

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010220\
 Data File : VV014247.D
 Acq On : 02 Jan 2020 14:17
 Operator : SY/MD
 Sample : VSTD00136
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:03:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jan 02 17:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	877264	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	791705	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	362255	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64282	1.41	ug/L	0.00
7) Chloroethane-d5	1.59	69	47238	1.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	93839	1.20	ug/L	0.00
20) 2-Butanone-d5	3.98	46	144176	12.73	ug/L	0.02
24) Chloroform-d	4.40	84	124128	1.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	59951	1.15	ug/L	0.00
32) Benzene-d6	5.10	84	244707	1.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	76469	1.13	ug/L	0.00
41) Toluene-d8	7.36	98	223722	1.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	32801	1.08	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	139023	11.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52813	1.09	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	70234	1.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66531	0.988 ug/L	99
3) Chloromethane	1.26	50	65924	1.059 ug/L	95
5) Vinyl chloride	1.33	62	58676	0.993 ug/L	96
6) Bromomethane	1.54	94	34037	1.195 ug/L	99
8) Chloroethane	1.60	64	35384	1.119 ug/L	99
9) Trichlorofluoromethane	1.77	101	72911	0.976 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	38135	0.942 ug/L	96
12) 1,1-Dichloroethene	2.14	96	38392	0.967 ug/L	91
13) Acetone	2.23	43	115729	16.617 ug/L	84
14) Carbon disulfide	2.32	76	174117	1.013 ug/L	98
15) Methyl Acetate	2.48	43	23769	1.079 ug/L #	73
16) Methylene chloride	2.54	84	67605	1.031 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	145547	0.994 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	56768	0.931 ug/L	96
19) 1,1-Dichloroethane	3.23	63	115787	1.016 ug/L	100
21) 2-Butanone	4.06	43	147715	11.814 ug/L #	72
22) cis-1,2-Dichloroethene	3.96	96	63386	0.956 ug/L #	96
23) Bromochloromethane	4.30	128	23235	0.902 ug/L	95
25) Chloroform	4.43	83	108140	0.952 ug/L	99
27) 1,2-Dichloroethane	5.18	62	64387	0.990 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	94846	0.985 ug/L	99
30) Cyclohexane	4.73	56	102954	0.967 ug/L	98
31) Carbon tetrachloride	4.88	117	81909	0.994 ug/L	97
33) Benzene	5.15	78	244544	0.994 ug/L	100
34) Trichloroethene	5.96	95	62239	0.954 ug/L	95
35) Methylcyclohexane	6.17	83	99065	0.902 ug/L	98
37) 1,2-Dichloropropane	6.22	63	57398	0.959 ug/L #	96
38) Bromodichloromethane	6.55	83	78003	0.977 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	98493	1.001 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	395413	10.468 ug/L	99

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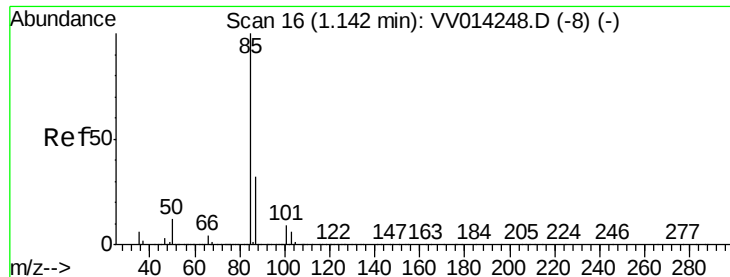
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:03:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	260302	0.967	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	73500	0.951	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	39037	0.961	ug/L	98
47) Tetrachloroethene	8.02	164	43421	0.953	ug/L	94
48) 2-Hexanone	8.19	43	263661	10.088	ug/L	99
49) Dibromochloromethane	8.29	129	49504	0.959	ug/L	98
50) 1,2-Dibromoethane	8.40	107	38025	0.969	ug/L #	95
51) Chlorobenzene	8.92	112	156439	0.942	ug/L	96
52) Ethylbenzene	9.05	91	287885	0.963	ug/L	99
53) m,p-xylene	9.18	106	107065	0.955	ug/L	97
54) o-xylene	9.58	106	105547	0.967	ug/L	99
55) Styrene	9.60	104	171781	0.935	ug/L	99
56) Isopropylbenzene	9.97	105	271433	0.945	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	48030	0.968	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	37396	1.016	ug/L	95
61) Bromoform	9.77	173	24965	0.946	ug/L	95
62) 1,3-Dichlorobenzene	11.22	146	111527	0.933	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	110415	0.925	ug/L	96
65) 1,2-Dichlorobenzene	11.68	146	103351	0.947	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	10728	1.166	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	80163	0.921	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	71655	0.937	ug/L	100
69) Naphthalene	13.55	128	144260	1.013	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	63569	0.951	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.988 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

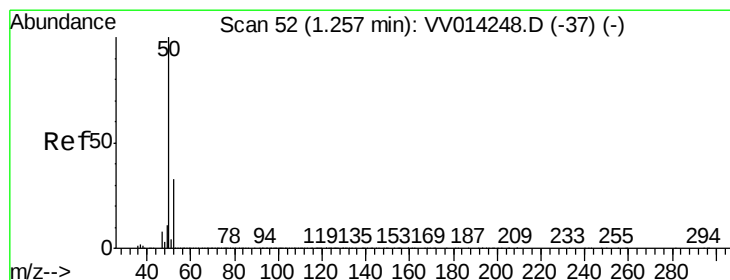
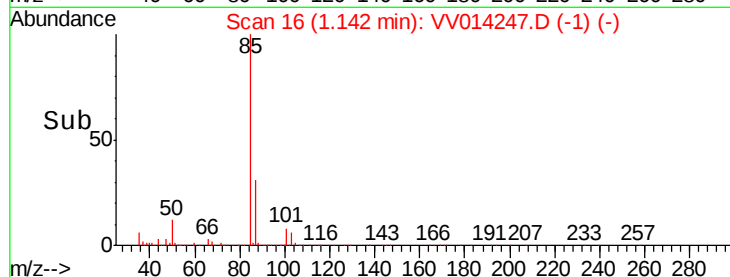
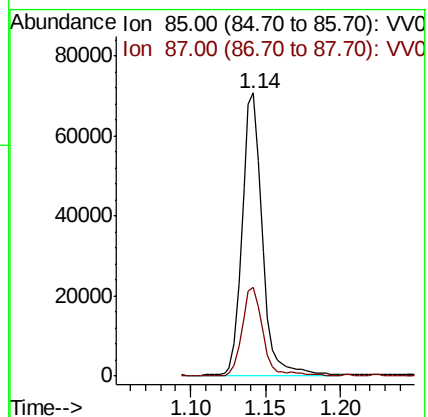
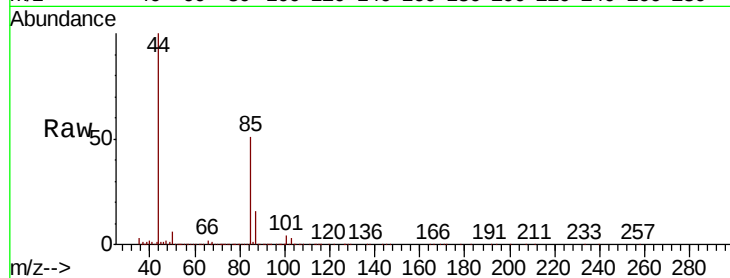
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 66531

Ion Ratio Lower Upper

85 100

87 31.5 25.8 38.6



#3

Chloromethane

Concen: 1.059 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014247.D

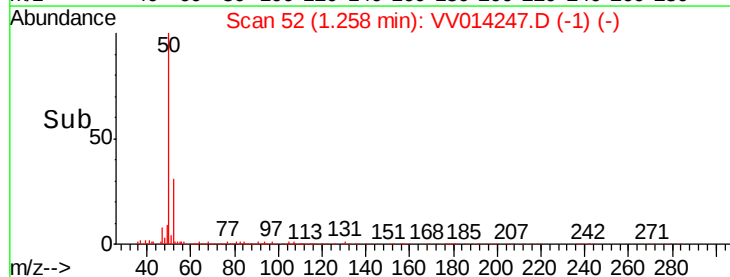
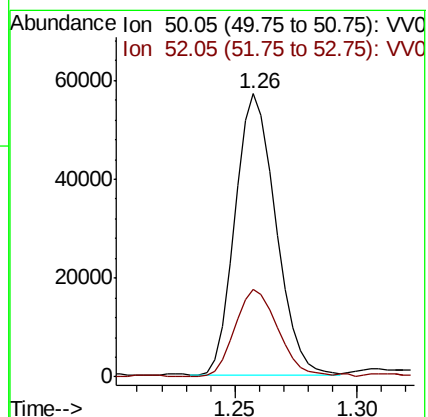
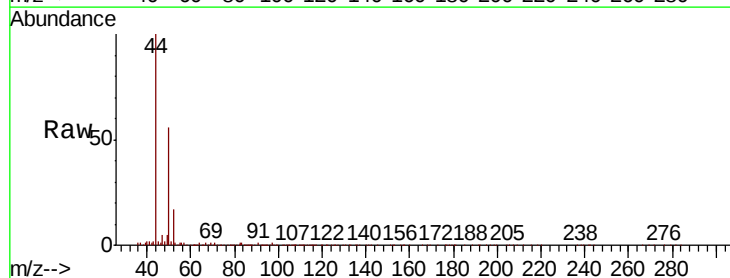
Acq: 02 Jan 2020 14:17

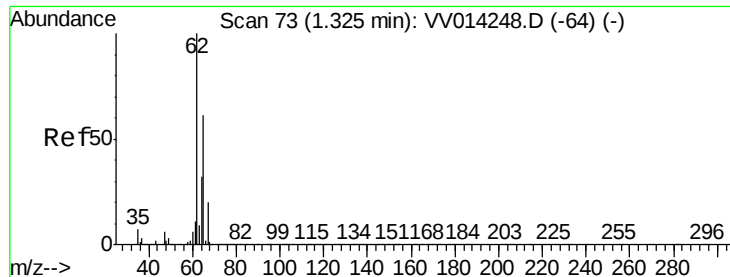
Tgt Ion: 50 Resp: 65924

Ion Ratio Lower Upper

50 100

52 30.7 23.4 43.4





#5

Vinyl chloride

Concen: 0.993 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

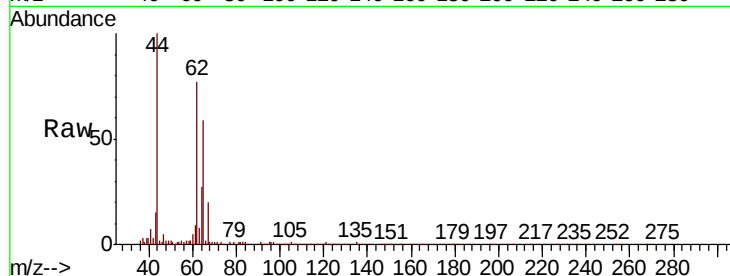
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 58676

Ion Ratio Lower Upper

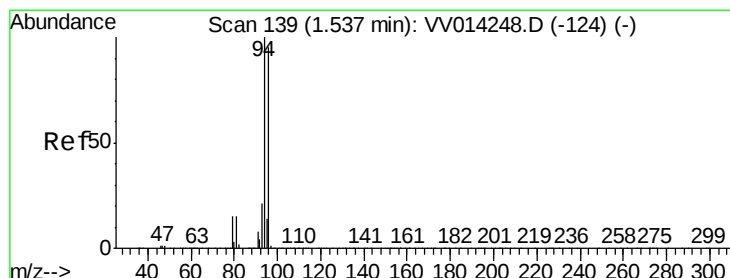
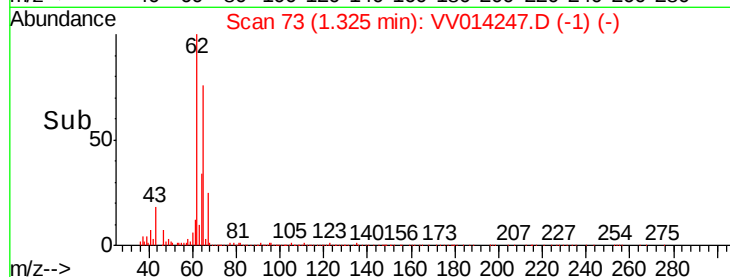
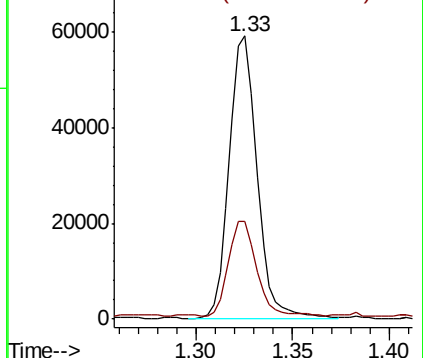
62 100

64 34.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 1.195 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014247.D

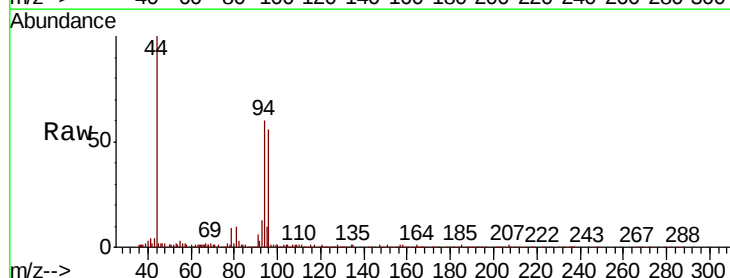
Acq: 02 Jan 2020 14:17

Tgt Ion: 94 Resp: 34037

Ion Ratio Lower Upper

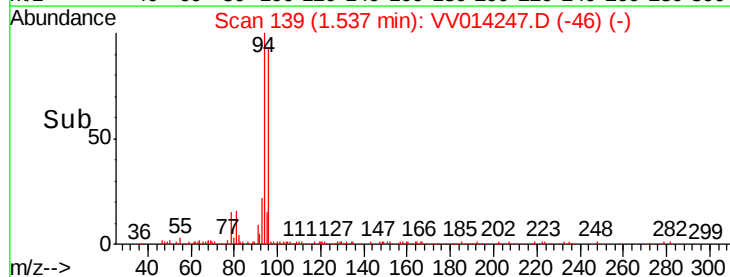
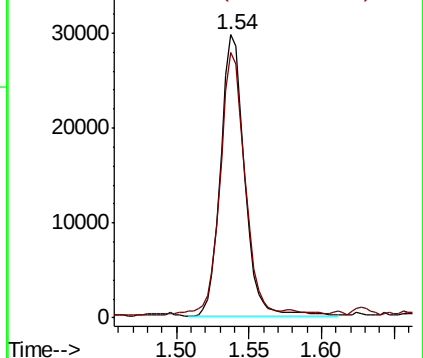
94 100

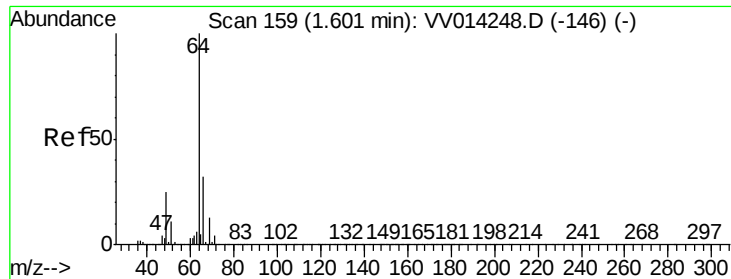
96 93.7 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.119 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

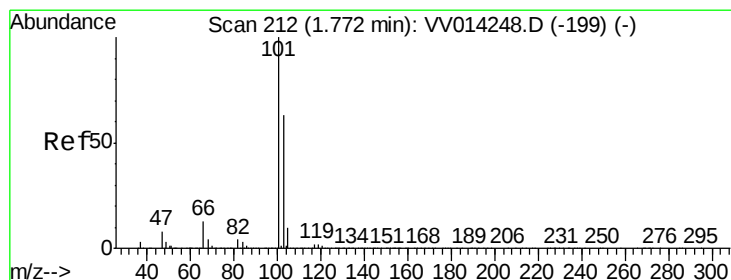
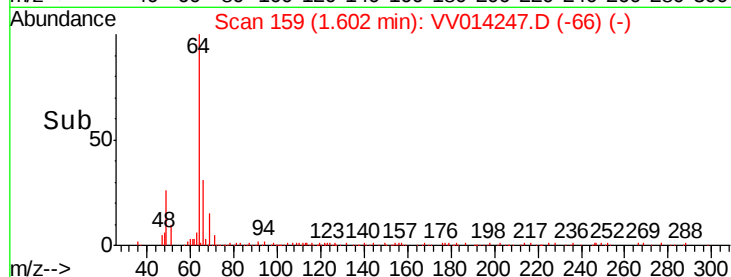
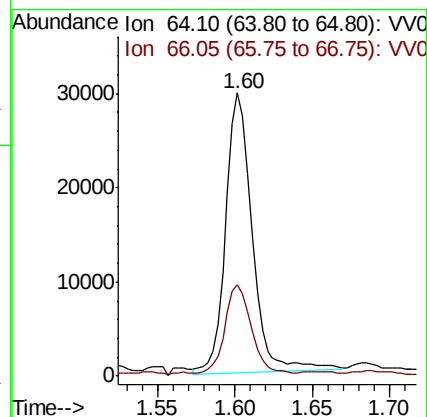
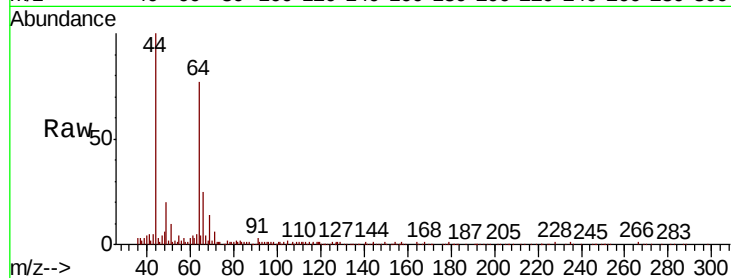
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 35384

Ion Ratio Lower Upper

64 100

66 32.3 23.0 42.6



#9

Trichlorofluoromethane

Concen: 0.976 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014247.D

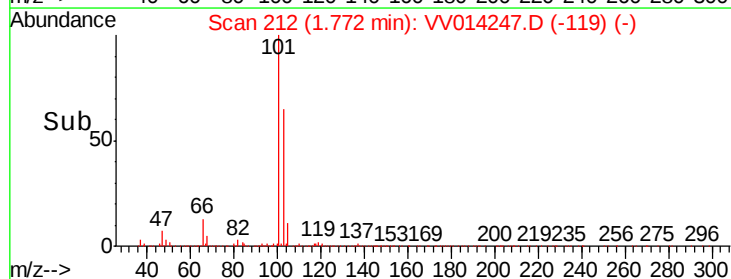
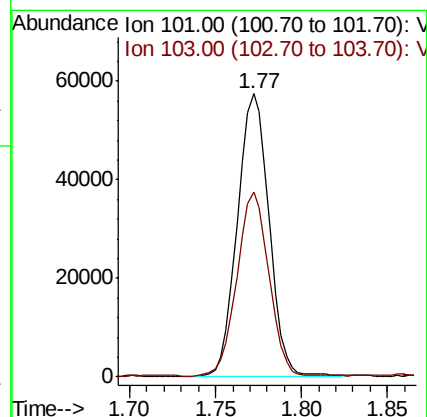
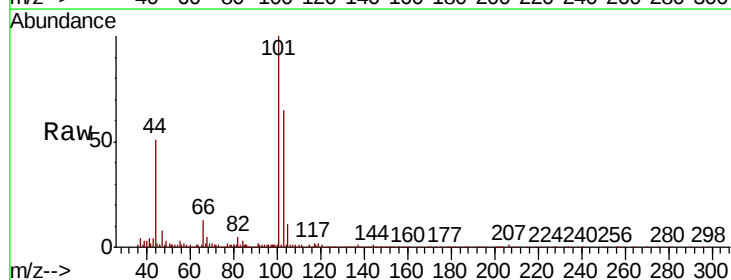
Acq: 02 Jan 2020 14:17

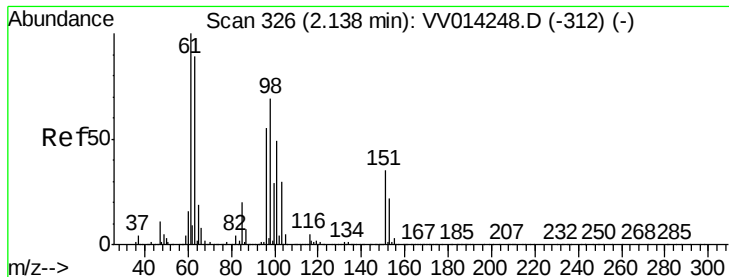
Tgt Ion: 101 Resp: 72911

Ion Ratio Lower Upper

101 100

103 67.5 51.8 77.6





#10

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

Concen: 0.942 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

ClientSampleId :

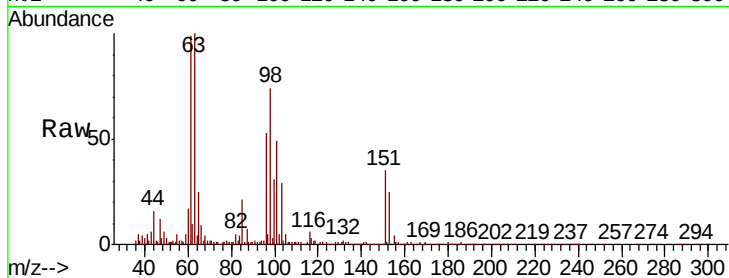
Tot Ion:101 Resp: 38135

Ion Ratio Lower Upper

101 100

85 45.2 34.0 51.0

151 75.5 57.9 86.9

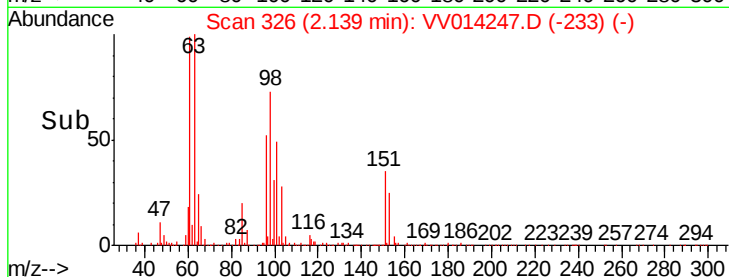


Abundance Ion 101.00 (100.70 to 101.70): VV014247.D (-233) (-)

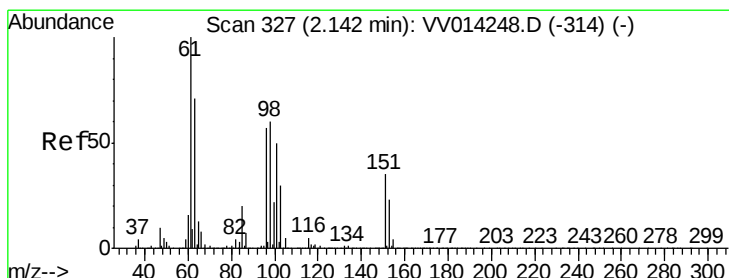
Ion 85.00 (84.70 to 85.70): VV014247.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV014247.D (-233) (-)

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 0.967 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

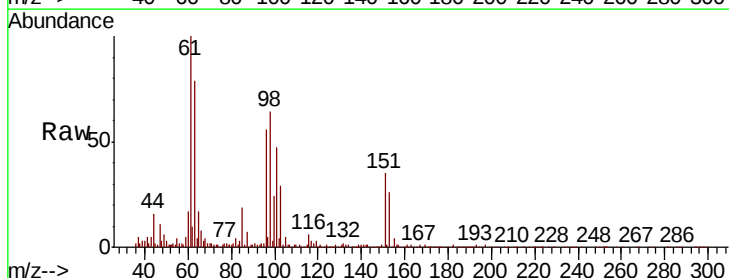
Tgt Ion: 96 Resp: 38392

Ion Ratio Lower Upper

96 100

61 179.8 121.7 226.1

63 141.7 86.9 161.3

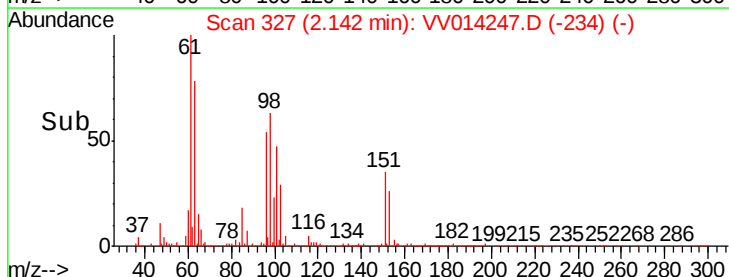


Abundance Ion 96.00 (95.70 to 96.70): VV014247.D (-234) (-)

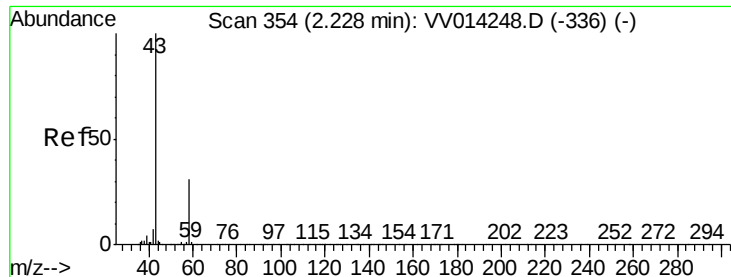
Ion 61.05 (60.75 to 61.75): VV014247.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV014247.D (-234) (-)

Time-->



Time-->



#13

Acetone

Concen: 16.617 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

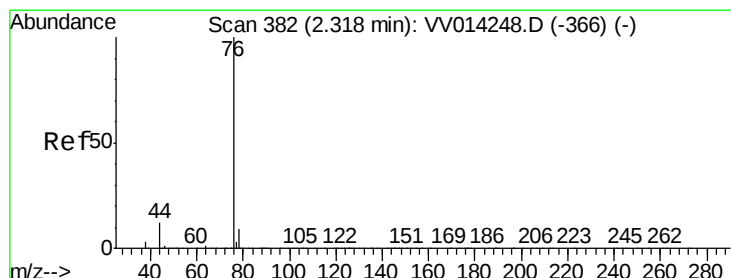
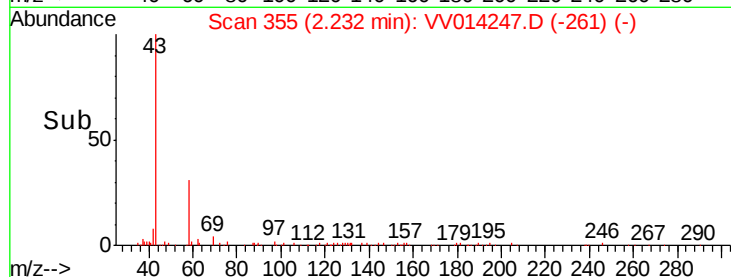
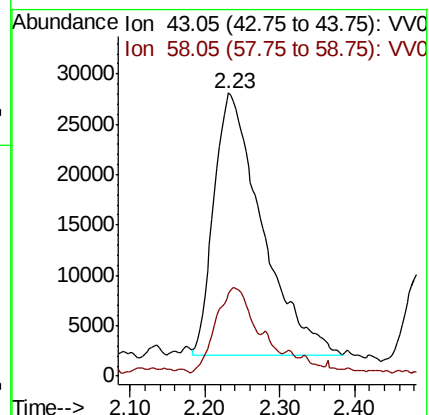
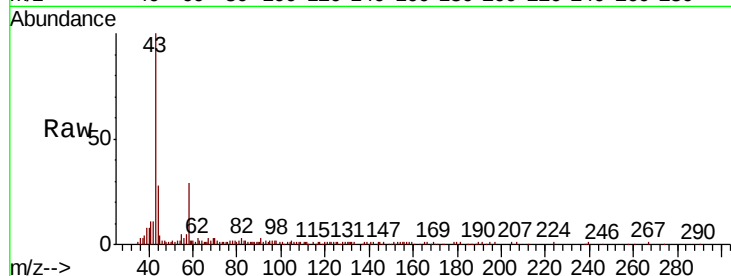
Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 115729

Ion	Ratio	Lower	Upper
43	100		
58	23.9	0.0	66.4



#14

Carbon disulfide

Concen: 1.013 ug/L

RT: 2.32 min Scan# 382

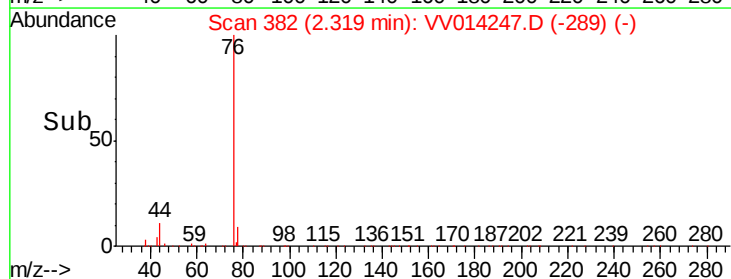
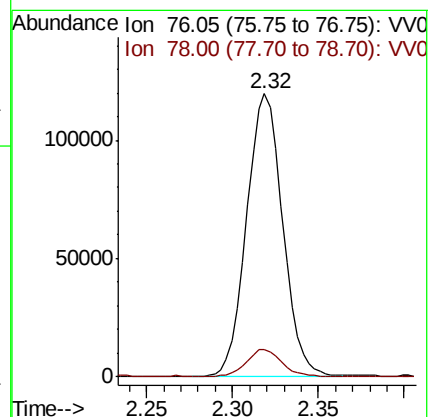
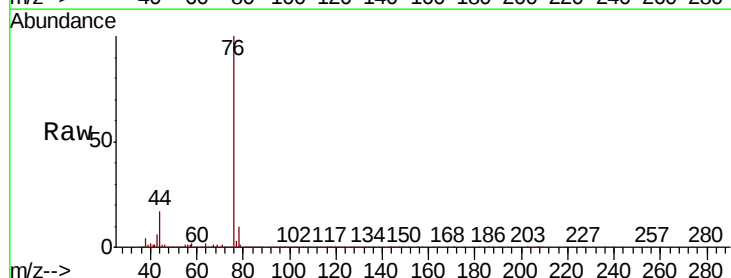
Delta R.T. 0.00 min

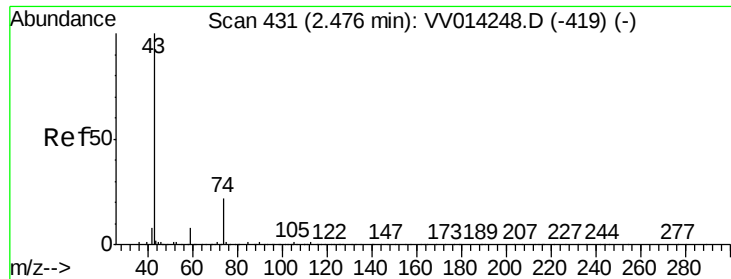
Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Tgt Ion: 76 Resp: 174117

Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9





#15

Methyl Acetate

Concen: 1.079 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.01 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

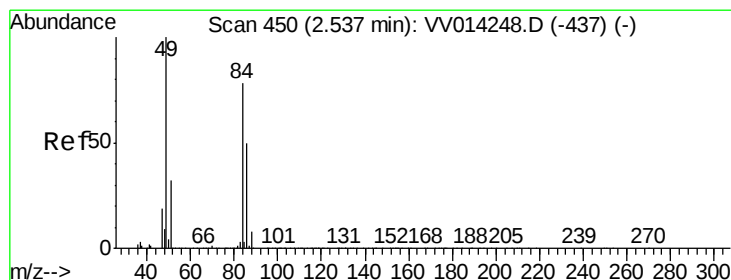
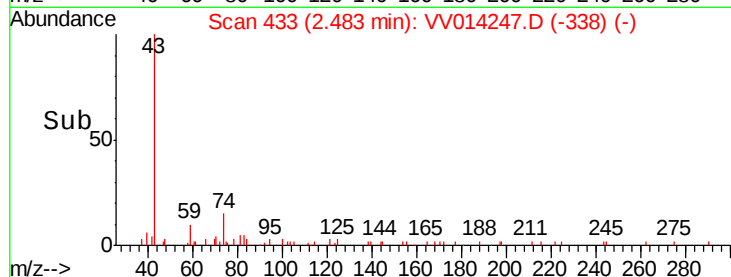
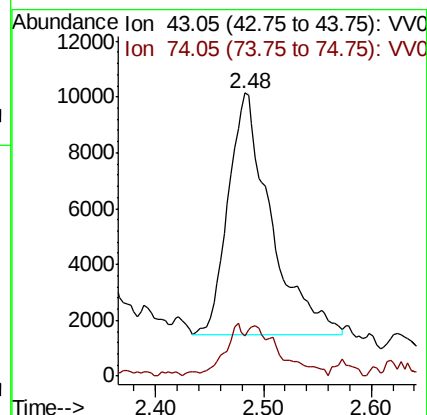
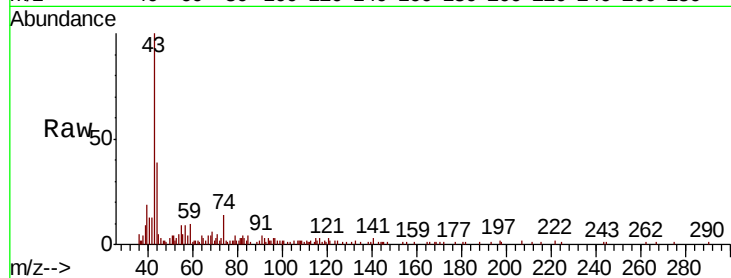
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 23769

Ion Ratio Lower Upper

43 100

74 8.6 17.1 25.7#



#16

Methylene chloride

Concen: 1.031 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

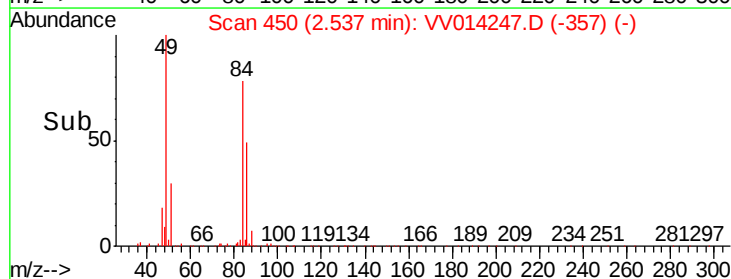
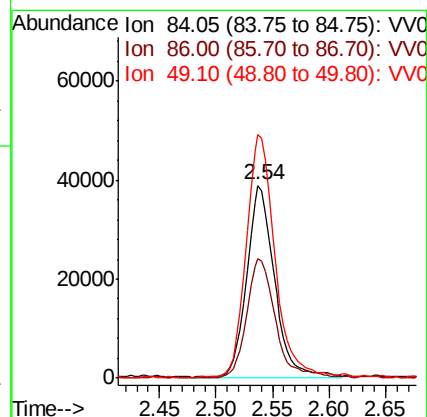
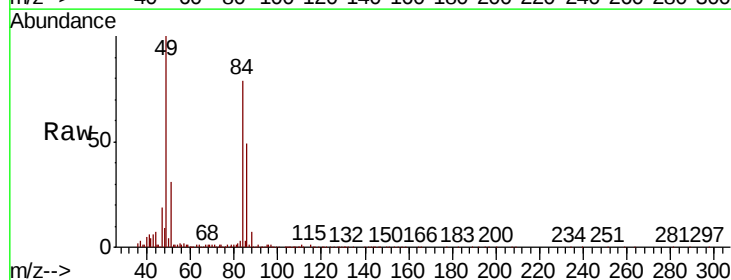
Tgt Ion: 84 Resp: 67605

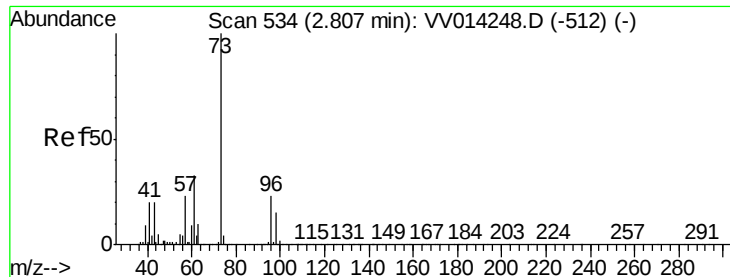
Ion Ratio Lower Upper

84 100

86 61.9 45.2 84.0

49 126.1 89.7 166.5

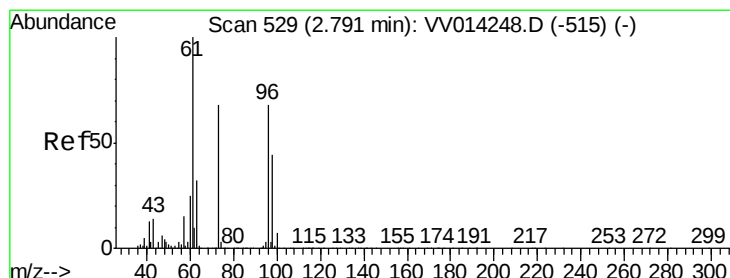
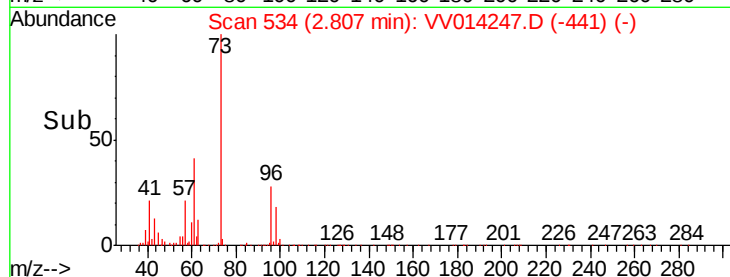
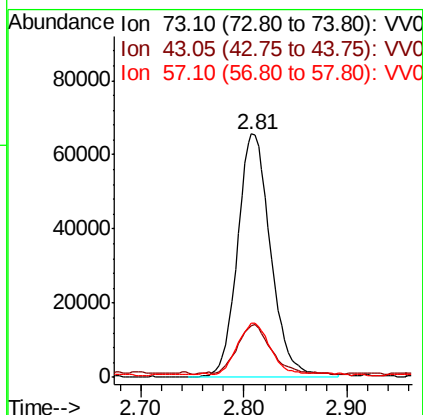
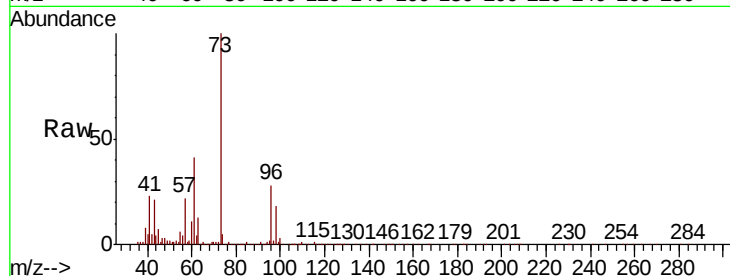




#17
Methvl tert-butvl Ether
Concen: 0.994 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

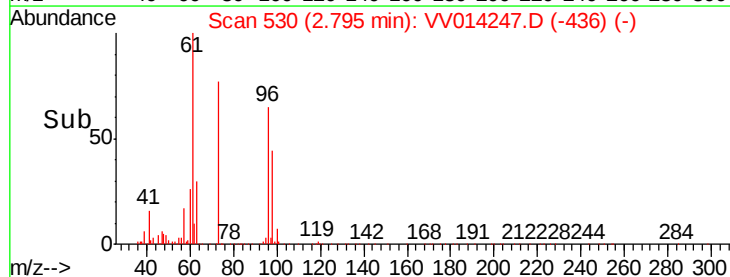
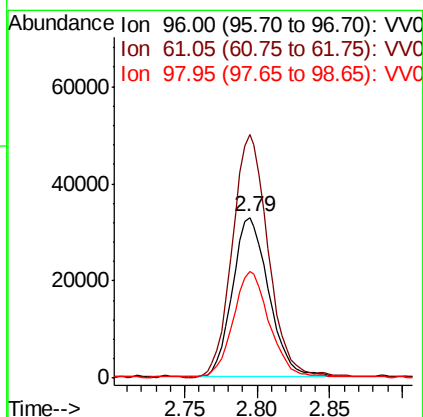
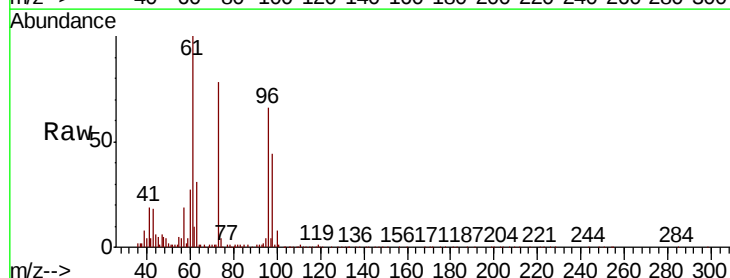
Instrument :
MSVOA_V
ClientSampleId :

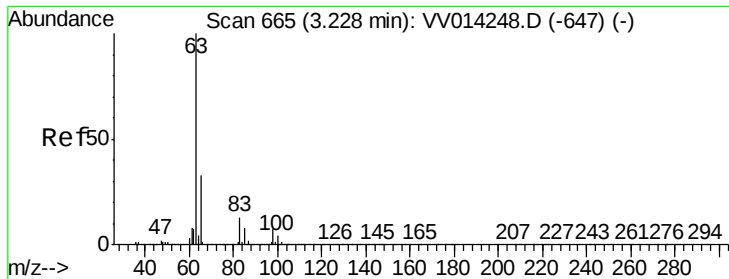
Tot Ion: 73 Resp: 145547
Ion Ratio Lower Upper
73 100
43 20.4 15.8 23.6
57 20.6 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 0.931 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

Tgt Ion: 96 Resp: 56768
Ion Ratio Lower Upper
96 100
61 151.5 102.7 190.7
98 66.5 44.7 83.1





#19

1,1-Dichloroethane

Concen: 1.016 ug/L

RT: 3.23 min Scan# 666

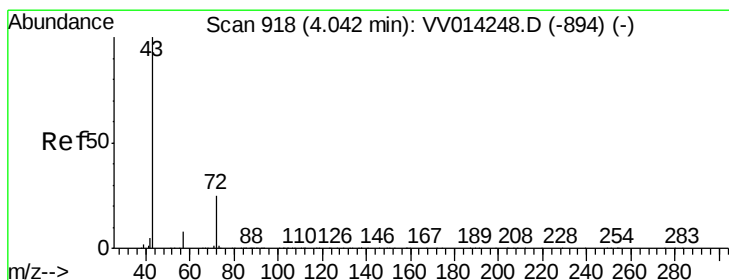
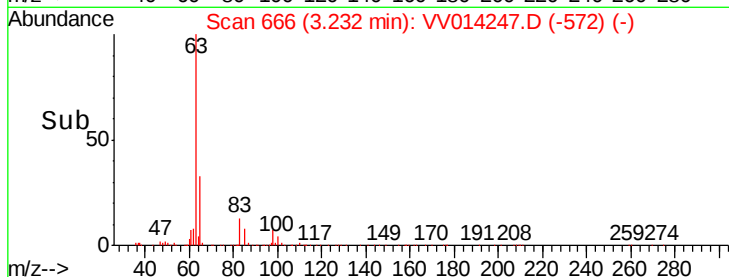
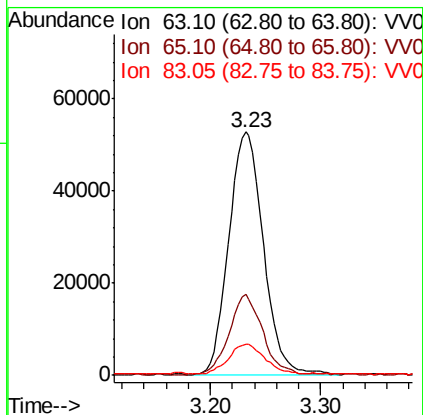
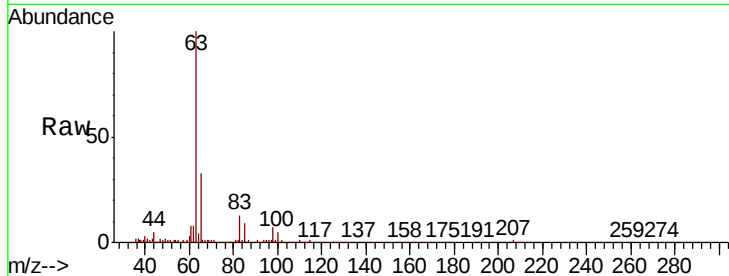
Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	115787
Ion	Ratio	Lower	Upper
63	100		
65	33.0	23.2	43.0
83	13.0	9.1	16.9



#21

2-Butanone

Concen: 11.814 ug/L

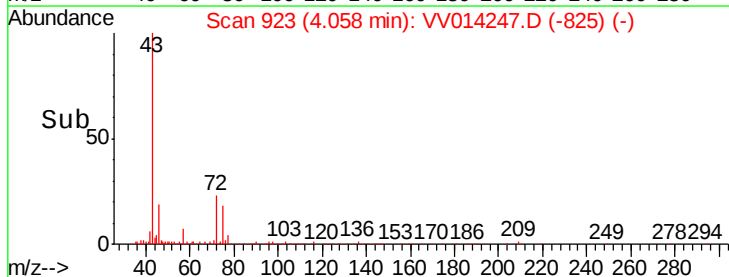
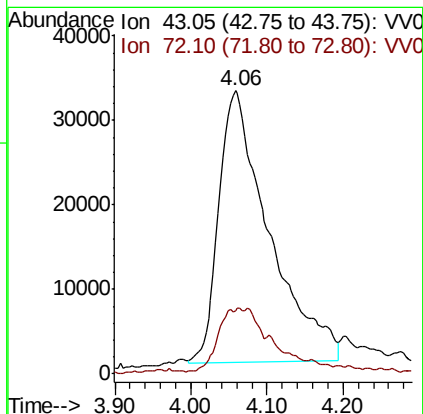
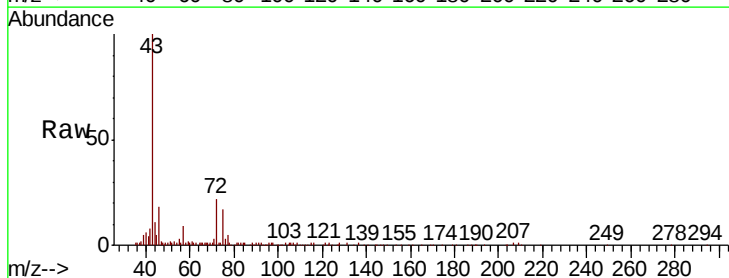
RT: 4.06 min Scan# 923

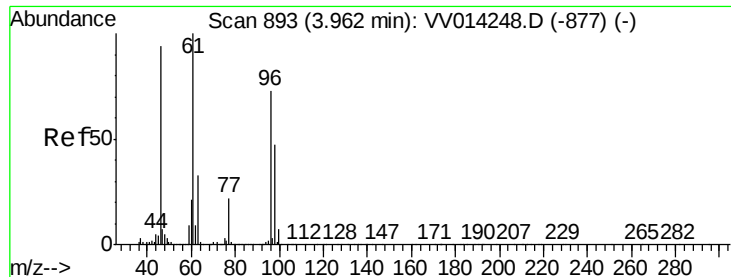
Delta R.T. 0.02 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Tgt Ion:	43	Resp:	147715
Ion	Ratio	Lower	Upper
43	100		
72	11.1	12.4	37.4#



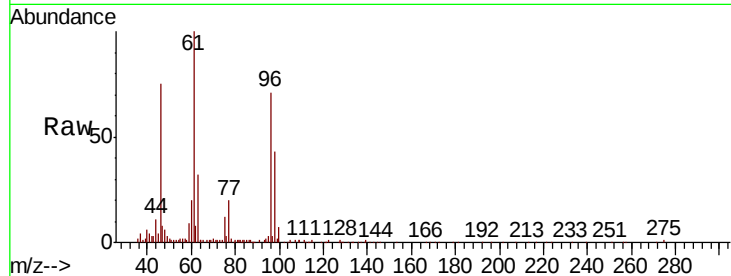


#22

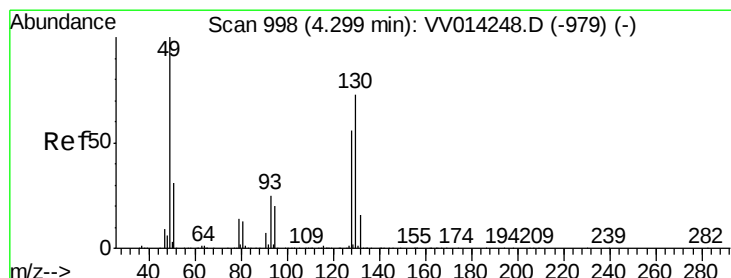
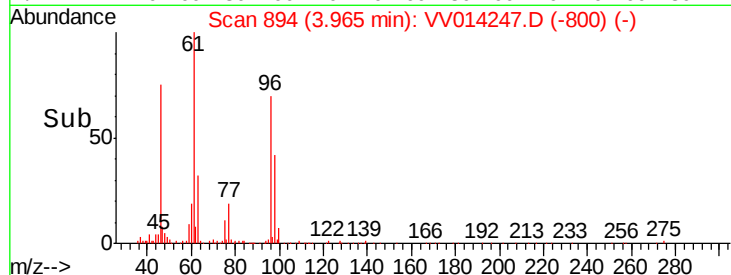
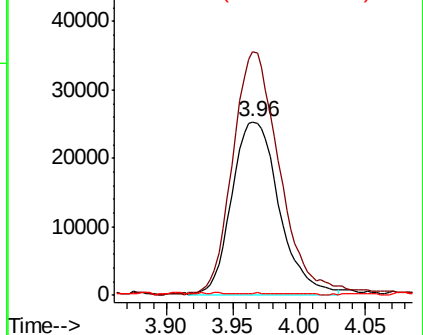
cis-1,2-Dichloroethene
 Concen: 0.956 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 63386
 Ion Ratio Lower Upper
 96 100
 61 140.4 95.3 176.9
 68 0.8 0.1 0.3#



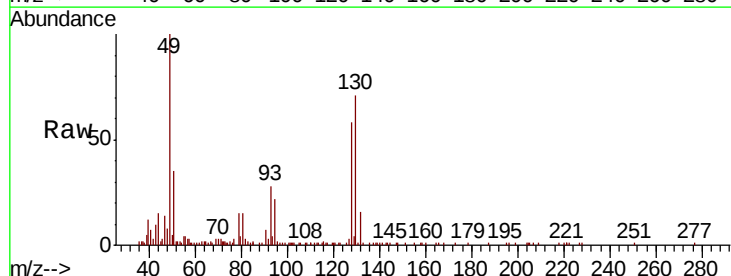
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



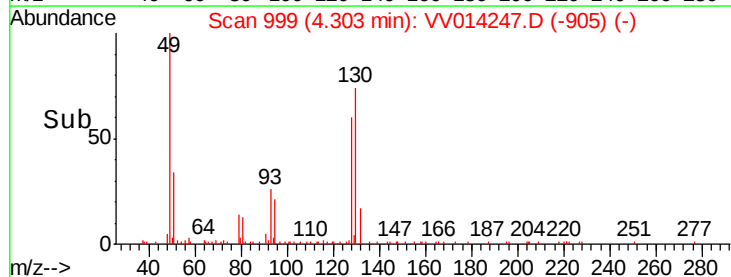
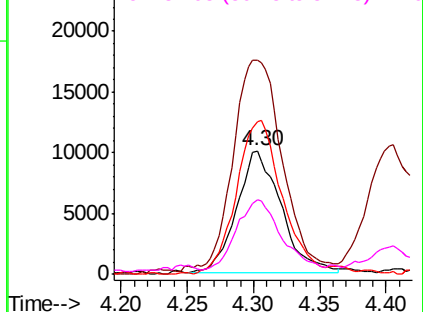
#23

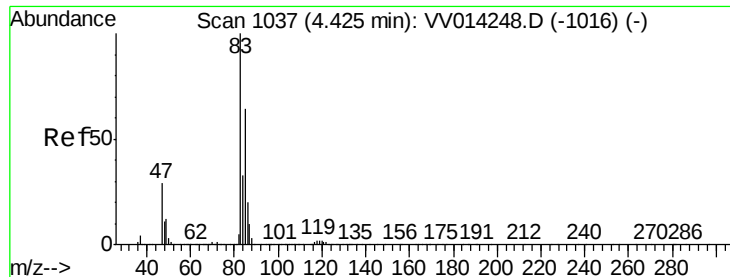
Bromochloromethane
 Concen: 0.902 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Tgt Ion: 128 Resp: 23235
 Ion Ratio Lower Upper
 128 100
 49 173.4 125.6 233.2
 130 124.0 91.6 170.2
 51 60.6 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

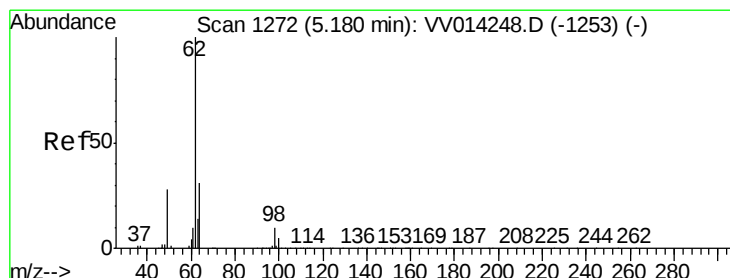
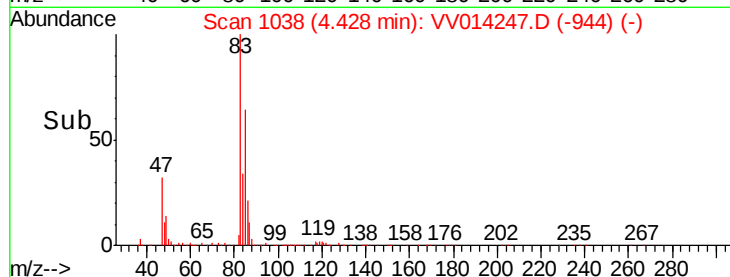
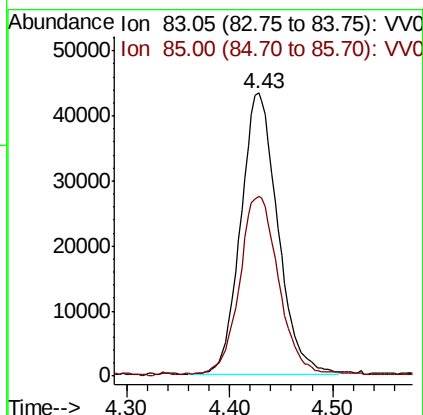
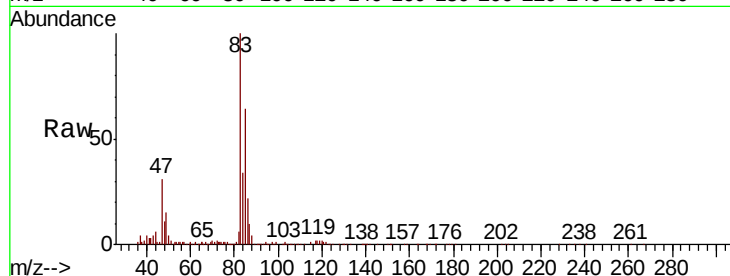




#25
Chloroform
Concen: 0.952 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

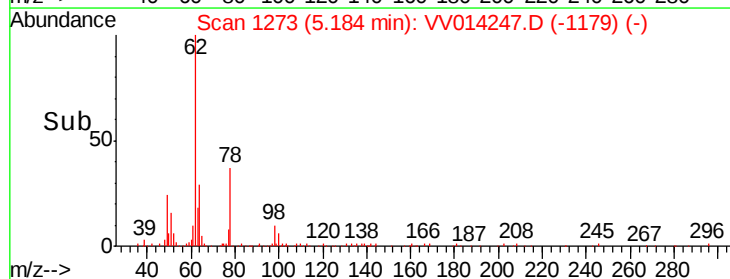
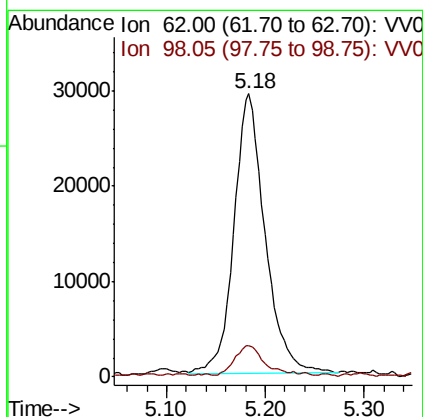
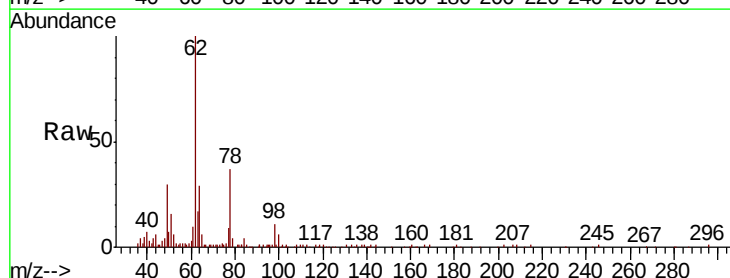
Instrument :
MSVOA_V
ClientSampleId :

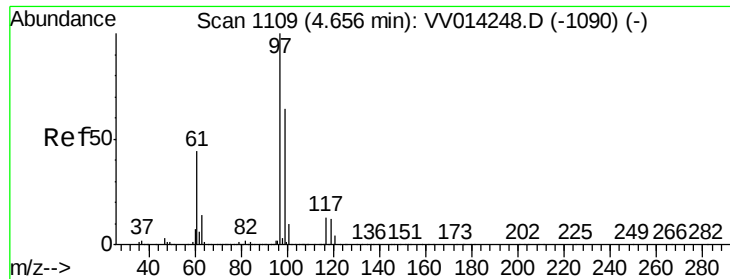
Tot Ion: 83 Resp: 108140
Ion Ratio Lower Upper
83 100
85 63.6 44.8 83.2



#27
1,2-Dichloroethane
Concen: 0.990 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

Tgt Ion: 62 Resp: 64387
Ion Ratio Lower Upper
62 100
98 11.0 7.6 11.4

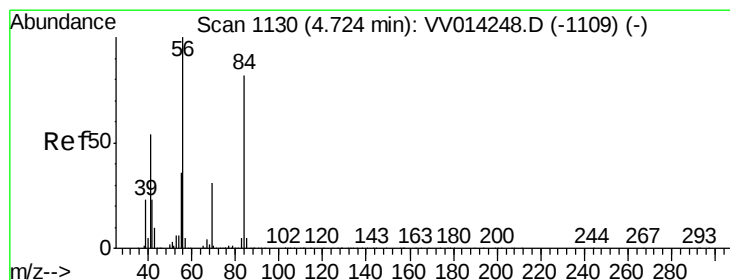
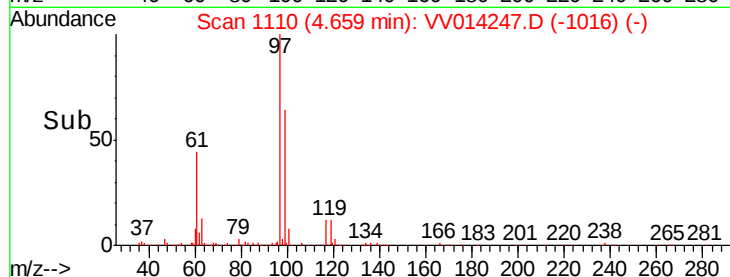
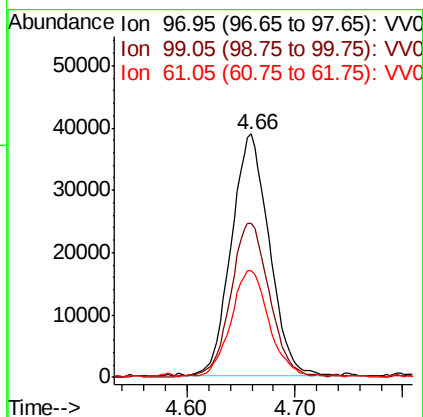
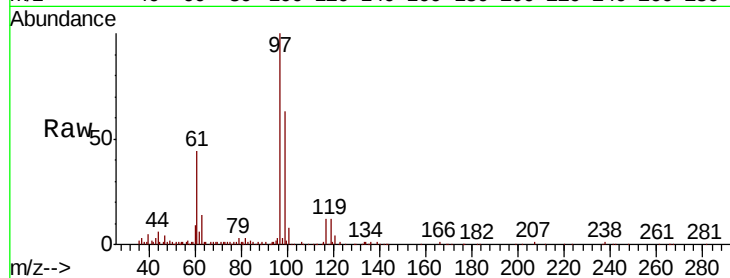




#29
1,1,1-Trichloroethane
Concen: 0.985 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

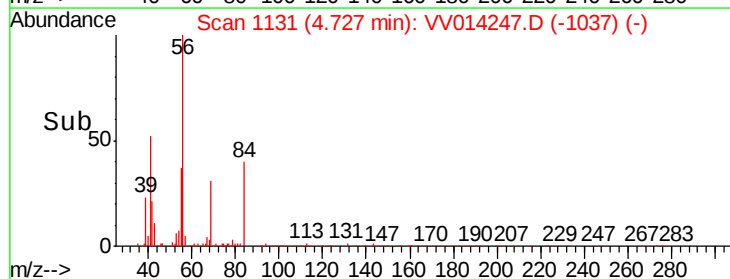
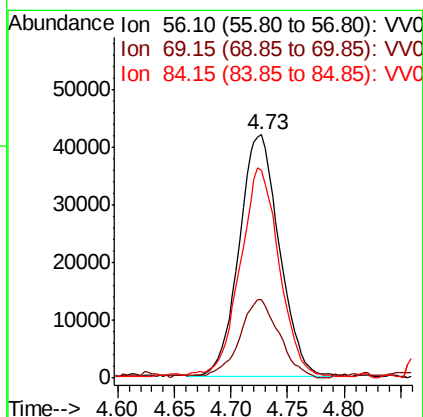
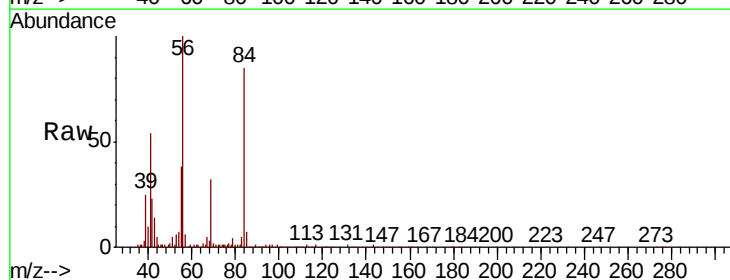
Instrument :
MSVOA_V
ClientSampleId :

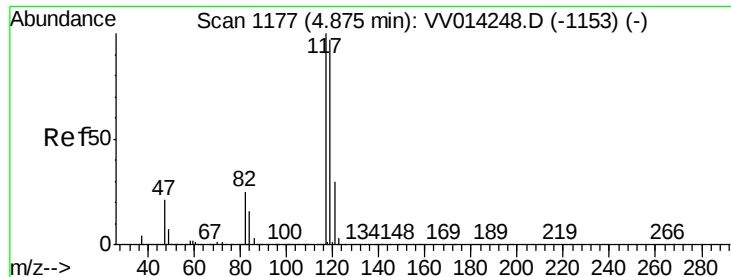
Tot Ion	97	Resp	94846
Ion Ratio	100	Lower	Upper
99	65.3	50.9	76.3
61	43.3	34.9	52.3



#30
Cyclohexane
Concen: 0.967 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

Tgt Ion	56	Resp	102954
Ion Ratio	100	Lower	Upper
69	32.5	24.0	36.0
84	83.9	66.0	99.0





#31

Carbon tetrachloride

Concen: 0.994 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

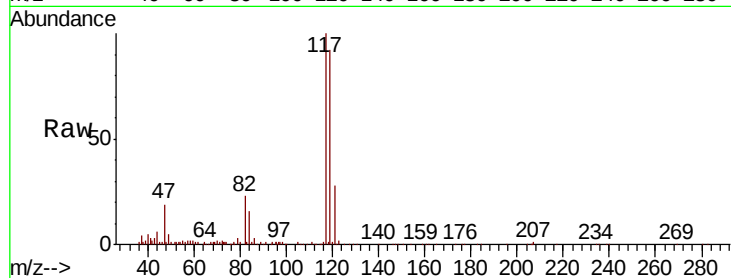
ClientSampleId :

Tot Ion:117 Resp: 81909

Ion Ratio Lower Upper

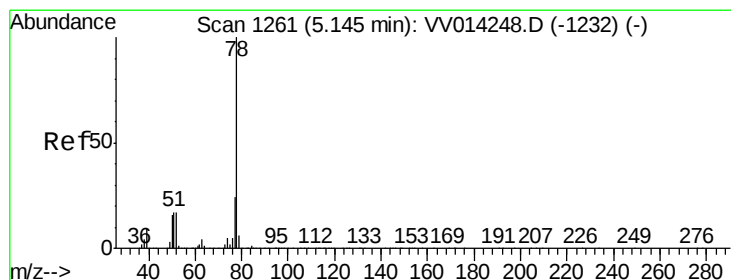
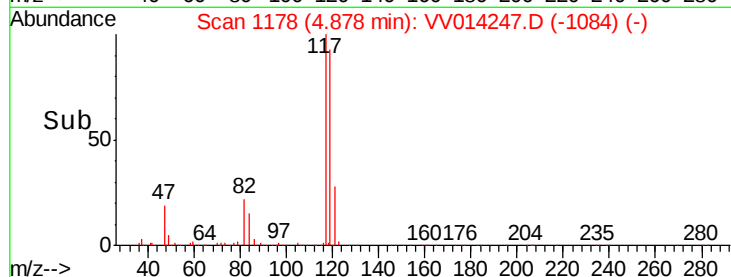
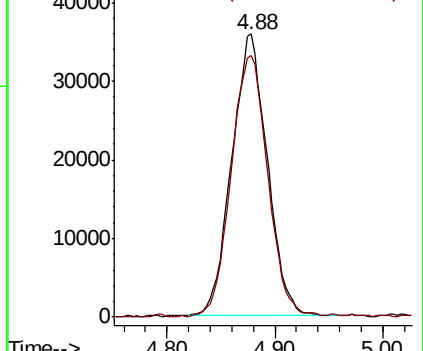
117 100

119 96.8 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.994 ug/L

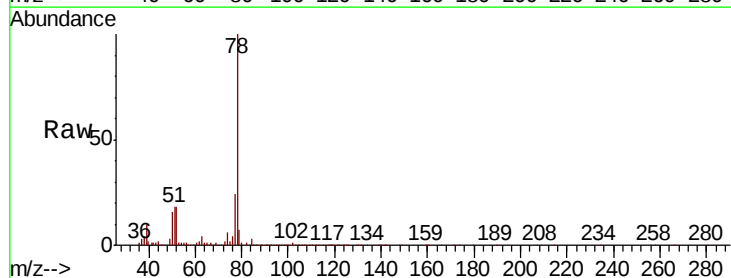
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

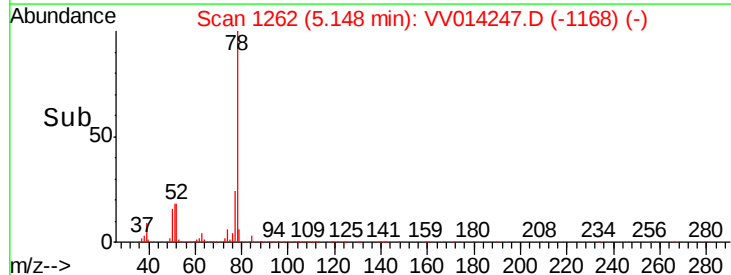
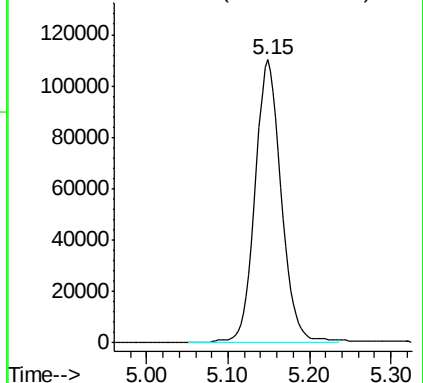
Lab File: VV014247.D

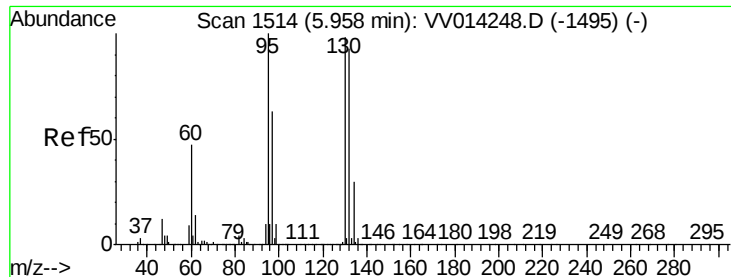
Acq: 02 Jan 2020 14:17

Tgt Ion: 78 Resp: 244544



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.954 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 62239

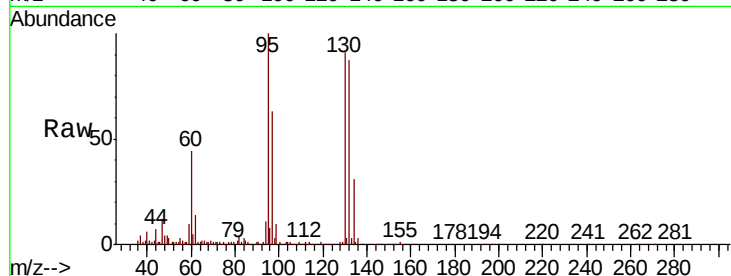
Ion Ratio Lower Upper

95 100

97 62.6 44.2 82.2

132 87.2 65.2 121.0

130 91.5 68.7 127.7

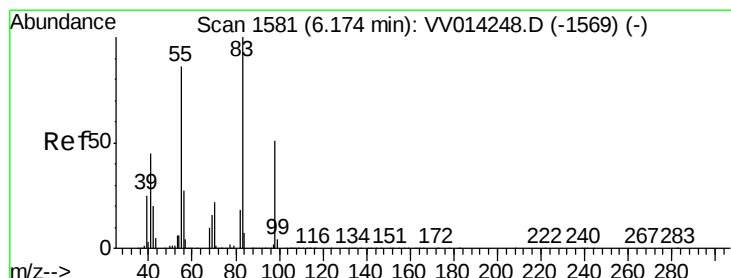
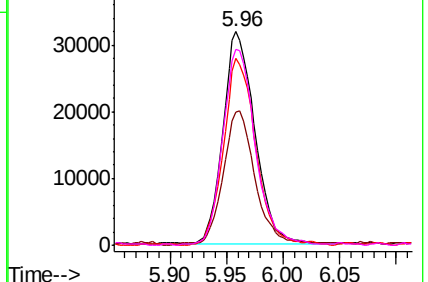
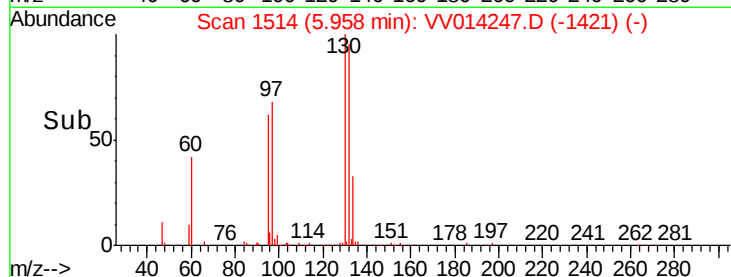


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.902 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

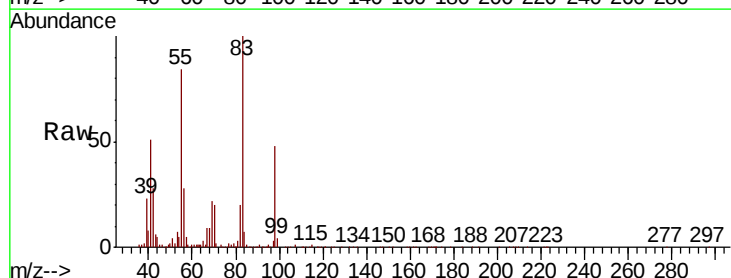
Tgt Ion: 83 Resp: 99065

Ion Ratio Lower Upper

83 100

55 82.4 65.0 97.4

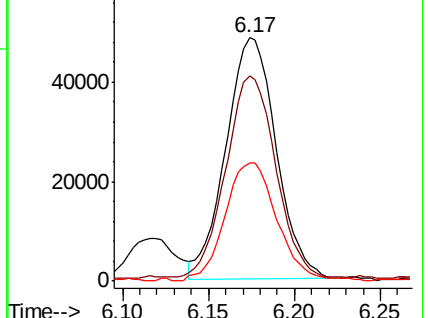
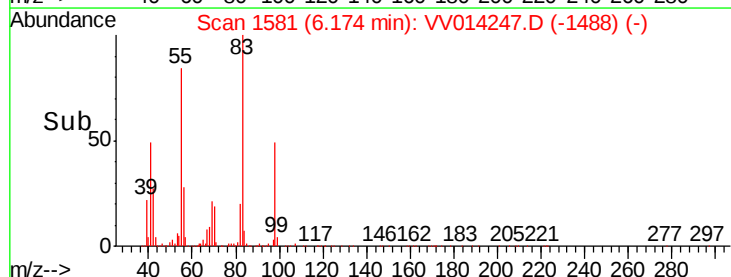
98 50.4 38.5 57.7

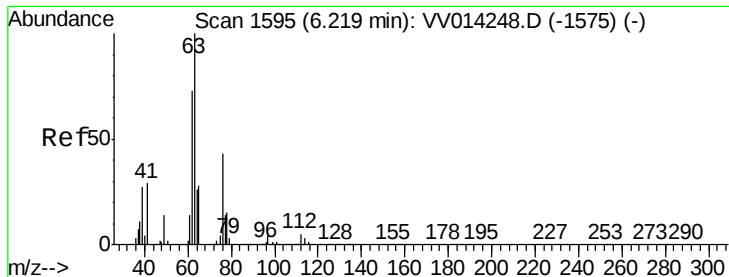


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

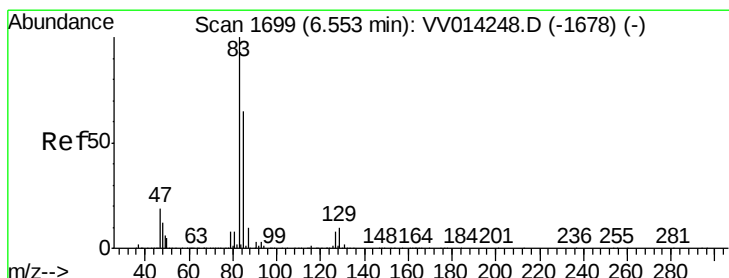
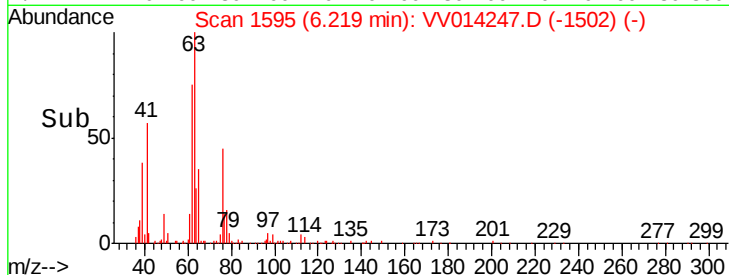
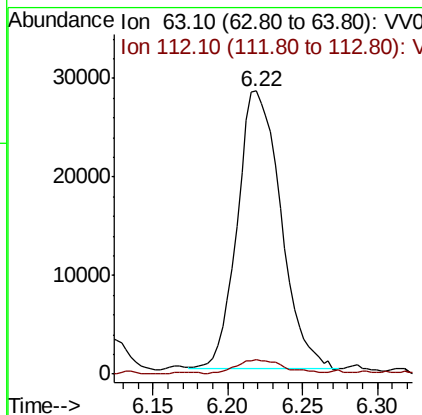
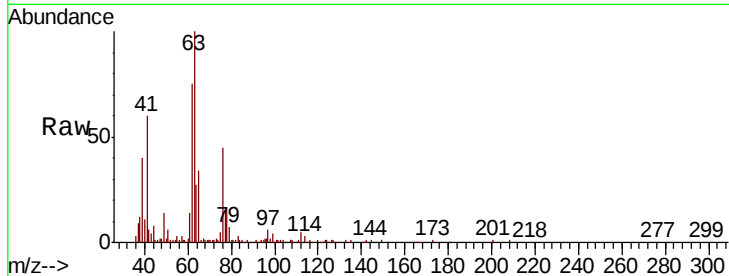




#37
 1,2-Dichloropropane
 Concen: 0.959 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

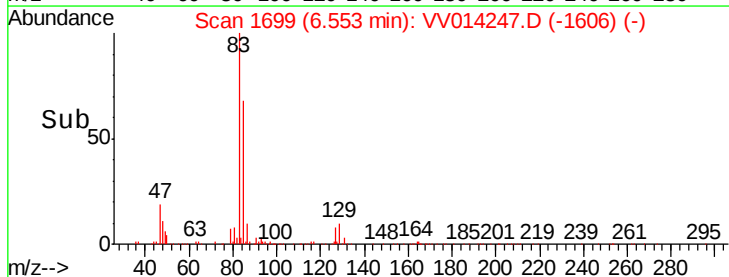
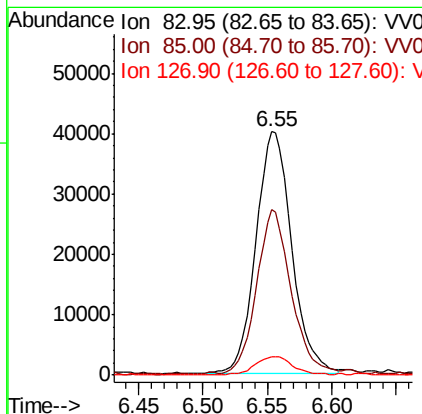
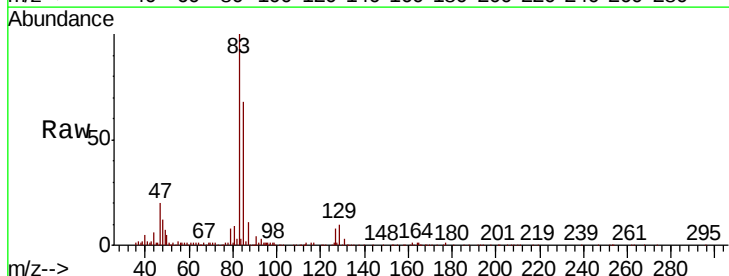
Instrument :
 MSVOA_V
 ClientSampleId :

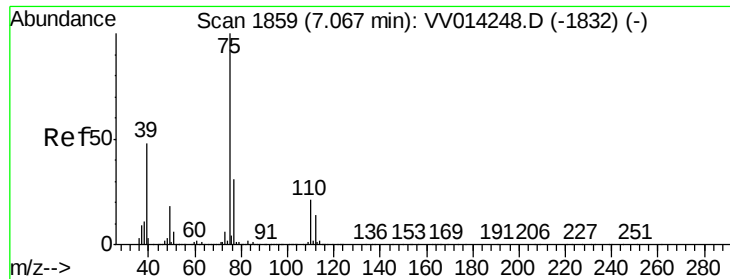
Tot Ion: 63 Resp: 57398
 Ion Ratio Lower Upper
 63 100
 112 5.8 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.977 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Tgt Ion: 83 Resp: 78003
 Ion Ratio Lower Upper
 83 100
 85 67.8 45.2 84.0
 127 7.6 6.4 9.6



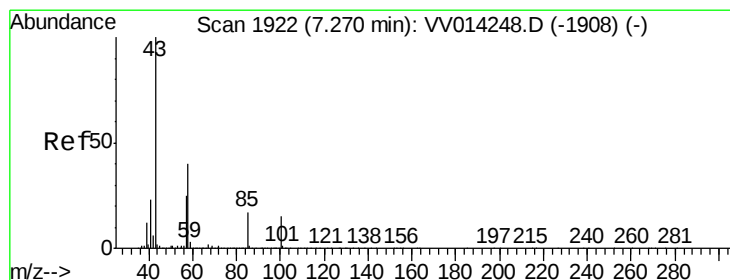
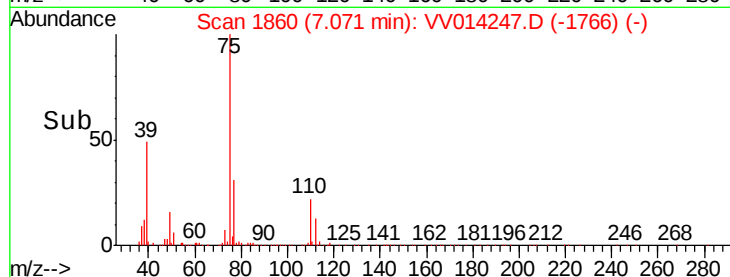
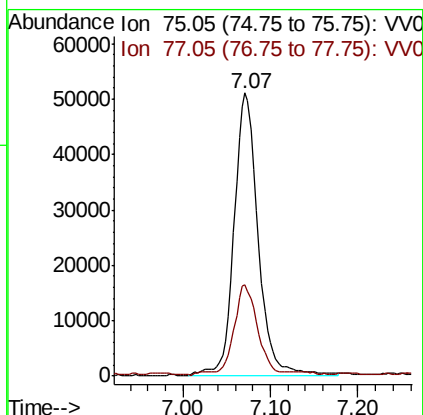
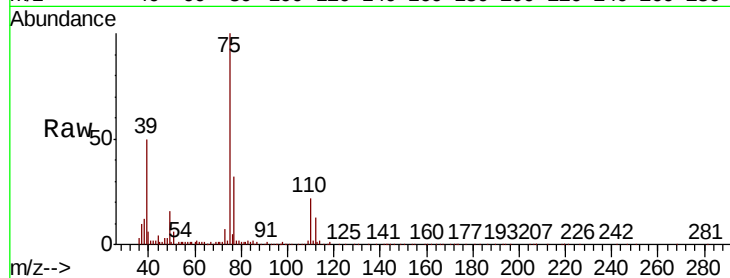


#39

cis-1,3-Dichloropropene
 Concen: 1.001 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Instrument :
 MSVOA_V
 ClientSampleId :

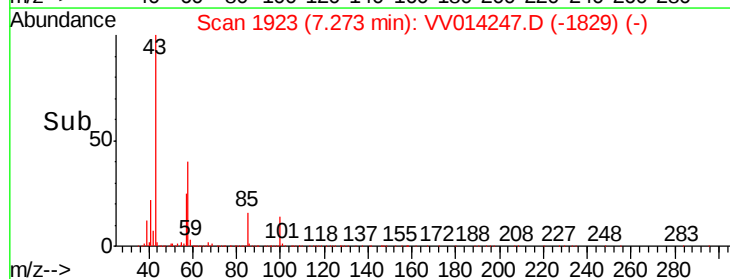
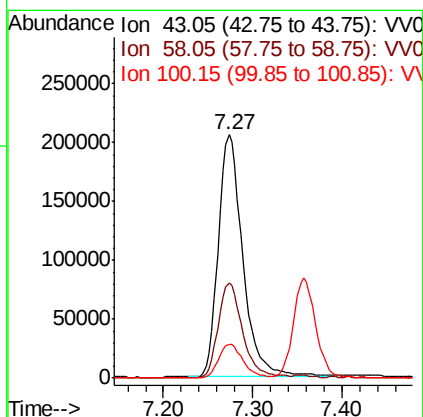
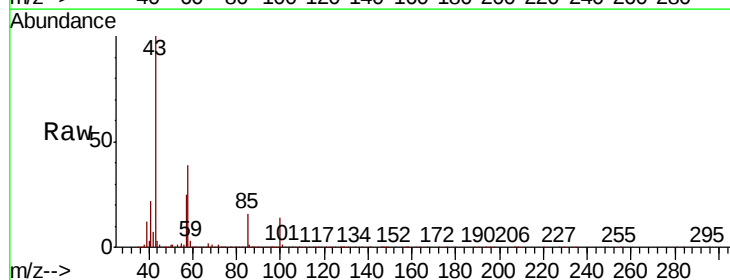
Tot Ion: 75 Resp: 98493
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.9 40.7

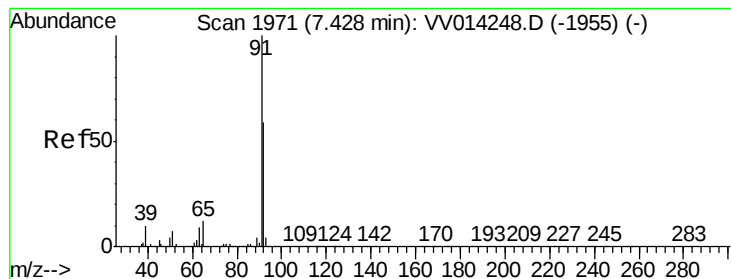


#40

4-Methyl-2-pentanone
 Concen: 10.468 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Tgt Ion: 43 Resp: 395413
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.3 46.9
 100 13.9 11.8 17.8





#42

Toluene

Concen: 0.967 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

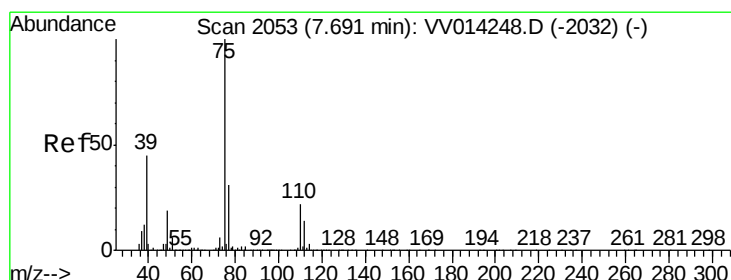
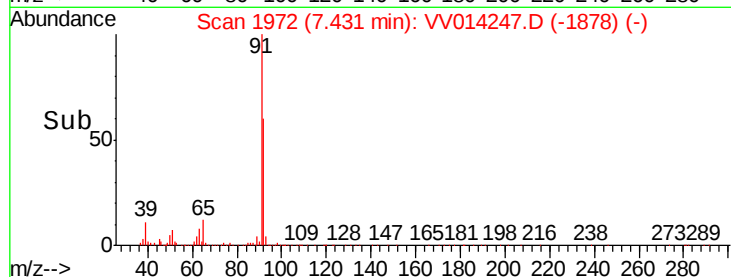
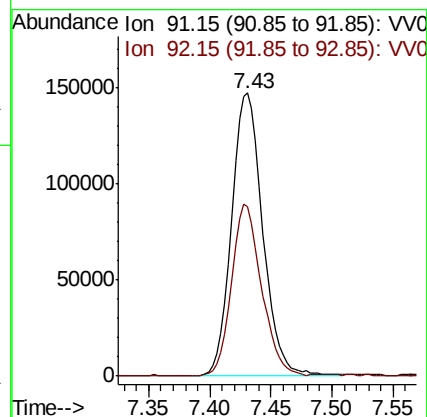
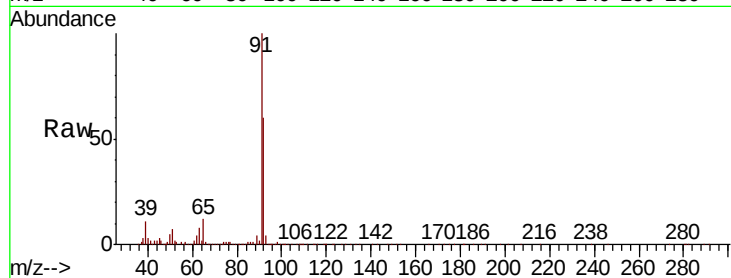
ClientSampleId :

Tot Ion: 91 Resp: 260302

Ion Ratio Lower Upper

91 100

92 60.1 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 0.951 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014247.D

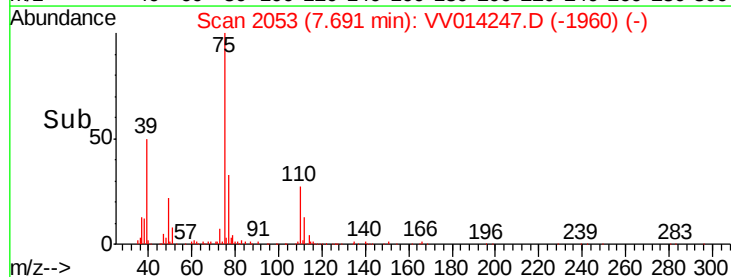
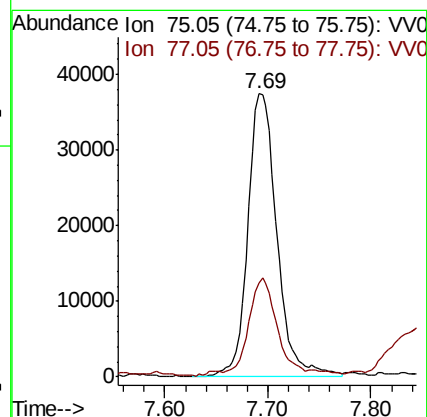
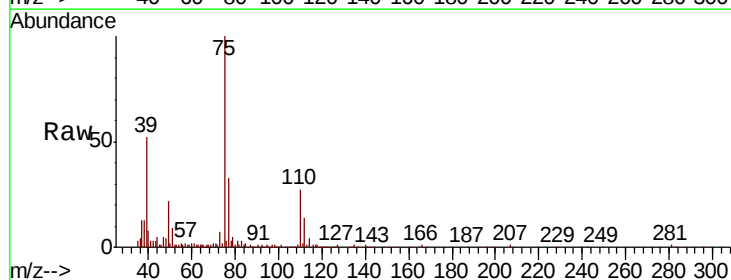
Acq: 02 Jan 2020 14:17

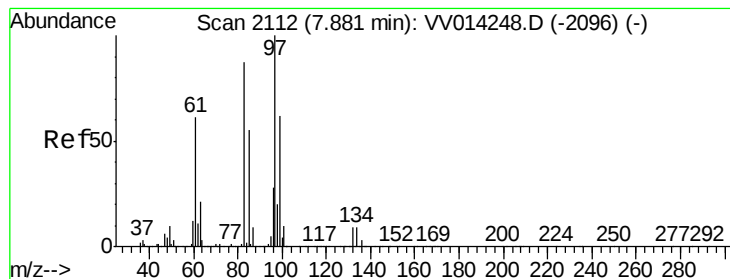
Tgt Ion: 75 Resp: 73500

Ion Ratio Lower Upper

75 100

77 33.3 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 0.961 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 39037

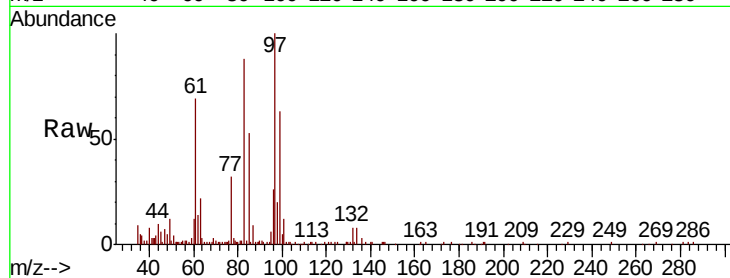
Ion Ratio Lower Upper

97 100

99 63.3 43.0 80.0

83 87.8 60.6 112.6

85 53.3 38.6 71.8

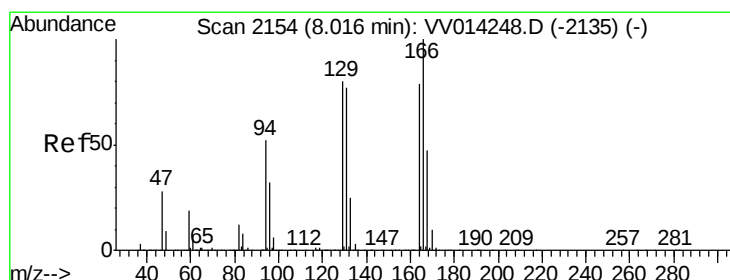
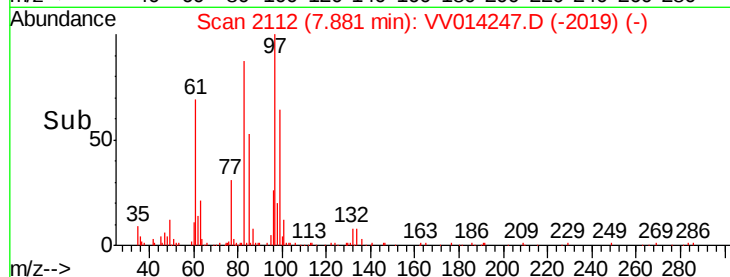
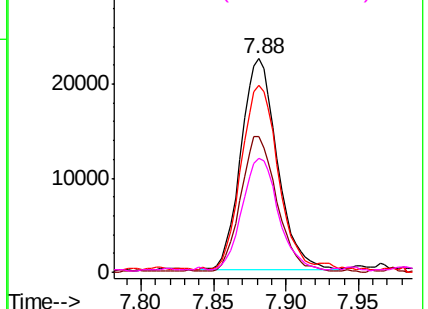


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.953 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Tgt Ion:164 Resp: 43421

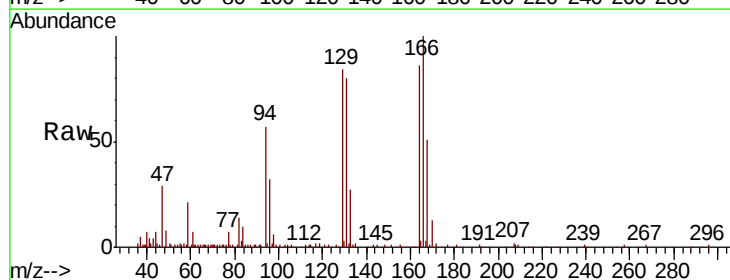
Ion Ratio Lower Upper

164 100

129 97.6 71.0 131.9

131 93.3 68.5 127.3

166 116.9 88.8 164.8

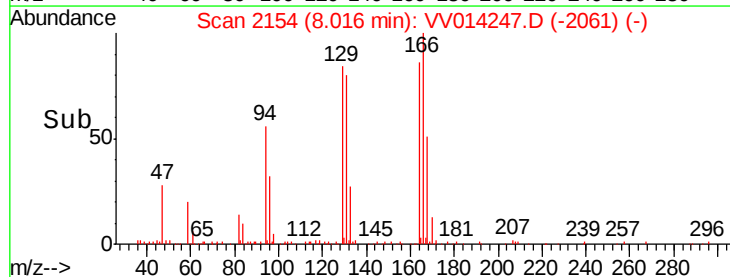
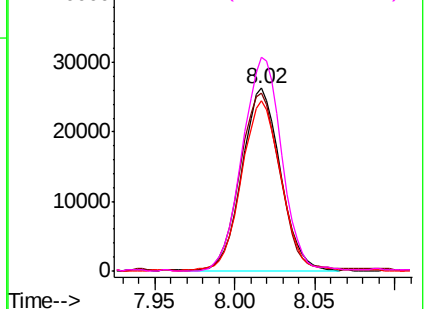


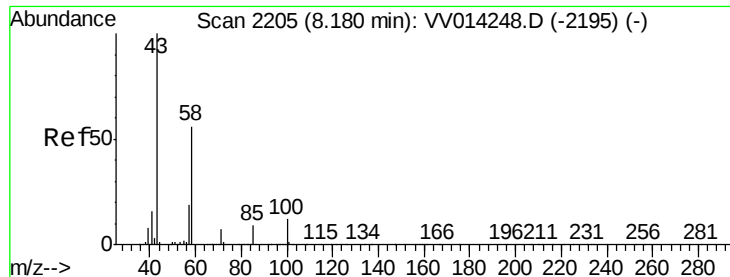
Abundance Ion 163.90 (163.60 to 164.60): V

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

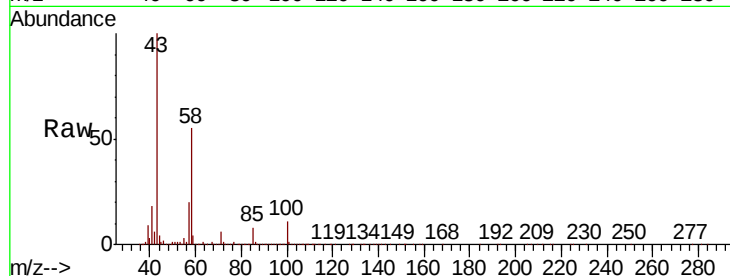




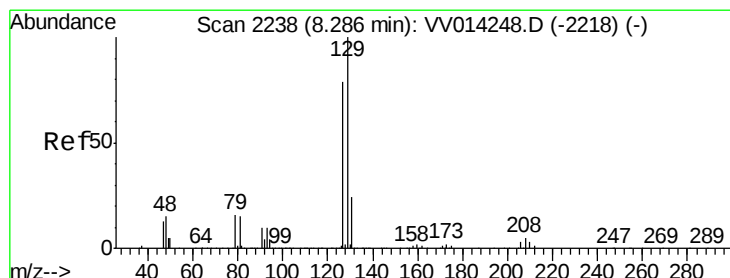
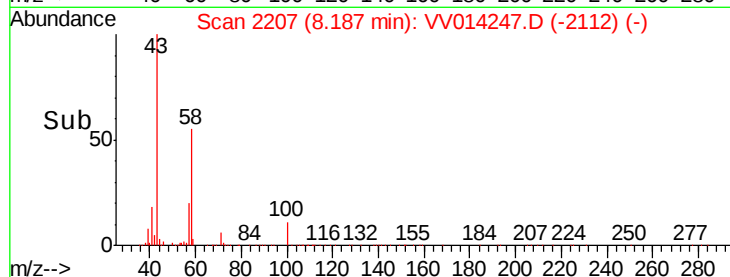
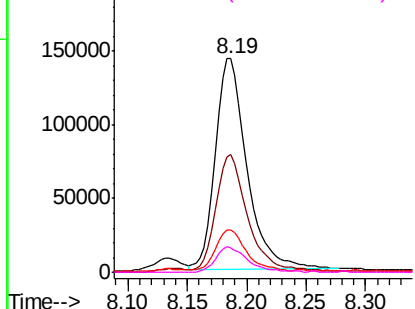
#48
2-Hexanone
Concen: 10.088 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	263661
Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.0	66.0
57	18.5	15.5	23.3
100	12.1	9.4	14.0

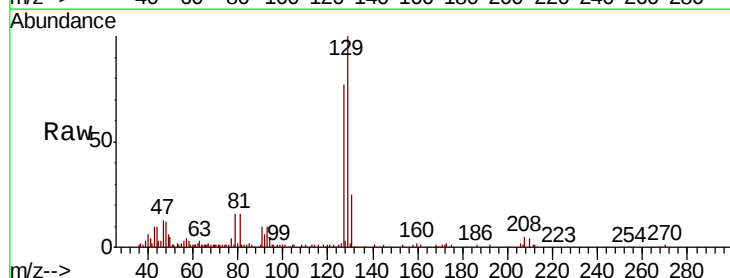


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

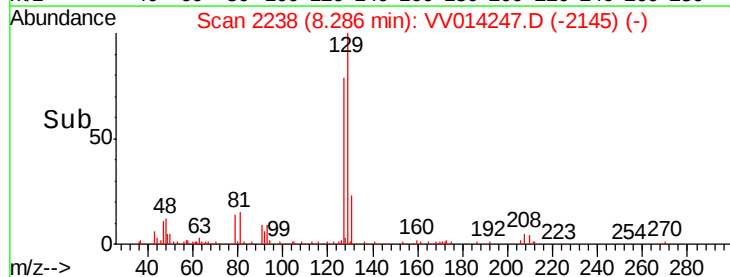
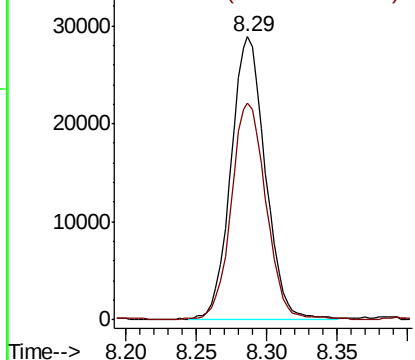


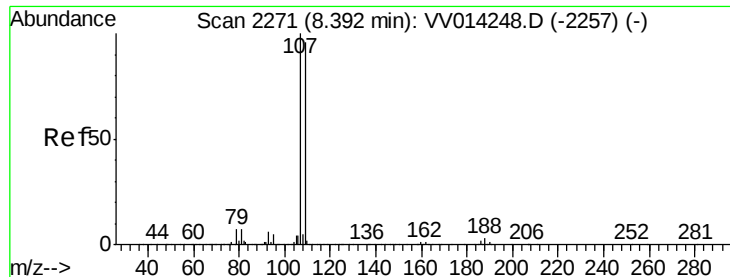
#49
Dibromochloromethane
Concen: 0.959 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

Tgt Ion:	129	Resp:	49504
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.9	102.1



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

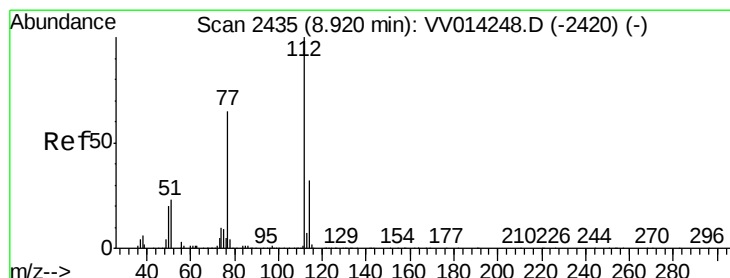
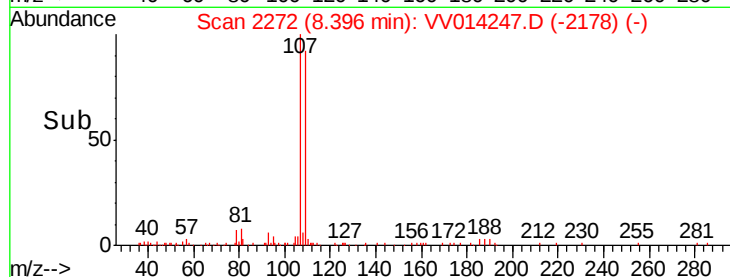
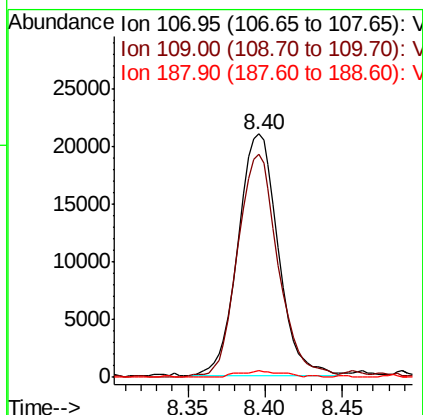
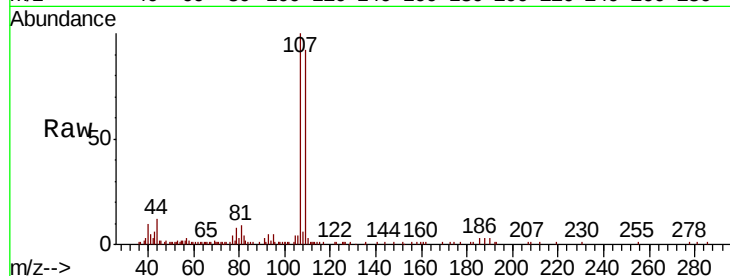




#50
1,2-Dibromoethane
Concen: 0.969 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

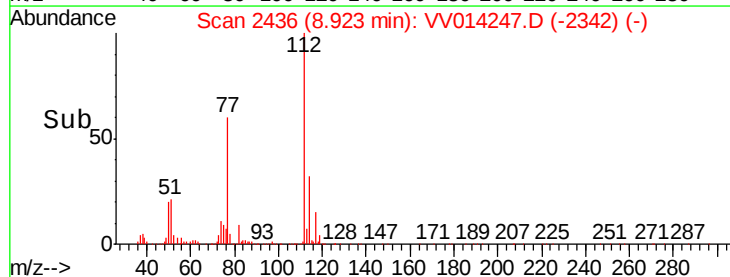
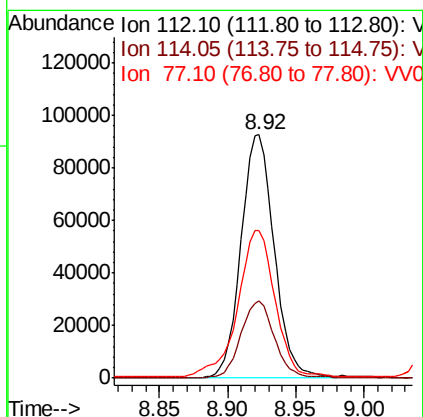
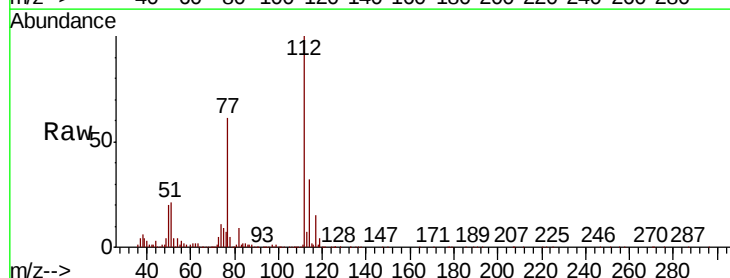
Instrument :
MSVOA_V
ClientSampleId :

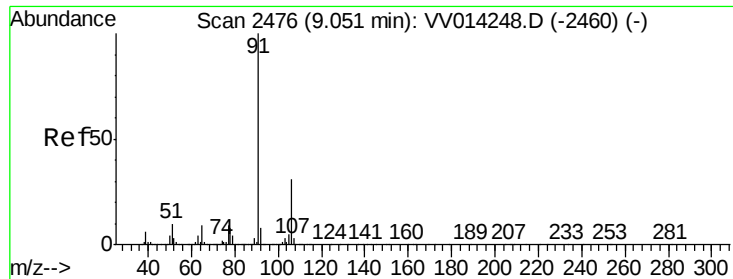
Tot Ion:107 Resp: 38025
Ion Ratio Lower Upper
107 100
109 91.5 67.5 125.4
188 2.6 2.6 4.0#



#51
Chlorobenzene
Concen: 0.942 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014247.D
Acq: 02 Jan 2020 14:17

Tgt Ion:112 Resp: 156439
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 60.7 51.8 77.8





#52

Ethylbenzene

Concen: 0.963 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

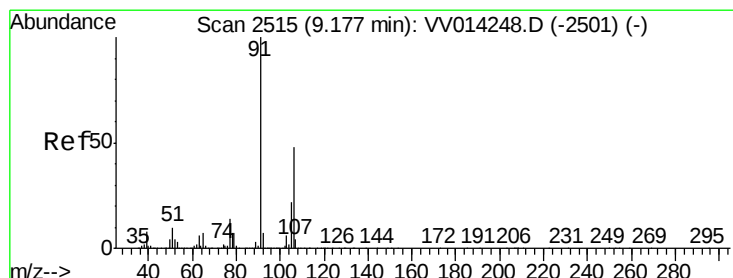
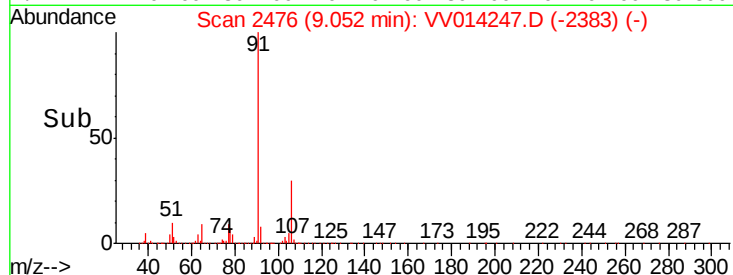
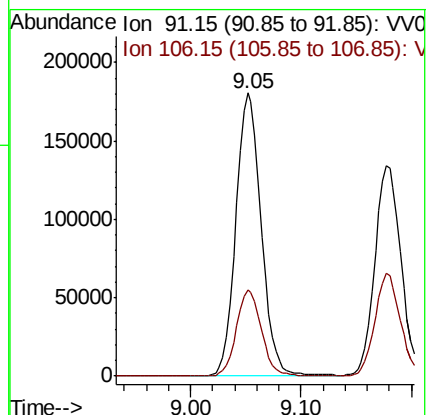
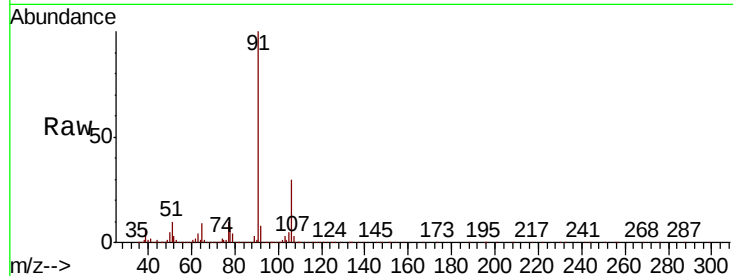
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 287885

Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.0



#53

m,p-xylene

Concen: 0.955 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014247.D

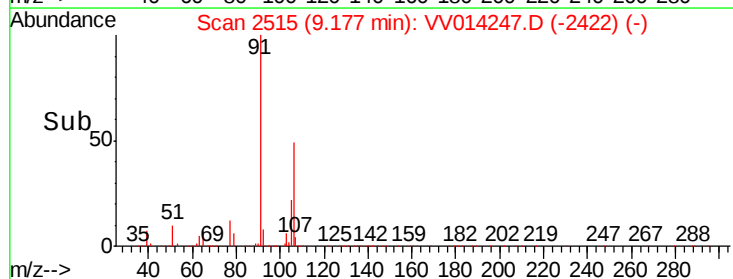
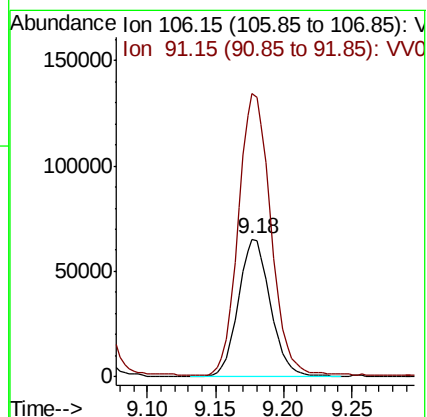
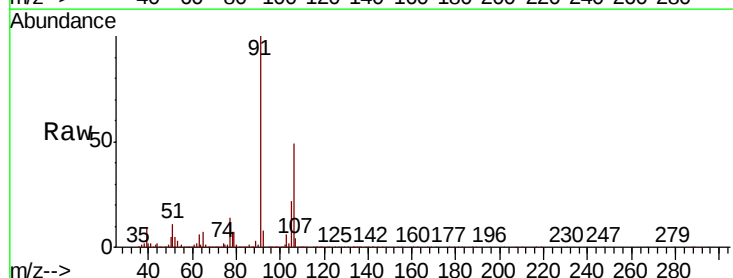
Acq: 02 Jan 2020 14:17

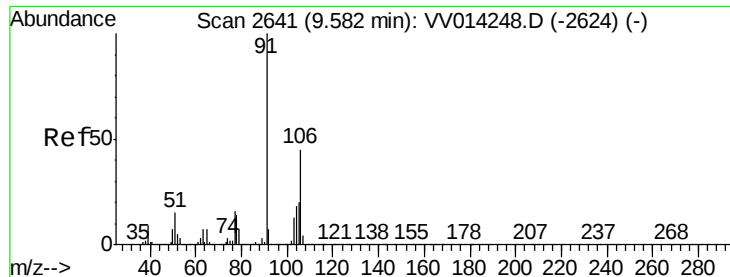
Tgt Ion: 106 Resp: 107065

Ion Ratio Lower Upper

106 100

91 205.6 146.7 272.4





#54

o-xylene

Concen: 0.967 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

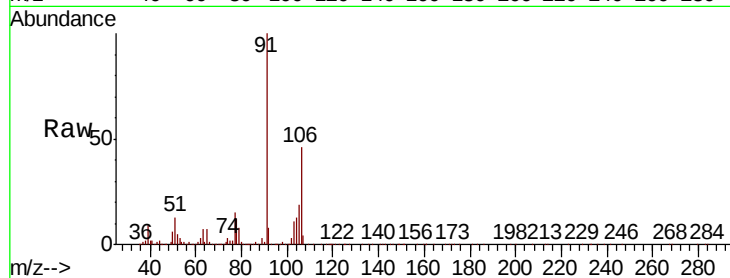
ClientSampleId :

Tot Ion:106 Resp: 105547

Ion Ratio Lower Upper

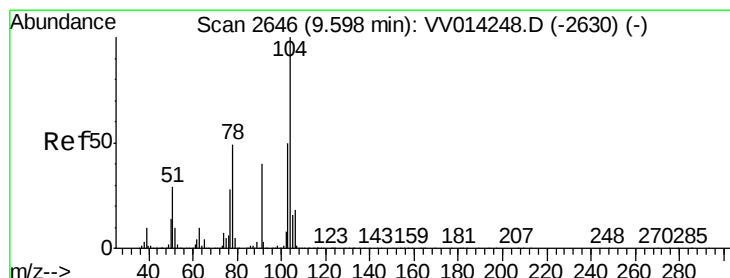
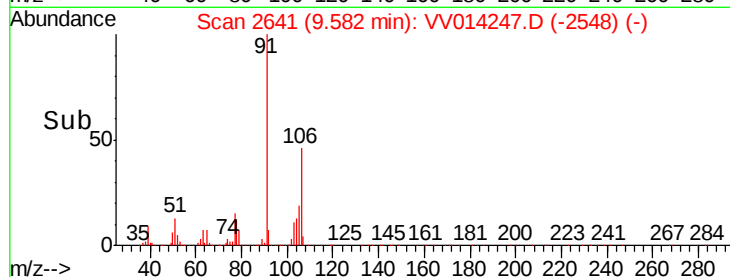
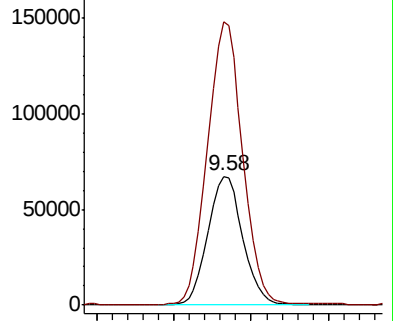
106 100

91 219.3 155.1 288.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.935 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014247.D

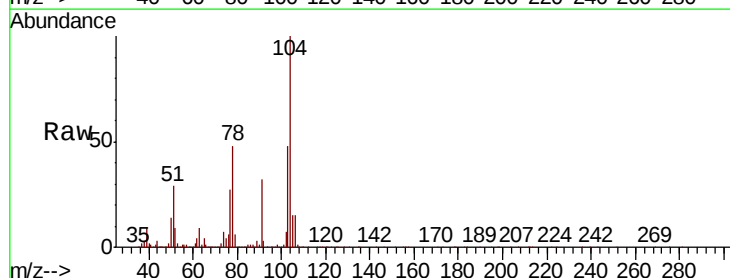
Acq: 02 Jan 2020 14:17

Tgt Ion:104 Resp: 171781

Ion Ratio Lower Upper

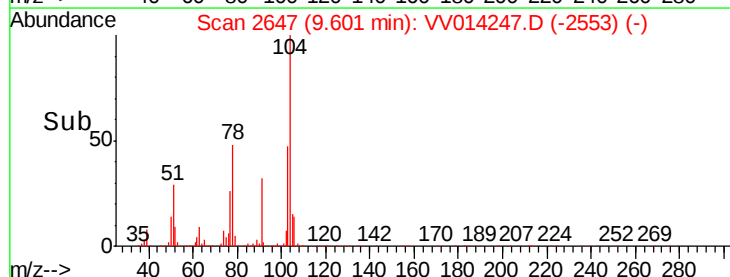
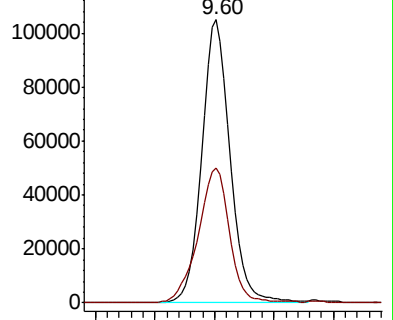
104 100

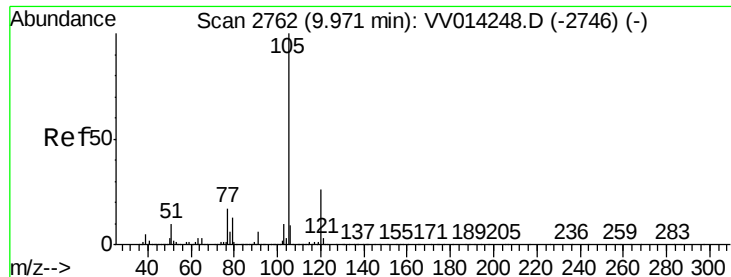
78 47.9 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.945 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

ClientSampleId :

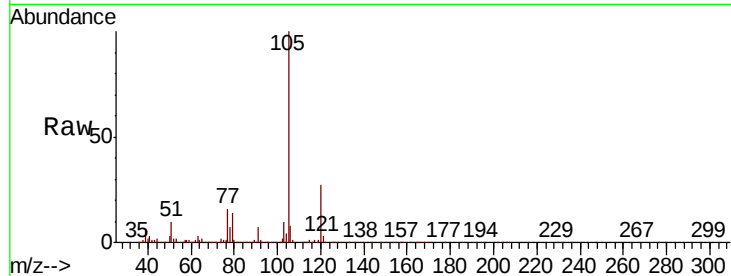
Tot Ion:105 Resp: 271433

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.6

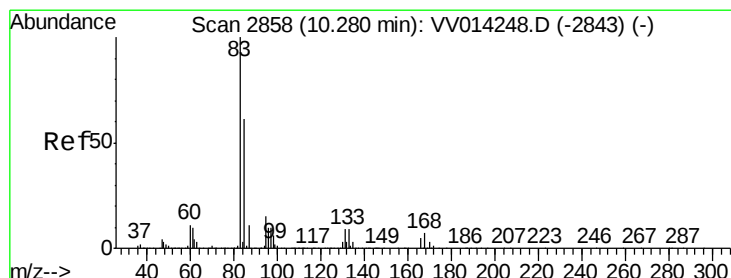
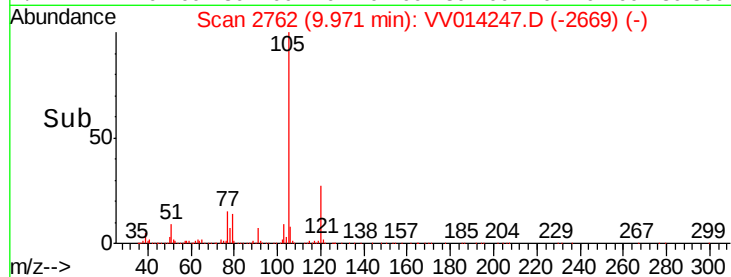
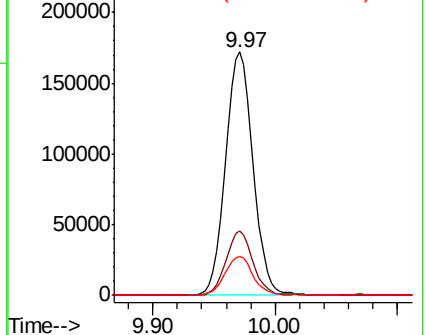
77 16.1 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.968 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

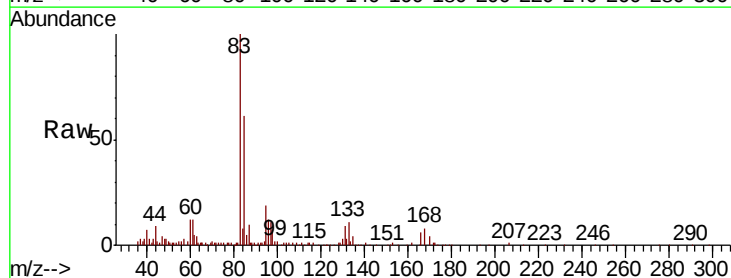
Tgt Ion: 83 Resp: 48030

Ion Ratio Lower Upper

83 100

85 61.3 42.4 78.8

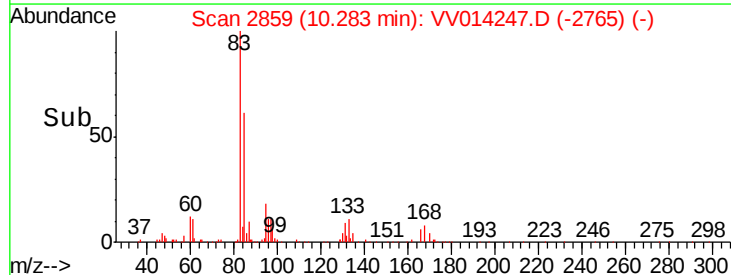
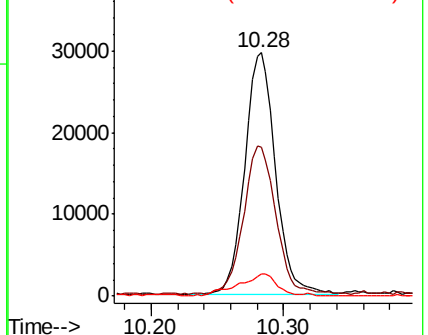
131 9.0 7.4 11.2

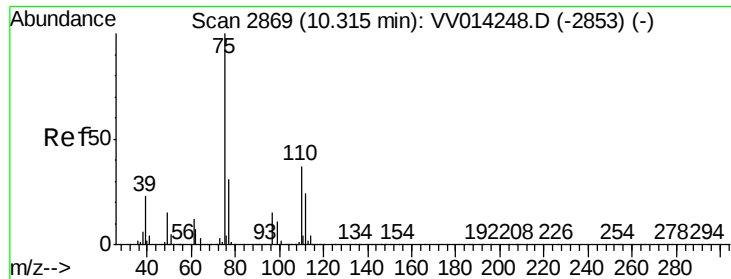


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.016 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

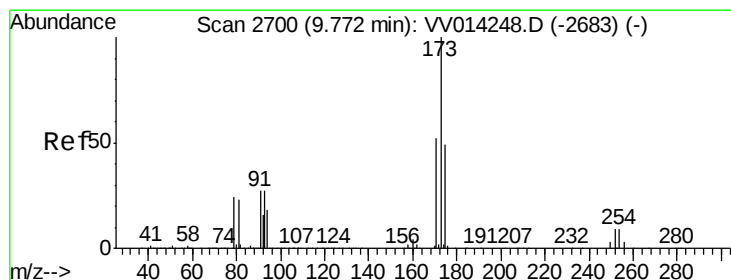
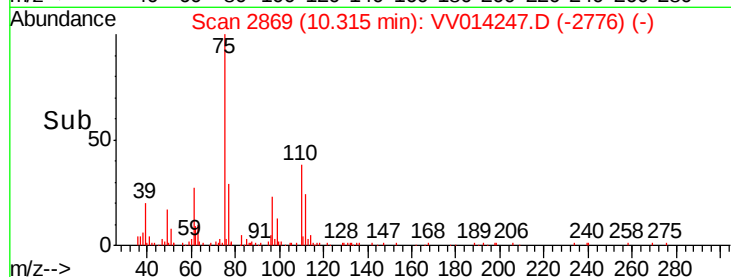
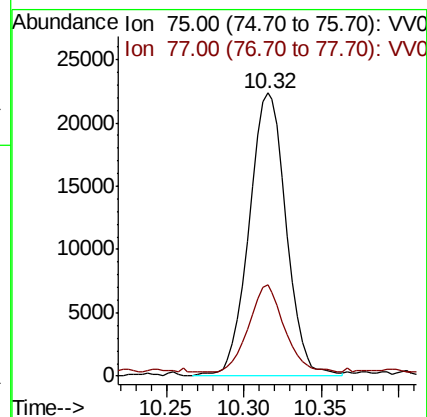
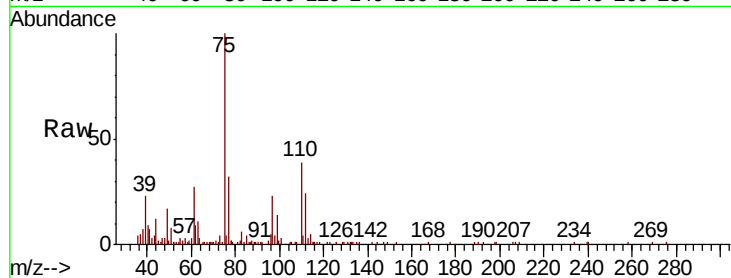
ClientSampled :

Tot Ion: 75 Resp: 37396

Ion Ratio Lower Upper

75 100

77 29.0 25.3 37.9



#61

Bromoform

Concen: 0.946 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

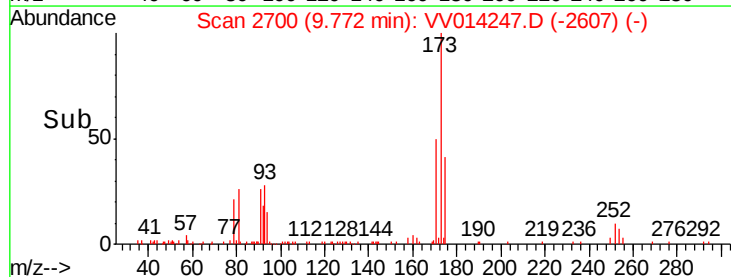
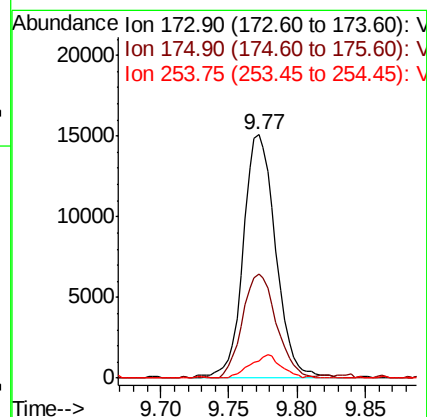
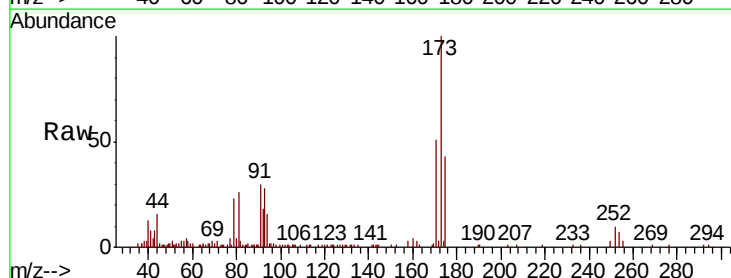
Tgt Ion: 173 Resp: 24965

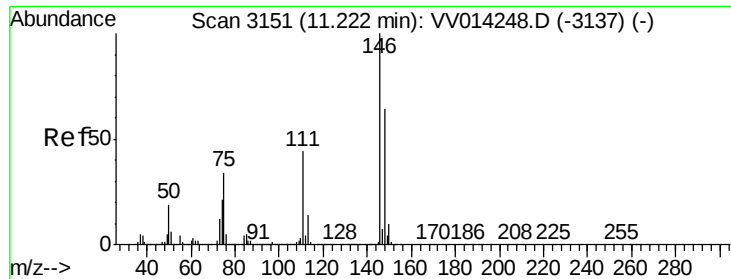
Ion Ratio Lower Upper

173 100

175 44.7 38.8 58.2

254 9.1 6.6 10.0

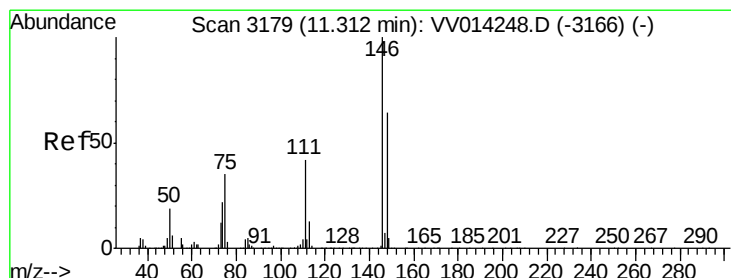
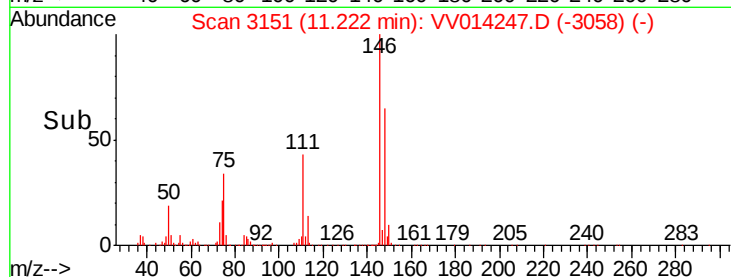
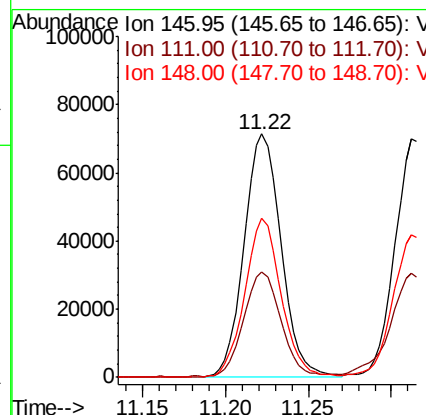
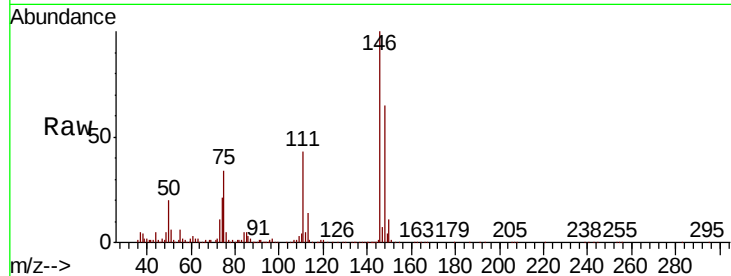




#62
 1,3-Dichlorobenzene
 Concen: 0.933 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

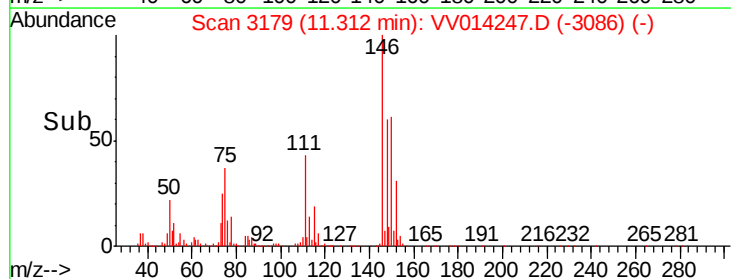
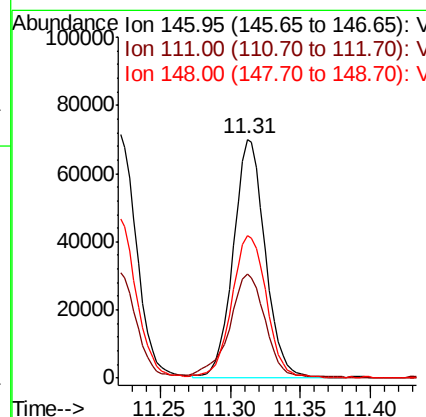
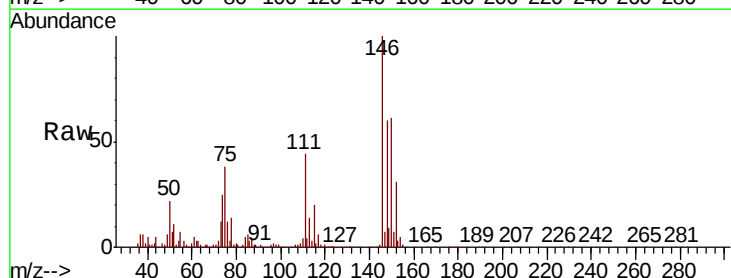
Instrument :
 MSVOA_V
 ClientSampleId :

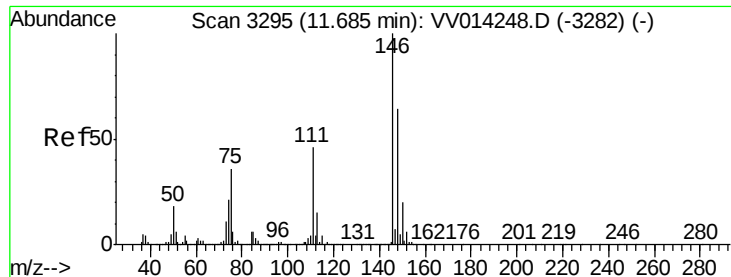
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	30.6	56.8
148	65.2	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 0.925 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	29.8	55.4
148	59.6	44.6	82.8





#65

1,2-Dichlorobenzene

Concen: 0.947 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

ClientSampleId :

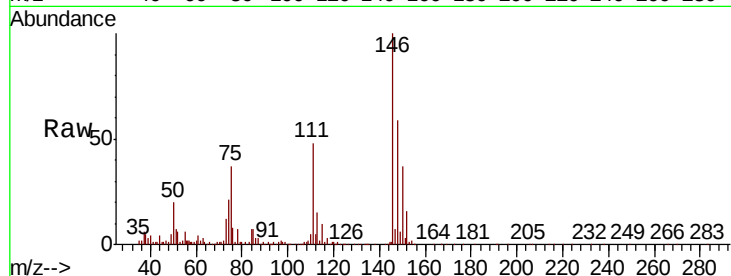
Tot Ion:146 Resp: 103351

Ion Ratio Lower Upper

146 100

111 48.0 37.3 55.9

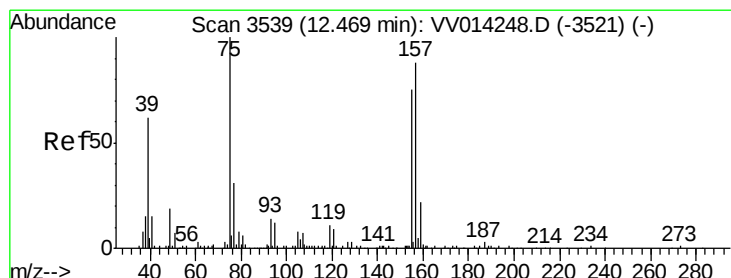
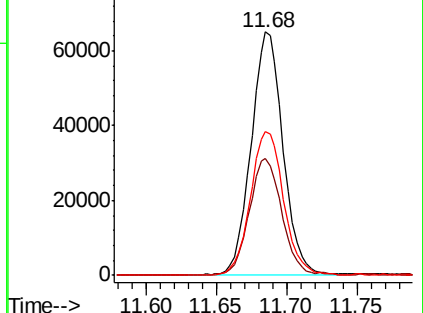
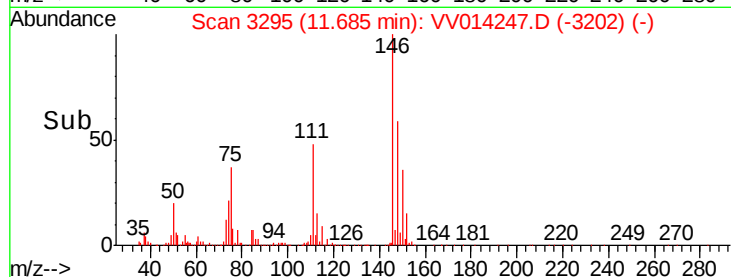
148 59.1 51.5 77.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.166 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

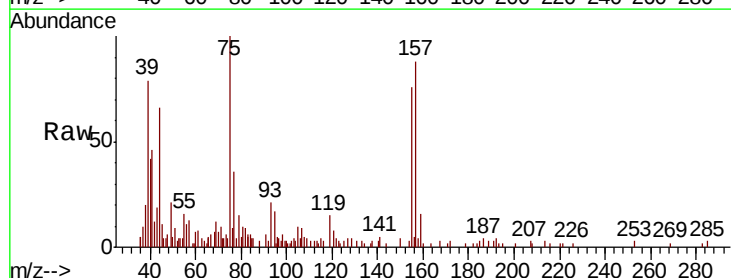
Tgt Ion: 75 Resp: 10728

Ion Ratio Lower Upper

75 100

155 76.2 60.1 90.1

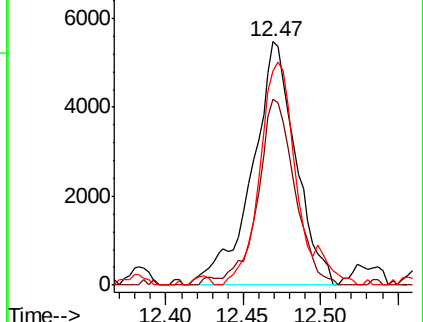
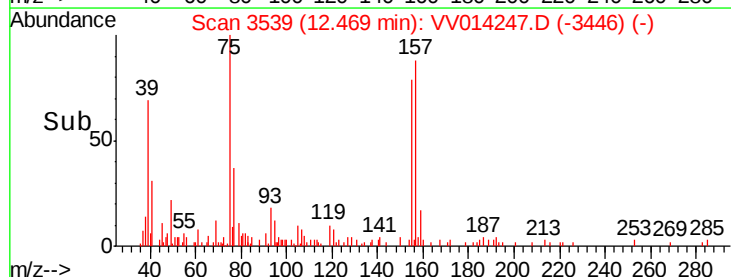
157 88.1 70.6 105.8

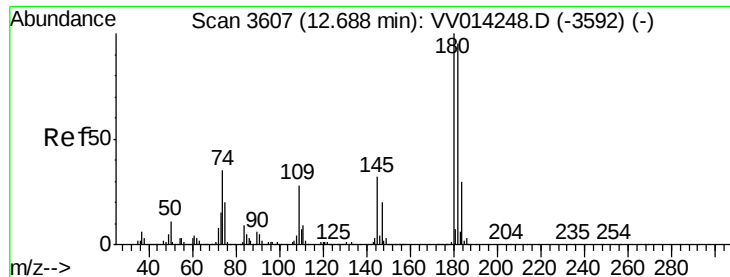


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

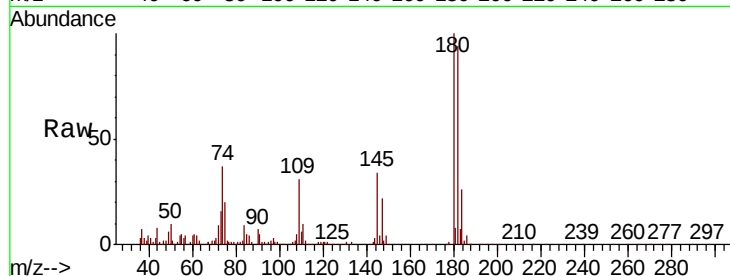




#67
 1,3,5-Trichlorobenzene
 Concen: 0.921 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
184	28.9	23.6	35.4
145	34.8	25.8	38.6



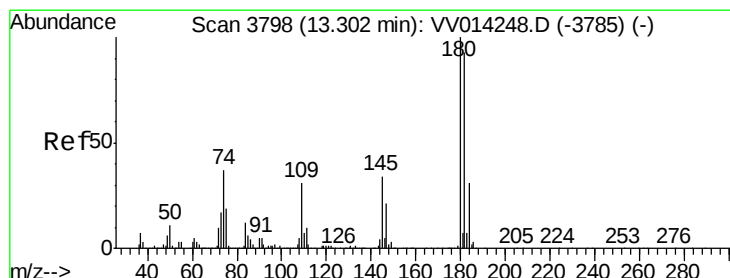
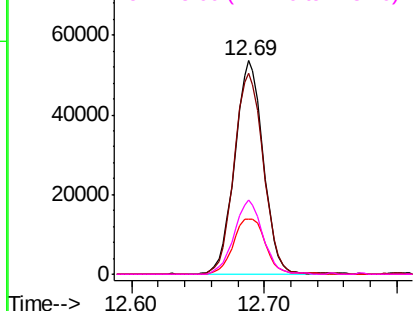
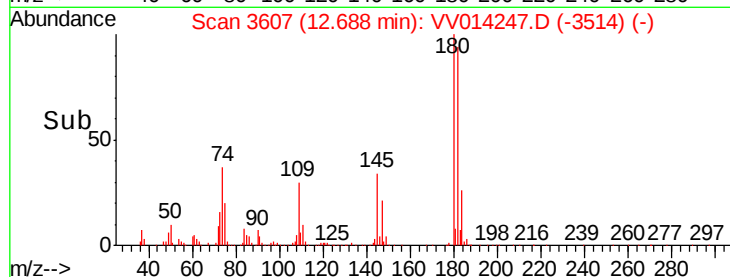
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

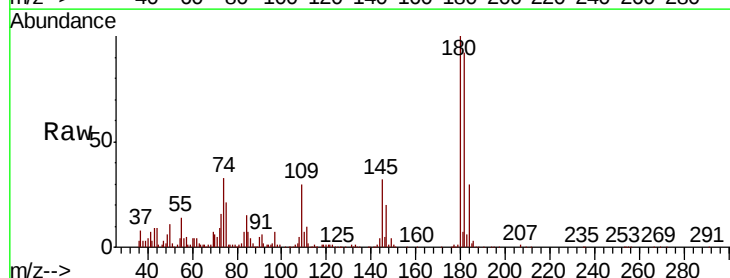
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.937 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014247.D
 Acq: 02 Jan 2020 14:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	34.0	27.4	41.0

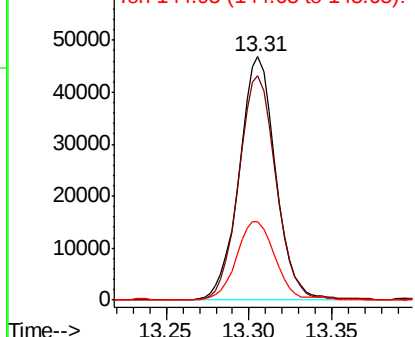
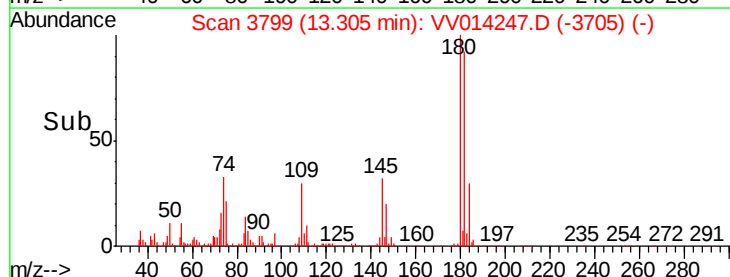


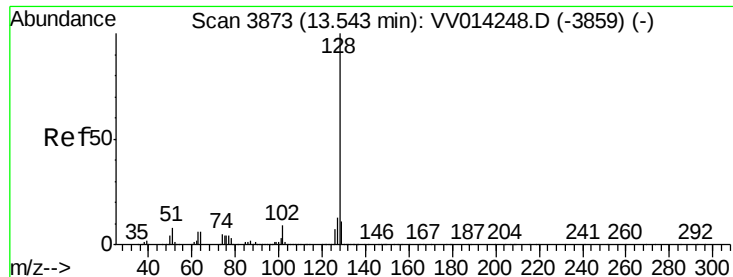
Abundance

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





#69

Naphthalene

Concen: 1.013 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

Instrument :

MSVOA_V

ClientSampleId :

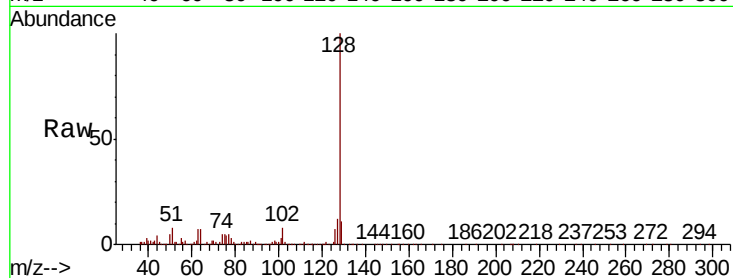
Tot Ion:128 Resp: 144260

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

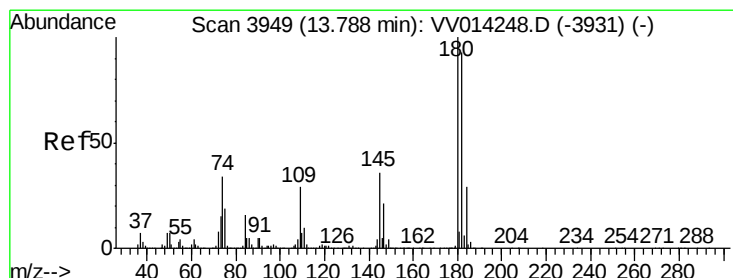
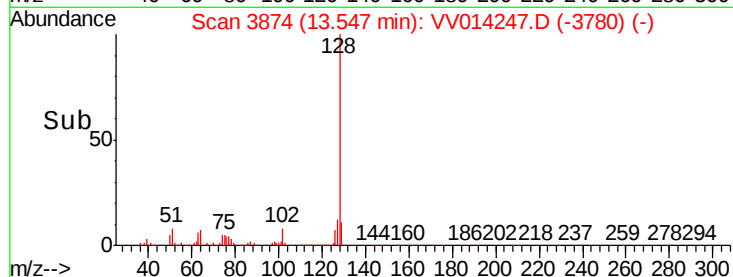
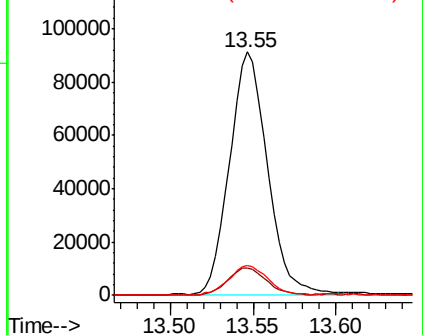
127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.951 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014247.D

Acq: 02 Jan 2020 14:17

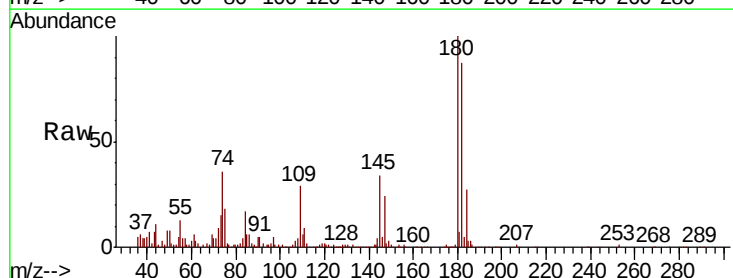
Tgt Ion:180 Resp: 63569

Ion Ratio Lower Upper

180 100

182 91.1 75.1 112.7

145 37.1 28.9 43.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

