

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010220\
 Data File : VV014250.D
 Acq On : 02 Jan 2020 15:29
 Operator : SY/MD
 Sample : VSTD02033
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:05:02 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	931826	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	849828	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	398562	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1242808	25.74	ug/L	0.00
7) Chloroethane-d5	1.59	69	944747	23.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1800007	21.63	ug/L	0.00
20) 2-Butanone-d5	3.95	46	3162222	262.81	ug/L	0.00
24) Chloroform-d	4.40	84	2441168	21.40	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	1205720	21.71	ug/L	0.00
32) Benzene-d6	5.10	84	4906838	20.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	1540577	21.25	ug/L	0.00
41) Toluene-d8	7.36	98	4442996	20.09	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	702398	21.55	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	2868717	227.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	1071405	20.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	1419004	19.59	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1375455	19.228	ug/L 100
3) Chloromethane	1.26	50	1337182	20.231	ug/L 100
5) Vinyl chloride	1.32	62	1262479	20.114	ug/L 98
6) Bromomethane	1.54	94	717623	23.726	ug/L 99
8) Chloroethane	1.60	64	699385	20.832	ug/L 98
9) Trichlorofluoromethane	1.77	101	1454487	18.334	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	784480	18.251	ug/L 99
12) 1,1-Dichloroethene	2.14	96	790761	18.757	ug/L 89
13) Acetone	2.23	43	1773118	239.690	ug/L 97
14) Carbon disulfide	2.32	76	3556435	19.485	ug/L 100
15) Methyl Acetate	2.47	43	488288	20.877	ug/L 97
16) Methylene chloride	2.54	84	1197685	17.200	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	2967124	19.075	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	1212428	18.729	ug/L 99
19) 1,1-Dichloroethane	3.23	63	2364260	19.523	ug/L 97
21) 2-Butanone	4.04	43	3204633	241.301	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	1340092	19.026	ug/L # 98
23) Bromochloromethane	4.30	128	506715	18.523	ug/L 97
25) Chloroform	4.42	83	2272850	18.833	ug/L 100
27) 1,2-Dichloroethane	5.18	62	1396635	20.227	ug/L 99
29) 1,1,1-Trichloroethane	4.66	97	1984447	19.194	ug/L 99
30) Cyclohexane	4.72	56	2189019	19.155	ug/L 99
31) Carbon tetrachloride	4.87	117	1689649	19.102	ug/L 99
33) Benzene	5.14	78	5062726	19.172	ug/L 100
34) Trichloroethene	5.96	95	1340055	19.138	ug/L 96
35) Methylcyclohexane	6.17	83	2183681	18.517	ug/L 100
37) 1,2-Dichloropropane	6.22	63	1311876	20.425	ug/L 99
38) Bromodichloromethane	6.55	83	1678069	19.579	ug/L 98
39) cis-1,3-Dichloropropene	7.07	75	2097019	19.847	ug/L 99
40) 4-Methyl-2-pentanone	7.27	43	7754859	191.249	ug/L 99

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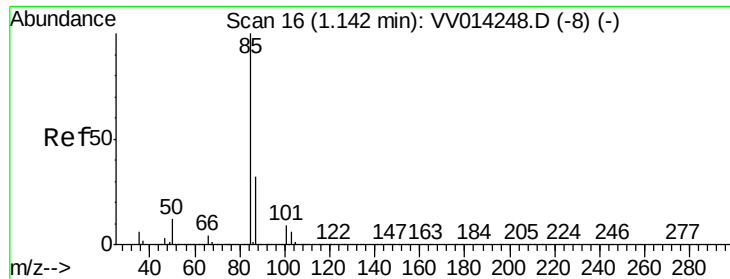
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 02 17:05:02 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)

42) Toluene	7.43	91	5274473	18.255	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	1633000	19.678	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	824216	18.910	ug/L	98
47) Tetrachloroethene	8.02	164	886650	18.129	ug/L	99
48) 2-Hexanone	8.18	43	5571231	198.577	ug/L	99
49) Dibromochloromethane	8.29	129	1044550	18.845	ug/L	98
50) 1,2-Dibromoethane	8.39	107	798155	18.951	ug/L	99
51) Chlorobenzene	8.92	112	3244712	18.211	ug/L	100
52) Ethylbenzene	9.05	91	5927891	18.464	ug/L	99
53) m,p-xylene	9.18	106	2219620	18.450	ug/L	99
54) o-xylene	9.58	106	2161260	18.451	ug/L	98
55) Styrene	9.60	104	3673430	18.625	ug/L	99
56) Isopropylbenzene	9.97	105	5650665	18.326	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	994851	18.677	ug/L	96
59) 1,2,3-Trichloropropane	10.31	75	751663	19.018	ug/L	100
61) Bromoform	9.77	173	533029	18.361	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	2417268	18.385	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	2403895	18.305	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	2184015	18.192	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	186391	18.412	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	1765955	18.440	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	1550225	18.434	ug/L	100
69) Naphthalene	13.54	128	3188769	20.355	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	1360930	18.508	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.228 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

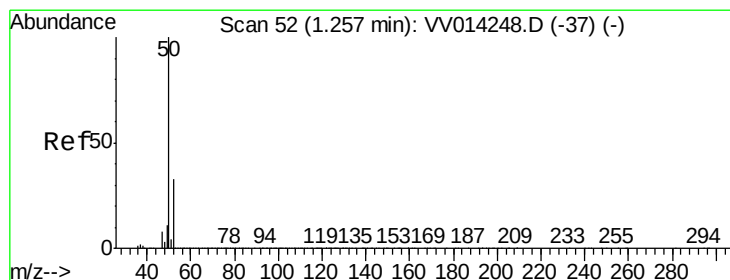
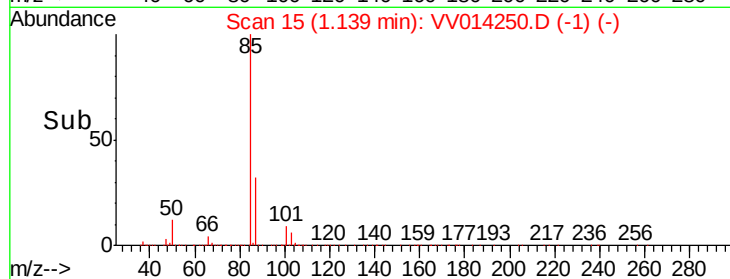
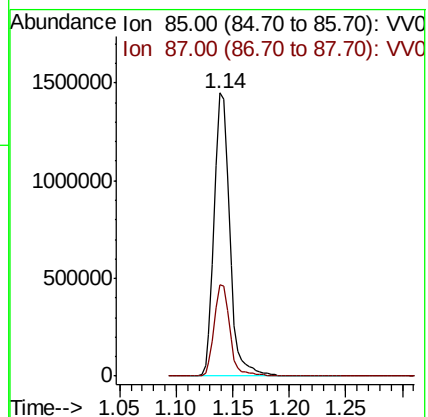
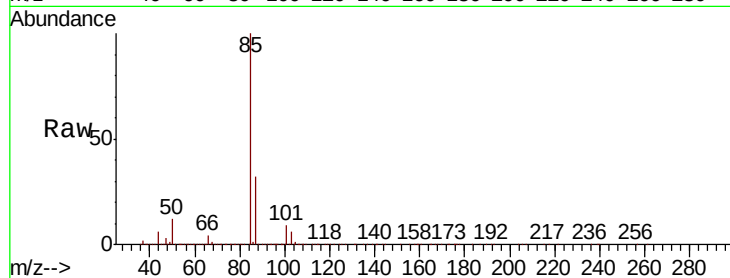
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 1375455

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.6



#3

Chloromethane

Concen: 20.231 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014250.D

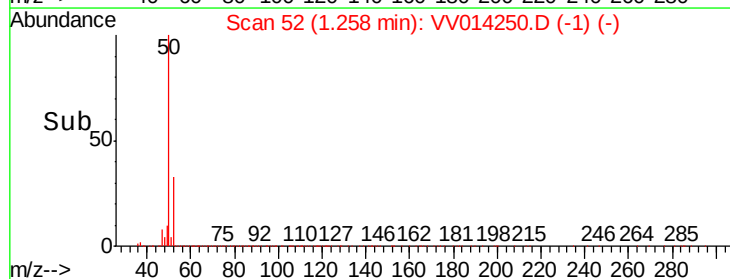
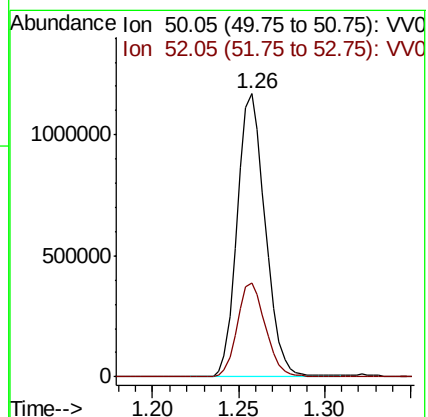
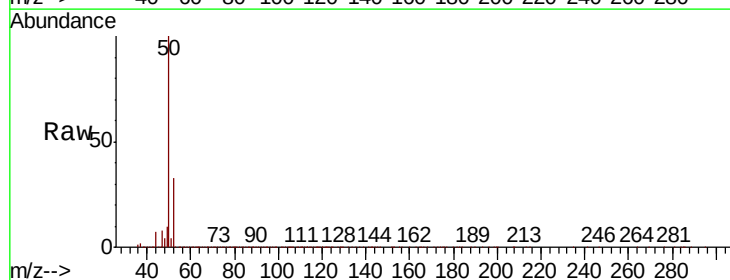
Acq: 02 Jan 2020 15:29

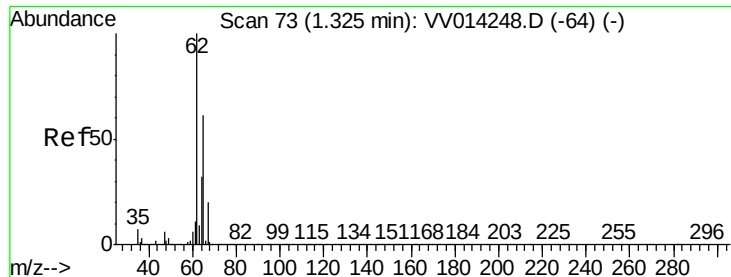
Tgt Ion: 50 Resp: 1337182

Ion Ratio Lower Upper

50 100

52 33.3 23.4 43.4





#5

Vinyl chloride

Concen: 20.114 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

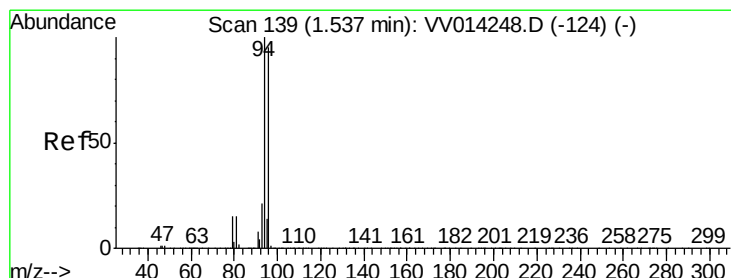
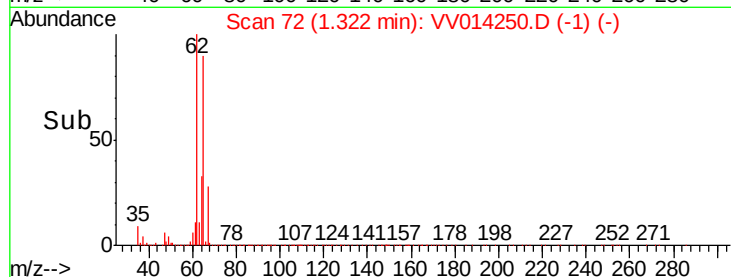
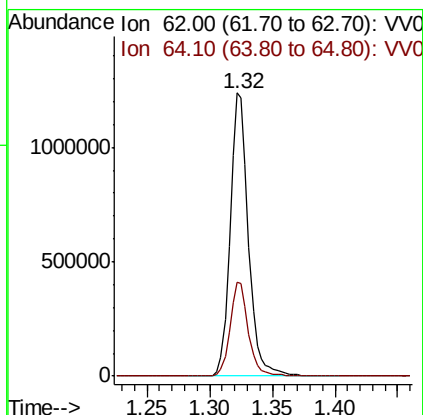
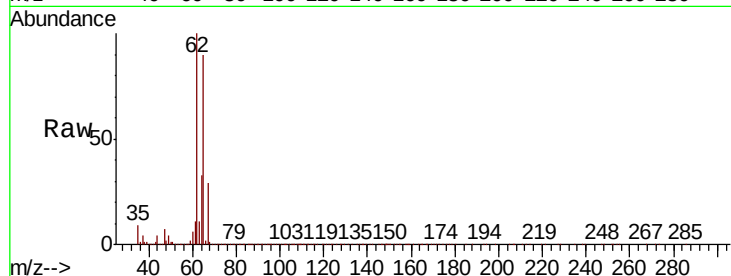
ClientSampled :

Tot Ion: 62 Resp: 1262479

Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.1



#6

Bromomethane

Concen: 23.726 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014250.D

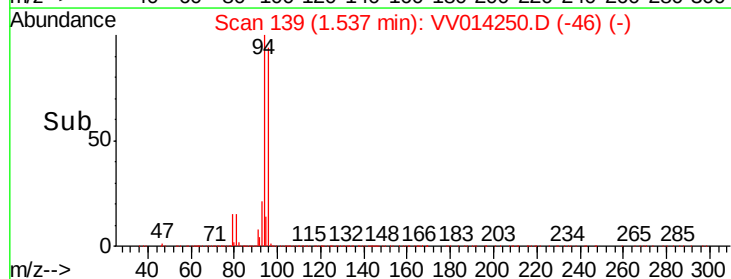
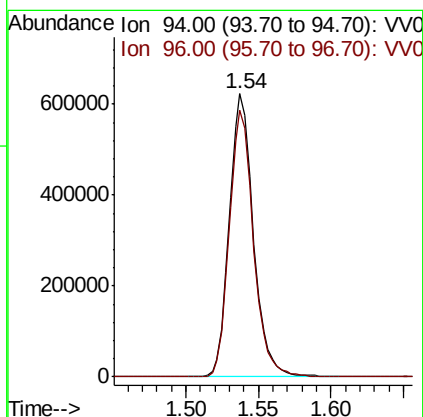
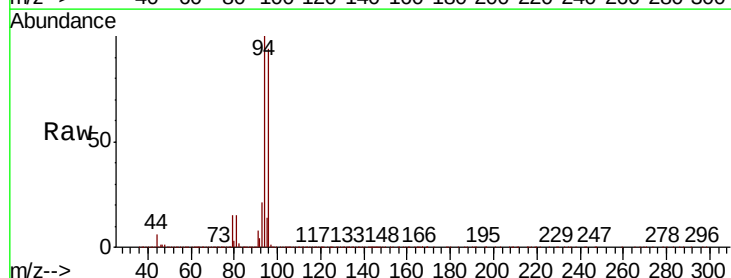
Acq: 02 Jan 2020 15:29

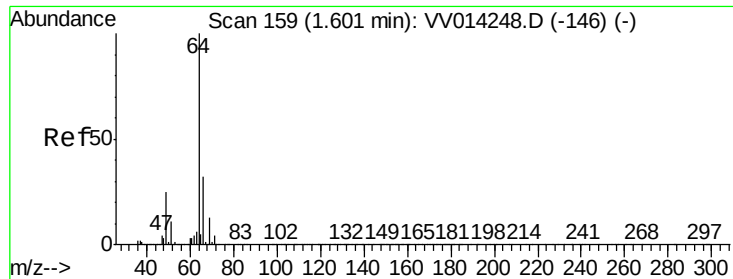
Tgt Ion: 94 Resp: 717623

Ion Ratio Lower Upper

94 100

96 94.3 66.6 123.6





#8

Chloroethane

Concen: 20.832 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

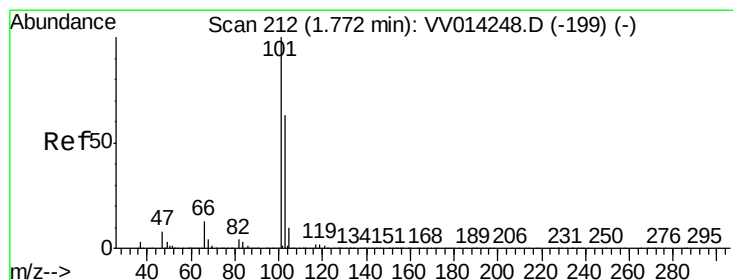
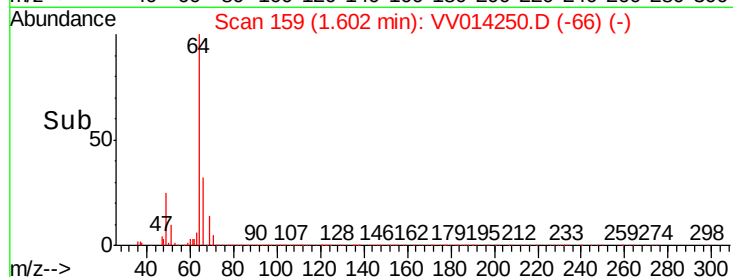
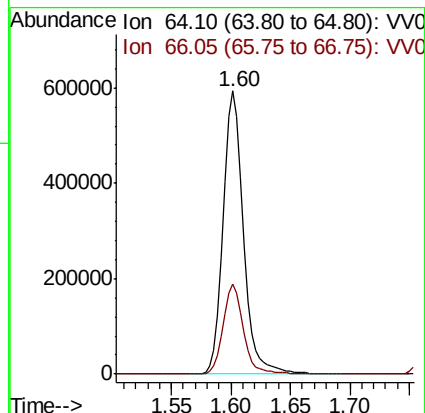
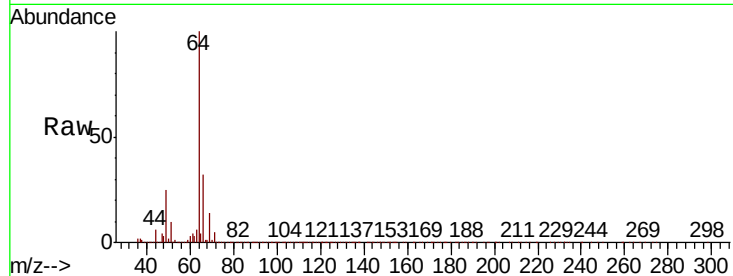
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 699385

Ion Ratio Lower Upper

64 100

66 31.6 23.0 42.6



#9

Trichlorofluoromethane

Concen: 18.334 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014250.D

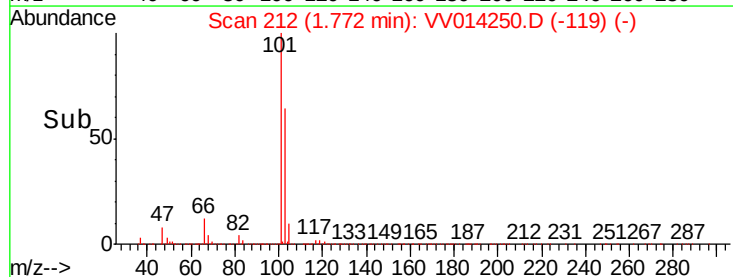
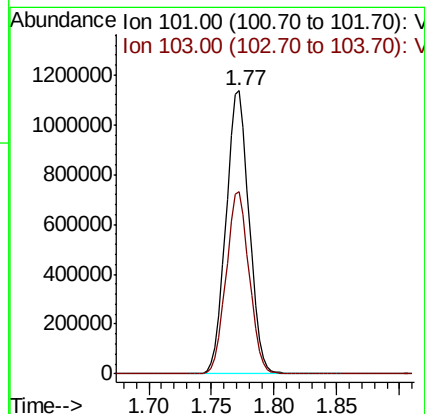
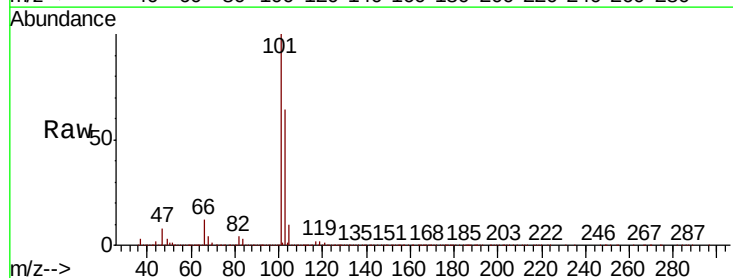
Acq: 02 Jan 2020 15:29

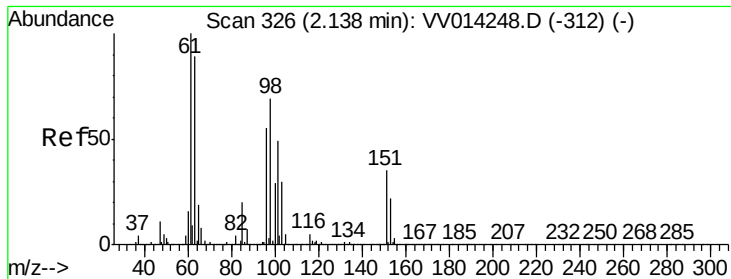
Tgt Ion: 101 Resp: 1454487

Ion Ratio Lower Upper

101 100

103 64.3 51.8 77.6





#10

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

Concen: 18.251 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

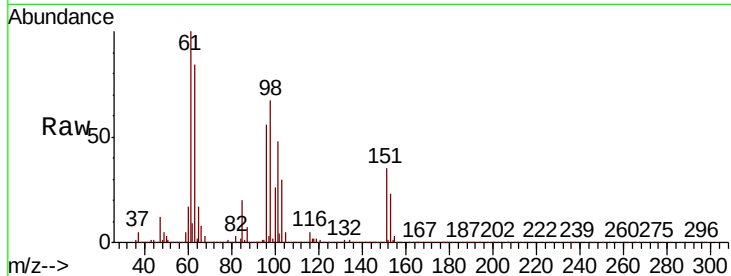
Tot Ion:101 Resp: 784480

Ion Ratio Lower Upper

101 100

85 42.6 34.0 51.0

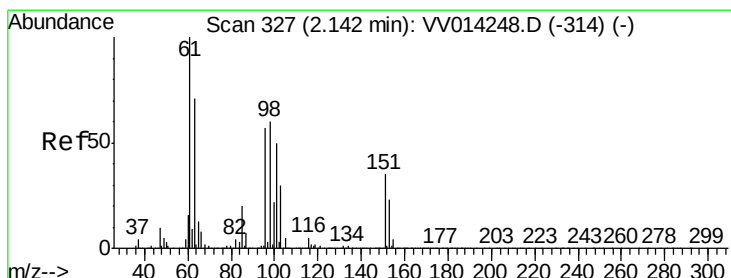
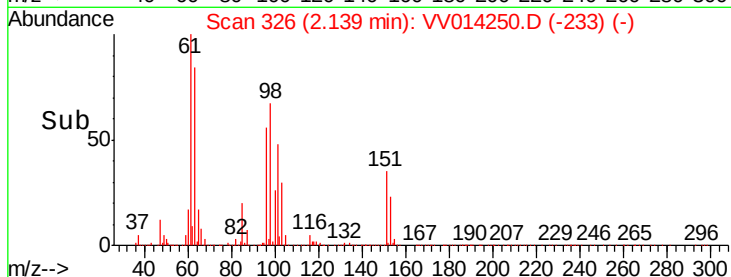
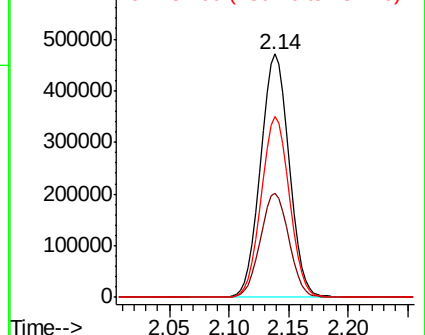
151 73.7 57.9 86.9



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: 18.757 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

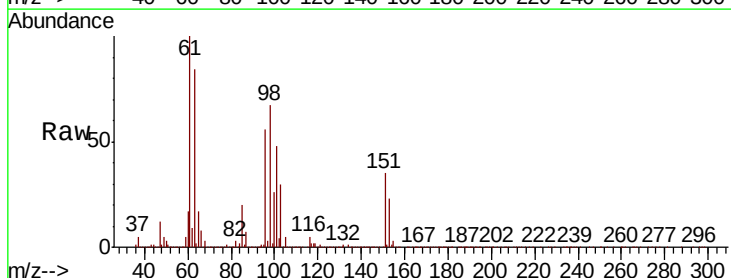
Tgt Ion: 96 Resp: 790761

Ion Ratio Lower Upper

96 100

61 177.4 121.7 226.1

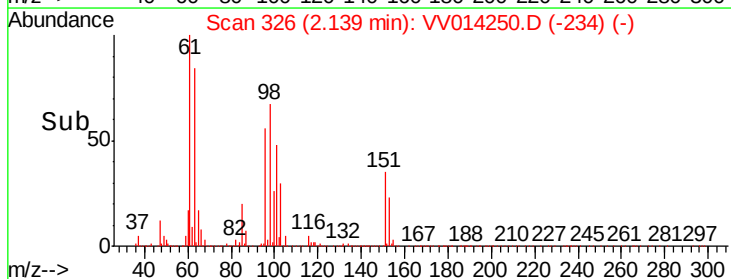
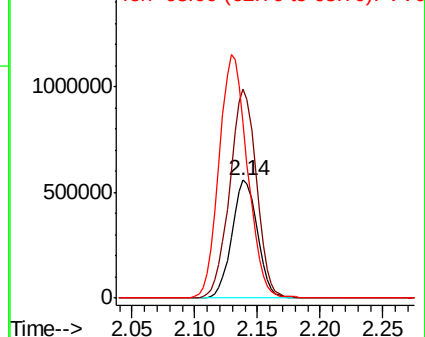
63 148.8 86.9 161.3

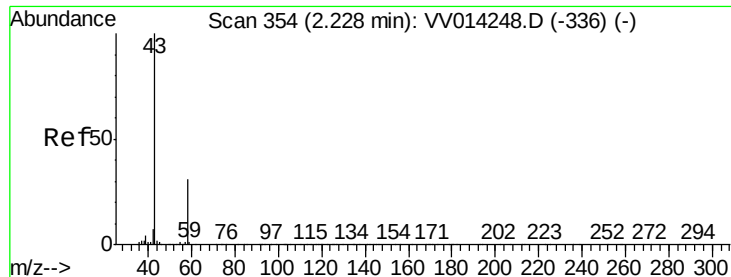


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 239.690 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

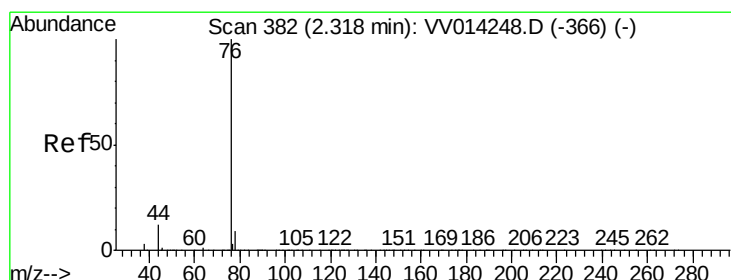
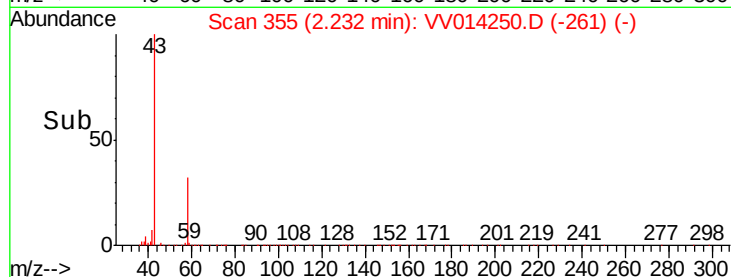
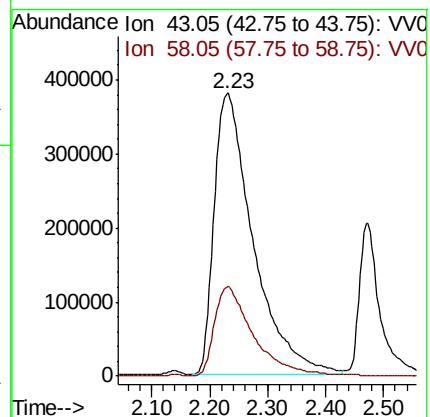
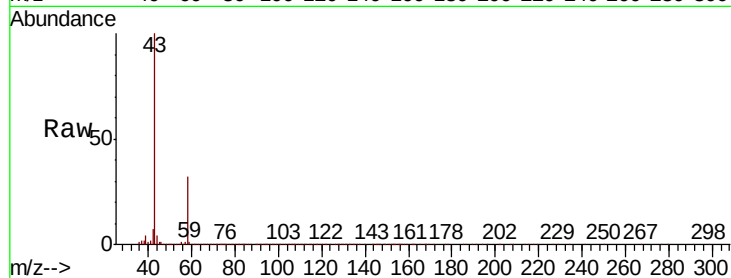
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1773118

Ion Ratio Lower Upper

43 100

58 31.6 0.0 66.4



#14

Carbon disulfide

Concen: 19.485 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014250.D

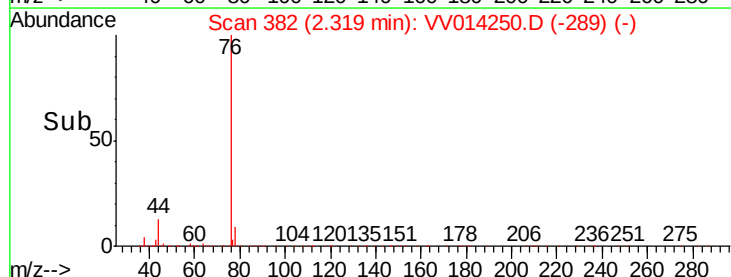
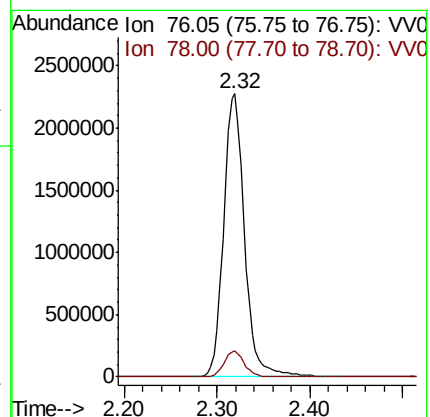
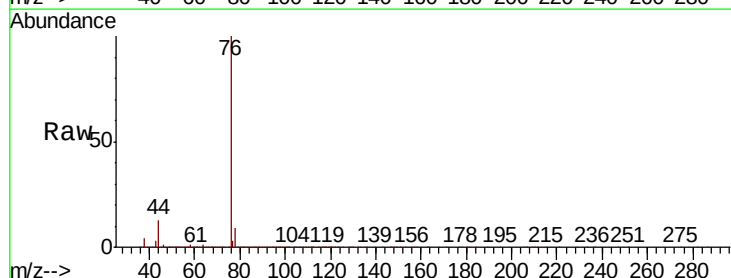
Acq: 02 Jan 2020 15:29

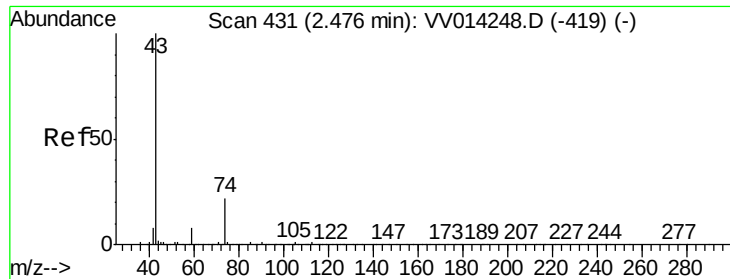
Tgt Ion: 76 Resp: 3556435

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

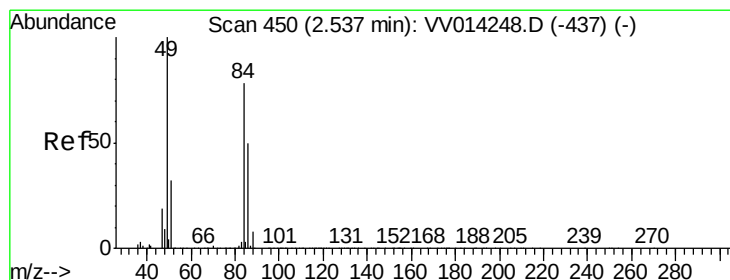
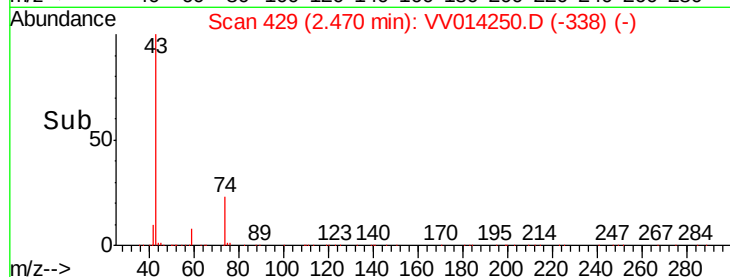
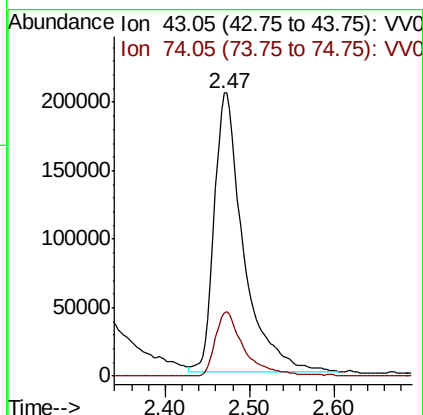
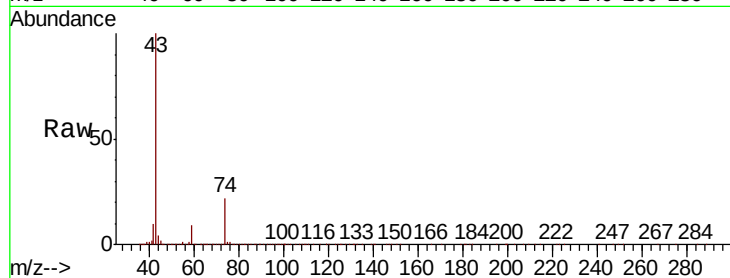




#15
Methvl Acetate
Concen: 20.877 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

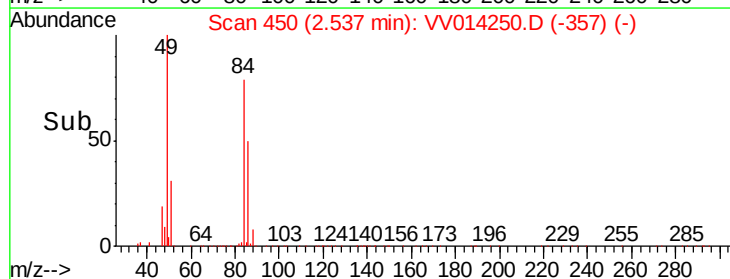
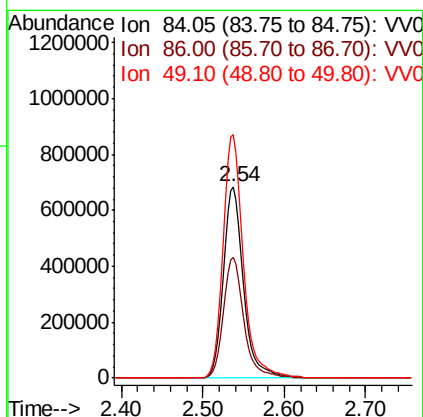
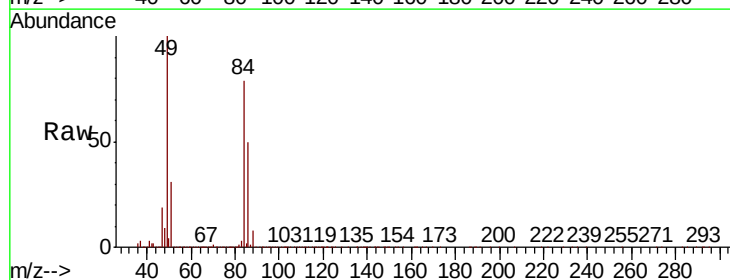
Instrument :
MSVOA_V
ClientSampleId :

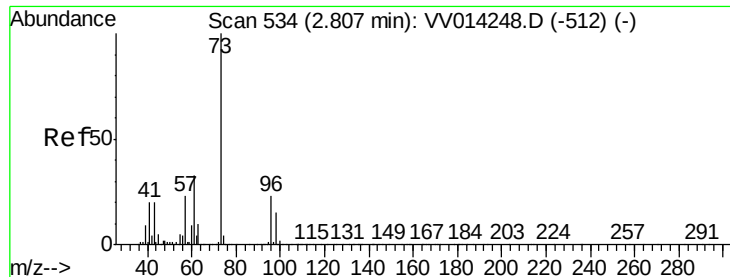
Tot Ion: 43 Resp: 488288
Ion Ratio Lower Upper
43 100
74 22.6 17.1 25.7



#16
Methylene chloride
Concen: 17.200 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

Tgt Ion: 84 Resp: 1197685
Ion Ratio Lower Upper
84 100
86 63.2 45.2 84.0
49 127.2 89.7 166.5

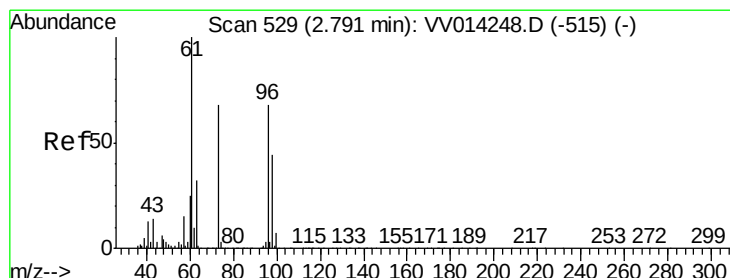
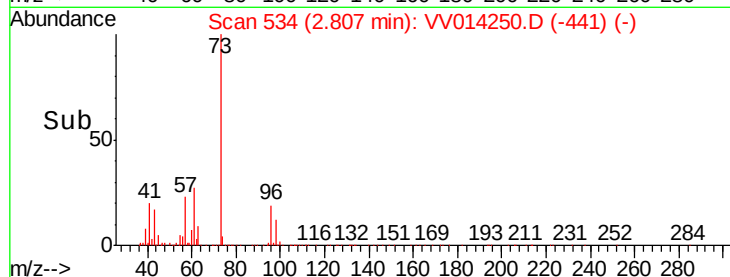
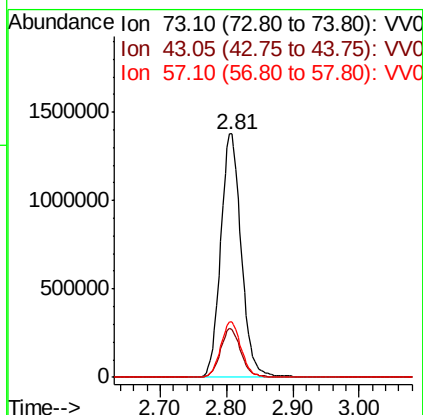
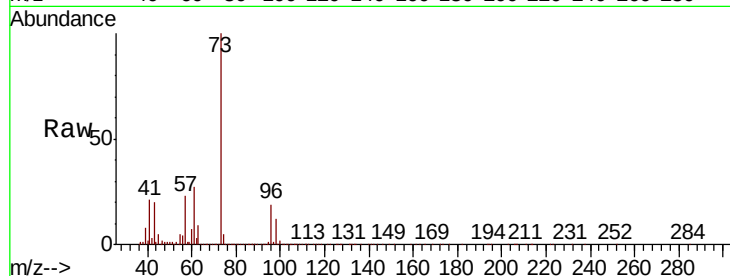




#17
Methvl tert-butvl Ether
Concen: 19.075 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

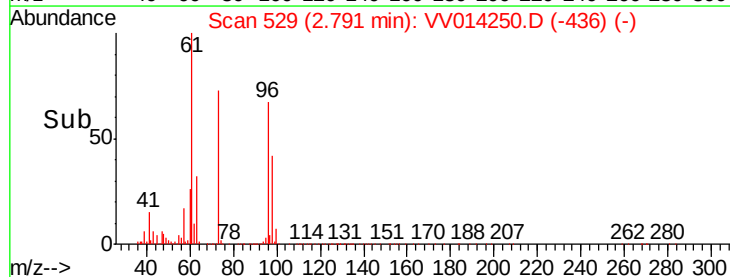
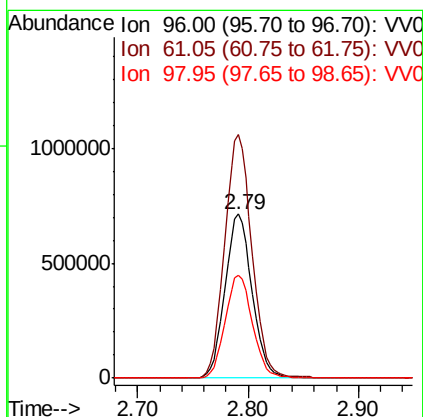
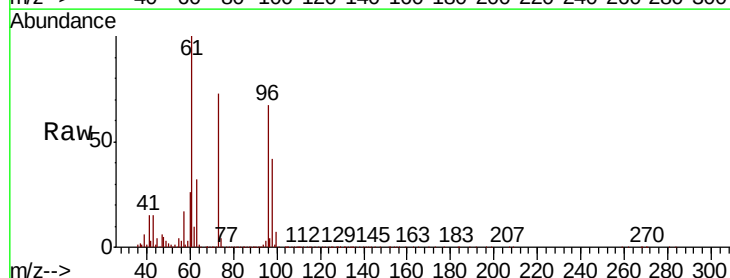
Instrument :
MSVOA_V
ClientSampleId :

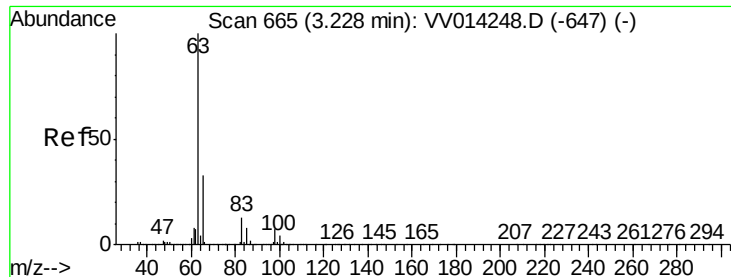
Tot Ion: 73 Resp: 2967124
Ion Ratio Lower Upper
73 100
43 19.6 15.8 23.6
57 22.6 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 18.729 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

Tgt Ion: 96 Resp: 1212428
Ion Ratio Lower Upper
96 100
61 148.3 102.7 190.7
98 62.9 44.7 83.1



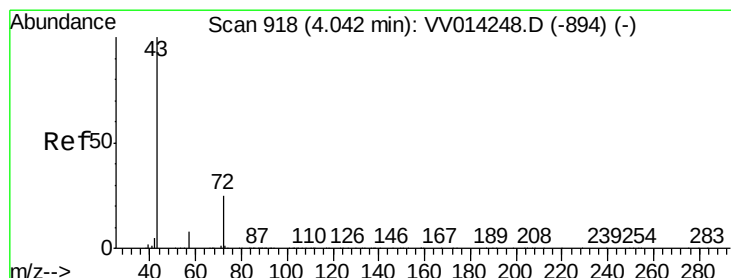
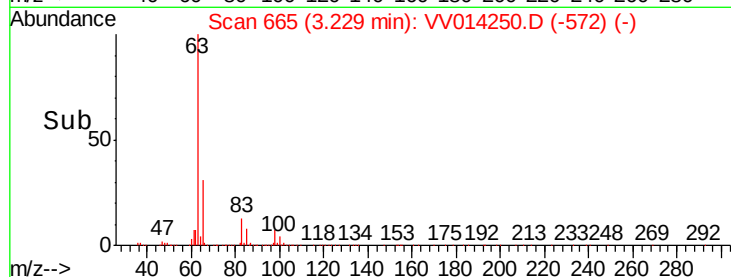
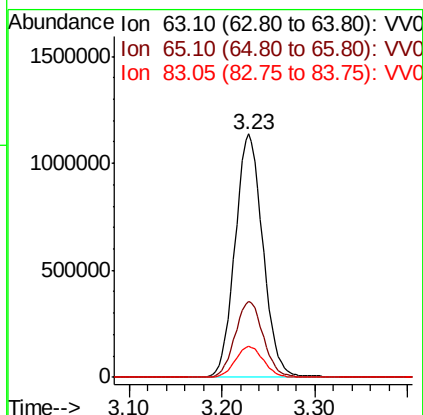
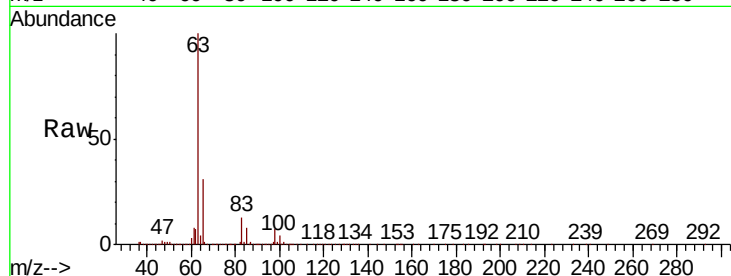


#19
 1,1-Dichloroethane
 Concen: 19.523 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 63 Resp: 2364260

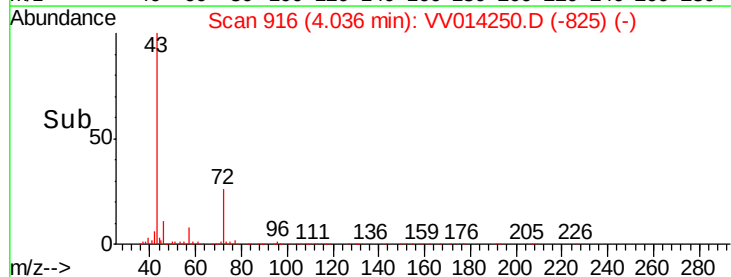
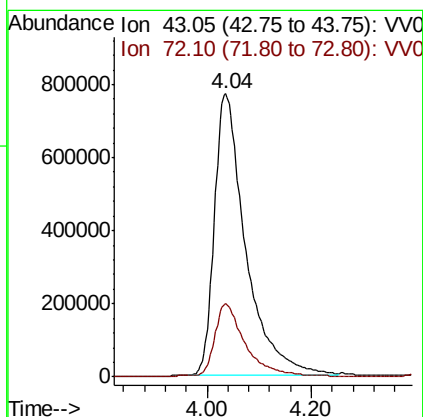
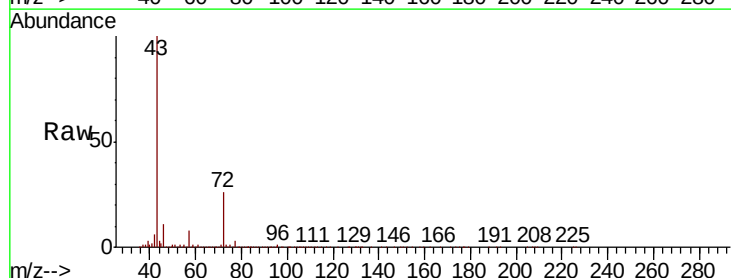
Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.2	43.0
83	12.8	9.1	16.9

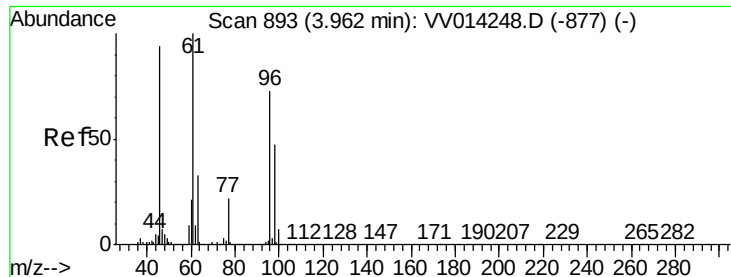


#21
 2-Butanone
 Concen: 241.301 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion: 43 Resp: 3204633

Ion	Ratio	Lower	Upper
43	100		
72	24.7	12.4	37.4



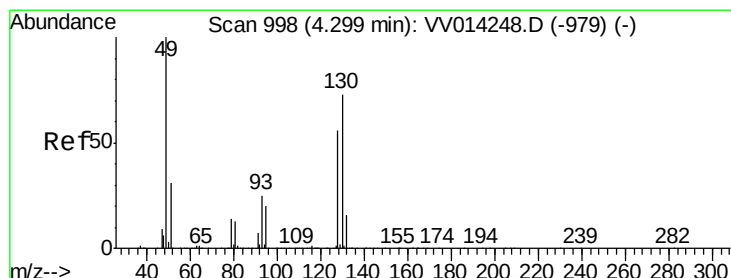
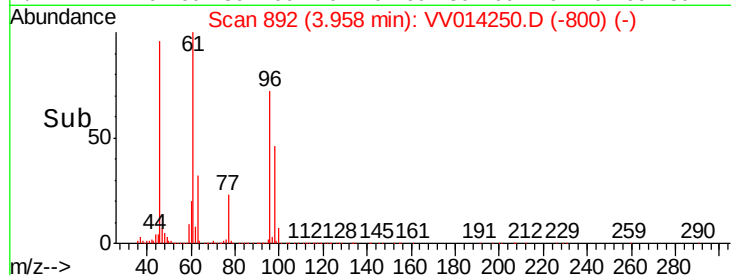
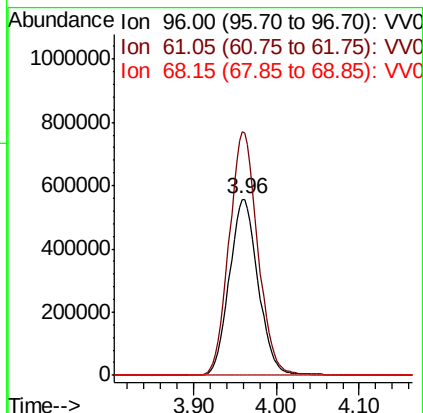
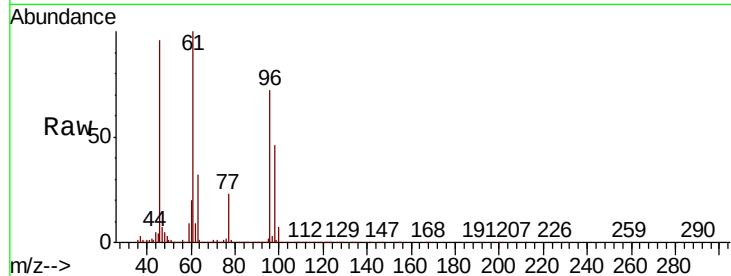


#22

cis-1,2-Dichloroethene
 Concen: 19.026 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Instrument :
 MSVOA_V
 ClientSampled :

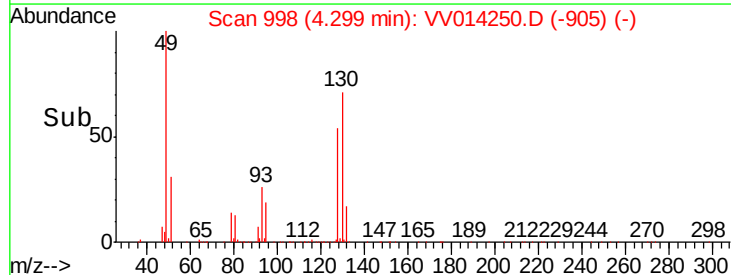
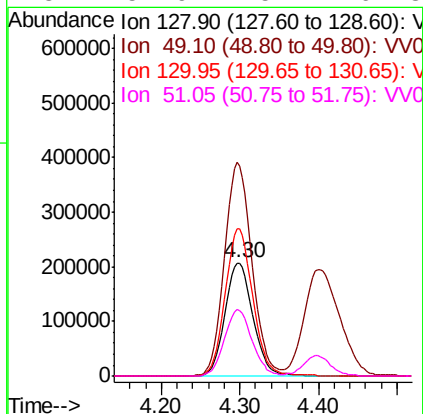
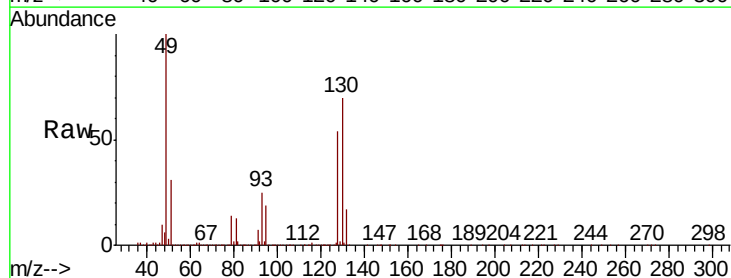
Tot Ion: 96 Resp: 1340092
 Ion Ratio Lower Upper
 96 100
 61 138.3 95.3 176.9
 68 0.1 0.1 0.3#

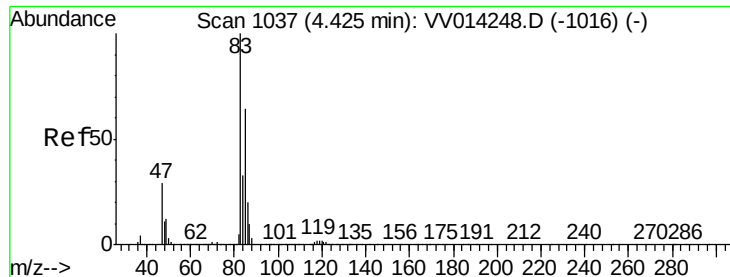


#23

Bromochloromethane
 Concen: 18.523 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion: 128 Resp: 506715
 Ion Ratio Lower Upper
 128 100
 49 185.7 125.6 233.2
 130 130.1 91.6 170.2
 51 57.9 45.2 67.8

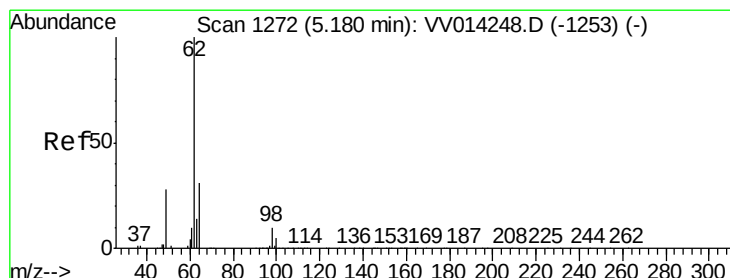
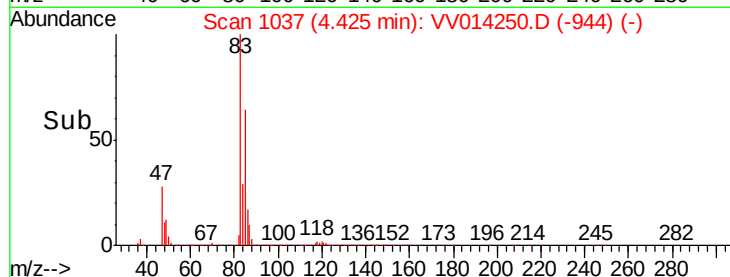
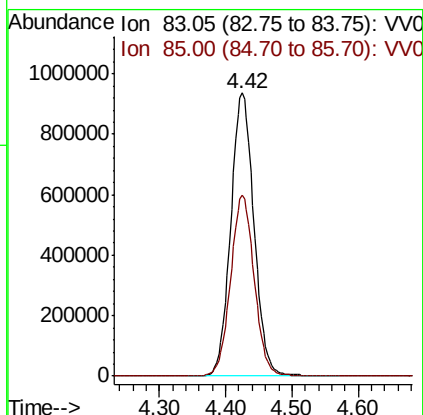
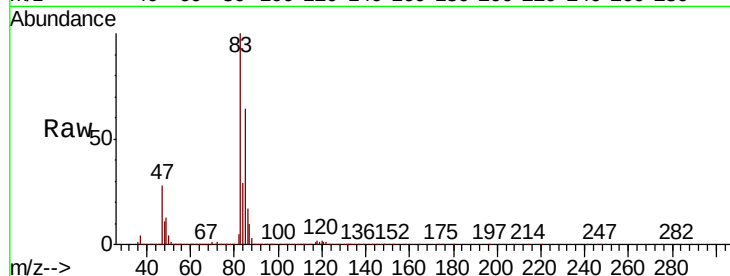




#25
Chloroform
Concen: 18.833 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

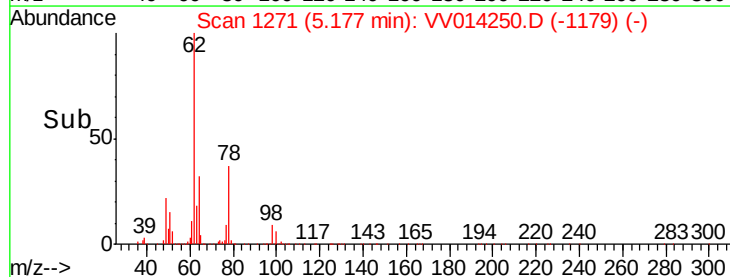
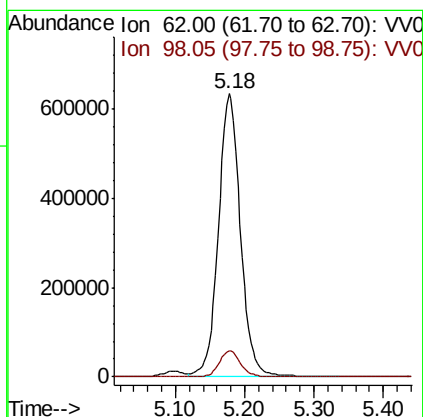
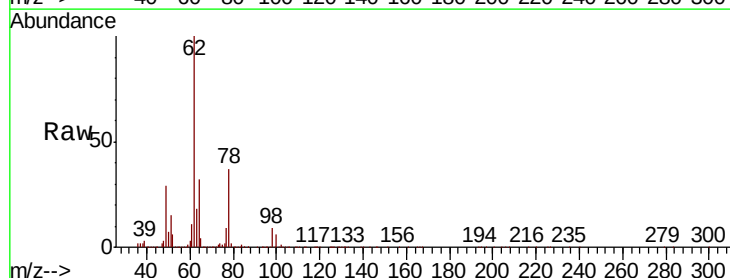
Instrument :
MSVOA_V
ClientSampleId :

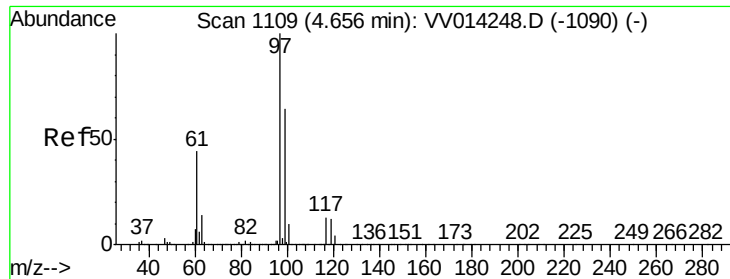
Tot Ion: 83 Resp: 2272850
Ion Ratio Lower Upper
83 100
85 64.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 20.227 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

Tgt Ion: 62 Resp: 1396635
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4

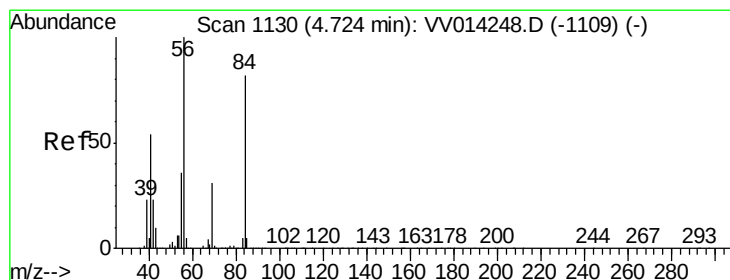
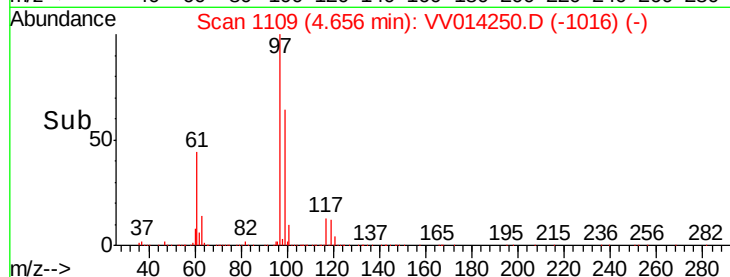
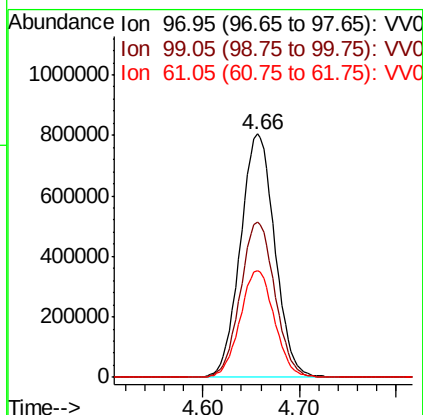
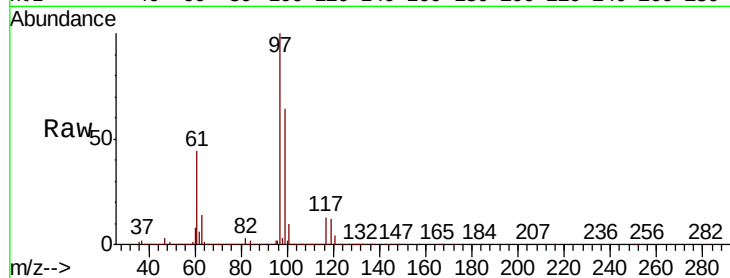




#29
 1,1,1-Trichloroethane
 Concen: 19.194 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

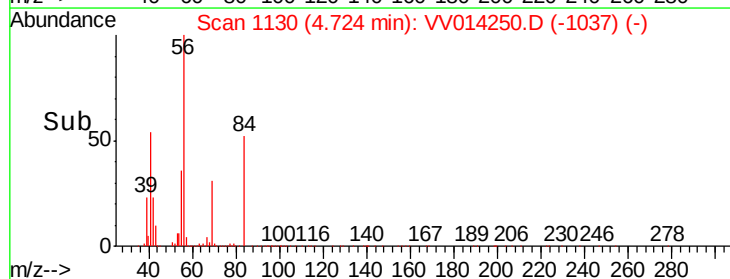
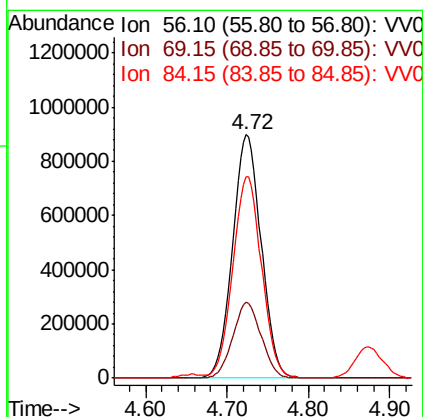
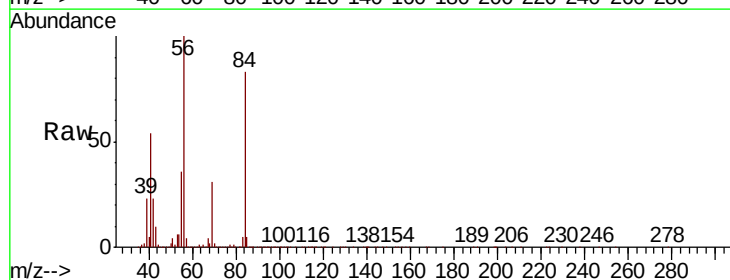
Instrument :
 MSVOA_V
 ClientSampled :

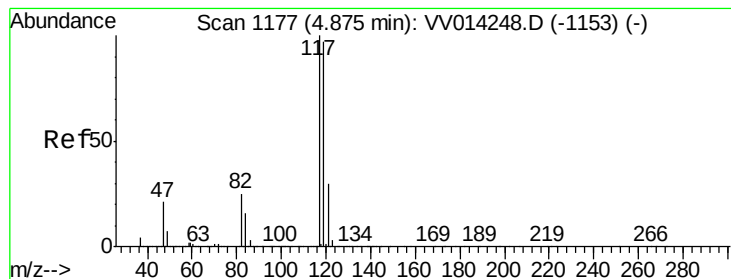
Tot Ion: 97 Resp: 1984447
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.9 76.3
 61 44.2 34.9 52.3



#30
 Cyclohexane
 Concen: 19.155 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion: 56 Resp: 2189019
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.0 36.0
 84 83.4 66.0 99.0





#31

Carbon tetrachloride

Concen: 19.102 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

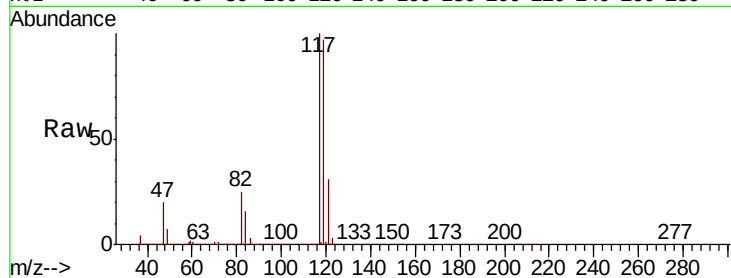
ClientSampleId :

Tot Ion:117 Resp: 1689649

Ion Ratio Lower Upper

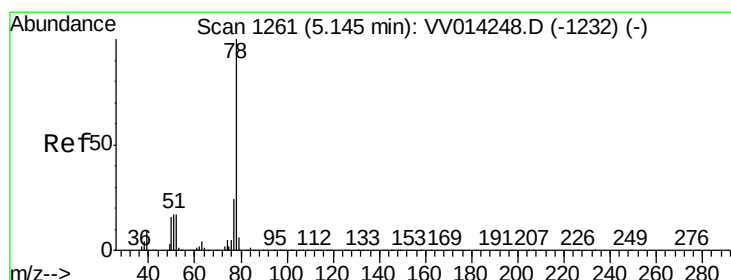
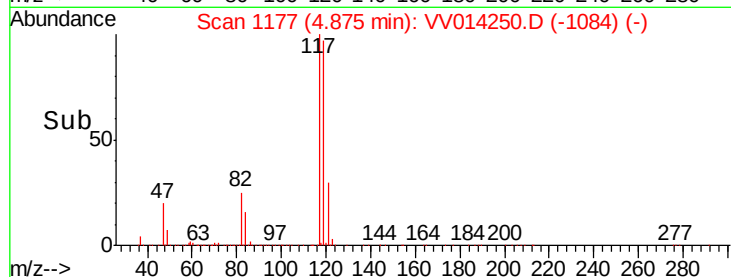
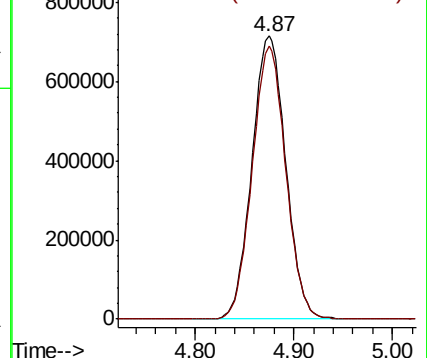
117 100

119 95.6 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: 19.172 ug/L

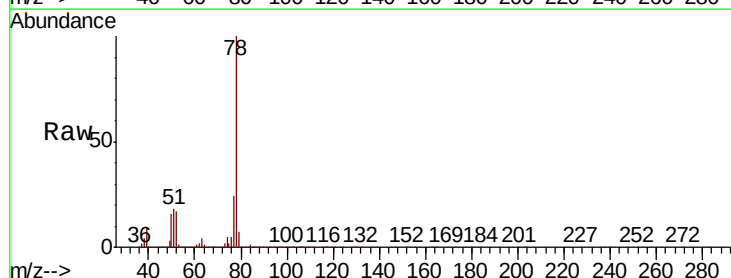
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

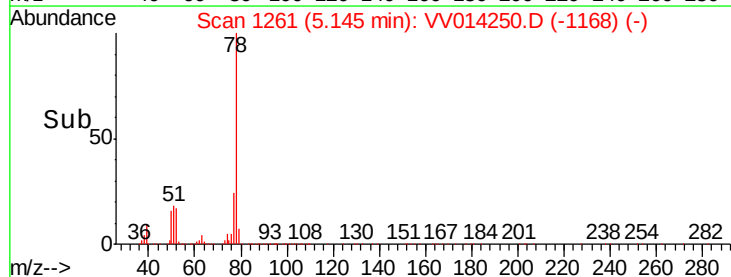
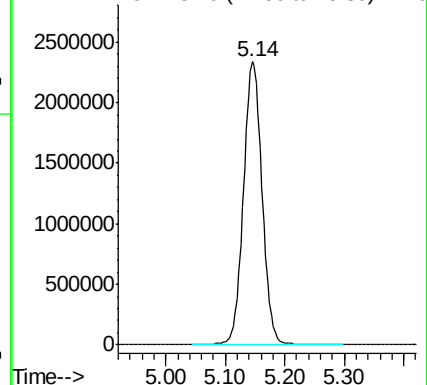
Lab File: VV014250.D

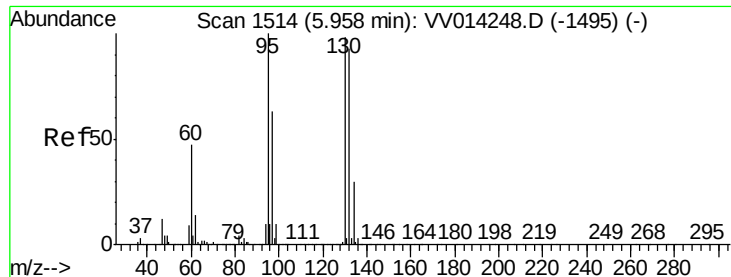
Acq: 02 Jan 2020 15:29

Tgt Ion: 78 Resp: 5062726



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 19.138 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 1340055

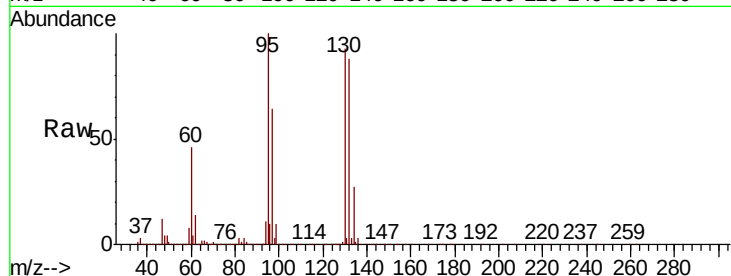
Ion Ratio Lower Upper

95 100

97 64.1 44.2 82.2

132 88.4 65.2 121.0

130 93.4 68.7 127.7

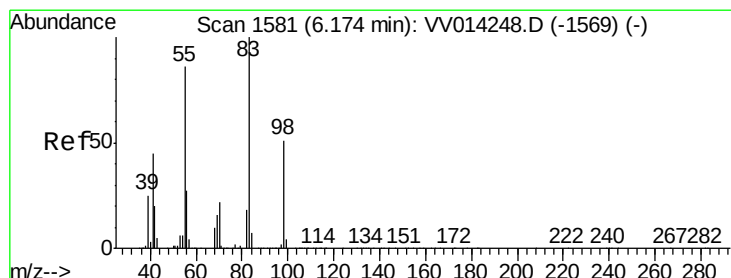
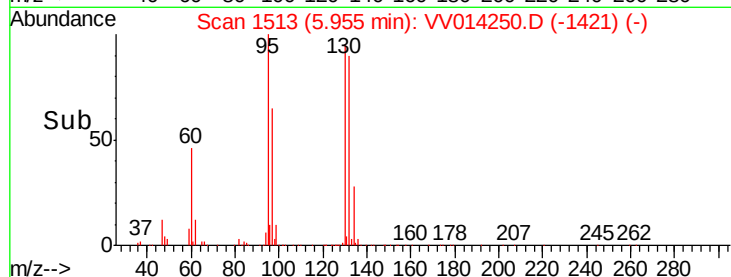
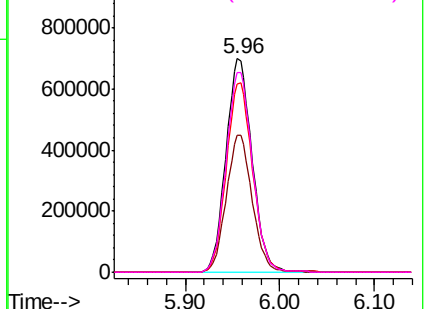


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 18.517 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

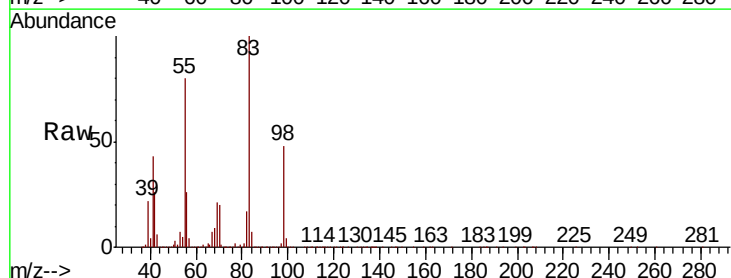
Tgt Ion: 83 Resp: 2183681

Ion Ratio Lower Upper

83 100

55 81.0 65.0 97.4

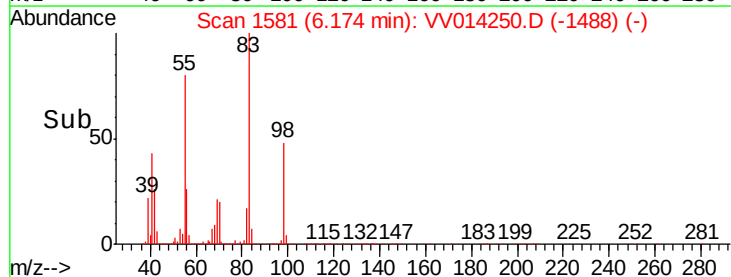
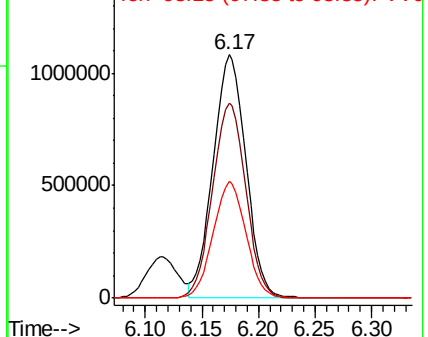
98 47.8 38.5 57.7

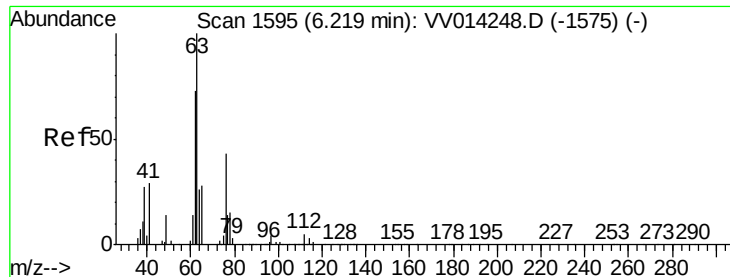


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 20.425 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

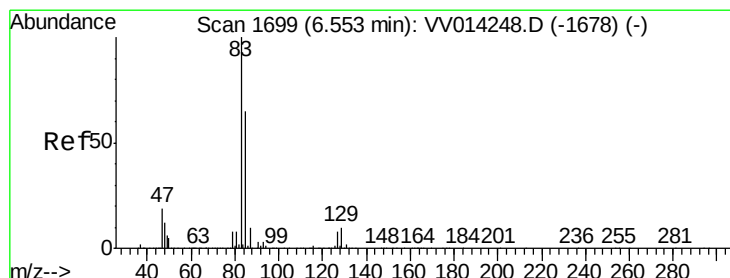
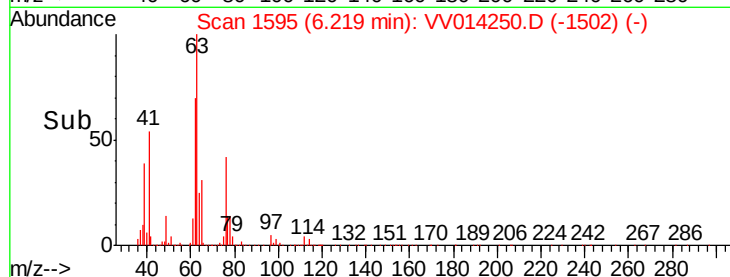
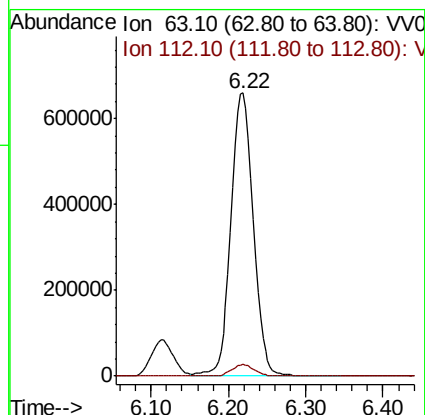
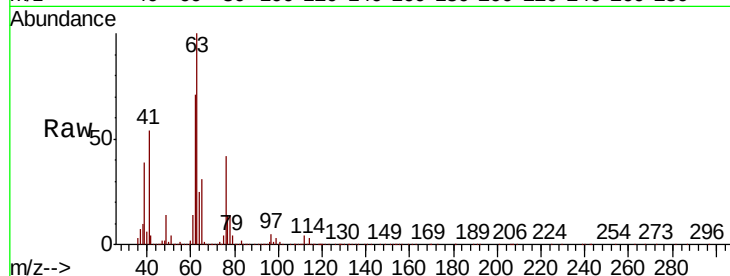
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 1311876

Ion Ratio Lower Upper

63 100

112 4.1 3.5 5.3



#38

Bromodichloromethane

Concen: 19.579 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

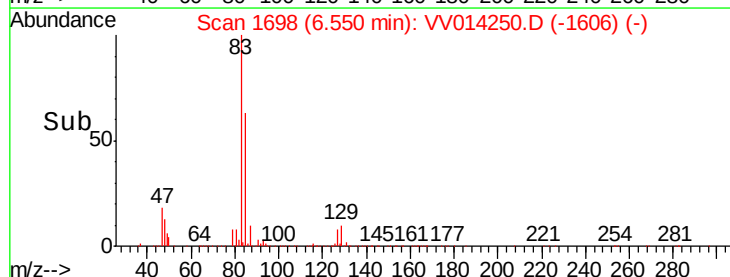
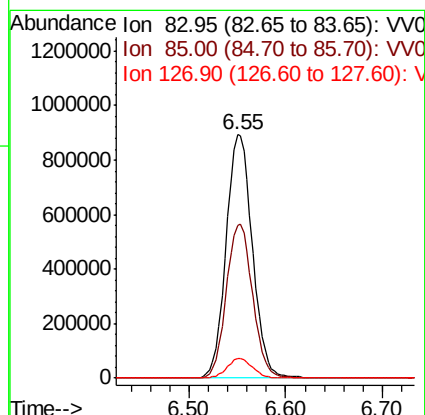
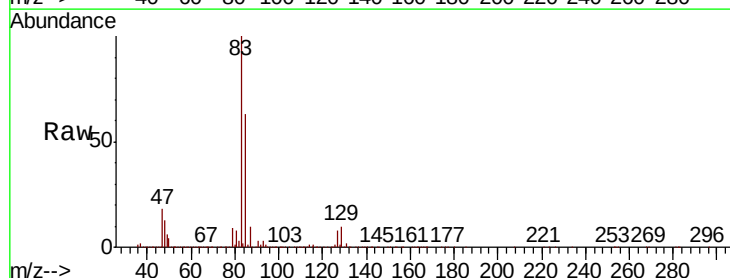
Tgt Ion: 83 Resp: 1678069

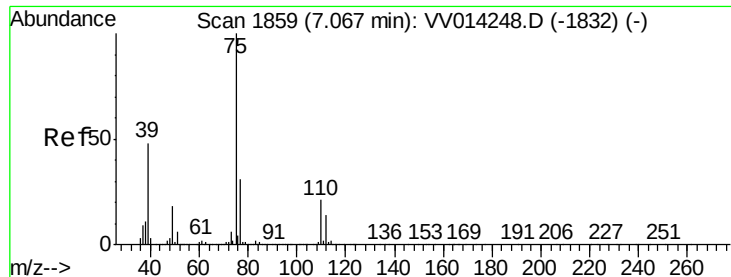
Ion Ratio Lower Upper

83 100

85 62.8 45.2 84.0

127 8.0 6.4 9.6

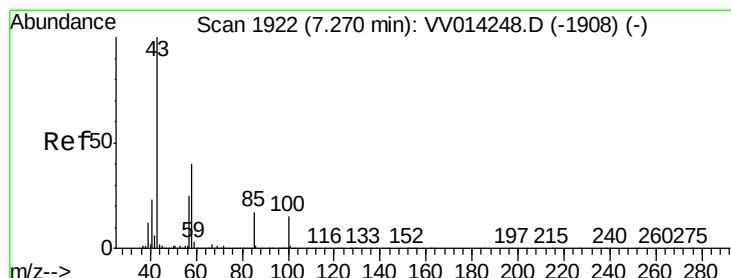
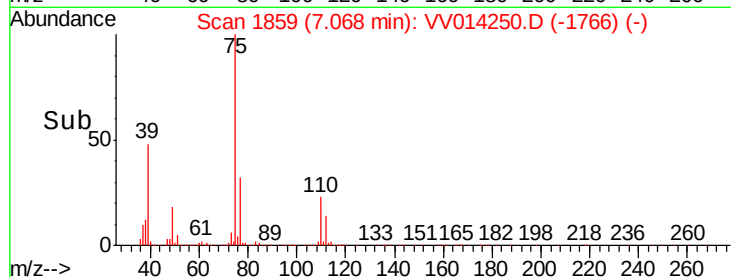
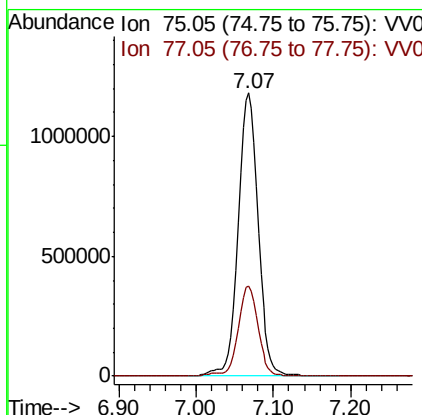
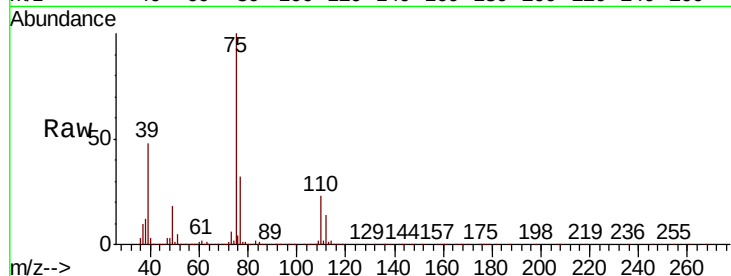




#39
 cis-1,3-Dichloropropene
 Concen: 19.847 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

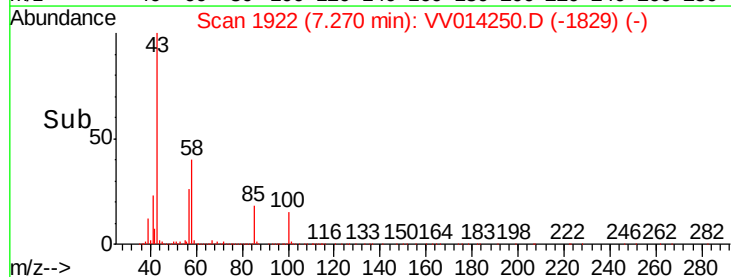
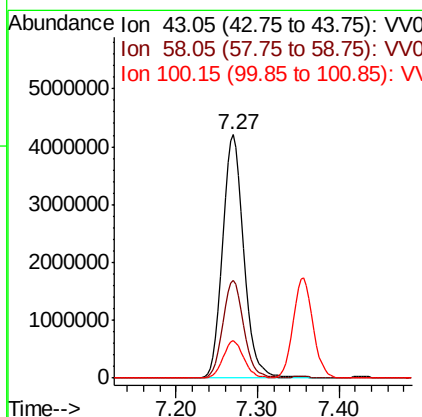
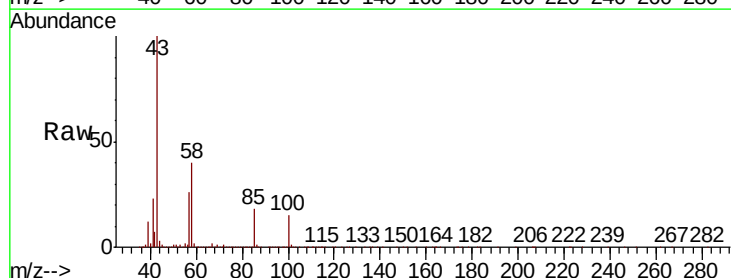
Instrument :
 MSVOA_V
 ClientSampled :

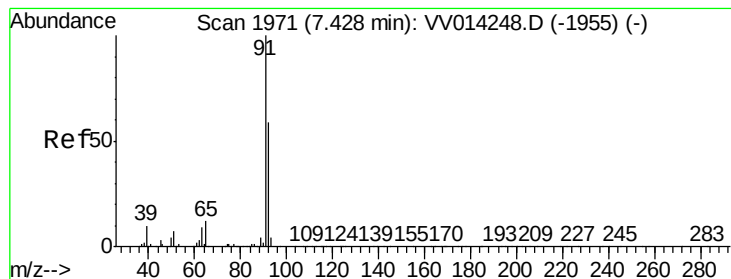
Tot Ion: 75 Resp: 2097019
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 191.249 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion: 43 Resp: 7754859
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.3 46.9
 100 15.0 11.8 17.8





#42

Toluene

Concen: 18.255 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

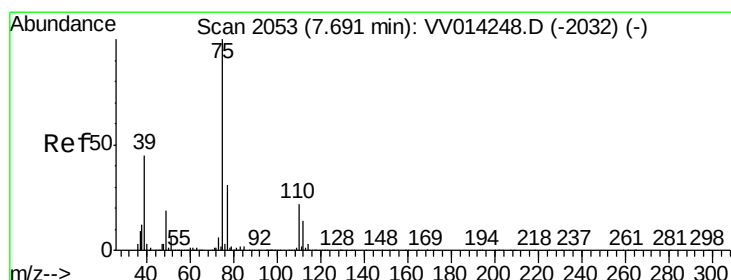
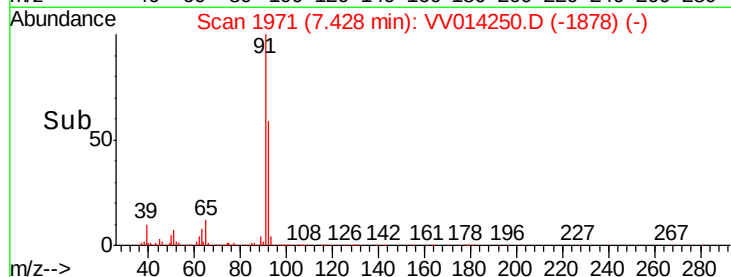
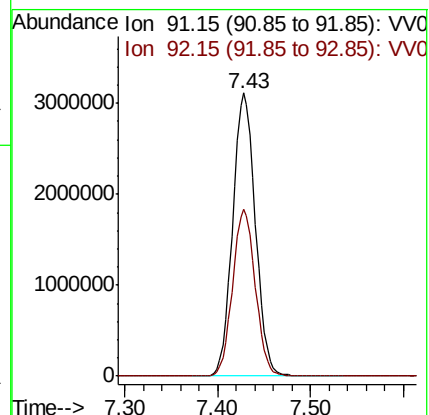
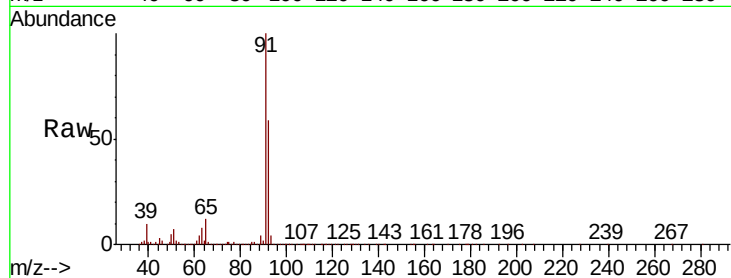
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 5274473

Ion Ratio Lower Upper

91 100

92 59.0 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 19.678 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014250.D

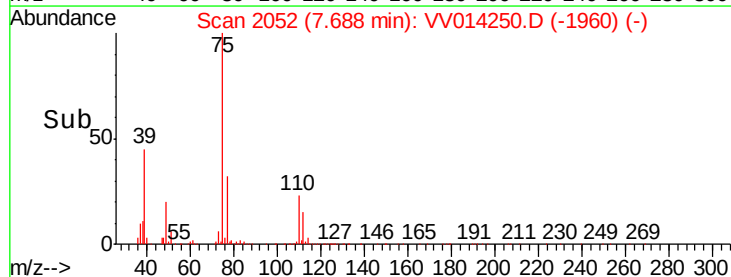
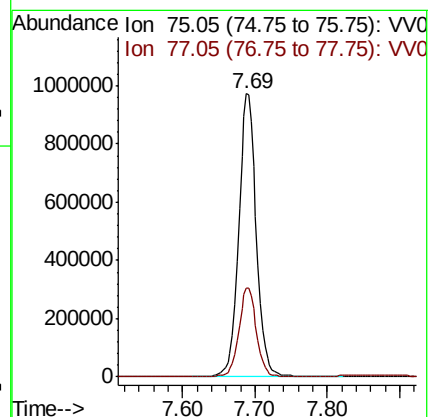
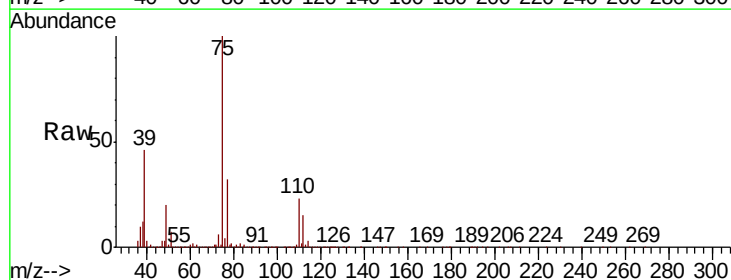
Acq: 02 Jan 2020 15:29

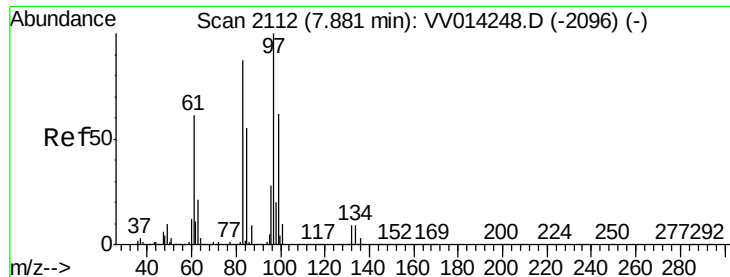
Tgt Ion: 75 Resp: 1633000

Ion Ratio Lower Upper

75 100

77 31.6 22.0 40.8

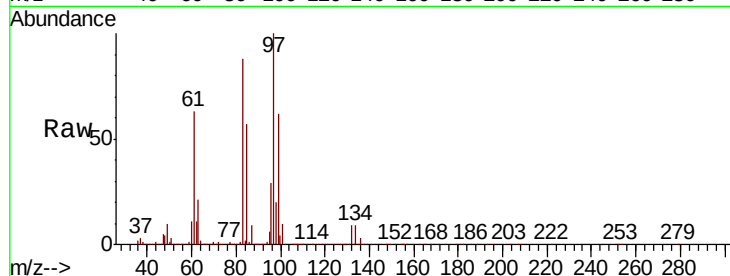




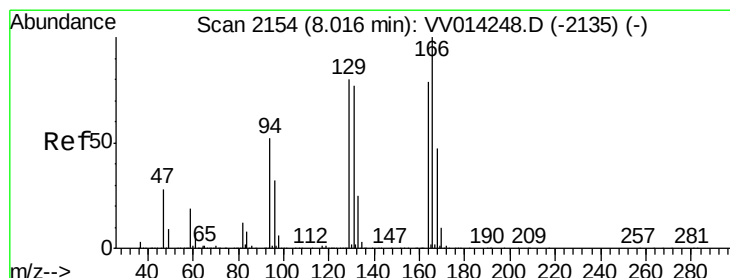
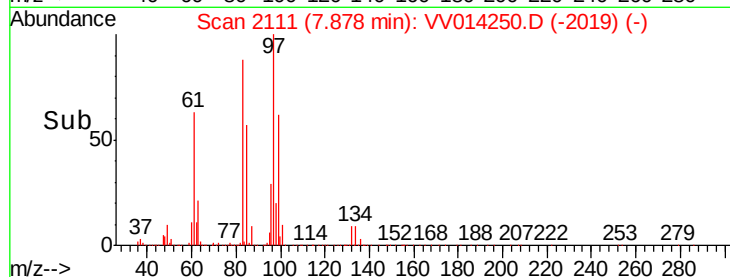
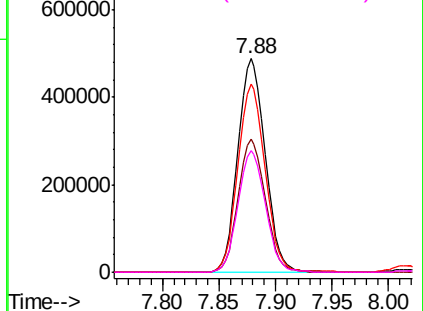
#45
 1,1,2-Trichloroethane
 Concen: 18.910 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	824216
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.0	80.0
83	88.1	60.6	112.6
85	57.1	38.6	71.8

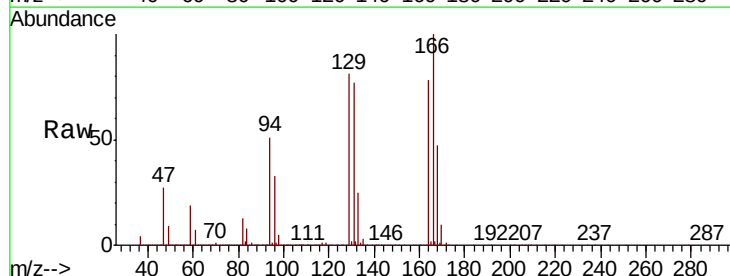


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

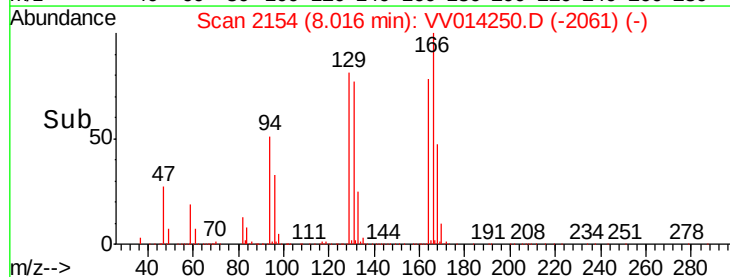
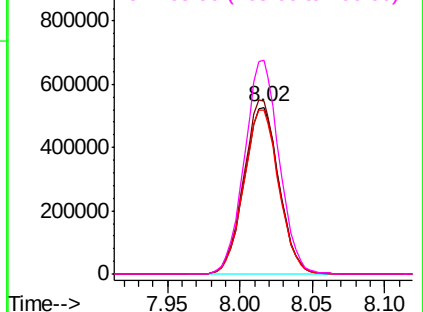


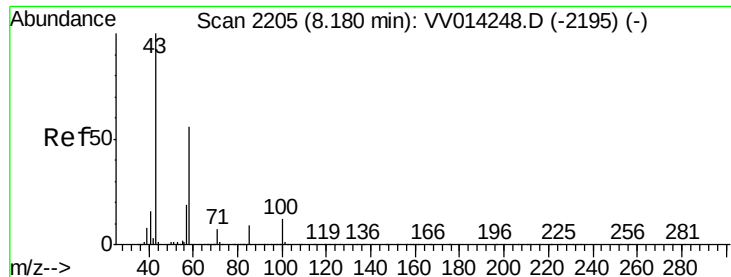
#47
 Tetrachloroethene
 Concen: 18.129 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion:	164	Resp:	886650
Ion	Ratio	Lower	Upper
164	100		
129	103.6	71.0	131.9
131	98.3	68.5	127.3
166	128.1	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



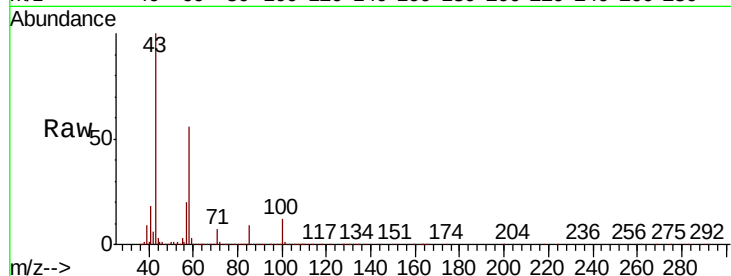


#48
2-Hexanone
Concen: 198.577 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

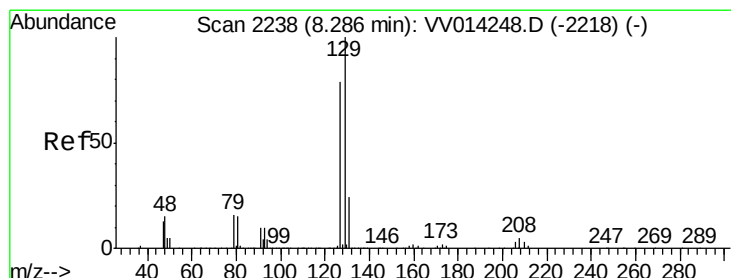
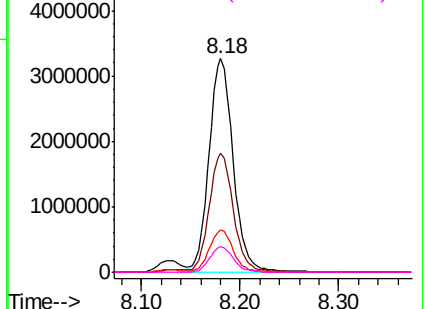
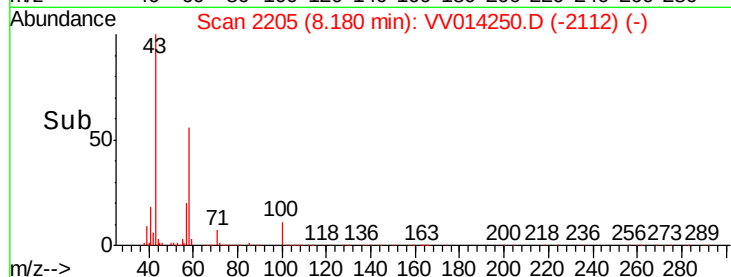
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 5571231

Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.0	66.0
57	19.6	15.5	23.3
100	11.7	9.4	14.0



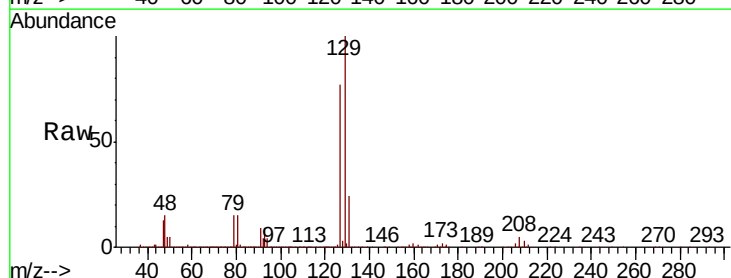
Abundance Ion 43.05 (42.75 to 43.75): VV014250.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV014250.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV014250.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV014250.D (-2112) (-)



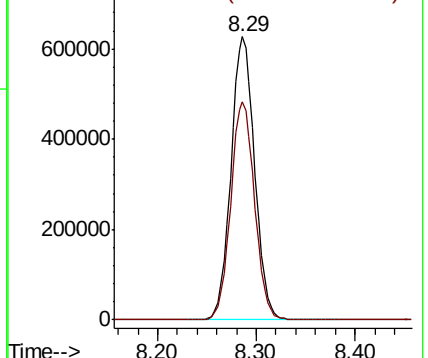
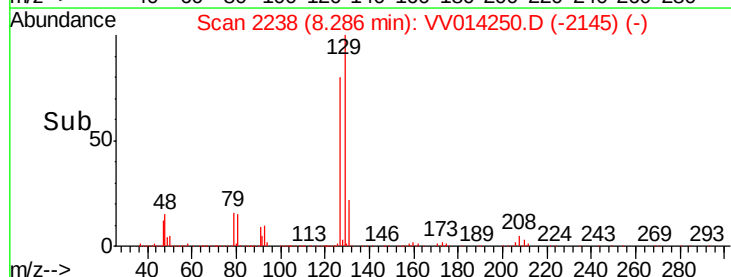
#49
Dibromochloromethane
Concen: 18.845 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014250.D
Acq: 02 Jan 2020 15:29

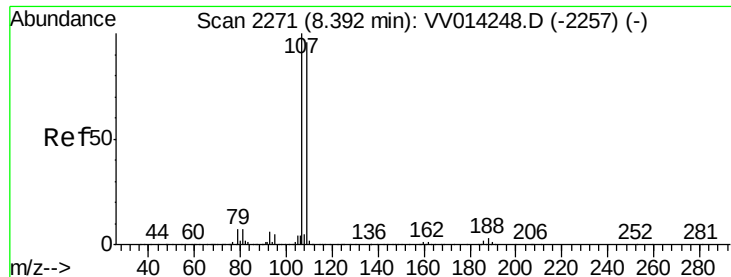
Tgt Ion: 129 Resp: 1044550

Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV014250.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV014250.D (-2145) (-)

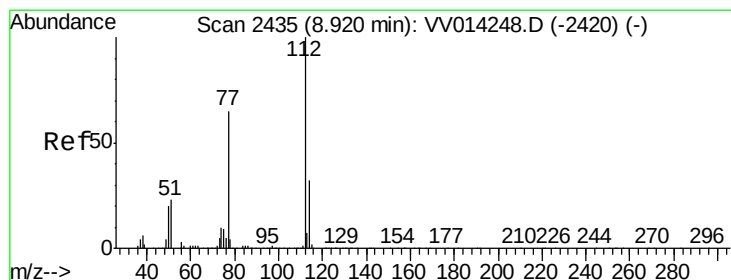
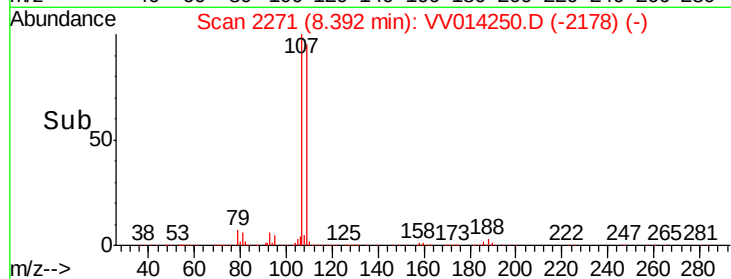
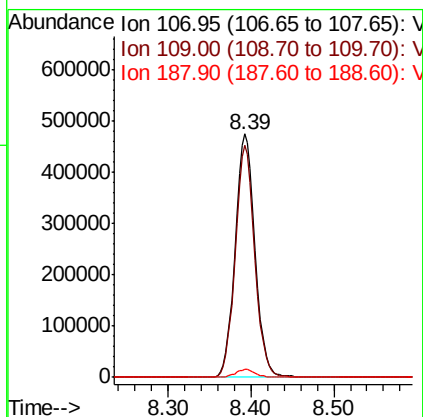
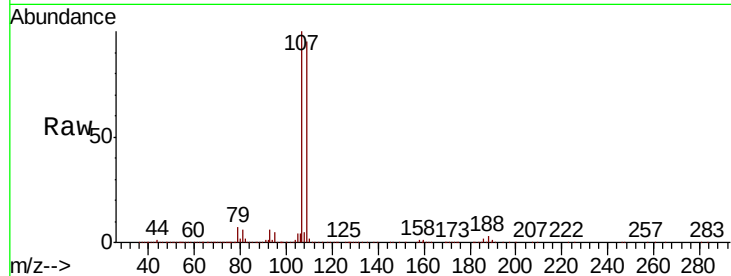




#50
 1,2-Dibromoethane
 Concen: 18.951 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

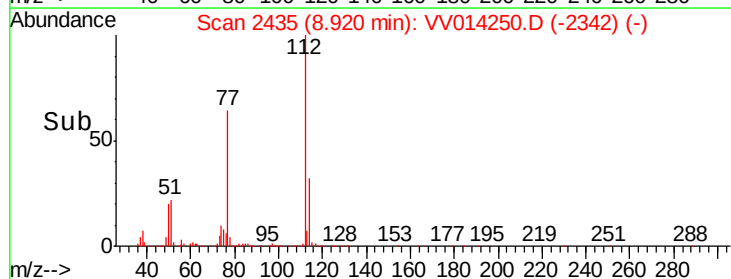
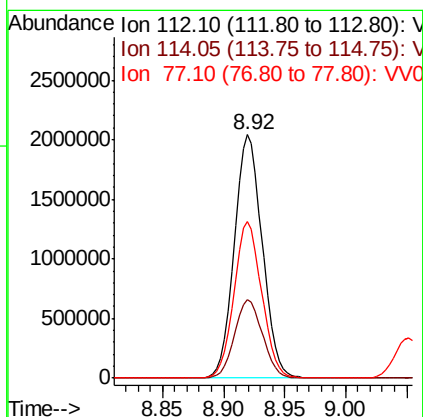
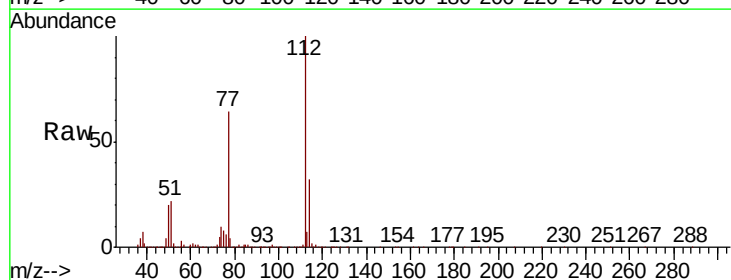
Instrument :
 MSVOA_V
 ClientSampled :

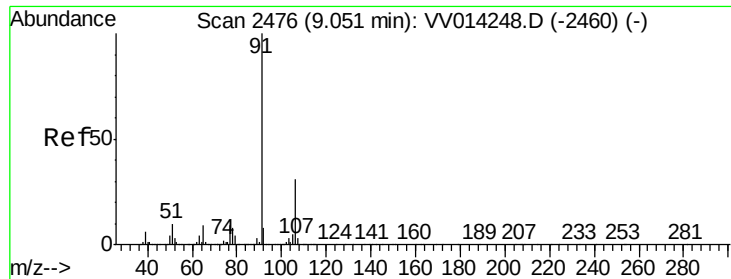
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	67.5	125.4
188	3.3	2.6	4.0



#51
 Chlorobenzene
 Concen: 18.211 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	64.5	51.8	77.8





#52

Ethylbenzene

Concen: 18.464 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

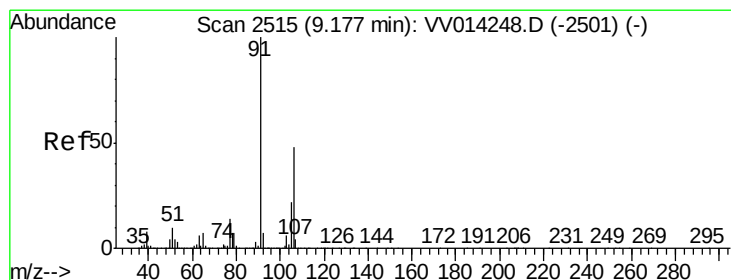
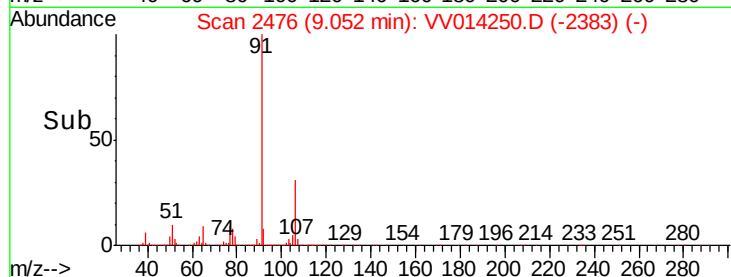
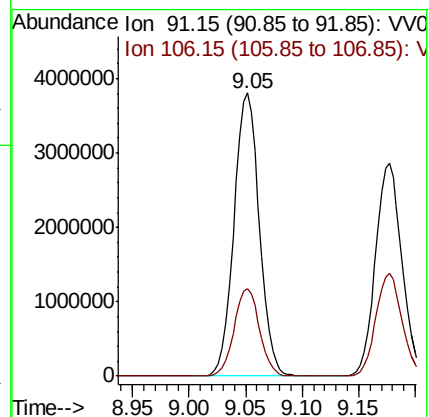
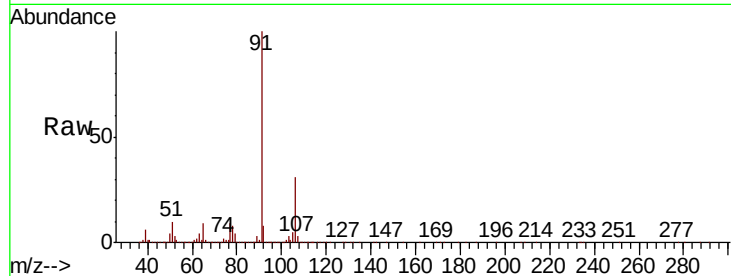
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 5927891

Ion Ratio Lower Upper

91 100

106 31.1 21.6 40.0



#53

m,p-xylene

Concen: 18.450 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014250.D

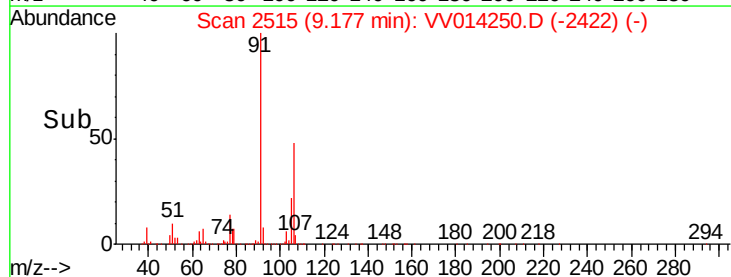
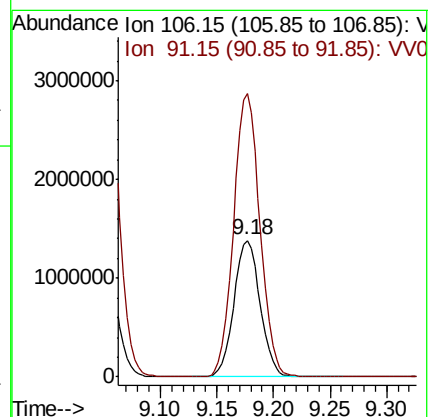
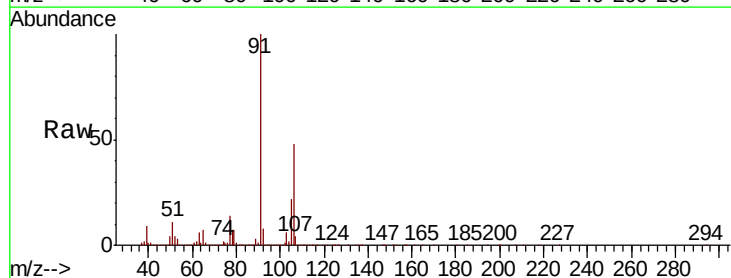
Acq: 02 Jan 2020 15:29

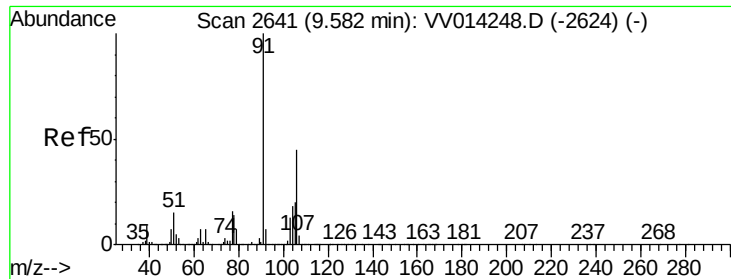
Tgt Ion: 106 Resp: 2219620

Ion Ratio Lower Upper

106 100

91 207.2 146.7 272.4





#54

o-xylene

Concen: 18.451 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

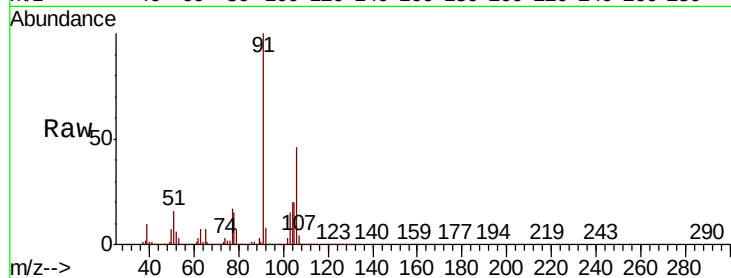
ClientSampleId :

Tot Ion:106 Resp: 2161260

Ion Ratio Lower Upper

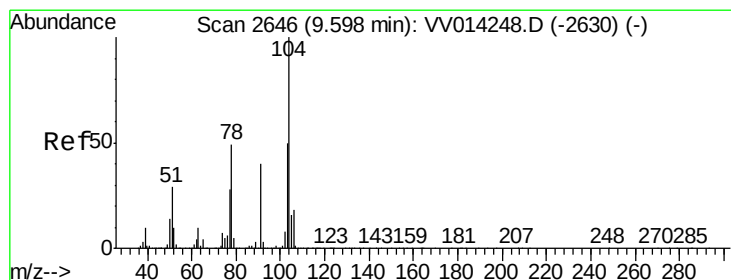
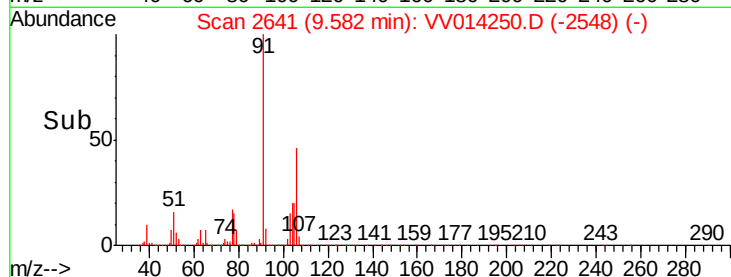
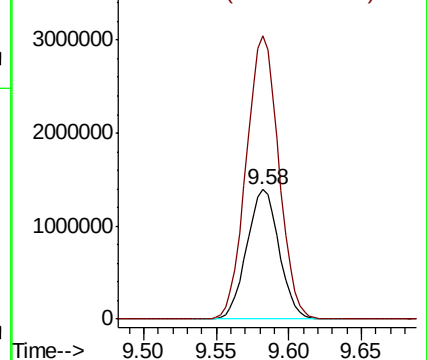
106 100

91 218.4 155.1 288.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 18.625 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014250.D

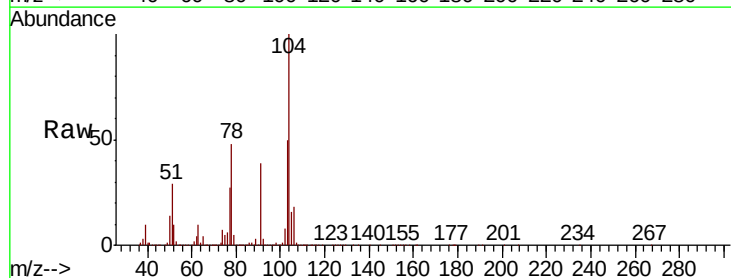
Acq: 02 Jan 2020 15:29

Tgt Ion:104 Resp: 3673430

Ion Ratio Lower Upper

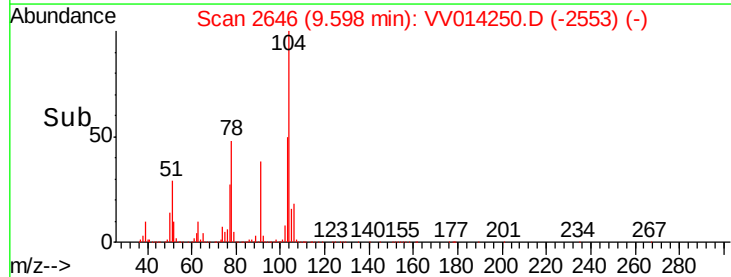
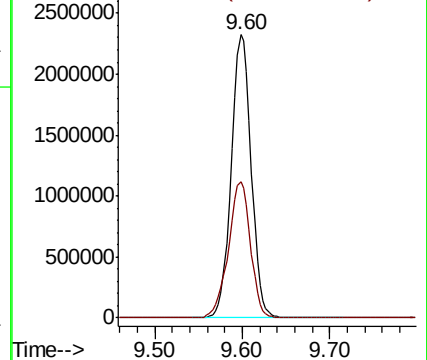
104 100

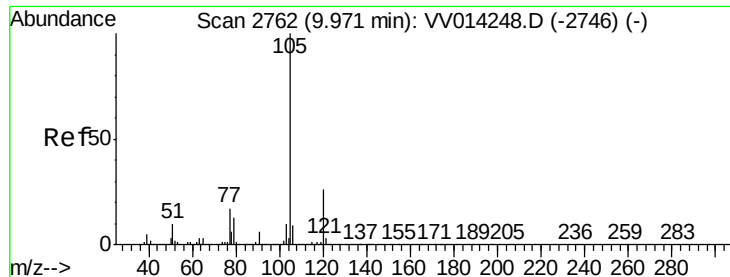
78 48.3 34.1 63.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 18.326 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

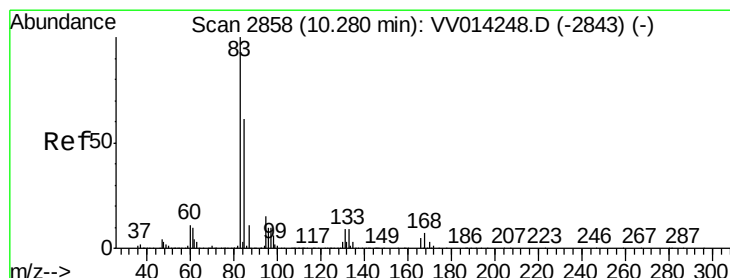
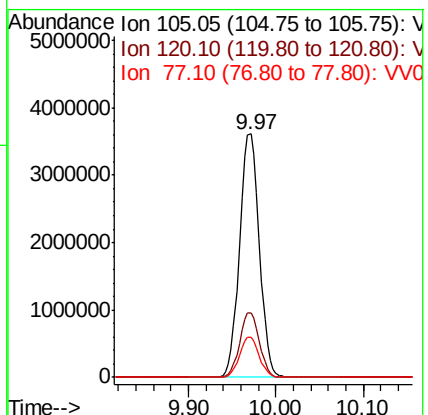
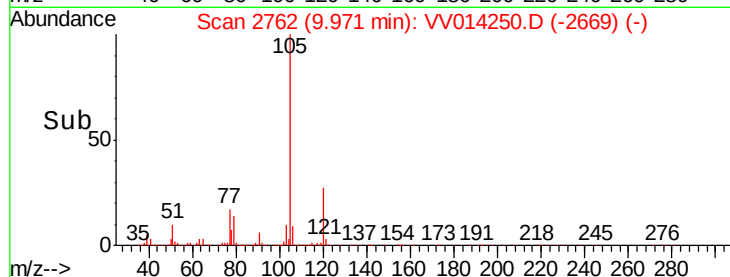
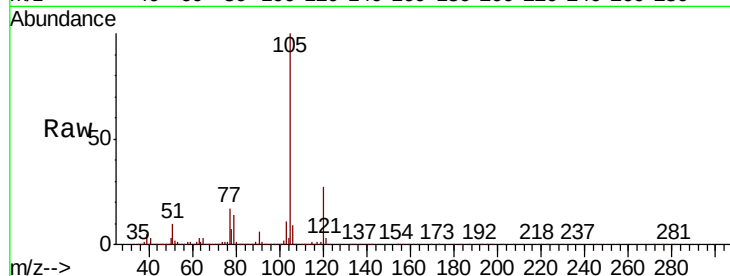
Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:105 Resp: 5650665

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.0	31.6
77	16.4	13.0	19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 18.677 ug/L

RT: 10.28 min Scan# 2858

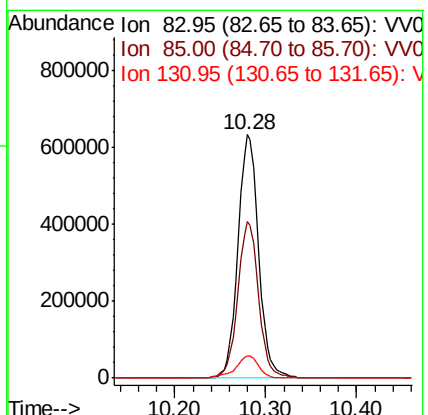
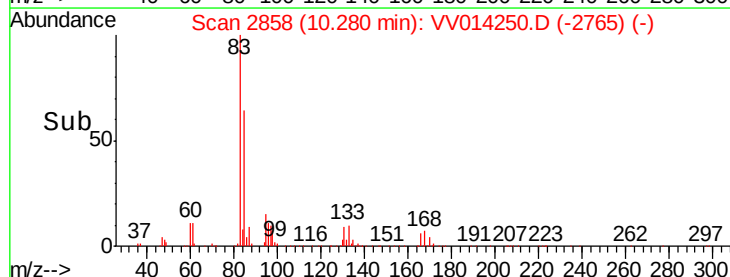
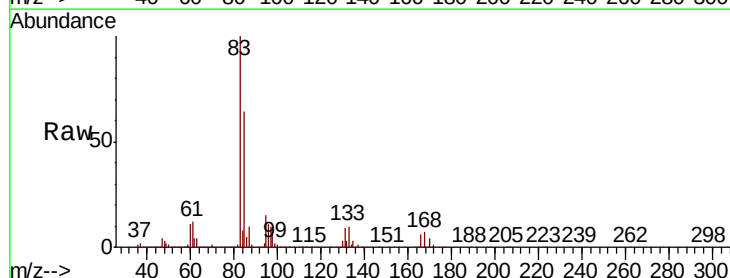
Delta R.T. 0.00 min

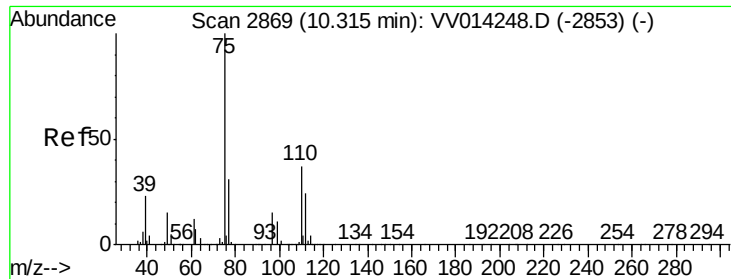
Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Tgt Ion: 83 Resp: 994851

Ion	Ratio	Lower	Upper
83	100		
85	64.2	42.4	78.8
131	9.1	7.4	11.2





#59

1,2,3-Trichloropropane

Concen: 19.018 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

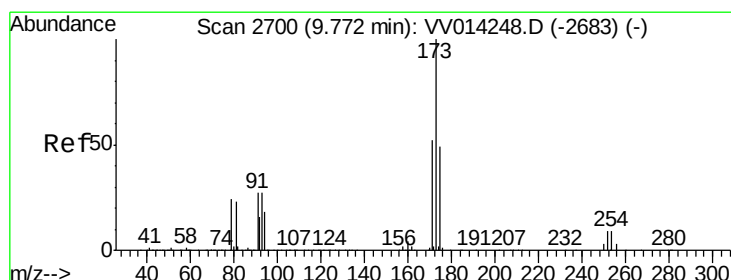
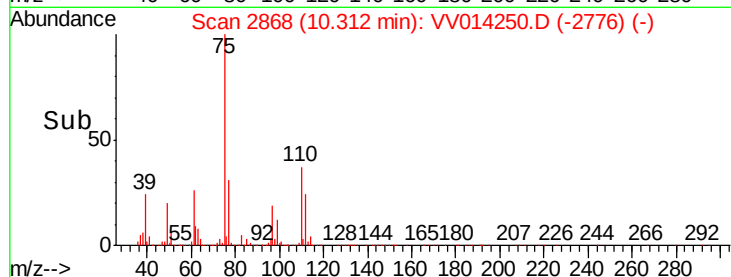
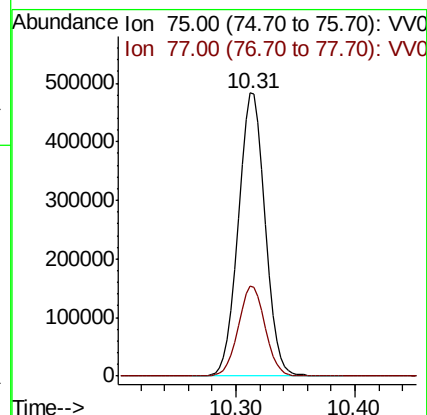
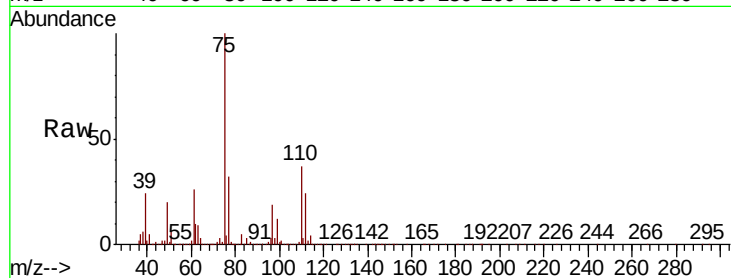
ClientSampled :

Tot Ion: 75 Resp: 751663

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9



#61

Bromoform

Concen: 18.361 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

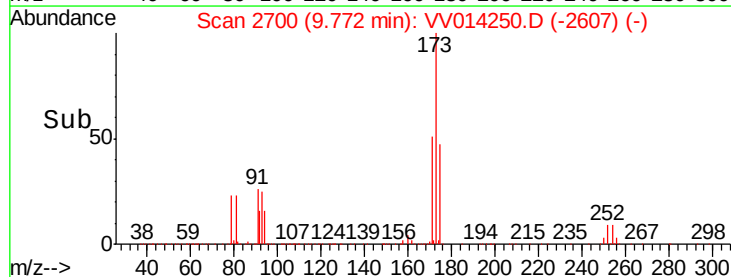
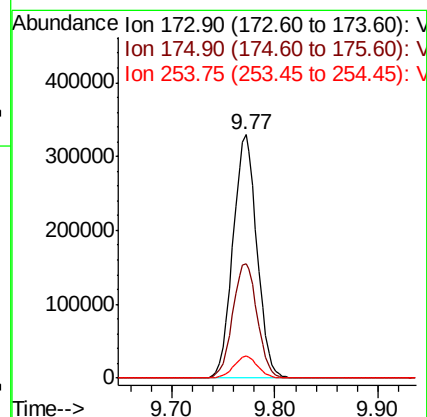
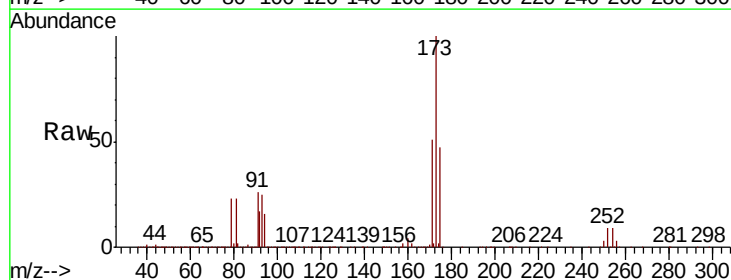
Tgt Ion: 173 Resp: 533029

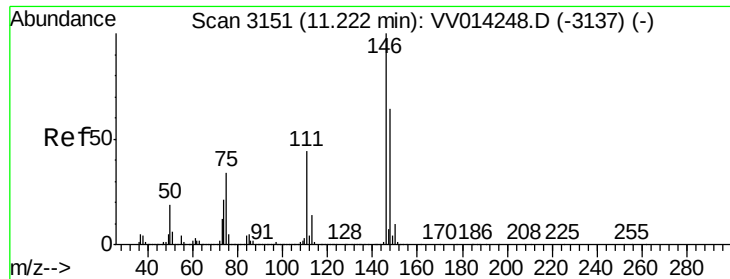
Ion Ratio Lower Upper

173 100

175 48.3 38.8 58.2

254 8.9 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 18.385 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

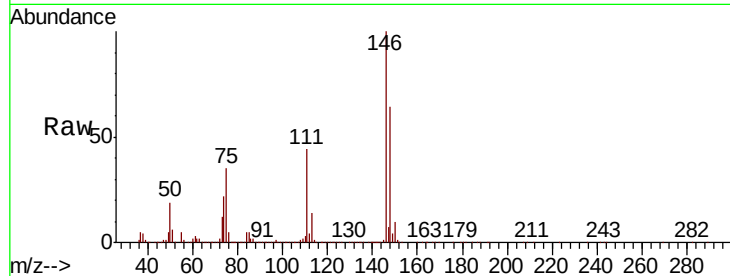
Tot Ion:146 Resp: 2417268

Ion Ratio Lower Upper

146 100

111 44.1 30.6 56.8

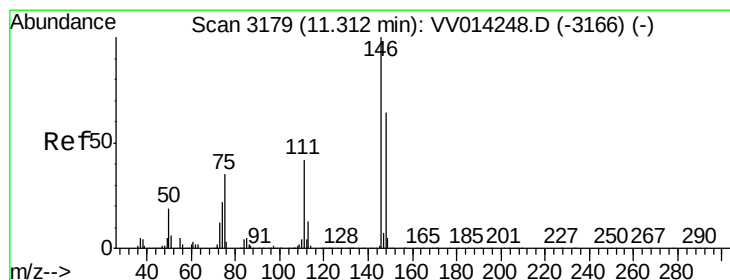
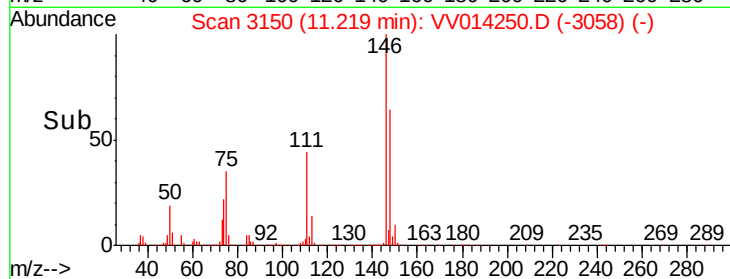
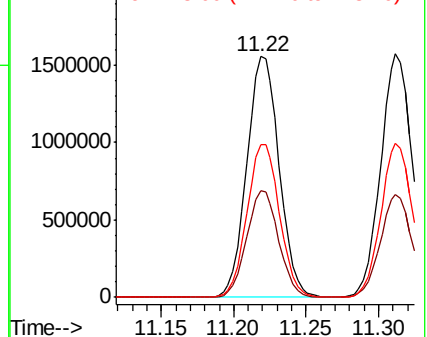
148 63.7 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 18.305 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

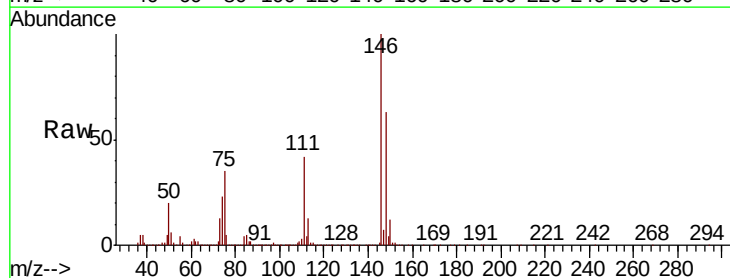
Tgt Ion:146 Resp: 2403895

Ion Ratio Lower Upper

146 100

111 42.3 29.8 55.4

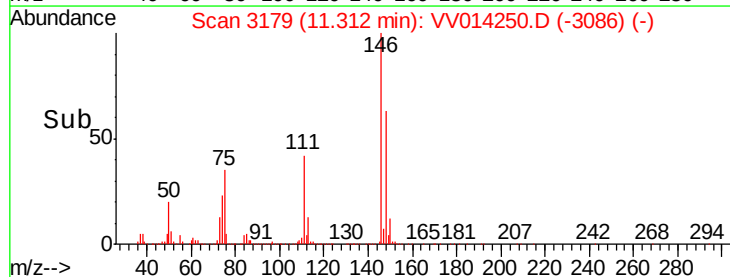
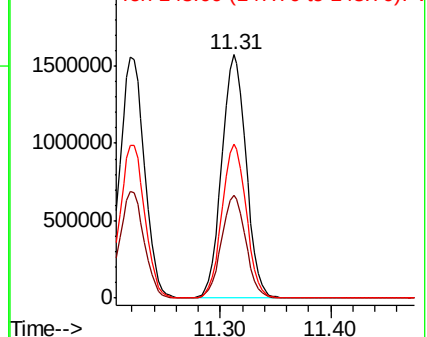
148 63.4 44.6 82.8

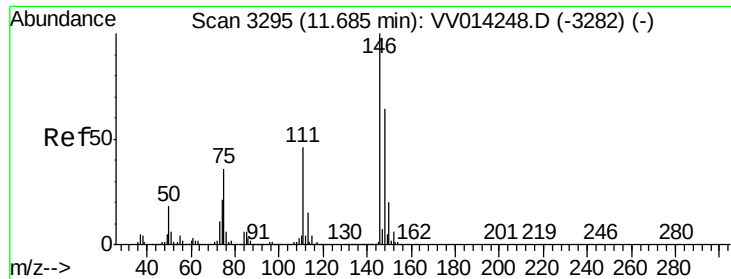


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

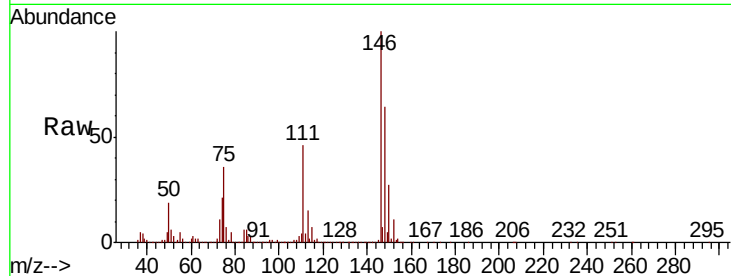




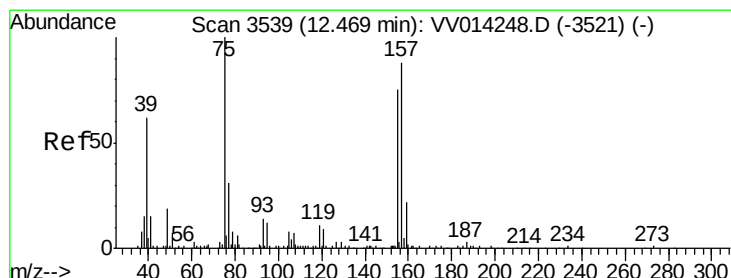
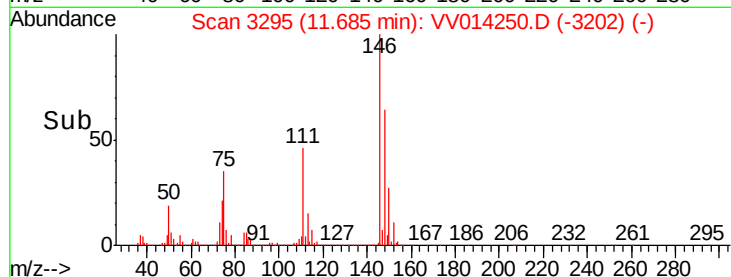
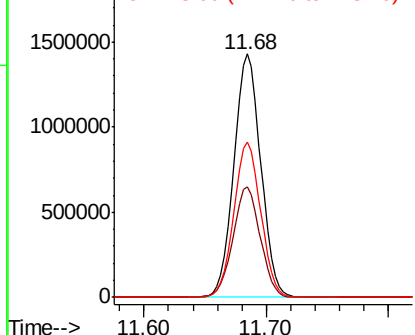
#65
 1,2-Dichlorobenzene
 Concen: 18.192 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 2184015
 Ion Ratio Lower Upper
 146 100
 111 45.6 37.3 55.9
 148 63.9 51.5 77.3

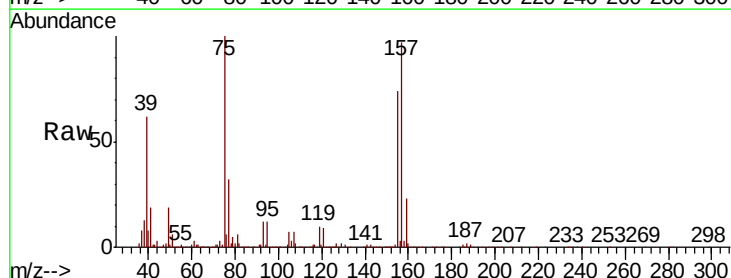


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

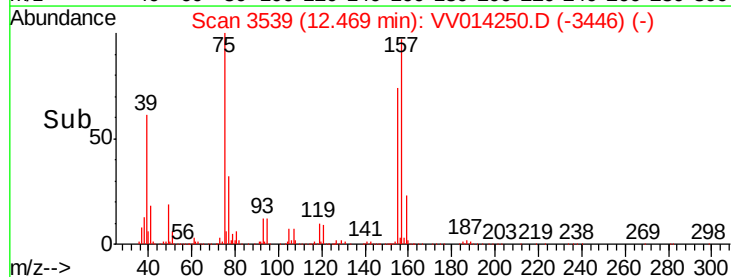
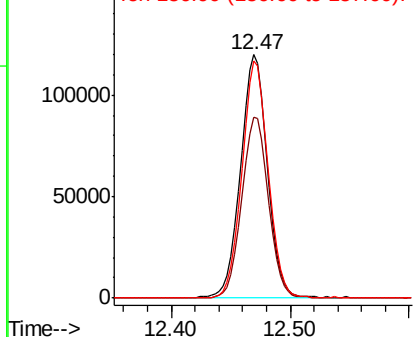


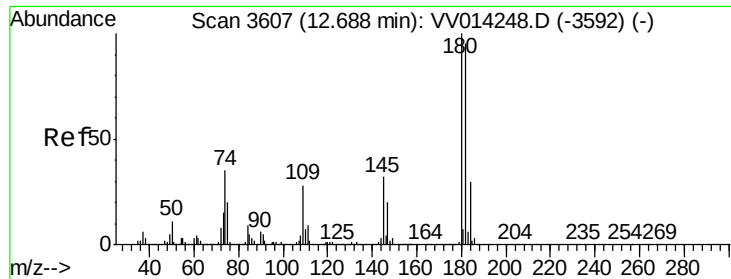
#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.412 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion: 75 Resp: 186391
 Ion Ratio Lower Upper
 75 100
 155 74.3 60.1 90.1
 157 97.3 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

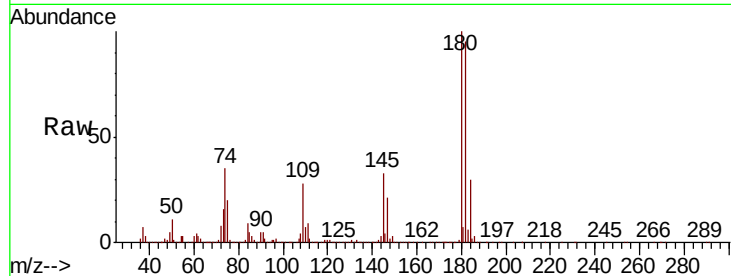




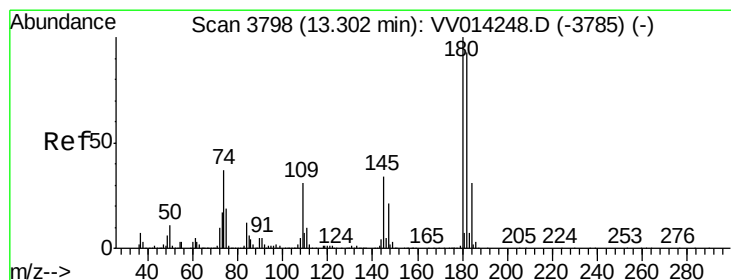
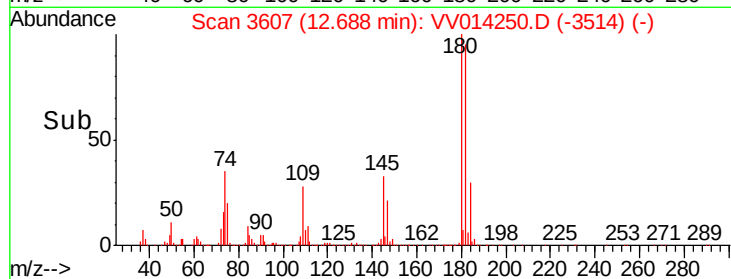
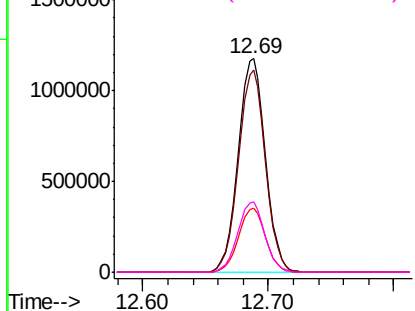
#67
 1,3,5-Trichlorobenzene
 Concen: 18.440 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 1765955
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.1 114.1
 184 30.0 23.6 35.4
 145 32.8 25.8 38.6

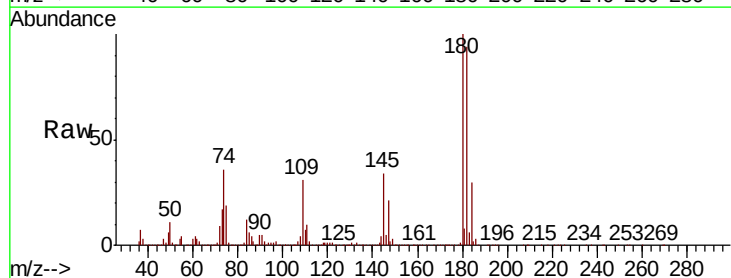


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

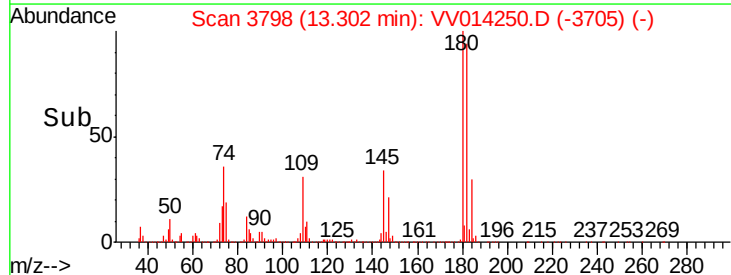
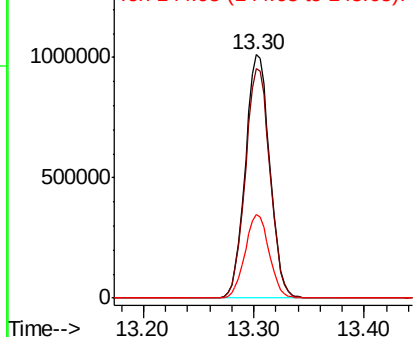


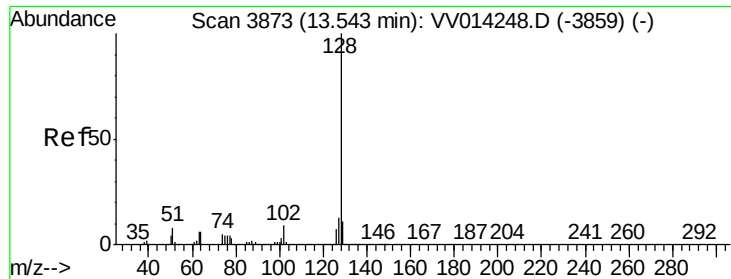
#68
 1,2,4-trichlorobenzene
 Concen: 18.434 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014250.D
 Acq: 02 Jan 2020 15:29

Tgt Ion:180 Resp: 1550225
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.0 114.0
 145 33.8 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: 20.355 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

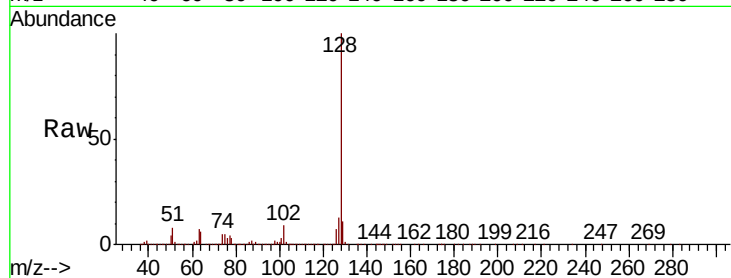
Tot Ion:128 Resp: 3188769

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

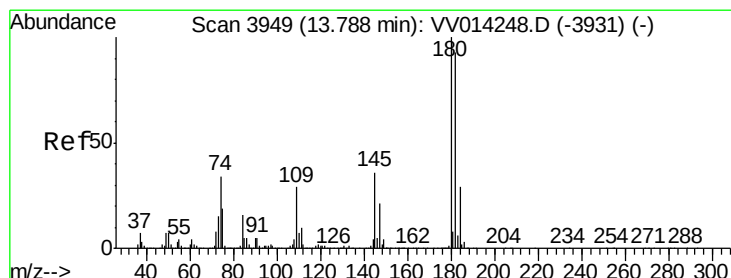
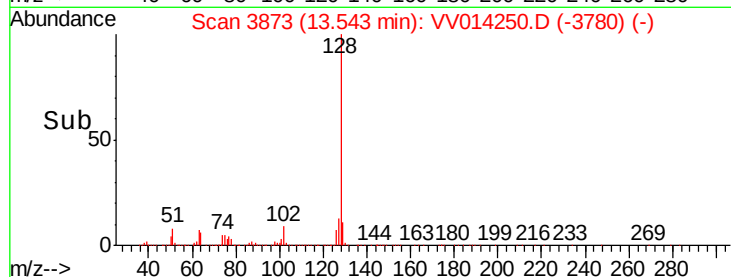
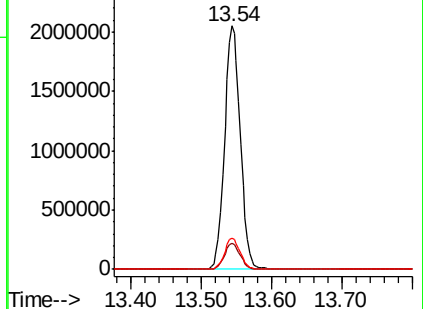
127 12.8 10.2 15.2



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: 18.508 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014250.D

Acq: 02 Jan 2020 15:29

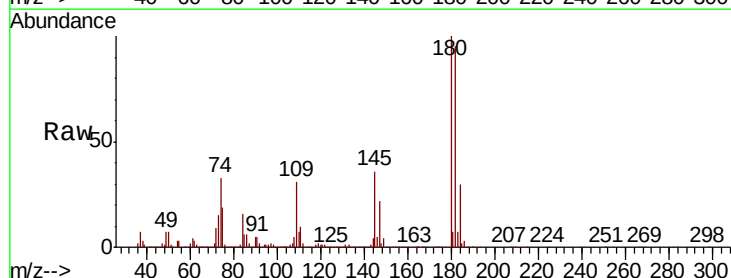
Tgt Ion:180 Resp: 1360930

Ion Ratio Lower Upper

180 100

182 94.6 75.1 112.7

145 35.6 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

