

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021020\
 Data File : VV014552.D
 Acq On : 10 Feb 2020 15:21
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 11 04:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 04:43:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	338732	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	317002	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	161759	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70312	38.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.56%
7) Chloroethane-d5	1.58	69	48977	38.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.38%
11) 1,1-Dichloroethene-d2	2.13	63	115933	41.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.12%
21) 2-Butanone-d5	3.92	46	128106	90.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.34%
24) Chloroform-d	4.40	84	201849	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
26) 1,2-Dichloroethane-d4	5.08	65	124393	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
32) Benzene-d6	5.10	84	409715	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
36) 1,2-Dichloropropane-d6	6.11	67	122564	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.08%
41) Toluene-d8	7.36	98	384725	47.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.66	79	66788	46.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.56%
47) 2-Hexanone-d5	8.12	63	107213	93.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.63%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	168156	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
66) 1,2-Dichlorobenzene-d4	11.67	152	150082	48.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	137114	50.532	ug/L 98
3) Chloromethane	1.26	50	119252	43.405	ug/L 100
5) Vinyl chloride	1.33	62	88513	42.062	ug/L 99
6) Bromomethane	1.53	94	43313	44.761	ug/L 96
8) Chloroethane	1.60	64	42479	40.625	ug/L 100
9) Trichlorofluoromethane	1.77	101	141188	49.807	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	61975	45.531	ug/L 99
12) 1,1-Dichloroethene	2.14	96	56072	43.070	ug/L 94
13) Acetone	2.18	43	91677	77.220	ug/L 99
14) Carbon disulfide	2.32	76	279901	44.280	ug/L 99
15) Methyl Acetate	2.45	43	95807	41.968	ug/L 97
16) Methylene chloride	2.54	84	113998	46.106	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	108507	47.306	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	342657	47.175	ug/L 99
19) 1,1-Dichloroethane	3.23	63	193014	47.058	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	121907	47.229	ug/L 99
22) 2-Butanone	4.00	43	145644	82.946	ug/L 90

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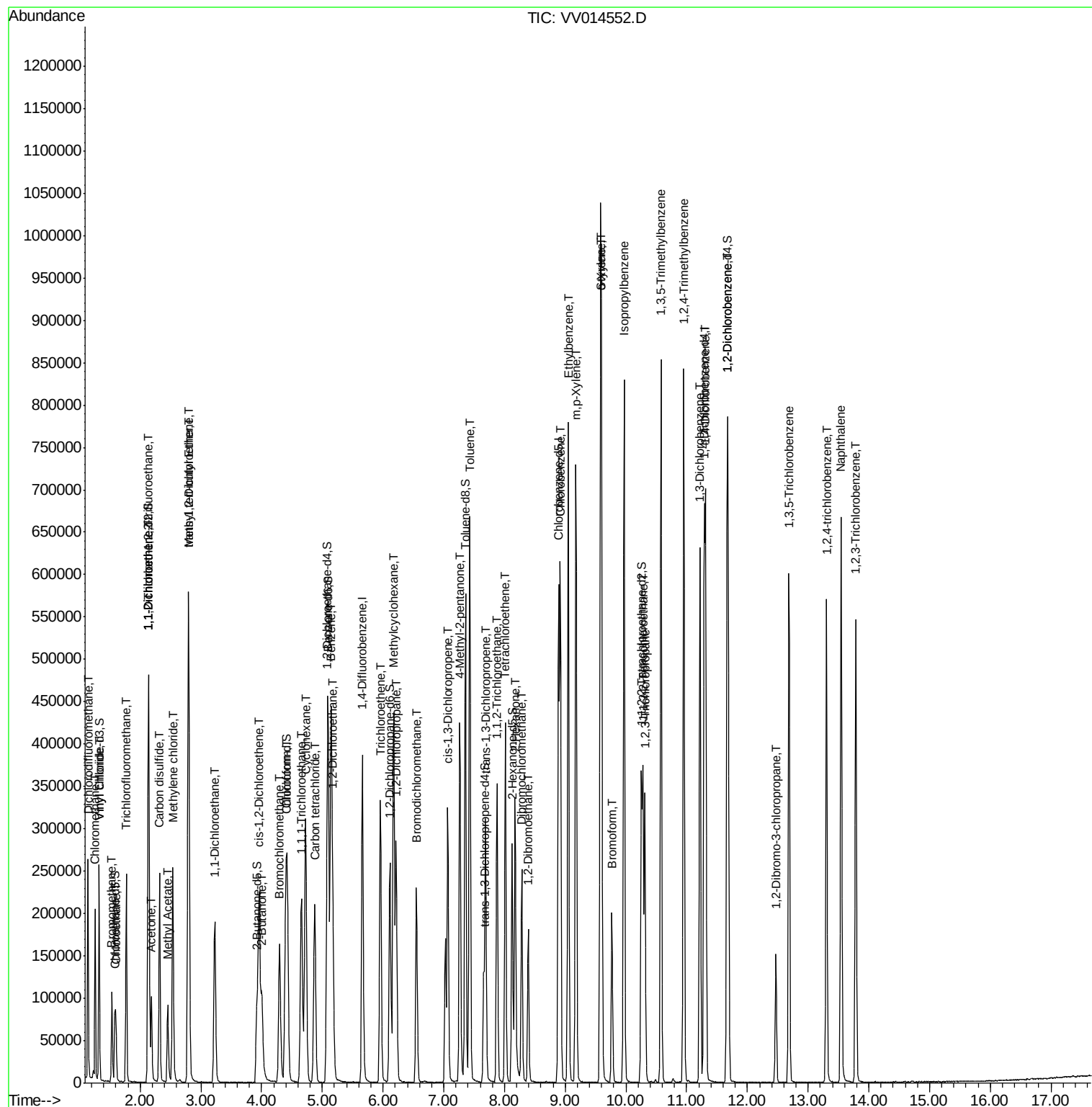
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	60027	49.112	ug/L	94
25) Chloroform	4.42	83	204505	49.035	ug/L	99
27) 1,2-Dichloroethane	5.17	62	149860	48.224	ug/L	99
29) Cyclohexane	4.72	56	178134	45.703	ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	179635	49.652	ug/L	99
31) Carbon tetrachloride	4.87	117	157353	49.300	ug/L	98
33) Benzene	5.14	78	448296	48.102	ug/L	100
34) Trichloroethene	5.96	95	120034	48.590	ug/L	99
35) Methylcyclohexane	6.17	83	193537	47.942	ug/L	98
37) 1,2-Dichloropropane	6.22	63	111798	47.096	ug/L	99
38) Bromodichloromethane	6.55	83	155621	48.849	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	193657	48.905	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	268362	87.481	ug/L	98
42) Toluene	7.43	91	481407	48.178	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	172293	48.526	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	110879	48.687	ug/L	97
46) Tetrachloroethene	8.01	164	93365	49.543	ug/L	98
48) 2-Hexanone	8.18	43	207250	87.760	ug/L	98
49) Dibromochloromethane	8.29	129	128029	49.794	ug/L	100
50) 1,2-Dibromoethane	8.39	107	120438	48.828	ug/L	99
51) Chlorobenzene	8.92	112	318658	48.821	ug/L	98
52) Ethylbenzene	9.05	91	549638	49.049	ug/L	98
53) m,p-Xylene	9.18	106	210575	48.785	ug/L	99
54) o-Xylene	9.58	106	205445	49.728	ug/L	100
55) Styrene	9.60	104	354512	50.207	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	173090	48.493	ug/L	99
59) Bromoform	9.77	173	89167	49.422	ug/L	99
60) Isopropylbenzene	9.97	105	540188	49.382	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	134665	47.008	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	468923	50.073	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	456548	49.452	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	252594	48.954	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	262866	49.486	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	248337	49.640	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	38701	48.240	ug/L	98
69) 1,3,5-Trichlorobenzene	12.68	180	184050	50.631	ug/L	100
70) 1,2,4-trichlorobenzene	13.30	180	170185	50.992	ug/L	99
71) Naphthalene	13.54	128	526074	47.986	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	162313	50.055	ug/L	99

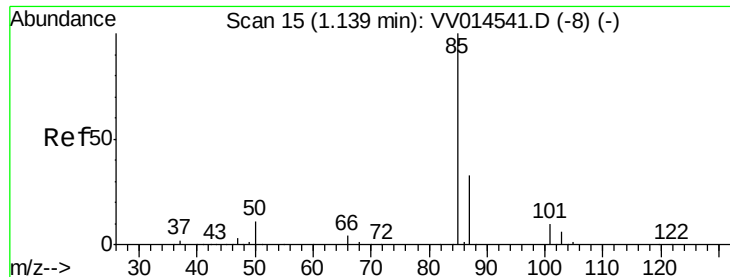
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.532 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

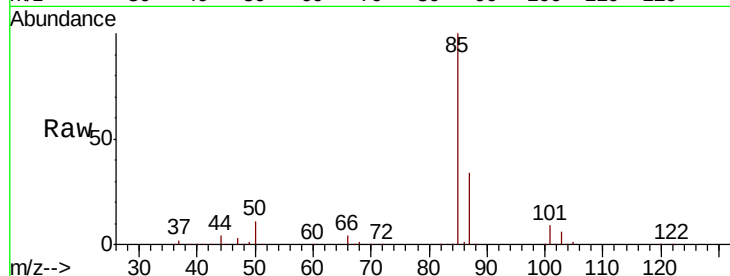
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 137114

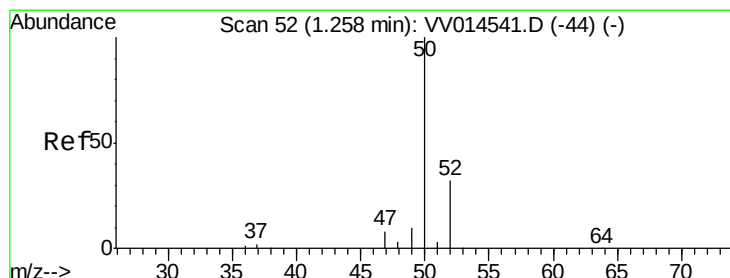
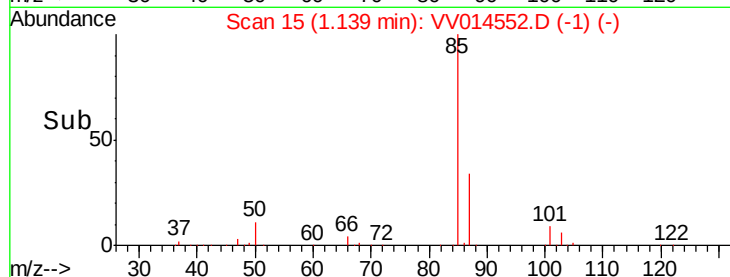
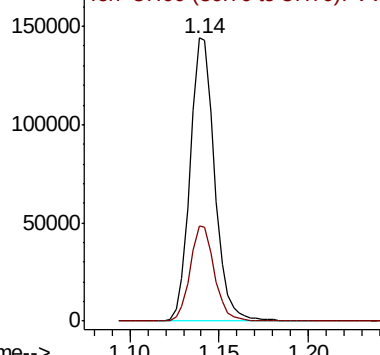
Ion Ratio Lower Upper

85 100

87 33.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 43.405 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014552.D

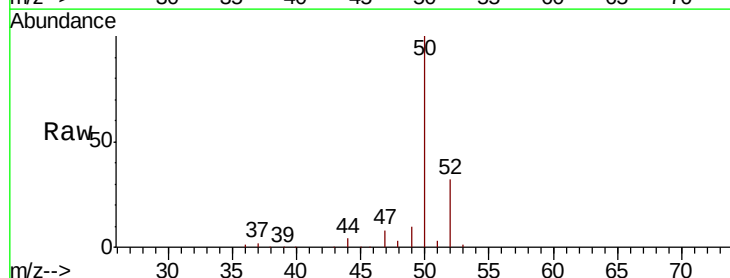
Acq: 10 Feb 2020 15:21

Tgt Ion: 50 Resp: 119252

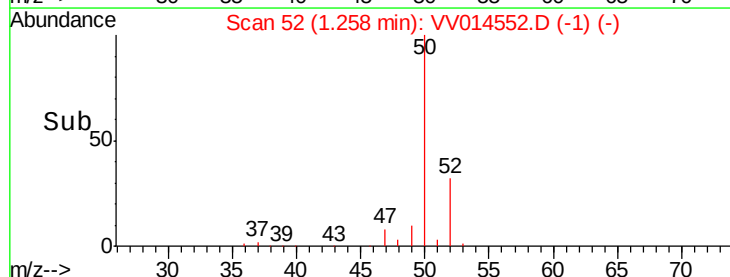
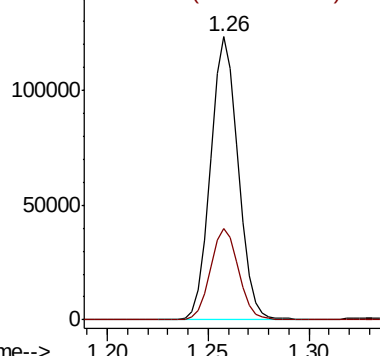
Ion Ratio Lower Upper

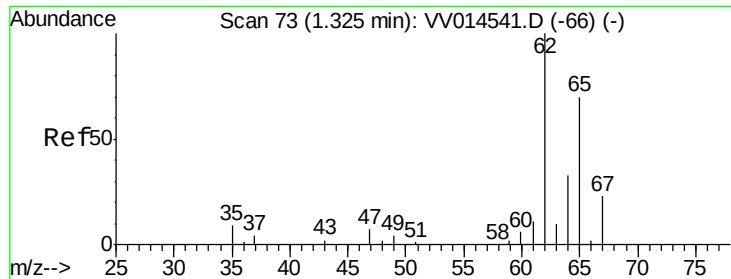
50 100

52 32.5 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 42.062 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

Instrument :

MSVOA_V

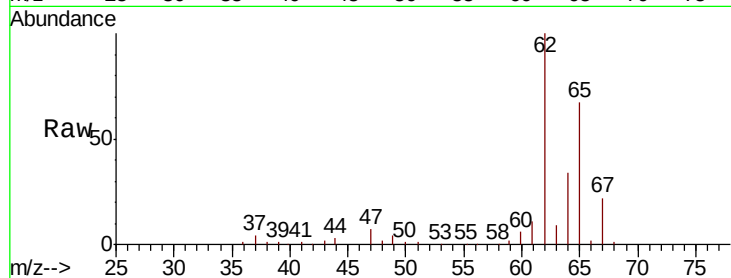
ClientSampleId :

Tot Ion: 62 Resp: 88513

Ion Ratio Lower Upper

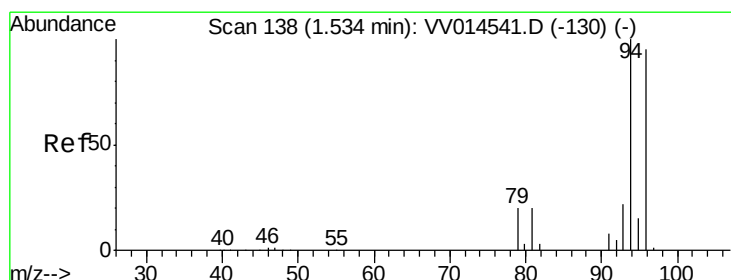
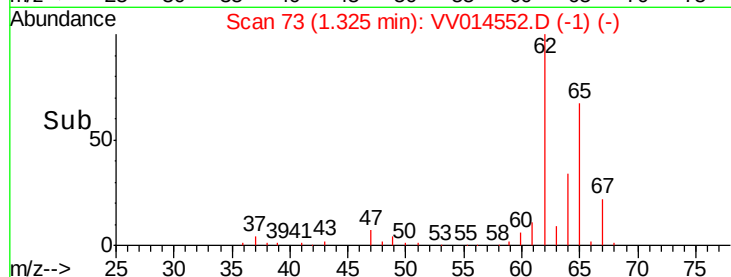
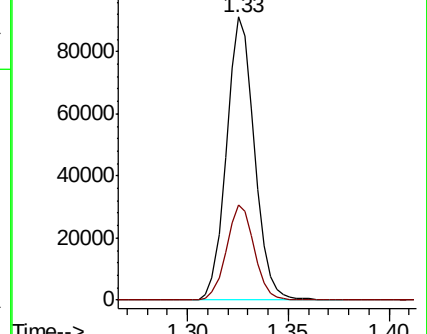
62 100

64 33.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 44.761 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014552.D

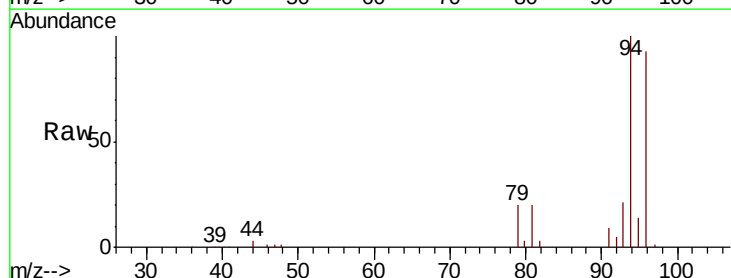
Acq: 10 Feb 2020 15:21

Tgt Ion: 94 Resp: 43313

Ion Ratio Lower Upper

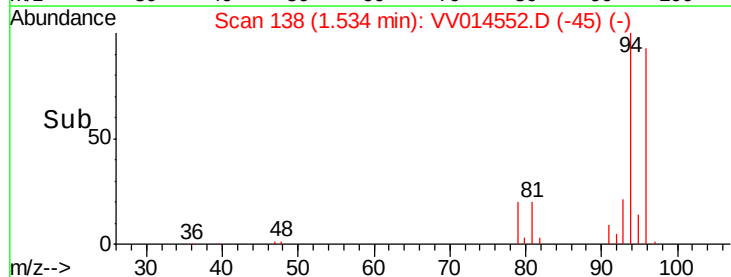
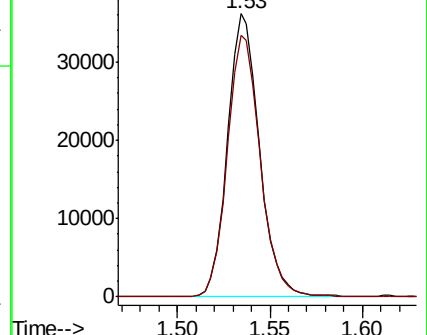
94 100

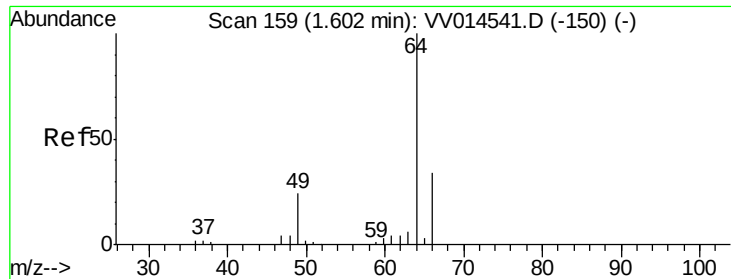
96 92.5 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

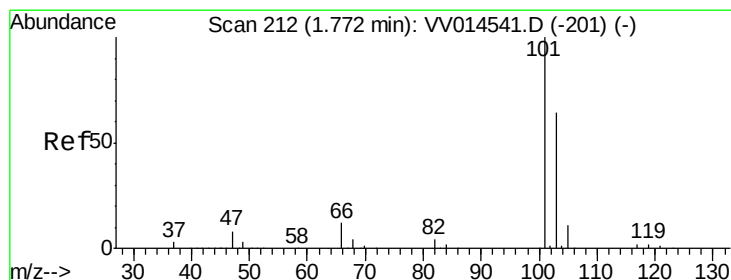
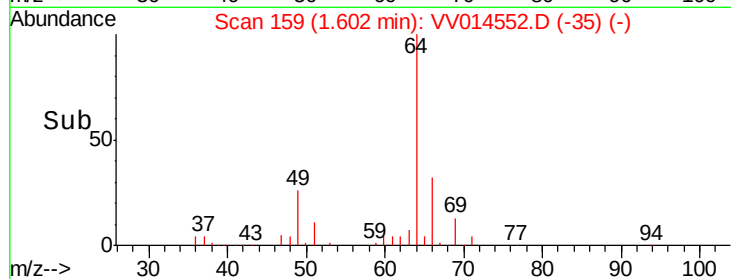
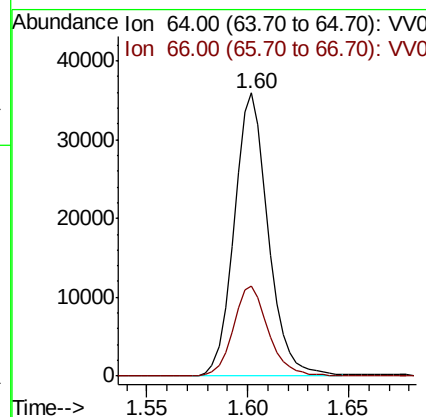
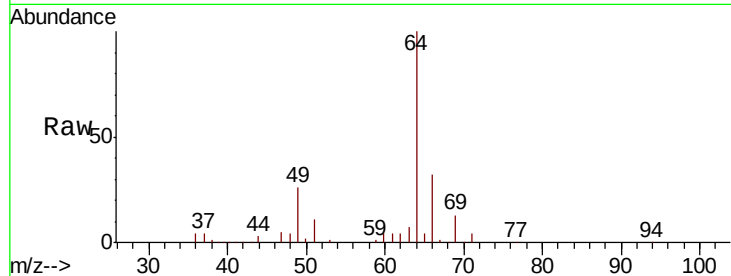




#8
Chloroethane
Concen: 40.625 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

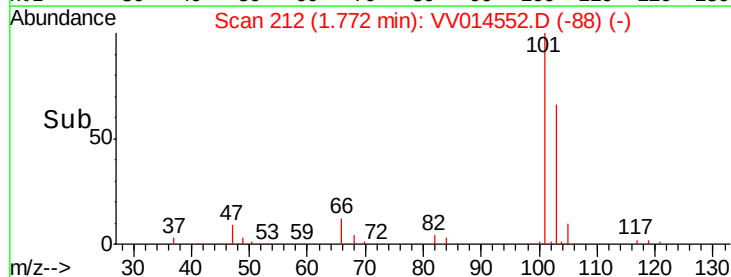
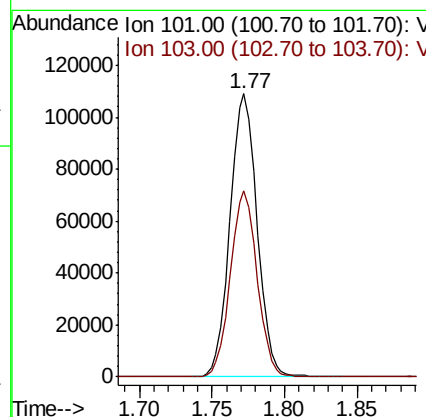
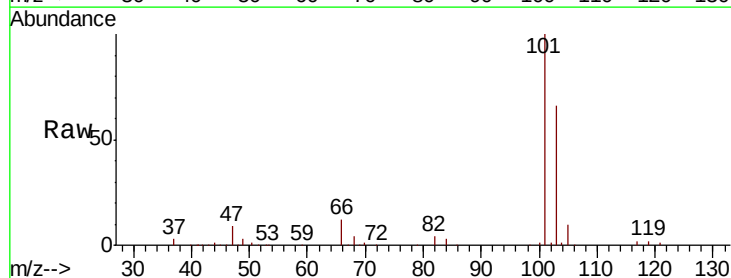
Instrument :
MSVOA_V
ClientSampleId :

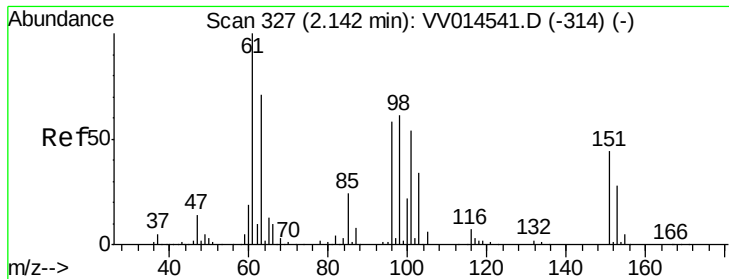
Tot Ion: 64 Resp: 42479
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 49.807 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion: 101 Resp: 141188
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.8





#10

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

Concen: 45.531 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

Instrument :

MSVOA_V

ClientSampled :

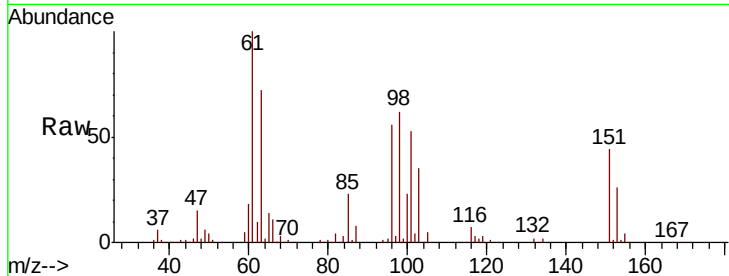
Tot Ion: 101 Resp: 61975

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.6

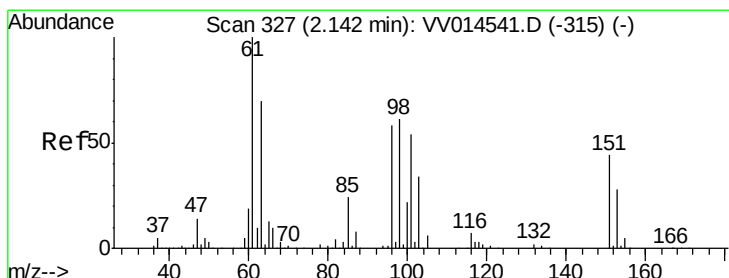
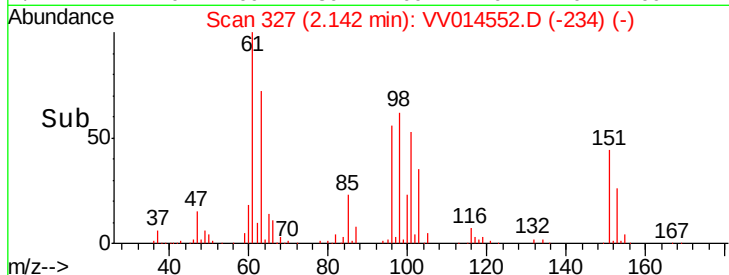
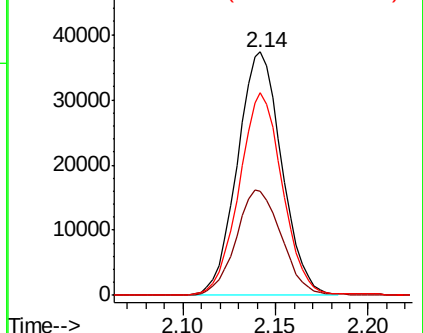
151 81.0 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 43.070 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

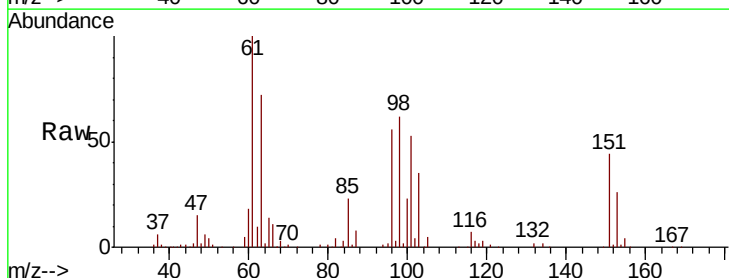
Tgt Ion: 96 Resp: 56072

Ion Ratio Lower Upper

96 100

61 177.6 125.0 232.2

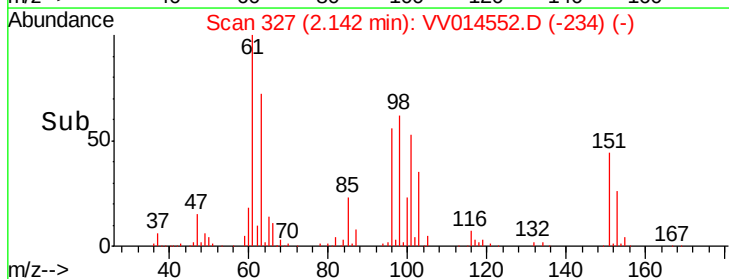
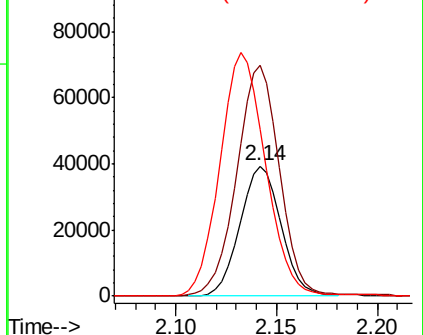
63 128.4 101.6 188.6

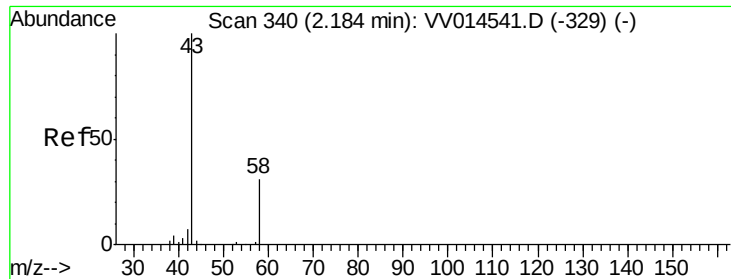


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 77.220 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

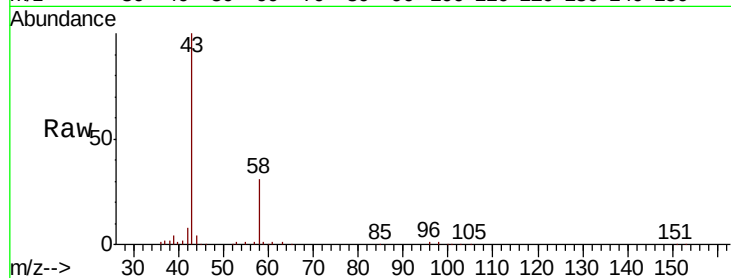
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 91677

Ion Ratio Lower Upper

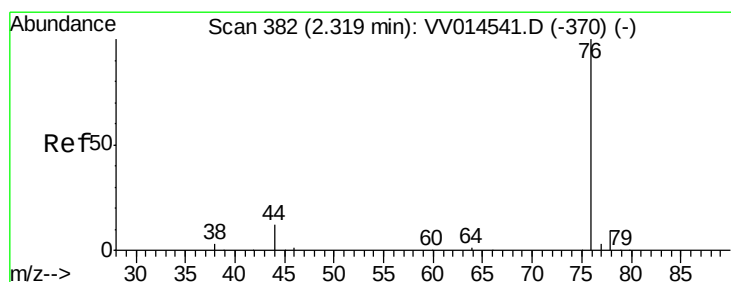
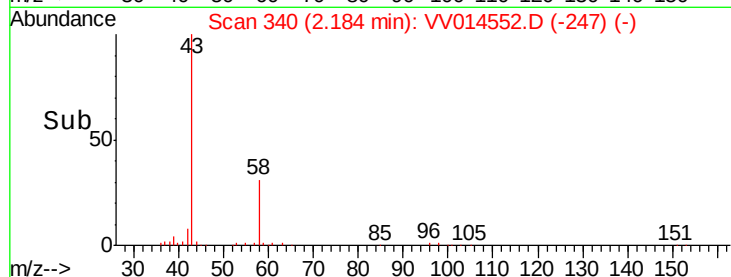
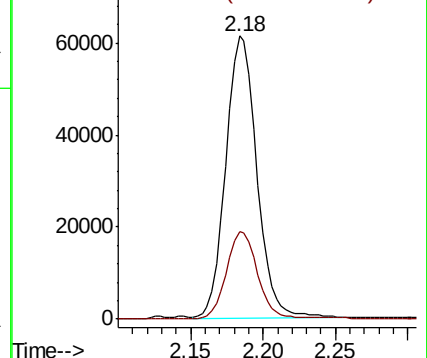
43 100

58 30.4 0.0 61.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 44.280 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014552.D

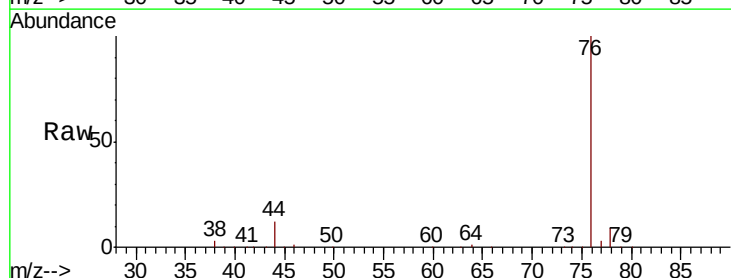
Acq: 10 Feb 2020 15:21

Tgt Ion: 76 Resp: 279901

Ion Ratio Lower Upper

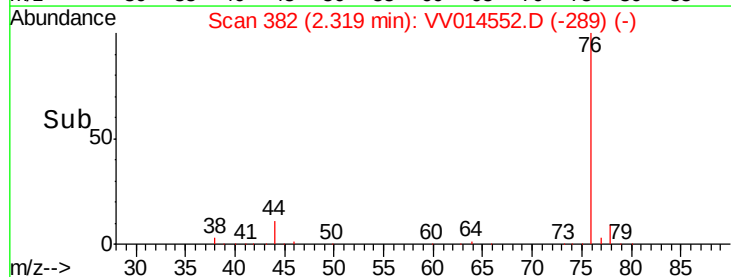
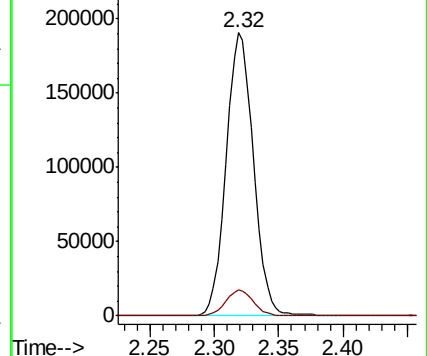
76 100

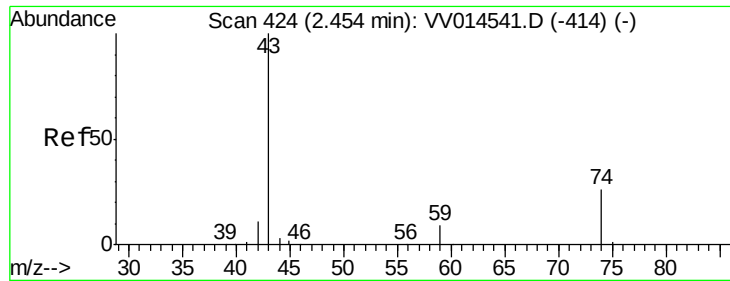
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 41.968 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

Instrument :

MSVOA_V

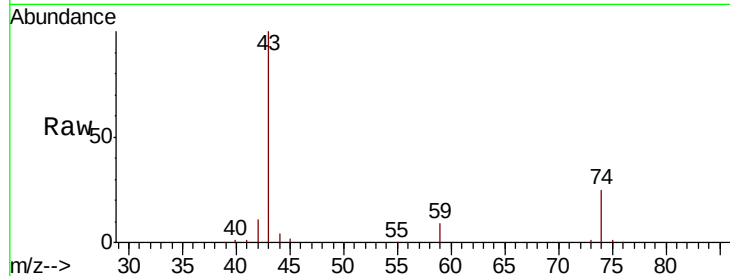
ClientSampleId :

Tot Ion: 43 Resp: 95807

Ion Ratio Lower Upper

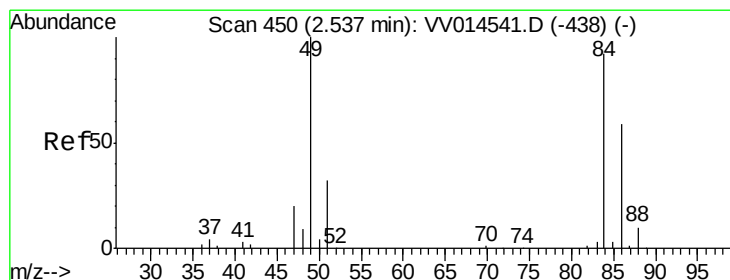
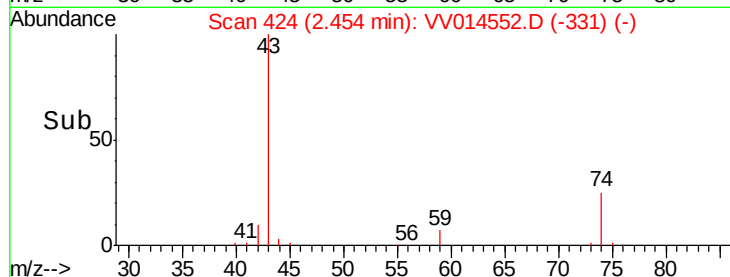
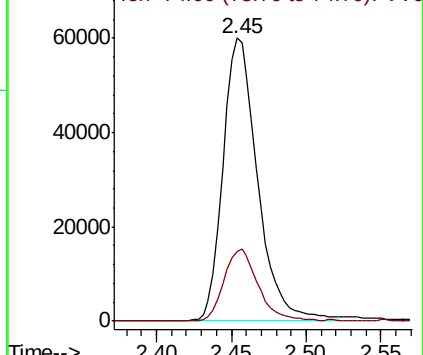
43 100

74 25.5 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 46.106 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

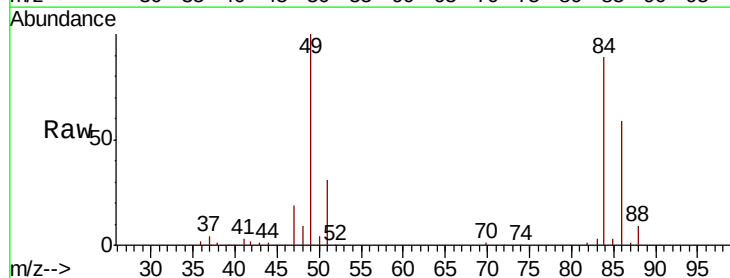
Tgt Ion: 84 Resp: 113998

Ion Ratio Lower Upper

84 100

86 66.8 44.6 82.8

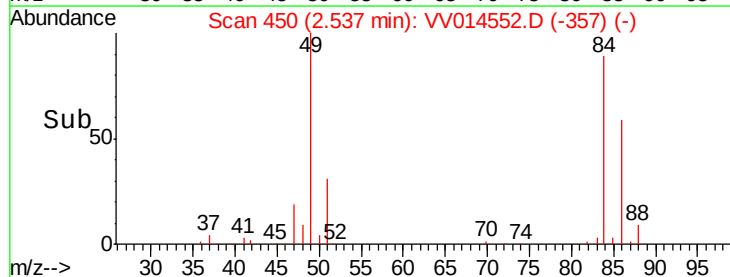
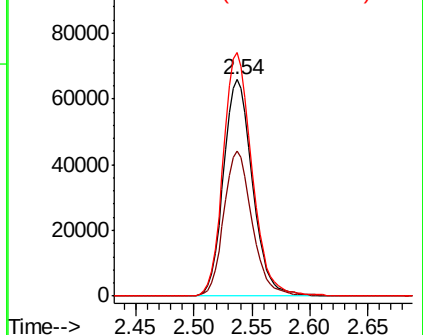
49 112.4 83.2 154.4

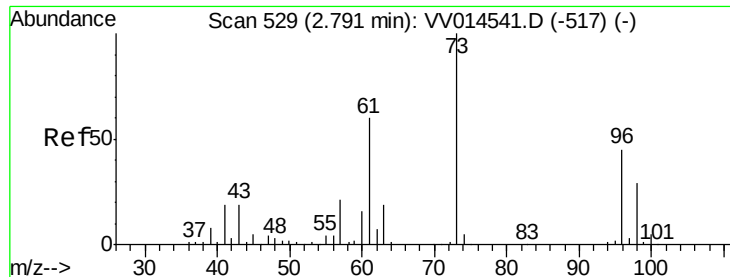


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 47.306 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

Instrument :
MSVOA_V
ClientSampled :

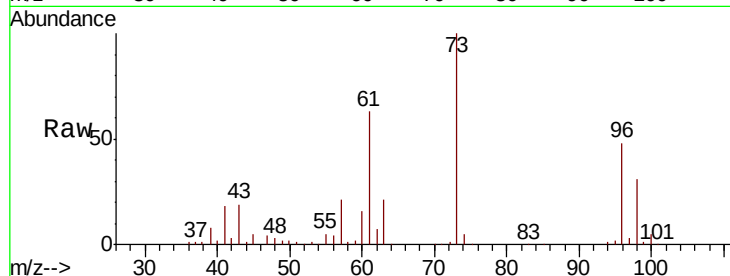
Tot Ion: 96 Resp: 108507

Ion Ratio Lower Upper

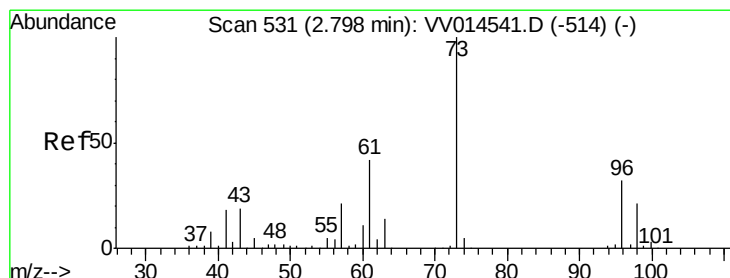
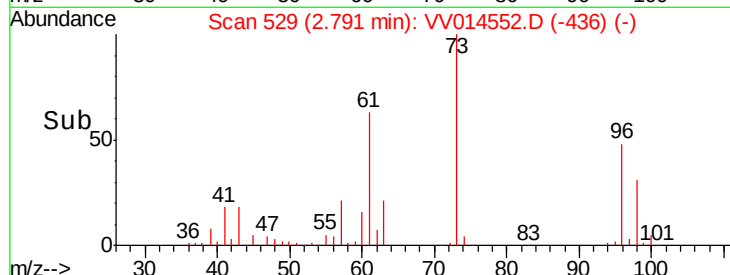
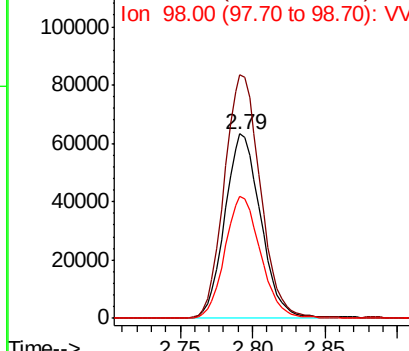
96 100

61 132.0 95.8 178.0

98 66.0 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 47.175 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

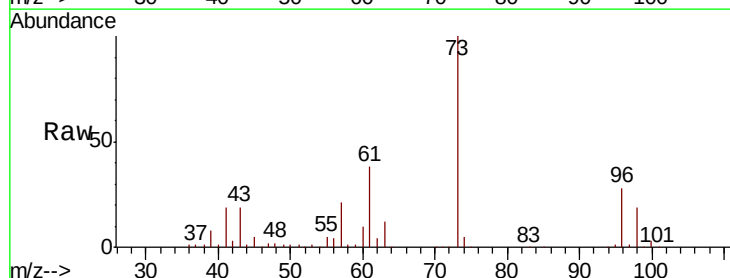
Tgt Ion: 73 Resp: 342657

Ion Ratio Lower Upper

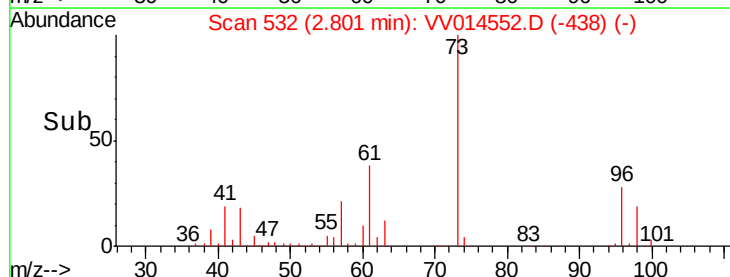
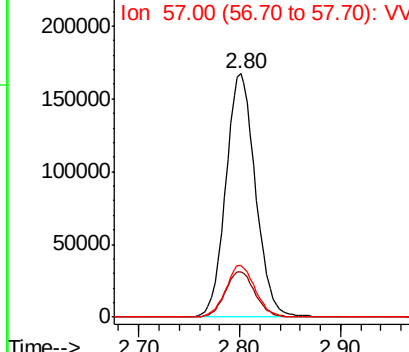
73 100

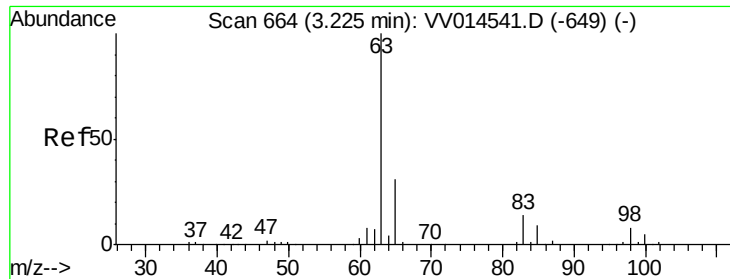
43 18.7 14.9 22.3

57 21.3 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

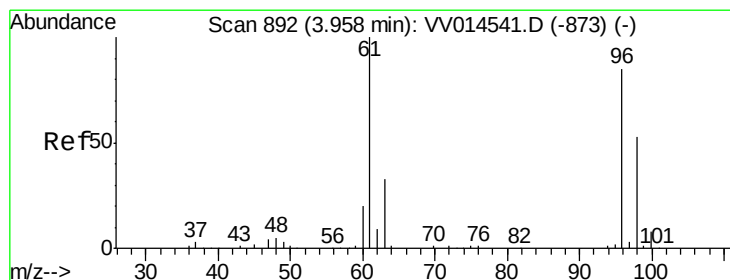
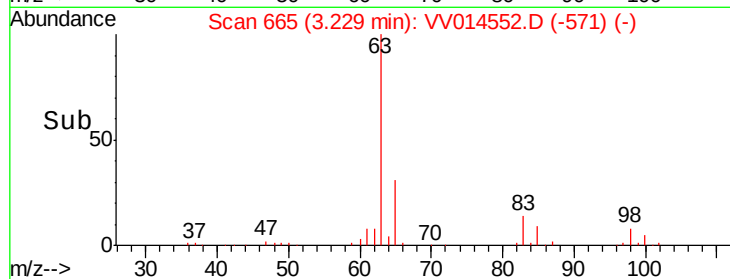
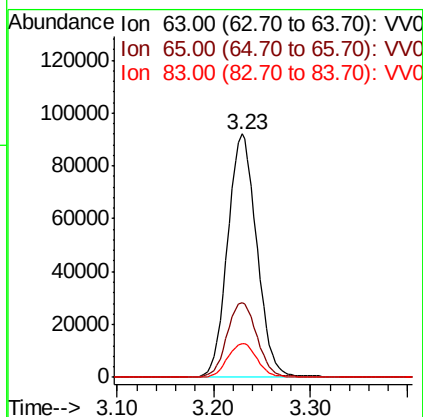
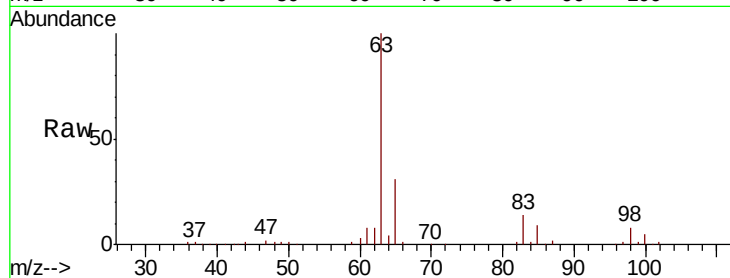




#19
 1,1-Dichloroethane
 Concen: 47.058 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

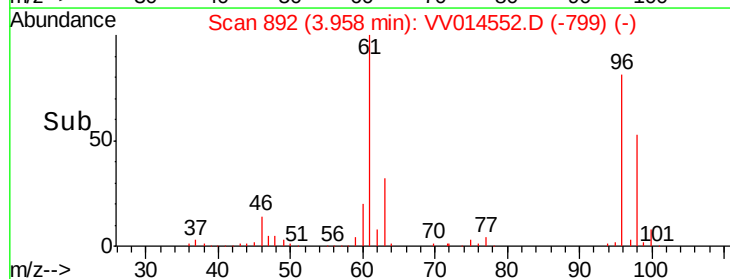
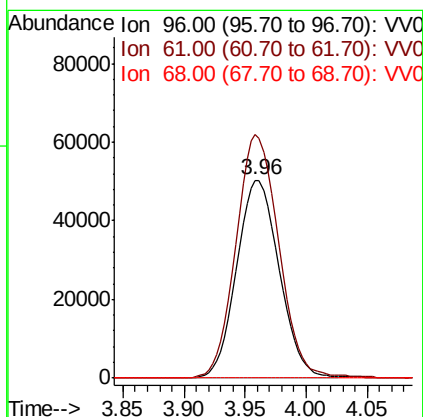
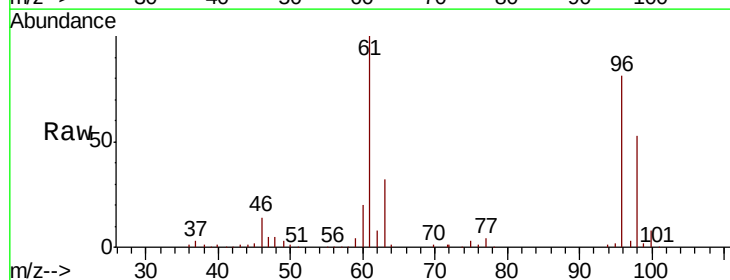
Instrument :
 MSVOA_V
 ClientSampleId :

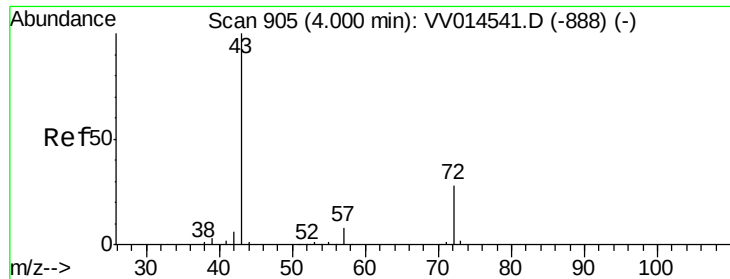
Tot Ion: 63 Resp: 193014
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.5 41.7
 83 13.8 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 47.229 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion: 96 Resp: 121907
 Ion Ratio Lower Upper
 96 100
 61 123.1 85.2 158.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 82.946 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

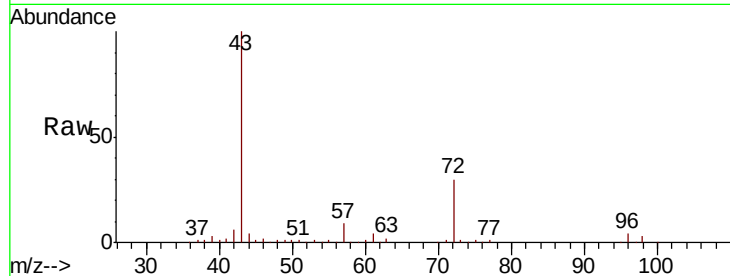
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 145644

Ion Ratio Lower Upper

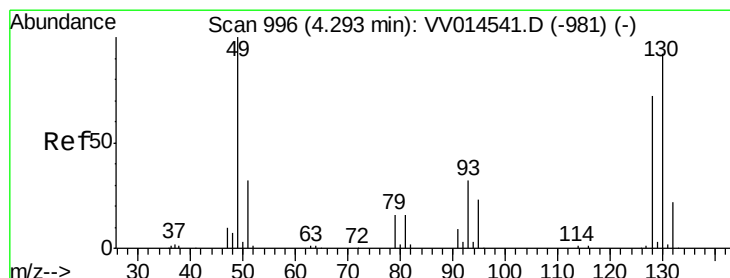
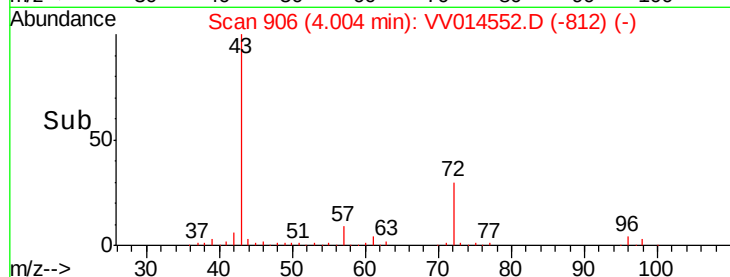
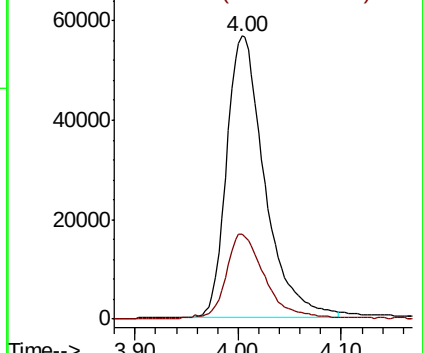
43 100

72 30.6 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014552.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV014552.D (-812) (-)



#23

Bromochloromethane

Concen: 49.112 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

Tgt Ion:128 Resp: 60027

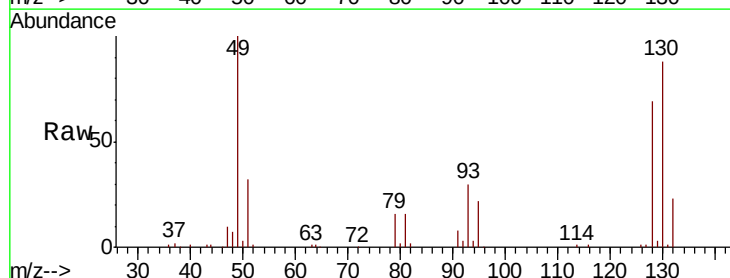
Ion Ratio Lower Upper

128 100

49 144.9 110.1 204.5

130 127.9 88.5 164.4

51 46.4 39.4 59.0

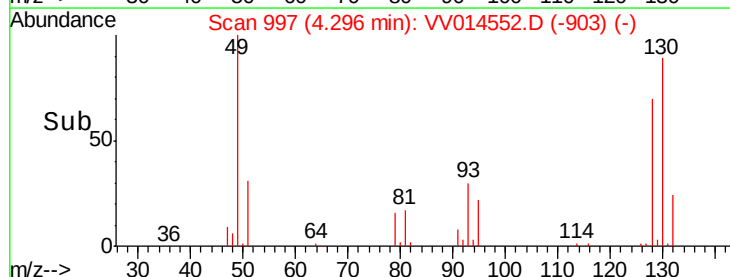
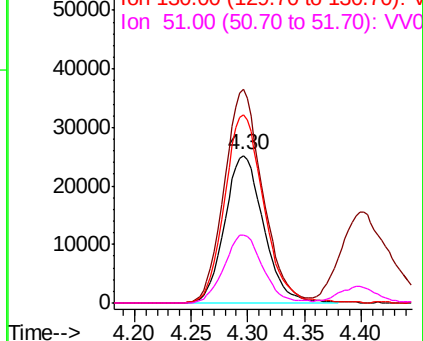


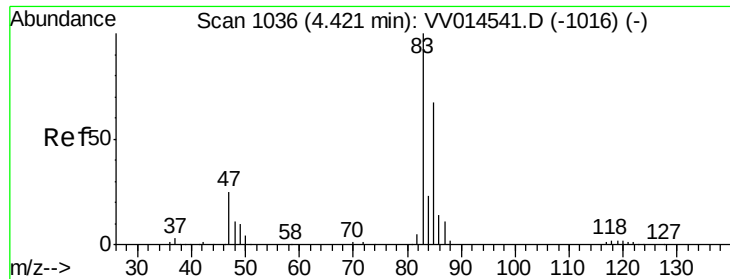
Abundance Ion 128.00 (127.70 to 128.70): VV014552.D (-903) (-)

Ion 49.00 (48.70 to 49.70): VV014552.D (-903) (-)

Ion 130.00 (129.70 to 130.70): VV014552.D (-903) (-)

Ion 51.00 (50.70 to 51.70): VV014552.D (-903) (-)

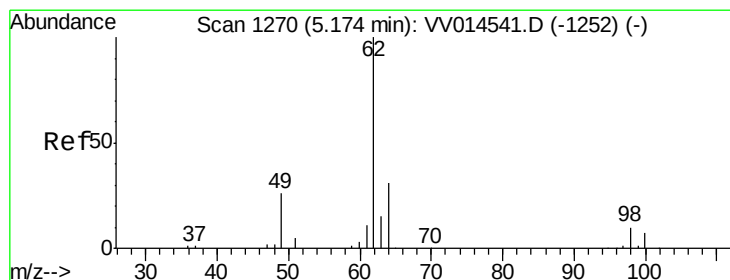
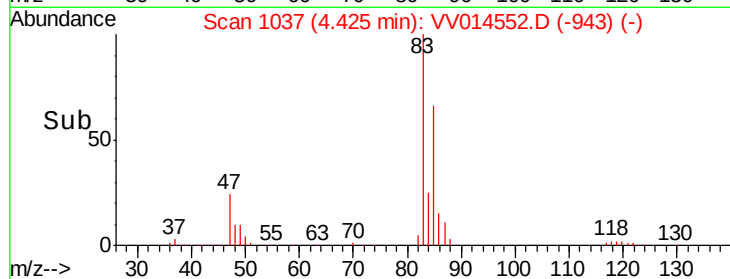
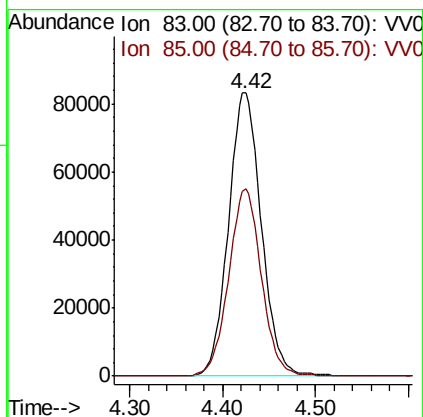
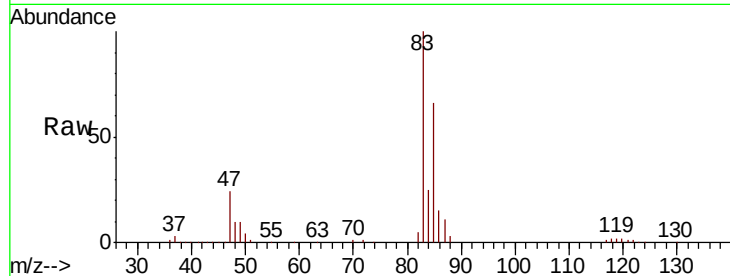




#25
Chloroform
Concen: 49.035 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

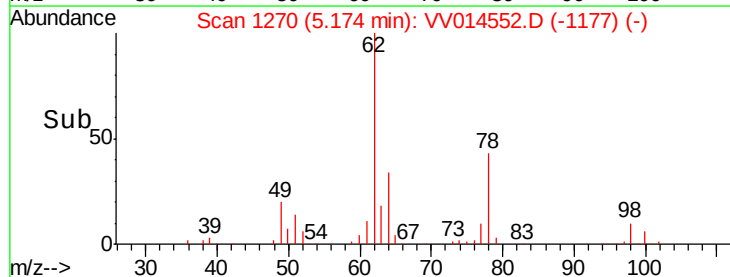
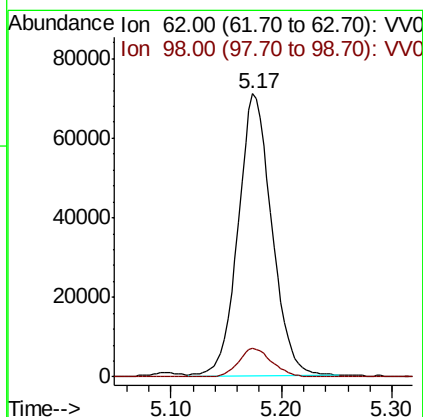
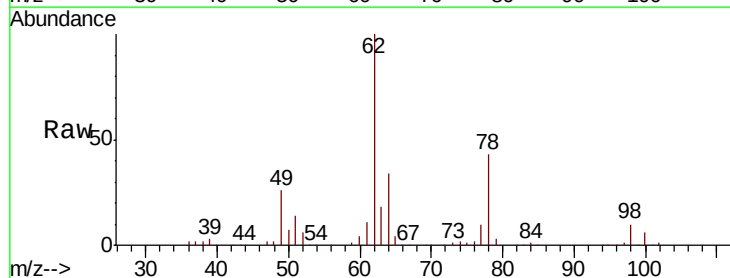
Instrument :
MSVOA_V
ClientSampleId :

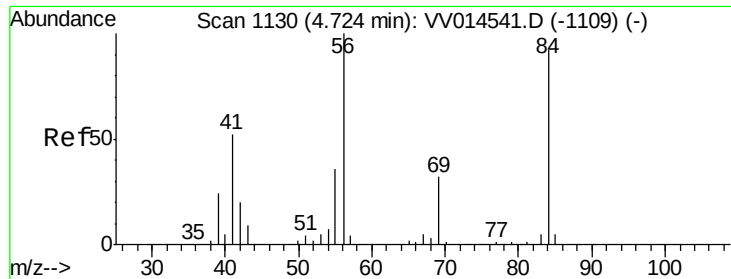
Tot Ion: 83 Resp: 204505
Ion Ratio Lower Upper
83 100
85 66.1 45.8 85.0



#27
1,2-Dichloroethane
Concen: 48.224 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion: 62 Resp: 149860
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.4

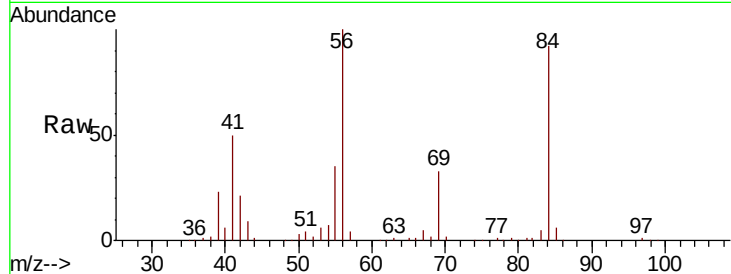




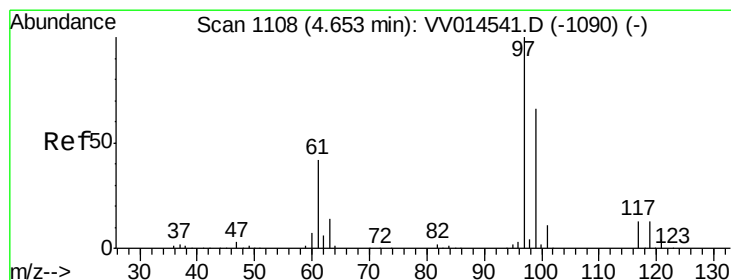
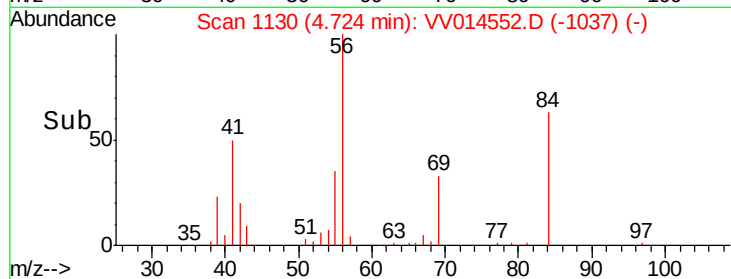
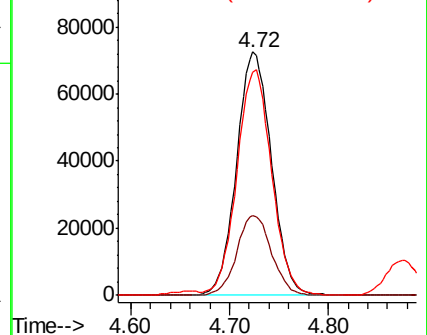
#29
Cyclohexane
Concen: 45.703 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 56 Resp: 178134
Ion Ratio Lower Upper
56 100
69 32.6 25.2 37.8
84 92.4 69.8 104.8

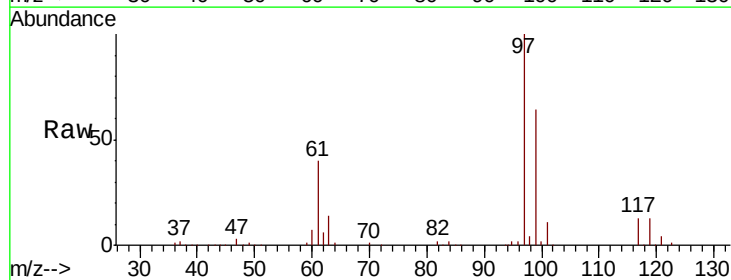


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

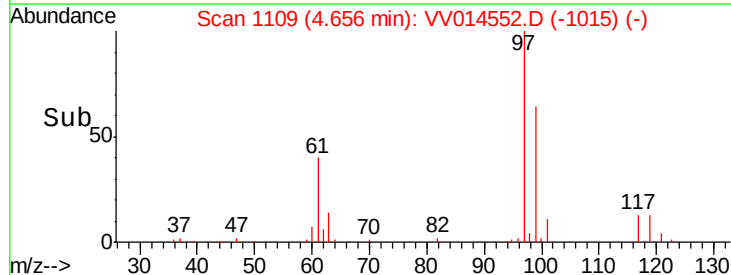
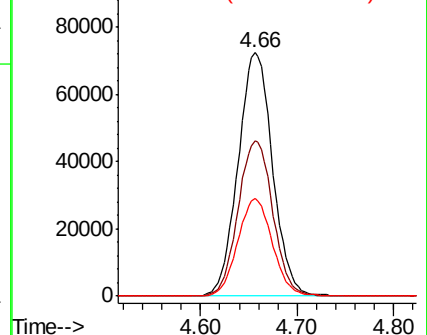


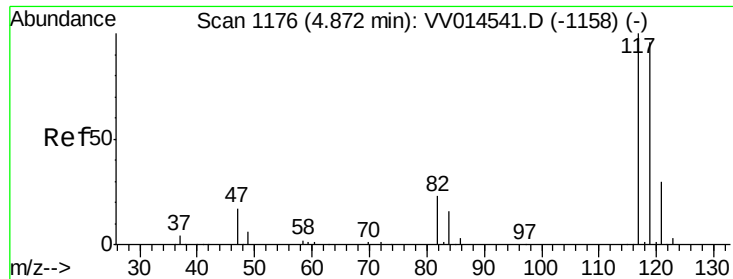
#30
1,1,1-Trichloroethane
Concen: 49.652 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion: 97 Resp: 179635
Ion Ratio Lower Upper
97 100
99 64.2 50.6 76.0
61 40.3 33.0 49.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0

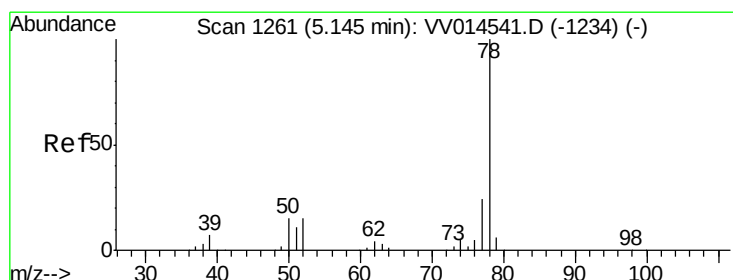
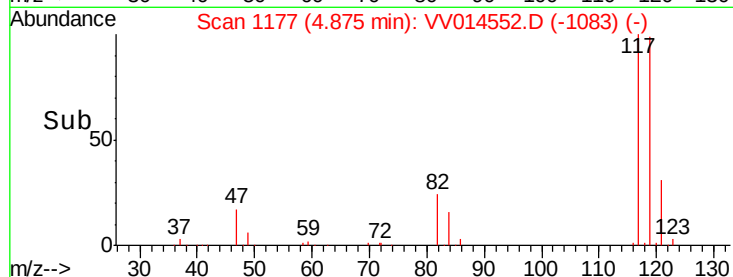
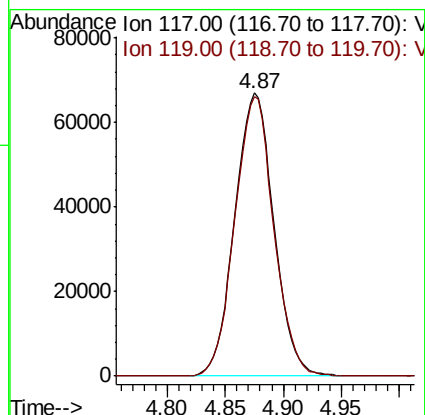
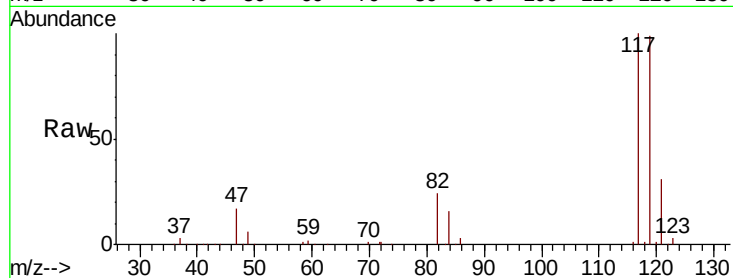




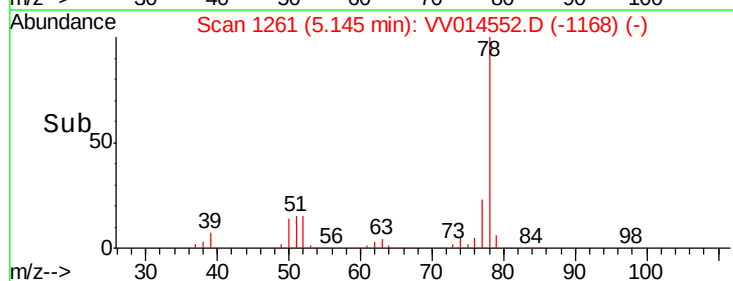
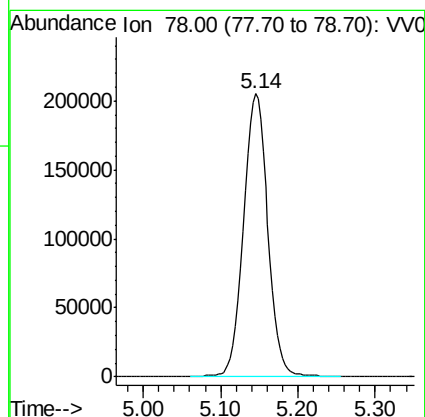
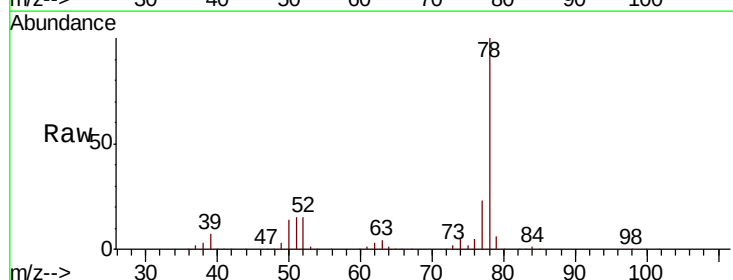
#31
Carbon tetrachloride
Concen: 49.300 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

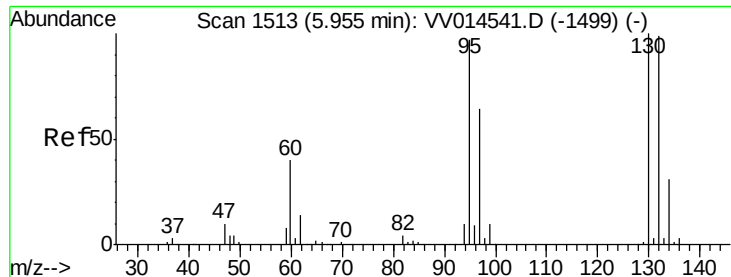
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 157353
Ion Ratio Lower Upper
117 100
119 98.3 76.7 115.1



#33
Benzene
Concen: 48.102 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21
Tgt Ion: 78 Resp: 448296

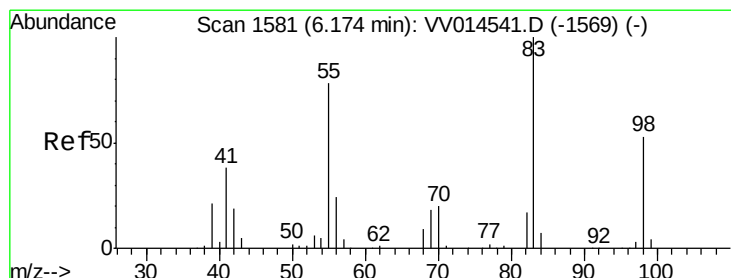
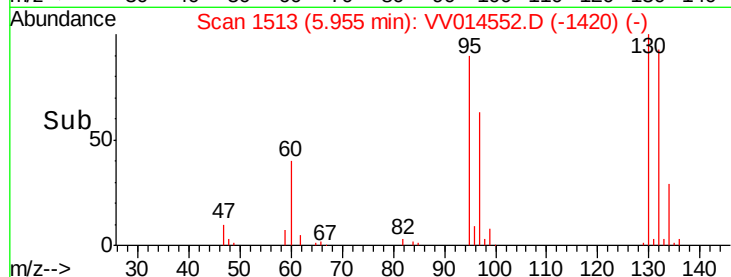
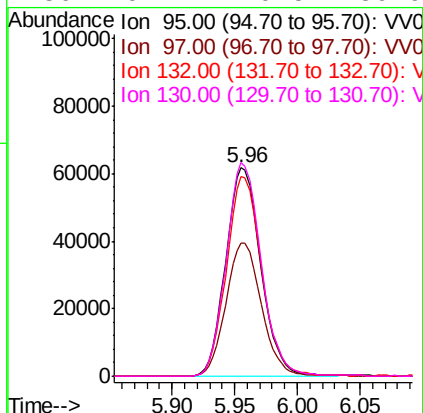
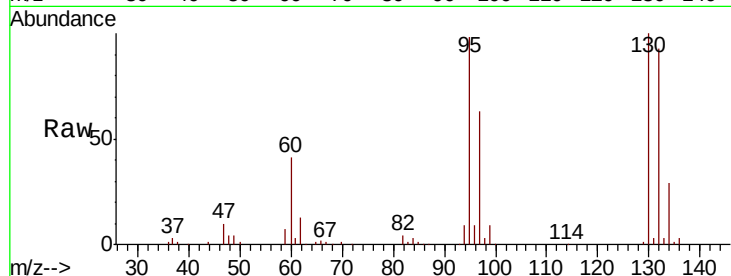




#34
 Trichloroethene
 Concen: 48.590 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

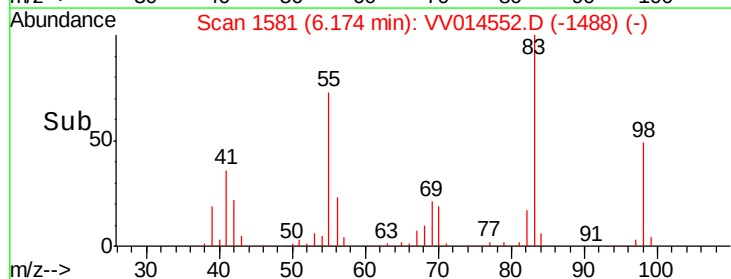
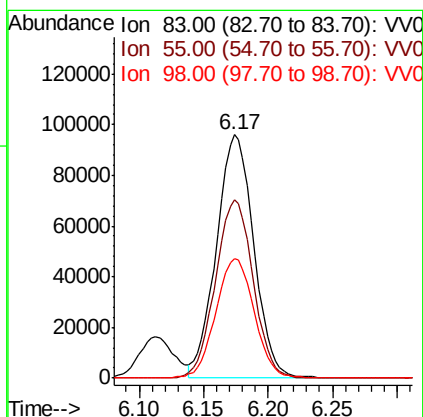
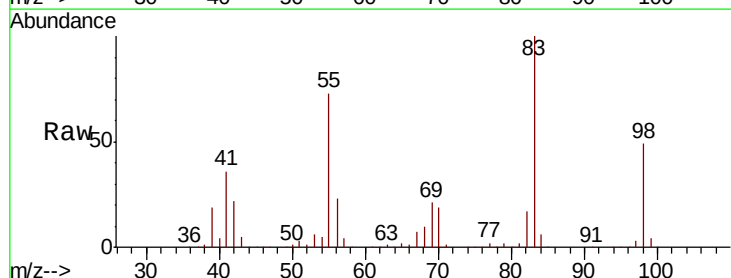
Instrument :
 MSVOA_V
 ClientSampleId :

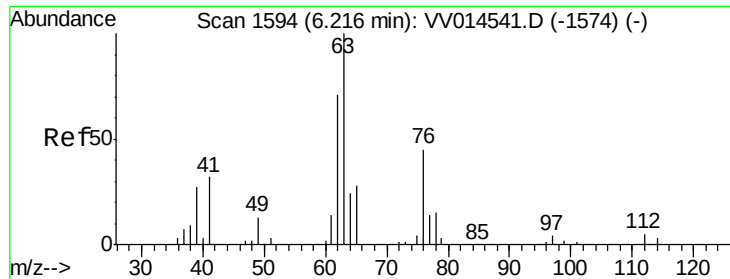
Tot Ion: 95 Resp: 120034
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.1 83.7
 132 95.6 67.7 125.7
 130 102.4 70.5 130.9



#35
 Methylcyclohexane
 Concen: 47.942 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion: 83 Resp: 193537
 Ion Ratio Lower Upper
 83 100
 55 73.5 60.7 91.1
 98 50.0 39.4 59.0

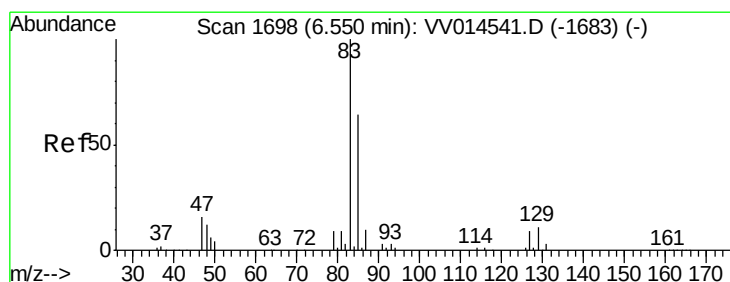
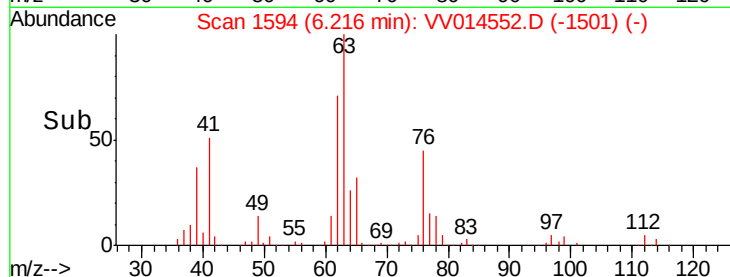
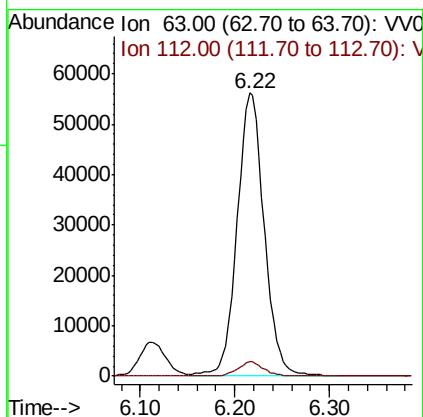
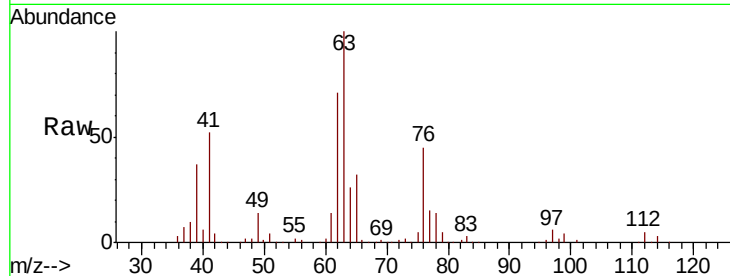




#37
 1,2-Dichloropropane
 Concen: 47.096 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

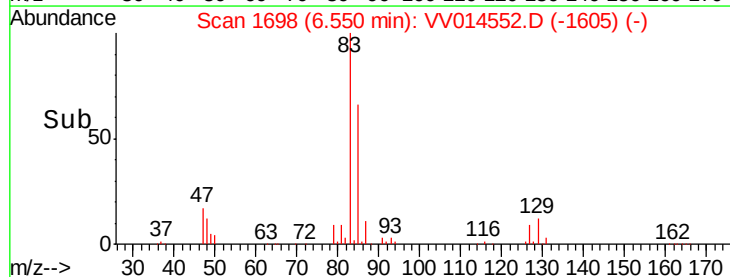
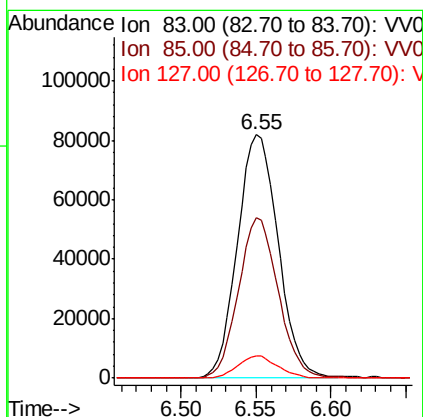
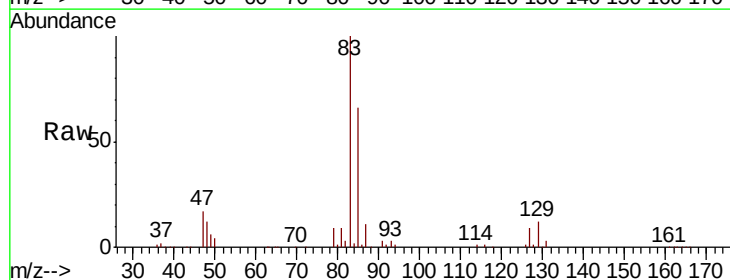
Instrument :
 MSVOA_V
 ClientSampleId :

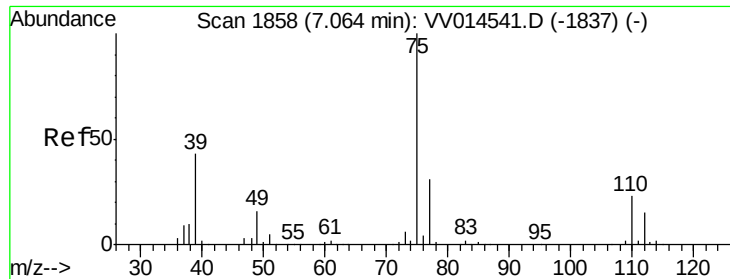
Tot Ion: 63 Resp: 111798
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.7 5.5



#38
 Bromodichloromethane
 Concen: 48.849 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion: 83 Resp: 155621
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.4 82.4
 127 9.1 6.7 10.1



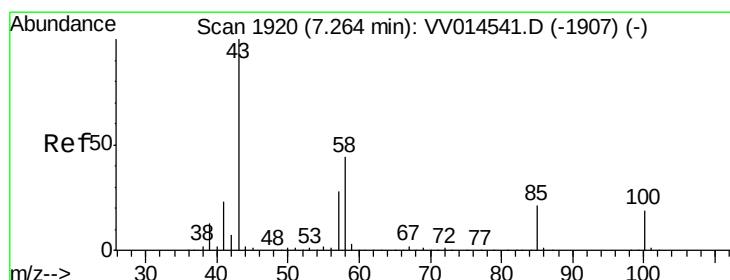
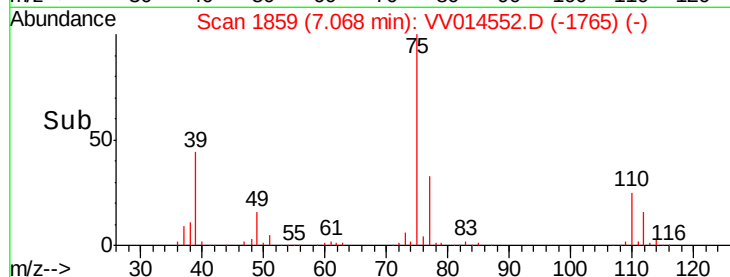
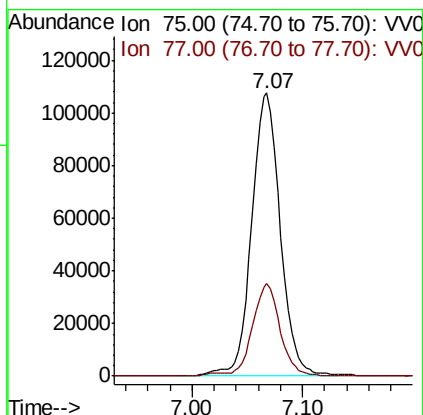
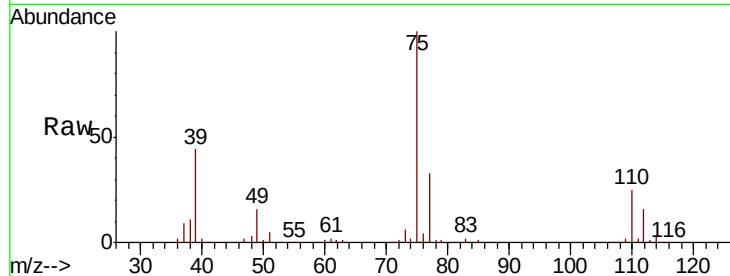


#39

cis-1,3-Dichloropropene
Concen: 48.905 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Instrument :
MSVOA_V
ClientSampled :

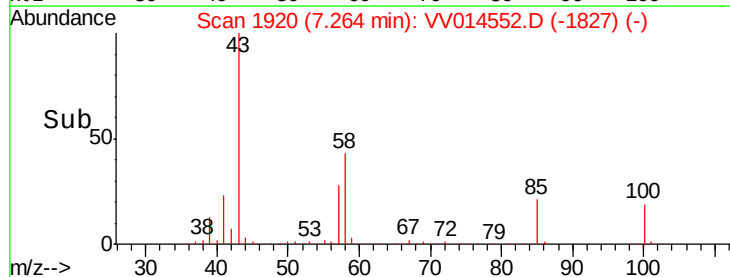
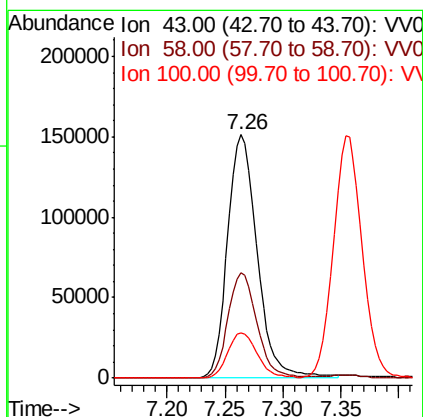
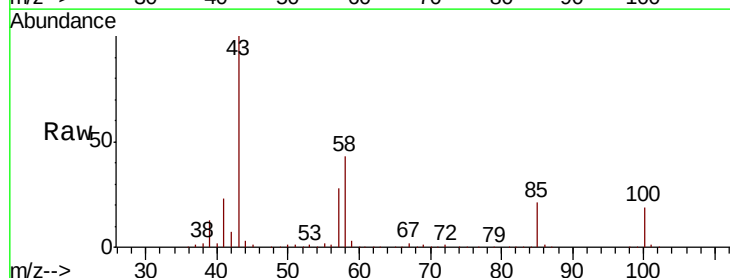
Tot Ion: 75 Resp: 193657
Ion Ratio Lower Upper
75 100
77 32.6 22.7 42.1

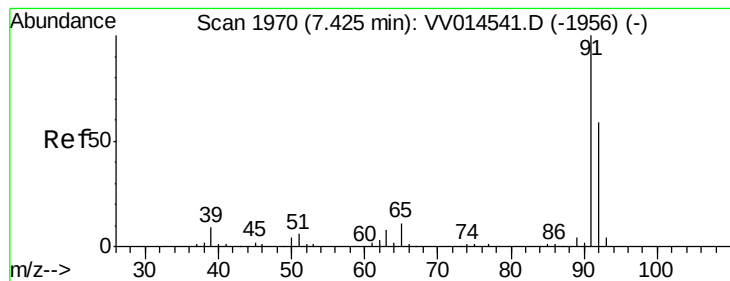


#40

4-Methyl-2-pentanone
Concen: 87.481 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion: 43 Resp: 268362
Ion Ratio Lower Upper
43 100
58 42.5 33.2 49.8
100 18.6 13.9 20.9





#42

Toluene

Concen: 48.178 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

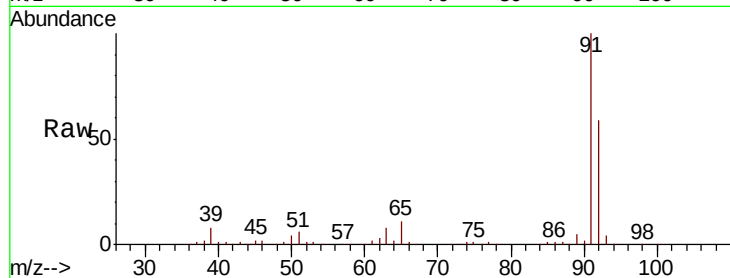
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 481407

Ion Ratio Lower Upper

91 100

92 58.8 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV014541.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV014541.D (-1956) (-)

7.43

300000

250000

200000

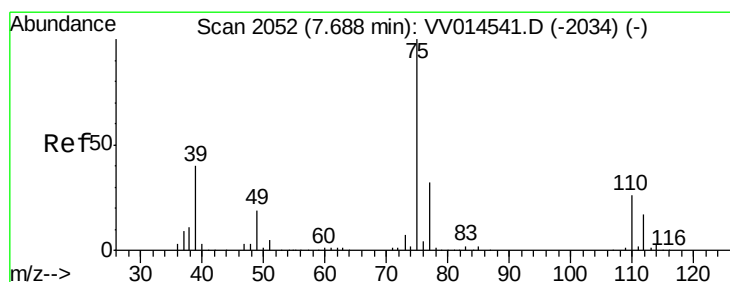
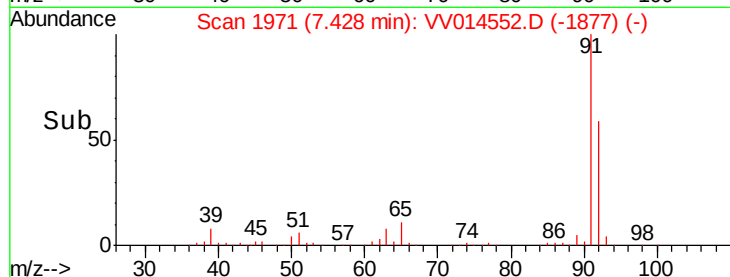
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.526 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014552.D

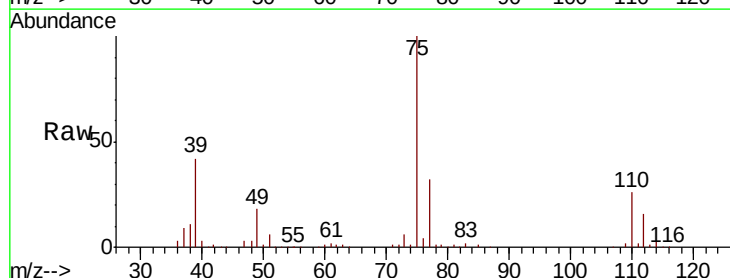
Acq: 10 Feb 2020 15:21

Tgt Ion: 75 Resp: 172293

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV014541.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV014541.D (-2034) (-)

7.69

120000

100000

80000

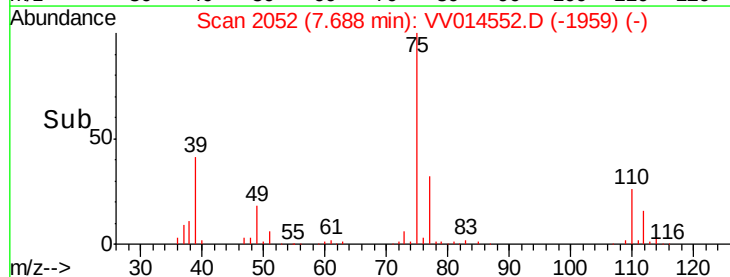
60000

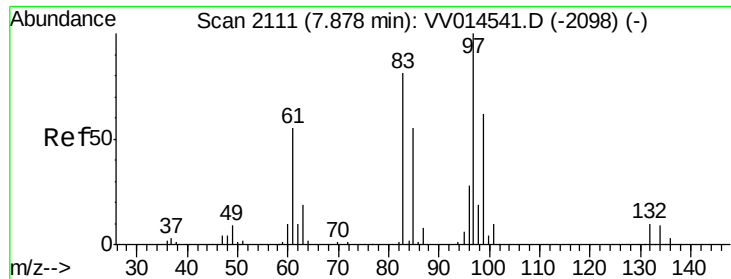
40000

20000

0

Time-->

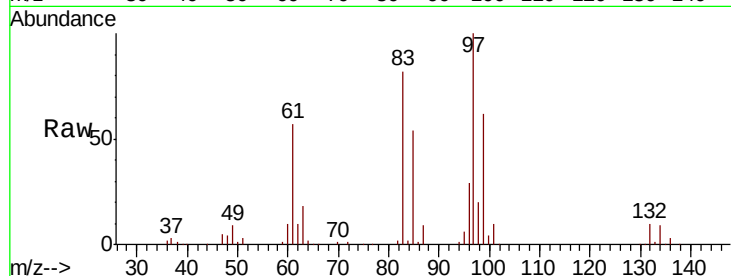




#45
1,1,2-Trichloroethane
Concen: 48.687 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	110879
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.5	82.7
83	82.0	60.1	111.5
85	53.7	38.1	70.9



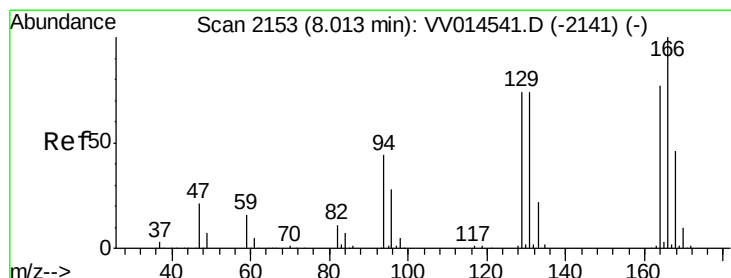
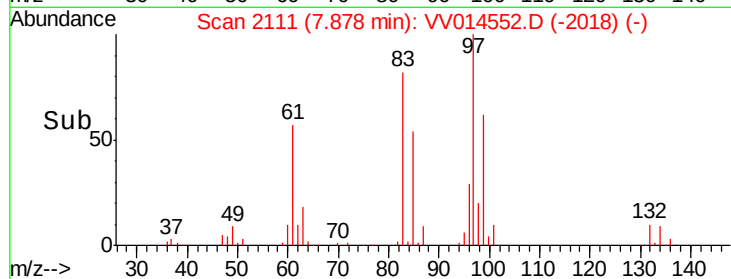
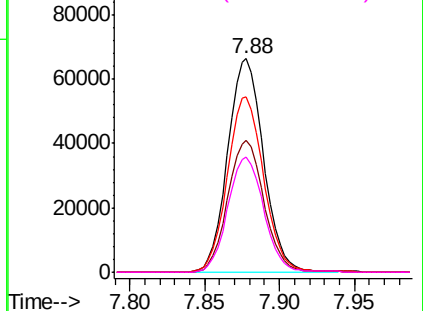
Abundance

Ion 97.00 (96.70 to 97.70): VV014552.D (-2018) (-)

Ion 99.00 (98.70 to 99.70): VV014552.D (-2018) (-)

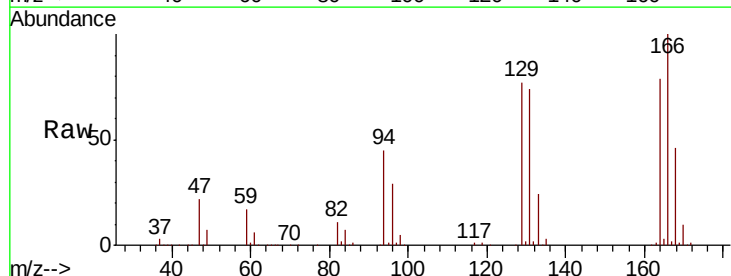
Ion 83.00 (82.70 to 83.70): VV014552.D (-2018) (-)

Ion 85.00 (84.70 to 85.70): VV014552.D (-2018) (-)



#46
Tetrachloroethene
Concen: 49.543 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion:	164	Resp:	93365
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.0	126.4
131	94.0	63.4	117.8
166	126.7	86.9	161.3



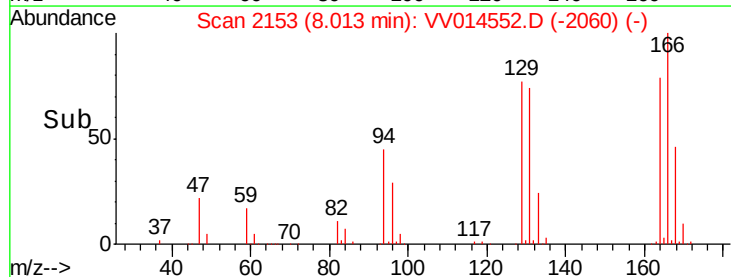
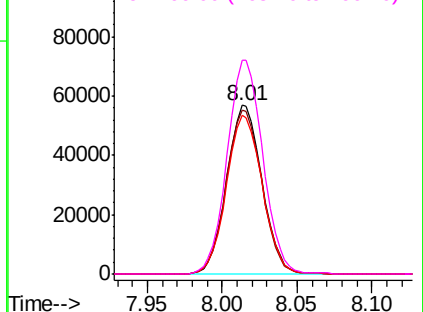
Abundance

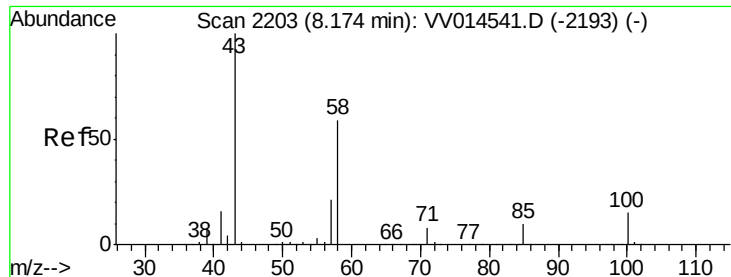
Ion 164.00 (163.70 to 164.70): VV014552.D (-2060) (-)

Ion 129.00 (128.70 to 129.70): VV014552.D (-2060) (-)

Ion 131.00 (130.70 to 131.70): VV014552.D (-2060) (-)

Ion 166.00 (165.70 to 166.70): VV014552.D (-2060) (-)

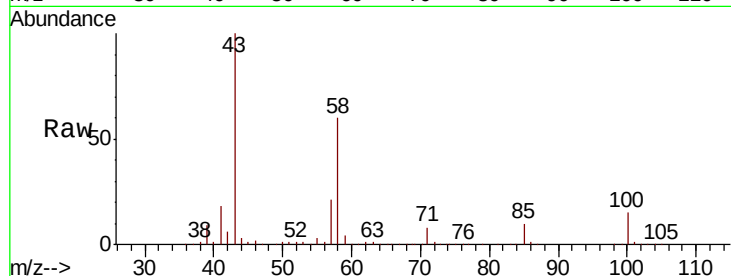




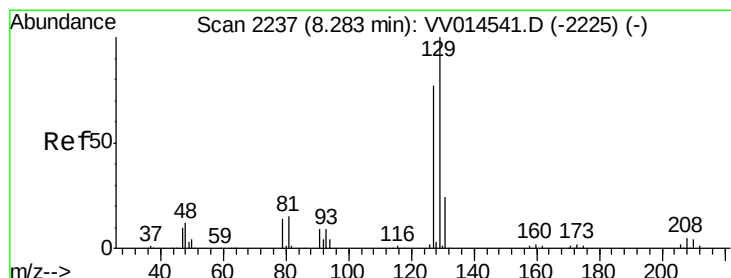
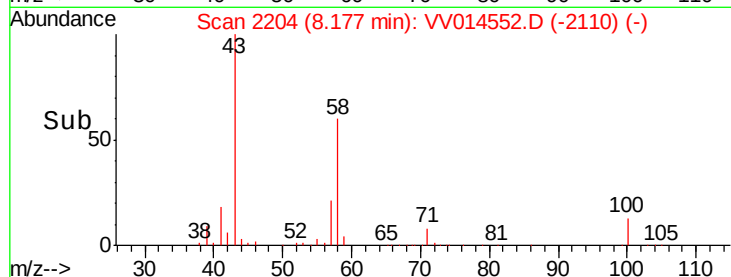
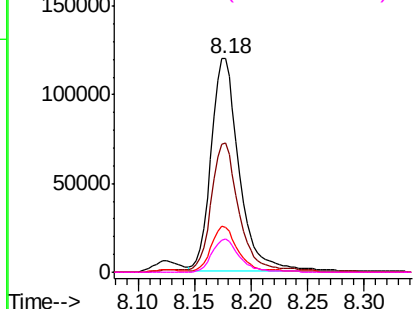
#48
2-Hexanone
Concen: 87.760 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	207250
Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.5	68.3
57	19.3	15.8	23.6
100	15.3	10.8	16.2

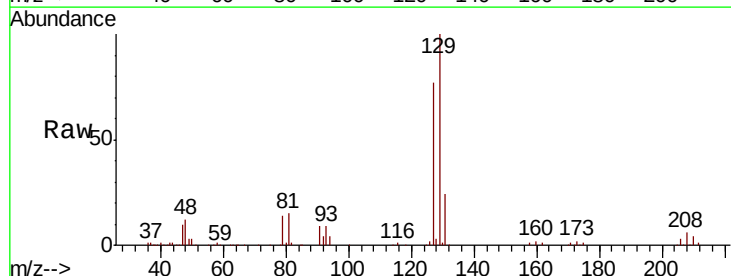


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

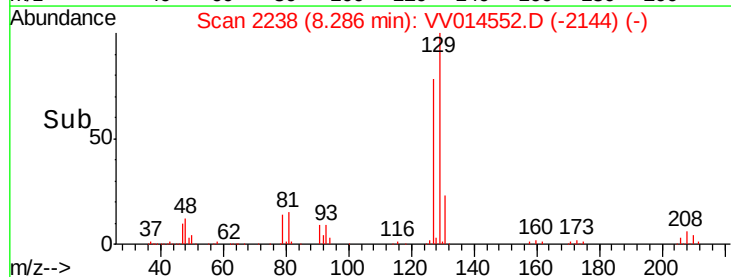
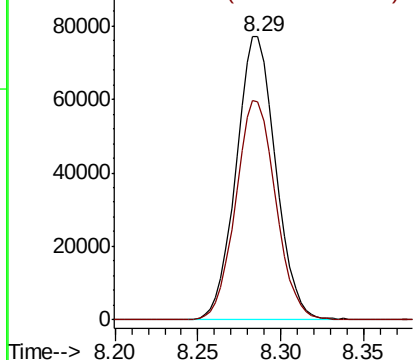


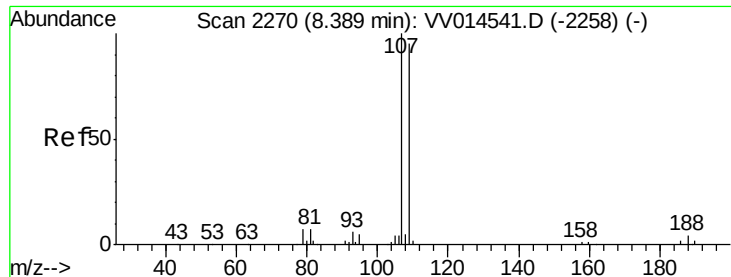
#49
Dibromochloromethane
Concen: 49.794 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion:	129	Resp:	128029
Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.1	100.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

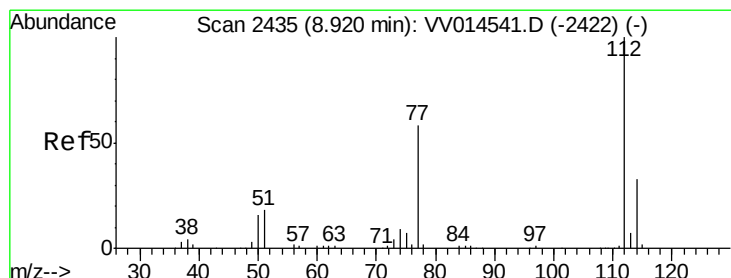
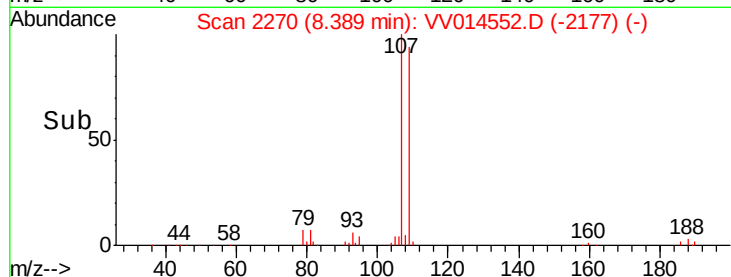
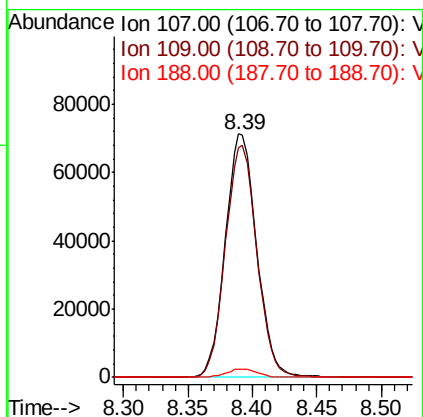
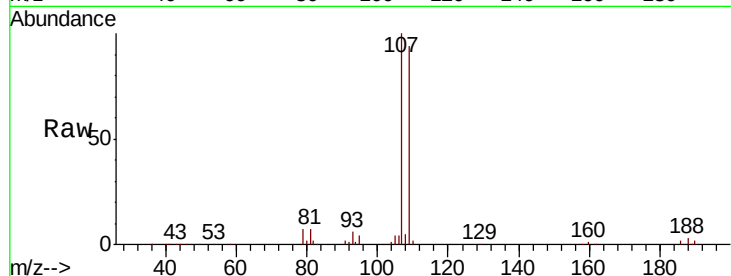




#50
 1,2-Dibromoethane
 Concen: 48.828 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

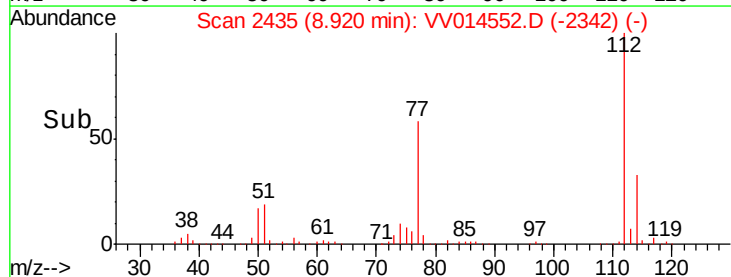
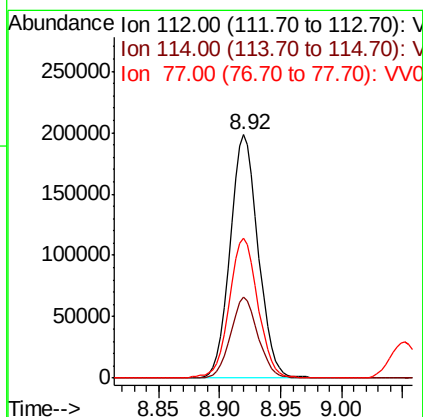
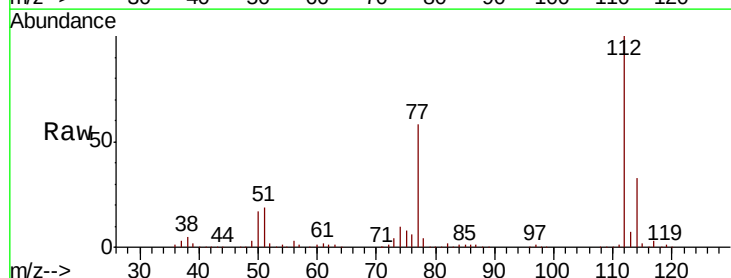
Instrument :
 MSVOA_V
 ClientSampleId :

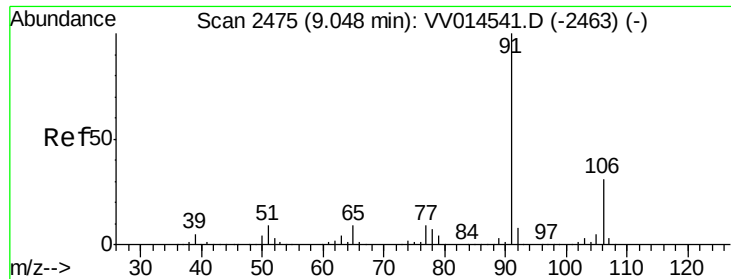
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	65.2	121.2
188	3.5	2.6	4.0



#51
 Chlorobenzene
 Concen: 48.821 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.3	41.5
77	57.5	47.3	70.9





#52

Ethylbenzene

Concen: 49.049 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

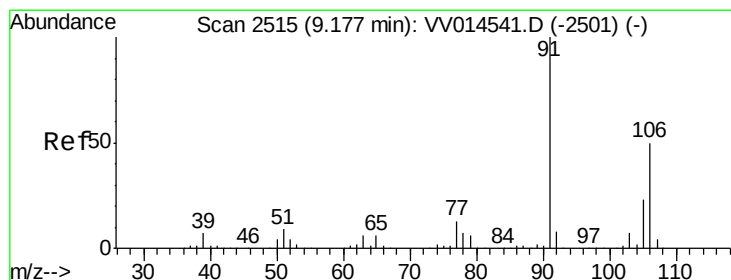
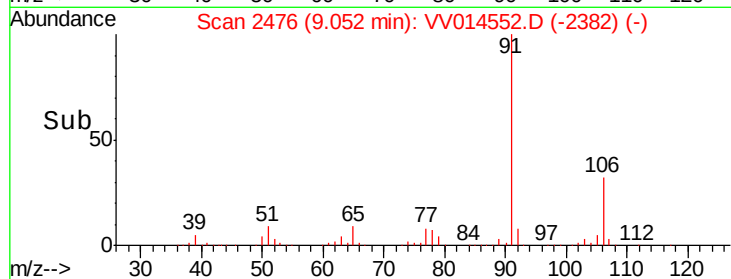
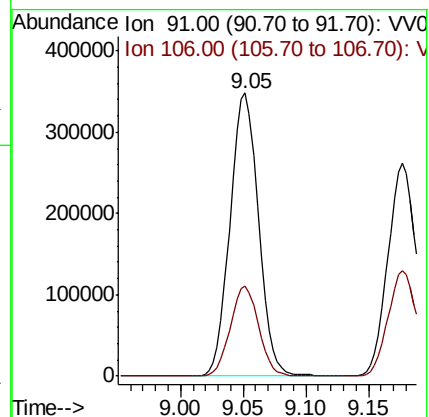
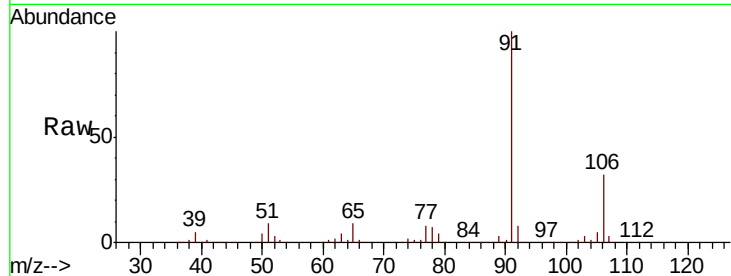
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 549638

Ion Ratio Lower Upper

91 100

106 31.7 21.5 39.9



#53

m,p-Xylene

Concen: 48.785 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014552.D

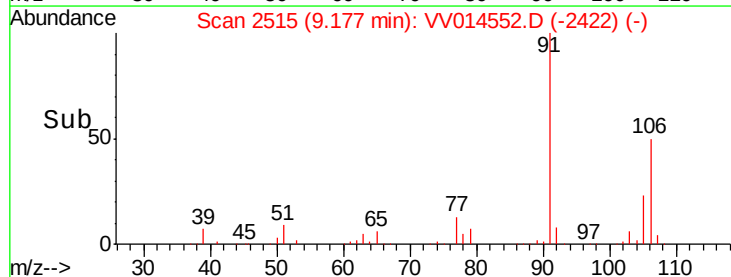
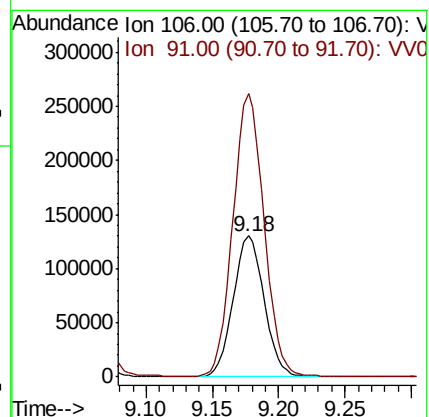
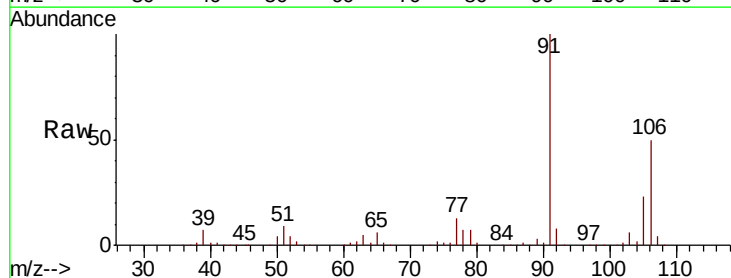
Acq: 10 Feb 2020 15:21

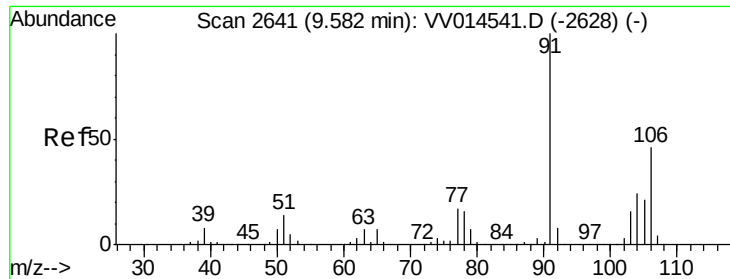
Tgt Ion: 106 Resp: 210575

Ion Ratio Lower Upper

106 100

91 200.7 141.4 262.6

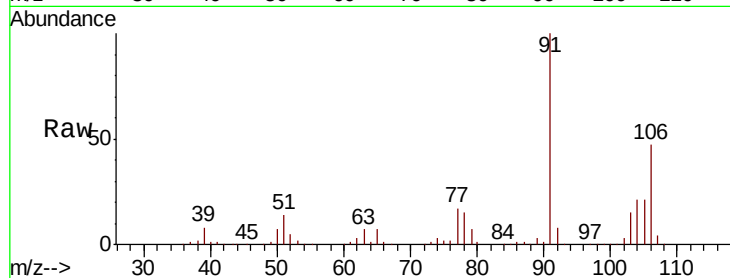




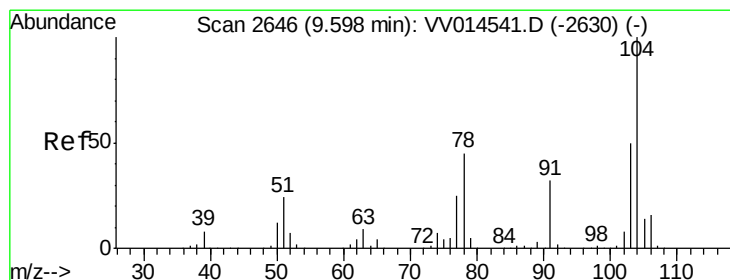
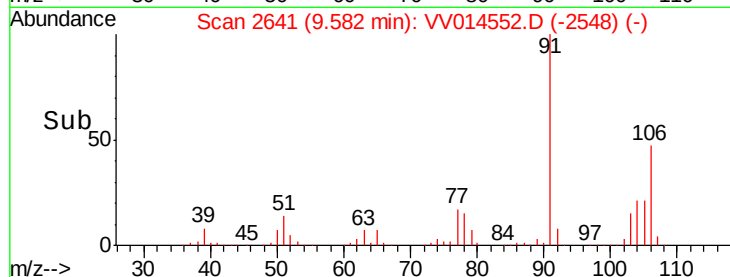
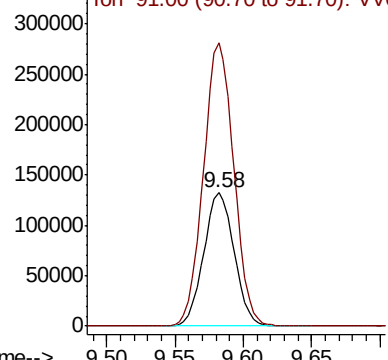
#54
o-Xylene
Concen: 49.728 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 205445
Ion Ratio Lower Upper
106 100
91 212.7 149.4 277.4

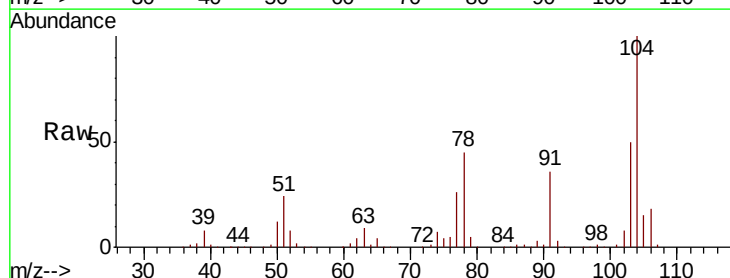


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

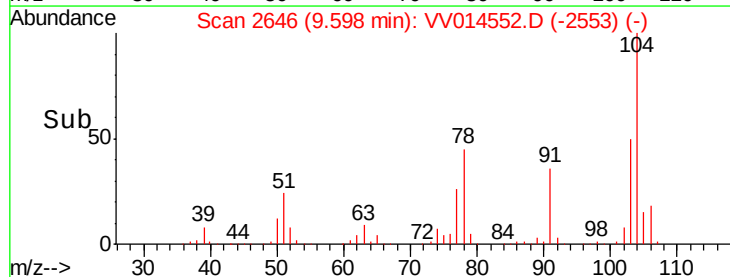
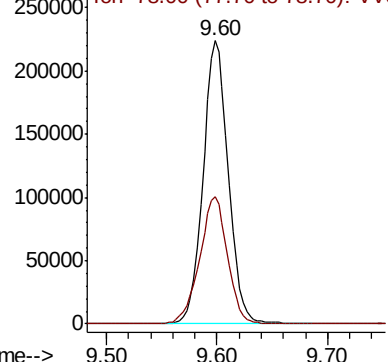


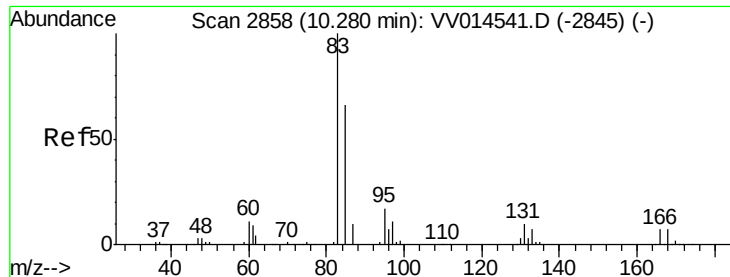
#55
Styrene
Concen: 50.207 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion:104 Resp: 354512
Ion Ratio Lower Upper
104 100
78 45.0 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

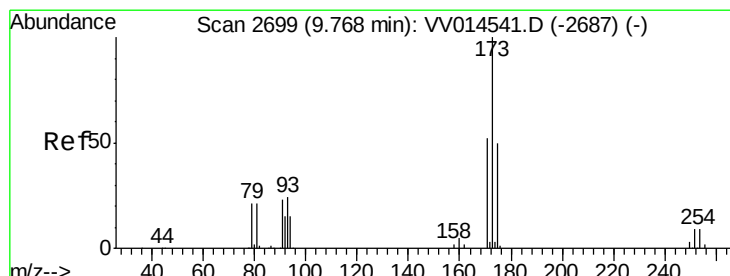
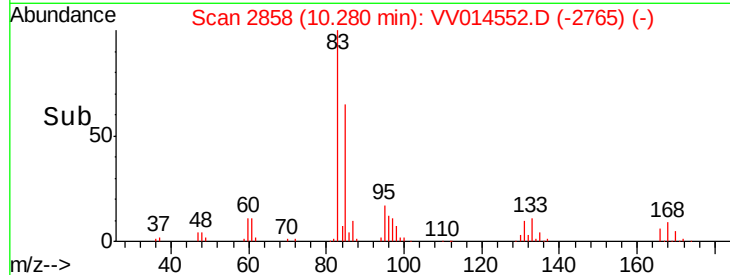
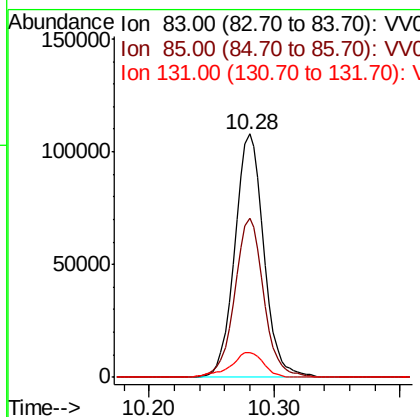
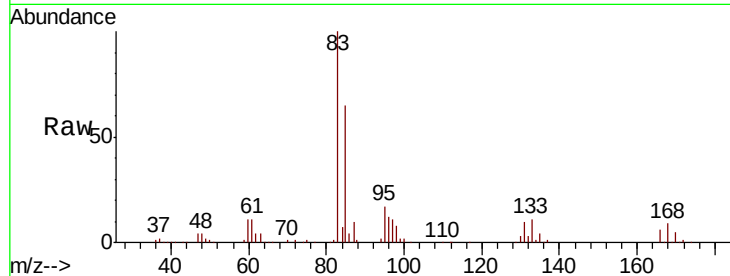




#57
 1,1,2,2-Tetrachloroethane
 Concen: 48.493 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

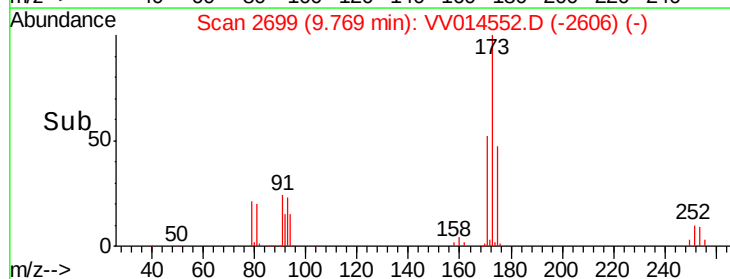
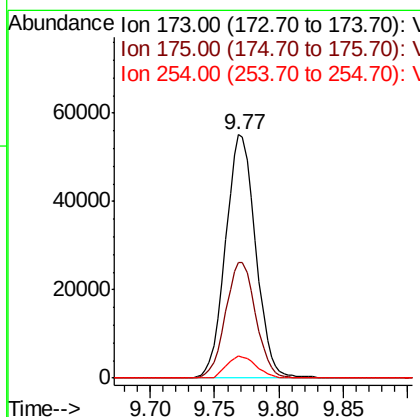
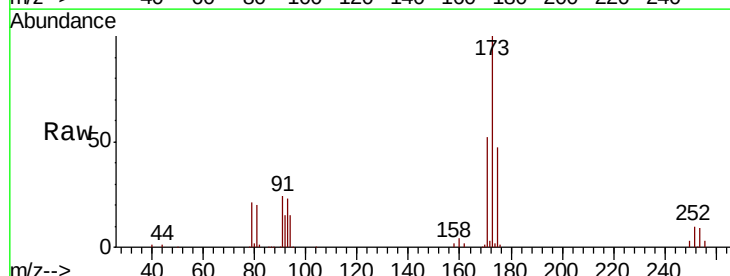
Instrument :
 MSVOA_V
 ClientSampleID :

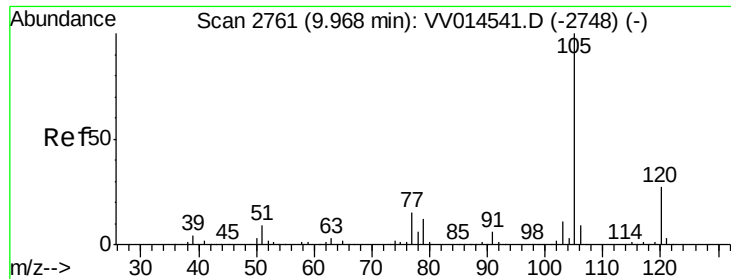
Tot Ion	83	Resp	173090
Ion Ratio	100		
Lower	45.2		
Upper	84.0		
85	65.2		
131	10.3		
	7.8		
	11.8		



#59
 Bromoform
 Concen: 49.422 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion	173	Resp	89167
Ion Ratio	100		
Lower	37.8		
Upper	56.8		
175	47.7		
254	8.8		
	7.0		
	10.6		





#60

Isopropylbenzene

Concen: 49.382 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

Instrument :

MSVOA_V

ClientSampleId :

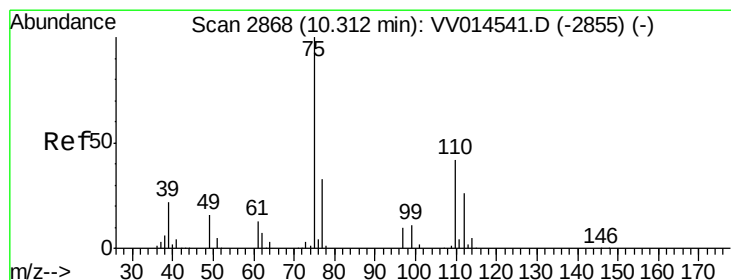
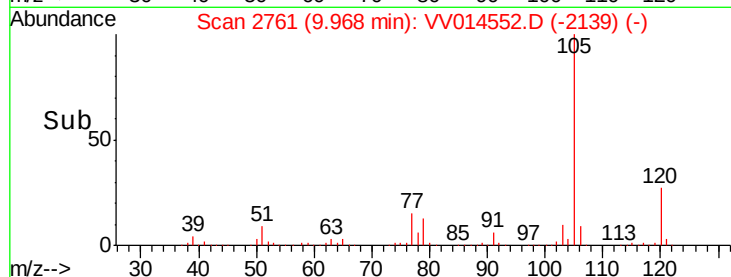
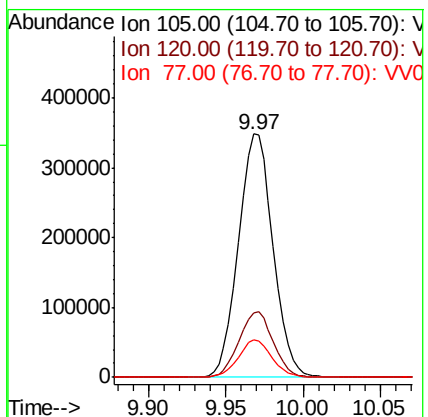
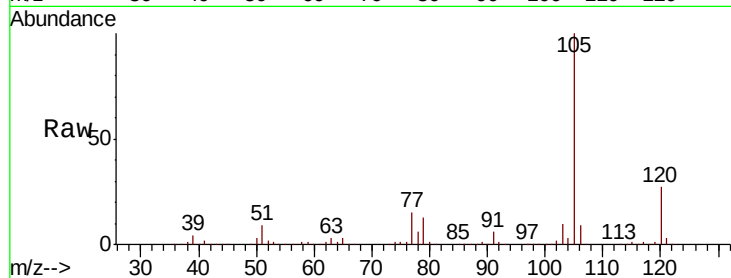
Tot Ion:105 Resp: 540188

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

77 15.0 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 47.008 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014552.D

Acq: 10 Feb 2020 15:21

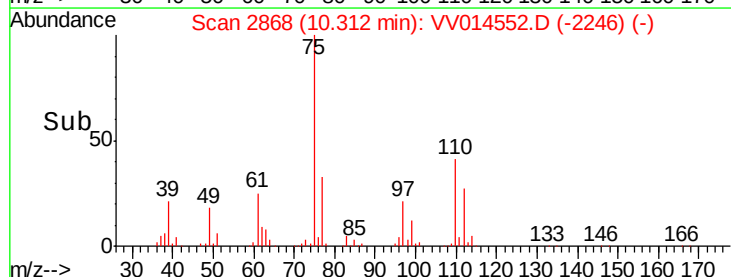
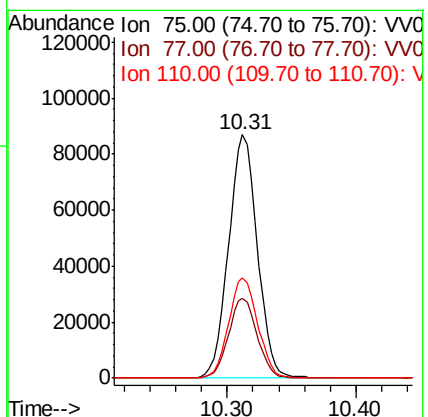
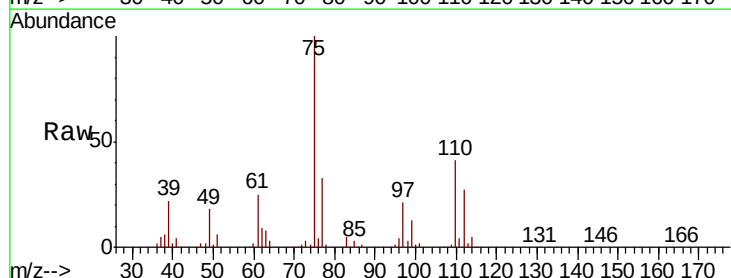
Tgt Ion: 75 Resp: 134665

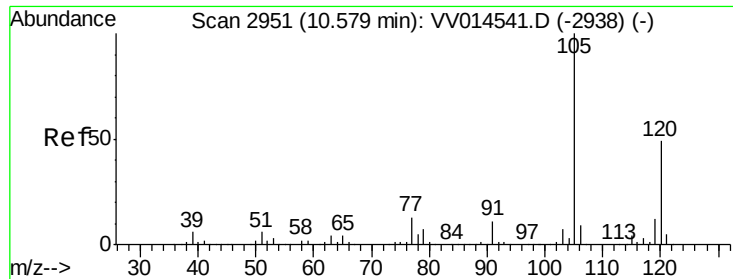
Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.8

110 41.6 32.4 48.6

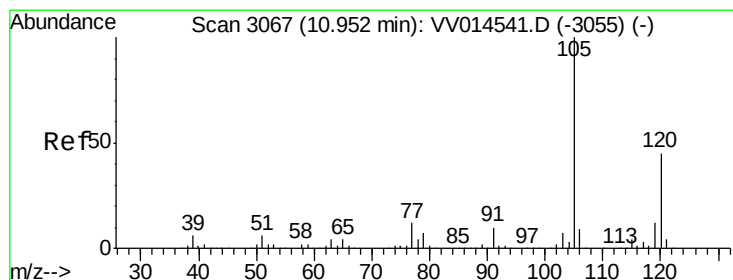
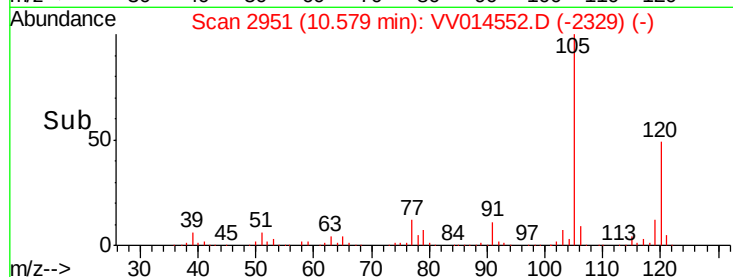
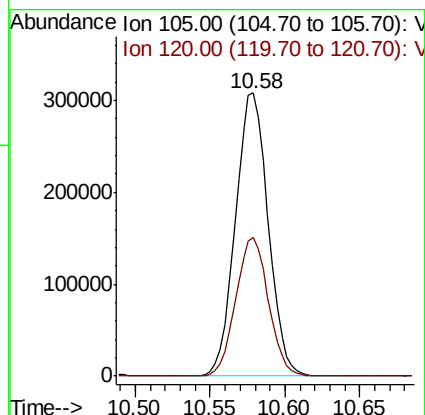
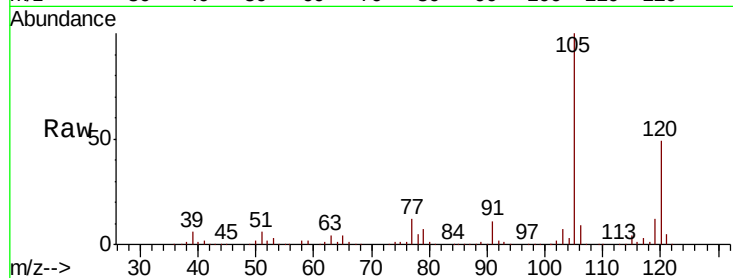




#62
 1,3,5-Trimethylbenzene
 Concen: 50.073 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

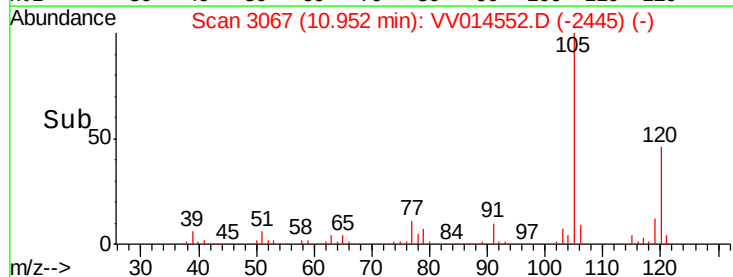
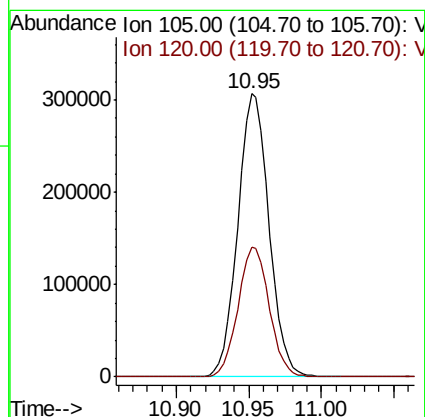
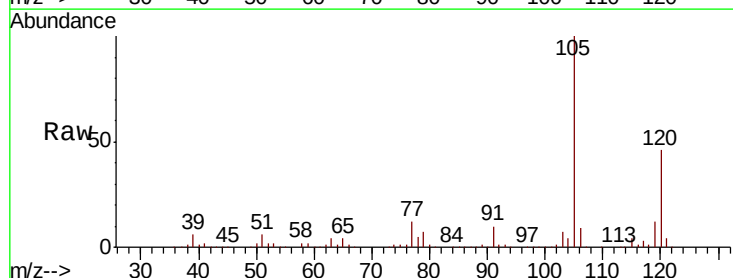
Instrument :
 MSVOA_V
 ClientSampleId :

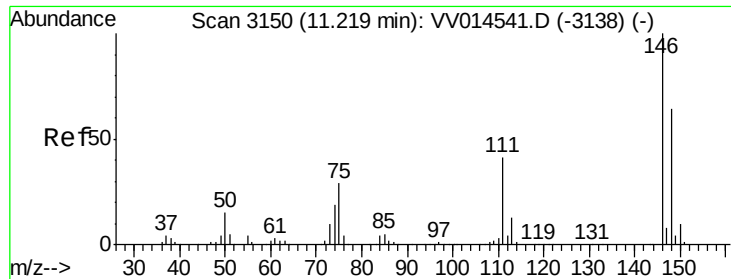
Tot Ion:105 Resp: 468923
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.0 58.6



#63
 1,2,4-Trimethylbenzene
 Concen: 49.452 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion:105 Resp: 456548
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.2 54.4

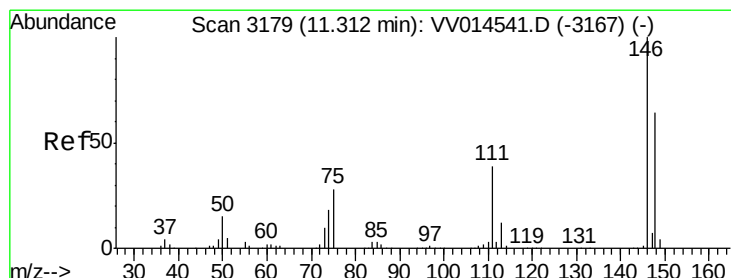
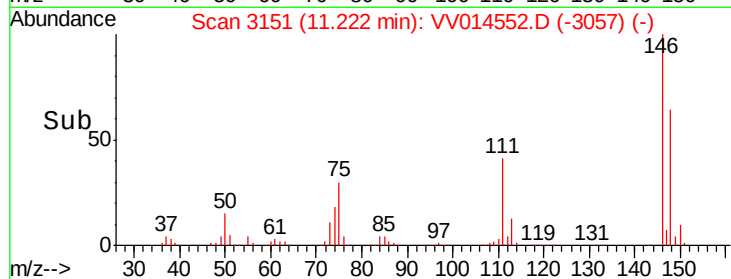
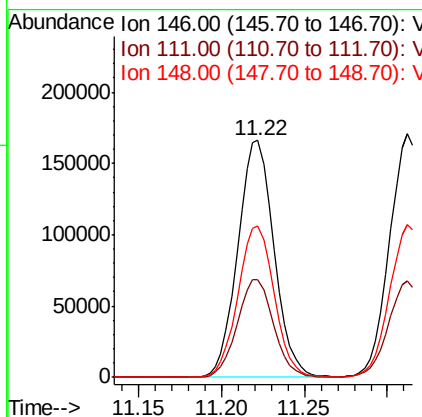
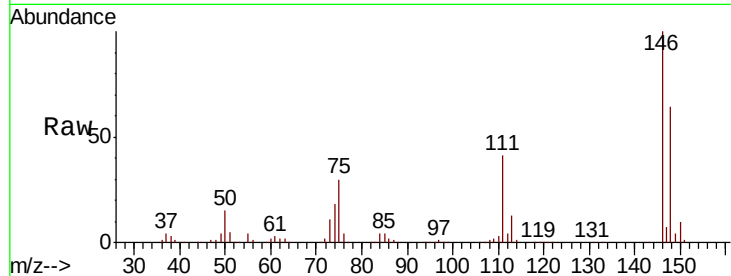




#64
 1,3-Dichlorobenzene
 Concen: 48.954 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

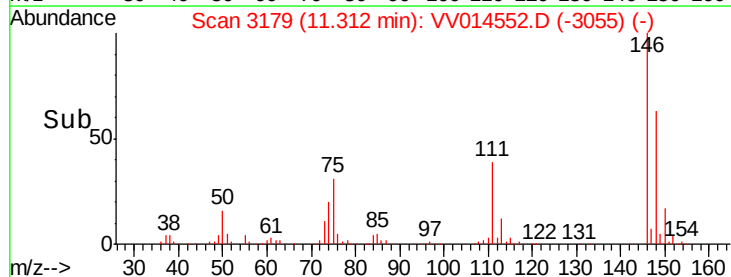
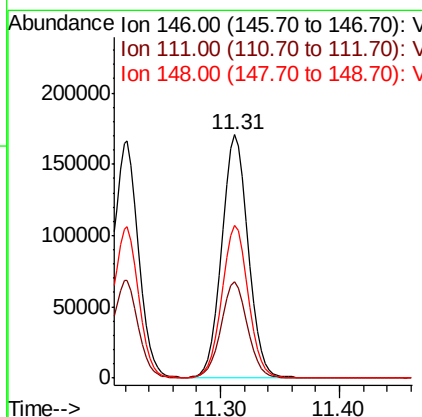
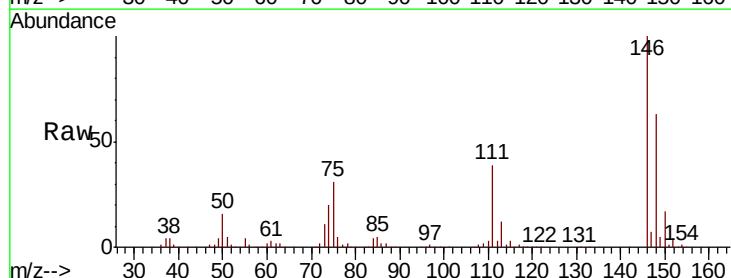
Instrument :
 MSVOA_V
 ClientSampled :

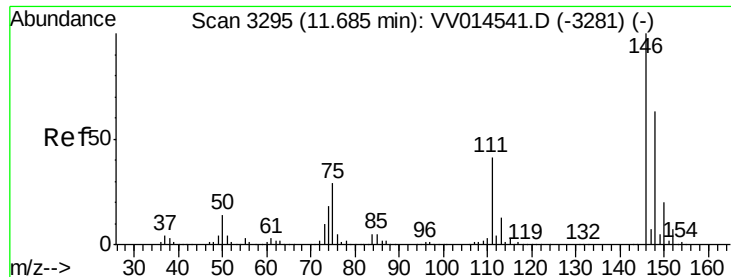
Tot Ion:146 Resp: 252594
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.9 53.7
 148 63.8 44.4 82.5



#65
 1,4-Dichlorobenzene
 Concen: 49.486 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion:146 Resp: 262866
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.1 52.3
 148 62.8 44.4 82.4

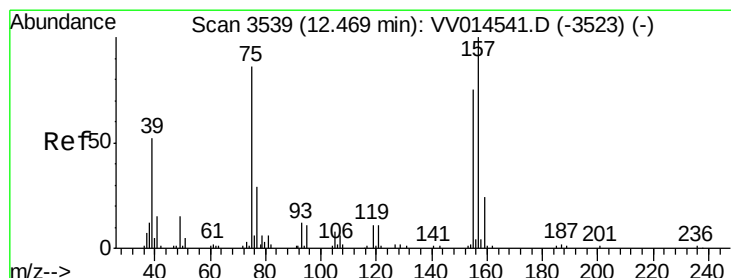
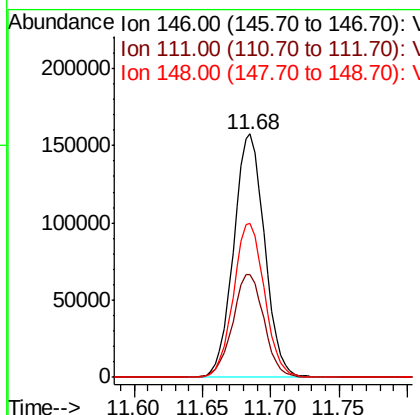
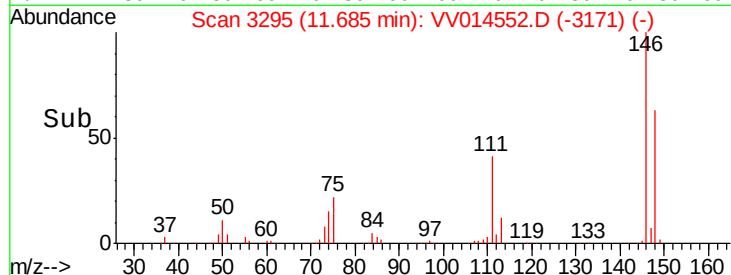
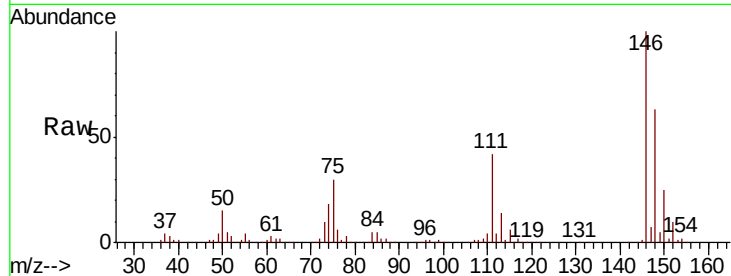




#67
 1,2-Dichlorobenzene
 Concen: 49.640 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

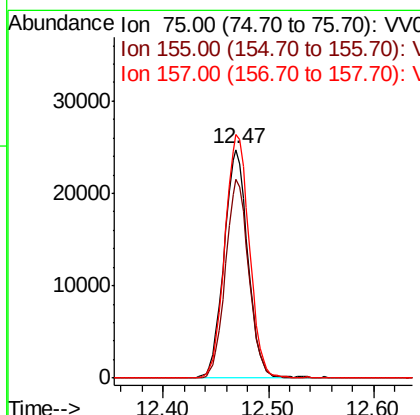
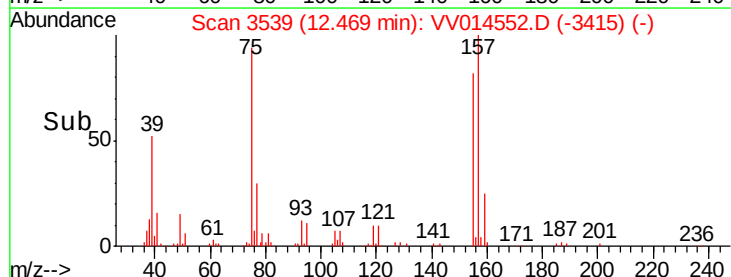
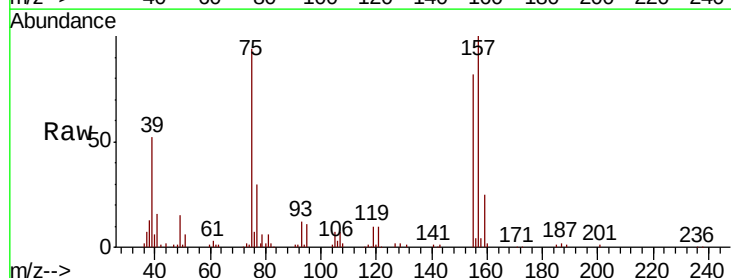
Instrument :
 MSVOA_V
 ClientSampleId :

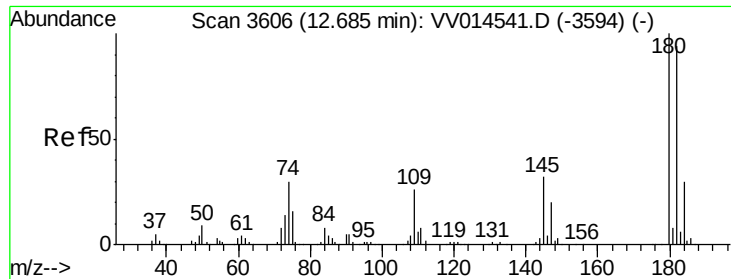
Tot Ion:146 Resp: 248337
 Ion Ratio Lower Upper
 146 100
 111 42.1 34.6 51.8
 148 63.3 50.2 75.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 48.240 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion: 75 Resp: 38701
 Ion Ratio Lower Upper
 75 100
 155 86.8 68.3 102.5
 157 106.5 87.1 130.7

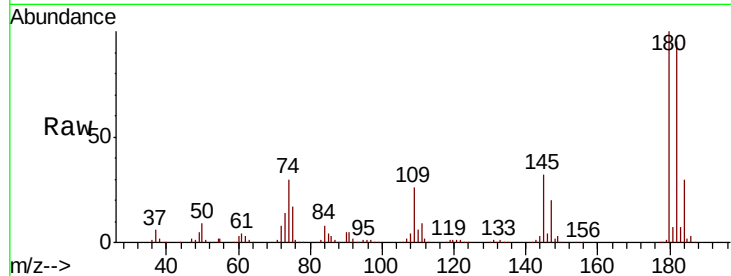




#69
 1,3,5-Trichlorobenzene
 Concen: 50.631 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.0	112.4
184	30.0	24.2	36.2
145	30.8	24.3	36.5



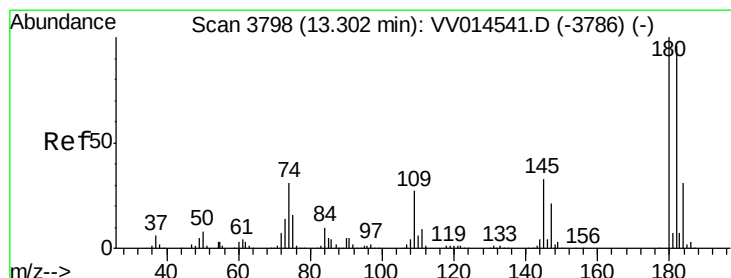
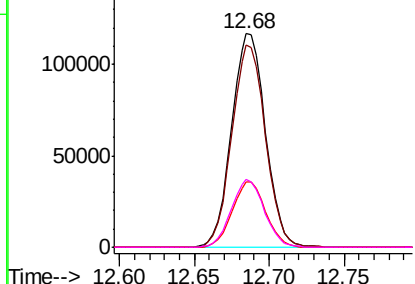
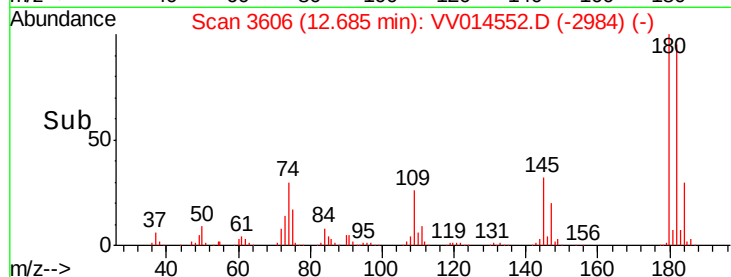
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

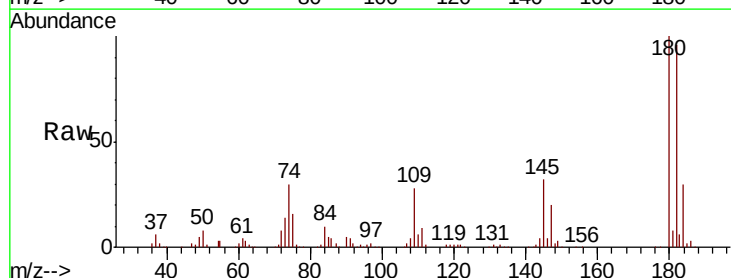
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 50.992 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014552.D
 Acq: 10 Feb 2020 15:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.0	114.0
145	31.9	25.3	37.9

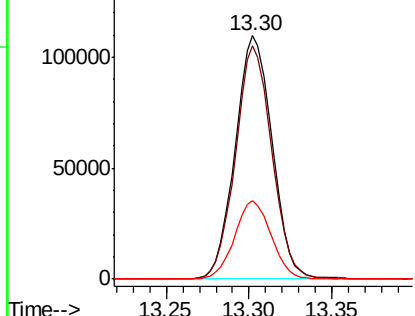
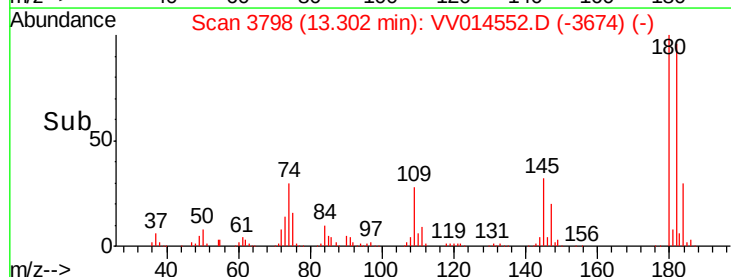


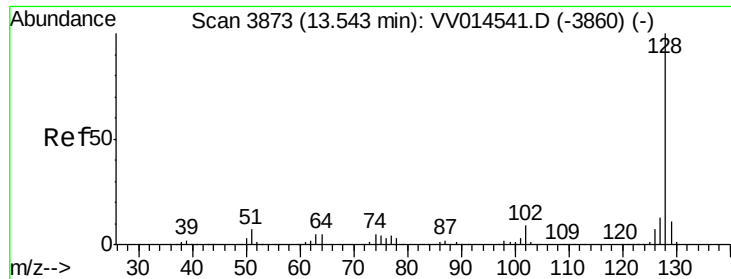
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

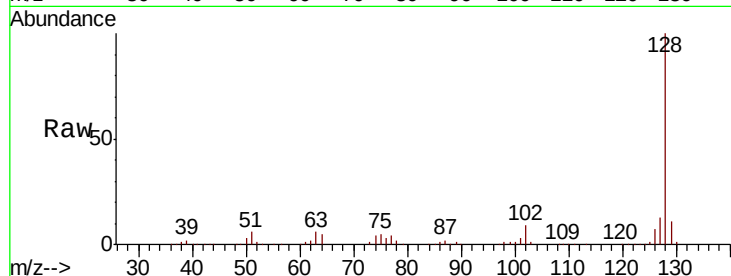




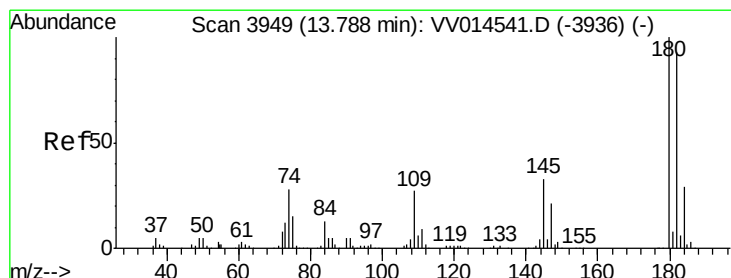
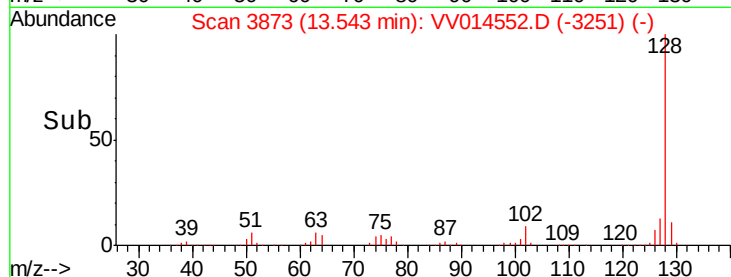
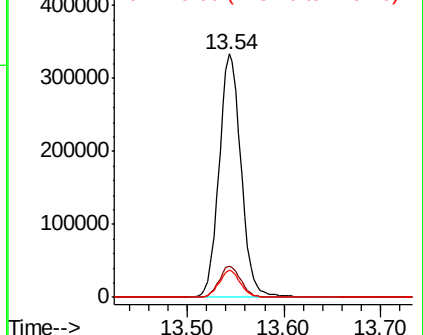
#71
Naphthalene
Concen: 47.986 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 526074
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.6 8.7 13.1

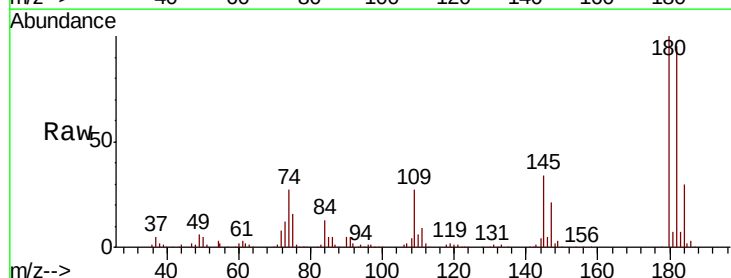


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 50.055 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014552.D
Acq: 10 Feb 2020 15:21

Tgt Ion:180 Resp: 162313
Ion Ratio Lower Upper
180 100
182 94.9 75.2 112.8
145 34.3 27.1 40.7



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

