

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027091.D
 Acq On : 23 Sep 2018 22:38
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 135 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:40 PM

Quant Time: Sep 24 09:07:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	144158	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77077	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86772	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	4.88	113	61646	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	7.57	98	240919	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	10.31	95	87473	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52506	47.938	ug/l	99
3) Chloromethane	1.33	50	88118	46.663	ug/l	100
4) Vinyl Chloride	1.40	62	85456	48.479	ug/l	99
5) Bromomethane	1.62	94	44659	44.489	ug/l	100
6) Chloroethane	1.69	64	55644	49.405	ug/l	98
7) Trichlorofluoromethane	1.88	101	97717	48.809	ug/l	98
8) Diethyl Ether	2.10	74	47939	49.747	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	59082	47.995	ug/l	99
10) Methyl Iodide	2.41	142	60119	39.378	ug/l	99
11) Tert butyl alcohol	2.83	59	92762	239.696	ug/l	99
12) 1,1-Dichloroethene	2.28	96	56040	48.367	ug/l	96
13) Acrolein	2.20	56	50626	242.673	ug/l	98
14) Allyl chloride	2.59	41	129242	54.996	ug/l	98
15) Acrylonitrile	2.94	53	257589	264.089	ug/l	100
16) Acetone	2.32	43	219201	244.007	ug/l	100
17) Carbon Disulfide	2.48	76	180824	47.907	ug/l	100
18) Methyl Acetate	2.61	43	131189	54.590	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	233349	54.806	ug/l	100
20) Methylene Chloride	2.70	84	72500	47.946	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	63536	51.361	ug/l	100
22) Diisopropyl ether	3.57	45	287770	57.251	ug/l	97
23) Vinyl Acetate	3.53	43	1234921	288.219	ug/l	98
24) 1,1-Dichloroethane	3.45	63	144291	52.121	ug/l	99
25) 2-Butanone	4.26	43	366189	258.074	ug/l	99
26) 2,2-Dichloropropane	4.23	77	97314	45.074	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	72564	51.942	ug/l	98
28) Bromochloromethane	4.55	49	80888	60.614	ug/l	95
29) Tetrahydrofuran	4.64	42	237877	277.130	ug/l	97
30) Chloroform	4.67	83	129995	50.587	ug/l	98
31) Cyclohexane	5.00	56	133547	53.104	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	106265	51.793	ug/l	99
36) 1,1-Dichloropropene	5.14	75	96918	50.374	ug/l	99
37) Ethyl Acetate	4.38	43	138264	53.086	ug/l	99
38) Carbon Tetrachloride	5.14	117	89592	48.933	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	114461	54.745	ug/l	97
40) Benzene	5.39	78	294330	50.323	ug/l	100
41) Methacrylonitrile	4.54	41	77637	57.396	ug/l	98
42) 1,2-Dichloroethane	5.40	62	113821	51.508	ug/l	99
43) Isopropyl Acetate	5.55	43	210874	55.517	ug/l	99
44) Trichloroethene	6.19	130	61100	49.070	ug/l	96
45) 1,2-Dichloropropane	6.43	63	87935	52.766	ug/l	99
46) Dibromomethane	6.56	93	49688	49.367	ug/l	99
47) Bromodichloromethane	6.76	83	103537	50.874	ug/l	97
48) Methyl methacrylate	6.62	41	106493	51.481	ug/l	99
49) 1,4-Dioxane	6.61	88	35111	854.918	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	714987	279.878	ug/l	100
52) Toluene	7.64	92	178370	53.205	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	119156	54.493	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	127944	53.216	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	71926	50.633	ug/l	99
56) Ethyl methacrylate	8.02	69	123701	50.179	ug/l	96
57) 1,3-Dichloropropane	8.24	76	137400	52.004	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	354717	253.514	ug/l	99
59) 2-Hexanone	8.36	43	542399	271.238	ug/l	99
60) Dibromochloromethane	8.48	129	72899	52.317	ug/l	99
61) 1,2-Dibromoethane	8.59	107	74468	50.383	ug/l	100
64) Tetrachloroethene	8.23	164	52751	48.407	ug/l	98
65) Chlorobenzene	9.12	112	180654	48.178	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	65246	50.518	ug/l	99
67) Ethyl Benzene	9.25	91	336493	54.572	ug/l	100
68) m/p-Xylenes	9.38	106	246961	98.914	ug/l	97
69) o-Xylene	9.78	106	119567	54.729	ug/l	97
70) Styrene	9.79	104	202424	49.637	ug/l	99
71) Bromoform	9.96	173	52794	52.860	ug/l #	99
73) Isopropylbenzene	10.17	105	323834	55.232	ug/l	100
74) N-amyl acetate	10.01	43	194421	57.286	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	128727	47.752	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	110509m	47.194	ug/l	
77) Bromobenzene	10.45	156	72176	50.375	ug/l	93
78) n-propylbenzene	10.59	91	397950	57.362	ug/l	99
79) 2-Chlorotoluene	10.66	91	233303	53.539	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	272403	56.283	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	36097m	49.333	ug/l	
82) 4-Chlorotoluene	10.77	91	268231	54.896	ug/l	99
83) tert-Butylbenzene	11.10	119	258840	54.094	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	279892	56.825	ug/l	99
85) sec-Butylbenzene	11.32	105	329217	56.363	ug/l	99
86) p-Isopropyltoluene	11.48	119	280596	51.173	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	136875	51.337	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	137580	47.346	ug/l	99
89) n-Butylbenzene	11.89	91	265688	50.006	ug/l	99
90) Hexachloroethane	12.15	117	52644	49.562	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	136870	48.327	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29104	52.922	ug/l	96

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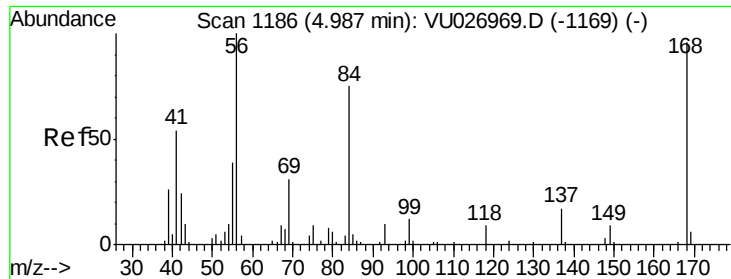
Manual Integrations
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MMDadoda
9/24/2018 4:40:40 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	90163	55.244	ug/l	100
94) Hexachlorobutadiene	13.69	225	43348	50.197	ug/l	99
95) Naphthalene	13.74	128	325259	50.938	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	93551	53.450	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 83890

Ion Ratio Lower Upper

168 100

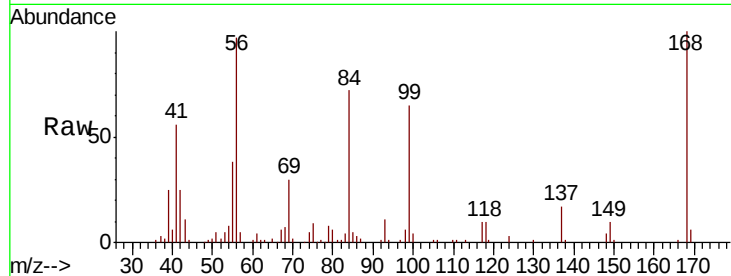
99 63.8 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.98

40000

30000

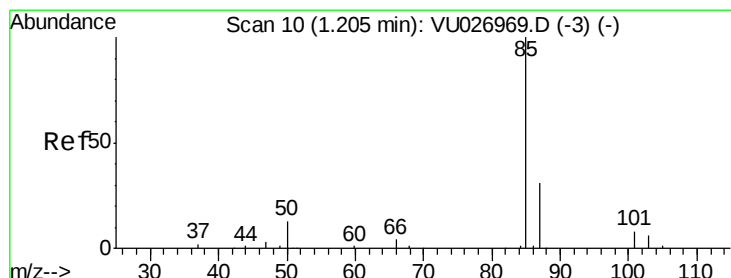
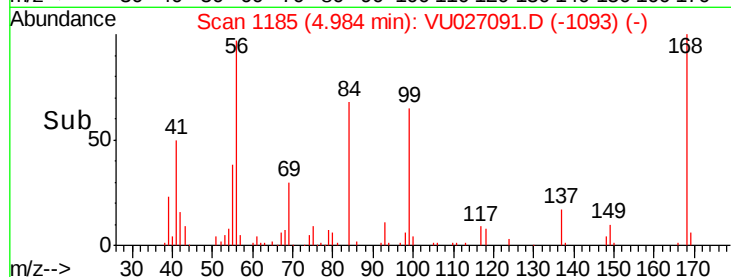
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.938 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027091.D

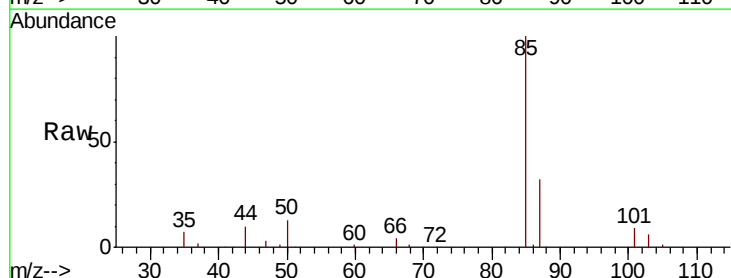
Acq: 23 Sep 2018 22:38

Tgt Ion: 85 Resp: 52506

Ion Ratio Lower Upper

85 100

87 31.6 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

60000

50000

40000

30000

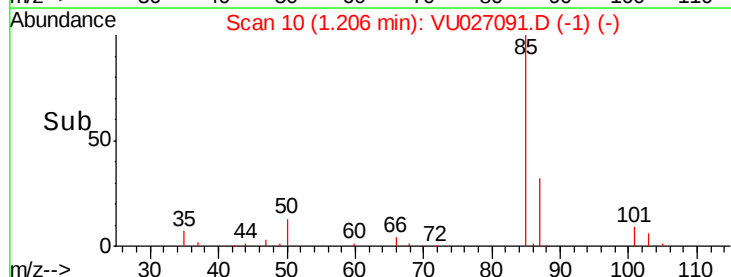
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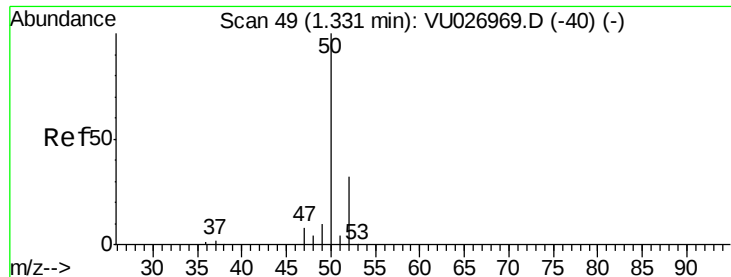
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.663 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 88118

Ion Ratio Lower Upper

50 100

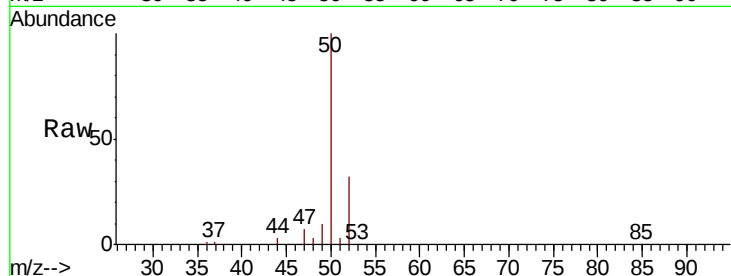
52 32.4 25.9 38.9

Manual Integrations

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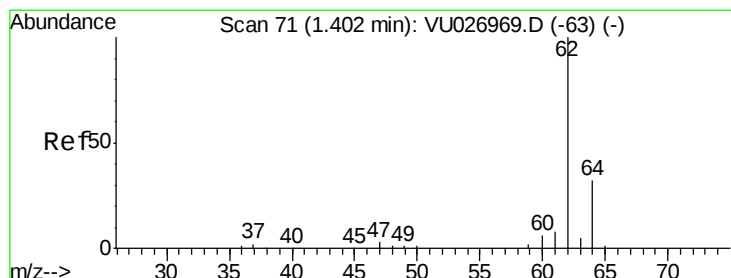
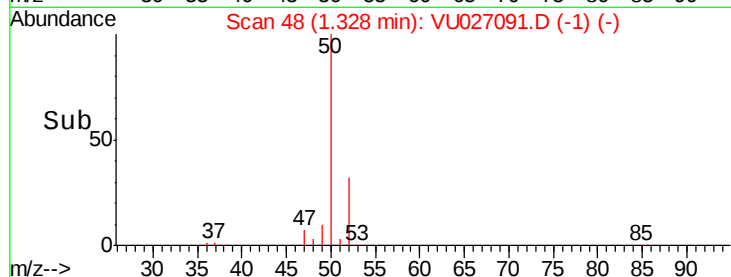
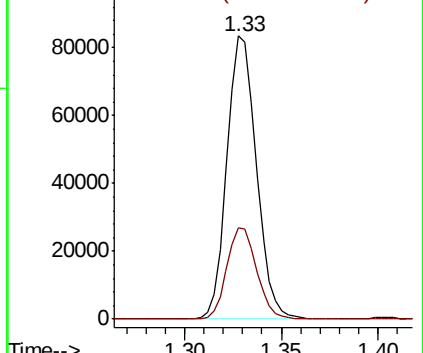
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 48.479 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027091.D

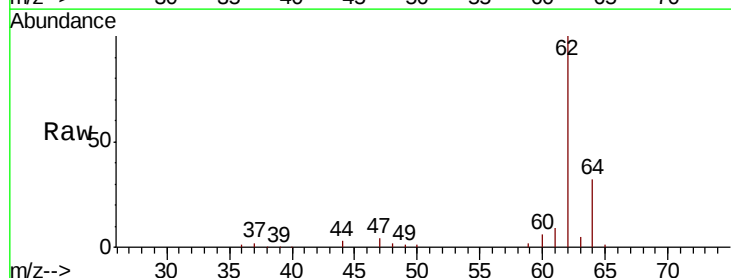
Acq: 23 Sep 2018 22:38

Tgt Ion: 62 Resp: 85456

Ion Ratio Lower Upper

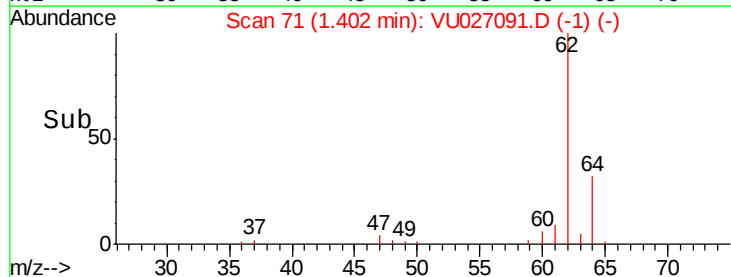
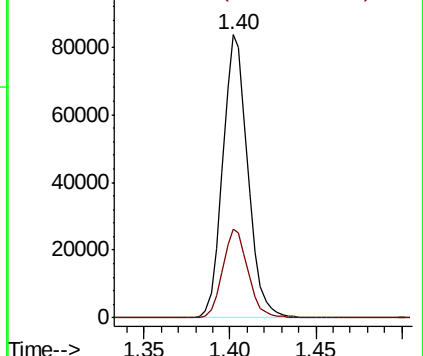
62 100

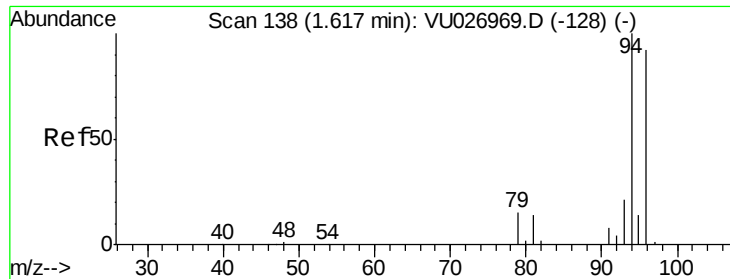
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 44.489 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44659

Ion Ratio Lower Upper

94 100

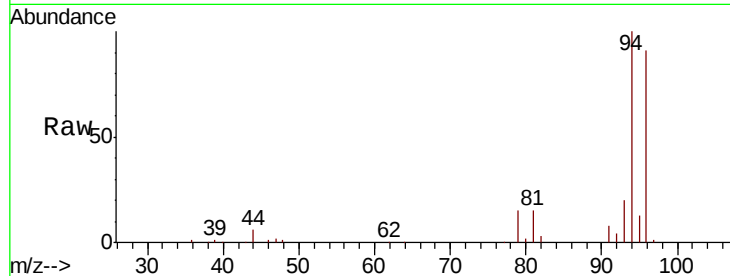
96 91.1 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026969.D (-128) (-)

1.62

40000

30000

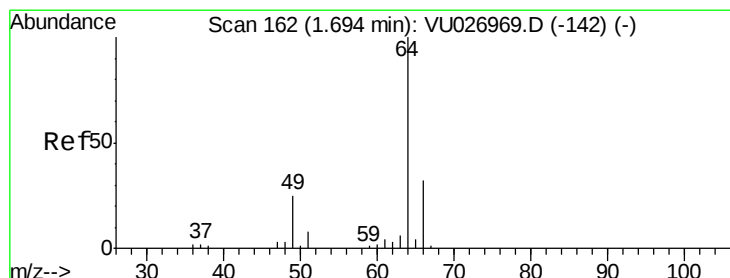
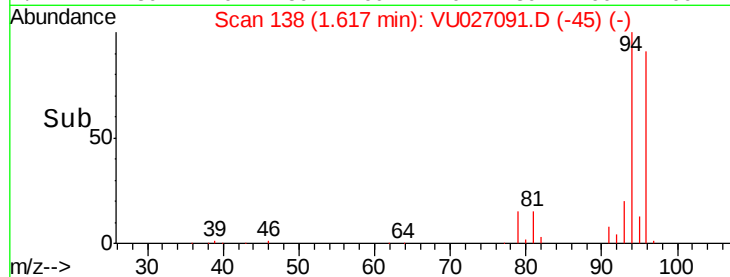
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10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 49.405 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027091.D

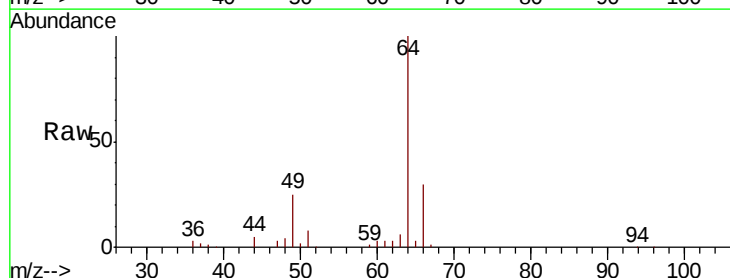
Acq: 23 Sep 2018 22:38

Tgt Ion: 64 Resp: 55644

Ion Ratio Lower Upper

64 100

66 30.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.69

50000

40000

30000

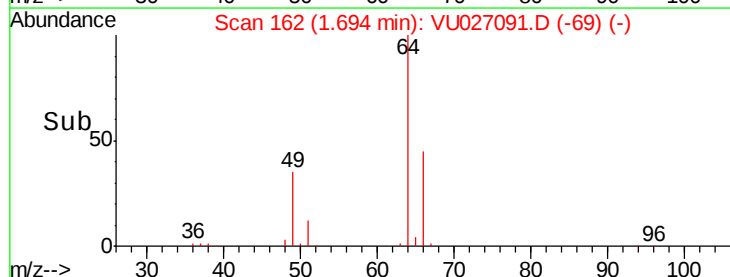
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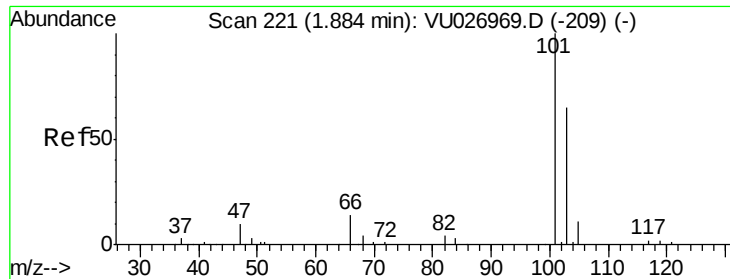
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0

1.65 1.70 1.75

Time-->





#7

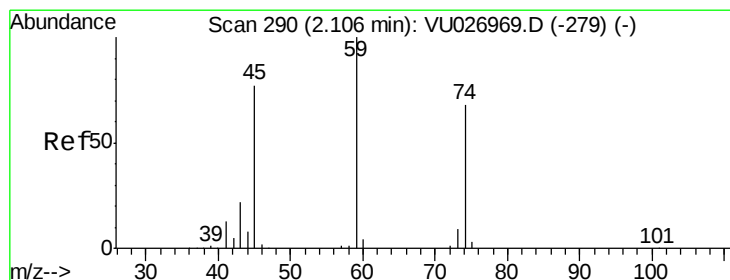
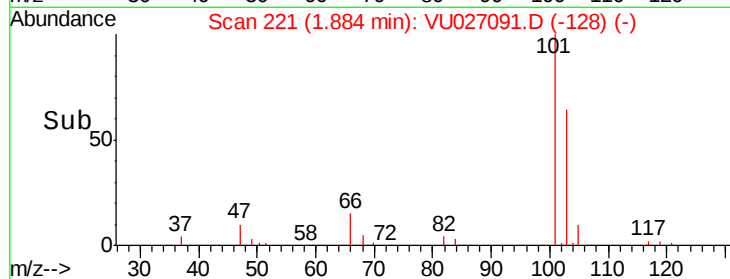
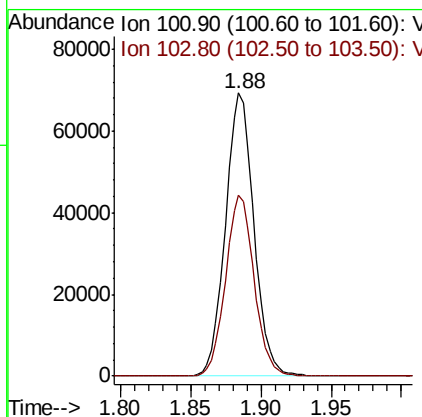
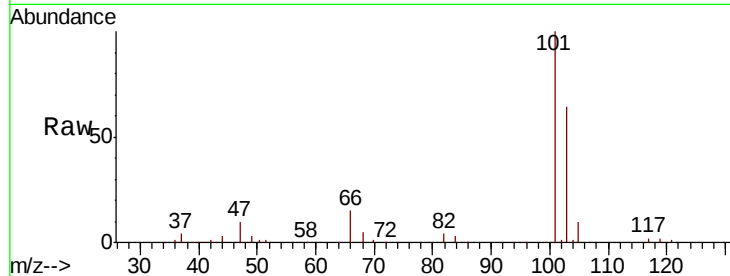
Trichlorofluoromethane
 Concen: 48.809 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.2	78.2

Manual Integrations
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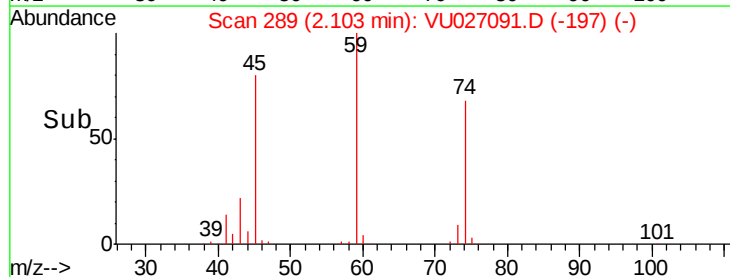
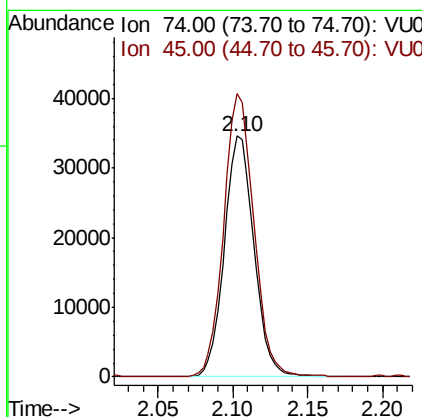
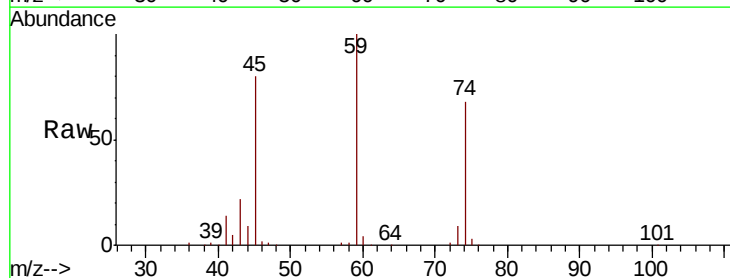
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 9/24/2018 4:40:40 PM

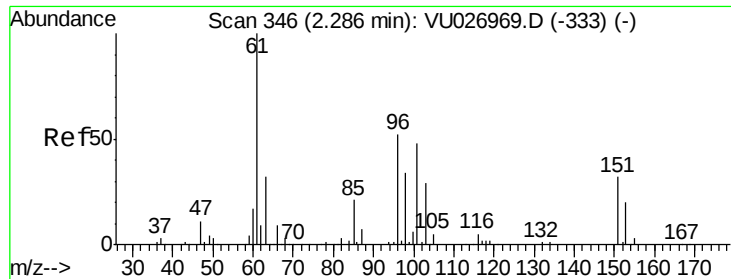


#8

Diethyl Ether
 Concen: 49.747 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.7	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.995 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

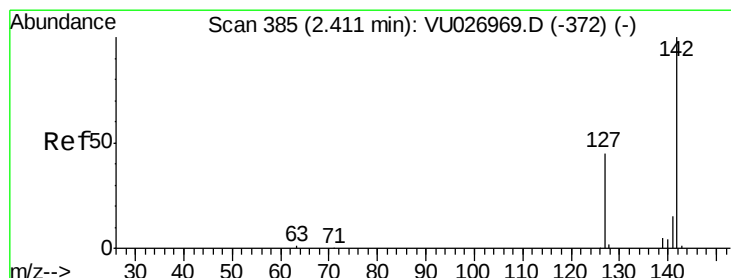
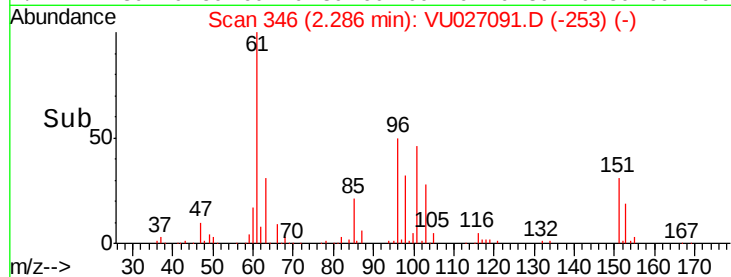
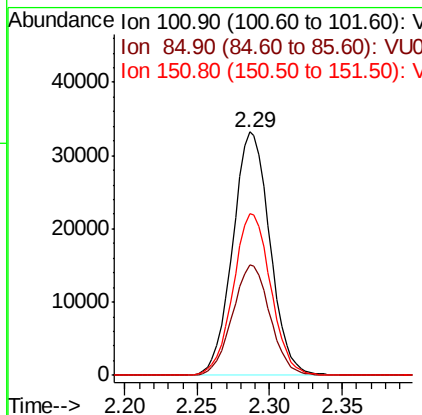
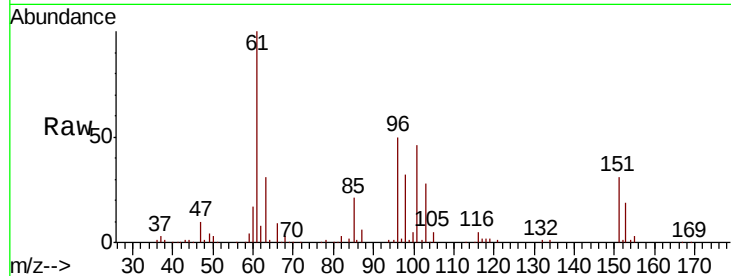
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	59082
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.2	54.2
151	67.2	54.5	81.7

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 39.378 ug/l

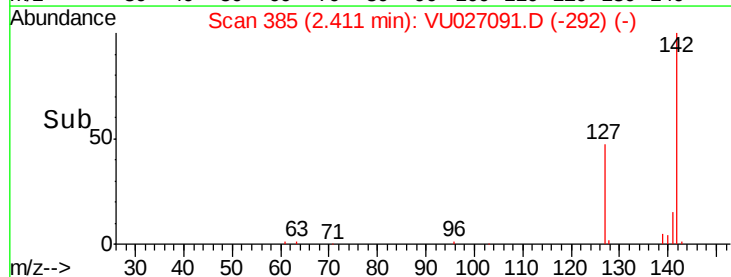
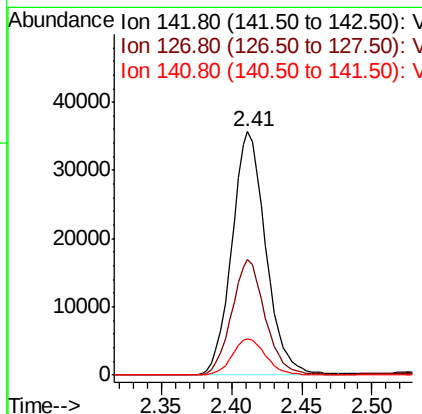
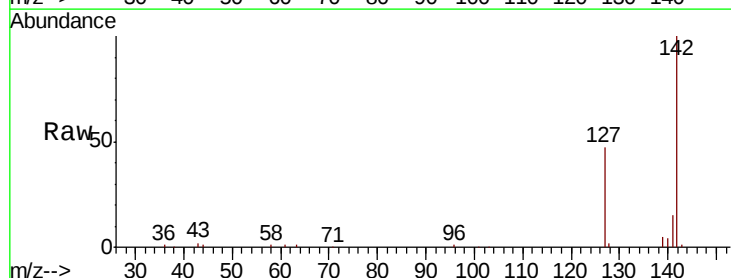
RT: 2.41 min Scan# 385

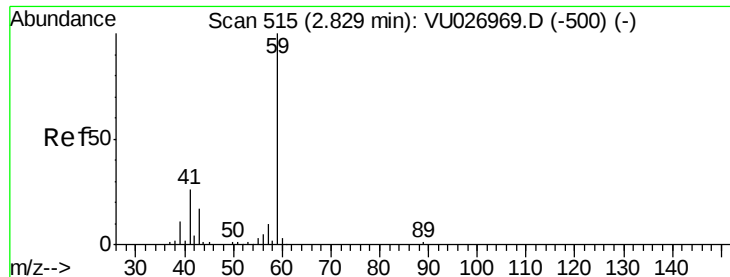
Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Tgt Ion:	142	Resp:	60119
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.7	55.1
141	14.8	11.8	17.6





#11

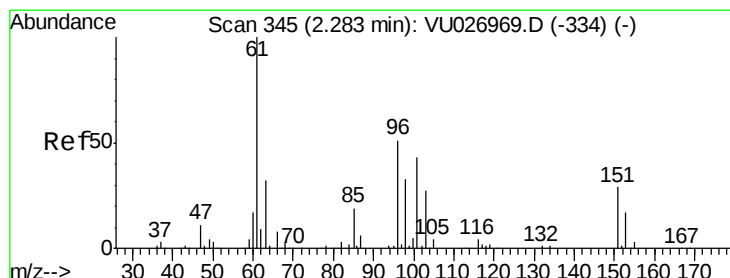
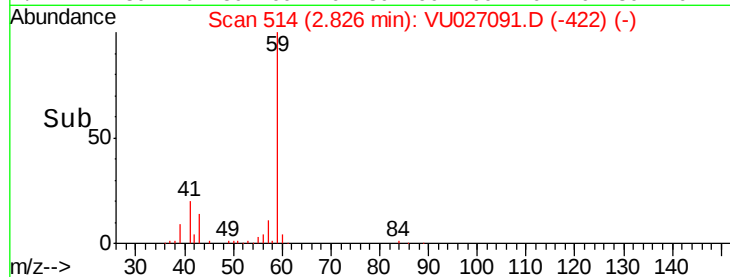
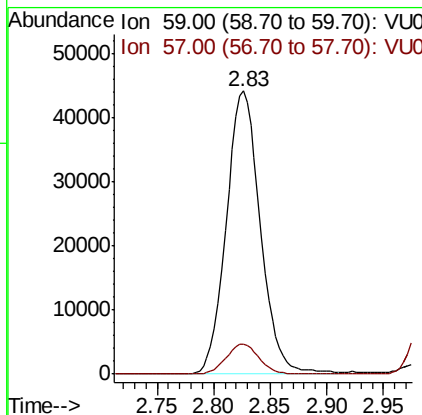
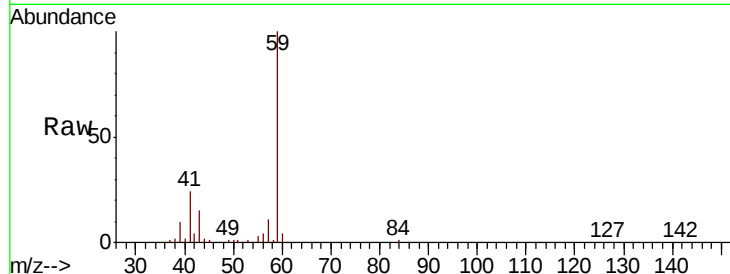
Tert butyl alcohol
 Concen: 239.696 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.4	8.5	12.7

Manual Integrations
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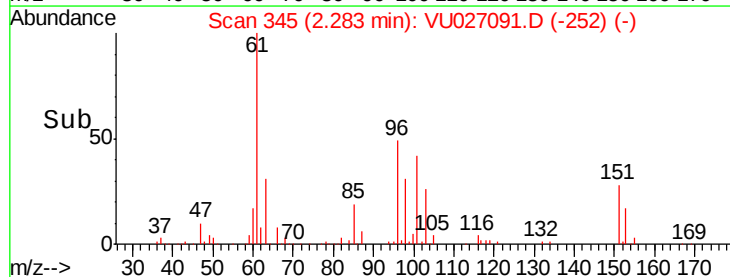
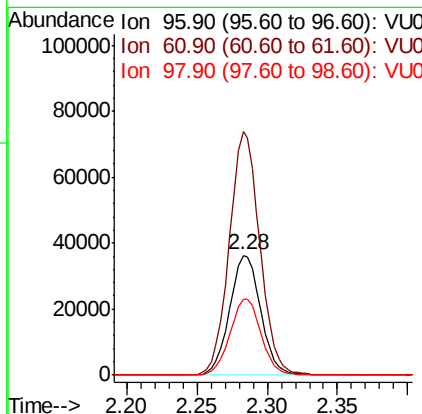
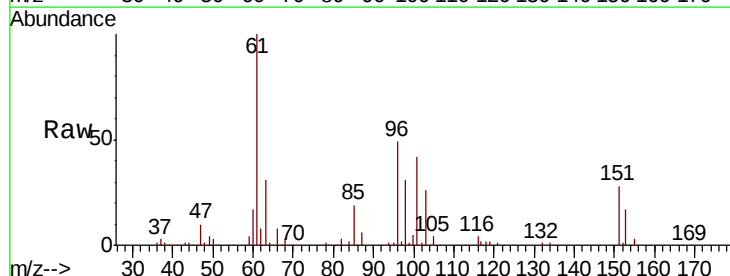
MMDadoda
 9/24/2018 4:40:40 PM

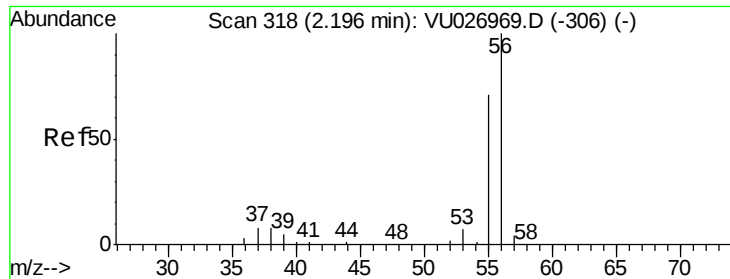


#12

1,1-Dichloroethene
 Concen: 48.367 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	202.8	156.1	234.1
98	98	63.6	51.4	77.0





#13

Acrolein

Concen: 242.673 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 50626

Ion Ratio Lower Upper

56 100

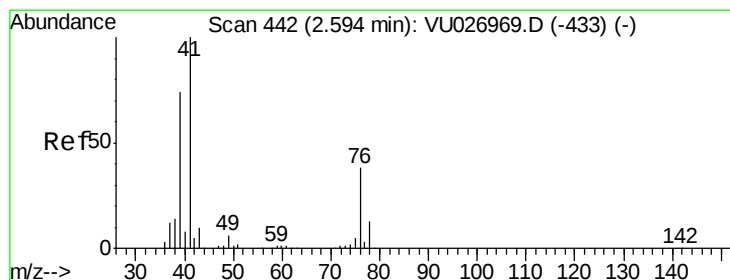
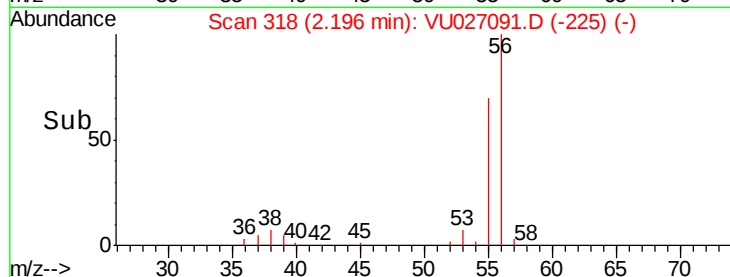
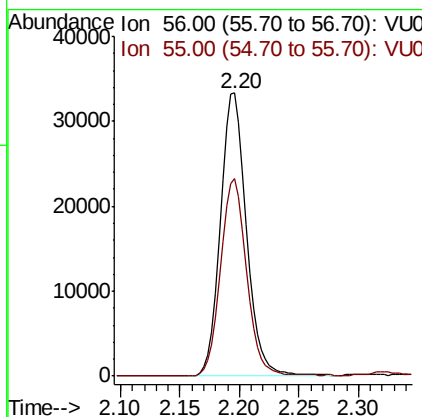
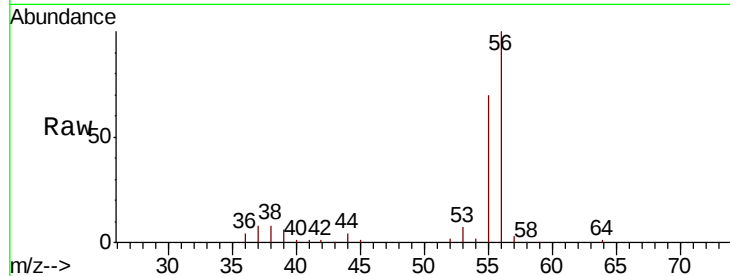
55 69.5 57.1 85.7

Manual Integrations

APPROVED

MMDadoda

9/24/2018 4:40:40 PM



#14

Allyl chloride

Concen: 54.996 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

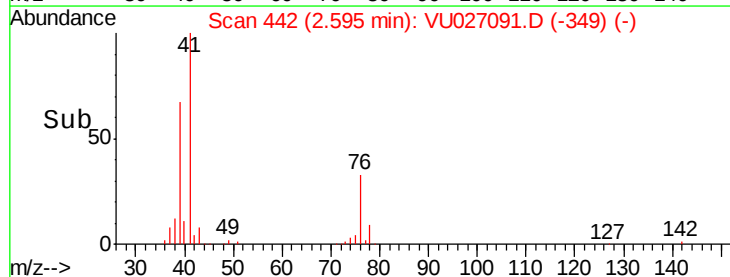
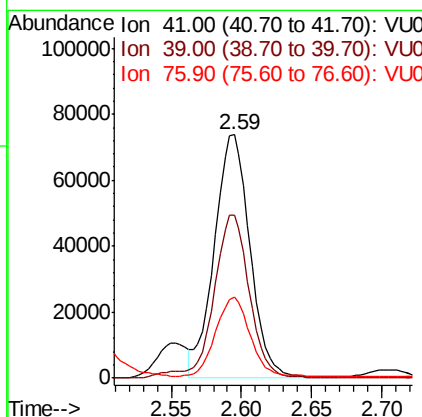
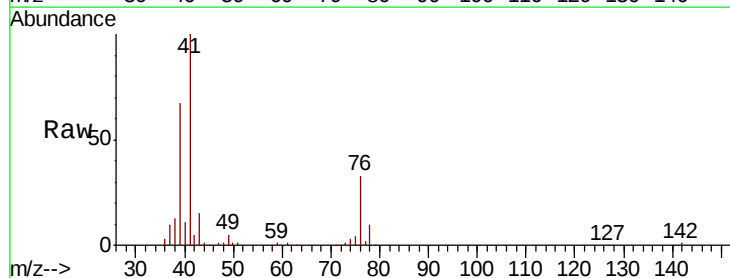
Tgt Ion: 41 Resp: 129242

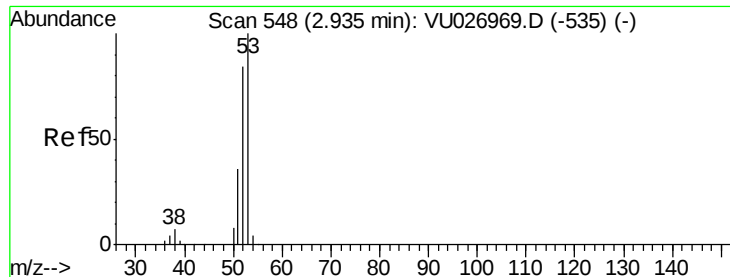
Ion Ratio Lower Upper

41 100

39 67.6 55.7 83.5

76 32.7 26.5 39.7





#15

Acrylonitrile

Concen: 264.089 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

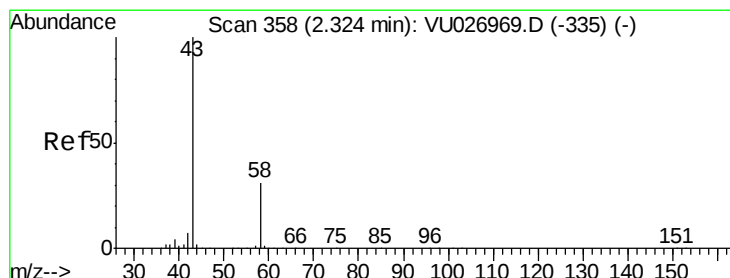
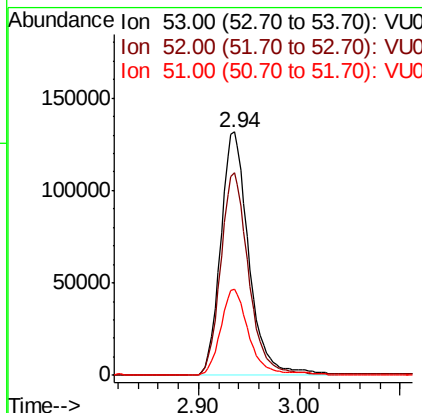
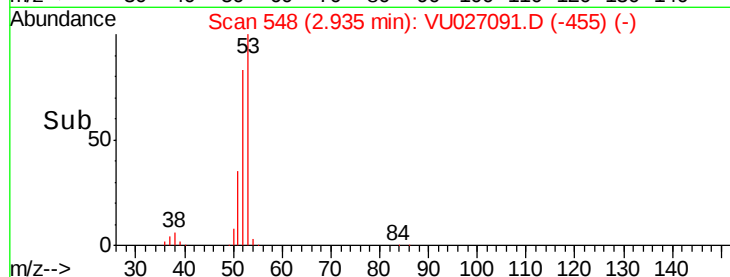
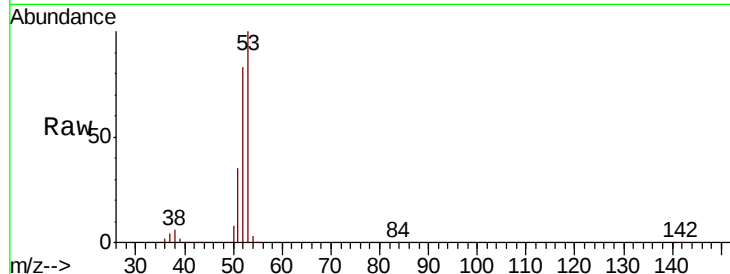
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	257589
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.7	98.5
51	34.6	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 244.007 ug/l

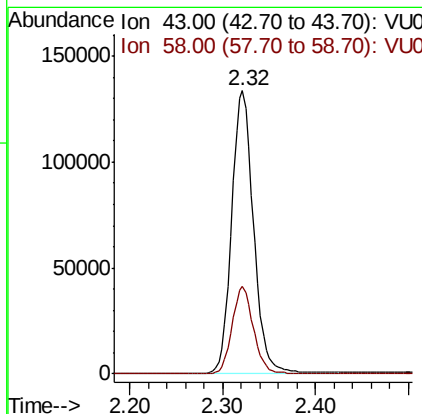
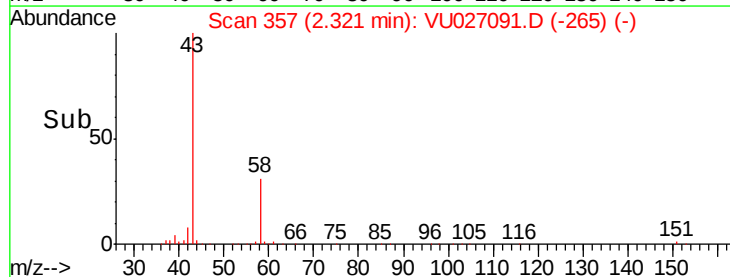
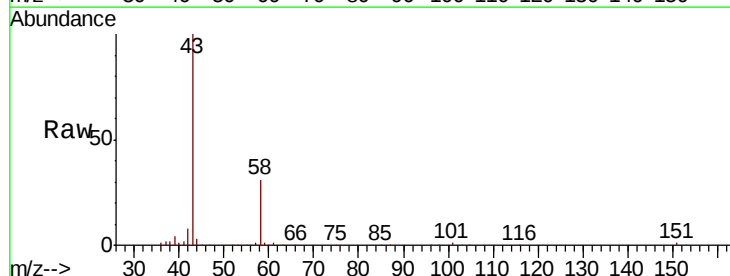
RT: 2.32 min Scan# 357

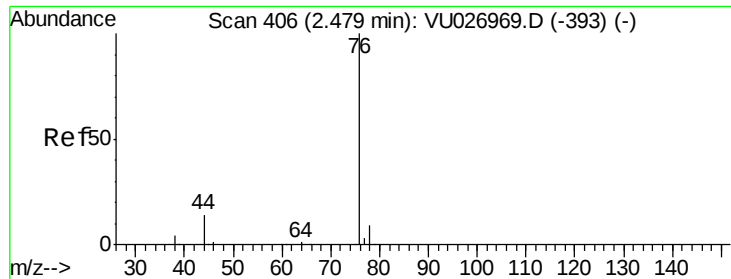
Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Tgt Ion:	43	Resp:	219201
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.6	36.8





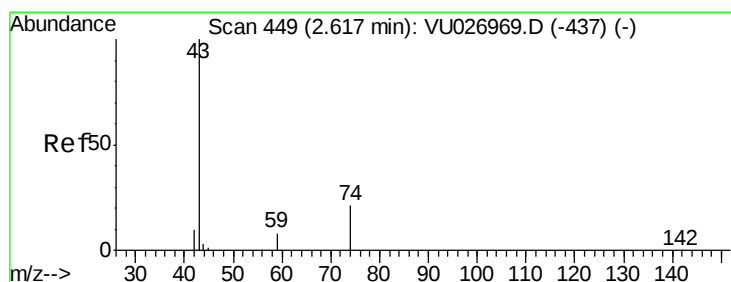
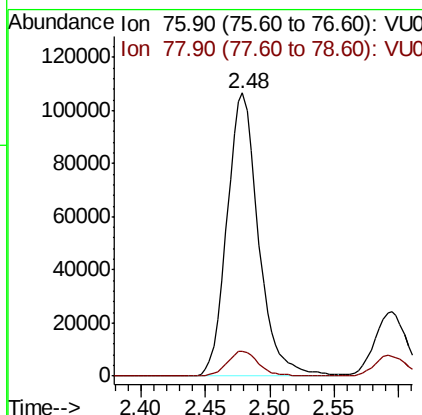
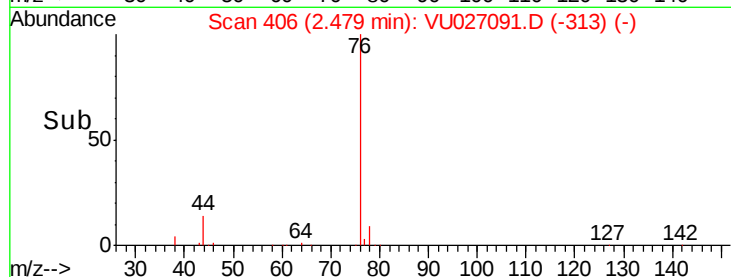
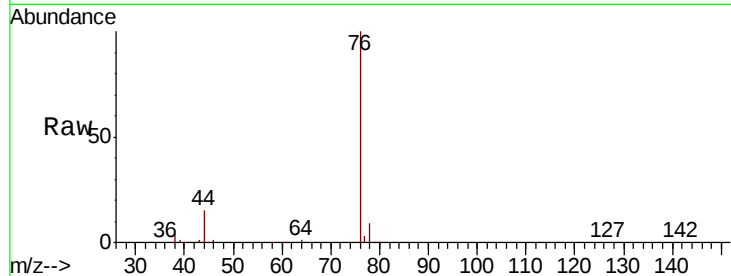
#17
Carbon Disulfide
Concen: 47.907 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

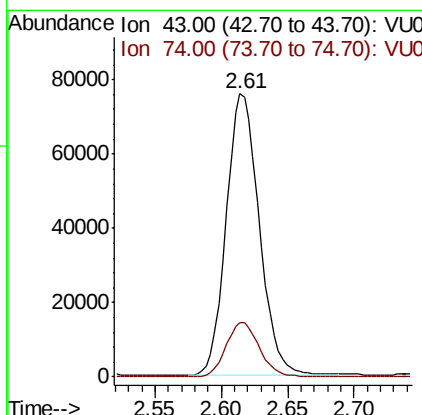
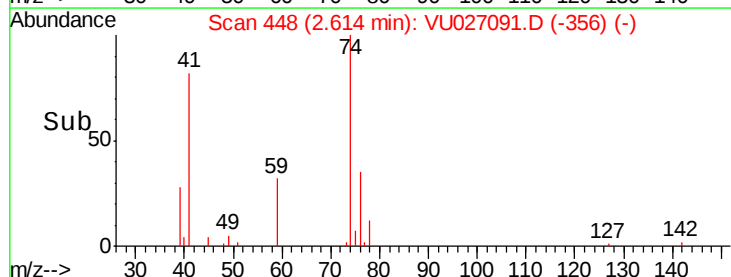
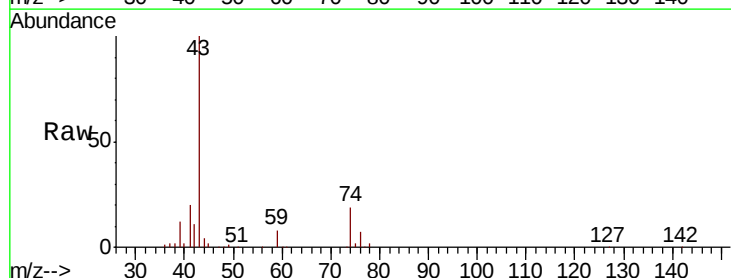
Manual Integrations
APPROVED

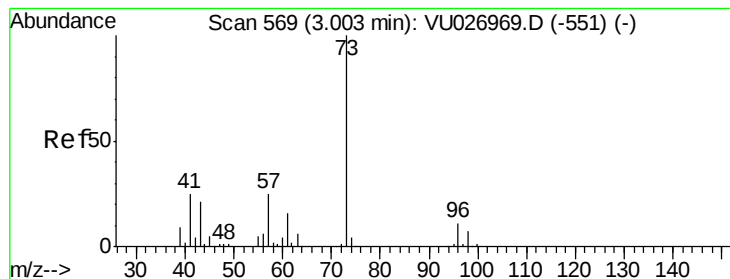
MMDadoda
9/24/2018 4:40:40 PM



#18
Methyl Acetate
Concen: 54.590 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	16.6	25.0





#19

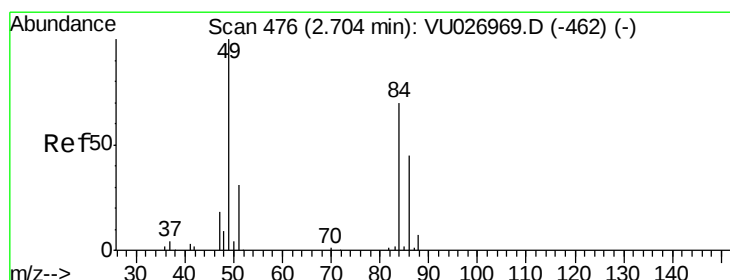
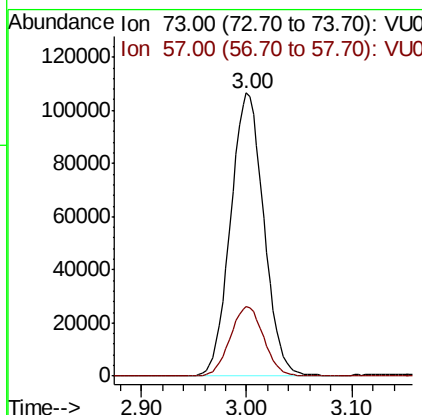
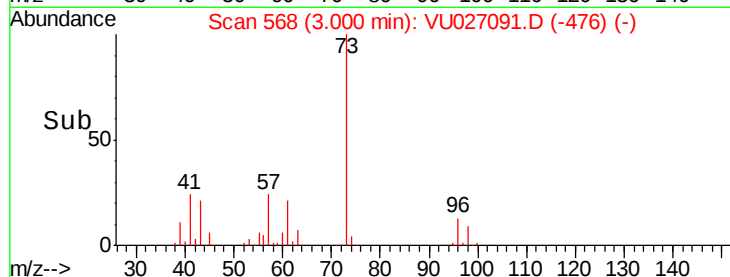
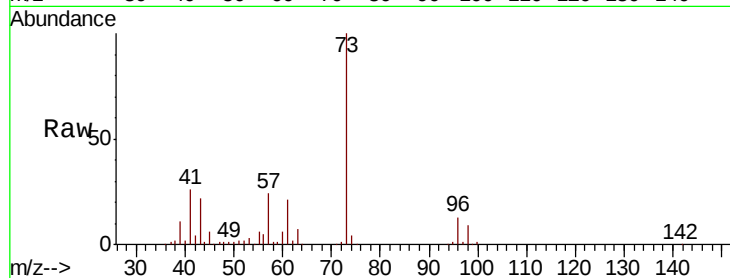
Methyl tert-butyl Ether
 Concen: 54.806 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.8	29.6

Manual Integrations
 APPROVED

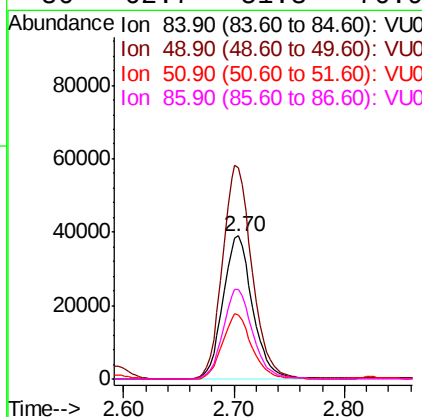
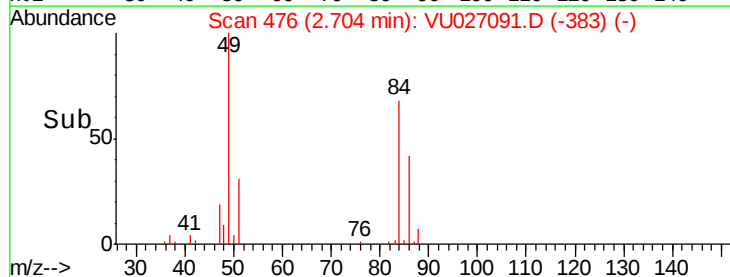
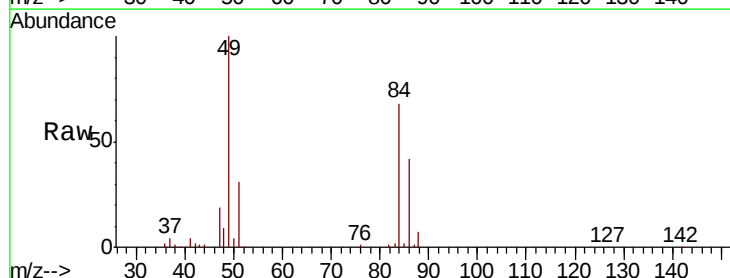
MMDadoda
 9/24/2018 4:40:40 PM

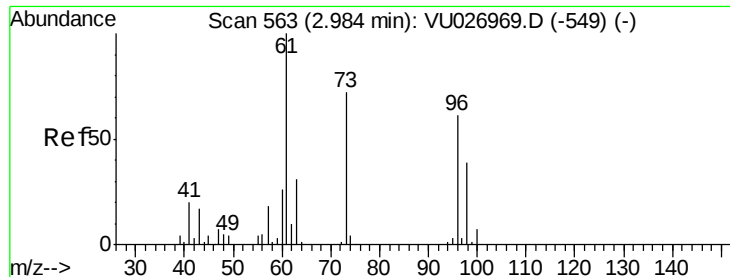


#20

Methylene Chloride
 Concen: 47.946 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.7	114.9	172.3
51	45.1	35.8	53.8
86	62.7	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 51.361 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 63536

Ion Ratio Lower Upper

96 100

61 164.9 131.8 197.6

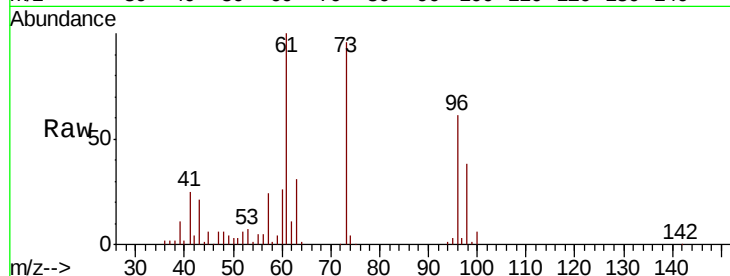
98 62.7 50.9 76.3

Manual Integrations

APPROVED

MMDadoda

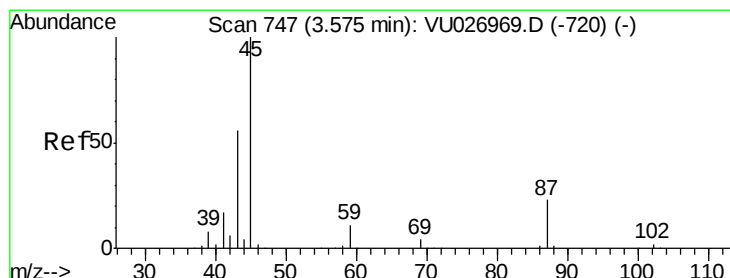
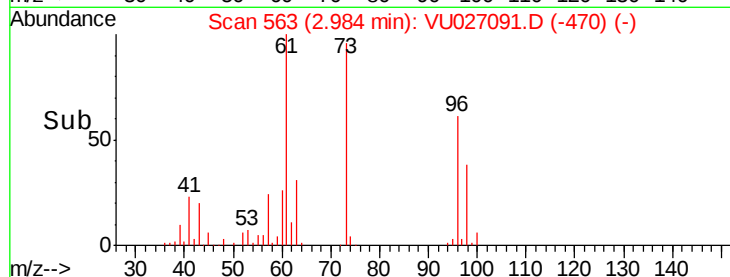
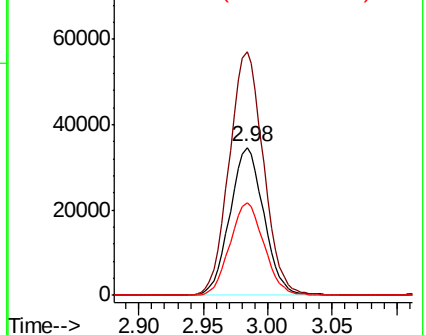
9/24/2018 4:40:40 PM



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-549) (-)



#22

Diisopropyl ether

Concen: 57.251 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Tgt Ion: 45 Resp: 287770

Ion Ratio Lower Upper

45 100

43 55.8 45.8 68.6

87 20.9 18.6 28.0

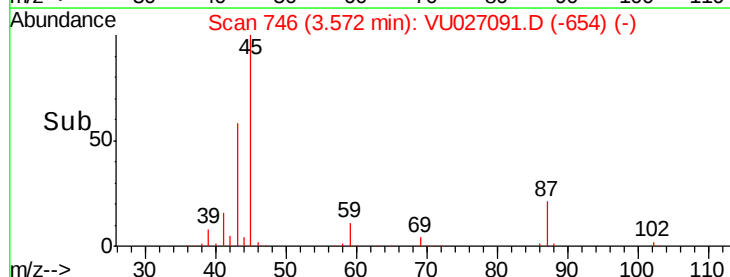
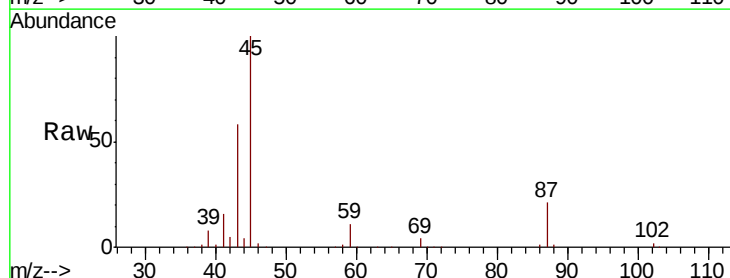
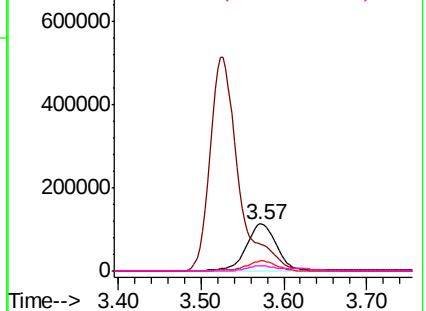
59 10.5 9.0 13.4

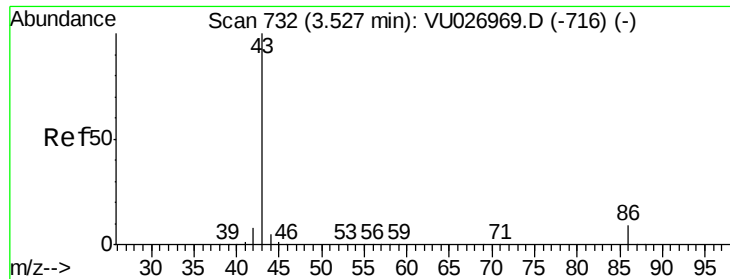
Abundance Ion 45.00 (44.70 to 45.70): VU026969.D (-720) (-)

Ion 43.00 (42.70 to 43.70): VU026969.D (-720) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-720) (-)

Ion 59.00 (58.70 to 59.70): VU026969.D (-720) (-)





#23

Vinyl Acetate

Concen: 288.219 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1234921

Ion Ratio Lower Upper

43 100

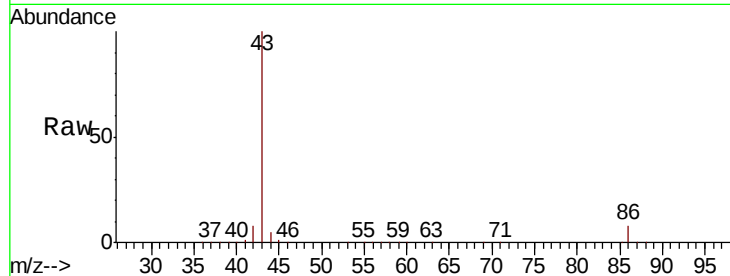
86 8.4 7.2 10.8

Manual Integrations

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MMDadoda

9/24/2018 4:40:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VU027091.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027091.D (-639) (-)

3.53

500000

400000

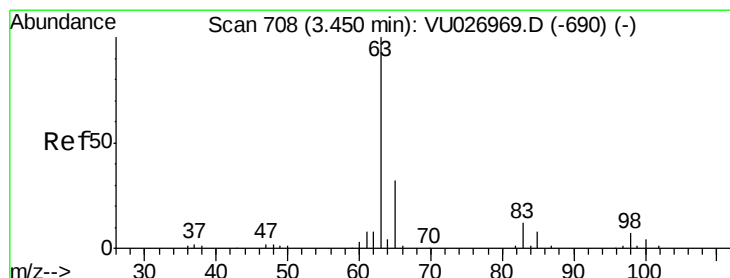
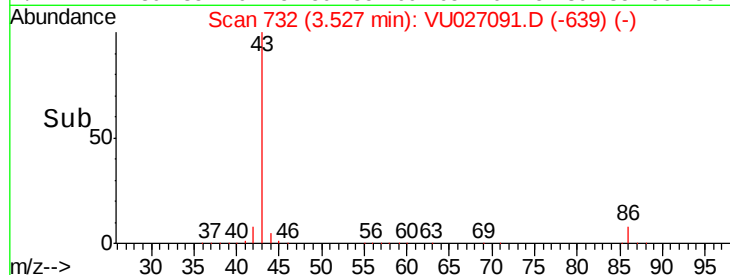
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.121 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

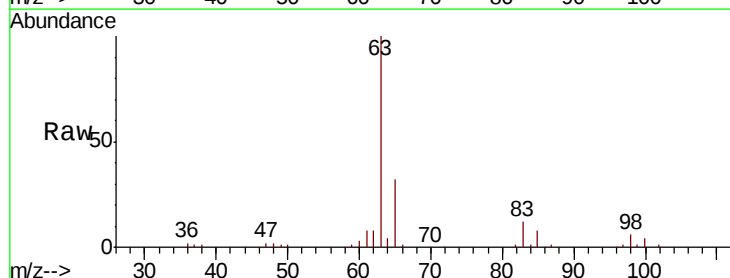
Tgt Ion: 63 Resp: 144291

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027091.D (-615) (-)

Ion 97.90 (97.60 to 98.60): VU027091.D (-615) (-)

Ion 99.90 (99.60 to 100.60): VU027091.D (-615) (-)

3.45

80000

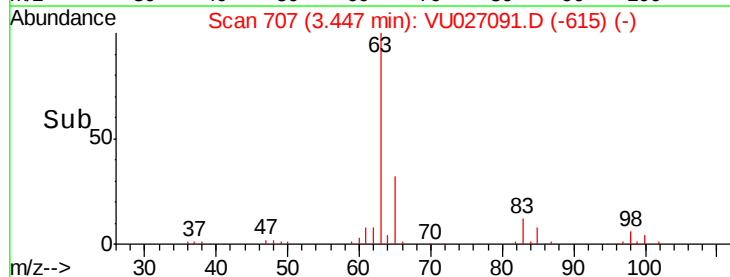
60000

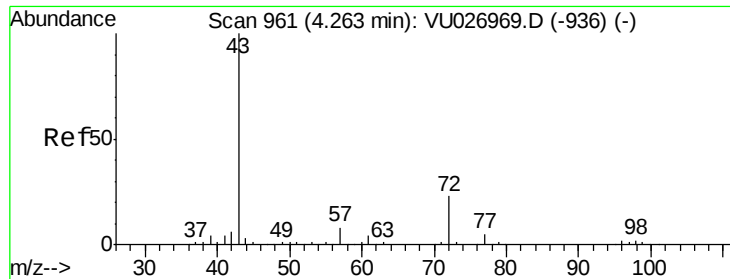
40000

20000

0

Time-->





#25

2-Butanone

Concen: 258.074 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 366189

Ion Ratio Lower Upper

43 100

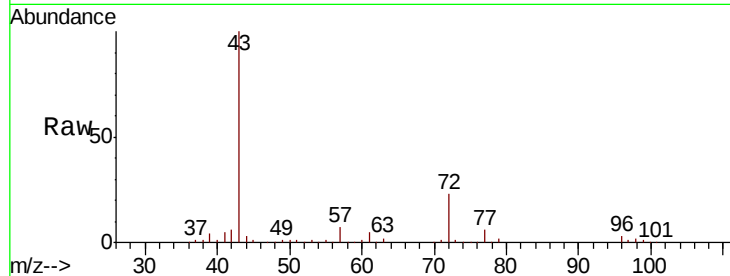
72 22.5 18.4 27.6

Manual Integrations

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9/24/2018 4:40:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-936) (-)

Ion 72.00 (71.70 to 72.70): VU026969.D (-936) (-)

4.26

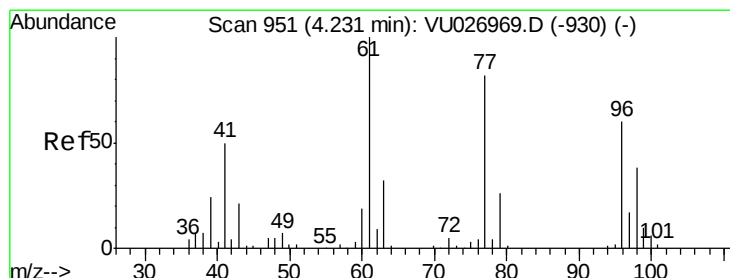
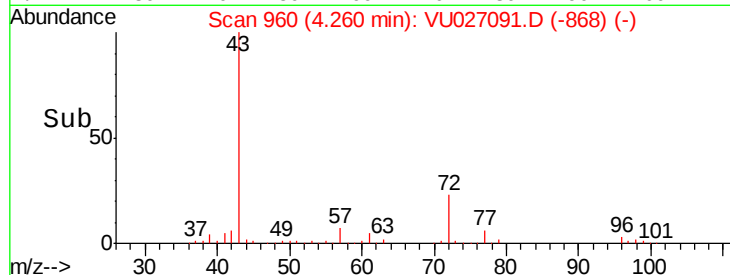
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.074 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027091.D

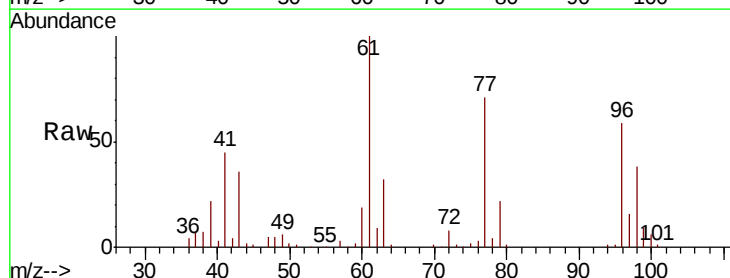
Acq: 23 Sep 2018 22:38

Tgt Ion: 77 Resp: 97314

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU026969.D (-930) (-)

Ion 96.90 (96.60 to 97.60): VU026969.D (-930) (-)

4.23

40000

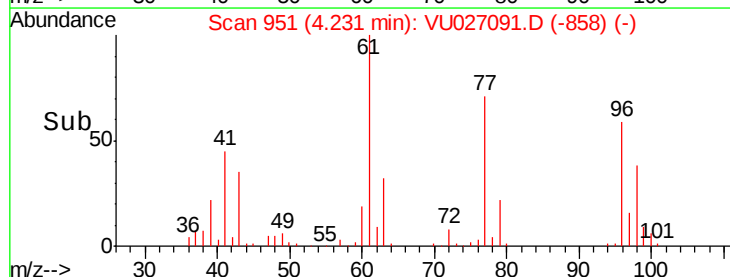
30000

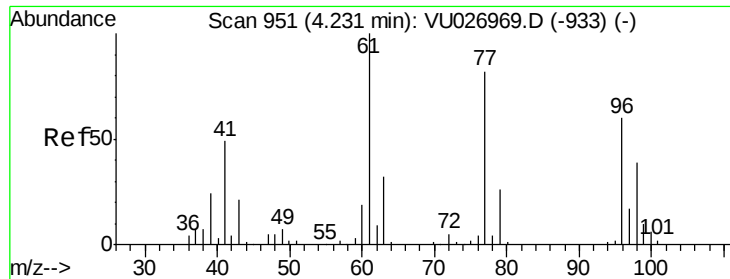
20000

10000

0

Time-->





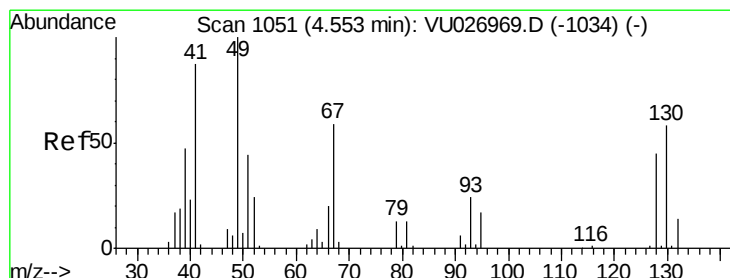
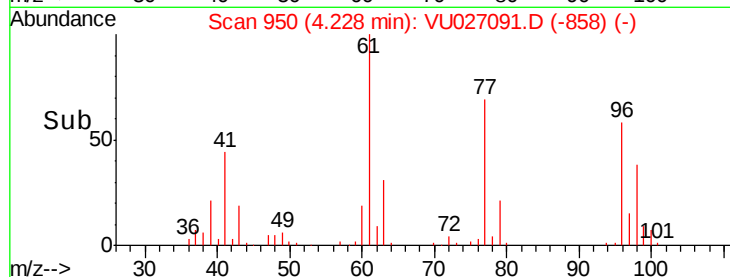
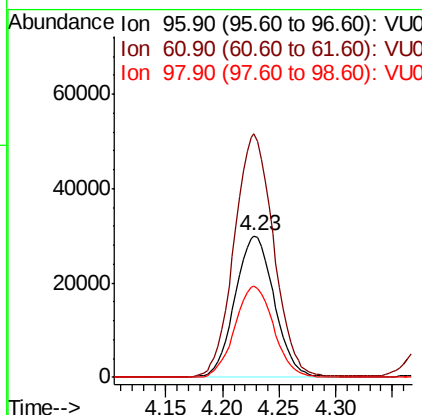
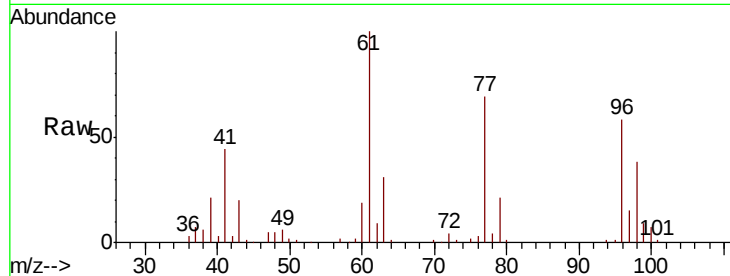
#27
 cis-1,2-Dichloroethene
 Concen: 51.942 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	172.7	0.0	337.2
98	63.7	0.0	127.6

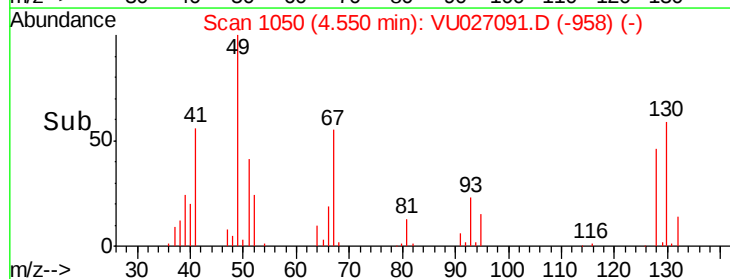
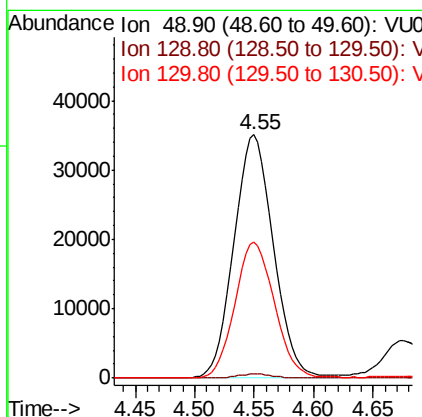
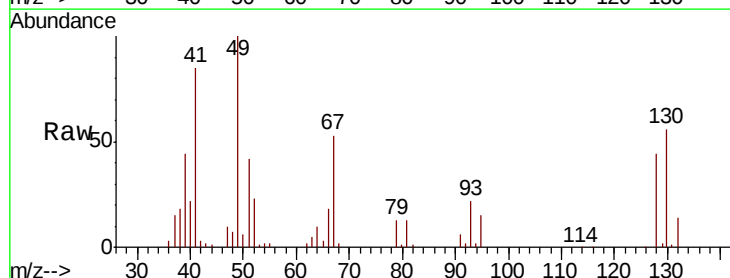
Manual Integrations
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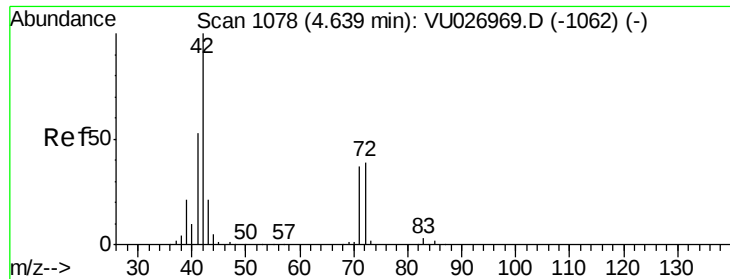
MMDadoda
 9/24/2018 4:40:40 PM



#28
 Bromochloromethane
 Concen: 60.614 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	55.9	47.8	71.8





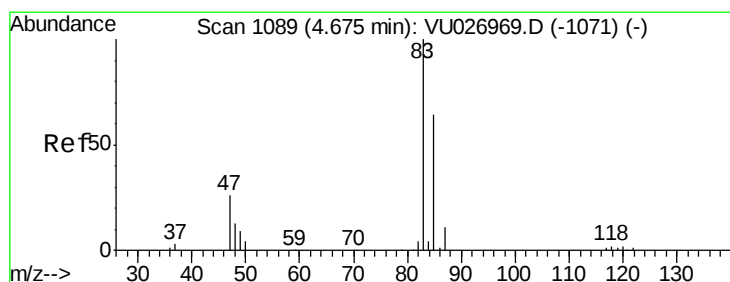
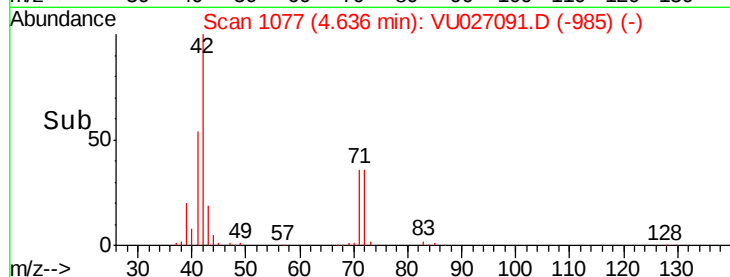
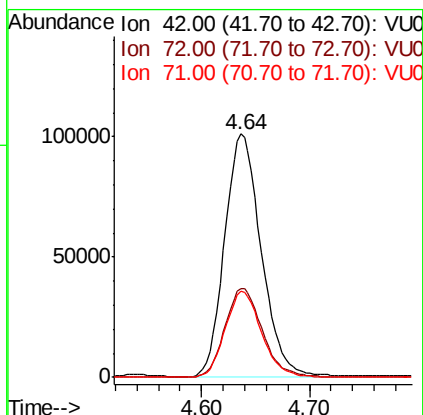
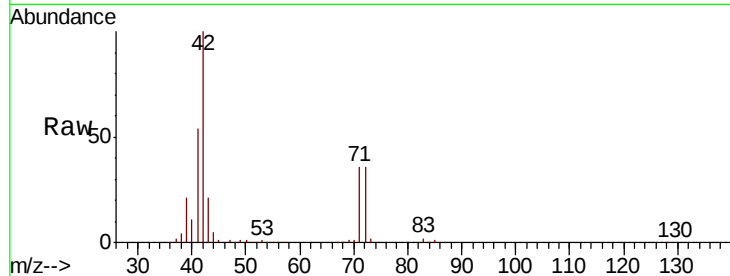
#29
Tetrahydrofuran
Concen: 277.130 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.7	47.5
71	35.4	29.6	44.4

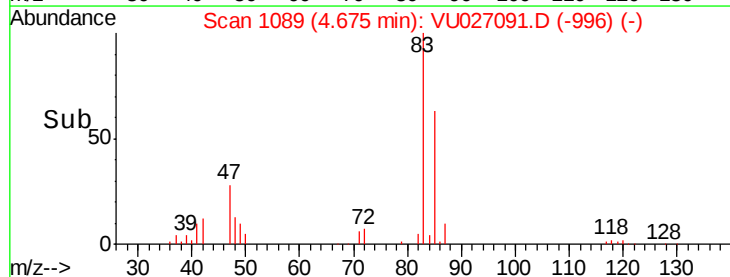
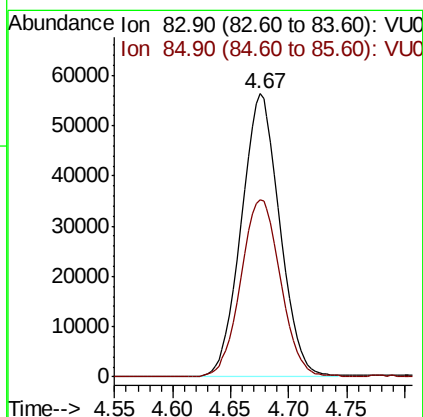
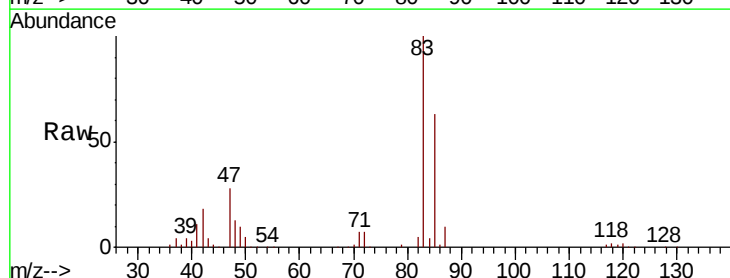
Manual Integrations
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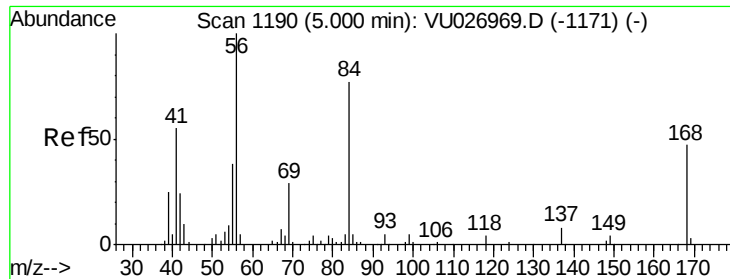
MMDadoda
9/24/2018 4:40:40 PM



#30
Chloroform
Concen: 50.587 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.5	77.3





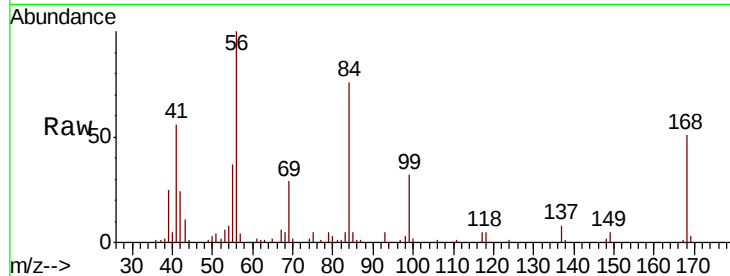
#31
Cyclohexane
Concen: 53.104 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

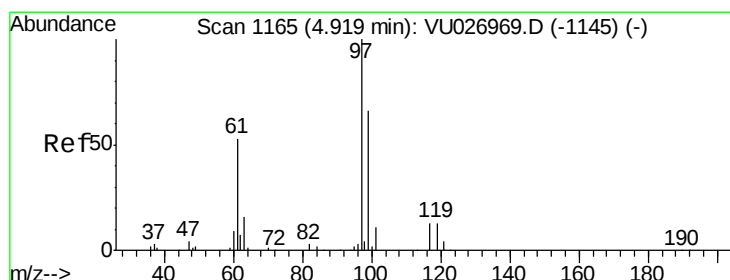
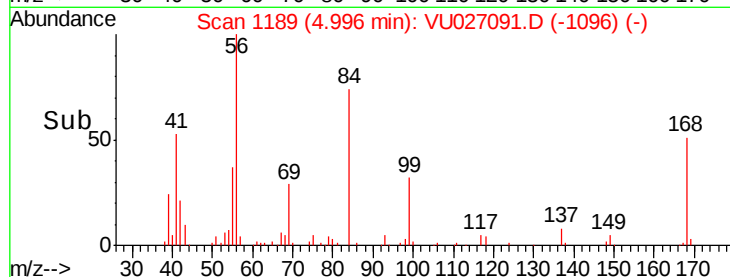
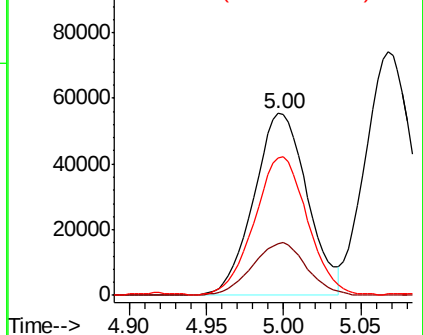
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.0	34.4
84	75.1	61.4	92.2

Manual Integrations
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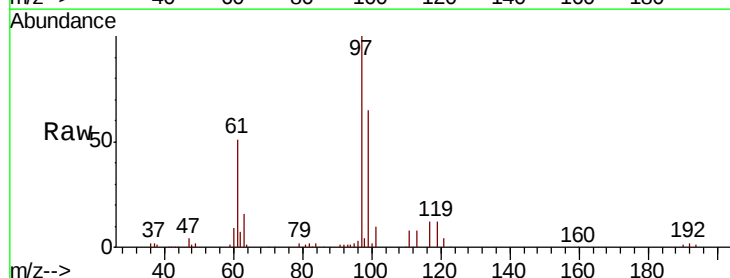


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

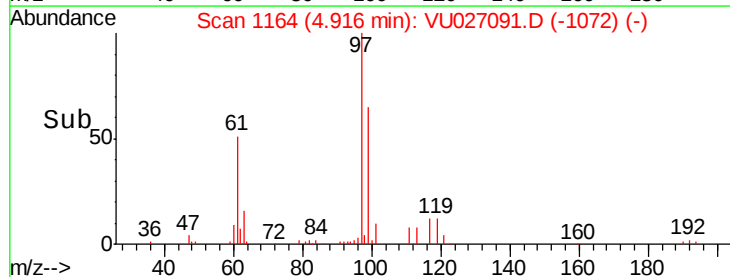
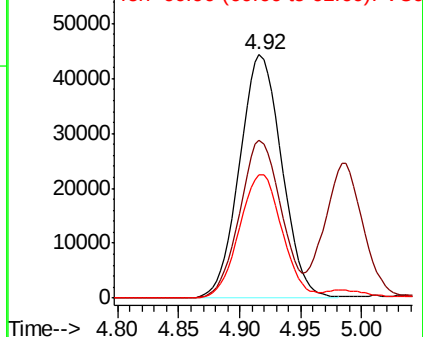


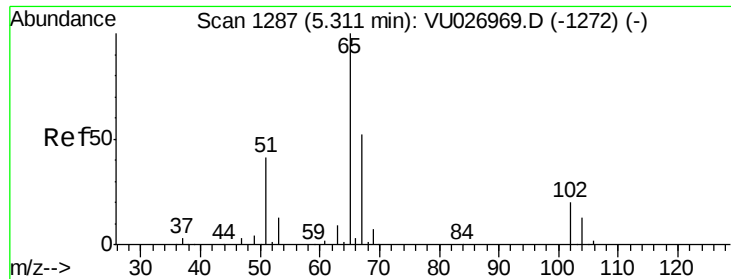
#32
1,1,1-Trichloroethane
Concen: 51.793 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.8	77.6
61	51.4	41.1	61.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





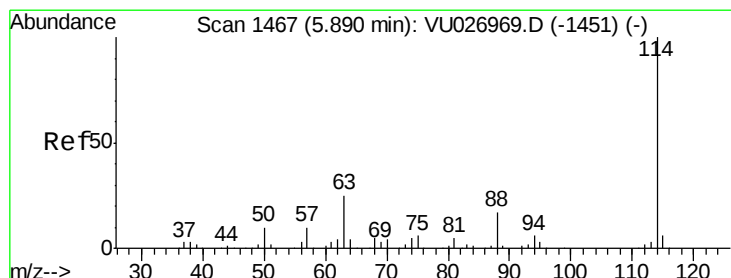
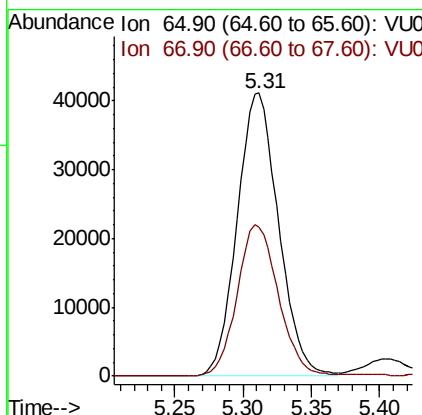
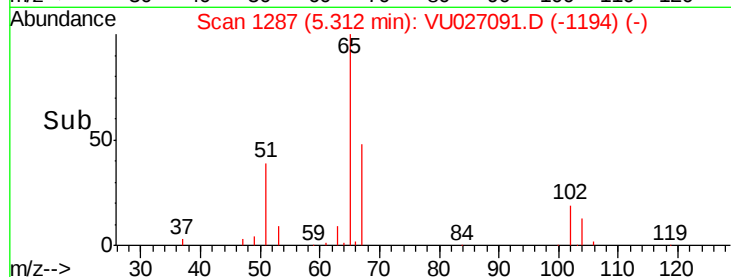
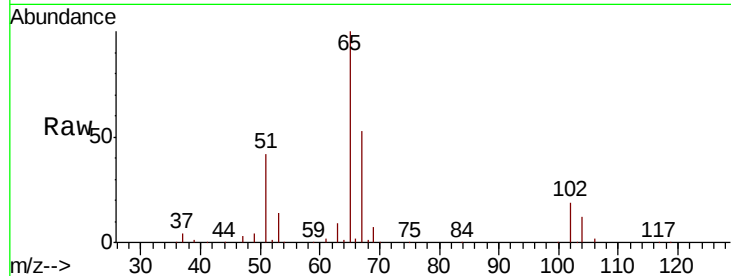
#33
 1,2-Dichloroethane-d4
 Concen: 51.392 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.6

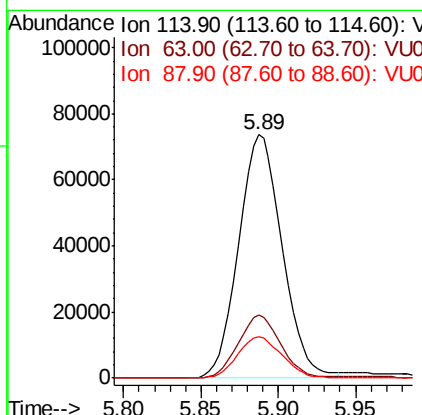
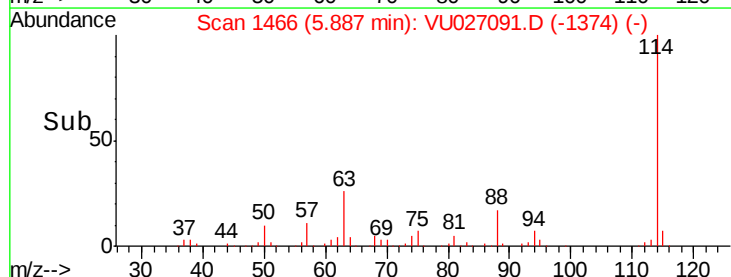
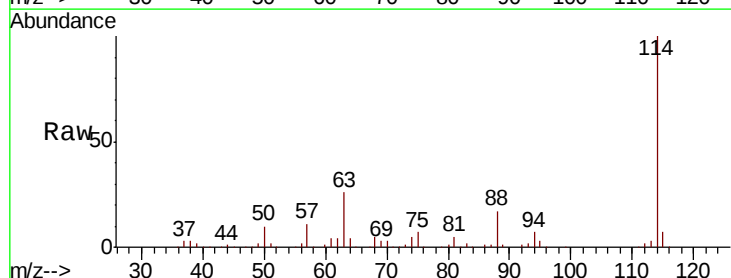
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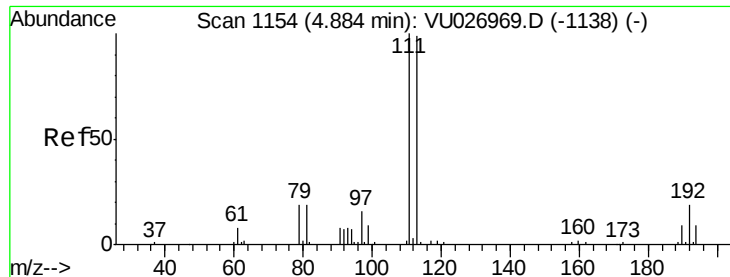
MMDadoda
 9/24/2018 4:40:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.0	0.0	49.2
88	16.9	0.0	33.8





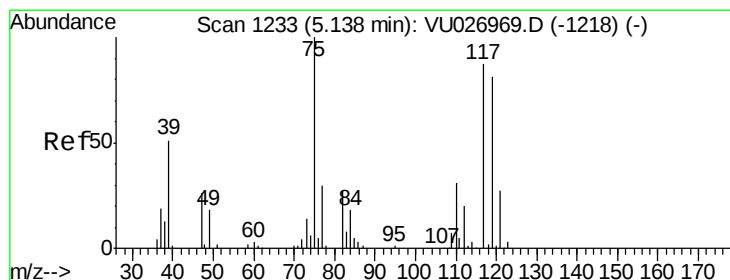
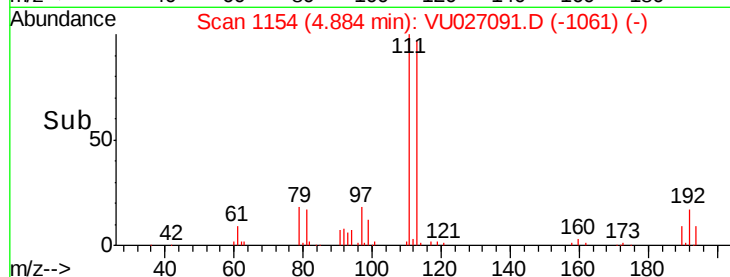
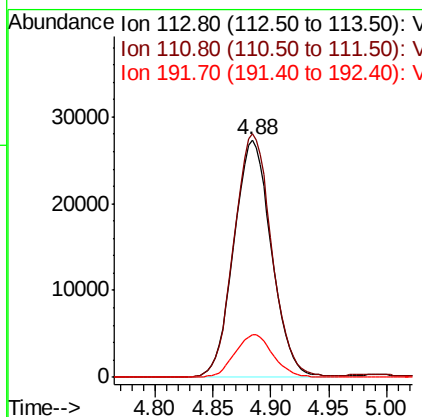
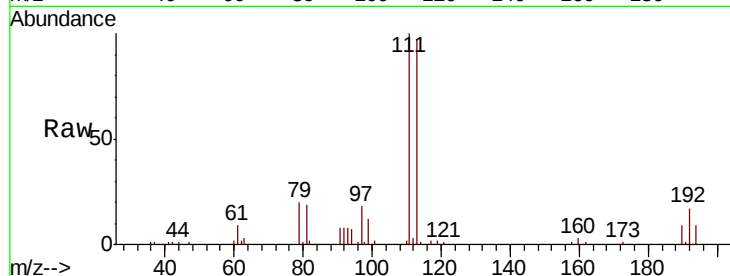
#35
 Dibromofluoromethane
 Concen: 49.334 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	18.3	15.2	22.8

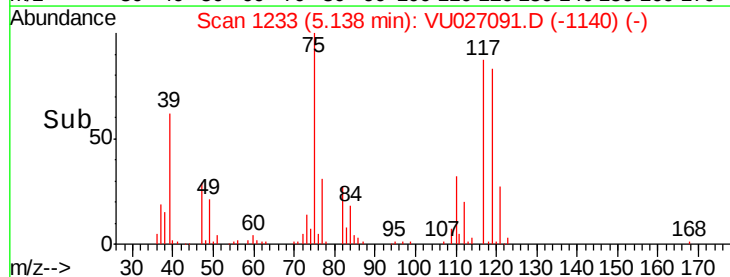
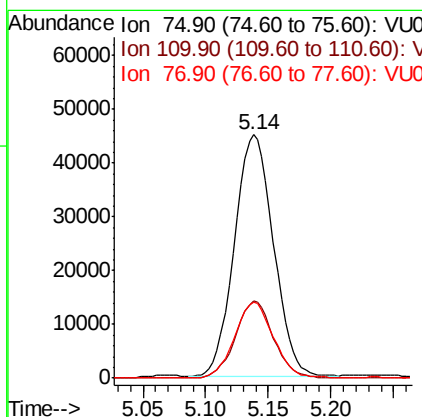
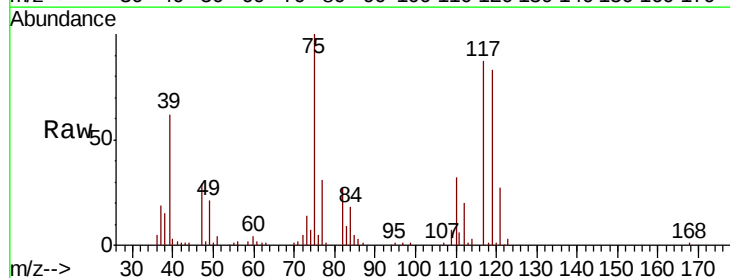
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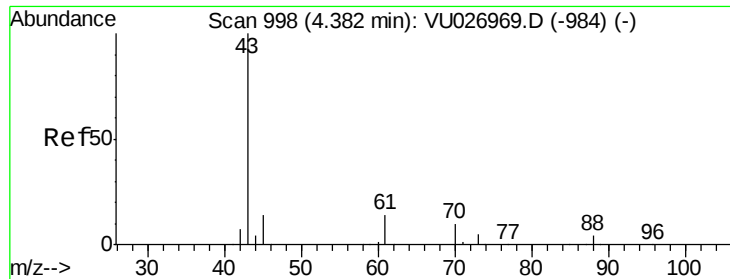
MMDadoda
 9/24/2018 4:40:40 PM



#36
 1,1-Dichloropropene
 Concen: 50.374 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	16.1	48.2
77	31.3	24.6	36.8





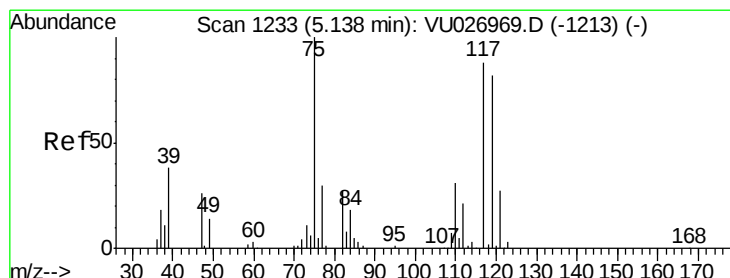
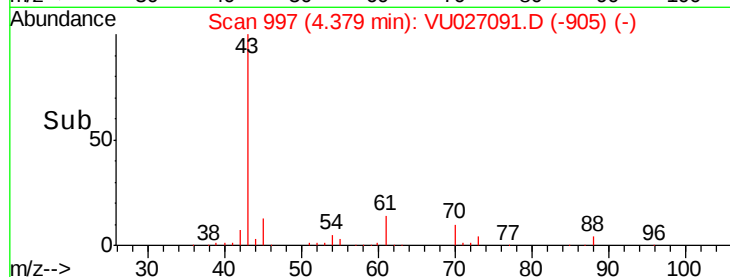
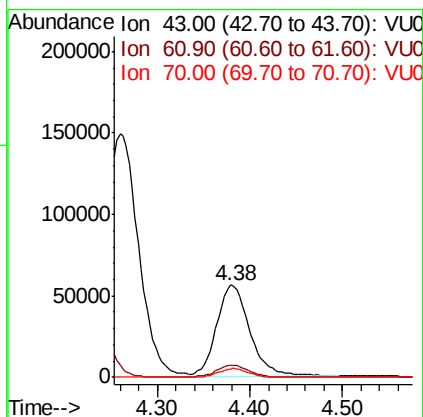
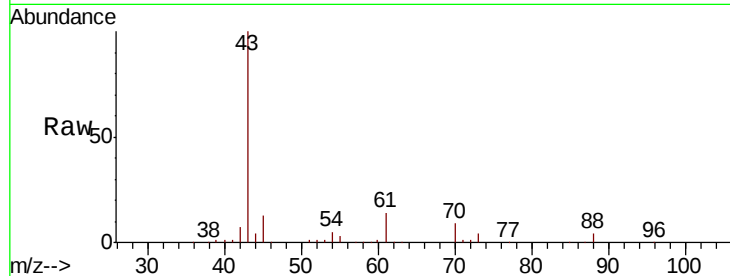
#37
Ethyl Acetate
Concen: 53.086 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	138264
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	8.8	7.4	11.0

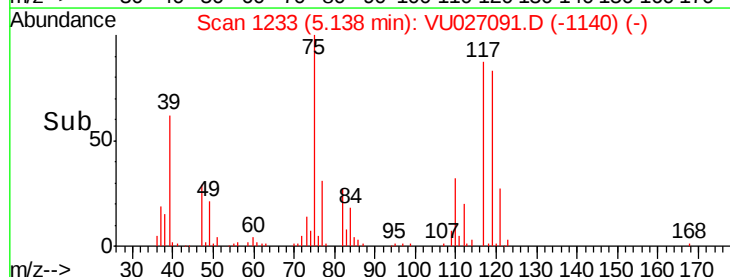
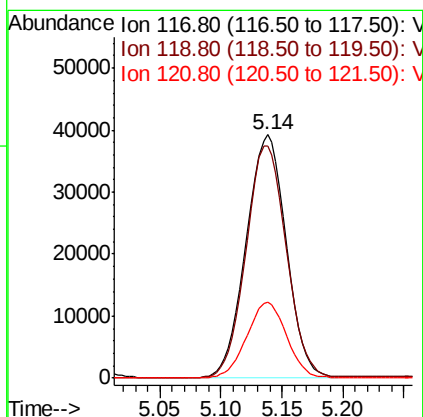
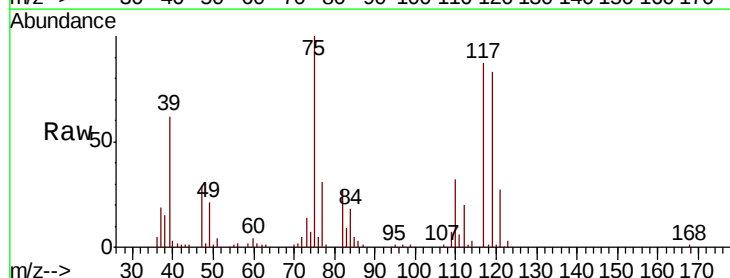
Manual Integrations
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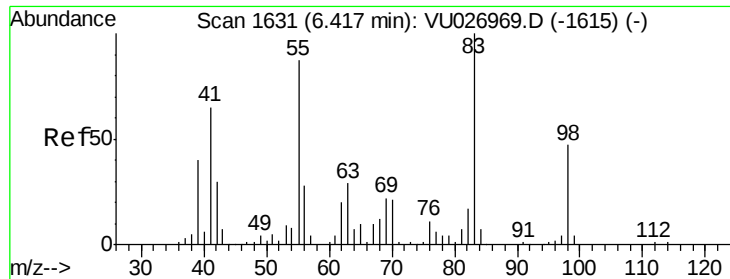
MMDadoda
9/24/2018 4:40:40 PM



#38
Carbon Tetrachloride
Concen: 48.933 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion:	117	Resp:	89592
Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.4	111.6
121	31.0	24.2	36.4





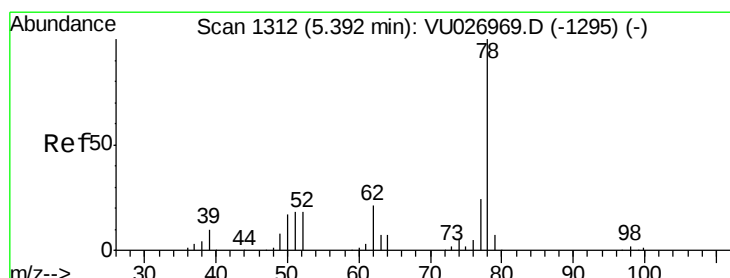
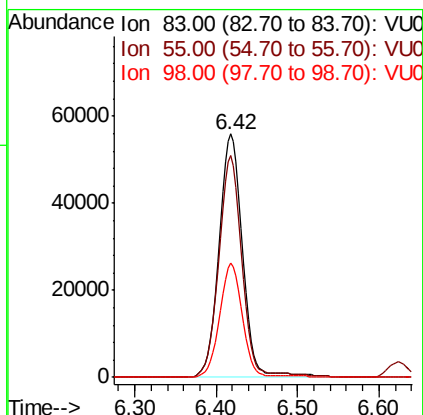
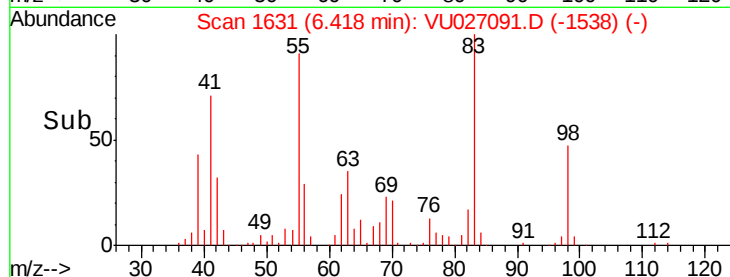
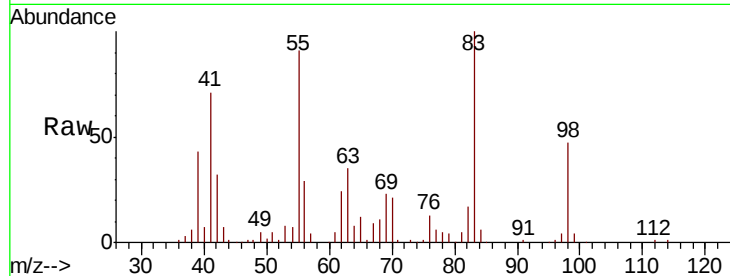
#39
Methylvlcyclohexane
Concen: 54.745 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.1	69.9	104.9
98	46.8	37.5	56.3

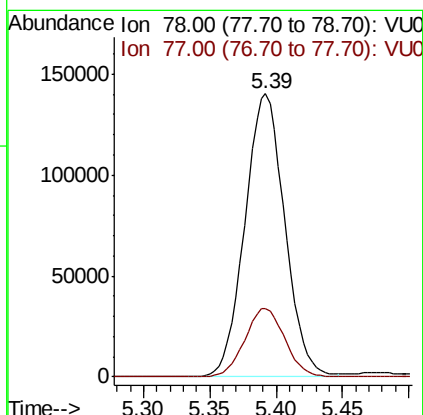
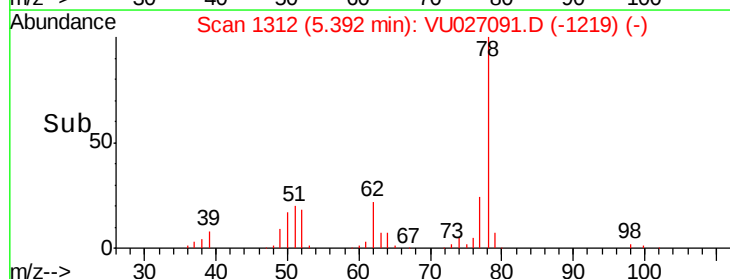
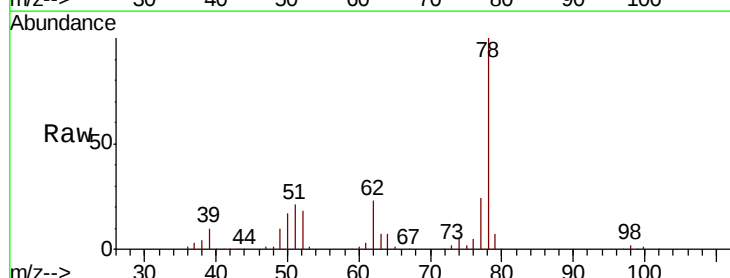
Manual Integrations
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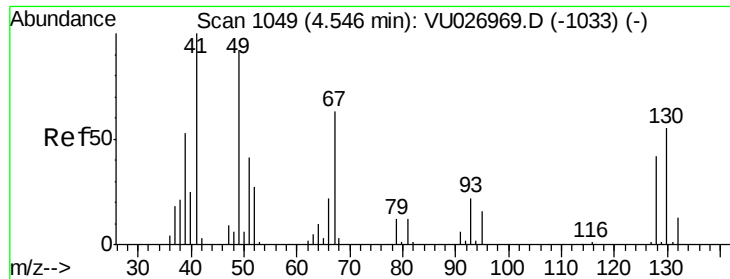
MMDadoda
9/24/2018 4:40:40 PM



#40
Benzene
Concen: 50.323 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





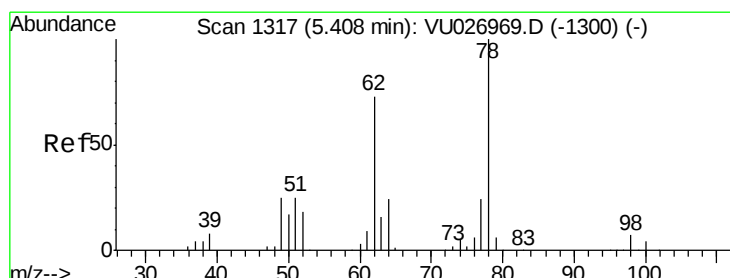
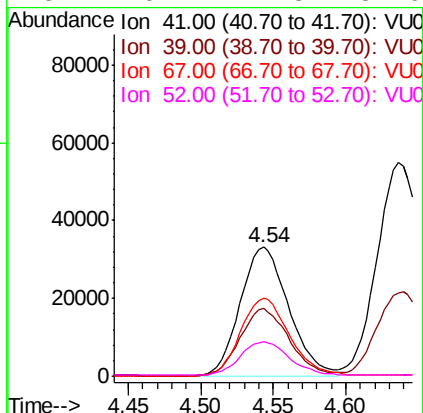
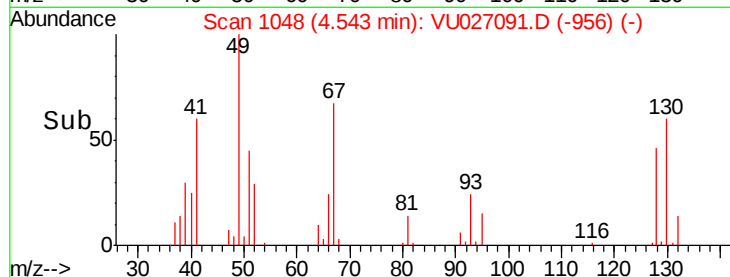
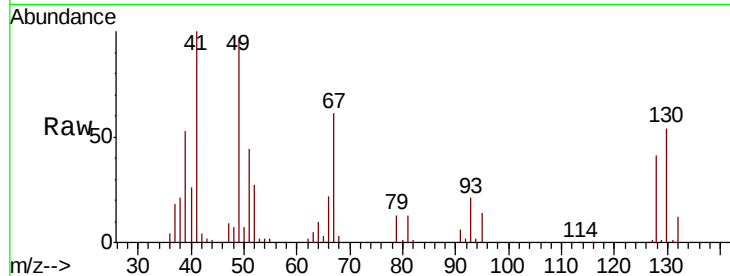
#41
Methacrylonitrile
Concen: 57.396 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.9	64.3	
67	61.4	52.4	78.6	
52	26.7	21.3	31.9	

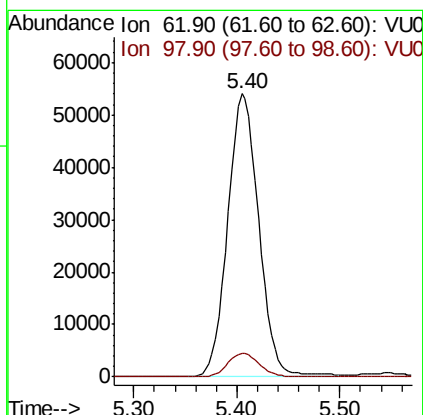
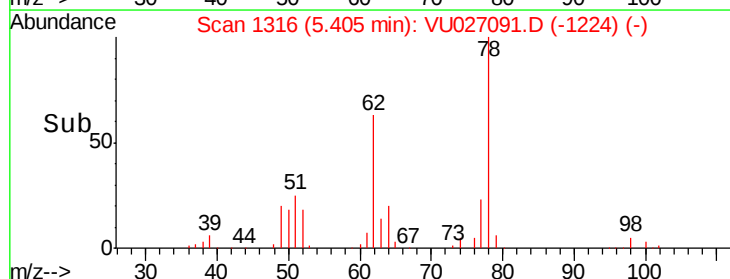
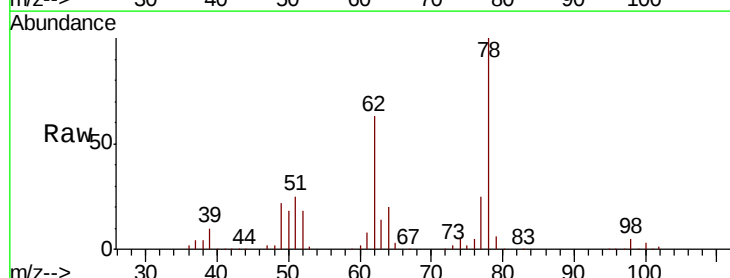
Manual Integrations
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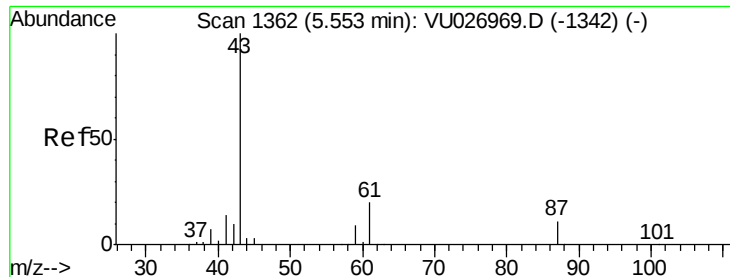
MMDadoda
9/24/2018 4:40:40 PM



#42
1,2-Dichloroethane
Concen: 51.508 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.0	





#43

Isopropyl Acetate

Concen: 55.517 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

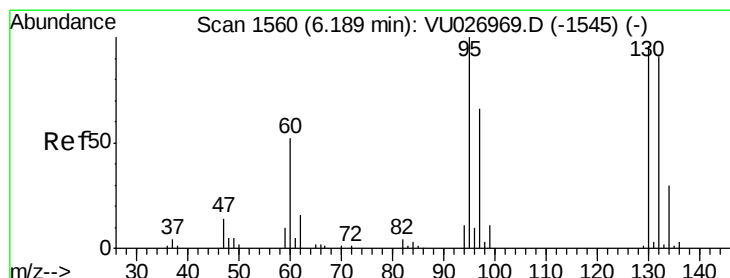
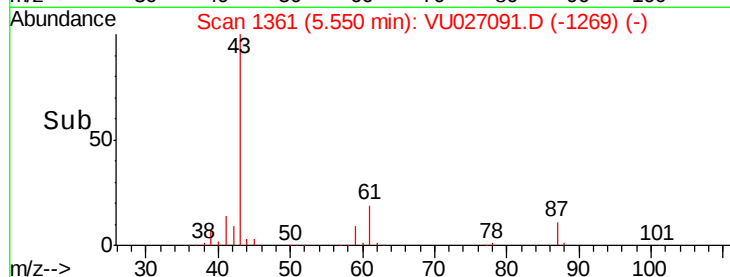
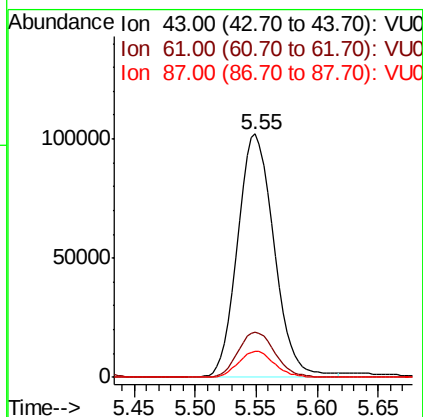
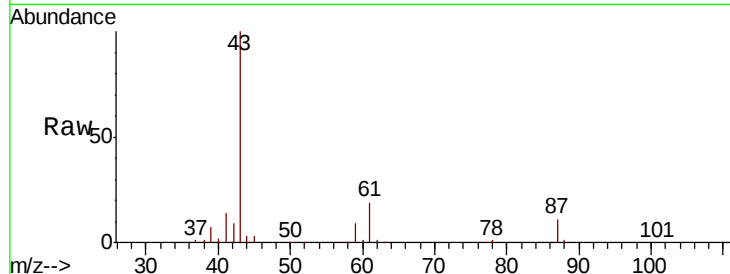
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	210874
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.7	23.5
87	10.6	9.0	13.4

Manual Integrations
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MMDadoda
9/24/2018 4:40:40 PM



#44

Trichloroethene

Concen: 49.070 ug/l

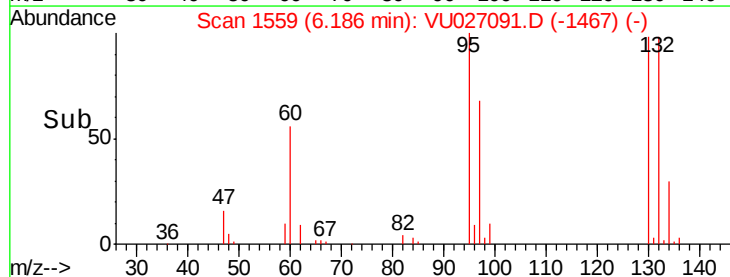
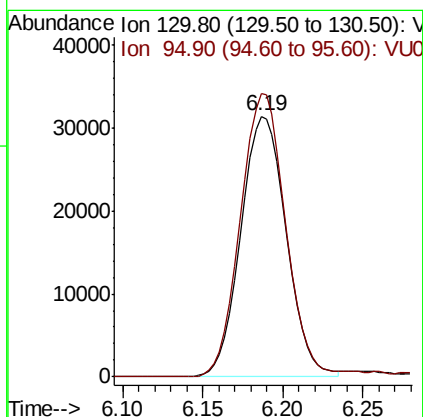
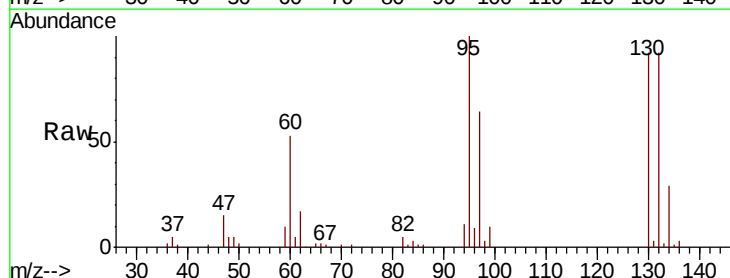
RT: 6.19 min Scan# 1559

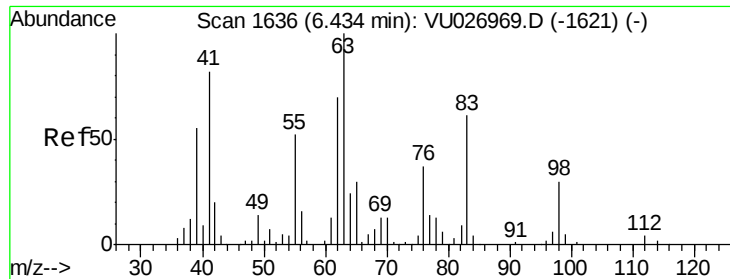
Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Tgt Ion:	130	Resp:	61100
Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	208.8





#45

1,2-Dichloropropane

Concen: 52.766 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 87935

Ion Ratio Lower Upper

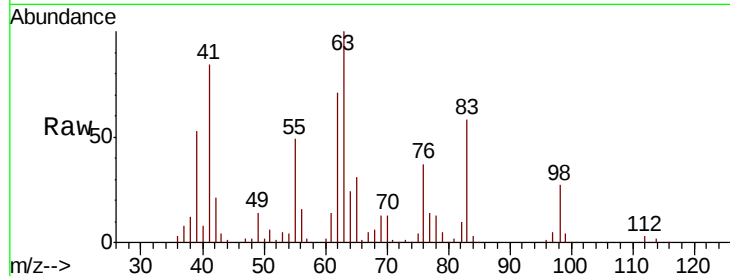
63 100

65 31.1 24.3 36.5

Manual Integrations
APPROVED

MMDadoda

9/24/2018 4:40:40 PM



Abundance Ion 62.90 (62.60 to 63.60): VU026969.D (-1621) (-)

Ion 64.90 (64.60 to 65.60): VU026969.D (-1621) (-)

6.43

50000

40000

30000

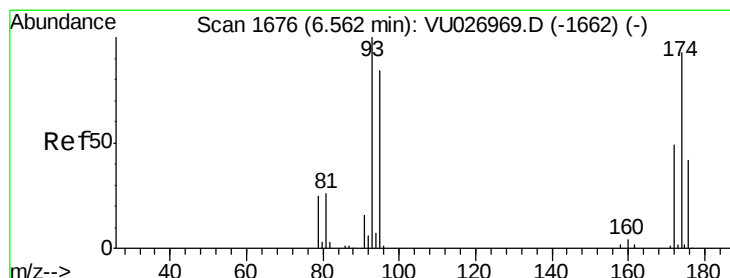
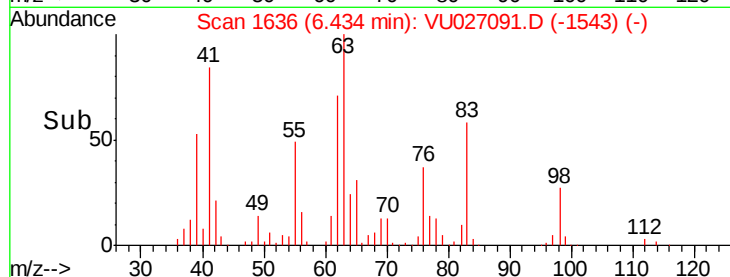
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 49.367 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

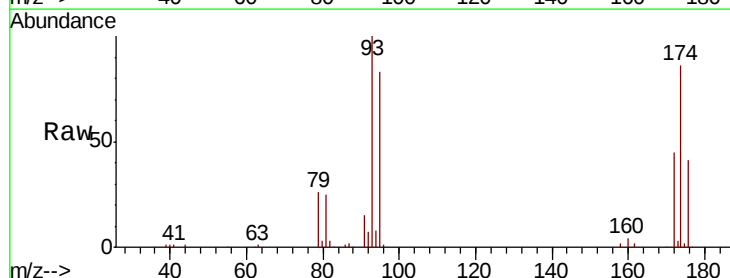
Tgt Ion: 93 Resp: 49688

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 87.6 71.7 107.5



Abundance Ion 92.80 (92.50 to 93.50): VU026969.D (-1662) (-)

Ion 94.80 (94.50 to 95.50): VU026969.D (-1662) (-)

Ion 173.70 (173.40 to 174.40): VU026969.D (-1662) (-)

6.56

30000

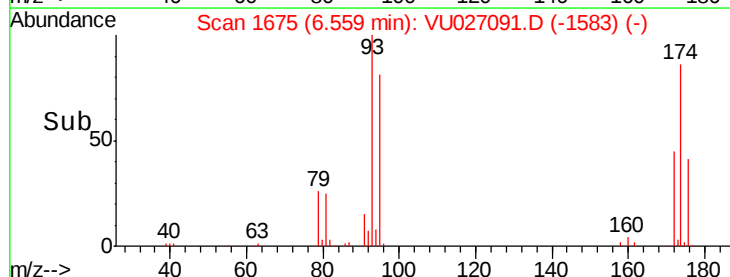
20000

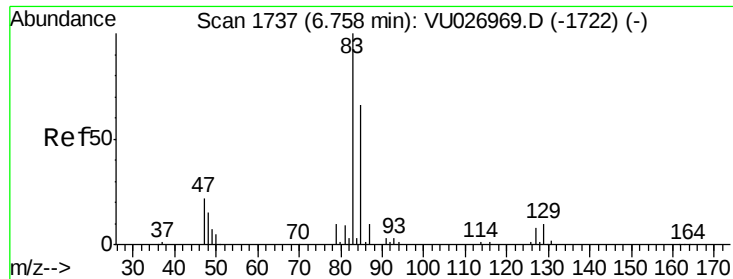
10000

0

6.50 6.55 6.60 6.65

Time-->





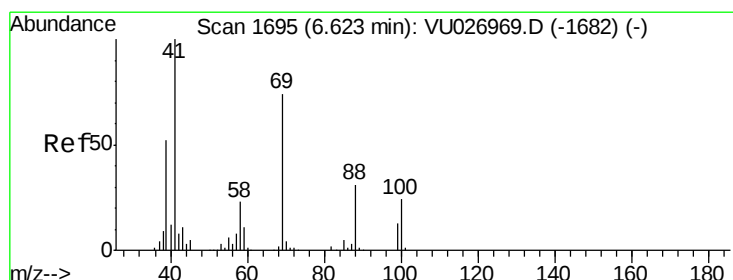
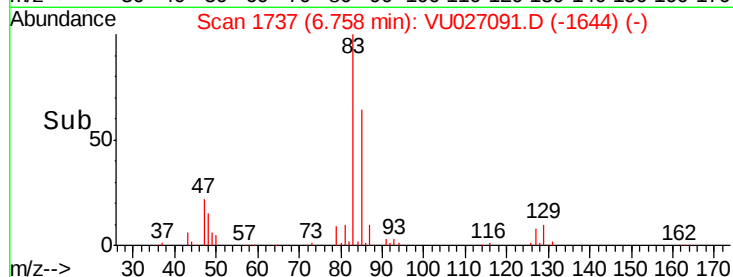
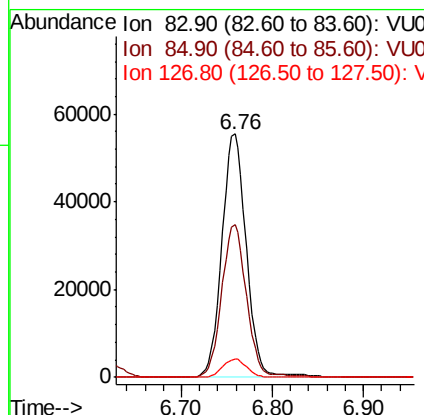
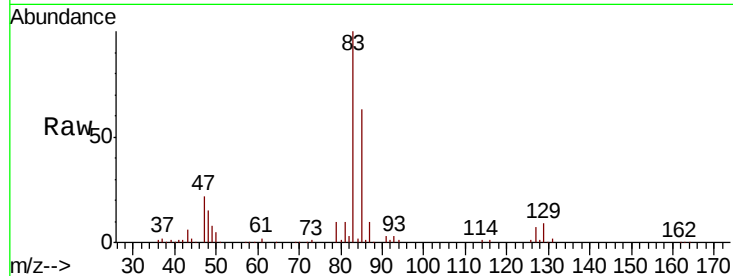
#47
Bromodichloromethane
Concen: 50.874 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	103537
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	52.5	78.7
127	7.4	6.3	9.5

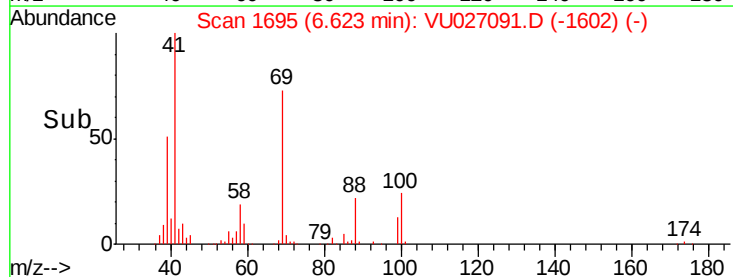
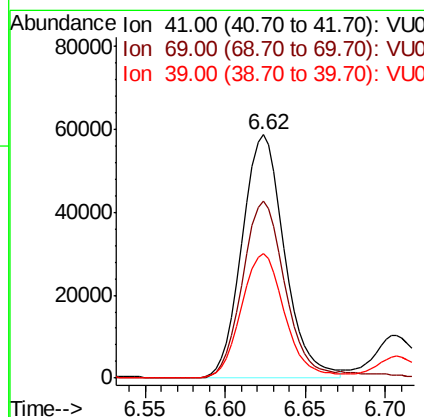
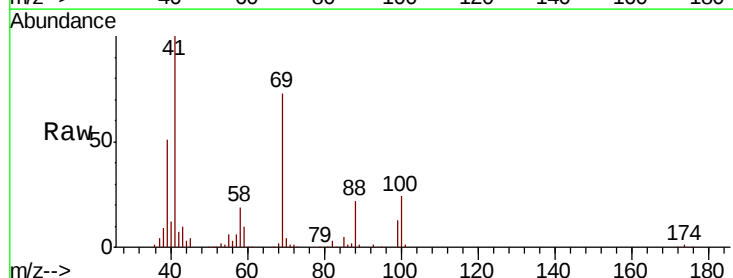
Manual Integrations
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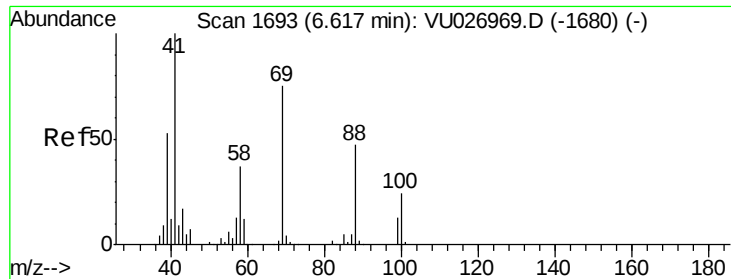
MMDadoda
9/24/2018 4:40:40 PM



#48
Methyl methacrylate
Concen: 51.481 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	41	Resp	106493
Ion Ratio	100	Lower	Upper
41	100		
69	75.9	60.6	90.8
39	52.9	42.8	64.2





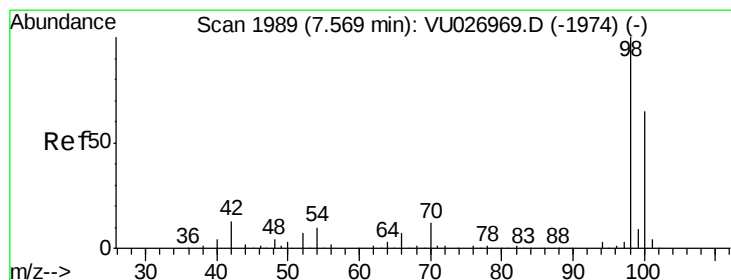
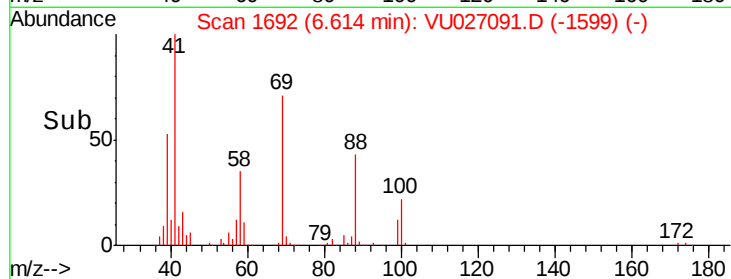
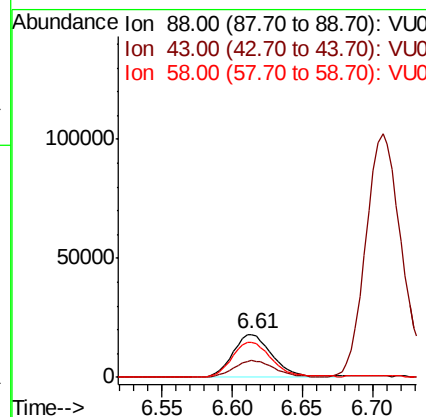
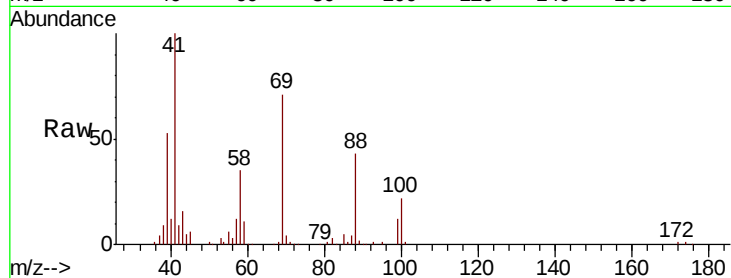
#49
1,4-Dioxane
Concen: 854.918 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	29.8	44.8
58	84.3	63.9	95.9

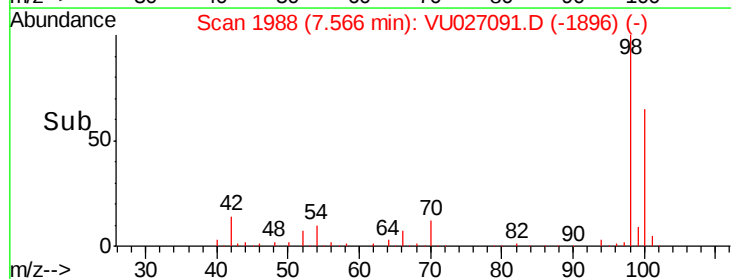
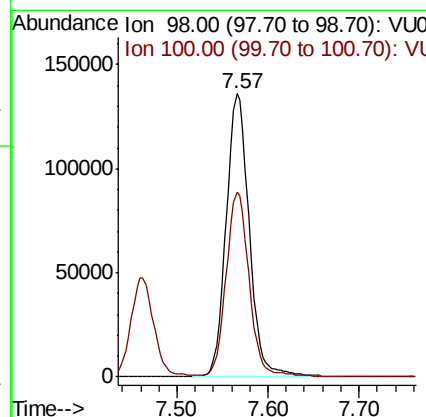
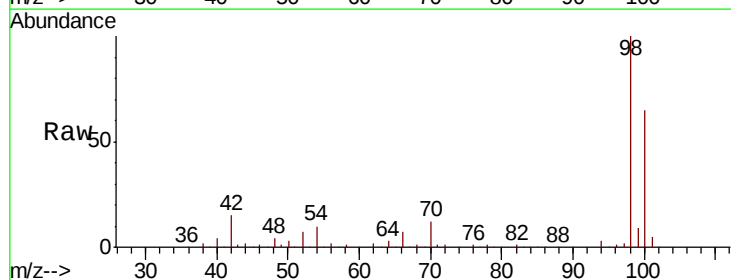
Manual Integrations
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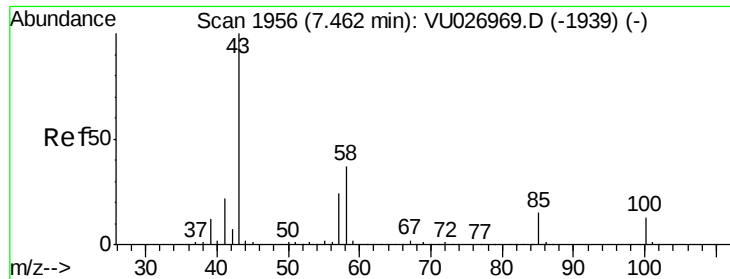
MMDadoda
9/24/2018 4:40:40 PM



#50
Toluene-d8
Concen: 50.590 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 279.878 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 714987

Ion Ratio Lower Upper

43 100

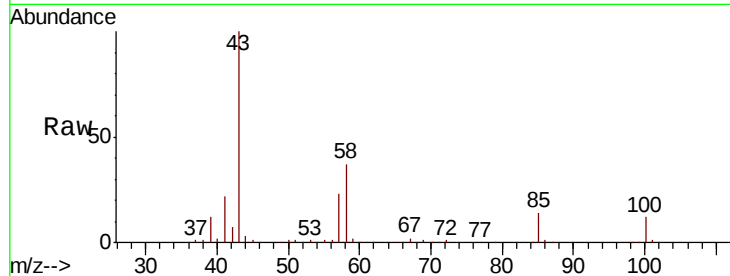
58 36.9 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 4:40:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.46

400000

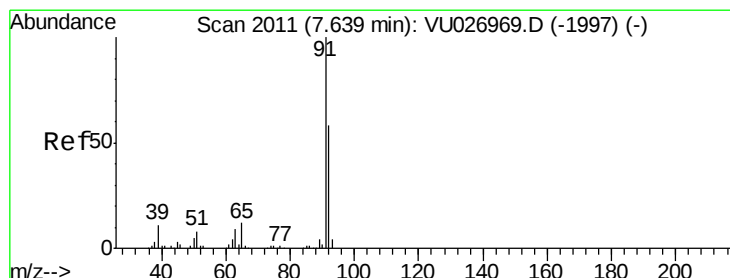
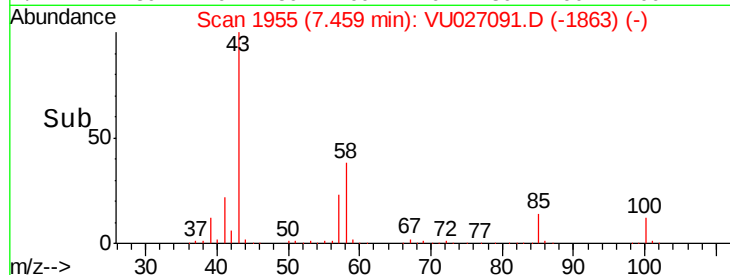
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#52

Toluene

Concen: 53.205 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027091.D

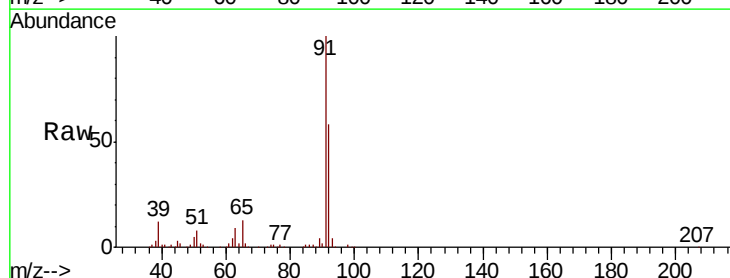
Acq: 23 Sep 2018 22:38

Tgt Ion: 92 Resp: 178370

Ion Ratio Lower Upper

92 100

91 172.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)

200000

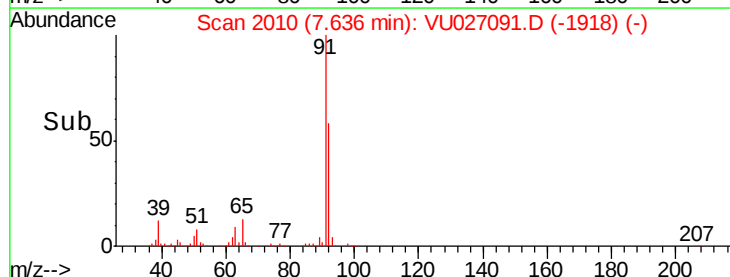
150000

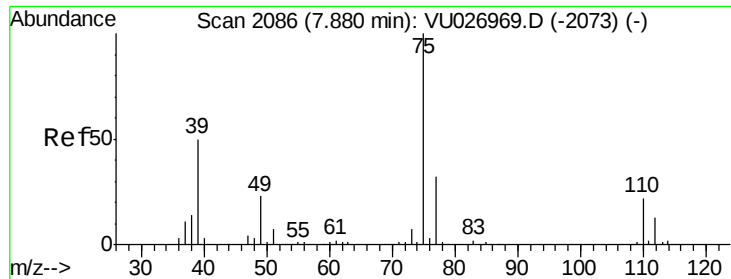
100000

50000

0

Time--> 7.60 7.70 7.80





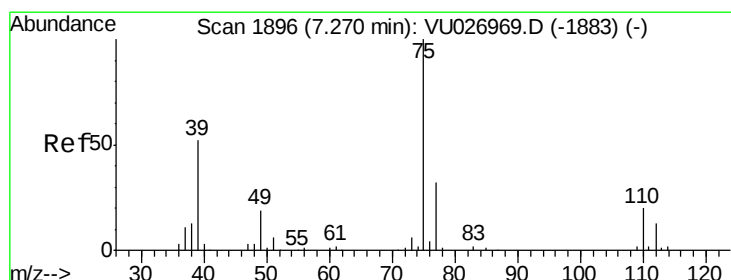
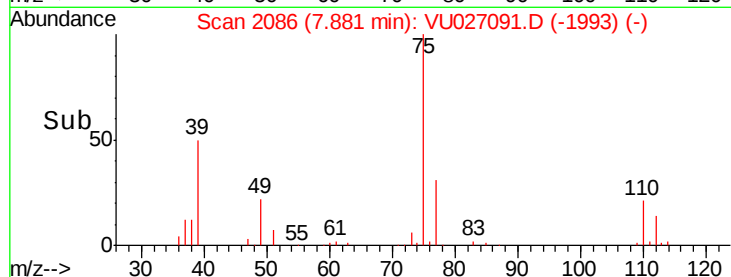
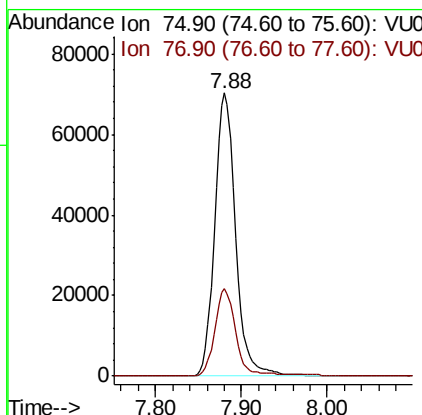
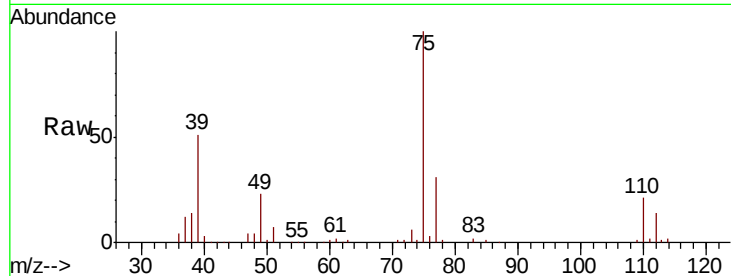
#53
t-1,3-Dichloropropene
Concen: 54.493 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9

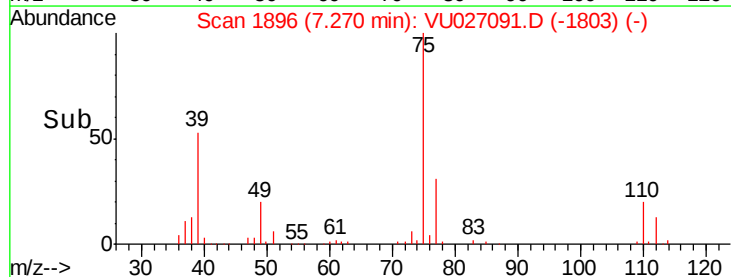
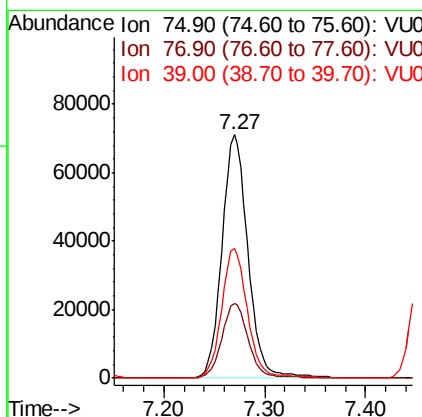
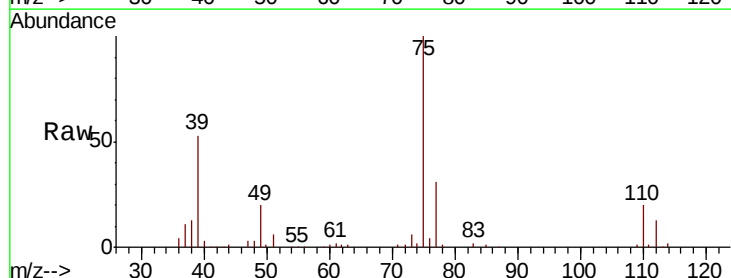
Manual Integrations
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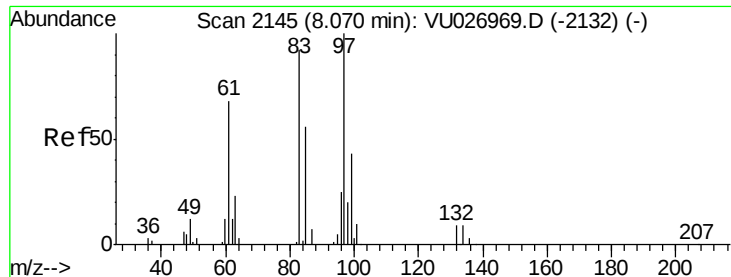
MMDadoda
9/24/2018 4:40:40 PM



#54
cis-1,3-Dichloropropene
Concen: 53.216 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	53.5	41.6	62.4





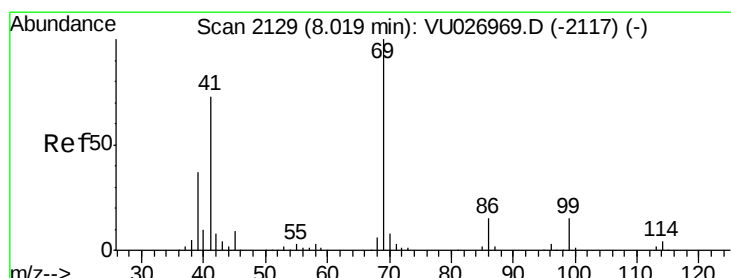
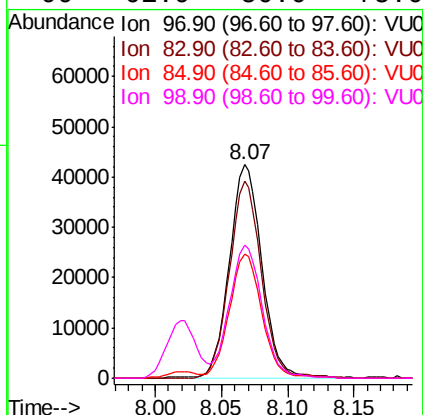
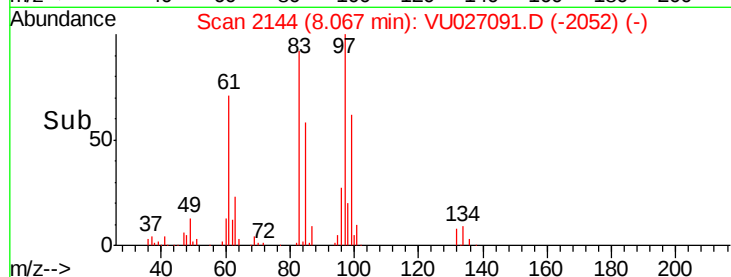
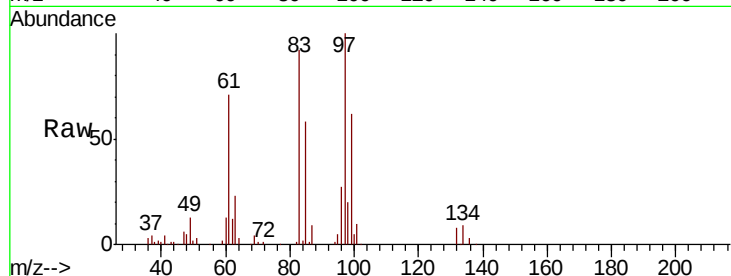
#55
 1,1,2-Trichloroethane
 Concen: 50.633 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	71926
Ion	Ratio	Lower	Upper
97	100		
83	92.6	73.1	109.7
85	58.3	46.7	70.1
99	61.9	50.0	75.0

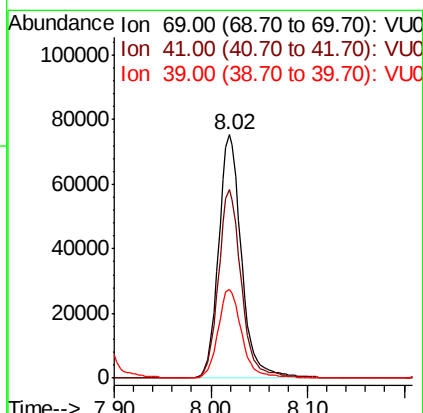
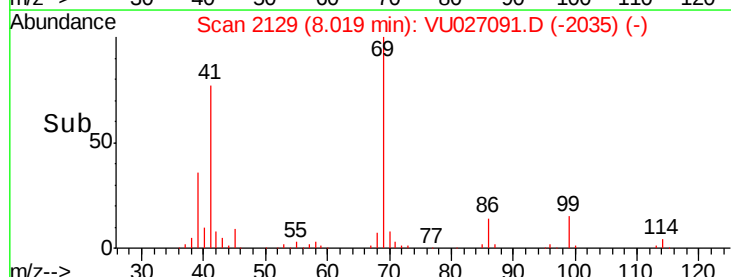
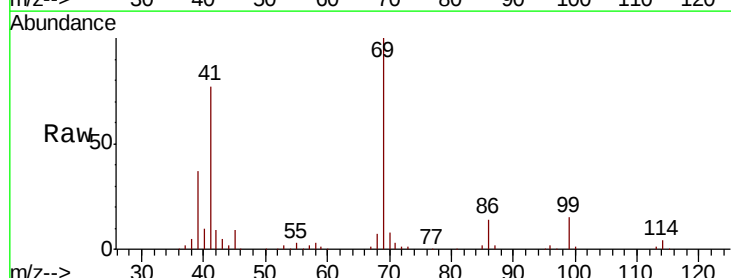
Manual Integrations
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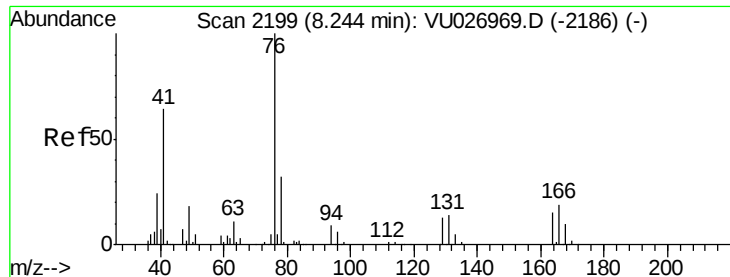
MMDadoda
 9/24/2018 4:40:40 PM



#56
 Ethyl methacrylate
 Concen: 50.179 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion:	69	Resp:	123701
Ion	Ratio	Lower	Upper
69	100		
41	78.2	59.0	88.4
39	38.2	30.2	45.4





#57

1,3-Dichloropropane

Concen: 52.004 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 137400

Ion Ratio Lower Upper

76 100

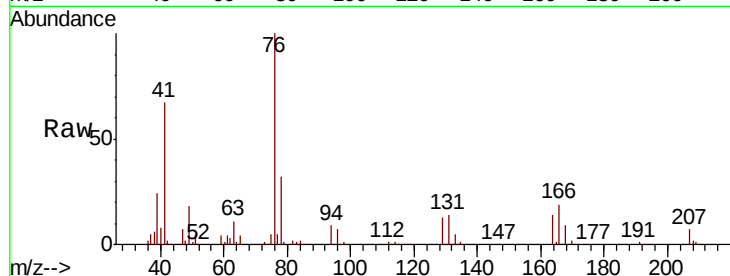
78 31.8 25.5 38.3

Manual Integrations

APPROVED

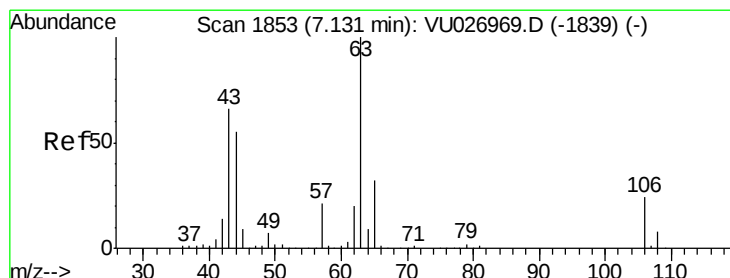
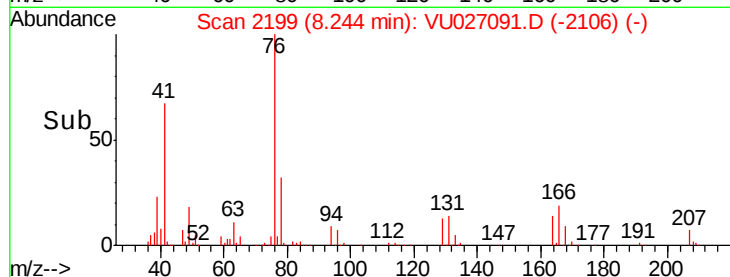
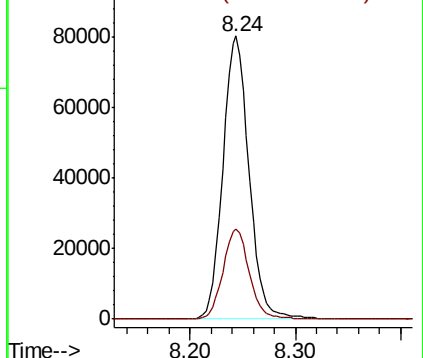
MMDadoda

9/24/2018 4:40:40 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 253.514 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU027091.D

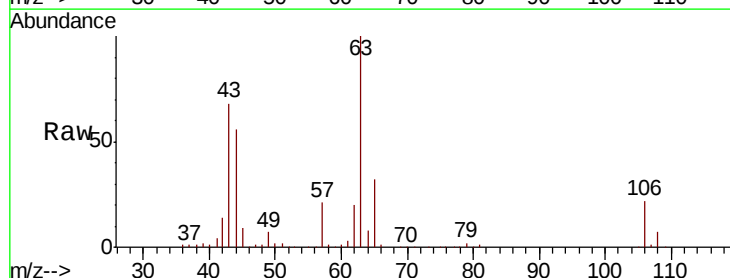
Acq: 23 Sep 2018 22:38

Tgt Ion: 63 Resp: 354717

Ion Ratio Lower Upper

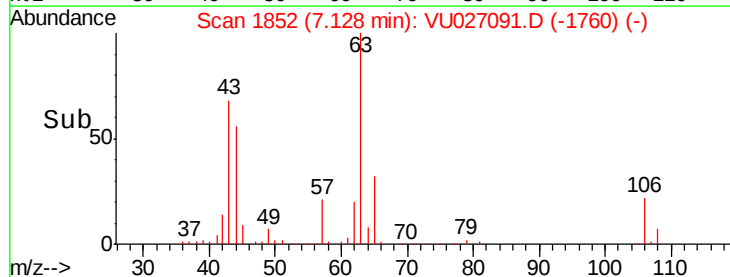
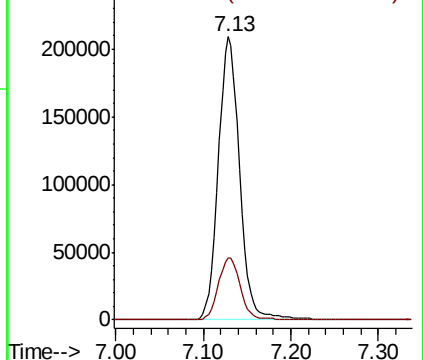
63 100

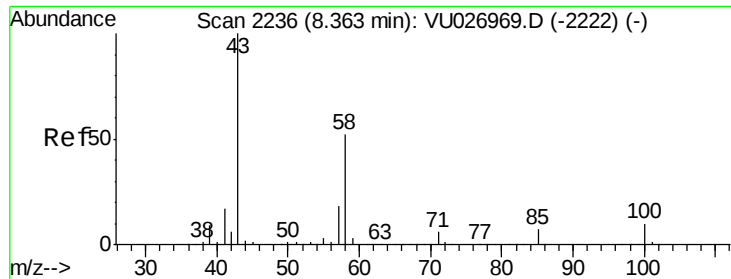
106 22.8 18.7 28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





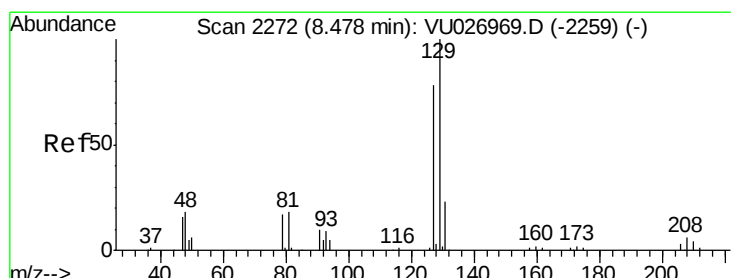
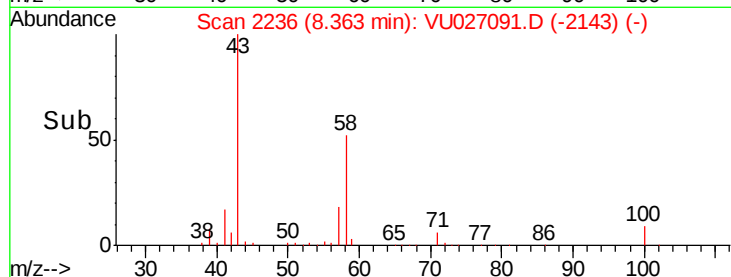
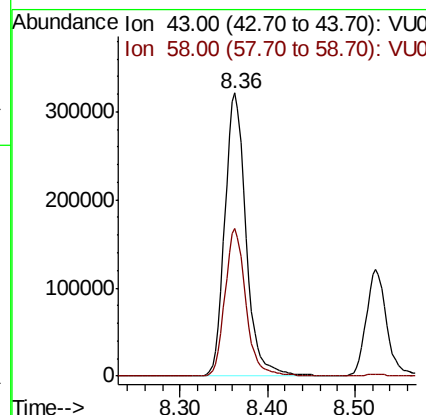
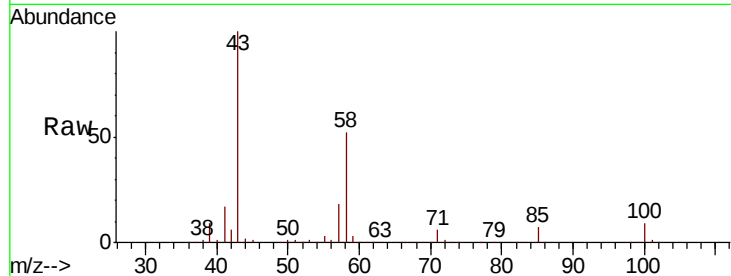
#59
 2-Hexanone
 Concen: 271.238 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	26.1	78.2

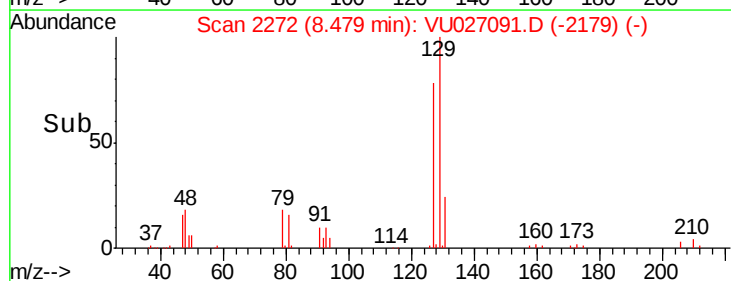
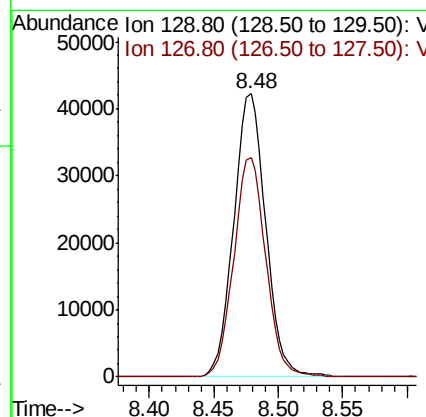
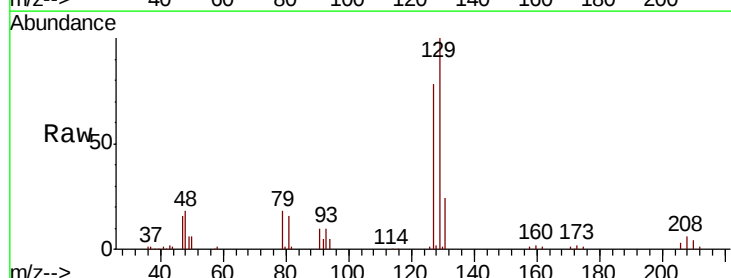
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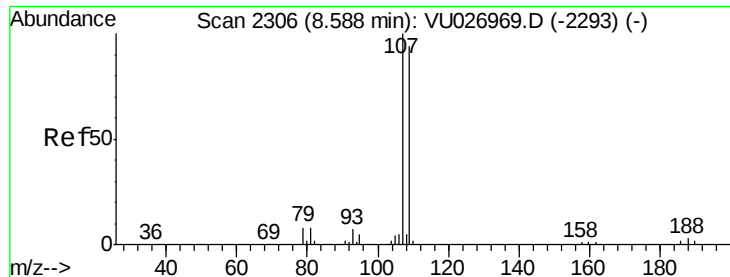
MMDadoda
 9/24/2018 4:40:40 PM



#60
 Dibromochloromethane
 Concen: 52.317 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.5





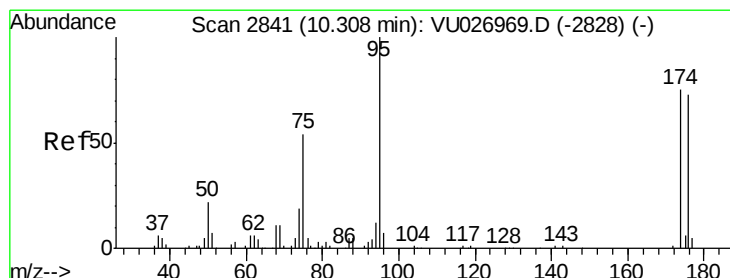
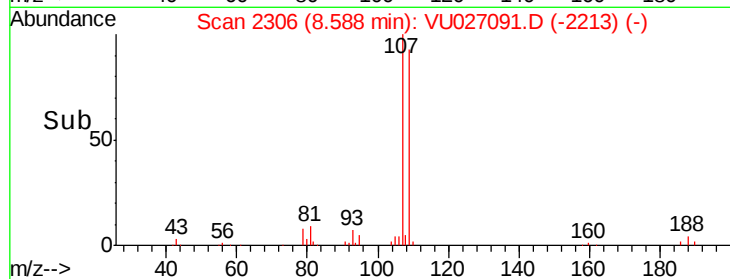
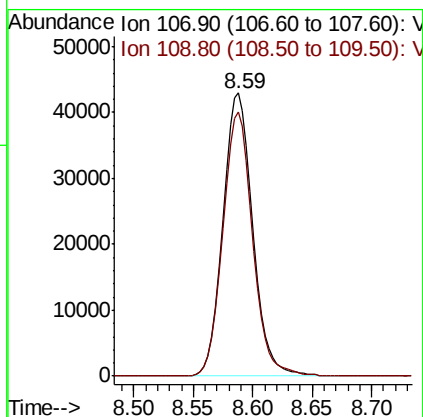
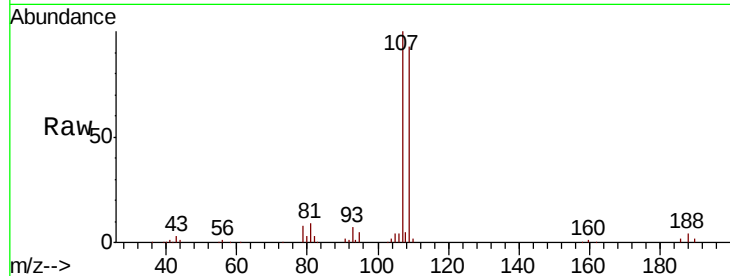
#61
 1,2-Dibromoethane
 Concen: 50.383 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6

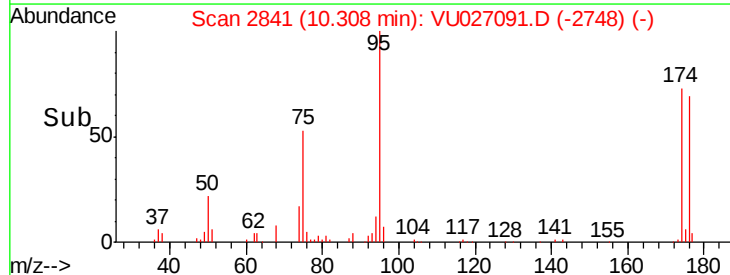
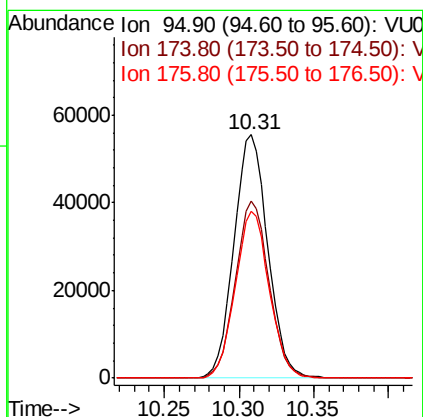
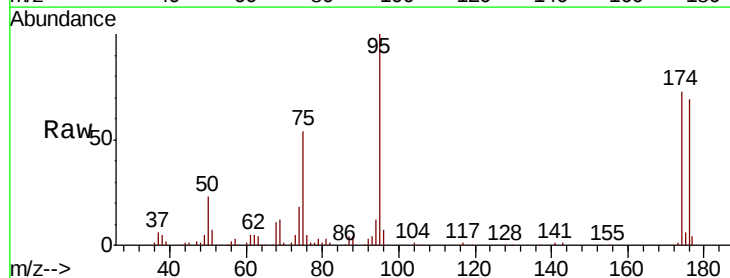
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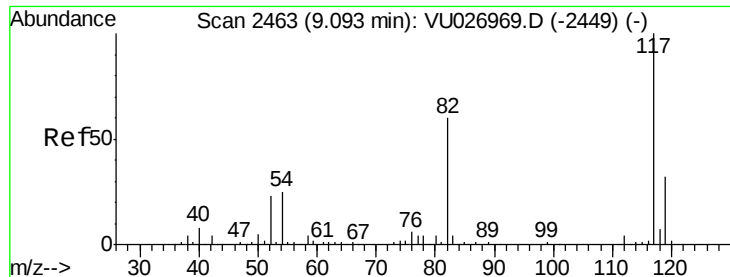
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#62
 4-Bromofluorobenzene
 Concen: 53.532 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	150.2
176	68.7	0.0	145.2





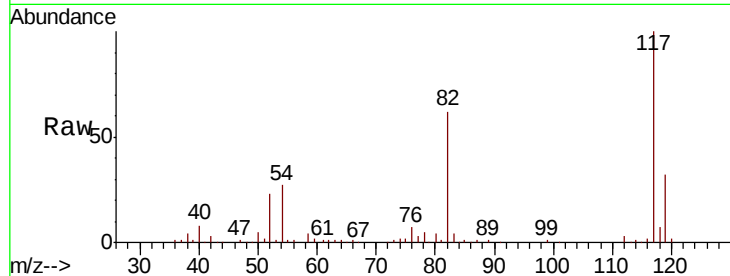
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	48.0	72.0
119	31.5	25.8	38.8

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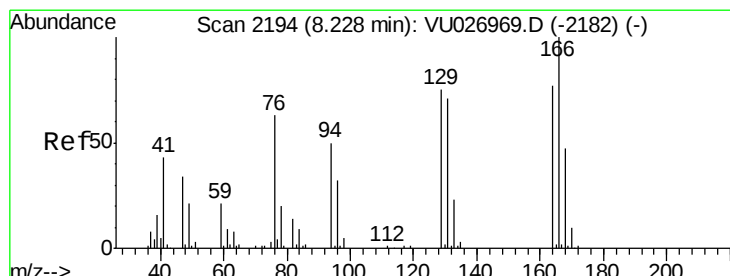
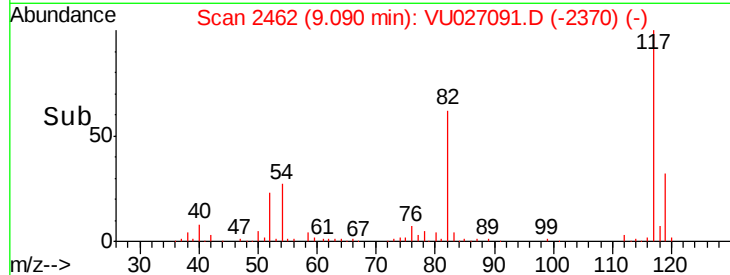
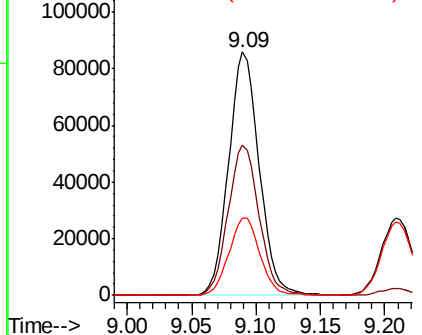


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.407 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	104.4	156.6
129	96.5	78.7	118.1
131	94.0	73.9	110.9

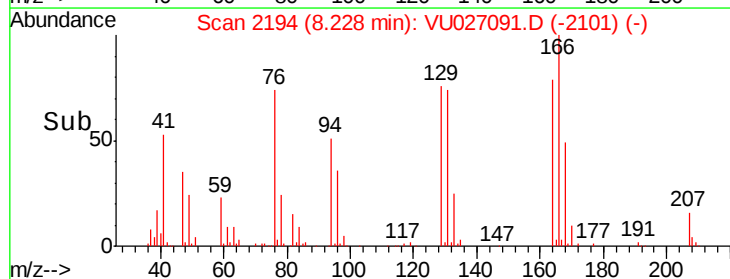
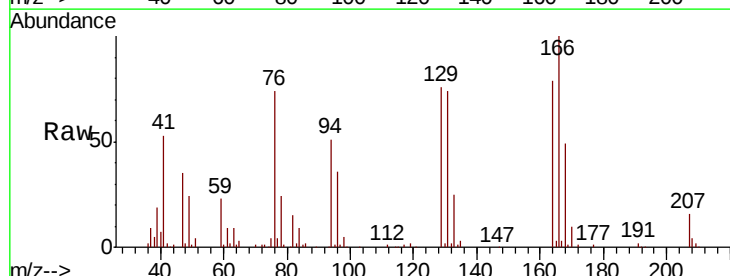
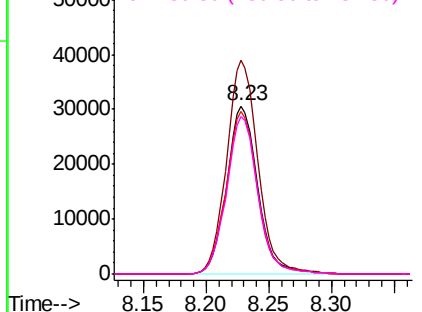
Abundance

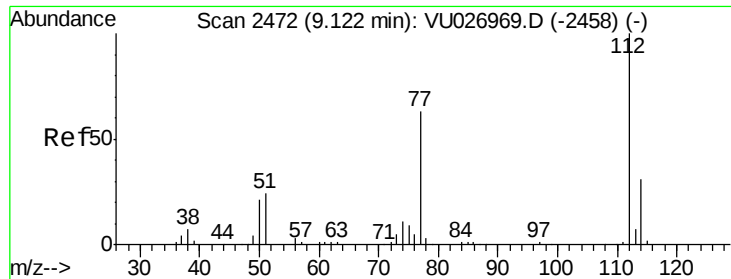
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





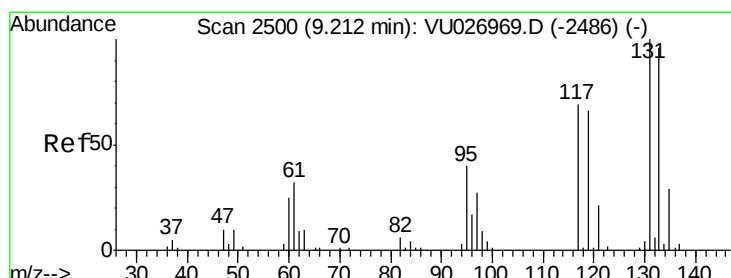
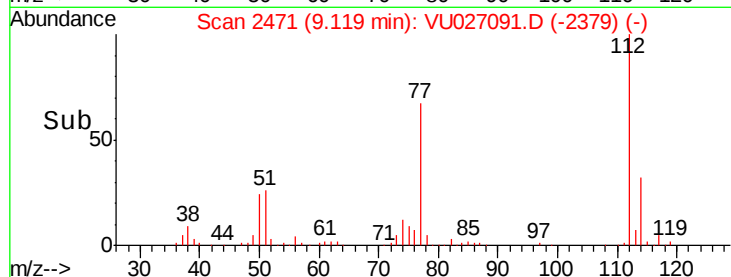
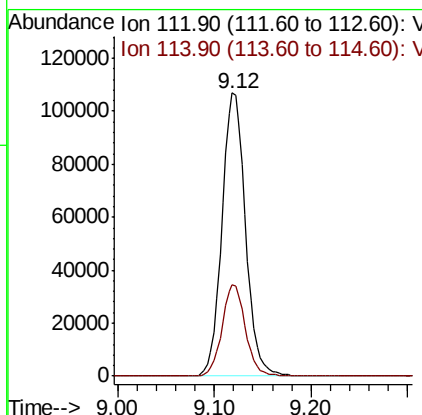
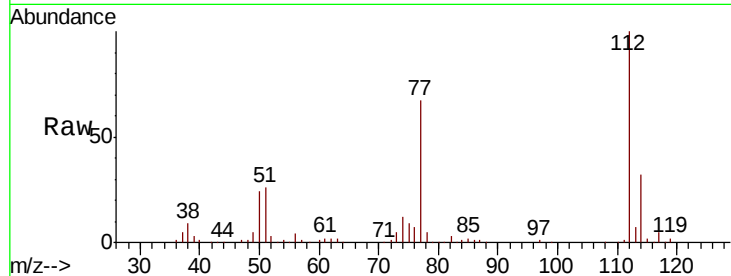
#65
Chlorobenzene
Concen: 48.178 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 180654
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6

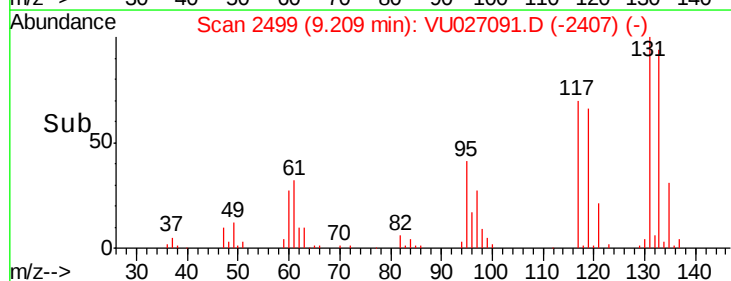
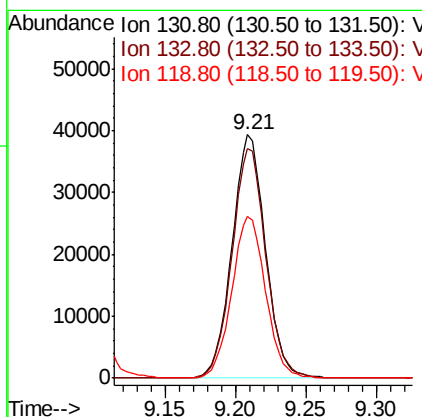
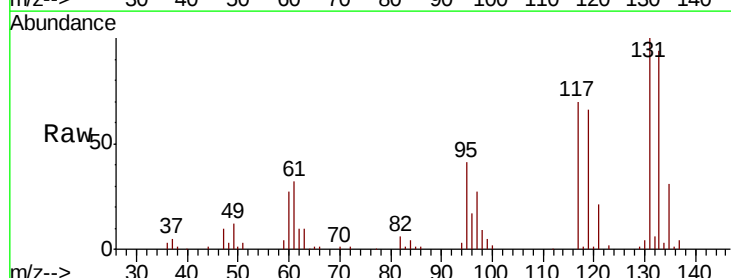
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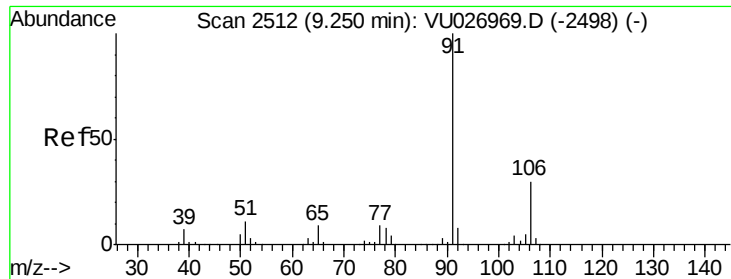
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.518 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion:131 Resp: 65246
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 67.2 33.4 100.1





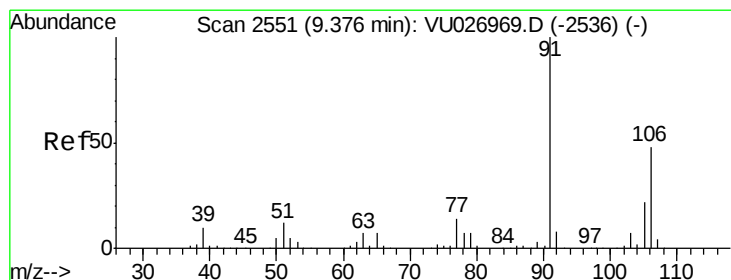
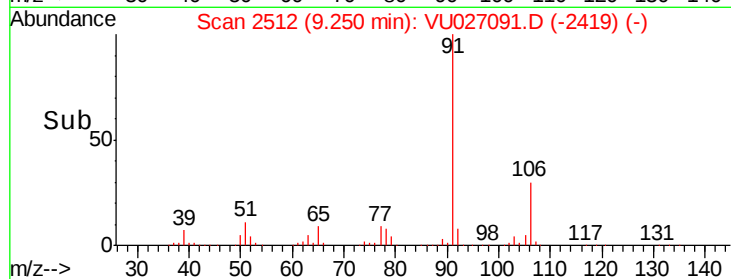
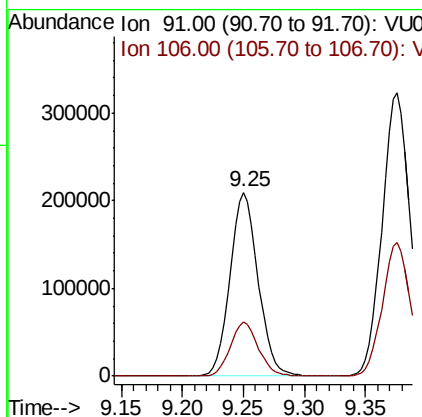
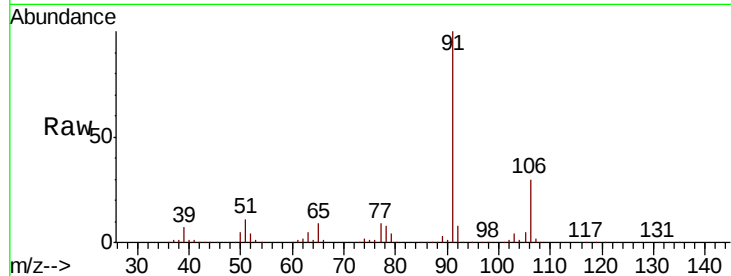
#67
Ethyl Benzene
Concen: 54.572 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 336493
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8

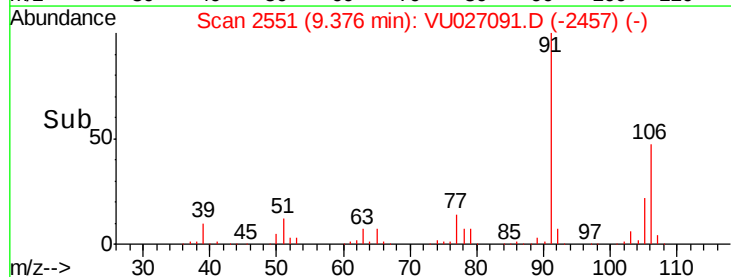
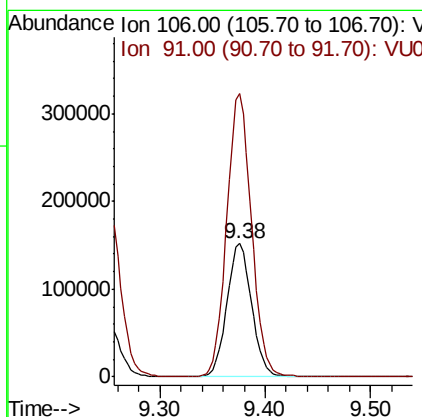
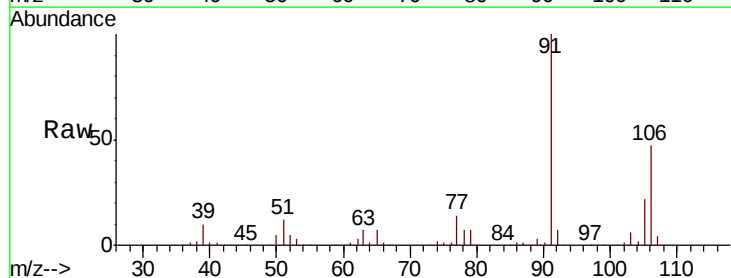
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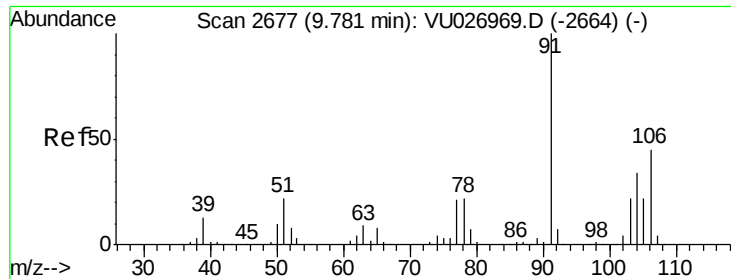
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#68
m/p-Xylenes
Concen: 98.914 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion: 106 Resp: 246961
Ion Ratio Lower Upper
106 100
91 212.1 166.5 249.7





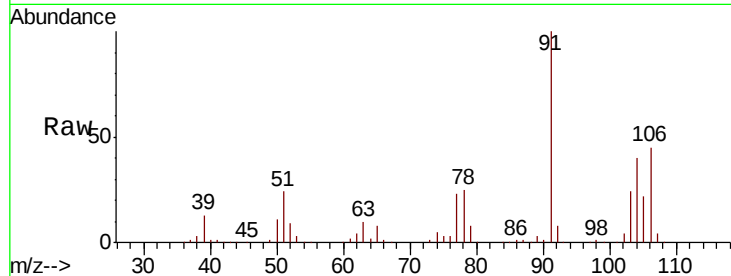
#69
o-Xylene
Concen: 54.729 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

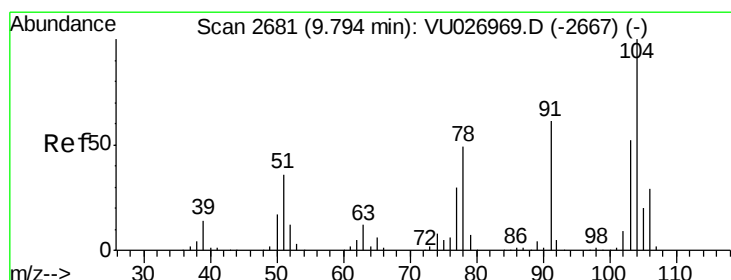
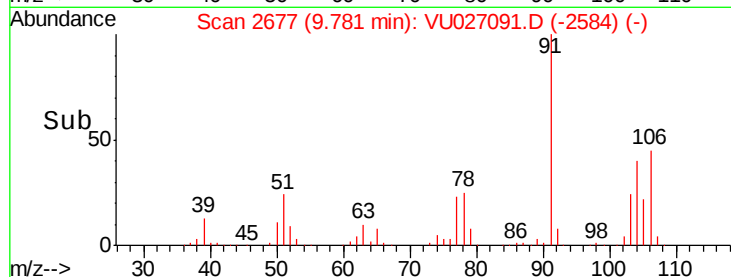
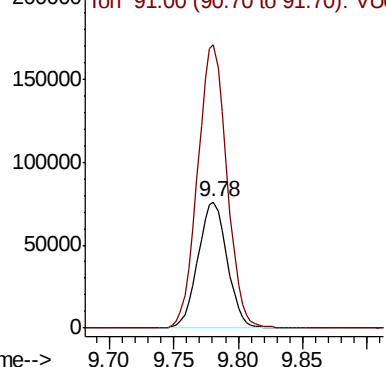
Tot Ion:106 Resp: 119567
Ion Ratio Lower Upper
106 100
91 224.7 110.2 330.6

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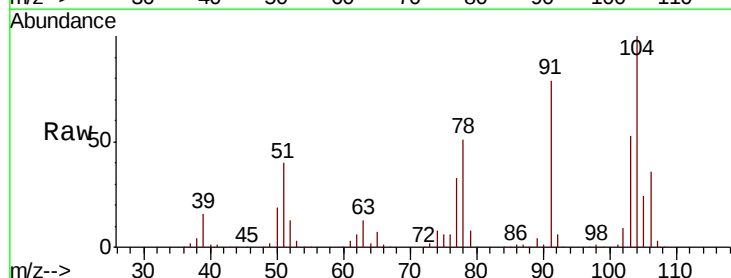


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

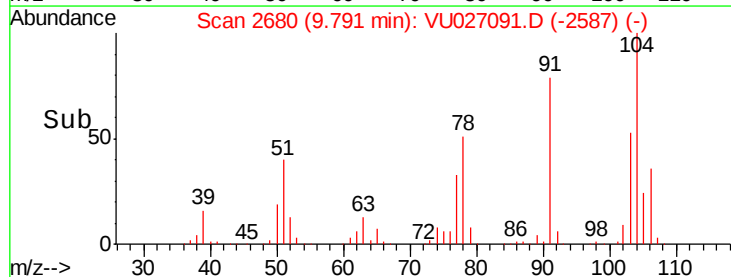
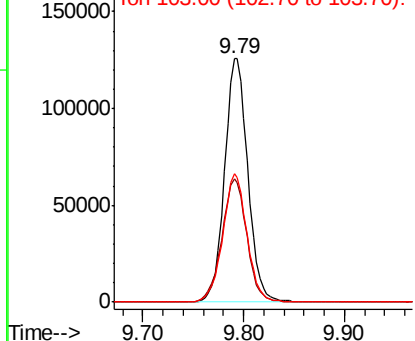


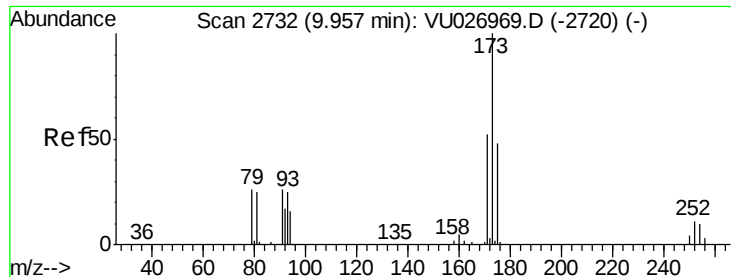
#70
Styrene
Concen: 49.637 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion:104 Resp: 202424
Ion Ratio Lower Upper
104 100
78 54.4 43.0 64.4
103 54.6 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.860 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 52794

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.8

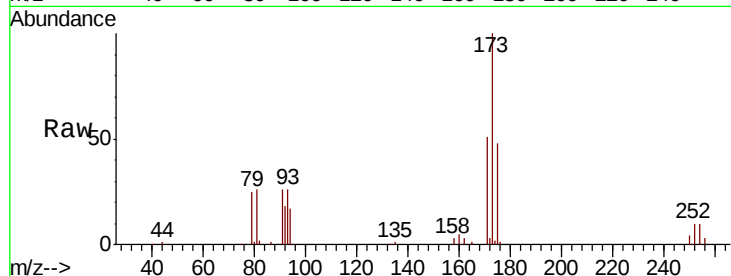
254 0.0 0.0 0.0

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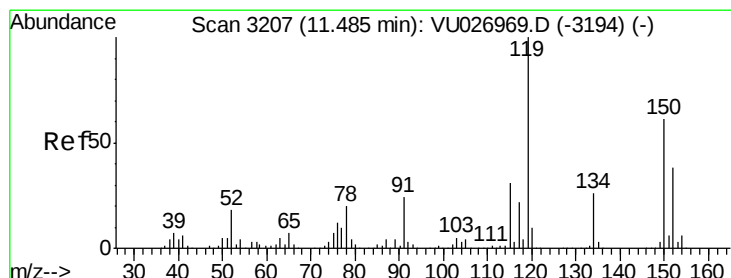
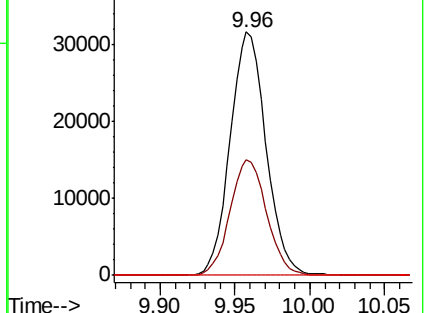
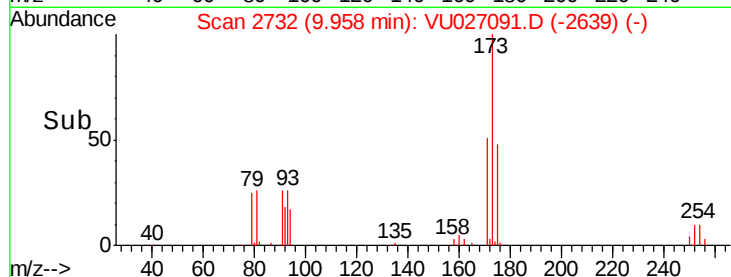
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

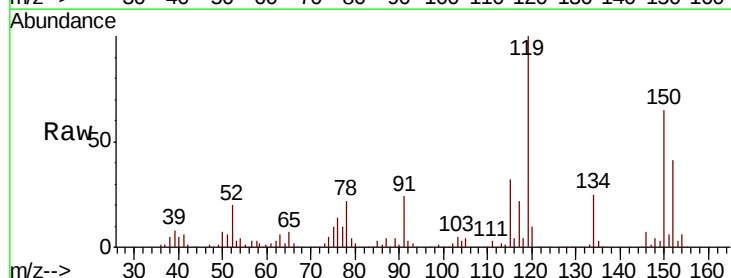
Tgt Ion:152 Resp: 77077

Ion Ratio Lower Upper

152 100

115 89.6 44.9 134.5

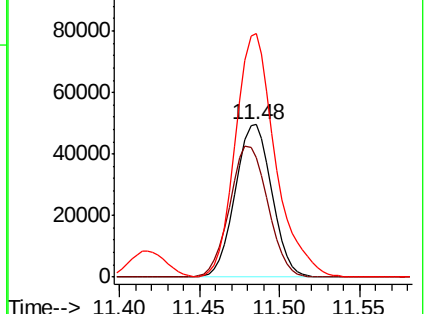
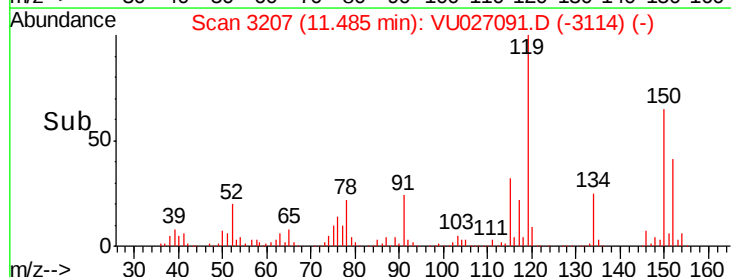
150 175.1 0.0 355.8

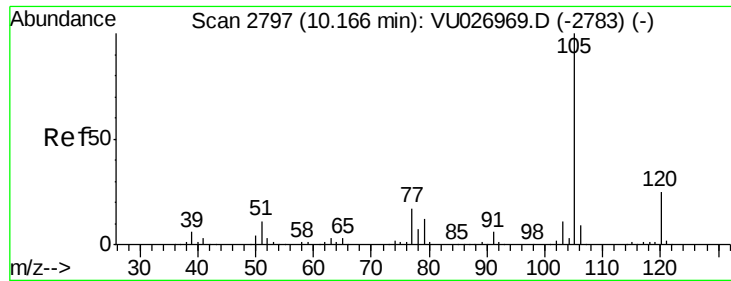


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.232 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 323834

Ion Ratio Lower Upper

105 100

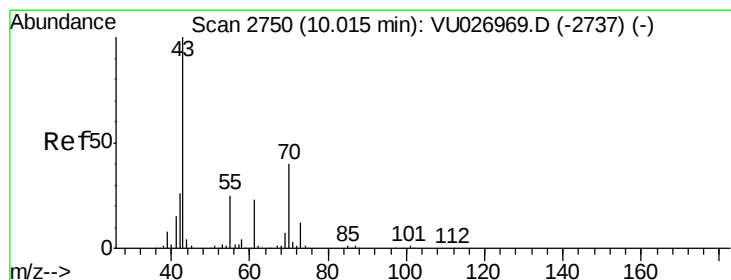
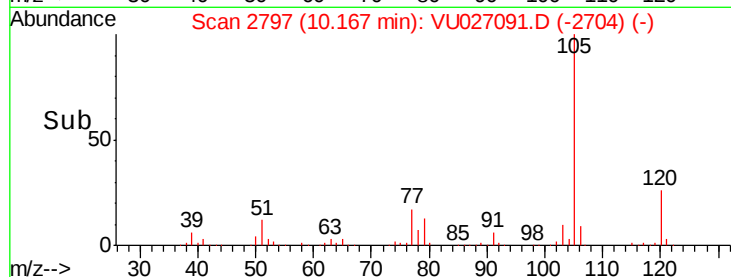
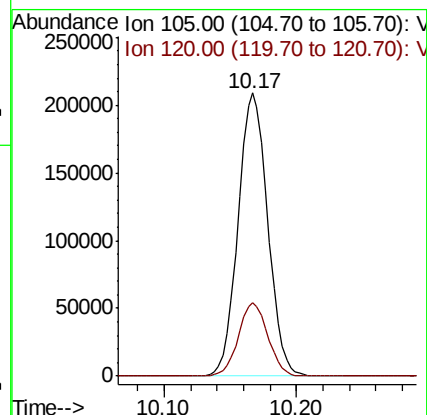
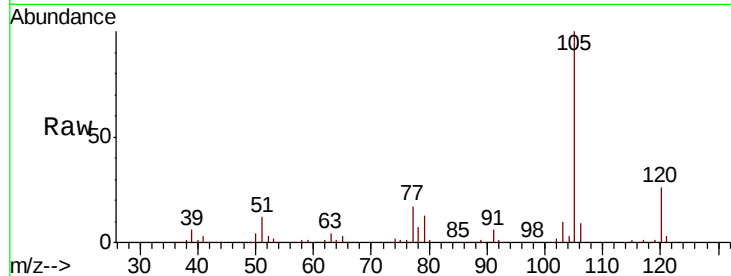
120 25.5 12.8 38.4

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#74

N-ethyl acetate

Concen: 57.286 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Tgt Ion: 43 Resp: 194421

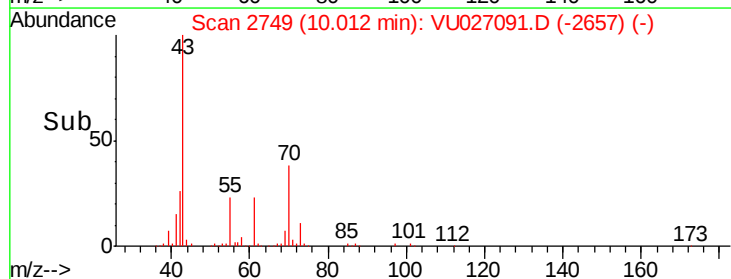
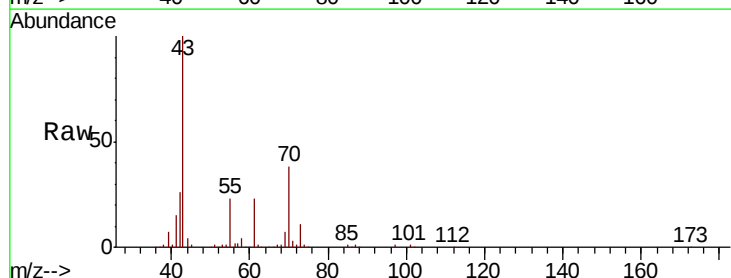
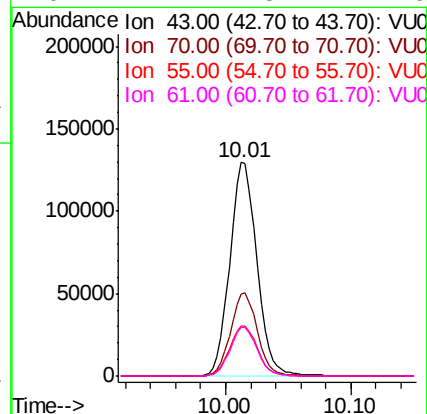
Ion Ratio Lower Upper

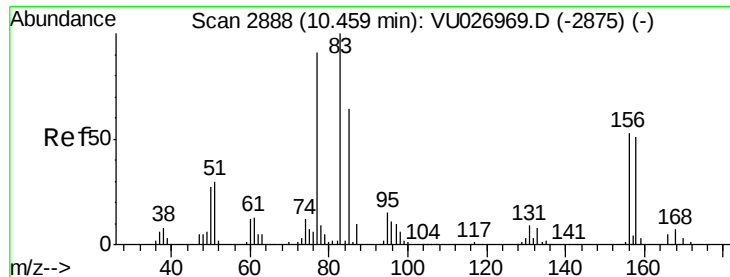
43 100

70 38.6 31.8 47.8

55 24.0 19.9 29.9

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.752 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

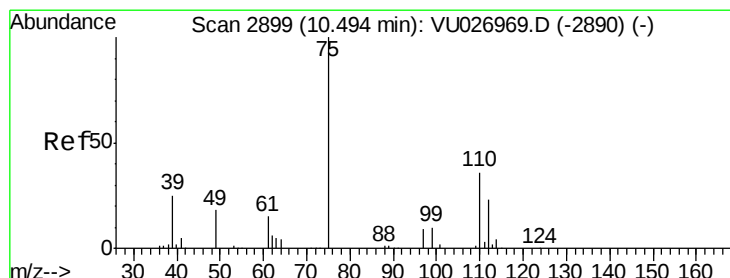
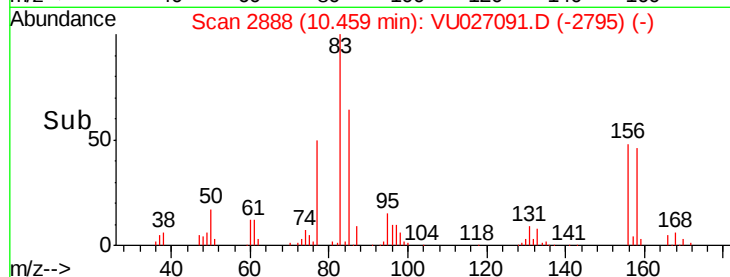
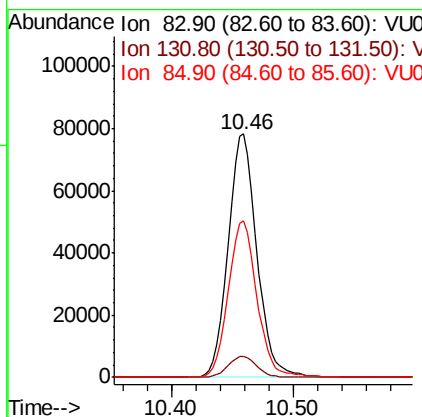
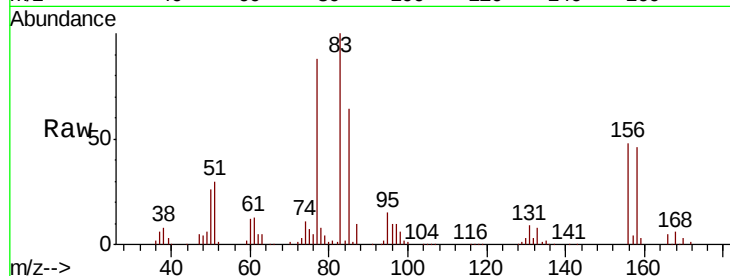
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	128727
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.3	12.8
85	64.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.194 ug/l m

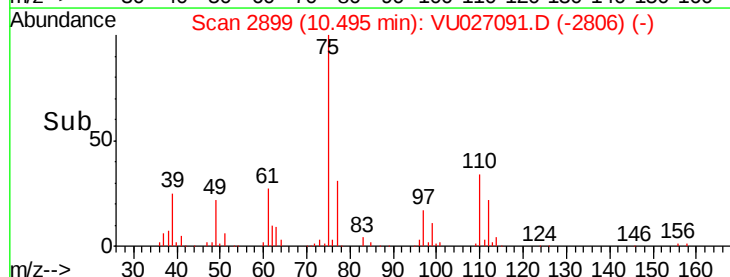
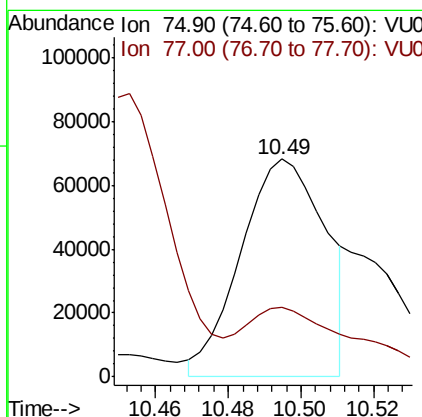
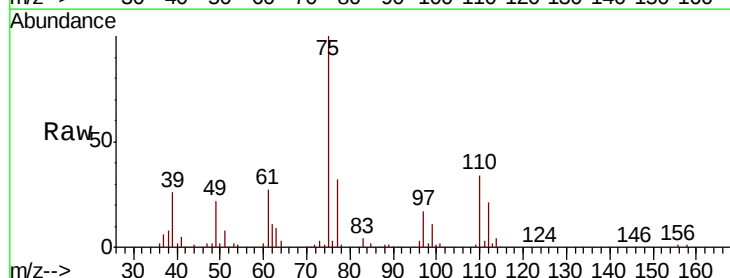
RT: 10.49 min Scan# 2899

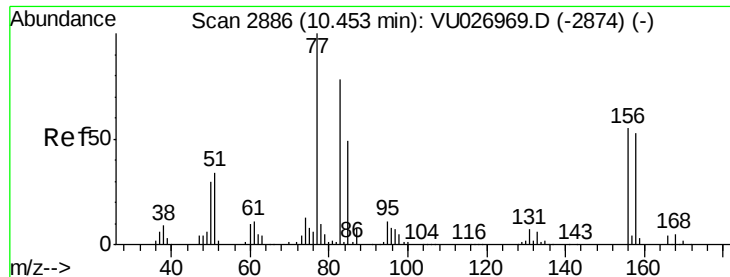
Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Tgt Ion:	75	Resp:	110509
Ion Ratio	Lower	Upper	
75	100		
77	42.8	20.9	62.8





#77

Bromobenzene

Concen: 50.375 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 72176

Ion Ratio Lower Upper

156 100

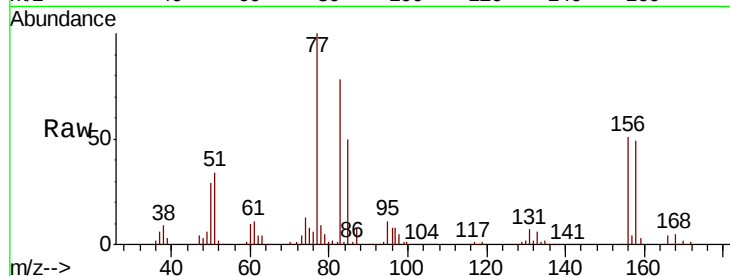
77 198.6 92.3 276.9

158 96.7 48.1 144.3

Manual Integrations
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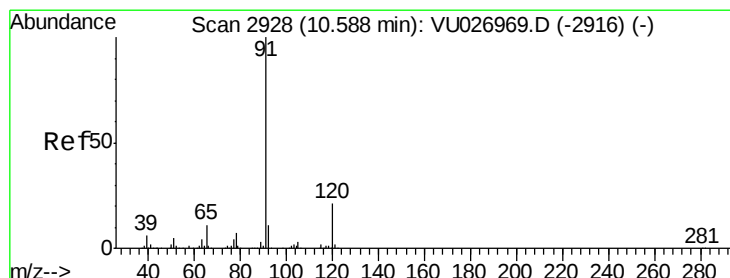
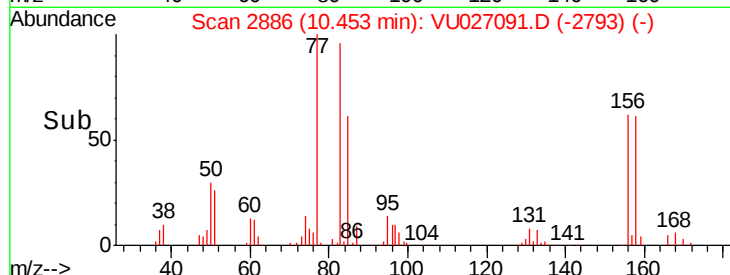
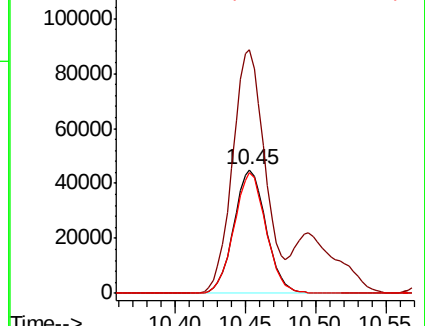
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.362 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027091.D

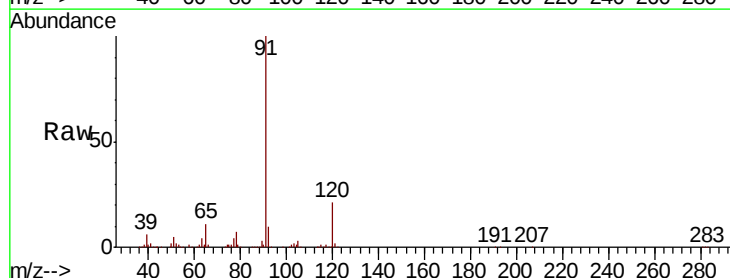
Acq: 23 Sep 2018 22:38

Tgt Ion: 91 Resp: 397950

Ion Ratio Lower Upper

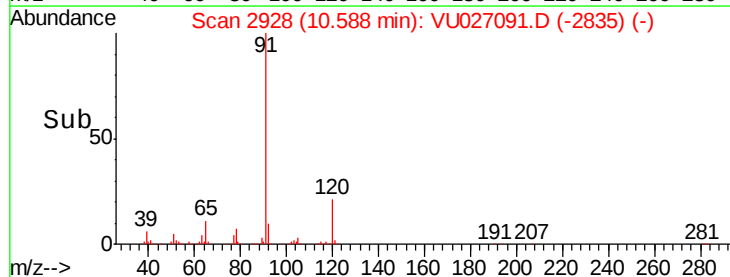
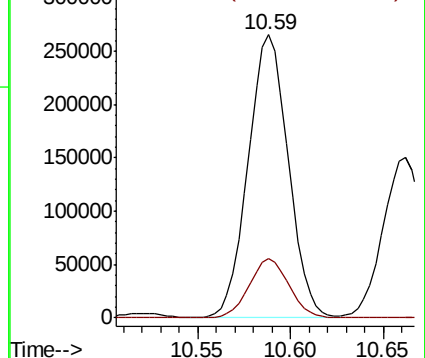
91 100

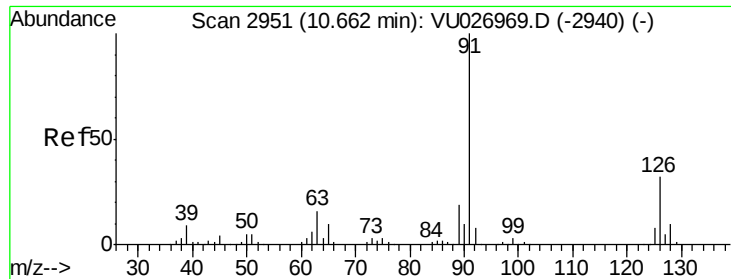
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





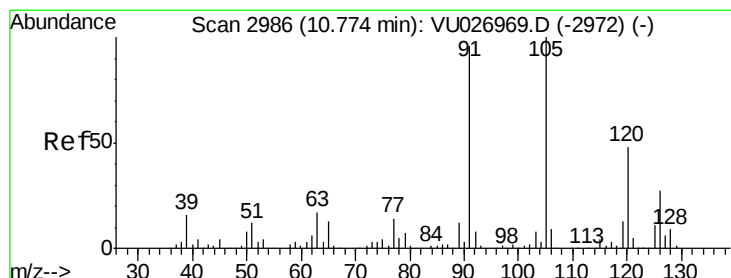
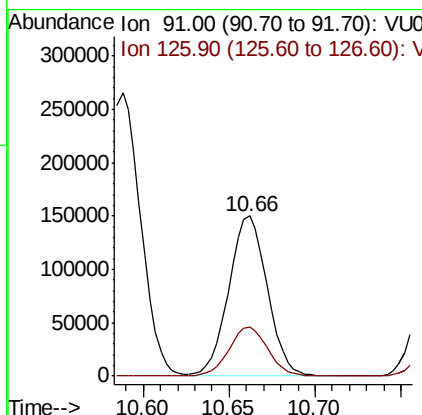
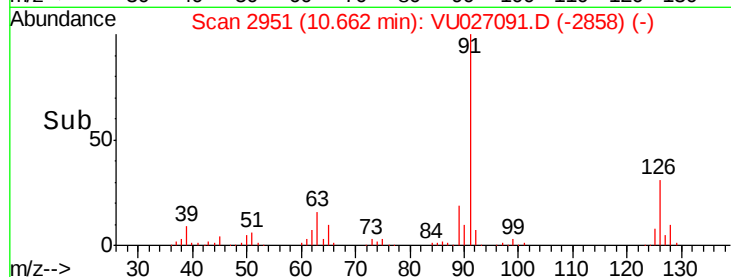
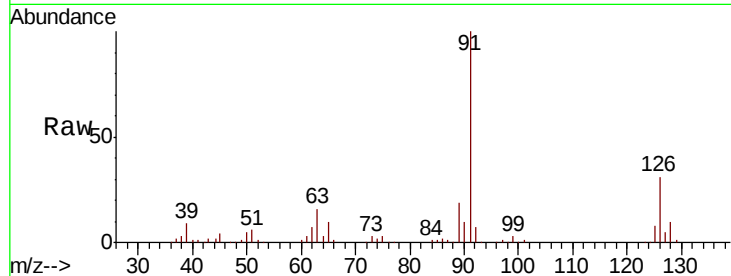
#79
 2-Chlorotoluene
 Concen: 53.539 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 233303
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.8 47.3

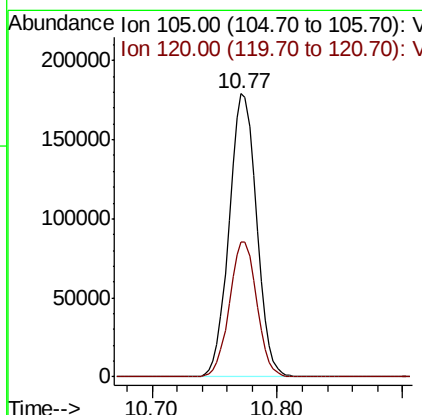
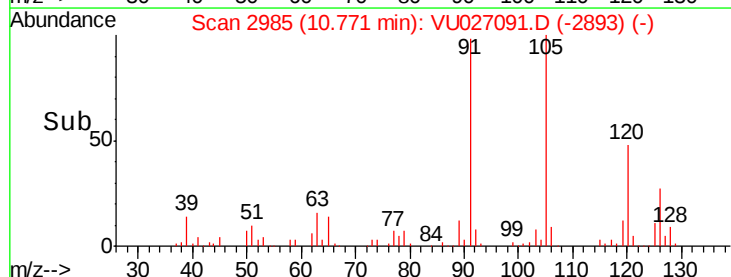
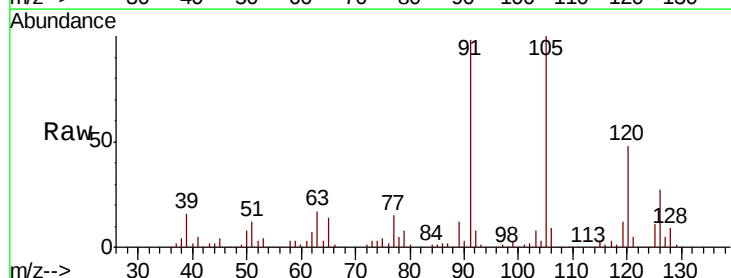
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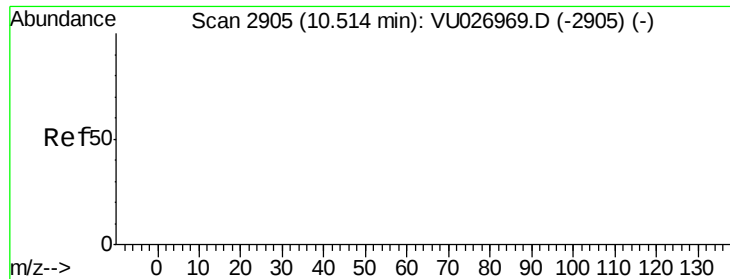
MMDadoda
 9/24/2018 4:40:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 56.283 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion: 105 Resp: 272403
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 49.333 ug/l

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027091.D

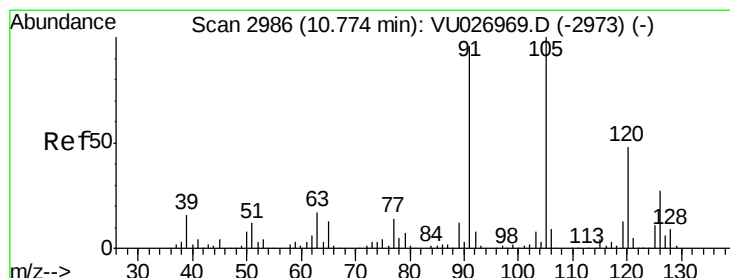
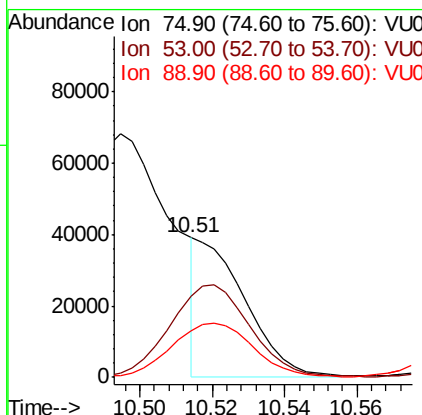
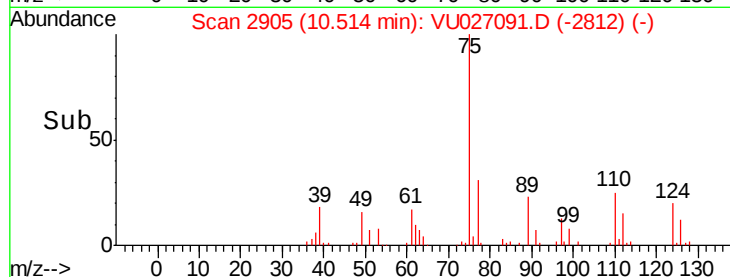
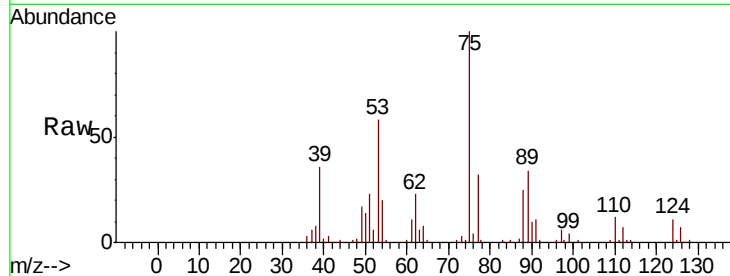
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.896 ug/l

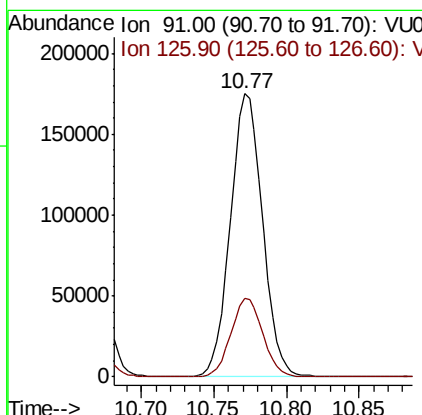
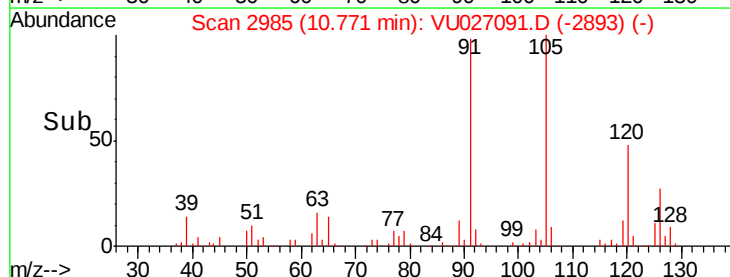
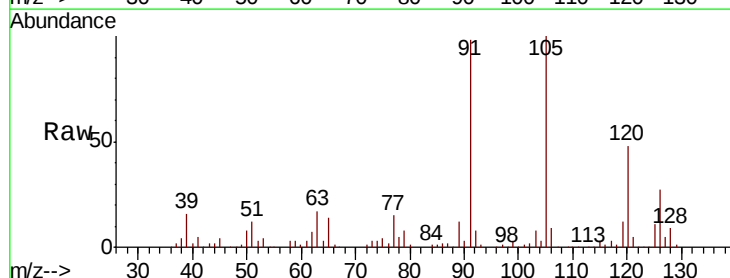
RT: 10.77 min Scan# 2985

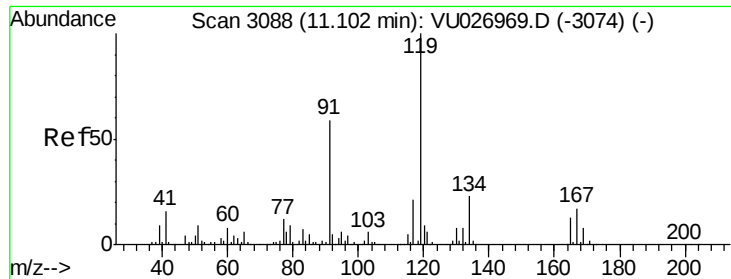
Delta R.T. -0.00 min

Lab File: VU027091.D

Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.2





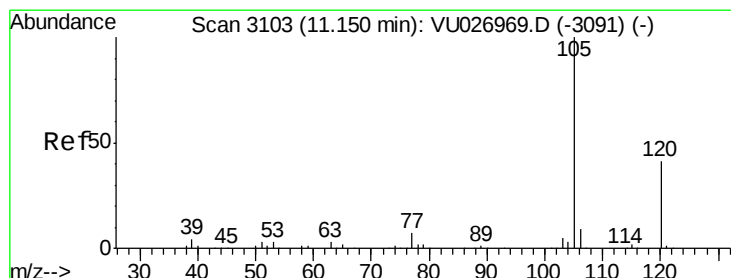
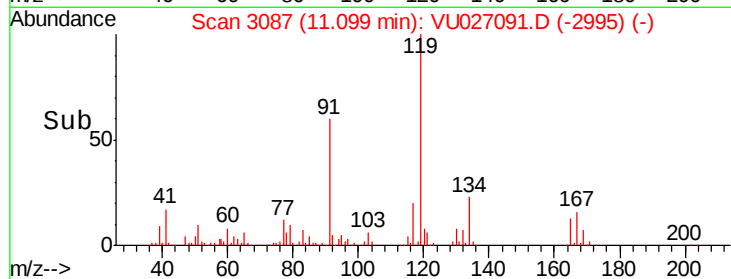
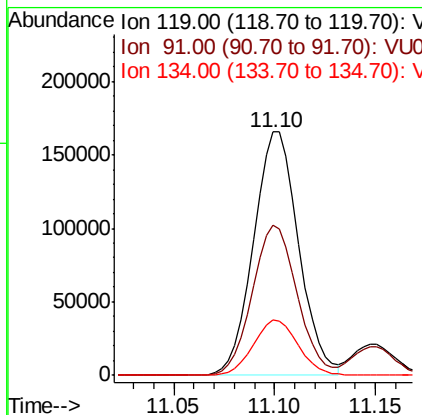
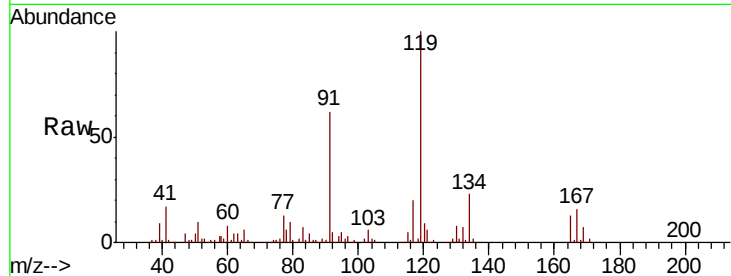
#83
tert-Butylbenzene
Concen: 54.094 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258840		
91	61.3	29.8	89.4	
134	22.5	11.5	34.4	

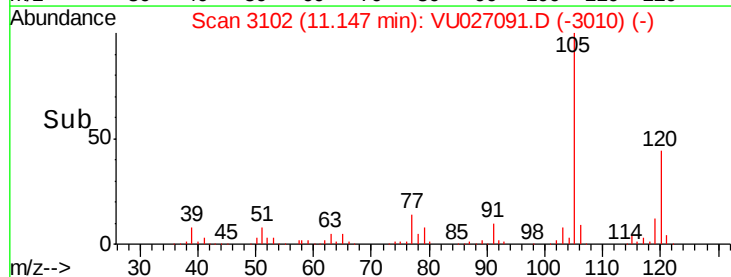
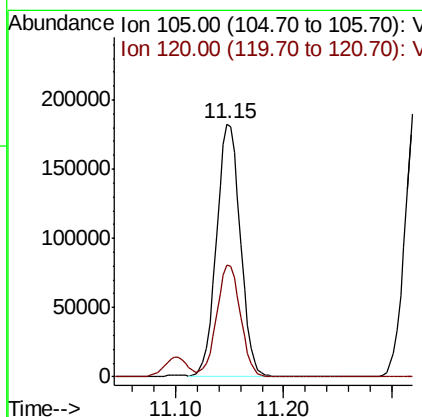
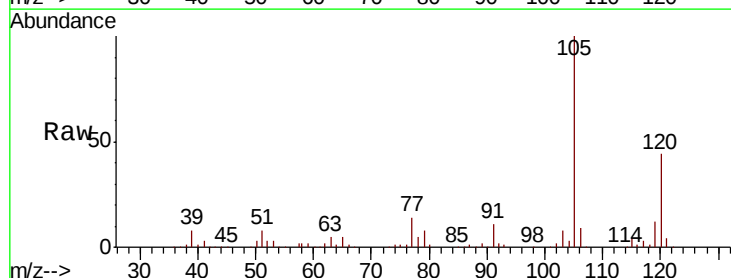
Manual Integrations
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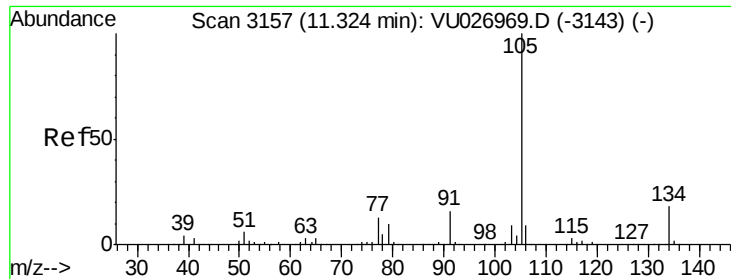
MMDadoda
9/24/2018 4:40:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 56.825 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279892		
120	44.5	22.4	67.2	





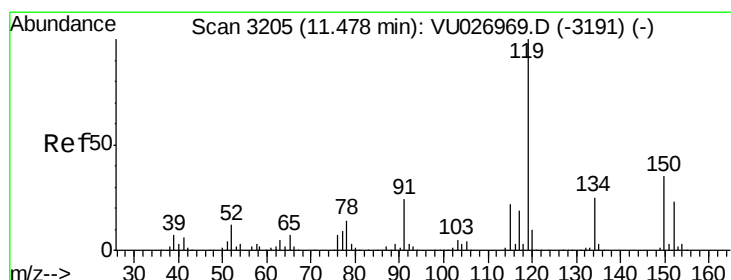
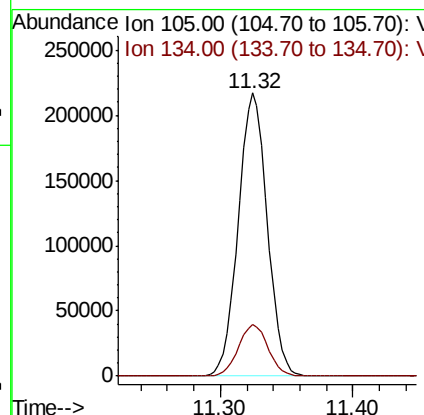
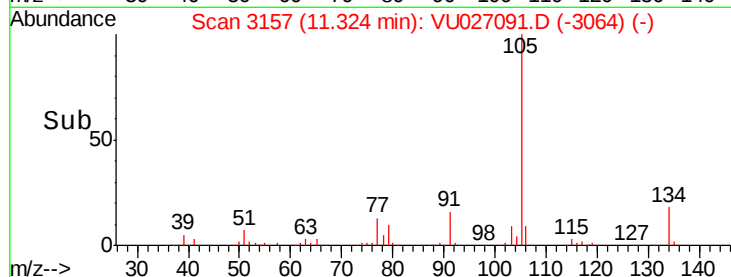
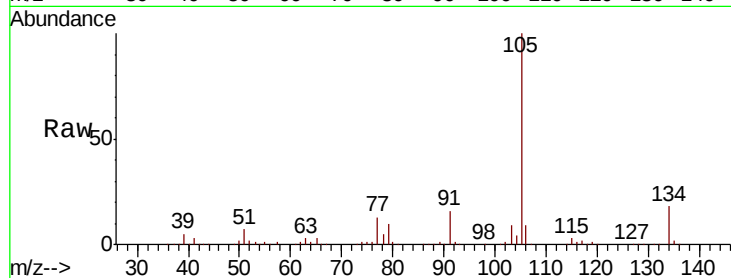
#85
 sec-Butylbenzene
 Concen: 56.363 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.4	28.2

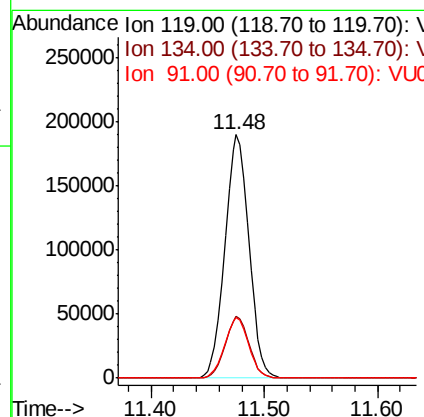
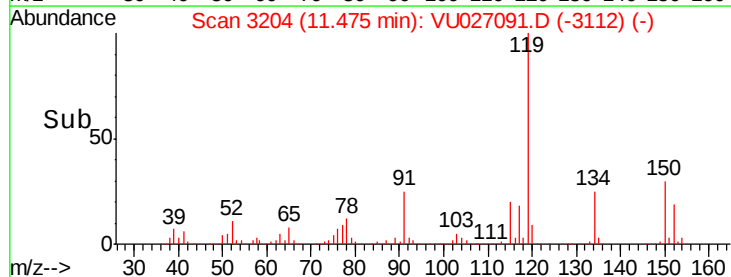
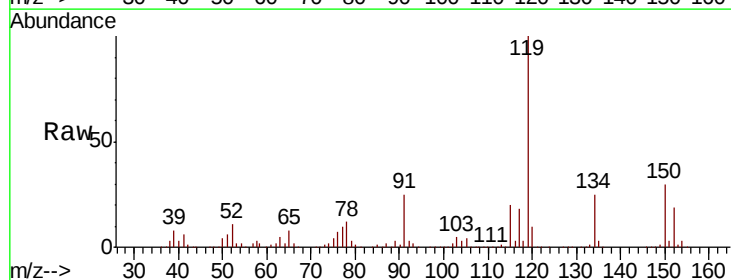
Manual Integrations
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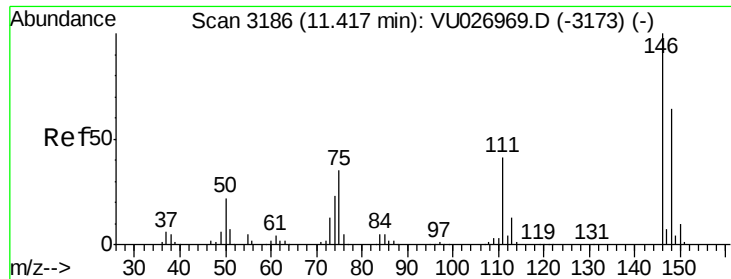
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 9/24/2018 4:40:40 PM



#86
 p-Isopropyltoluene
 Concen: 51.173 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.8	38.3
91	24.9	12.3	36.8





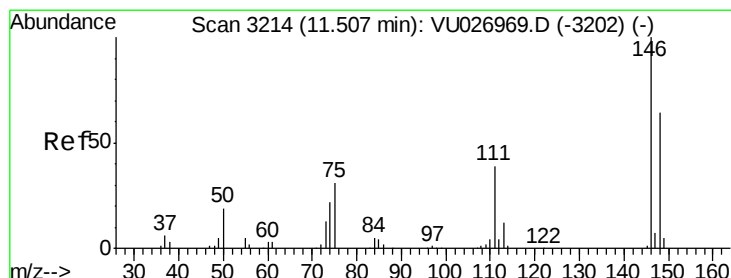
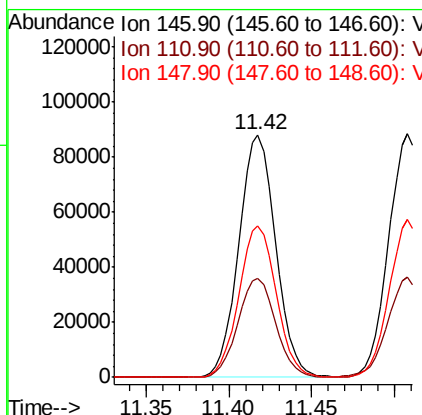
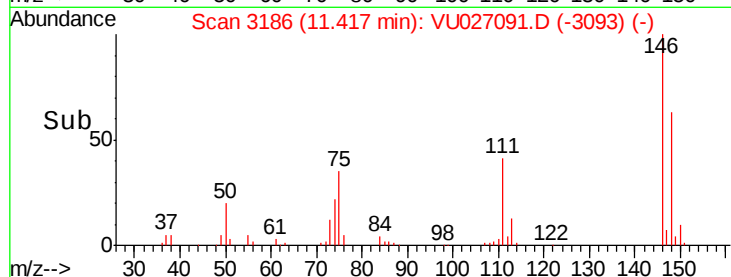
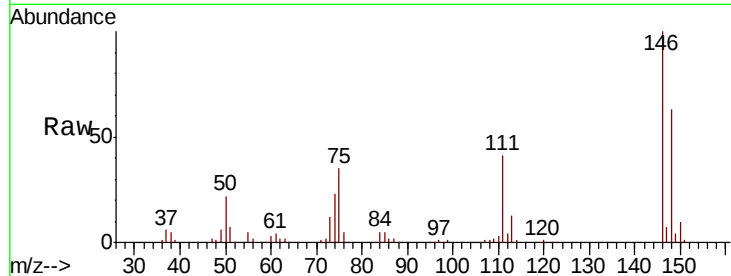
#87
 1,3-Dichlorobenzene
 Concen: 51.337 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	63.1	32.0	96.2

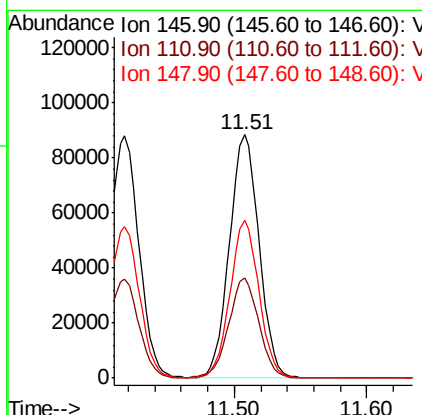
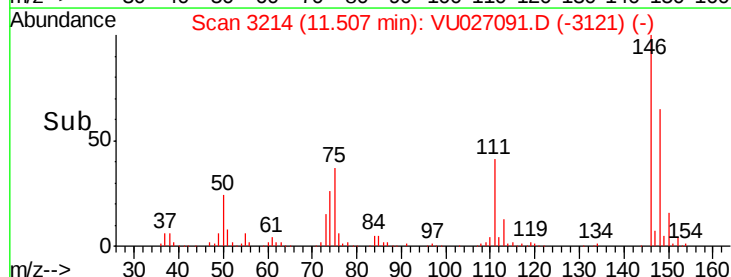
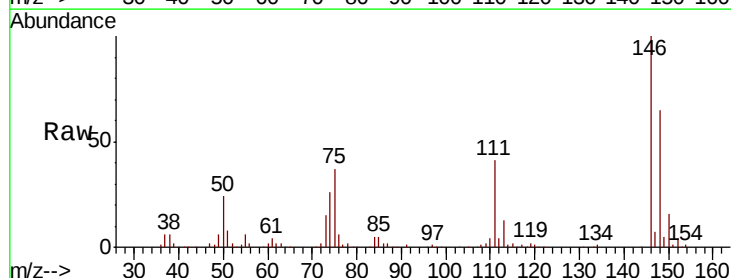
Manual Integrations
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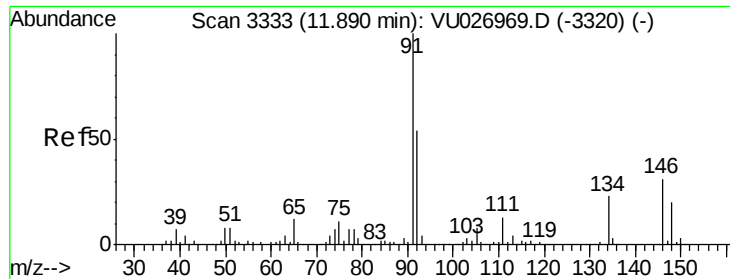
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.346 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.9
148	63.3	31.9	95.9





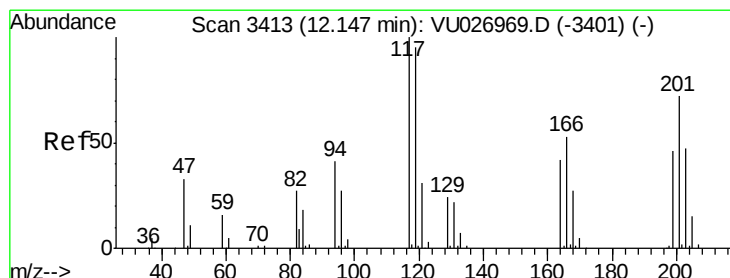
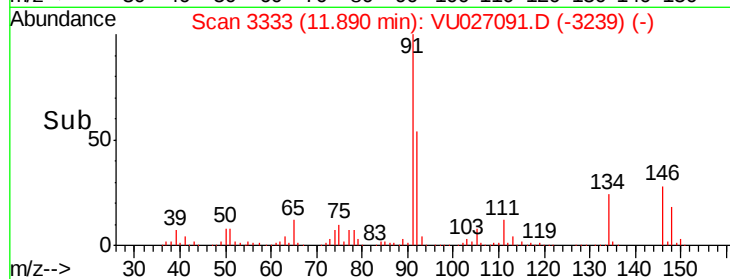
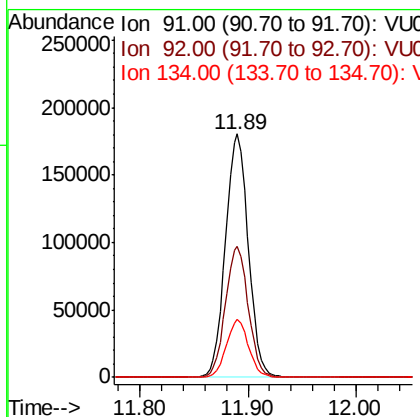
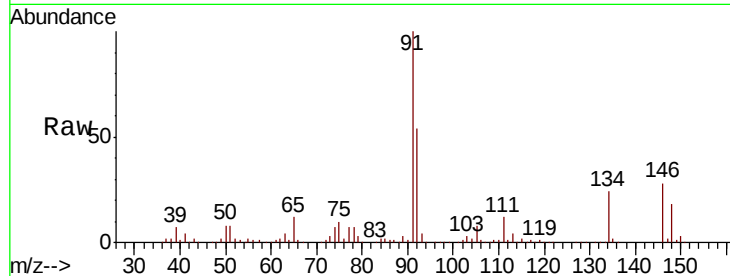
#89
n-Butylbenzene
Concen: 50.006 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	265688		
92	53.6		27.1	81.2
134	23.0		11.7	35.0

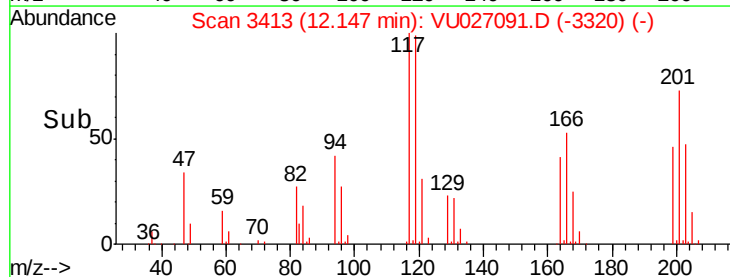
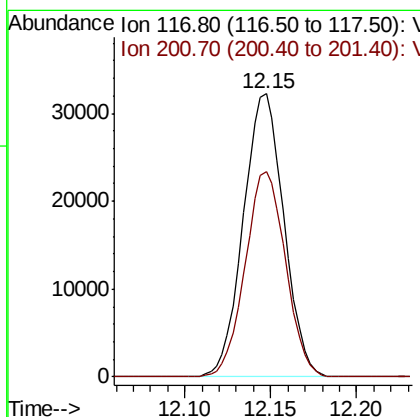
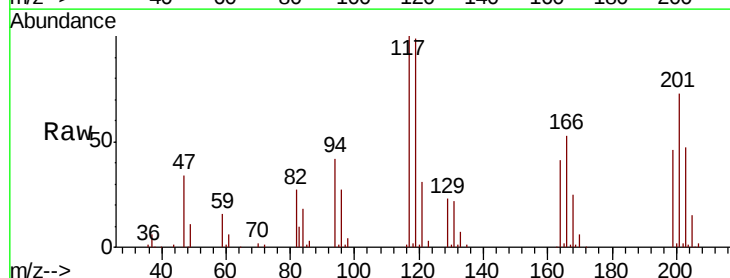
Manual Integrations
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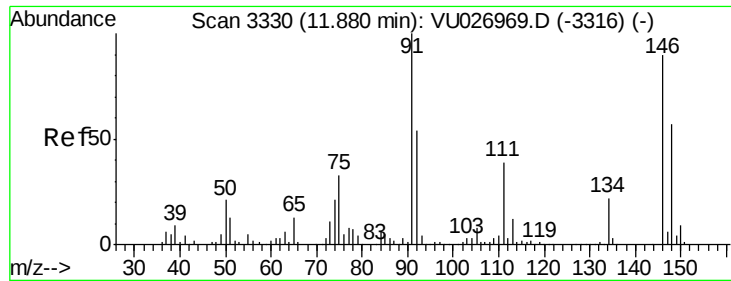
MMDadoda
9/24/2018 4:40:40 PM



#90
Hexachloroethane
Concen: 49.562 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52644		
201	72.3		36.8	110.3





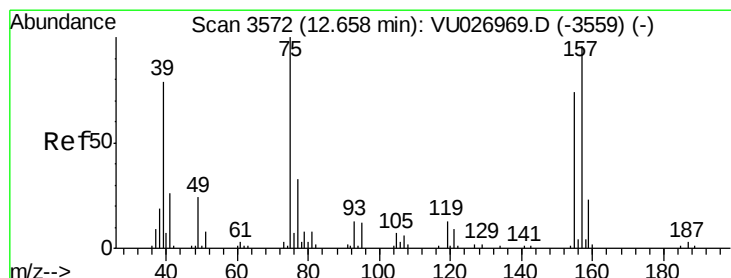
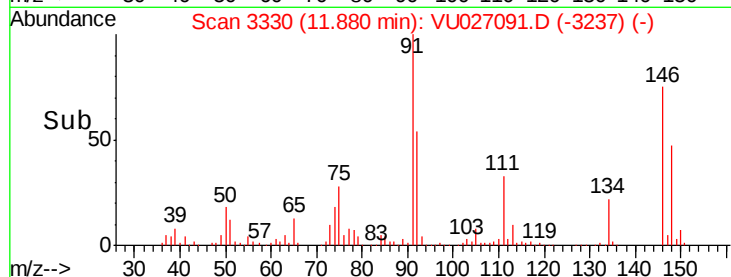
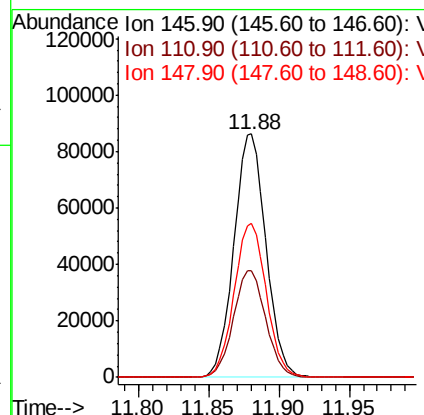
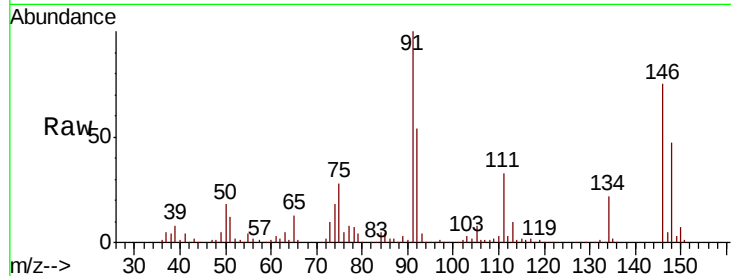
#91
 1,2-Dichlorobenzene
 Concen: 48.327 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.3
148	63.7	31.9	95.7

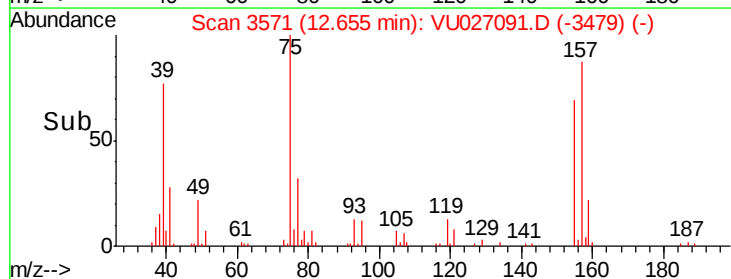
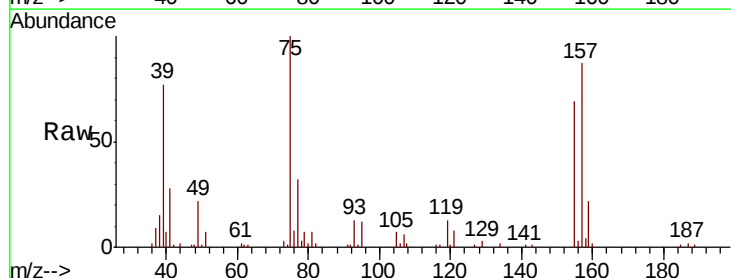
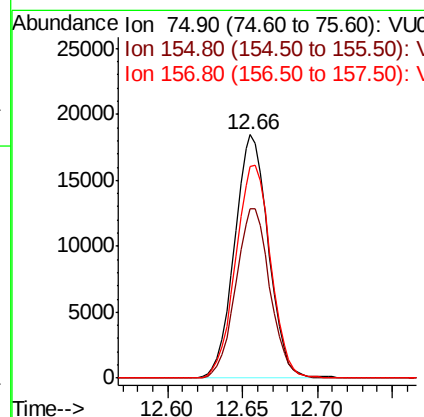
Manual Integrations
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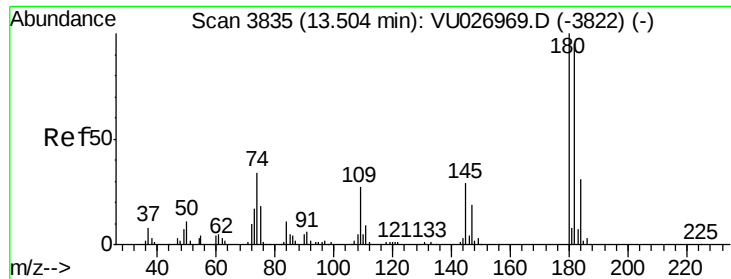
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.922 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	36.6	109.8
157	90.5	47.4	142.2





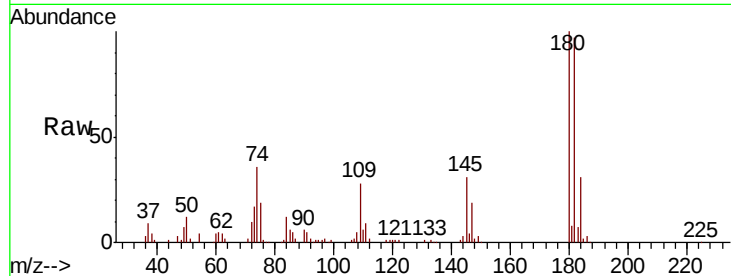
#93
 1,2,4-Trichlorobenzene
 Concen: 55.244 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	30.3	14.9	44.5

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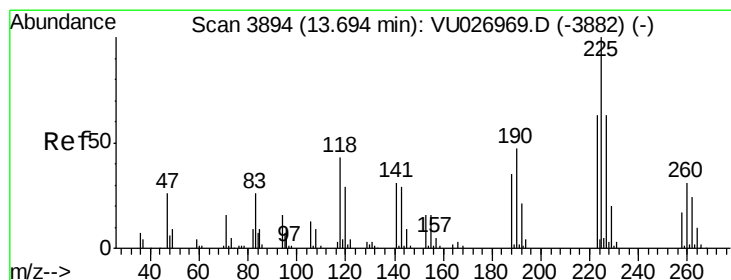
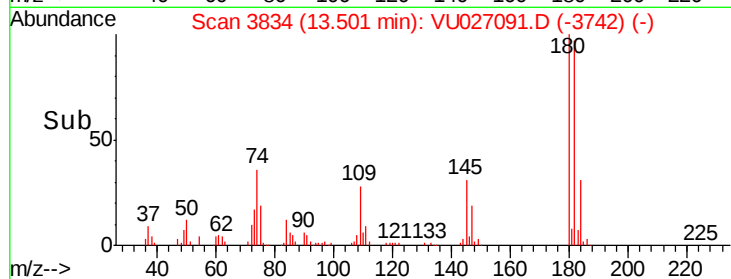
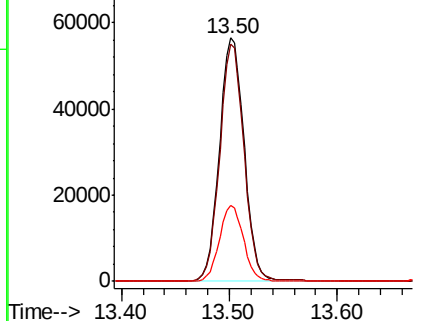


Abundance

Ion 179.80 (179.50 to 180.50): V

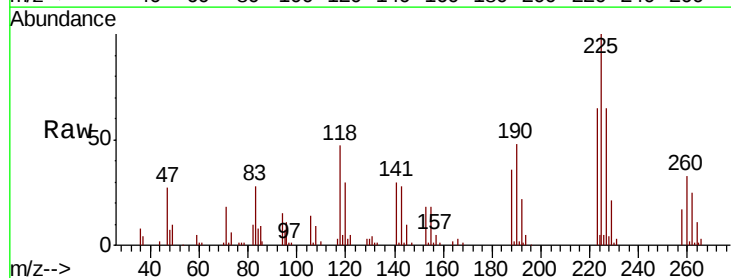
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.197 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027091.D
 Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	64.7	32.1	96.5

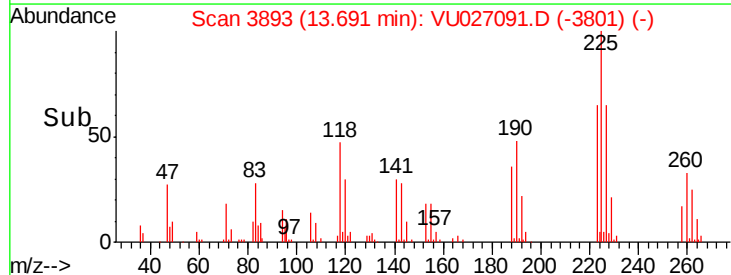
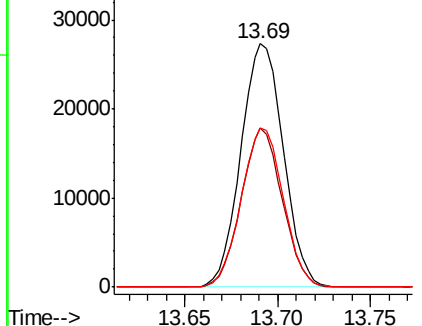


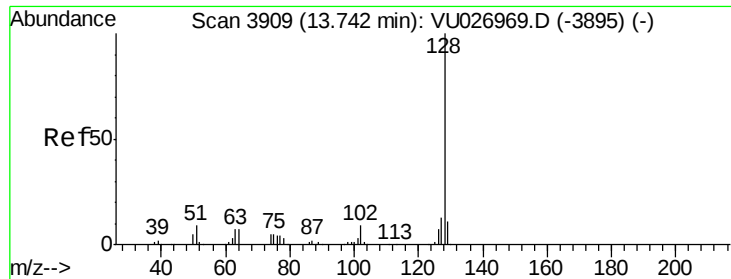
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





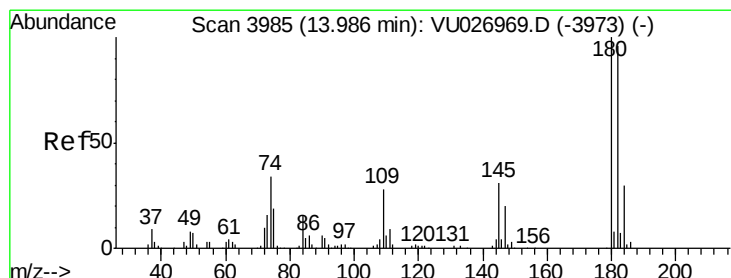
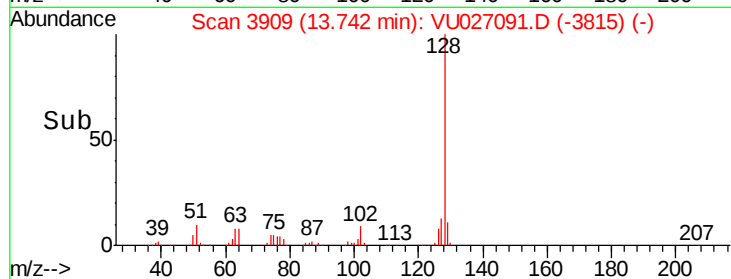
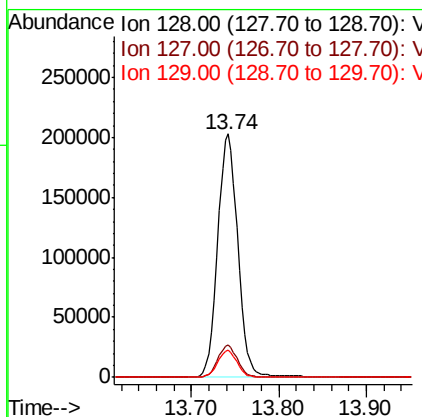
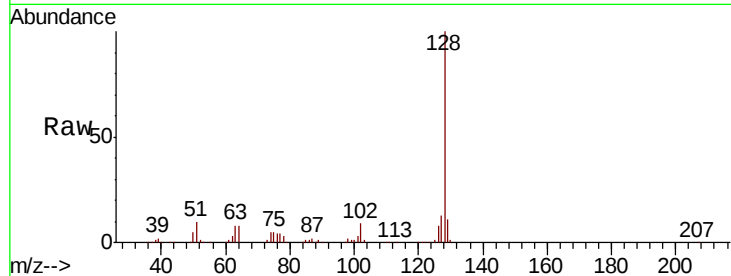
#95
Naphthalene
Concen: 50.938 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.7	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 53.450 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027091.D
Acq: 23 Sep 2018 22:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.5
145	32.3	15.4	46.4

