

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013175.D
 Acq On : 17 Oct 2019 16:37
 Operator : SY/MD
 Sample : VSTD00136
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 01:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 01:50:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	482112	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	507536	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	273537	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50761	1.03	ug/L	0.00
7) Chloroethane-d5	1.59	69	36910	0.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	71859	0.99	ug/L	0.00
20) 2-Butanone-d5	3.99	46	48850	4.92	ug/L	0.03
24) Chloroform-d	4.40	84	81126	1.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	38899	1.00	ug/L	0.00
32) Benzene-d6	5.10	84	158136	0.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	48546	0.93	ug/L	0.00
41) Toluene-d8	7.36	98	137966	0.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	15769	0.83	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	58188	7.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36039	0.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	50756	0.86	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	53068	1.376 ug/L	95
3) Chloromethane	1.25	50	57394	1.390 ug/L	96
5) Vinyl chloride	1.32	62	56161	1.241 ug/L	96
6) Bromomethane	1.54	94	33902	1.475 ug/L	97
8) Chloroethane	1.60	64	29393	1.235 ug/L	99
9) Trichlorofluoromethane	1.77	101	70977	1.278 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	39347	1.220 ug/L	94
12) 1,1-Dichloroethene	2.14	96	36674	1.232 ug/L	91
13) Acetone	2.48	43	10729	1.910 ug/L	60
14) Carbon disulfide	2.32	76	121433	1.637 ug/L	99
15) Methyl Acetate	2.48	43	10729	0.761 ug/L #	80
16) Methylene chloride	2.54	84	76733	2.043 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	78414	0.983 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	44841	1.303 ug/L	98
19) 1,1-Dichloroethane	3.23	63	81052	1.193 ug/L	96
21) 2-Butanone	4.06	43	68250	7.587 ug/L #	65
22) cis-1,2-Dichloroethene	3.96	96	43353	1.162 ug/L #	96
23) Bromochloromethane	4.30	128	18574	1.131 ug/L	94
25) Chloroform	4.43	83	88315	1.179 ug/L	98
27) 1,2-Dichloroethane	5.19	62	45678	1.137 ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	64321	1.078 ug/L	99
30) Cyclohexane	4.72	56	64271	1.186 ug/L	97
31) Carbon tetrachloride	4.88	117	57811	1.125 ug/L	96
33) Benzene	5.15	78	170097	1.121 ug/L	100
34) Trichloroethene	5.96	95	45128	1.157 ug/L	95
35) Methylcyclohexane	6.17	83	64141	1.154 ug/L	98
37) 1,2-Dichloropropane	6.23	63	41130	1.028 ug/L #	93
38) Bromodichloromethane	6.55	83	53698	1.036 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	49652	0.924 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	204195	8.314 ug/L	96

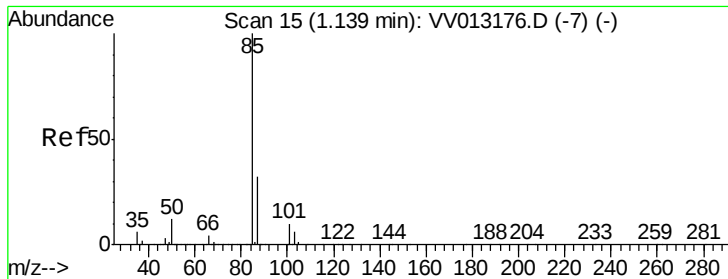
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
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 QLast Update : Fri Oct 18 01:50:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	167353	1.055	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	39735	0.940	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	29705	1.016	ug/L	95
47) Tetrachloroethene	8.02	164	38482	1.190	ug/L	91
48) 2-Hexanone	8.19	43	140659	7.912	ug/L	95
49) Dibromochloromethane	8.29	129	33602	0.988	ug/L	95
50) 1,2-Dibromoethane	8.40	107	25701	1.029	ug/L	98
51) Chlorobenzene	8.92	112	112482	1.060	ug/L	100
52) Ethylbenzene	9.05	91	171202	1.006	ug/L	99
53) m,p-xylene	9.18	106	61675	0.970	ug/L	97
54) o-xylene	9.59	106	59215	0.955	ug/L	97
55) Styrene	9.60	104	92971	0.883	ug/L	99
56) Isopropylbenzene	9.97	105	153907	0.929	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	35056	0.968	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	25069	0.992	ug/L	96
61) Bromoform	9.77	173	18437	0.923	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	80726	0.911	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	80886	0.900	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	78044	0.909	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	5237	0.907	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	58294	0.863	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	46308	0.842	ug/L	99
69) Naphthalene	13.55	128	58747	0.713	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	43536	0.809	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 1.376 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

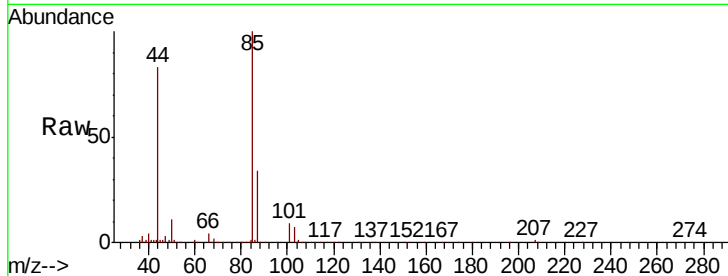
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 53068

Ion Ratio Lower Upper

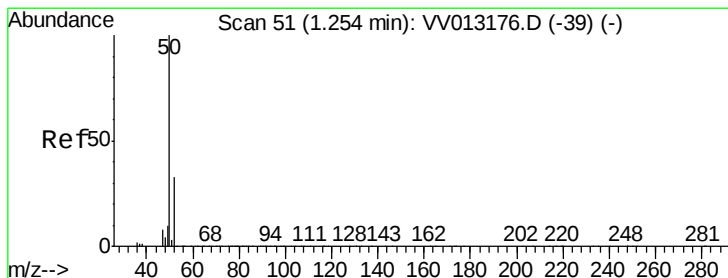
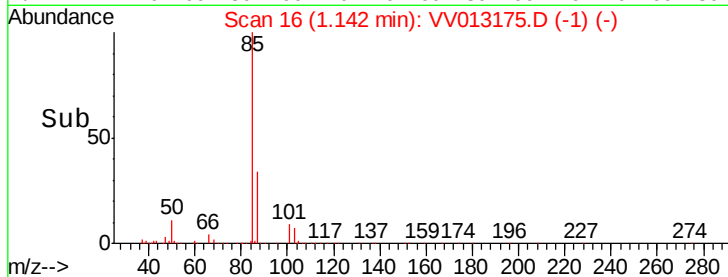
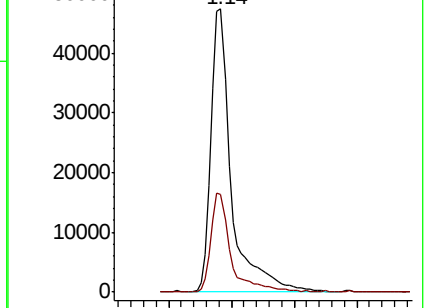
85 100

87 34.6 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 1.390 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013175.D

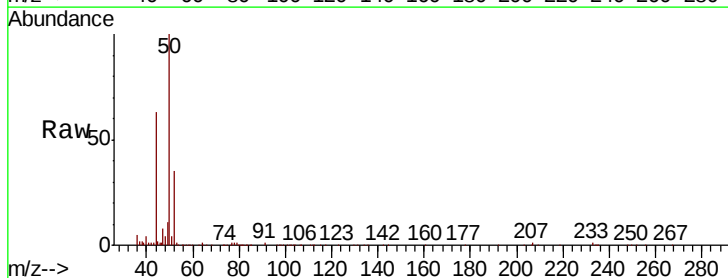
Acq: 17 Oct 2019 16:37

Tgt Ion: 50 Resp: 57394

Ion Ratio Lower Upper

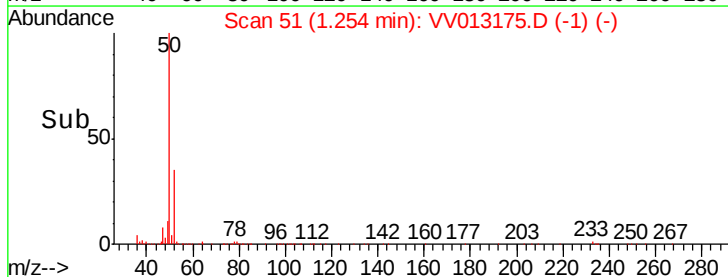
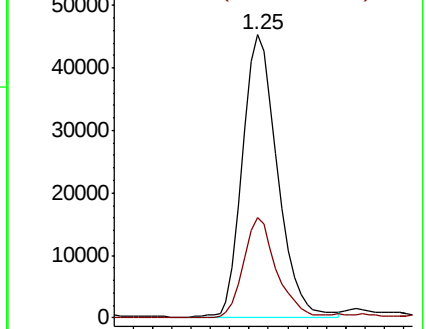
50 100

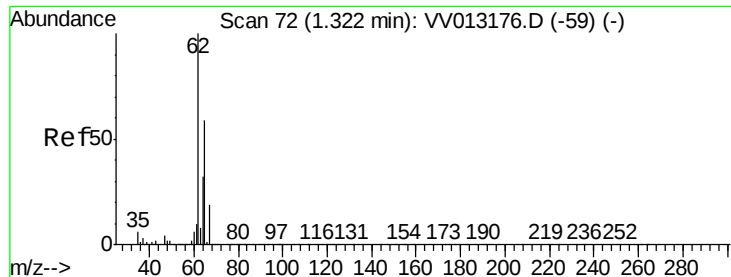
52 35.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 1.241 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

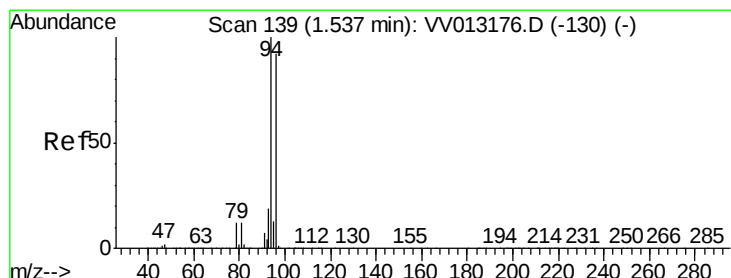
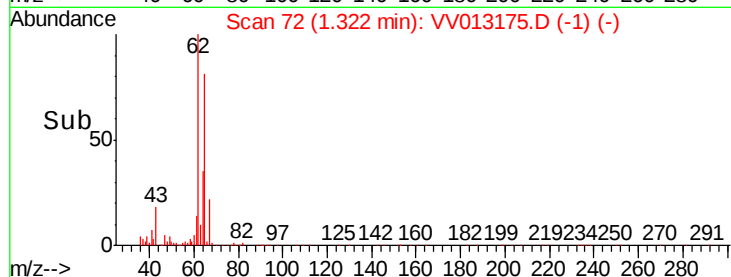
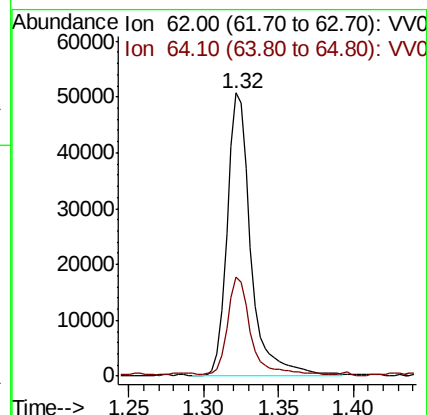
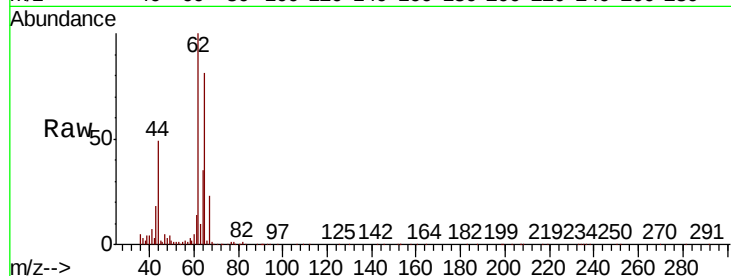
ClientSampled :

Tot Ion: 62 Resp: 56161

Ion Ratio Lower Upper

62 100

64 34.8 22.7 42.3



#6

Bromomethane

Concen: 1.475 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV013175.D

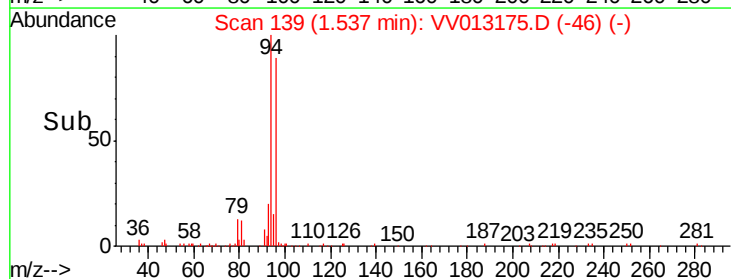
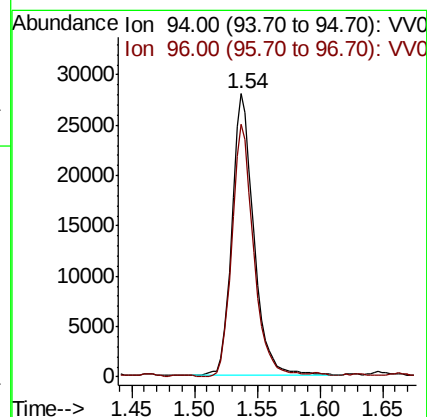
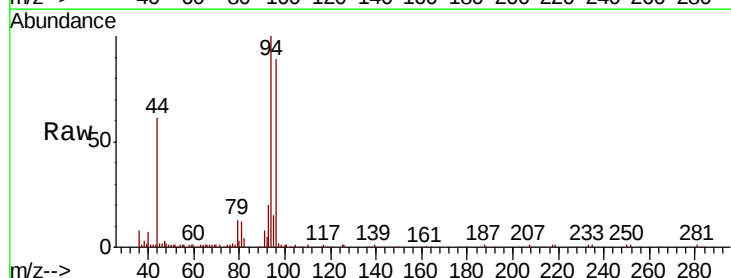
Acq: 17 Oct 2019 16:37

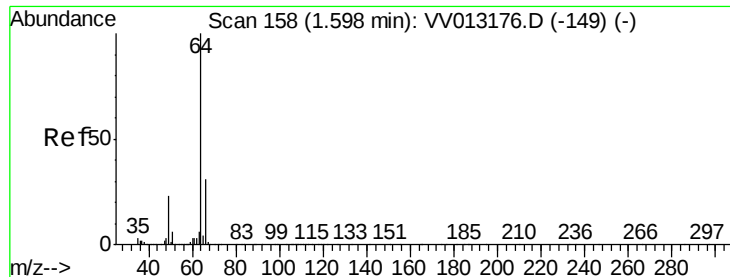
Tgt Ion: 94 Resp: 33902

Ion Ratio Lower Upper

94 100

96 89.1 64.6 120.0





#8

Chloroethane

Concen: 1.235 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

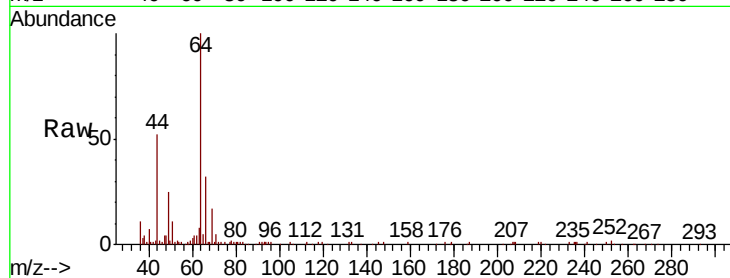
Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 29393

Ion	Ratio	Lower	Upper
64	100		
66	31.7	21.6	40.2

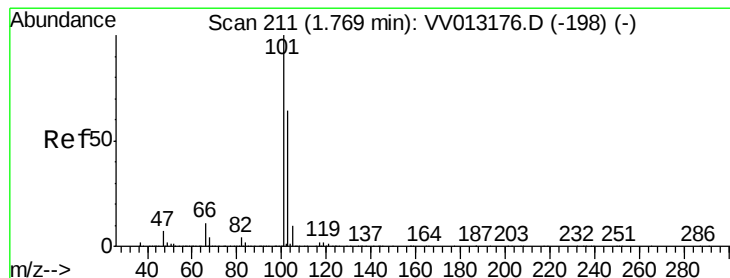
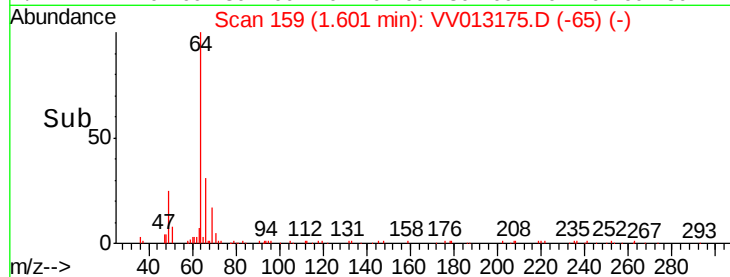


Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 1.278 ug/L

RT: 1.77 min Scan# 211

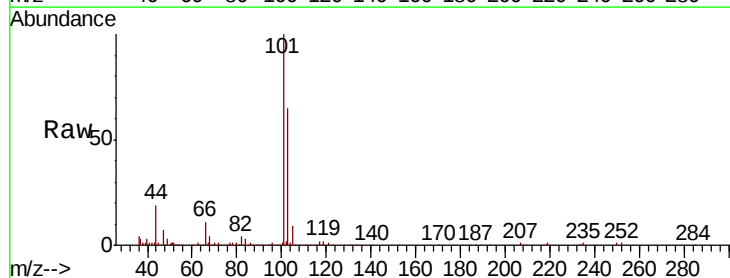
Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Tgt Ion: 101 Resp: 70977

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.5	77.3

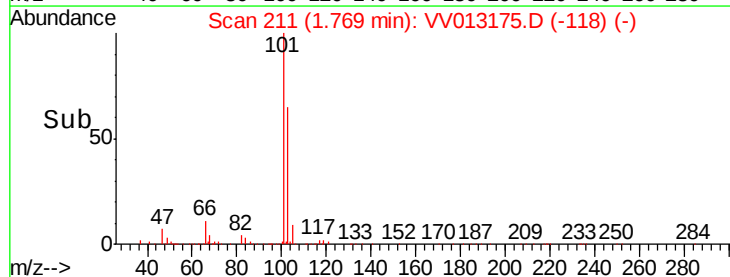


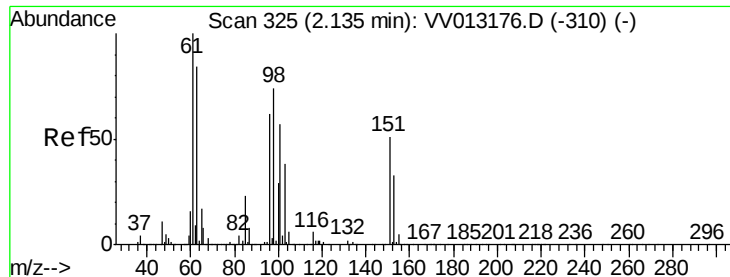
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

Time-->





#10

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

Concen: 1.220 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

ClientSampleId :

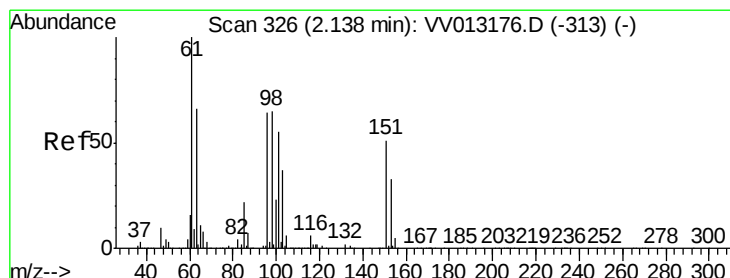
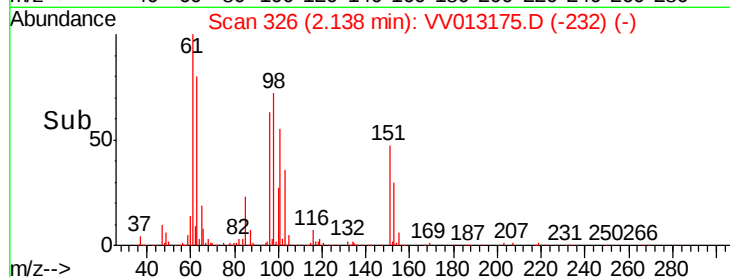
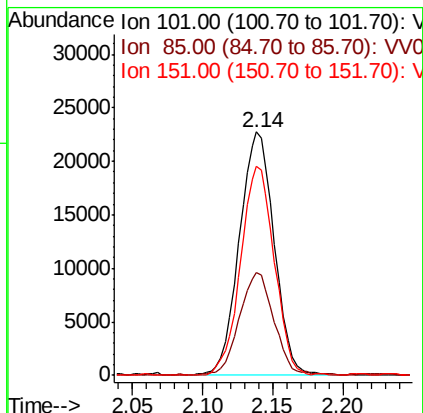
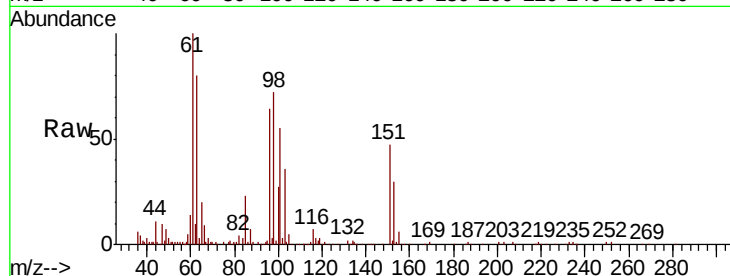
Tot Ion:101 Resp: 39347

Ion Ratio Lower Upper

101 100

85 41.8 32.4 48.6

151 82.9 71.9 107.9



#12

1,1-Dichloroethene

Concen: 1.232 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

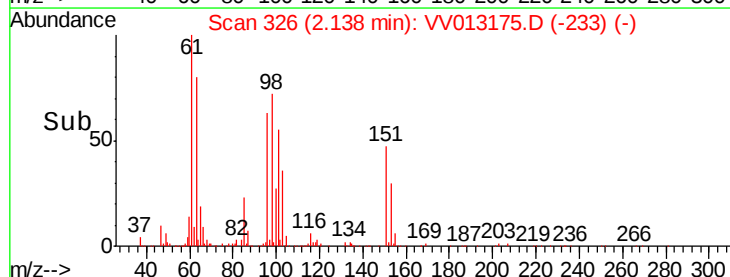
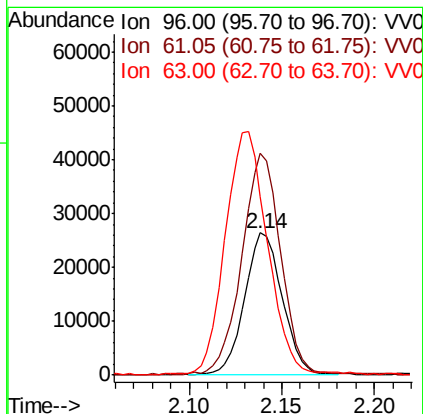
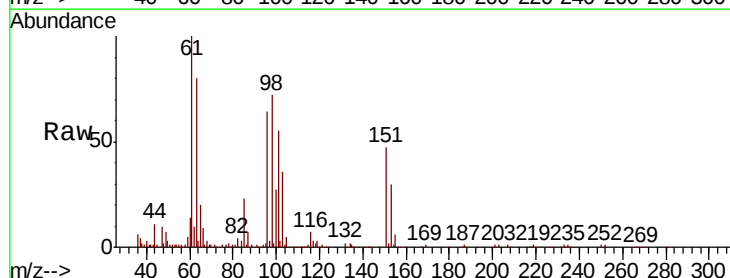
Tgt Ion: 96 Resp: 36674

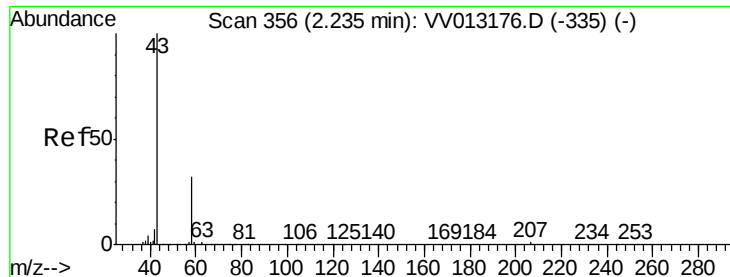
Ion Ratio Lower Upper

96 100

61 156.3 109.8 204.0

63 125.1 72.6 134.8

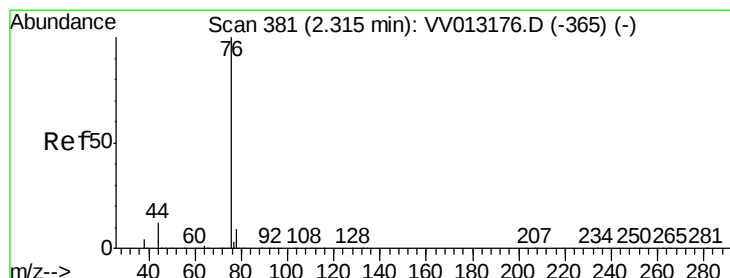
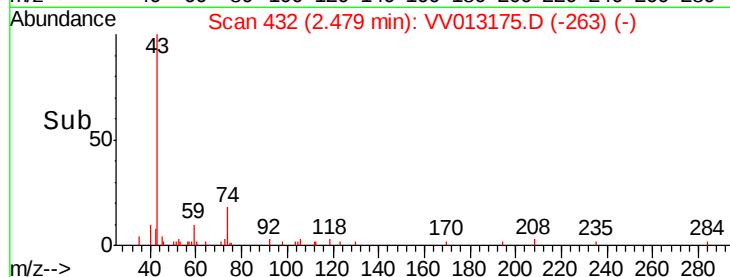
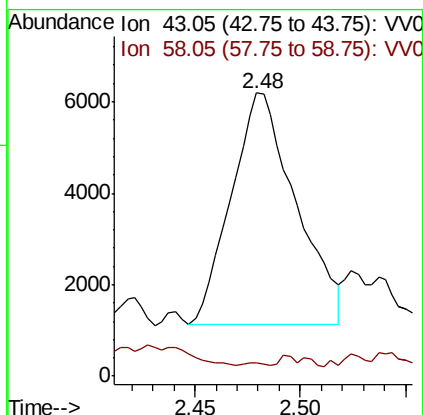
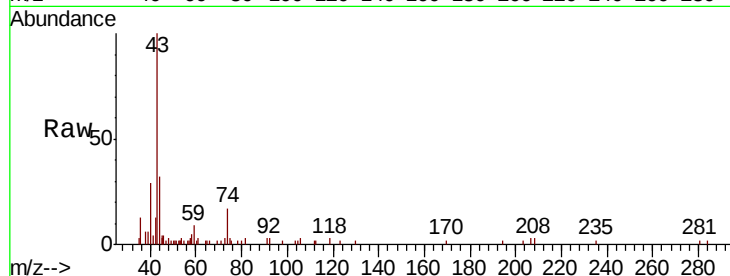




#13
Acetone
Concen: 1.910 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.24 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

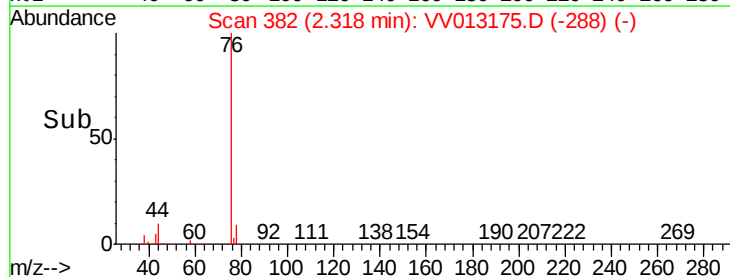
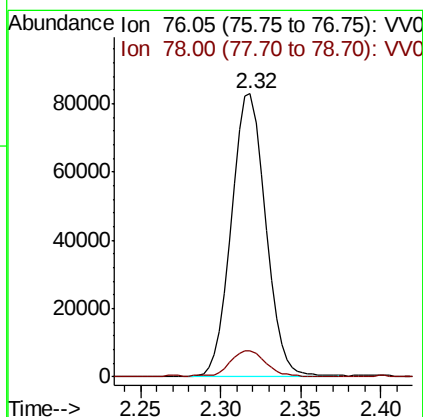
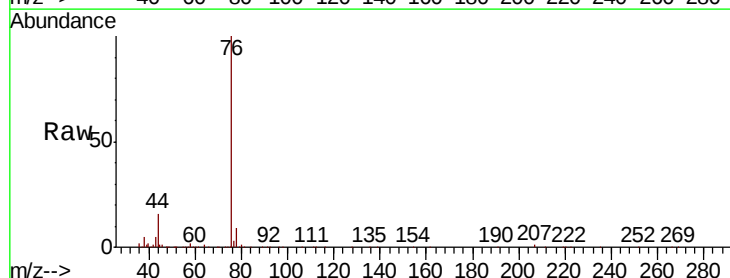
Instrument :
MSVOA_V
ClientSampleId :

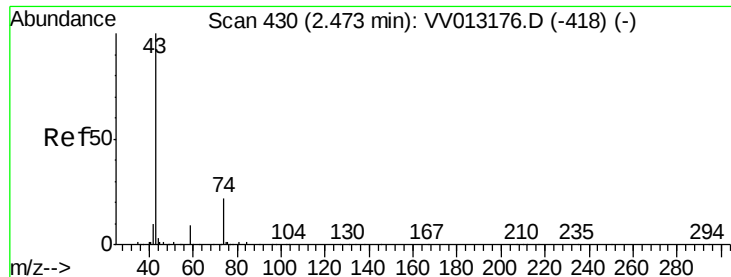
Tot Ion: 43 Resp: 10729
Ion Ratio Lower Upper
43 100
58 5.7 0.0 52.4



#14
Carbon disulfide
Concen: 1.637 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion: 76 Resp: 121433
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 0.761 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.01 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

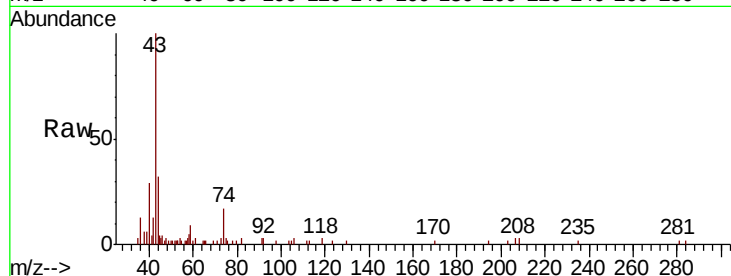
ClientSampleId :

Tot Ion: 43 Resp: 10729

Ion Ratio Lower Upper

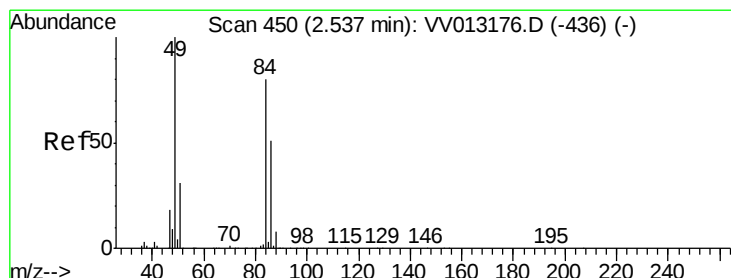
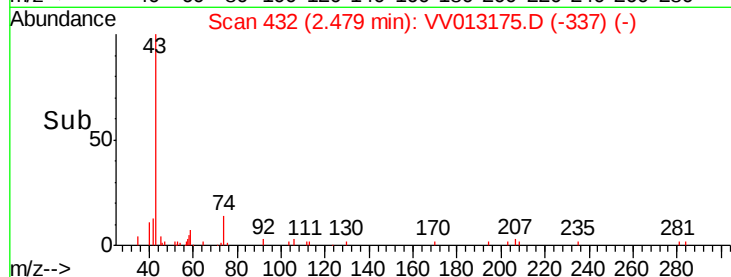
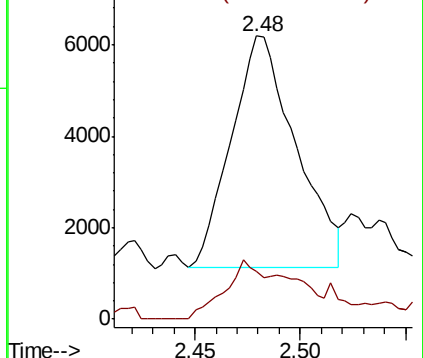
43 100

74 15.8 20.7 31.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 2.043 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

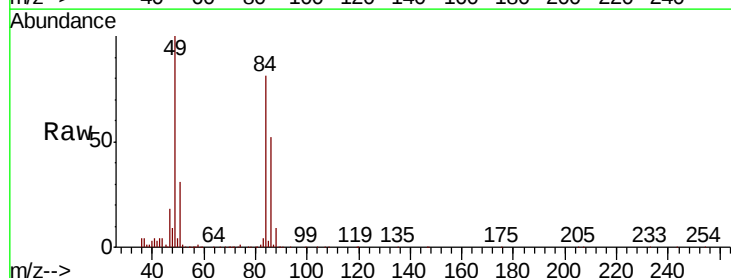
Tgt Ion: 84 Resp: 76733

Ion Ratio Lower Upper

84 100

86 64.0 44.5 82.7

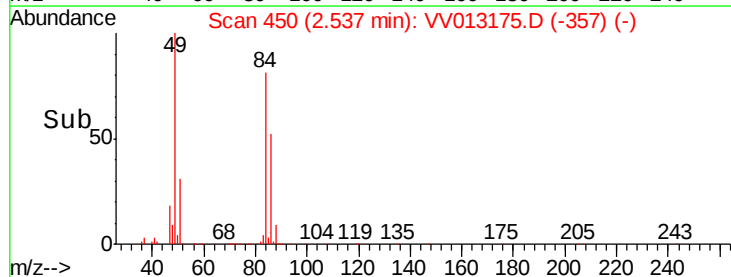
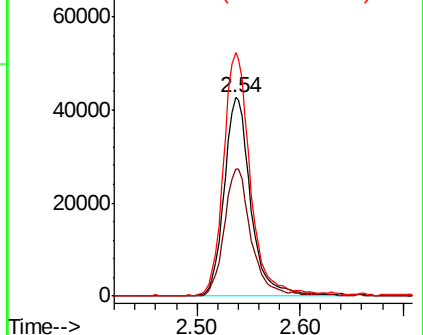
49 122.7 87.3 162.1

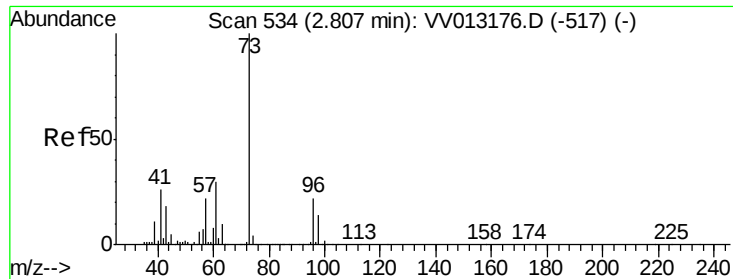


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

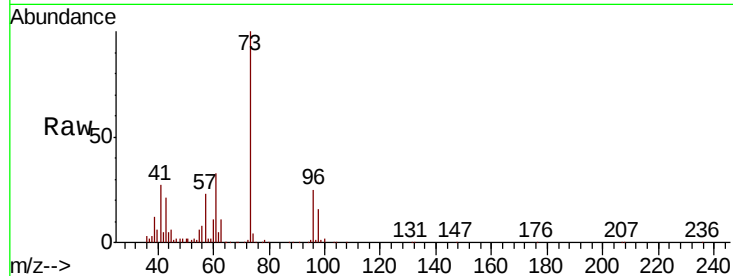




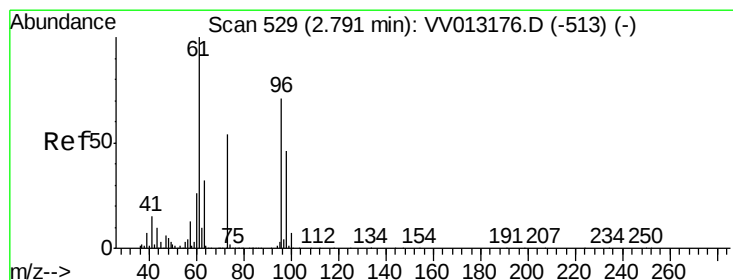
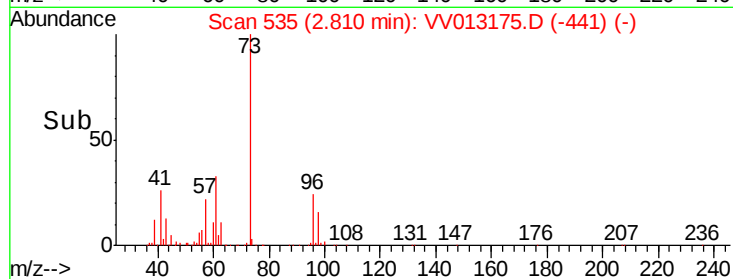
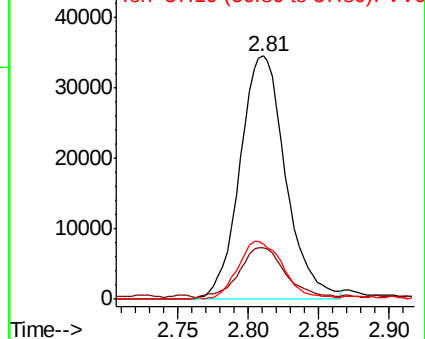
#17
Methvl tert-butvl Ether
Concen: 0.983 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 78414
Ion Ratio Lower Upper
73 100
43 20.3 14.6 22.0
57 23.0 17.8 26.8

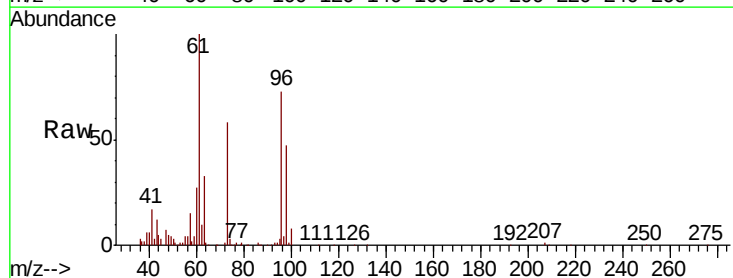


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

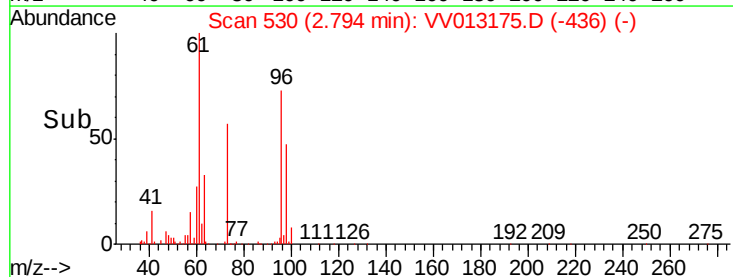
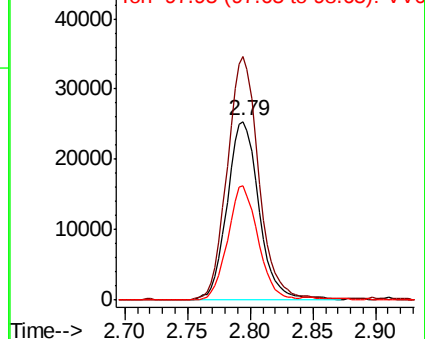


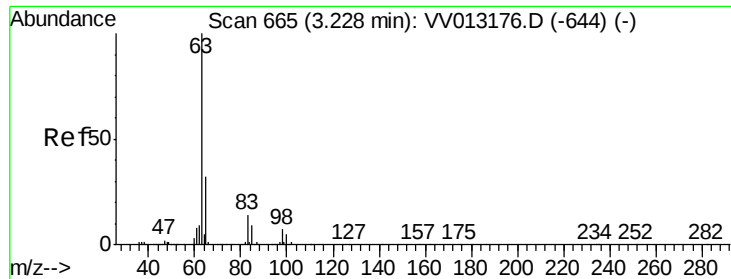
#18
trans-1,2-Dichloroethene
Concen: 1.303 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion: 96 Resp: 44841
Ion Ratio Lower Upper
96 100
61 136.2 98.1 182.1
98 63.9 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

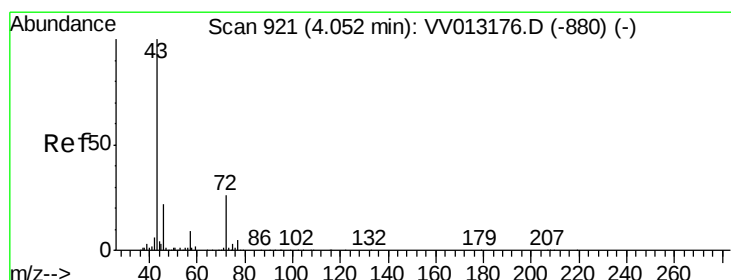
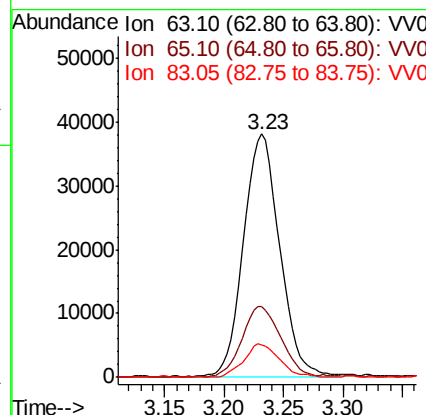
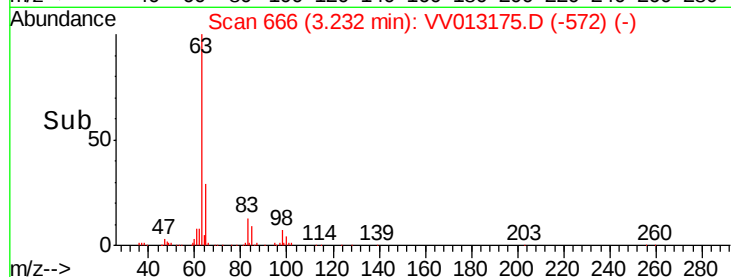
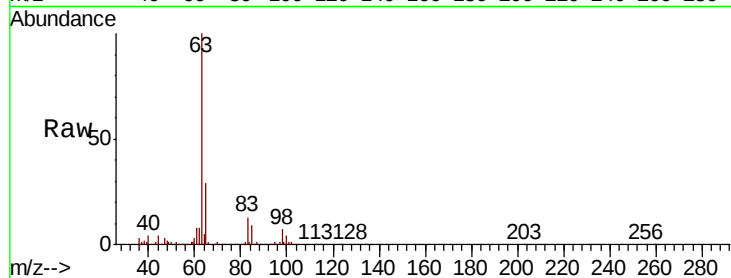




#19
1,1-Dichloroethane
Concen: 1.193 ug/L
RT: 3.23 min Scan# 666
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

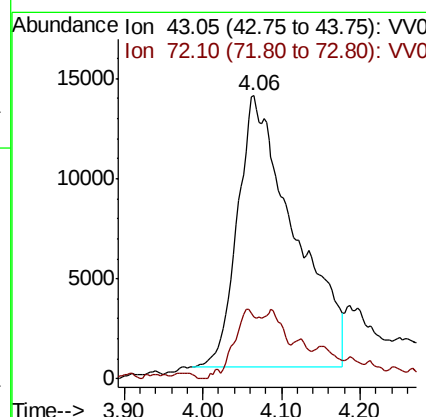
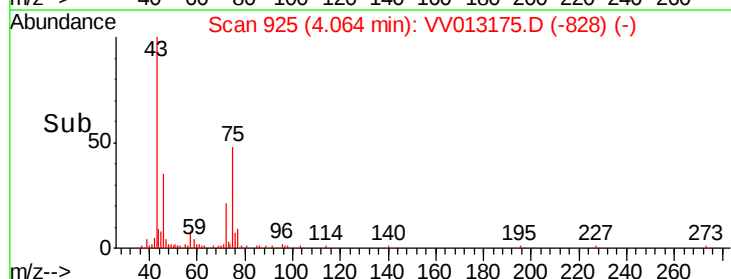
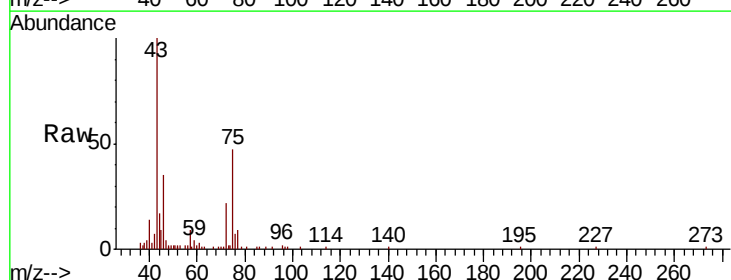
Instrument :
MSVOA_V
ClientSampled :

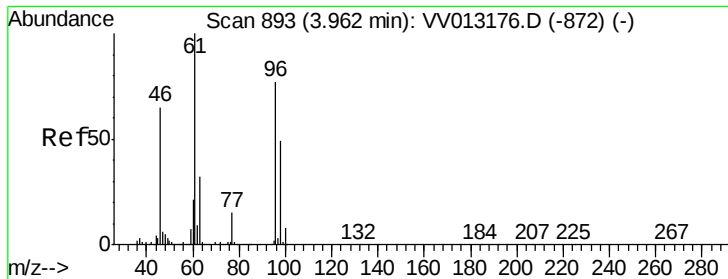
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	22.5	41.7
83	13.5	9.5	17.7



#21
2-Butanone
Concen: 7.587 ug/L
RT: 4.06 min Scan# 925
Delta R.T. 0.01 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
72	8.1	13.1	39.1#



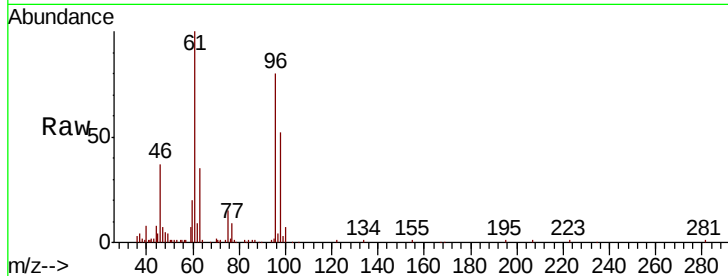


#22

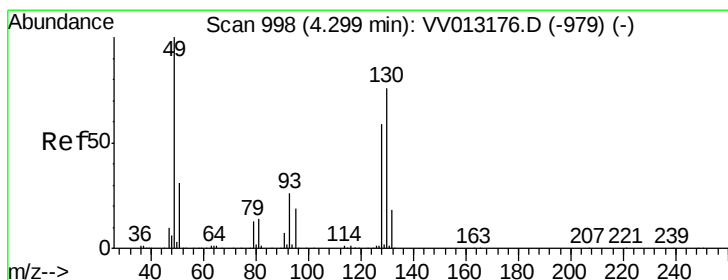
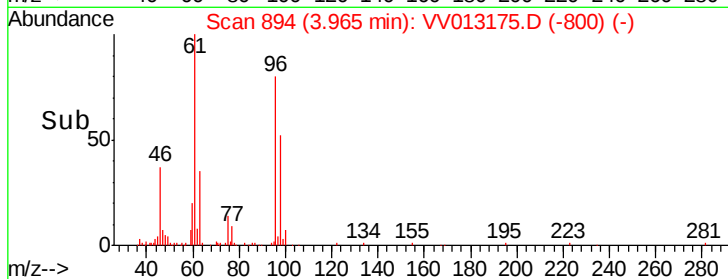
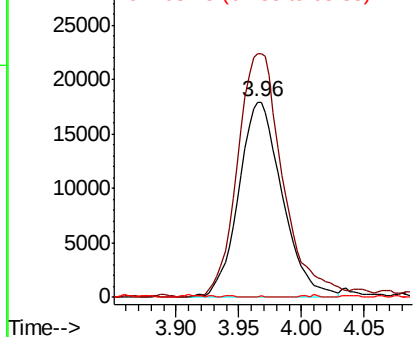
cis-1,2-Dichloroethene
Concen: 1.162 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 43353
Ion Ratio Lower Upper
96 100
61 124.8 90.6 168.2
68 0.0 0.1 0.1#



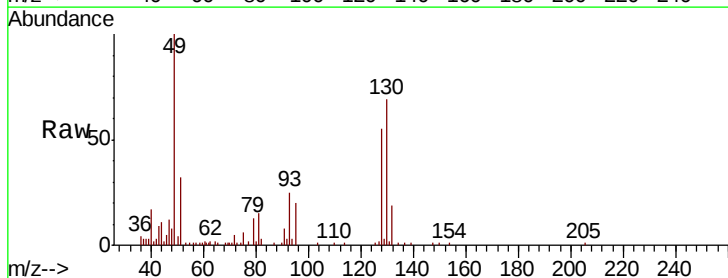
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



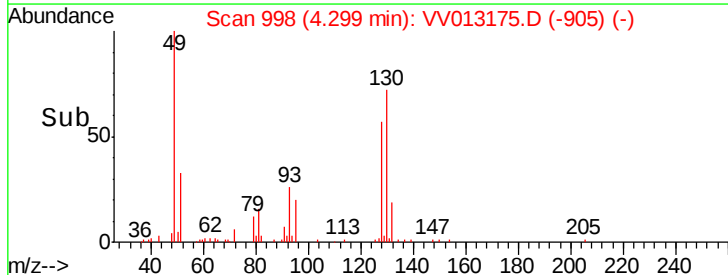
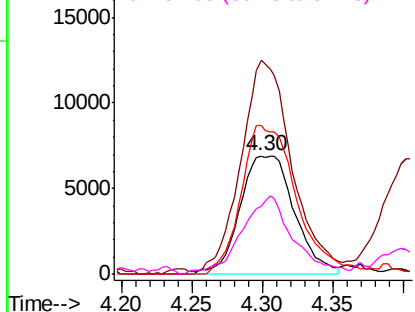
#23

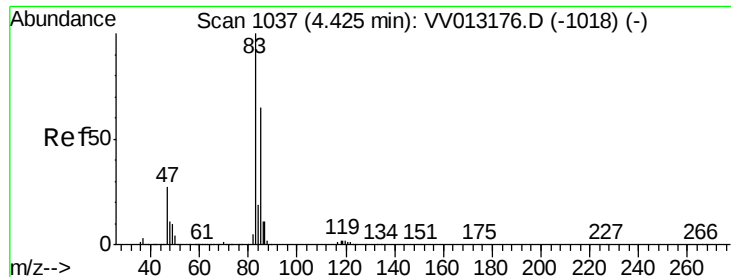
Bromochloromethane
Concen: 1.131 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion: 128 Resp: 18574
Ion Ratio Lower Upper
128 100
49 181.0 118.4 219.8
130 125.6 89.5 166.3
51 58.0 42.0 63.0



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

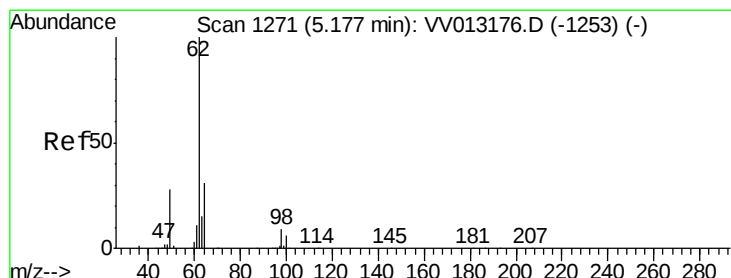
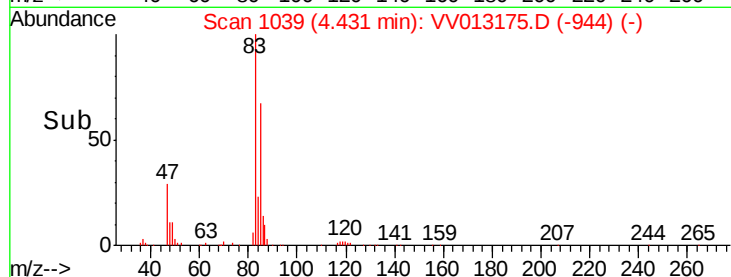
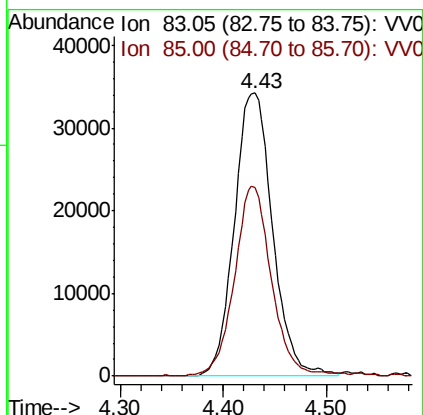
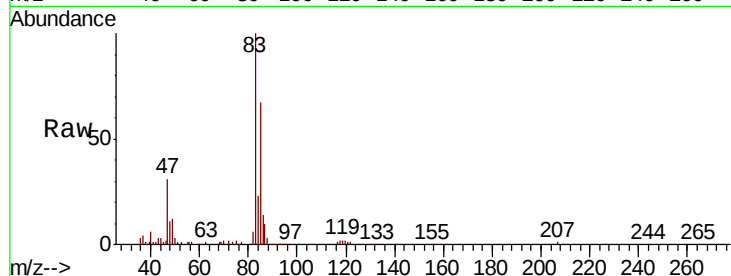




#25
Chloroform
Concen: 1.179 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

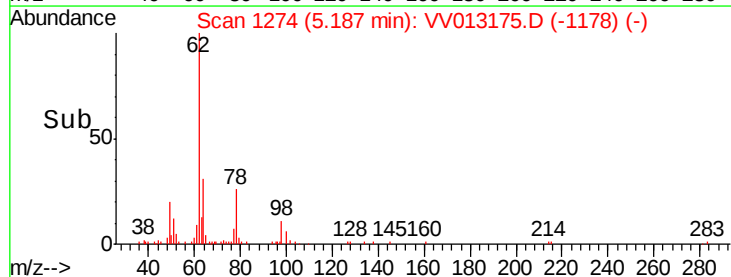
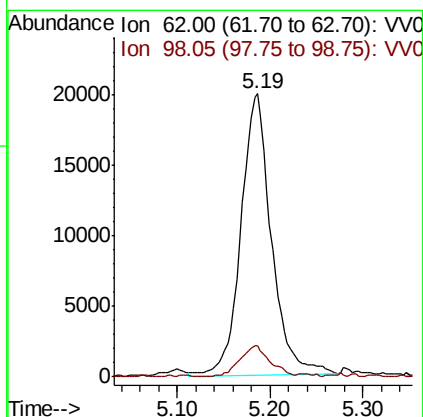
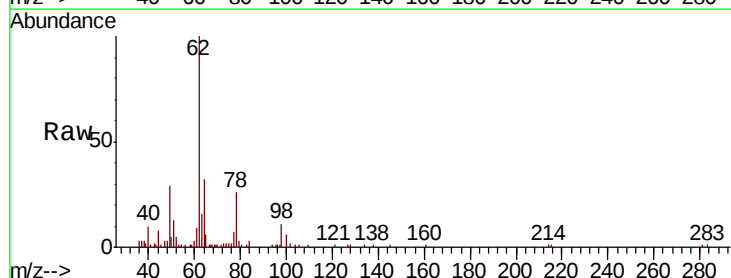
Instrument :
MSVOA_V
ClientSampleId :

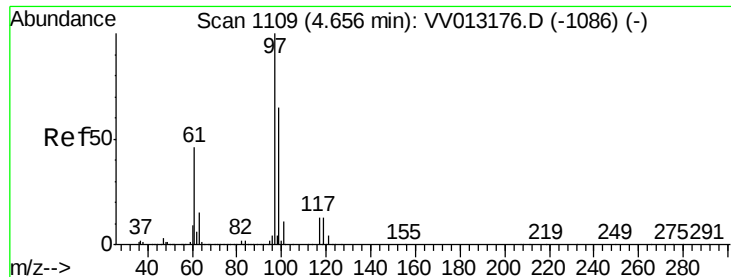
Tot Ion: 83 Resp: 88315
Ion Ratio Lower Upper
83 100
85 66.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 1.137 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion: 62 Resp: 45678
Ion Ratio Lower Upper
62 100
98 10.9 7.4 11.2

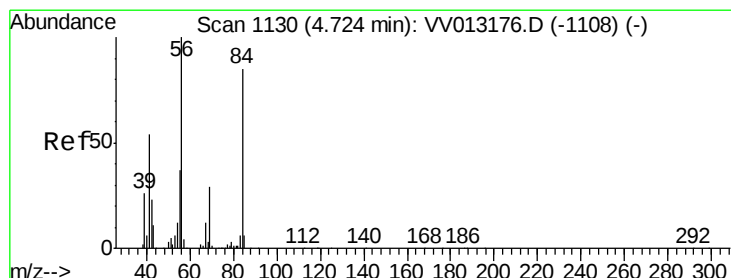
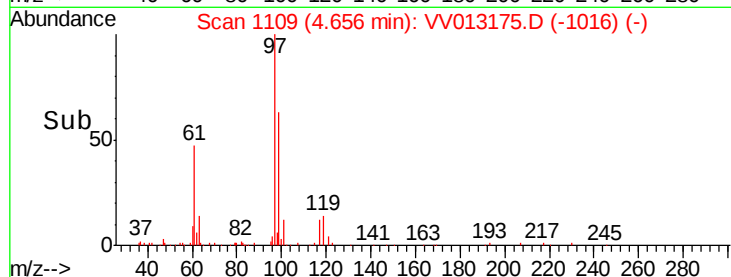
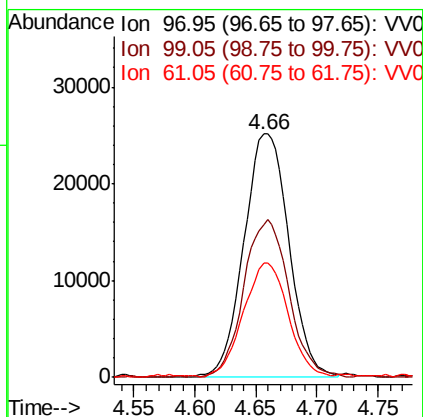
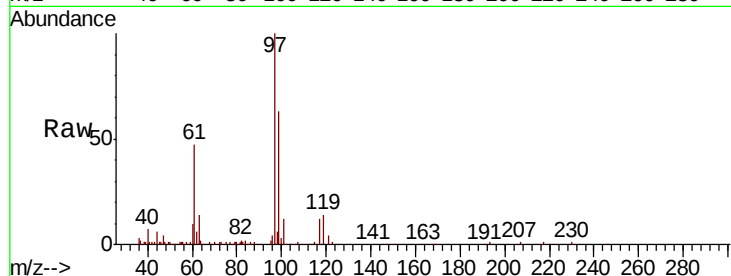




#29
 1,1,1-Trichloroethane
 Concen: 1.078 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

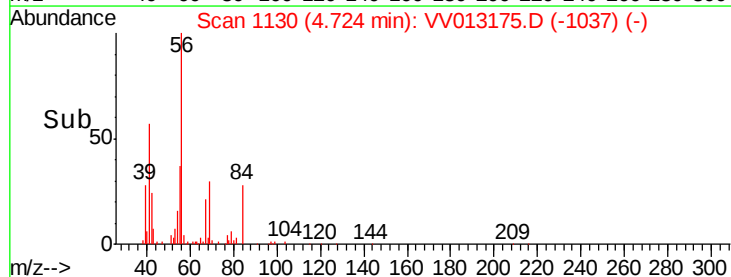
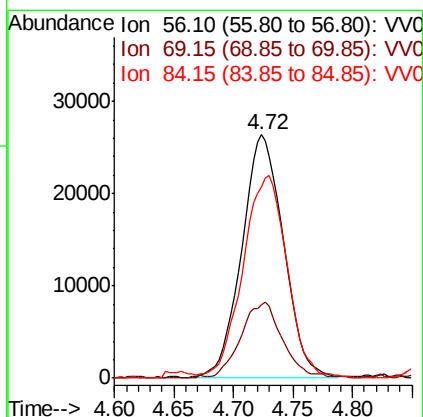
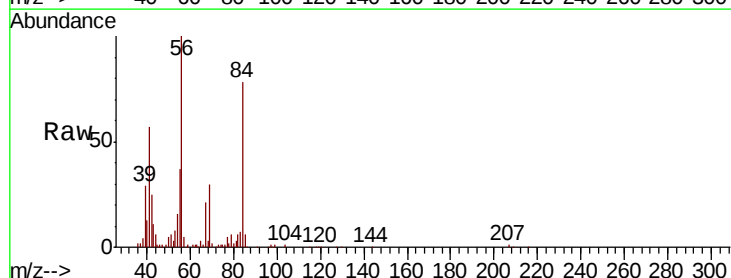
Instrument :
 MSVOA_V
 ClientSampleId :

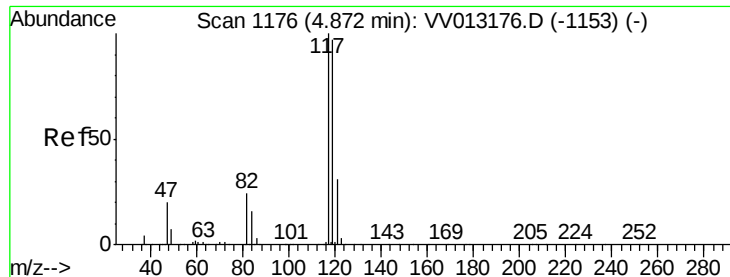
Tot Ion: 97 Resp: 64321
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.2 76.8
 61 46.9 37.0 55.4



#30
 Cyclohexane
 Concen: 1.186 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

Tgt Ion: 56 Resp: 64271
 Ion Ratio Lower Upper
 56 100
 69 31.1 23.0 34.4
 84 87.9 69.0 103.4

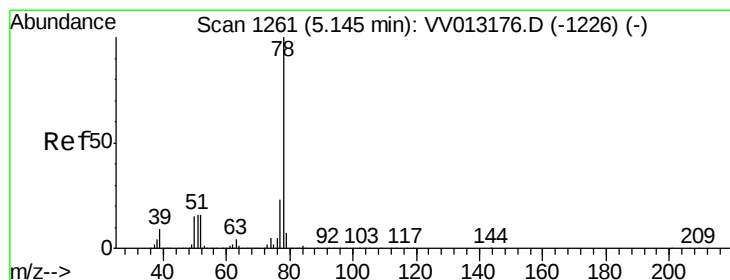
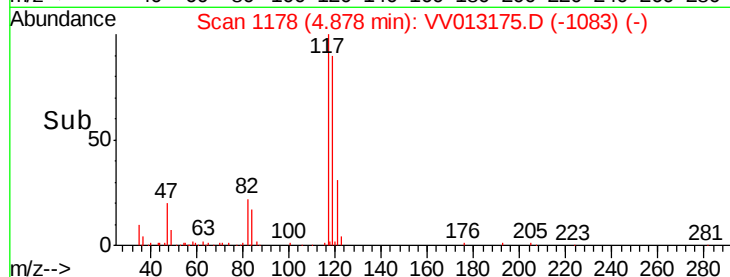
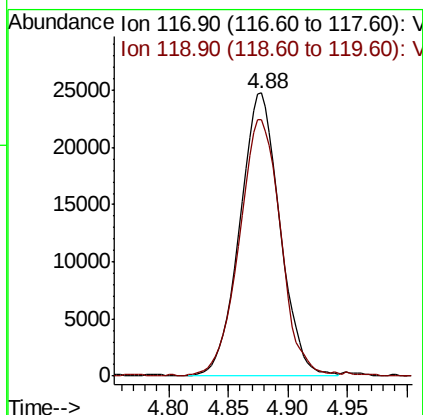
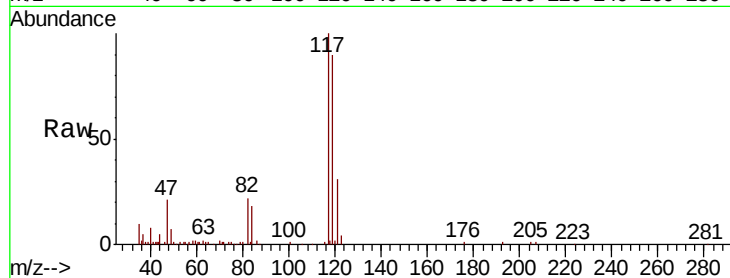




#31
Carbon tetrachloride
Concen: 1.125 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

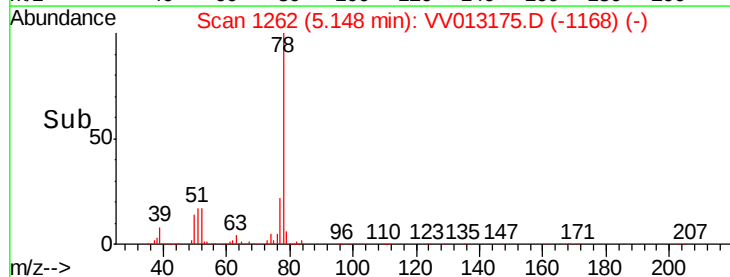
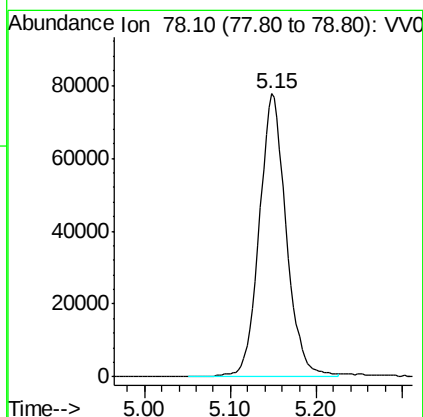
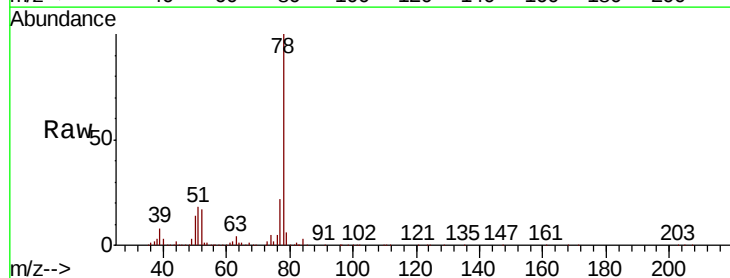
Instrument :
MSVOA_V
ClientSampleId :

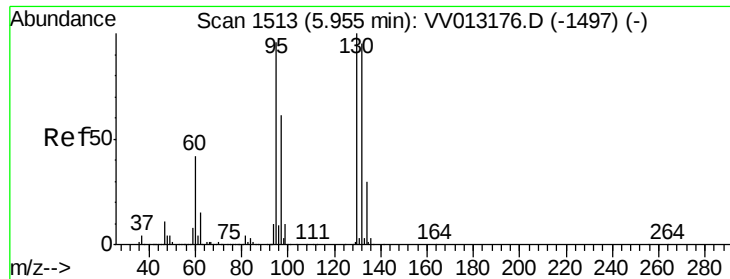
Tot Ion:117 Resp: 57811
Ion Ratio Lower Upper
117 100
119 93.4 77.9 116.9



#33
Benzene
Concen: 1.121 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion: 78 Resp: 170097





#34

Trichloroethene

Concen: 1.157 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 45128

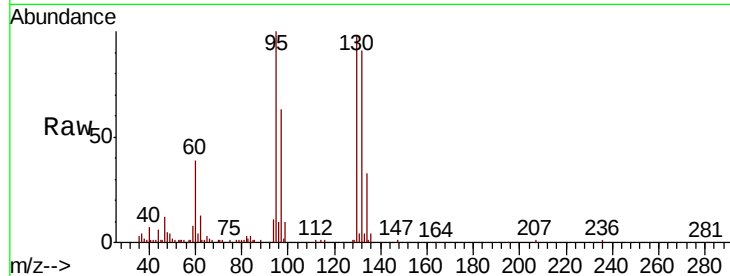
Ion Ratio Lower Upper

95 100

97 63.4 44.7 82.9

132 90.5 68.9 127.9

130 98.5 72.7 134.9

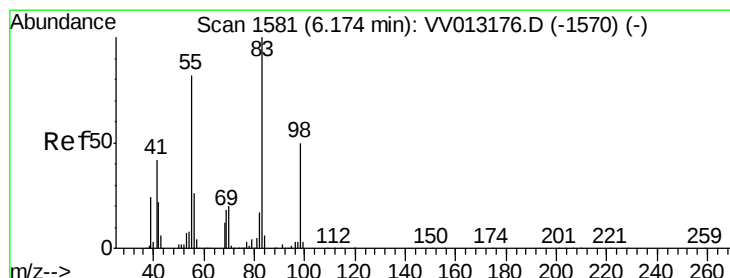
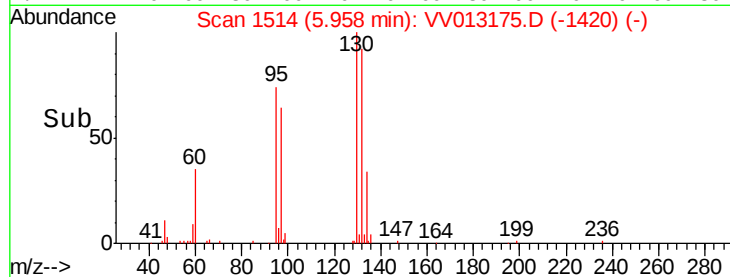
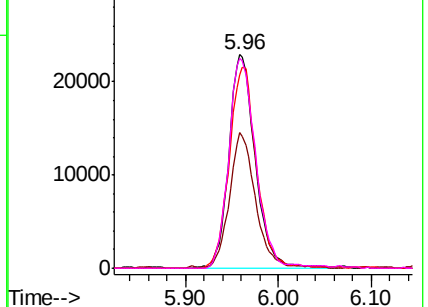


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.154 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

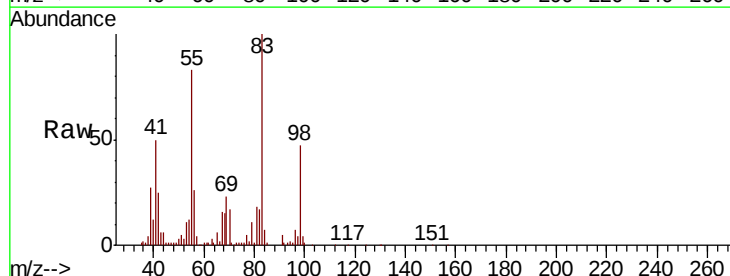
Tgt Ion: 83 Resp: 64141

Ion Ratio Lower Upper

83 100

55 81.3 64.0 96.0

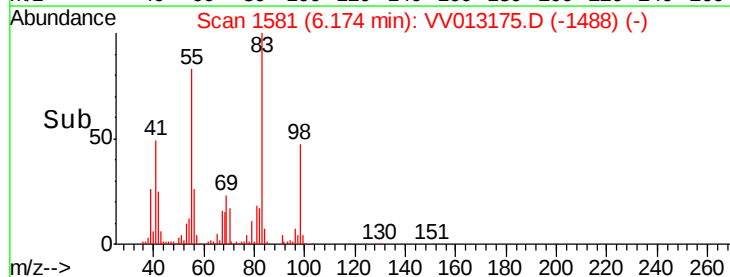
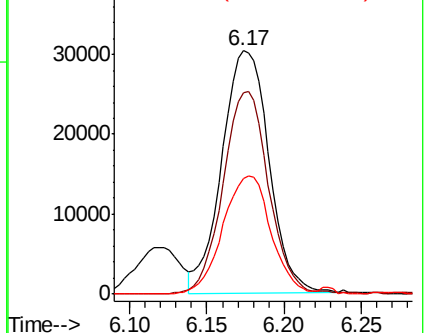
98 49.8 38.6 57.8

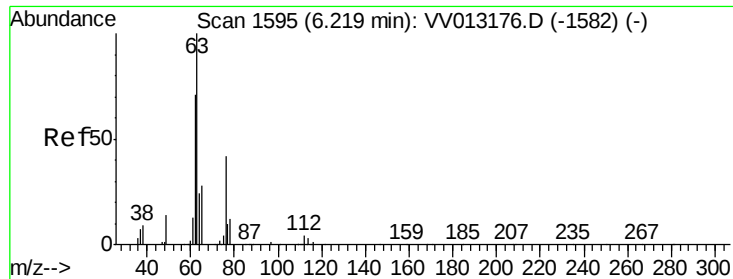


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

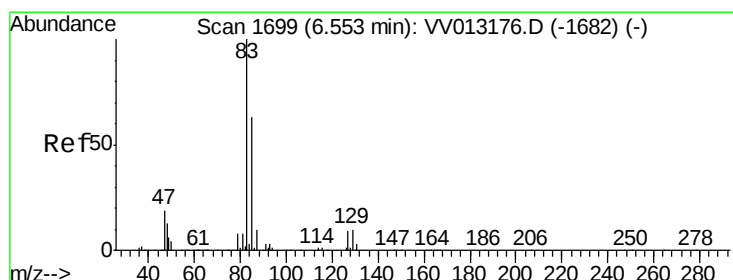
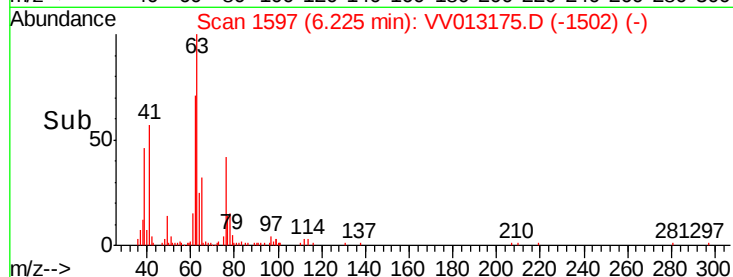
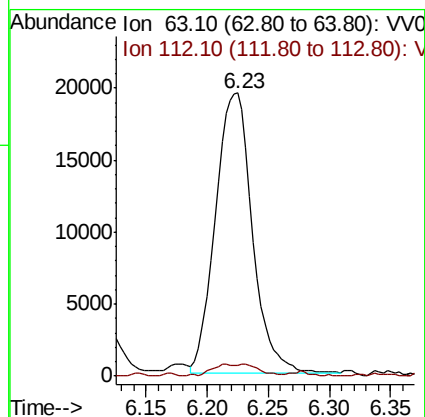
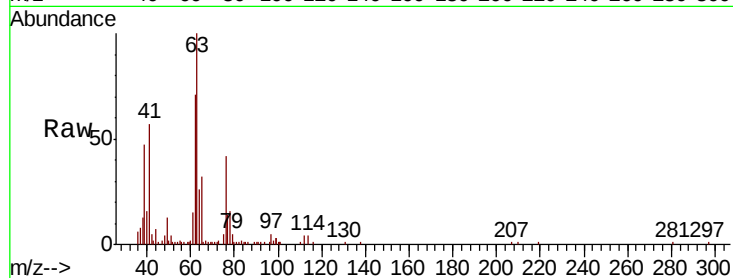




#37
 1,2-Dichloropropane
 Concen: 1.028 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

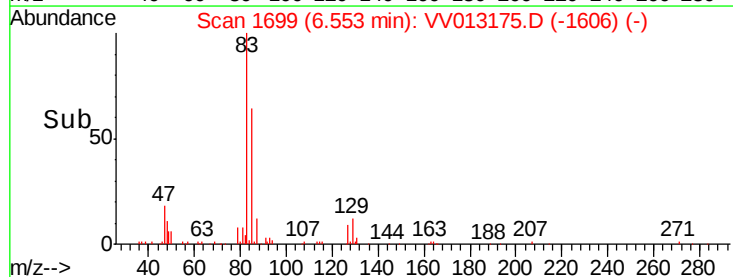
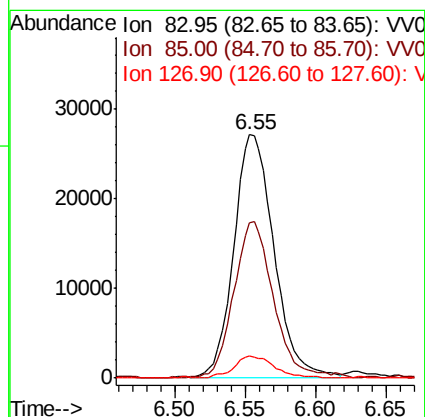
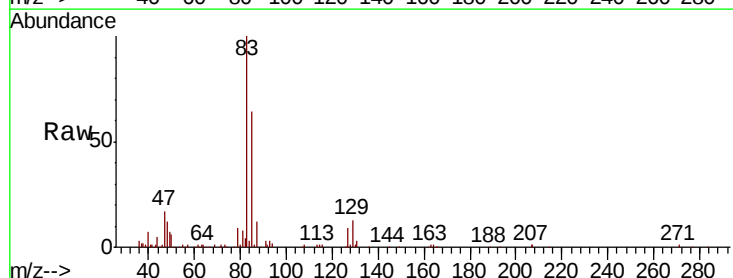
Instrument :
 MSVOA_V
 ClientSampleId :

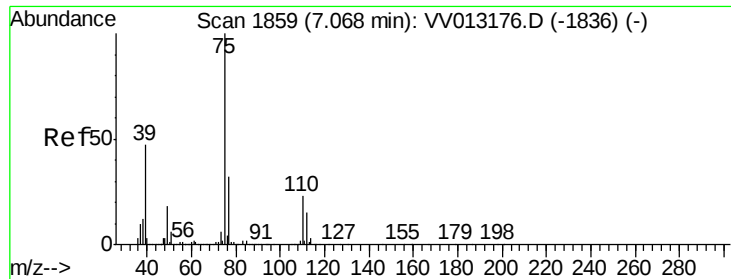
Tot Ion: 63 Resp: 41130
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.8 5.8#



#38
 Bromodichloromethane
 Concen: 1.036 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

Tgt Ion: 83 Resp: 53698
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.0 81.6
 127 9.1 7.0 10.6

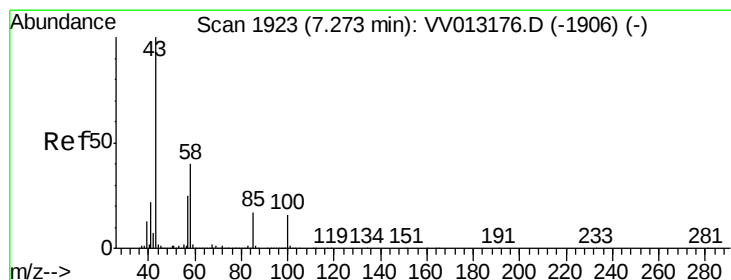
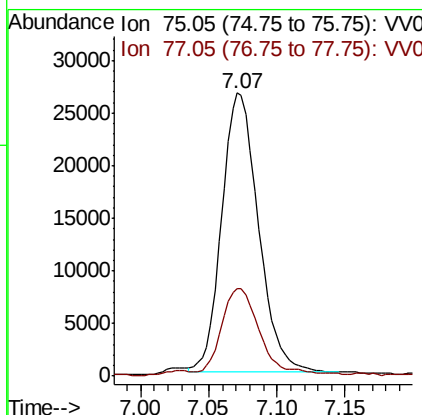
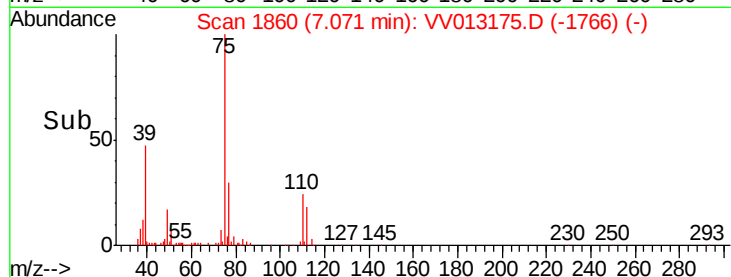
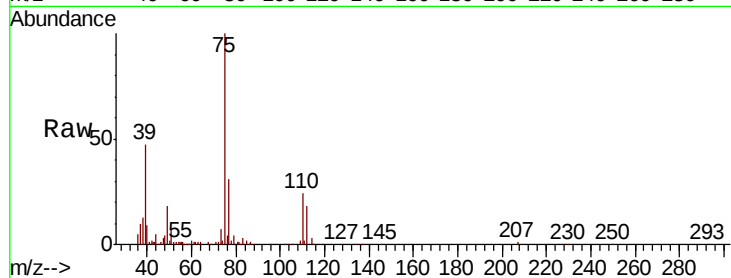




#39
 cis-1,3-Dichloropropene
 Concen: 0.924 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

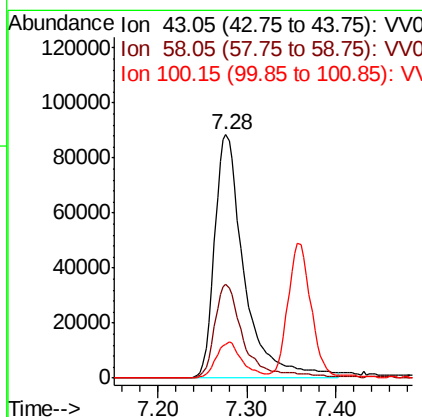
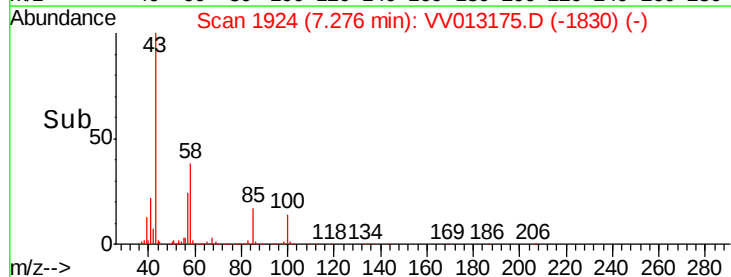
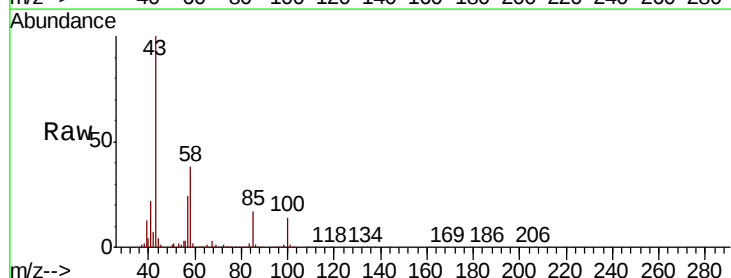
Instrument :
 MSVOA_V
 ClientSampleId :

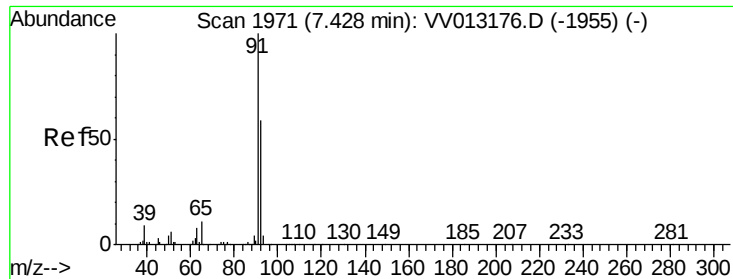
Tot Ion: 75 Resp: 49652
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 8.314 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

Tgt Ion: 43 Resp: 204195
 Ion Ratio Lower Upper
 43 100
 58 37.9 32.4 48.6
 100 13.1 11.8 17.8





#42

Toluene

Concen: 1.055 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

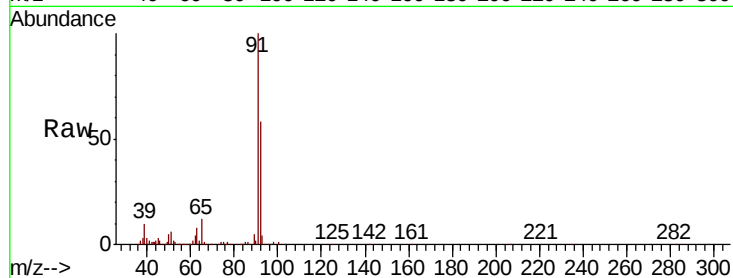
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 167353

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

100000

80000

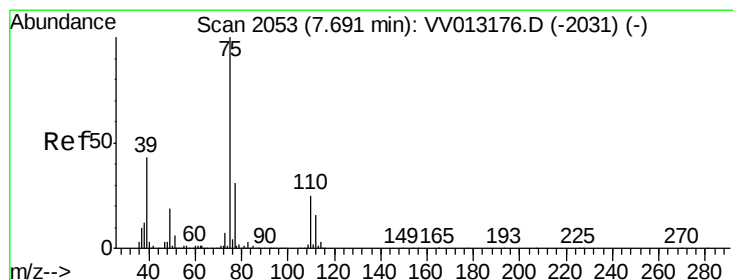
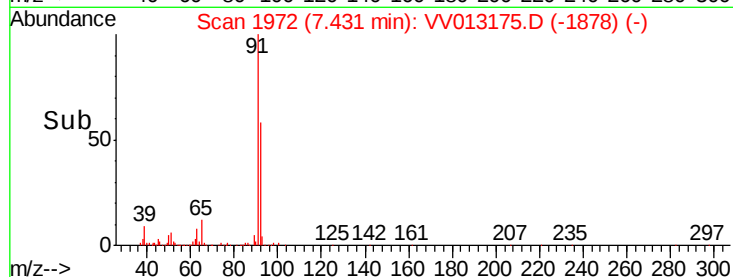
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.940 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013175.D

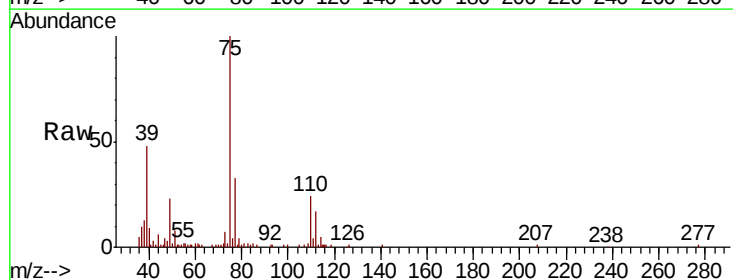
Acq: 17 Oct 2019 16:37

Tgt Ion: 75 Resp: 39735

Ion Ratio Lower Upper

75 100

77 33.4 21.8 40.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

25000

20000

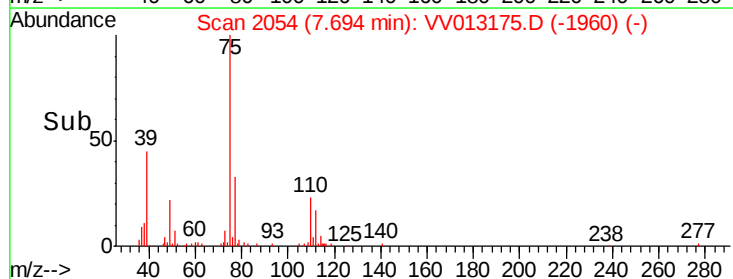
15000

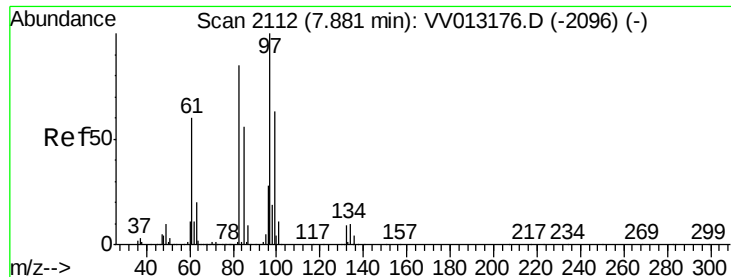
10000

5000

0

Time-->

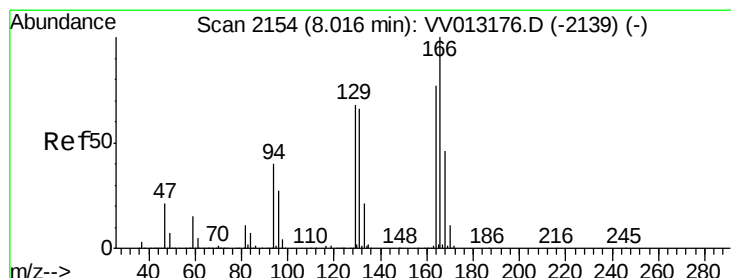
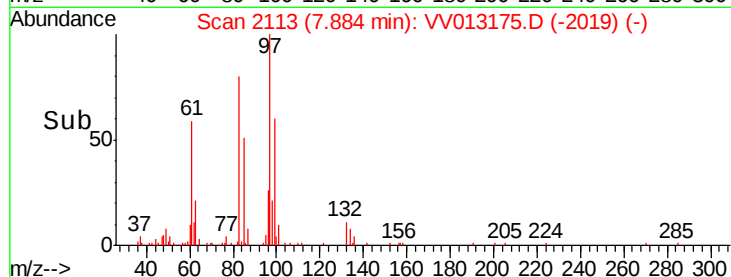
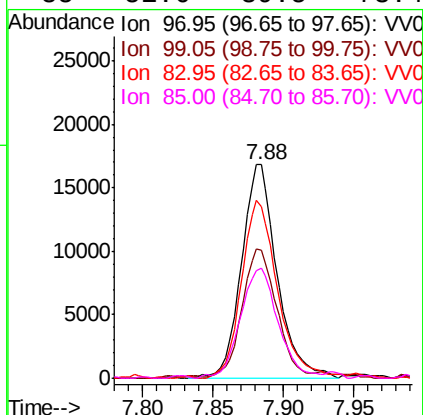
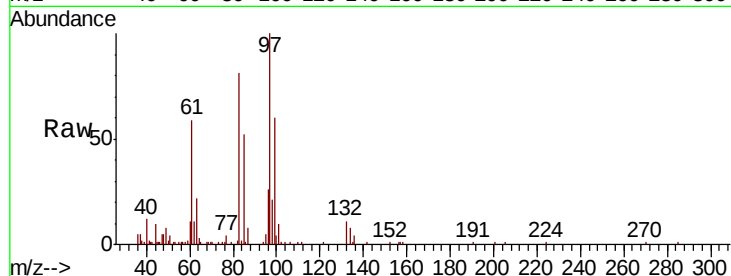




#45
 1,1,2-Trichloroethane
 Concen: 1.016 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

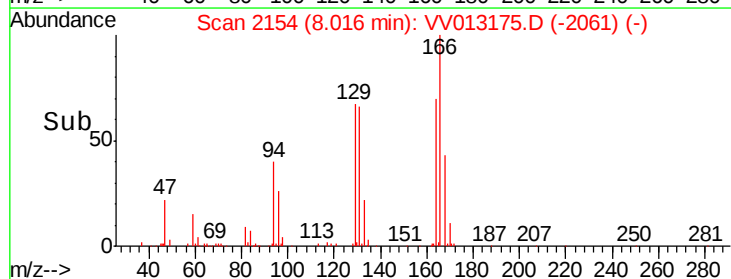
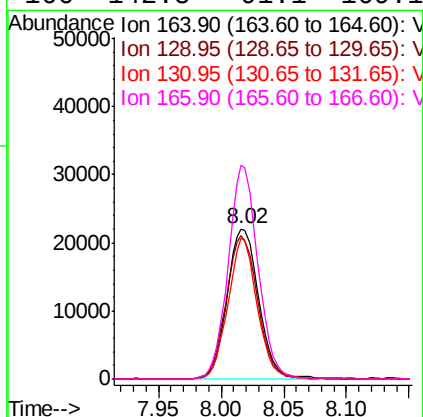
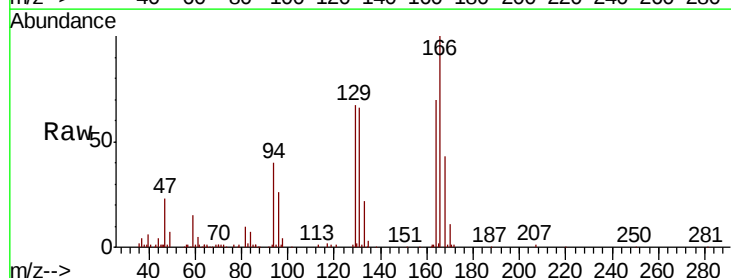
Instrument :
 MSVOA_V
 ClientSampled :

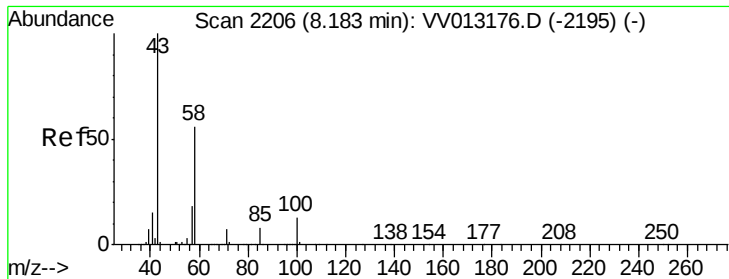
Tot Ion:	97	Resp:	29705
Ion	Ratio	Lower	Upper
97	100		
99	60.1	43.8	81.4
83	80.6	59.5	110.5
85	51.6	39.5	73.4



#47
 Tetrachloroethene
 Concen: 1.190 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

Tgt Ion:	164	Resp:	38482
Ion	Ratio	Lower	Upper
164	100		
129	95.6	62.2	115.4
131	94.1	59.9	111.3
166	142.5	91.1	169.1

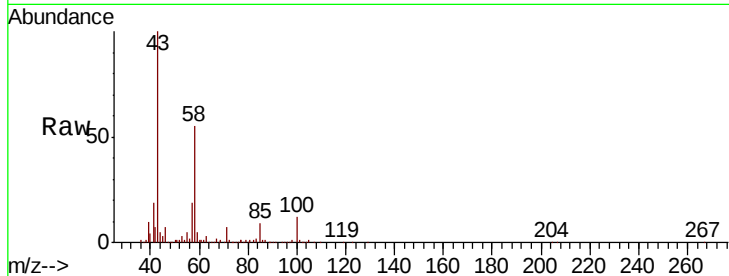




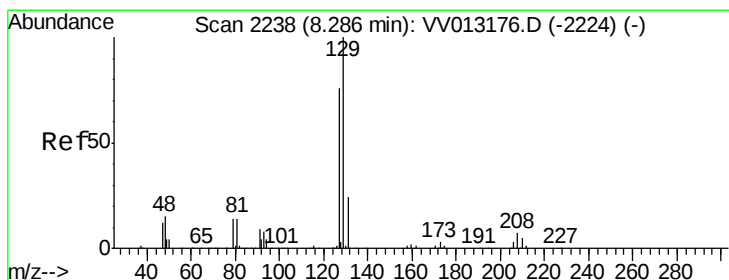
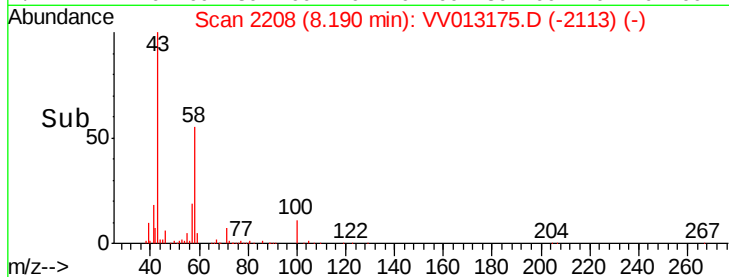
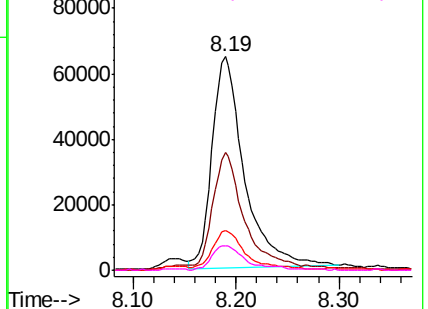
#48
2-Hexanone
Concen: 7.912 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	140659
Ion	Ratio	Lower	Upper
43	100		
58	50.7	44.2	66.2
57	18.3	14.5	21.7
100	10.7	9.5	14.3

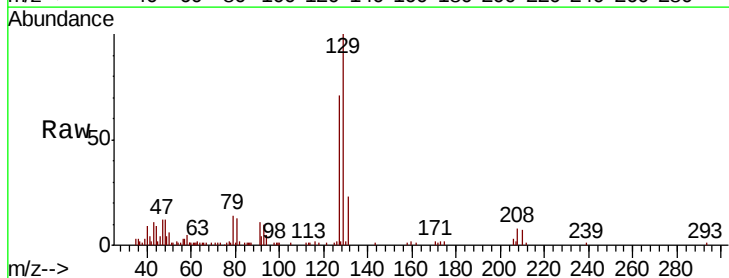


Abundance Ion 43.05 (42.75 to 43.75): VV013175.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV013175.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV013175.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV013175.D (-2195) (-)

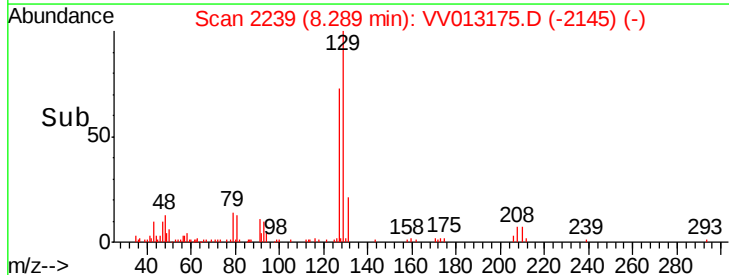
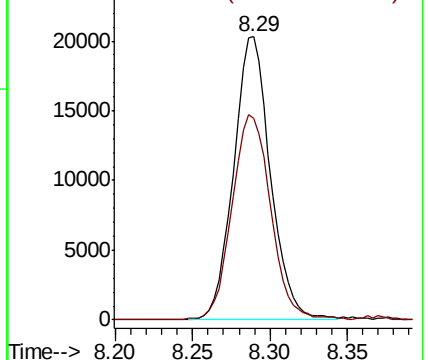


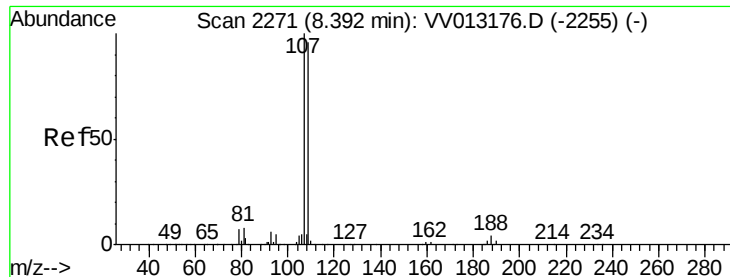
#49
Dibromochloromethane
Concen: 0.988 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion:	129	Resp:	33602
Ion	Ratio	Lower	Upper
129	100		
127	71.3	53.2	98.8



Abundance Ion 128.95 (128.65 to 129.65): VV013175.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013175.D (-2145) (-)

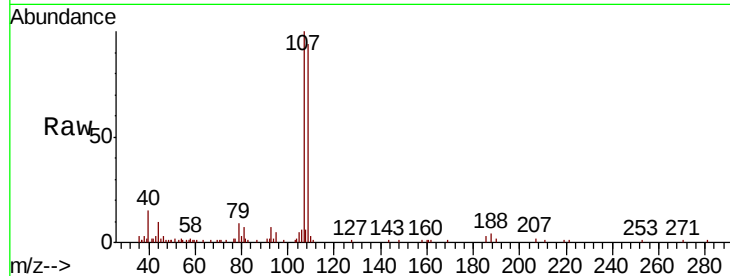




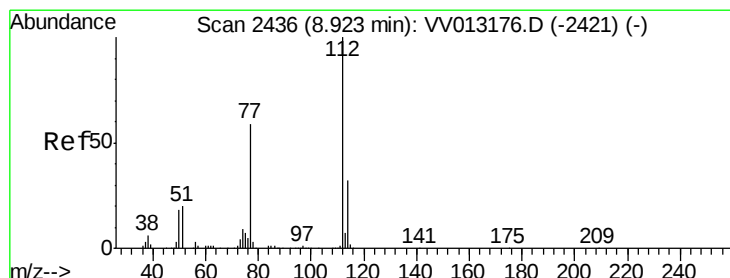
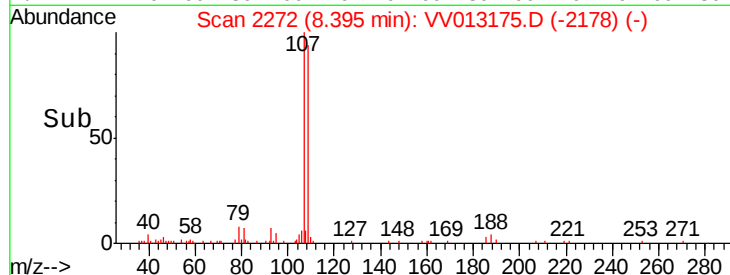
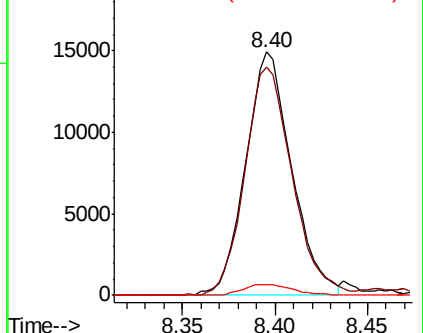
#50
1,2-Dibromoethane
Concen: 1.029 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	67.3	124.9
188	4.4	3.3	4.9

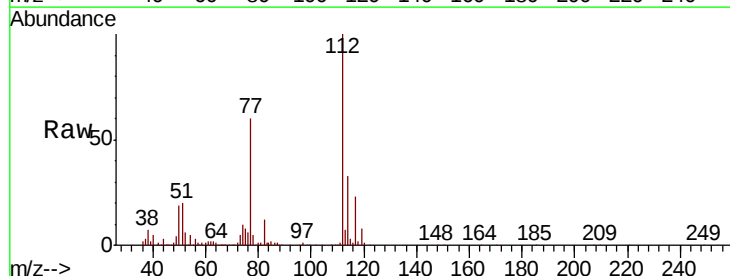


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

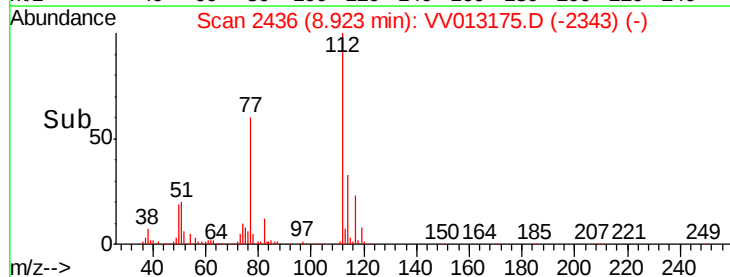
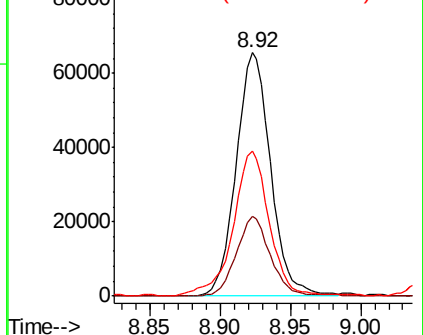


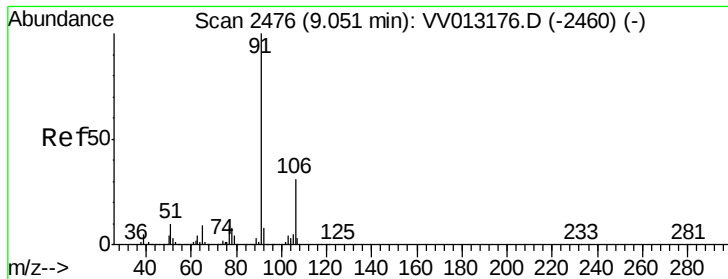
#51
Chlorobenzene
Concen: 1.060 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013175.D
Acq: 17 Oct 2019 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.6	42.0
77	59.5	47.5	71.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 1.006 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

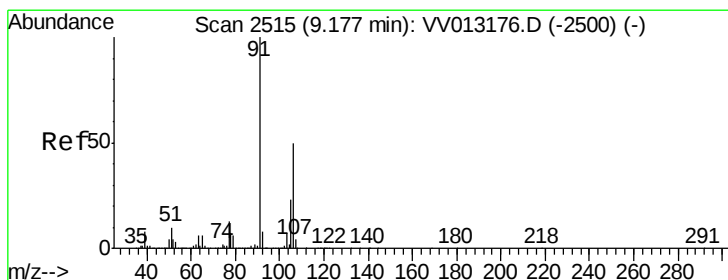
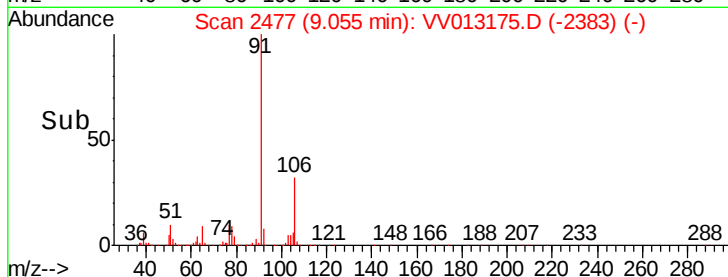
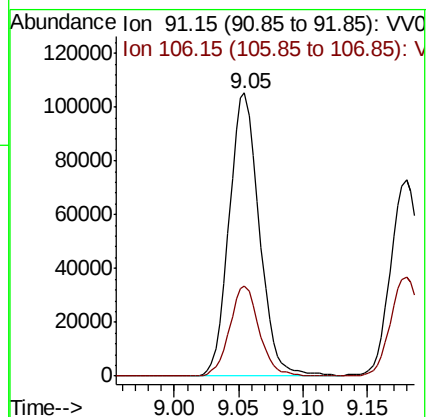
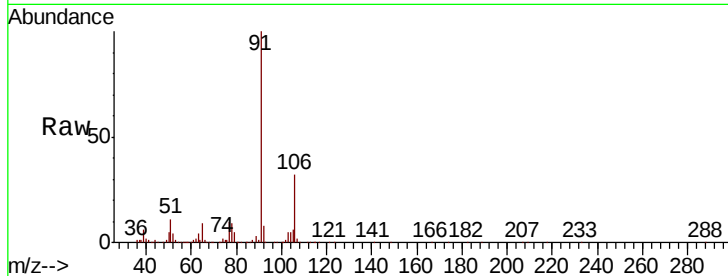
ClientSampleId :

Tot Ion: 91 Resp: 171202

Ion Ratio Lower Upper

91 100

106 31.8 22.0 40.8



#53

m,p-xylene

Concen: 0.970 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013175.D

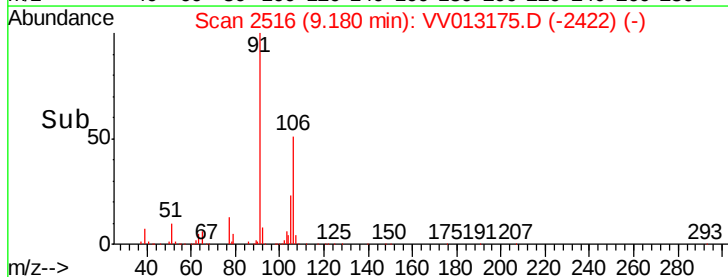
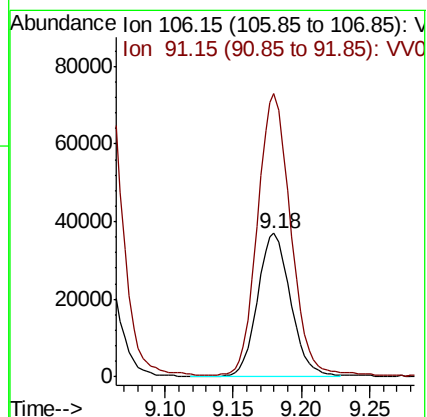
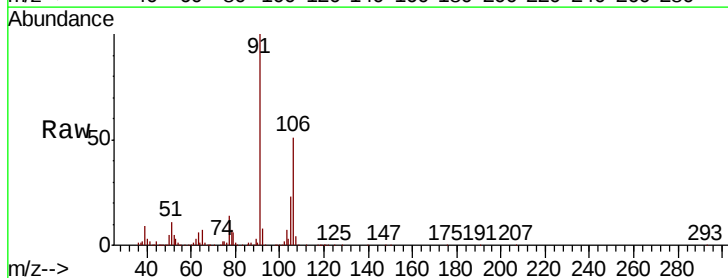
Acq: 17 Oct 2019 16:37

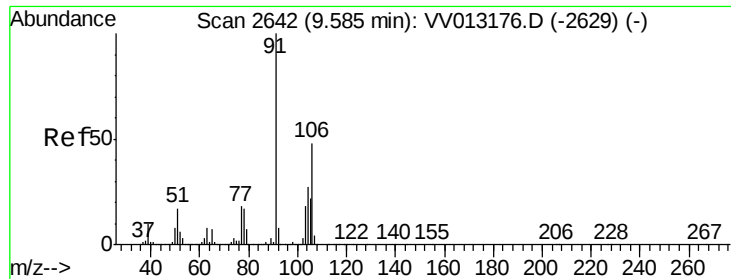
Tgt Ion: 106 Resp: 61675

Ion Ratio Lower Upper

106 100

91 196.9 141.3 262.5





#54

o-xylene

Concen: 0.955 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

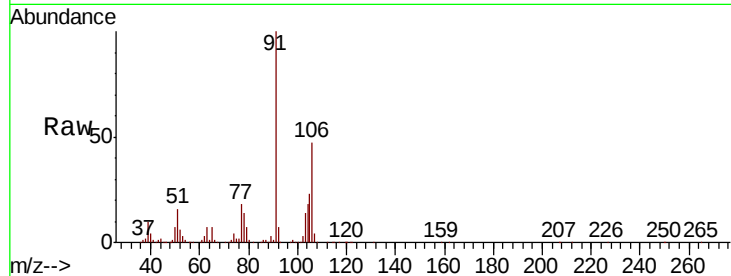
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 59215

Ion Ratio Lower Upper

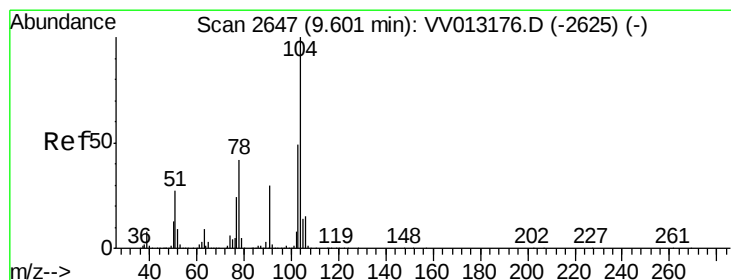
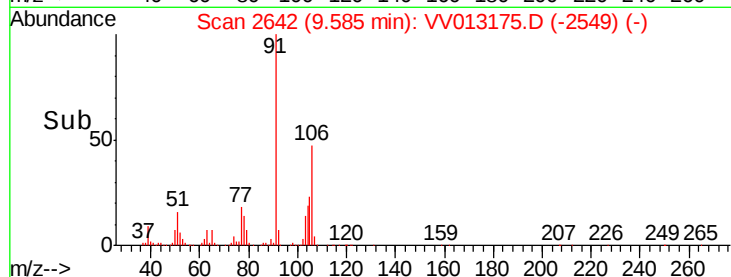
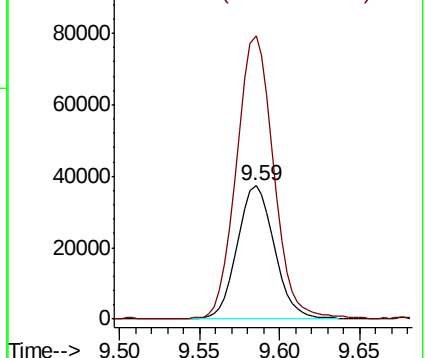
106 100

91 212.5 145.3 269.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.883 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013175.D

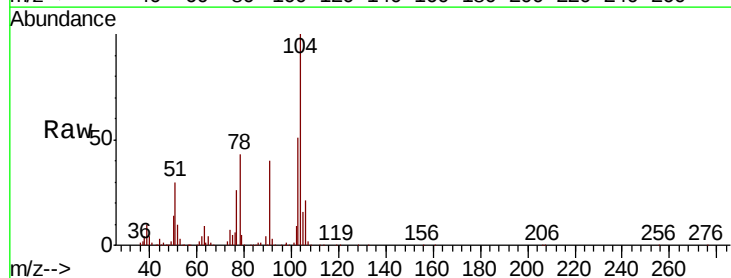
Acq: 17 Oct 2019 16:37

Tgt Ion:104 Resp: 92971

Ion Ratio Lower Upper

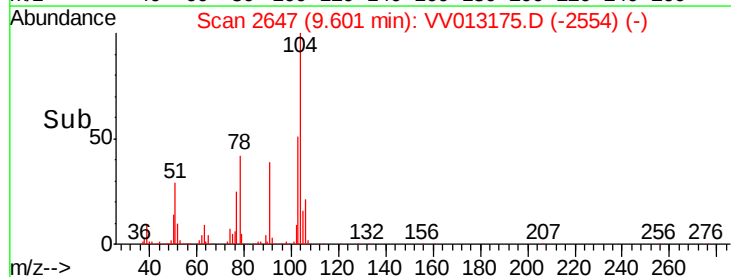
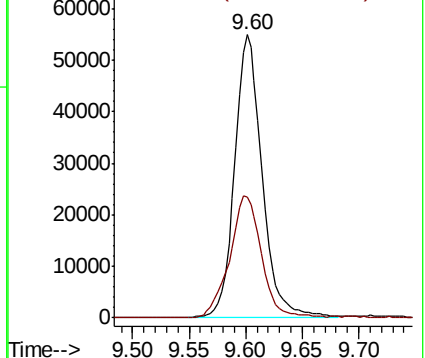
104 100

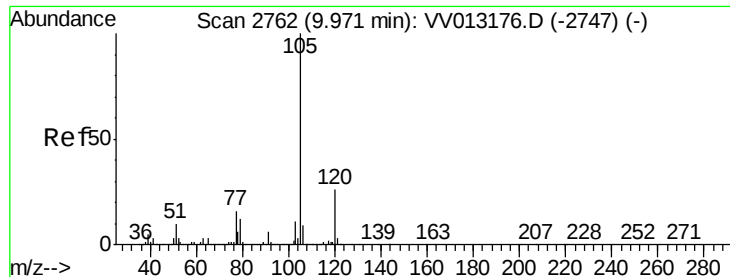
78 42.8 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.929 ug/L

RT: 9.97 min Scan# 2762

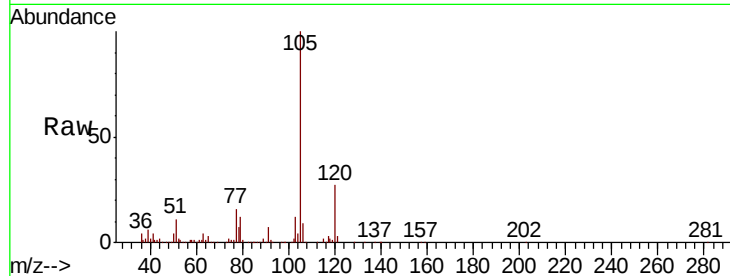
Delta R.T. -0.00 min

Lab File: VV013175.D

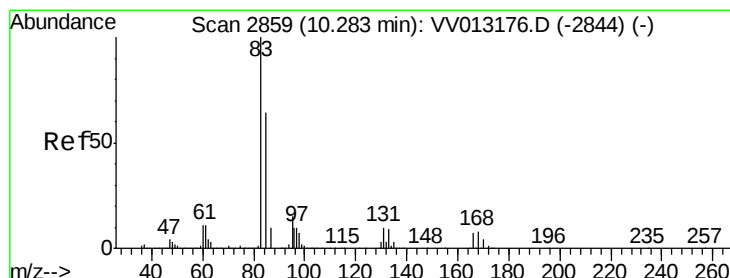
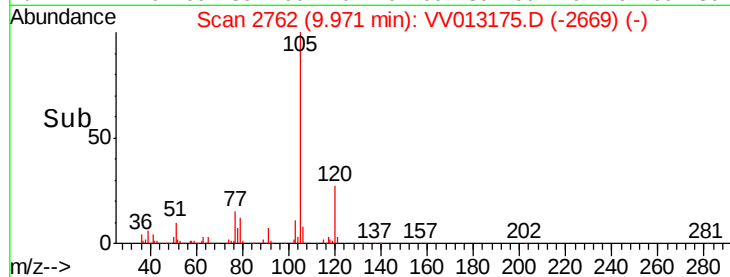
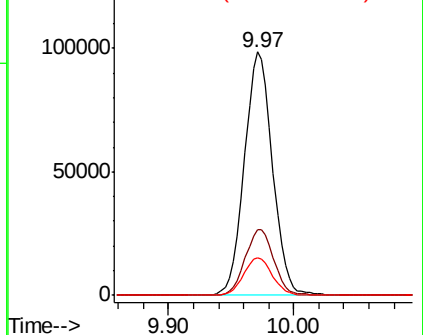
Acq: 17 Oct 2019 16:37

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	105	Resp:	153907
Ion	Ratio	Lower	Upper
105	100		
120	27.6	21.0	31.6
77	15.5	12.4	18.6



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.968 ug/L

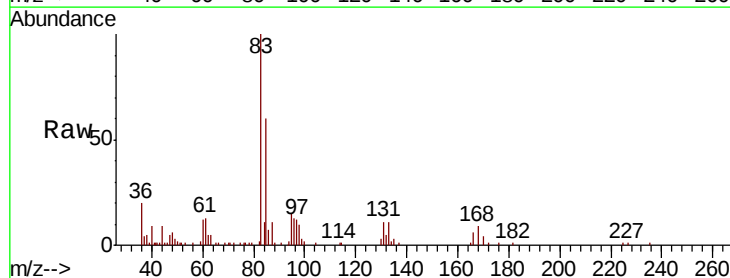
RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

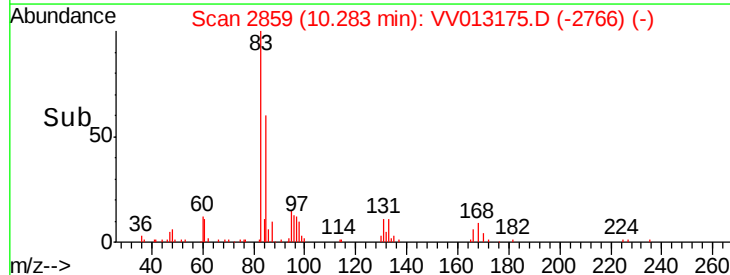
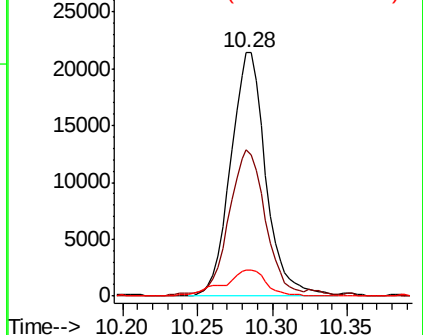
Lab File: VV013175.D

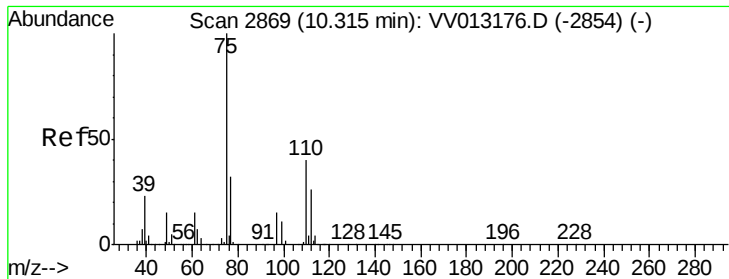
Acq: 17 Oct 2019 16:37

Tgt Ion:	83	Resp:	35056
Ion	Ratio	Lower	Upper
83	100		
85	60.1	44.6	82.8
131	10.8	8.3	12.5



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.992 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

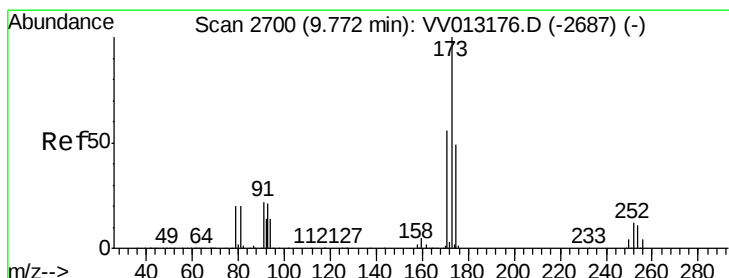
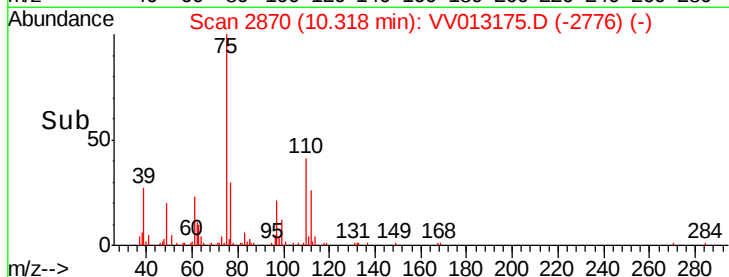
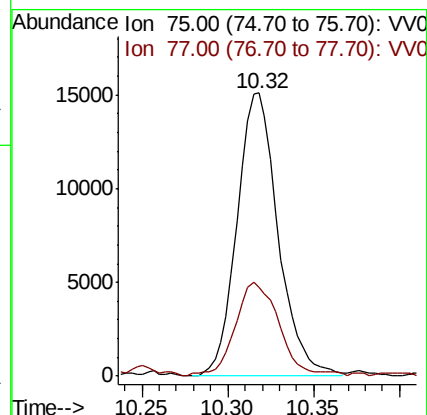
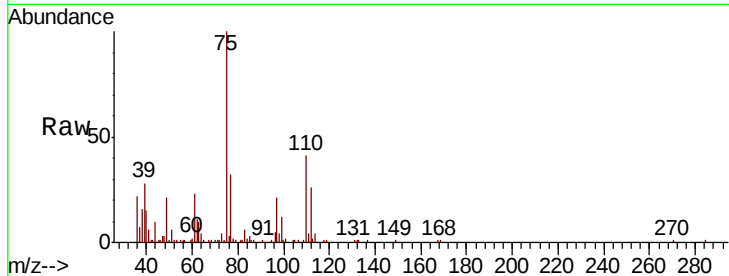
ClientSampleId :

Tot Ion: 75 Resp: 25069

Ion Ratio Lower Upper

75 100

77 34.9 26.0 39.0



#61

Bromoform

Concen: 0.923 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

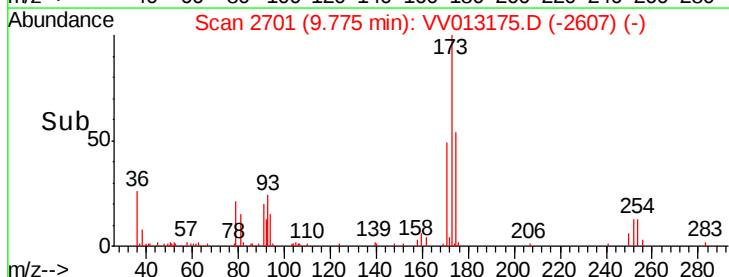
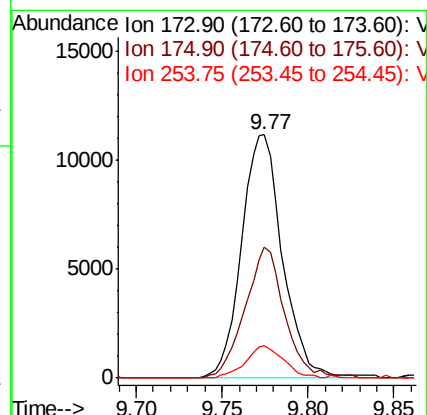
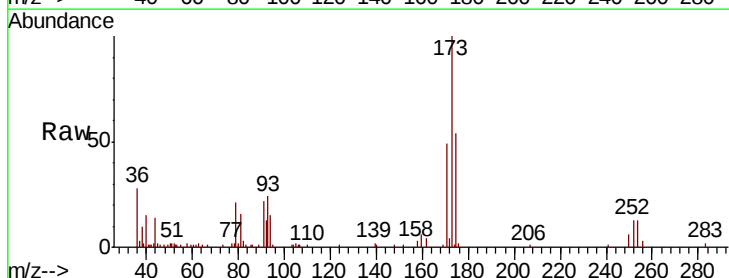
Tgt Ion: 173 Resp: 18437

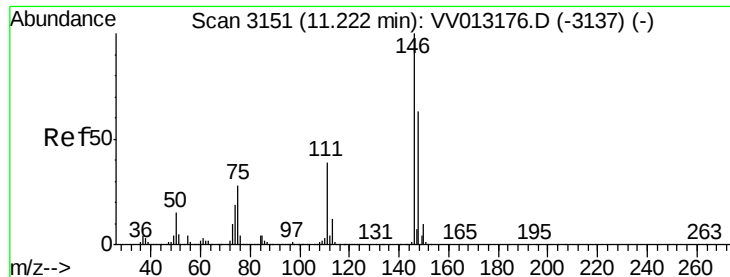
Ion Ratio Lower Upper

173 100

175 52.2 39.1 58.7

254 12.4 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 0.911 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

ClientSampleId :

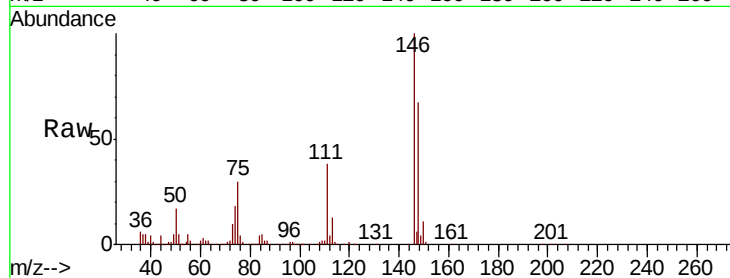
Tot Ion:146 Resp: 80726

Ion Ratio Lower Upper

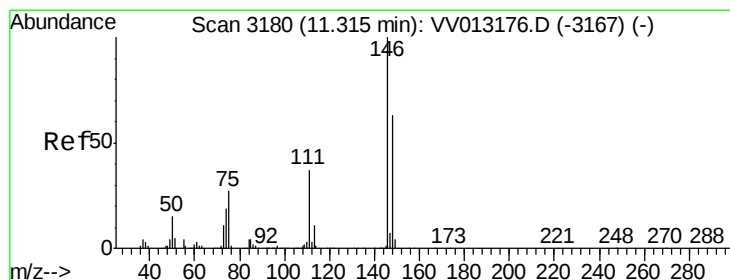
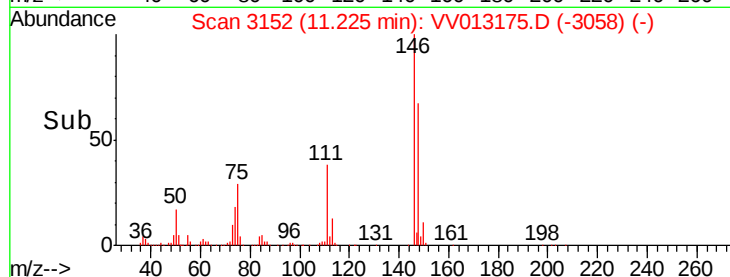
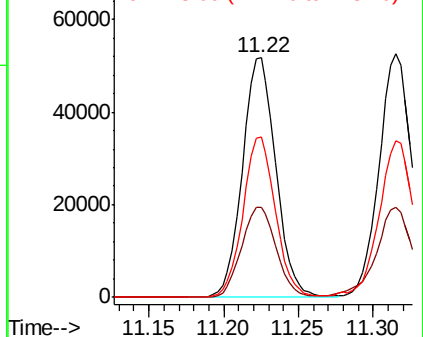
146 100

111 37.7 27.1 50.3

148 66.9 44.4 82.5



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: 0.900 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

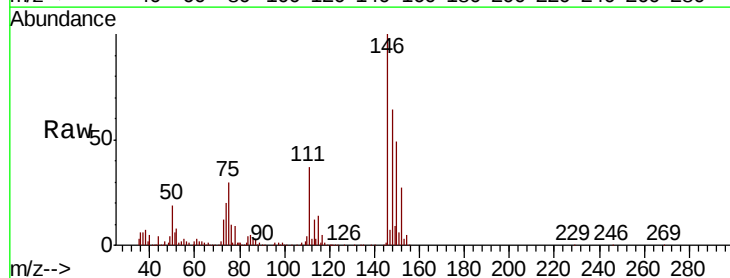
Tgt Ion:146 Resp: 80886

Ion Ratio Lower Upper

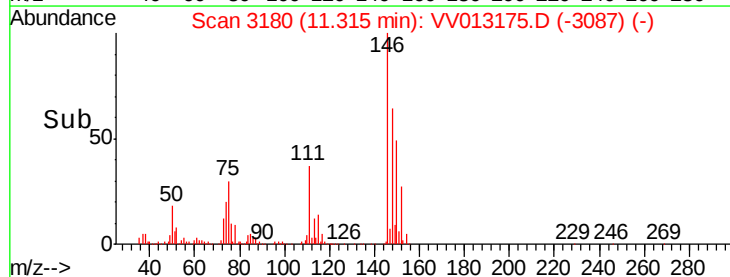
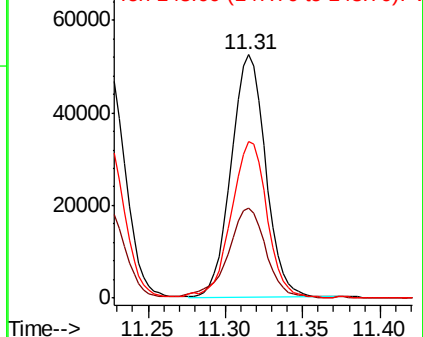
146 100

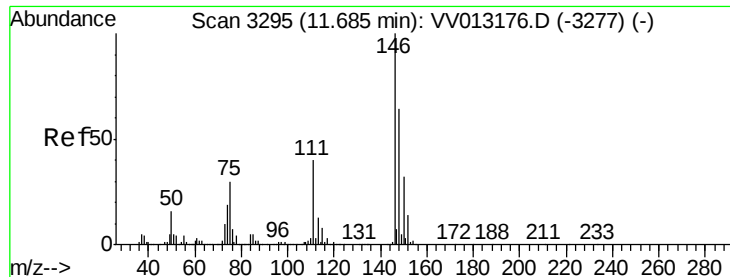
111 37.0 25.7 47.7

148 64.3 44.4 82.5



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: 0.909 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

ClientSampleId :

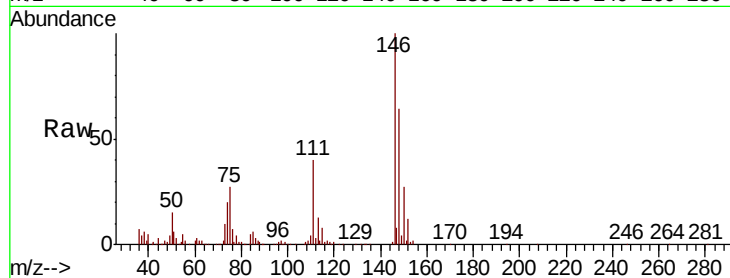
Tot Ion:146 Resp: 78044

Ion Ratio Lower Upper

146 100

111 40.3 31.9 47.9

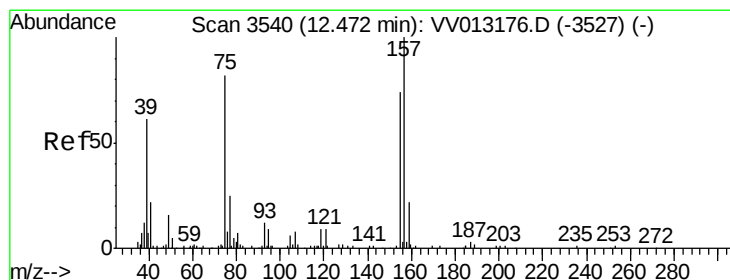
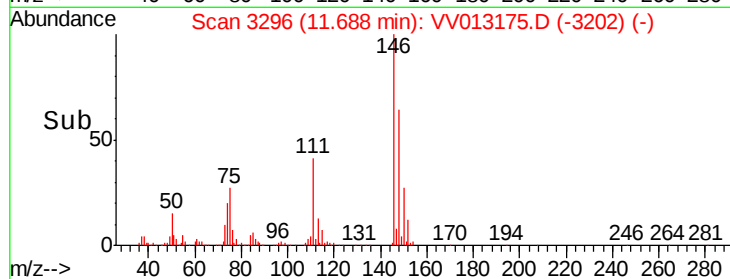
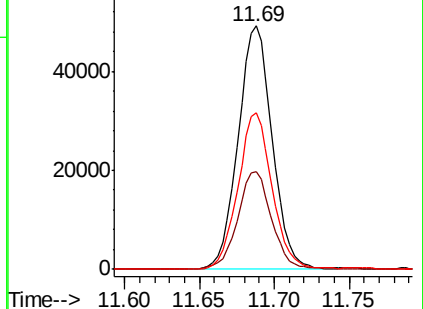
148 64.5 51.4 77.2



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: 0.907 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

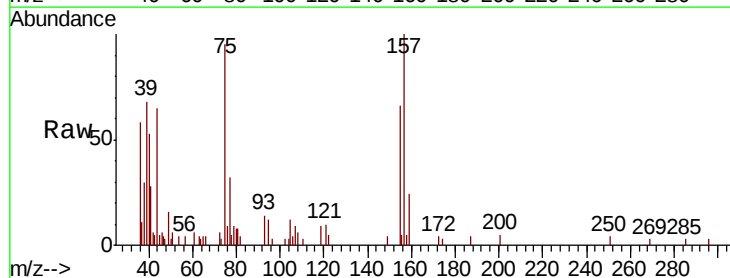
Tgt Ion: 75 Resp: 5237

Ion Ratio Lower Upper

75 100

155 70.0 71.9 107.9#

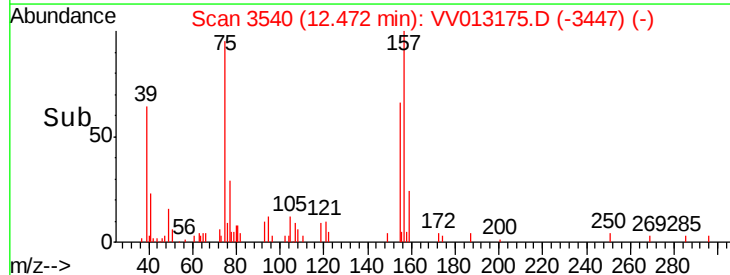
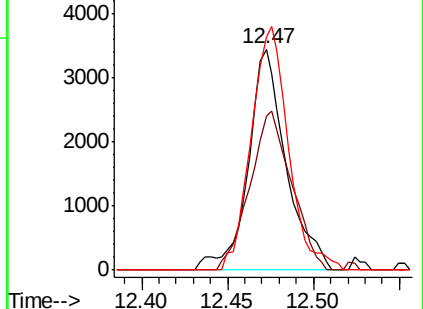
157 105.8 97.3 145.9

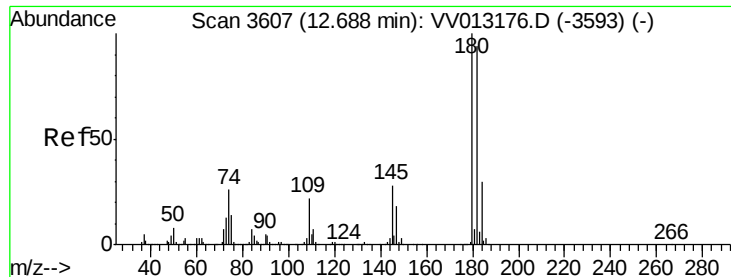


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

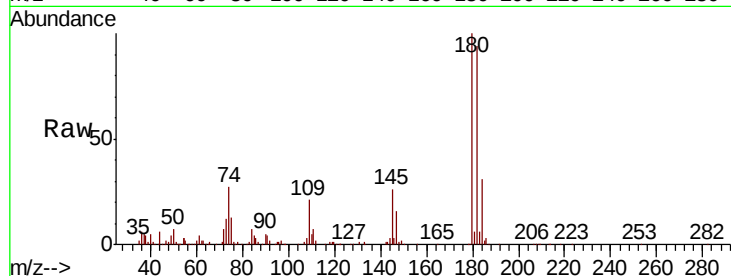




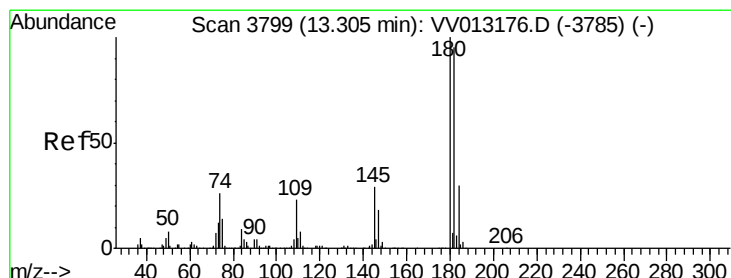
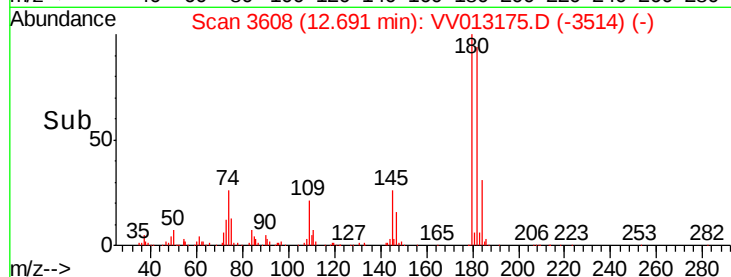
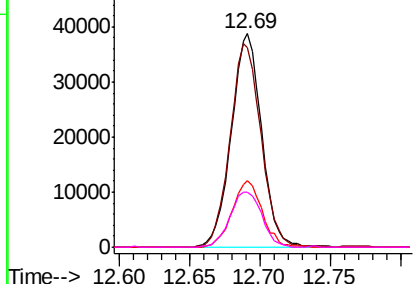
#67
 1,3,5-Trichlorobenzene
 Concen: 0.863 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	58294
Ion	Ratio	Lower Upper
180	100	
182	97.6	75.8 113.6
184	31.0	24.2 36.4
145	27.2	22.1 33.1

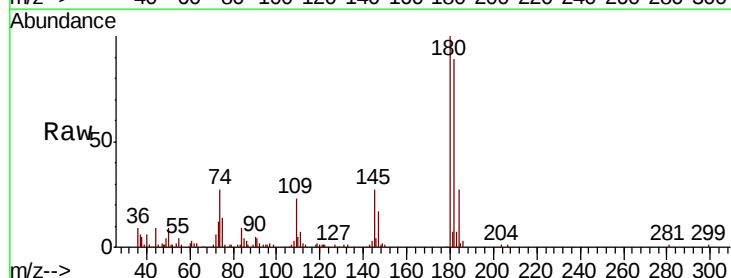


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

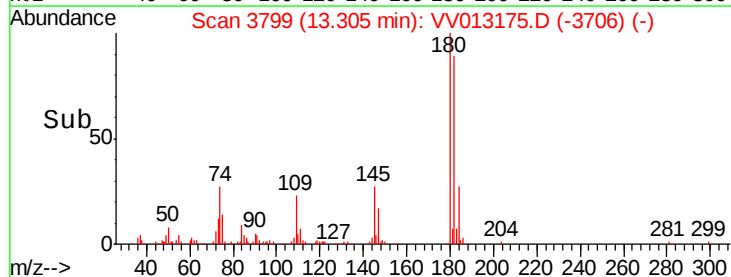
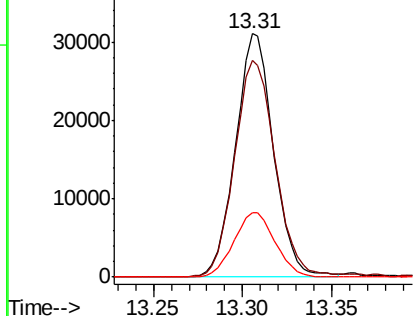


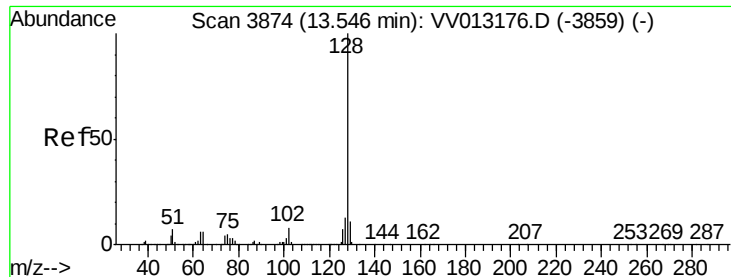
#68
 1,2,4-trichlorobenzene
 Concen: 0.842 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013175.D
 Acq: 17 Oct 2019 16:37

Tgt Ion:180	Resp:	46308
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.9 113.9
145	28.6	22.4 33.6



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: 0.713 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

Instrument :

MSVOA_V

ClientSampleId :

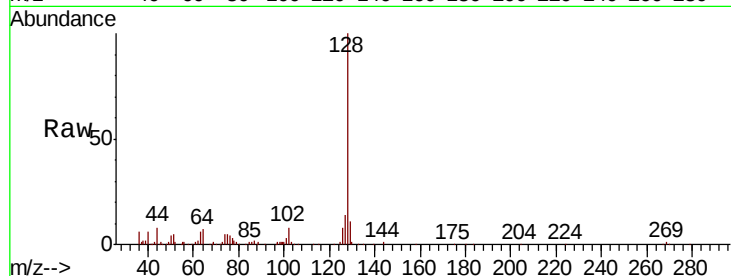
Tot Ion:128 Resp: 58747

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

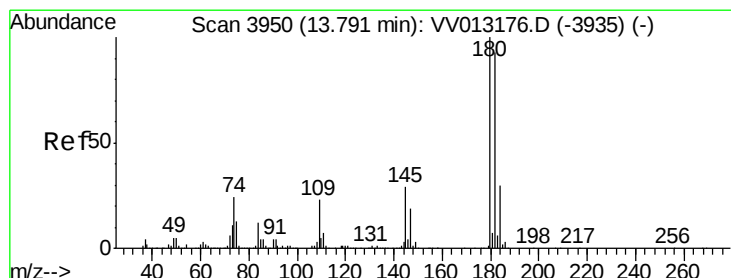
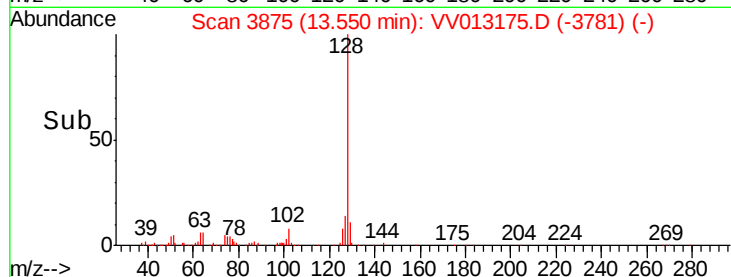
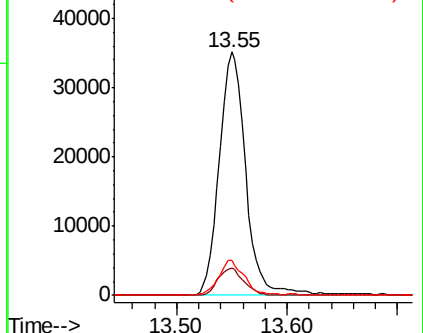
127 13.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.809 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV013175.D

Acq: 17 Oct 2019 16:37

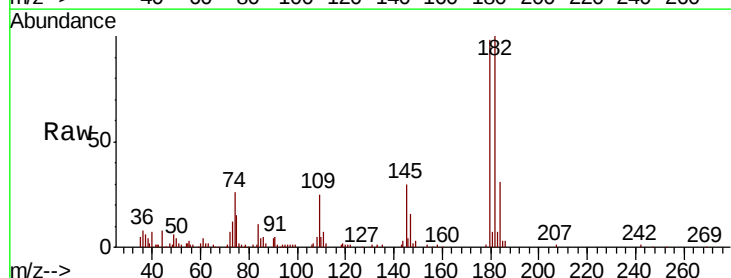
Tgt Ion:180 Resp: 43536

Ion Ratio Lower Upper

180 100

182 95.8 76.5 114.7

145 30.4 23.8 35.6



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

