

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027063.D
 Acq On : 23 Sep 2018 10:20
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 105 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:35 PM

Quant Time: Sep 24 07:10:19 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	4.99	168	82439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	143940	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86258	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
35) Dibromofluoromethane	4.88	113	62290	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	7.57	98	241045	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	10.31	95	86695	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52558	48.830	ug/l	99
3) Chloromethane	1.33	50	86619	46.676	ug/l	99
4) Vinyl Chloride	1.40	62	88415	51.041	ug/l	99
5) Bromomethane	1.62	94	44892	45.509	ug/l	97
6) Chloroethane	1.69	64	56029	50.622	ug/l	99
7) Trichlorofluoromethane	1.88	101	99885	50.770	ug/l	96
8) Diethyl Ether	2.10	74	49396	52.161	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	59862	49.485	ug/l	99
10) Methyl Iodide	2.41	142	61623	41.073	ug/l	100
11) Tert butyl alcohol	2.83	59	100533	264.348	ug/l	99
12) 1,1-Dichloroethene	2.28	96	58432	51.319	ug/l	99
13) Acrolein	2.19	56	50790	247.744	ug/l	99
14) Allyl chloride	2.59	41	127701	55.297	ug/l	96
15) Acrylonitrile	2.94	53	262992	274.374	ug/l	99
16) Acetone	2.32	43	228879	260.376	ug/l	98
17) Carbon Disulfide	2.48	76	186677	50.328	ug/l	100
18) Methyl Acetate	2.61	43	132718	56.198	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	236441	56.509	ug/l	100
20) Methylene Chloride	2.70	84	74228	49.953	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	64510	53.066	ug/l	98
22) Diisopropyl ether	3.57	45	293146	59.347	ug/l	97
23) Vinyl Acetate	3.53	43	1254663	297.980	ug/l	98
24) 1,1-Dichloroethane	3.45	63	147266	54.132	ug/l	100
25) 2-Butanone	4.26	43	374529	268.597	ug/l	100
26) 2,2-Dichloropropane	4.23	77	78440	36.971	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	74281	54.106	ug/l	99
28) Bromochloromethane	4.55	49	78312	59.716	ug/l	94
29) Tetrahydrofuran	4.64	42	245142	290.621	ug/l	97
30) Chloroform	4.67	83	133291	52.783	ug/l	100
31) Cyclohexane	5.00	56	136814	55.386	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	109482	54.300	ug/l	99
36) 1,1-Dichloropropene	5.14	75	99496	51.793	ug/l	99
37) Ethyl Acetate	4.38	43	138148	53.122	ug/l	99
38) Carbon Tetrachloride	5.14	117	92860	50.795	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	114110	54.660	ug/l	98
40) Benzene	5.39	78	299008	51.201	ug/l	100
41) Methacrylonitrile	4.54	41	79121	58.582	ug/l	97
42) 1,2-Dichloroethane	5.40	62	115676	52.427	ug/l	99
43) Isopropyl Acetate	5.55	43	214220	56.483	ug/l	99
44) Trichloroethene	6.19	130	64089	51.549	ug/l	99
45) 1,2-Dichloropropane	6.43	63	89456	53.760	ug/l	97
46) Dibromomethane	6.56	93	51728	51.472	ug/l	98
47) Bromodichloromethane	6.76	83	105193	51.766	ug/l	98
48) Methyl methacrylate	6.62	41	110228	53.330	ug/l	99
49) 1,4-Dioxane	6.61	88	38869	948.043	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	731156	286.641	ug/l	100
52) Toluene	7.64	92	183424	54.795	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	116790	53.492	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	126435	52.668	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	74590	52.587	ug/l	100
56) Ethyl methacrylate	8.02	69	126683	51.410	ug/l	97
57) 1,3-Dichloropropane	8.24	76	140653	53.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	356901	255.424	ug/l	98
59) 2-Hexanone	8.36	43	558994	279.960	ug/l	100
60) Dibromochloromethane	8.48	129	74586	53.609	ug/l	100
61) 1,2-Dibromoethane	8.59	107	76067	51.543	ug/l	99
64) Tetrachloroethene	8.23	164	55024	50.592	ug/l	99
65) Chlorobenzene	9.12	112	186882	49.936	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	67472	52.343	ug/l	98
67) Ethyl Benzene	9.25	91	343698	55.849	ug/l	99
68) m/p-Xylenes	9.38	106	255922	102.645	ug/l	99
69) o-Xylene	9.78	106	123073	56.444	ug/l	98
70) Styrene	9.79	104	205827	50.536	ug/l	99
71) Bromoform	9.96	173	53314	53.484	ug/l	# 98
73) Isopropylbenzene	10.17	105	334294	56.303	ug/l	99
74) N-amyl acetate	10.01	43	198630	57.795	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	130769	47.903	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	113374m	47.812	ug/l	
77) Bromobenzene	10.45	156	73789	50.857	ug/l	94
78) n-propylbenzene	10.59	91	404297	57.549	ug/l	99
79) 2-Chlorotoluene	10.66	91	237837	53.897	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	279221	56.970	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	33497m	45.207	ug/l	
82) 4-Chlorotoluene	10.77	91	274444	55.466	ug/l	99
83) tert-Butylbenzene	11.10	119	263878	54.457	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	285160	57.170	ug/l	99
85) sec-Butylbenzene	11.32	105	338390	57.209	ug/l	100
86) p-Isopropyltoluene	11.48	119	286552	51.598	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	138567	51.321	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	141733	48.165	ug/l	99
89) n-Butylbenzene	11.89	91	266833	49.614	ug/l	100
90) Hexachloroethane	12.14	117	53995	50.199	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	139217	48.541	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28541	51.250	ug/l	98

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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	92313	55.854	ug/l	98
94) Hexachlorobutadiene	13.69	225	43048	49.226	ug/l	99
95) Naphthalene	13.74	128	335415	51.841	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	97824	55.193	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 82439

Ion Ratio Lower Upper

168 100

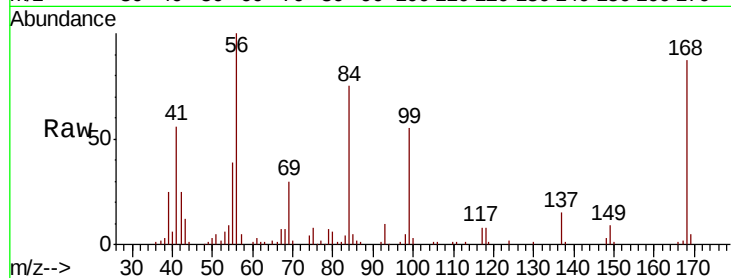
99 62.4 48.1 72.1

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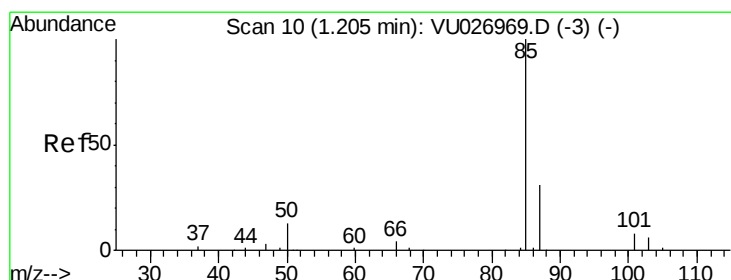
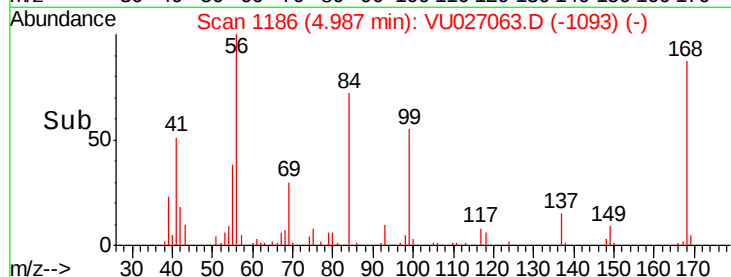
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.830 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027063.D

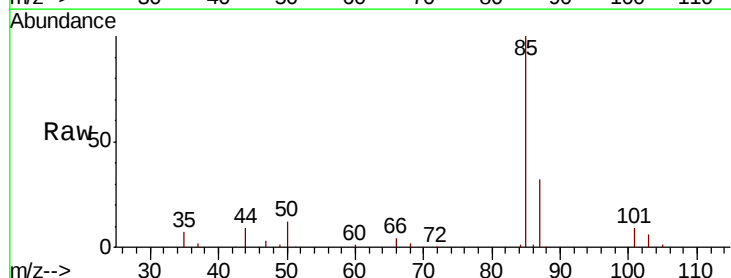
Acq: 23 Sep 2018 10:20

Tgt Ion: 85 Resp: 52558

Ion Ratio Lower Upper

85 100

87 31.7 15.6 46.7



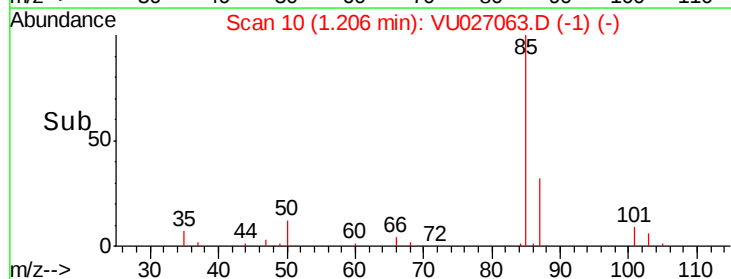
Abundance Ion 84.90 (84.60 to 85.60): VU026969.D (-3) (-)

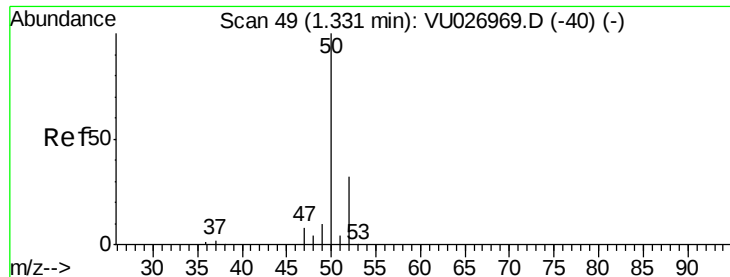
Ion 86.90 (86.60 to 87.60): VU026969.D (-3) (-)

1.21

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.676 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 86619

Ion Ratio Lower Upper

50 100

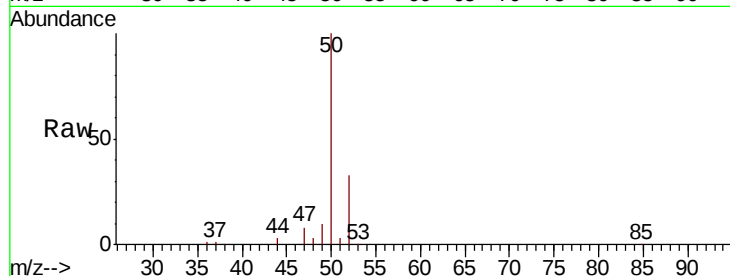
52 32.8 25.9 38.9

Manual Integrations

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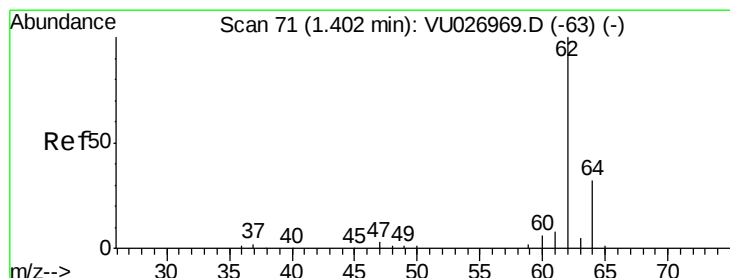
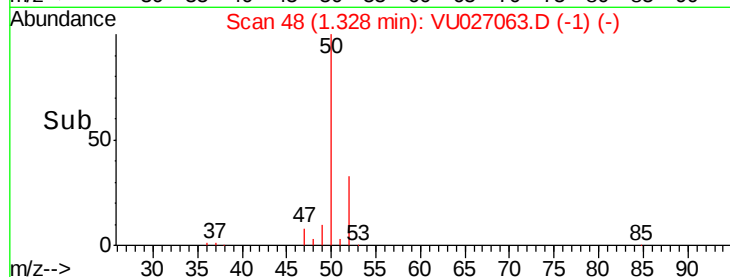
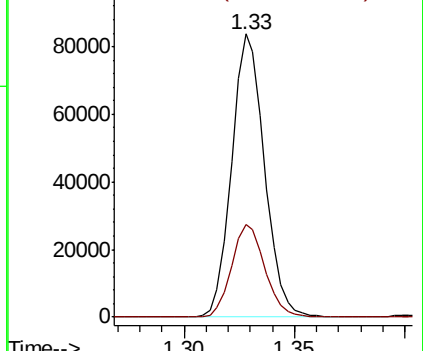
MMDadoda

9/24/2018 4:40:35 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.041 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027063.D

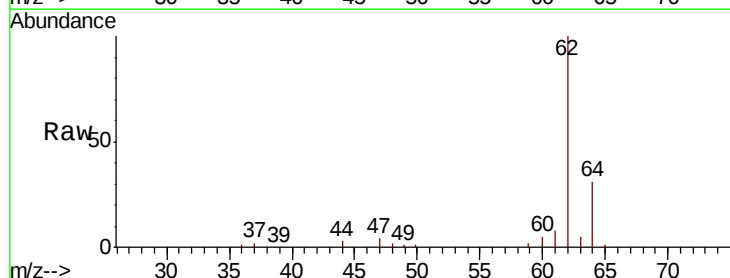
Acq: 23 Sep 2018 10:20

Tgt Ion: 62 Resp: 88415

Ion Ratio Lower Upper

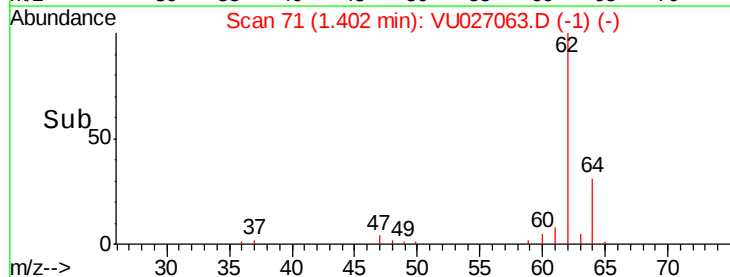
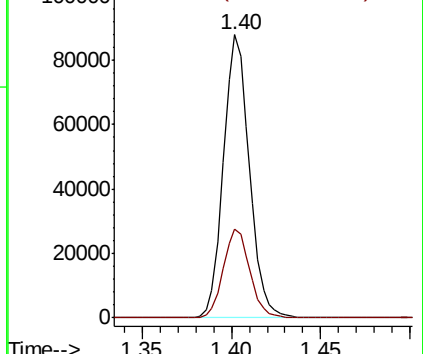
62 100

64 31.3 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: 45.509 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44892

Ion Ratio Lower Upper

94 100

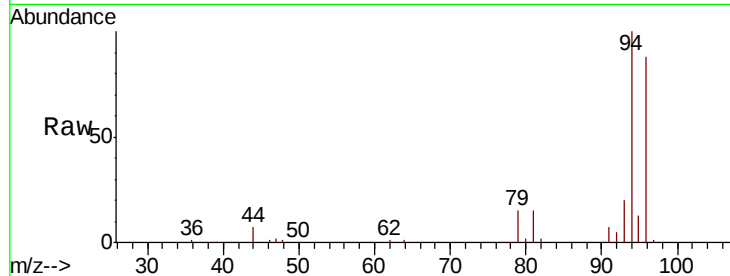
96 88.3 73.2 109.8

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): VU027063.D (-45) (-)

1.62

40000

30000

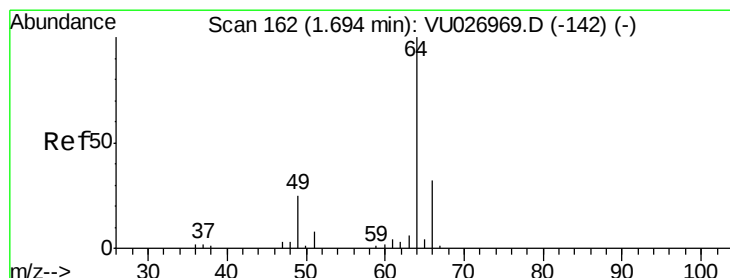
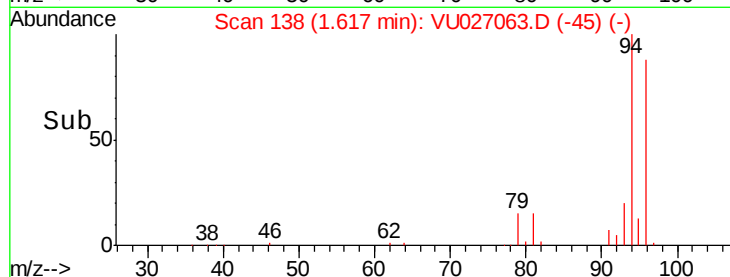
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 50.622 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027063.D

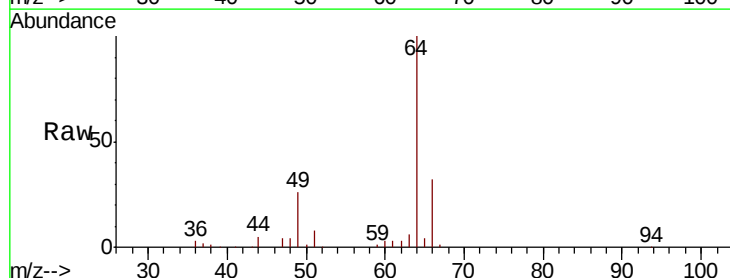
Acq: 23 Sep 2018 10:20

Tgt Ion: 64 Resp: 56029

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



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

Ion 65.90 (65.60 to 66.60): VU027063.D (-69) (-)

1.69

40000

30000

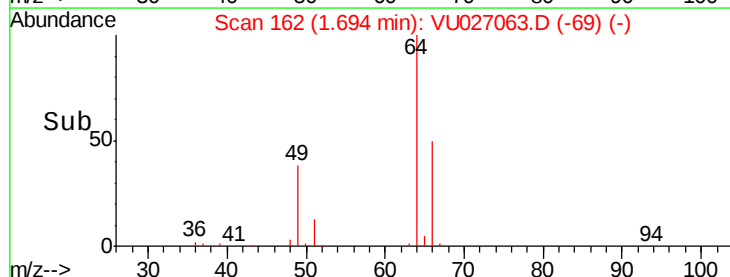
20000

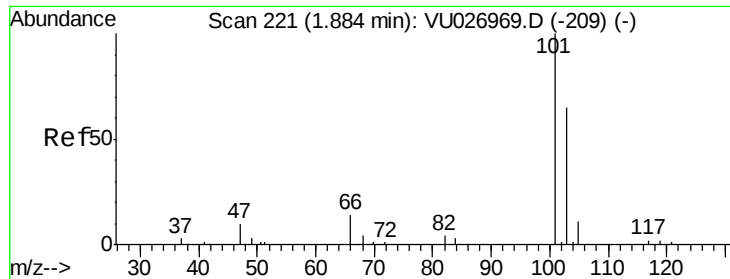
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0

1.60 1.65 1.70 1.75 1.80

Time-->





#7

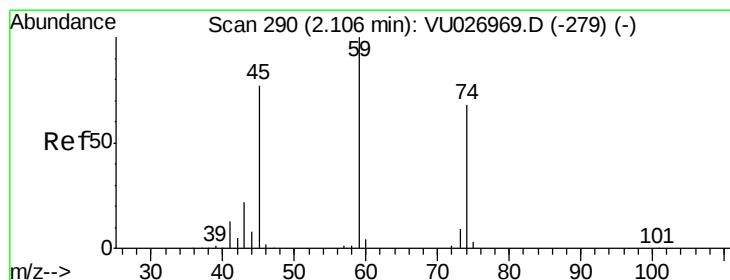
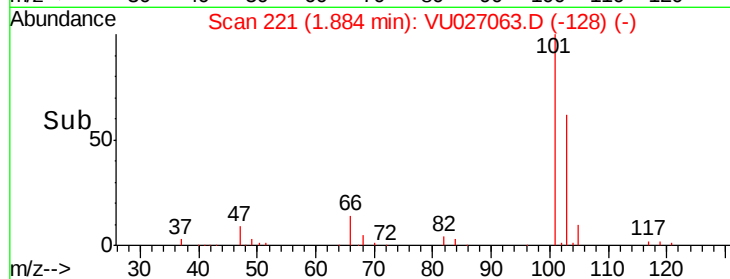
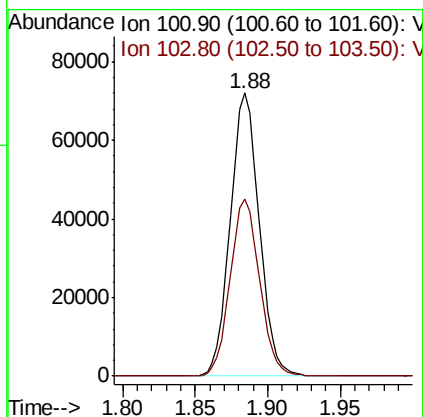
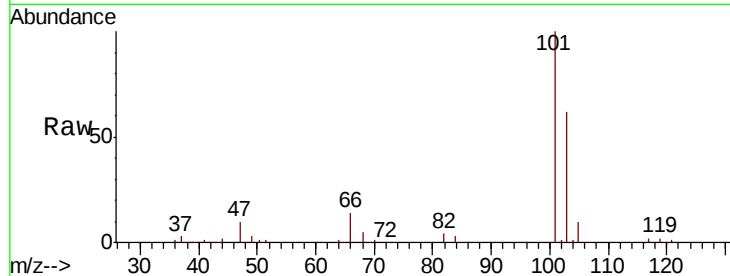
Trichlorofluoromethane
 Concen: 50.770 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		99885		
103	62.4	52.2	78.2		

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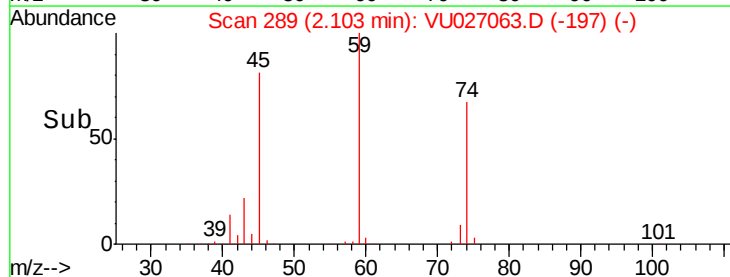
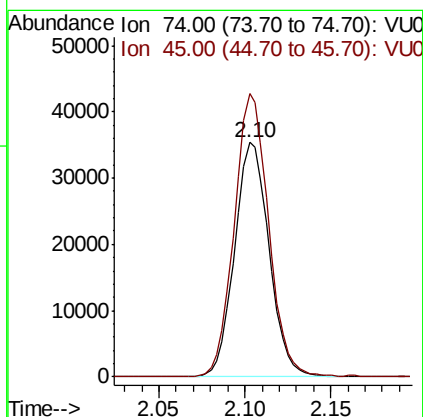
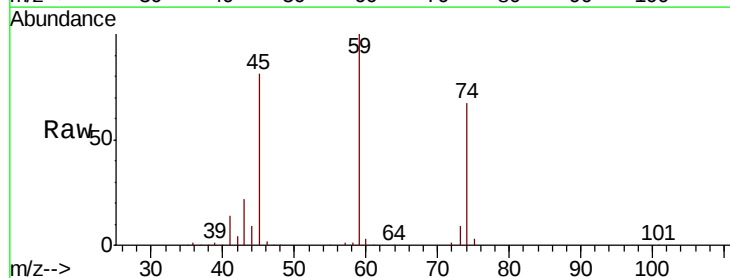
MMDadoda
 9/24/2018 4:40:35 PM



#8

Diethyl Ether
 Concen: 52.161 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		49396		
45	120.0	56.9	170.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.485 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

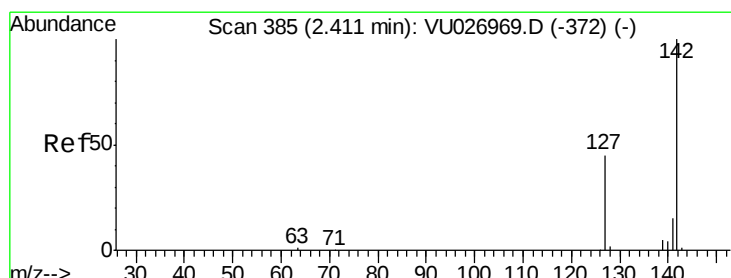
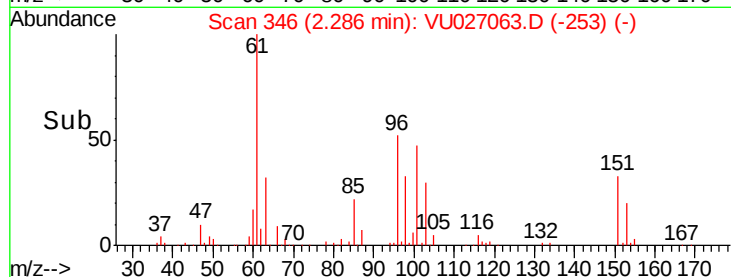
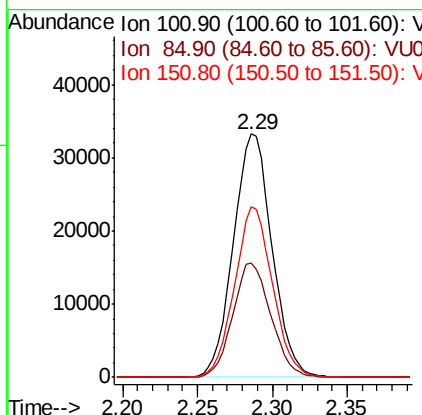
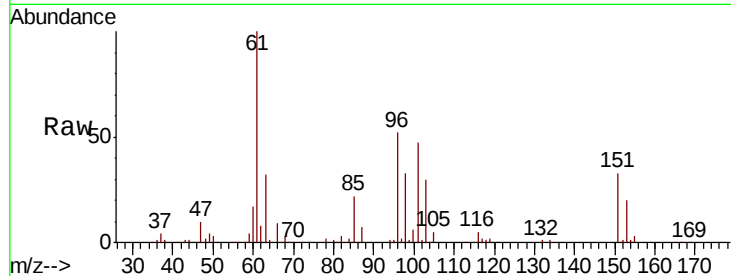
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	59862
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.2	54.2
151	68.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 41.073 ug/l

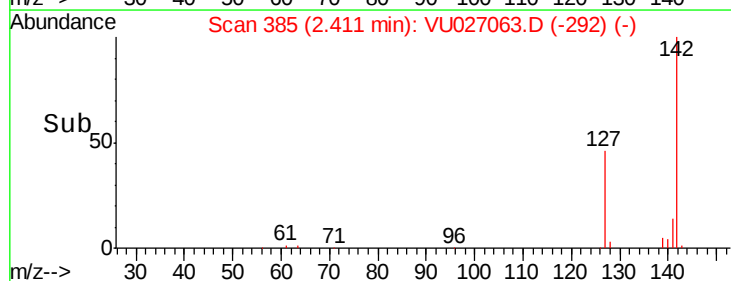
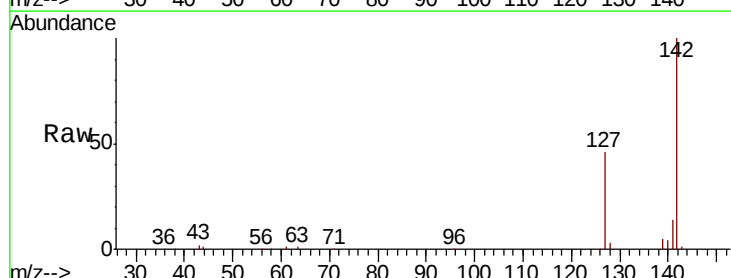
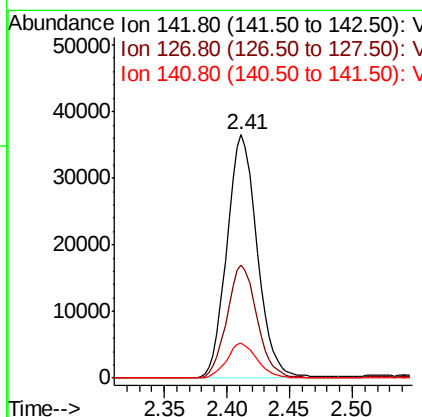
RT: 2.41 min Scan# 385

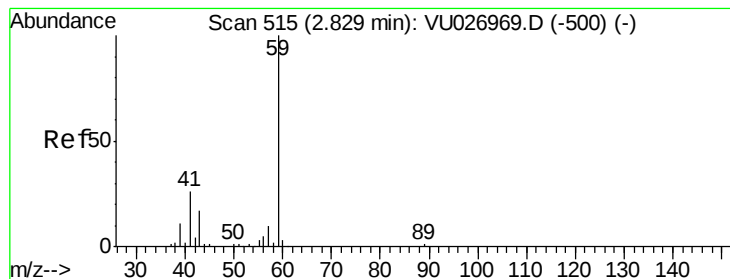
Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Tgt Ion:	142	Resp:	61623
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.4	11.8	17.6





#11

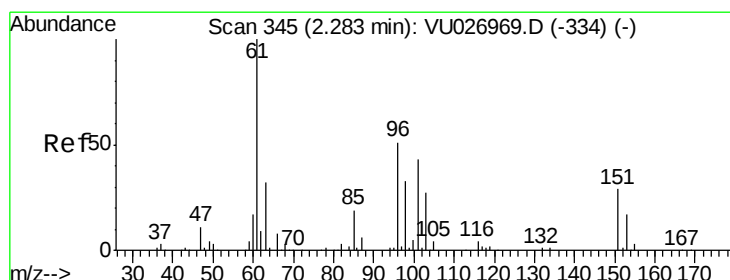
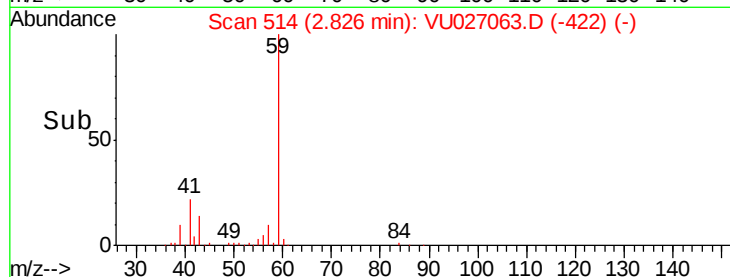
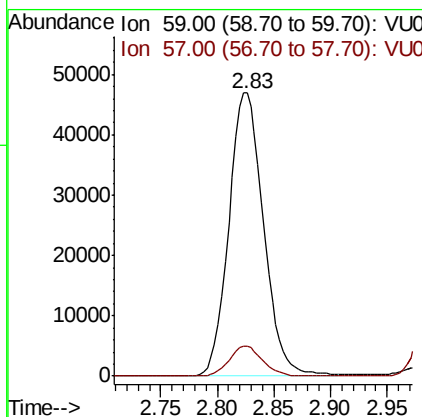
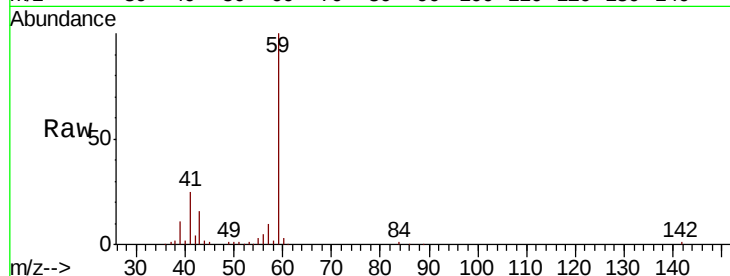
Tert butyl alcohol
 Concen: 264.348 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	100533
Ion Ratio	59	100	
Lower	57	10.1	8.5
Upper			12.7

Manual Integrations
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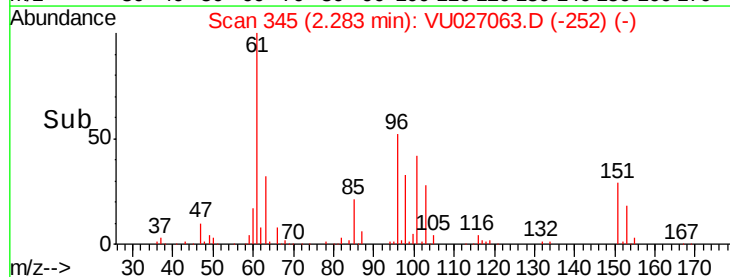
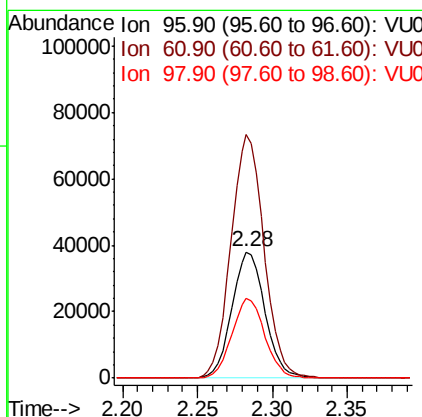
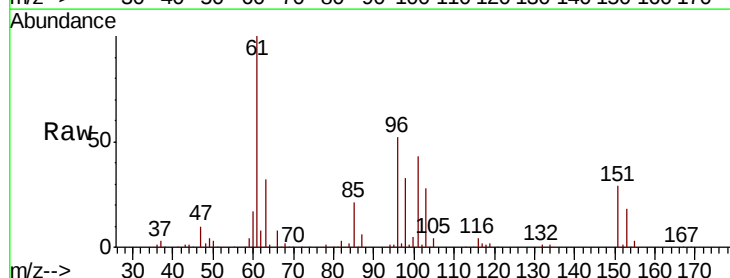
MMDadoda
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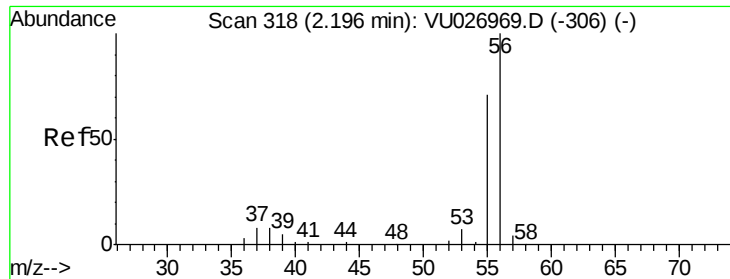


#12

1,1-Dichloroethene
 Concen: 51.319 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	96	Resp	58432
Ion Ratio	96	100	
Lower	61	193.3	156.1
Upper	98	63.2	51.4
			77.0





#13

Acrolein

Concen: 247.744 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 50790

Ion Ratio Lower Upper

56 100

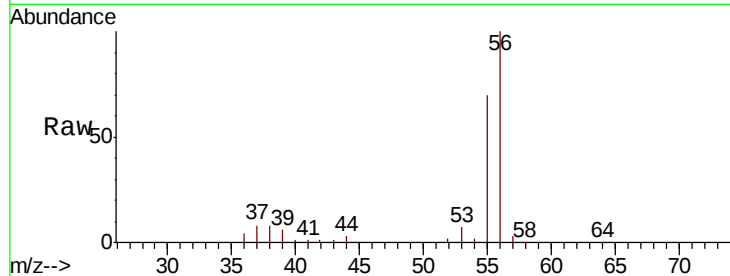
55 70.2 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-306) (-)

Ion 55.00 (54.70 to 55.70): VU026969.D (-306) (-)

2.19

30000

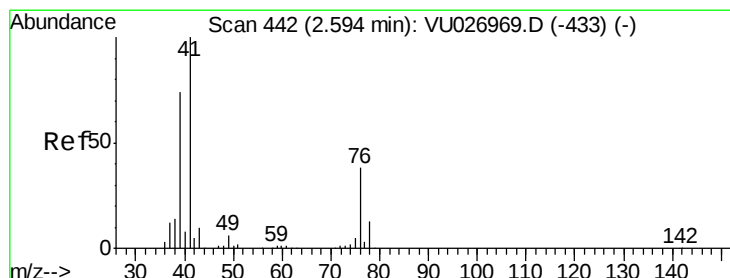
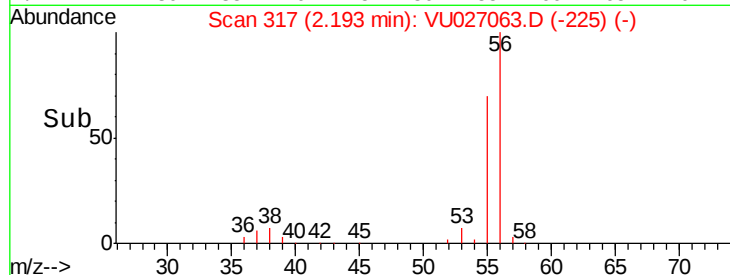
20000

10000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 55.297 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

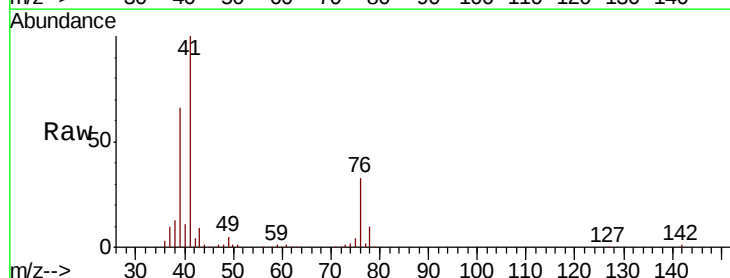
Tgt Ion: 41 Resp: 127701

Ion Ratio Lower Upper

41 100

39 65.3 55.7 83.5

76 33.0 26.5 39.7



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.59

100000

80000

60000

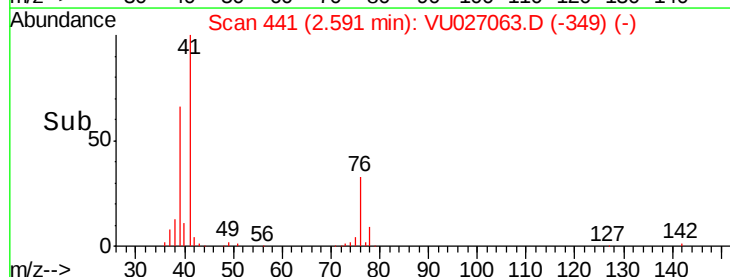
40000

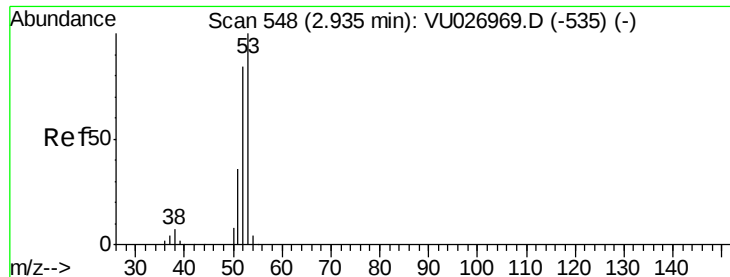
20000

0

Time-->

2.55 2.60 2.65 2.70





#15

Acrylonitrile

Concen: 274.374 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

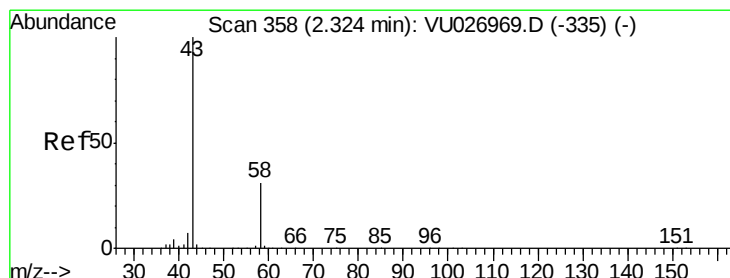
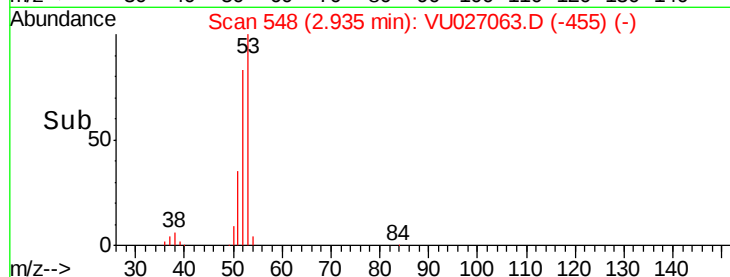
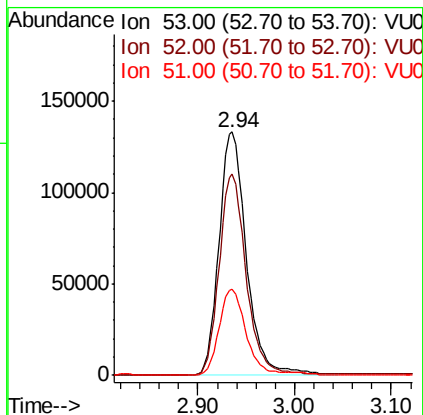
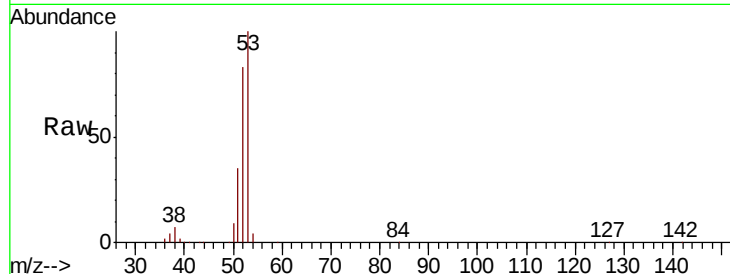
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	262992
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.7	98.5
51	35.6	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 260.376 ug/l

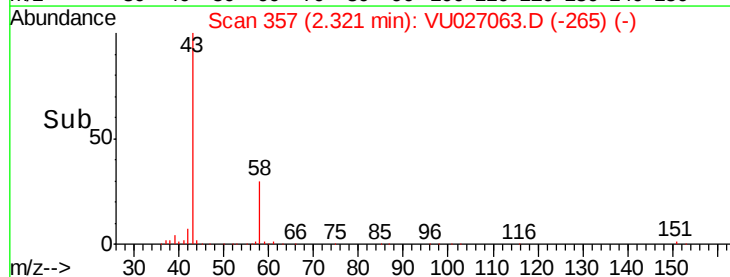
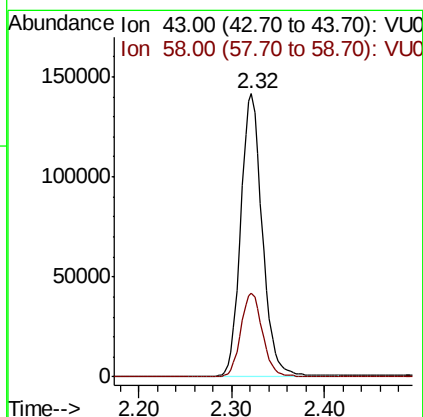
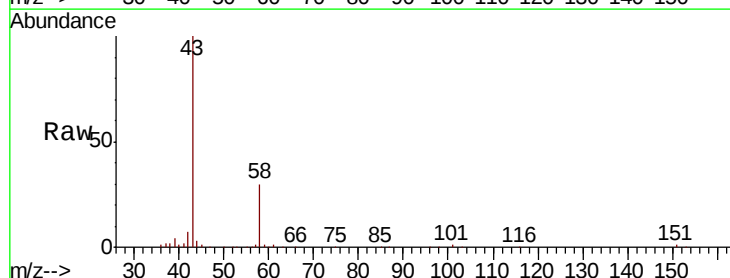
RT: 2.32 min Scan# 357

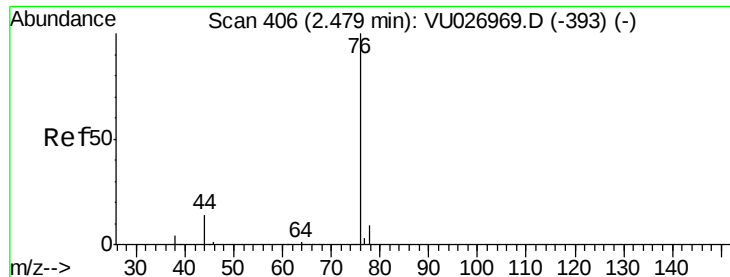
Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Tgt Ion:	43	Resp:	228879
Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.6	36.8





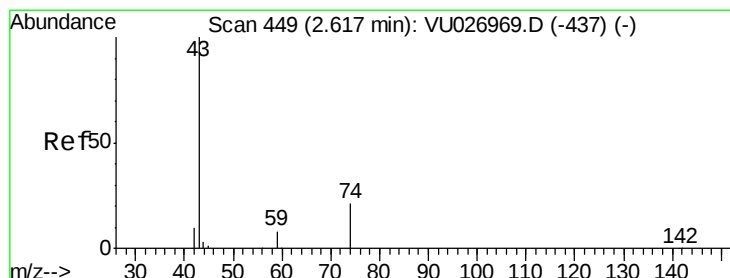
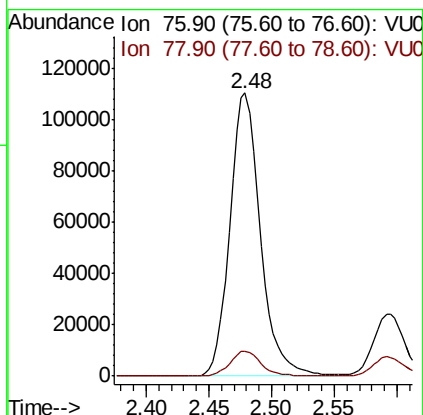
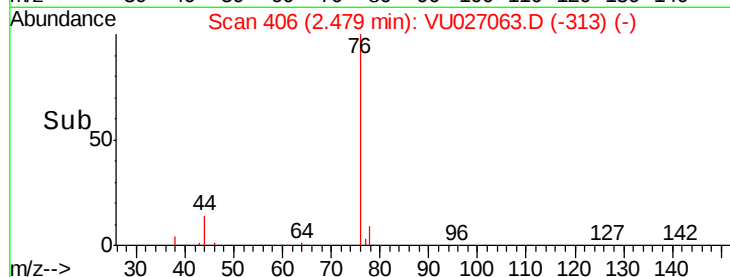
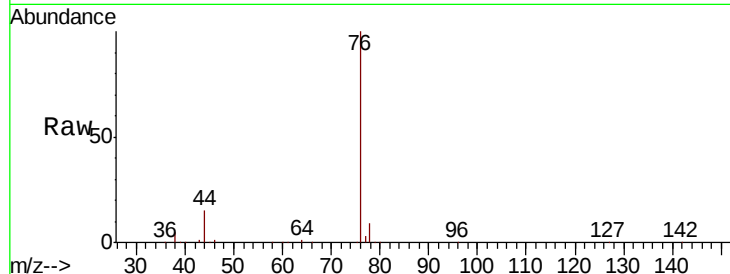
#17
Carbon Disulfide
Concen: 50.328 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

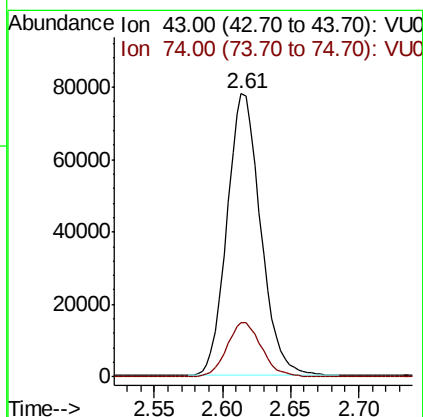
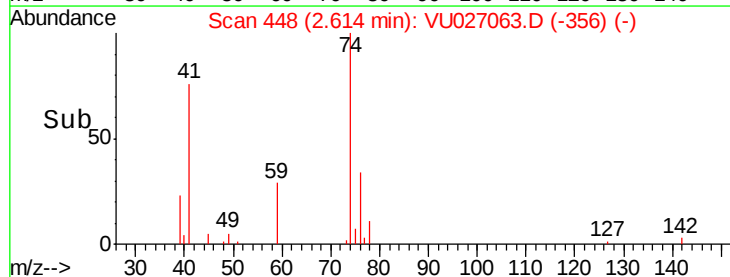
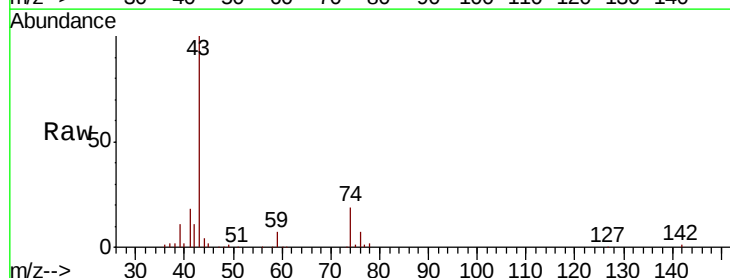
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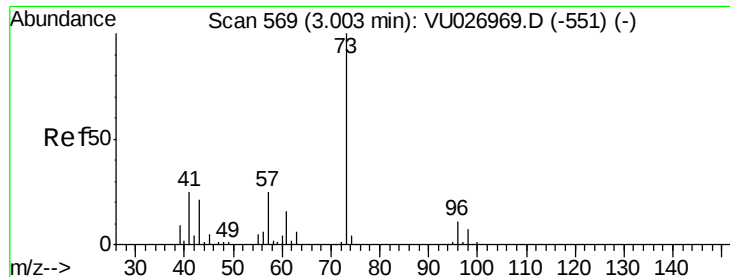
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#18
Methyl Acetate
Concen: 56.198 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.6	25.0





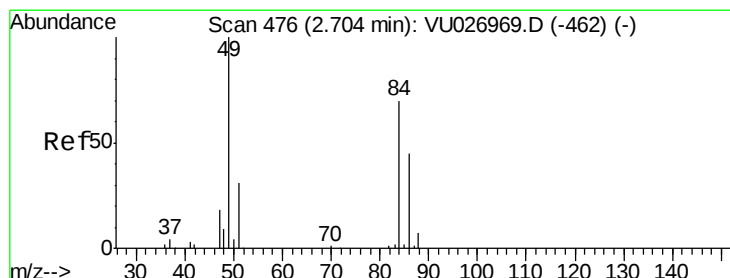
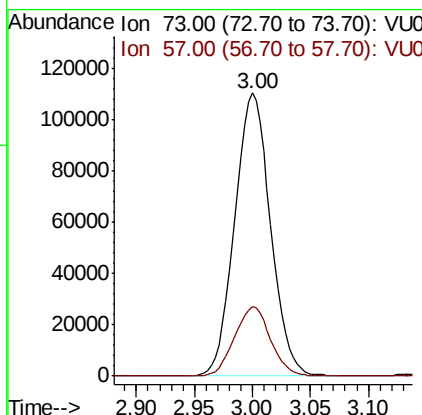
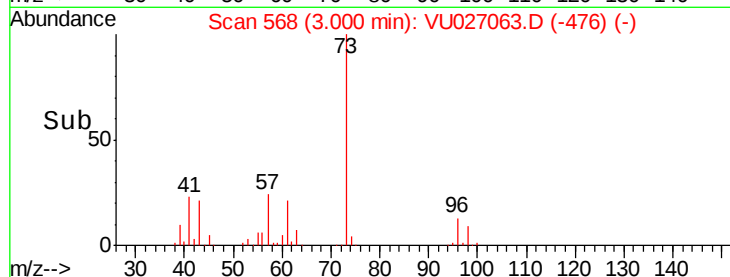
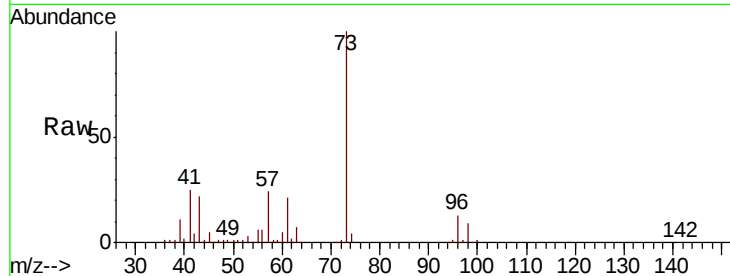
#19
Methyl tert-butyl Ether
Concen: 56.509 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.8	29.6

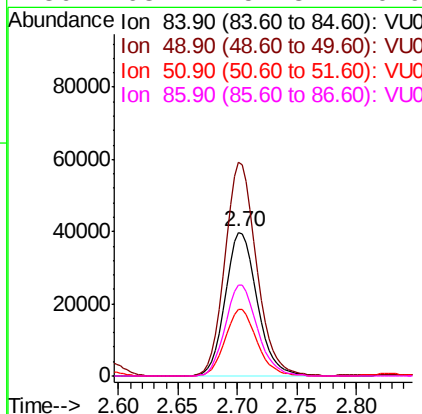
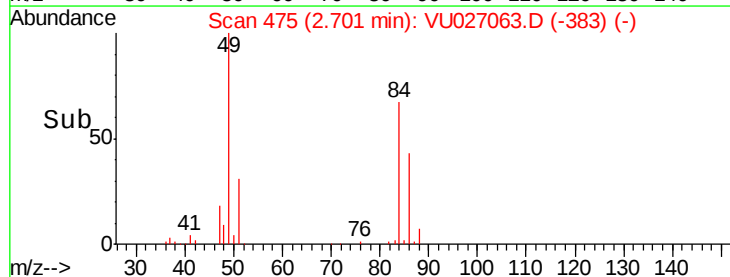
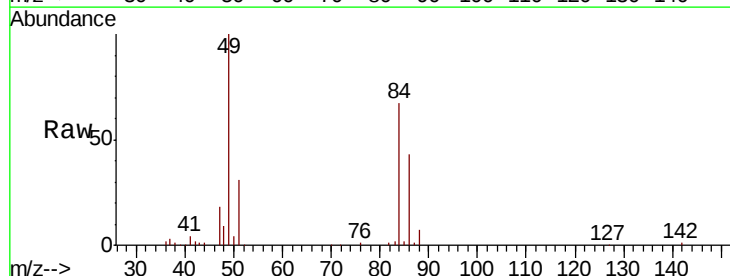
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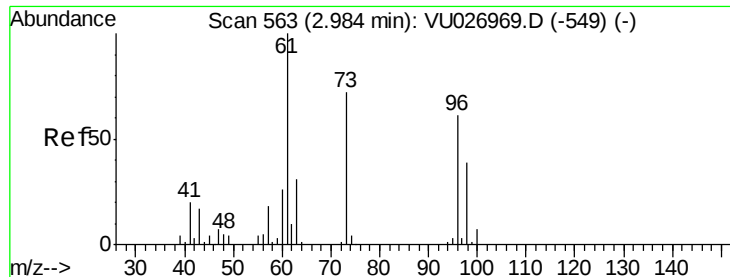
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#20
Methylene Chloride
Concen: 49.953 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.8	114.9	172.3
51	46.5	35.8	53.8
86	63.4	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 53.066 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 64510

Ion Ratio Lower Upper

96 100

61 168.5 131.8 197.6

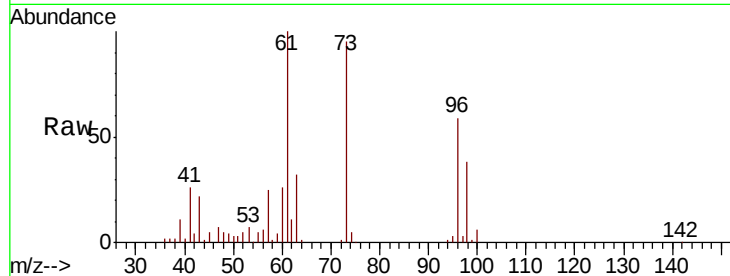
98 64.1 50.9 76.3

Manual Integrations

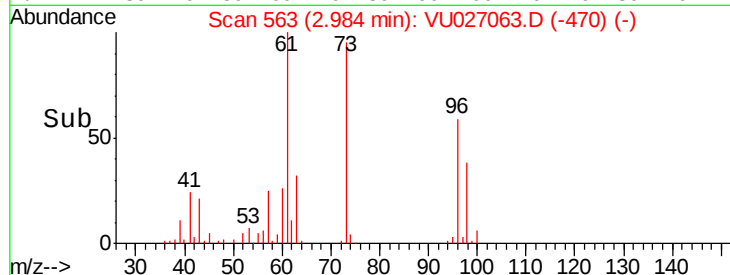
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Abundance Ion 95.90 (95.60 to 96.60): VU027063.D (-470) (-)



Ion 60.90 (60.60 to 61.60): VU027063.D (-470) (-)

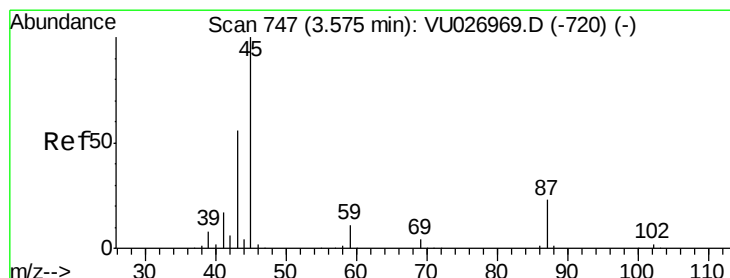
Ion 97.90 (97.60 to 98.60): VU027063.D (-470) (-)

Time-->

2.90 2.95 3.00 3.05

2.98

Time-->



#22

Diisopropyl ether

Concen: 59.347 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Tgt Ion: 45 Resp: 293146

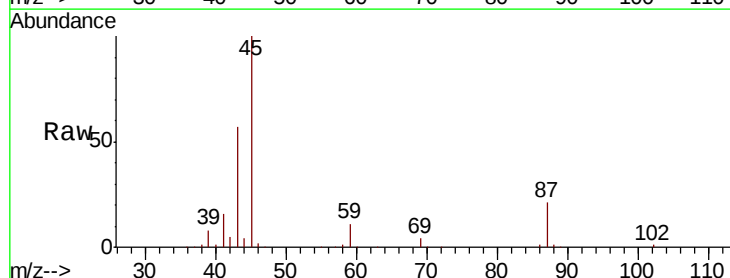
Ion Ratio Lower Upper

45 100

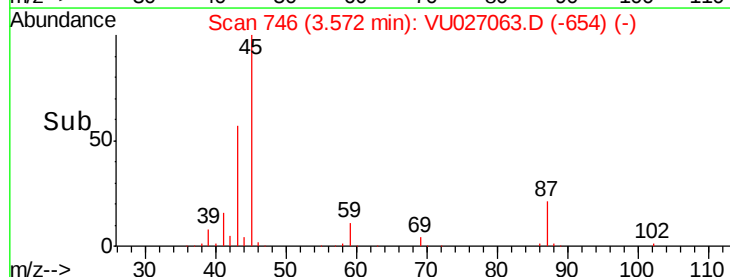
43 55.3 45.8 68.6

87 21.3 18.6 28.0

59 10.8 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027063.D (-654) (-)



Ion 43.00 (42.70 to 43.70): VU027063.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU027063.D (-654) (-)

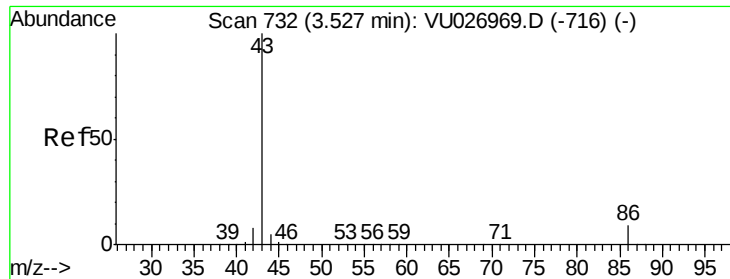
Ion 59.00 (58.70 to 59.70): VU027063.D (-654) (-)

Time-->

3.50 3.55 3.60 3.65

3.57

Time-->



#23

Vinyl Acetate

Concen: 297.980 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1254663

Ion Ratio Lower Upper

43 100

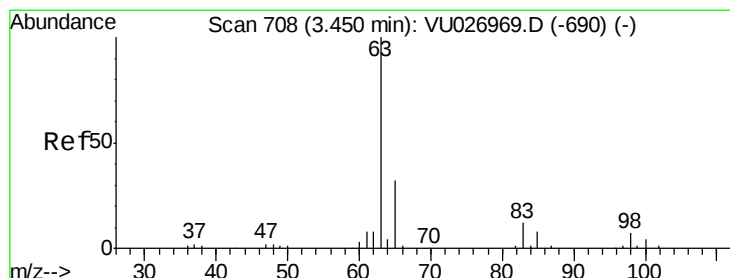
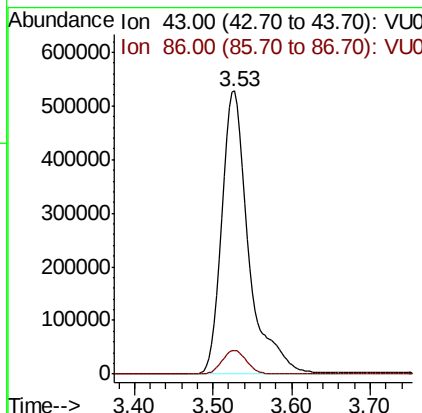
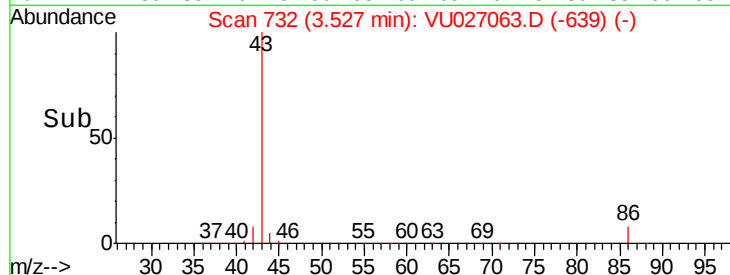
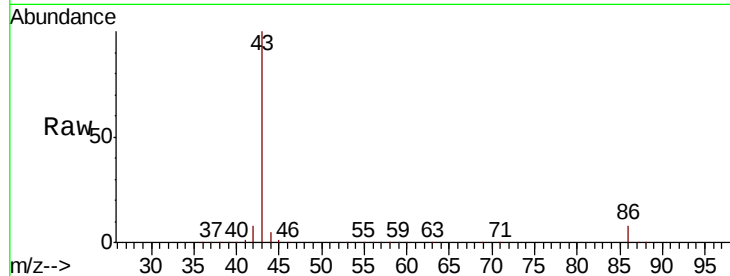
86 8.4 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.132 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

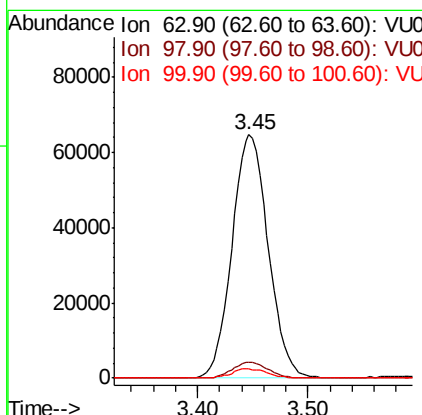
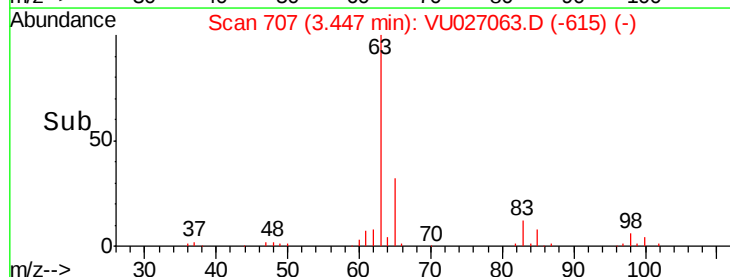
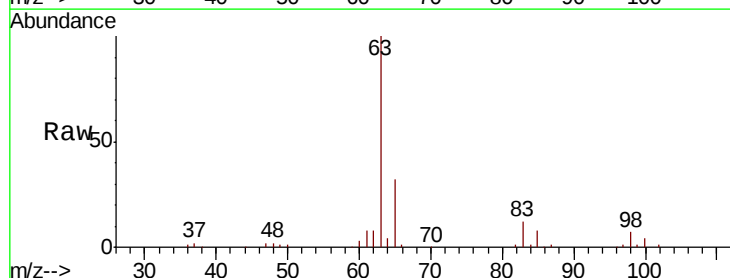
Tgt Ion: 63 Resp: 147266

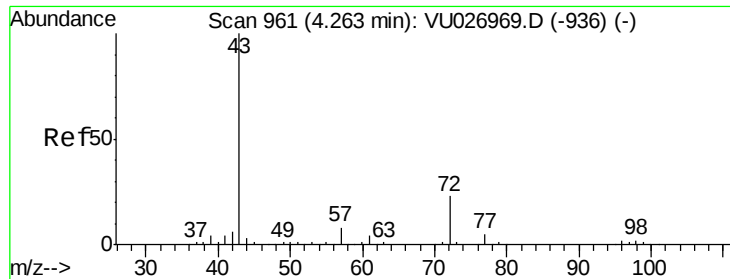
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 268.597 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 374529

Ion Ratio Lower Upper

43 100

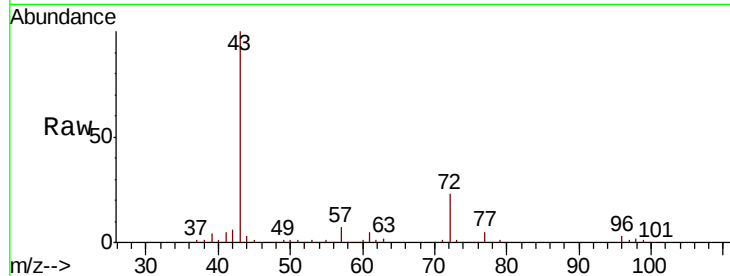
72 22.8 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

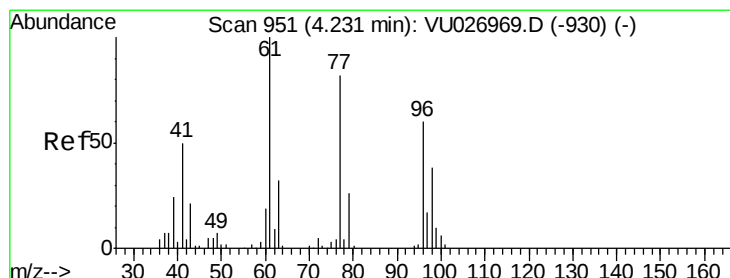
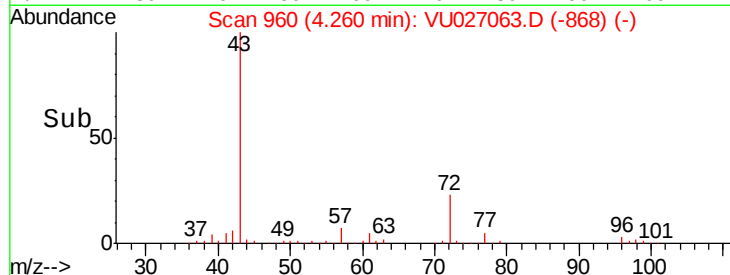
100000

50000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 36.971 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027063.D

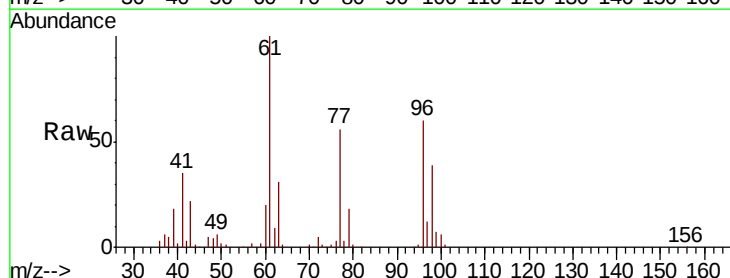
Acq: 23 Sep 2018 10:20

Tgt Ion: 77 Resp: 78440

Ion Ratio Lower Upper

77 100

97 21.7 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

30000

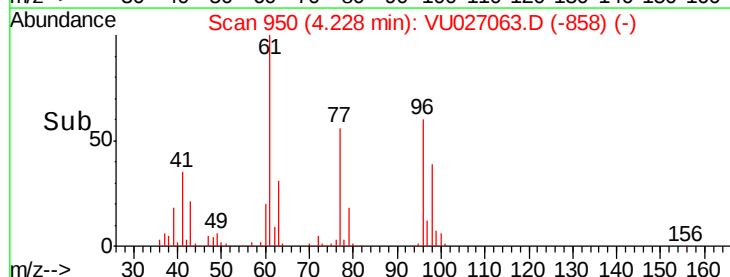
20000

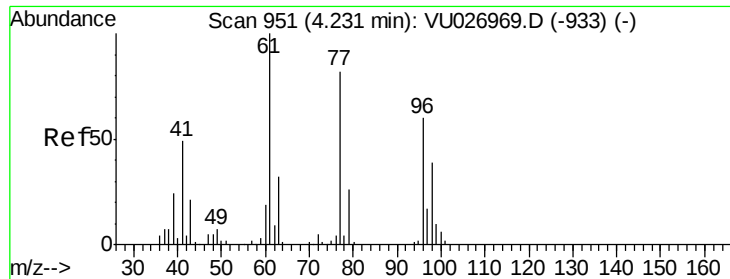
10000

0

4.15 4.20 4.25 4.30

Time-->





#27

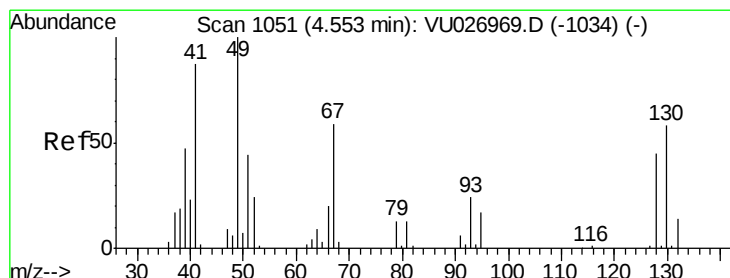
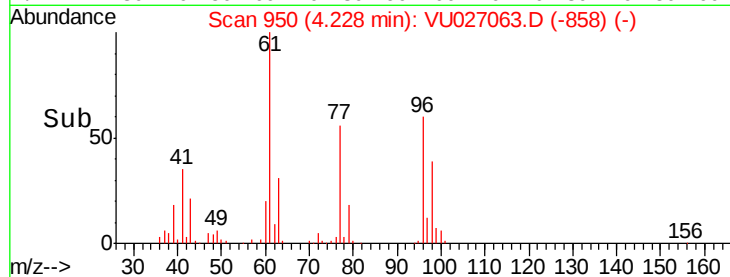
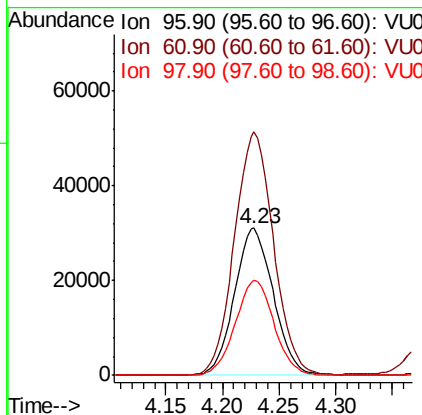
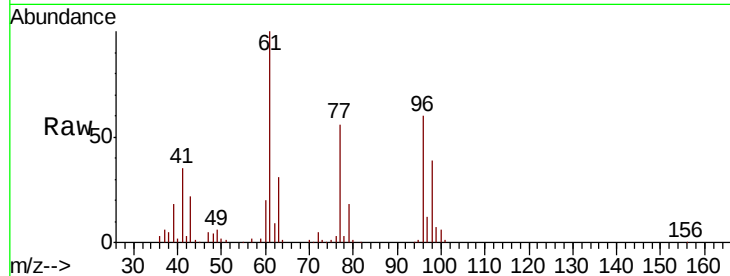
cis-1,2-Dichloroethene
Concen: 54.106 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	337.2
98	64.5	0.0	127.6

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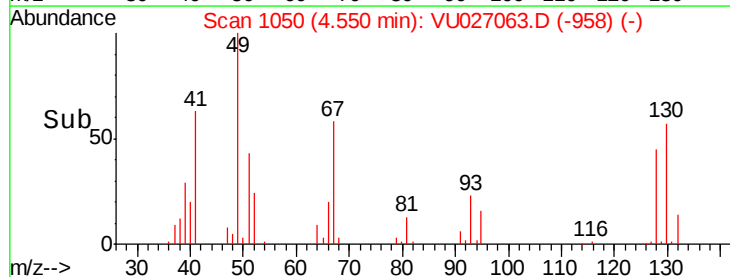
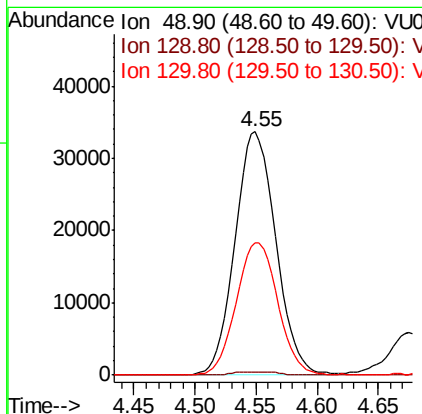
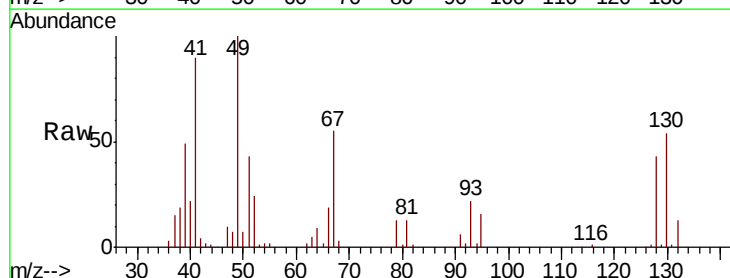
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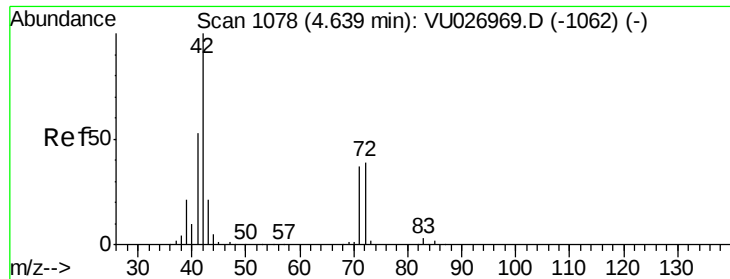


#28

Bromochloromethane
Concen: 59.716 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	54.9	47.8	71.8





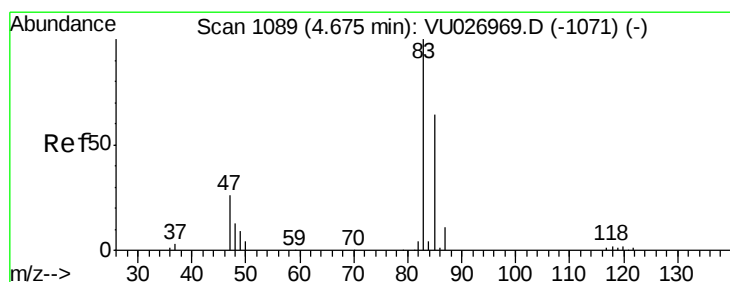
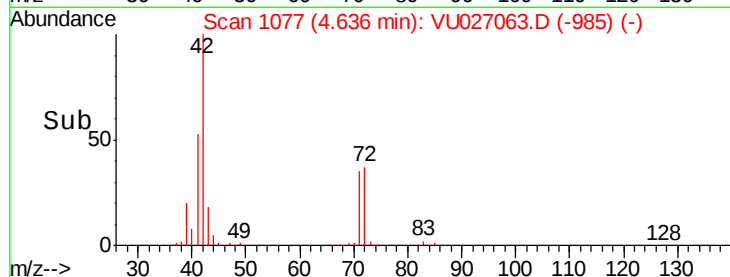
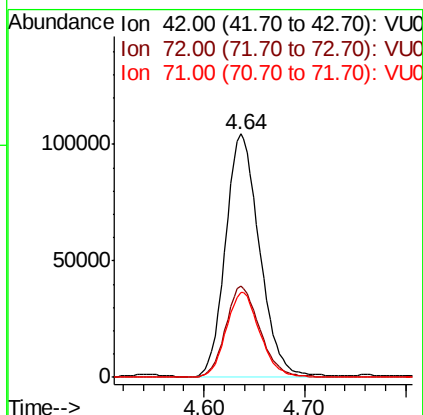
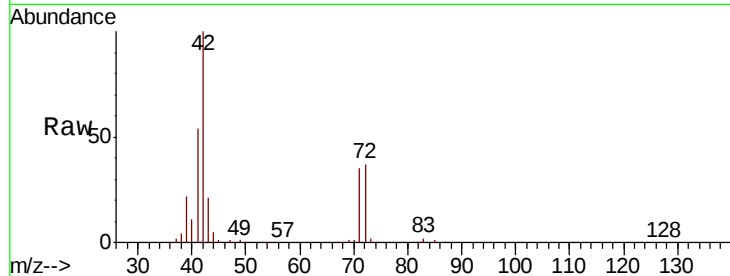
#29
Tetrahydrofuran
Concen: 290.621 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.7	31.7	47.5
71	34.9	29.6	44.4

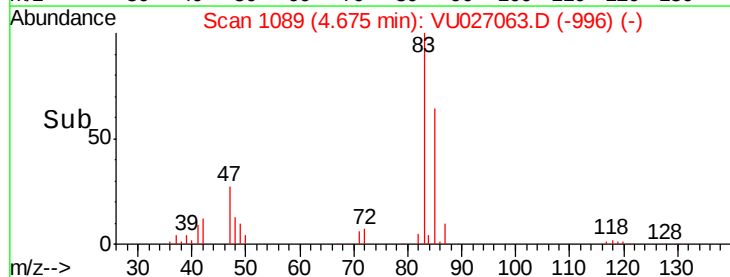
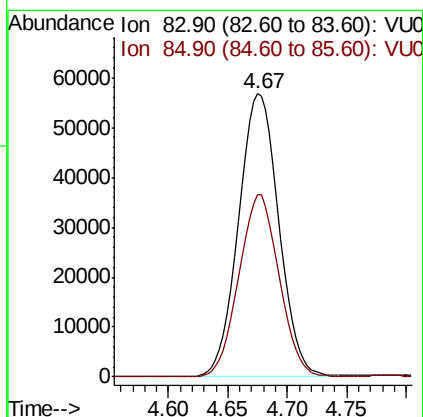
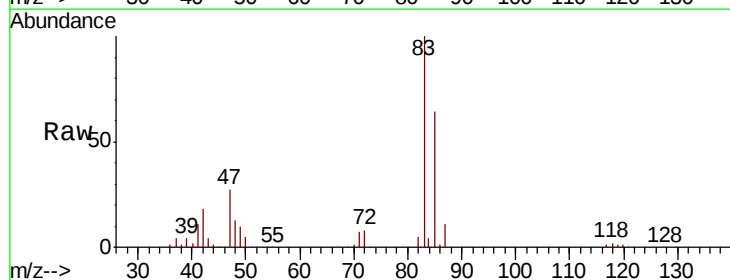
Manual Integrations
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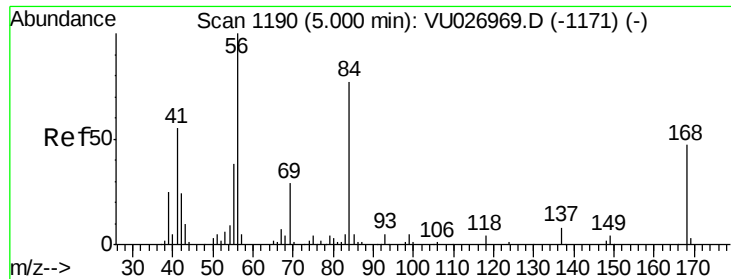
MMDadoda
9/24/2018 4:40:35 PM



#30
Chloroform
Concen: 52.783 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





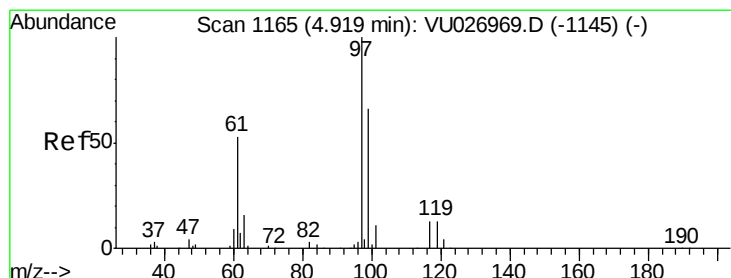
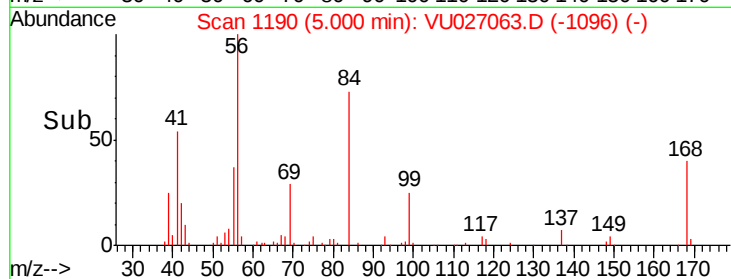
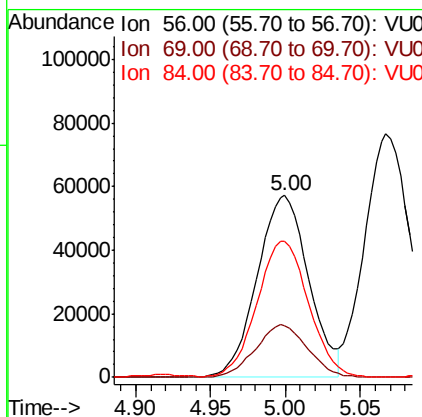
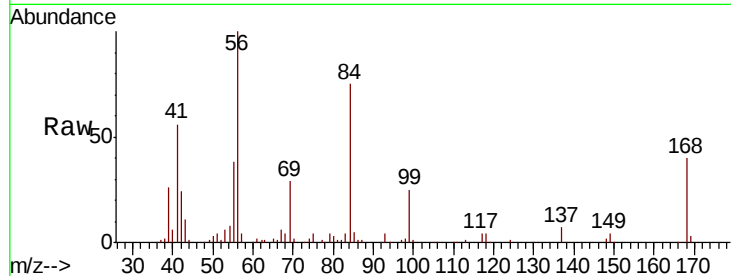
#31
Cyclohexane
Concen: 55.386 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.0	34.4
84	74.0	61.4	92.2

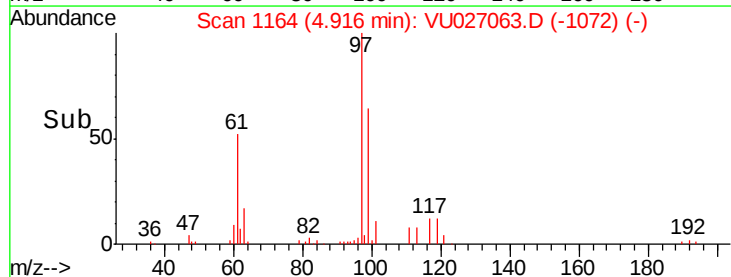
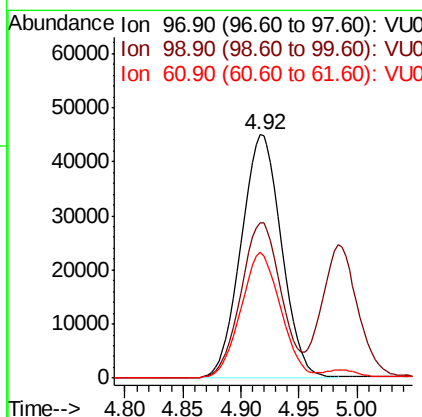
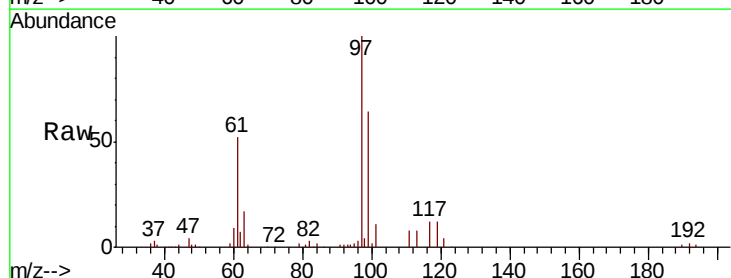
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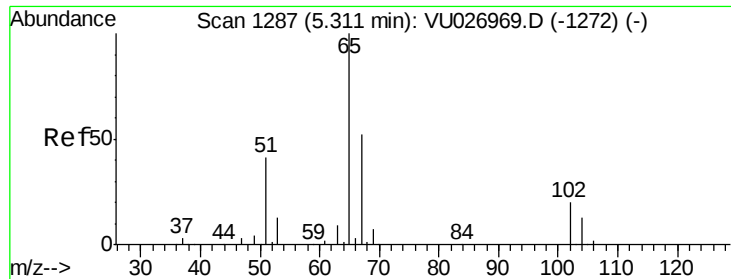
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9/24/2018 4:40:35 PM



#32
1,1,1-Trichloroethane
Concen: 54.300 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	50.9	41.1	61.7





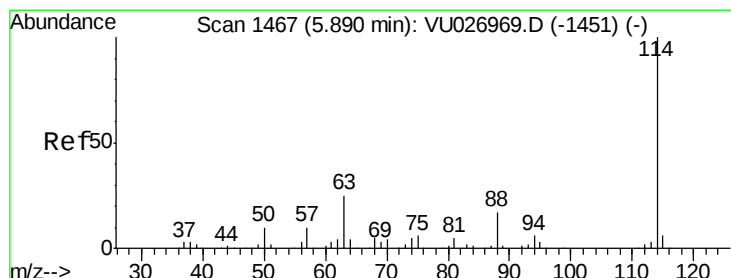
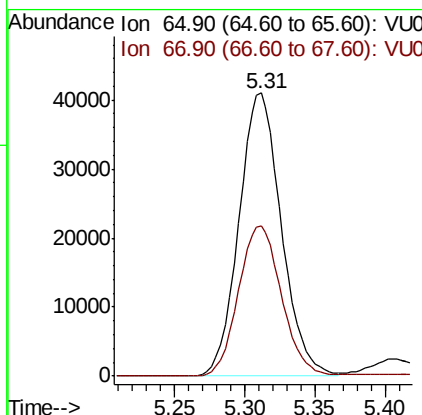
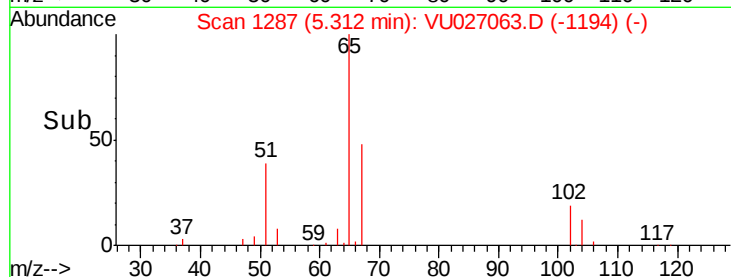
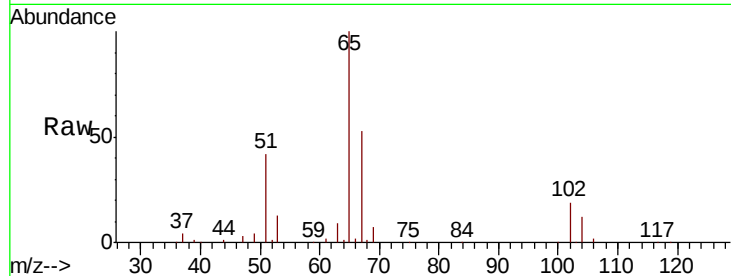
#33
 1,2-Dichloroethane-d4
 Concen: 51.987 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.6

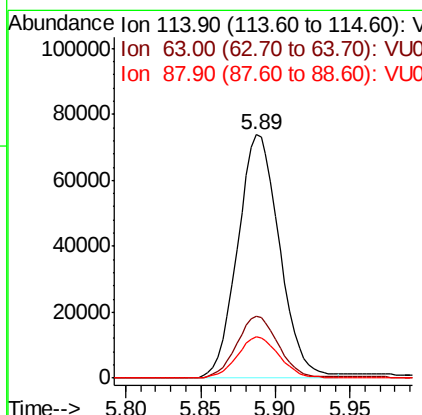
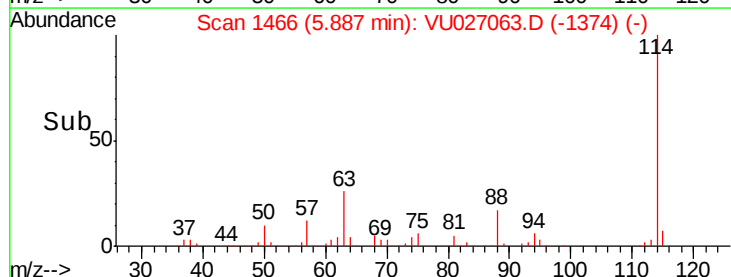
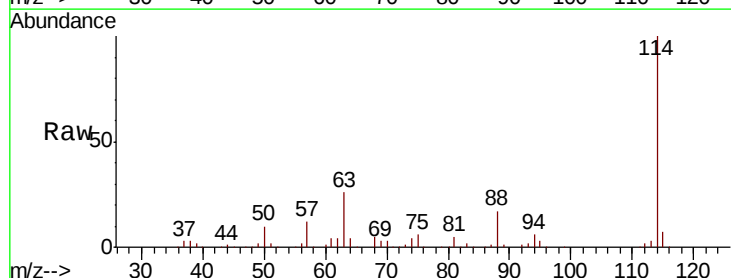
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	16.9	0.0	33.8





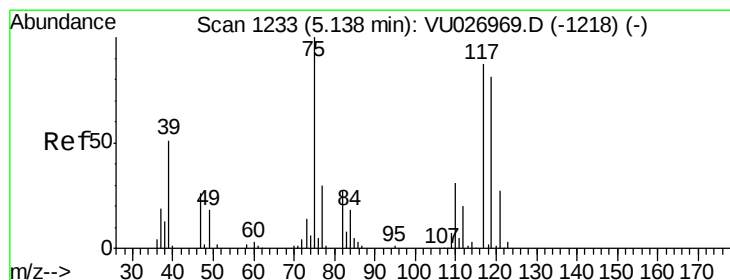
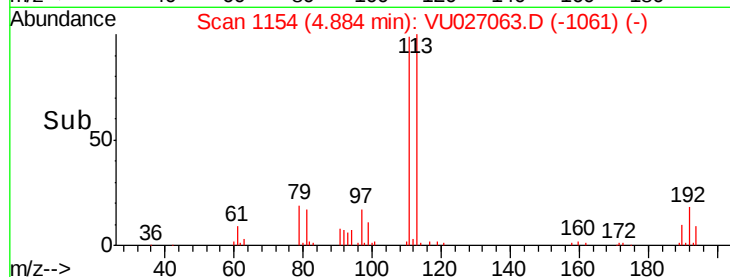
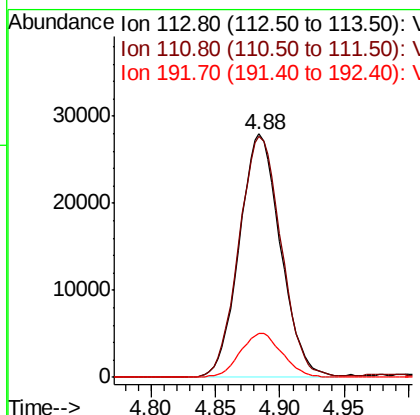
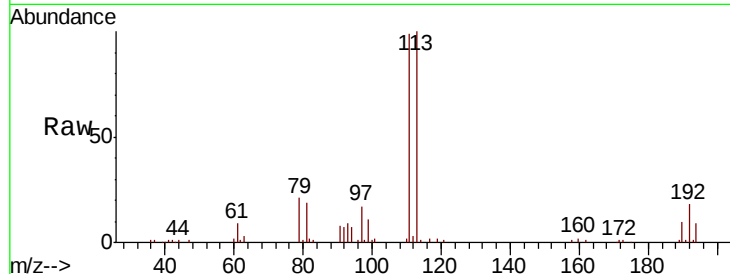
#35
 Dibromofluoromethane
 Concen: 49.925 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	18.3	15.2	22.8

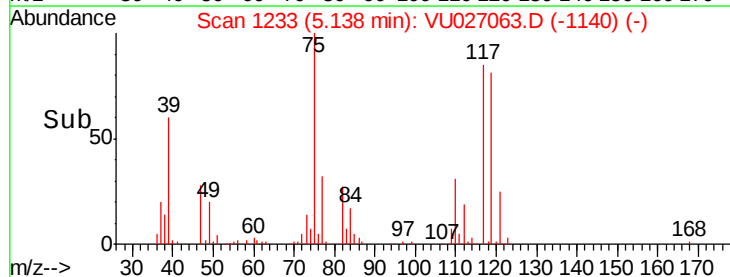
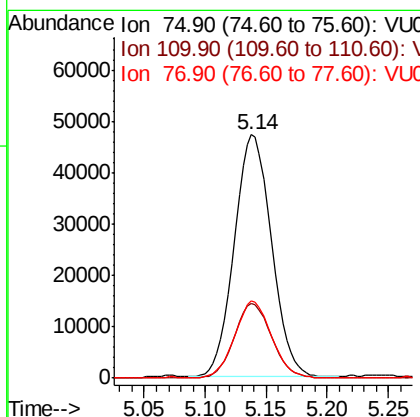
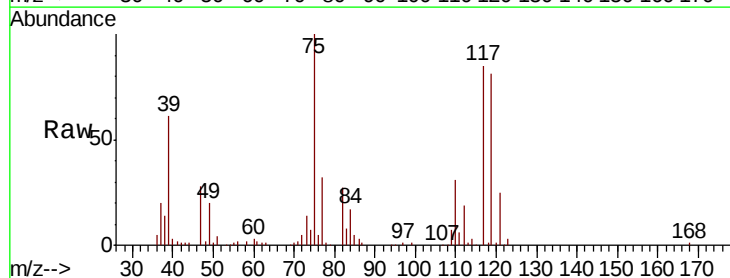
Manual Integrations
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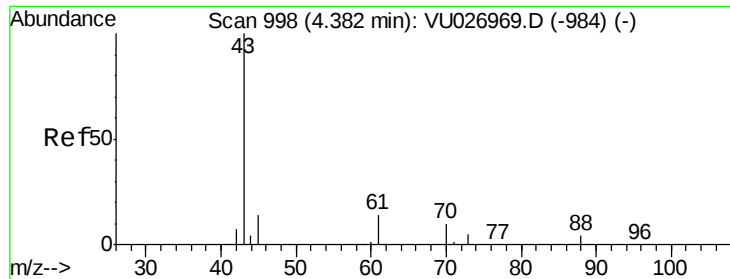
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#36
 1,1-Dichloropropene
 Concen: 51.793 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	16.1	48.2
77	30.9	24.6	36.8





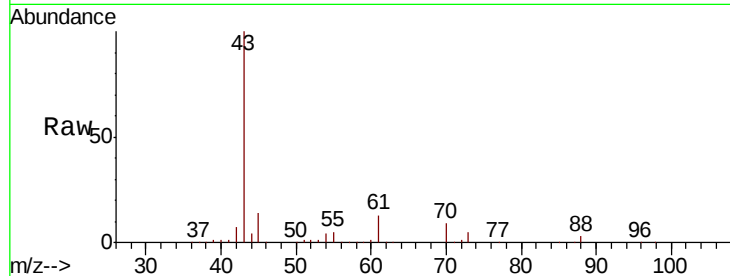
#37
Ethyl Acetate
Concen: 53.122 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	8.8	7.4	11.0

Manual Integrations
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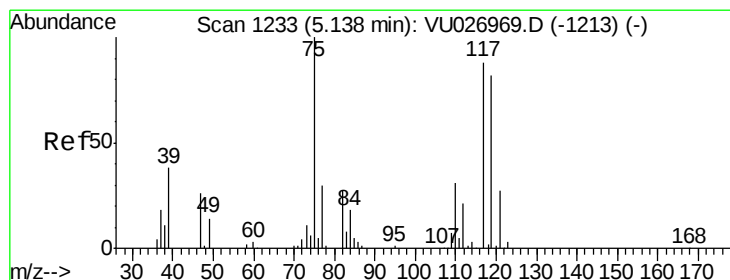
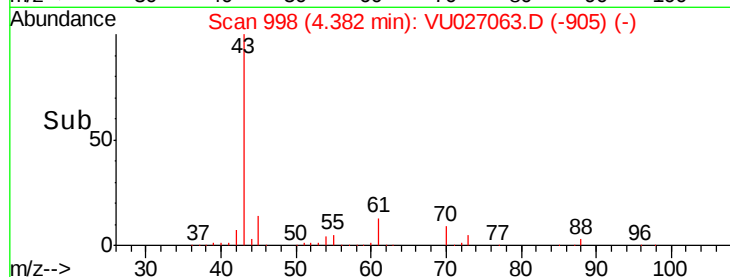
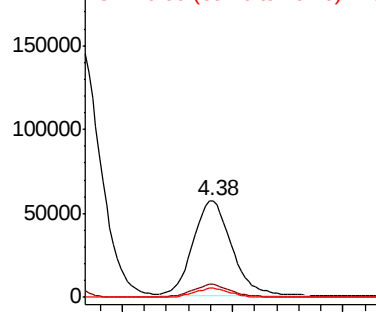


Abundance

Ion 43.00 (42.70 to 43.70): VU0

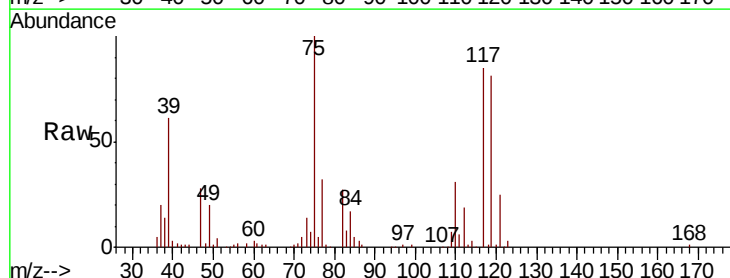
Ion 60.90 (60.60 to 61.60): VU0

Ion 70.00 (69.70 to 70.70): VU0



#38
Carbon Tetrachloride
Concen: 50.795 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.4	111.6
121	29.5	24.2	36.4

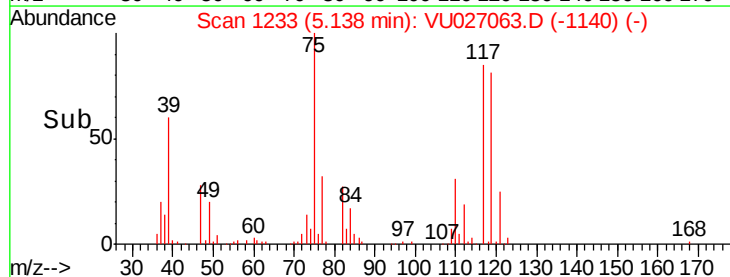
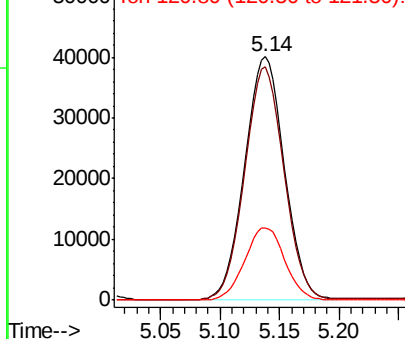


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





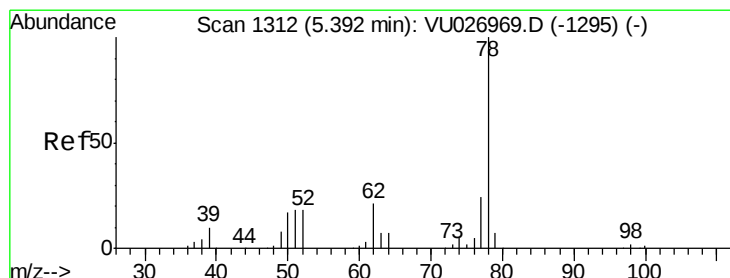
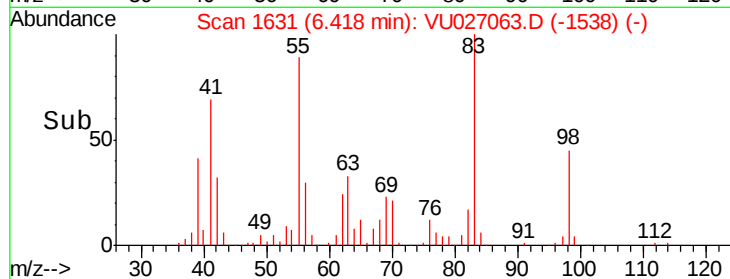
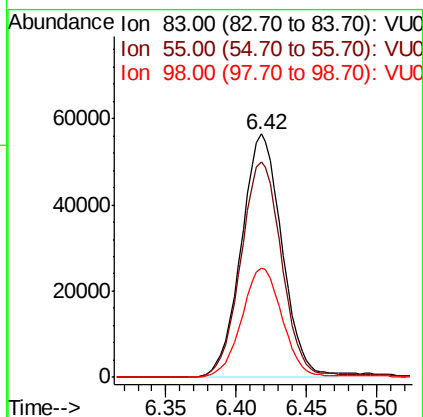
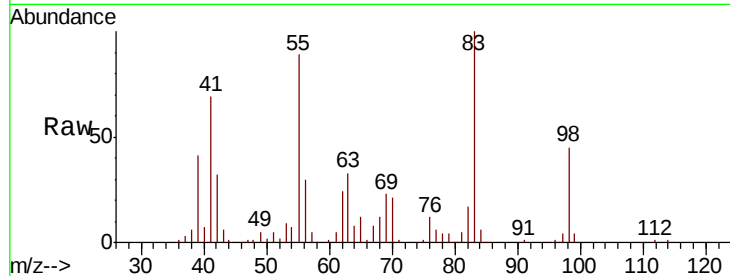
#39
Methvlcvclohexane
Concen: 54.660 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.7	69.9	104.9
98	45.0	37.5	56.3

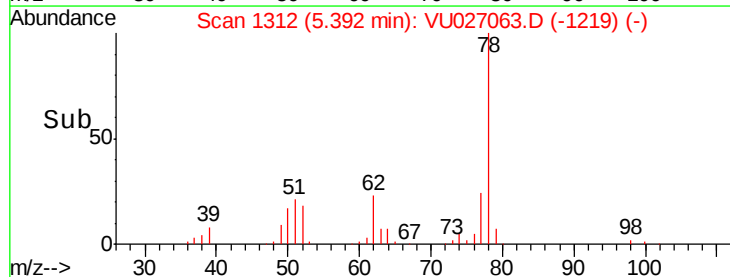
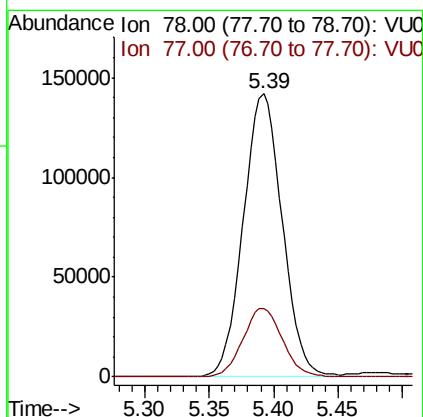
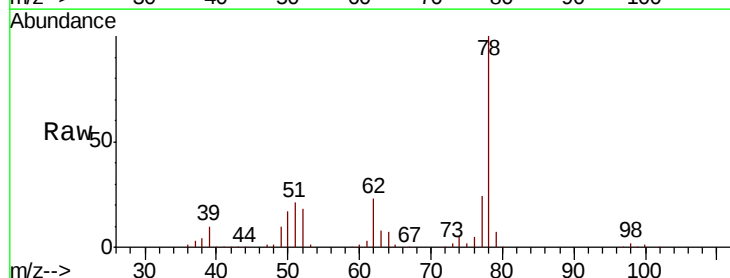
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#40
Benzene
Concen: 51.201 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





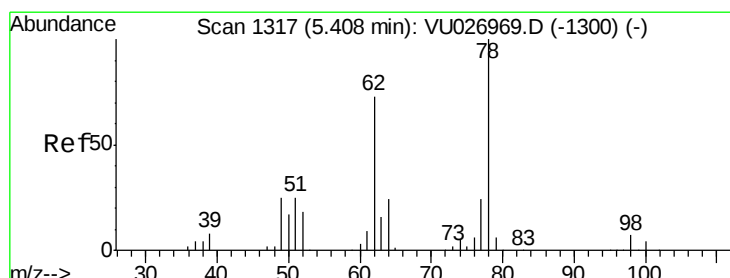
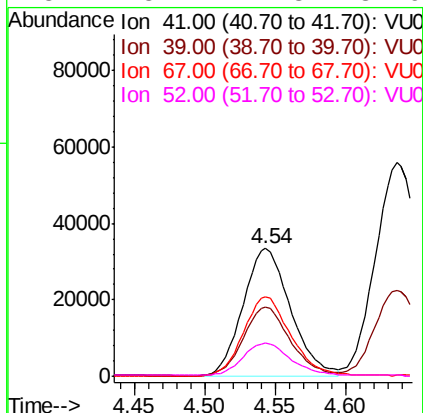
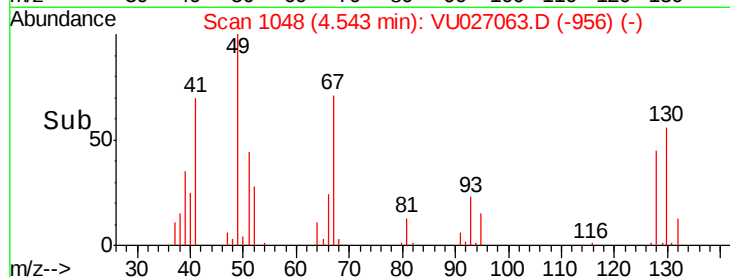
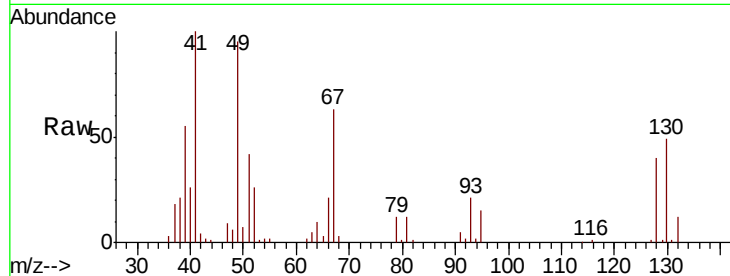
#41
Methacrylonitrile
Concen: 58.582 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.7	42.9	64.3	
67	61.9	52.4	78.6	
52	25.2	21.3	31.9	

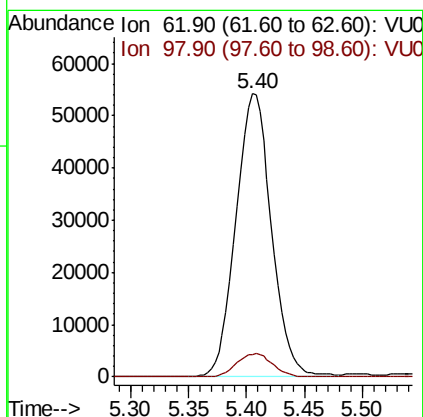
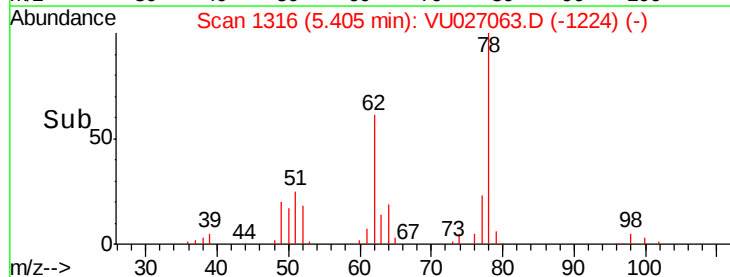
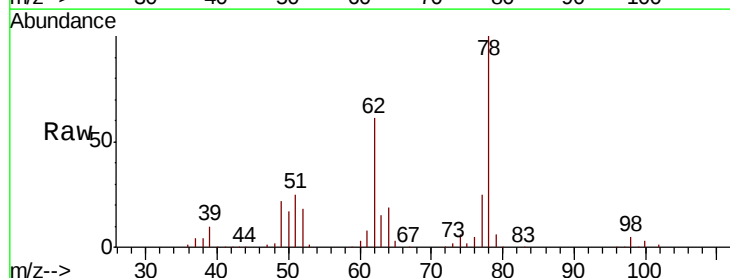
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 52.427 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





#43

Isopropyl Acetate

Concen: 56.483 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

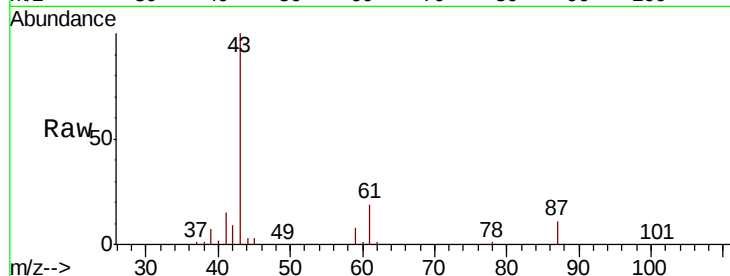
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	214220
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.7	23.5
87	10.7	9.0	13.4

Manual Integrations
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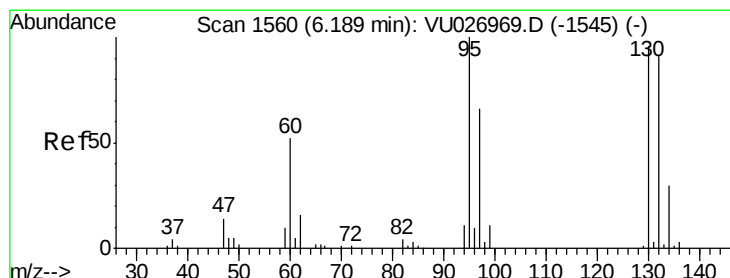
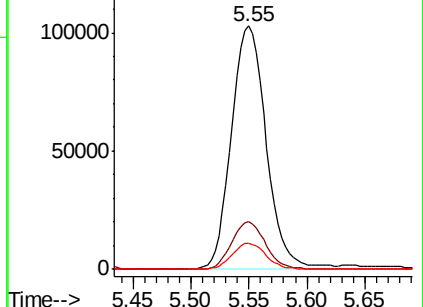
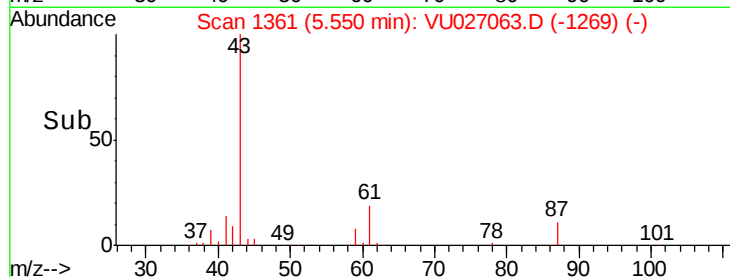


Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU026969.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU026969.D (-1342) (-)

Time-->



#44

Trichloroethene

Concen: 51.549 ug/l

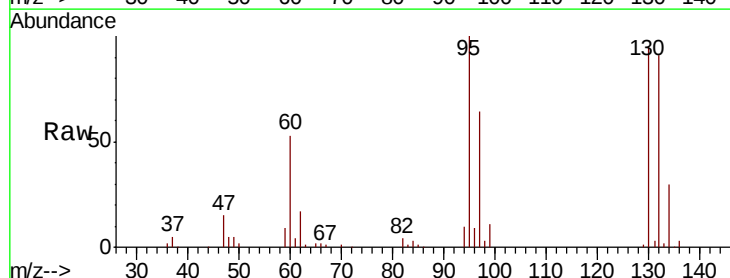
RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

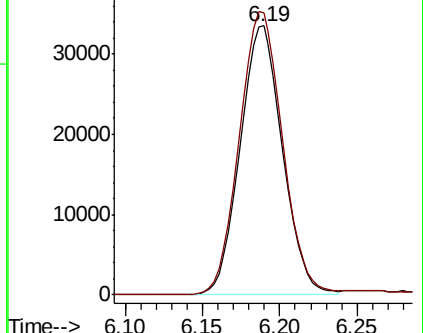
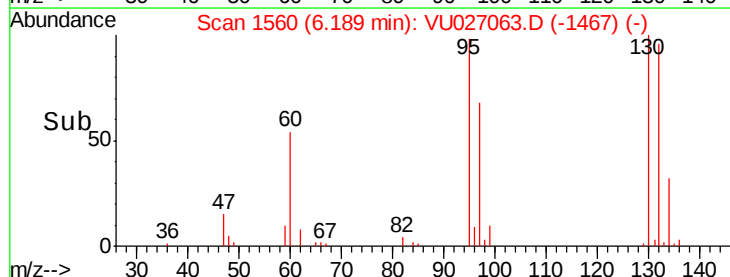
Tgt Ion:	130	Resp:	64089
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	208.8

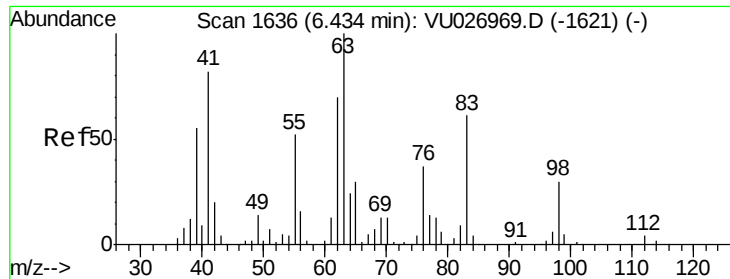


Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

Time-->





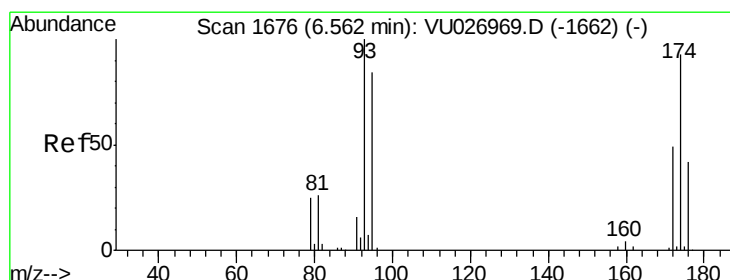
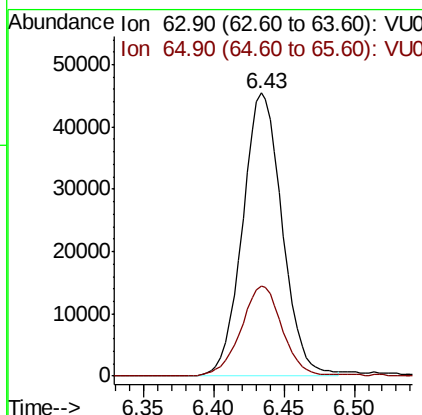
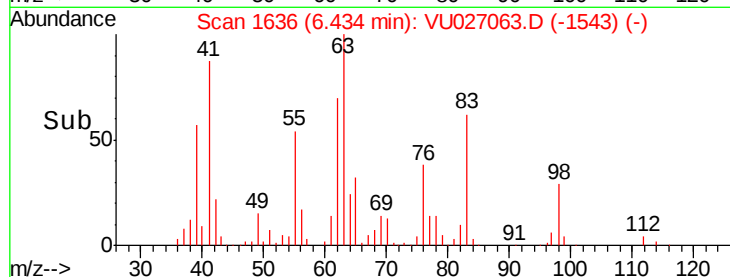
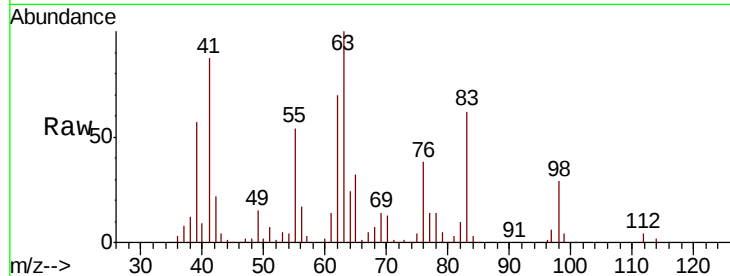
#45
 1,2-Dichloropropane
 Concen: 53.760 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 89456
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5

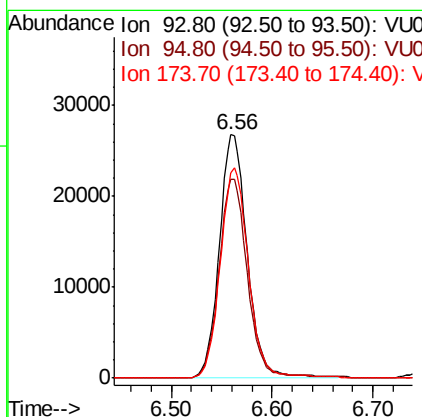
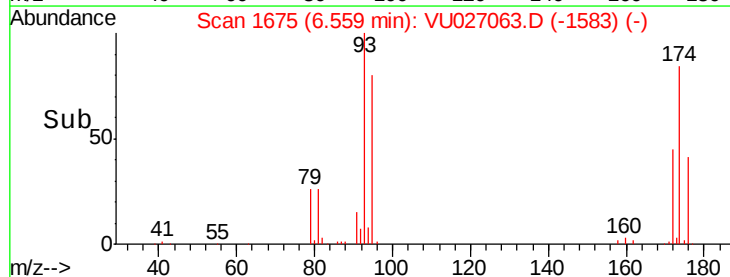
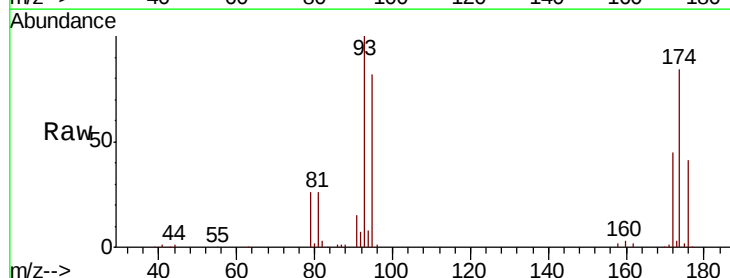
Manual Integrations
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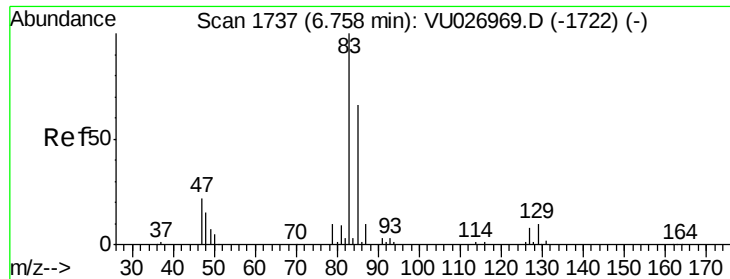
MMDadoda
 9/24/2018 4:40:35 PM



#46
 Dibromomethane
 Concen: 51.472 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion: 93 Resp: 51728
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.2 99.4
 174 86.7 71.7 107.5





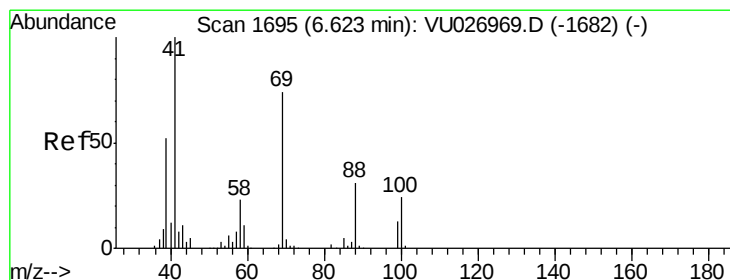
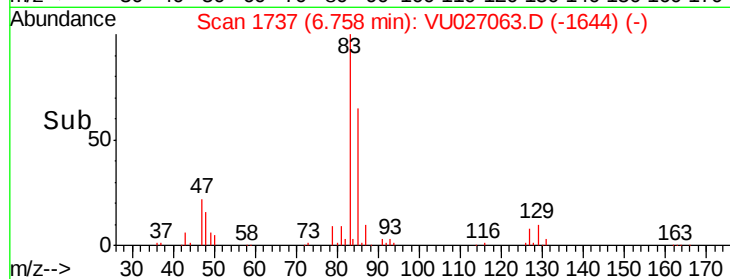
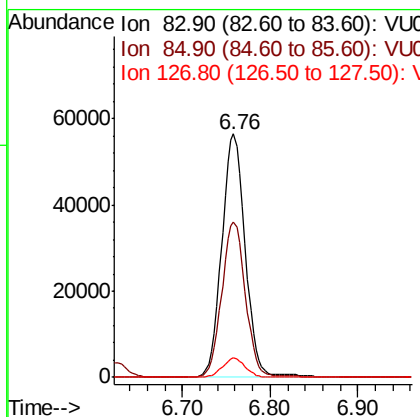
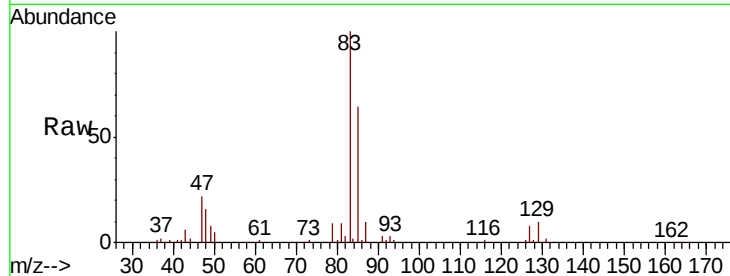
#47
 Bromodichloromethane
 Concen: 51.766 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	105193
Ion Ratio	Lower	Upper	
83	100		
85	63.7	52.5	78.7
127	7.8	6.3	9.5

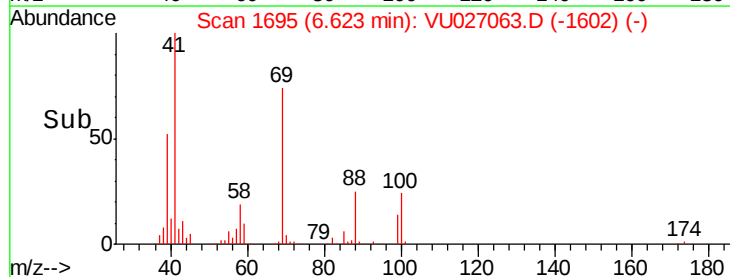
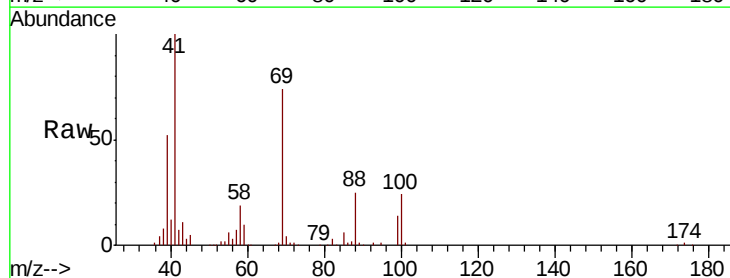
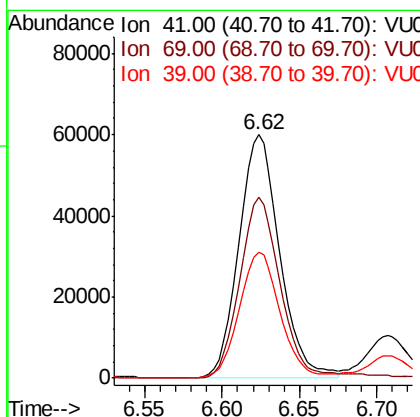
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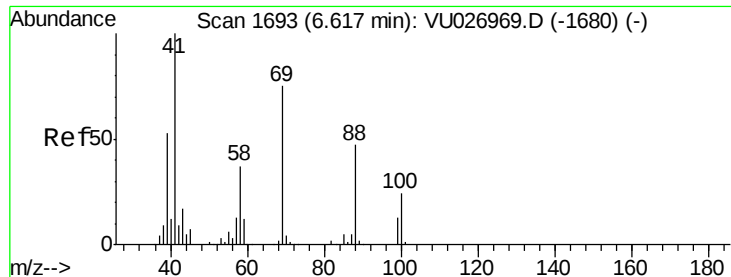
MMDadoda
 9/24/2018 4:40:35 PM



#48
 Methyl methacrylate
 Concen: 53.330 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	41	Resp	110228
Ion Ratio	Lower	Upper	
41	100		
69	75.5	60.6	90.8
39	51.8	42.8	64.2





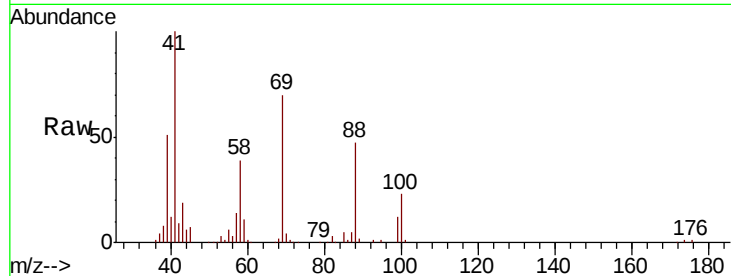
#49
1,4-Dioxane
Concen: 948.043 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

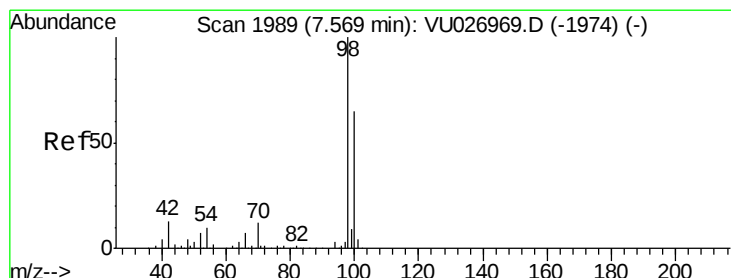
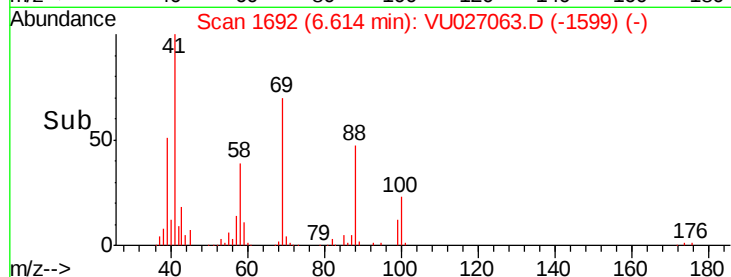
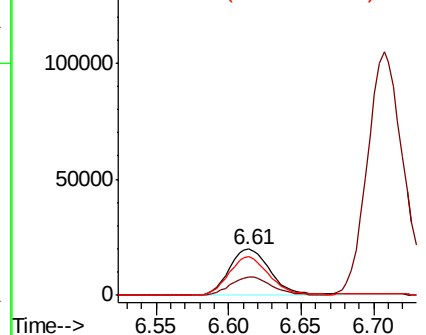
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	41.0	29.8	44.8	
58	83.1	63.9	95.9	

Manual Integrations
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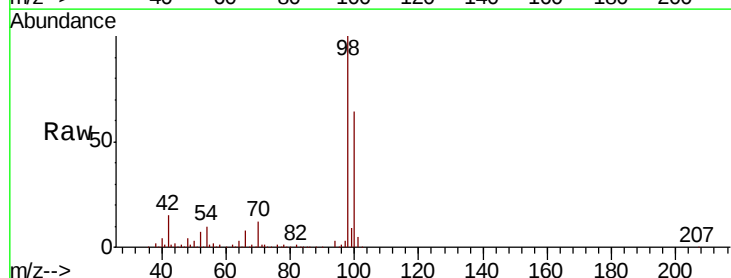


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

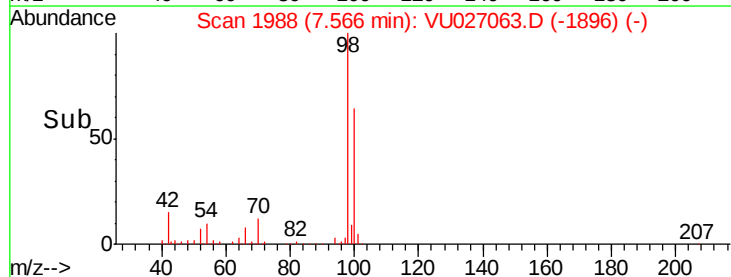
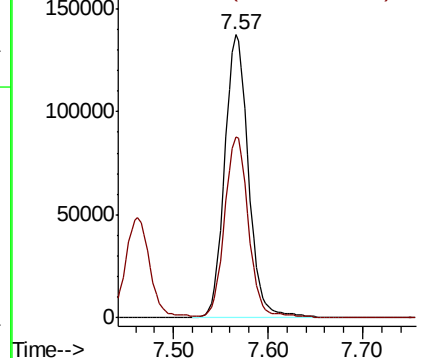


#50
Toluene-d8
Concen: 50.694 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.2	52.1	78.1	



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 286.641 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 731156

Ion Ratio Lower Upper

43 100

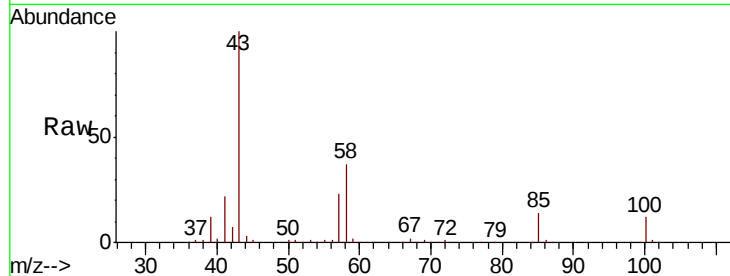
58 37.0 29.8 44.6

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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

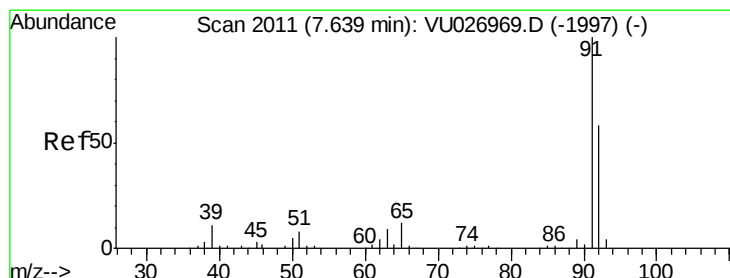
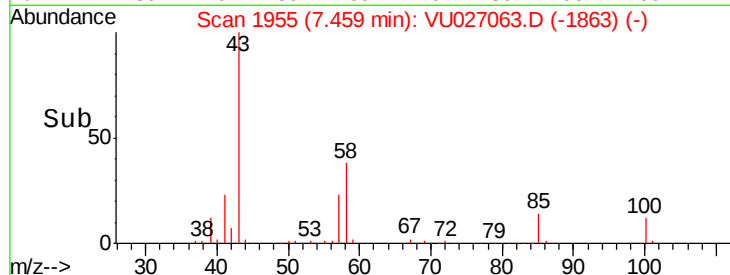
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.795 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027063.D

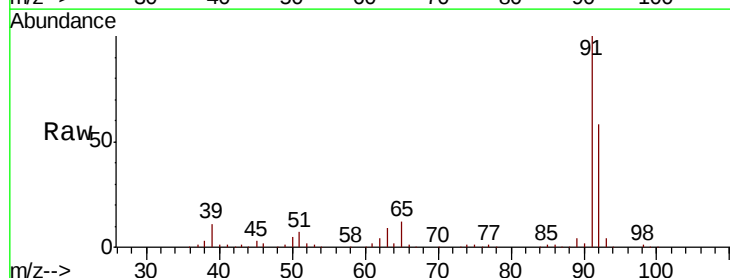
Acq: 23 Sep 2018 10:20

Tgt Ion: 92 Resp: 183424

Ion Ratio Lower Upper

92 100

91 172.7 136.4 204.6



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

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

7.64

200000

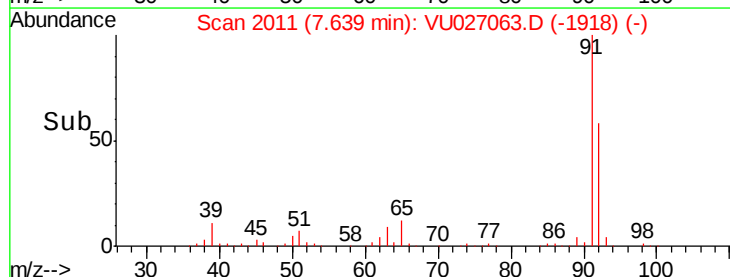
150000

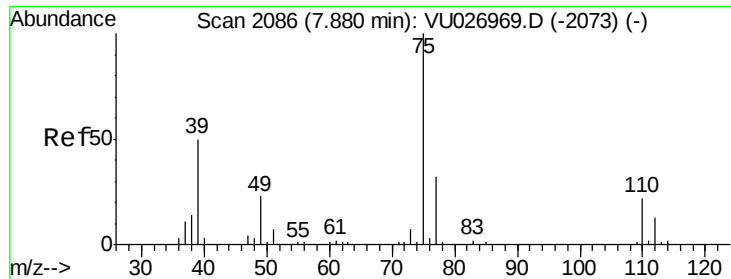
100000

50000

0

Time-->





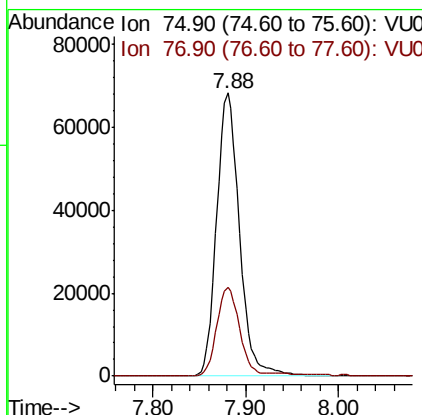
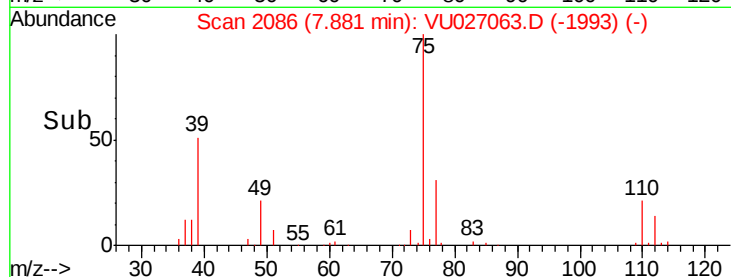
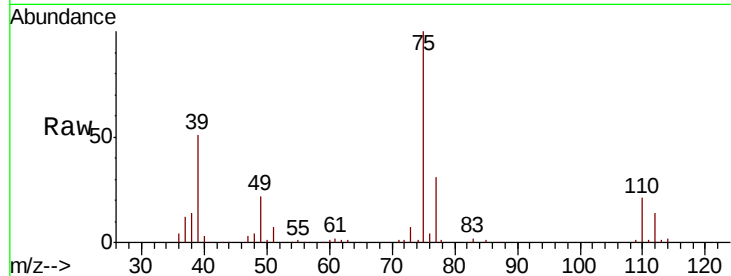
#53
 t-1,3-Dichloropropene
 Concen: 53.492 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 116790
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9

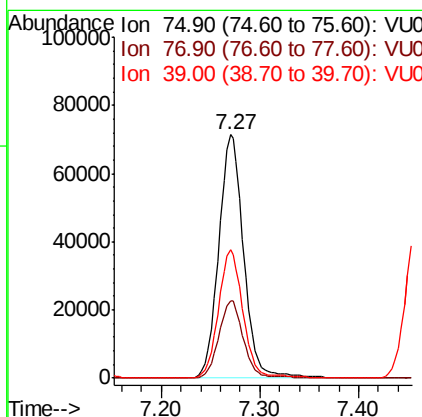
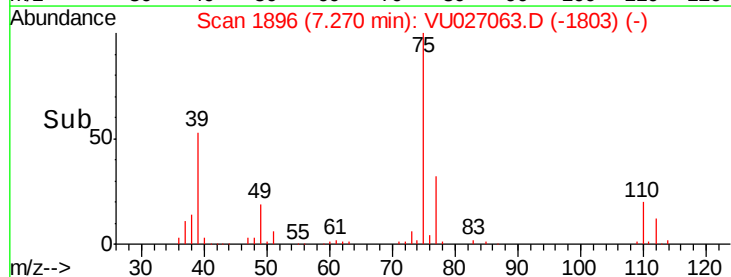
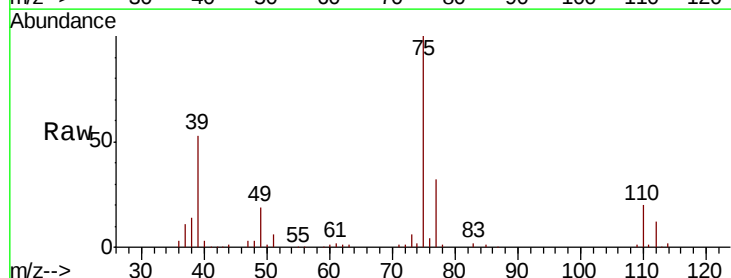
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#54
 cis-1,3-Dichloropropene
 Concen: 52.668 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion: 75 Resp: 126435
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0
 39 52.5 41.6 62.4





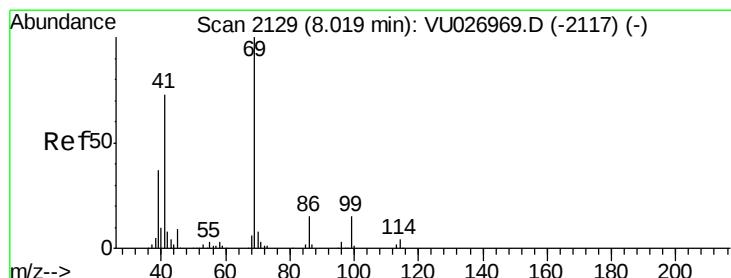
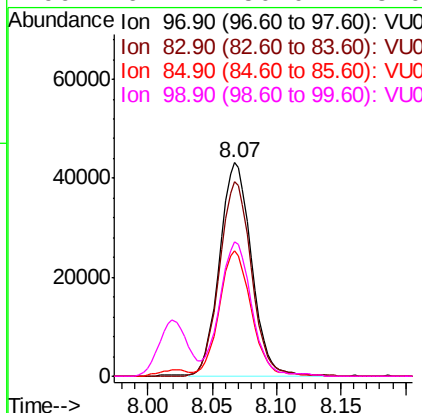
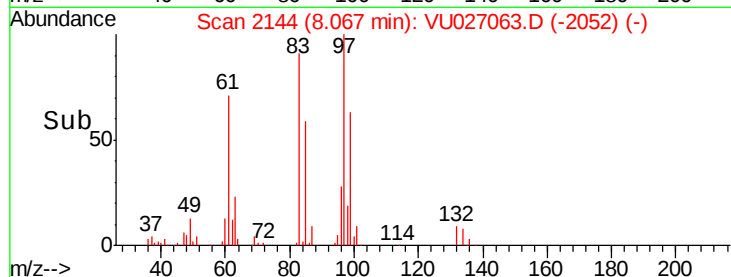
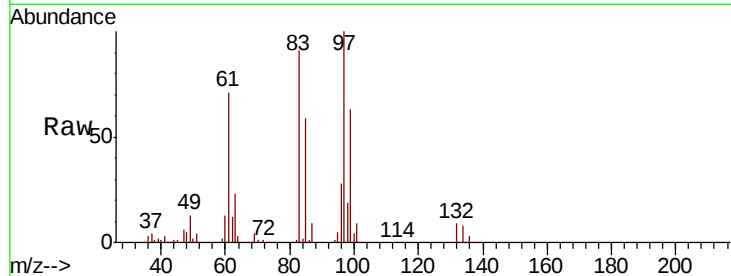
#55
 1,1,2-Trichloroethane
 Concen: 52.587 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	74590
Ion	Ratio	Lower	Upper
97	100		
83	91.0	73.1	109.7
85	58.6	46.7	70.1
99	62.7	50.0	75.0

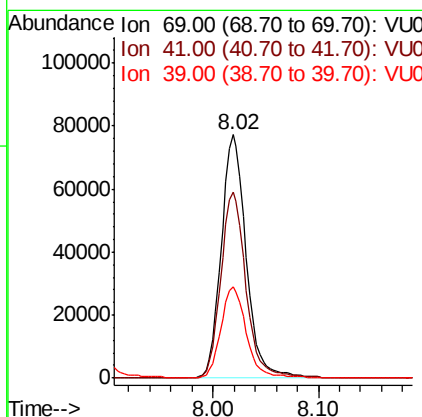
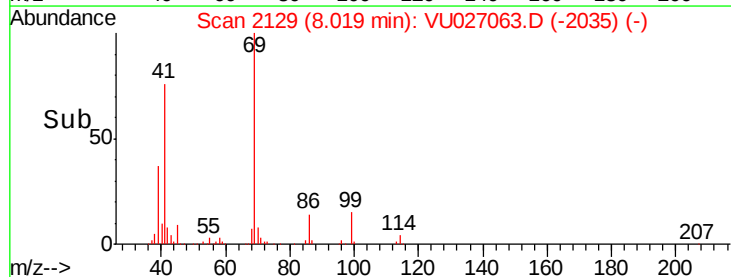
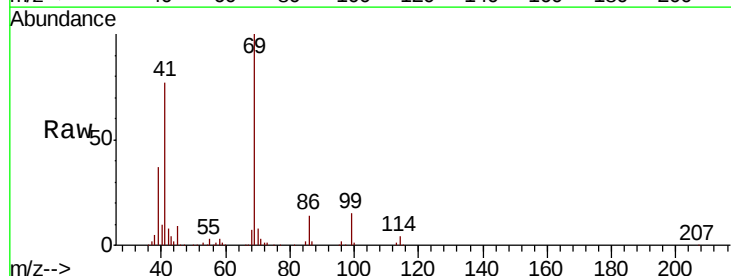
Manual Integrations
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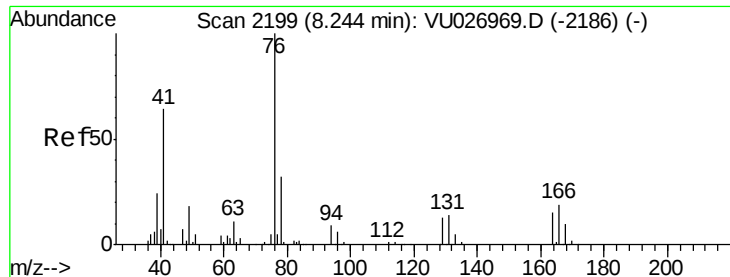
MMDadoda
 9/24/2018 4:40:35 PM



#56
 Ethyl methacrylate
 Concen: 51.410 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion:	69	Resp:	126683
Ion	Ratio	Lower	Upper
69	100		
41	77.2	59.0	88.4
39	37.9	30.2	45.4





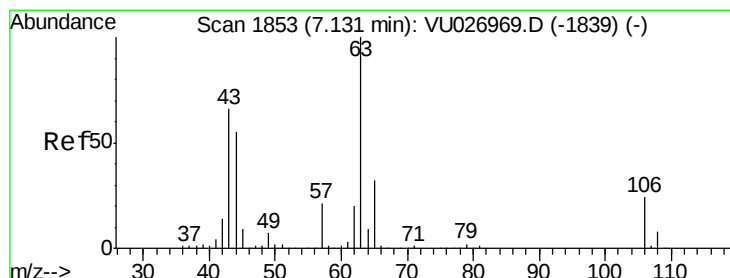
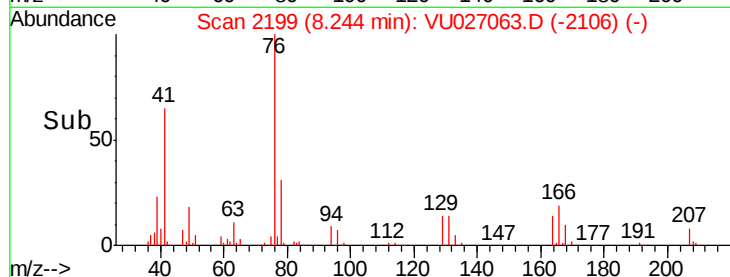
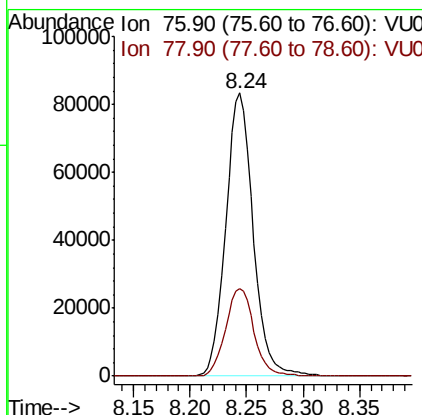
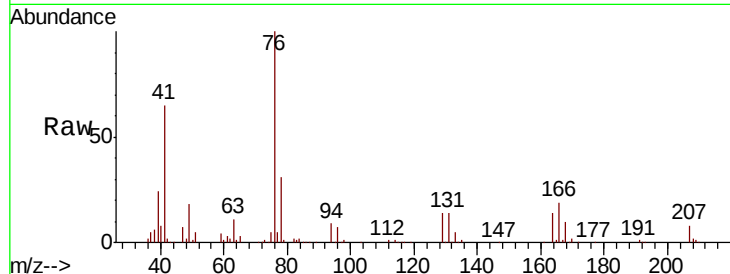
#57
 1,3-Dichloropropane
 Concen: 53.316 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

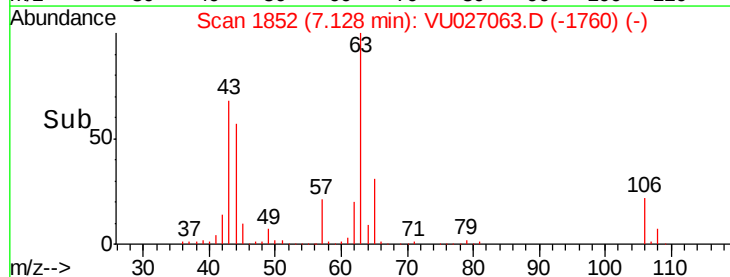
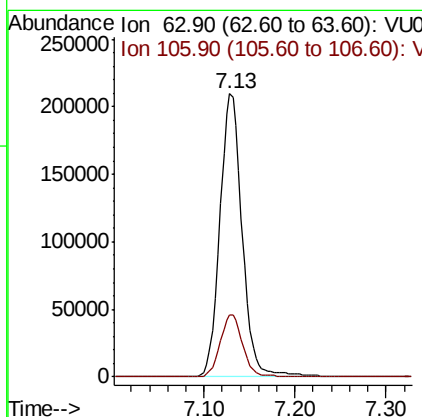
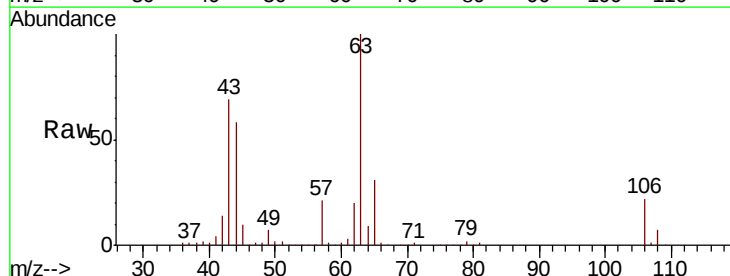
Manual Integrations
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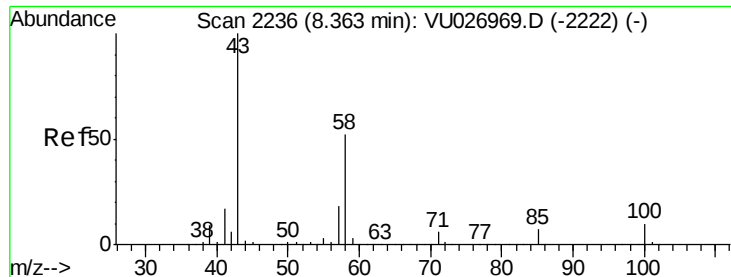
MMDadoda
 9/24/2018 4:40:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.424 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.4	18.7	28.1





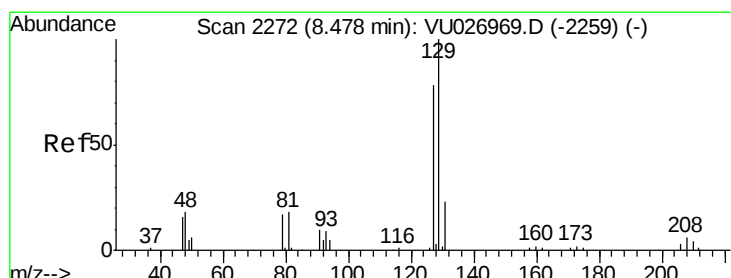
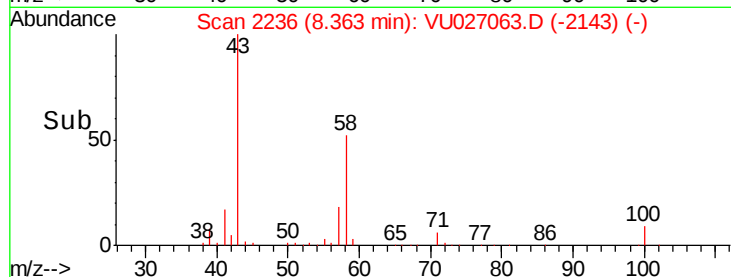
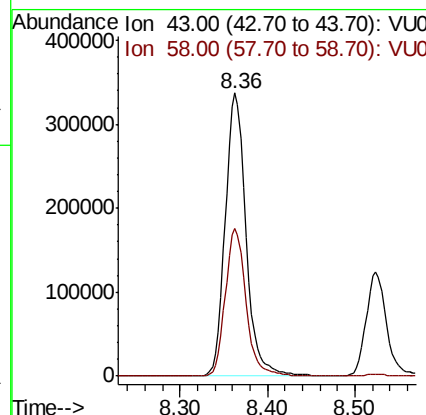
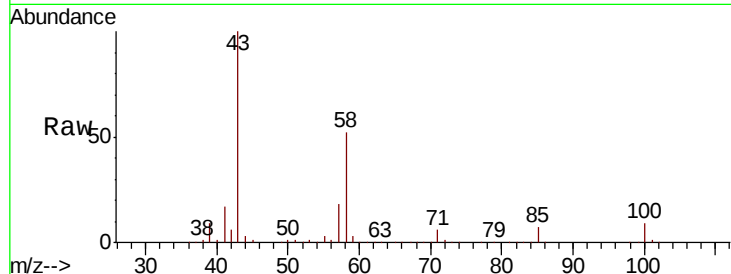
#59
2-Hexanone
Concen: 279.960 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	558994
Ion Ratio	100	Lower	Upper
58	51.9	26.1	78.2

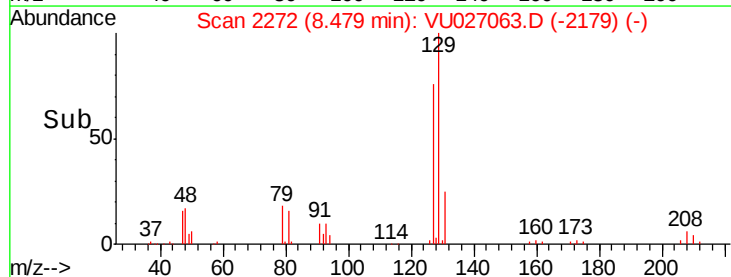
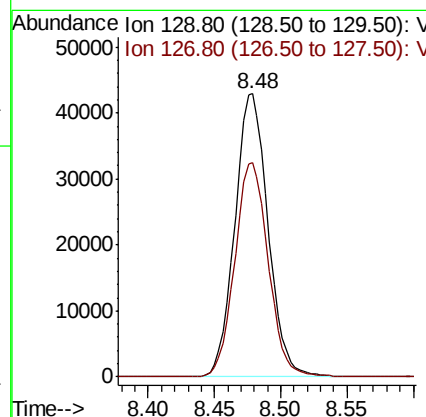
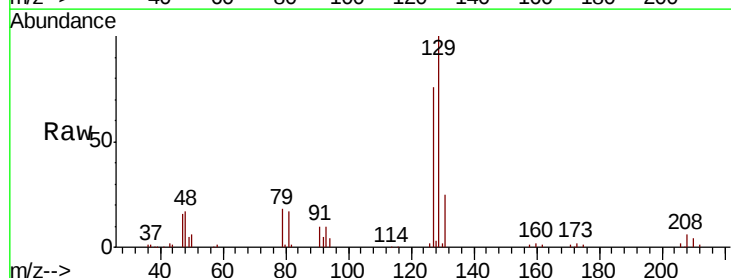
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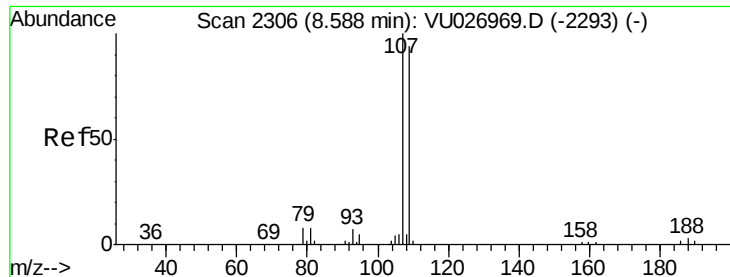
MMDadoda
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#60
Dibromochloromethane
Concen: 53.609 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	129	Resp	74586
Ion Ratio	100	Lower	Upper
127	76.6	38.1	114.5





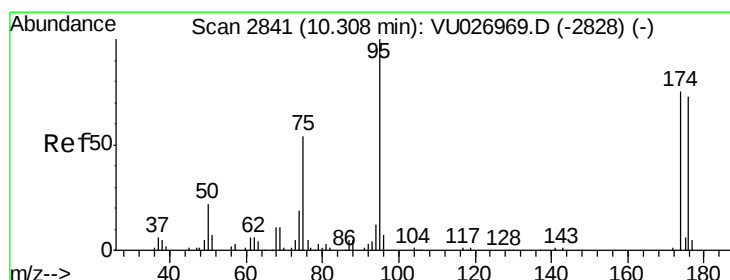
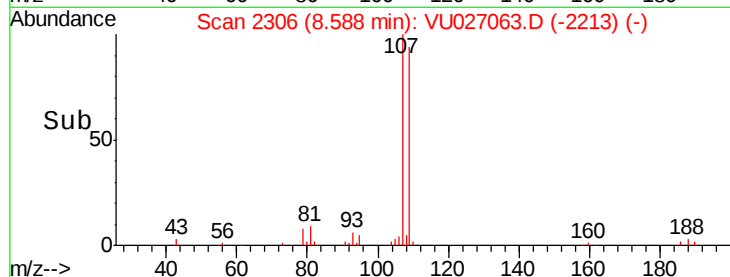
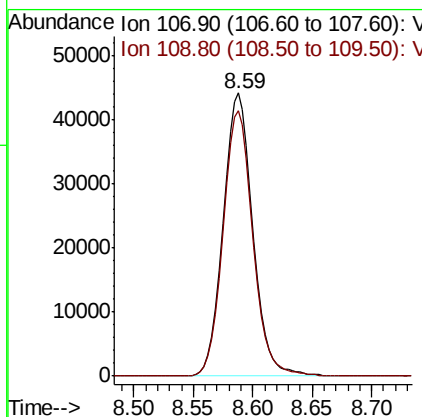
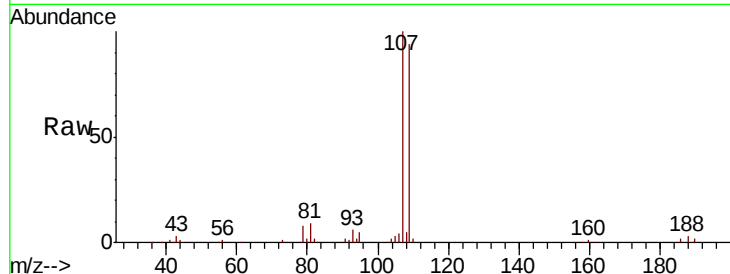
#61
 1,2-Dibromoethane
 Concen: 51.543 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.6

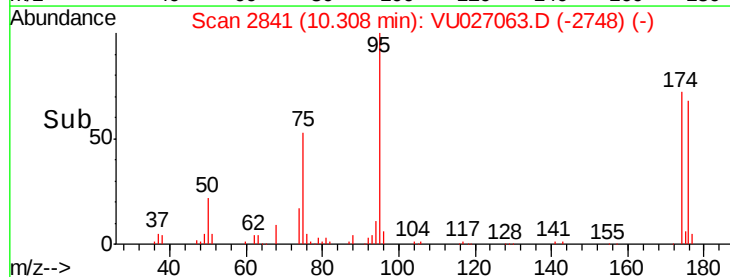
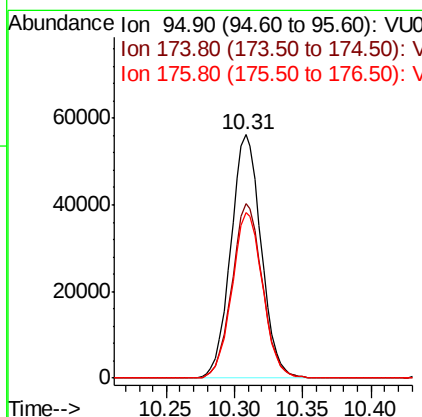
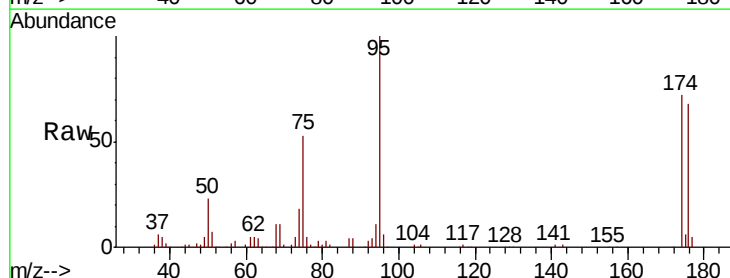
Manual Integrations
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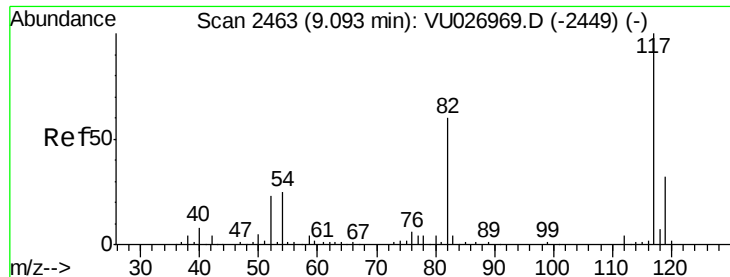
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 53.136 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	150.2
176	68.8	0.0	145.2





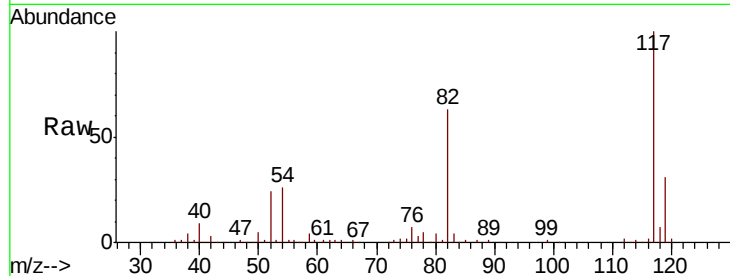
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	48.0	72.0
119	31.4	25.8	38.8

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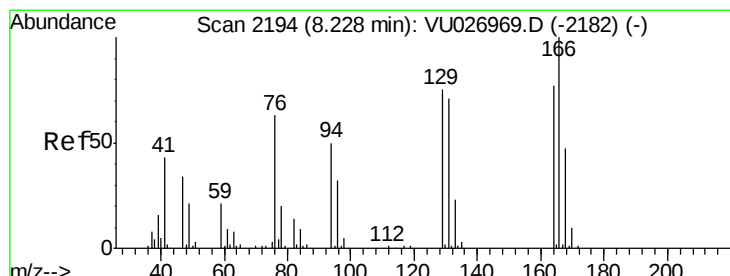
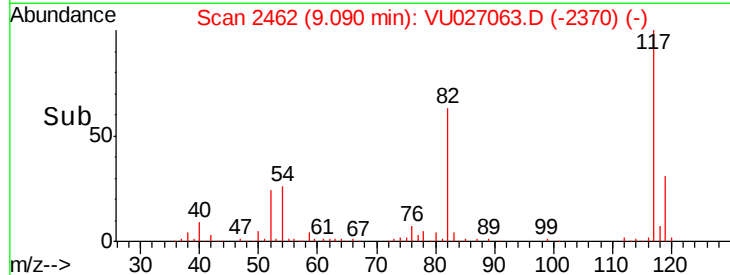
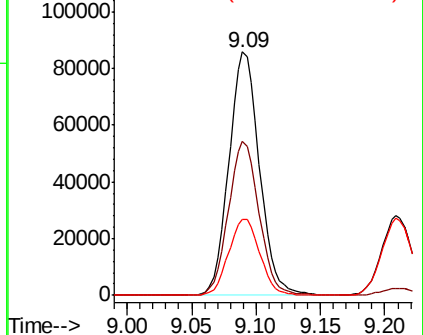


Abundance

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: 50.592 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	104.4	156.6
129	98.9	78.7	118.1
131	93.1	73.9	110.9

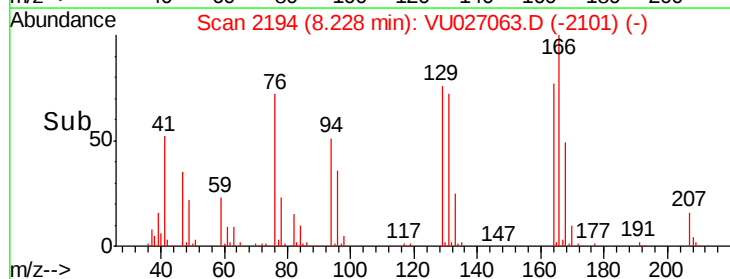
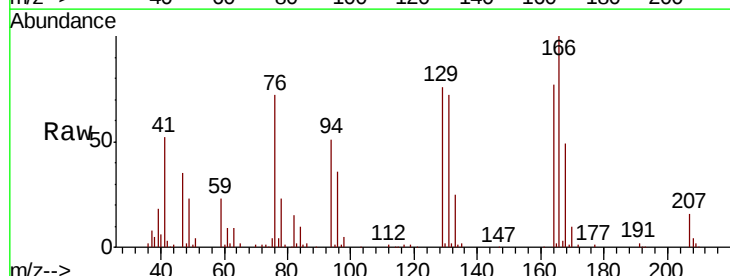
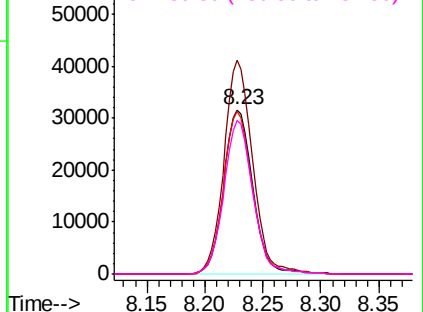
Abundance

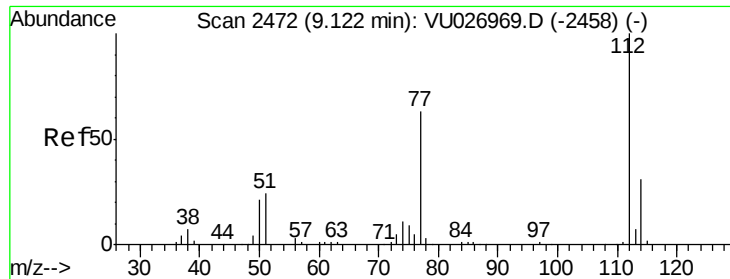
Ion 163.80 (163.50 to 164.50): V

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





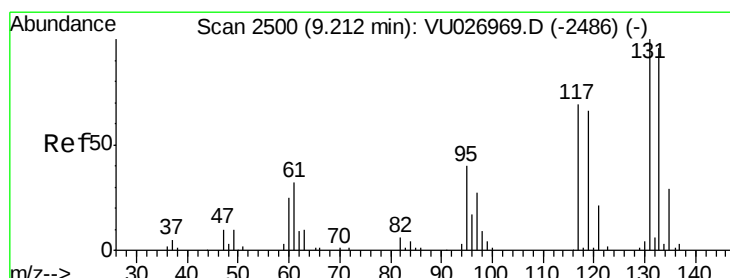
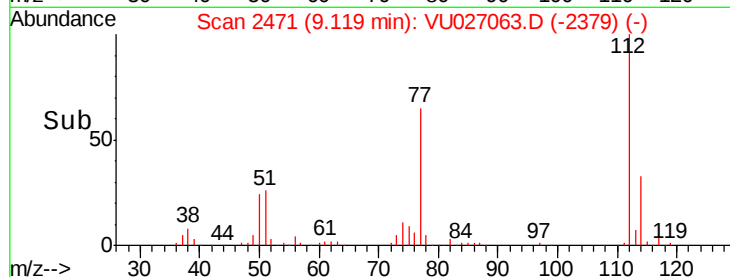
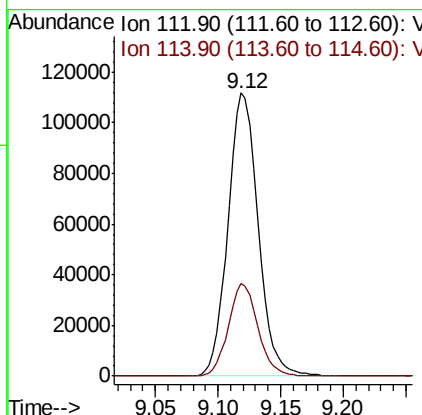
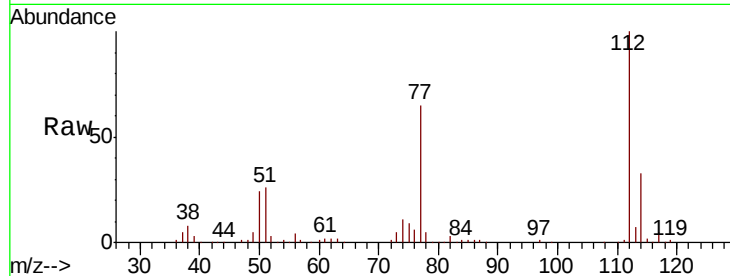
#65
Chlorobenzene
Concen: 49.936 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 186882
Ion Ratio Lower Upper
112 100
114 32.5 25.0 37.6

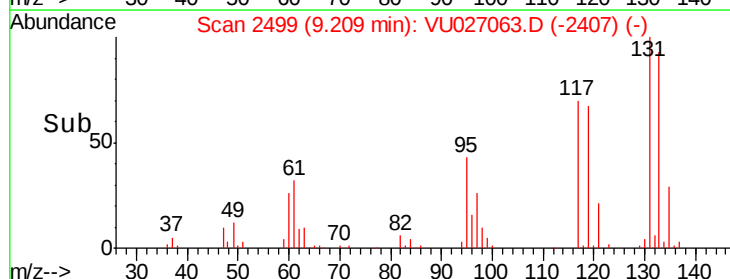
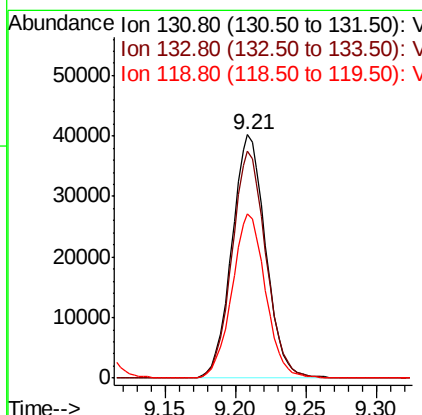
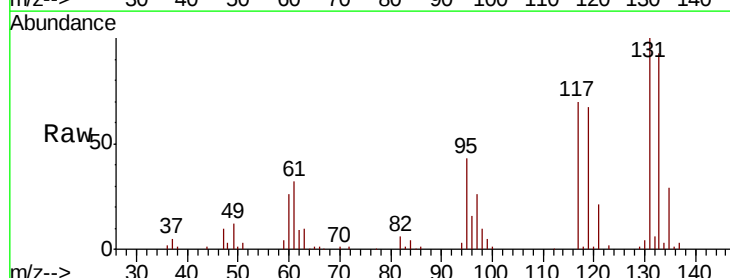
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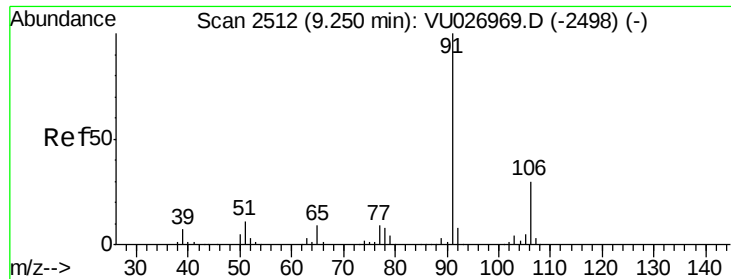
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.343 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion:131 Resp: 67472
Ion Ratio Lower Upper
131 100
133 93.6 48.0 144.2
119 66.8 33.4 100.1





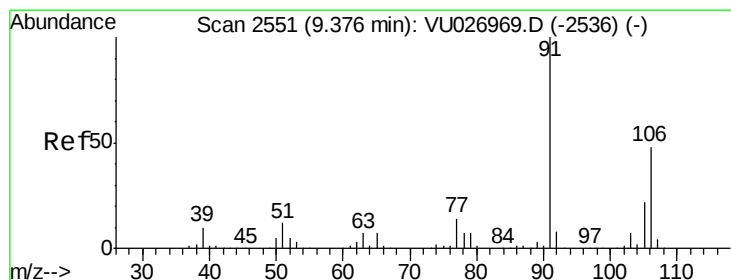
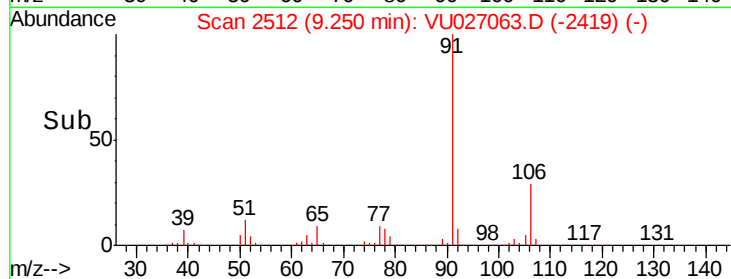
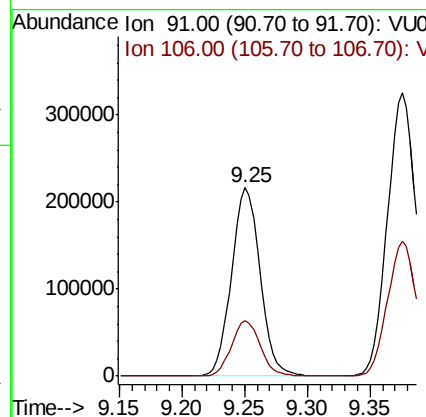
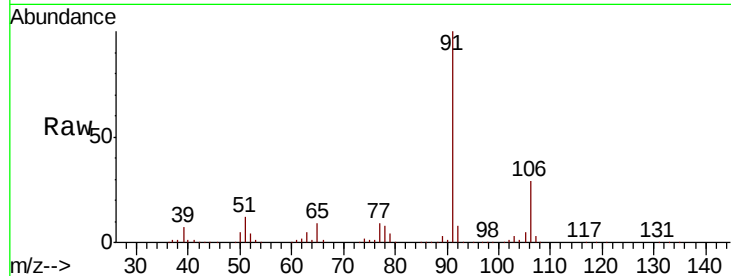
#67
Ethyl Benzene
Concen: 55.849 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 343698
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8

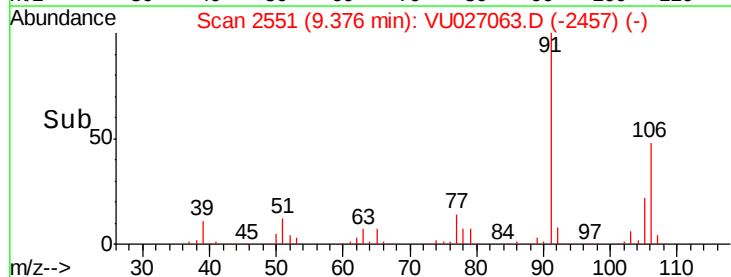
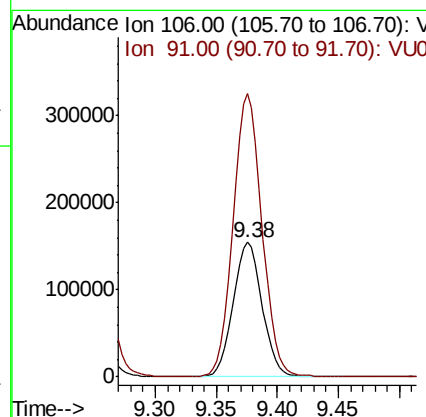
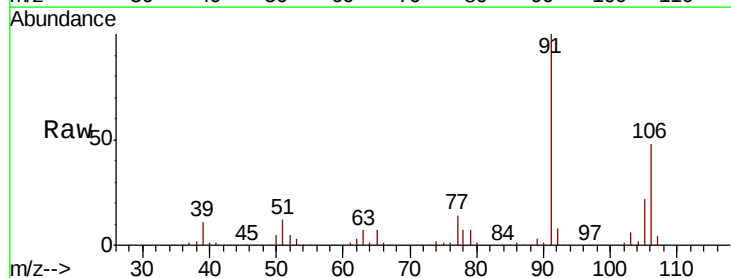
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#68
m/p-Xylenes
Concen: 102.645 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion: 106 Resp: 255922
Ion Ratio Lower Upper
106 100
91 209.5 166.5 249.7





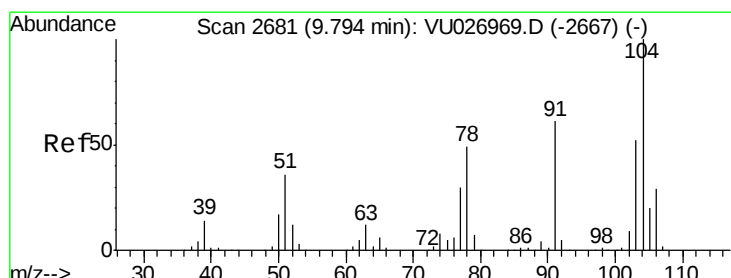
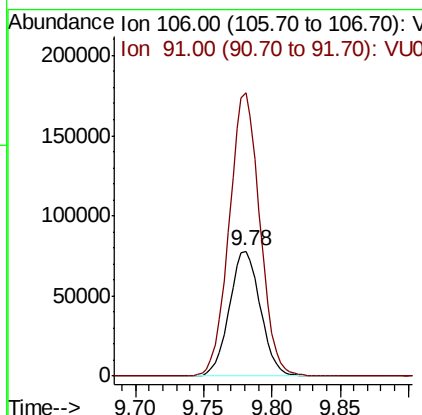
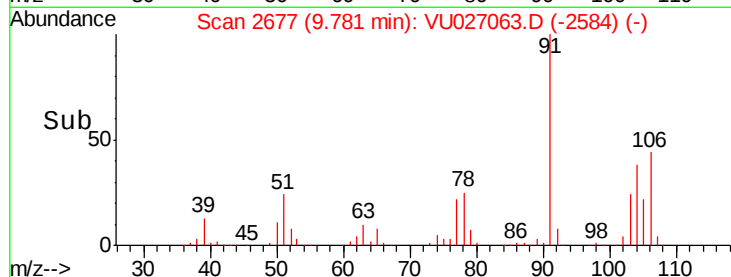
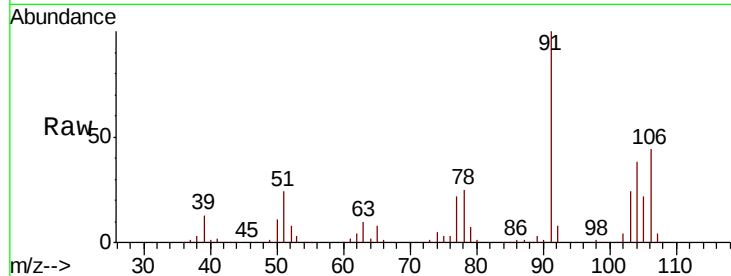
#69
o-Xylene
Concen: 56.444 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.2	110.2	330.6

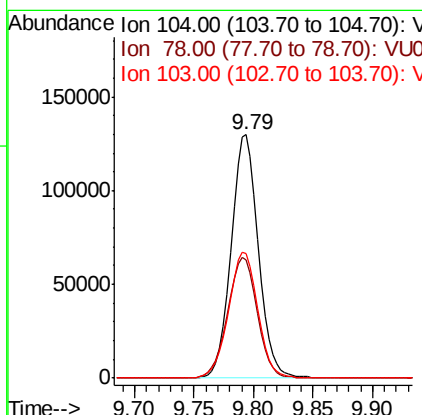
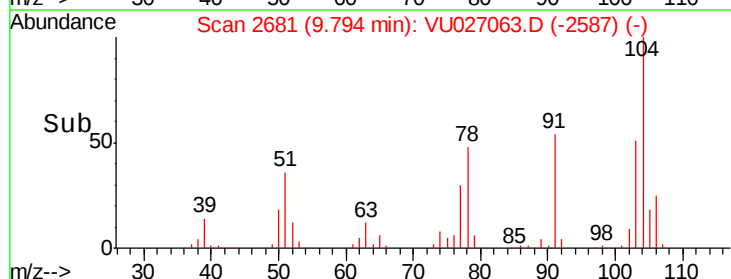
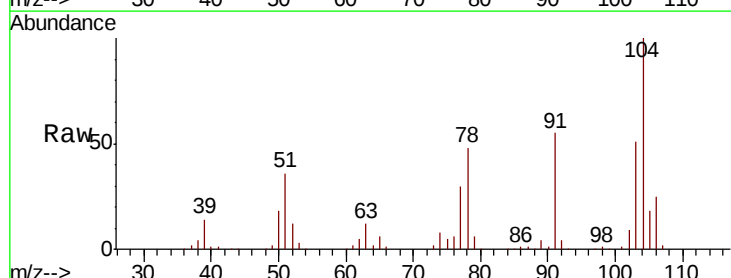
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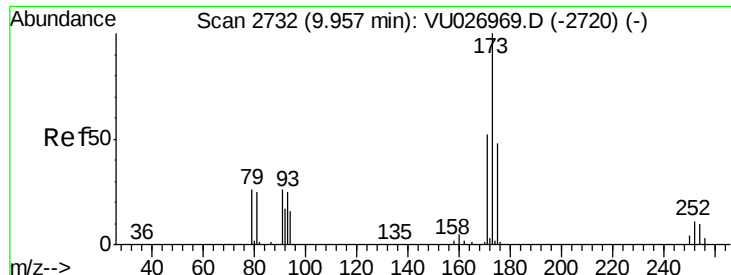
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#70
Styrene
Concen: 50.536 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.0	64.4
103	55.6	44.1	66.1





#71

Bromoform

Concen: 53.484 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 53314

Ion Ratio Lower Upper

173 100

175 49.4 23.9 71.8

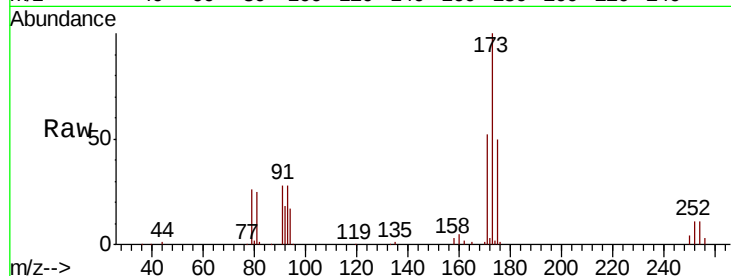
254 0.0 0.0 0.0

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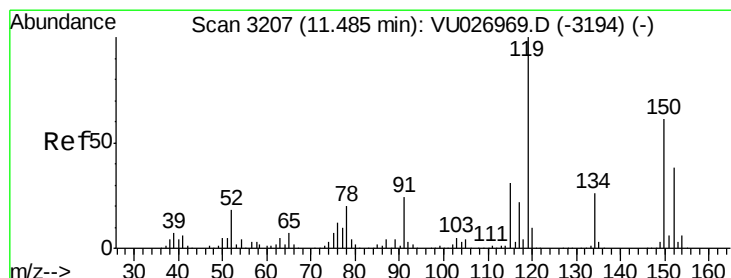
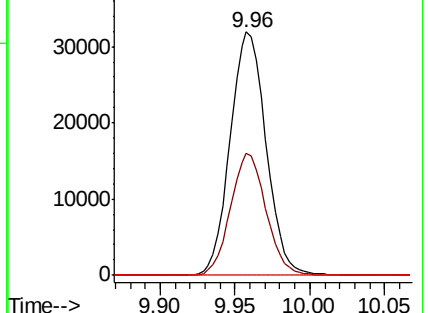
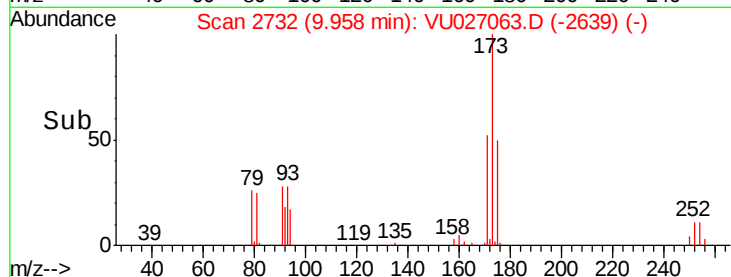
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU027063.D

Acq: 23 Sep 2018 10:20

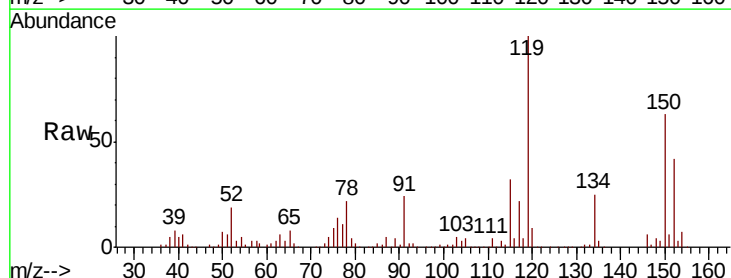
Tgt Ion:152 Resp: 78053

Ion Ratio Lower Upper

152 100

115 89.6 44.9 134.5

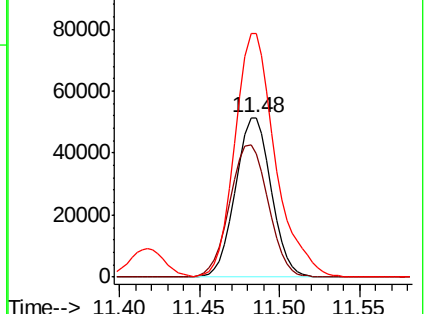
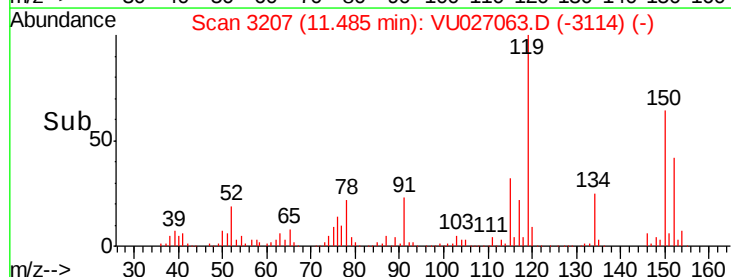
150 173.4 0.0 355.8

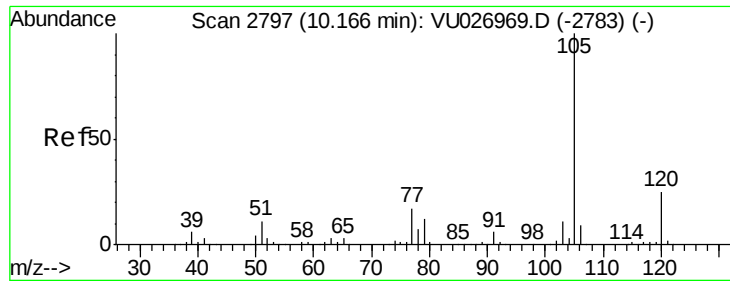


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.303 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 334294

Ion Ratio Lower Upper

105 100

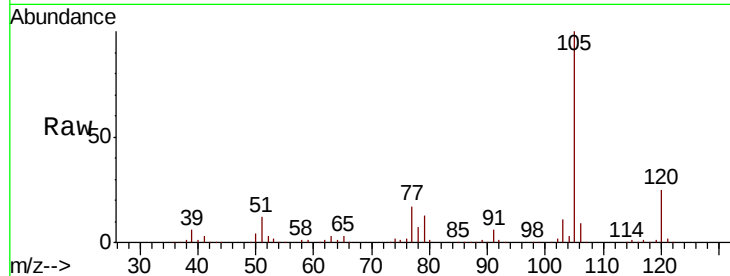
120 25.1 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

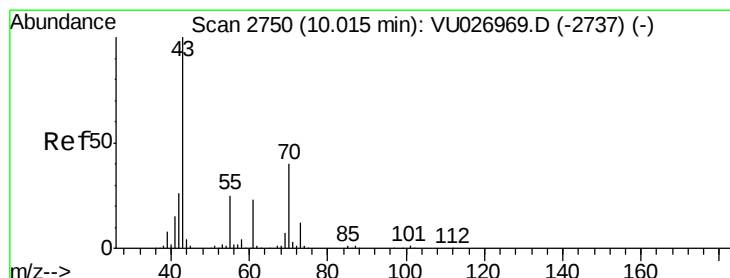
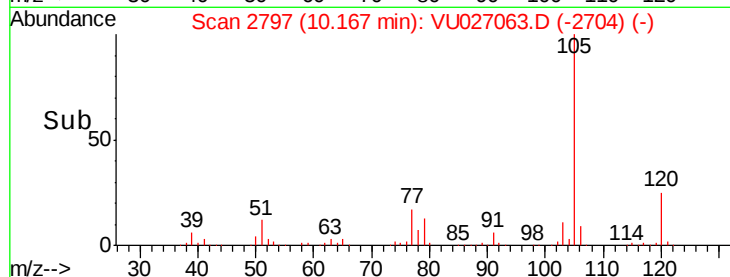
0

10.10

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 57.795 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Tgt Ion: 43 Resp: 198630

Ion Ratio Lower Upper

43 100

70 38.5 31.8 47.8

55 24.3 19.9 29.9

61 22.6 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

150000

100000

50000

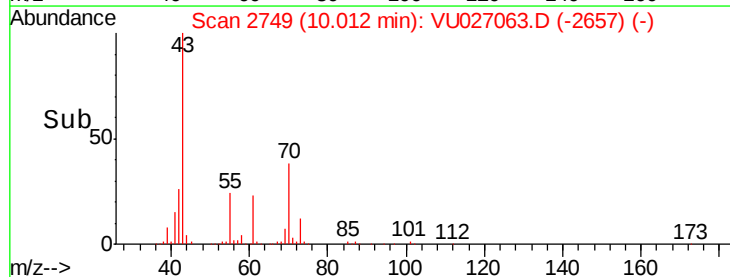
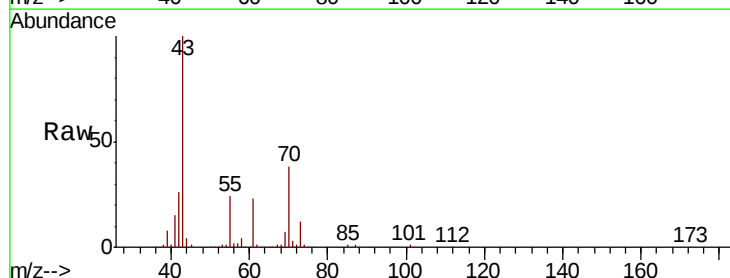
0

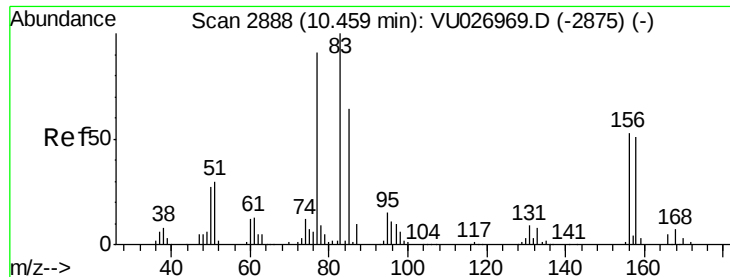
9.90

10.01

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.903 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 130769

Ion Ratio Lower Upper

83 100

131 8.2 4.3 12.8

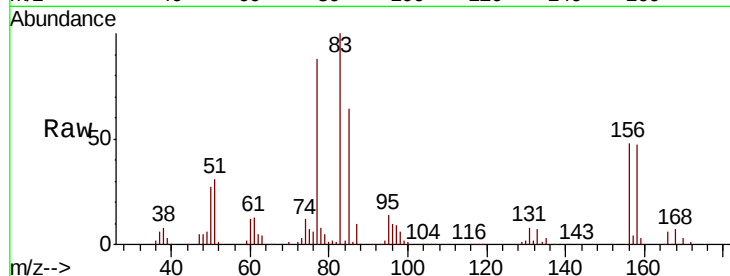
85 64.4 31.9 95.7

Manual Integrations

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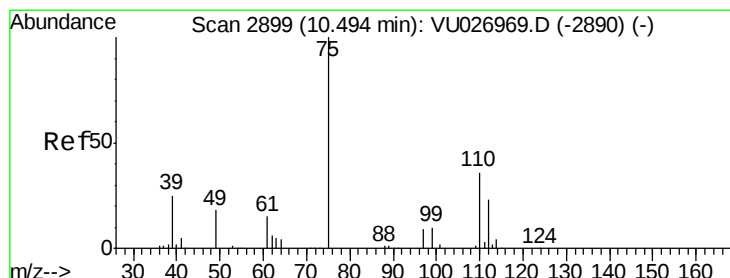
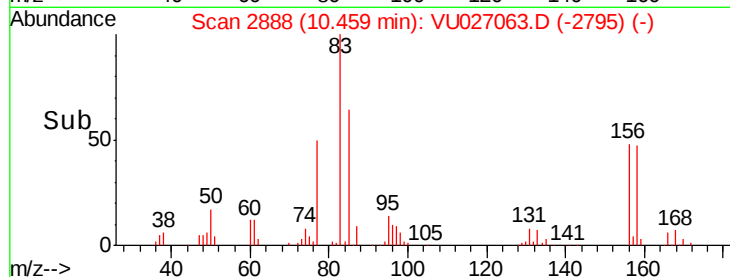
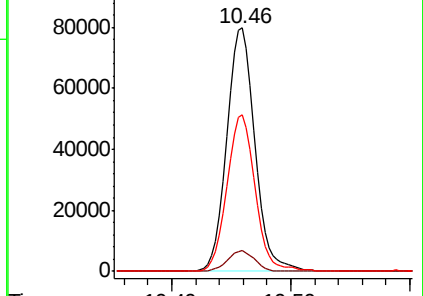
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Abundance Ion 82.90 (82.60 to 83.60): VU026969.D (-2875) (-)

Ion 130.80 (130.50 to 131.50): VU026969.D (-2875) (-)

Ion 84.90 (84.60 to 85.60): VU026969.D (-2875) (-)



#76

1,2,3-Trichloropropane

Concen: 47.812 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027063.D

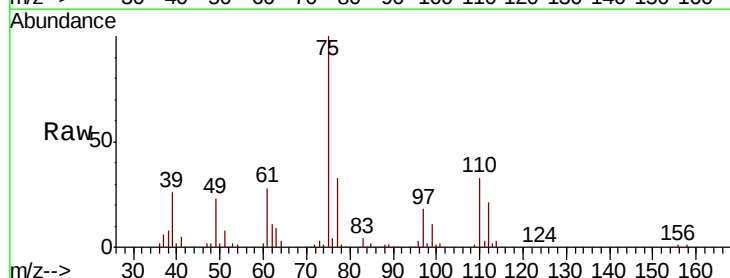
Acq: 23 Sep 2018 10:20

Tgt Ion: 75 Resp: 113374

Ion Ratio Lower Upper

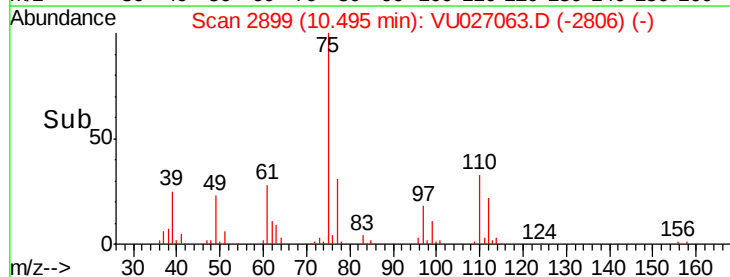
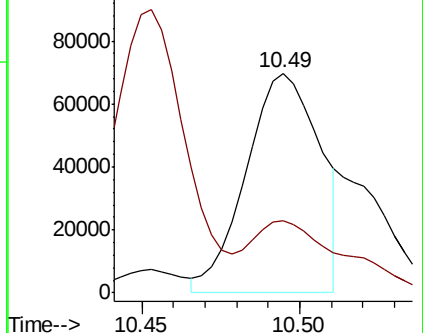
75 100

77 42.5 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026969.D (-2890) (-)





#77

Bromobenzene

Concen: 50.857 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 73789

Ion Ratio Lower Upper

156 100

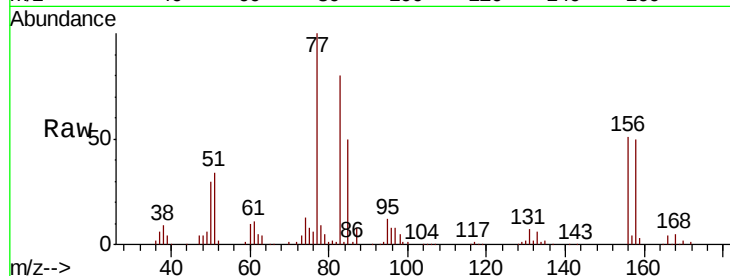
77 196.9 92.3 276.9

158 97.1 48.1 144.3

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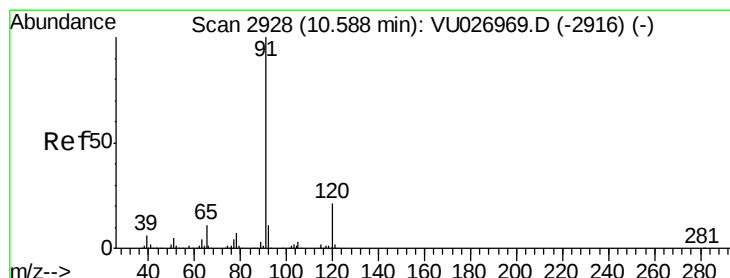
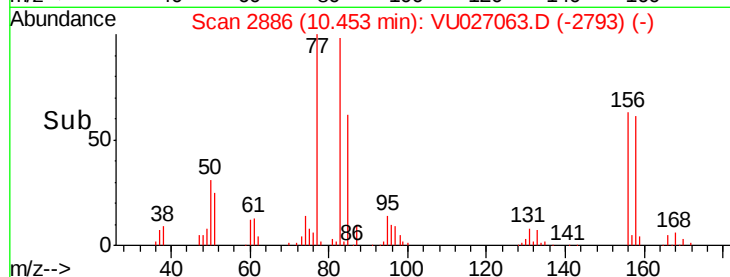
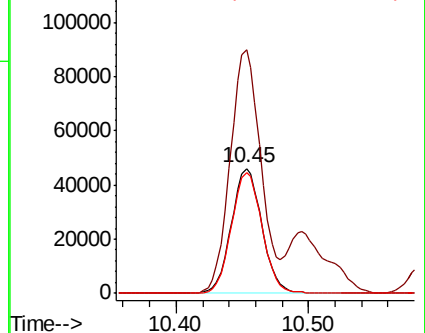
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.549 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027063.D

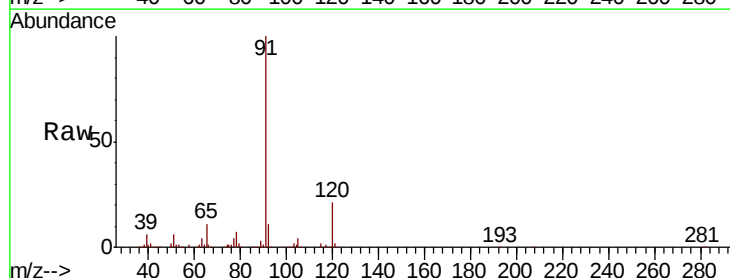
Acq: 23 Sep 2018 10:20

Tgt Ion: 91 Resp: 404297

Ion Ratio Lower Upper

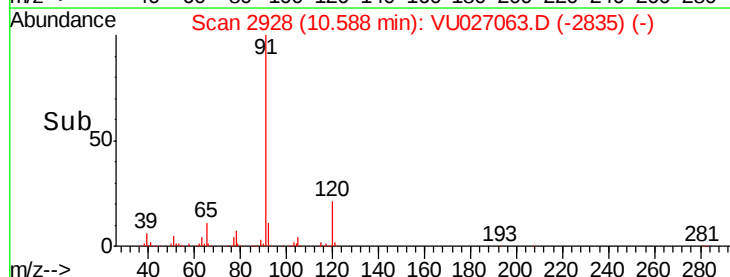
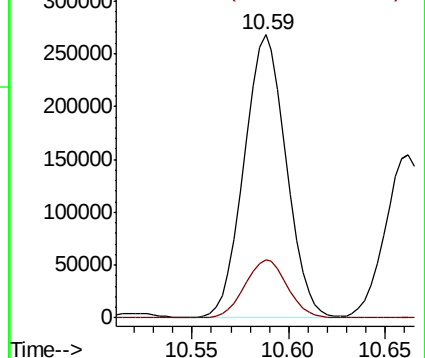
91 100

120 20.7 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





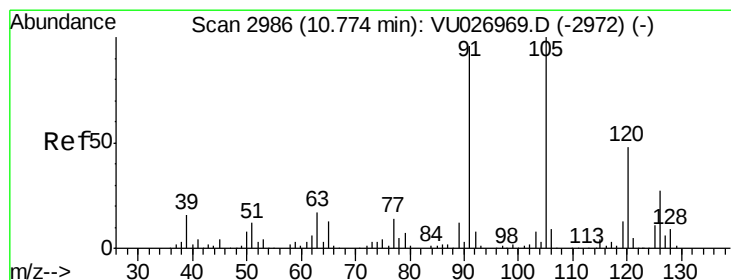
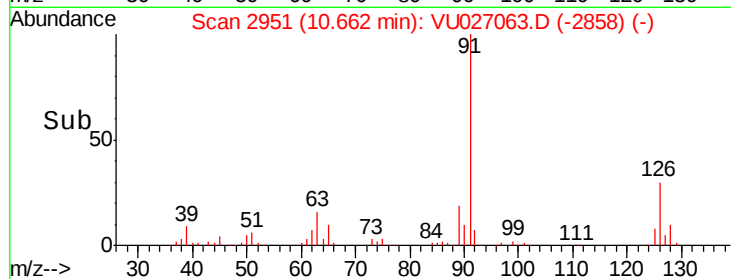
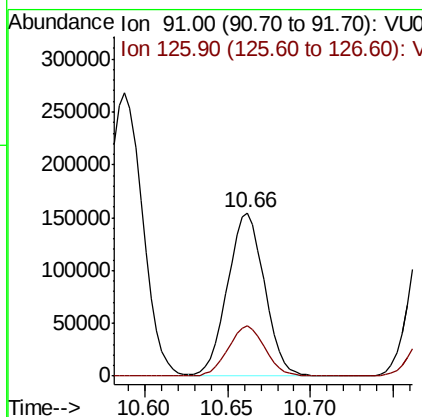
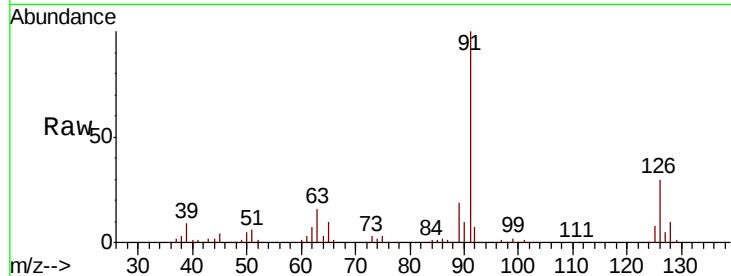
#79
 2-Chlorotoluene
 Concen: 53.897 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 237837
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.8 47.3

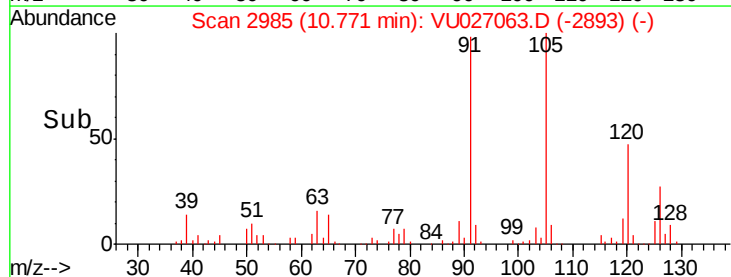
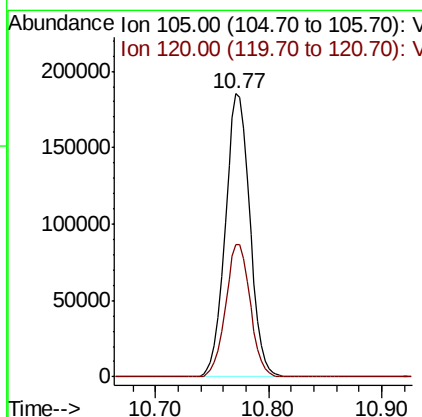
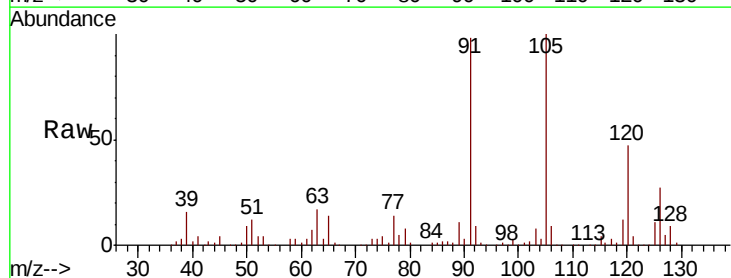
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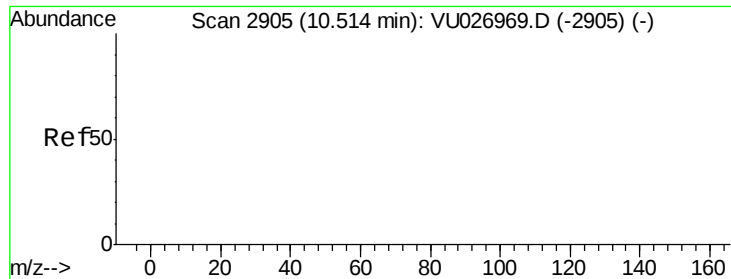
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 56.970 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion: 105 Resp: 279221
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 45.207 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027063.D

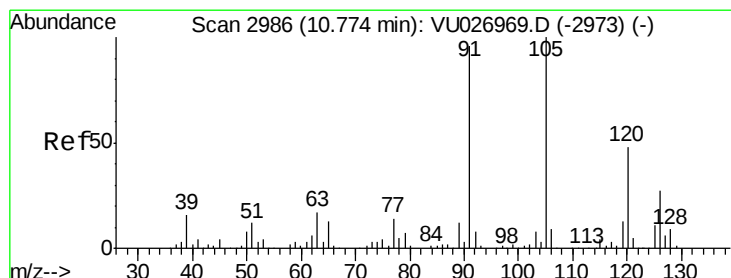
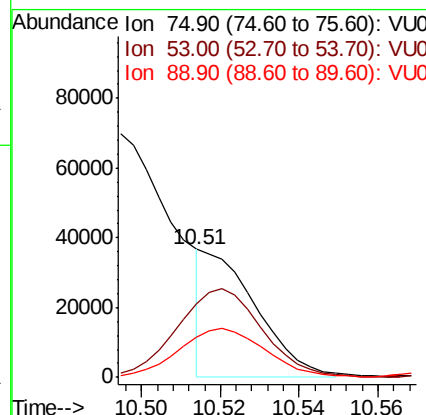
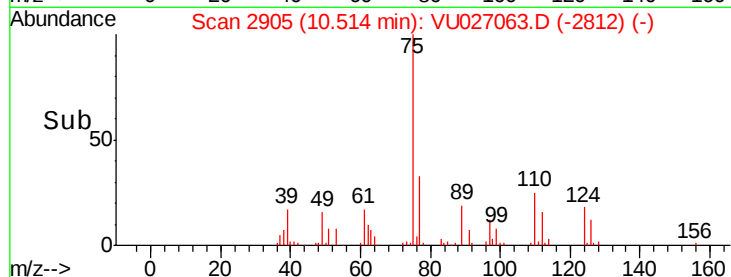
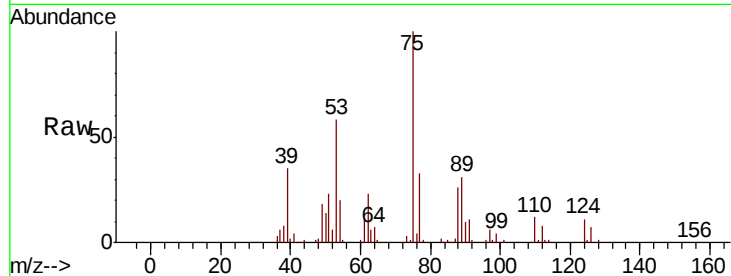
Acq: 23 Sep 2018 10:20

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

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#82

4-Chlorotoluene

Concen: 55.466 ug/l

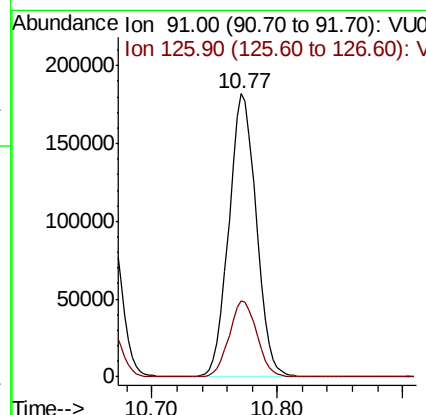
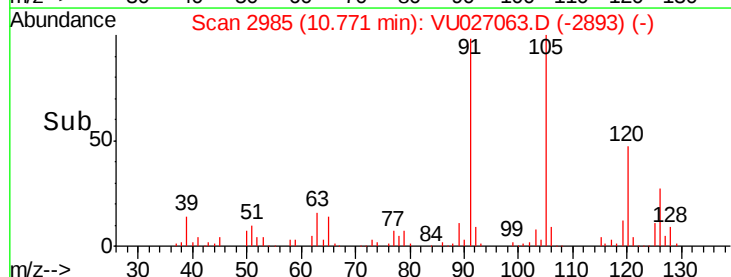
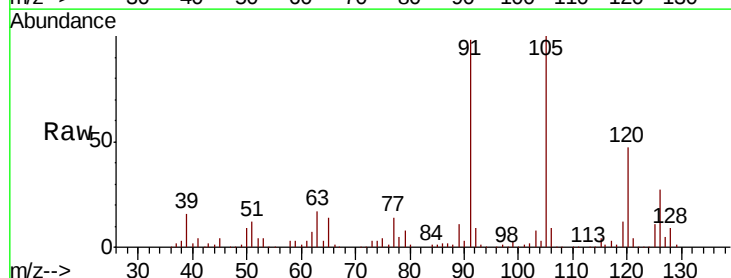
RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.1	42.2





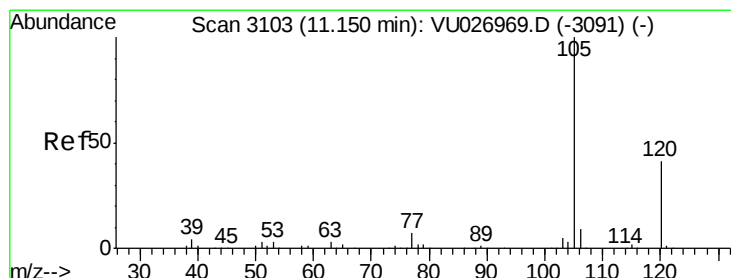
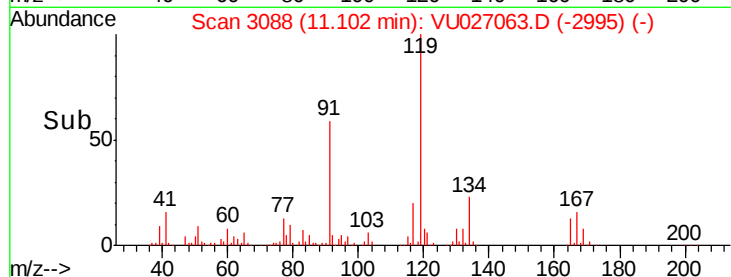
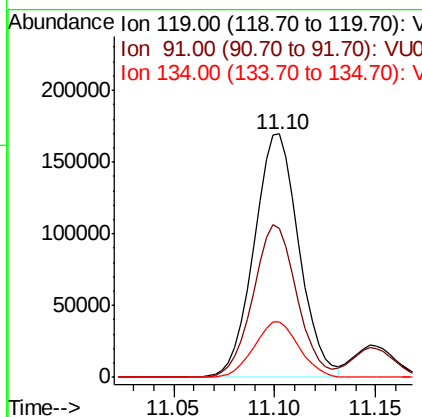
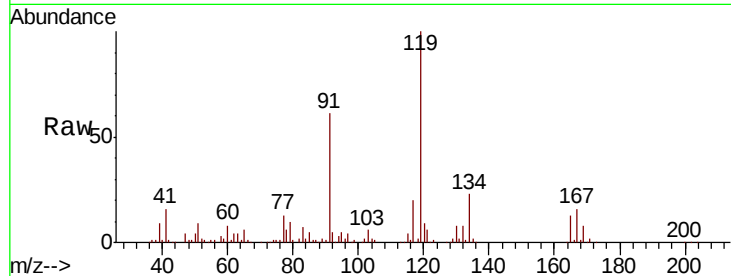
#83
tert-Butylbenzene
Concen: 54.457 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	263878		
91	61.1	29.8	89.4	
134	22.8	11.5	34.4	

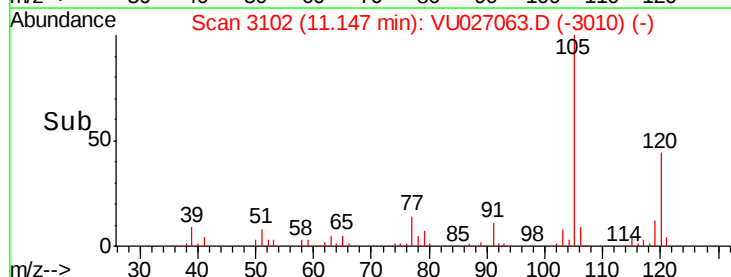
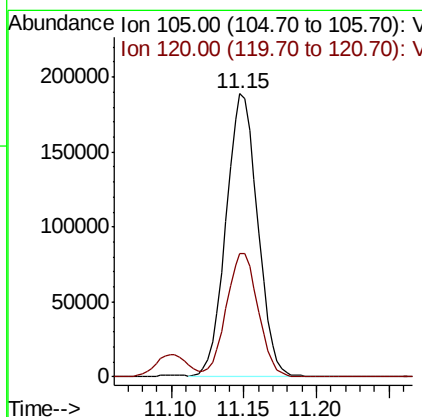
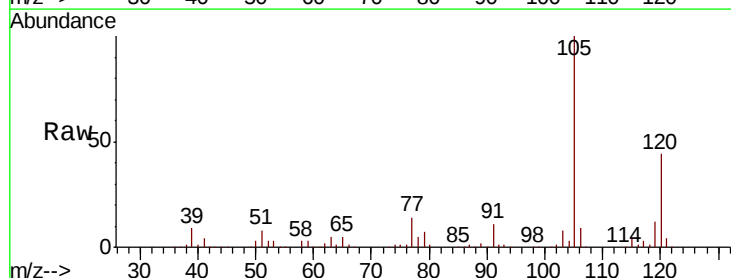
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#84
1,2,4-Trimethylbenzene
Concen: 57.170 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	285160		
120	44.0	22.4	67.2	





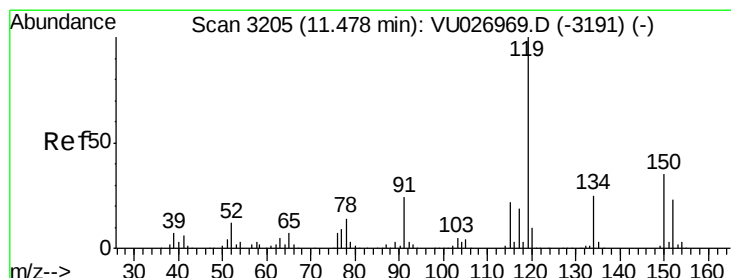
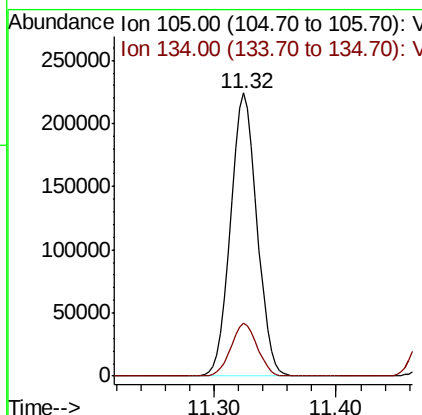
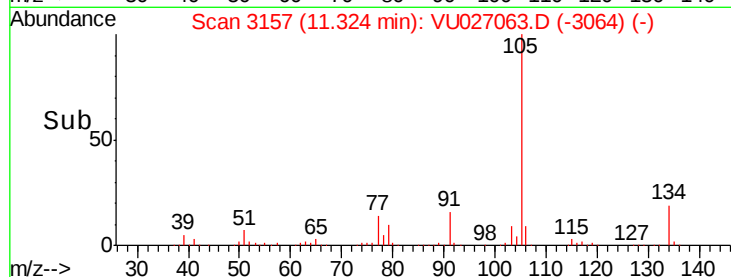
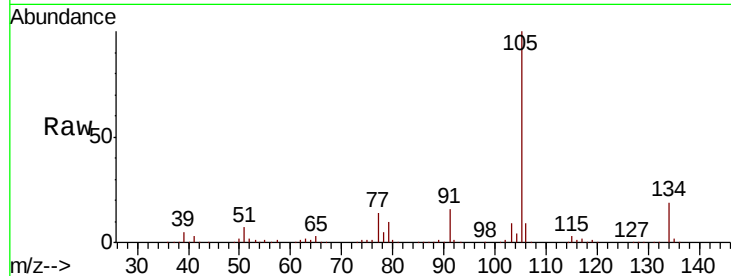
#85
 sec-Butylbenzene
 Concen: 57.209 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.4	28.2

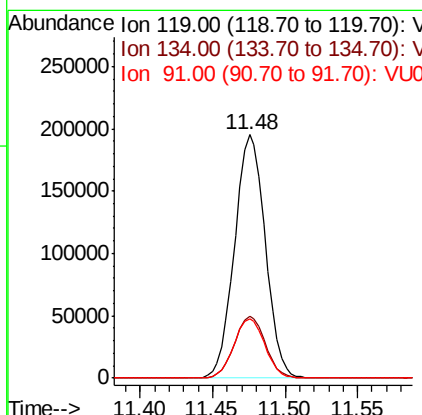
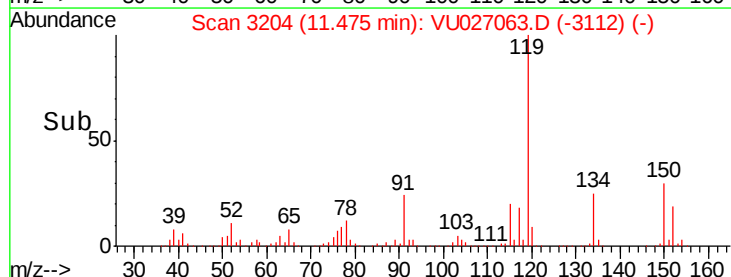
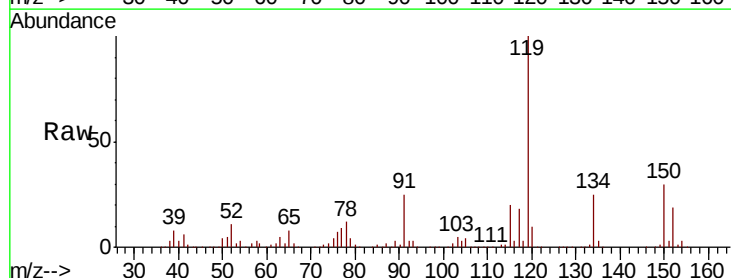
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 51.598 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.3
91	24.7	12.3	36.8





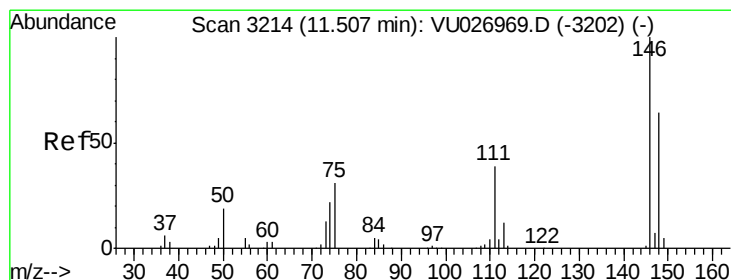
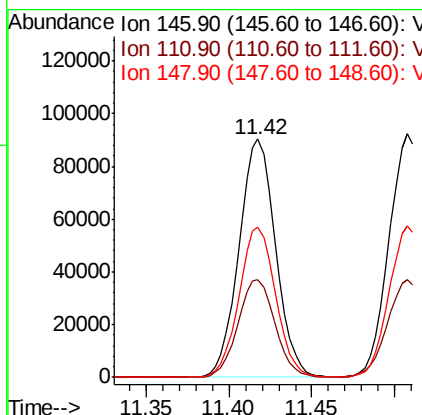
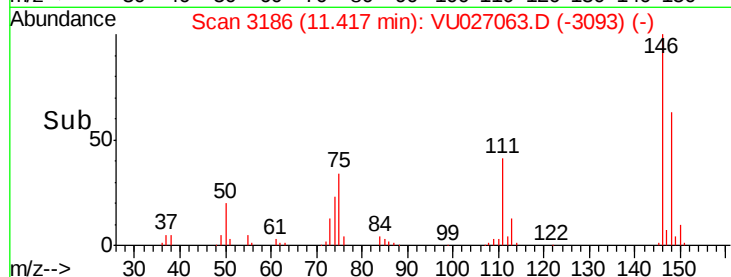
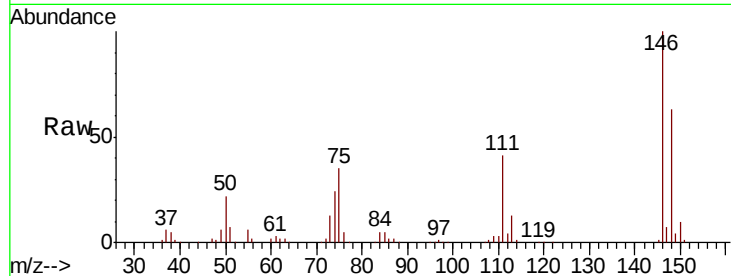
#87
 1,3-Dichlorobenzene
 Concen: 51.321 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.2
148	63.1	32.0	96.2

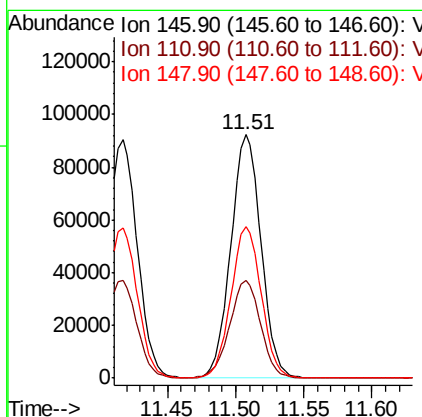
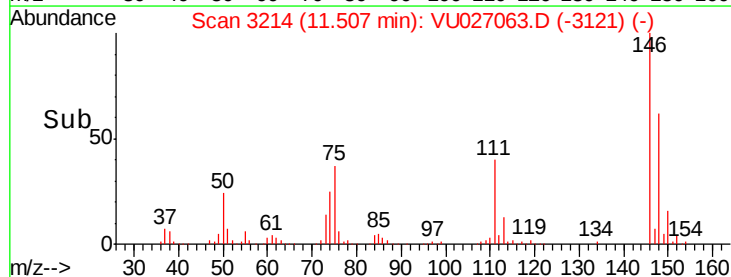
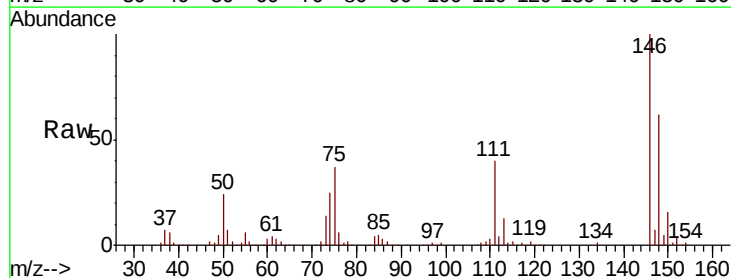
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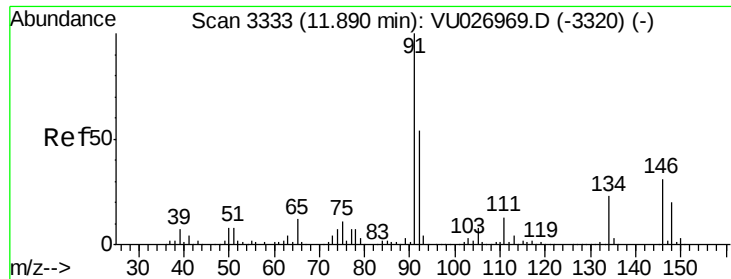
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#88
 1,4-Dichlorobenzene
 Concen: 48.165 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	62.8	31.9	95.9





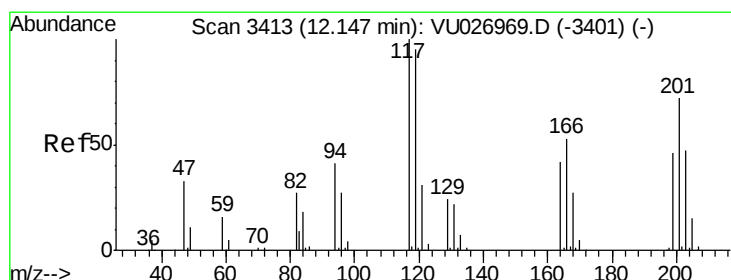
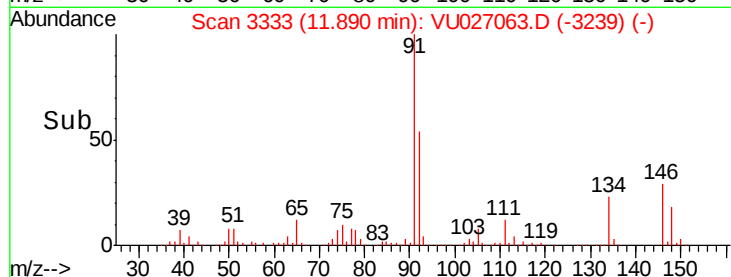
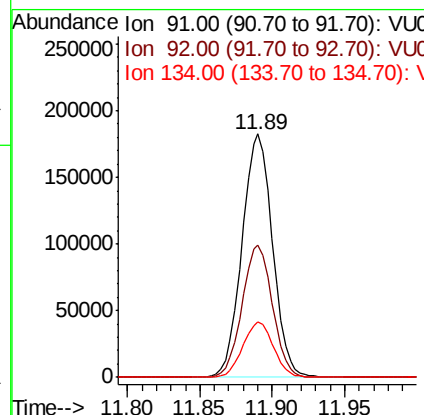
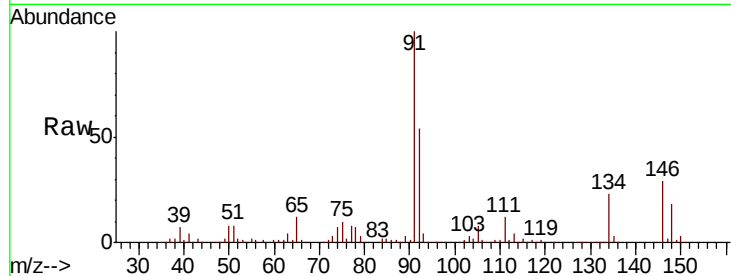
#89
n-Butylbenzene
Concen: 49.614 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	22.9	11.7	35.0

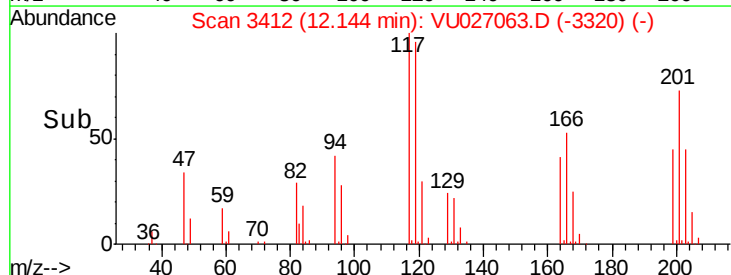
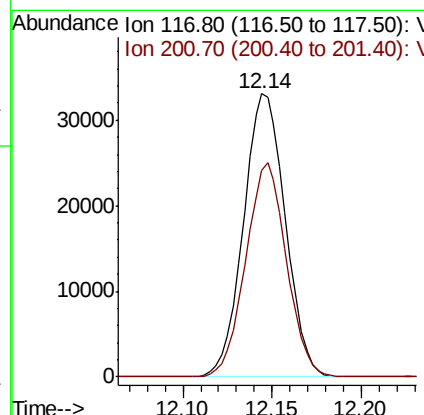
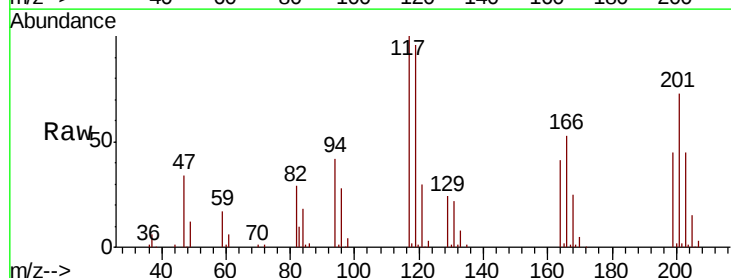
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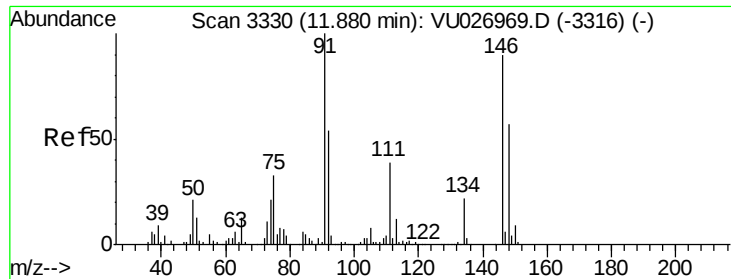
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#90
Hexachloroethane
Concen: 50.199 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU027063.D
Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	36.8	110.3





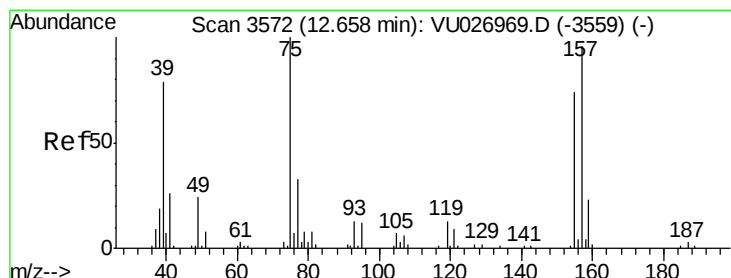
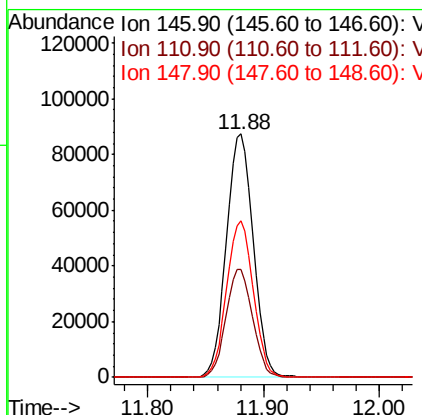
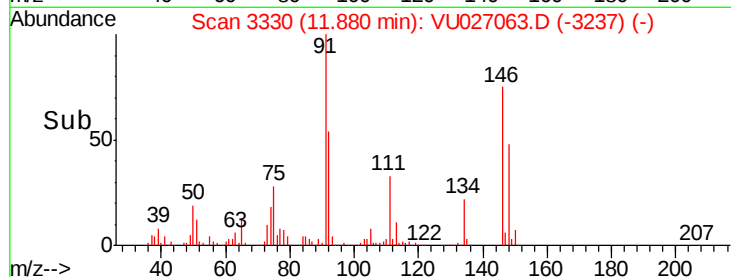
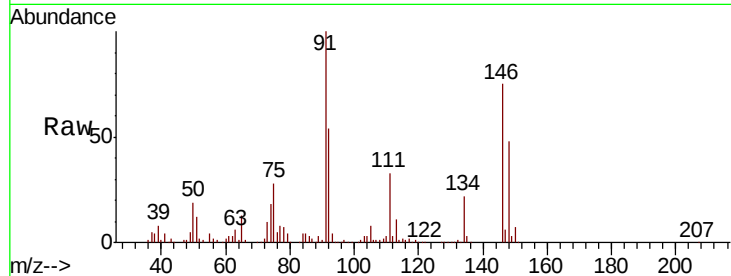
#91
 1,2-Dichlorobenzene
 Concen: 48.541 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.8	65.3
148	63.8	31.9	95.7

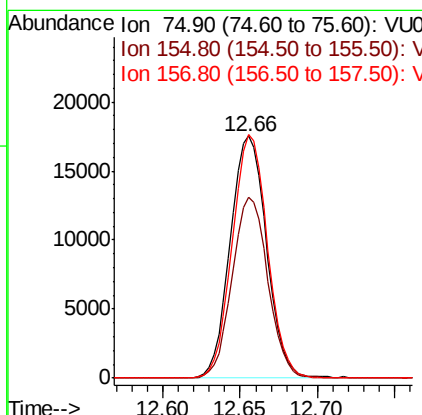
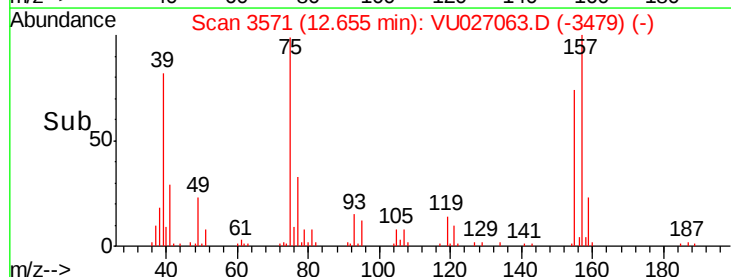
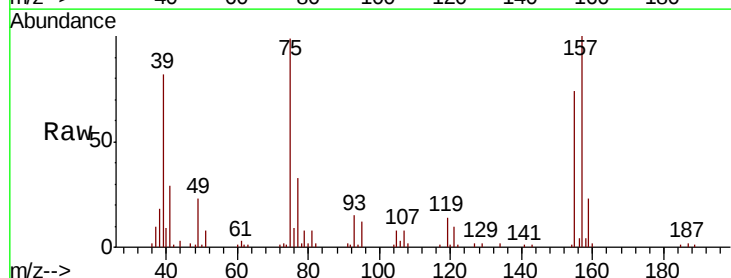
Manual Integrations
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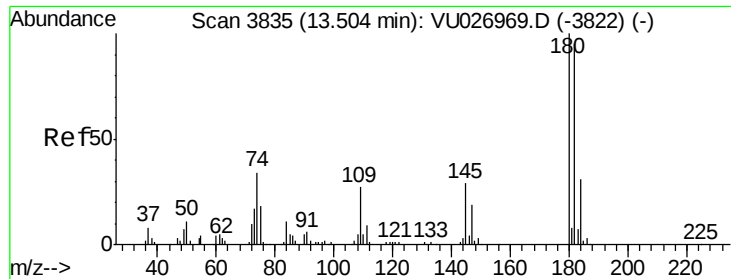
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.250 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.6	36.6	109.8
157	97.1	47.4	142.2





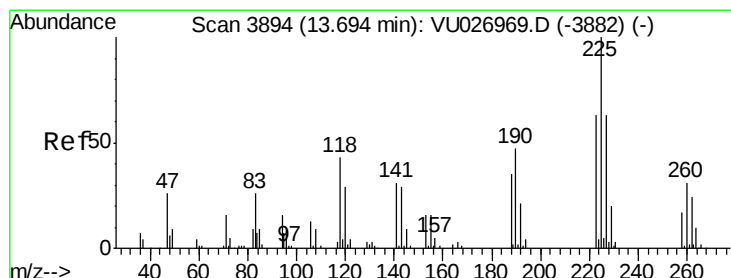
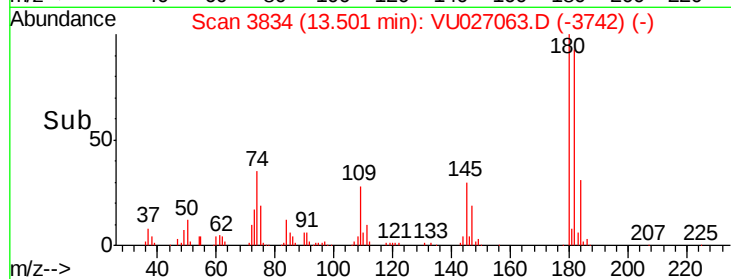
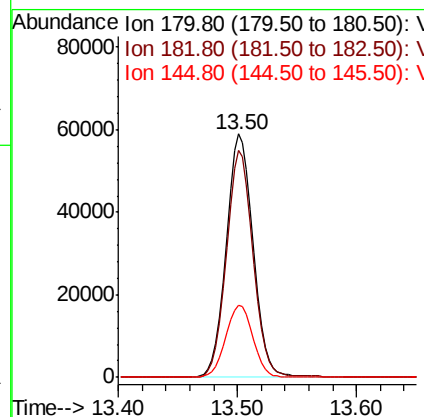
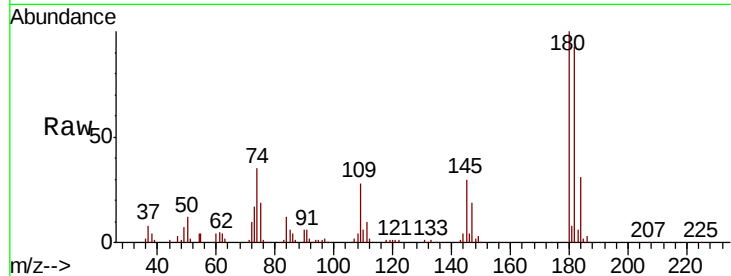
#93
 1,2,4-Trichlorobenzene
 Concen: 55.854 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.4	142.2
145	30.2	14.9	44.5

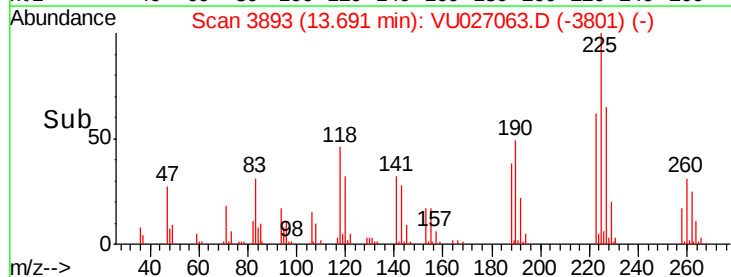
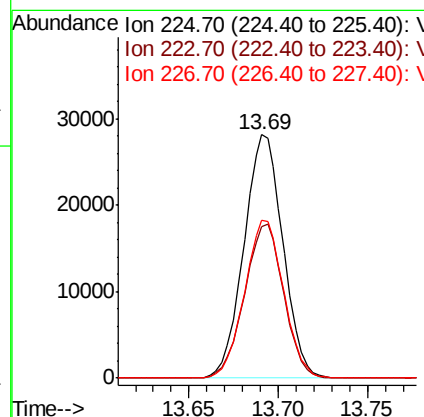
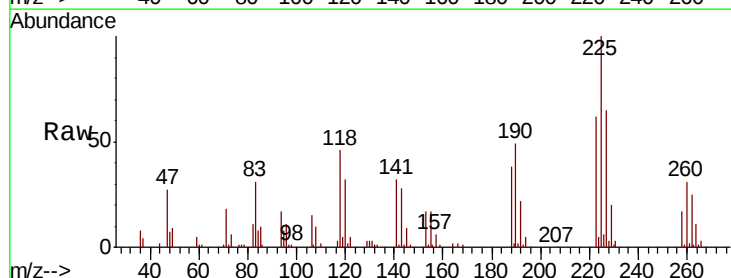
Manual Integrations
 APPROVED

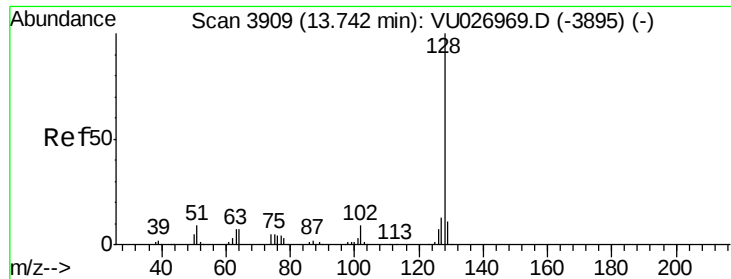
MMDadoda
 9/24/2018 4:40:35 PM



#94
 Hexachlorobutadiene
 Concen: 49.226 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027063.D
 Acq: 23 Sep 2018 10:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.9	95.7
227	65.1	32.1	96.5





#95

Naphthalene

Concen: 51.841 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Instrument :

MSVOA_U

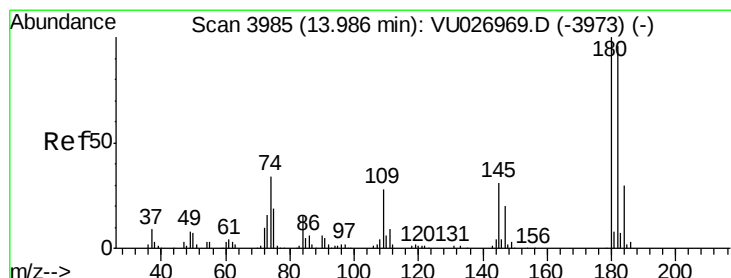
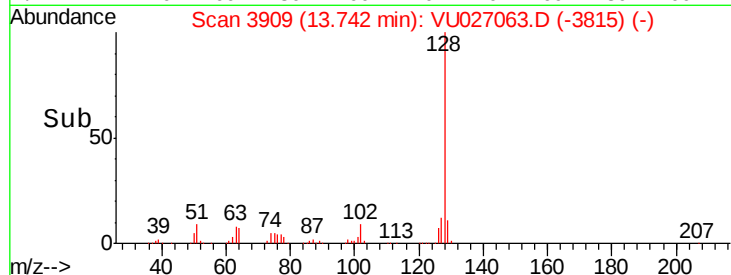
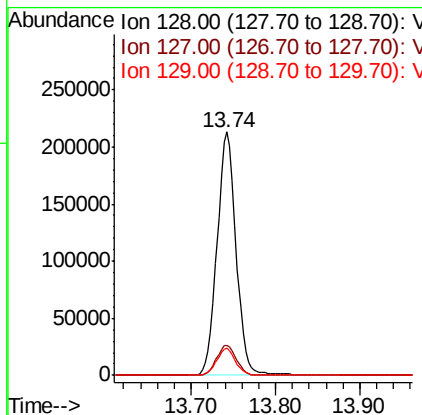
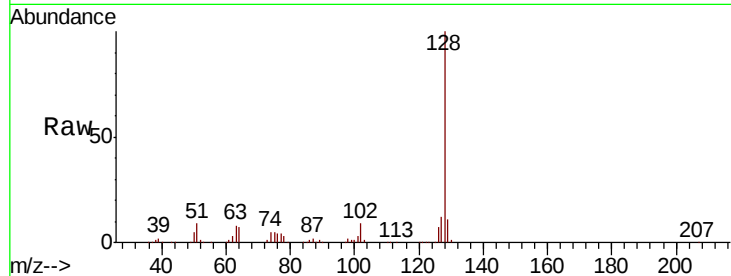
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	335415
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/24/2018 4:40:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.193 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027063.D

Acq: 23 Sep 2018 10:20

Tgt Ion:	180	Resp:	97824
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.5	142.5
145	31.6	15.4	46.4

