

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027093.D
 Acq On : 24 Sep 2018 08:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:12 AM

Quant Time: Sep 25 01:41:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	84043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	139974	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	80198	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.88	113	56746	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
50) Toluene-d8	7.57	98	220265	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	10.31	95	80544	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	49904	45.479	ug/l	97
3) Chloromethane	1.33	50	84823	44.836	ug/l	99
4) Vinyl Chloride	1.40	62	81546	46.177	ug/l	98
5) Bromomethane	1.62	94	41978	41.742	ug/l	99
6) Chloroethane	1.69	64	52027	46.109	ug/l	99
7) Trichlorofluoromethane	1.88	101	94898	47.314	ug/l	97
8) Diethyl Ether	2.10	74	46363	48.024	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	58495	47.432	ug/l	99
10) Methyl Iodide	2.41	142	55248	36.121	ug/l	99
11) Tert butyl alcohol	2.82	59	87806	226.476	ug/l	99
12) 1,1-Dichloroethene	2.28	96	53787	46.338	ug/l	98
13) Acrolein	2.19	56	47807	228.743	ug/l	99
14) Allyl chloride	2.59	41	125771	53.422	ug/l	95
15) Acrylonitrile	2.93	53	237707	243.262	ug/l	98
16) Acetone	2.32	43	265591	298.830	ug/l	100
17) Carbon Disulfide	2.48	76	172359	45.581	ug/l	100
18) Methyl Acetate	2.61	43	122472	50.870	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	221078	51.829	ug/l	100
20) Methylene Chloride	2.70	84	68665	45.327	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	60164	48.546	ug/l	97
22) Diisopropyl ether	3.57	45	275569	54.724	ug/l	98
23) Vinyl Acetate	3.52	43	1173584	273.405	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138760	50.032	ug/l	100
25) 2-Butanone	4.26	43	362614	255.089	ug/l	99
26) 2,2-Dichloropropane	4.23	77	111993	51.778	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	69008	49.306	ug/l	95
28) Bromochloromethane	4.55	49	70525	52.752	ug/l	94
29) Tetrahydrofuran	4.64	42	219545	255.307	ug/l	97
30) Chloroform	4.67	83	124910	48.520	ug/l	99
31) Cyclohexane	5.00	56	130387	51.738	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	104223	50.705	ug/l	98
36) 1,1-Dichloropropene	5.14	75	95533	51.139	ug/l	98
37) Ethyl Acetate	4.38	43	124945	49.406	ug/l	99
38) Carbon Tetrachloride	5.13	117	87824	49.402	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	112336	55.335	ug/l	98
40) Benzene	5.39	78	282118	49.677	ug/l	100
41) Methacrylonitrile	4.54	41	72962	55.552	ug/l	97
42) 1,2-Dichloroethane	5.41	62	108860	50.736	ug/l	99
43) Isopropyl Acetate	5.55	43	196209	53.200	ug/l	98
44) Trichloroethene	6.19	130	60600	50.124	ug/l	97
45) 1,2-Dichloropropane	6.43	63	82757	51.143	ug/l	97
46) Dibromomethane	6.56	93	48462	49.589	ug/l	98
47) Bromodichloromethane	6.76	83	98500	49.846	ug/l	99
48) Methyl methacrylate	6.62	41	99559	49.605	ug/l	98
49) 1,4-Dioxane	6.61	88	37479	940.027	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	657094	264.904	ug/l	99
52) Toluene	7.64	92	169652	52.117	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	116574	54.906	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	125171	53.618	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	68539	49.690	ug/l	99
56) Ethyl methacrylate	8.02	69	115306	48.259	ug/l	97
57) 1,3-Dichloropropane	8.24	76	131627	51.308	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	347248	255.554	ug/l	98
59) 2-Hexanone	8.36	43	513284	264.351	ug/l	100
60) Dibromochloromethane	8.48	129	68555	50.670	ug/l	97
61) 1,2-Dibromoethane	8.59	107	71605	49.894	ug/l	99
64) Tetrachloroethene	8.23	164	51506	48.530	ug/l	97
65) Chlorobenzene	9.12	112	173997	47.645	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62591	49.759	ug/l	99
67) Ethyl Benzene	9.25	91	321549	53.545	ug/l	99
68) m/p-Xylenes	9.38	106	238915	98.263	ug/l	97
69) o-Xylene	9.78	106	114640	53.879	ug/l	98
70) Styrene	9.79	104	192680	48.554	ug/l	99
71) Bromoform	9.96	173	50539	51.956	ug/l #	99
73) Isopropylbenzene	10.17	105	314200	54.164	ug/l	99
74) N-amyl acetate	10.01	43	179407	53.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	121541	45.570	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	105010m	45.327	ug/l	
77) Bromobenzene	10.45	156	69377	48.941	ug/l	95
78) n-propylbenzene	10.59	91	388158	56.551	ug/l	99
79) 2-Chlorotoluene	10.66	91	224636	52.103	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	265630	55.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41872m	57.839	ug/l	
82) 4-Chlorotoluene	10.77	91	262487	54.297	ug/l	98
83) tert-Butylbenzene	11.10	119	250859	52.988	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	271830	55.780	ug/l	99
85) sec-Butylbenzene	11.32	105	323296	55.943	ug/l	99
86) p-Isopropyltoluene	11.48	119	277103	51.080	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	130999	49.660	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	132912	46.230	ug/l	99
89) n-Butylbenzene	11.89	91	268069	50.948	ug/l	99
90) Hexachloroethane	12.15	117	51422	48.931	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	132046	47.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26875	49.393	ug/l	96

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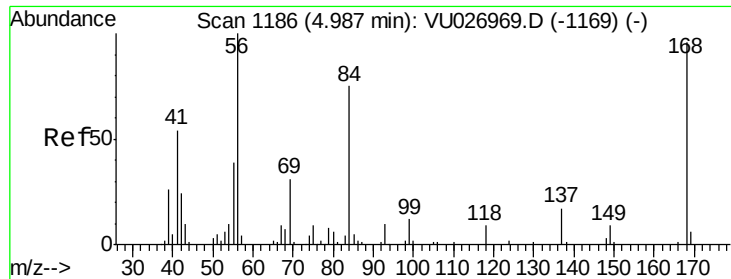
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	86598	53.629	ug/l	98
94) Hexachlorobutadiene	13.69	225	44059	51.567	ug/l	99
95) Naphthalene	13.74	128	297302	47.188	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	90754	52.409	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 84043

Ion Ratio Lower Upper

168 100

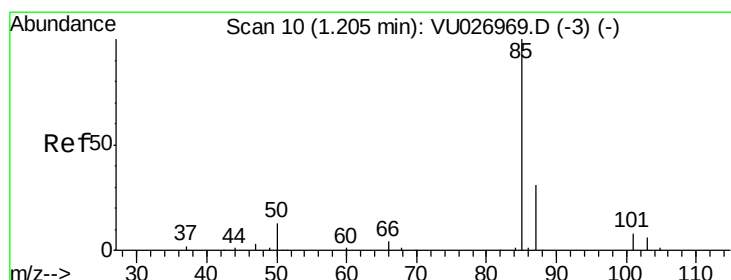
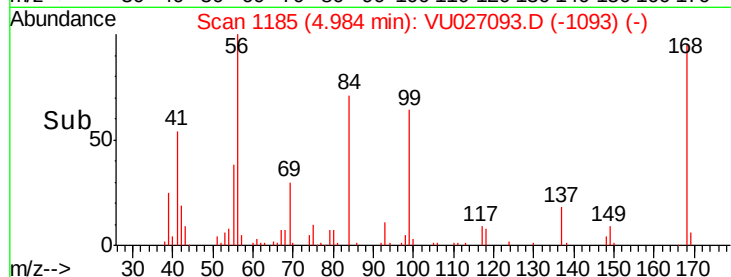
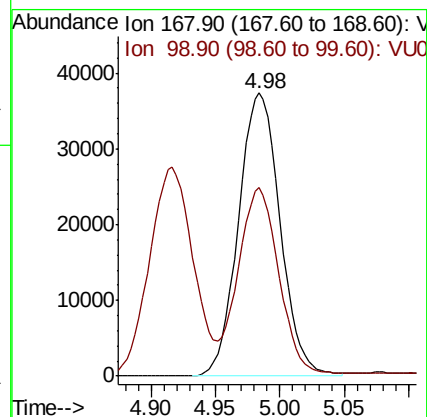
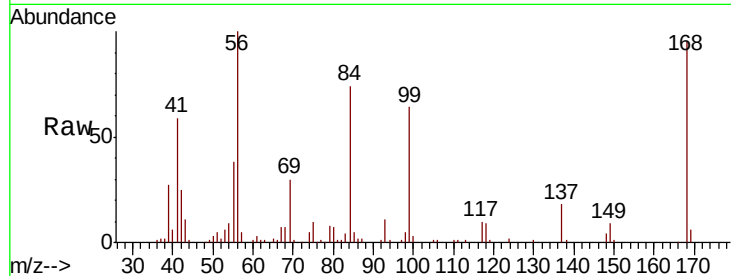
99 65.9 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 45.479 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027093.D

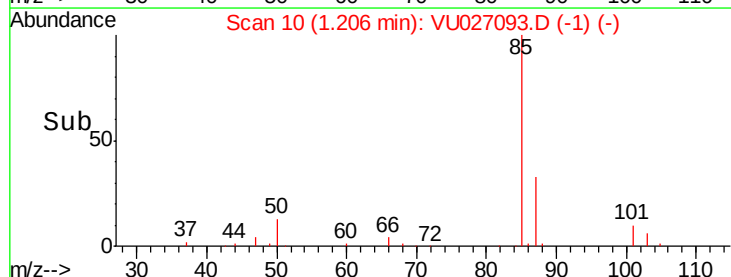
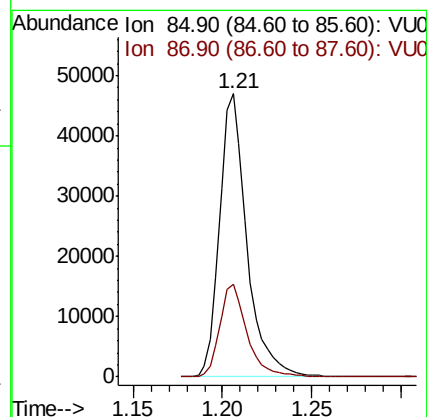
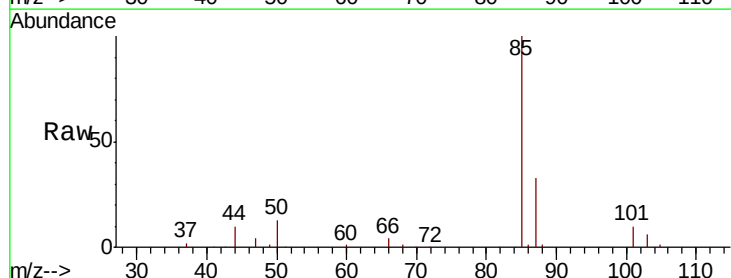
Acq: 24 Sep 2018 08:51

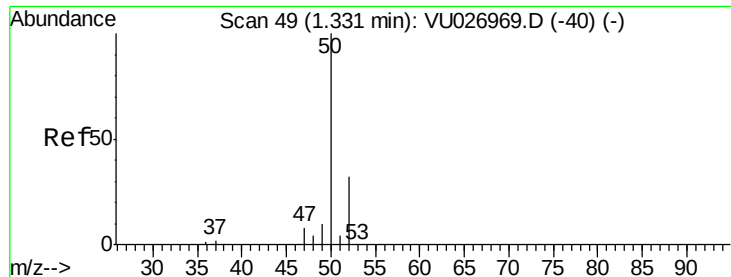
Tgt Ion: 85 Resp: 49904

Ion Ratio Lower Upper

85 100

87 32.6 15.6 46.7





#3

Chloromethane

Concen: 44.836 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 84823

Ion Ratio Lower Upper

50 100

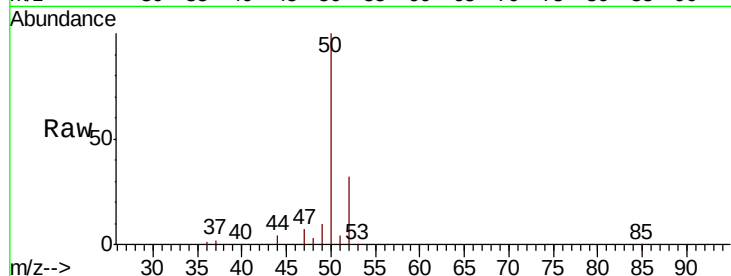
52 31.7 25.9 38.9

Manual Integrations

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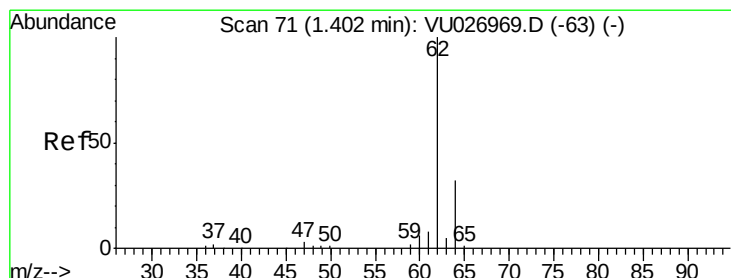
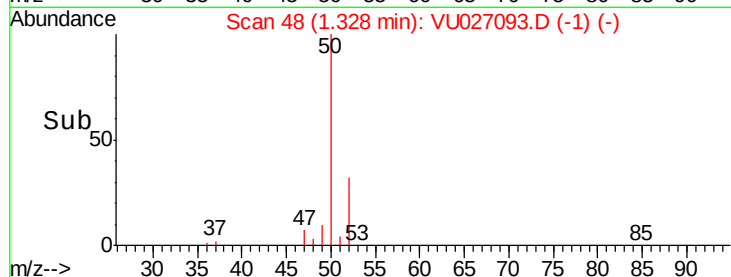
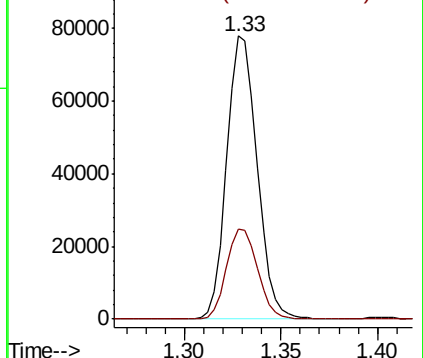
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 46.177 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027093.D

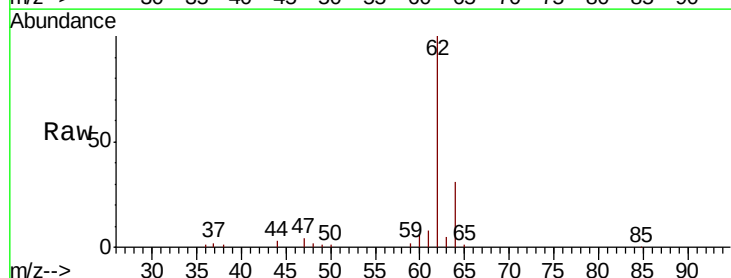
Acq: 24 Sep 2018 08:51

Tgt Ion: 62 Resp: 81546

Ion Ratio Lower Upper

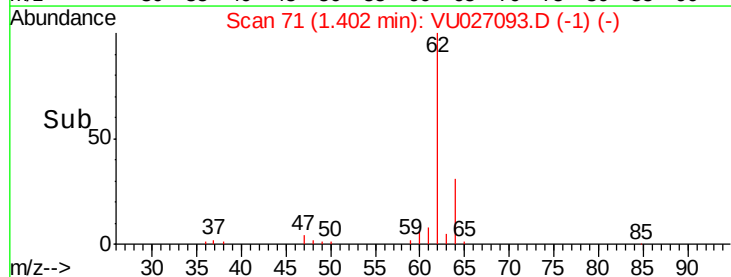
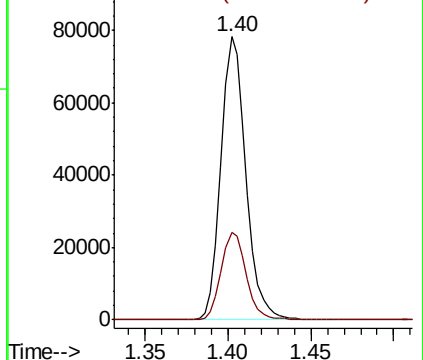
62 100

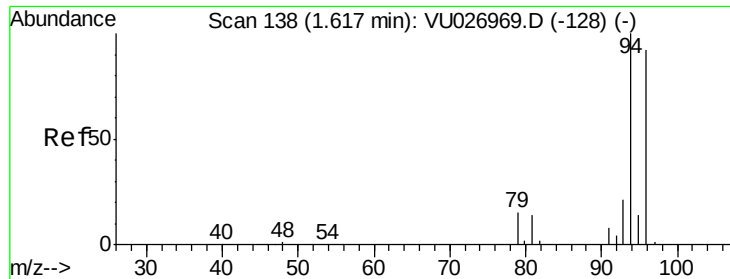
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





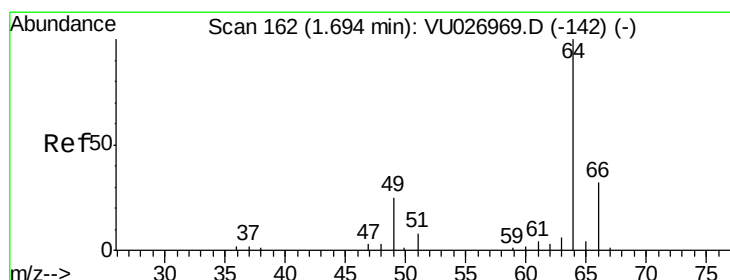
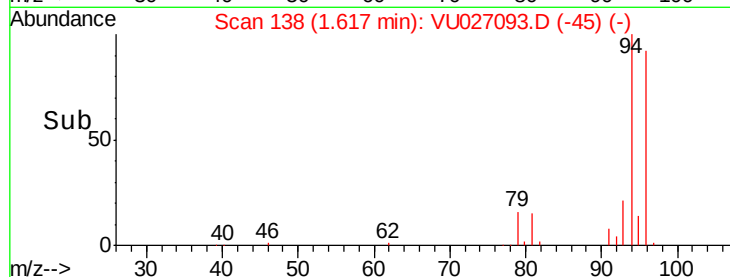
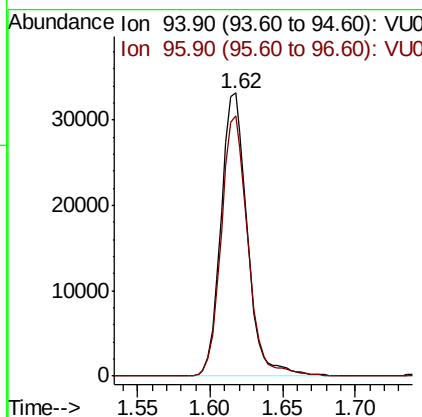
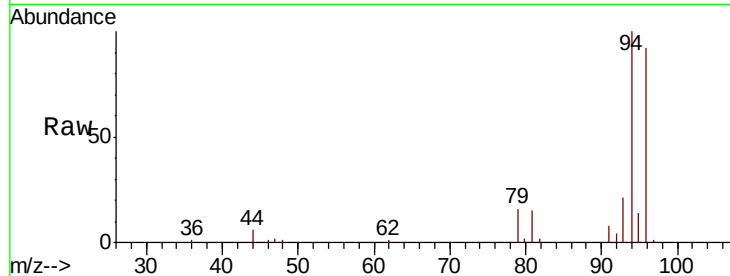
#5
Bromomethane
Concen: 41.742 ug/l
RT: 1.62 min Scan# 138
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
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Tot Ion: 94 Resp: 41978
Ion Ratio Lower Upper
94 100
96 92.1 73.2 109.8

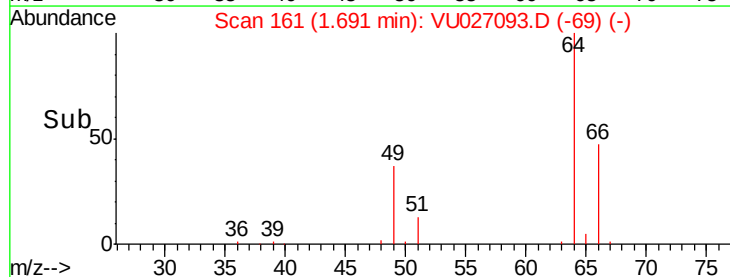
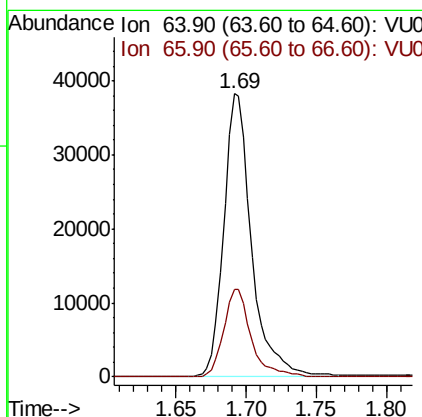
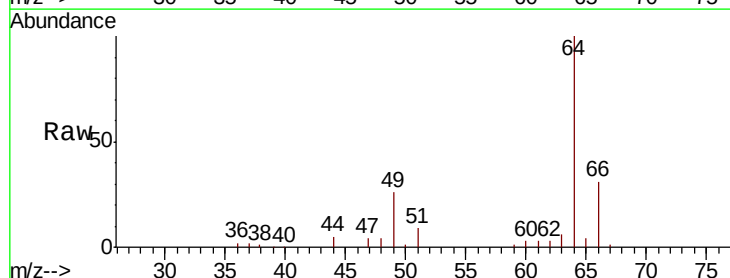
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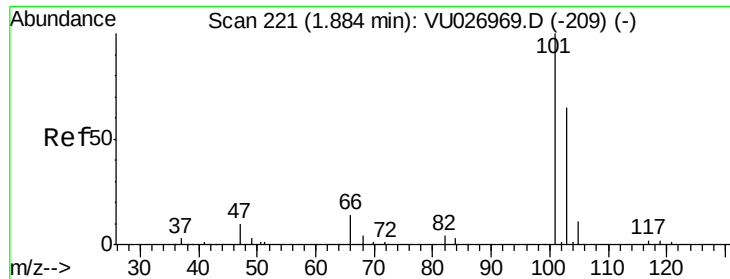
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#6
Chloroethane
Concen: 46.109 ug/l
RT: 1.69 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion: 64 Resp: 52027
Ion Ratio Lower Upper
64 100
66 31.2 25.3 37.9





#7

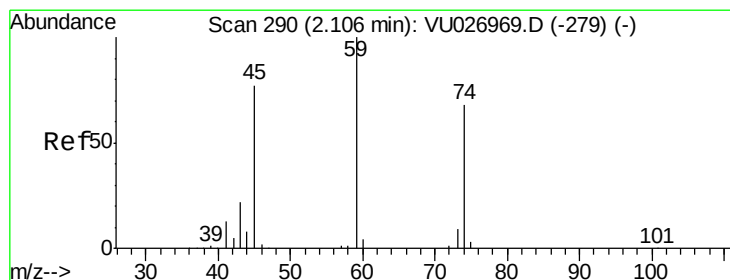
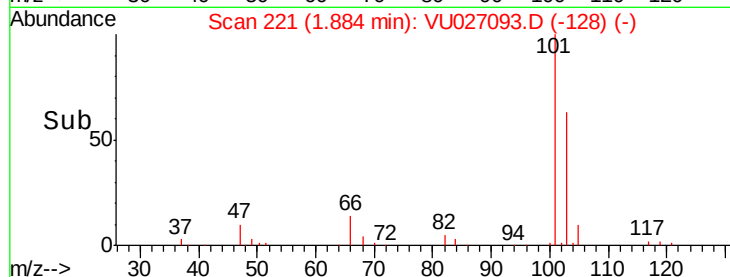
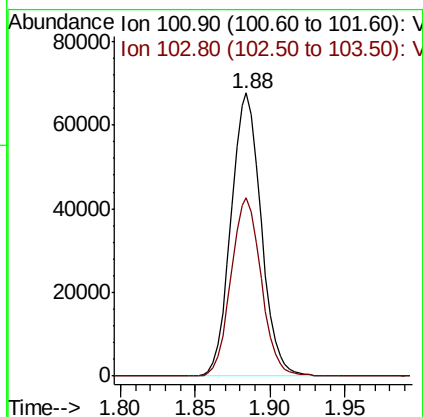
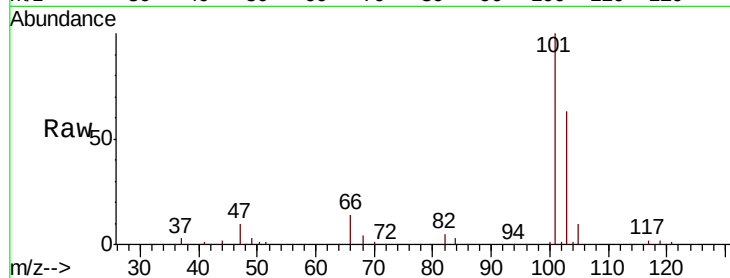
Trichlorofluoromethane
Concen: 47.314 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.2	78.2

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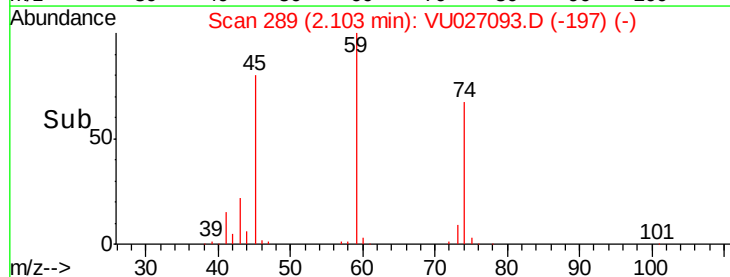
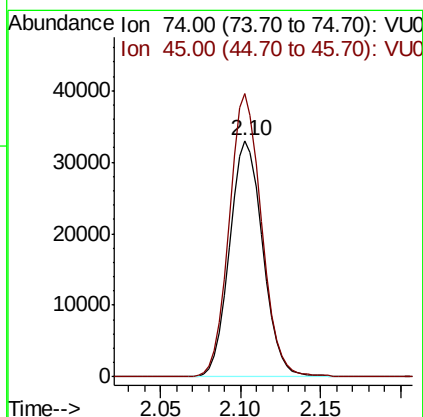
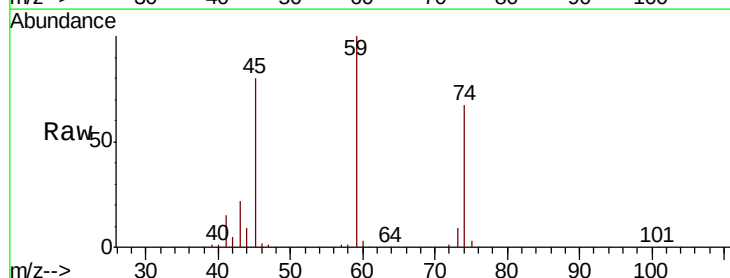
MMDadoda
9/25/2018 11:34:12 AM

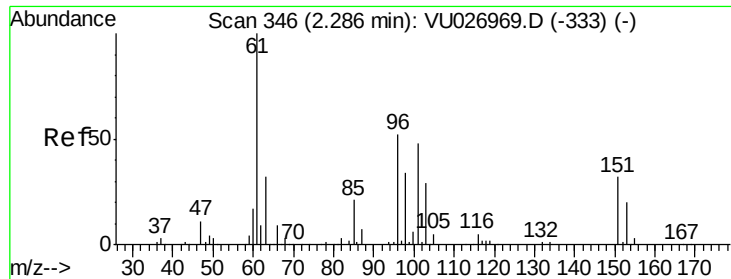


#8

Diethyl Ether
Concen: 48.024 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.6	56.9	170.7





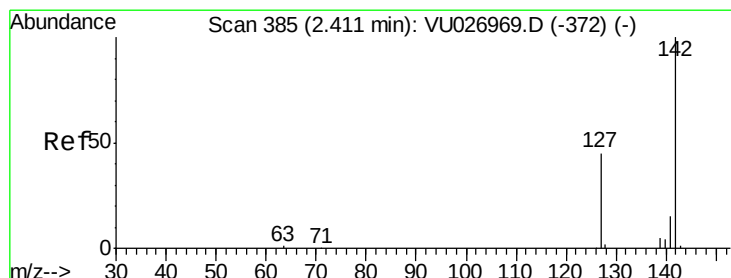
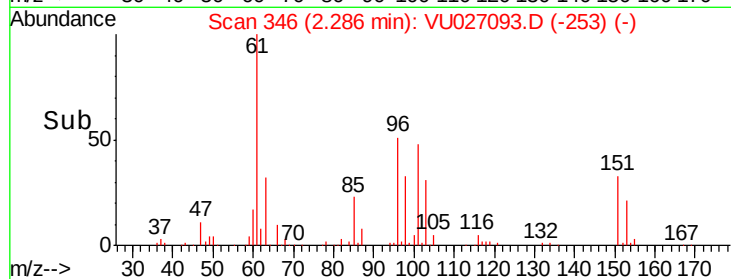
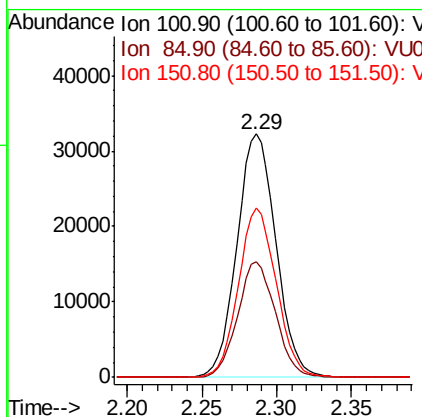
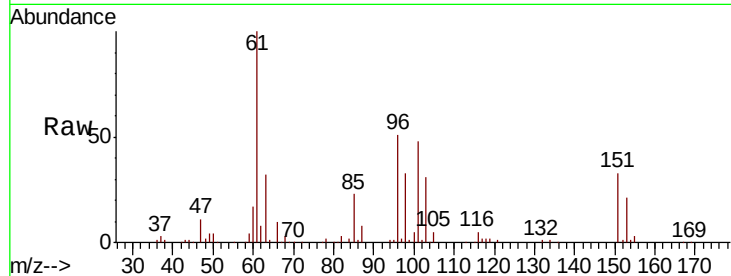
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.432 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	58495		
85	46.0		36.2	54.2
151	67.6		54.5	81.7

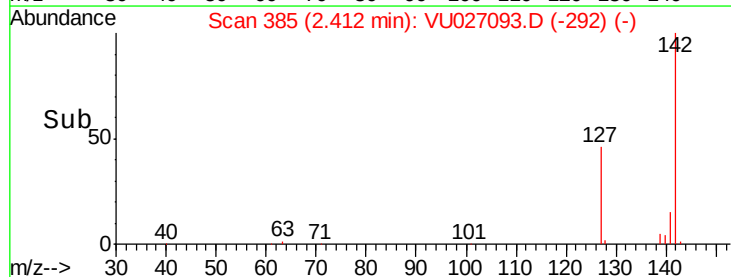
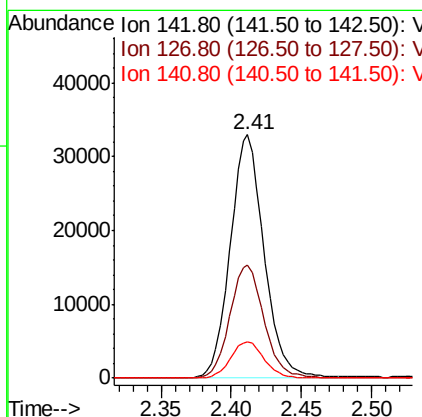
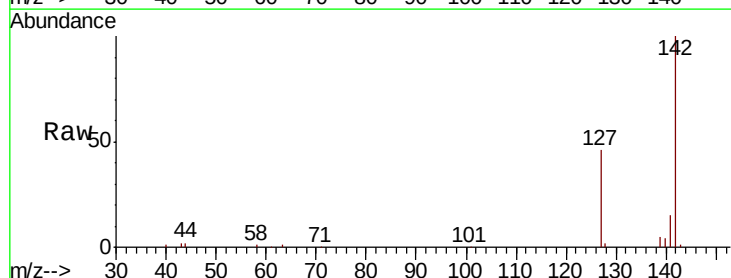
Manual Integrations
 APPROVED

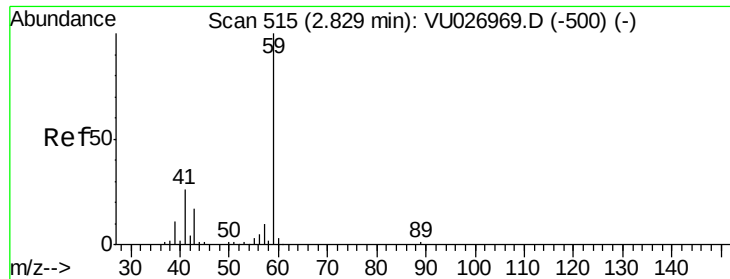
MMDadoda
 9/25/2018 11:34:12 AM



#10
 Methyl Iodide
 Concen: 36.121 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	55248		
127	46.8		36.7	55.1
141	14.9		11.8	17.6





#11

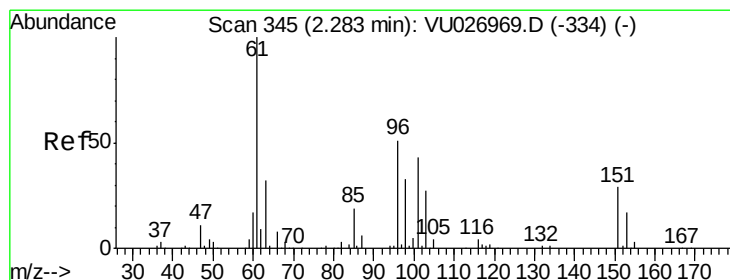
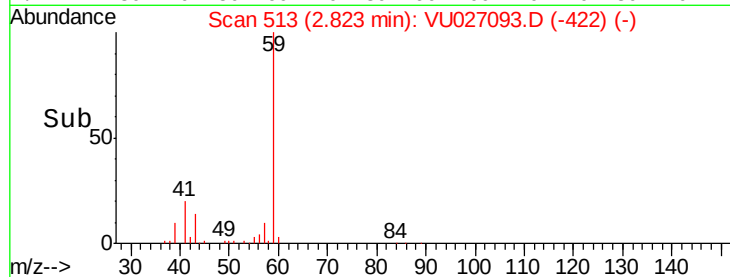
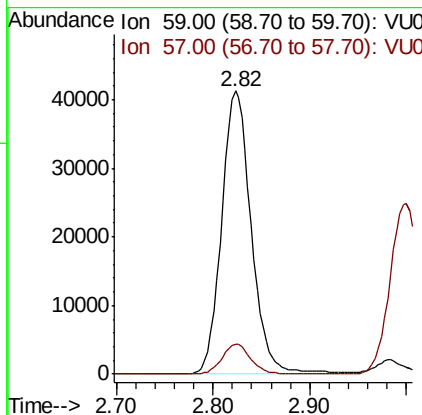
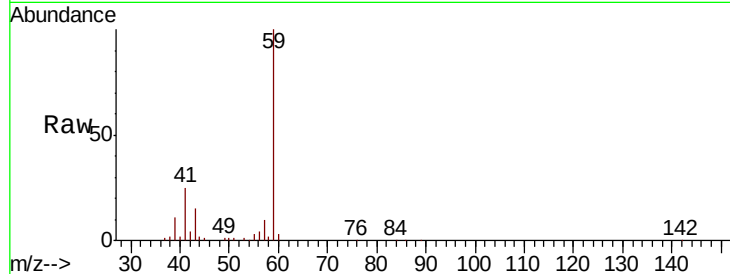
Tert butyl alcohol
 Concen: 226.476 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	87806
Ion Ratio	100	Lower	Upper
57	10.3	8.5	12.7

Manual Integrations
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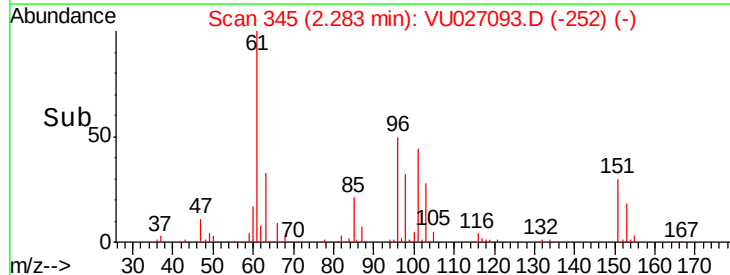
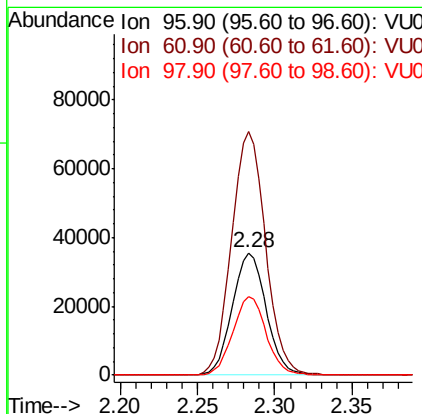
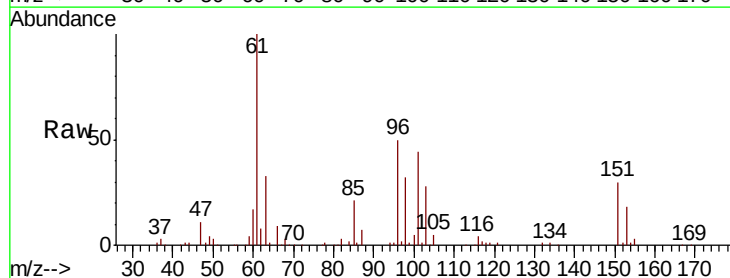
MMDadoda
 9/25/2018 11:34:12 AM

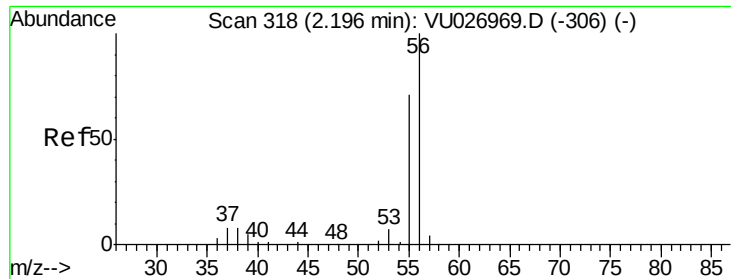


#12

1,1-Dichloroethene
 Concen: 46.338 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	96	Resp	53787
Ion Ratio	100	Lower	Upper
61	199.3	156.1	234.1
98	64.7	51.4	77.0





#13

Acrolein

Concen: 228.743 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47807

Ion Ratio Lower Upper

56 100

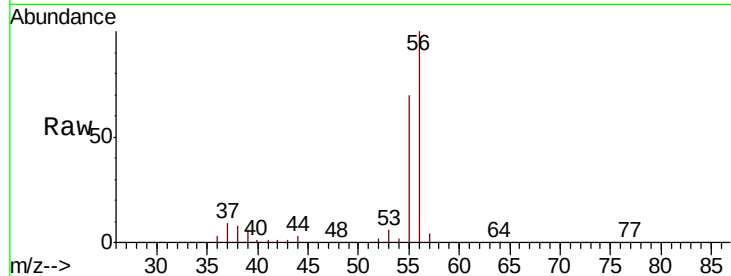
55 71.0 57.1 85.7

Manual Integrations

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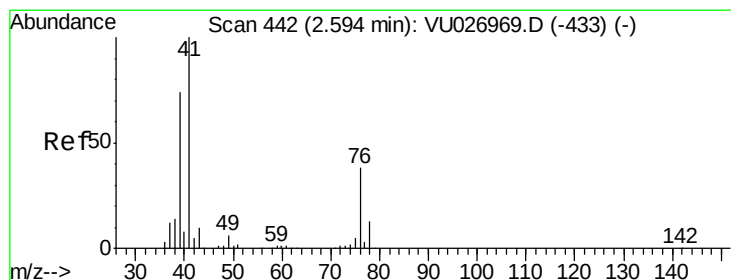
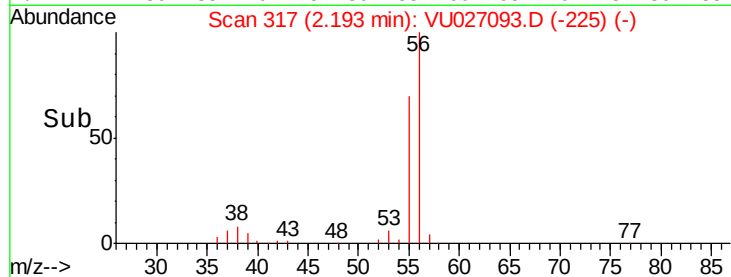
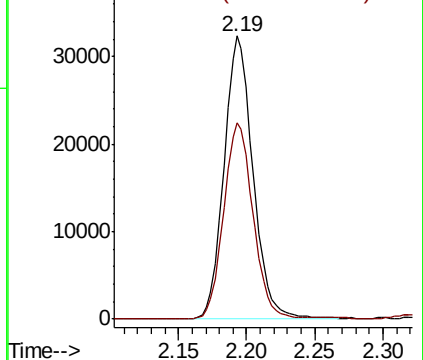
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 53.422 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

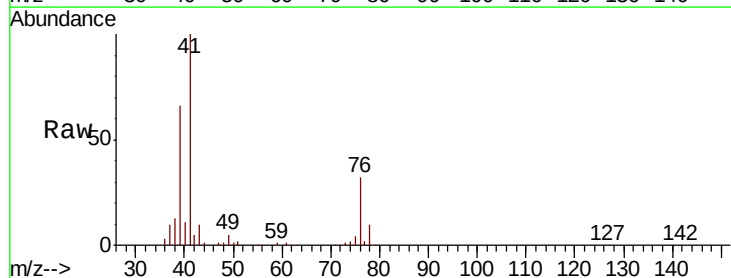
Tgt Ion: 41 Resp: 125771

Ion Ratio Lower Upper

41 100

39 64.9 55.7 83.5

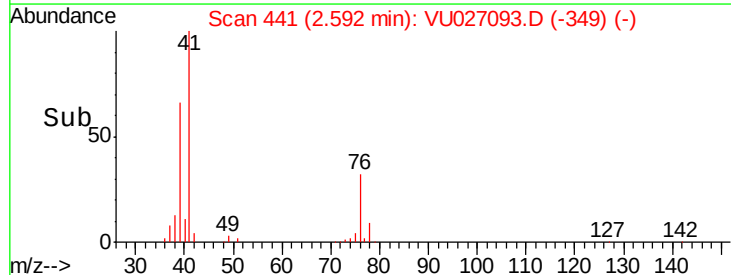
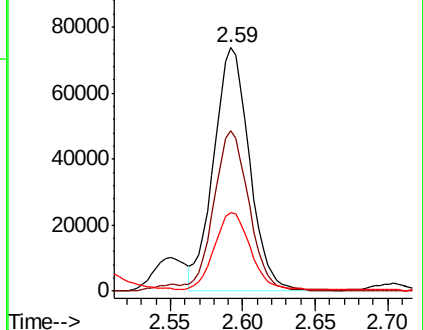
76 31.8 26.5 39.7

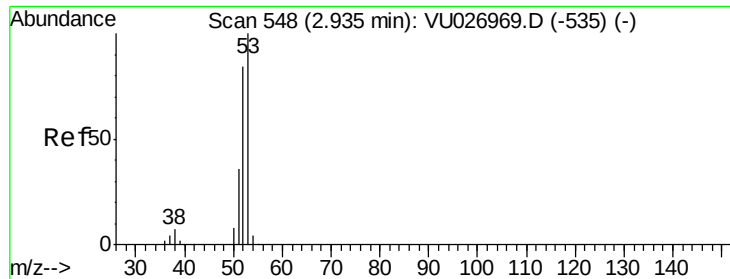


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 243.262 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

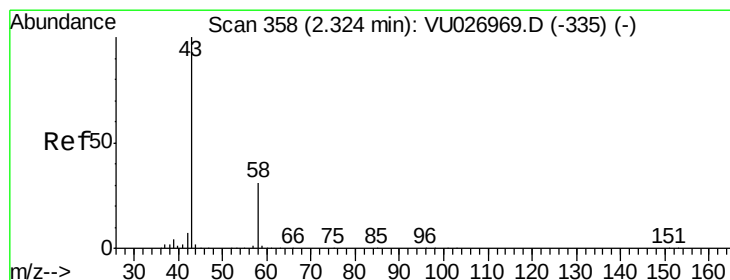
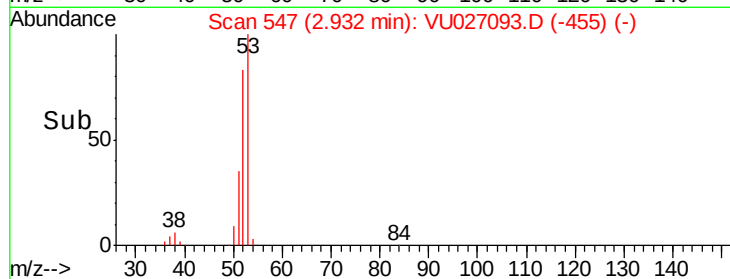
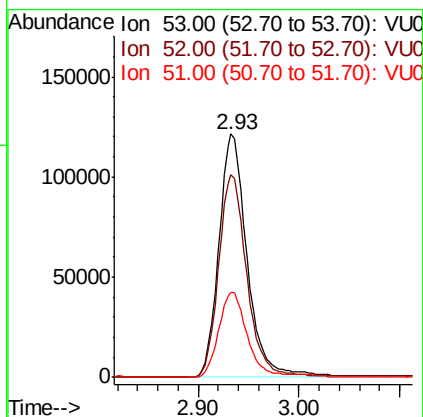
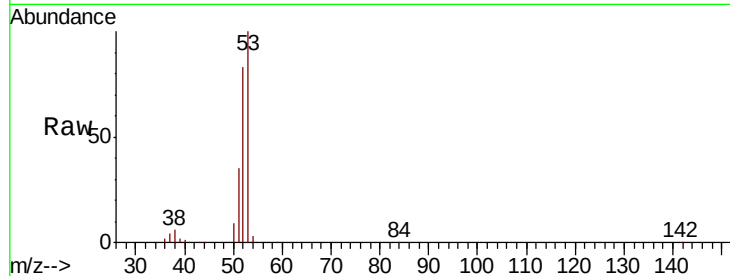
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	237707
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.7	98.5
51	36.5	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 298.830 ug/l

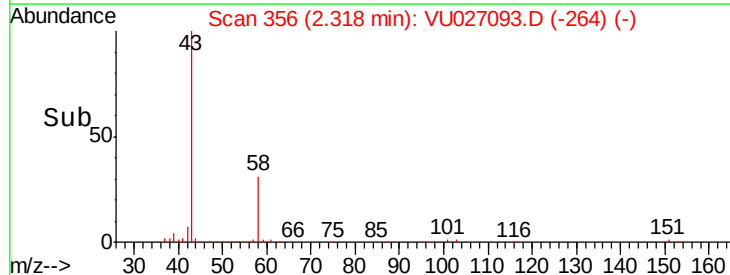
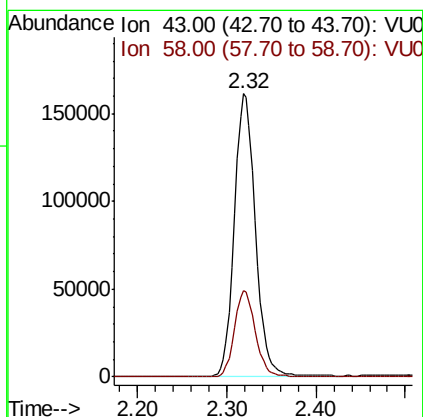
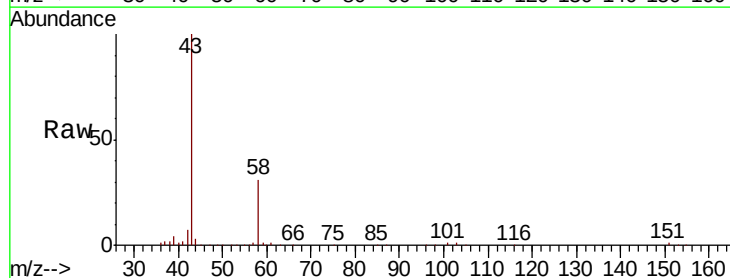
RT: 2.32 min Scan# 356

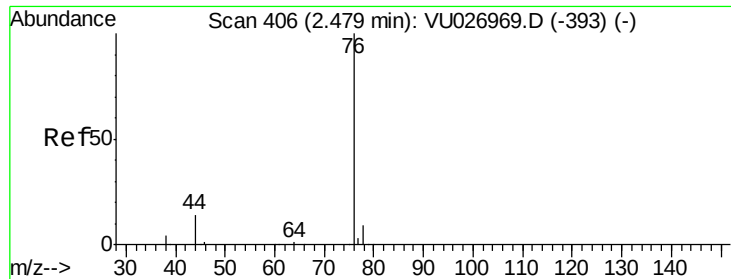
Delta R.T. -0.01 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Tgt Ion:	43	Resp:	265591
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.6	36.8





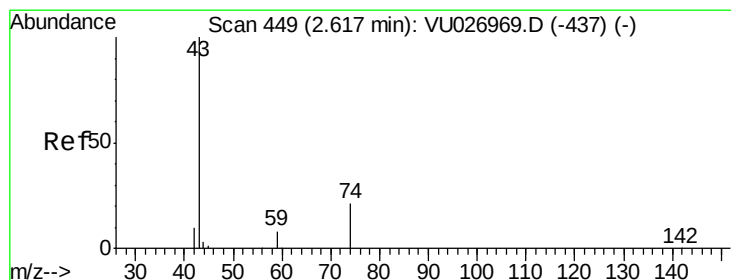
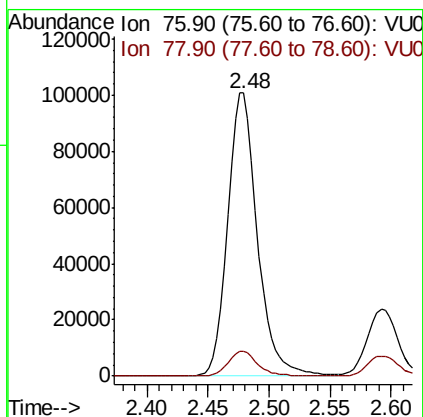
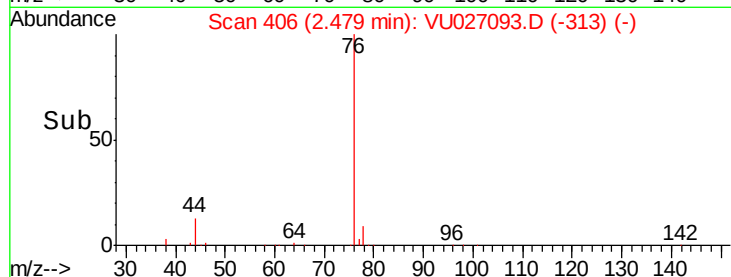
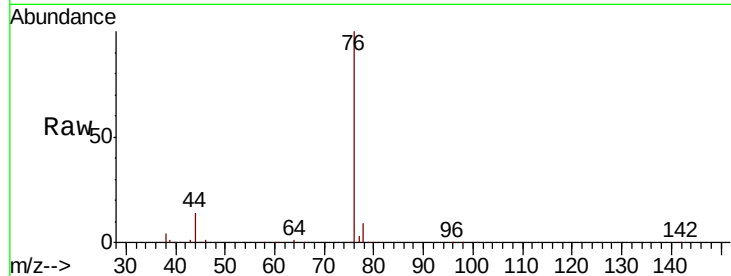
#17
Carbon Disulfide
Concen: 45.581 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

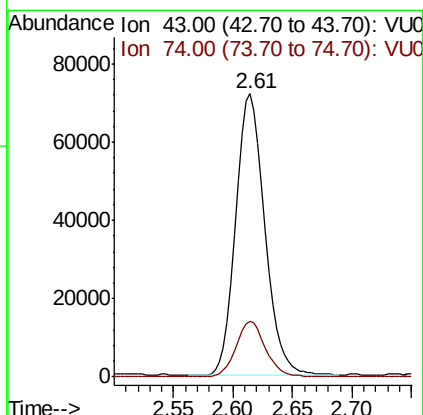
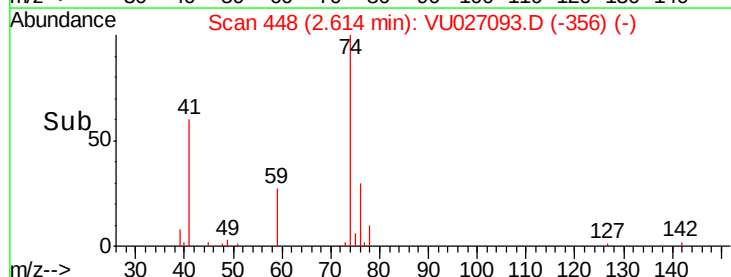
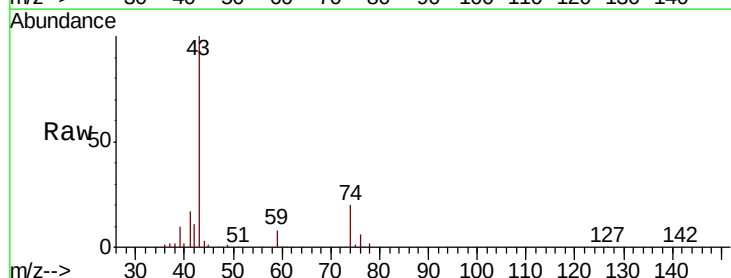
Manual Integrations
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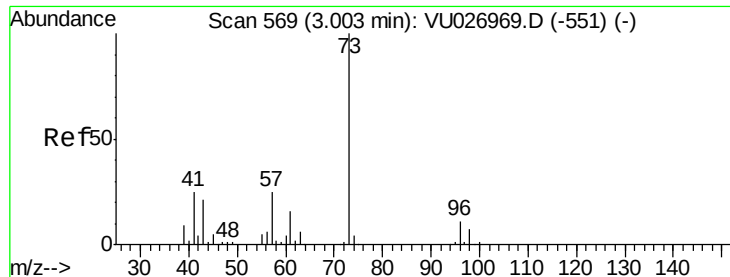
MMDadoda
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#18
Methyl Acetate
Concen: 50.870 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.2	16.6	25.0





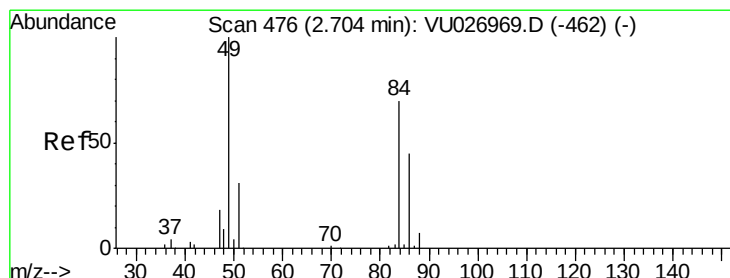
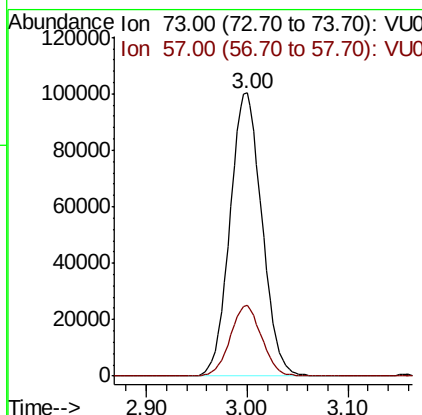
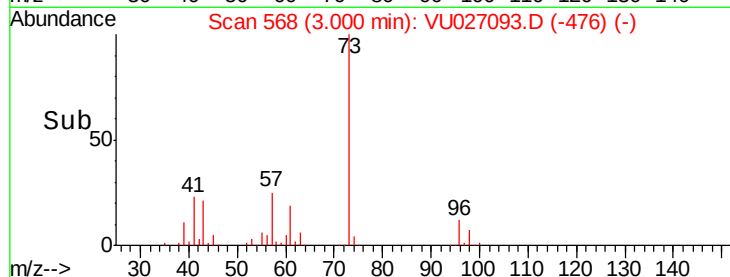
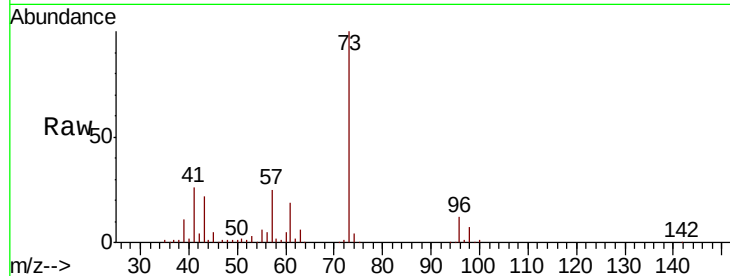
#19
Methyl tert-butyl Ether
Concen: 51.829 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 221078
Ion Ratio Lower Upper
73 100
57 24.9 19.8 29.6

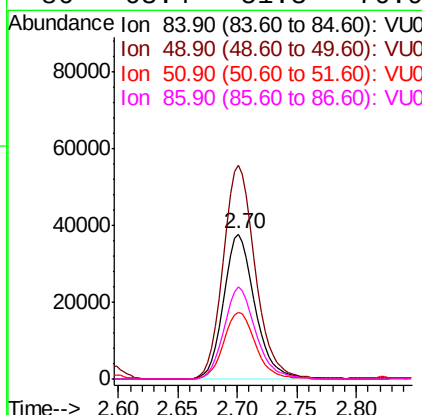
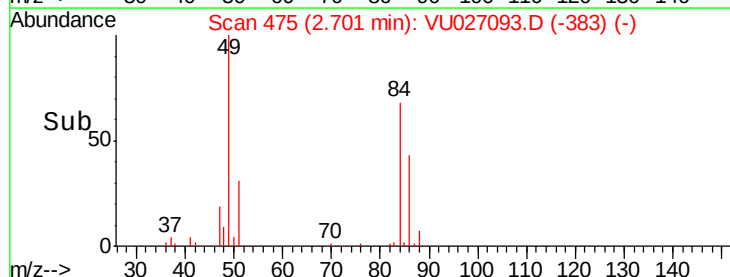
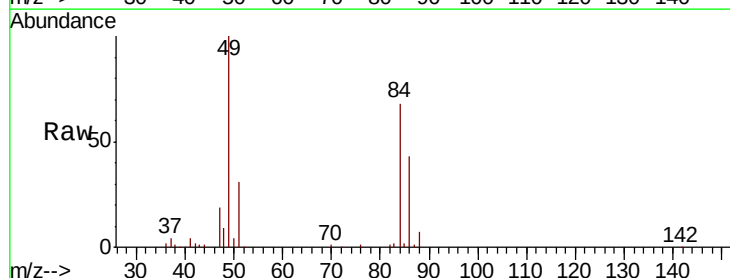
Manual Integrations
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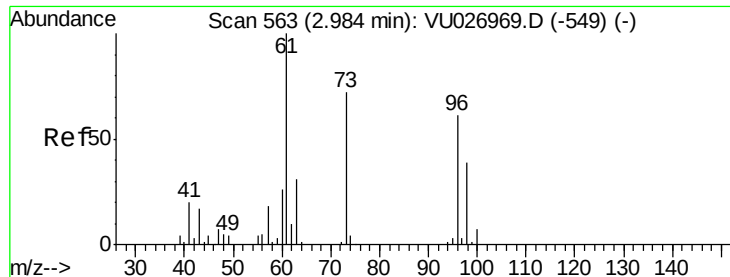
MMDadoda
9/25/2018 11:34:12 AM



#20
Methylene Chloride
Concen: 45.327 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion: 84 Resp: 68665
Ion Ratio Lower Upper
84 100
49 147.3 114.9 172.3
51 46.2 35.8 53.8
86 63.4 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.546 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

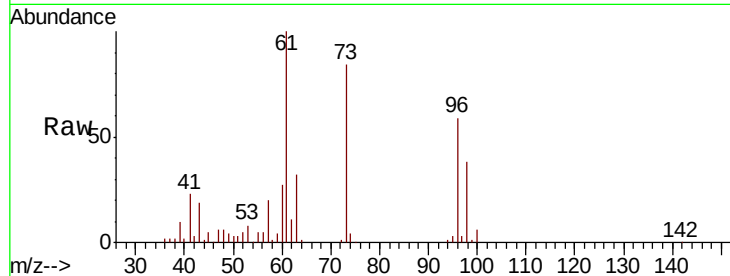
ClientSampleId :

VSTDCCC050

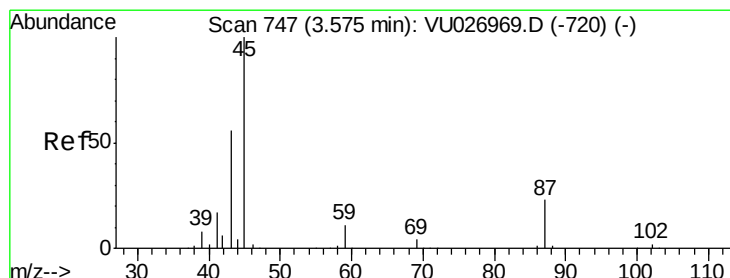
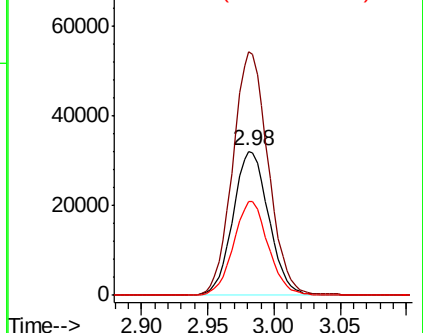
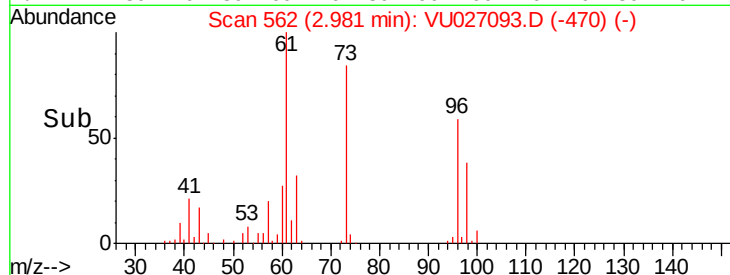
Tot Ion:	96	Resp:	60164
Ion	Ratio	Lower	Upper
96	100		
61	169.3	131.8	197.6
98	64.9	50.9	76.3

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VU027093.D (-470) (-)



#22

Diisopropyl ether

Concen: 54.724 ug/l

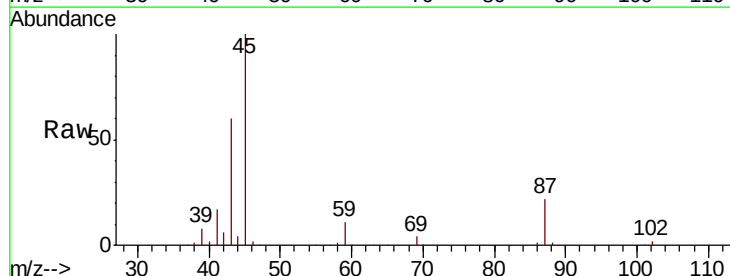
RT: 3.57 min Scan# 745

Delta R.T. -0.01 min

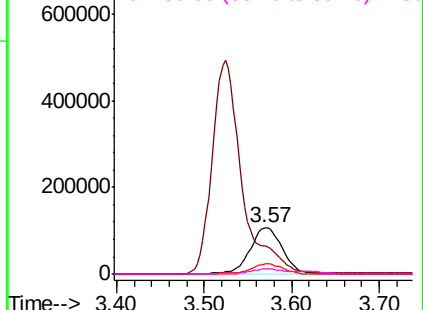
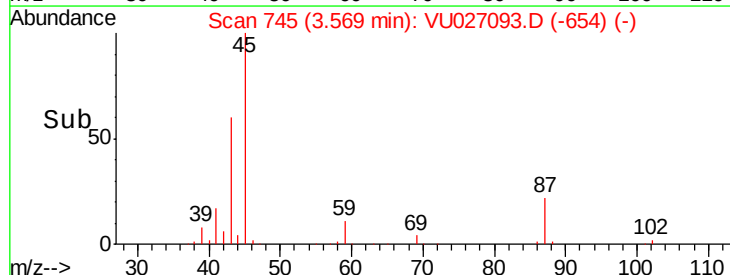
Lab File: VU027093.D

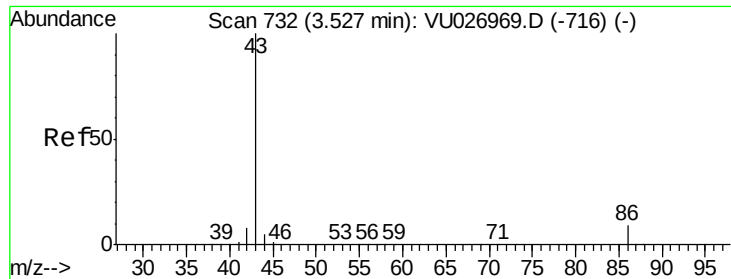
Acq: 24 Sep 2018 08:51

Tgt Ion:	45	Resp:	275569
Ion	Ratio	Lower	Upper
45	100		
43	58.1	45.8	68.6
87	21.8	18.6	28.0
59	10.9	9.0	13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027093.D (-654) (-)





#23

Vinyl Acetate

Concen: 273.405 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1173584

Ion Ratio Lower Upper

43 100

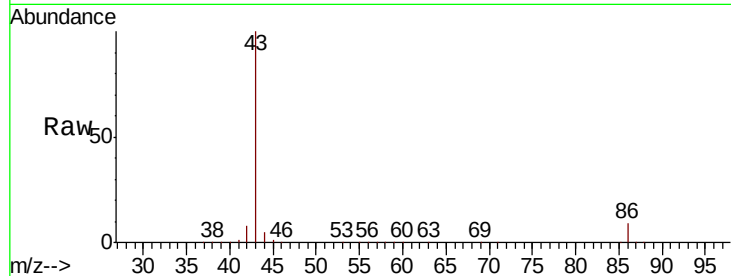
86 8.6 7.2 10.8

Manual Integrations

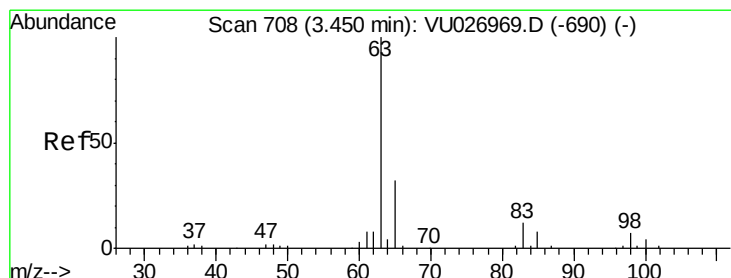
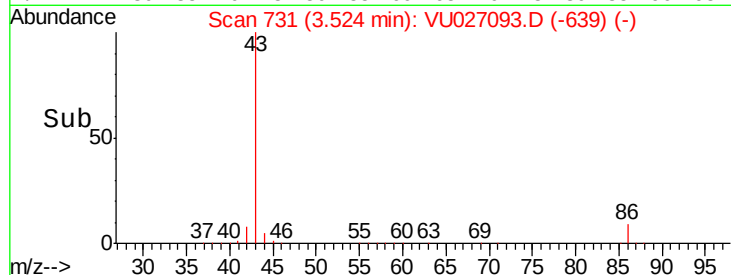
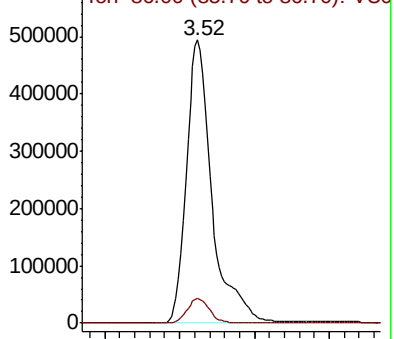
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Abundance Ion 43.00 (42.70 to 43.70): VU027093.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 50.032 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

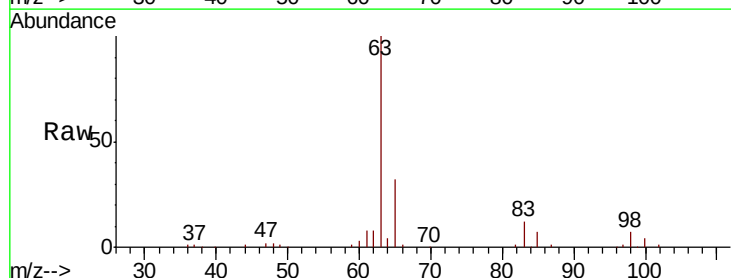
Tgt Ion: 63 Resp: 138760

Ion Ratio Lower Upper

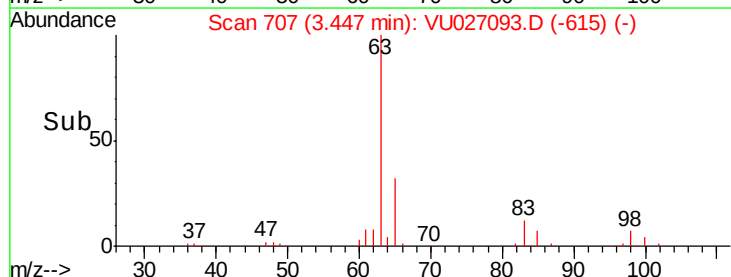
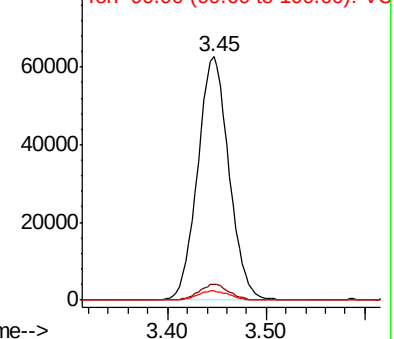
63 100

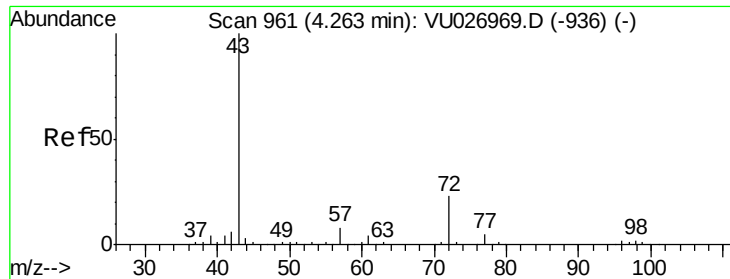
98 6.5 3.3 9.8

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VU027093.D (-615) (-)





#25

2-Butanone

Concen: 255.089 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.01 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 362614

Ion Ratio Lower Upper

43 100

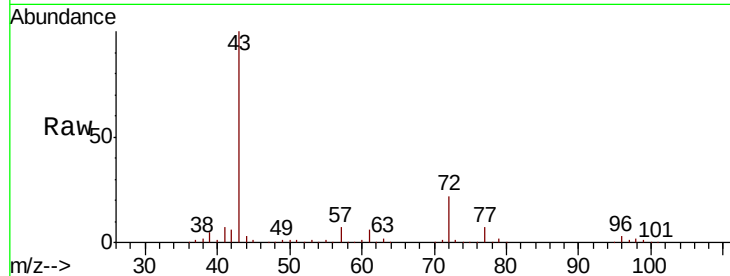
72 22.4 18.4 27.6

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

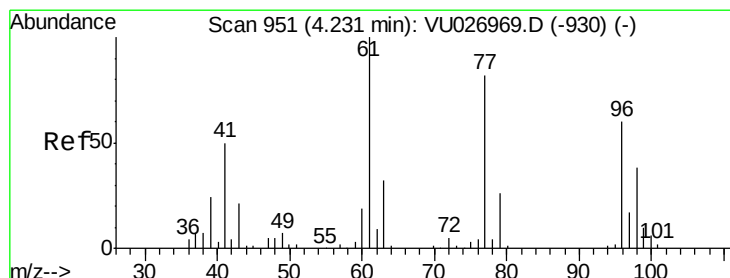
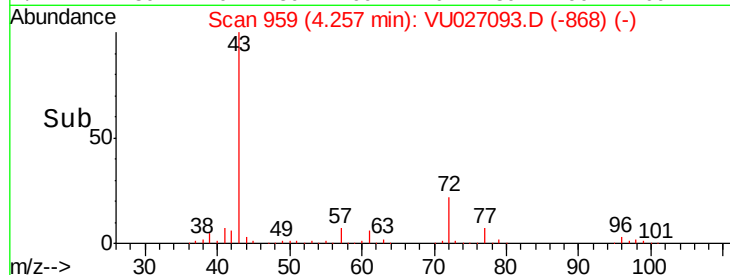
50000

0

4.20 4.30

4.26

Time-->



#26

2,2-Dichloropropane

Concen: 51.778 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027093.D

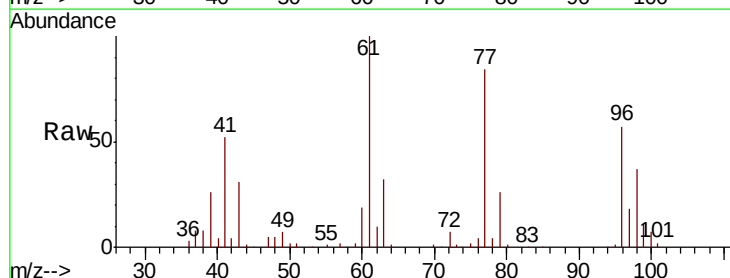
Acq: 24 Sep 2018 08:51

Tgt Ion: 77 Resp: 111993

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

20000

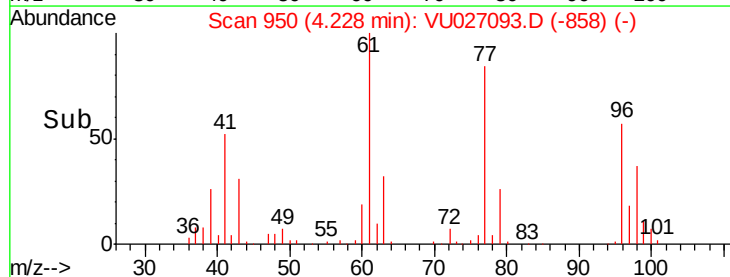
10000

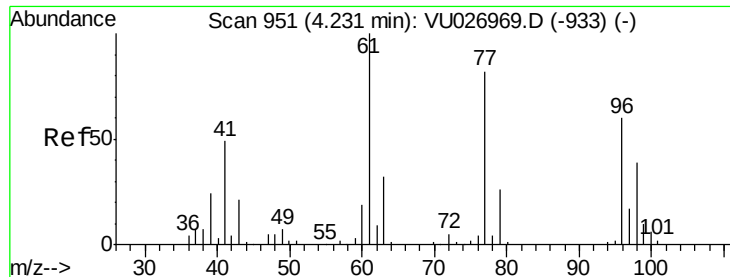
0

4.10 4.20 4.30

4.23

Time-->





#27

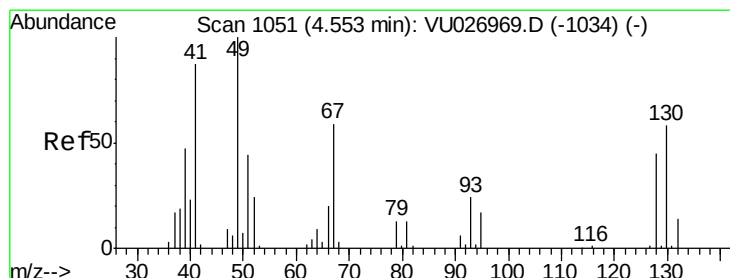
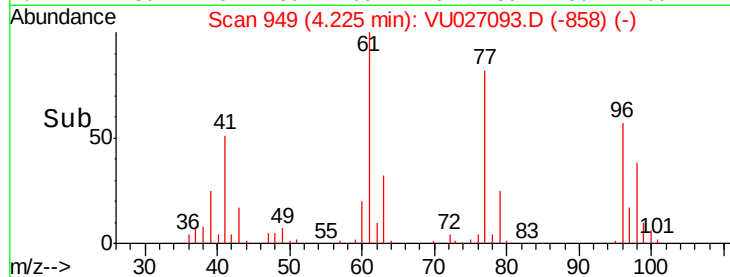
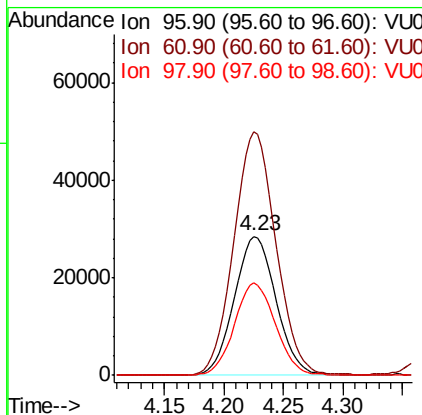
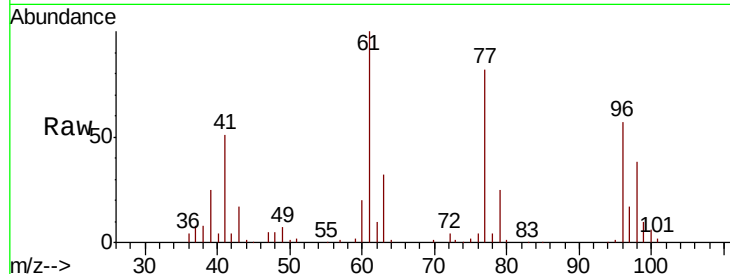
cis-1,2-Dichloroethene
 Concen: 49.306 ug/l
 RT: 4.23 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	177.8	0.0	337.2
98	65.5	0.0	127.6

Manual Integrations
 APPROVED

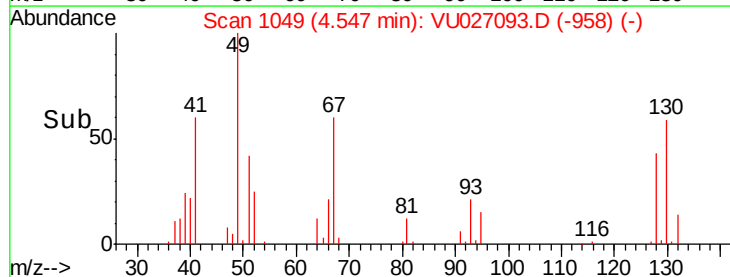
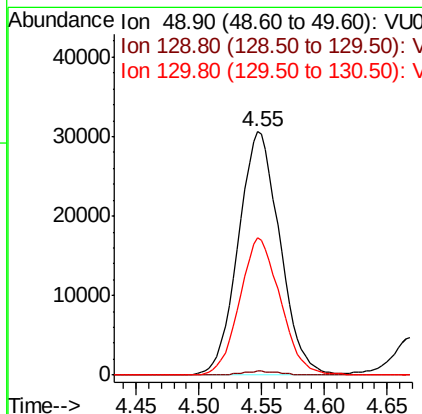
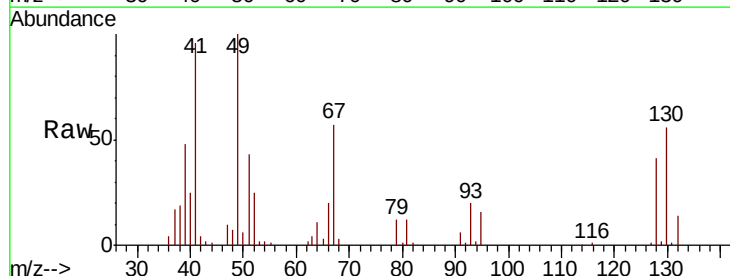
MMDadoda
 9/25/2018 11:34:12 AM

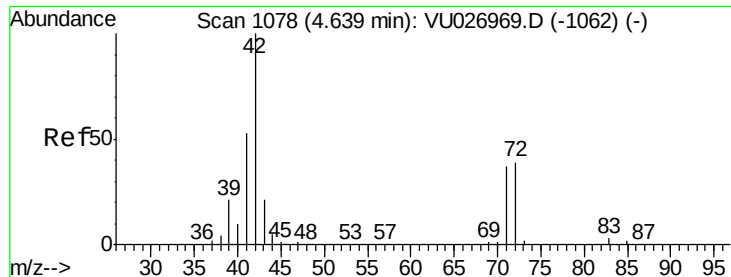


#28

Bromochloromethane
 Concen: 52.752 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	55.5	47.8	71.8





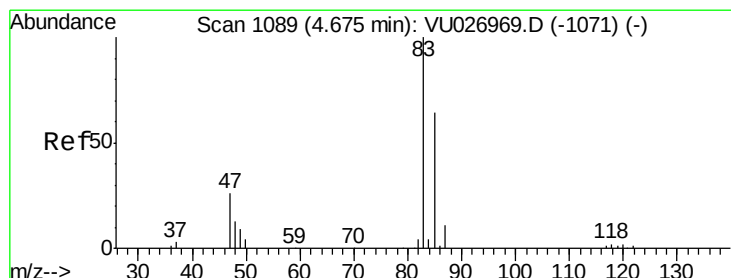
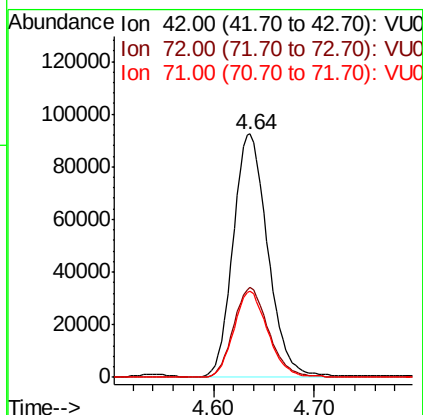
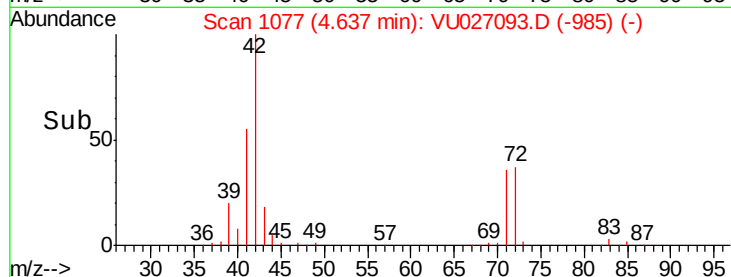
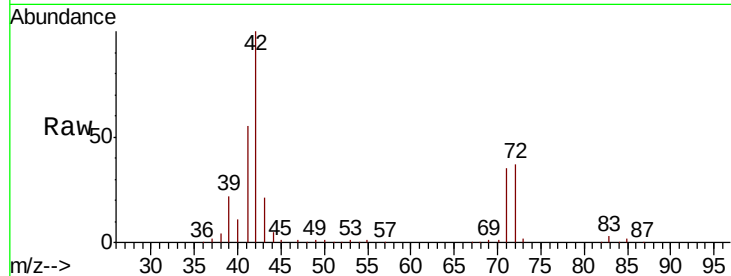
#29
Tetrahydrofuran
Concen: 255.307 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.7	47.5
71	35.0	29.6	44.4

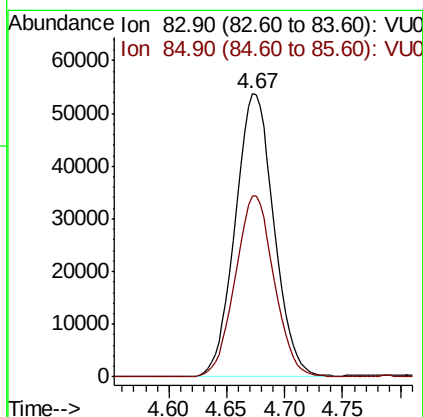
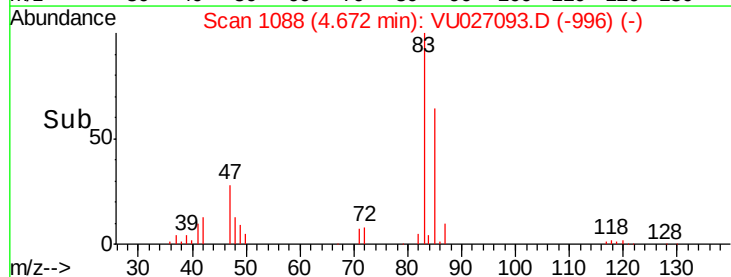
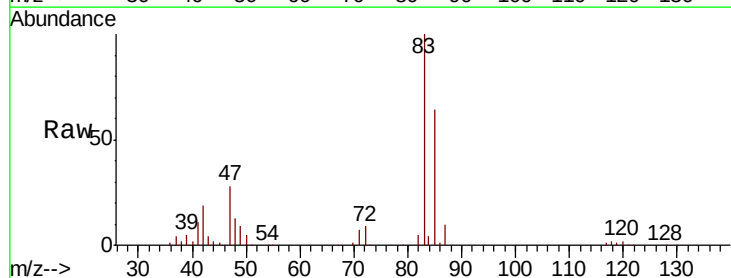
Manual Integrations
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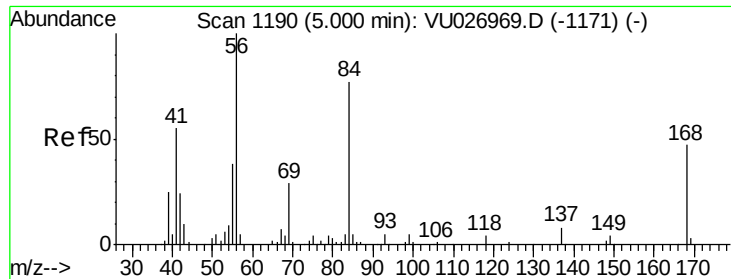
MMDadoda
9/25/2018 11:34:12 AM



#30
Chloroform
Concen: 48.520 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





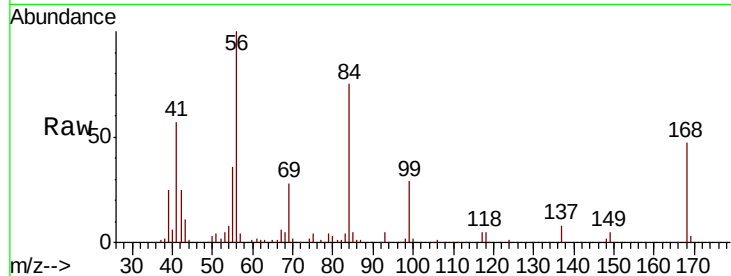
#31
Cyclohexane
Concen: 51.738 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

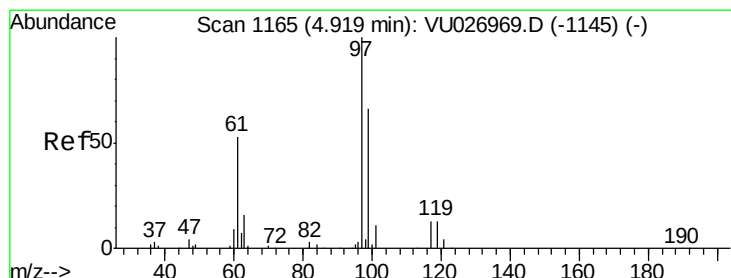
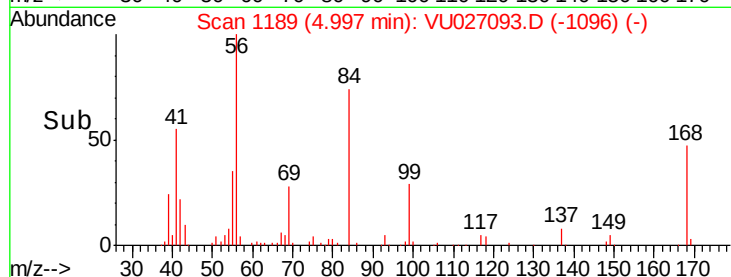
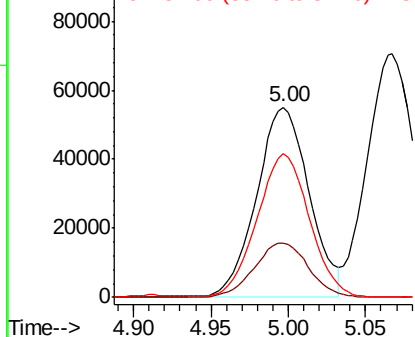
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.4	23.0	34.4
84	74.8	61.4	92.2

Manual Integrations
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9/25/2018 11:34:12 AM

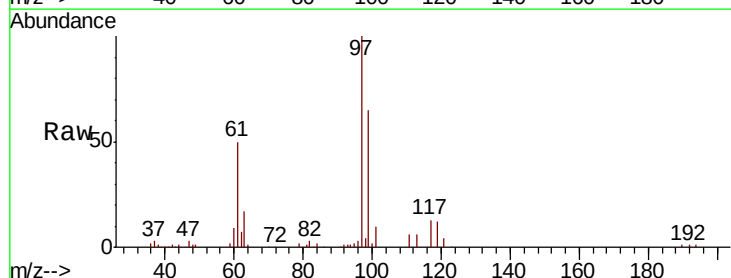


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

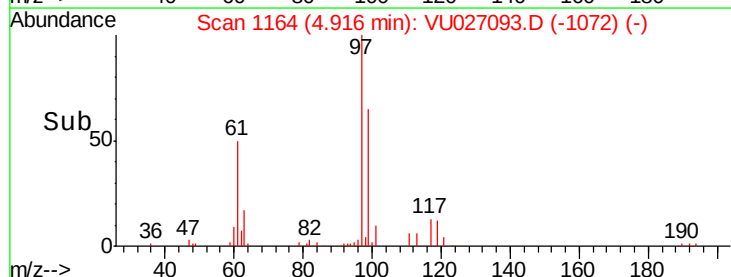
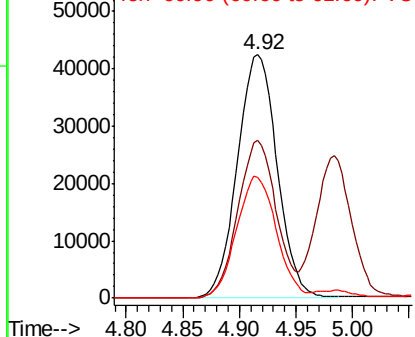


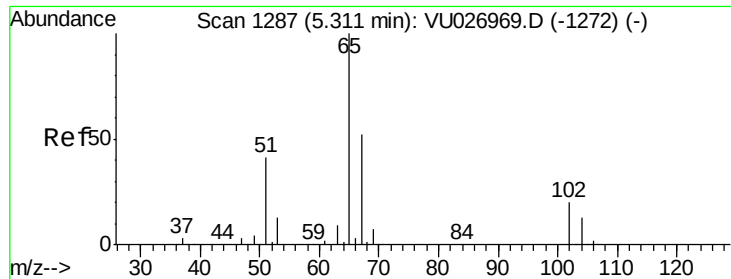
#32
1,1,1-Trichloroethane
Concen: 50.705 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.8	77.6
61	50.1	41.1	61.7



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





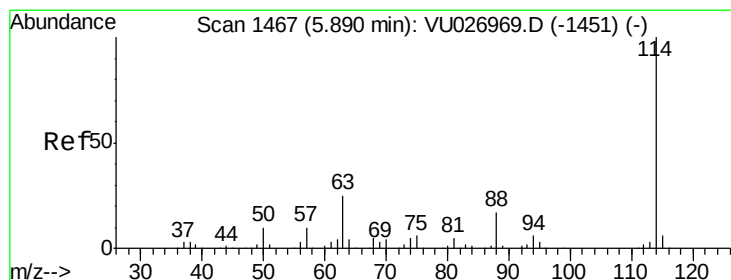
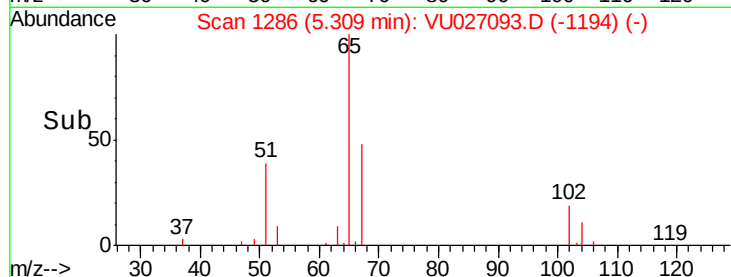
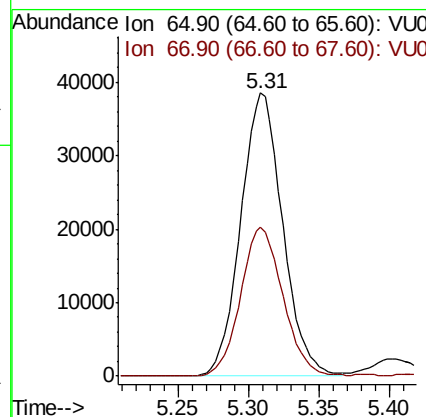
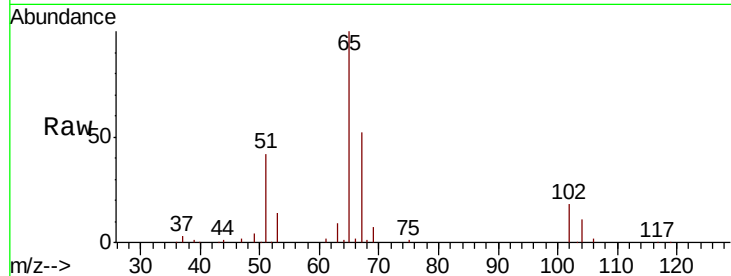
#33
 1,2-Dichloroethane-d4
 Concen: 47.412 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	105.6

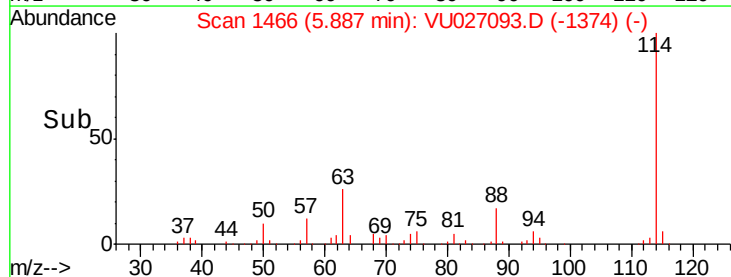
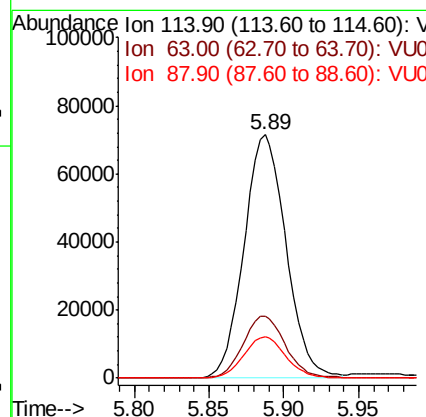
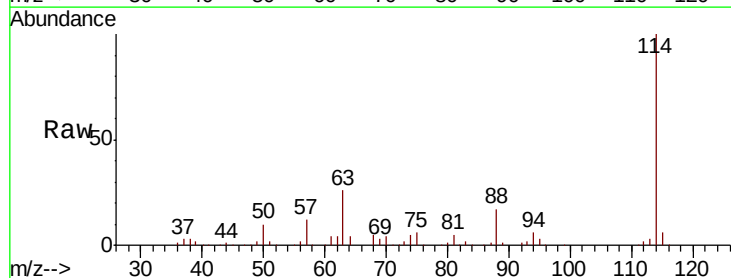
Manual Integrations
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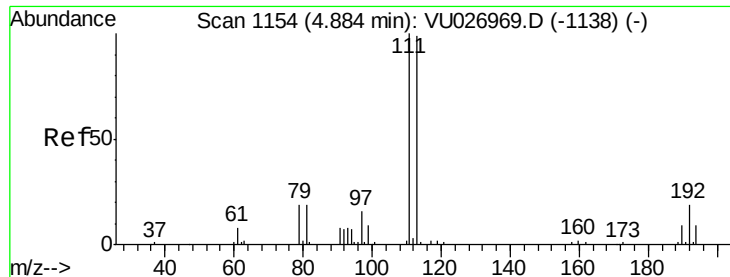
MMDadoda
 9/25/2018 11:34:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	17.2	0.0	33.8





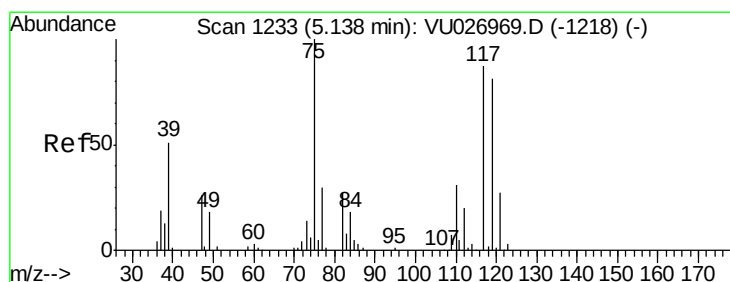
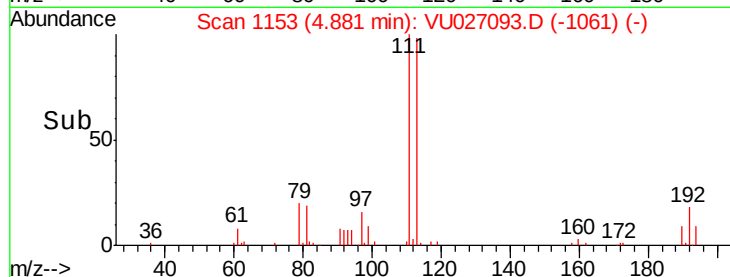
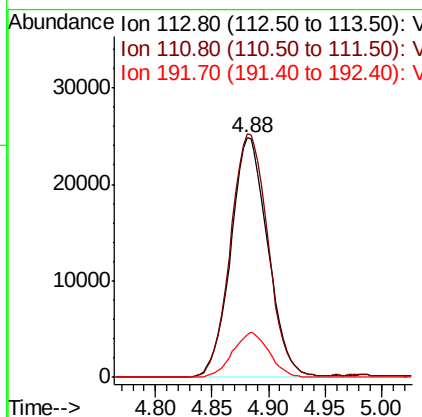
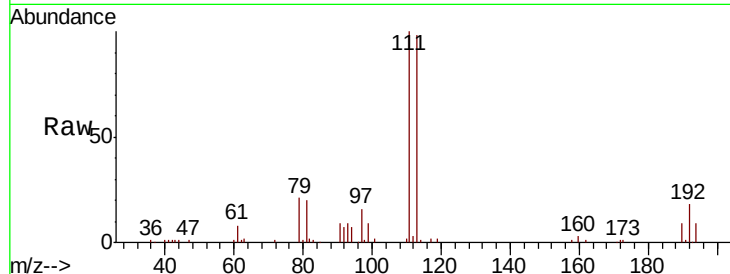
#35
 Dibromofluoromethane
 Concen: 46.770 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

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

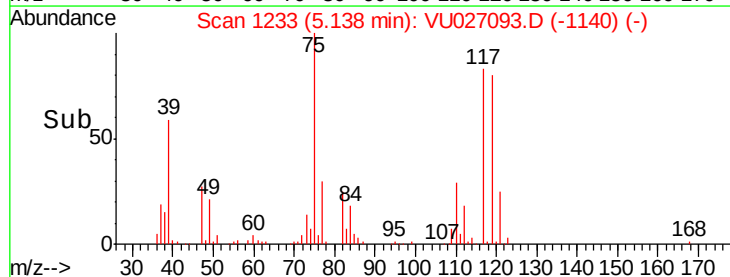
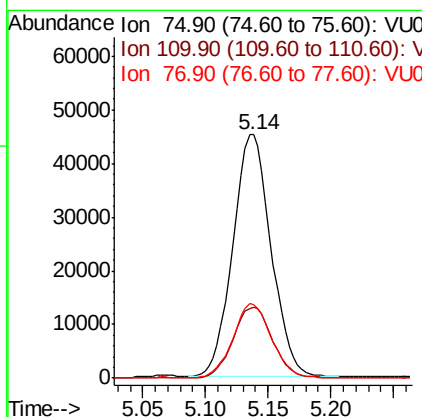
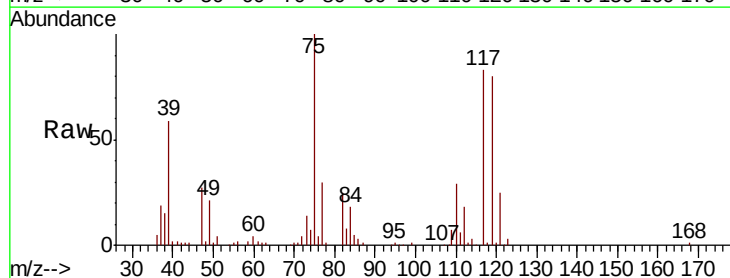
Manual Integrations
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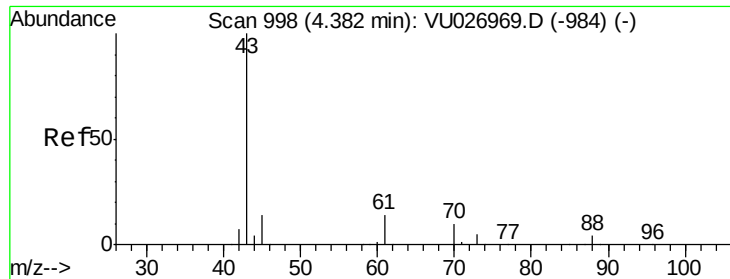
MMDadoda
 9/25/2018 11:34:12 AM



#36
 1,1-Dichloropropene
 Concen: 51.139 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	16.1	48.2
77	31.1	24.6	36.8





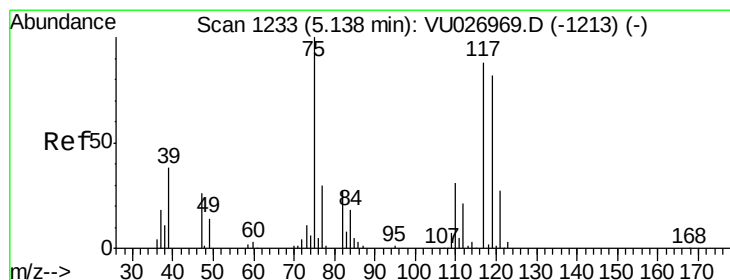
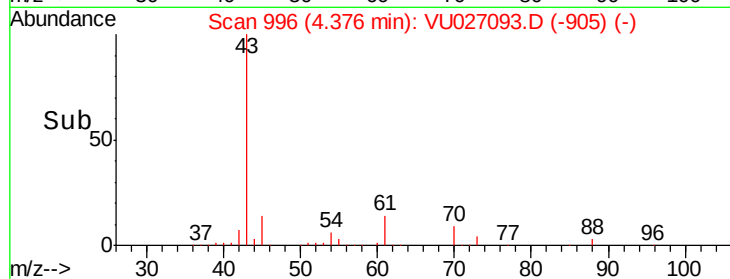
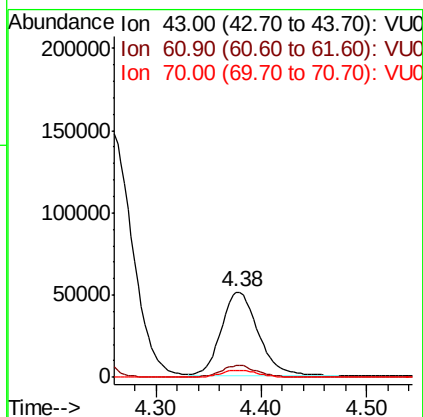
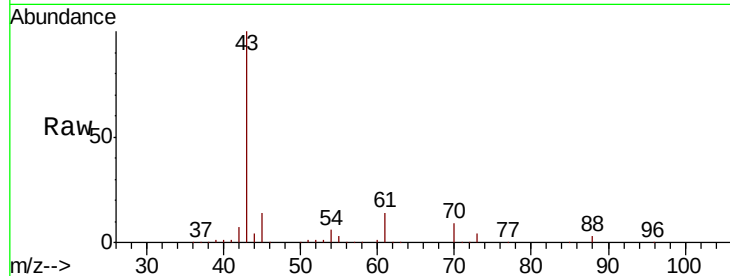
#37
Ethyl Acetate
Concen: 49.406 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.01 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	124945
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	8.7	7.4	11.0

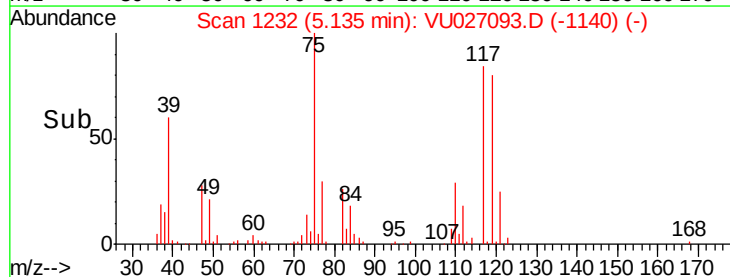
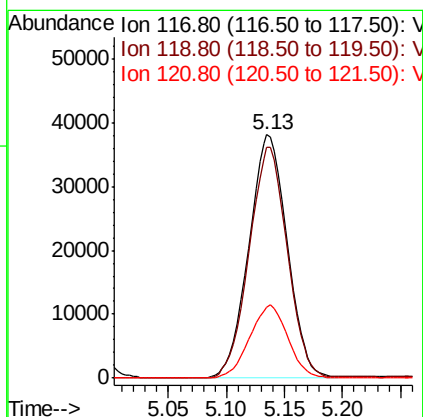
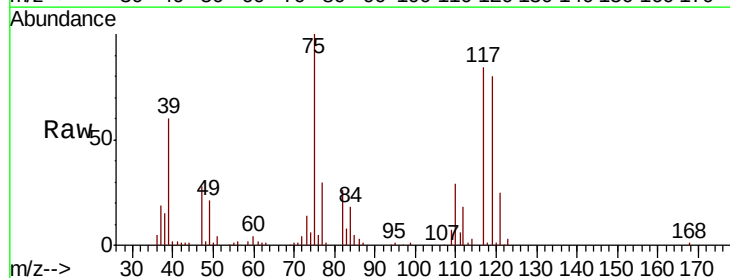
Manual Integrations
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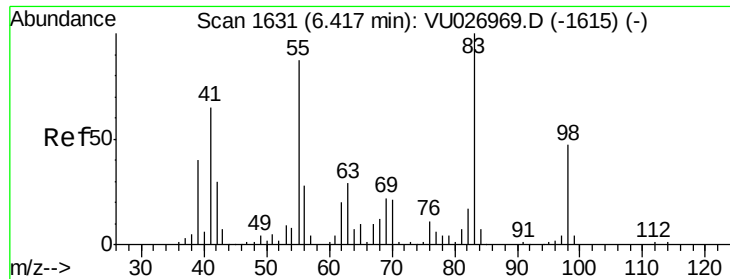
MMDadoda
9/25/2018 11:34:12 AM



#38
Carbon Tetrachloride
Concen: 49.402 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion:	117	Resp:	87824
Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.4	111.6
121	29.2	24.2	36.4





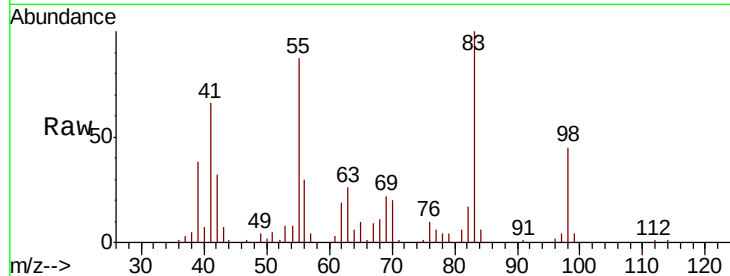
#39
Methylvlcyclohexane
Concen: 55.335 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.8	69.9	104.9
98	44.7	37.5	56.3

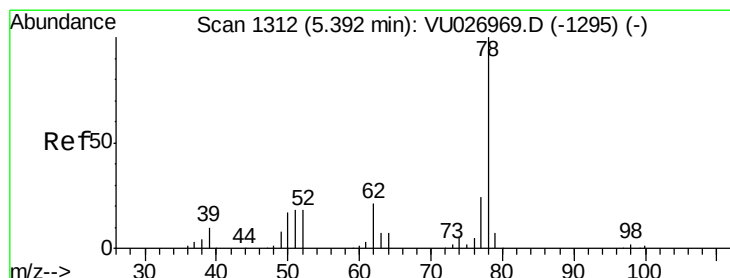
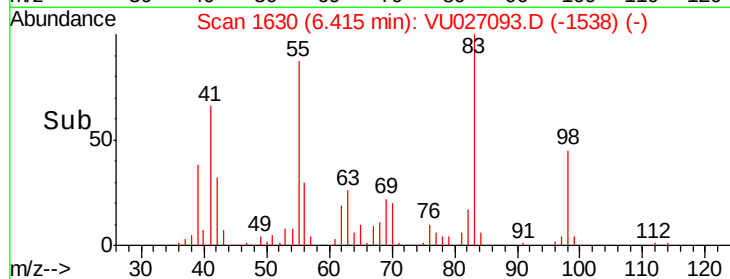
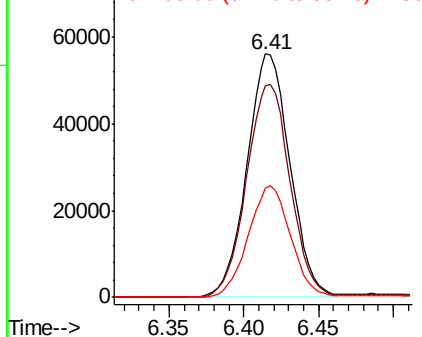
Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:34:12 AM



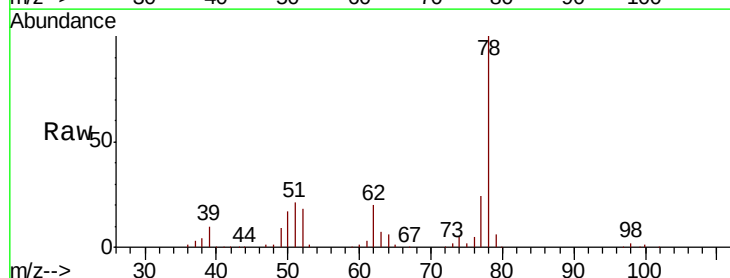
Abundance

Ion 83.00 (82.70 to 83.70): VU026969.D (-1615) (-)



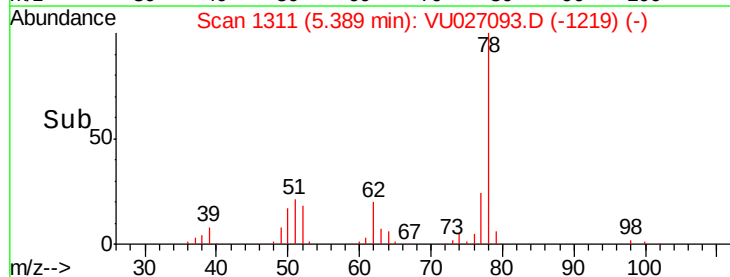
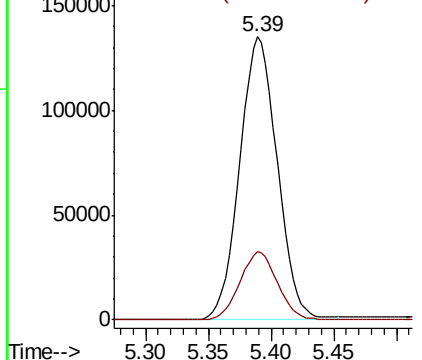
#40
Benzene
Concen: 49.677 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

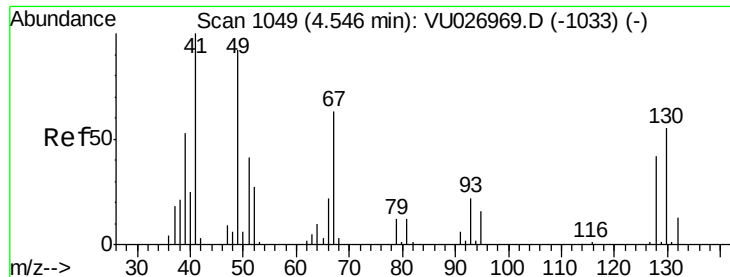
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0



Abundance

Ion 78.00 (77.70 to 78.70): VU026969.D (-1295) (-)





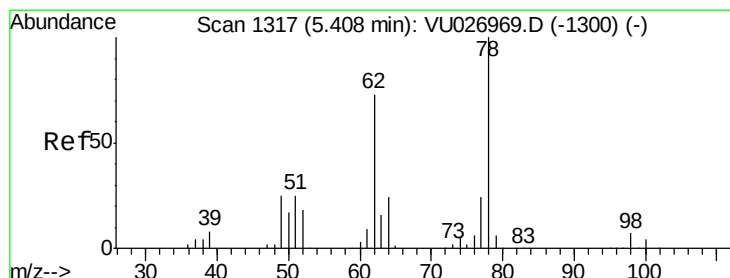
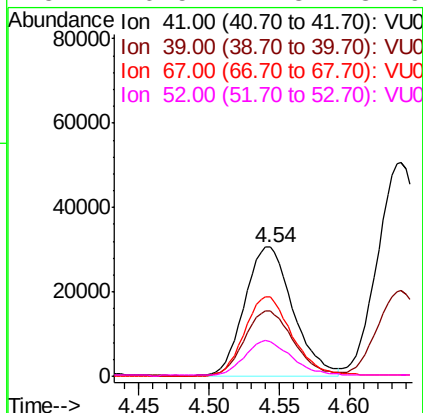
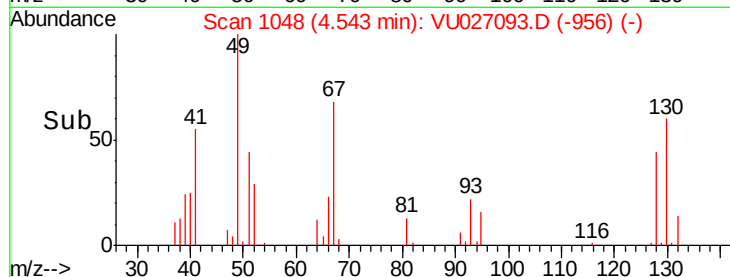
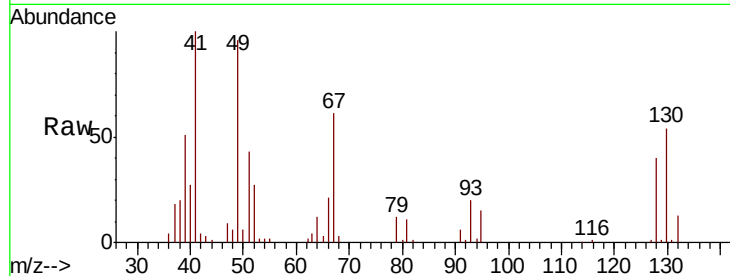
#41
Methacrylonitrile
Concen: 55.552 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.9	64.3
67	61.3	52.4	78.6
52	26.5	21.3	31.9

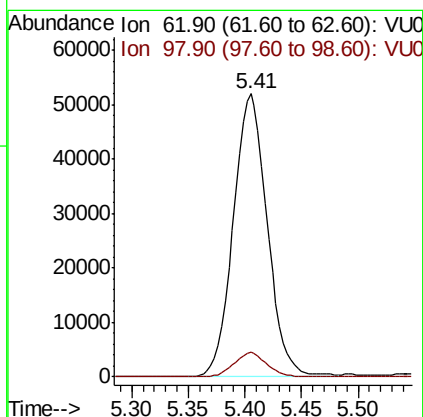
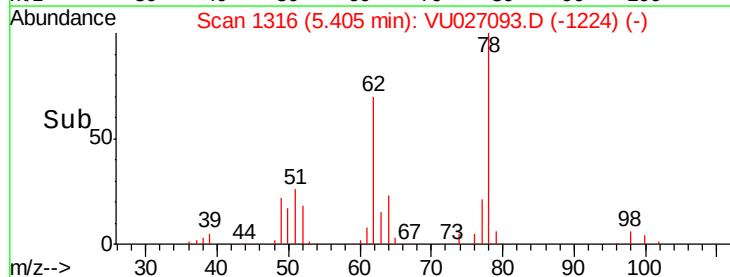
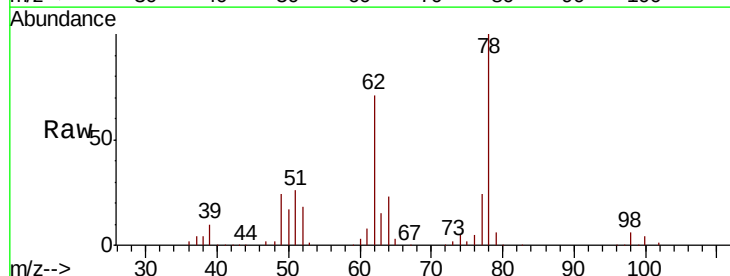
Manual Integrations
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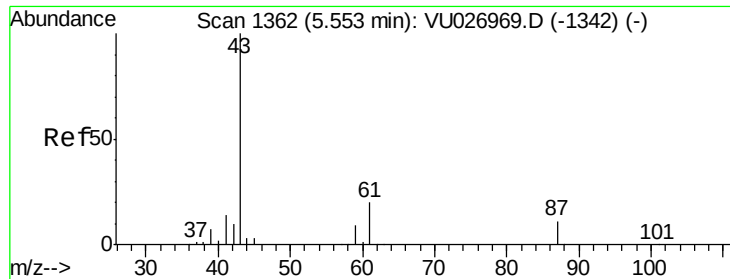
MMDadoda
9/25/2018 11:34:12 AM



#42
1,2-Dichloroethane
Concen: 50.736 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.0





#43

Isopropyl Acetate

Concen: 53.200 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

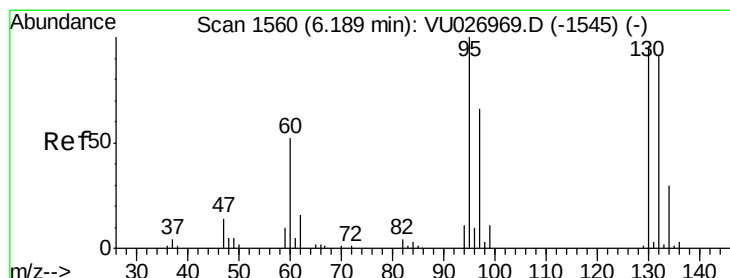
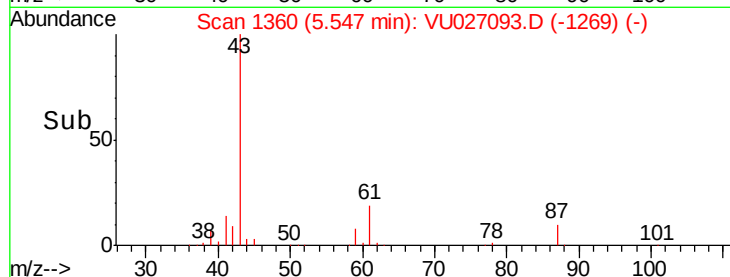
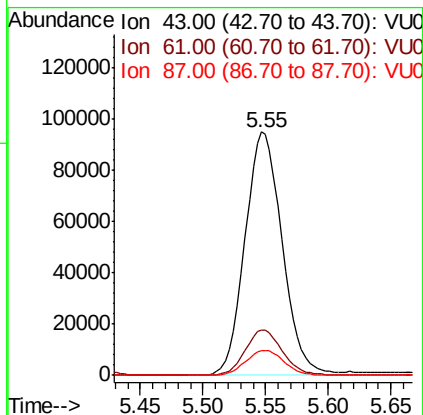
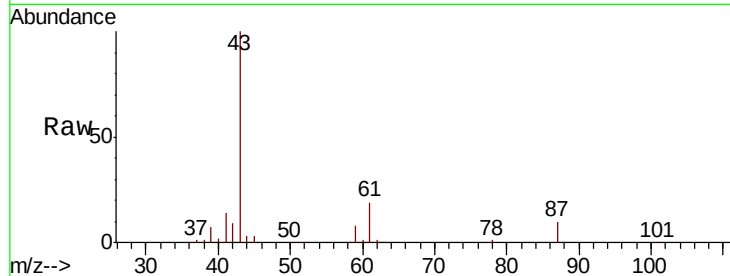
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	196209
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.7	23.5
87	10.7	9.0	13.4

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#44

Trichloroethene

Concen: 50.124 ug/l

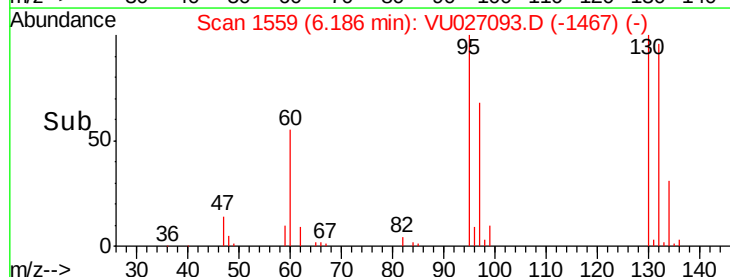
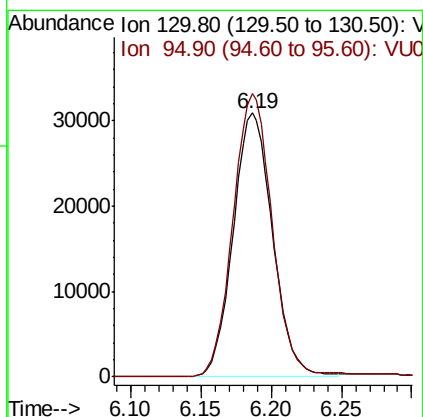
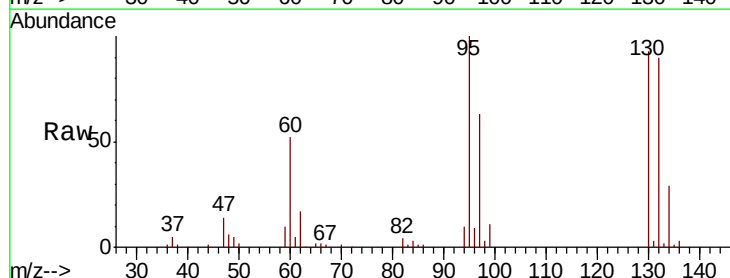
RT: 6.19 min Scan# 1559

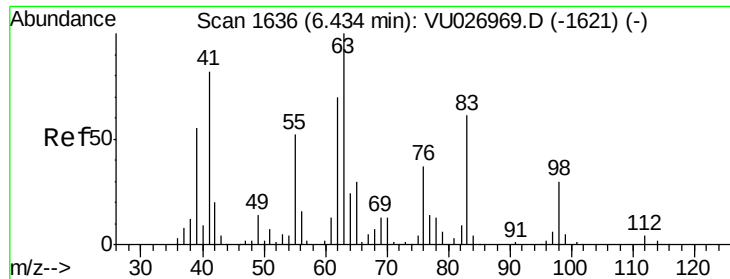
Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Tgt Ion:	130	Resp:	60600
Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	208.8





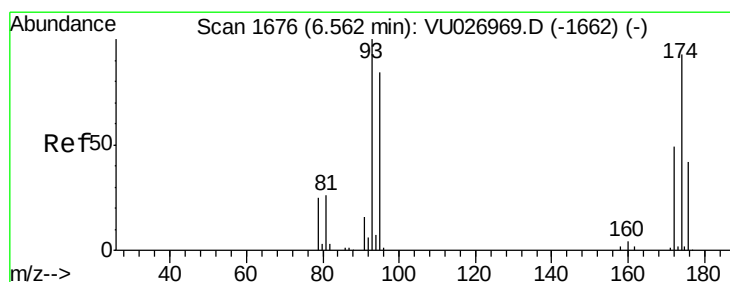
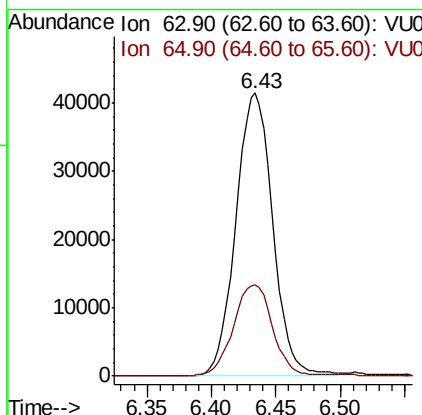
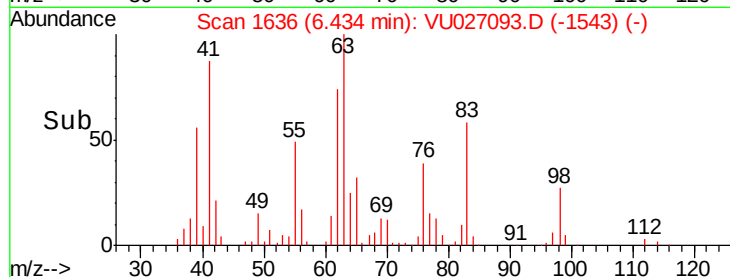
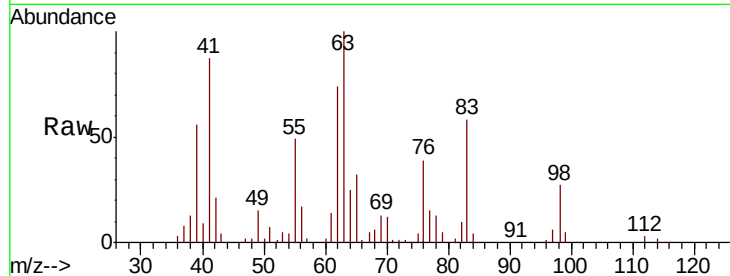
#45
 1,2-Dichloropropane
 Concen: 51.143 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 82757
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5

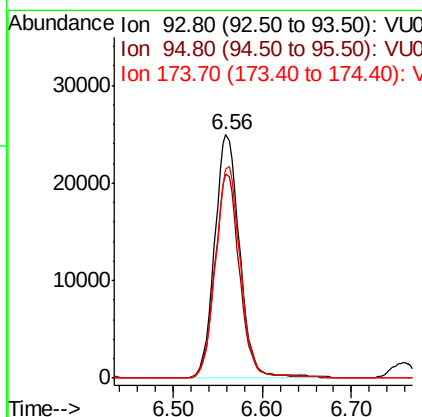
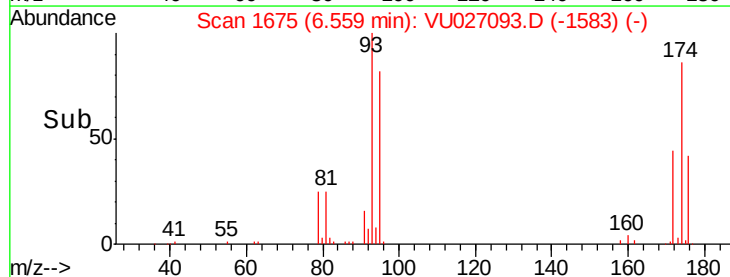
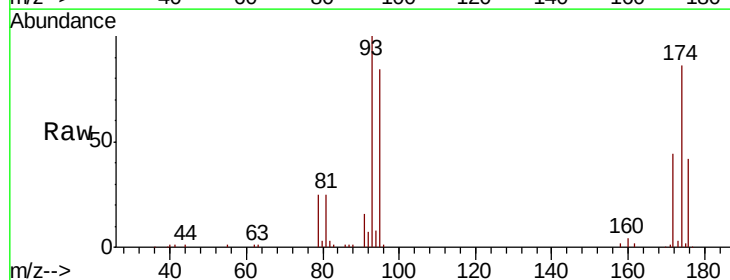
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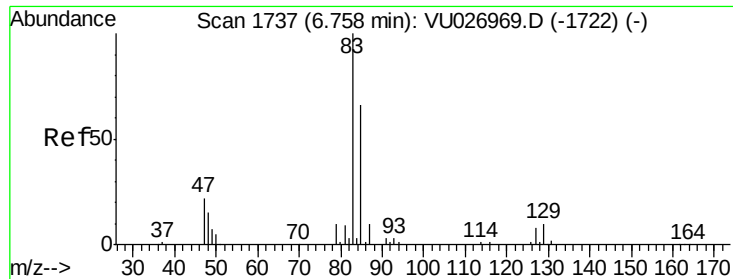
MMDadoda
 9/25/2018 11:34:12 AM



#46
 Dibromomethane
 Concen: 49.589 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion: 93 Resp: 48462
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.2 99.4
 174 86.3 71.7 107.5





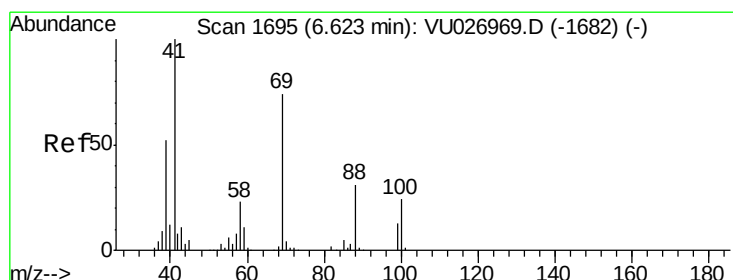
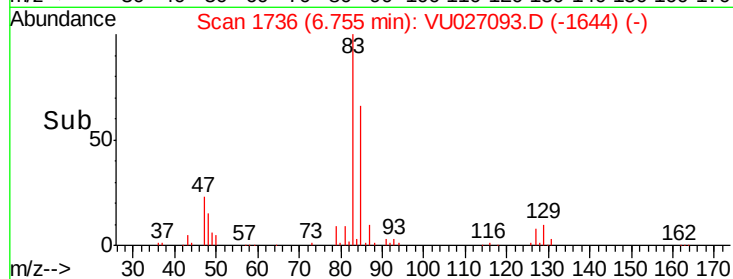
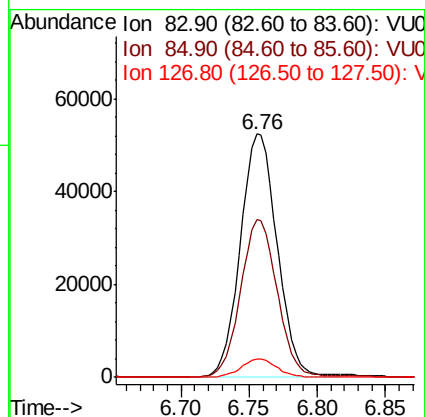
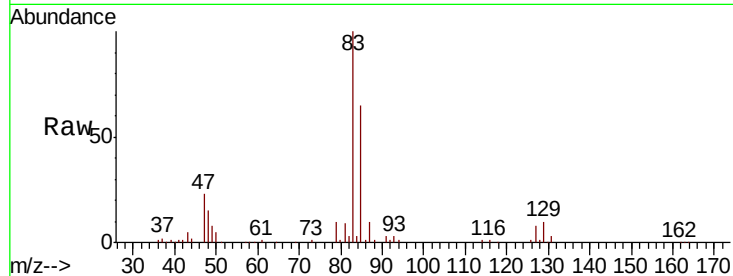
#47
Bromodichloromethane
Concen: 49.846 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.8	52.5	78.7	
127	7.6	6.3	9.5	

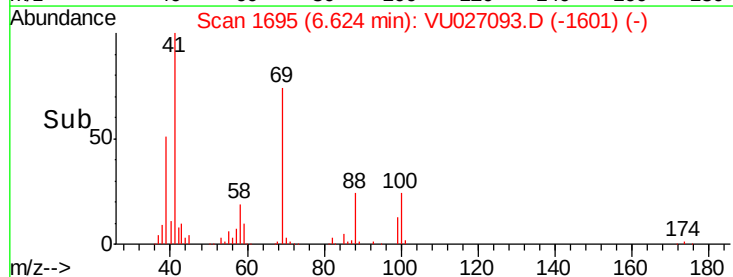
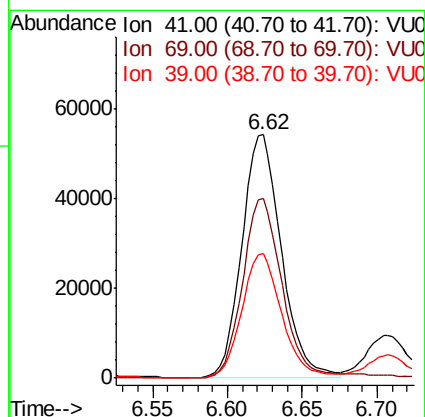
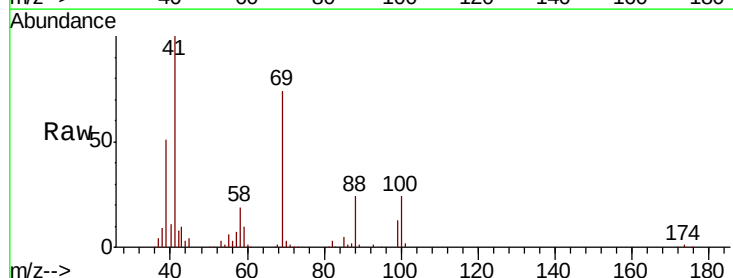
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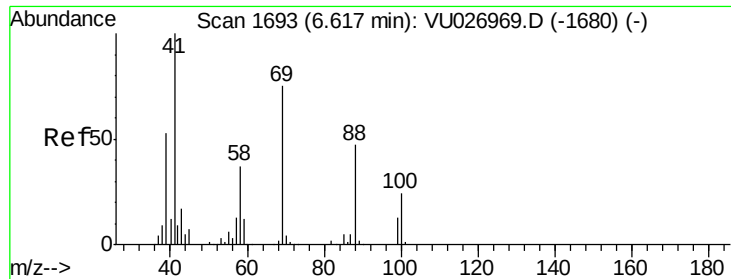
MMDadoda
9/25/2018 11:34:12 AM



#48
Methyl methacrylate
Concen: 49.605 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	74.5	60.6	90.8	
39	51.3	42.8	64.2	





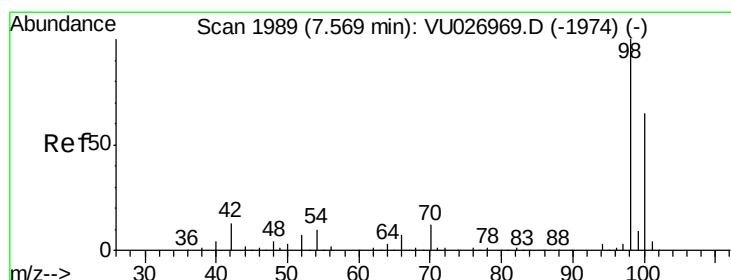
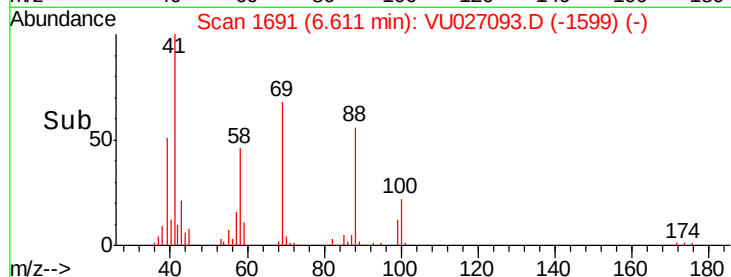
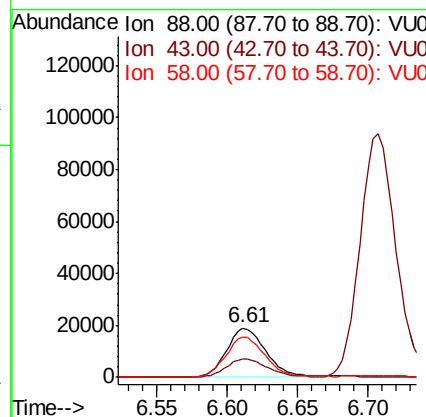
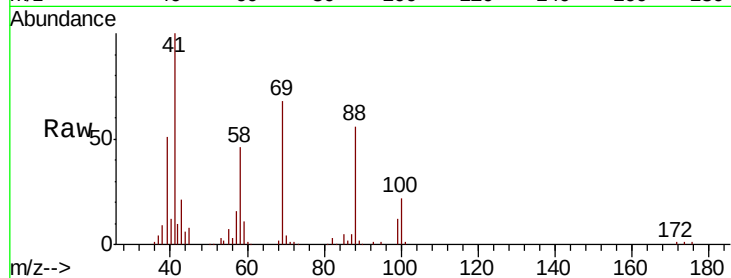
#49
1,4-Dioxane
Concen: 940.027 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	29.8	44.8
58	81.6	63.9	95.9

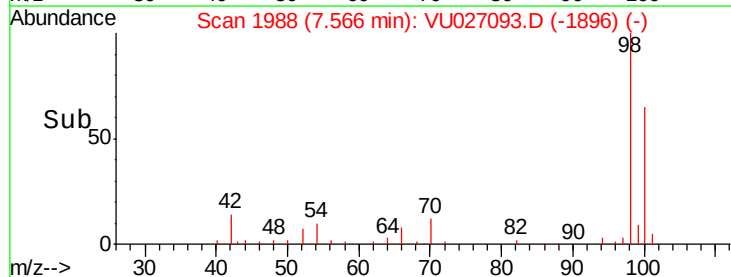
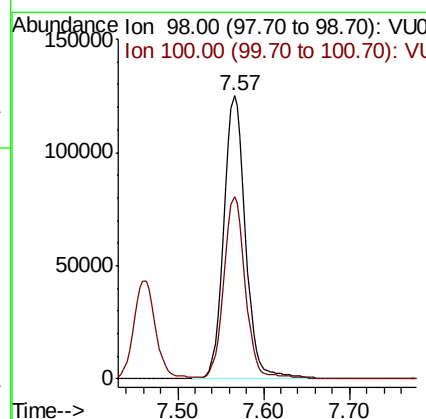
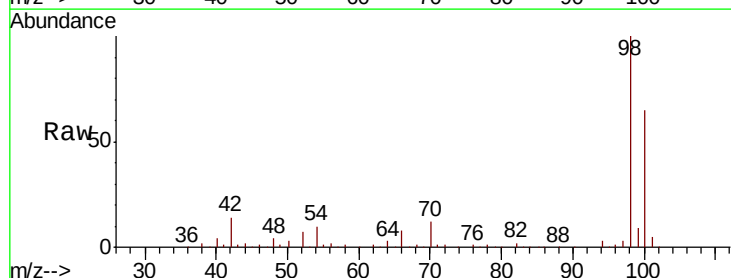
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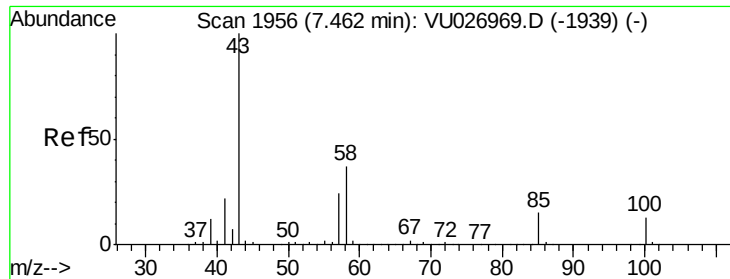
MMDadoda
9/25/2018 11:34:12 AM



#50
Toluene-d8
Concen: 47.636 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 264.904 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 657094

Ion Ratio Lower Upper

43 100

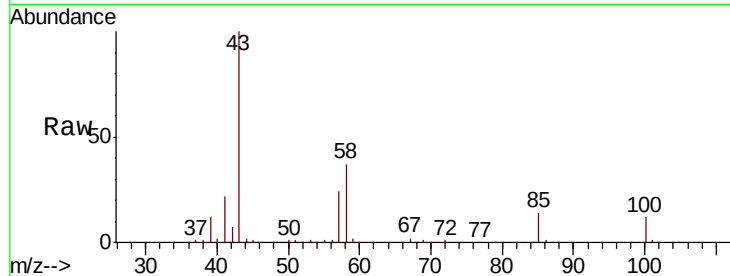
58 36.8 29.8 44.6

Manual Integrations

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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

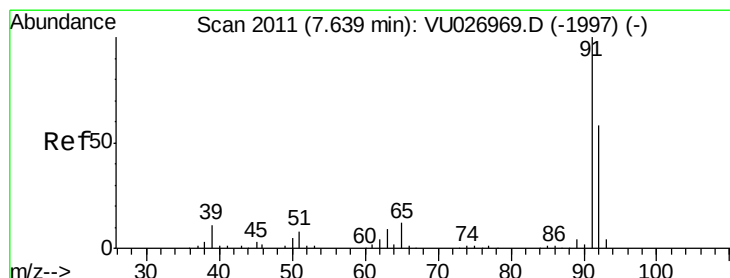
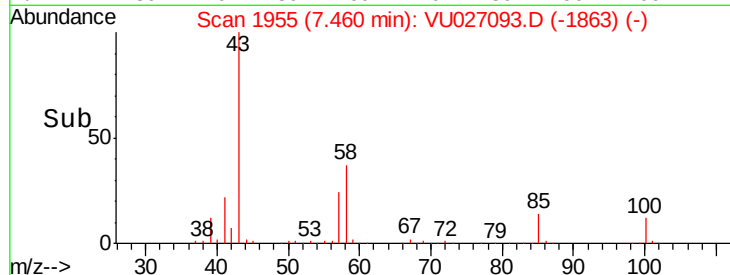
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.117 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027093.D

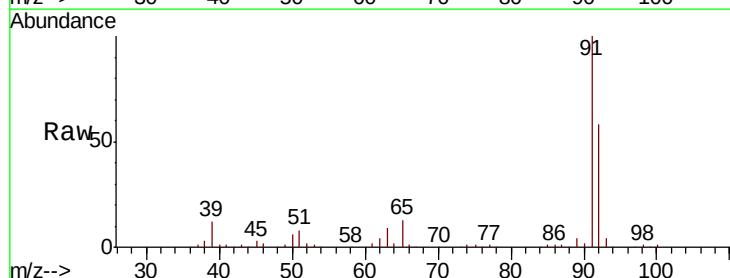
Acq: 24 Sep 2018 08:51

Tgt Ion: 92 Resp: 169652

Ion Ratio Lower Upper

92 100

91 172.8 136.4 204.6



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

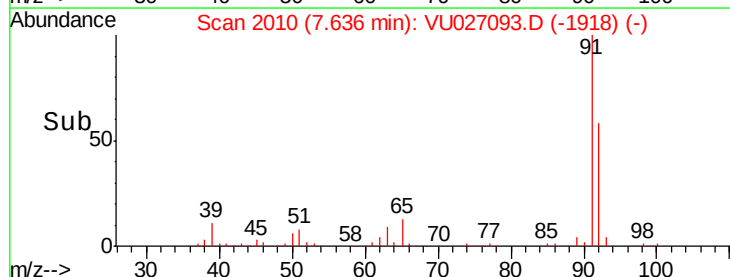
150000

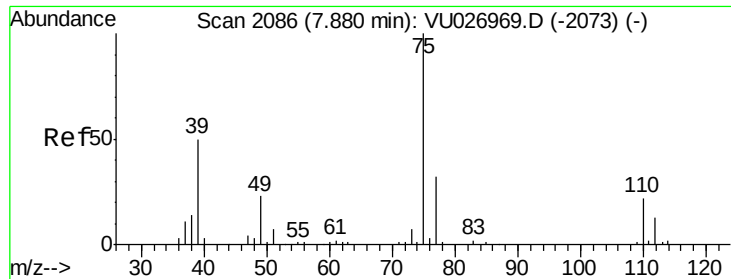
100000

50000

0

Time-->





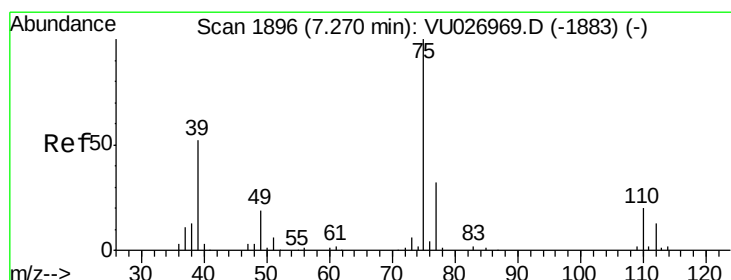
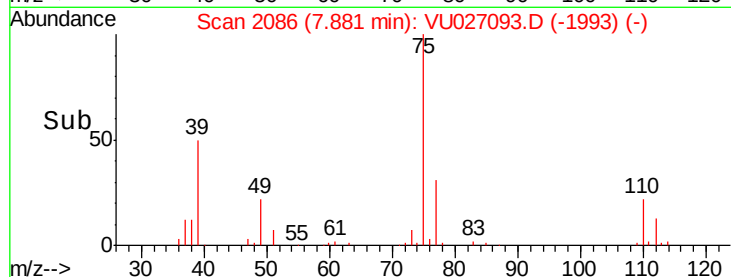
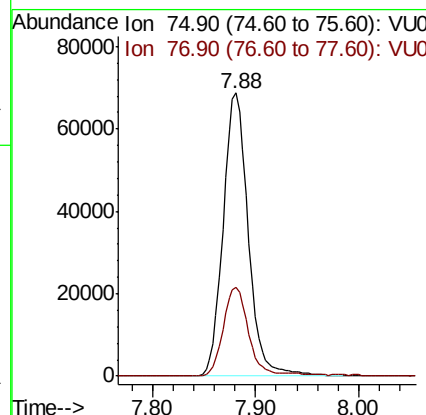
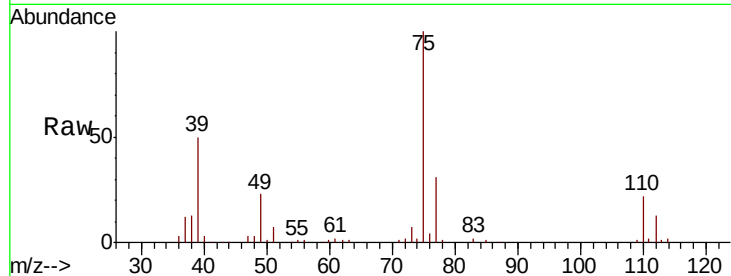
#53
t-1,3-Dichloropropene
Concen: 54.906 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 116574
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

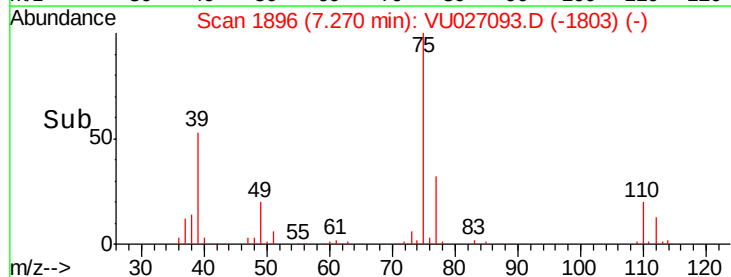
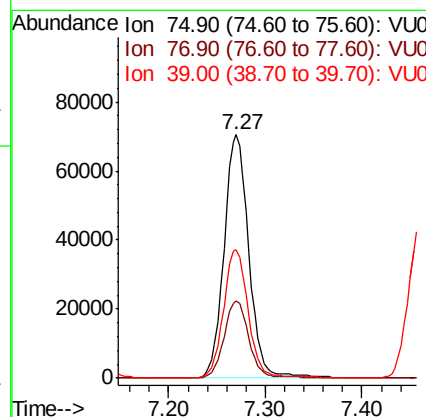
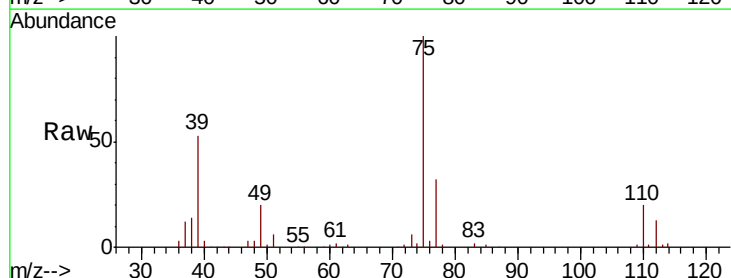
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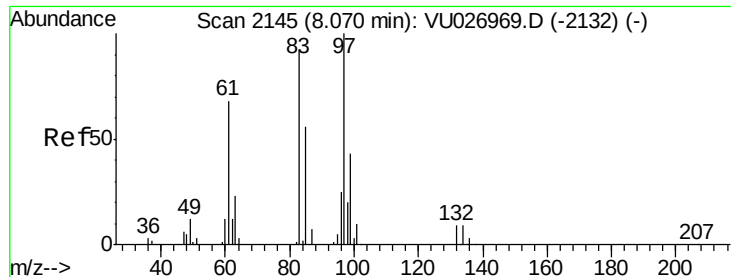
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#54
cis-1,3-Dichloropropene
Concen: 53.618 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion: 75 Resp: 125171
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0
39 52.9 41.6 62.4





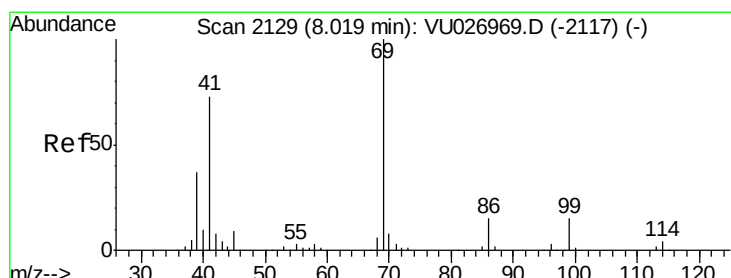
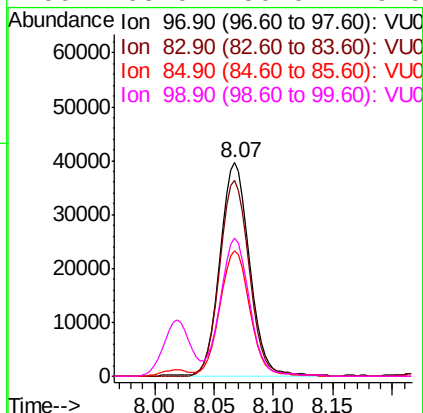
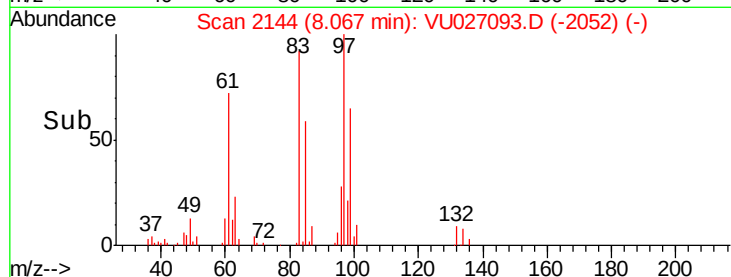
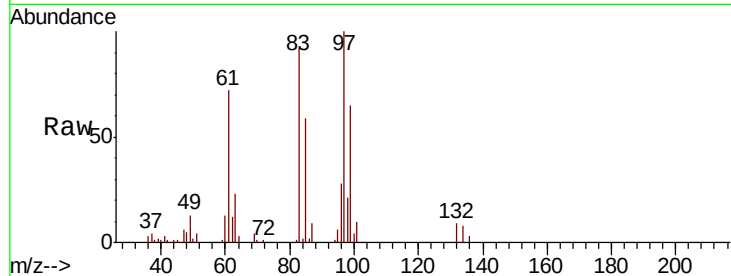
#55
 1,1,2-Trichloroethane
 Concen: 49.690 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	68539
Ion	Ratio	Lower	Upper
97	100		
83	91.7	73.1	109.7
85	58.8	46.7	70.1
99	65.0	50.0	75.0

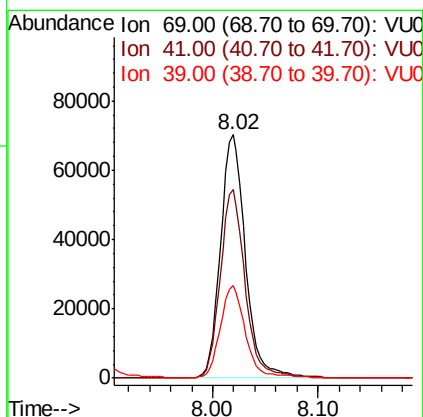
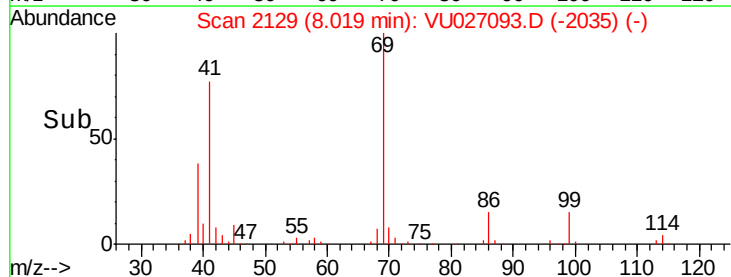
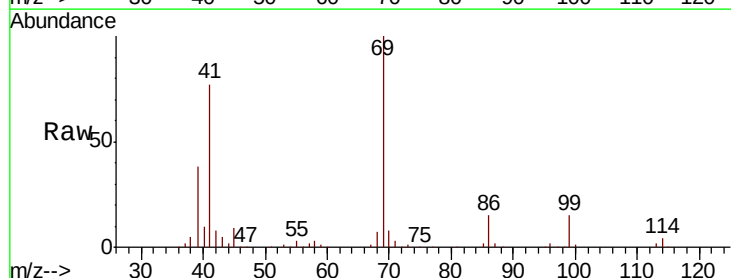
Manual Integrations
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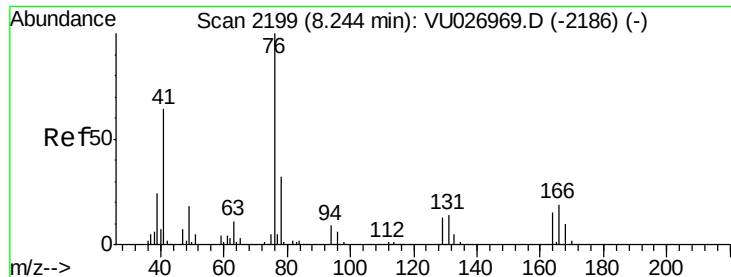
MMDadoda
 9/25/2018 11:34:12 AM



#56
 Ethyl methacrylate
 Concen: 48.259 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion:	69	Resp:	115306
Ion	Ratio	Lower	Upper
69	100		
41	77.4	59.0	88.4
39	37.9	30.2	45.4





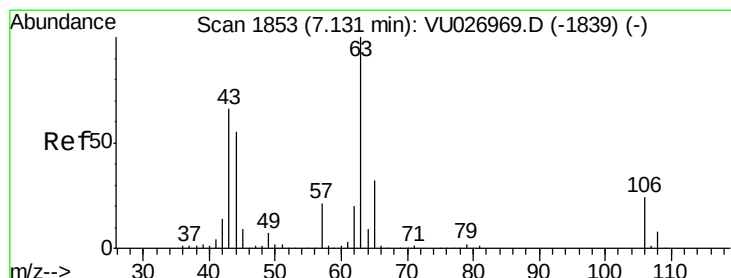
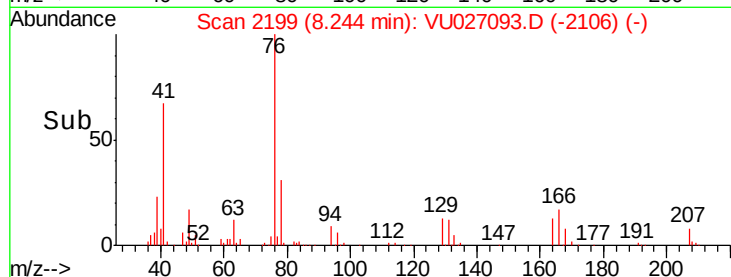
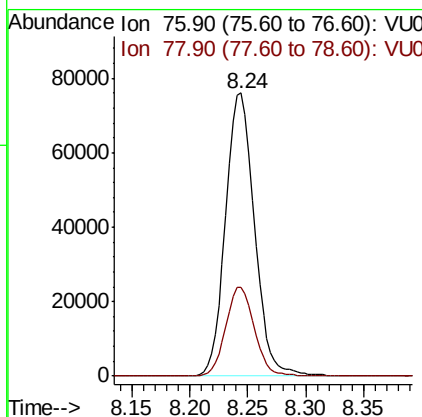
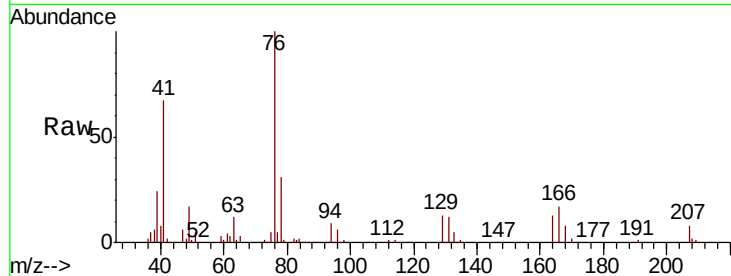
#57
 1,3-Dichloropropane
 Concen: 51.308 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.5	38.3

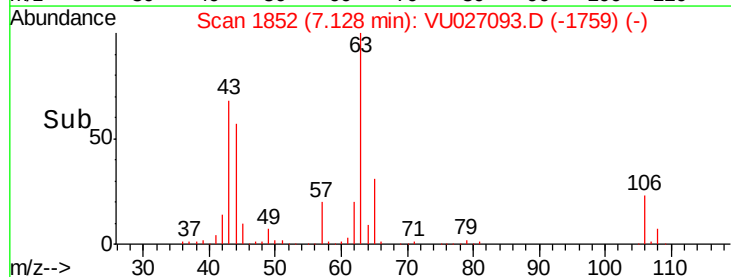
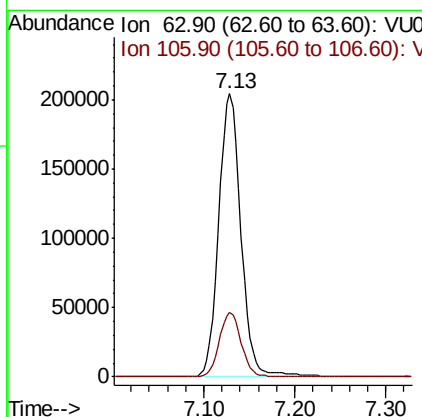
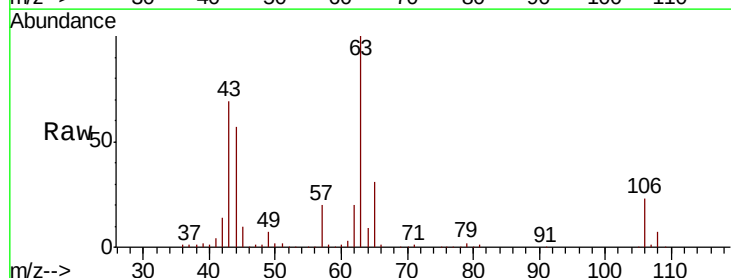
Manual Integrations
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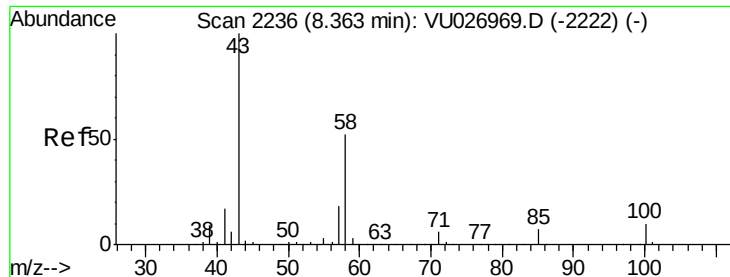
MMDadoda
 9/25/2018 11:34:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.554 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.4	18.7	28.1





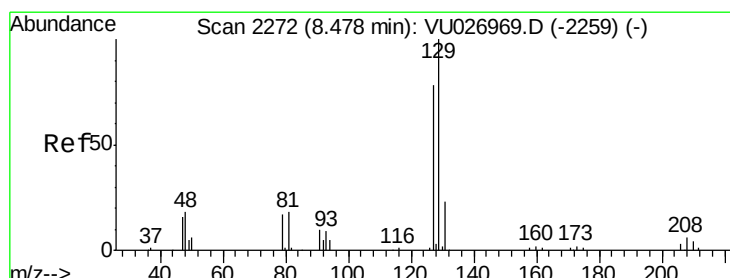
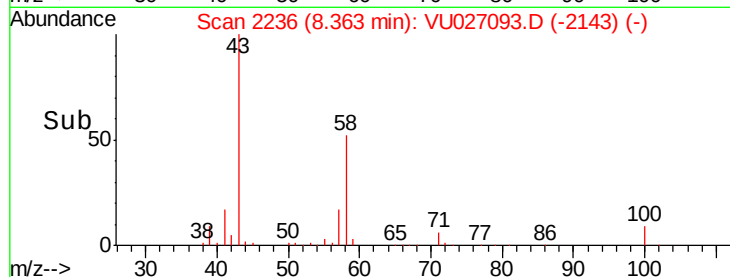
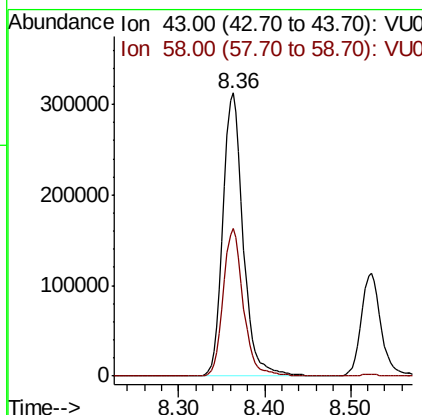
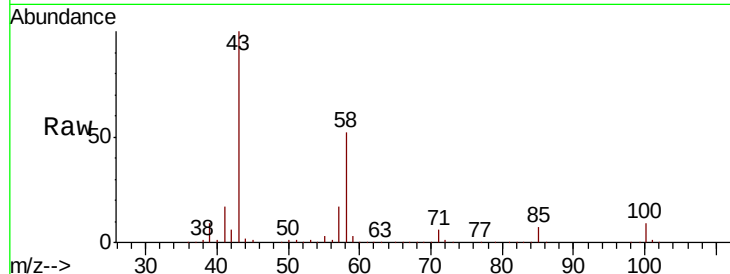
#59
2-Hexanone
Concen: 264.351 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	26.1	78.2

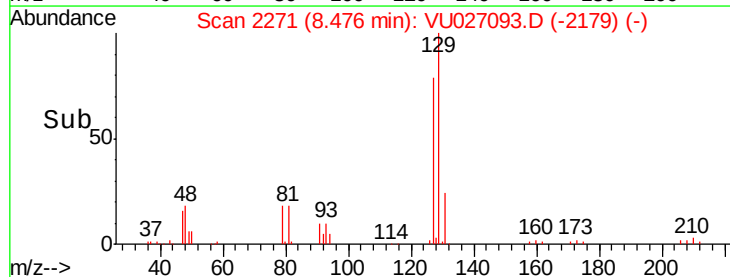
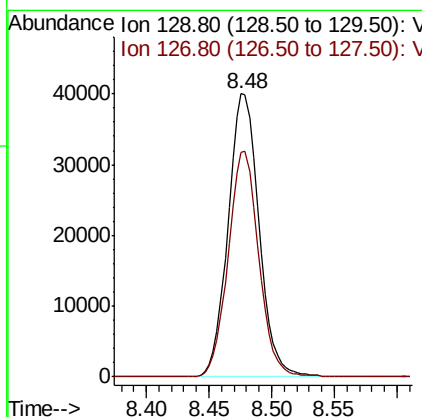
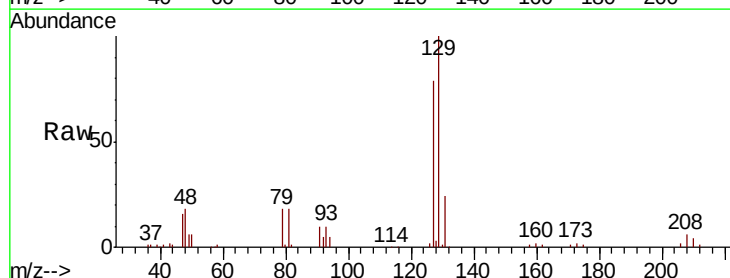
Manual Integrations
APPROVED

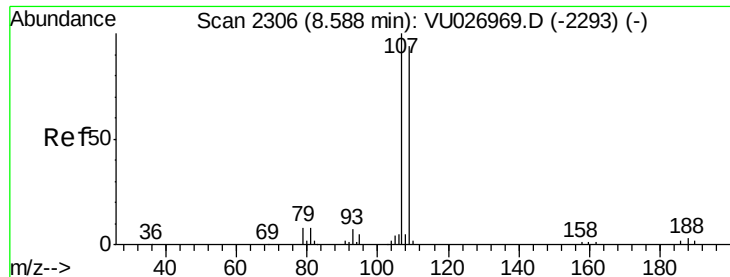
MMDadoda
9/25/2018 11:34:12 AM



#60
Dibromochloromethane
Concen: 50.670 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.1	114.5





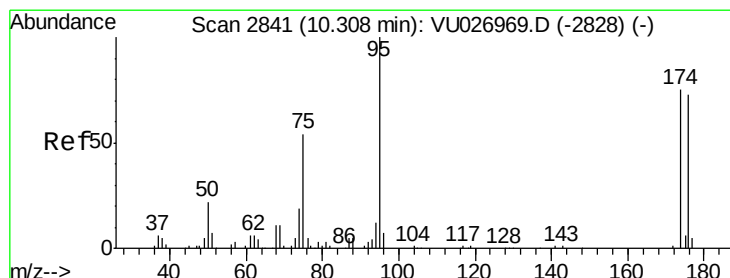
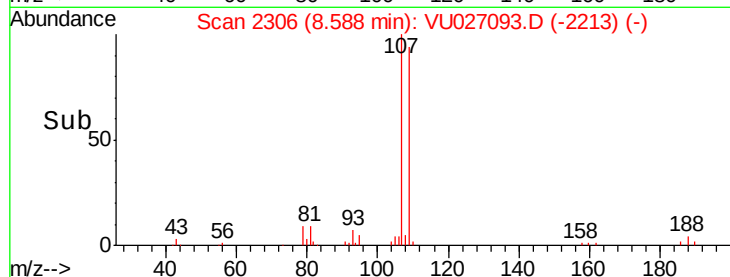
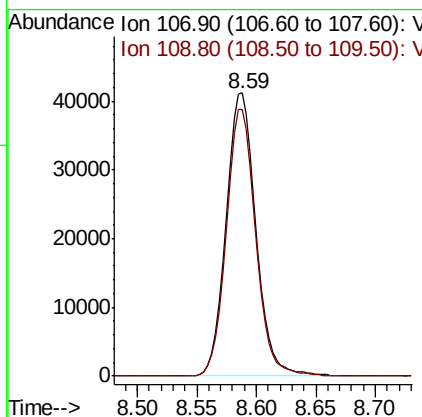
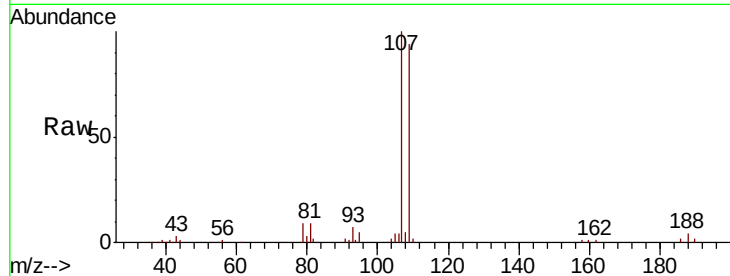
#61
 1,2-Dibromoethane
 Concen: 49.894 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.0	112.6

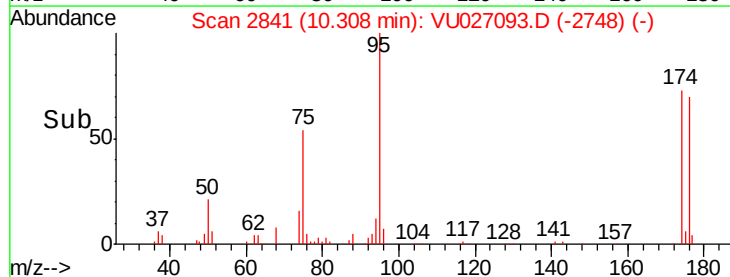
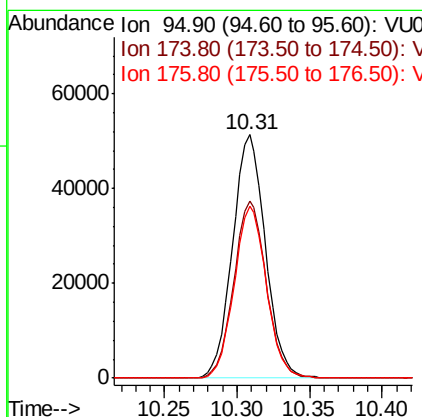
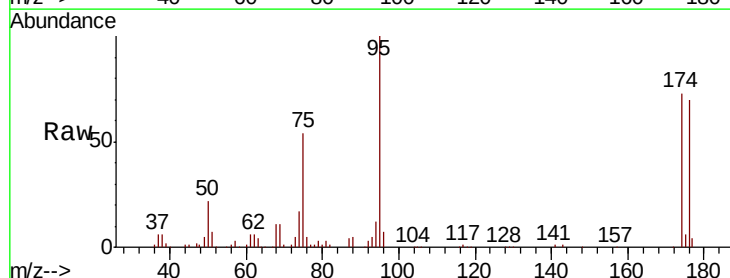
Manual Integrations
 APPROVED

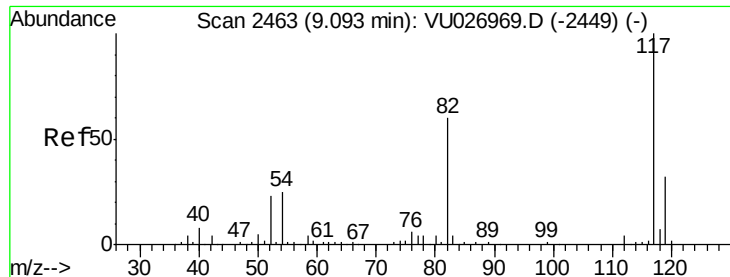
MMDadoda
 9/25/2018 11:34:12 AM



#62
 4-Bromofluorobenzene
 Concen: 50.765 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	150.2
176	69.3	0.0	145.2





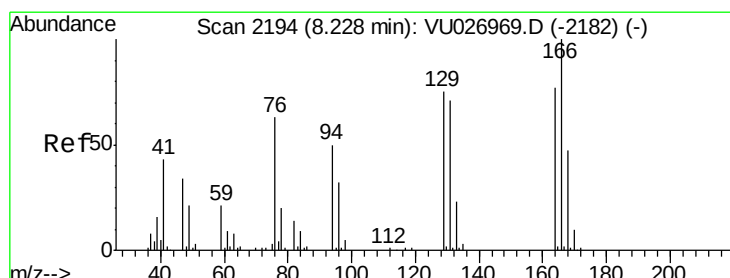
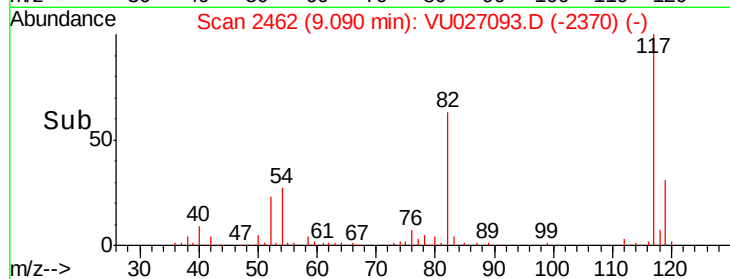
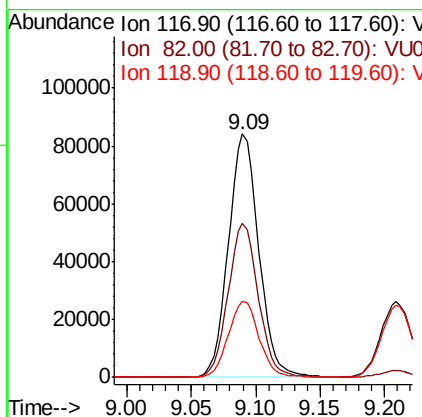
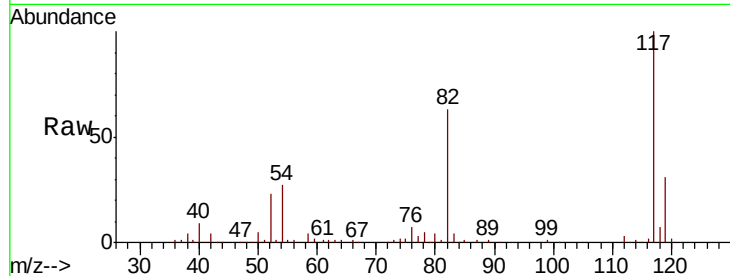
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	137732		
82	63.5	48.0	72.0	
119	31.2	25.8	38.8	

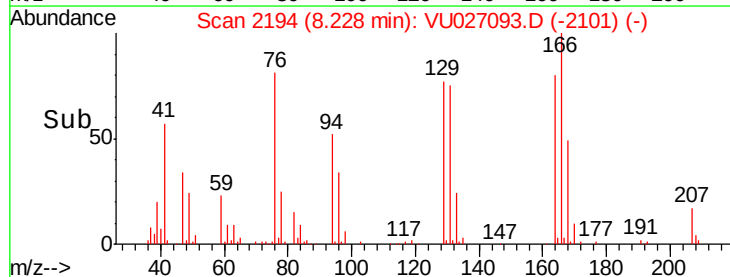
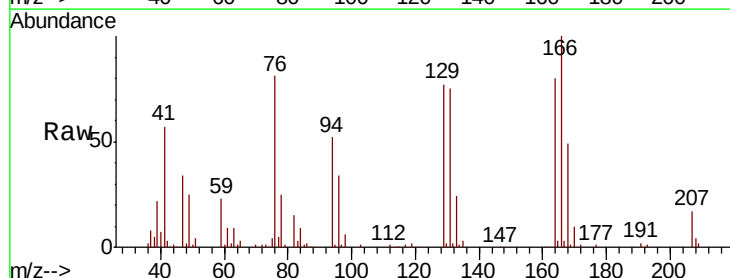
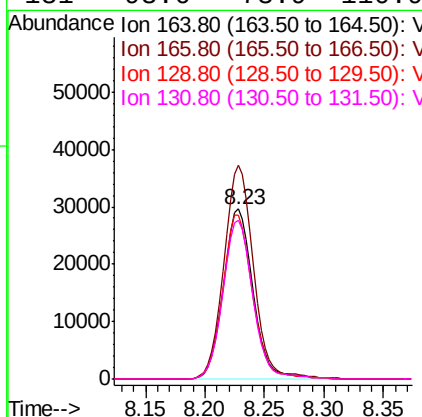
Manual Integrations
APPROVED

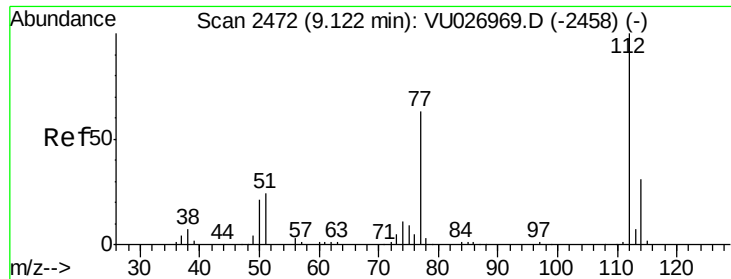
MMDadoda
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#64
Tetrachloroethene
Concen: 48.530 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51506		
166	125.5	104.4	156.6	
129	96.1	78.7	118.1	
131	93.6	73.9	110.9	





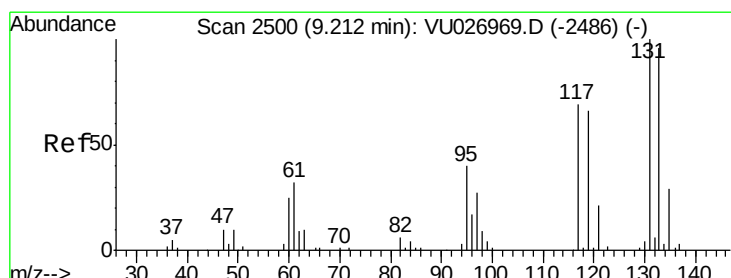
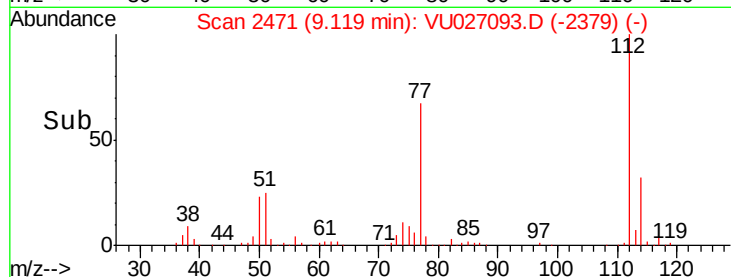
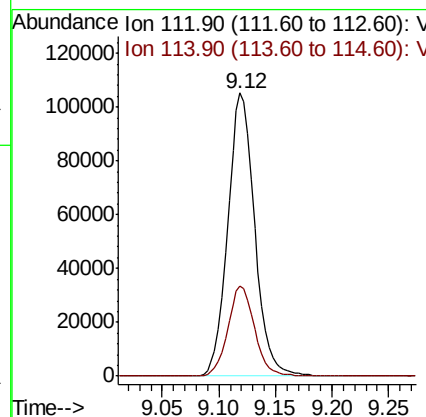
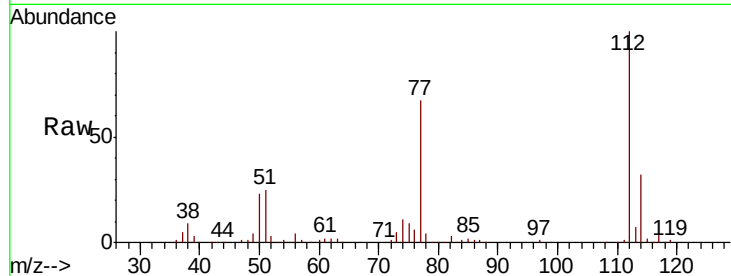
#65
Chlorobenzene
Concen: 47.645 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 173997
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

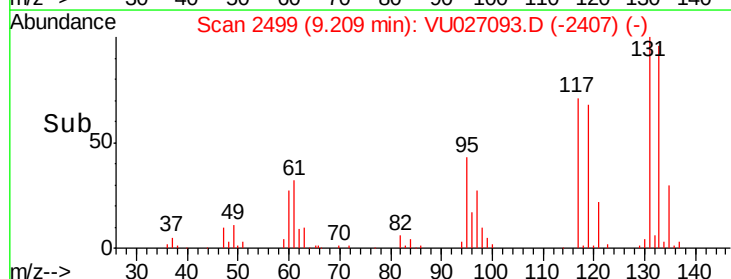
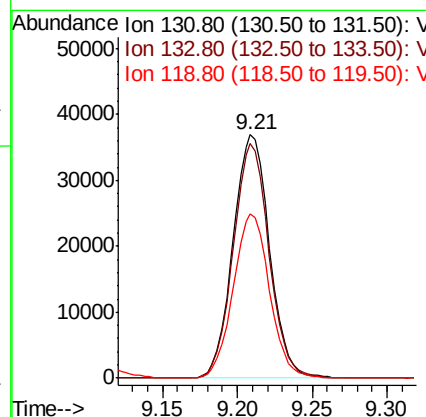
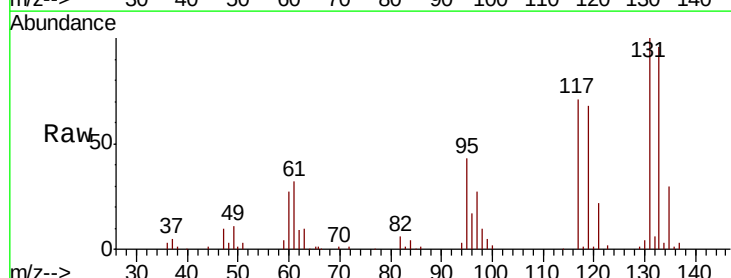
Manual Integrations
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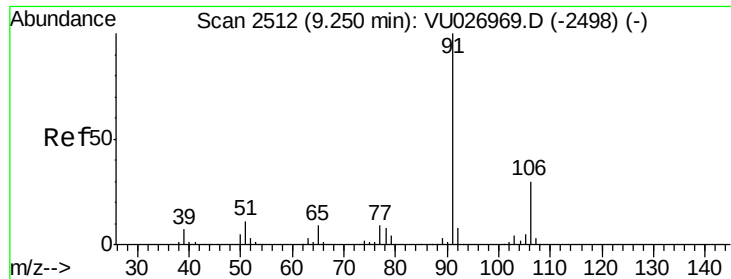
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.759 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion:131 Resp: 62591
Ion Ratio Lower Upper
131 100
133 94.9 48.0 144.2
119 67.2 33.4 100.1





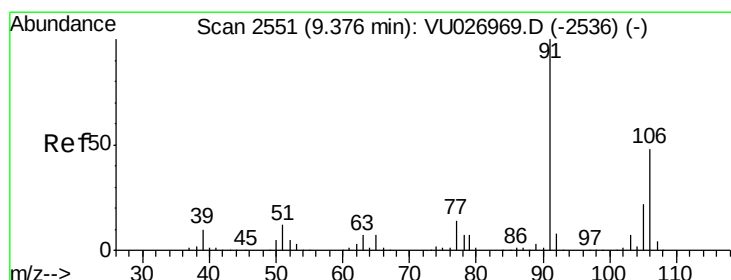
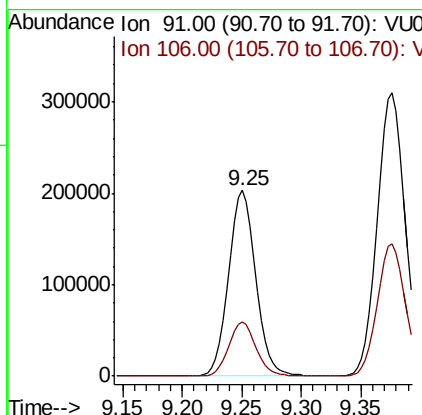
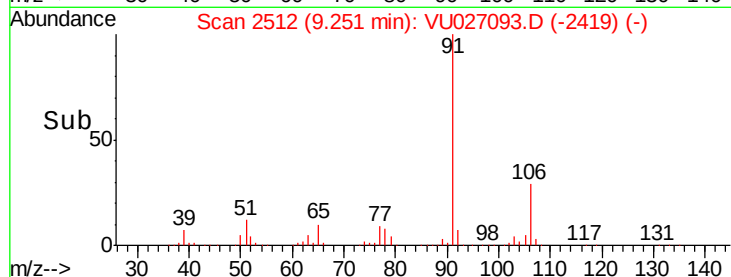
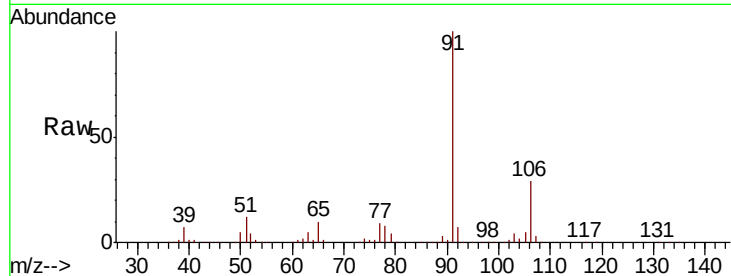
#67
Ethyl Benzene
Concen: 53.545 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 321549
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.8

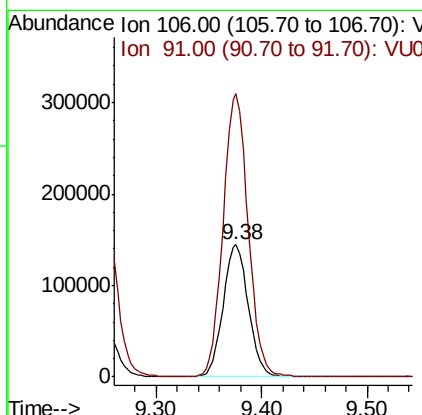
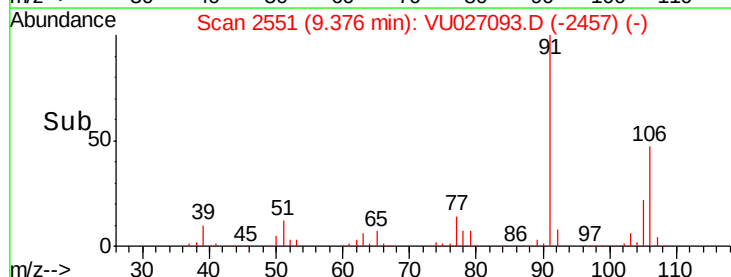
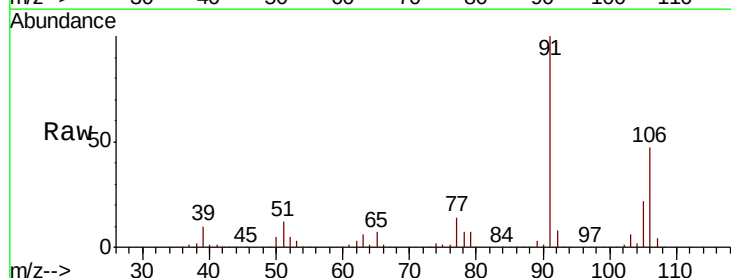
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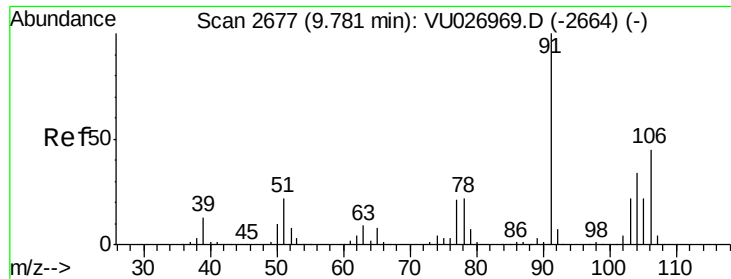
MMDadoda
9/25/2018 11:34:12 AM



#68
m/p-Xylenes
Concen: 98.263 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion: 106 Resp: 238915
Ion Ratio Lower Upper
106 100
91 212.6 166.5 249.7





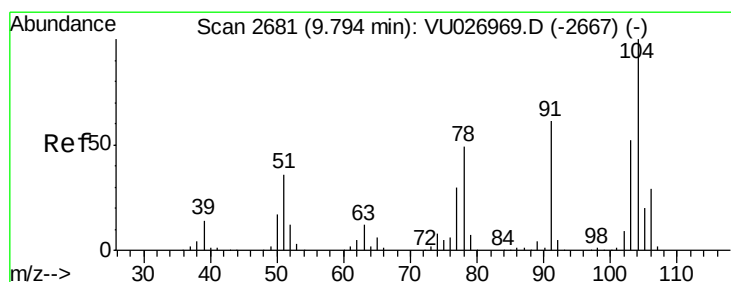
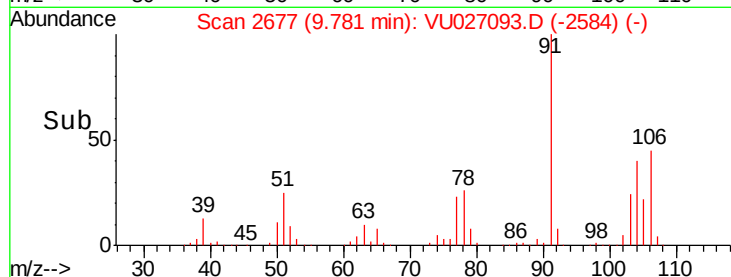
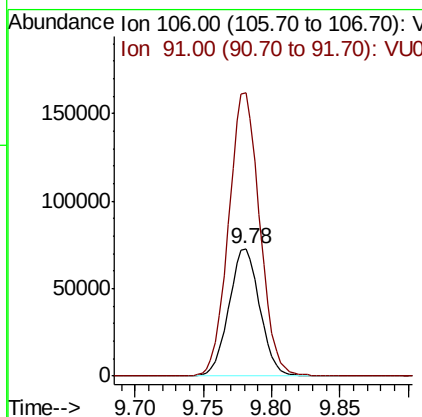
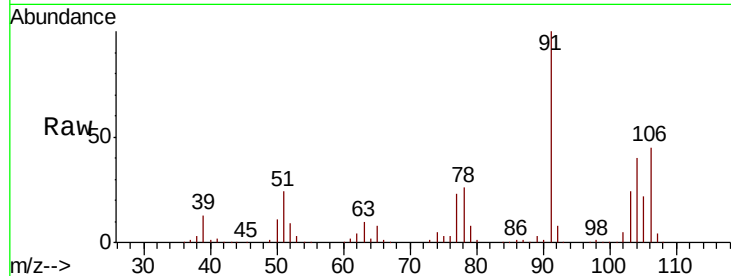
#69
o-Xylene
Concen: 53.879 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 114640
Ion Ratio Lower Upper
106 100
91 224.1 110.2 330.6

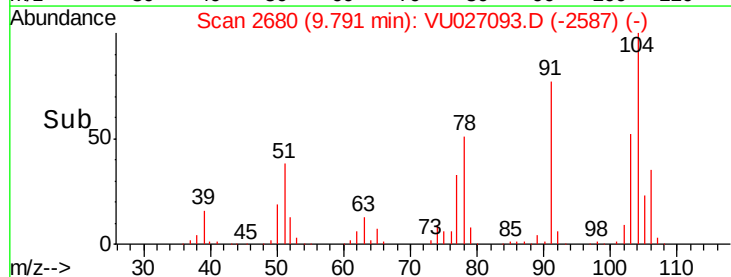
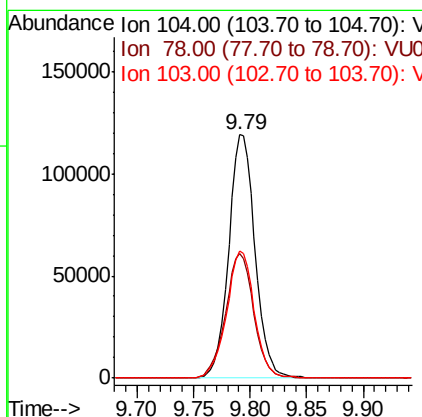
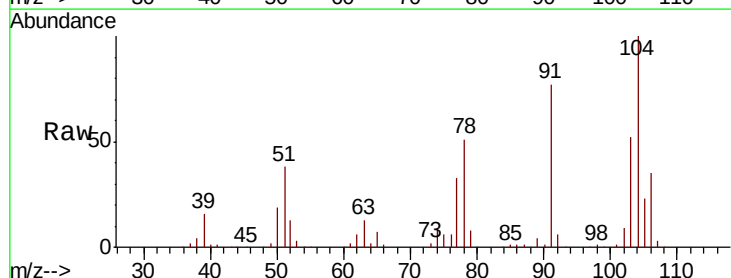
Manual Integrations
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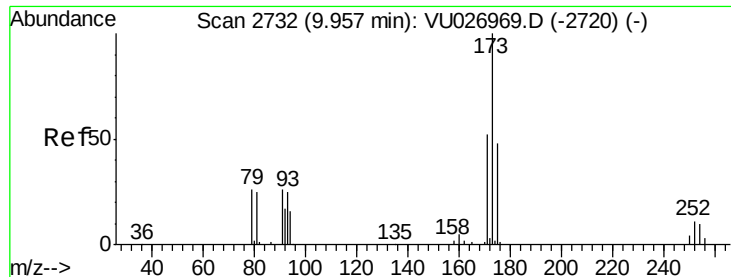
MMDadoda
9/25/2018 11:34:12 AM



#70
Styrene
Concen: 48.554 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion:104 Resp: 192680
Ion Ratio Lower Upper
104 100
78 54.6 43.0 64.4
103 54.9 44.1 66.1





#71

Bromoform

Concen: 51.956 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

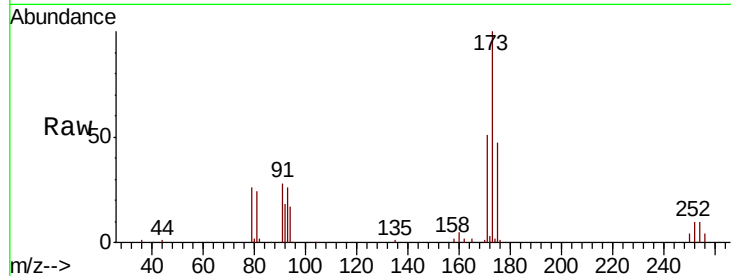
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	50539
Ion	Ratio	Lower	Upper
173	100		
175	46.9	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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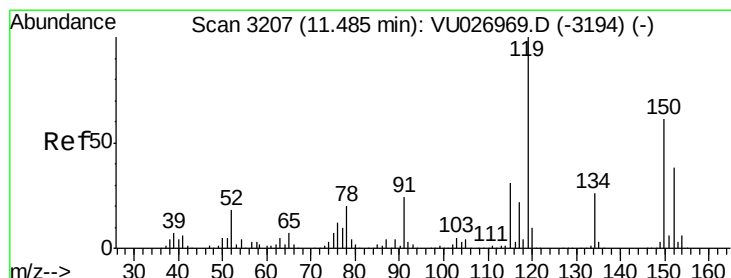
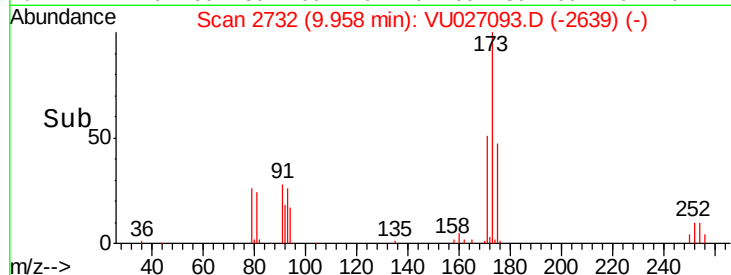
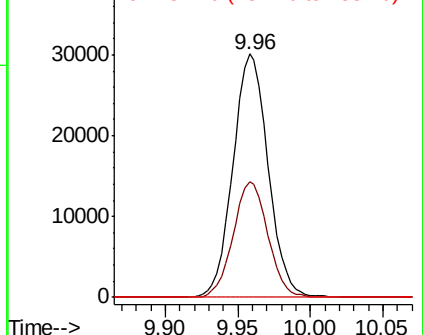


Abundance

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

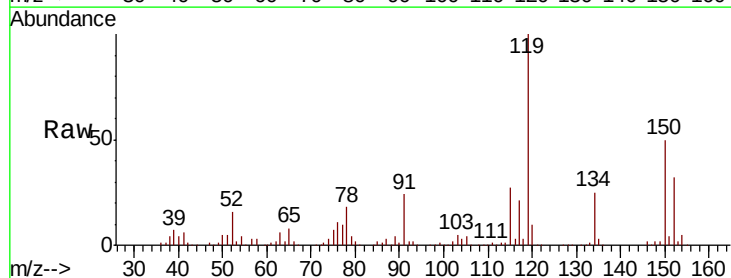
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Tgt Ion:	152	Resp:	76259
Ion	Ratio	Lower	Upper
152	100		
115	89.6	44.9	134.5
150	177.1	0.0	355.8

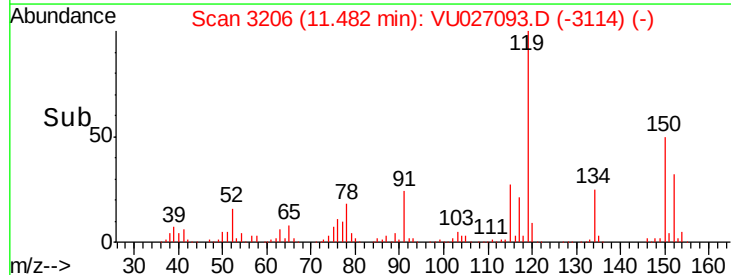
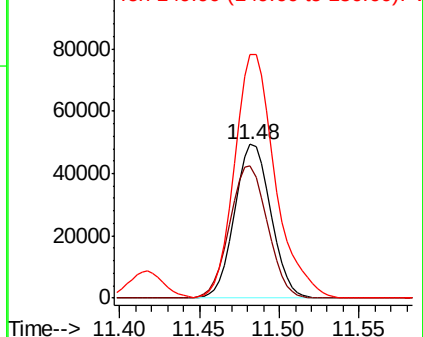


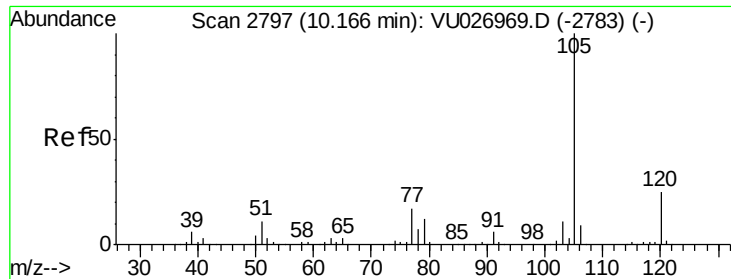
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.164 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 314200

Ion Ratio Lower Upper

105 100

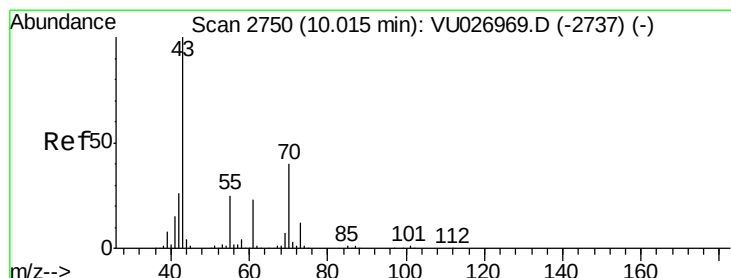
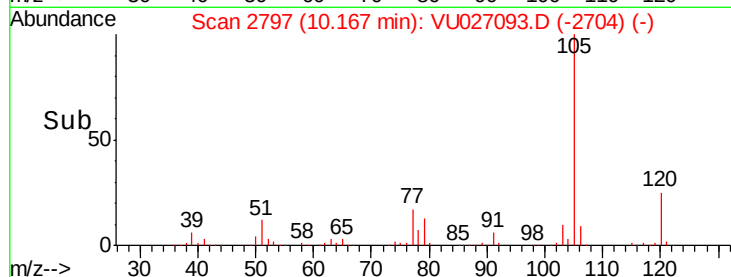
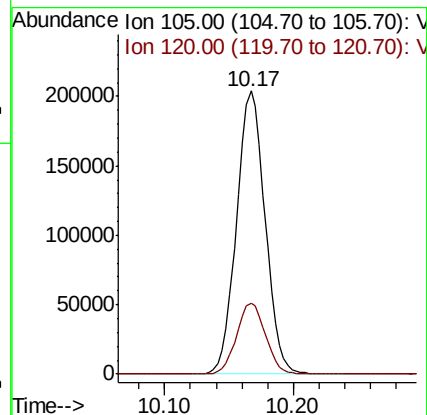
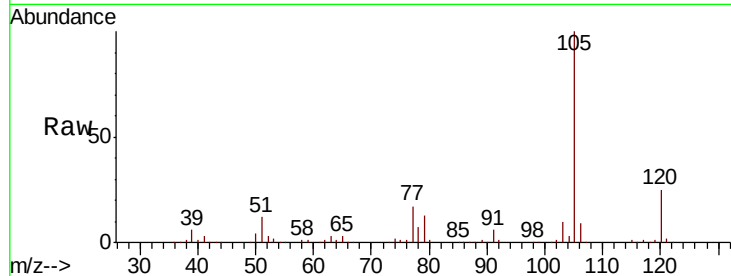
120 25.2 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.429 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Tgt Ion: 43 Resp: 179407

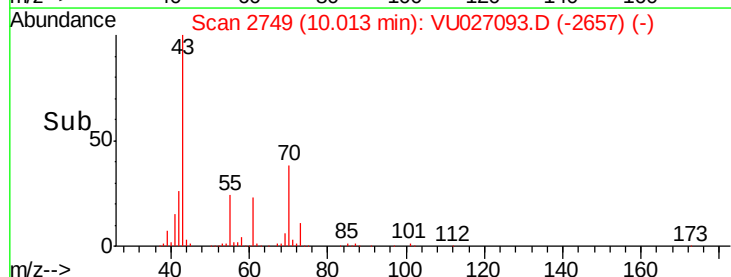
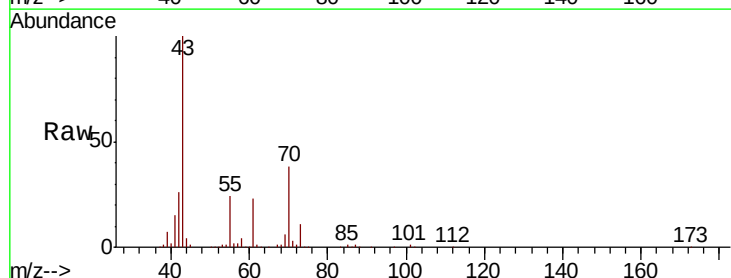
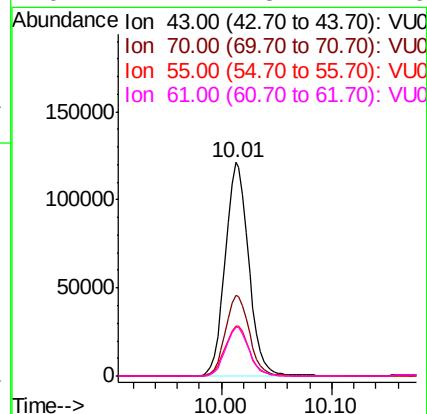
Ion Ratio Lower Upper

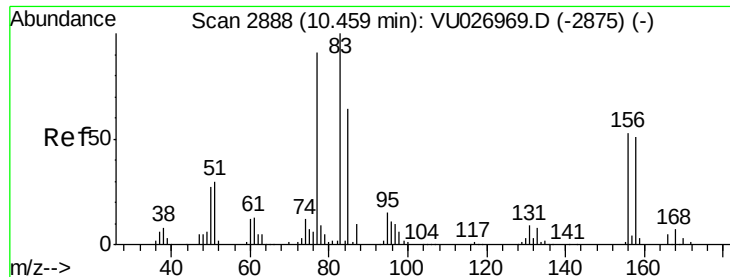
43 100

70 38.4 31.8 47.8

55 24.0 19.9 29.9

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.570 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

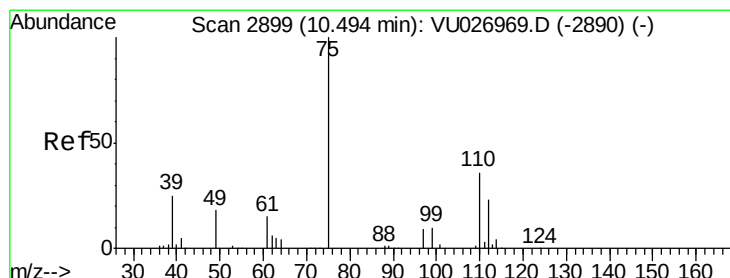
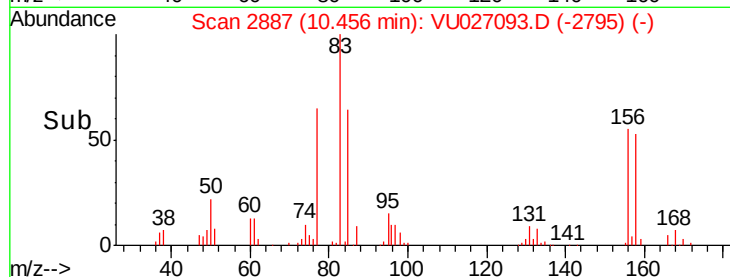
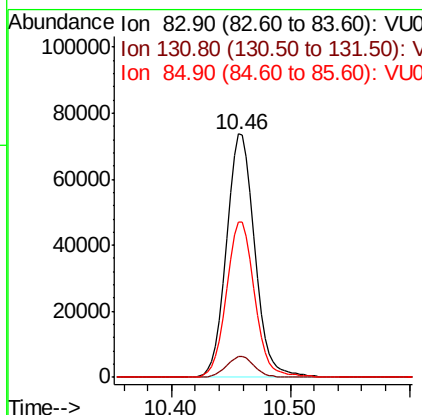
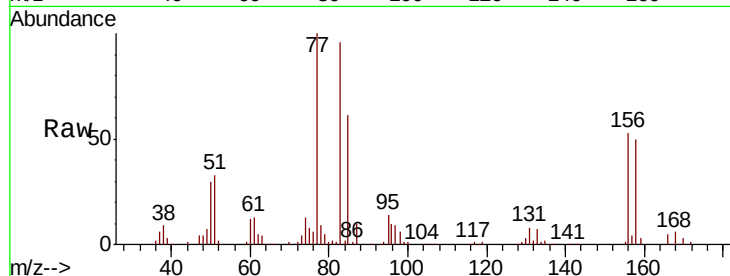
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	121541
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.3	12.8
85	64.0	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.327 ug/l m

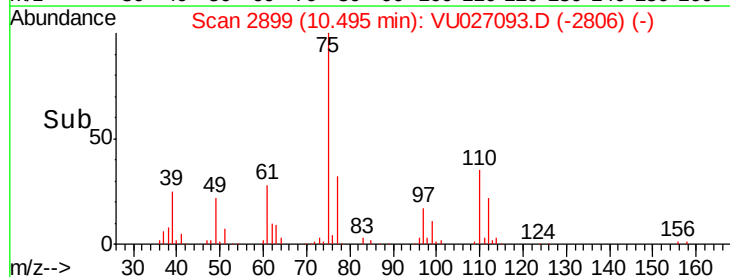
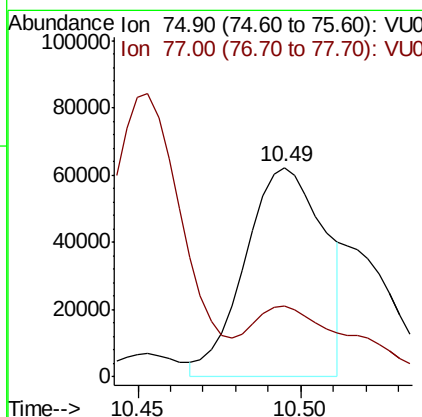
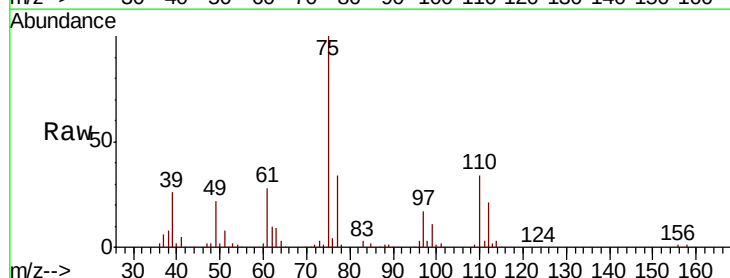
RT: 10.49 min Scan# 2899

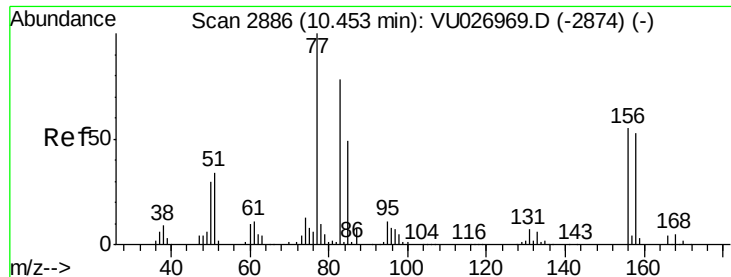
Delta R.T. 0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Tgt Ion:	75	Resp:	105010
Ion Ratio	Lower	Upper	
75	100		
77	44.0	20.9	62.8





#77

Bromobenzene

Concen: 48.941 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 69377

Ion Ratio Lower Upper

156 100

77 195.7 92.3 276.9

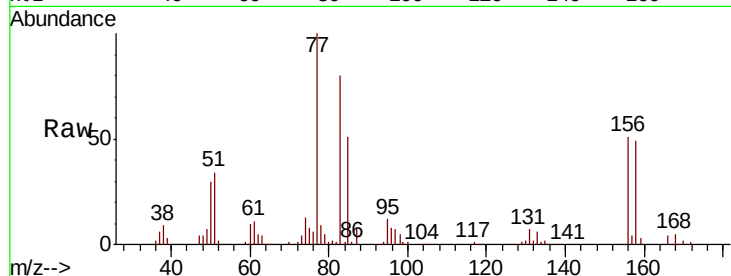
158 96.0 48.1 144.3

Manual Integrations

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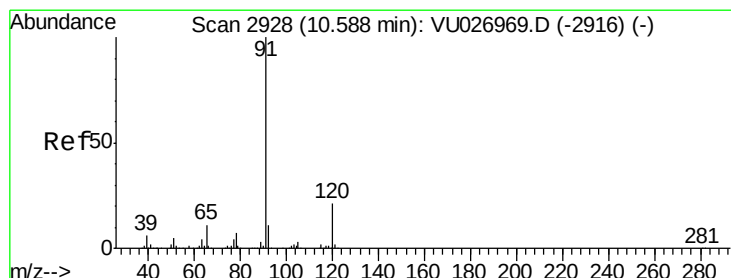
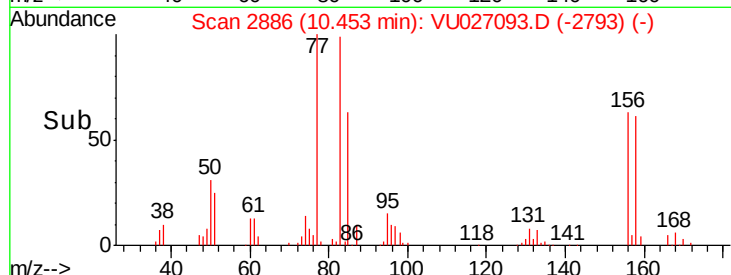
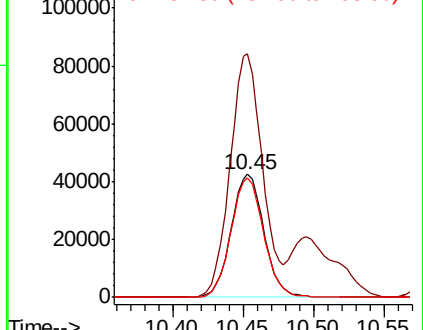
9/25/2018 11:34:12 AM



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: 56.551 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027093.D

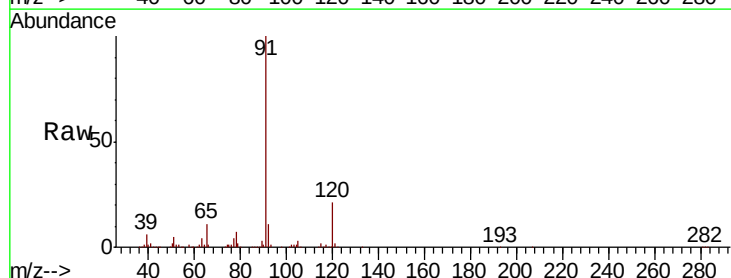
Acq: 24 Sep 2018 08:51

Tgt Ion: 91 Resp: 388158

Ion Ratio Lower Upper

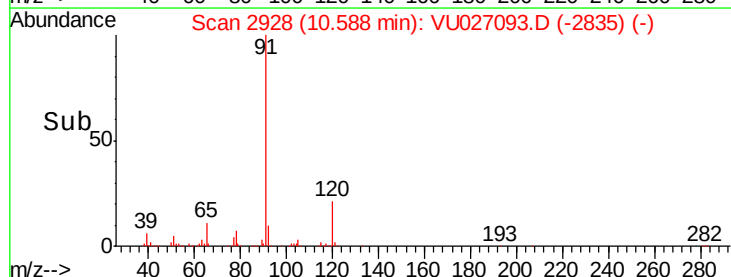
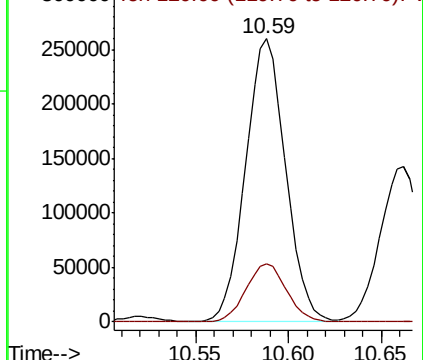
91 100

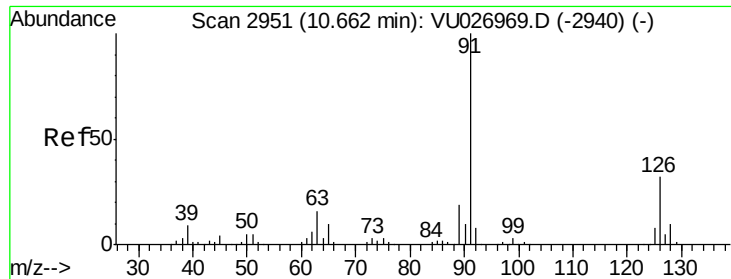
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.103 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 224636

Ion Ratio Lower Upper

91 100

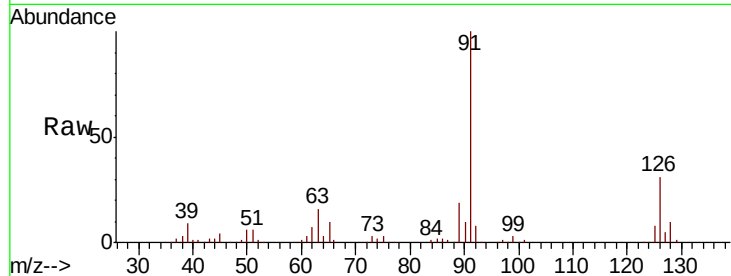
126 30.4 15.8 47.3

Manual Integrations

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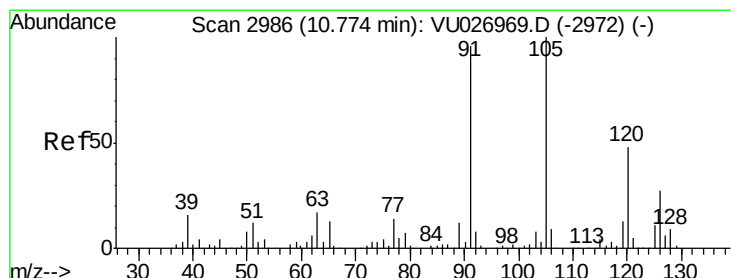
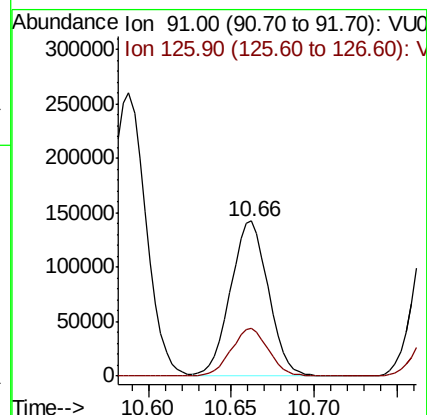
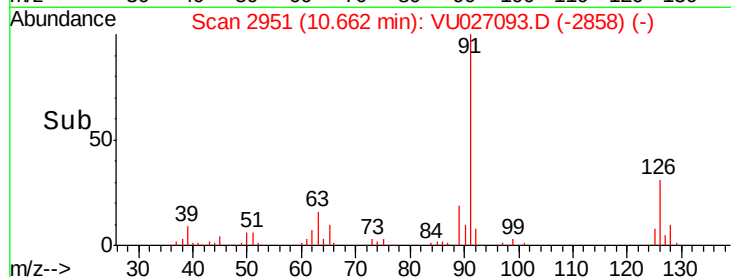
MMDadoda

9/25/2018 11:34:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027093.D (-2858) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.472 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU027093.D

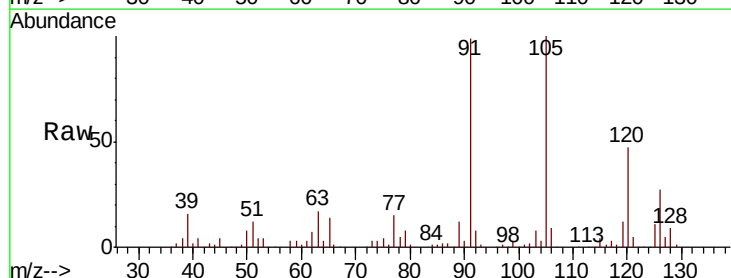
Acq: 24 Sep 2018 08:51

Tgt Ion: 105 Resp: 265630

Ion Ratio Lower Upper

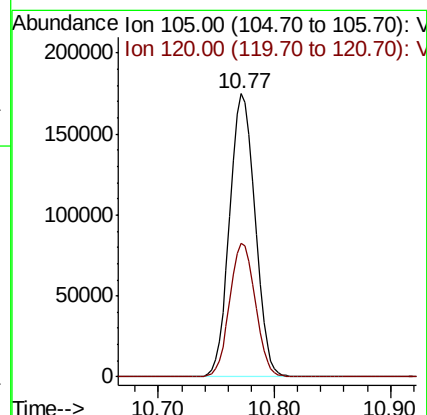
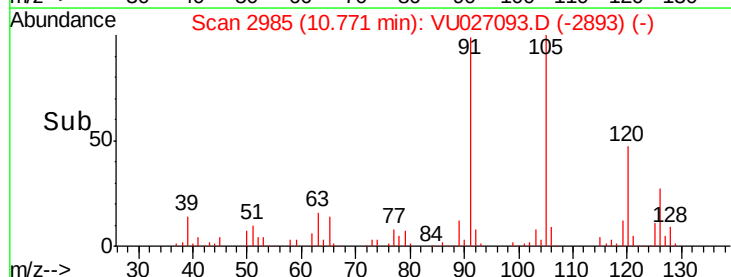
105 100

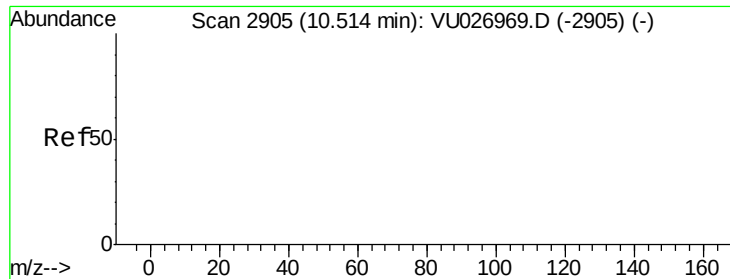
120 47.4 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027093.D (-2893) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.839 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

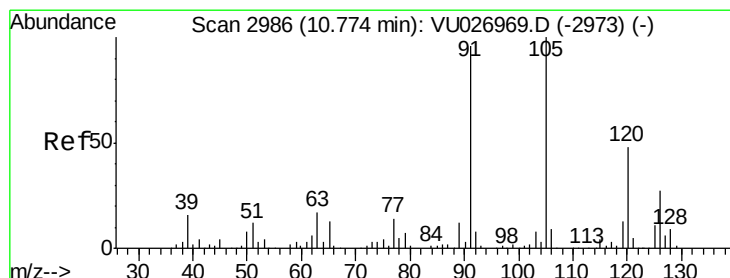
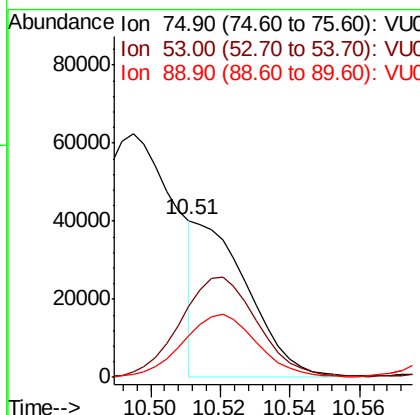
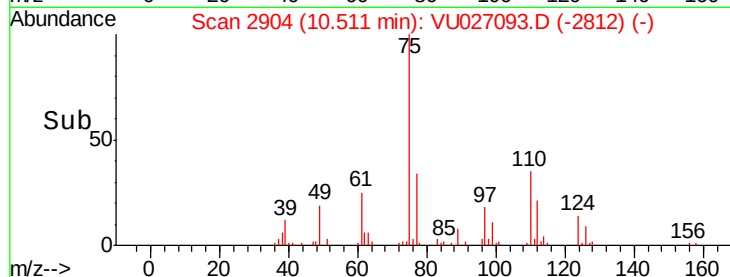
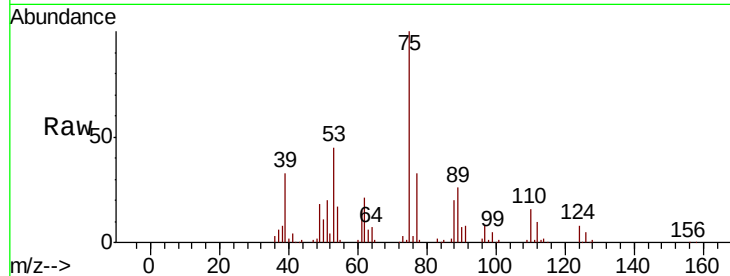
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 41872

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.297 ug/l

RT: 10.77 min Scan# 2985

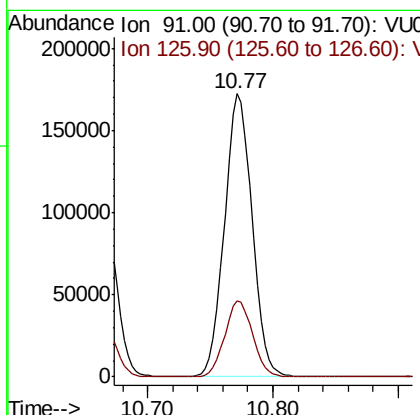
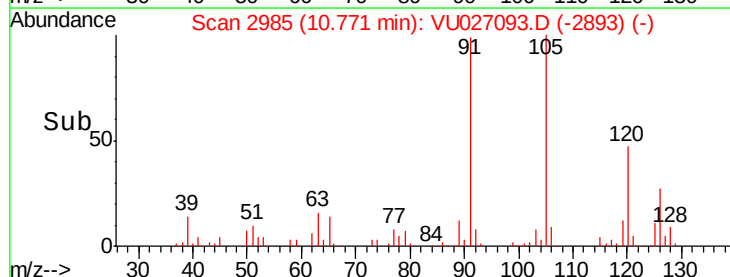
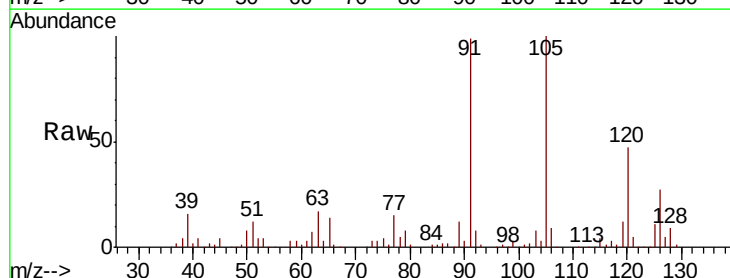
Delta R.T. -0.00 min

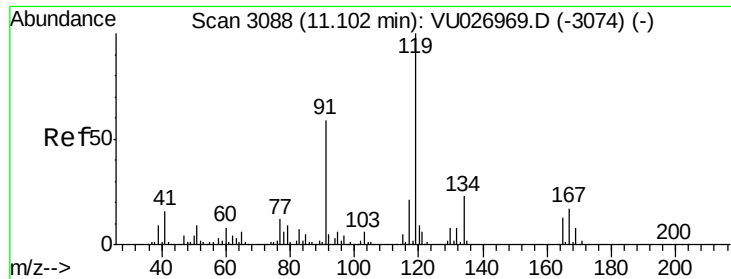
Lab File: VU027093.D

Acq: 24 Sep 2018 08:51

Tgt Ion: 91 Resp: 262487

Ion	Ratio	Lower	Upper
91	100		
126	27.2	14.1	42.2





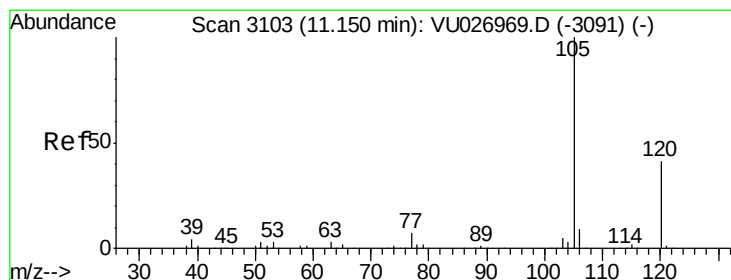
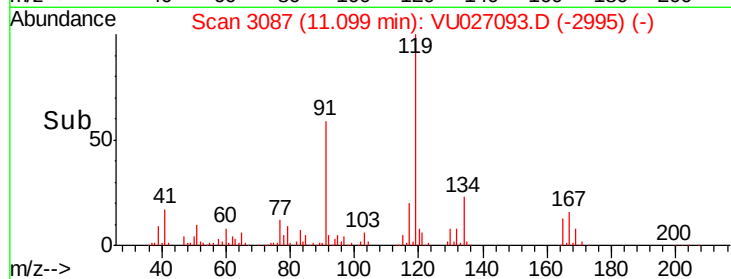
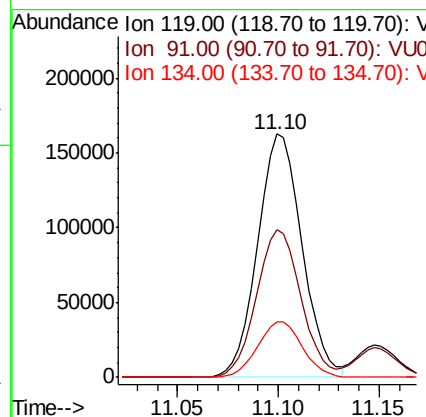
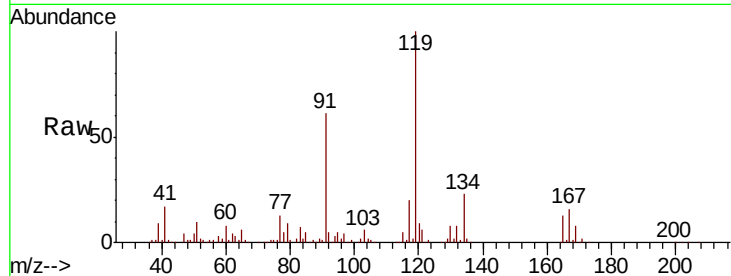
#83
tert-Butylbenzene
Concen: 52.988 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	250859		
91	60.7		29.8	89.4
134	23.0		11.5	34.4

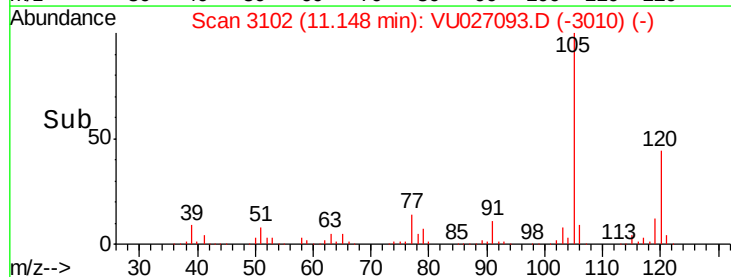
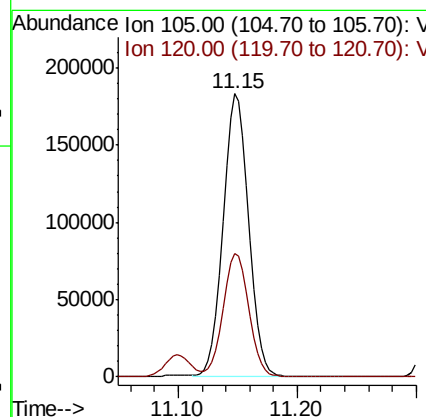
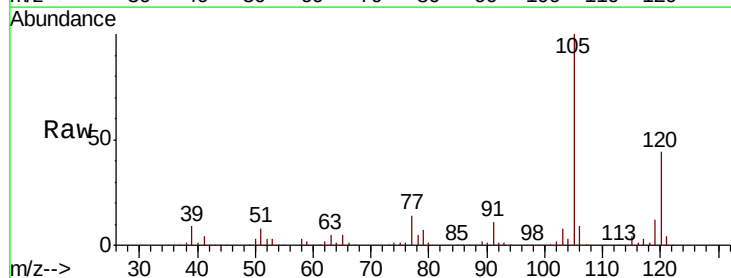
Manual Integrations
APPROVED

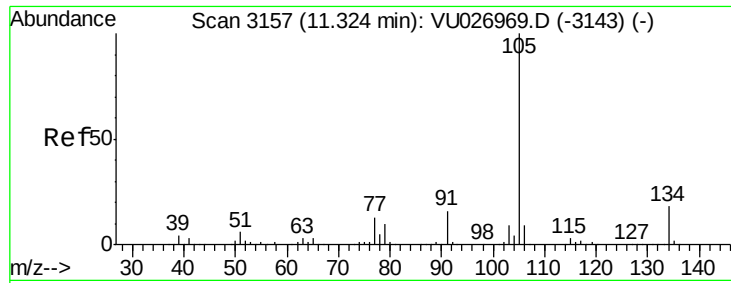
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 55.780 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	271830		
120	44.0		22.4	67.2





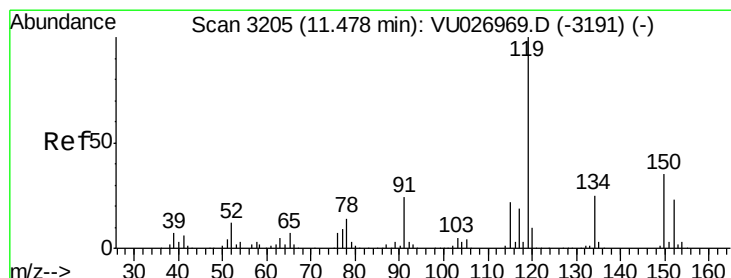
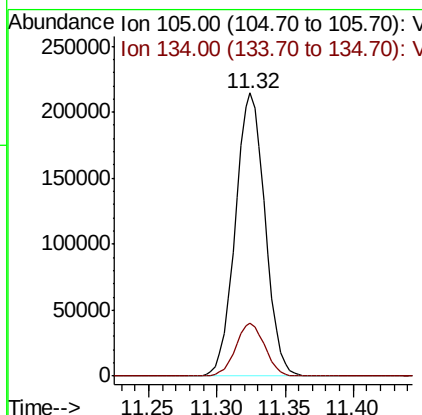
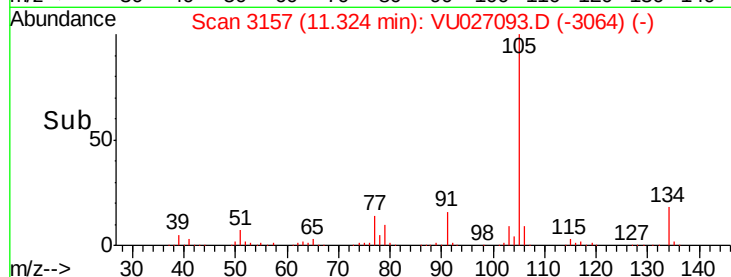
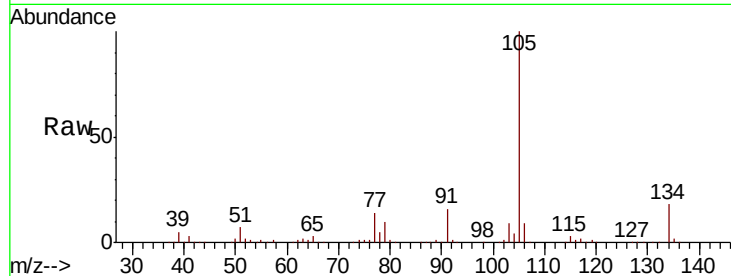
#85
 sec-Butylbenzene
 Concen: 55.943 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	9.4	28.2

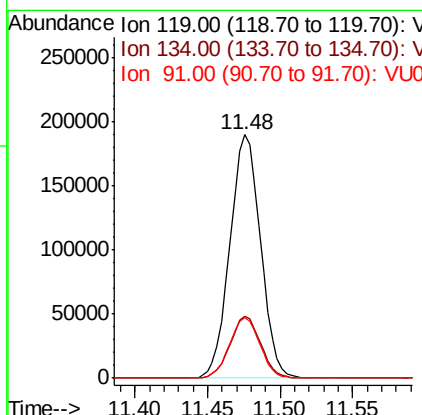
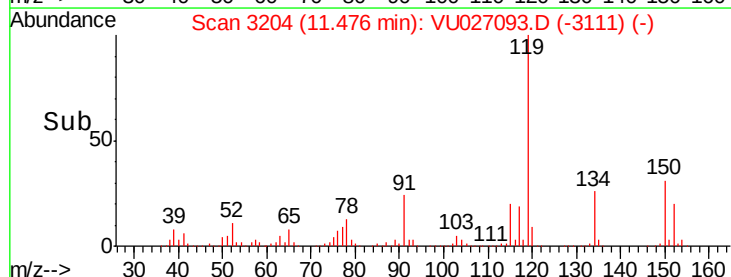
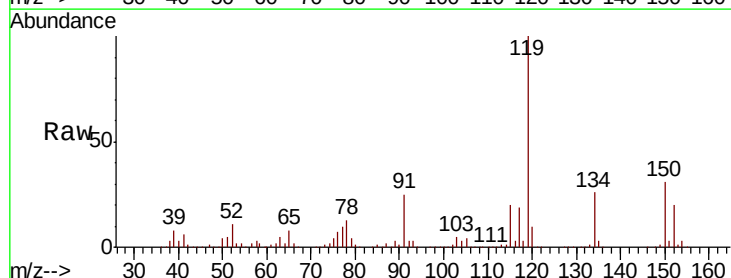
Manual Integrations
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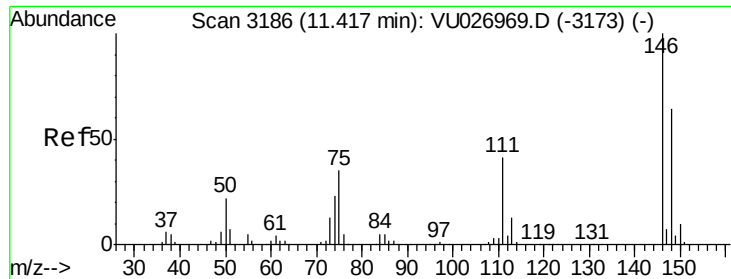
MMDadoda
 9/25/2018 11:34:12 AM



#86
 p-Isopropyltoluene
 Concen: 51.080 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.3
91	24.8	12.3	36.8





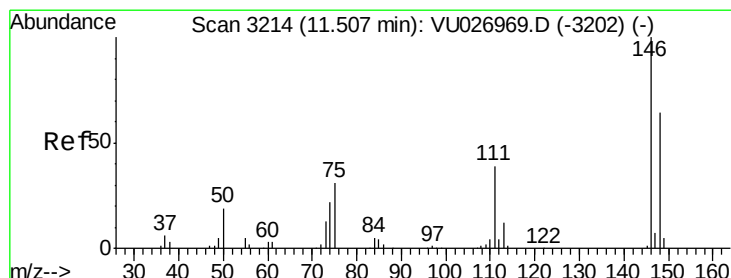
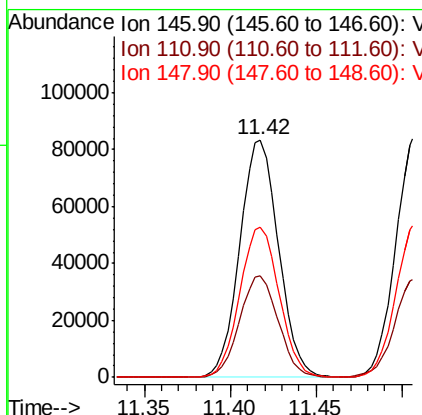
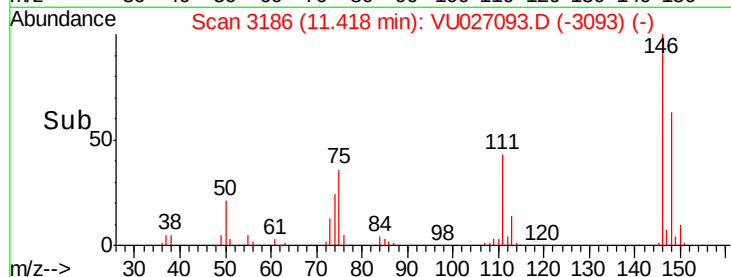
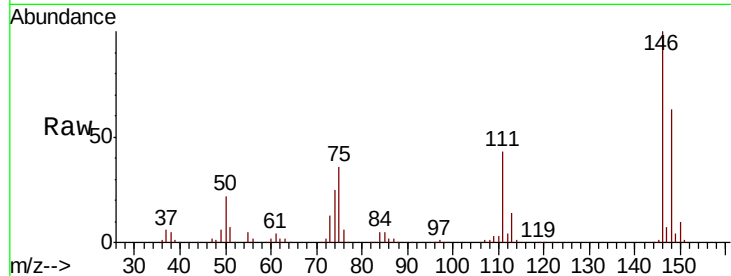
#87
 1,3-Dichlorobenzene
 Concen: 49.660 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.8	62.2
148	64.2	32.0	96.2

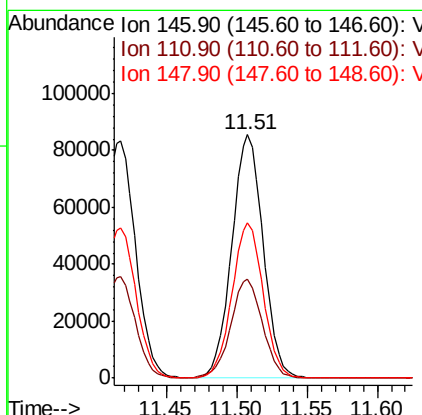
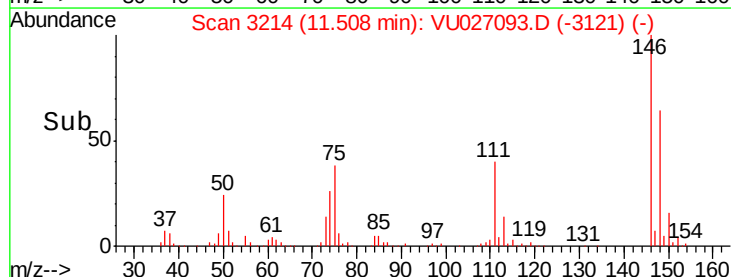
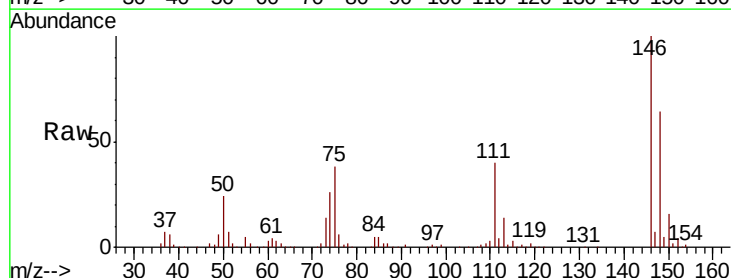
Manual Integrations
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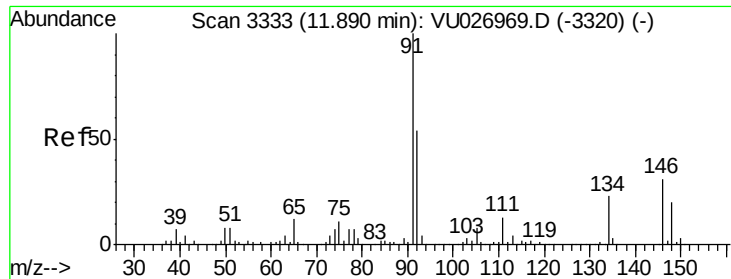
MMDadoda
 9/25/2018 11:34:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.230 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	63.7	31.9	95.9





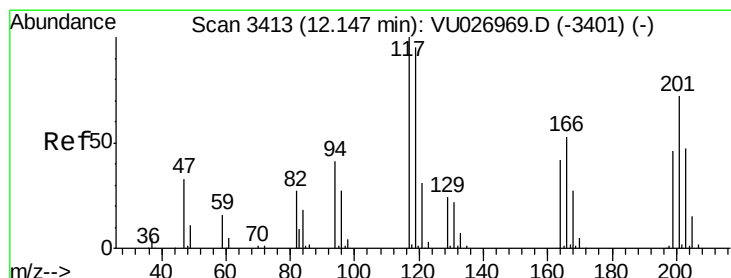
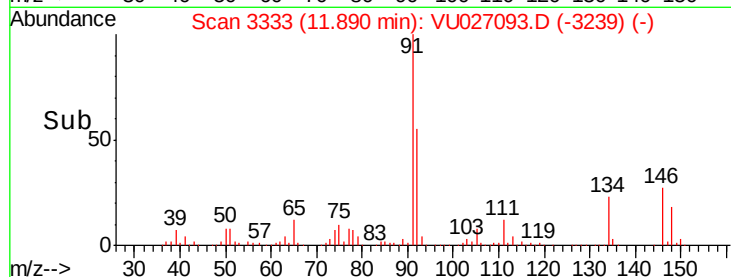
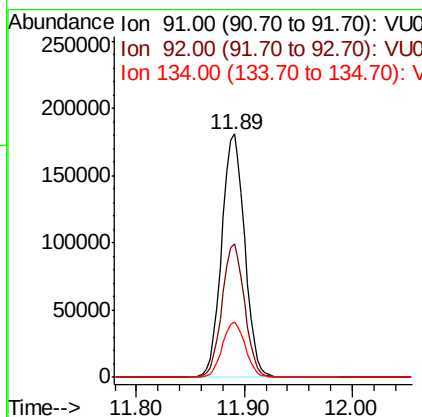
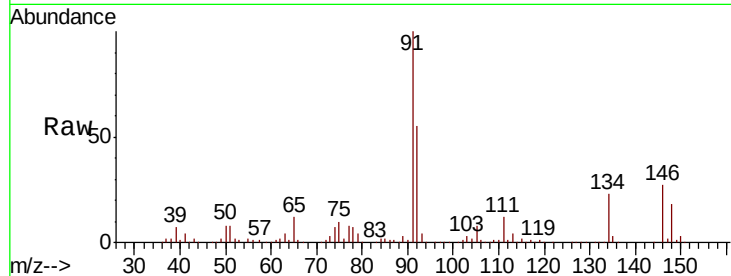
#89
n-Butylbenzene
Concen: 50.948 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.1	81.2
134	22.8	11.7	35.0

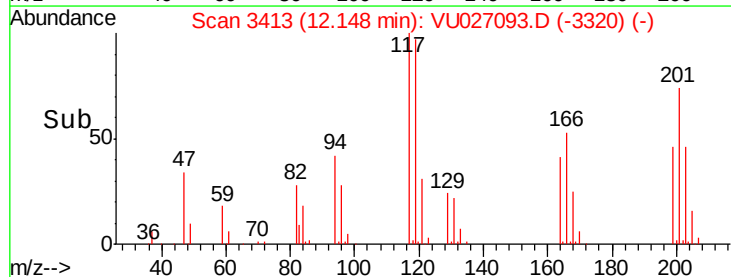
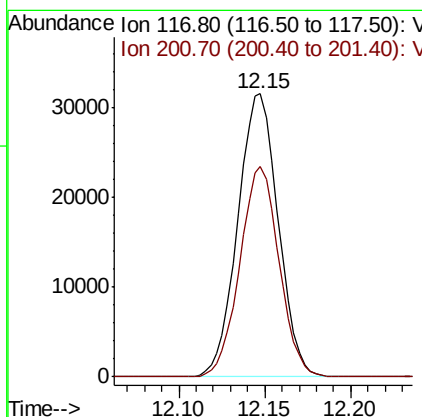
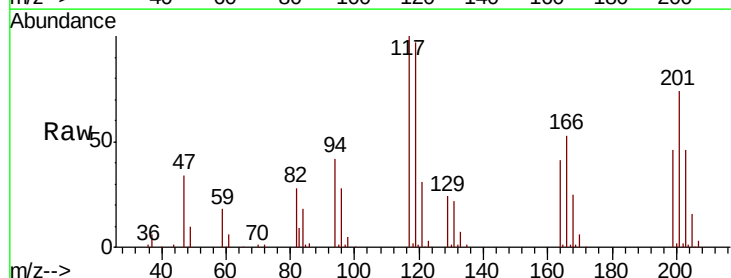
Manual Integrations
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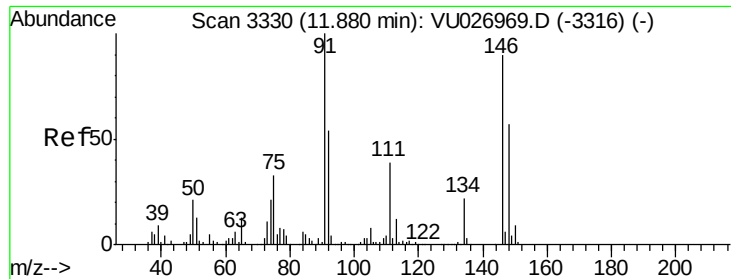
MMDadoda
9/25/2018 11:34:12 AM



#90
Hexachloroethane
Concen: 48.931 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.2	36.8	110.3





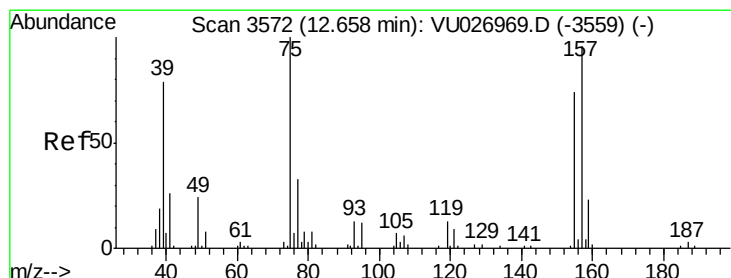
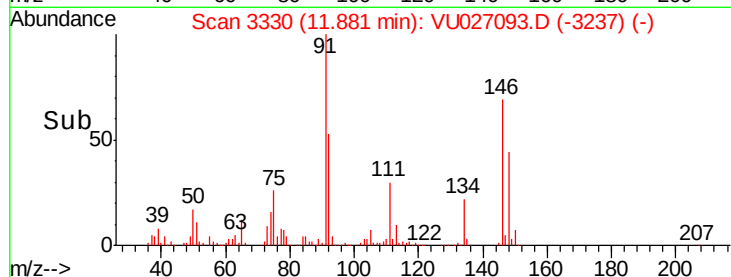
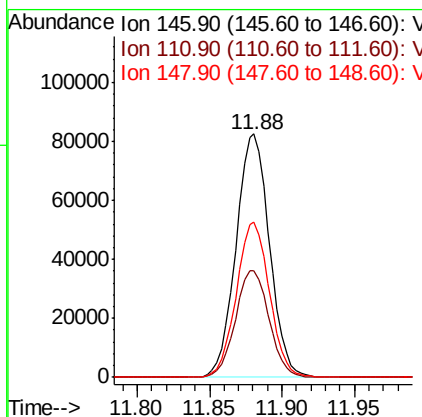
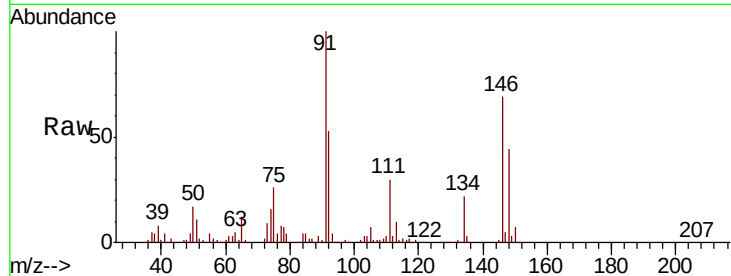
#91
 1,2-Dichlorobenzene
 Concen: 47.124 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	63.2	31.9	95.7

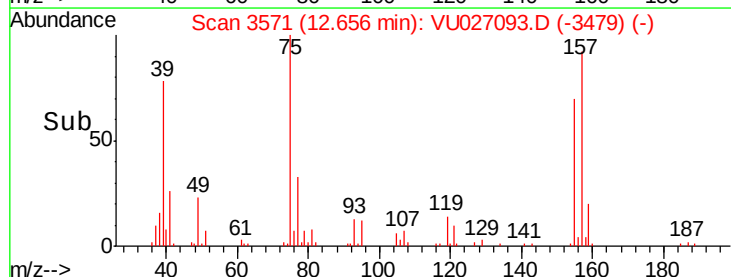
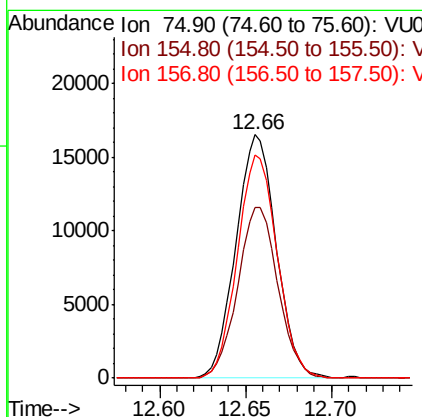
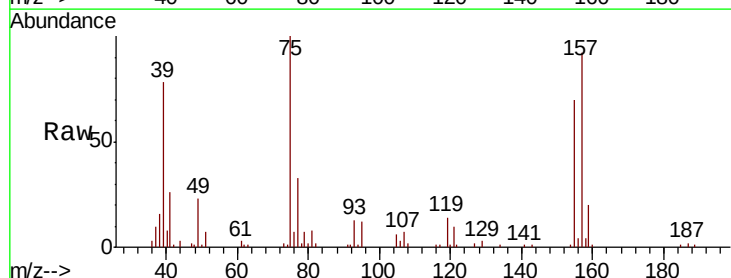
Manual Integrations
 APPROVED

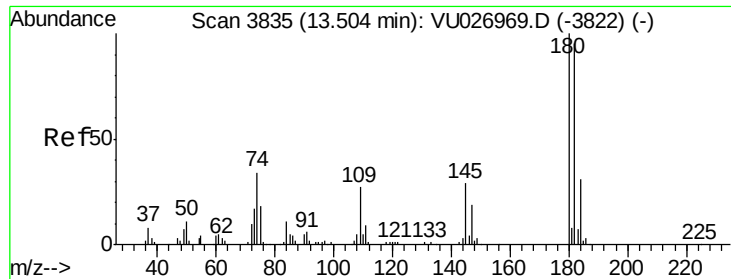
MMDadoda
 9/25/2018 11:34:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.393 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	36.6	109.8
157	90.6	47.4	142.2





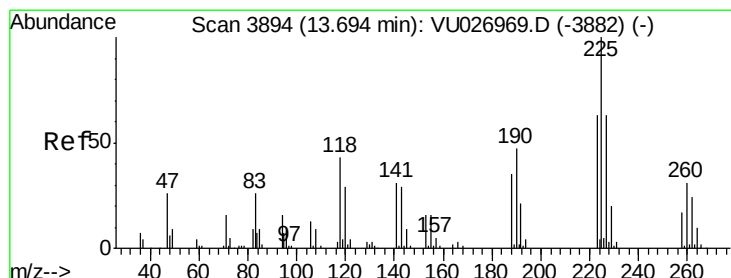
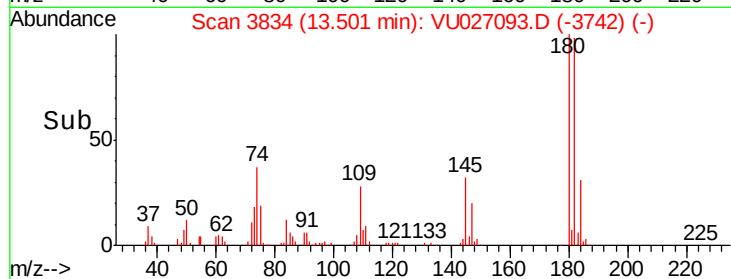
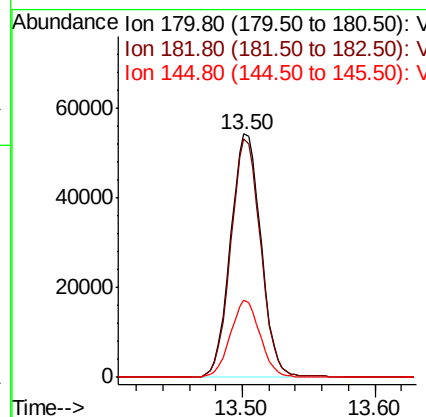
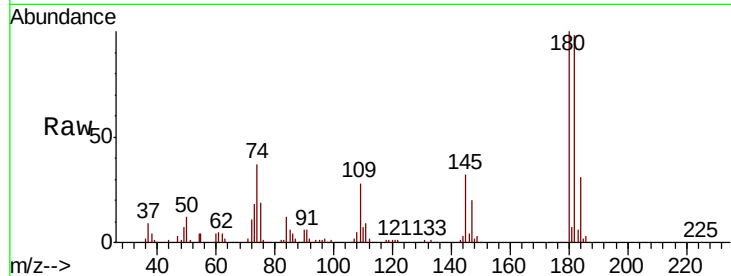
#93
 1,2,4-Trichlorobenzene
 Concen: 53.629 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.4	142.2	
145	31.1	14.9	44.5	

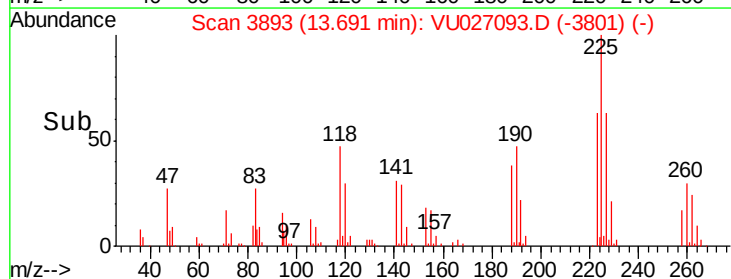
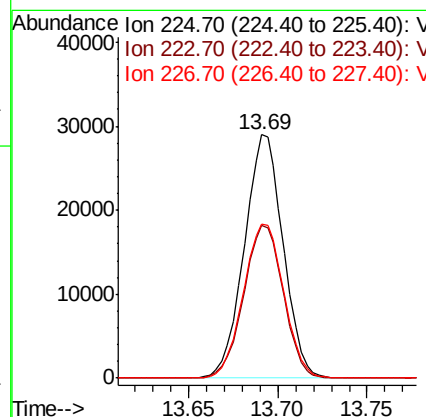
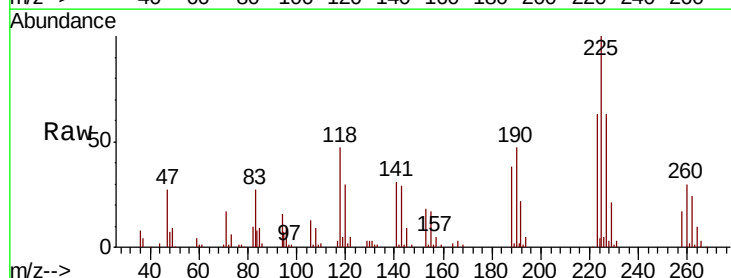
Manual Integrations
 APPROVED

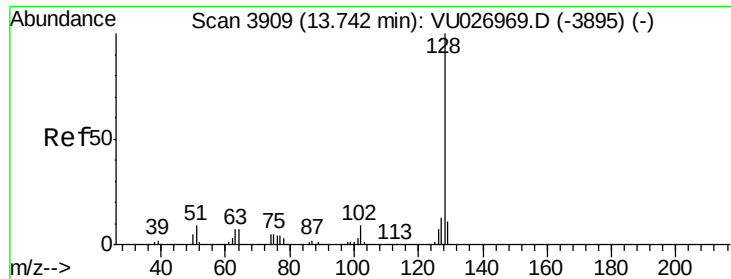
MMDadoda
 9/25/2018 11:34:12 AM



#94
 Hexachlorobutadiene
 Concen: 51.567 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027093.D
 Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	31.9	95.7	
227	65.9	32.1	96.5	





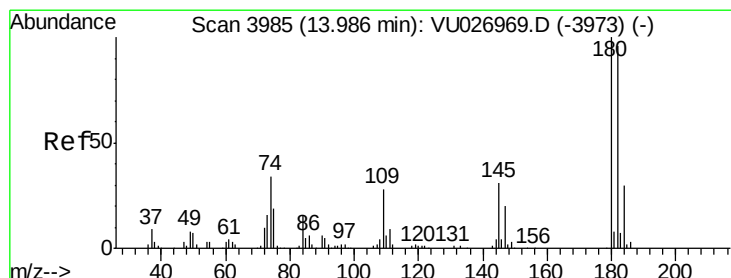
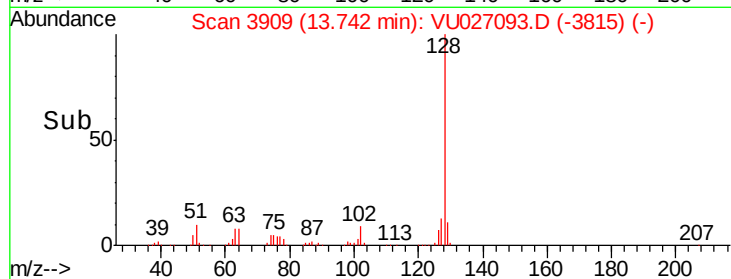
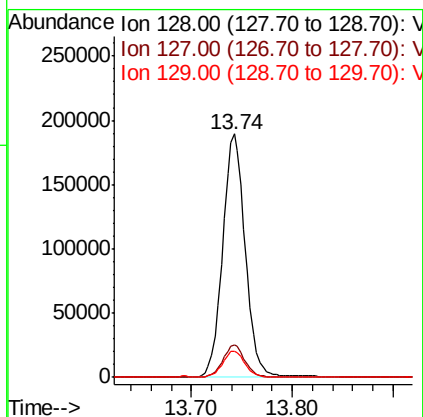
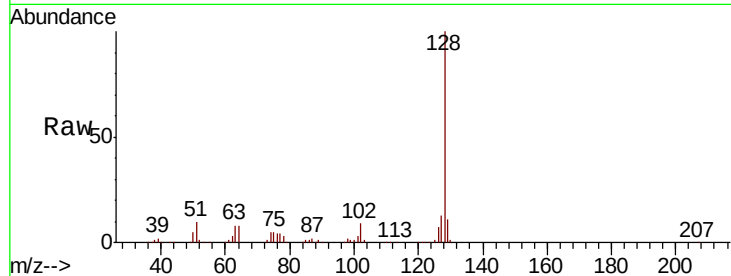
#95
Naphthalene
Concen: 47.188 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2018 11:34:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.409 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027093.D
Acq: 24 Sep 2018 08:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	31.5	15.4	46.4

