

Data File : VV014611.D
Acq On : 19 Feb 2020 16:59
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV706

Quant Time: Feb 20 02:50:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 20 02:48:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	248707	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	231405	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	115884	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	45954	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.58	69	35631	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.13	63	88046	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%
20) 2-Butanone-d5	3.95	46	107177	55.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.50%
24) Chloroform-d	4.40	84	120666	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.08	65	72132	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.09	84	308160	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.11	67	85273	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.35	98	301002	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	7.66	79	38374	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	8.13	63	133939	55.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.32%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	65849	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
66) 1,2-Dichlorobenzene-d4	11.67	152	108353	5.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	122421	5.103 ug/L	98
3) Chloromethane	1.25	50	51502	5.047 ug/L	100
5) Vinyl chloride	1.32	62	55355	5.173 ug/L	97
6) Bromomethane	1.53	94	34409	5.410 ug/L	97
8) Chloroethane	1.60	64	27896	4.991 ug/L	94
9) Trichlorofluoromethane	1.77	101	113462	5.235 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	47452	5.202 ug/L	98
12) 1,1-Dichloroethene	2.14	96	42518	5.219 ug/L	89
13) Acetone	2.21	43	60293	53.883 ug/L	91
14) Carbon disulfide	2.32	76	234467	5.147 ug/L	99
15) Methyl Acetate	2.47	43	16723	4.146 ug/L	93
16) Methylene chloride	2.53	84	79270	4.658 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	182104	5.222 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	86114	5.092 ug/L	96
19) 1,1-Dichloroethane	3.23	63	142529	5.147 ug/L	99
21) 2-Butanone	4.03	43	105527	51.301 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	91999	5.123 ug/L	96

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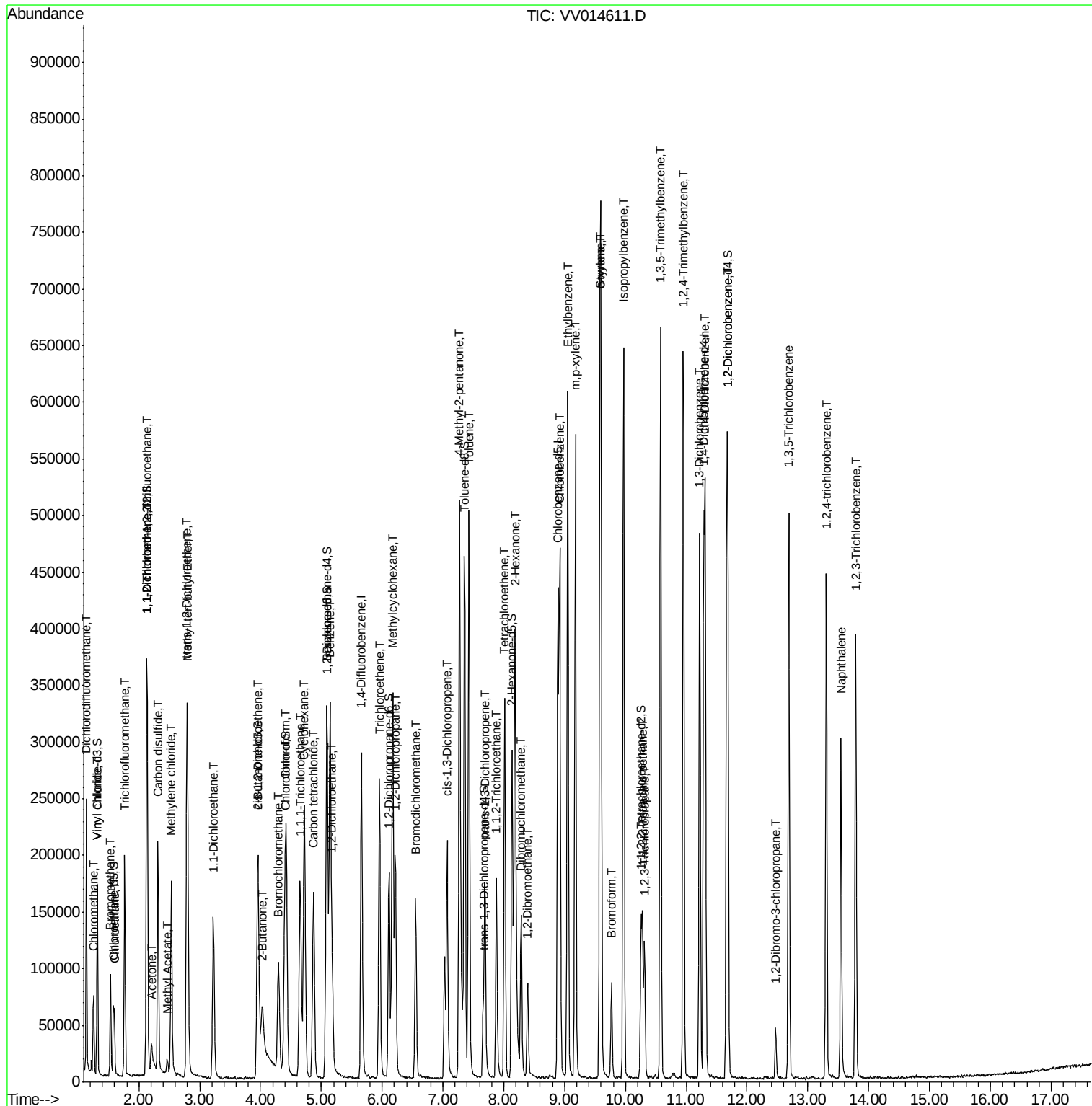
Quant Time: Feb 20 02:50:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR021920WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 20 02:48:04 2020
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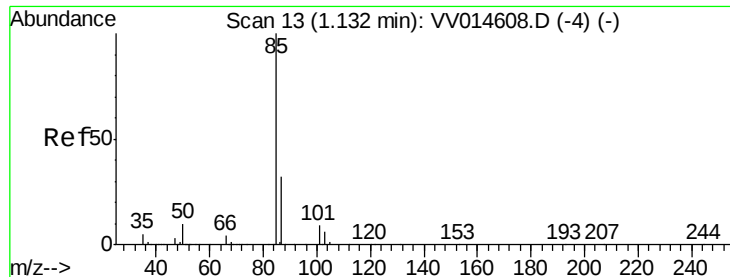
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	36831	4.926	ug/L	92
25) Chloroform	4.42	83	193442	4.926	ug/L	100
27) 1,2-Dichloroethane	5.18	62	88739	5.351	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	145604	5.156	ug/L	98
30) Cyclohexane	4.72	56	133049	5.058	ug/L	98
31) Carbon tetrachloride	4.87	117	128108	5.231	ug/L	99
33) Benzene	5.14	78	335227	5.231	ug/L	100
34) Trichloroethene	5.95	95	91718	5.033	ug/L	96
35) Methylcyclohexane	6.17	83	154915	5.115	ug/L	100
37) 1,2-Dichloropropane	6.22	63	72756	4.898	ug/L	99
38) Bromodichloromethane	6.55	83	108804	5.126	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	127380	5.333	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	400098	55.486	ug/L	99
42) Toluene	7.43	91	369548	5.265	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	101569	5.334	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	58821	5.285	ug/L	96
47) Tetrachloroethene	8.01	164	74995	5.215	ug/L	95
48) 2-Hexanone	8.18	43	290736	56.037	ug/L	99
49) Dibromochloromethane	8.29	129	72392	5.024	ug/L	94
50) 1,2-Dibromoethane	8.39	107	57006	5.385	ug/L	92
51) Chlorobenzene	8.92	112	242169	5.230	ug/L	99
52) Ethylbenzene	9.05	91	424385	5.310	ug/L	99
53) m,p-xylene	9.18	106	164467	5.378	ug/L	99
54) o-xylene	9.58	106	156608	5.333	ug/L	99
55) Styrene	9.60	104	260387	5.368	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.28	83	66331	5.238	ug/L #	97
59) Bromoform	9.77	173	38805	5.293	ug/L	96
60) Isopropylbenzene	9.97	105	423619	5.289	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	49131	5.365	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	361169	5.404	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	354867	5.412	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	193250	5.146	ug/L	97
65) 1,4-Dichlorobenzene	11.31	146	194602	5.276	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	176043	5.340	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.47	75	11491	5.312	ug/L	96
69) 1,3,5-Trichlorobenzene	12.68	180	151685	5.479	ug/L	98
70) 1,2,4-trichlorobenzene	13.30	180	131264	5.660	ug/L	98
71) Naphthalene	13.54	128	235430	6.005	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	115952	5.708	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.103 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

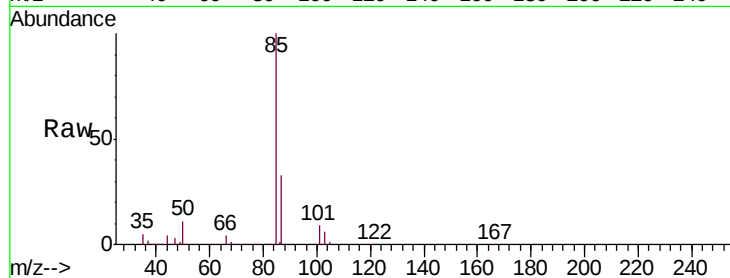
VICV706

Tgt Ion: 85 Resp: 122421

Ion Ratio Lower Upper

85 100

87 33.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV014611.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV014611.D (-1) (-)

1.14

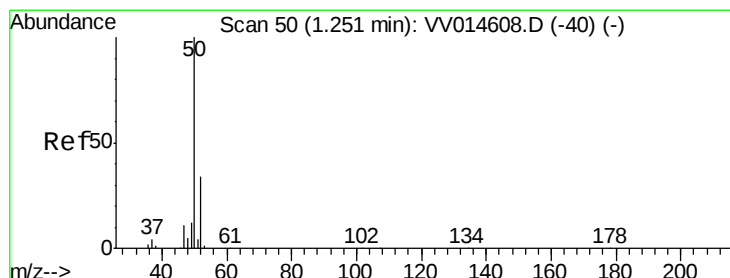
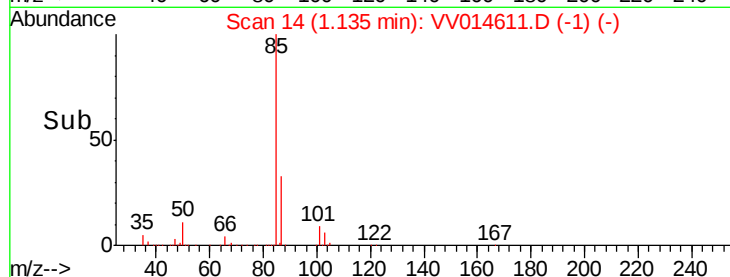
150000

100000

50000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 5.047 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014611.D

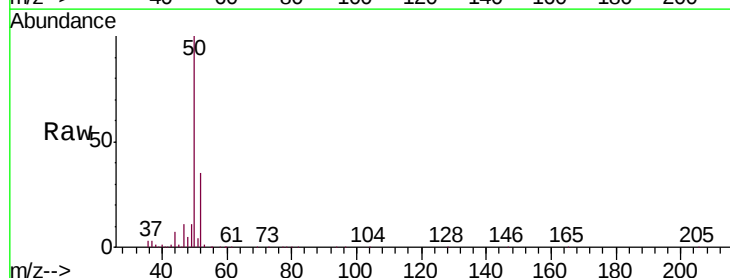
Acq: 19 Feb 2020 16:59

Tgt Ion: 50 Resp: 51502

Ion Ratio Lower Upper

50 100

52 34.7 24.2 45.0



Abundance Ion 50.05 (49.75 to 50.75): VV014611.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV014611.D (-1) (-)

1.25

40000

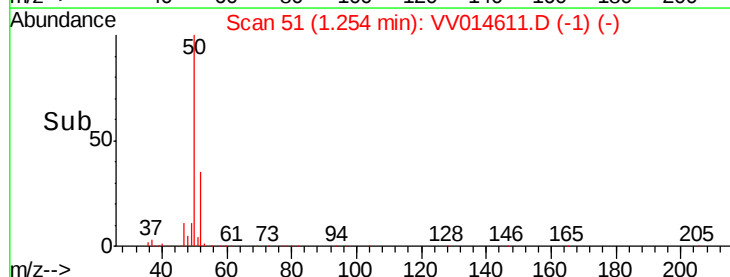
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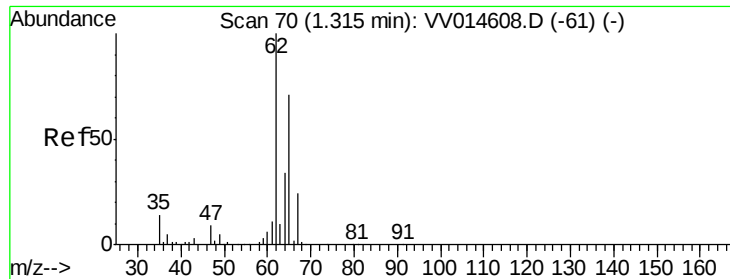
20000

10000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 5.173 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

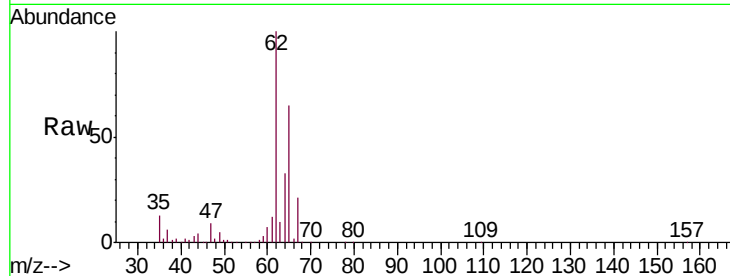
VICV706

Tgt Ion: 62 Resp: 55355

Ion Ratio Lower Upper

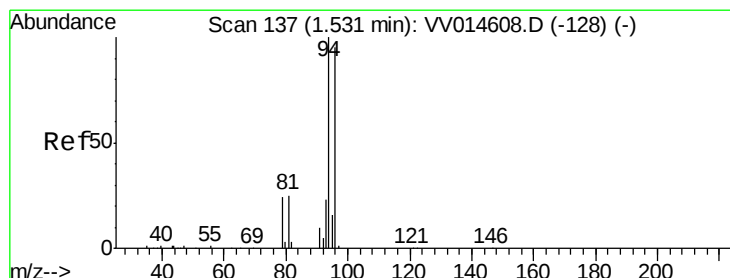
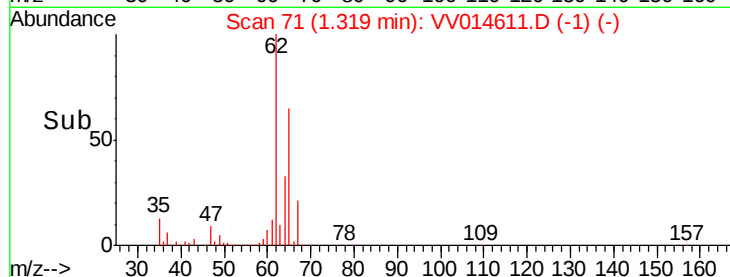
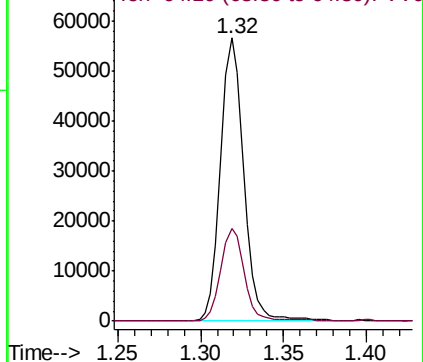
62 100

64 32.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.410 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014611.D

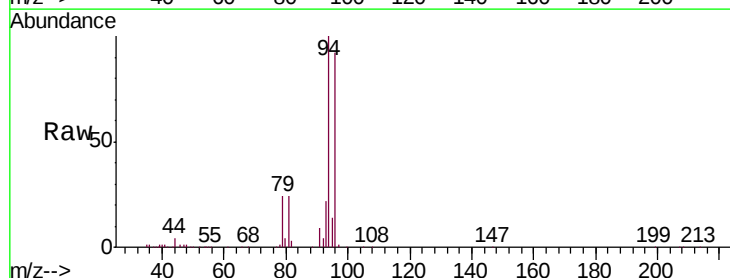
Acq: 19 Feb 2020 16:59

Tgt Ion: 94 Resp: 34409

Ion Ratio Lower Upper

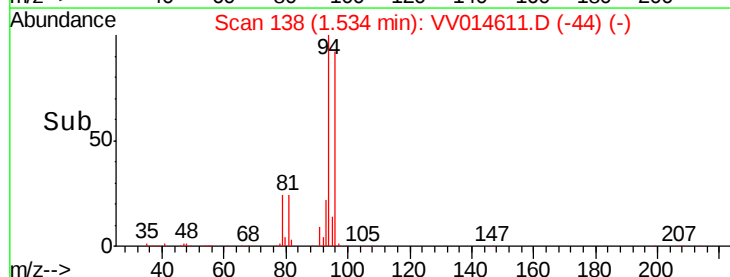
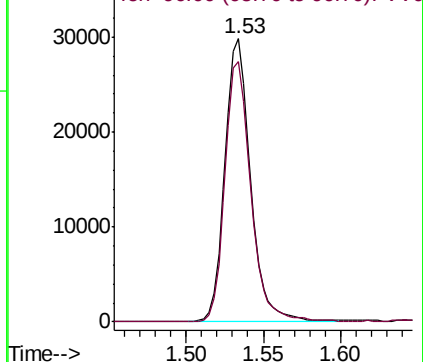
94 100

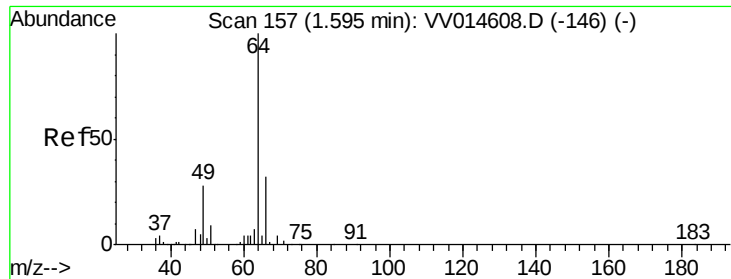
96 92.2 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

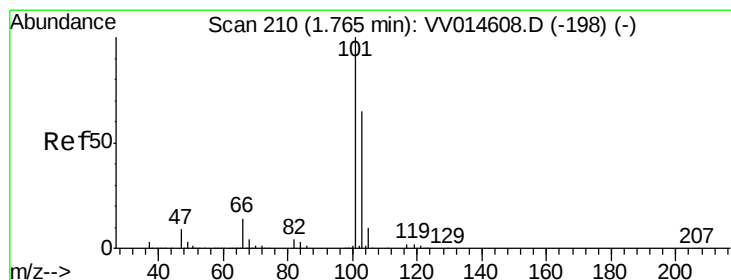
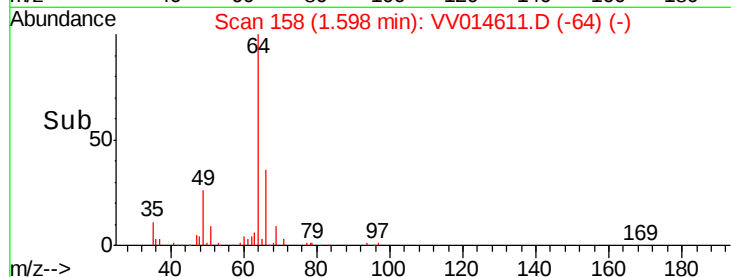
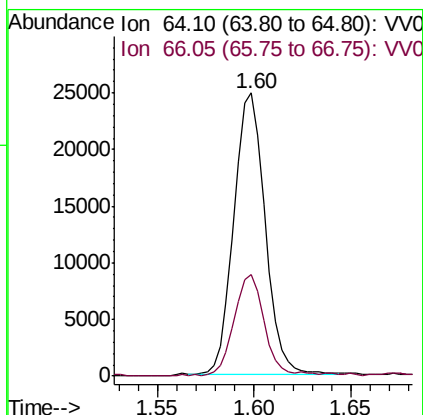
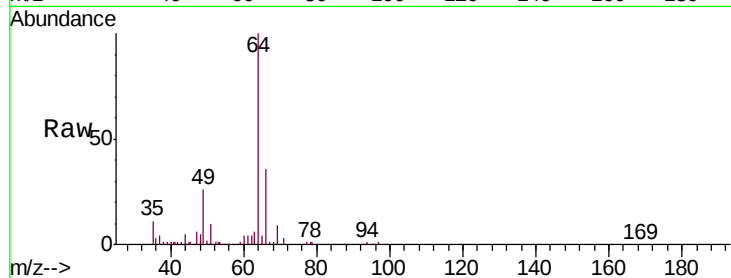




#8
Chloroethane
Concen: 4.991 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

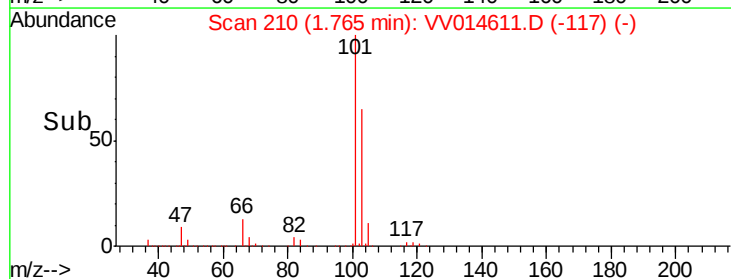
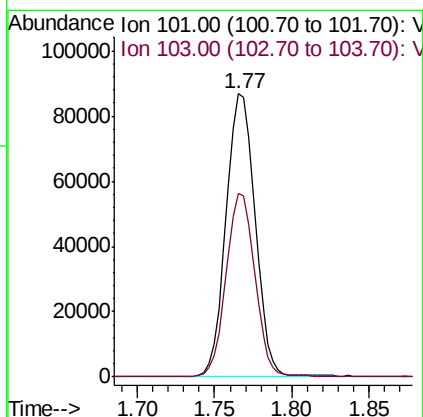
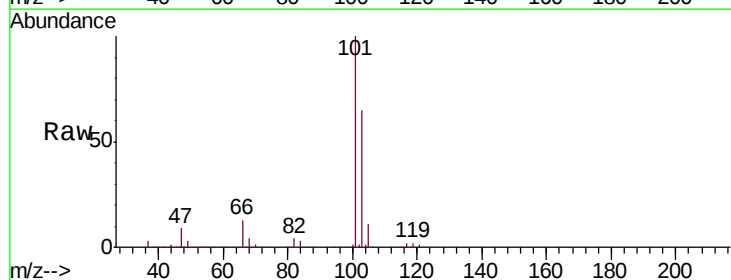
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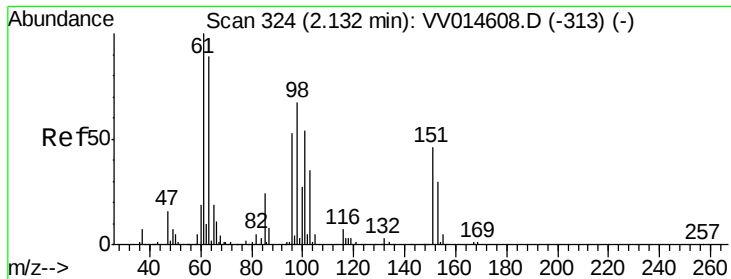
Tgt Ion: 64 Resp: 27896
Ion Ratio Lower Upper
64 100
66 35.9 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.235 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

Tgt Ion: 101 Resp: 113462
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.202 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VICV706

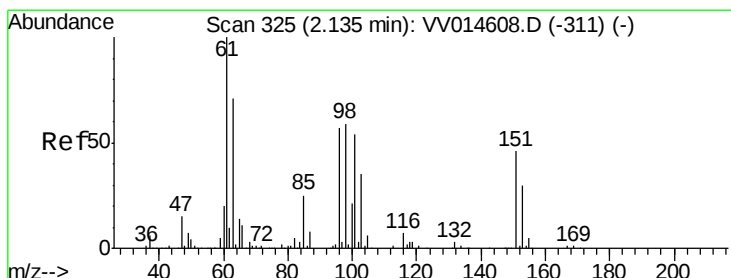
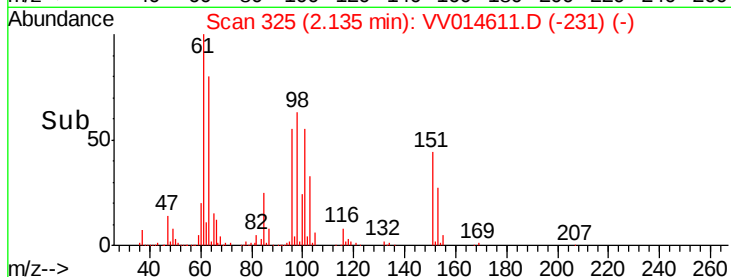
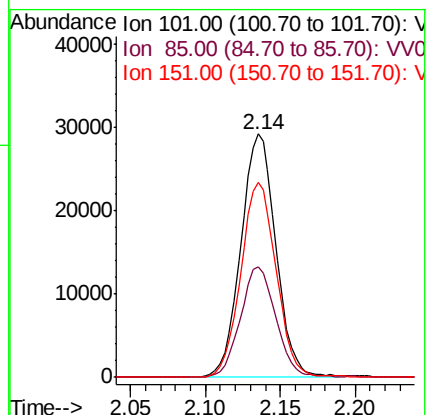
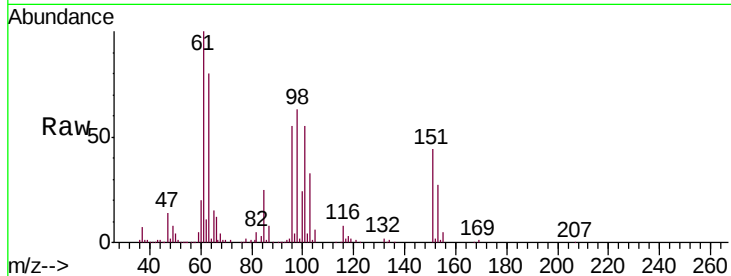
Tgt Ion:101 Resp: 47452

Ion Ratio Lower Upper

101 100

85 46.2 37.3 55.9

151 80.8 66.3 99.5



#12

1,1-Dichloroethene

Concen: 5.219 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

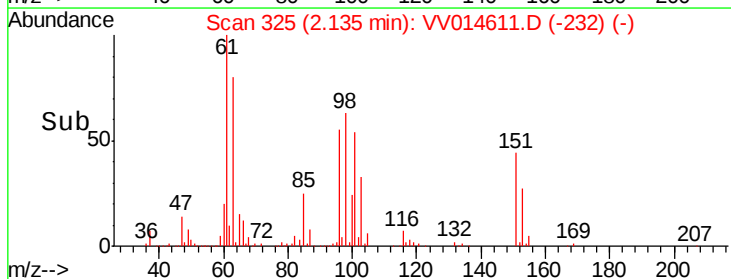
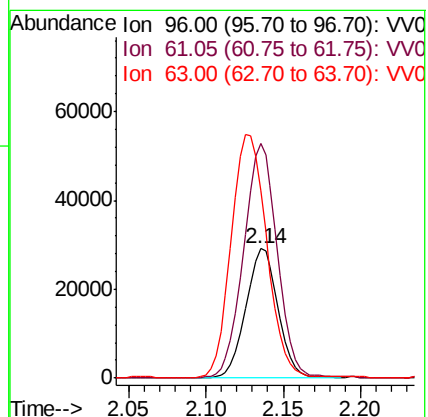
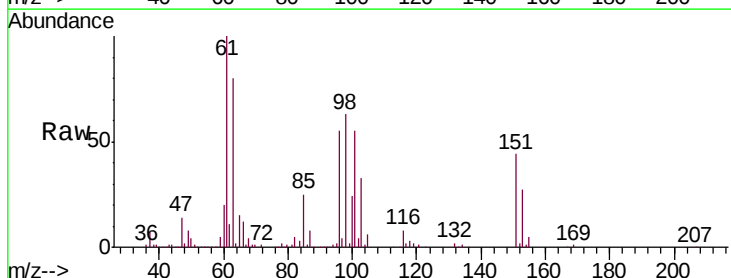
Tgt Ion: 96 Resp: 42518

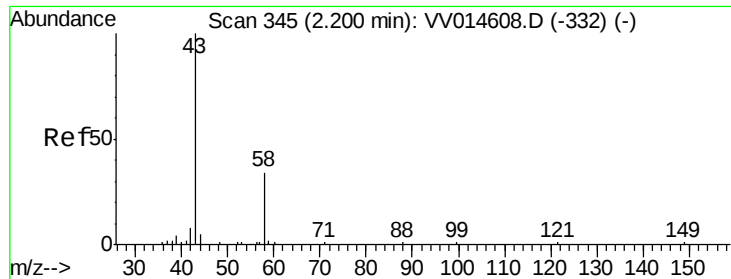
Ion Ratio Lower Upper

96 100

61 181.8 122.4 227.2

63 145.4 86.9 161.5





#13

Acetone

Concen: 53.883 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

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ClientSampleId :

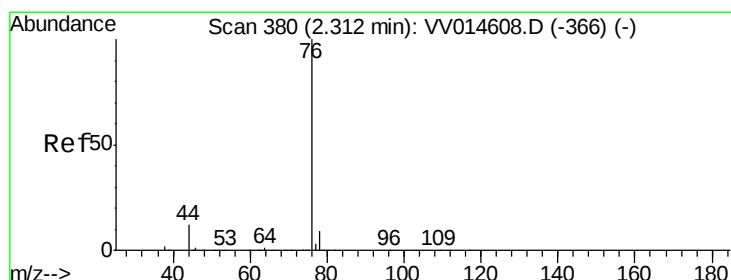
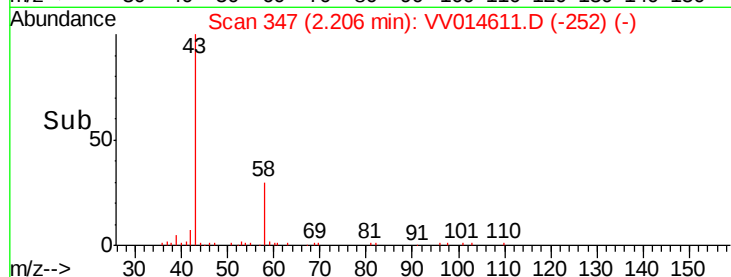
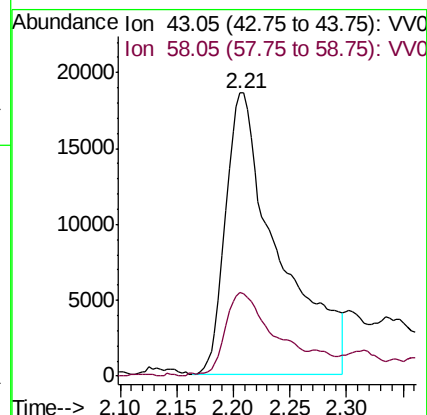
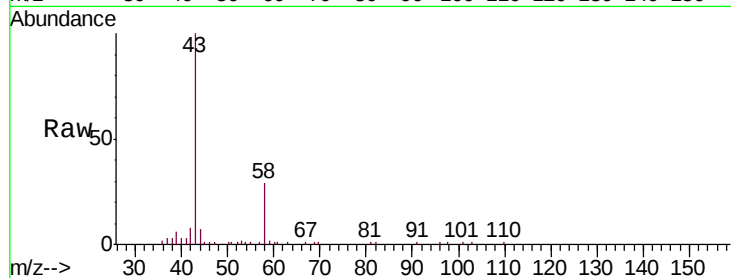
VICV706

Tgt Ion: 43 Resp: 60293

Ion Ratio Lower Upper

43 100

58 25.8 0.0 61.8



#14

Carbon disulfide

Concen: 5.147 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014611.D

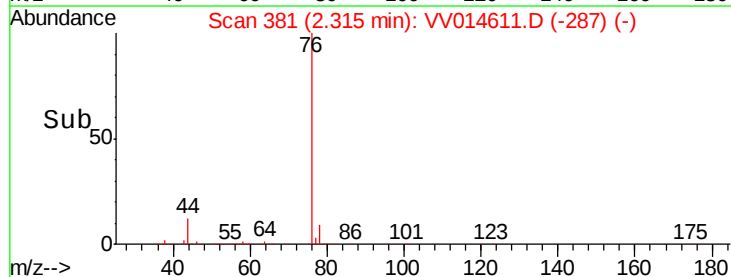
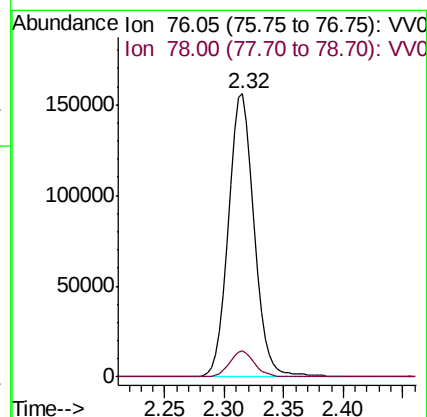
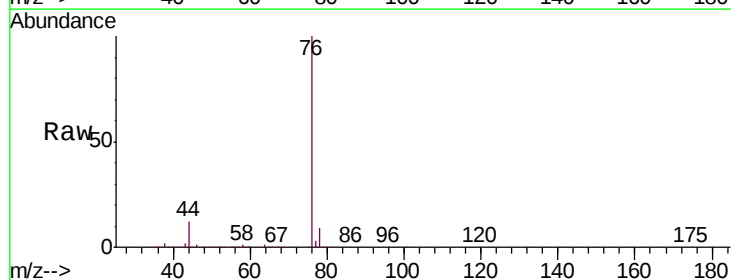
Acq: 19 Feb 2020 16:59

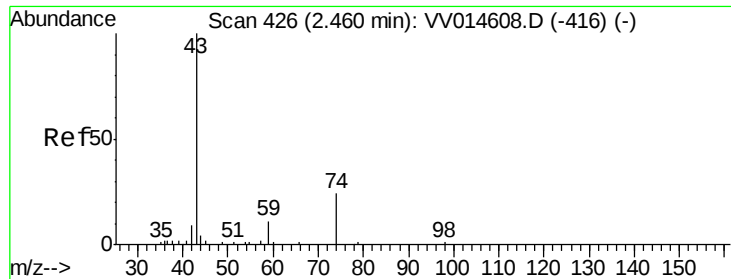
Tgt Ion: 76 Resp: 234467

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

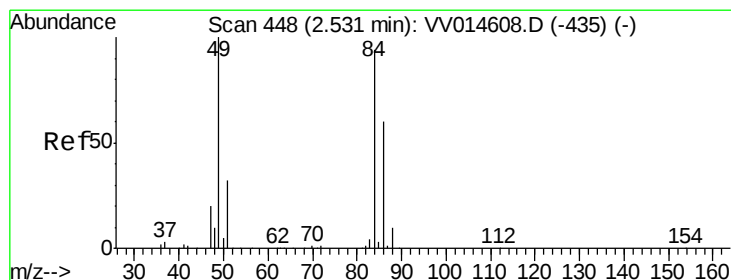
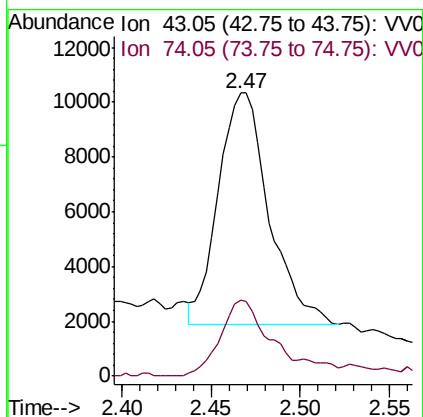
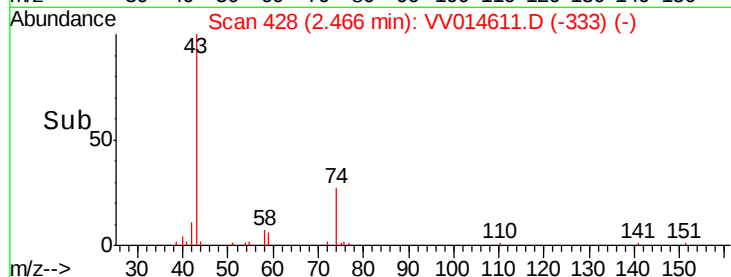
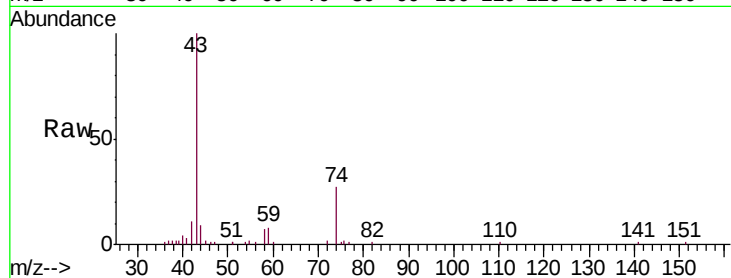




#15
Methyl Acetate
Concen: 4.146 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

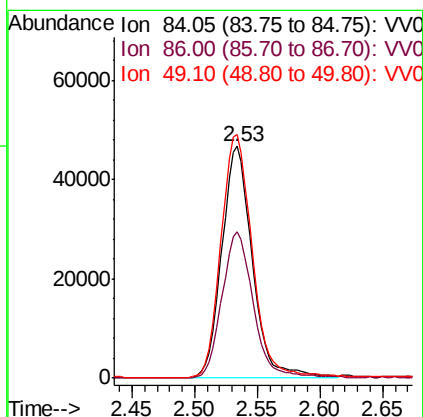
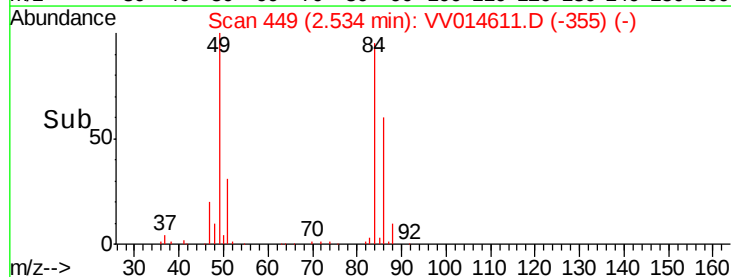
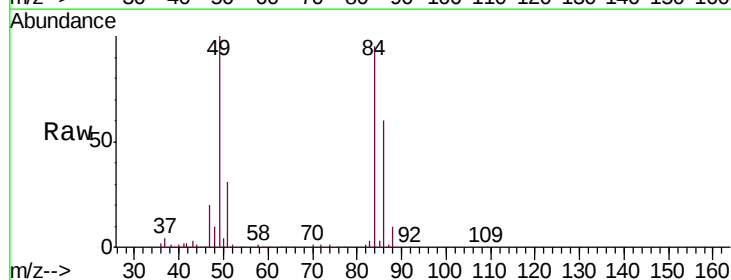
Instrument :
MSVOA_V
ClientSampleId :
VICV706

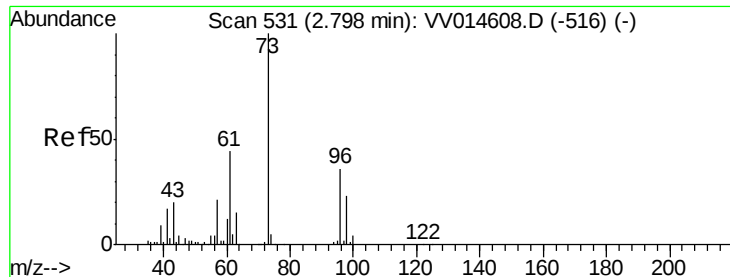
Tgt Ion: 43 Resp: 16723
Ion Ratio Lower Upper
43 100
74 35.0 25.0 37.6



#16
Methylene chloride
Concen: 4.658 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

Tgt Ion: 84 Resp: 79270
Ion Ratio Lower Upper
84 100
86 63.3 44.8 83.2
49 105.0 74.8 139.0





#17

Methyl tert-butyl Ether

Concen: 5.222 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.01 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampled :

VICV706

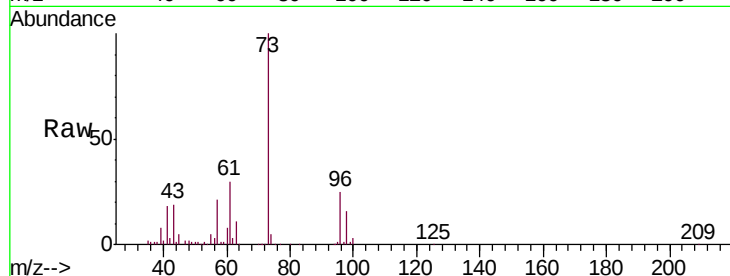
Tgt Ion: 73 Resp: 182104

Ion Ratio Lower Upper

73 100

43 17.8 15.1 22.7

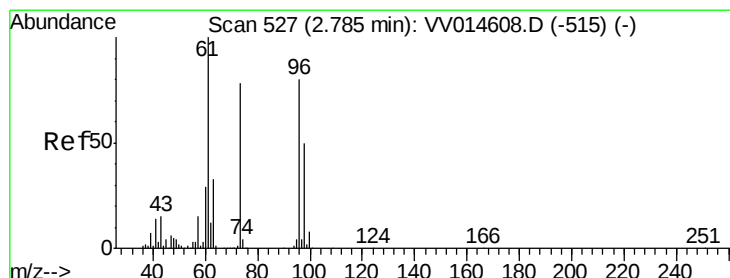
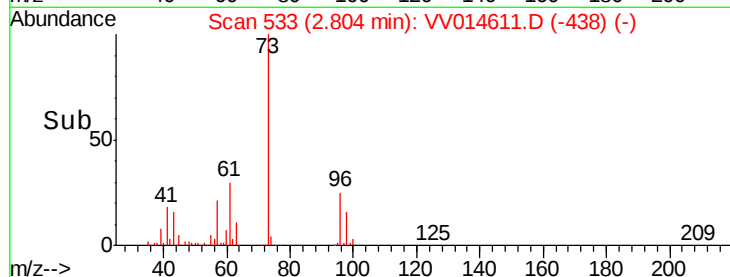
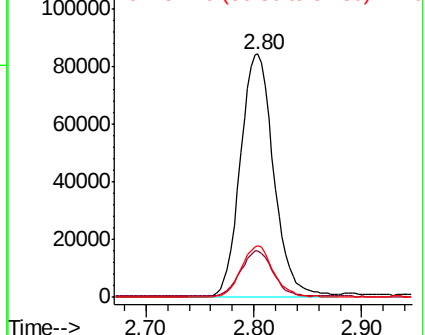
57 20.2 16.0 24.0



Abundance Ion 73.10 (72.80 to 73.80): VV014611.D (-438) (-)

Ion 43.05 (42.75 to 43.75): VV014611.D (-438) (-)

Ion 57.10 (56.80 to 57.80): VV014611.D (-438) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.092 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

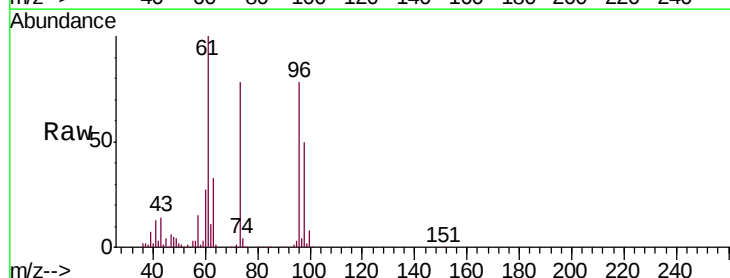
Tgt Ion: 96 Resp: 86114

Ion Ratio Lower Upper

96 100

61 128.7 87.2 162.0

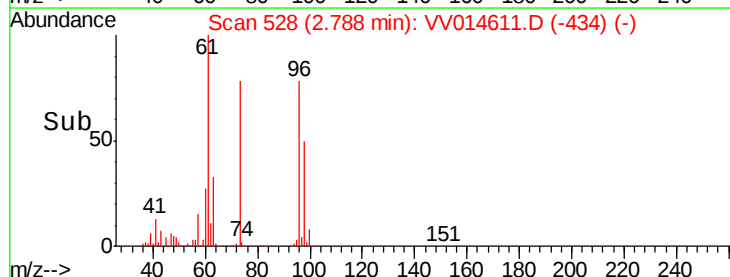
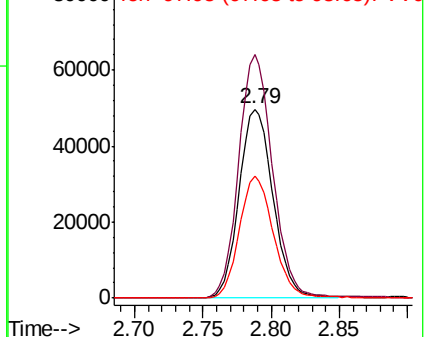
98 64.5 43.4 80.6

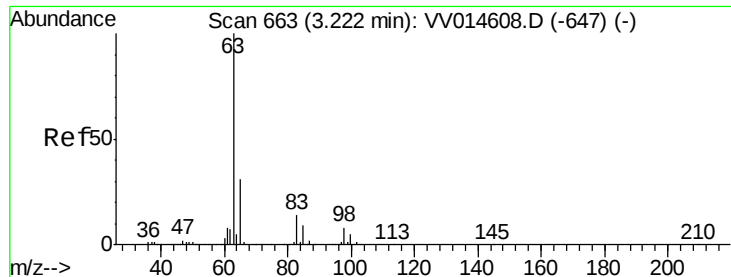


Abundance Ion 96.00 (95.70 to 96.70): VV014611.D (-434) (-)

Ion 61.05 (60.75 to 61.75): VV014611.D (-434) (-)

Ion 97.95 (97.65 to 98.65): VV014611.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 5.147 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VICV706

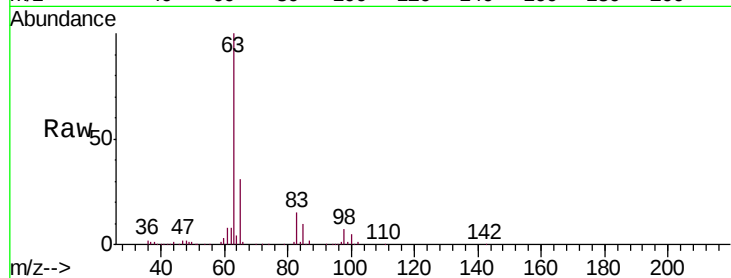
Tgt Ion: 63 Resp: 142529

Ion Ratio Lower Upper

63 100

65 31.1 21.4 39.8

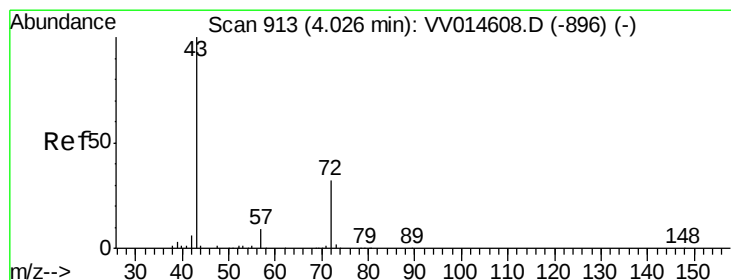
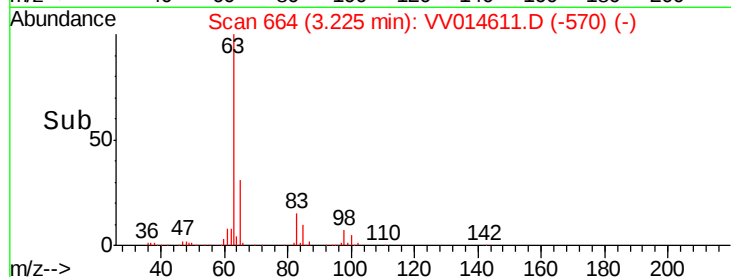
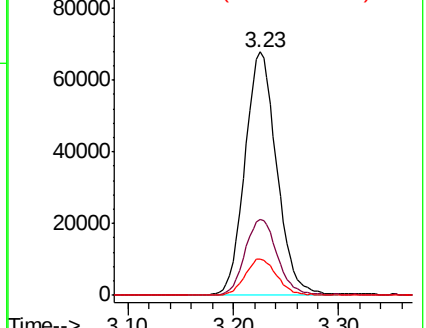
83 14.8 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV014611.D (-570) (-)

Ion 65.10 (64.80 to 65.80): VV014611.D (-570) (-)

Ion 83.05 (82.75 to 83.75): VV014611.D (-570) (-)



#21

2-Butanone

Concen: 51.301 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV014611.D

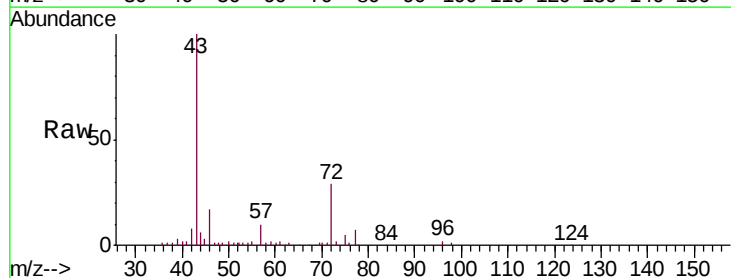
Acq: 19 Feb 2020 16:59

Tgt Ion: 43 Resp: 105527

Ion Ratio Lower Upper

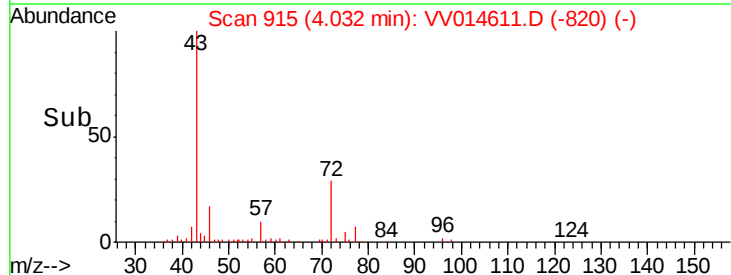
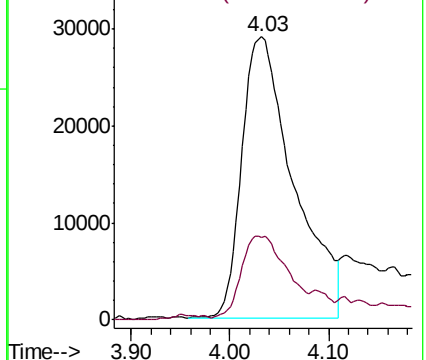
43 100

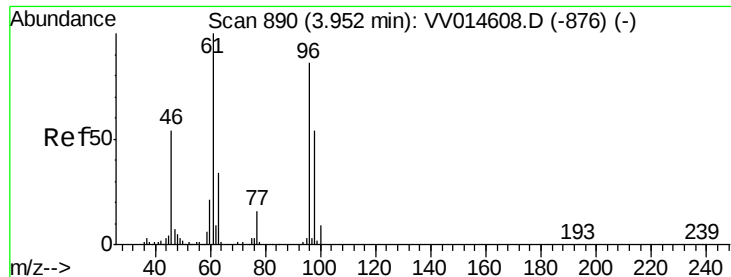
72 26.0 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VV014611.D (-820) (-)

Ion 72.10 (71.80 to 72.80): VV014611.D (-820) (-)



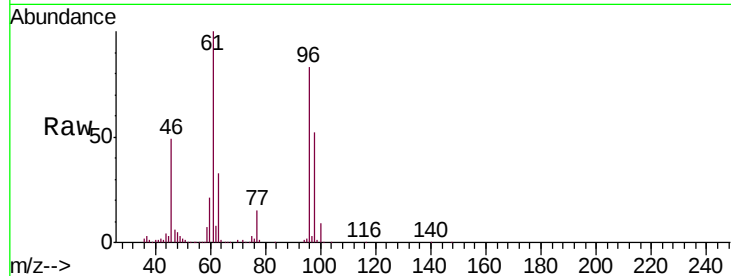


#22

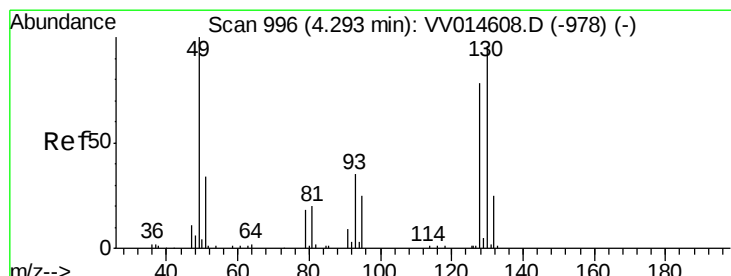
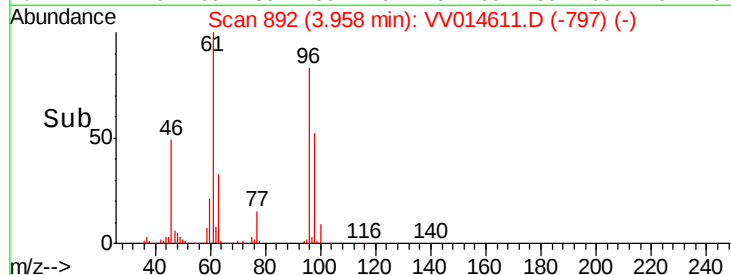
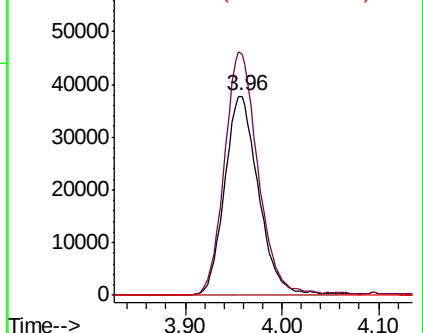
cis-1,2-Dichloroethene
 Concen: 5.123 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV706

Tgt Ion: 96 Resp: 91999
 Ion Ratio Lower Upper
 96 100
 61 120.9 81.5 151.5
 68 0.0 0.0 0.0



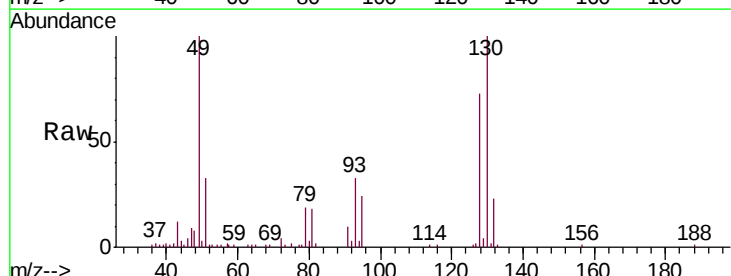
Abundance Ion 96.00 (95.70 to 96.70): VV014608.D (-876) (-)
 Ion 61.05 (60.75 to 61.75): VV014608.D (-876) (-)
 Ion 68.15 (67.85 to 68.85): VV014608.D (-876) (-)



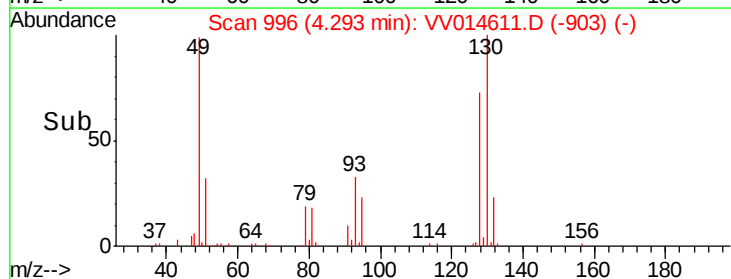
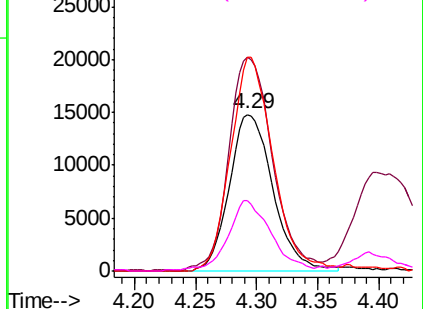
#23

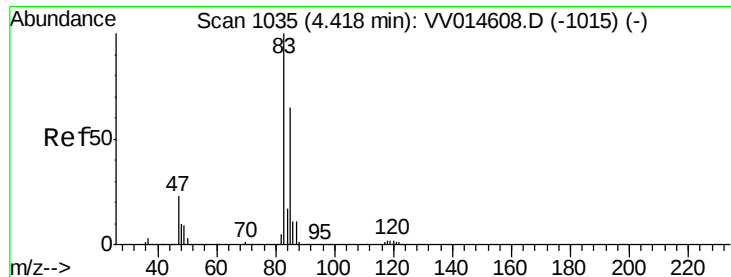
Bromochloromethane
 Concen: 4.926 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Tgt Ion: 128 Resp: 36831
 Ion Ratio Lower Upper
 128 100
 49 136.5 90.2 167.4
 130 136.5 85.6 159.0
 51 45.3 35.2 52.8



Abundance Ion 127.90 (127.60 to 128.60): VV014608.D (-978) (-)
 Ion 49.10 (48.80 to 49.80): VV014608.D (-978) (-)
 Ion 129.95 (129.65 to 130.65): VV014608.D (-978) (-)
 Ion 51.05 (50.75 to 51.75): VV014608.D (-978) (-)





#25

Chloroform

Concen: 4.926 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

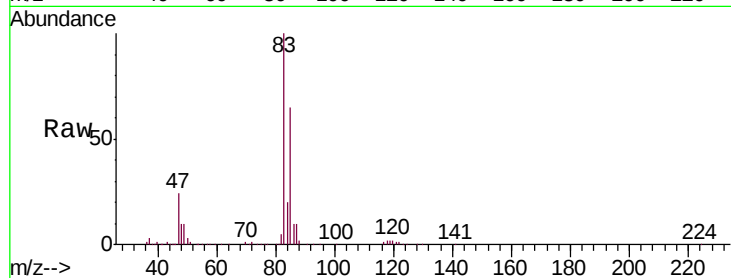
VICV706

Tgt Ion: 83 Resp: 193442

Ion Ratio Lower Upper

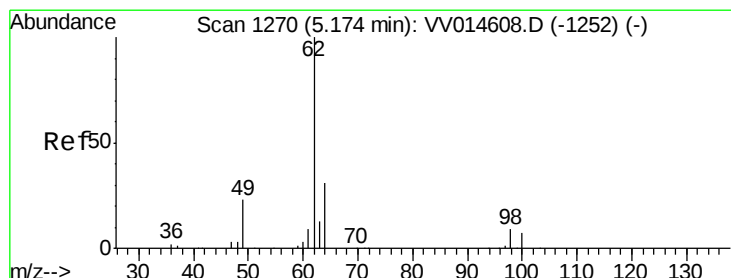
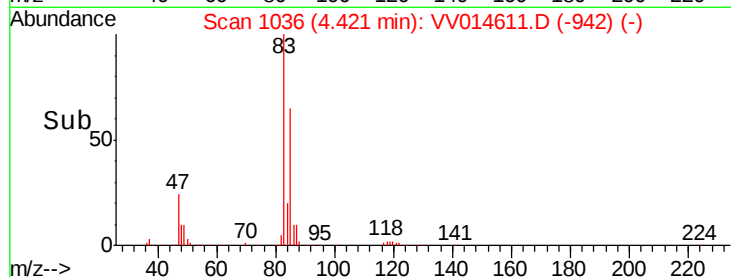
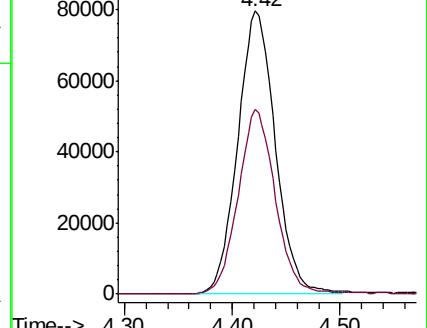
83 100

85 65.4 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VV014608.D (-1015) (-)

Ion 85.00 (84.70 to 85.70): VV014611.D (-942) (-)



#27

1,2-Dichloroethane

Concen: 5.351 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014611.D

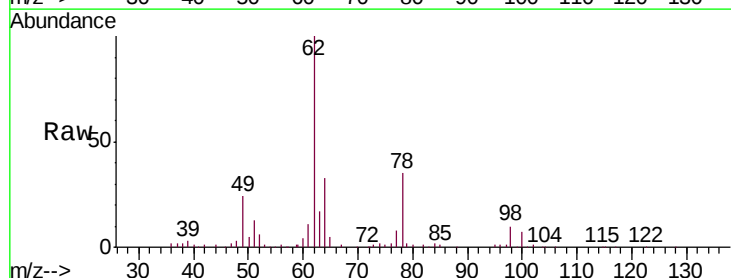
Acq: 19 Feb 2020 16:59

Tgt Ion: 62 Resp: 88739

Ion Ratio Lower Upper

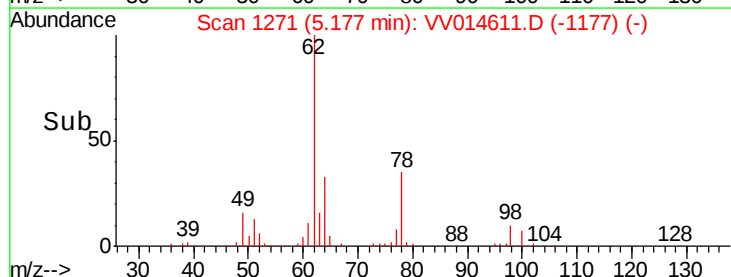
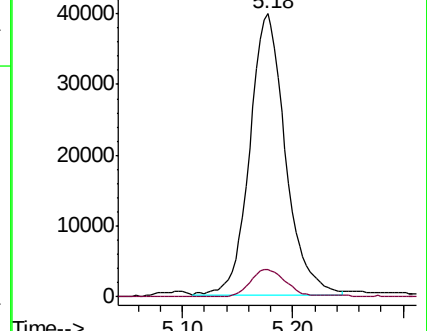
62 100

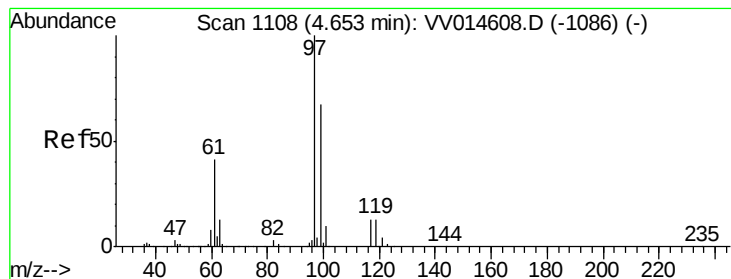
98 9.6 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VV014608.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV014611.D (-1177) (-)





#29

1,1,1-Trichloroethane

Concen: 5.156 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VICV706

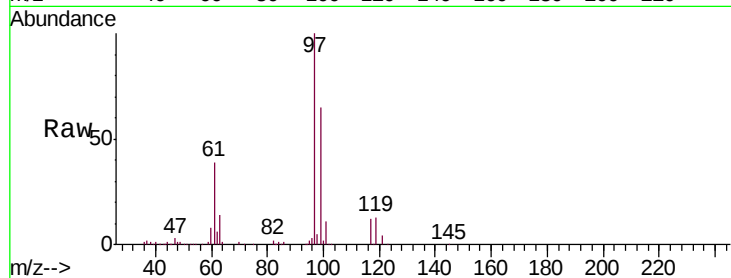
Tgt Ion: 97 Resp: 145604

Ion Ratio Lower Upper

97 100

99 64.3 52.1 78.1

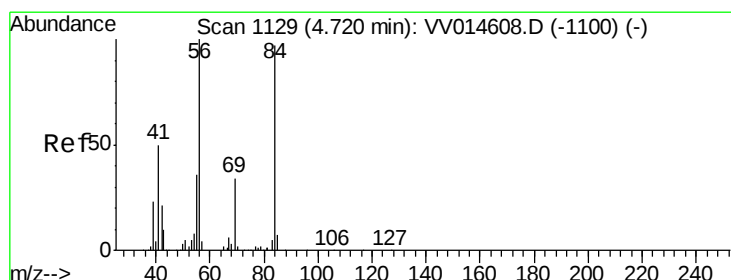
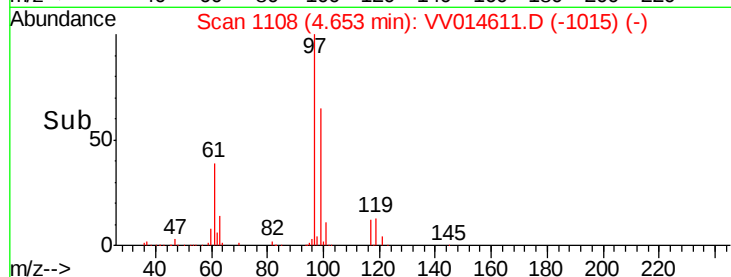
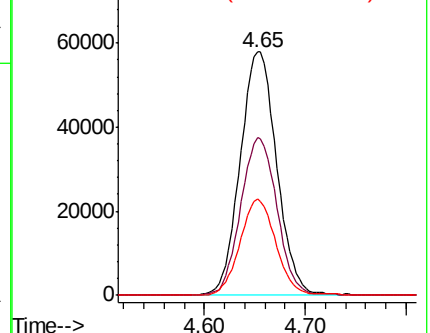
61 38.7 32.8 49.2



Abundance Ion 96.95 (96.65 to 97.65): VV014611.D (-1015) (-)

Ion 99.05 (98.75 to 99.75): VV014611.D (-1015) (-)

Ion 61.05 (60.75 to 61.75): VV014611.D (-1015) (-)



#30

Cyclohexane

Concen: 5.058 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

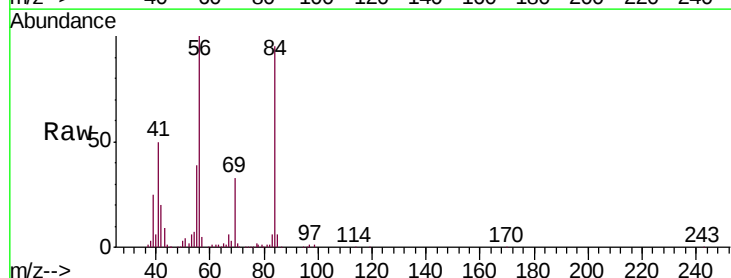
Tgt Ion: 56 Resp: 133049

Ion Ratio Lower Upper

56 100

69 33.7 26.7 40.1

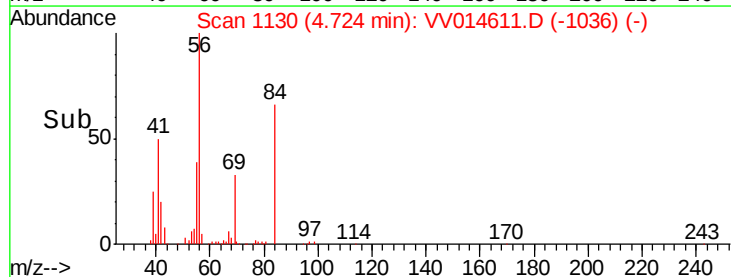
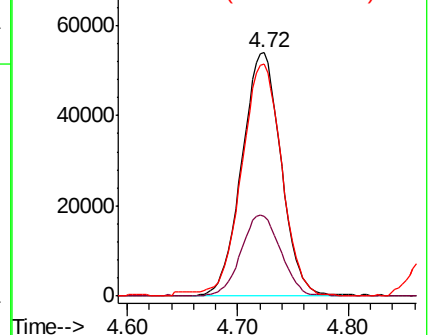
84 97.0 75.9 113.9

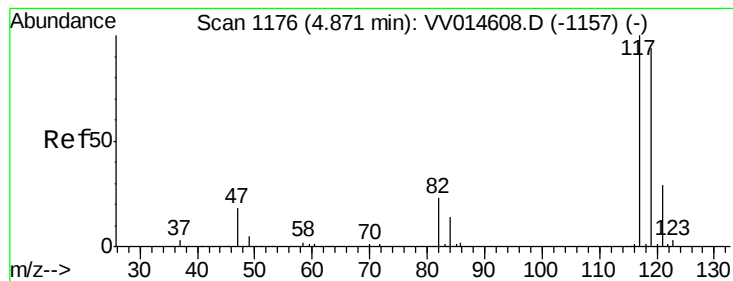


Abundance Ion 56.10 (55.80 to 56.80): VV014611.D (-1036) (-)

Ion 69.15 (68.85 to 69.85): VV014611.D (-1036) (-)

Ion 84.15 (83.85 to 84.85): VV014611.D (-1036) (-)





#31

Carbon tetrachloride

Concen: 5.231 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

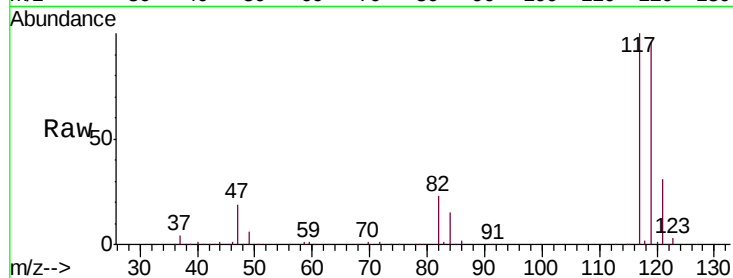
VICV706

Tgt Ion:117 Resp: 128108

Ion Ratio Lower Upper

117 100

119 94.4 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

60000

50000

40000

30000

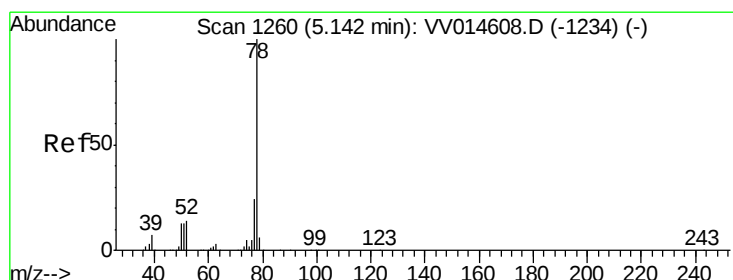
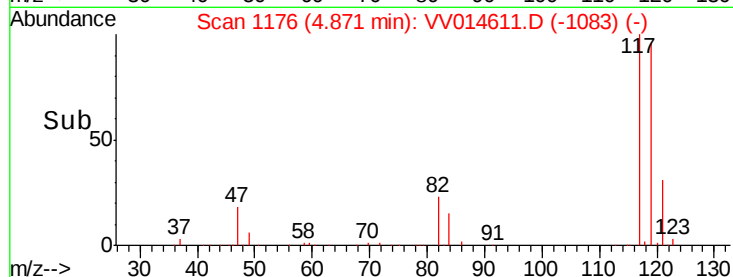
20000

10000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 5.231 ug/L

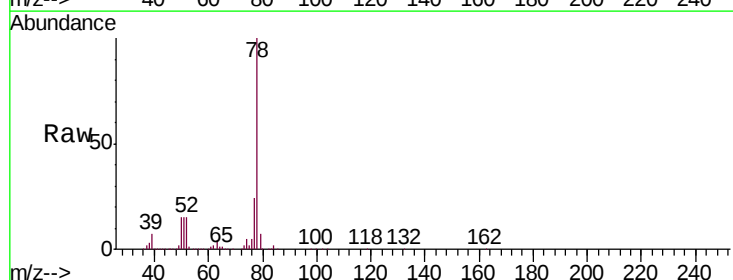
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Tgt Ion: 78 Resp: 335227



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

150000

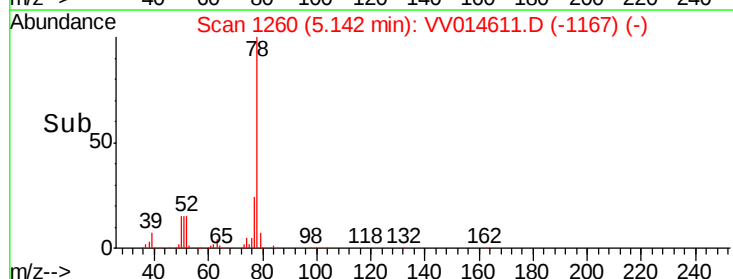
100000

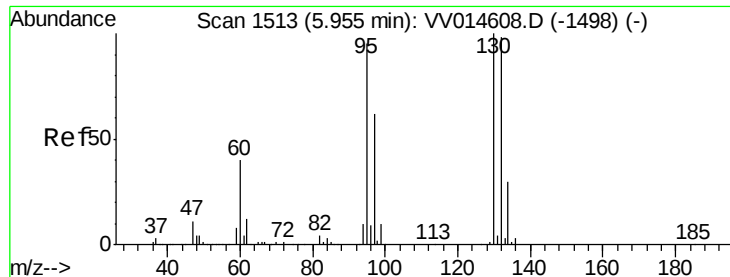
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 5.033 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VICV706

Tgt Ion: 95 Resp: 91718

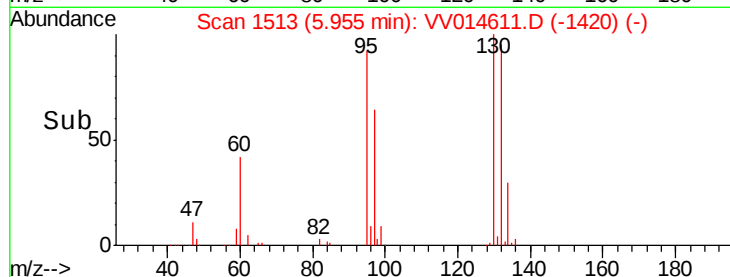
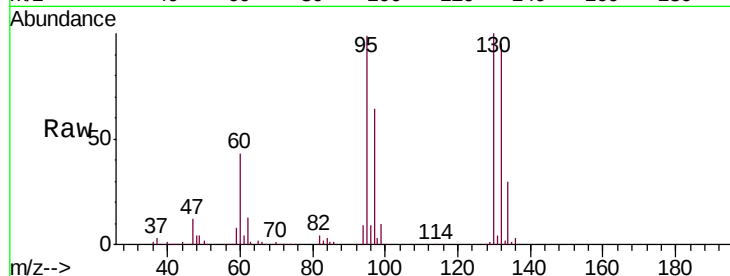
Ion Ratio Lower Upper

95 100

97 64.6 45.4 84.2

132 95.9 72.4 134.4

130 101.0 73.7 136.9

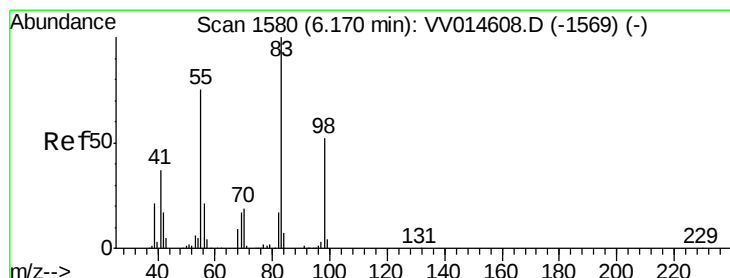
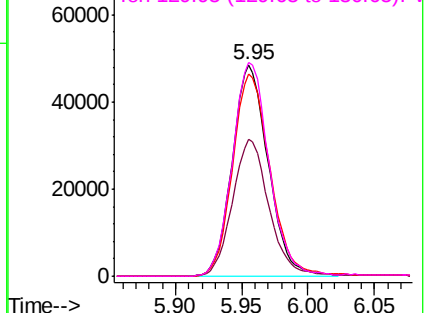


Abundance Ion 95.00 (94.70 to 95.70): VV014611.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV014611.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV014611.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV014611.D (-1420) (-)



#35

Methylcyclohexane

Concen: 5.115 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

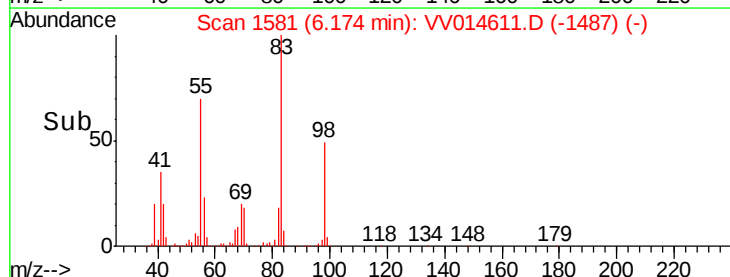
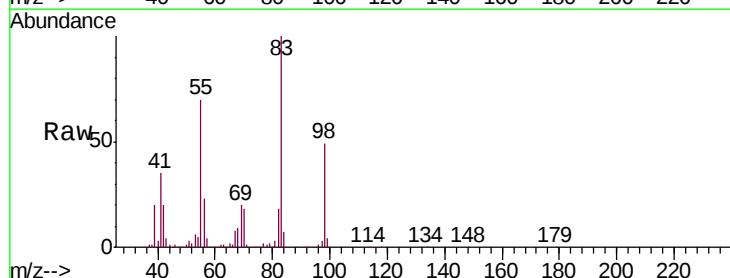
Tgt Ion: 83 Resp: 154915

Ion Ratio Lower Upper

83 100

55 71.4 57.1 85.7

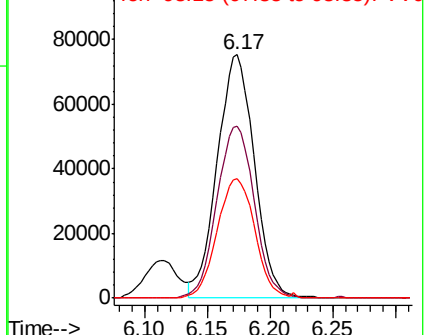
98 49.8 40.2 60.2

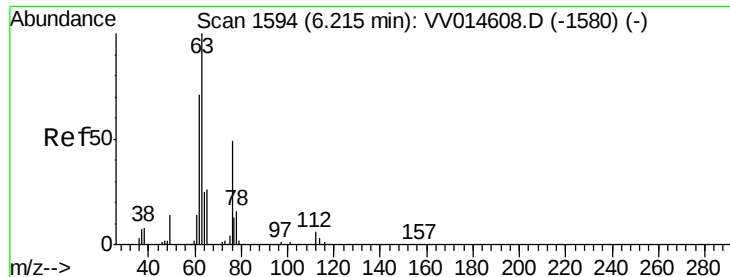


Abundance Ion 83.15 (82.85 to 83.85): VV014611.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV014611.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV014611.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 4.898 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

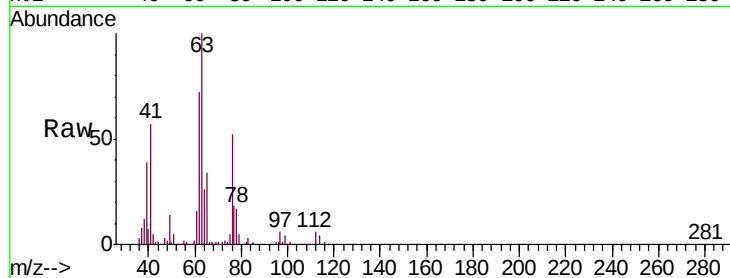
VICV706

Tgt Ion: 63 Resp: 72756

Ion Ratio Lower Upper

63 100

112 5.7 4.3 6.5

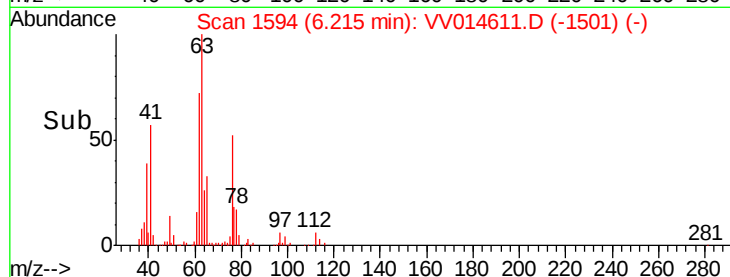


Abundance Ion 63.10 (62.80 to 63.80): VV014611.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV014611.D (-1501) (-)

6.22

Time-->



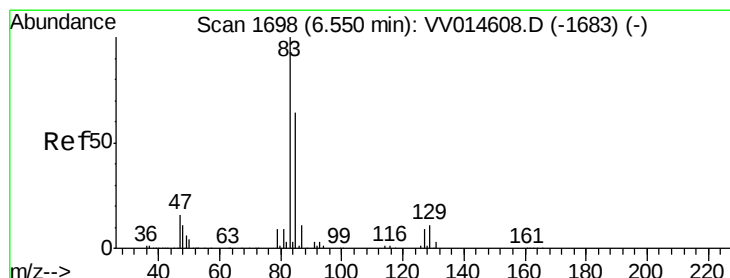
Abundance

Ion 63.10 (62.80 to 63.80): VV014611.D (-1501) (-)

Ion 112.10 (111.80 to 112.80): VV014611.D (-1501) (-)

6.22

Time-->



#38

Bromodichloromethane

Concen: 5.126 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

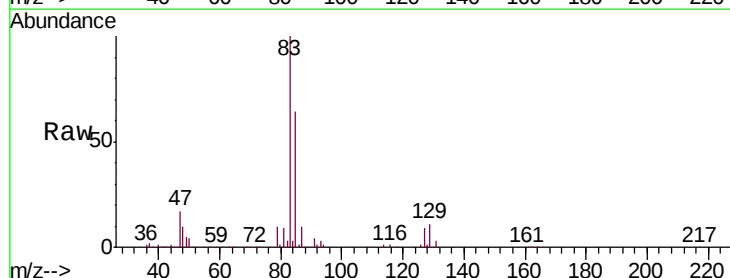
Tgt Ion: 83 Resp: 108804

Ion Ratio Lower Upper

83 100

85 63.6 45.2 84.0

127 9.4 7.0 10.6



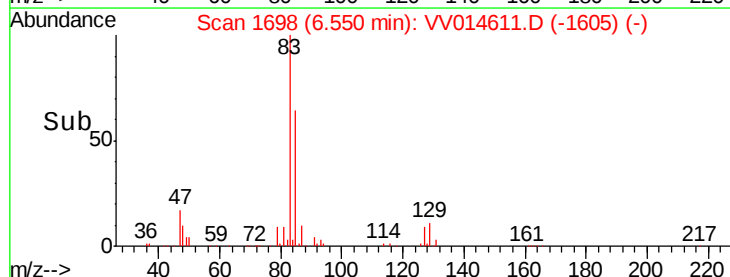
Abundance Ion 82.95 (82.65 to 83.65): VV014611.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV014611.D (-1605) (-)

Ion 126.90 (126.60 to 127.60): VV014611.D (-1605) (-)

6.55

Time-->



Abundance

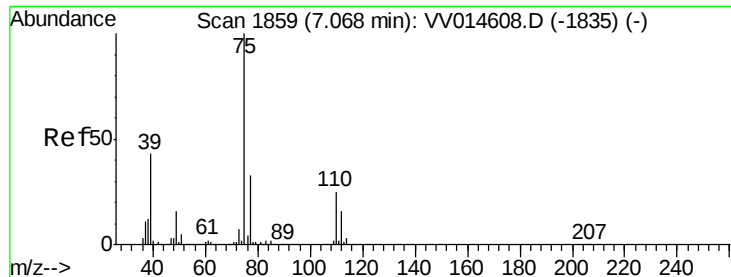
Ion 82.95 (82.65 to 83.65): VV014611.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV014611.D (-1605) (-)

Ion 126.90 (126.60 to 127.60): VV014611.D (-1605) (-)

6.55

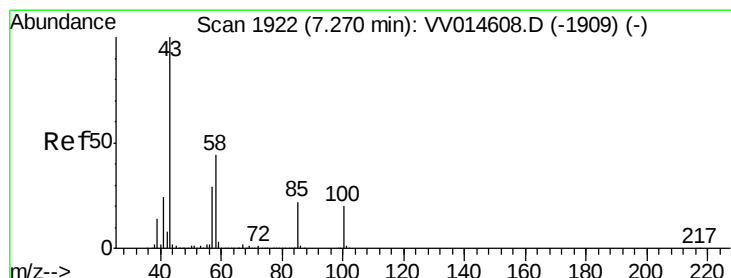
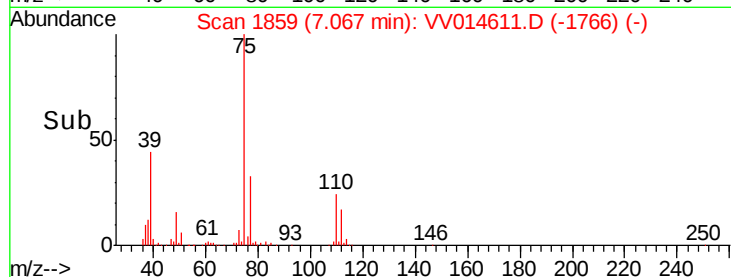
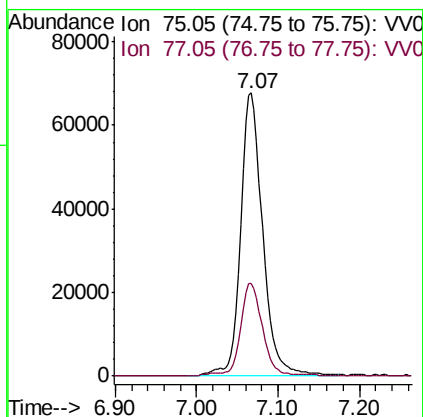
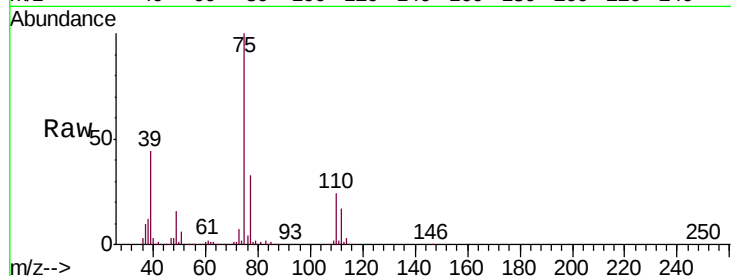
Time-->



#39
 cis-1,3-Dichloropropene
 Concen: 5.333 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

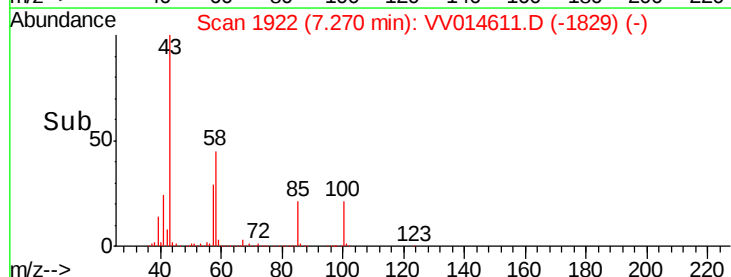
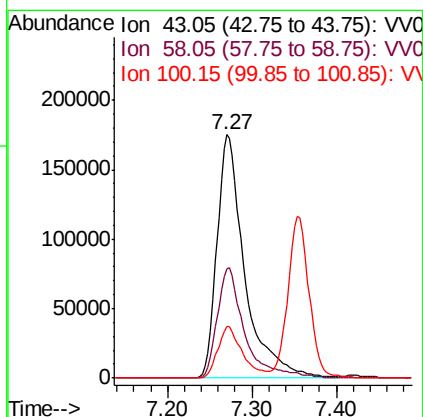
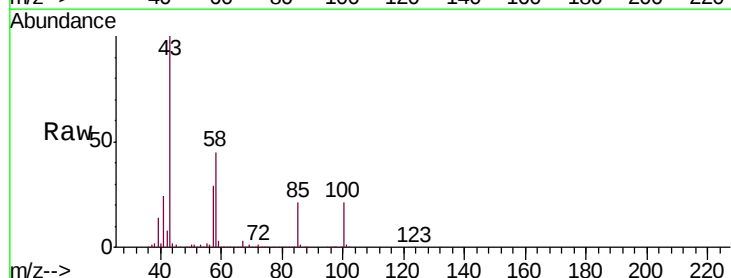
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV706

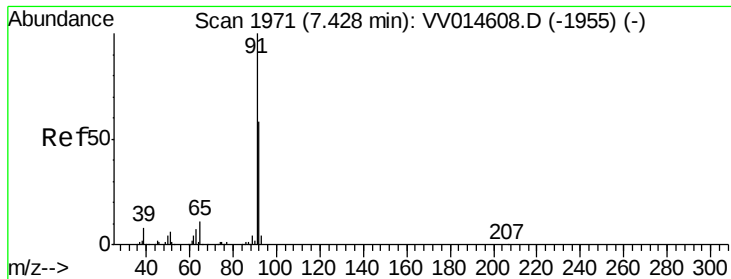
Tgt Ion: 75 Resp: 127380
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 55.486 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Tgt Ion: 43 Resp: 400098
 Ion Ratio Lower Upper
 43 100
 58 44.7 36.2 54.2
 100 18.9 14.7 22.1





#42

Toluene

Concen: 5.265 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

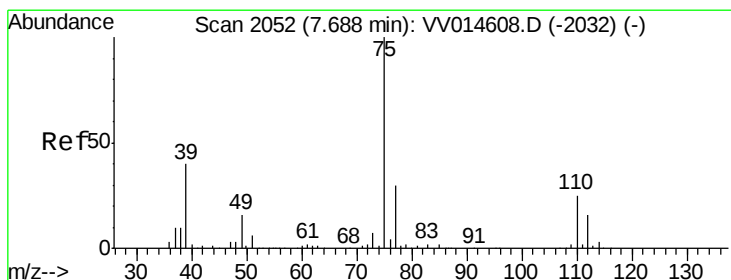
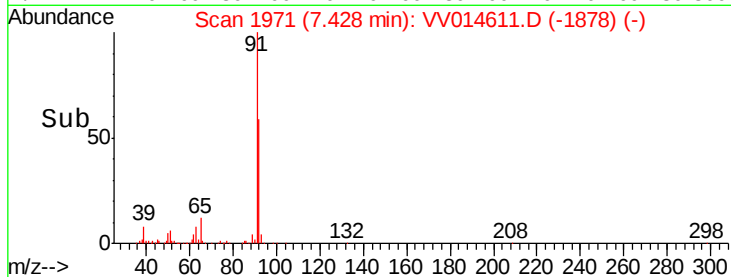
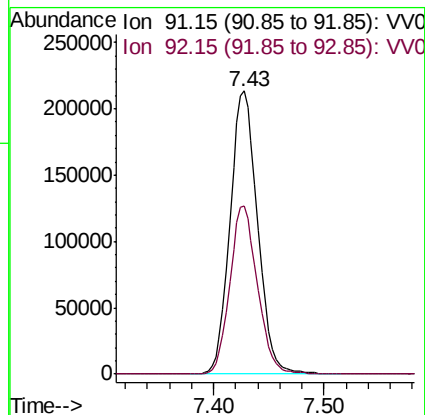
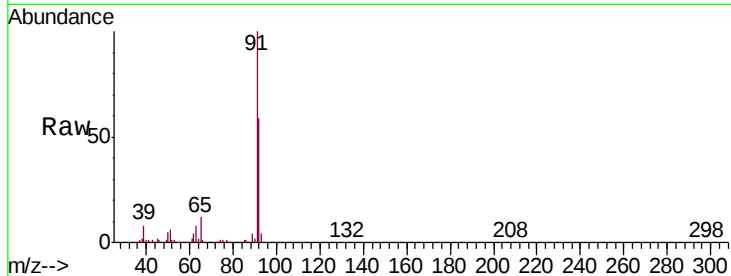
VICV706

Tgt Ion: 91 Resp: 369548

Ion Ratio Lower Upper

91 100

92 59.3 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 5.334 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014611.D

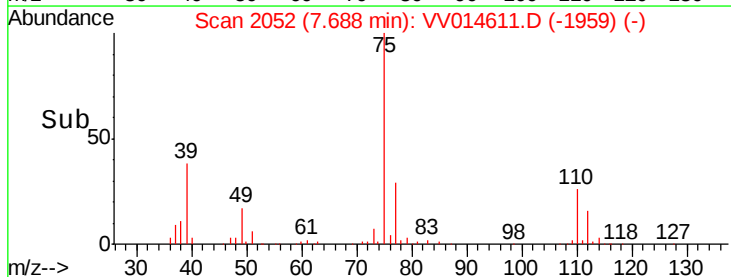
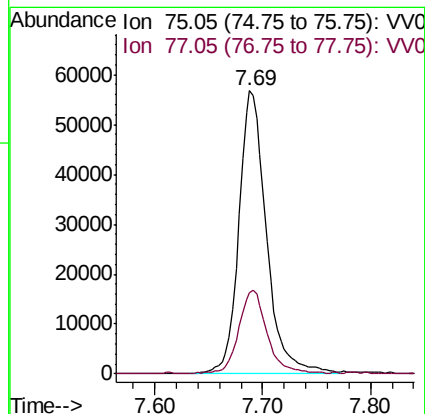
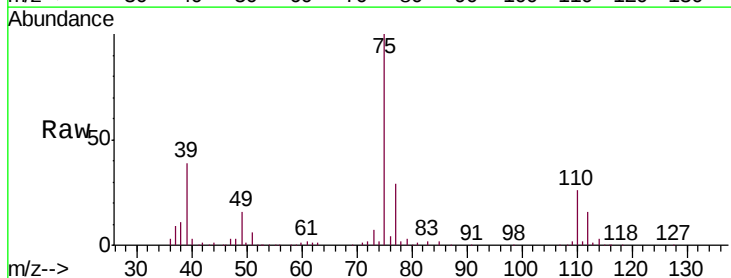
Acq: 19 Feb 2020 16:59

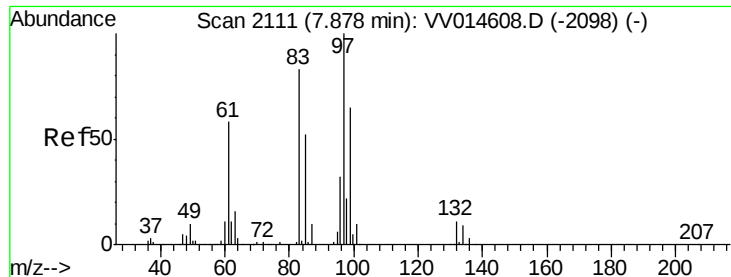
Tgt Ion: 75 Resp: 101569

Ion Ratio Lower Upper

75 100

77 28.8 21.0 39.0

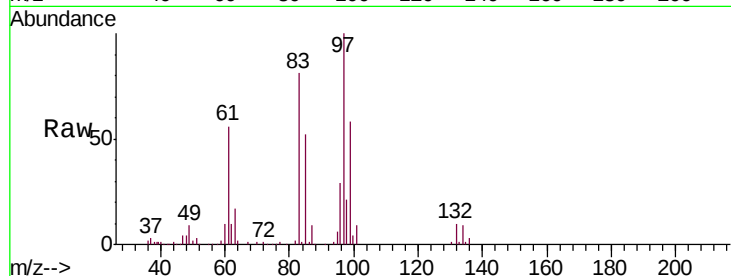




#45
 1,1,2-Trichloroethane
 Concen: 5.285 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV706

Tgt Ion:	97	Resp:	58821
Ion	Ratio	Lower	Upper
97	100		
99	57.7	45.2	84.0
83	81.0	58.3	108.3
85	51.6	36.3	67.5



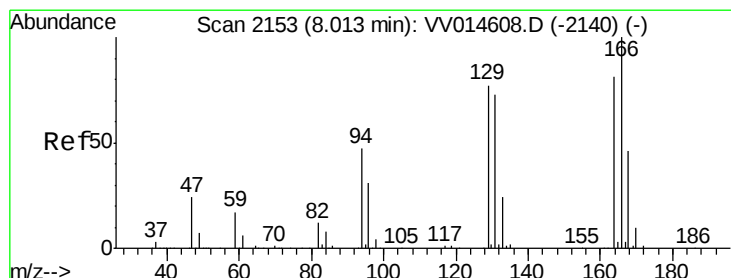
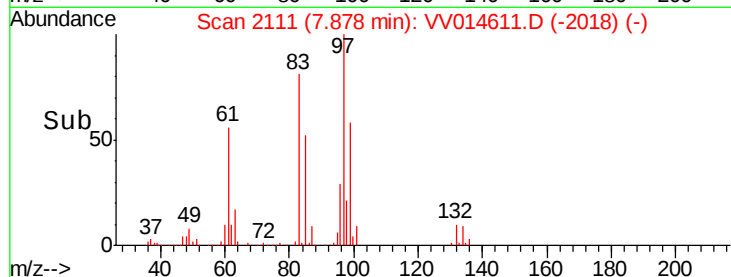
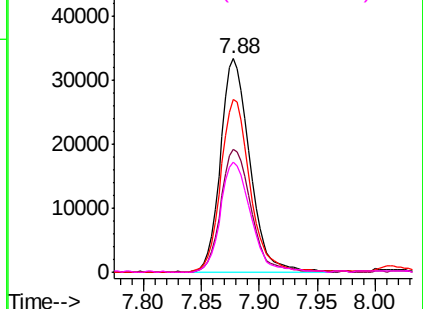
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

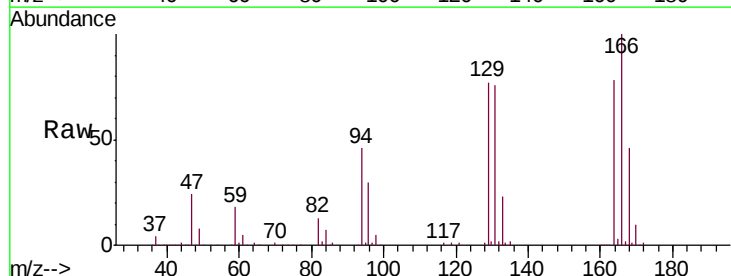
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.215 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Tgt Ion:	164	Resp:	74995
Ion	Ratio	Lower	Upper
164	100		
129	99.1	67.0	124.4
131	97.5	63.6	118.2
166	128.8	86.7	161.1



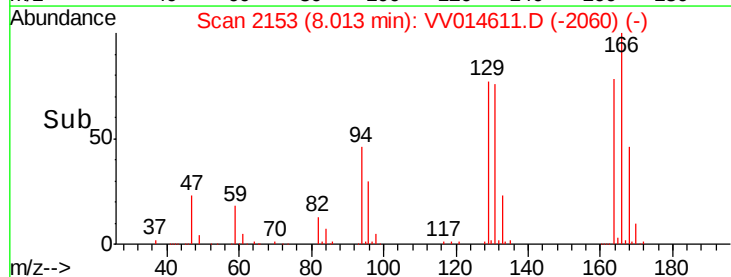
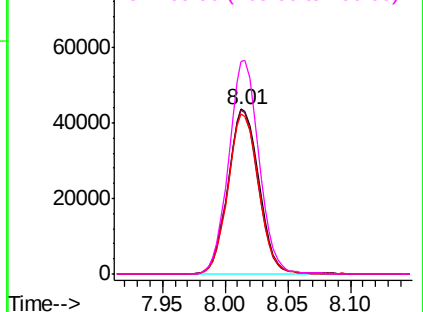
Abundance

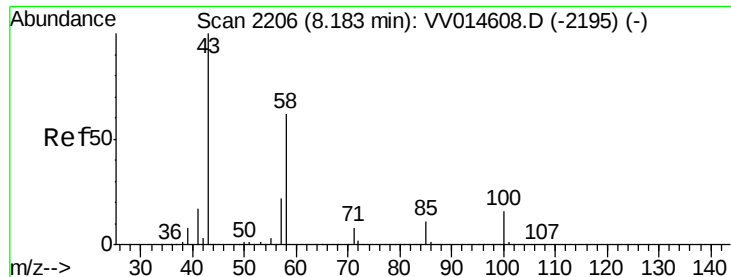
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

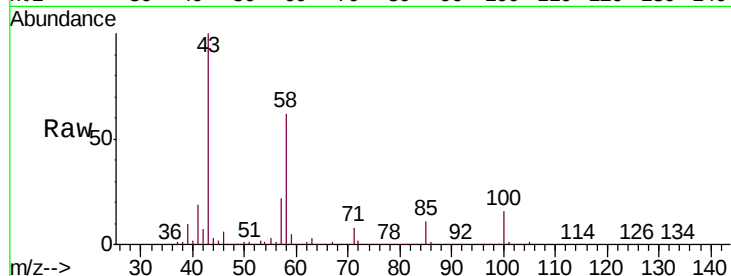




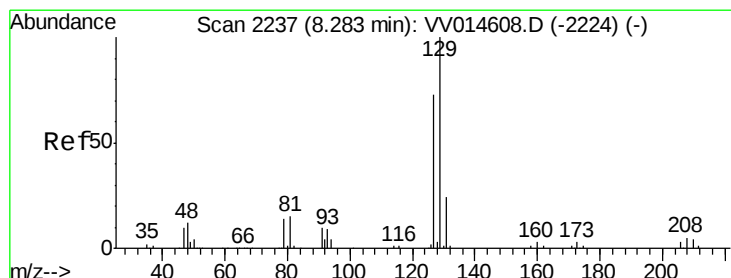
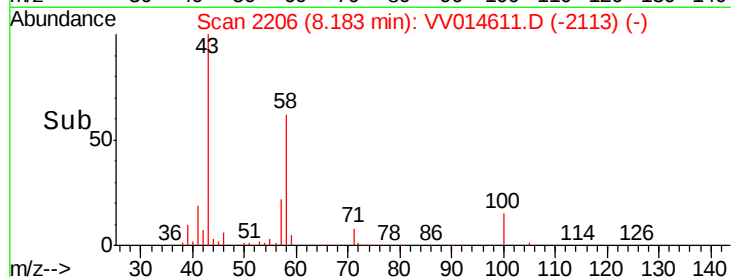
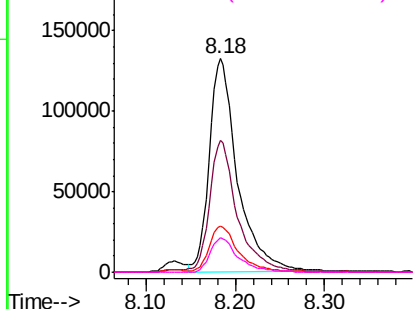
#48
2-Hexanone
Concen: 56.037 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

Instrument :
MSVOA_V
ClientSampleId :
VICV706

Tgt Ion: 43 Resp: 290736
Ion Ratio Lower Upper
43 100
58 61.9 48.6 73.0
57 22.2 17.7 26.5
100 16.1 12.8 19.2

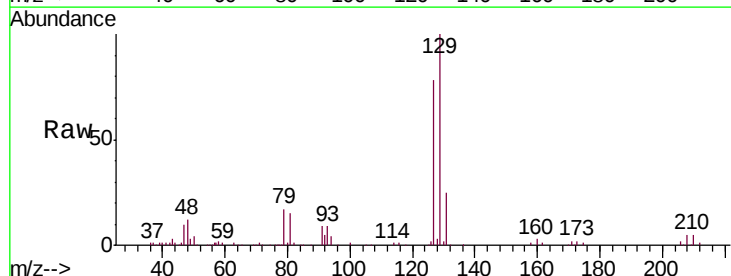


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

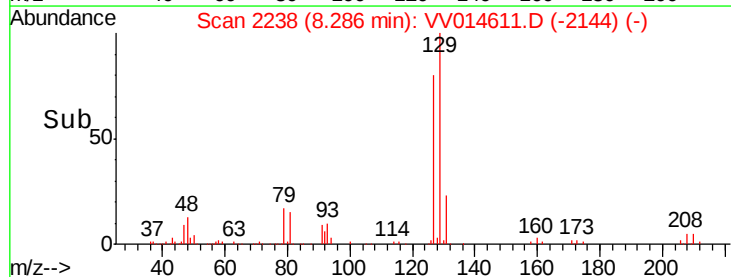
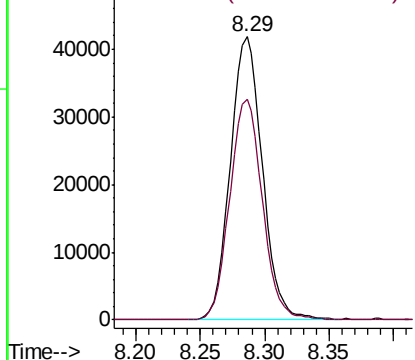


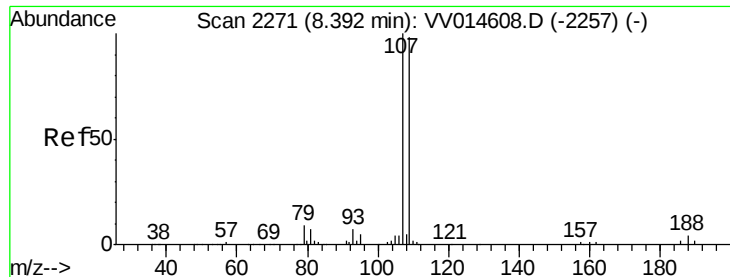
#49
Dibromochloromethane
Concen: 5.024 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

Tgt Ion: 129 Resp: 72392
Ion Ratio Lower Upper
129 100
127 78.0 50.9 94.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

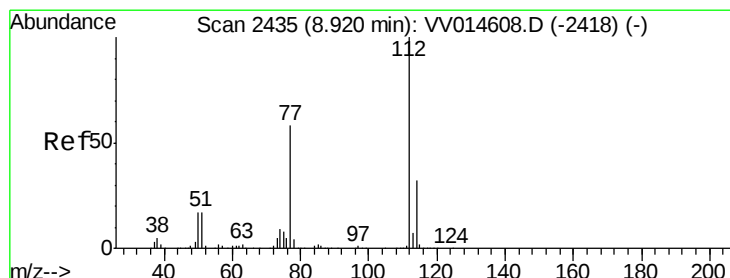
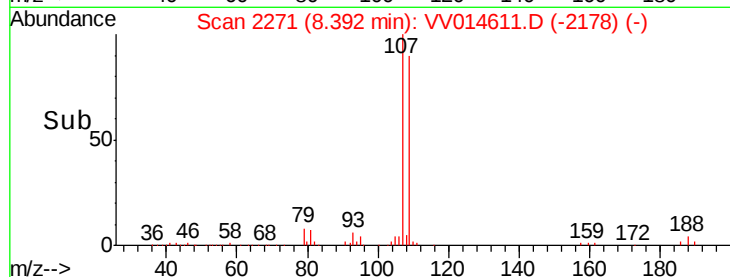
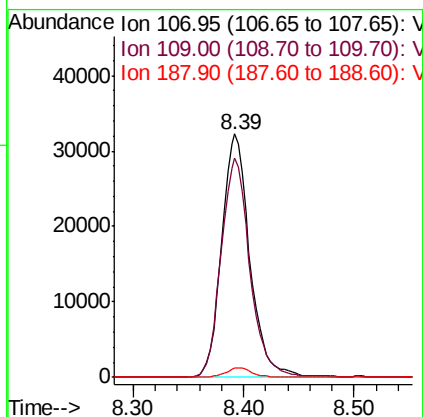
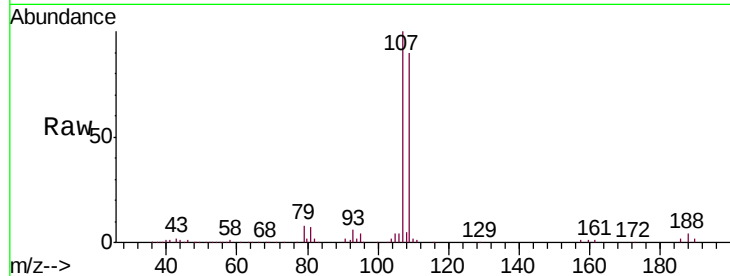




#50
1,2-Dibromoethane
Concen: 5.385 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

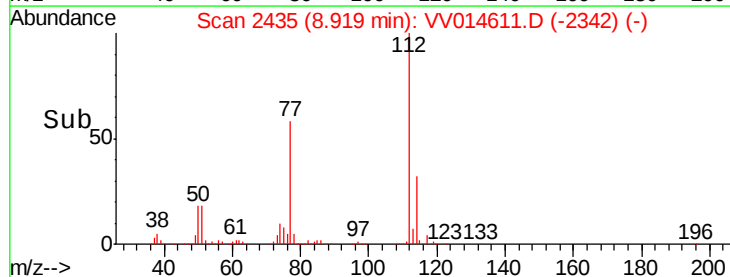
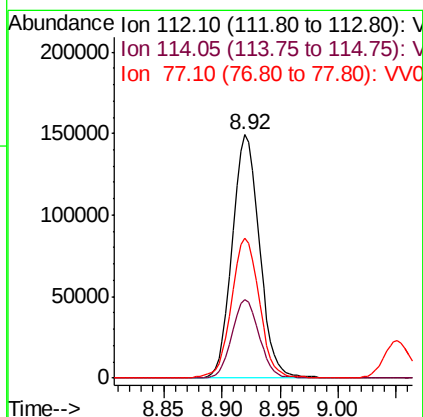
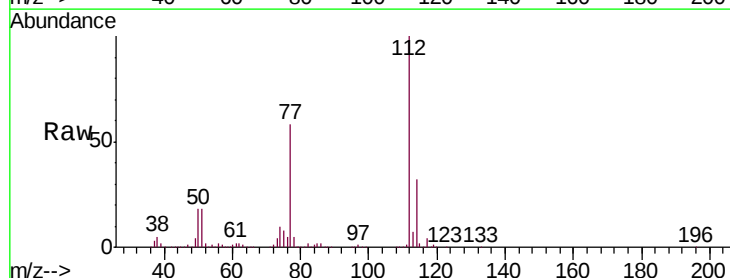
Instrument :
MSVOA_V
ClientSampleId :
VICV706

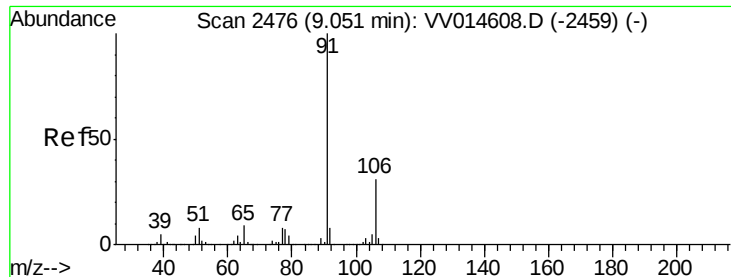
Tgt Ion:107 Resp: 57006
Ion Ratio Lower Upper
107 100
109 89.9 68.7 127.5
188 3.9 2.9 4.3



#51
Chlorobenzene
Concen: 5.230 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

Tgt Ion:112 Resp: 242169
Ion Ratio Lower Upper
112 100
114 32.3 22.5 41.9
77 57.6 46.6 70.0





#52

Ethylbenzene

Concen: 5.310 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

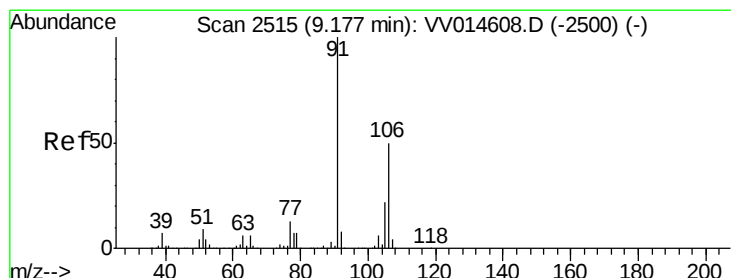
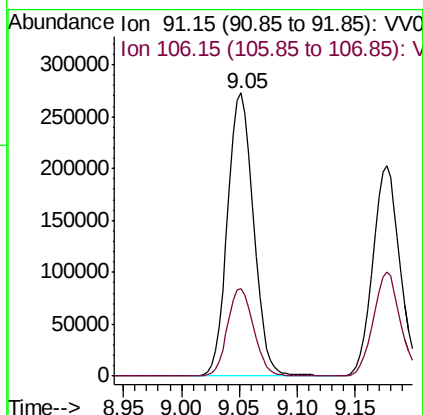
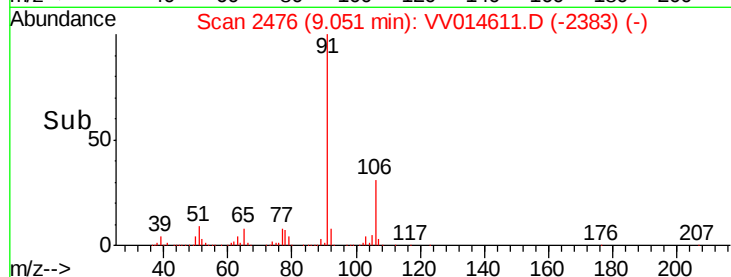
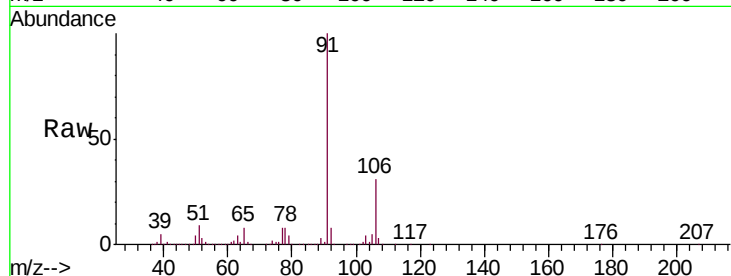
VICV706

Tgt Ion: 91 Resp: 424385

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.6



#53

m,p-xylene

Concen: 5.378 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014611.D

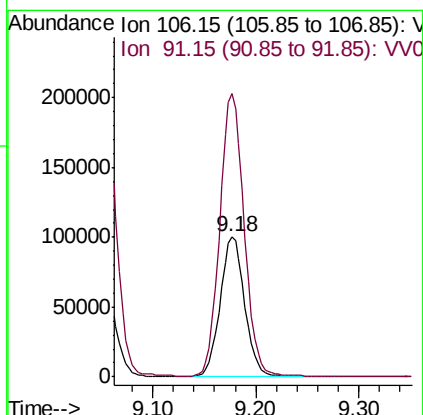
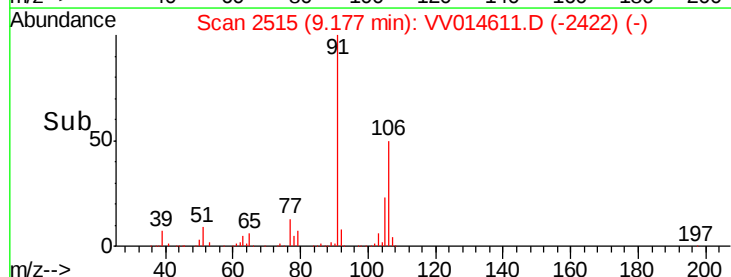
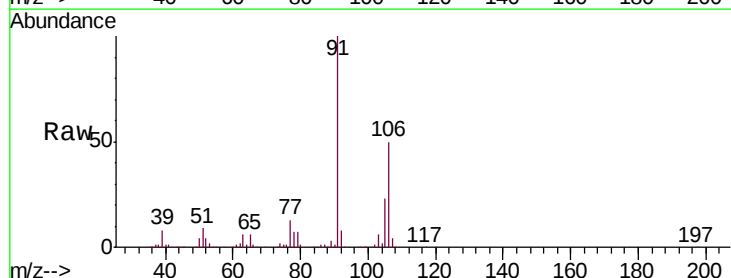
Acq: 19 Feb 2020 16:59

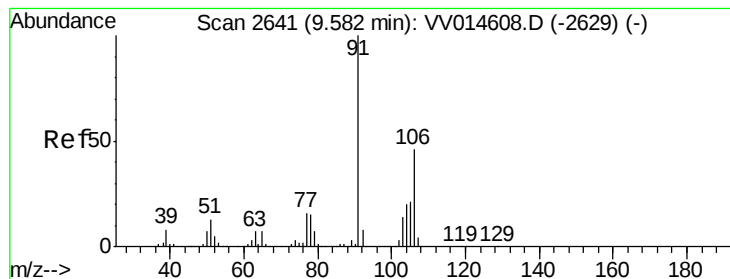
Tgt Ion: 106 Resp: 164467

Ion Ratio Lower Upper

106 100

91 201.3 139.6 259.2





#54

o-xylene

Concen: 5.333 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

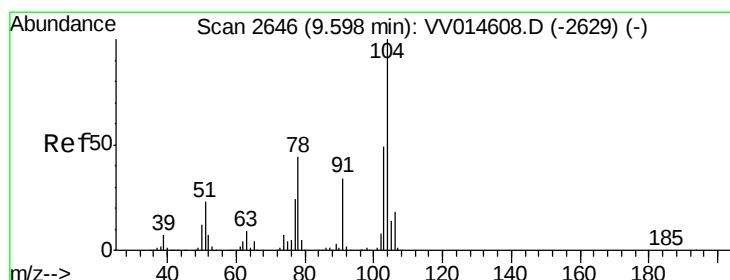
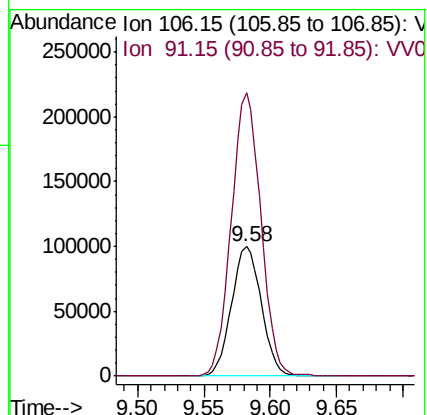
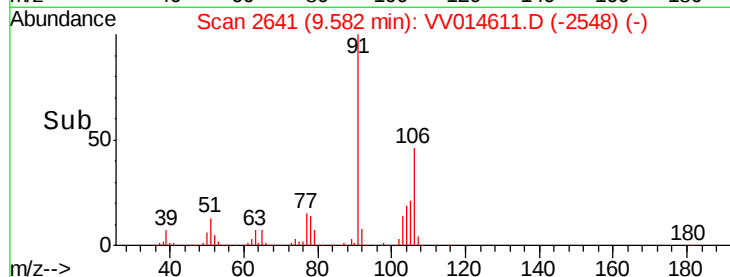
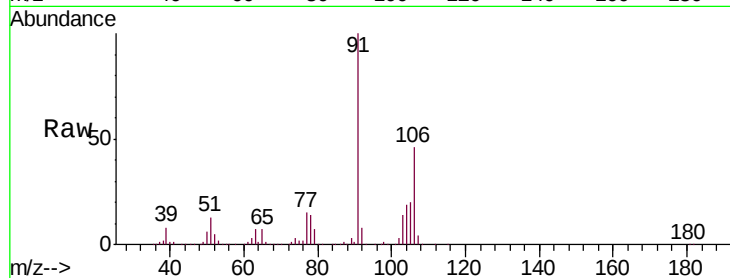
VICV706

Tgt Ion:106 Resp: 156608

Ion Ratio Lower Upper

106 100

91 218.6 153.9 285.7



#55

Styrene

Concen: 5.368 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014611.D

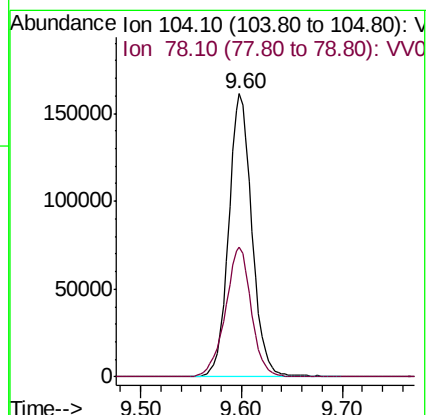
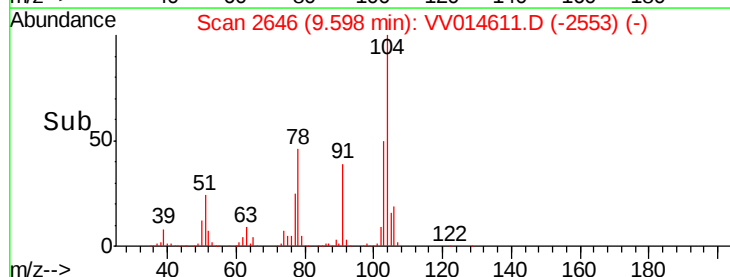
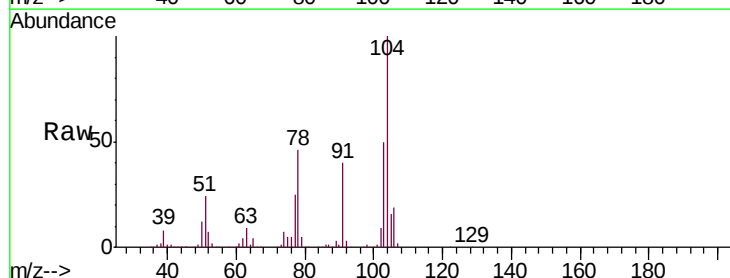
Acq: 19 Feb 2020 16:59

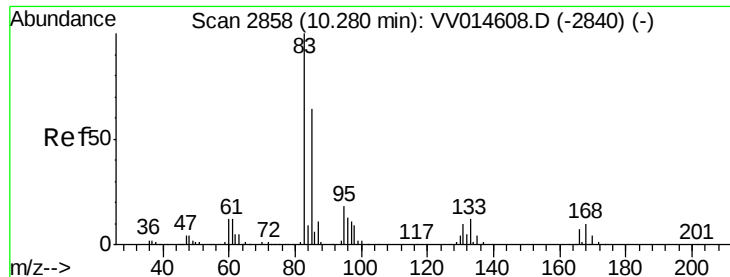
Tgt Ion:104 Resp: 260387

Ion Ratio Lower Upper

104 100

78 45.9 30.8 57.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.238 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VICV706

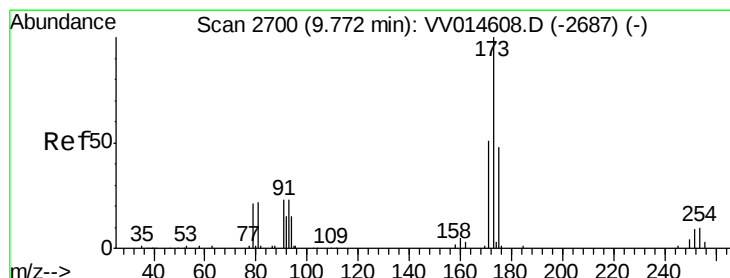
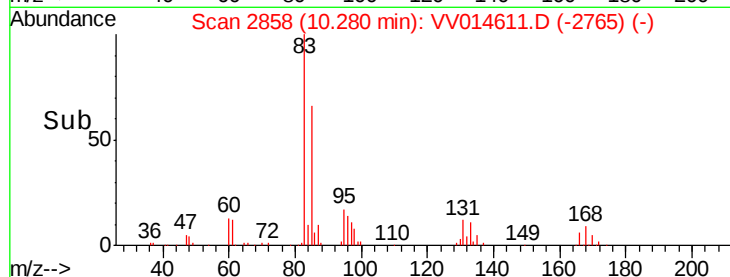
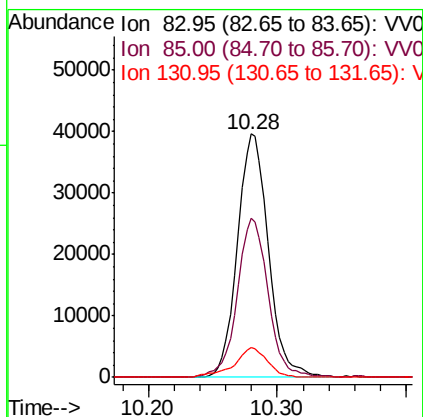
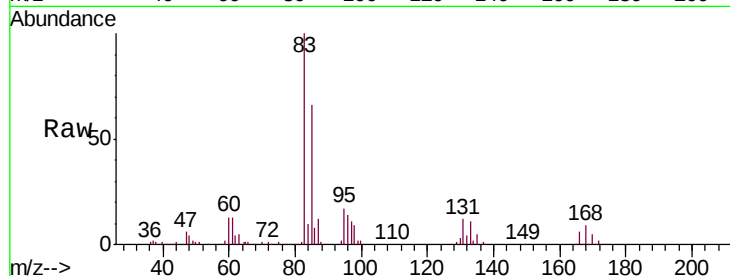
Tgt Ion: 83 Resp: 66331

Ion Ratio Lower Upper

83 100

85 65.6 44.6 82.8

131 12.2 8.1 12.1#



#59

Bromoform

Concen: 5.293 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

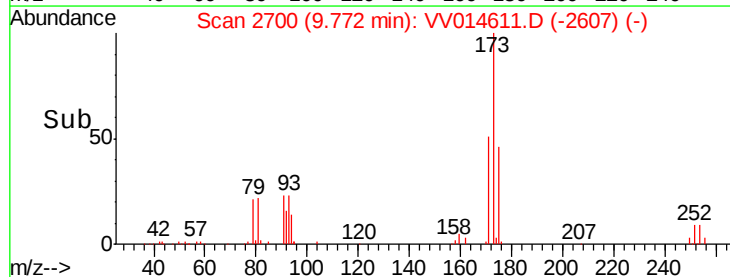
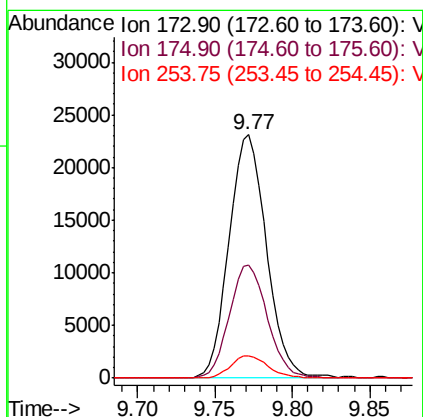
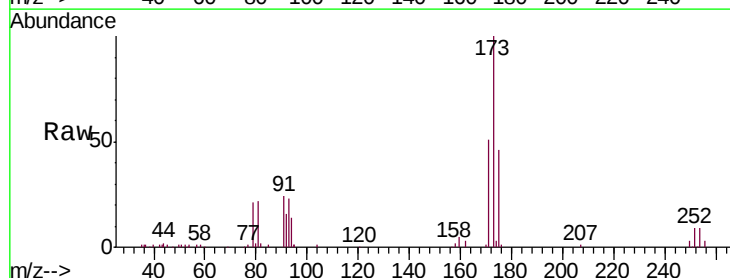
Tgt Ion: 173 Resp: 38805

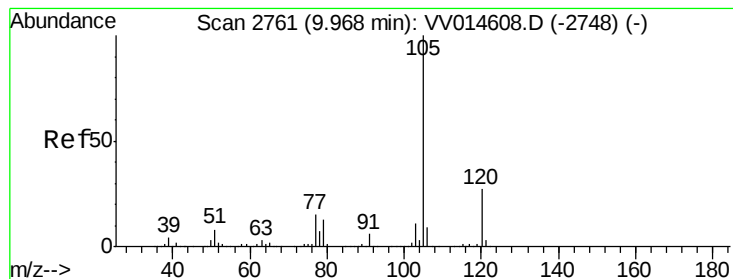
Ion Ratio Lower Upper

173 100

175 46.9 40.0 60.0

254 9.1 8.2 12.2





#60

Isopropylbenzene

Concen: 5.289 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

Instrument :

MSVOA_V

ClientSampleId :

VICV706

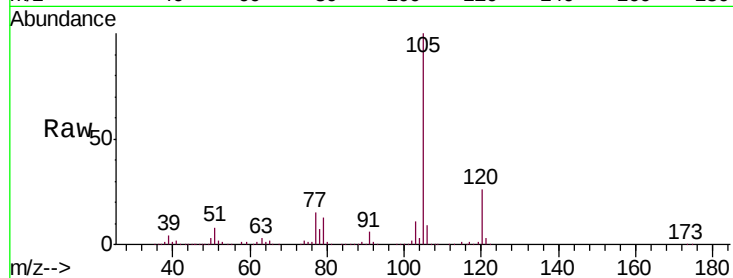
Tgt Ion: 105 Resp: 423619

Ion Ratio Lower Upper

105 100

120 27.0 21.3 31.9

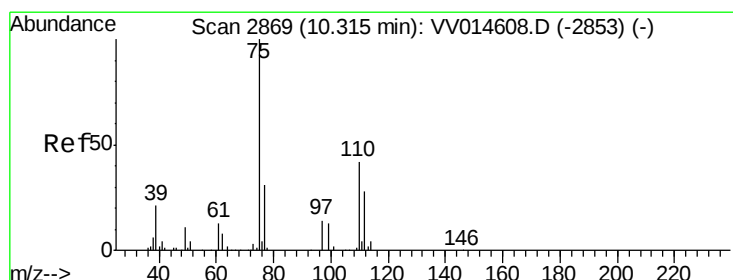
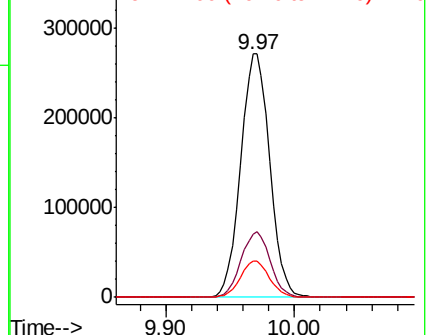
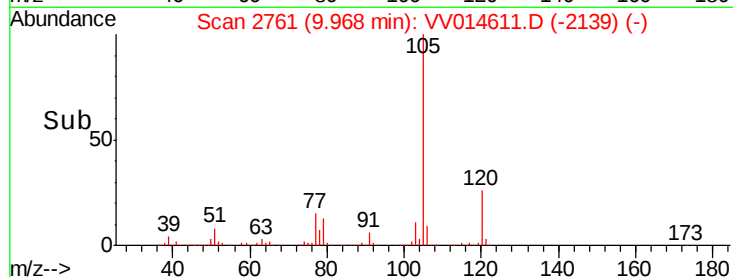
77 15.0 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 5.365 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014611.D

Acq: 19 Feb 2020 16:59

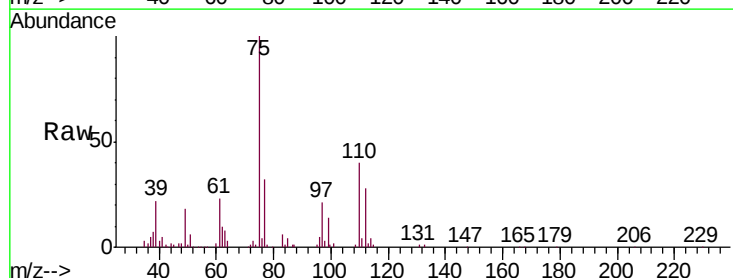
Tgt Ion: 75 Resp: 49131

Ion Ratio Lower Upper

75 100

77 33.9 26.3 39.5

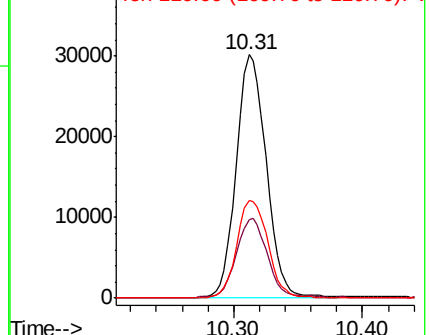
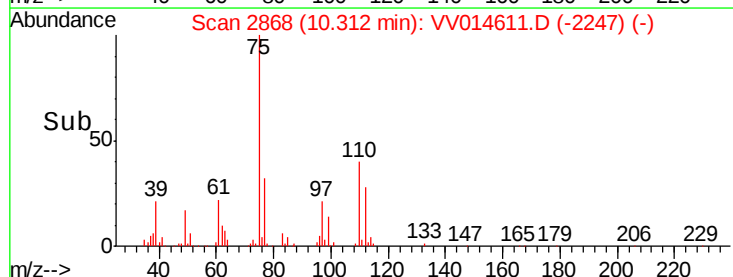
110 41.4 33.6 50.4

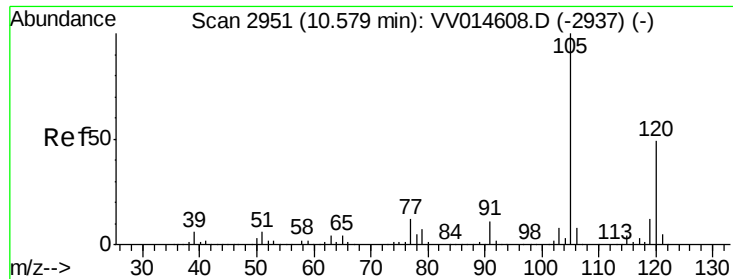


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

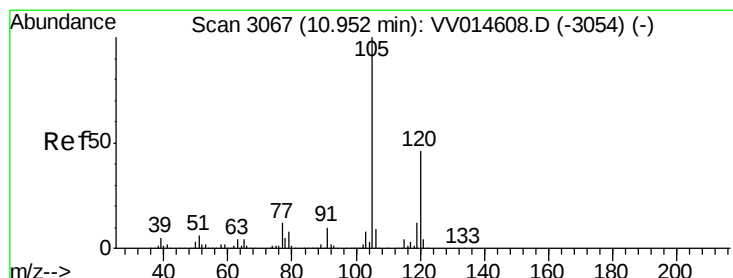
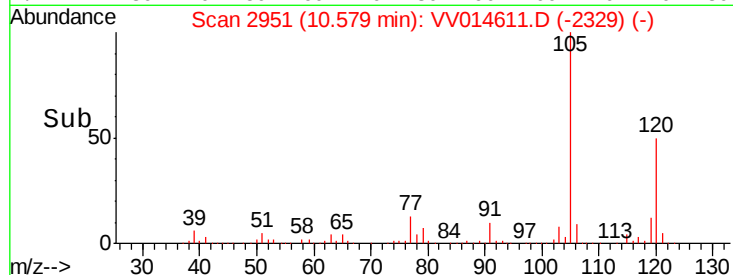
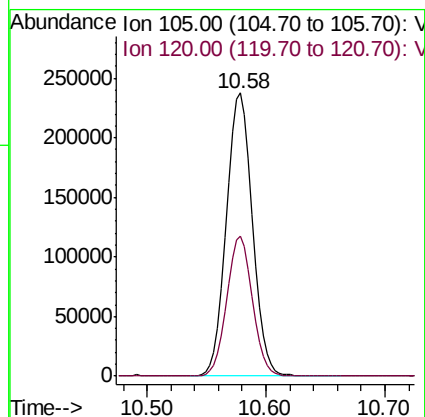
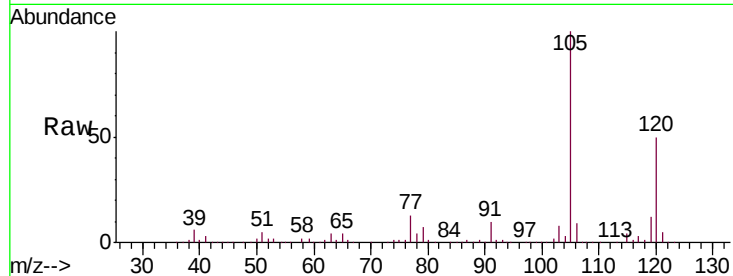




#62
 1,3,5-Trimethylbenzene
 Concen: 5.404 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

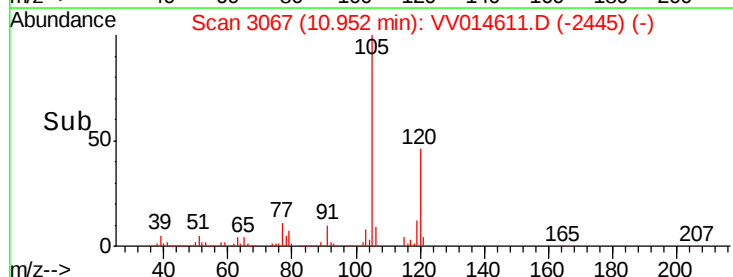
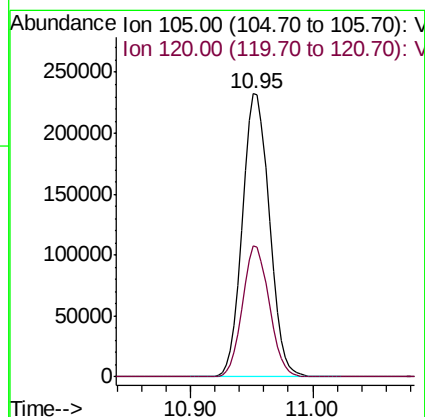
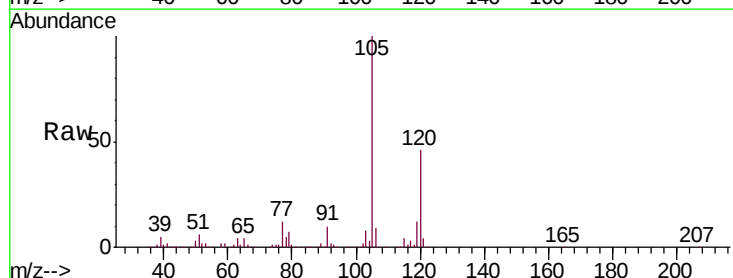
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV706

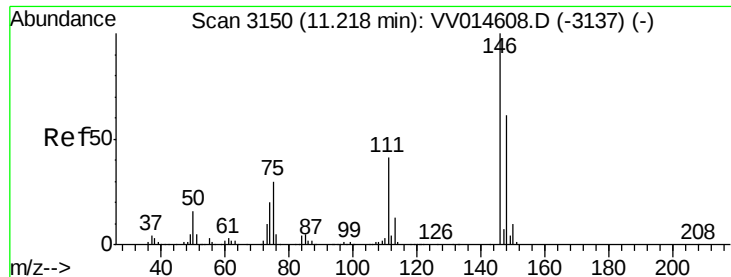
Tgt Ion:105 Resp: 361169
 Ion Ratio Lower Upper
 105 100
 120 48.7 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 5.412 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Tgt Ion:105 Resp: 354867
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.5 54.7

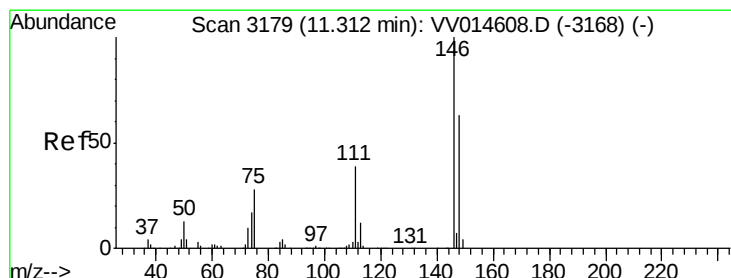
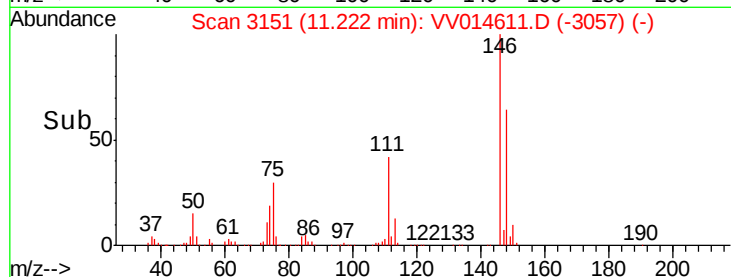
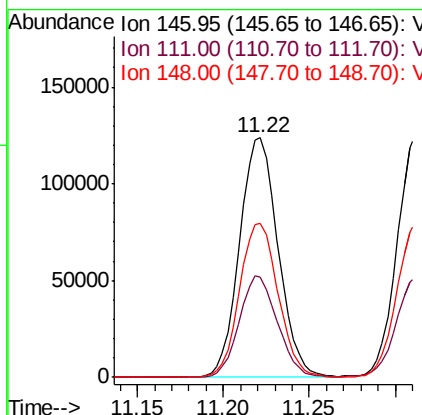
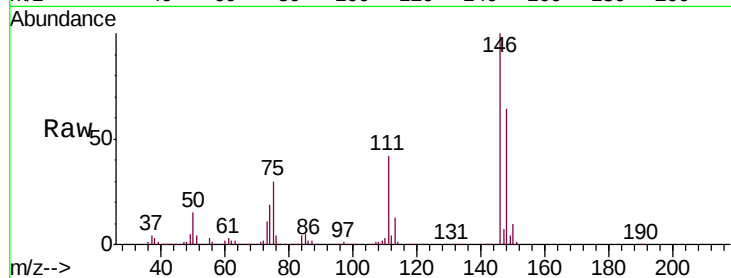




#64
 1,3-Dichlorobenzene
 Concen: 5.146 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

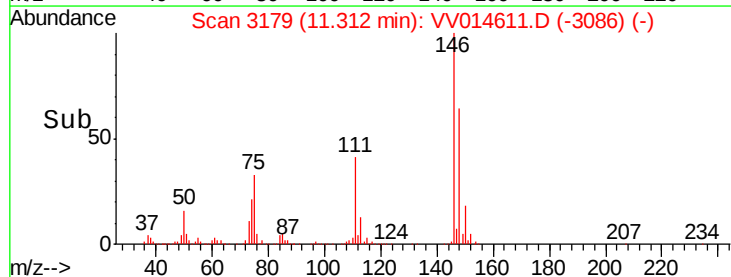
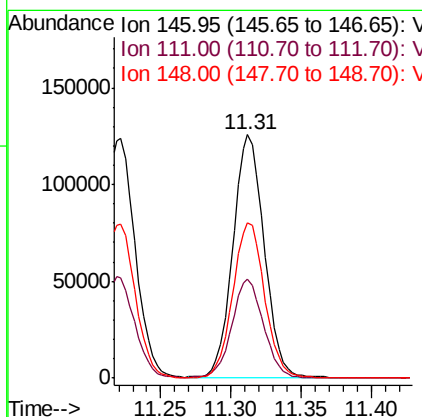
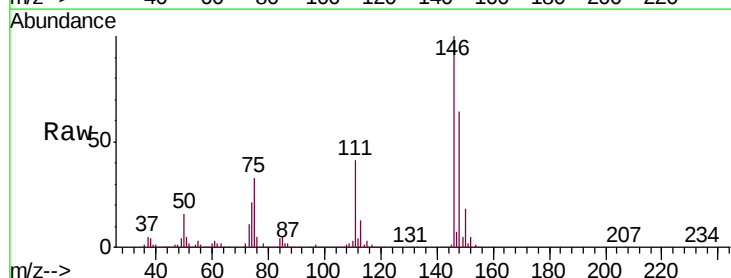
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV706

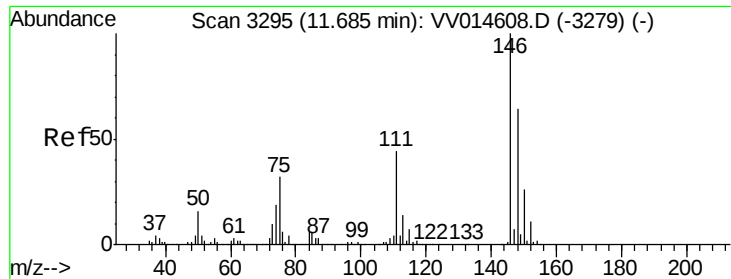
Tgt Ion:146 Resp: 193250
 Ion Ratio Lower Upper
 146 100
 111 41.6 28.4 52.8
 148 64.4 43.0 79.8



#65
 1,4-Dichlorobenzene
 Concen: 5.276 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Tgt Ion:146 Resp: 194602
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.6 51.4
 148 63.9 44.3 82.3

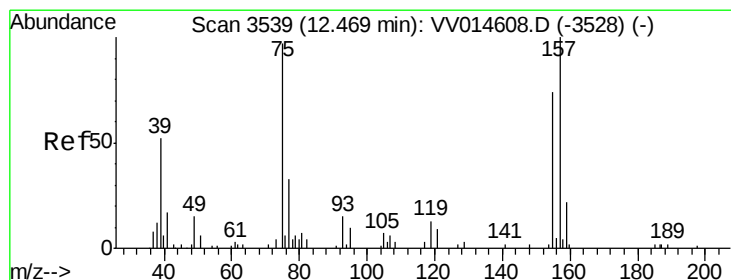
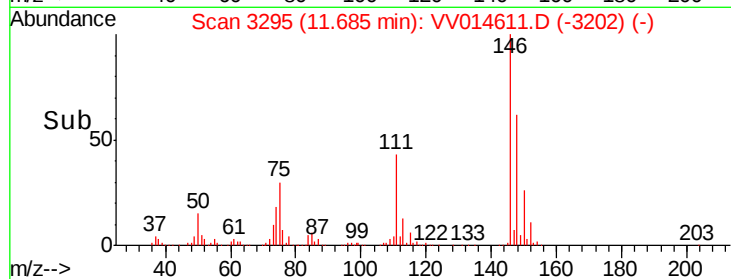
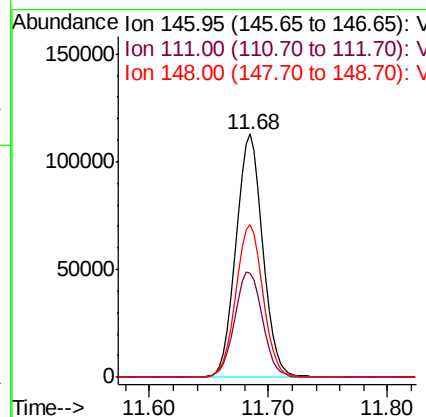
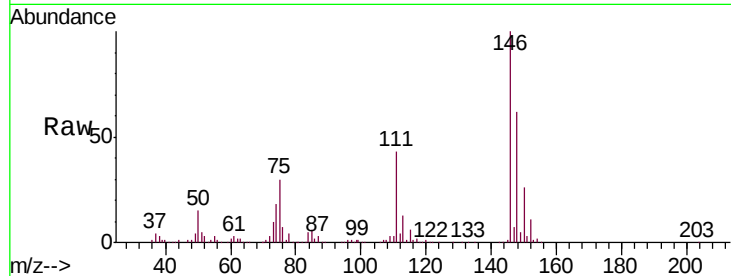




#67
 1,2-Dichlorobenzene
 Concen: 5.340 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

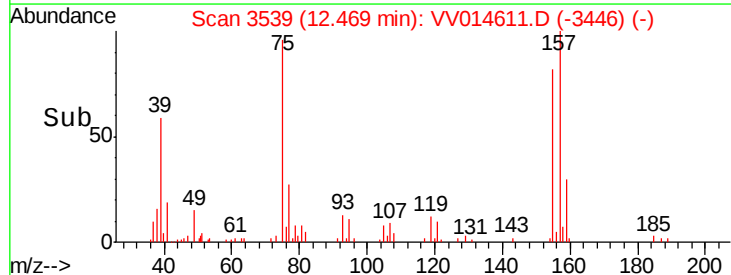
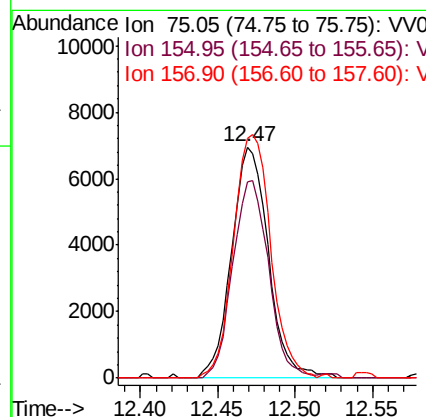
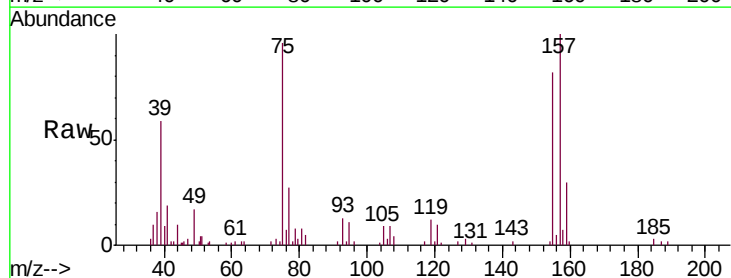
Instrument :
 MSVOA_V
 ClientSampled :
 VICV706

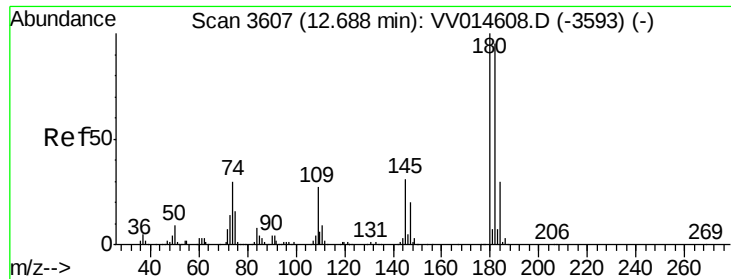
Tgt Ion: 146 Resp: 176043
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.0 52.4
 148 62.5 51.4 77.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.312 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Tgt Ion: 75 Resp: 11491
 Ion Ratio Lower Upper
 75 100
 155 85.1 61.4 92.2
 157 104.0 82.8 124.2

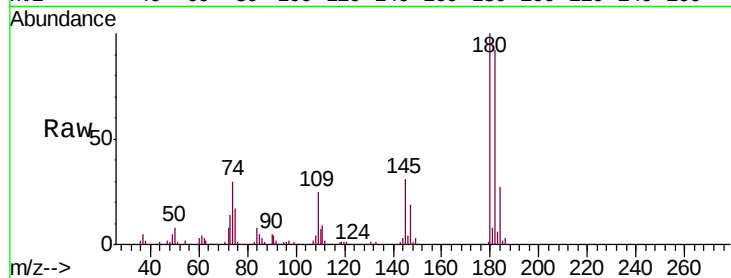




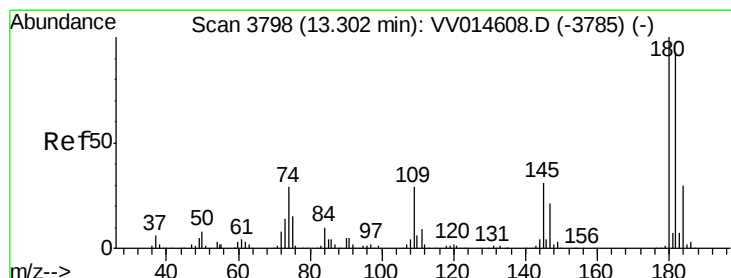
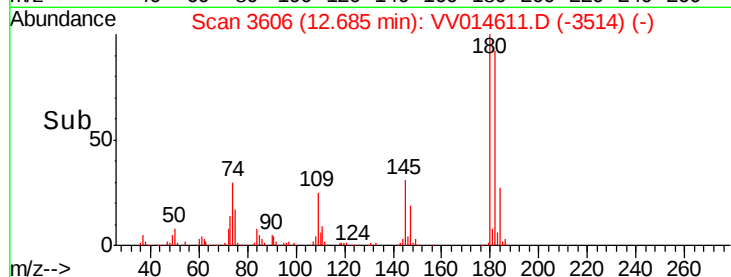
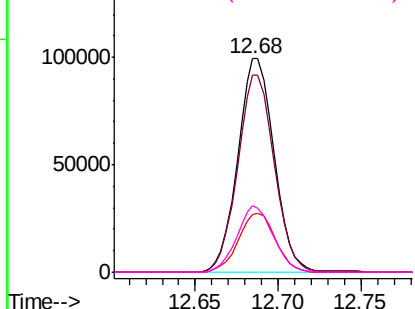
#69
 1,3,5-Trichlorobenzene
 Concen: 5.479 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV706

Tgt Ion:	180	Resp:	151685
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.6	114.8
184	28.4	23.9	35.9
145	31.1	25.4	38.2

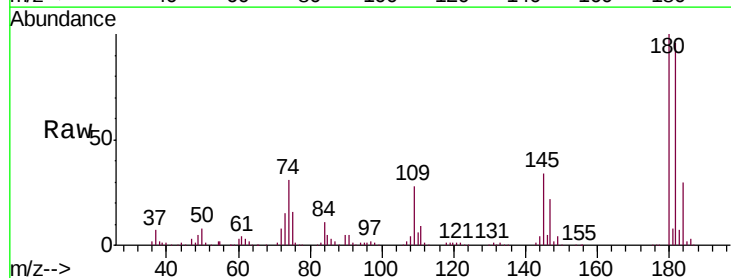


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

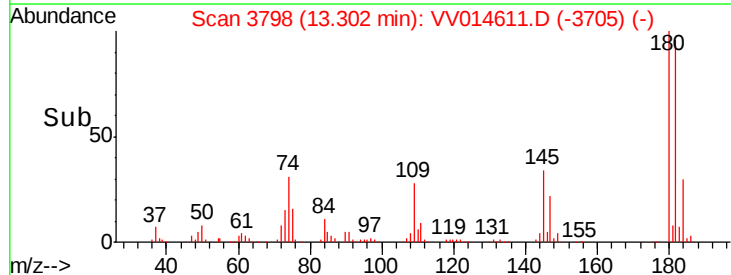
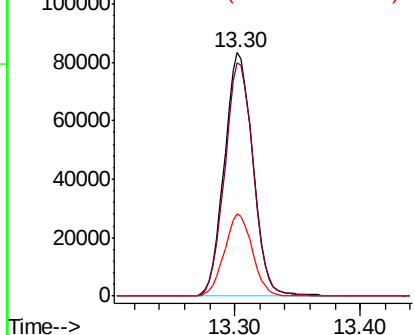


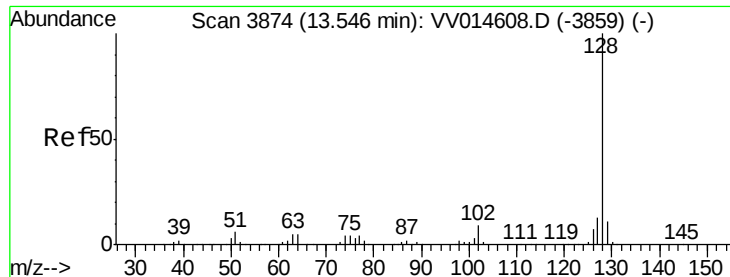
#70
 1,2,4-trichlorobenzene
 Concen: 5.660 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014611.D
 Acq: 19 Feb 2020 16:59

Tgt Ion:	180	Resp:	131264
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.7	113.5
145	32.8	25.1	37.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

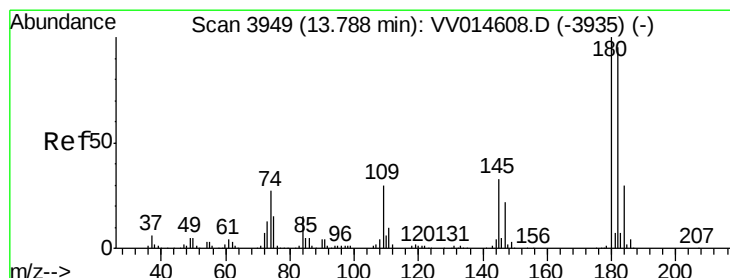
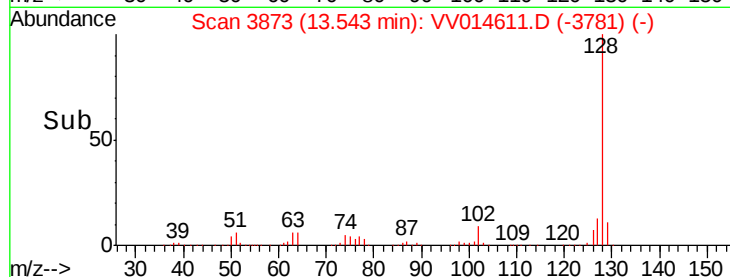
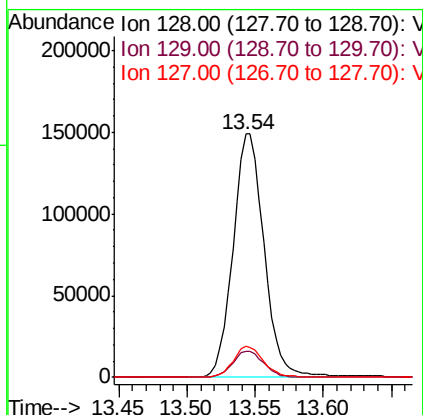
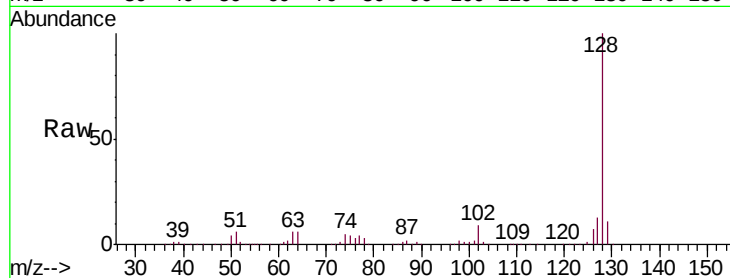




#71
Naphthalene
Concen: 6.005 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

Instrument :
MSVOA_V
ClientSampleId :
VICV706

Tgt Ion:128 Resp: 235430
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.4 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.708 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. -0.00 min
Lab File: VV014611.D
Acq: 19 Feb 2020 16:59

Tgt Ion:180 Resp: 115952
Ion Ratio Lower Upper
180 100
182 95.4 75.0 112.6
145 35.1 26.7 40.1

