

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013177.D
 Acq On : 17 Oct 2019 17:33
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 01:54:42 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	494036	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	523288	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	308759	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	533721	10.62	ug/L	0.00
7) Chloroethane-d5	1.58	69	400338	10.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	772035	10.41	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1128370	110.99	ug/L	0.00
24) Chloroform-d	4.40	84	934822	11.24	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	439547	10.99	ug/L	0.00
32) Benzene-d6	5.10	84	1864618	10.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	567295	10.50	ug/L	0.00
41) Toluene-d8	7.36	98	1753379	11.04	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	207164	10.63	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	940644	116.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	423106	10.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	619243	9.32	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	626396	15.849 ug/L	99
3) Chloromethane	1.25	50	654196	15.461 ug/L	99
5) Vinyl chloride	1.32	62	631059	13.604 ug/L	100
6) Bromomethane	1.54	94	366023	15.537 ug/L	99
8) Chloroethane	1.60	64	338177	13.869 ug/L	98
9) Trichlorofluoromethane	1.77	101	776905	13.651 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	435105	13.163 ug/L	98
12) 1,1-Dichloroethene	2.14	96	410480	13.458 ug/L	94
13) Acetone	2.23	43	669274	116.253 ug/L	87
14) Carbon disulfide	2.32	76	1459806	19.202 ug/L	99
15) Methyl Acetate	2.47	43	172335	11.936 ug/L	95
16) Methylene chloride	2.54	84	509845	13.249 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	1019300	12.476 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	513476	14.558 ug/L	98
19) 1,1-Dichloroethane	3.23	63	935326	13.437 ug/L	99
21) 2-Butanone	4.04	43	1204485	130.662 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	543106	14.203 ug/L	# 96
23) Bromochloromethane	4.30	128	227453	13.512 ug/L	99
25) Chloroform	4.42	83	937117	12.212 ug/L	97
27) 1,2-Dichloroethane	5.18	62	546856	13.282 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	782530	12.715 ug/L	100
30) Cyclohexane	4.72	56	895952	16.034 ug/L	99
31) Carbon tetrachloride	4.87	117	708100	13.360 ug/L	99
33) Benzene	5.14	78	2104038	13.444 ug/L	100
34) Trichloroethene	5.96	95	534197	13.286 ug/L	98
35) Methylcyclohexane	6.18	83	921555	16.074 ug/L	99
37) 1,2-Dichloropropane	6.22	63	524876	12.729 ug/L	99
38) Bromodichloromethane	6.55	83	639687	11.973 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	752970	13.591 ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	3024546	119.440 ug/L	98

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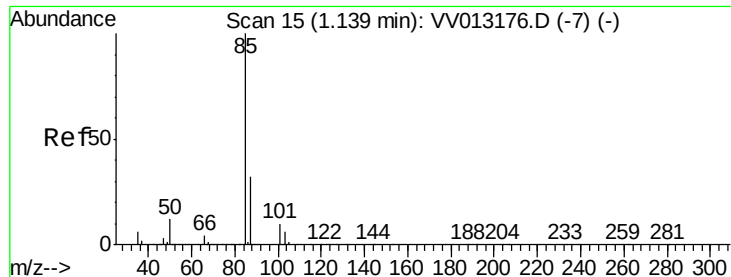
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 01:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	2296050	14.036	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	559773	12.841	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	349745	11.597	ug/L	99
47) Tetrachloroethene	8.02	164	466039	13.975	ug/L	99
48) 2-Hexanone	8.18	43	2198278	119.930	ug/L	98
49) Dibromochloromethane	8.29	129	428578	12.223	ug/L	99
50) 1,2-Dibromoethane	8.39	107	326288	12.674	ug/L	100
51) Chlorobenzene	8.92	112	1411327	12.901	ug/L	99
52) Ethylbenzene	9.05	91	2485148	14.166	ug/L	99
53) m,p-xylene	9.18	106	967384	14.755	ug/L	97
54) o-xylene	9.59	106	927466	14.512	ug/L	97
55) Styrene	9.60	104	1574004	14.505	ug/L	99
56) Isopropylbenzene	9.97	105	2472181	14.480	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	420808	11.275	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	302018	11.586	ug/L	100
61) Bromoform	9.77	173	243528	10.795	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1145420	11.448	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1132769	11.164	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	1044371	10.776	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	60909	9.345	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	811183	10.639	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	696892	11.227	ug/L	99
69) Naphthalene	13.55	128	1117262	12.009	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	678090	11.168	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 15.849 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

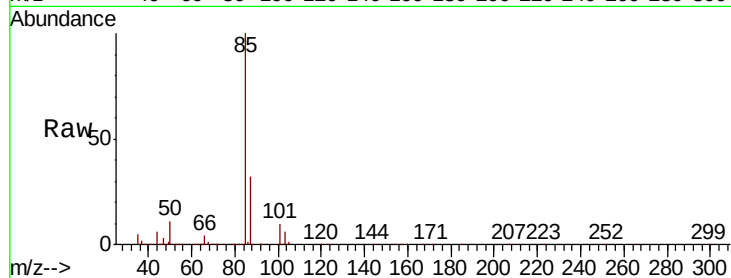
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 626396

Ion Ratio Lower Upper

85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013177.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013177.D (-1) (-)

1.14

600000

500000

400000

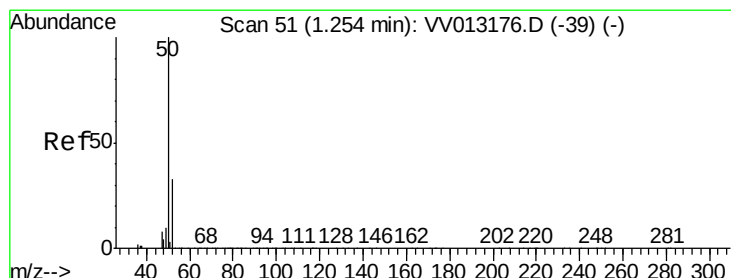
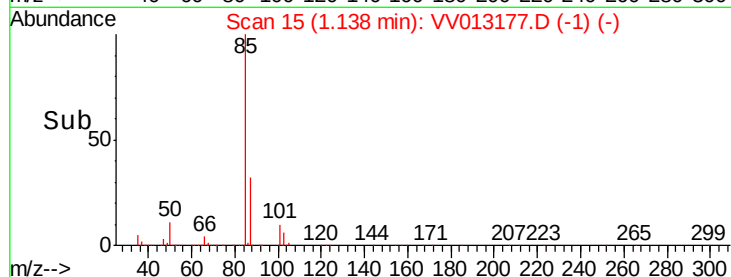
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 15.461 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013177.D

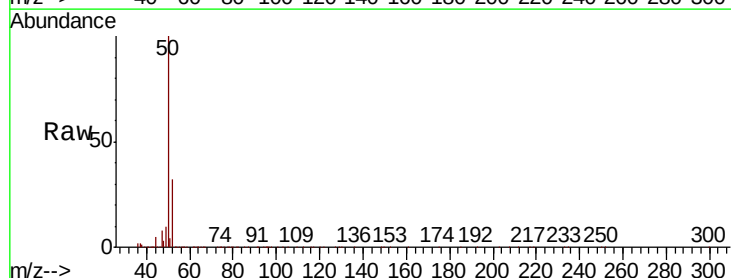
Acq: 17 Oct 2019 17:33

Tgt Ion: 50 Resp: 654196

Ion Ratio Lower Upper

50 100

52 32.1 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV013177.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013177.D (-1) (-)

1.25

500000

400000

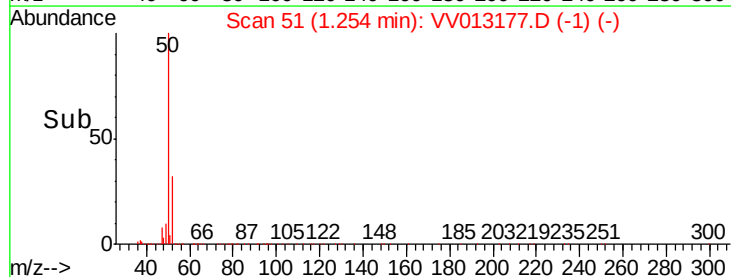
300000

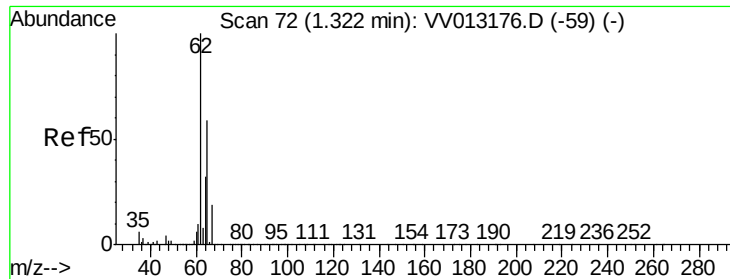
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 13.604 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

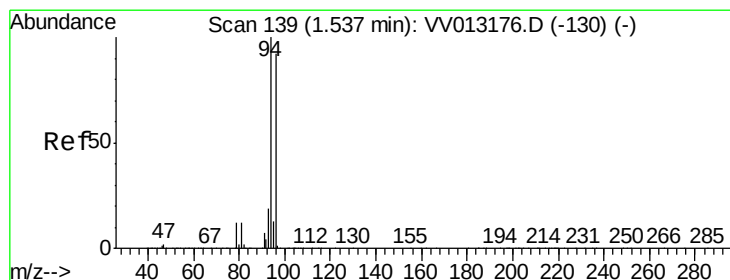
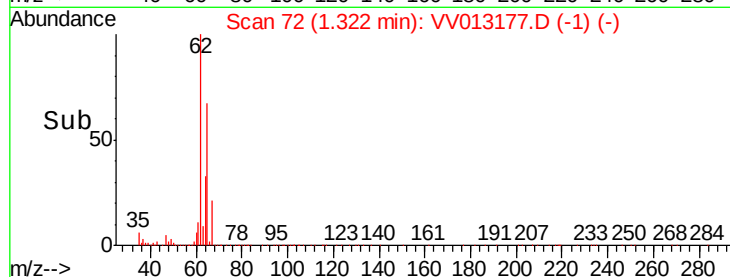
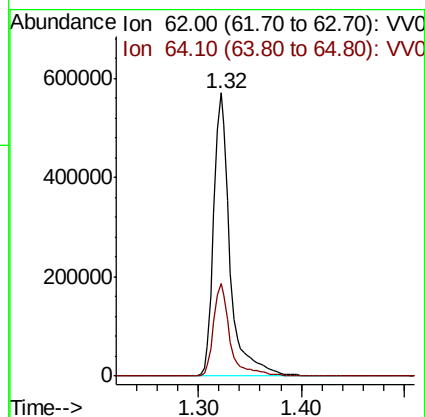
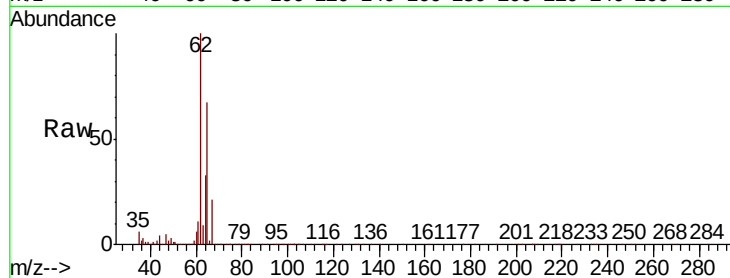
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 631059

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.3



#6

Bromomethane

Concen: 15.537 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV013177.D

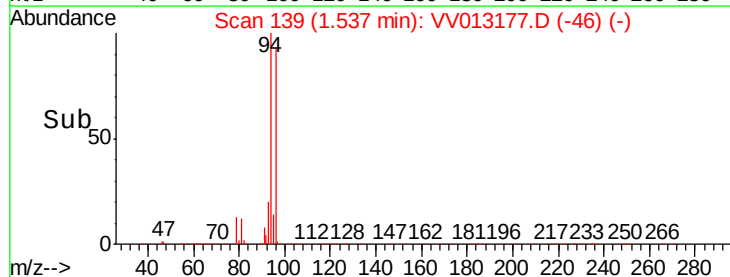
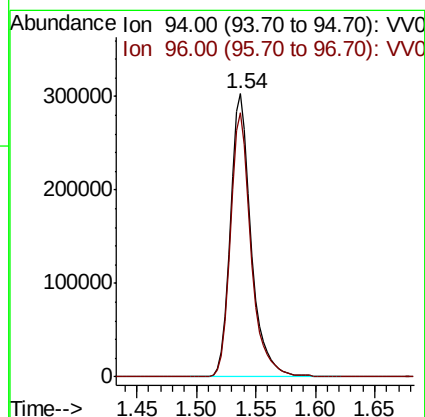
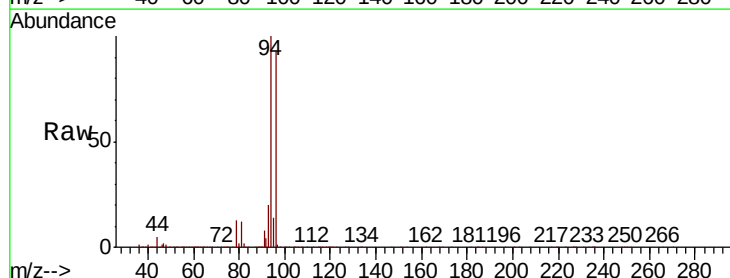
Acq: 17 Oct 2019 17:33

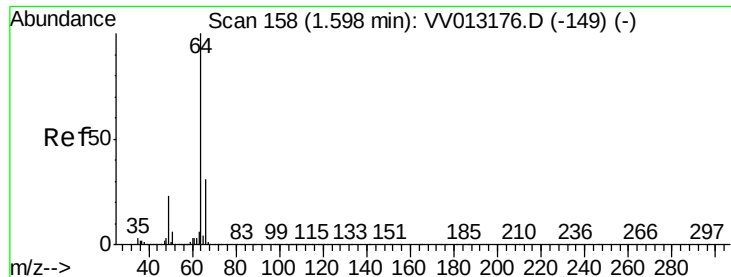
Tgt Ion: 94 Resp: 366023

Ion Ratio Lower Upper

94 100

96 93.1 64.6 120.0





#8

Chloroethane

Concen: 13.869 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

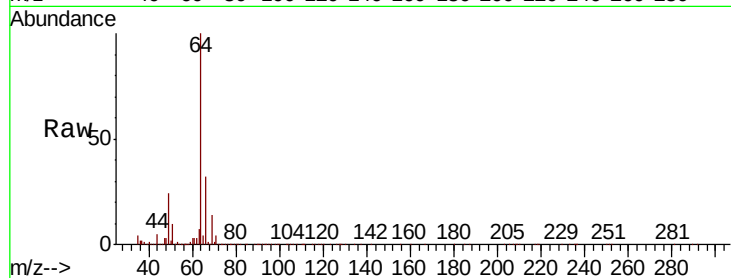
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 338177

Ion Ratio Lower Upper

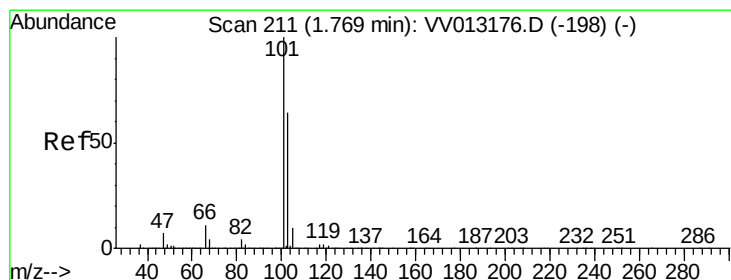
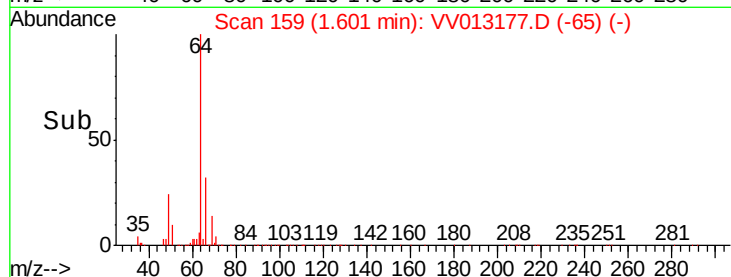
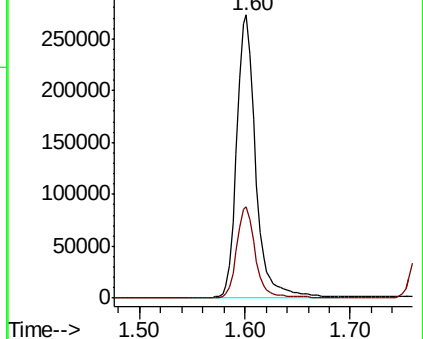
64 100

66 32.1 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV013177.D (-65) (-)

Ion 66.05 (65.75 to 66.75): VV013177.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 13.651 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013177.D

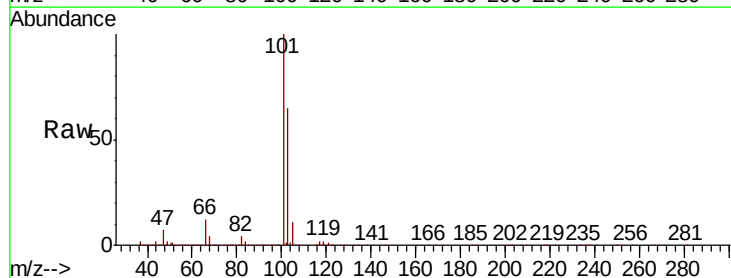
Acq: 17 Oct 2019 17:33

Tgt Ion: 101 Resp: 776905

Ion Ratio Lower Upper

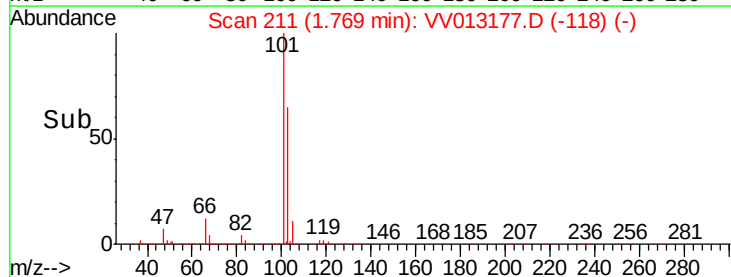
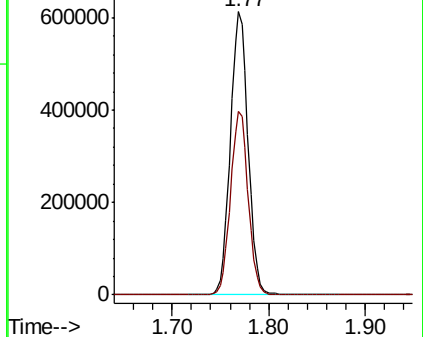
101 100

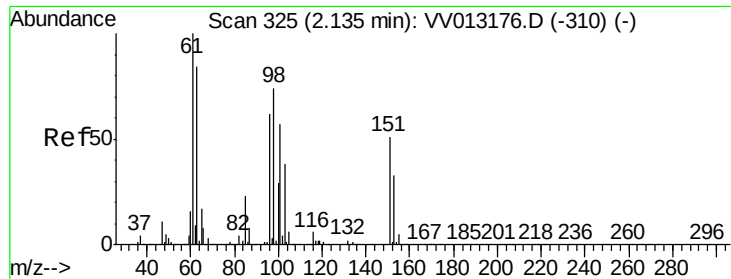
103 64.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV013177.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV013177.D (-118) (-)





#10

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

Concen: 13.163 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

Instrument :

MSVOA_V

ClientSampleId :

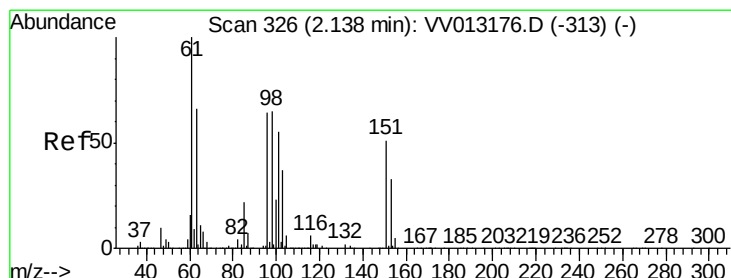
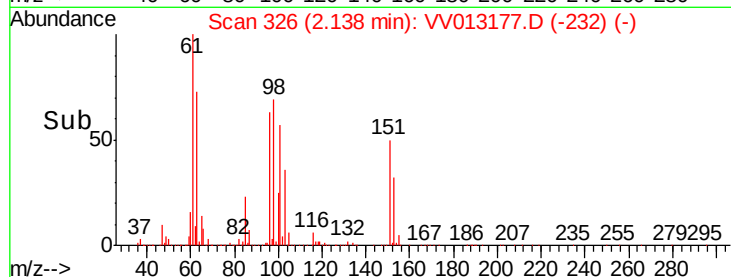
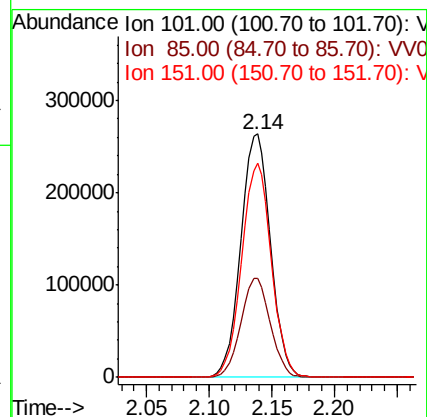
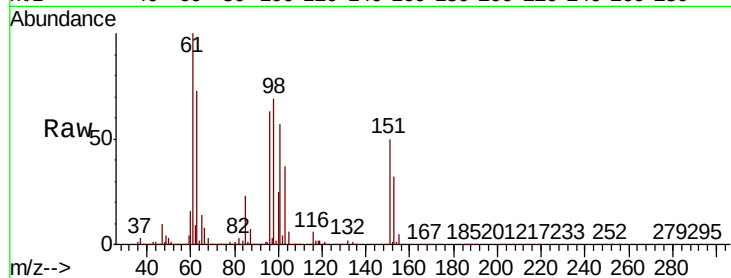
Tot Ion:101 Resp: 435105

Ion Ratio Lower Upper

101 100

85 40.3 32.4 48.6

151 87.6 71.9 107.9



#12

1,1-Dichloroethene

Concen: 13.458 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

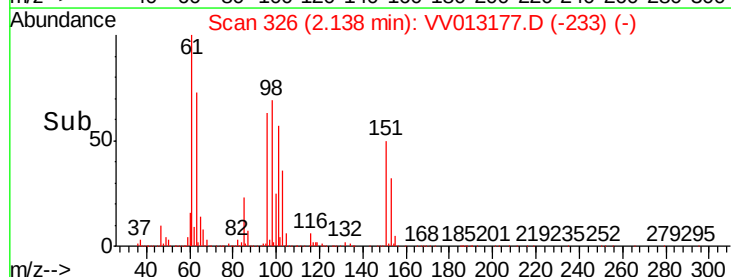
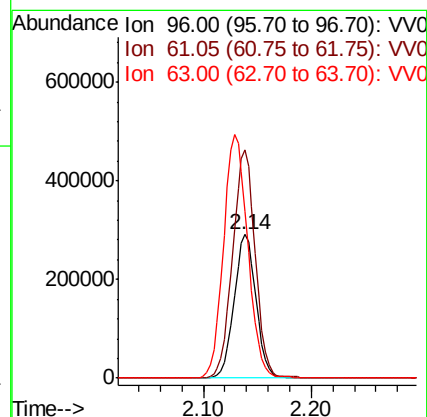
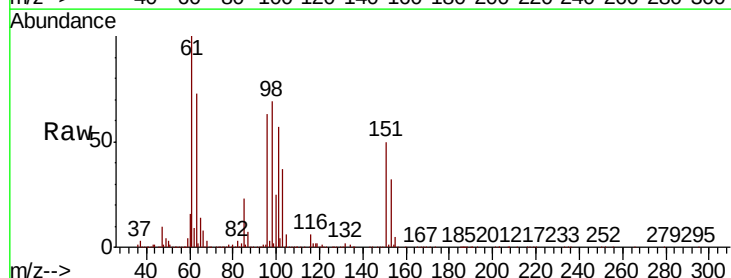
Tgt Ion: 96 Resp: 410480

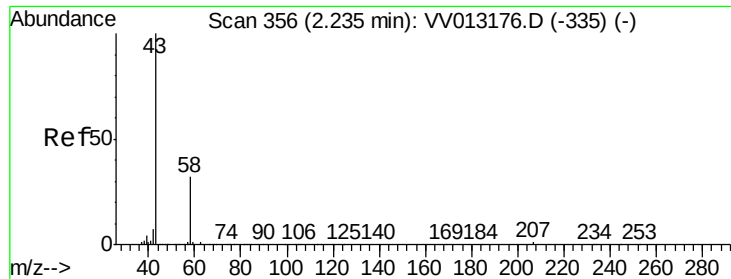
Ion Ratio Lower Upper

96 100

61 159.1 109.8 204.0

63 116.7 72.6 134.8





#13

Acetone

Concen: 116.253 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.01 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

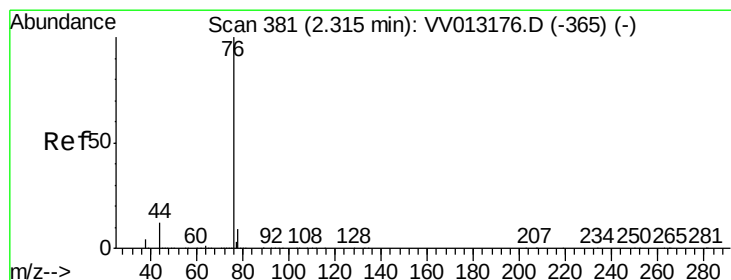
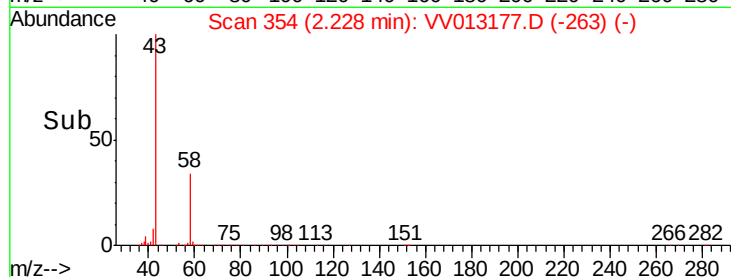
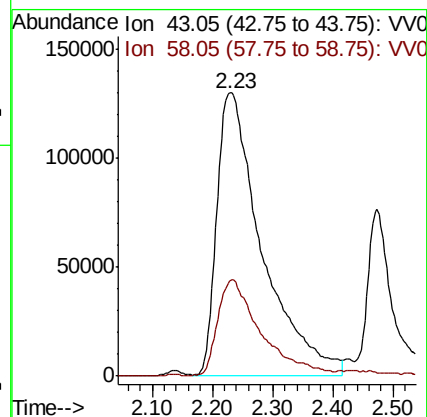
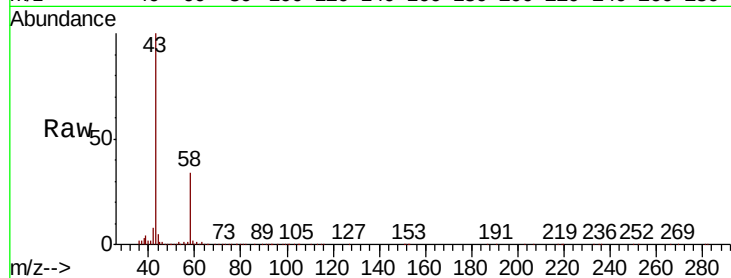
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 669274

Ion Ratio Lower Upper

43 100

58 32.6 0.0 52.4



#14

Carbon disulfide

Concen: 19.202 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013177.D

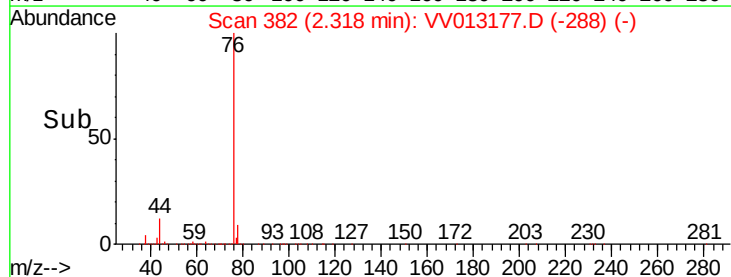
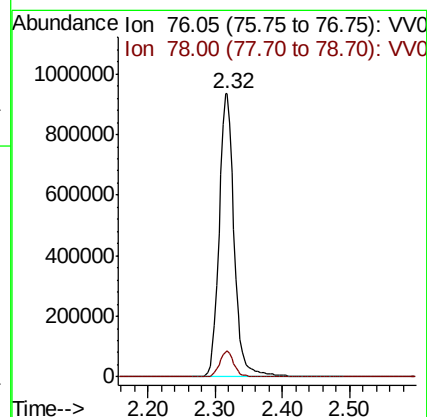
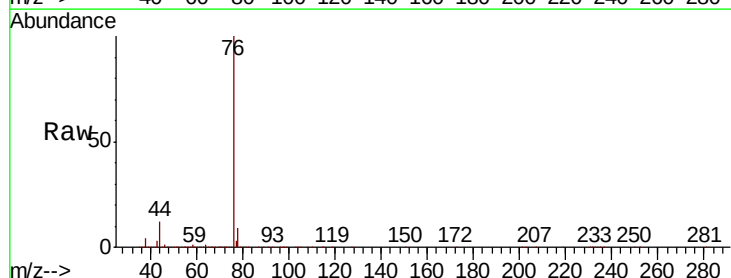
Acq: 17 Oct 2019 17:33

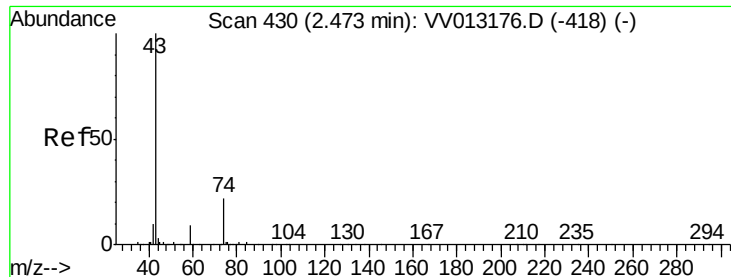
Tgt Ion: 76 Resp: 1459806

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 11.936 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

Instrument :

MSVOA_V

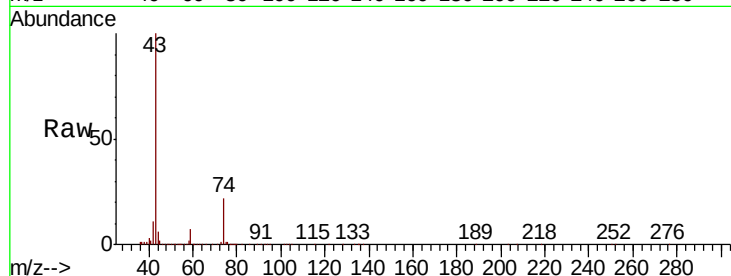
ClientSampleId :

Tot Ion: 43 Resp: 172335

Ion Ratio Lower Upper

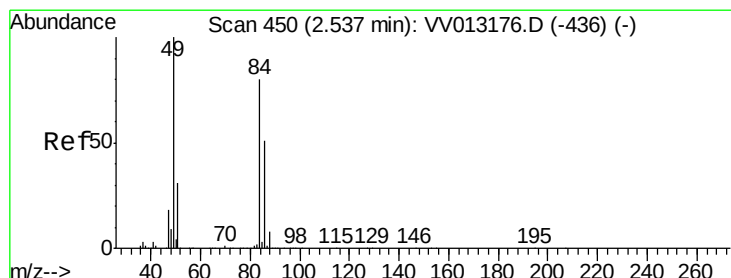
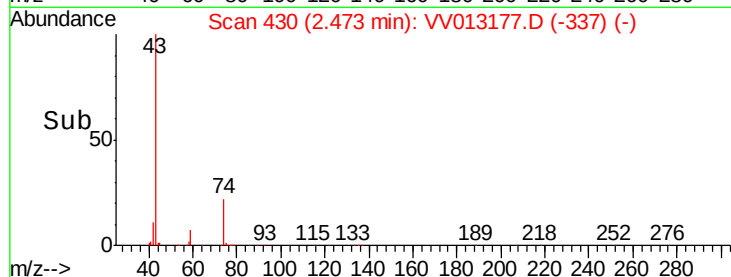
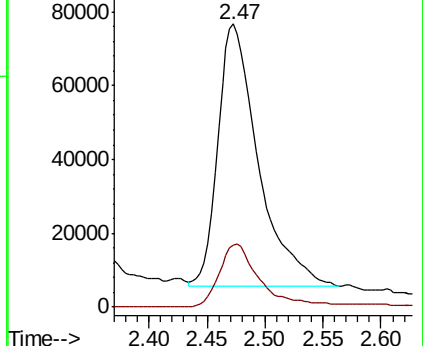
43 100

74 23.4 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: 13.249 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

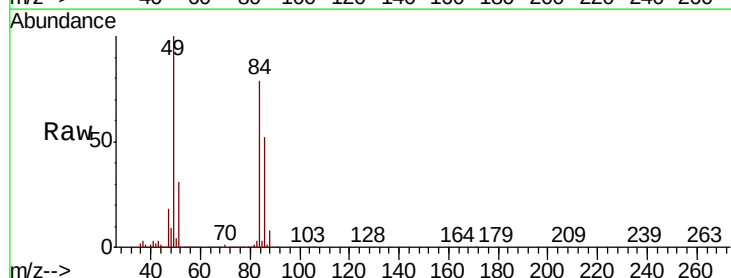
Tgt Ion: 84 Resp: 509845

Ion Ratio Lower Upper

84 100

86 65.3 44.5 82.7

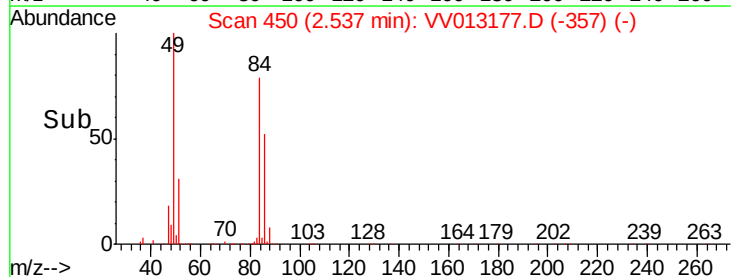
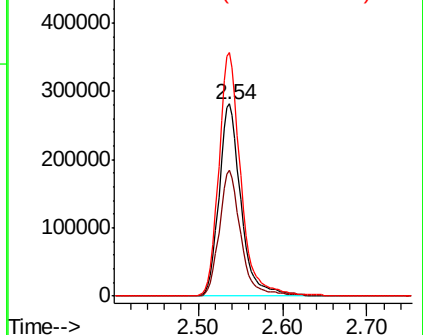
49 126.7 87.3 162.1

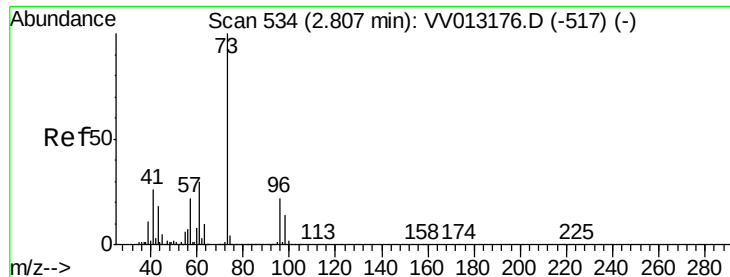


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



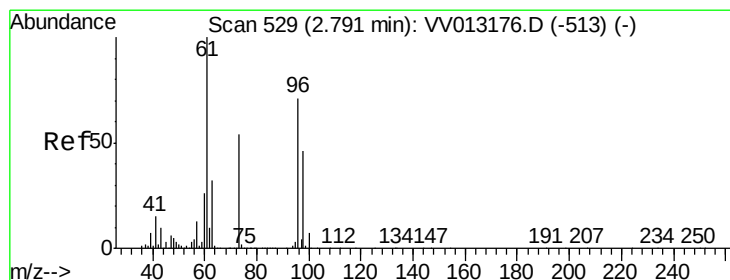
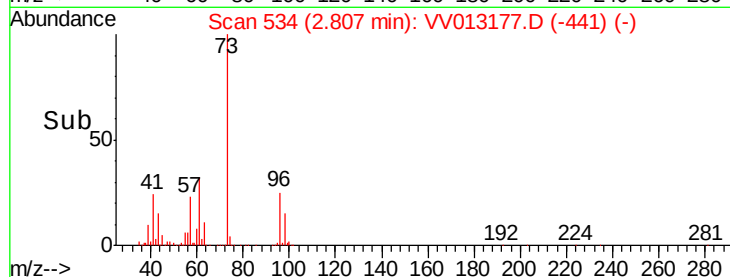
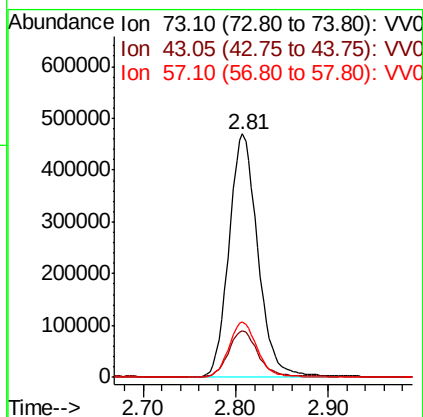
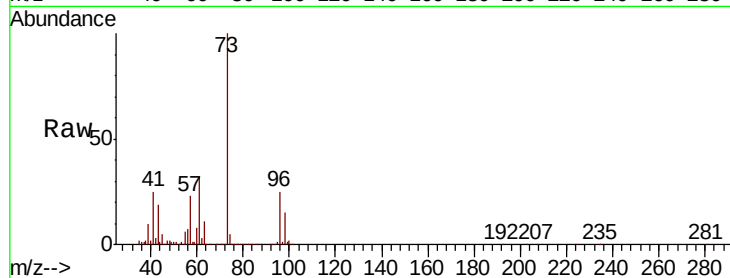


#17

Methyl tert-butyl Ether
 Concen: 12.476 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Instrument :
 MSVOA_V
 ClientSampled :

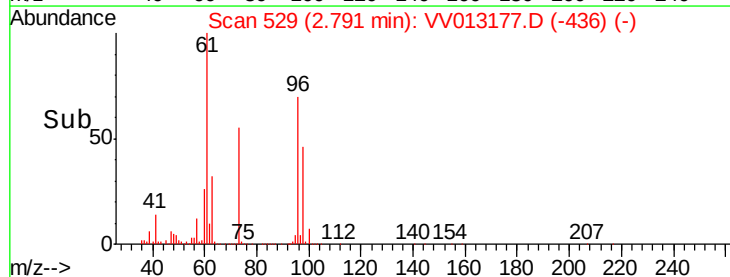
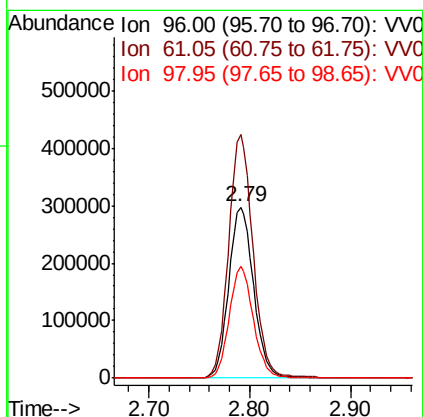
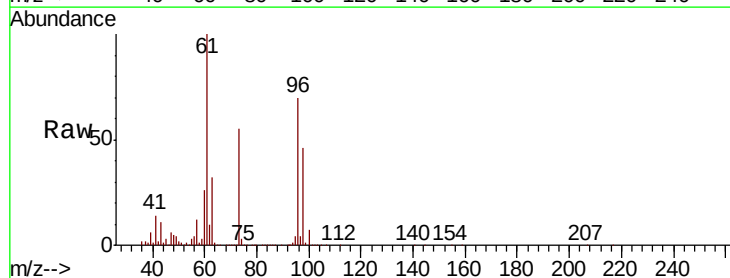
Tot Ion: 73 Resp: 1019300
 Ion Ratio Lower Upper
 73 100
 43 19.1 14.6 22.0
 57 22.5 17.8 26.8

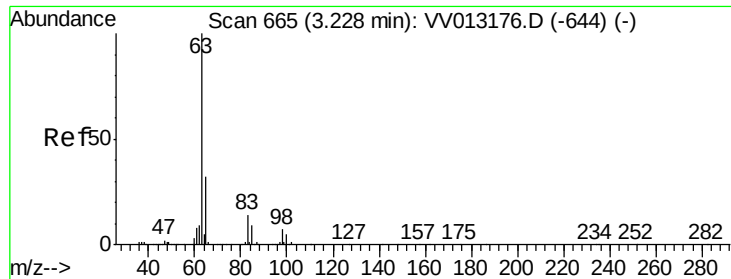


#18

trans-1,2-Dichloroethene
 Concen: 14.558 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion: 96 Resp: 513476
 Ion Ratio Lower Upper
 96 100
 61 142.5 98.1 182.1
 98 65.3 44.9 83.5

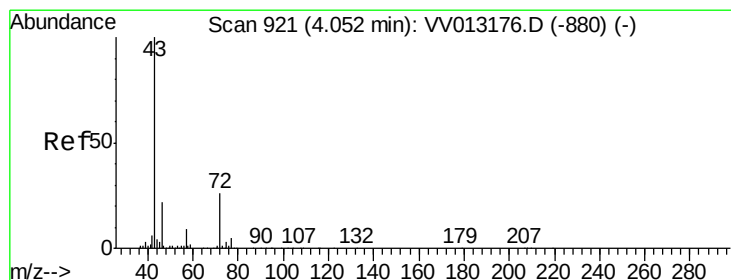
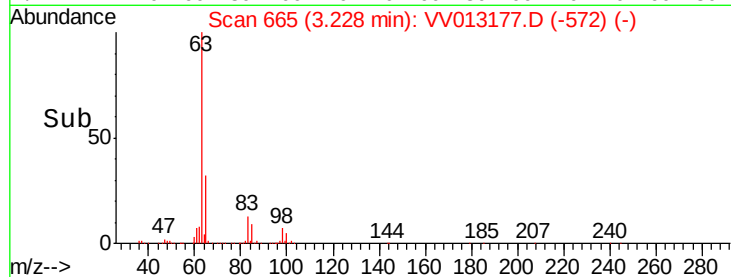
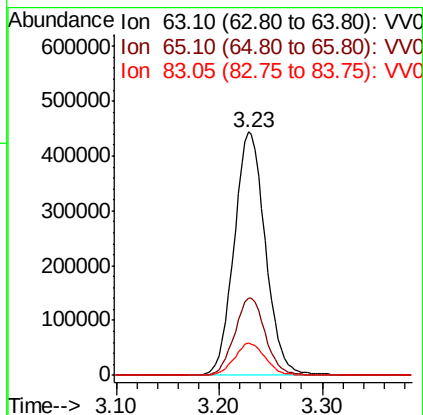
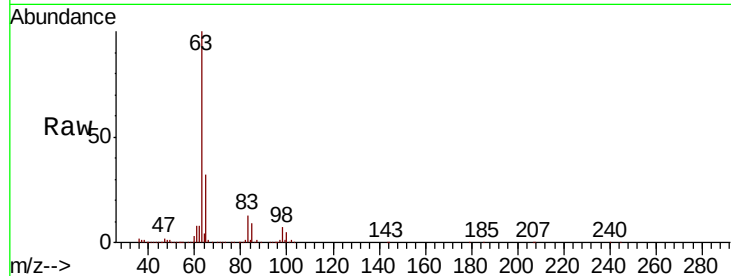




#19
 1,1-Dichloroethane
 Concen: 13.437 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

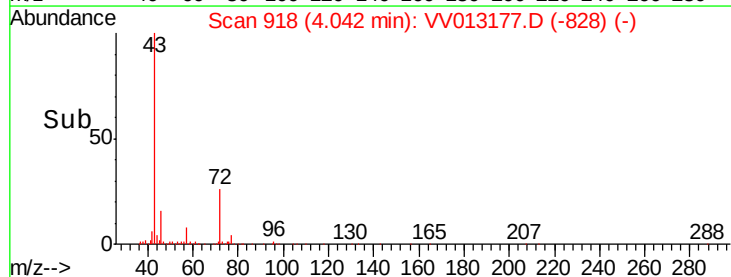
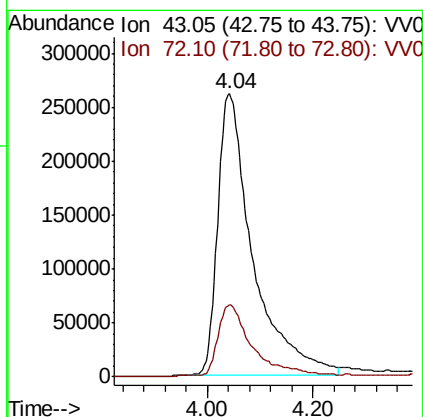
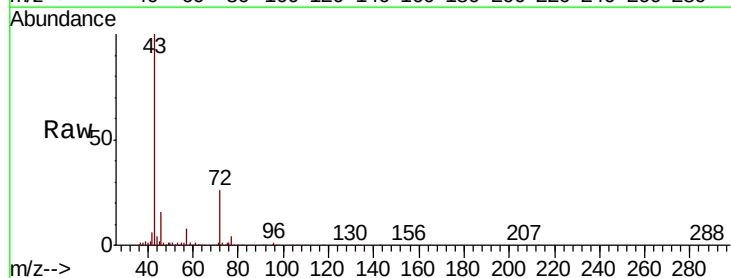
Instrument :
 MSVOA_V
 ClientSampleId :

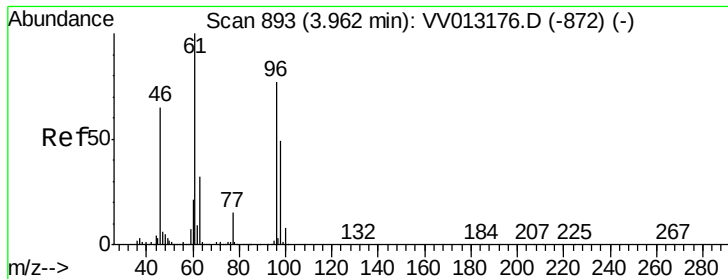
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.5	41.7
83	13.2	9.5	17.7



#21
 2-Butanone
 Concen: 130.662 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	13.1	39.1



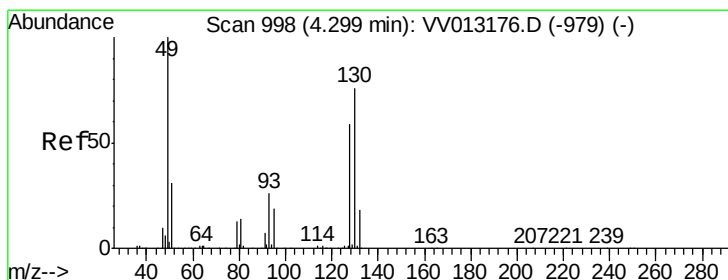
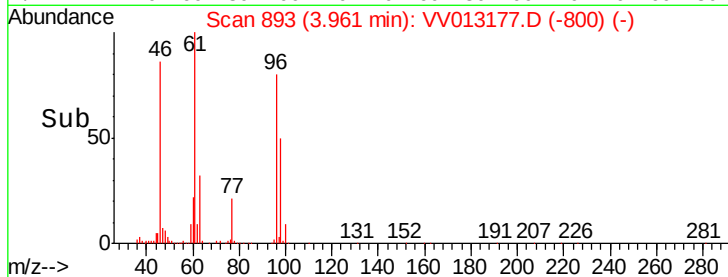
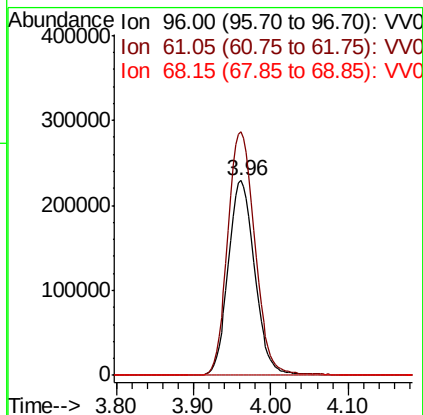
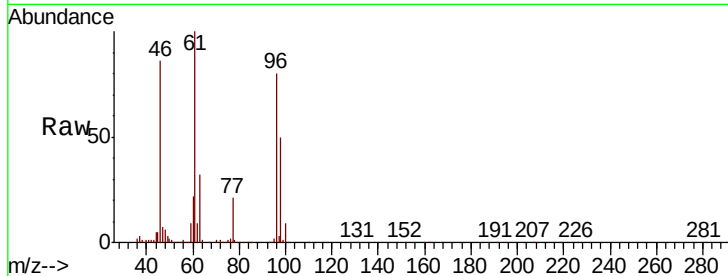


#22

cis-1,2-Dichloroethene
 Concen: 14.203 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Instrument :
 MSVOA_V
 ClientSampleId :

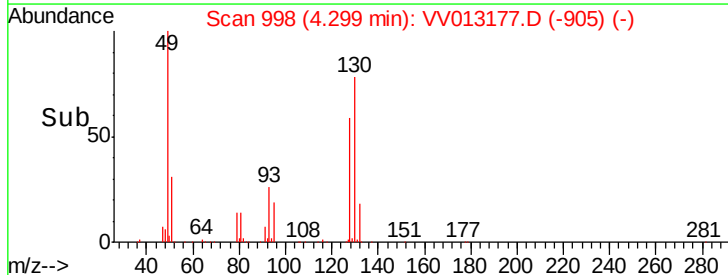
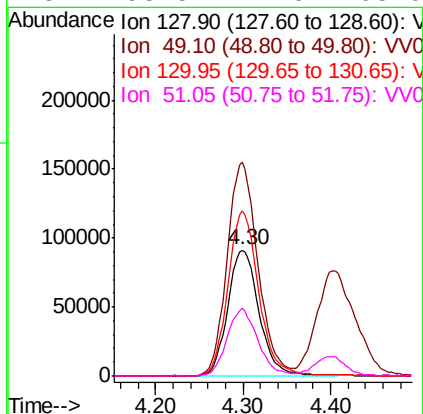
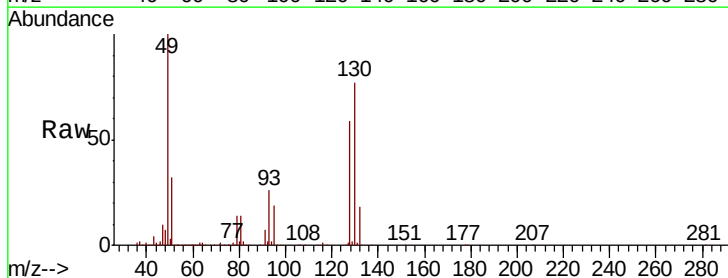
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.0	90.6	168.2
68	0.0	0.1	0.1#

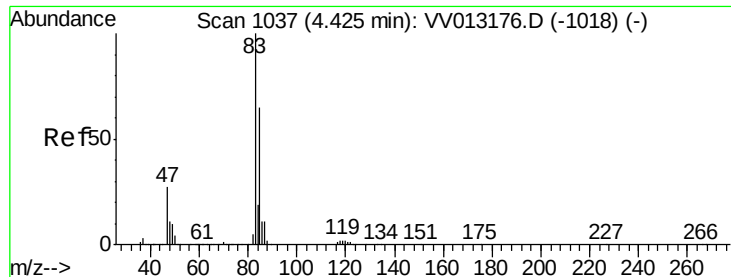


#23

Bromochloromethane
 Concen: 13.512 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.8	118.4	219.8
130	130.9	89.5	166.3
51	53.5	42.0	63.0

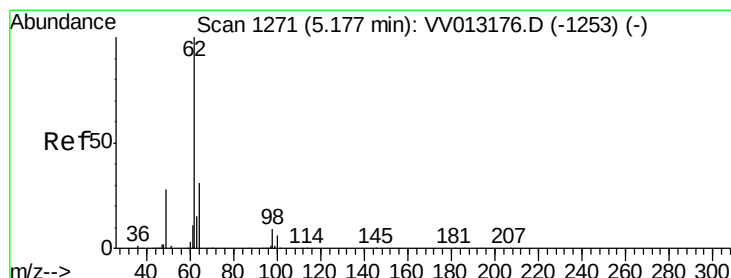
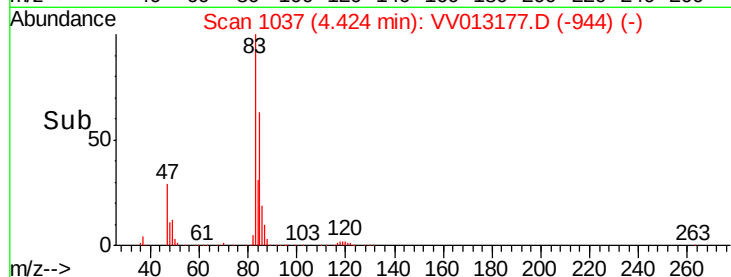
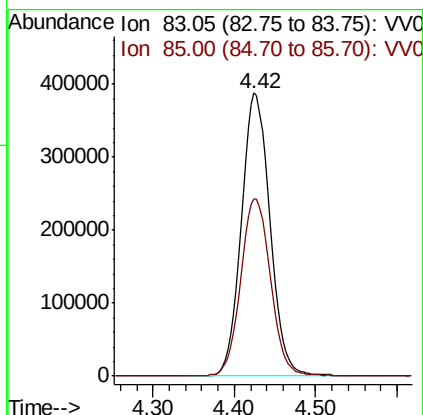
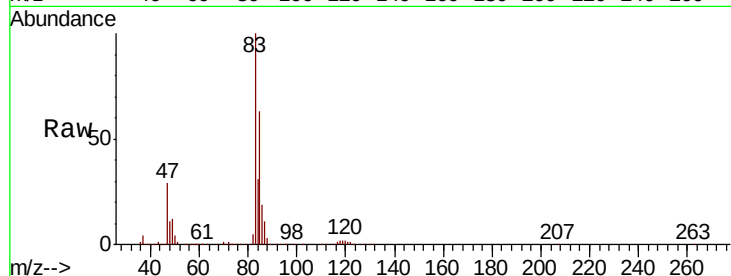




#25
Chloroform
Concen: 12.212 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013177.D
Acq: 17 Oct 2019 17:33

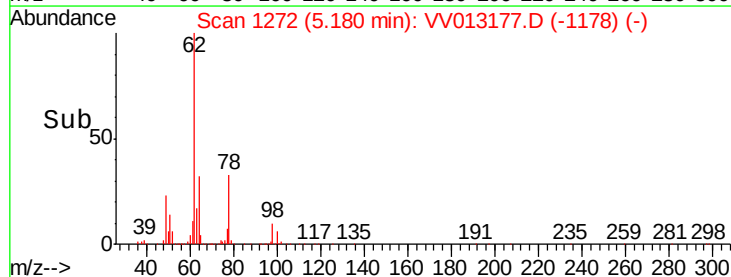
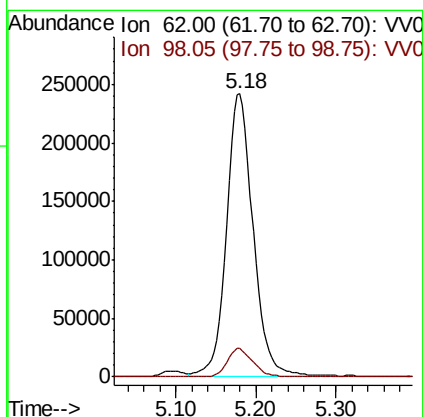
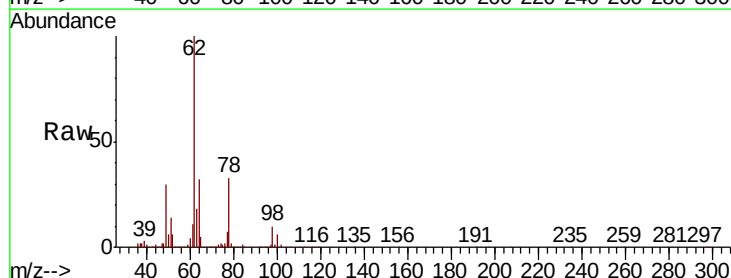
Instrument :
MSVOA_V
ClientSampleId :

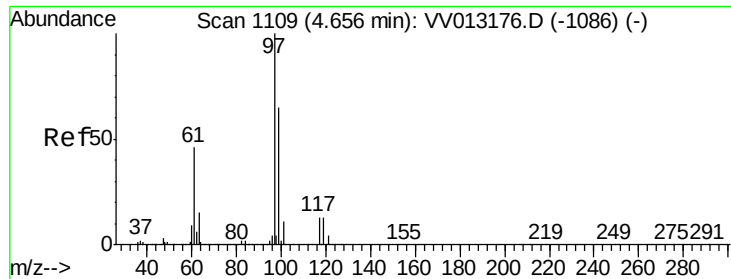
Tot Ion: 83 Resp: 937117
Ion Ratio Lower Upper
83 100
85 62.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 13.282 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013177.D
Acq: 17 Oct 2019 17:33

Tgt Ion: 62 Resp: 546856
Ion Ratio Lower Upper
62 100
98 10.0 7.4 11.2

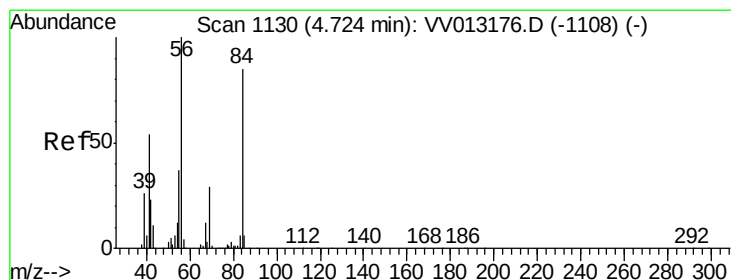
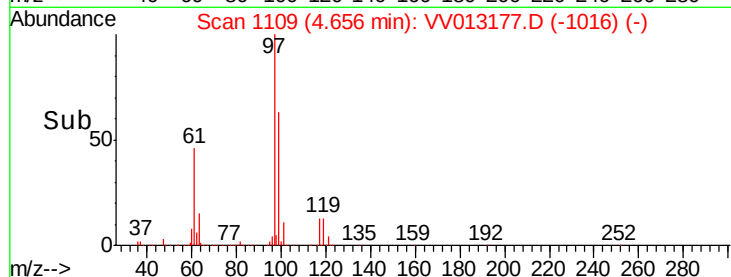
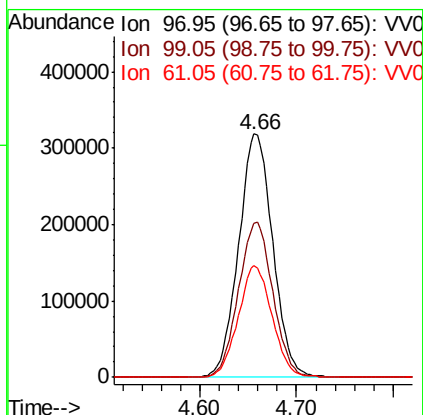
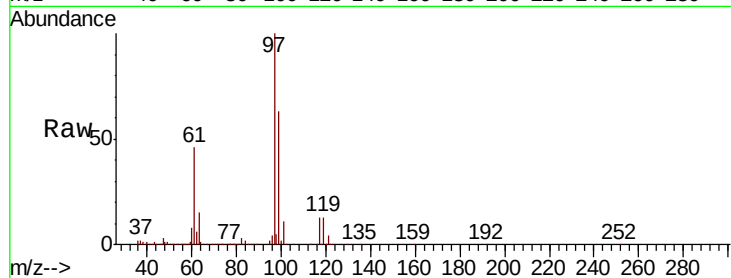




#29
 1,1,1-Trichloroethane
 Concen: 12.715 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

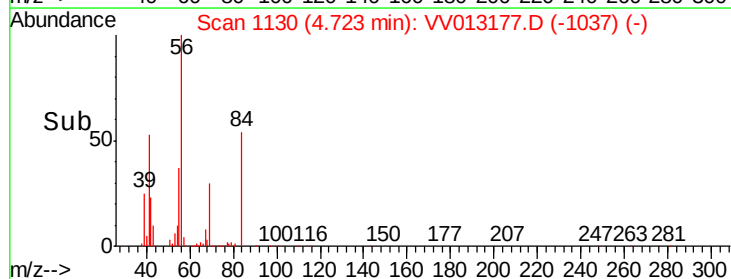
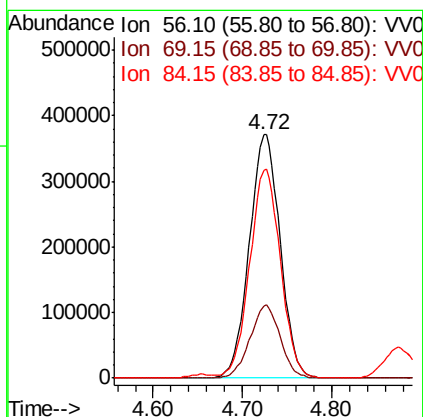
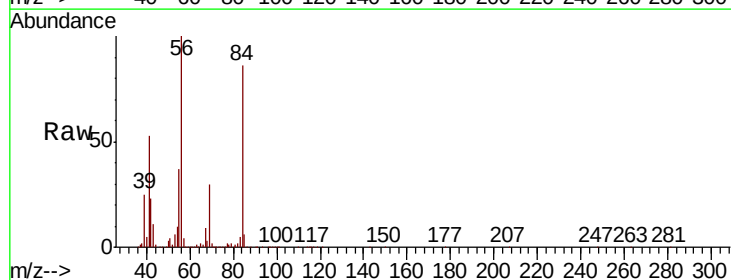
Instrument :
 MSVOA_V
 ClientSampleId :

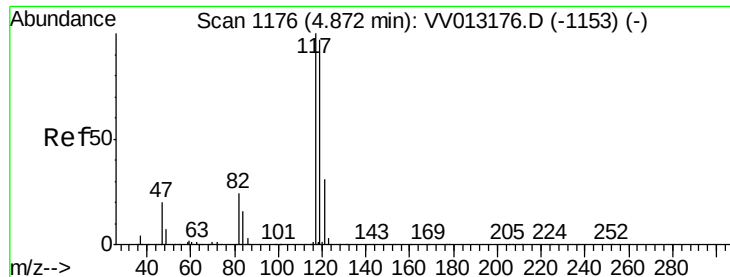
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	45.5	37.0	55.4



#30
 Cyclohexane
 Concen: 16.034 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.0	34.4
84	85.8	69.0	103.4





#31

Carbon tetrachloride

Concen: 13.360 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

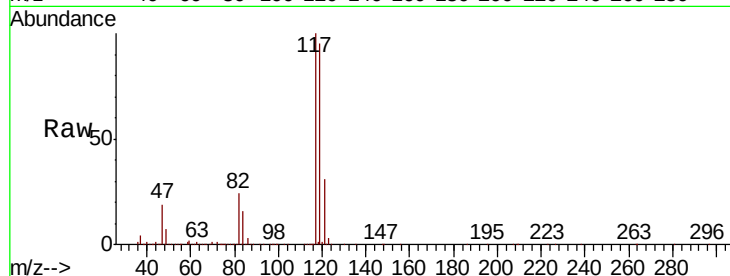
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 708100

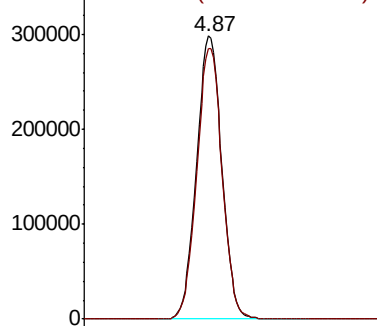
Ion Ratio Lower Upper

117 100

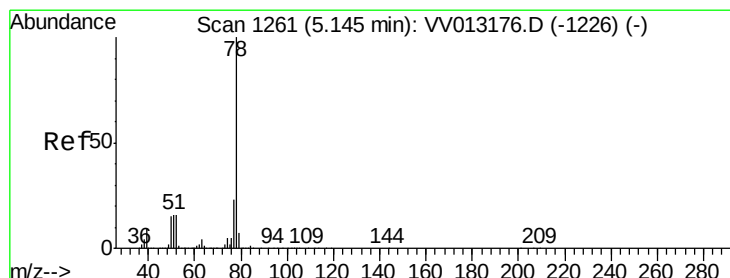
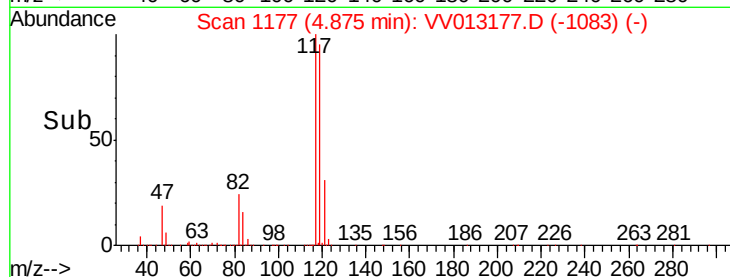
119 96.2 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 13.444 ug/L

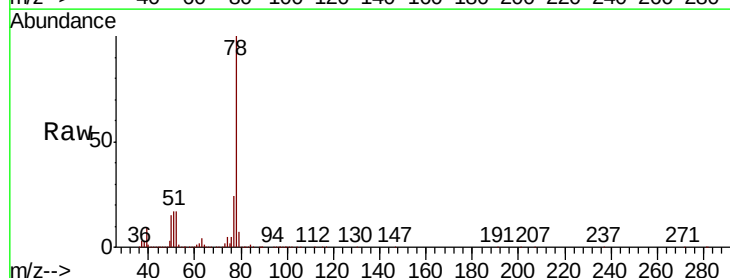
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

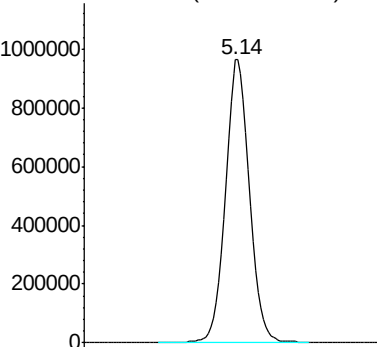
Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

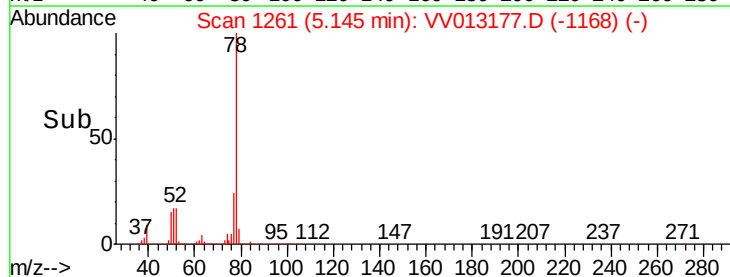
Tgt Ion: 78 Resp: 2104038

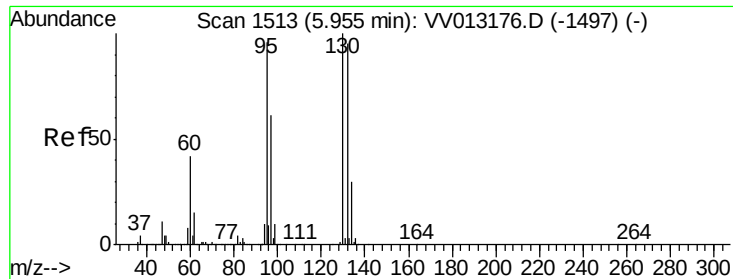


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 13.286 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 534197

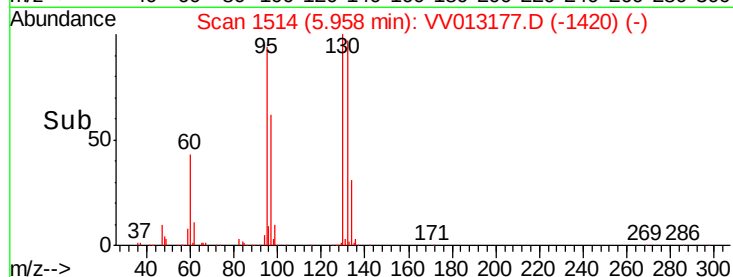
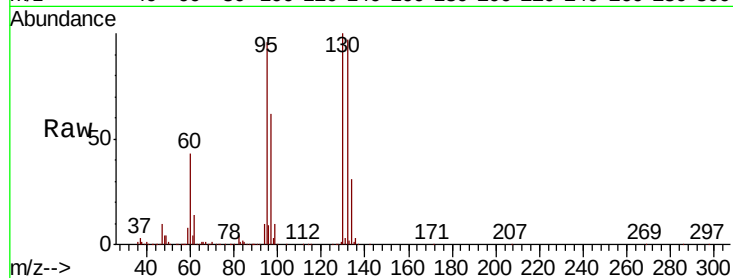
Ion Ratio Lower Upper

95 100

97 64.8 44.7 82.9

132 101.6 68.9 127.9

130 104.2 72.7 134.9

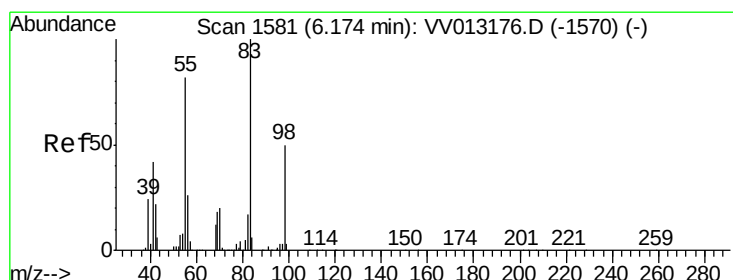
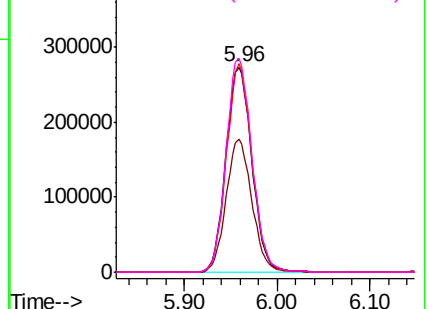


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 16.074 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

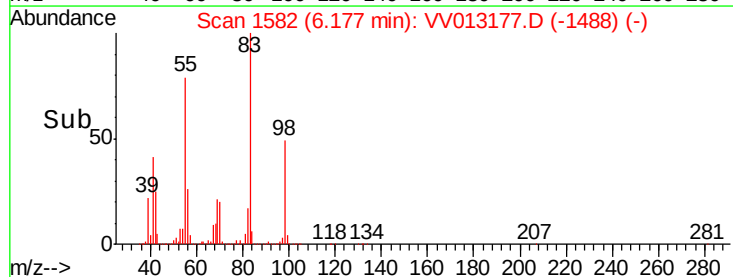
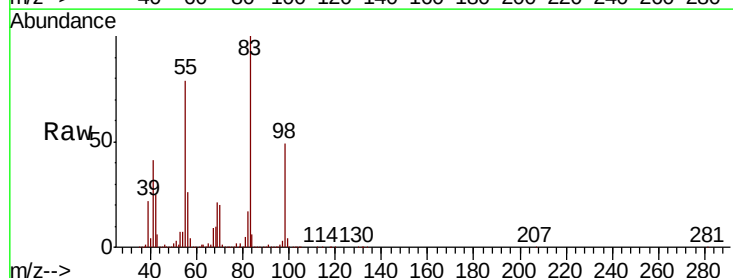
Tgt Ion: 83 Resp: 921555

Ion Ratio Lower Upper

83 100

55 78.4 64.0 96.0

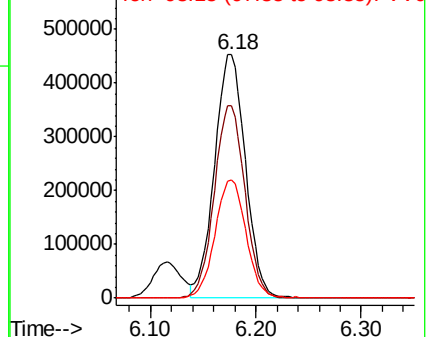
98 48.0 38.6 57.8

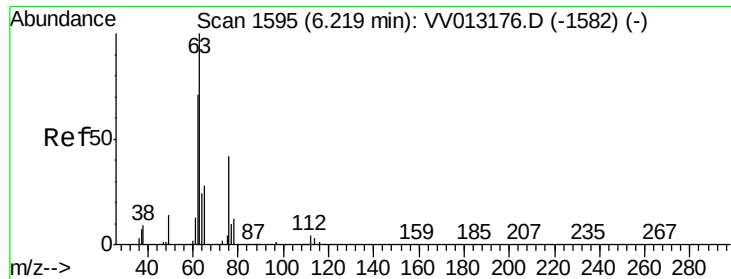


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

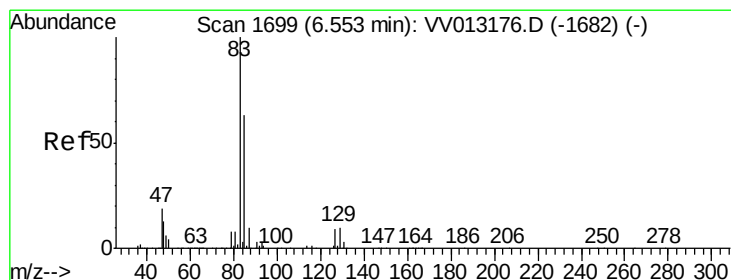
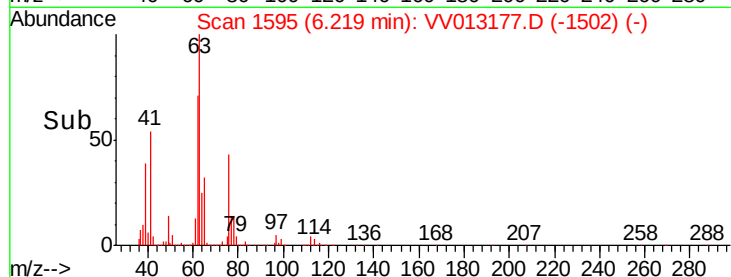
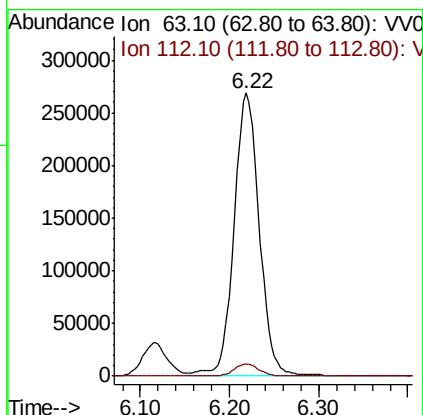
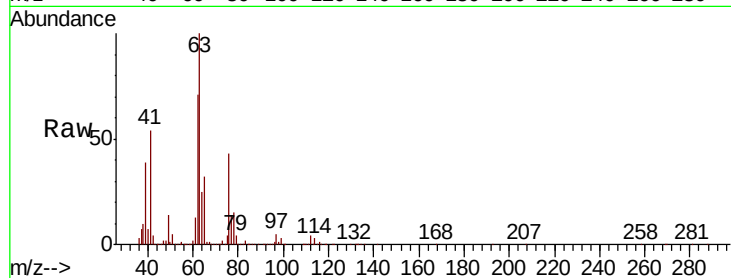




#37
 1,2-Dichloropropane
 Concen: 12.729 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

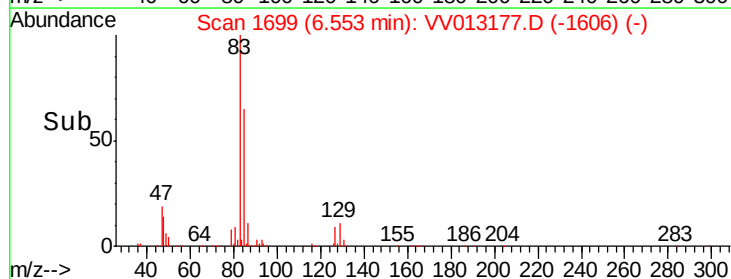
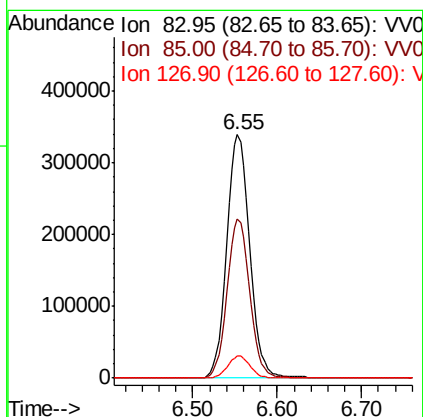
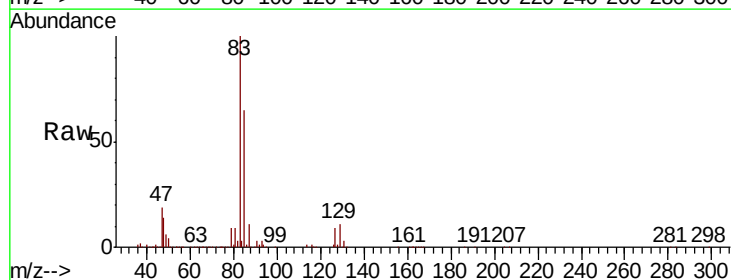
Instrument :
 MSVOA_V
 ClientSampleId :

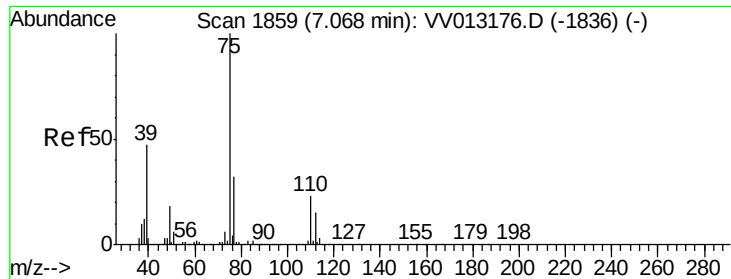
Tot Ion: 63 Resp: 524876
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.8



#38
 Bromodichloromethane
 Concen: 11.973 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion: 83 Resp: 639687
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.0 81.6
 127 8.9 7.0 10.6



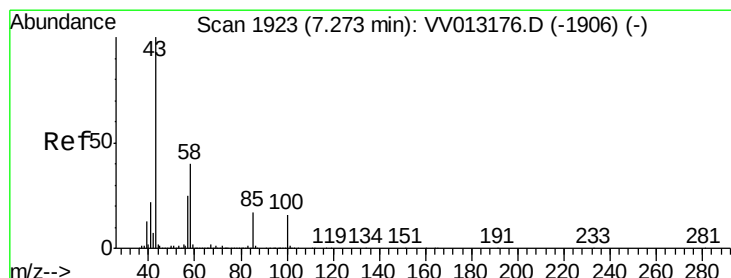
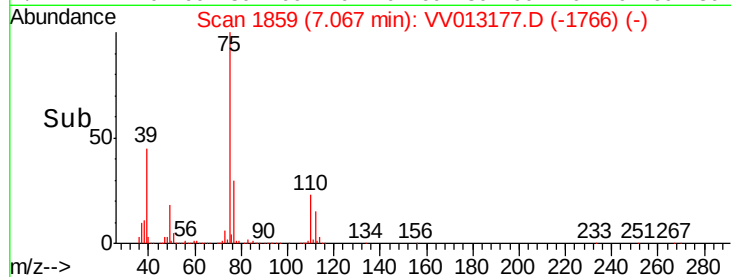
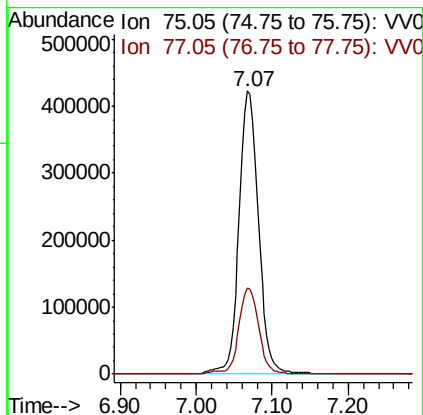
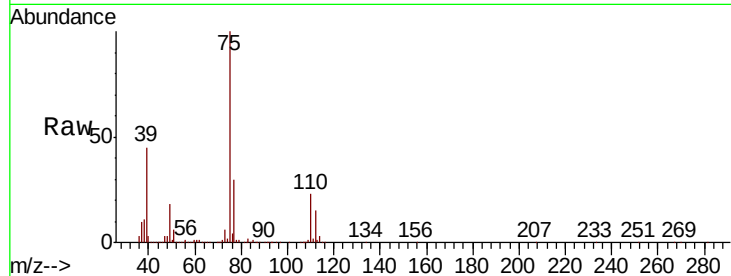


#39

cis-1,3-Dichloropropene
Concen: 13.591 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV013177.D
Acq: 17 Oct 2019 17:33

Instrument :
MSVOA_V
ClientSampleId :

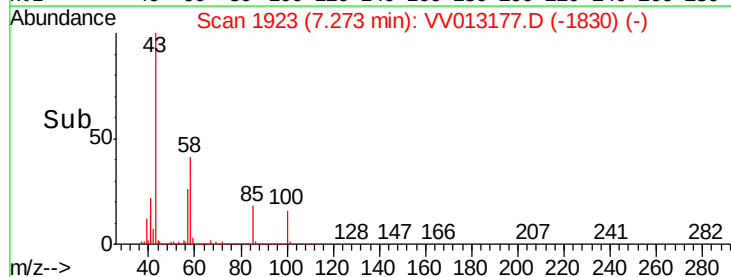
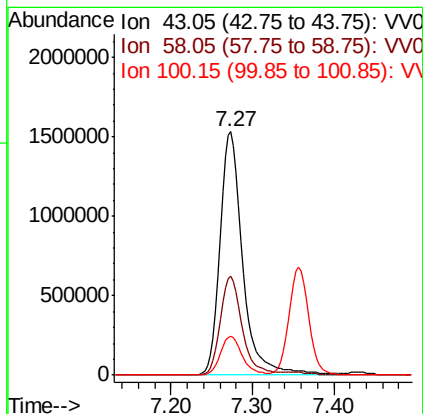
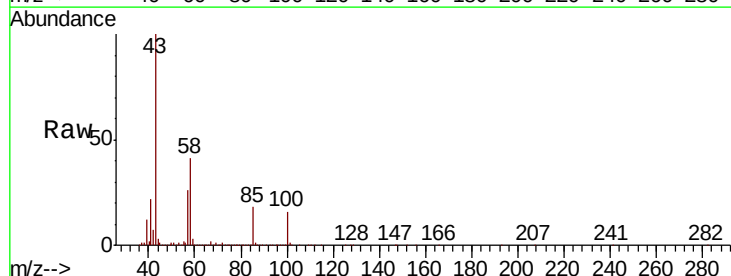
Tot Ion: 75 Resp: 752970
Ion Ratio Lower Upper
75 100
77 30.4 22.6 42.0

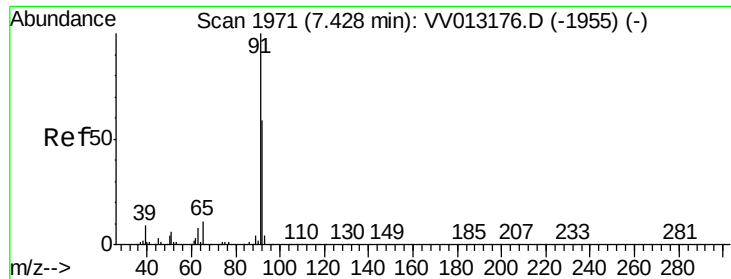


#40

4-Methyl-2-pentanone
Concen: 119.440 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV013177.D
Acq: 17 Oct 2019 17:33

Tgt Ion: 43 Resp: 3024546
Ion Ratio Lower Upper
43 100
58 39.4 32.4 48.6
100 15.5 11.8 17.8





#42

Toluene

Concen: 14.036 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

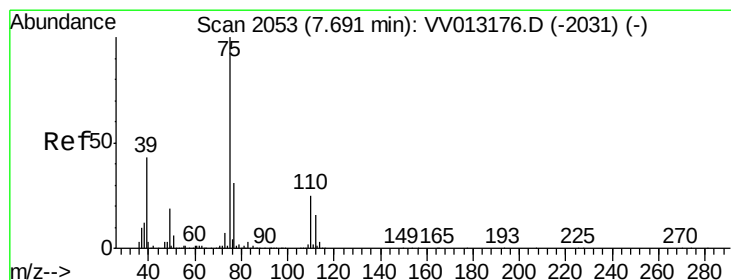
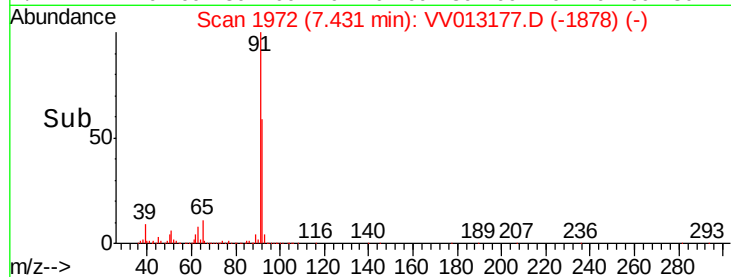
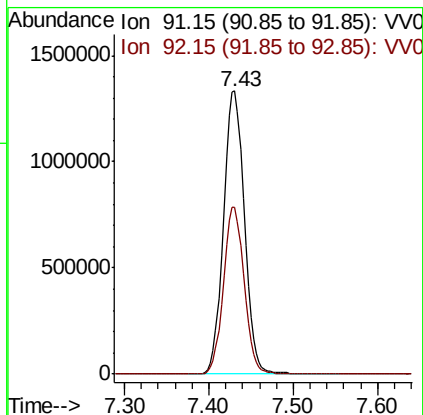
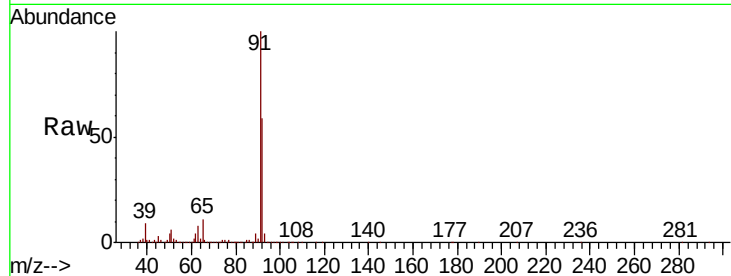
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2296050

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 12.841 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013177.D

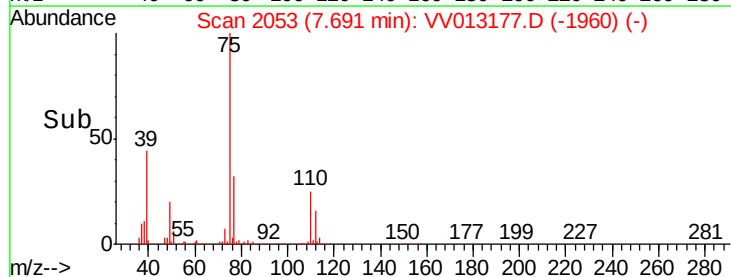
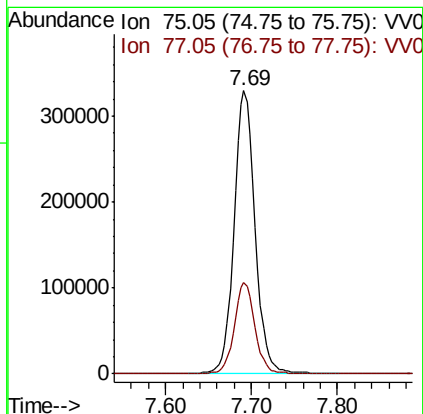
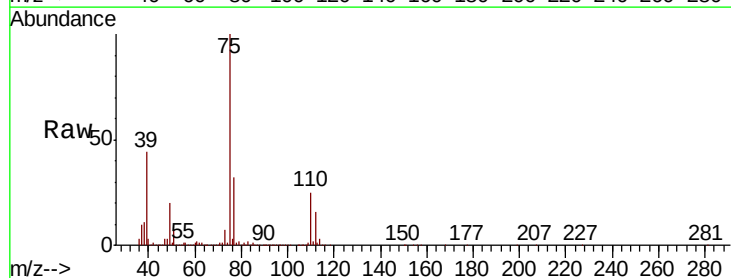
Acq: 17 Oct 2019 17:33

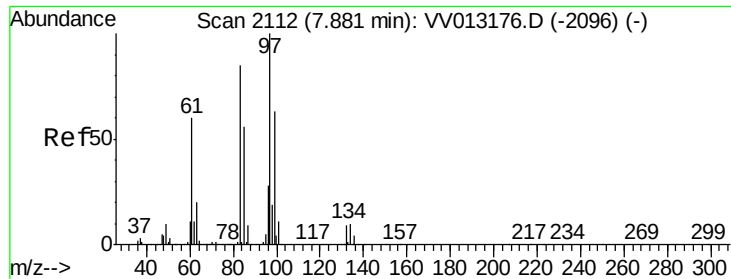
Tgt Ion: 75 Resp: 559773

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.4

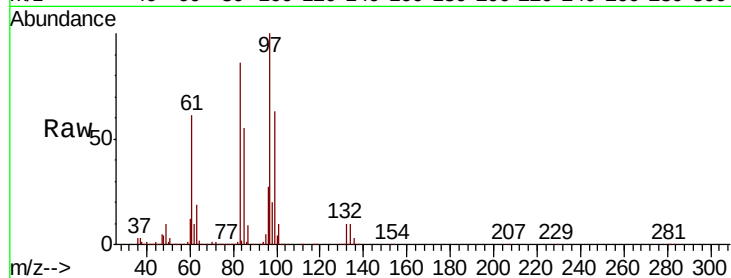




#45
 1,1,2-Trichloroethane
 Concen: 11.597 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	349745
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.8	81.4
83	85.5	59.5	110.5
85	55.2	39.5	73.4



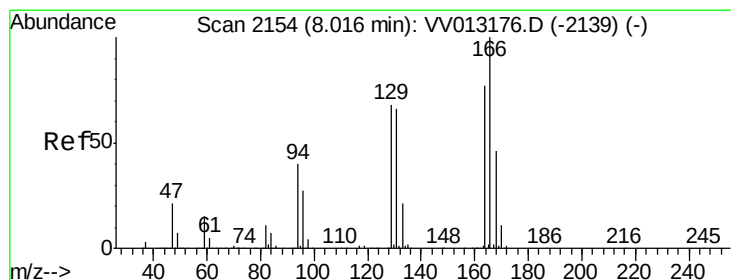
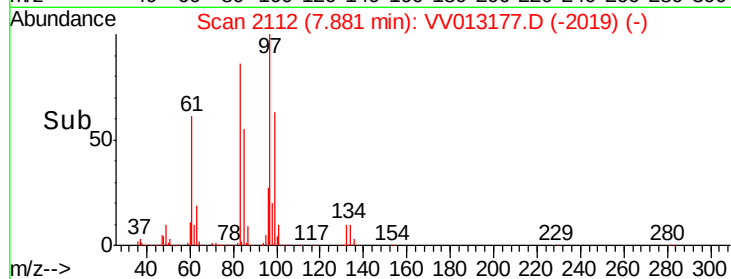
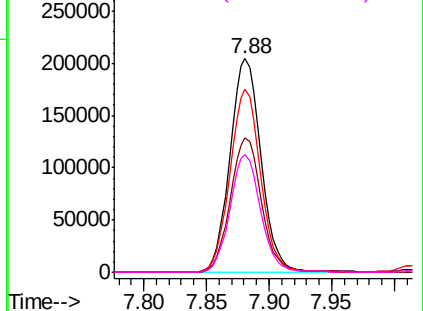
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

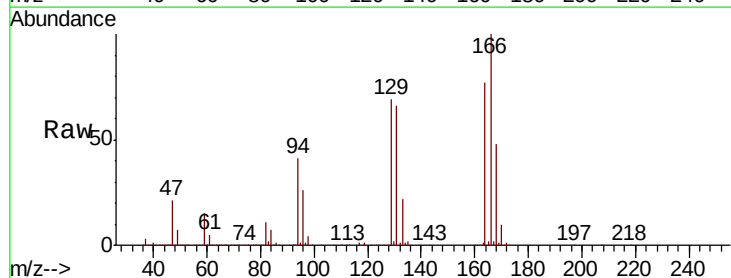
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 13.975 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion:	164	Resp:	466039
Ion	Ratio	Lower	Upper
164	100		
129	89.7	62.2	115.4
131	86.2	59.9	111.3
166	130.3	91.1	169.1



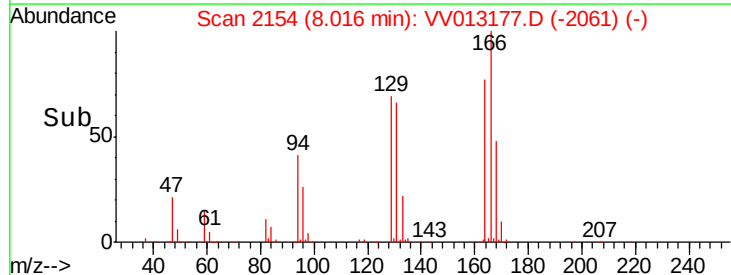
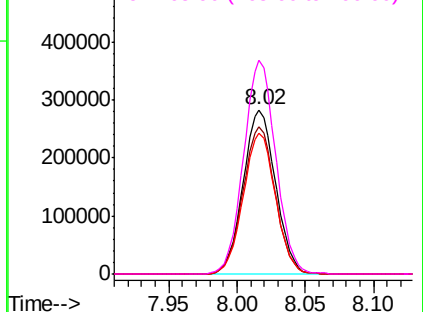
Abundance

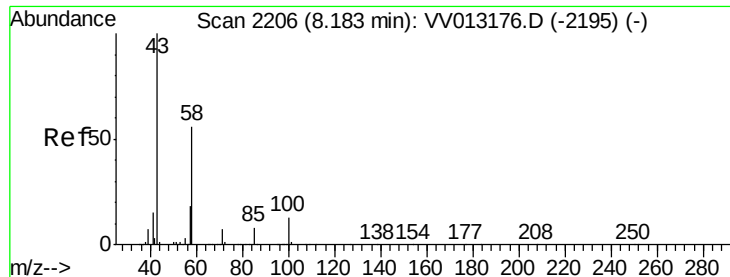
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

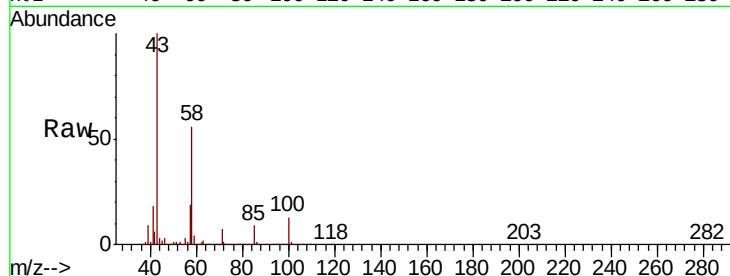




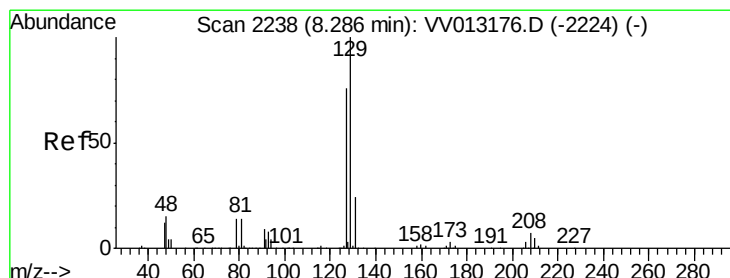
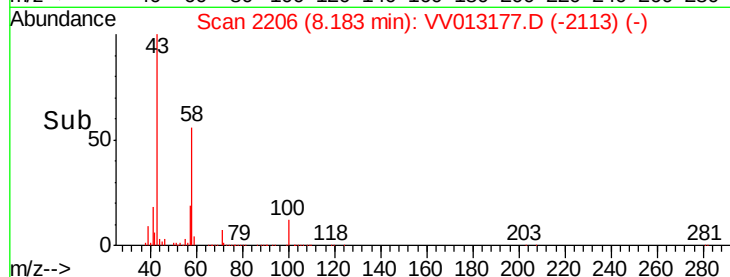
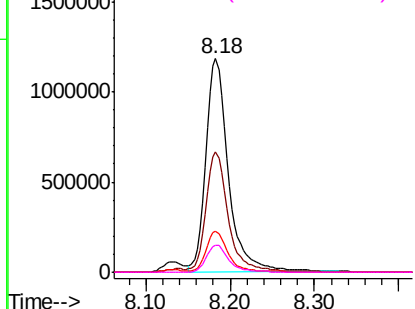
#48
2-Hexanone
Concen: 119.930 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013177.D
Acq: 17 Oct 2019 17:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 2198278
Ion Ratio Lower Upper
43 100
58 56.3 44.2 66.2
57 18.9 14.5 21.7
100 12.5 9.5 14.3

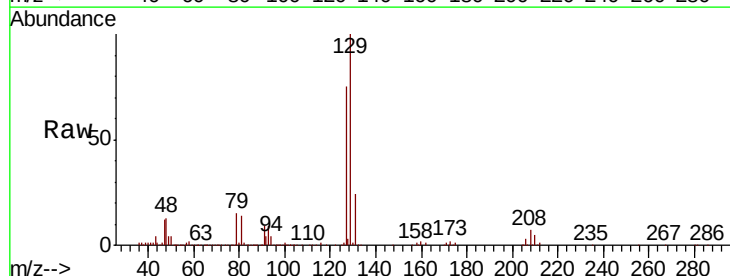


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

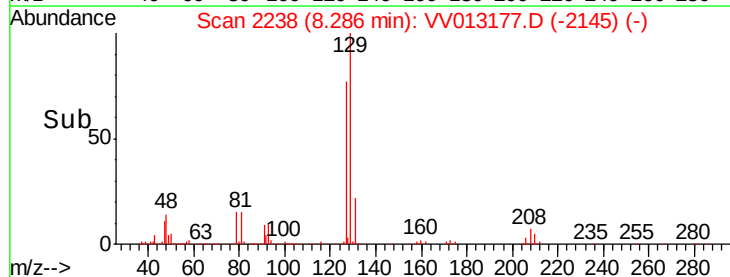
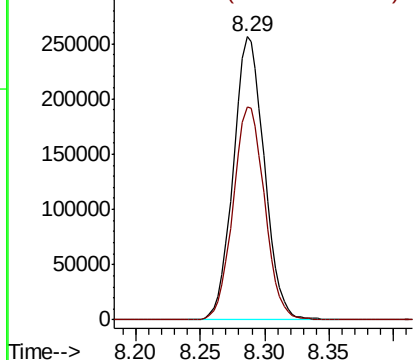


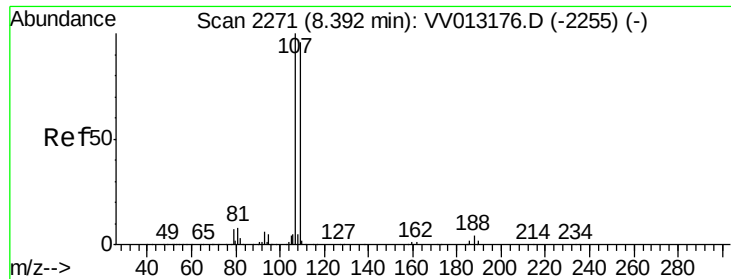
#49
Dibromochloromethane
Concen: 12.223 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013177.D
Acq: 17 Oct 2019 17:33

Tgt Ion: 129 Resp: 428578
Ion Ratio Lower Upper
129 100
127 75.3 53.2 98.8



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

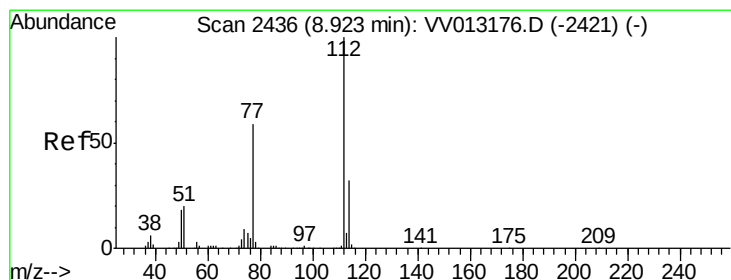
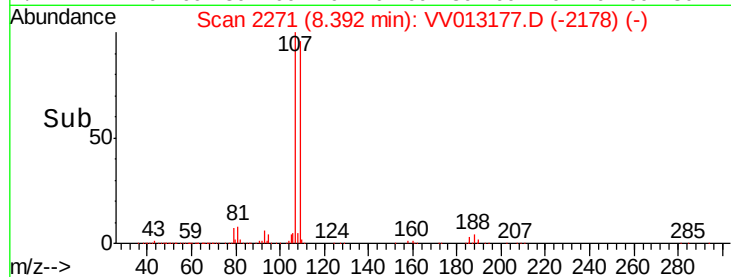
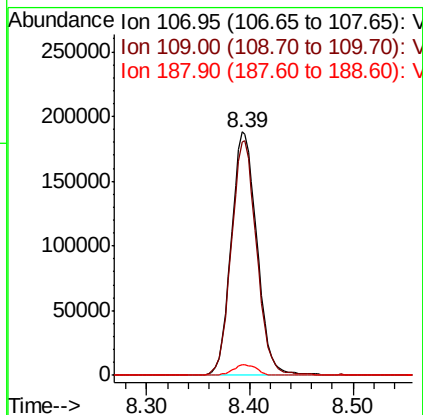
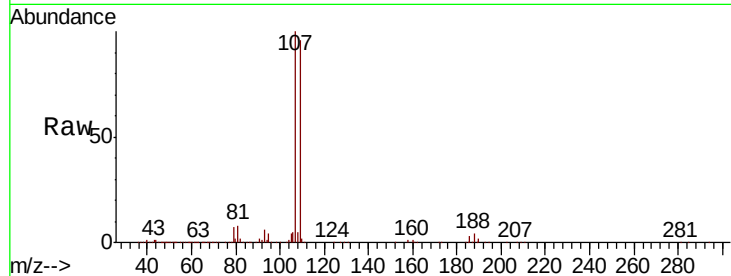




#50
 1,2-Dibromoethane
 Concen: 12.674 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

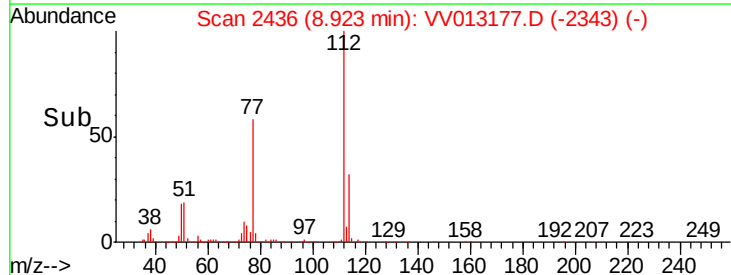
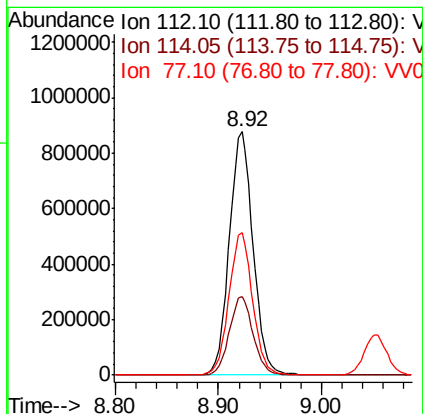
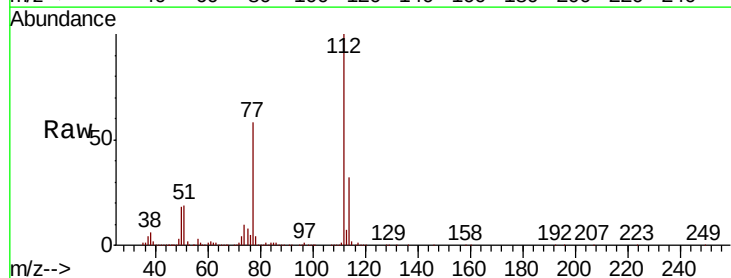
Instrument :
 MSVOA_V
 ClientSampleId :

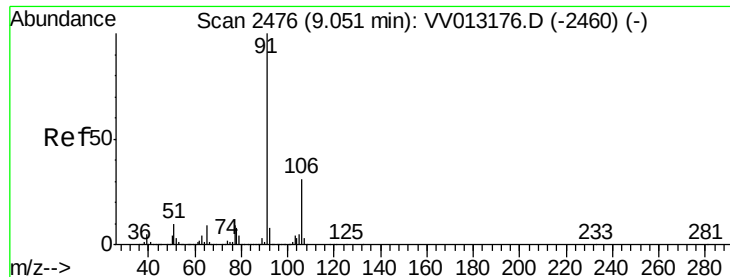
Tot Ion:107 Resp: 326288
 Ion Ratio Lower Upper
 107 100
 109 95.8 67.3 124.9
 188 4.2 3.3 4.9



#51
 Chlorobenzene
 Concen: 12.901 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion:112 Resp: 1411327
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.6 42.0
 77 58.4 47.5 71.3





#52

Ethylbenzene

Concen: 14.166 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

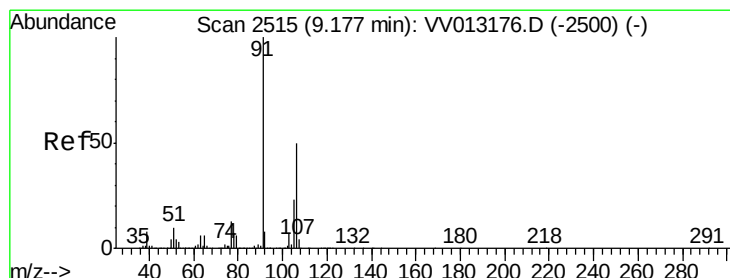
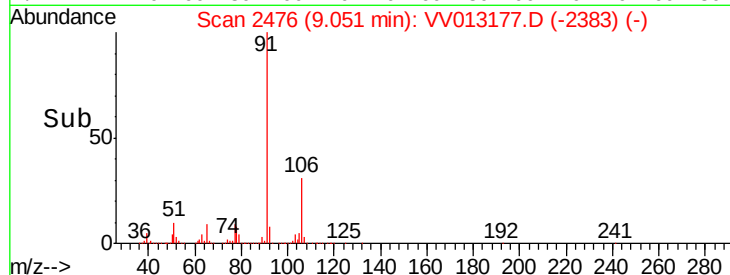
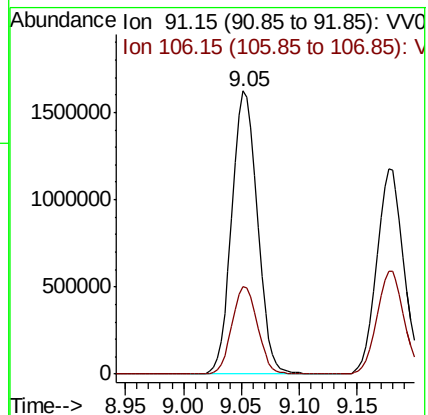
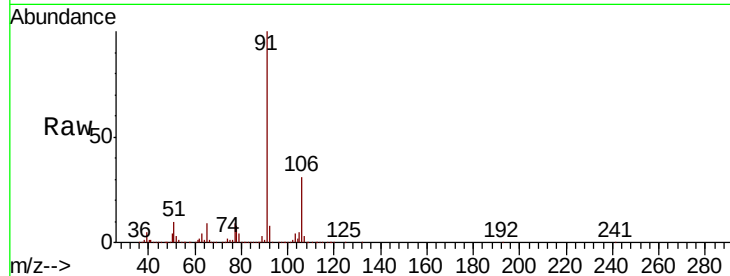
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 2485148

Ion Ratio Lower Upper

91 100

106 31.1 22.0 40.8



#53

m,p-xylene

Concen: 14.755 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013177.D

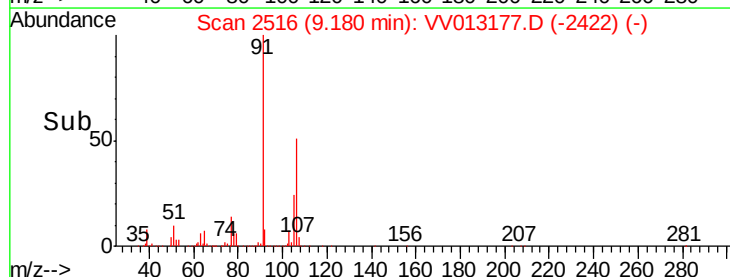
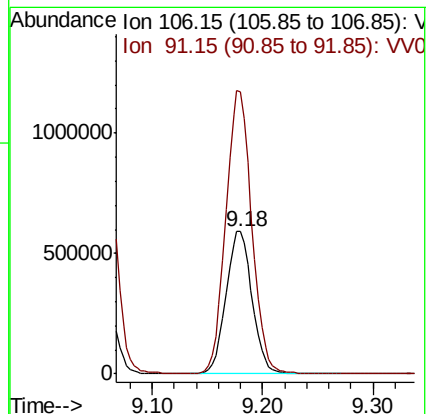
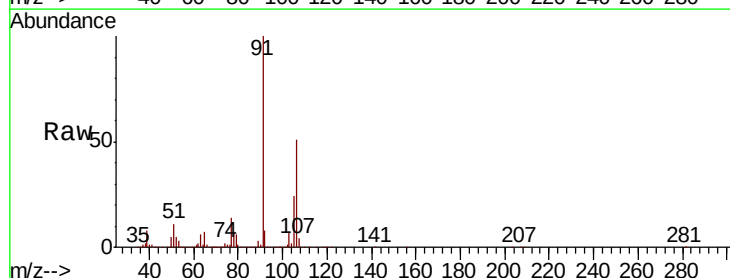
Acq: 17 Oct 2019 17:33

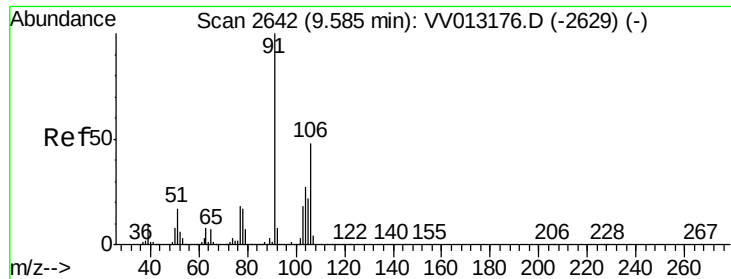
Tgt Ion: 106 Resp: 967384

Ion Ratio Lower Upper

106 100

91 197.6 141.3 262.5





#54

o-xylene

Concen: 14.512 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

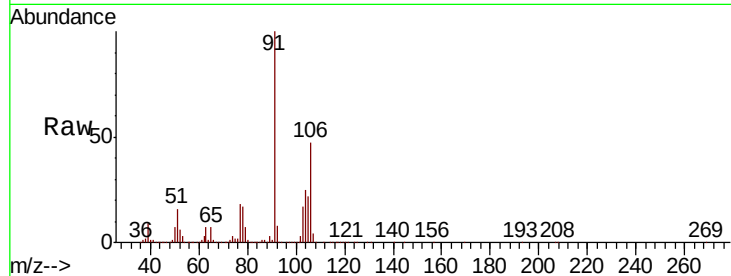
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 927466

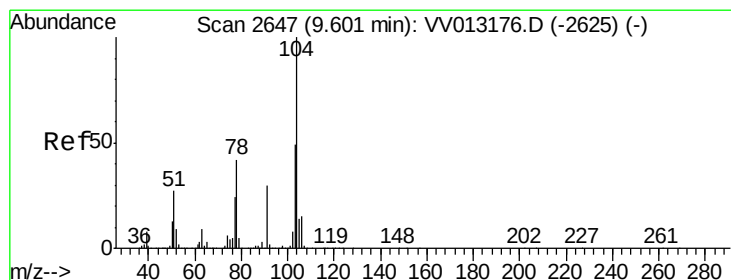
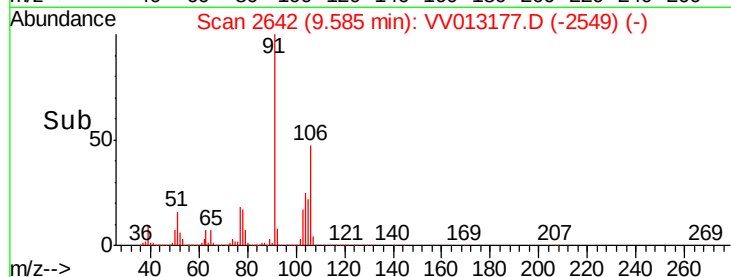
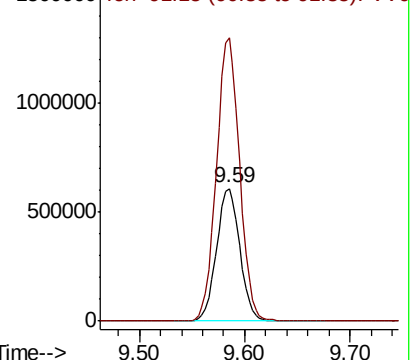
Ion Ratio Lower Upper

106 100

91 212.9 145.3 269.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 14.505 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV013177.D

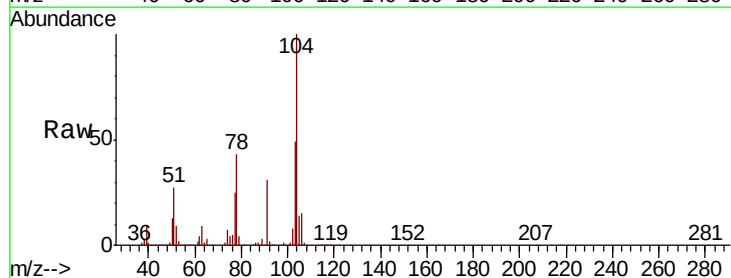
Acq: 17 Oct 2019 17:33

Tgt Ion:104 Resp: 1574004

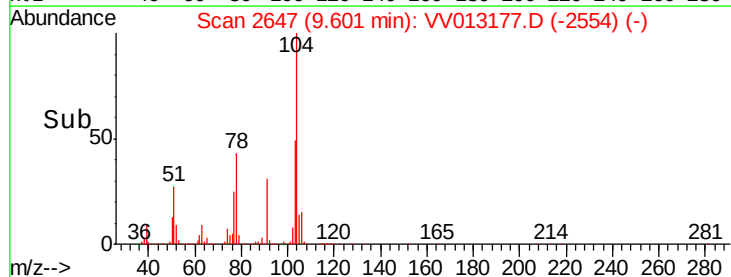
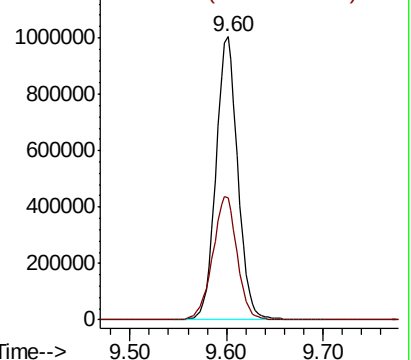
Ion Ratio Lower Upper

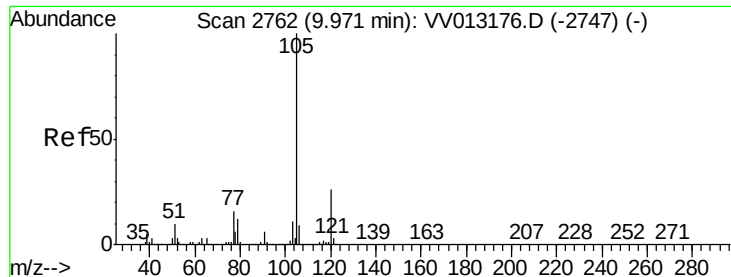
104 100

78 43.0 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: 14.480 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

Instrument :

MSVOA_V

ClientSampleId :

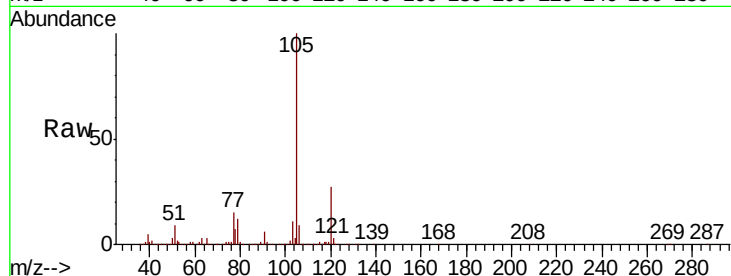
Tot Ion:105 Resp: 2472181

Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.0	31.6
77	15.2	12.4	18.6

105 100

120 26.6 21.0 31.6

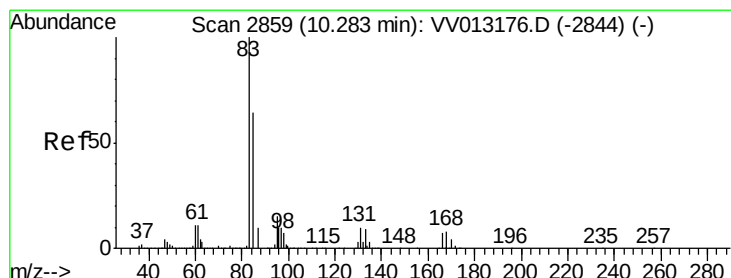
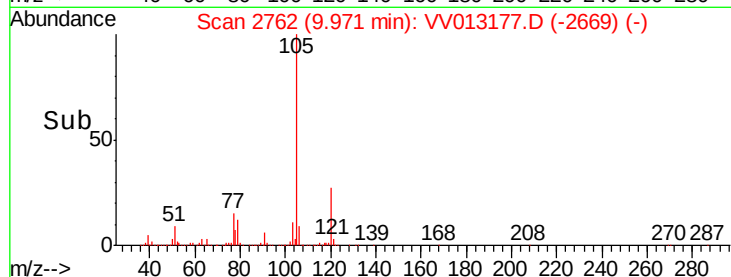
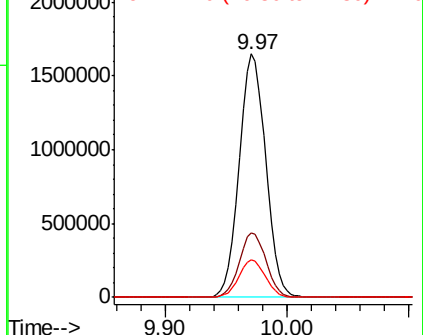
77 15.2 12.4 18.6



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: 11.275 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

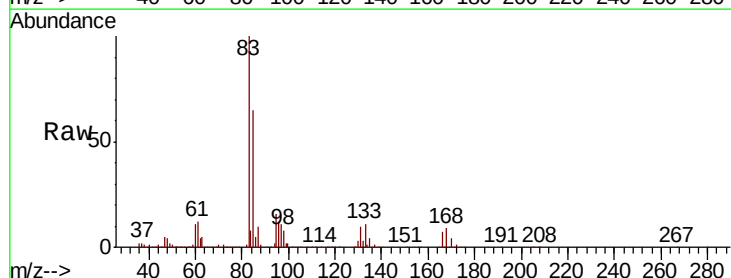
Tgt Ion: 83 Resp: 420808

Ion	Ratio	Lower	Upper
83	100		
85	65.4	44.6	82.8
131	10.2	8.3	12.5

83 100

85 65.4 44.6 82.8

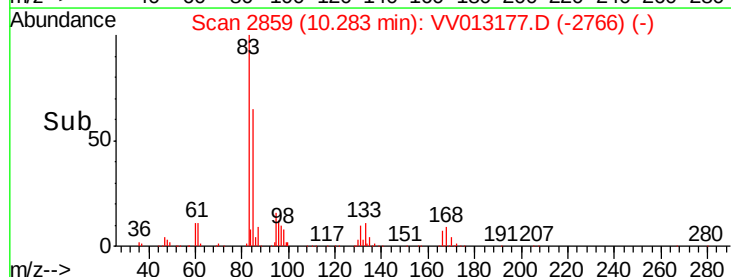
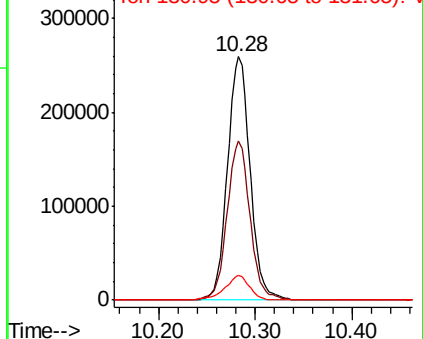
131 10.2 8.3 12.5

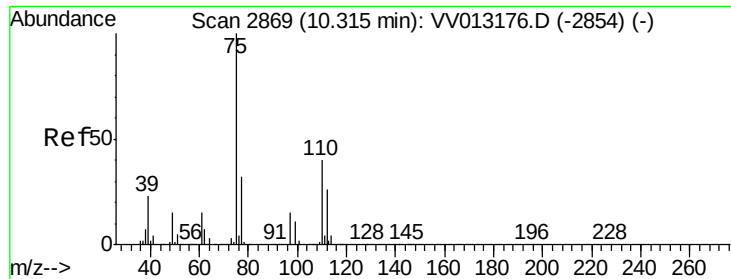


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 11.586 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

Instrument :

MSVOA_V

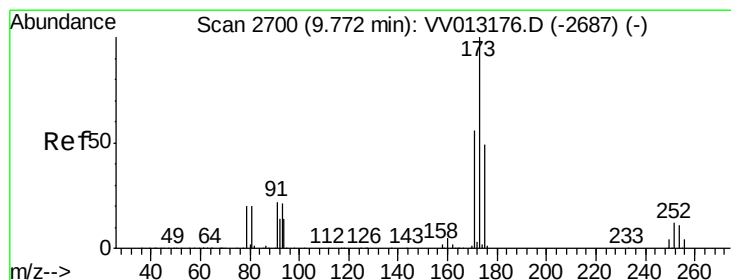
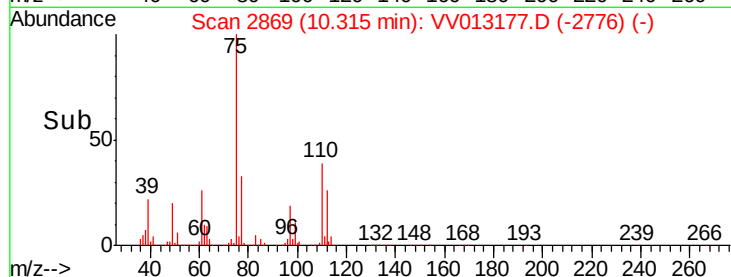
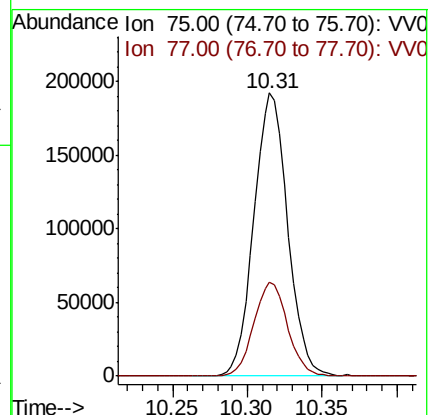
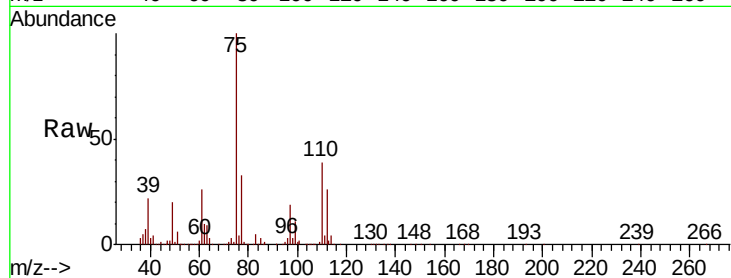
ClientSampleId :

Tot Ion: 75 Resp: 302018

Ion Ratio Lower Upper

75 100

77 32.8 26.0 39.0



#61

Bromoform

Concen: 10.795 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

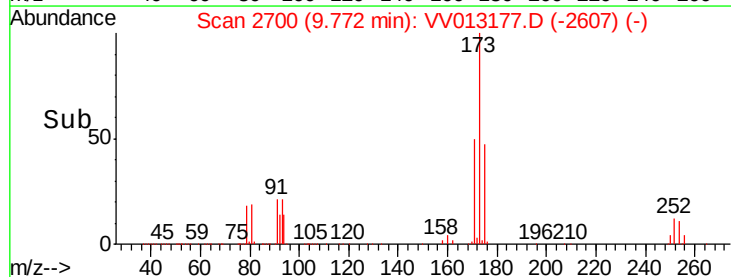
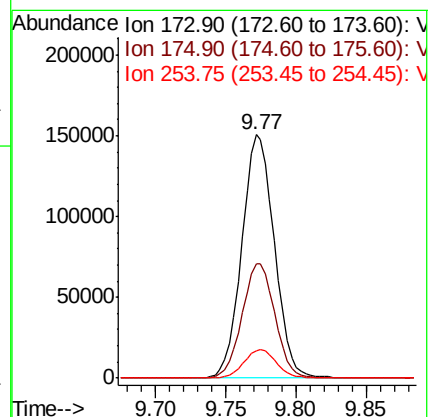
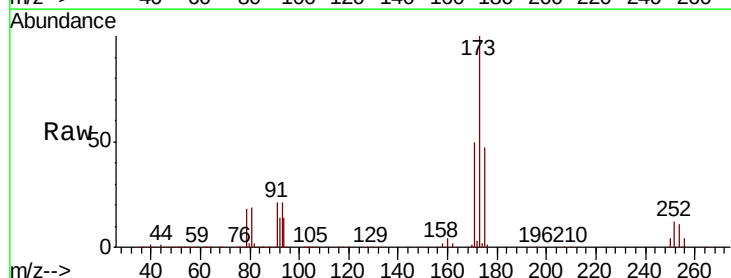
Tgt Ion: 173 Resp: 243528

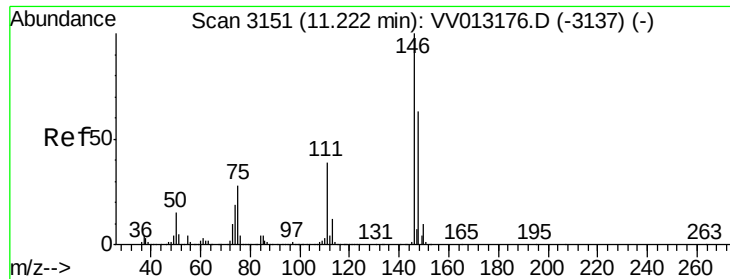
Ion Ratio Lower Upper

173 100

175 47.8 39.1 58.7

254 11.8 9.4 14.2



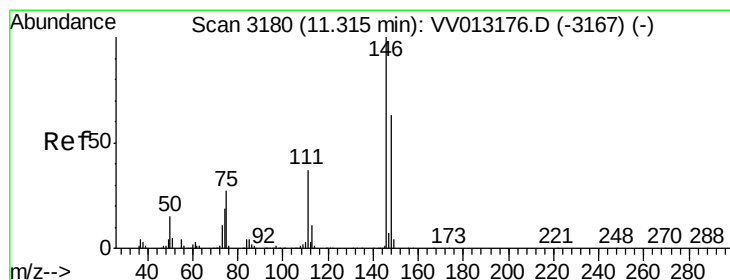
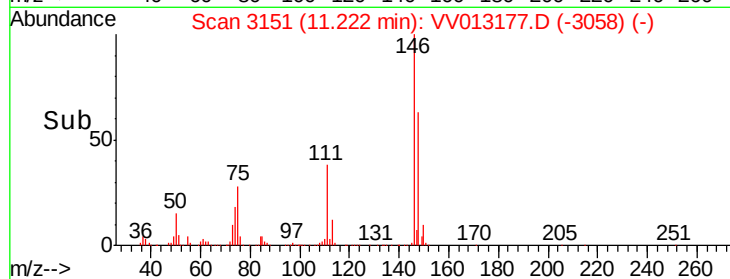
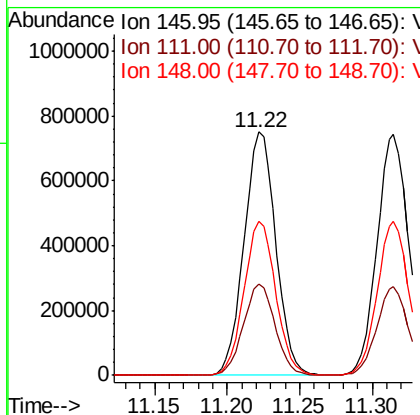
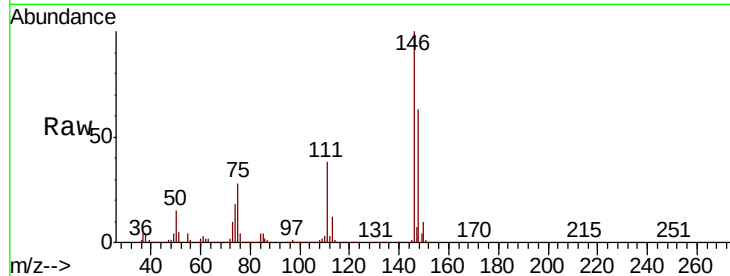


#62
 1,3-Dichlorobenzene
 Concen: 11.448 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 1145420

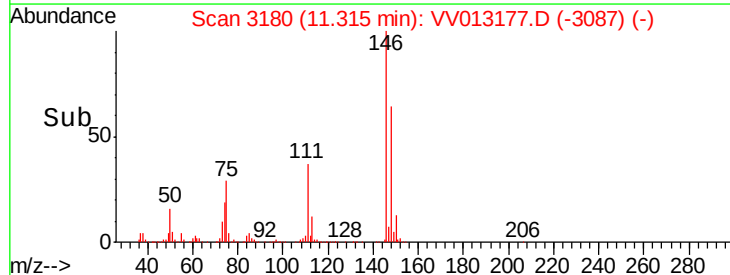
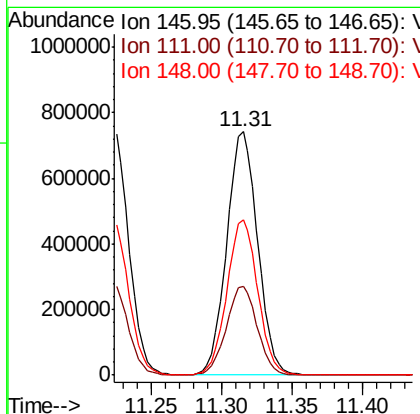
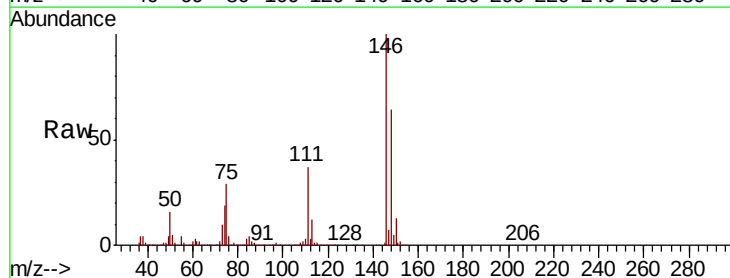
Ion	Ratio	Lower	Upper
146	100		
111	37.6	27.1	50.3
148	63.2	44.4	82.5

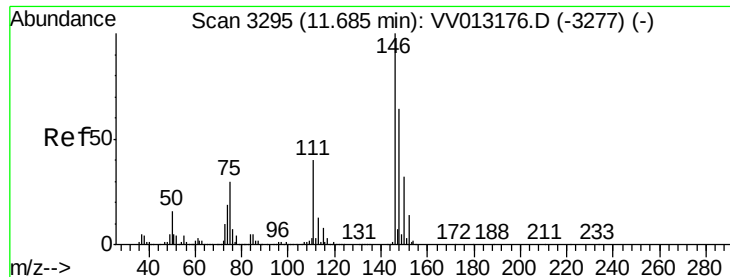


#63
 1,4-Dichlorobenzene
 Concen: 11.164 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion:146 Resp: 1132769

Ion	Ratio	Lower	Upper
146	100		
111	36.7	25.7	47.7
148	63.9	44.4	82.5

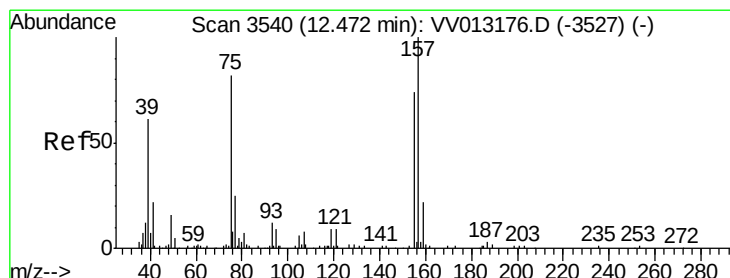
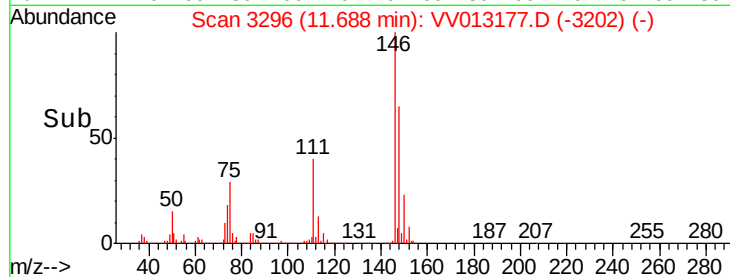
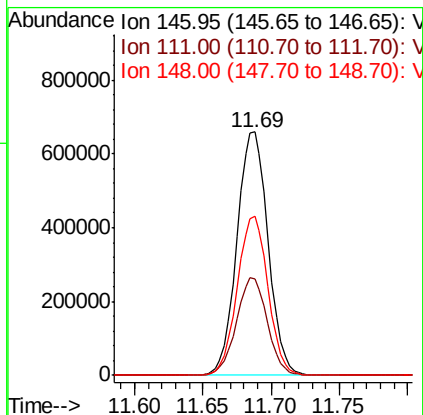
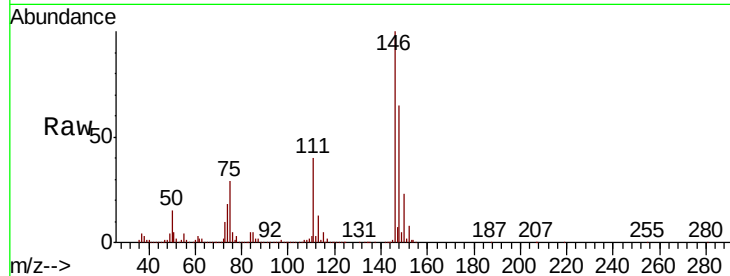




#65
 1,2-Dichlorobenzene
 Concen: 10.776 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

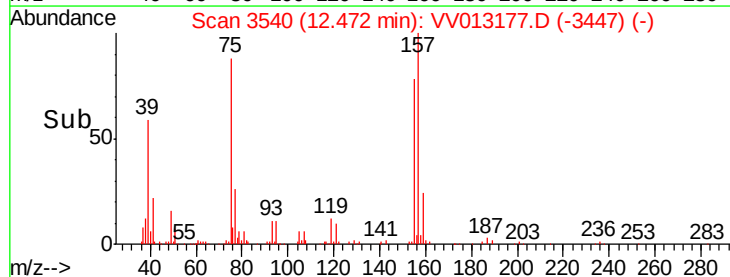
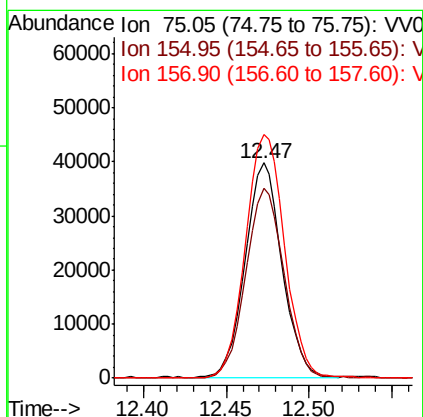
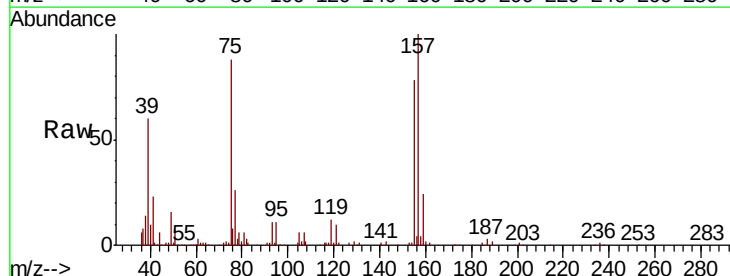
Instrument :
 MSVOA_V
 ClientSampled :

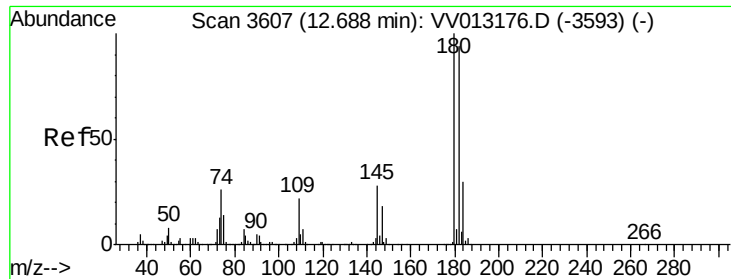
Tot Ion:146 Resp: 1044371
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.9 47.9
 148 65.2 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.345 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion: 75 Resp: 60909
 Ion Ratio Lower Upper
 75 100
 155 88.4 71.9 107.9
 157 113.3 97.3 145.9

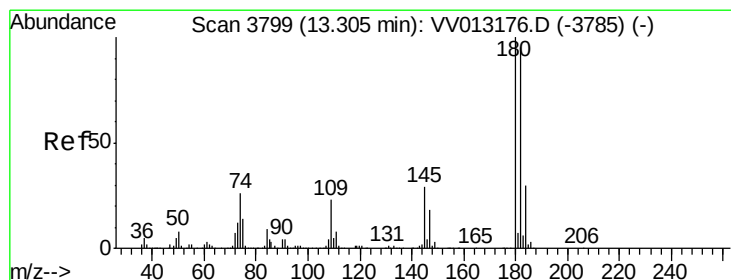
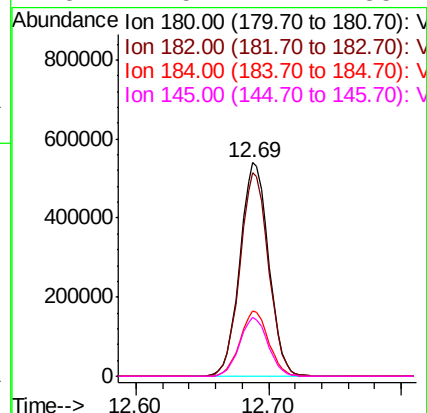
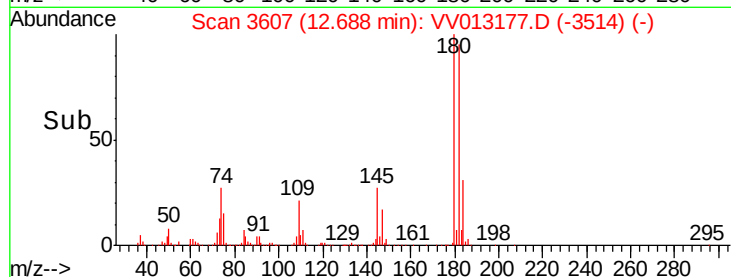
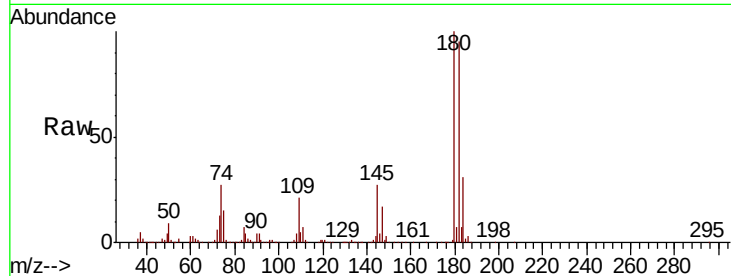




#67
 1,3,5-Trichlorobenzene
 Concen: 10.639 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

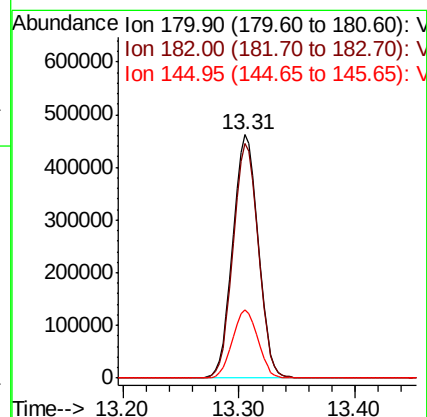
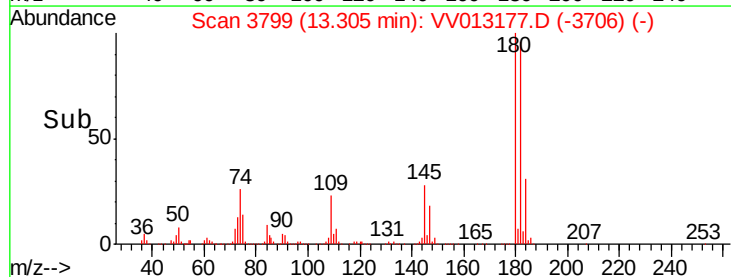
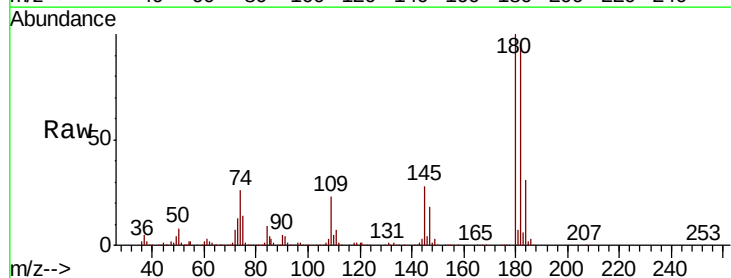
Instrument :
 MSVOA_V
 ClientSampled :

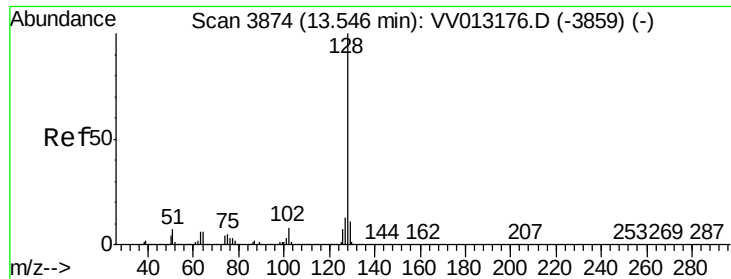
Tot Ion:180	Resp:	811183
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.8 113.6
184	30.4	24.2 36.4
145	27.5	22.1 33.1



#68
 1,2,4-trichlorobenzene
 Concen: 11.227 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013177.D
 Acq: 17 Oct 2019 17:33

Tgt Ion:180	Resp:	696892
Ion Ratio	Lower	Upper
180	100	
182	95.6	75.9 113.9
145	28.1	22.4 33.6





#69

Naphthalene

Concen: 12.009 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

Instrument :

MSVOA_V

ClientSampleId :

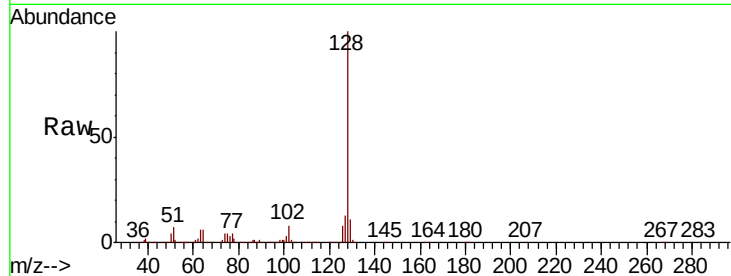
Tot Ion:128 Resp: 1117262

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

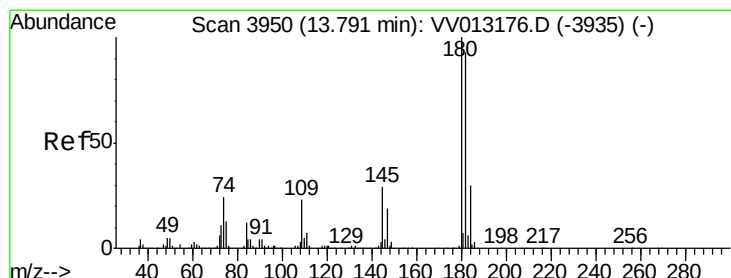
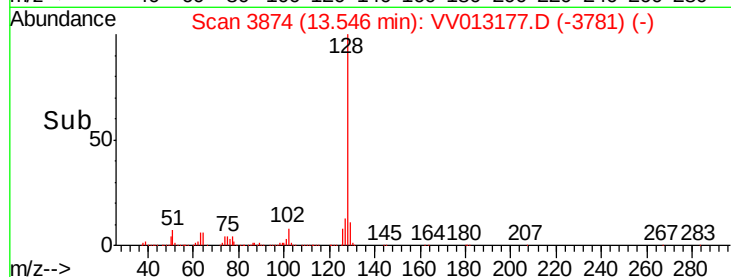
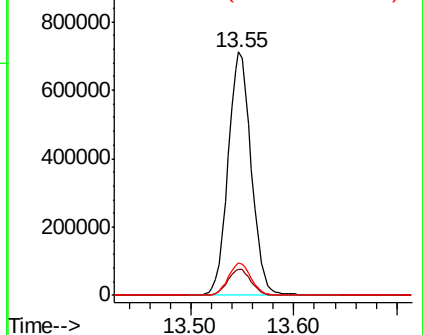
127 13.1 10.4 15.6



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: 11.168 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV013177.D

Acq: 17 Oct 2019 17:33

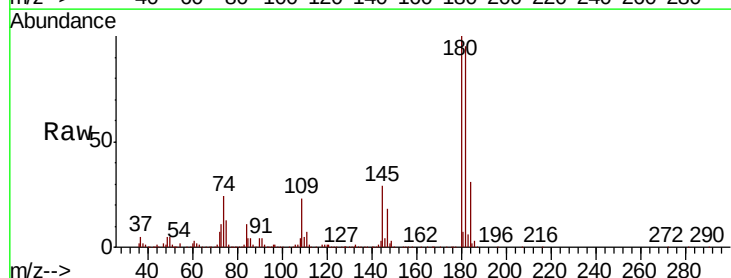
Tgt Ion:180 Resp: 678090

Ion Ratio Lower Upper

180 100

182 95.2 76.5 114.7

145 29.2 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

