

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013811.D
 Acq On : 27 Nov 2019 01:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:14:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	349741	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	327390	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	178161	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77908	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.58	69	76350	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.13	63	154900	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.00%
20) 2-Butanone-d5	3.96	46	262459	58.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.64%
24) Chloroform-d	4.40	84	176546	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	5.08	65	101944	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.09	84	367253	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.11	67	113017	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.80%
41) Toluene-d8	7.36	98	326024	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	7.66	79	42733	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	212001	58.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.32%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	91340	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	140874	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	121360	5.210	ug/L	96
3) Chloromethane	1.25	50	101448	4.959	ug/L	99
5) Vinyl chloride	1.32	62	112858	5.401	ug/L	99
6) Bromomethane	1.53	94	45782	4.161	ug/L	97
8) Chloroethane	1.60	64	71432	5.673	ug/L	99
9) Trichlorofluoromethane	1.77	101	176954	5.454	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	100795	5.228	ug/L	98
12) 1,1-Dichloroethene	2.14	96	92025	5.473	ug/L	86
13) Acetone	2.22	43	174066	55.314	ug/L #	55
14) Carbon disulfide	2.31	76	202673	5.221	ug/L	98
15) Methyl Acetate	2.47	43	44370	6.298	ug/L	95
16) Methylene chloride	2.53	84	113999	4.949	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	264503	5.748	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	103131	5.431	ug/L	98
19) 1,1-Dichloroethane	3.23	63	212171	5.597	ug/L	97
21) 2-Butanone	4.04	43	303988	63.909	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	121009	5.435	ug/L	99

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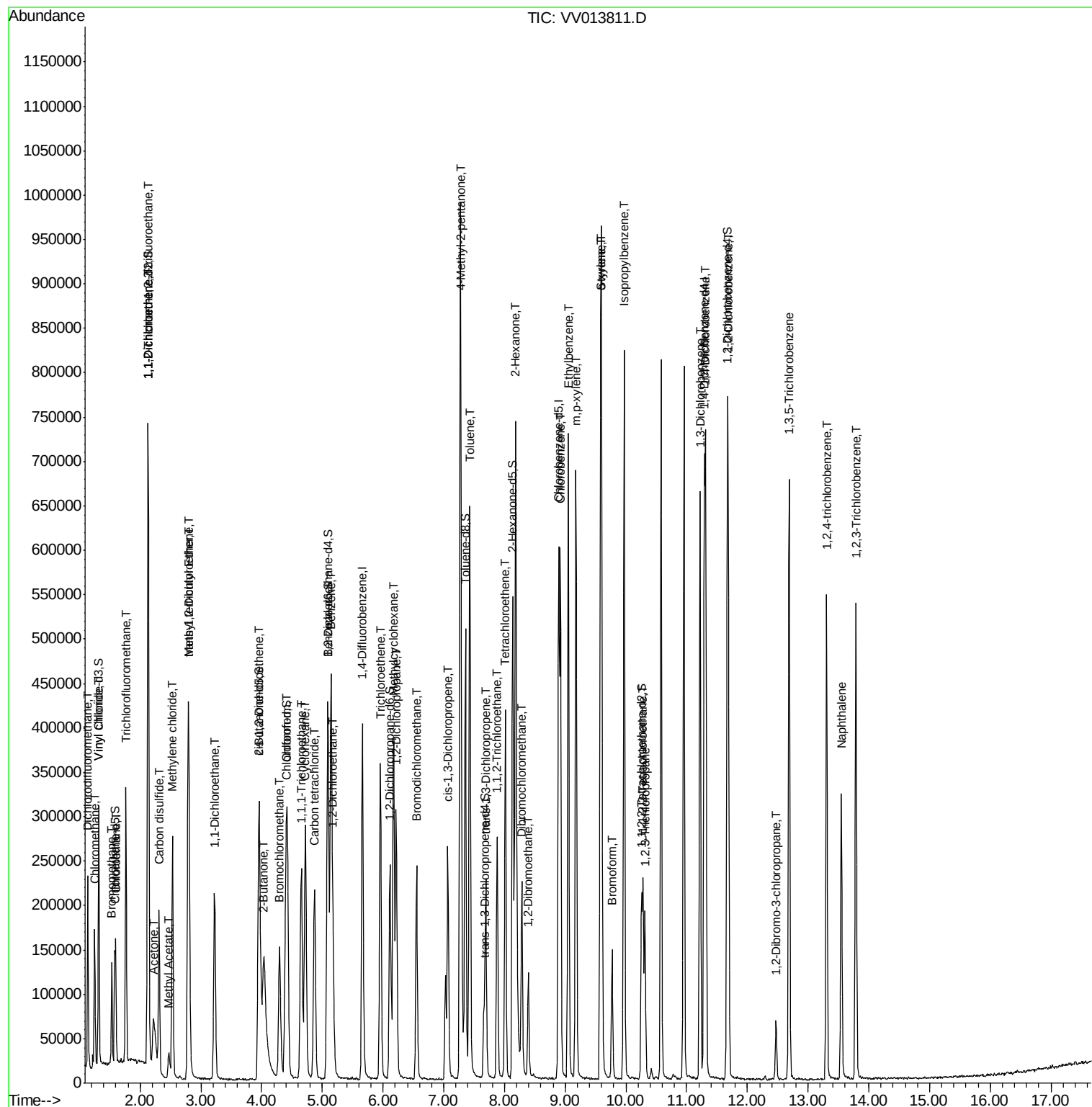
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	58743	6.004	ug/L	99
25) Chloroform	4.42	83	259557	6.459	ug/L	99
27) 1,2-Dichloroethane	5.18	62	133485	5.804	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	188454	5.627	ug/L	100
30) Cyclohexane	4.72	56	143684	5.135	ug/L	98
31) Carbon tetrachloride	4.87	117	163002	5.532	ug/L	98
33) Benzene	5.14	78	446763	5.563	ug/L	100
34) Trichloroethene	5.96	95	119764	5.406	ug/L	96
35) Methylcyclohexane	6.17	83	147725	4.997	ug/L	96
37) 1,2-Dichloropropane	6.22	63	116164	5.628	ug/L	98
38) Bromodichloromethane	6.55	83	159508	5.857	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	155270	5.302	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	732508	60.824	ug/L	99
42) Toluene	7.43	91	469860	5.454	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	122642	5.350	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	84257	5.728	ug/L	98
47) Tetrachloroethene	8.02	164	103959	5.404	ug/L	94
48) 2-Hexanone	8.18	43	535106	62.249	ug/L	96
49) Dibromochloromethane	8.29	129	107632	5.705	ug/L	99
50) 1,2-Dibromoethane	8.39	107	78217	5.872	ug/L	96
51) Chlorobenzene	8.92	112	314269	5.244	ug/L	98
52) Ethylbenzene	9.05	91	498166	5.324	ug/L	98
53) m,p-xylene	9.18	106	190337	5.335	ug/L	100
54) o-xylene	9.58	106	189477	5.441	ug/L	98
55) Styrene	9.60	104	336297	5.593	ug/L	100
56) Isopropylbenzene	9.97	105	513771	5.413	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	99462	6.154	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	75692	5.974	ug/L	98
61) Bromoform	9.77	173	66004	5.887	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	280863	5.426	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	282208	5.357	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	262304	5.461	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	15890	5.692	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	225535	5.159	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	184778	5.154	ug/L	100
69) Naphthalene	13.55	128	255303	5.229	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	182124	5.576	ug/L	98

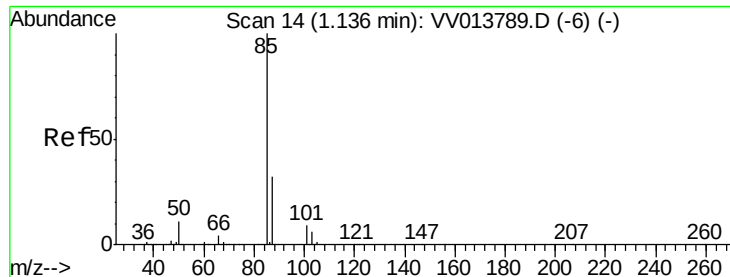
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.210 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

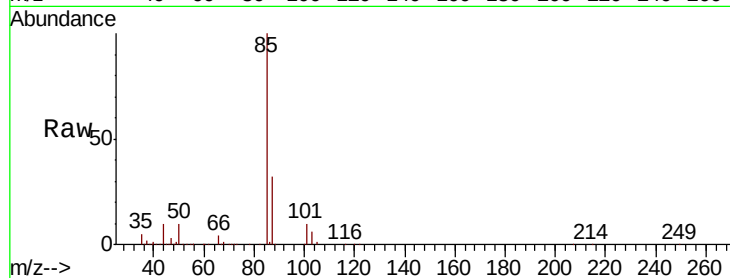
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 121360

Ion Ratio Lower Upper

85 100

87 32.2 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV013789.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV013789.D (-6) (-)

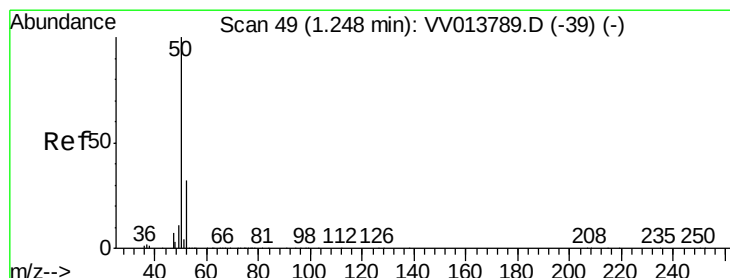
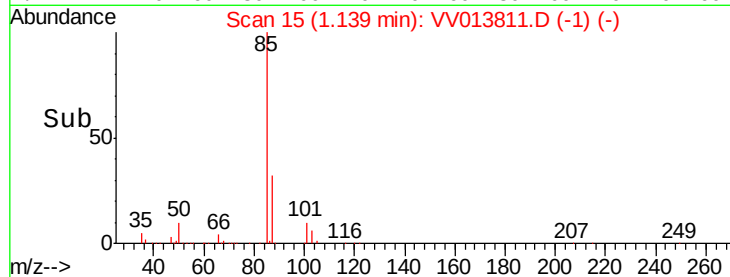
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.959 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013811.D

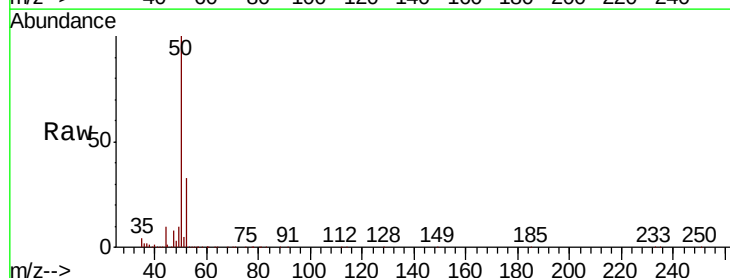
Acq: 27 Nov 2019 01:39

Tgt Ion: 50 Resp: 101448

Ion Ratio Lower Upper

50 100

52 32.5 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV013789.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV013789.D (-39) (-)

1.25

100000

80000

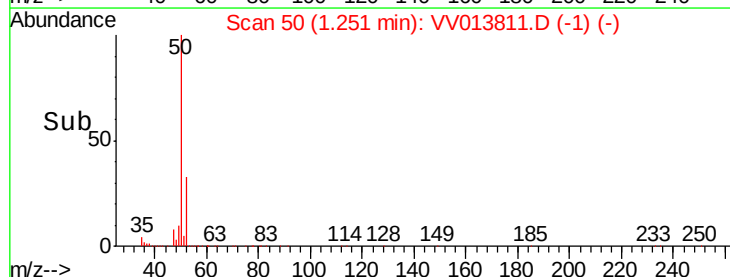
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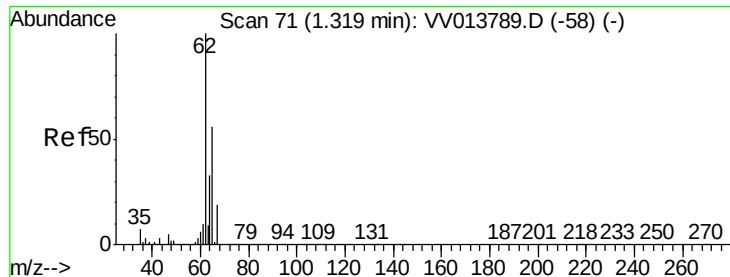
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 5.401 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

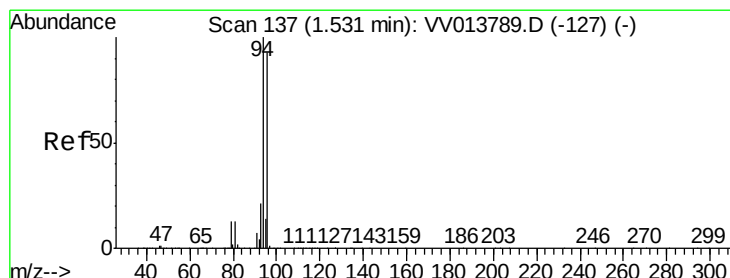
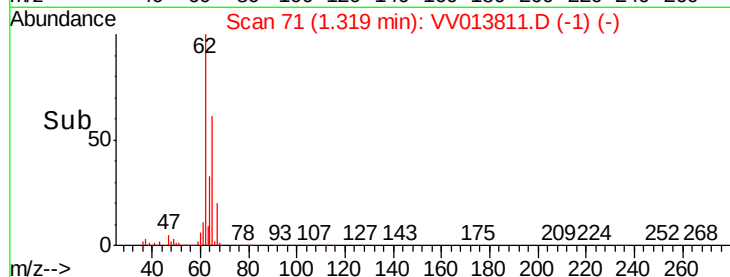
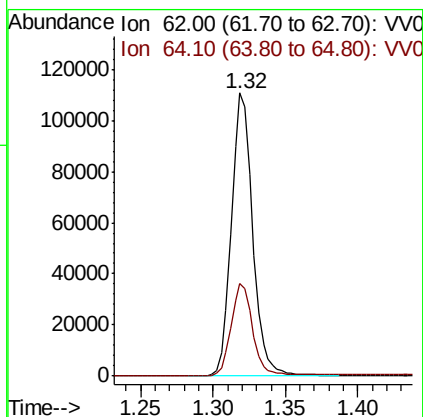
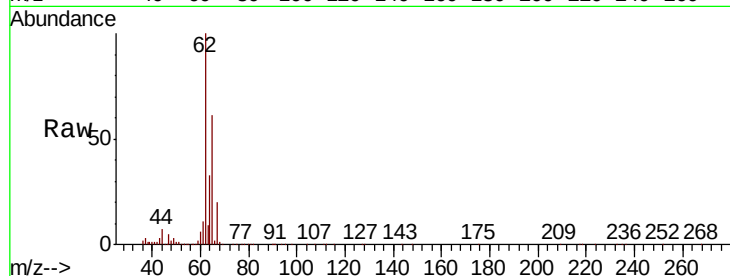
ClientSampleId :

Tot Ion: 62 Resp: 112858

Ion Ratio Lower Upper

62 100

64 32.9 23.3 43.3



#6

Bromomethane

Concen: 4.161 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013811.D

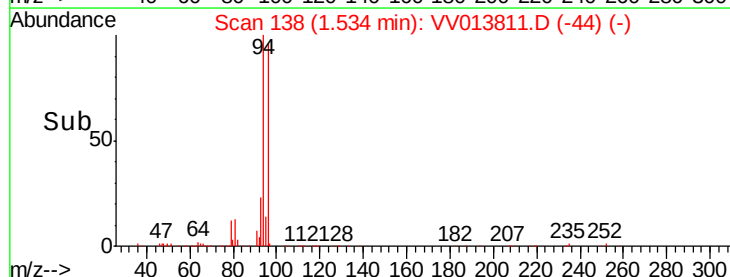
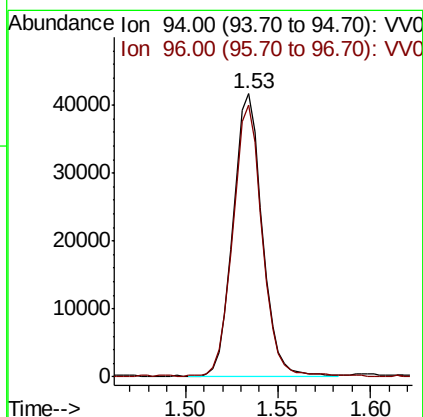
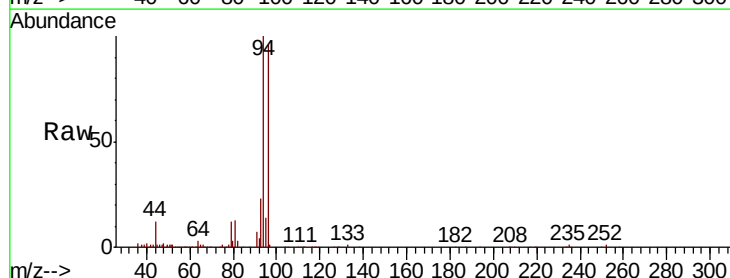
Acq: 27 Nov 2019 01:39

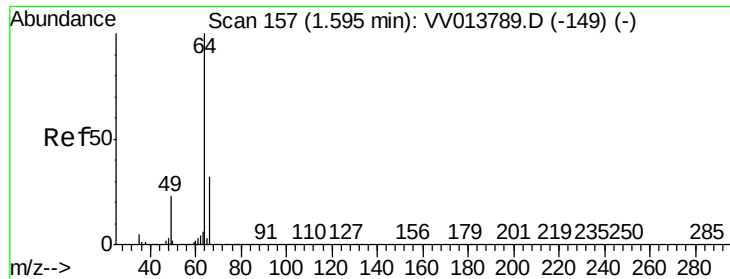
Tgt Ion: 94 Resp: 45782

Ion Ratio Lower Upper

94 100

96 96.1 65.2 121.0

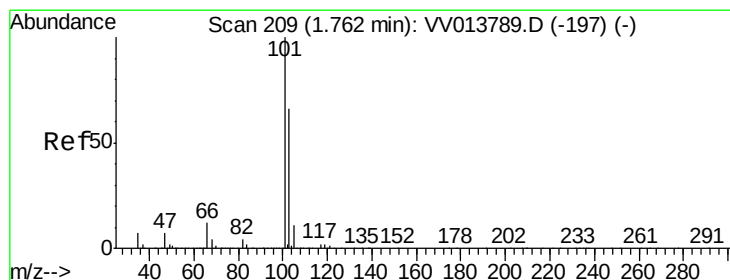
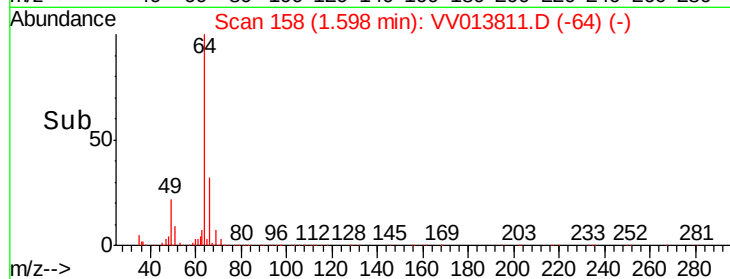
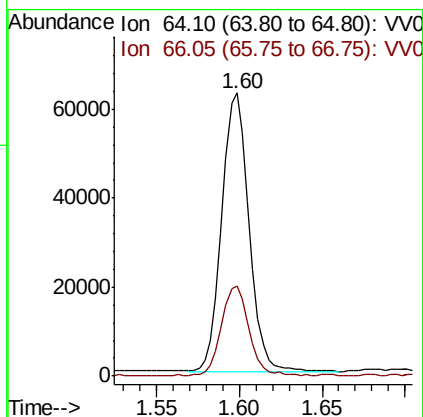
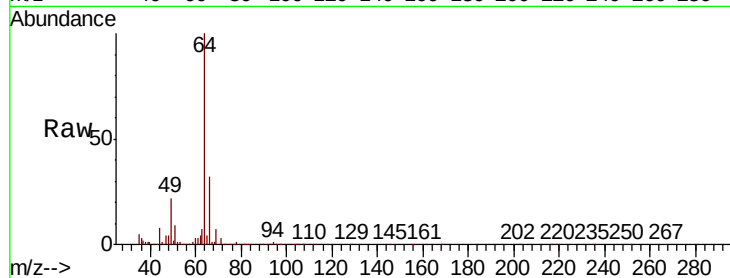




#8
Chloroethane
Concen: 5.673 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

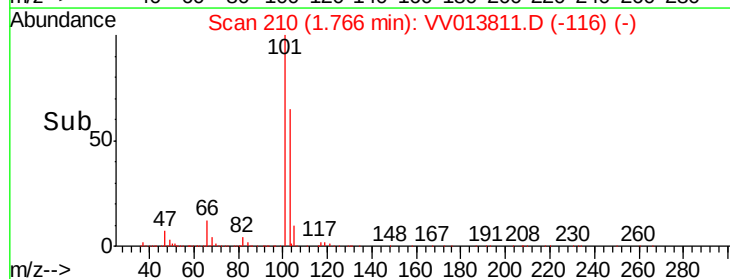
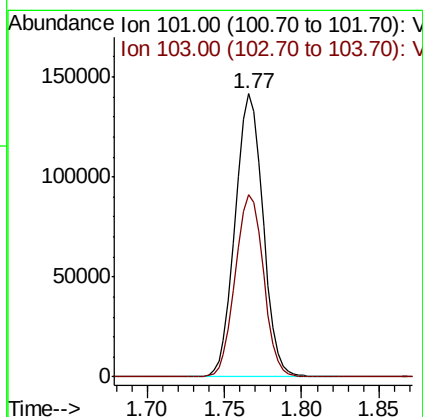
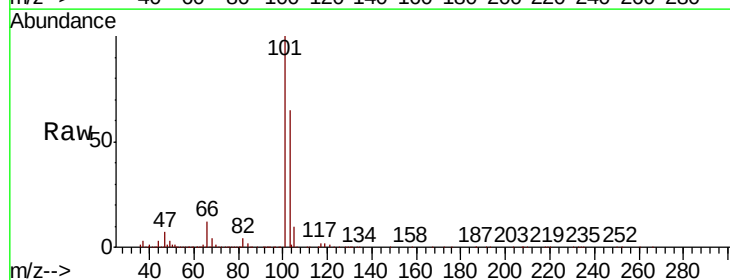
Instrument :
MSVOA_V
ClientSampleId :

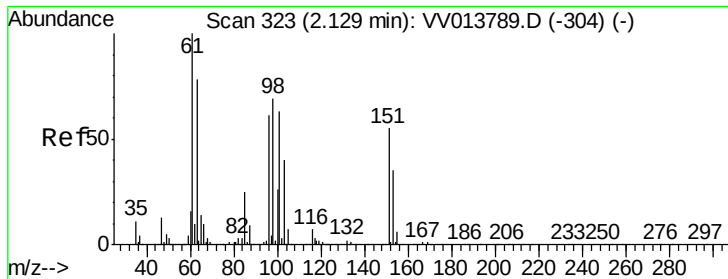
Tot Ion: 64 Resp: 71432
Ion Ratio Lower Upper
64 100
66 31.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.454 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

Tgt Ion: 101 Resp: 176954
Ion Ratio Lower Upper
101 100
103 65.4 52.9 79.3





#10

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

Concen: 5.228 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

ClientSampleId :

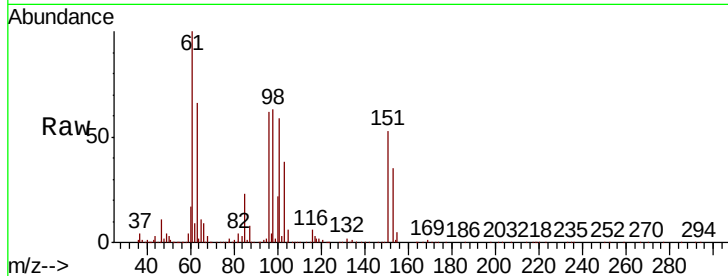
Tot Ion:101 Resp: 100795

Ion Ratio Lower Upper

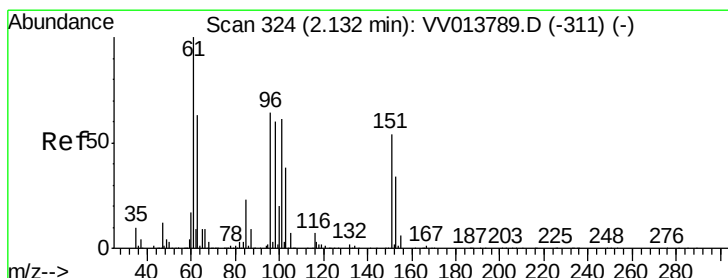
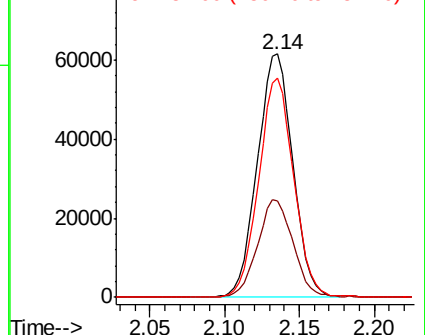
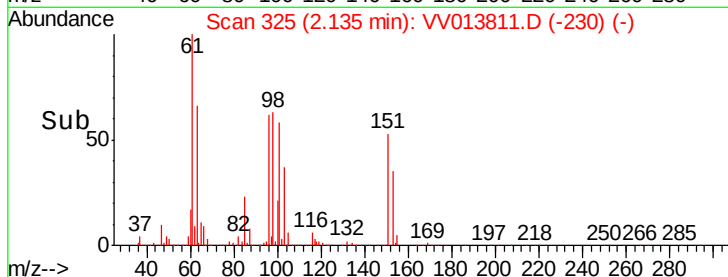
101 100

85 40.7 33.4 50.0

151 89.3 69.4 104.0



Abundance Ion 101.00 (100.70 to 101.70): VV013811.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 5.473 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

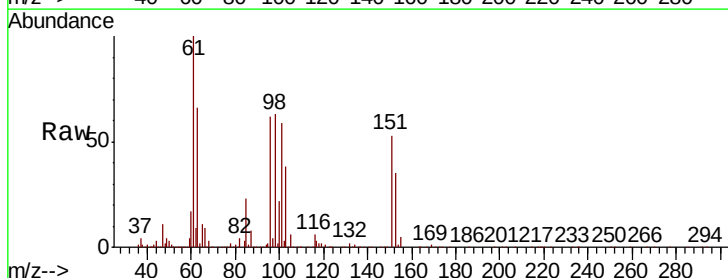
Tgt Ion: 96 Resp: 92025

Ion Ratio Lower Upper

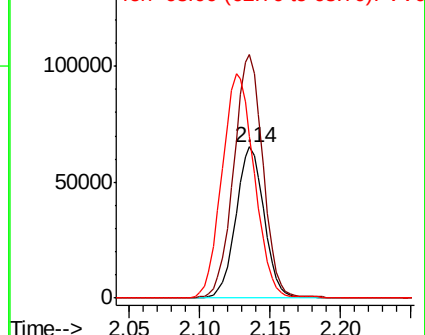
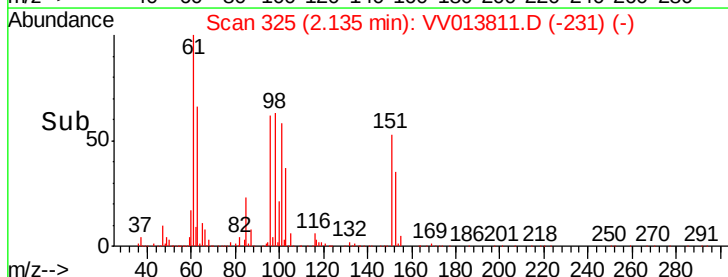
96 100

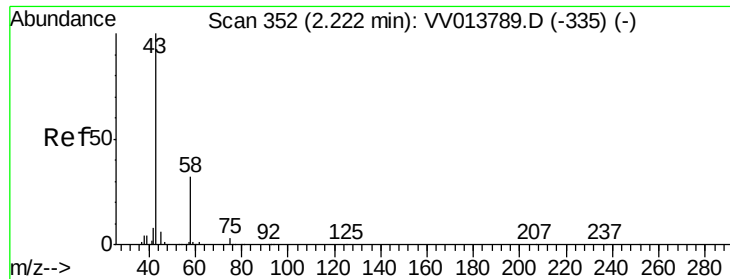
61 160.9 116.3 215.9

63 106.8 96.7 179.7



Abundance Ion 96.00 (95.70 to 96.70): VV013811.D (-231) (-)





#13

Acetone

Concen: 55.314 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

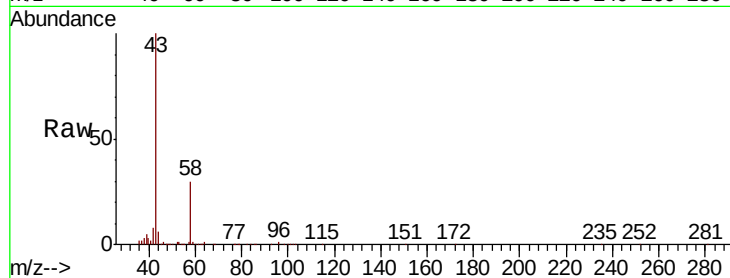
ClientSampleId :

Tot Ion: 43 Resp: 174066

Ion Ratio Lower Upper

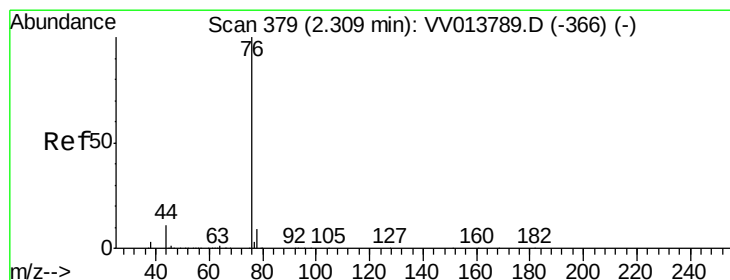
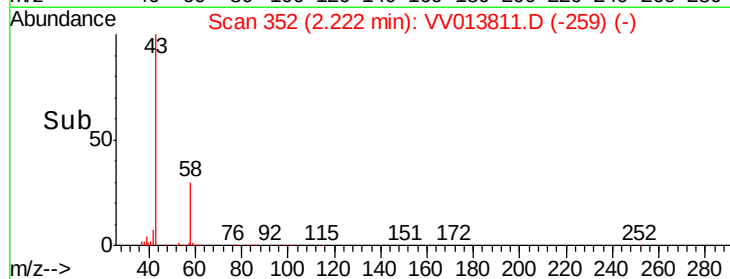
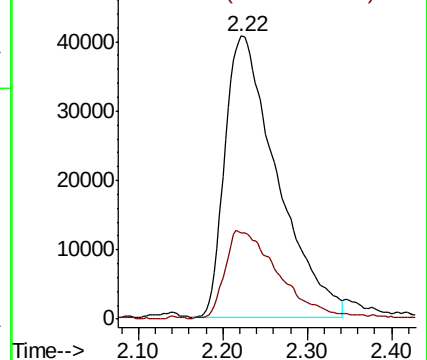
43 100

58 31.6 0.0 27.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 5.221 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013811.D

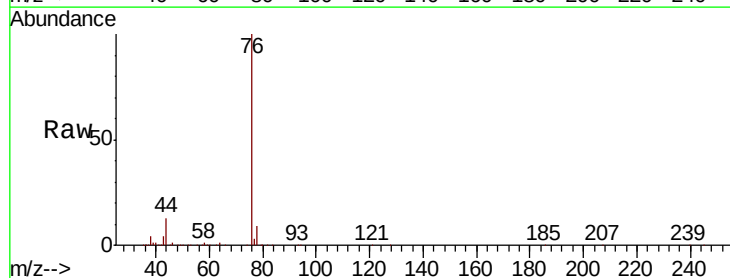
Acq: 27 Nov 2019 01:39

Tgt Ion: 76 Resp: 202673

Ion Ratio Lower Upper

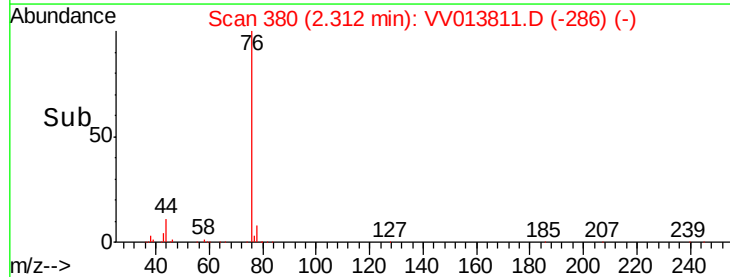
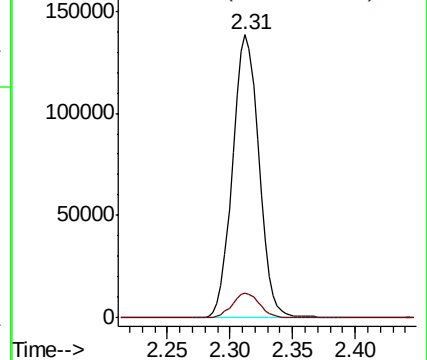
76 100

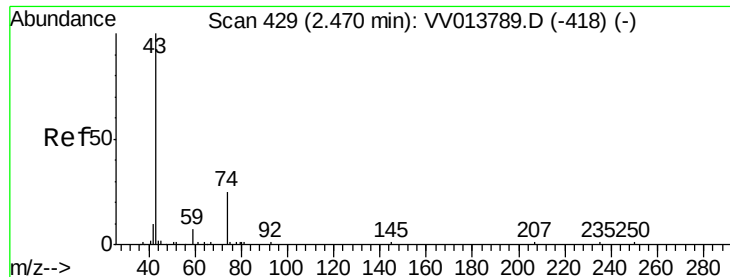
78 8.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

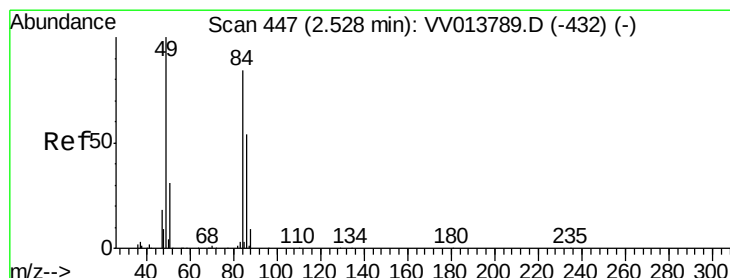
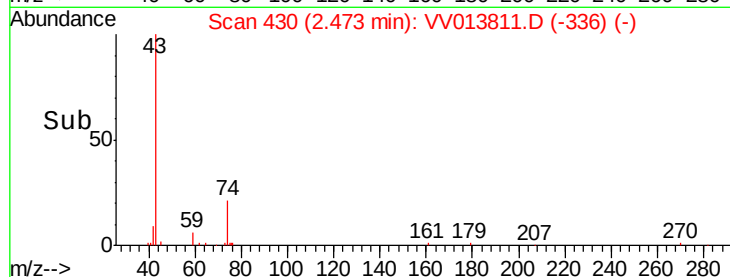
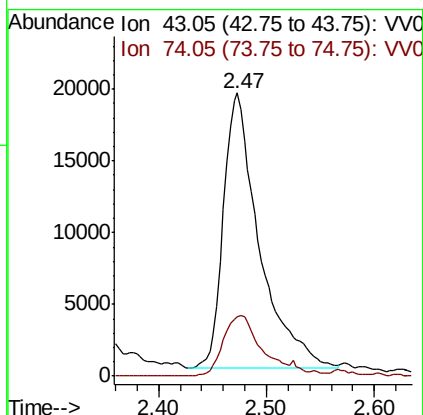
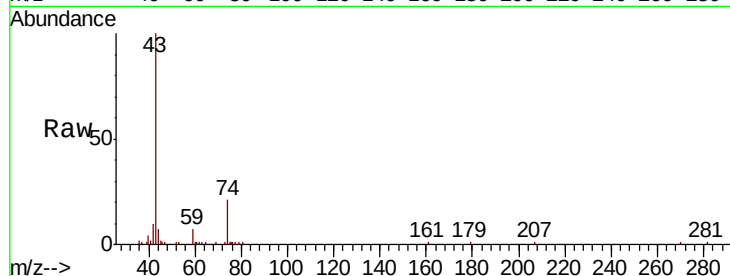




#15
Methyl Acetate
Concen: 6.298 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

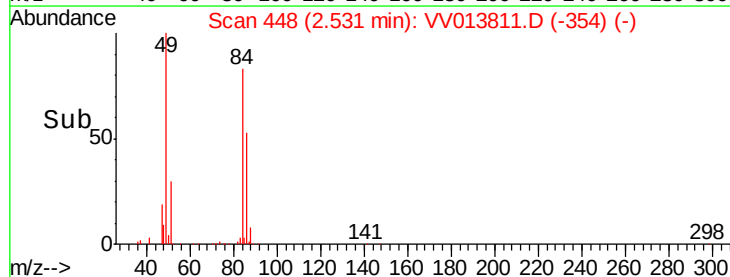
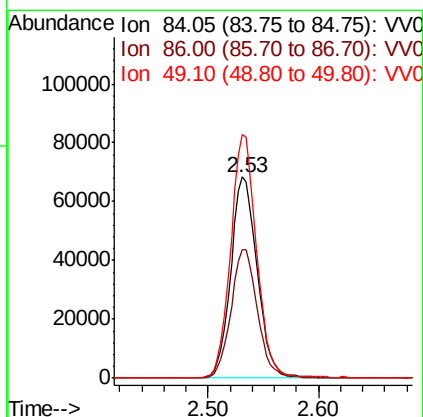
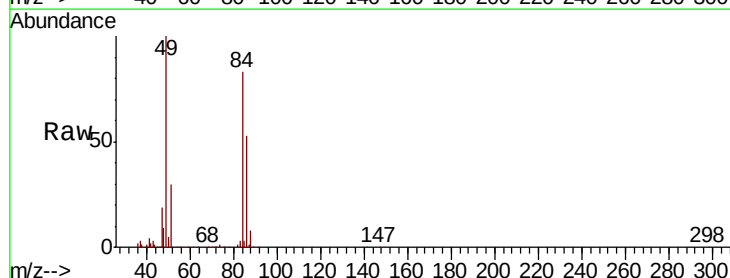
Instrument :
MSVOA_V
ClientSampleId :

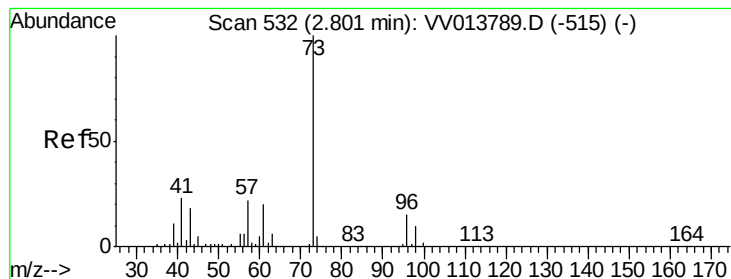
Tot Ion: 43 Resp: 44370
Ion Ratio Lower Upper
43 100
74 23.2 20.5 30.7



#16
Methylene chloride
Concen: 4.949 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

Tgt Ion: 84 Resp: 113999
Ion Ratio Lower Upper
84 100
86 64.0 44.0 81.6
49 121.1 81.5 151.5





#17

Methyl tert-butyl Ether

Concen: 5.748 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

ClientSampleId :

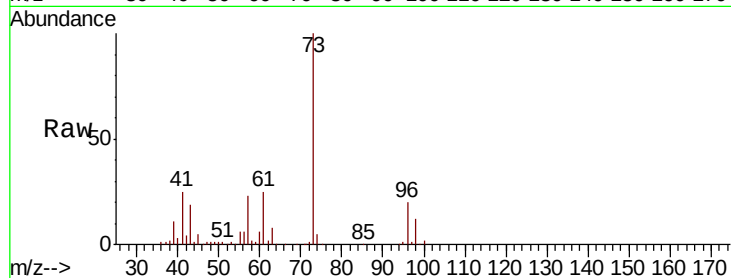
Tot Ion: 73 Resp: 264503

Ion Ratio Lower Upper

73 100

43 19.0 15.5 23.3

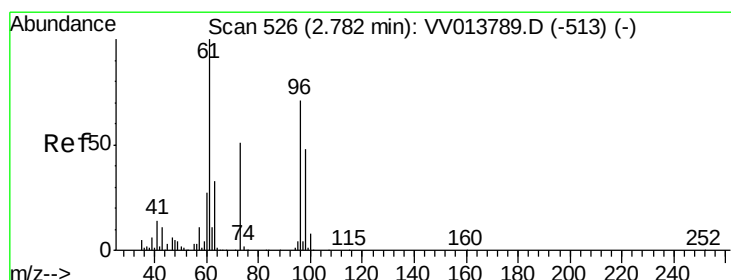
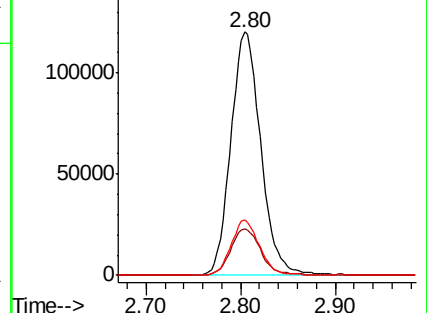
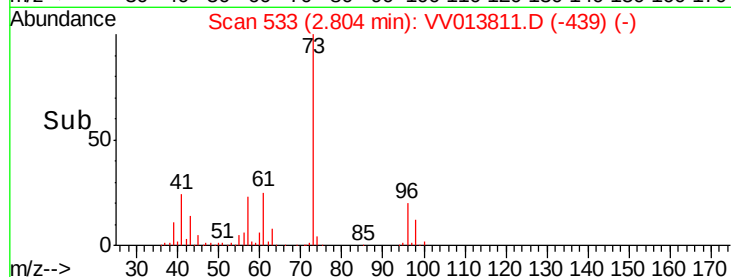
57 21.6 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV013789.D (-515) (-)

Ion 43.05 (42.75 to 43.75): VV013789.D (-515) (-)

Ion 57.10 (56.80 to 57.80): VV013789.D (-515) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.431 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

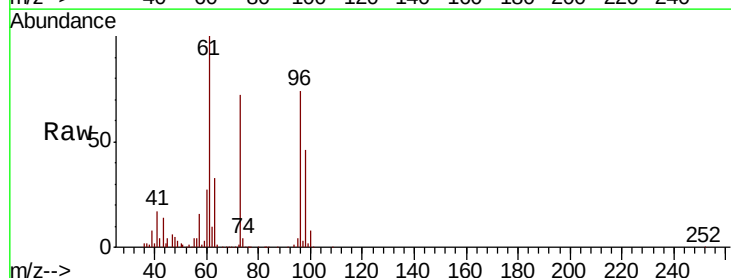
Tgt Ion: 96 Resp: 103131

Ion Ratio Lower Upper

96 100

61 135.6 95.1 176.7

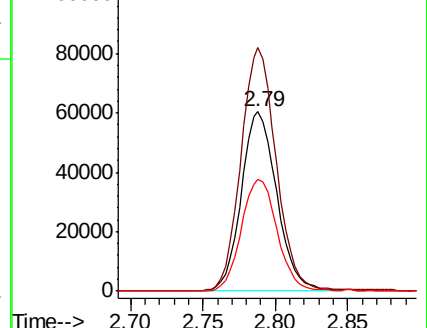
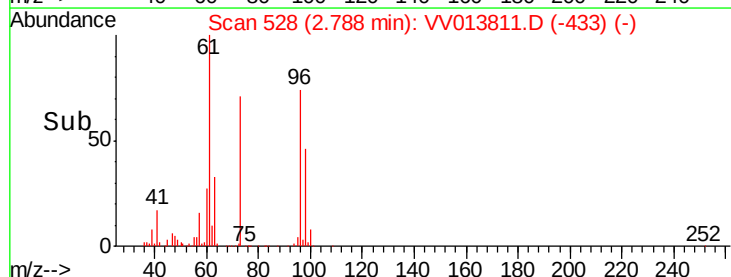
98 62.5 46.5 86.3

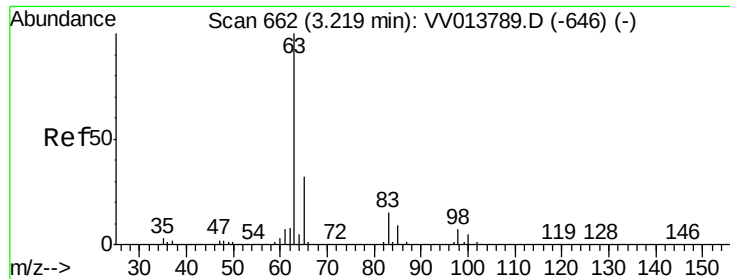


Abundance Ion 96.00 (95.70 to 96.70): VV013789.D (-513) (-)

Ion 61.05 (60.75 to 61.75): VV013789.D (-513) (-)

Ion 97.95 (97.65 to 98.65): VV013789.D (-513) (-)

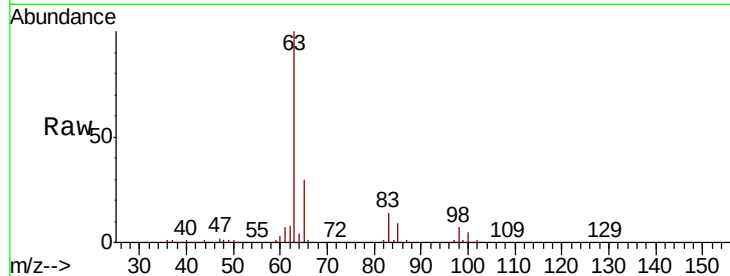




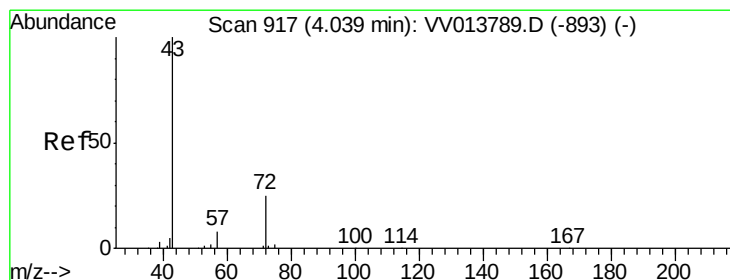
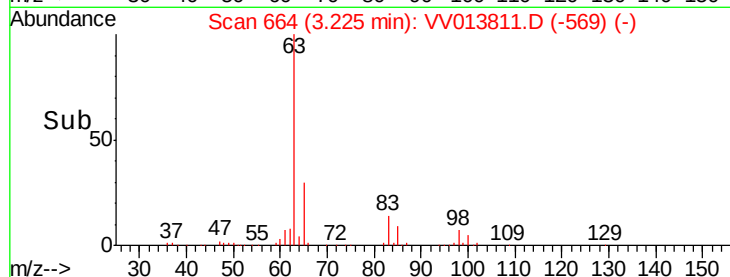
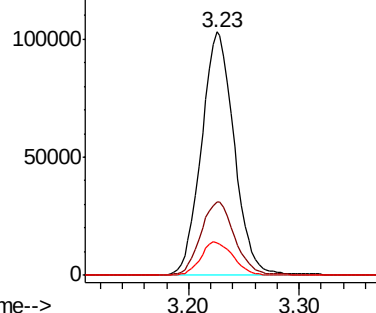
#19
 1,1-Dichloroethane
 Concen: 5.597 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.01 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 212171
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.7 42.1
 83 13.6 9.2 17.2

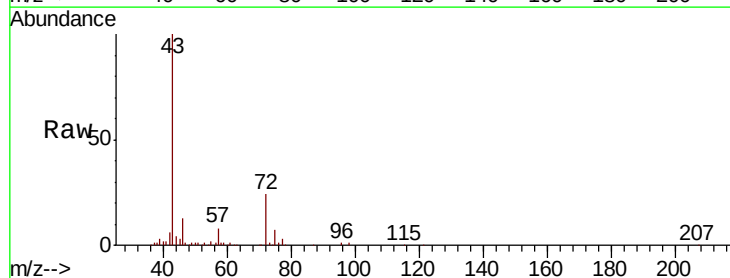


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

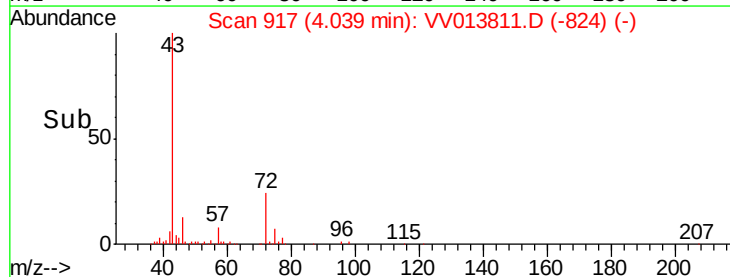
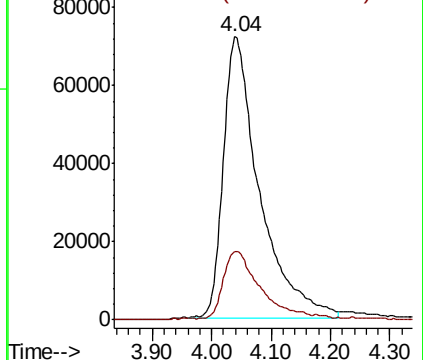


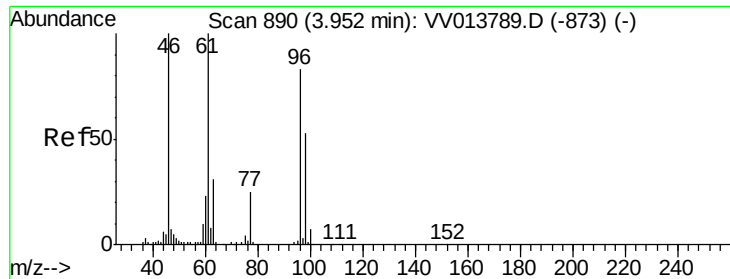
#21
 2-Butanone
 Concen: 63.909 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion: 43 Resp: 303988
 Ion Ratio Lower Upper
 43 100
 72 23.5 12.3 36.9



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0

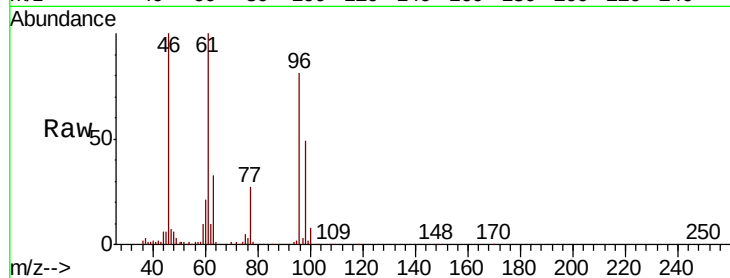




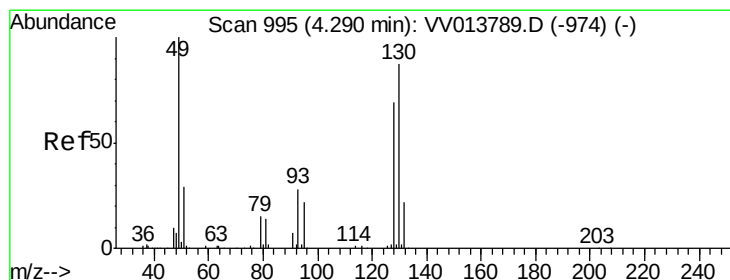
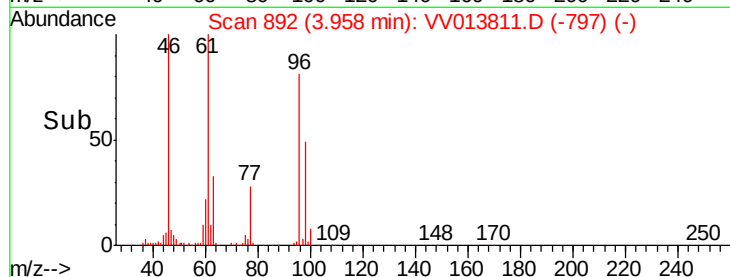
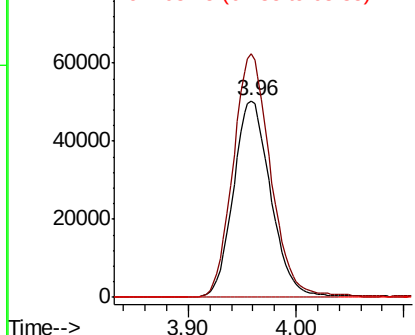
#22
 cis-1,2-Dichloroethene
 Concen: 5.435 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 121009
 Ion Ratio Lower Upper
 96 100
 61 123.7 86.1 159.9
 68 0.0 0.0 0.0

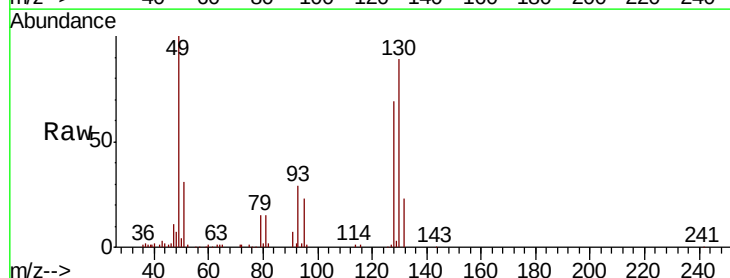


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

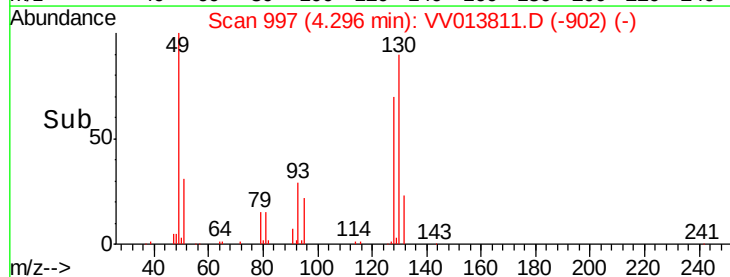
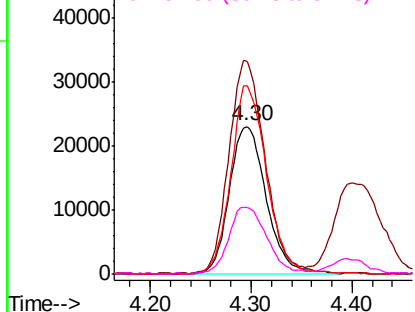


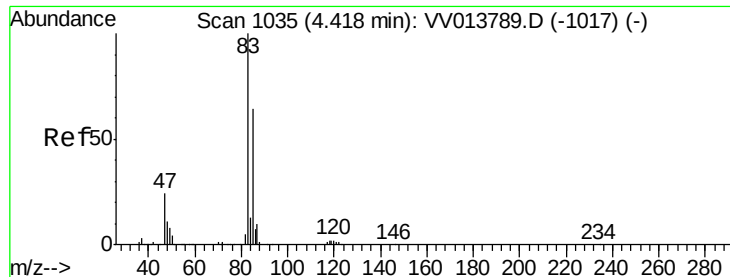
#23
 Bromochloromethane
 Concen: 6.004 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion: 128 Resp: 58743
 Ion Ratio Lower Upper
 128 100
 49 144.2 100.1 185.9
 130 127.8 89.0 165.4
 51 45.1 36.3 54.5



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

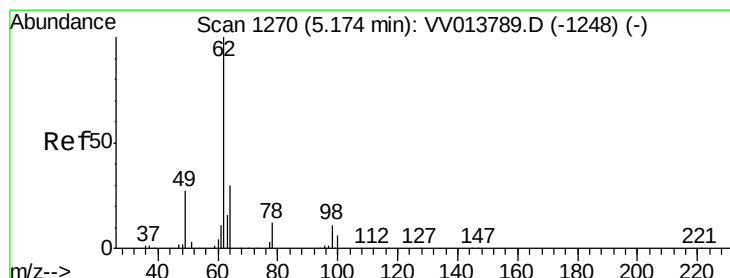
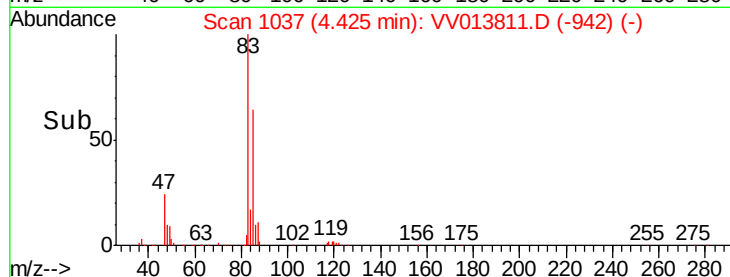
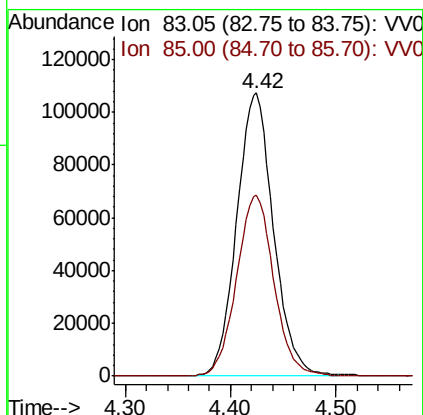
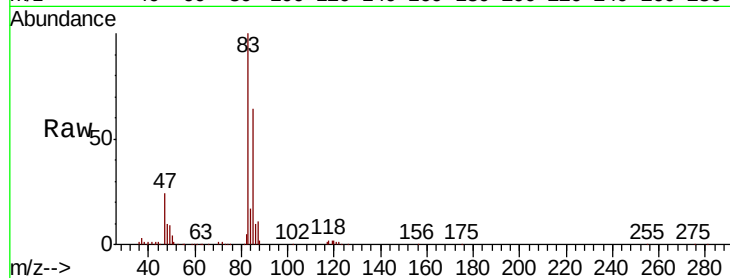




#25
Chloroform
Concen: 6.459 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

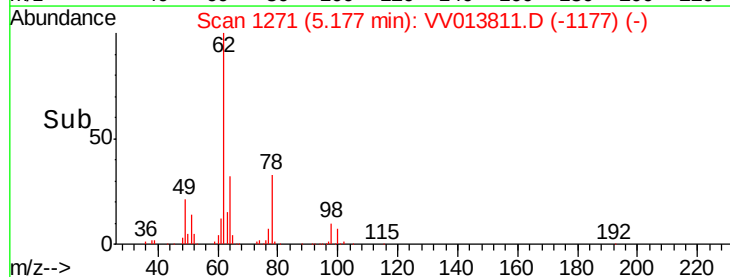
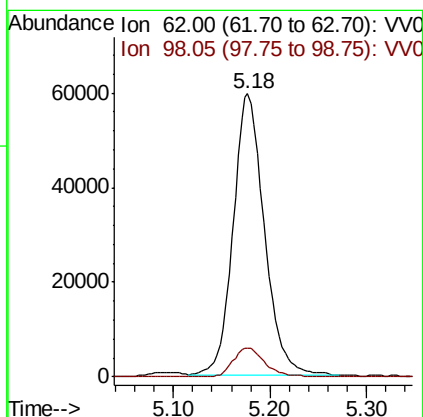
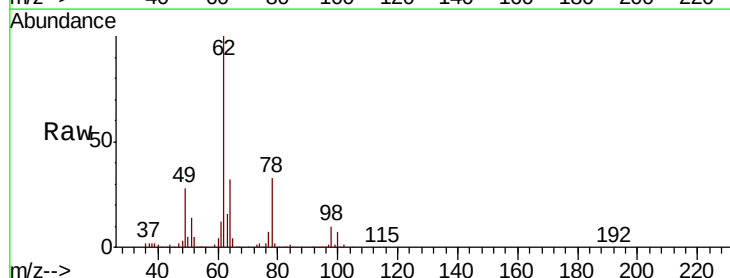
Instrument :
MSVOA_V
ClientSampled :

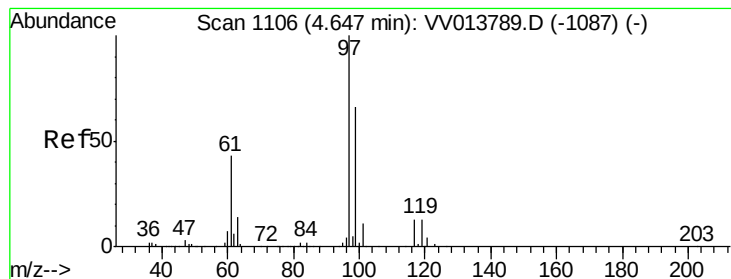
Tot Ion: 83 Resp: 259557
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.804 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

Tgt Ion: 62 Resp: 133485
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.627 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

ClientSampled :

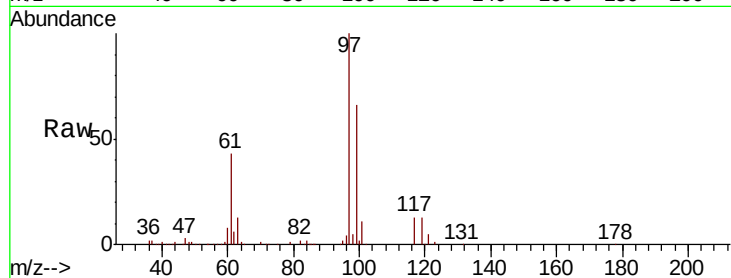
Tot Ion: 97 Resp: 188454

Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 43.7 35.0 52.6

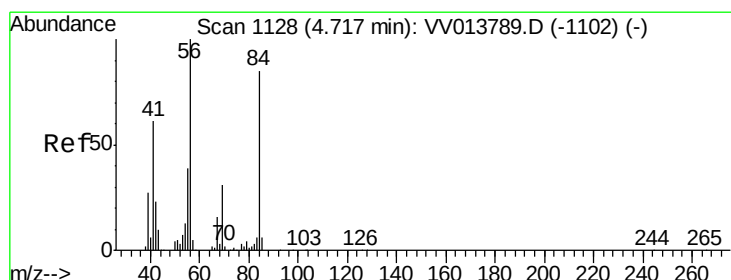
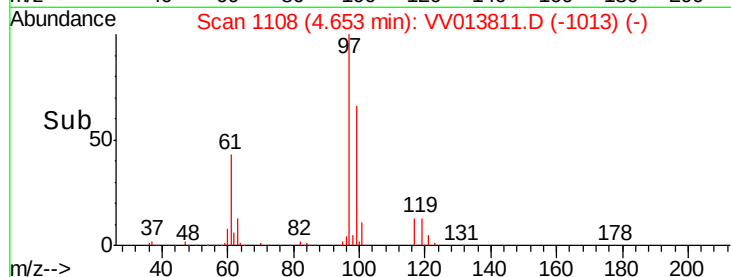
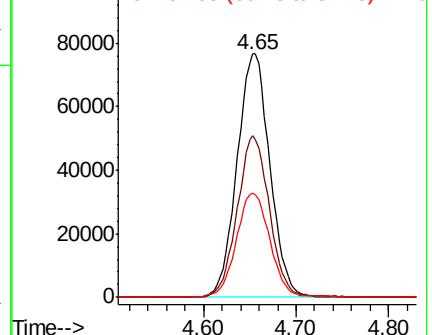


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.135 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

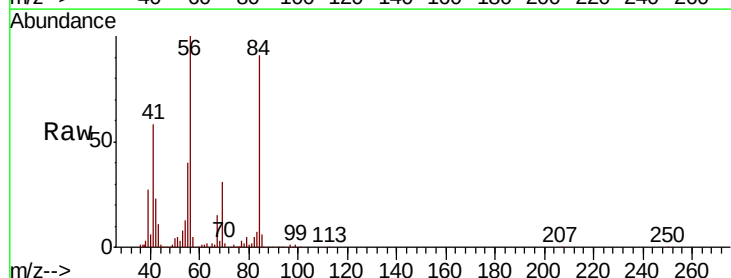
Tgt Ion: 56 Resp: 143684

Ion Ratio Lower Upper

56 100

69 31.2 24.1 36.1

84 89.5 69.9 104.9

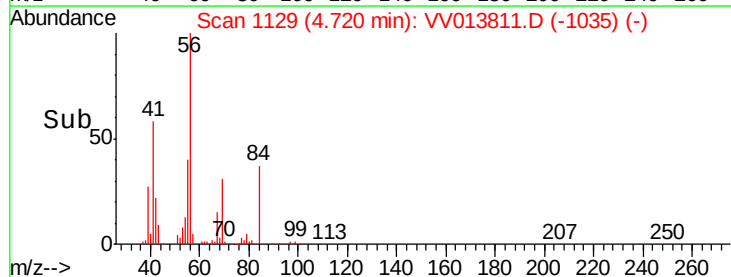
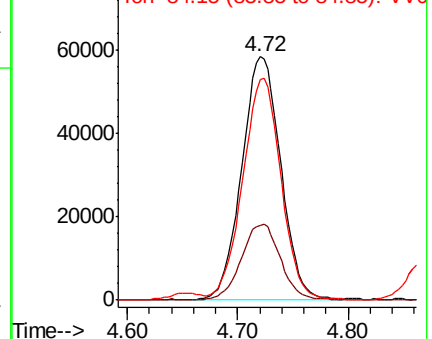


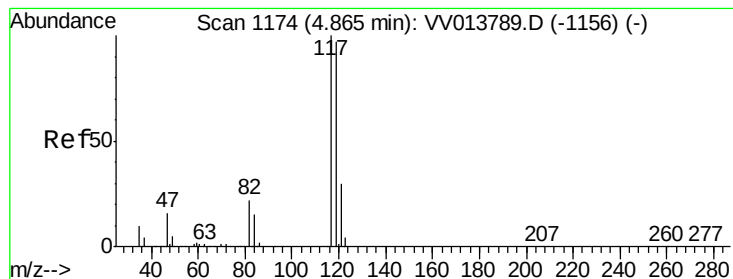
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.532 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

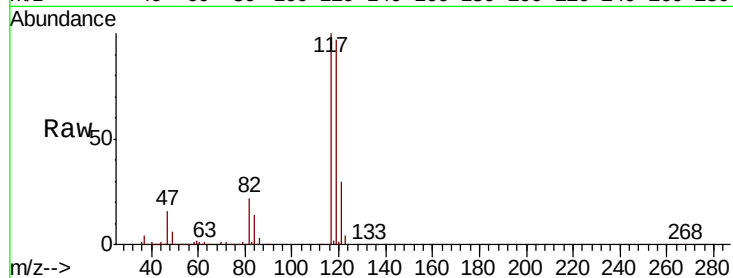
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 163002

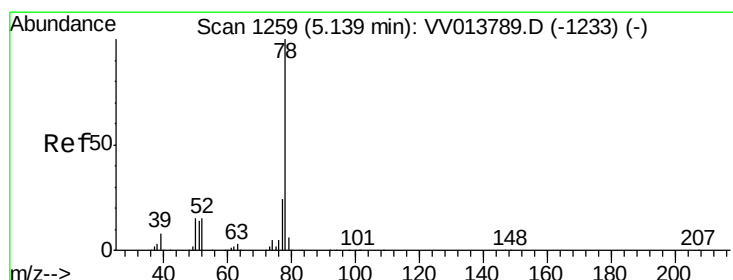
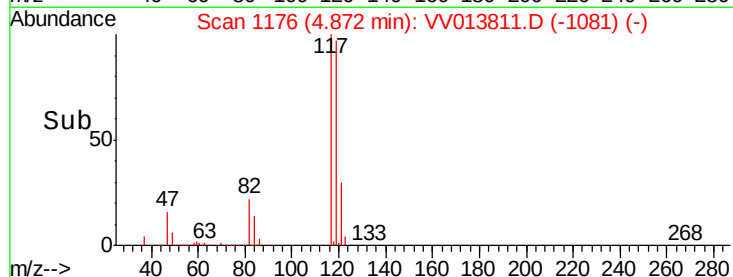
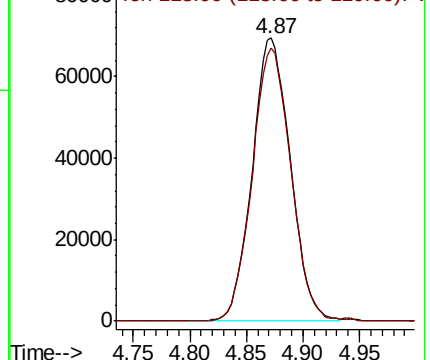
Ion Ratio Lower Upper

117 100

119 97.8 76.8 115.2



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



#33

Benzene

Concen: 5.563 ug/L

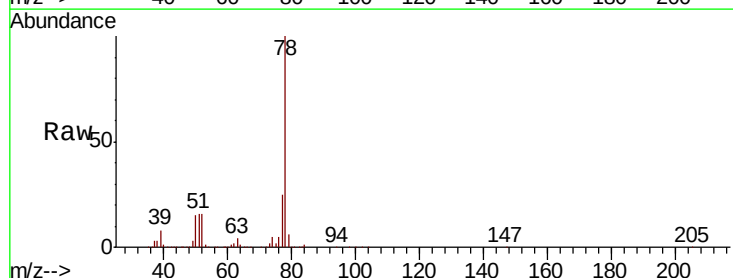
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

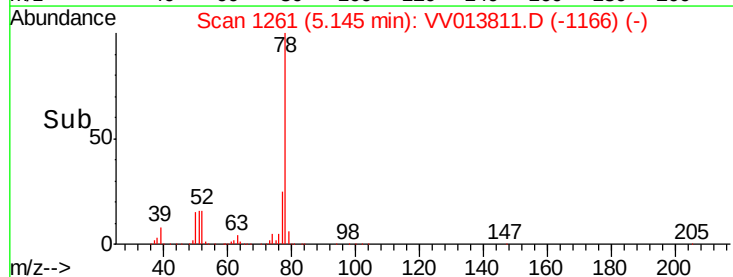
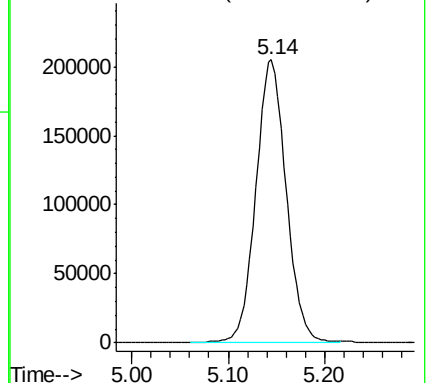
Lab File: VV013811.D

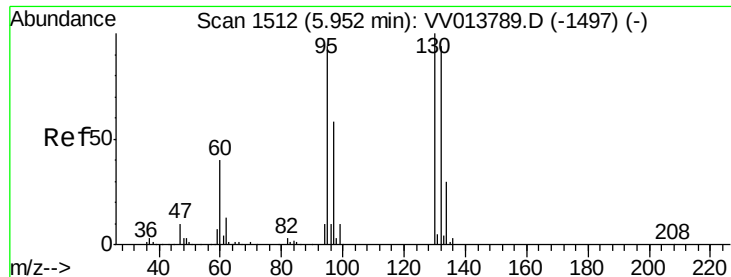
Acq: 27 Nov 2019 01:39

Tgt Ion: 78 Resp: 446763



Abundance Ion 78.10 (77.80 to 78.80): VV0

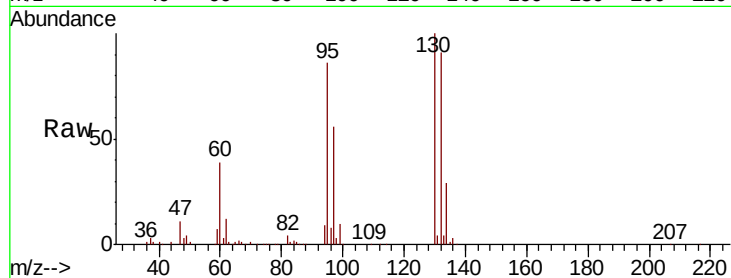




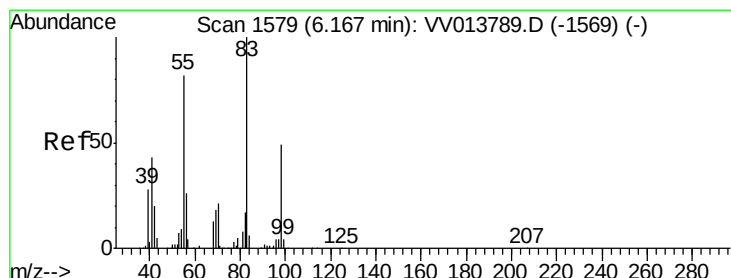
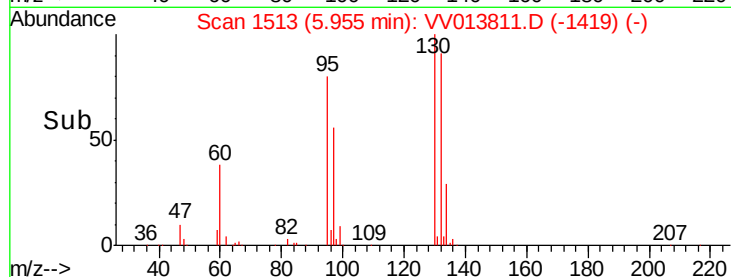
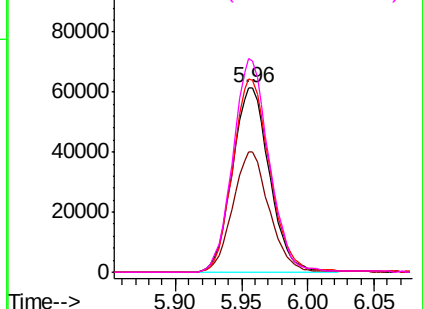
#34
 Trichloroethene
 Concen: 5.406 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 95 Resp: 119764
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.6 84.8
 132 105.1 70.5 130.9
 130 115.8 75.9 140.9

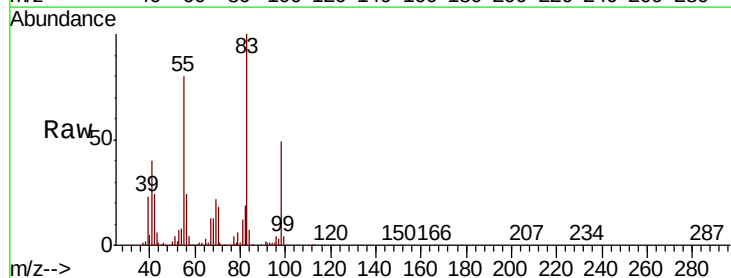


Abundance Ion 95.00 (94.70 to 95.70): VV013811.D (-1497) (-)
 Ion 96.95 (96.65 to 97.65): VV013811.D (-1497) (-)
 Ion 131.95 (131.65 to 132.65): VV013811.D (-1497) (-)
 Ion 129.95 (129.65 to 130.65): VV013811.D (-1497) (-)

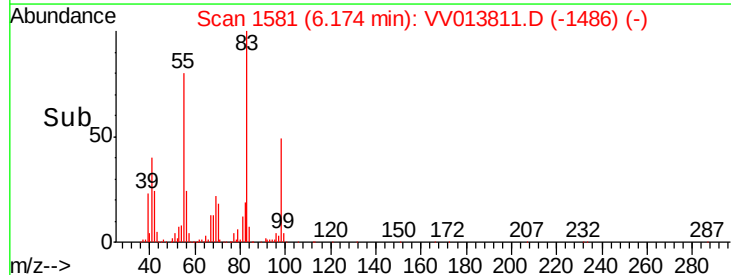
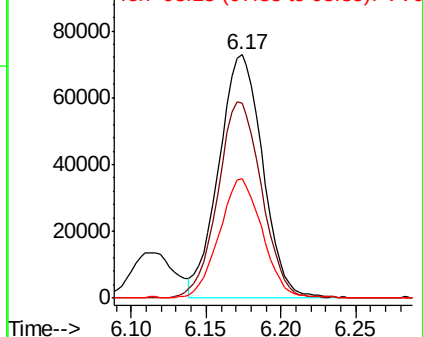


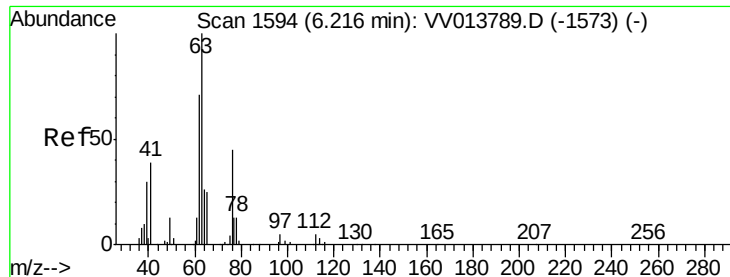
#35
 Methylcyclohexane
 Concen: 4.997 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion: 83 Resp: 147725
 Ion Ratio Lower Upper
 83 100
 55 80.7 60.3 90.5
 98 48.7 38.1 57.1



Abundance Ion 83.15 (82.85 to 83.85): VV013811.D (-1486) (-)
 Ion 55.10 (54.80 to 55.80): VV013811.D (-1486) (-)
 Ion 98.15 (97.85 to 98.85): VV013811.D (-1486) (-)

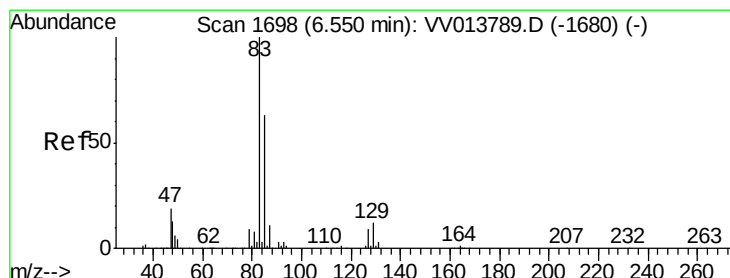
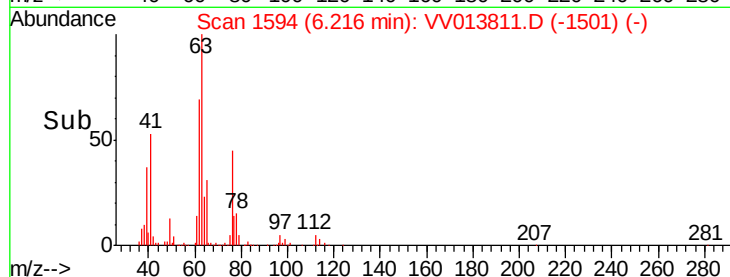
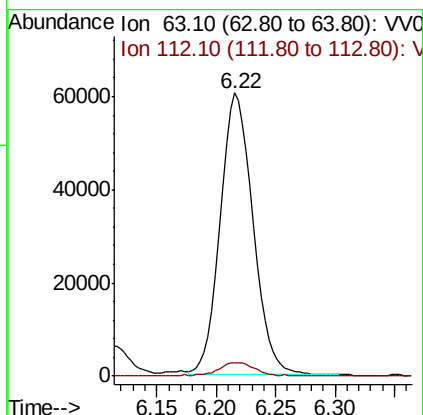
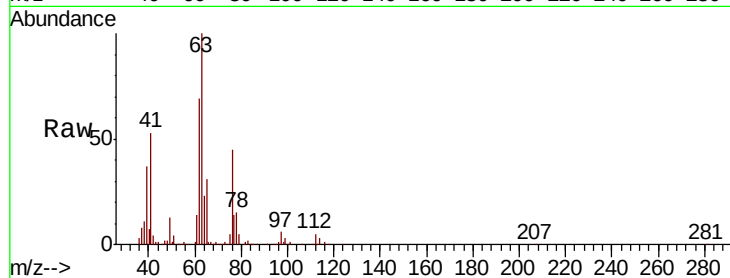




#37
 1,2-Dichloropropane
 Concen: 5.628 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

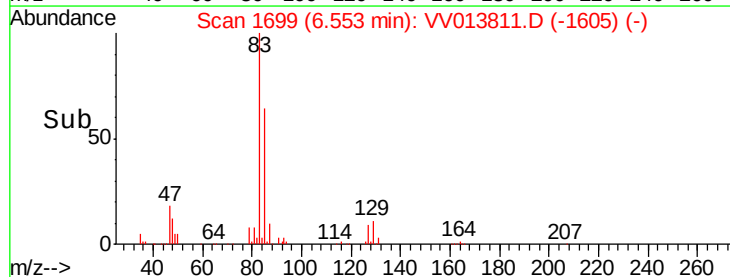
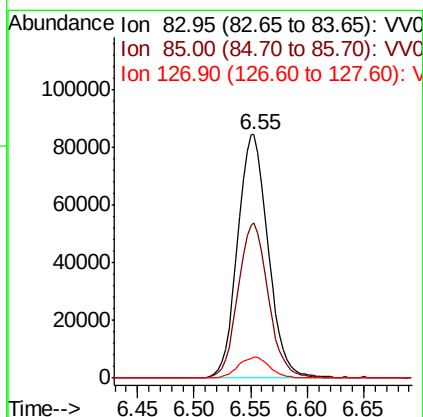
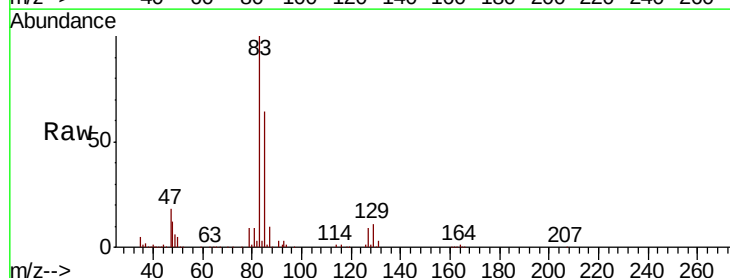
Instrument :
 MSVOA_V
 ClientSampleId :

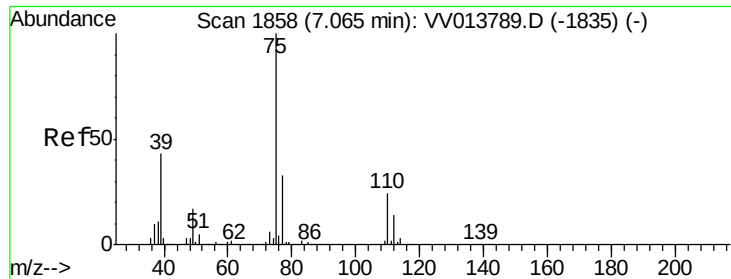
Tot Ion: 63 Resp: 116164
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.857 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion: 83 Resp: 159508
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.1 85.5
 127 8.5 7.5 11.3



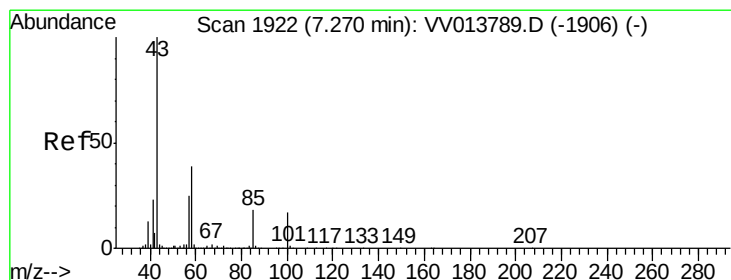
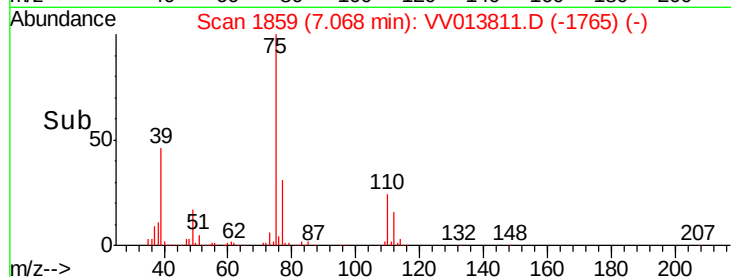
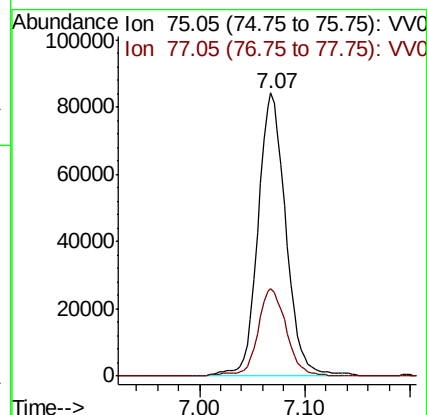
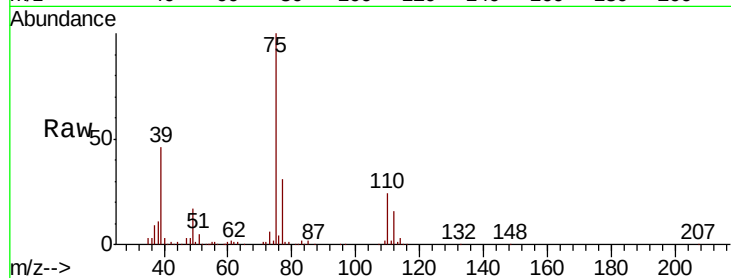


#39

cis-1,3-Dichloropropene
 Concen: 5.302 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Instrument :
 MSVOA_V
 ClientSampleId :

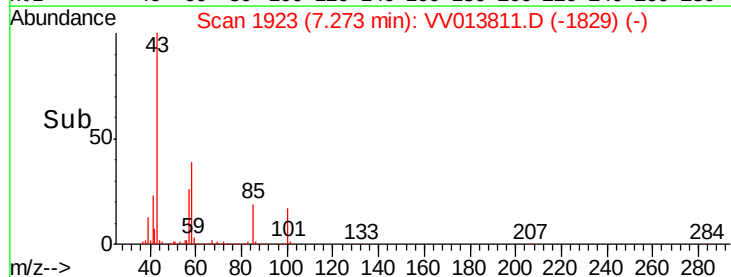
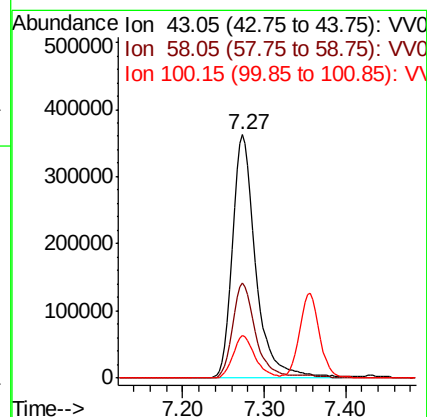
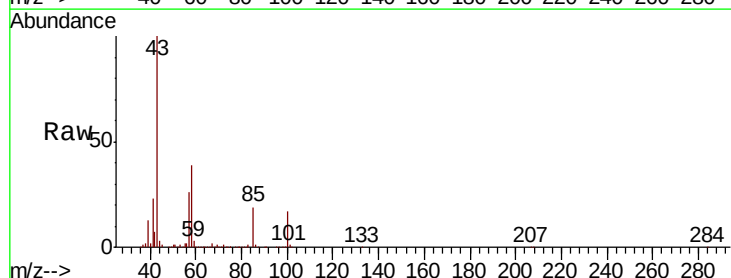
Tot Ion: 75 Resp: 155270
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.5 41.9

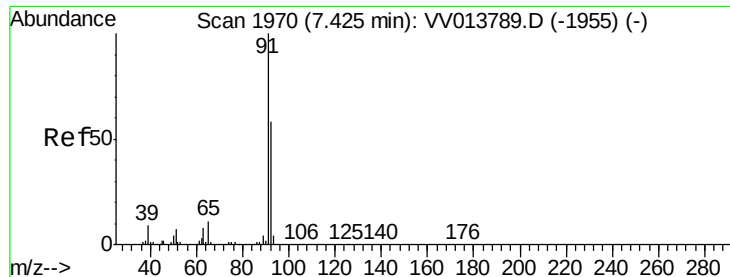


#40

4-Methyl-2-pentanone
 Concen: 60.824 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion: 43 Resp: 732508
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.3 48.5
 100 16.6 12.7 19.1





#42

Toluene

Concen: 5.454 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

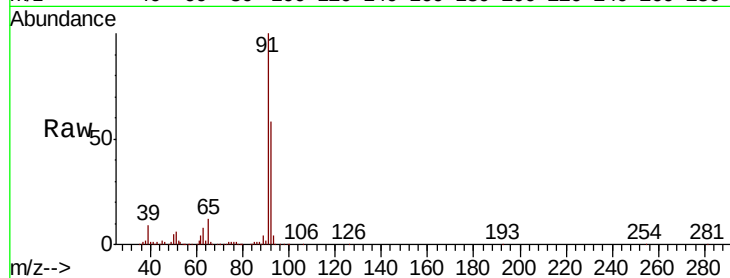
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 469860

Ion Ratio Lower Upper

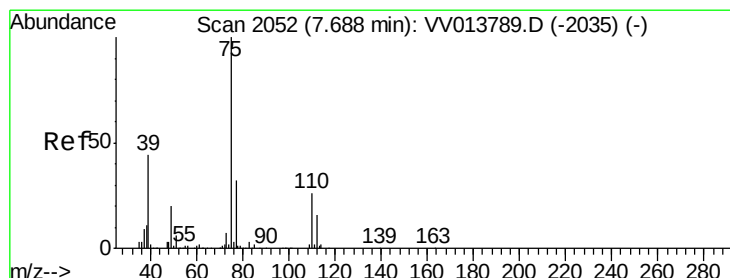
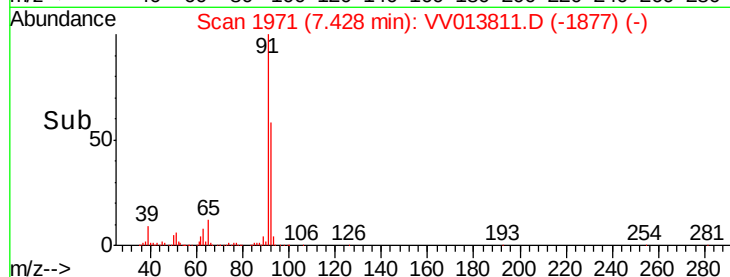
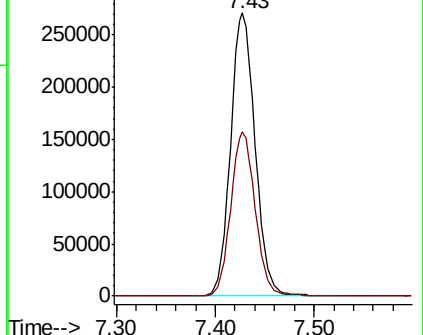
91 100

92 58.2 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV013811.D (-1877) (-)

Ion 92.15 (91.85 to 92.85): VV013811.D (-1877) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.350 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013811.D

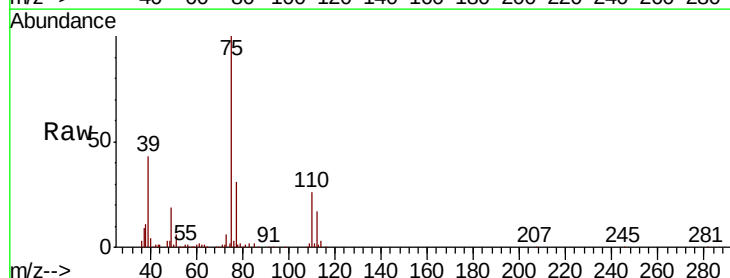
Acq: 27 Nov 2019 01:39

Tgt Ion: 75 Resp: 122642

Ion Ratio Lower Upper

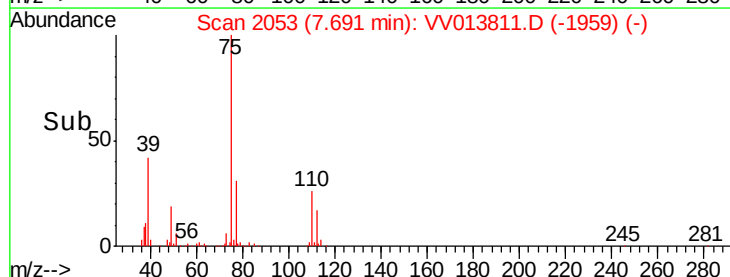
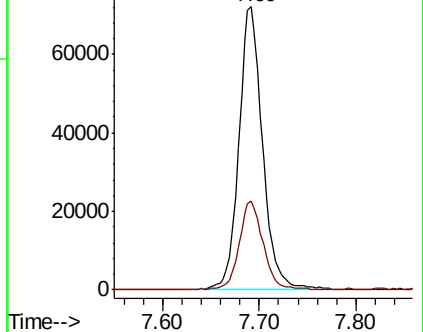
75 100

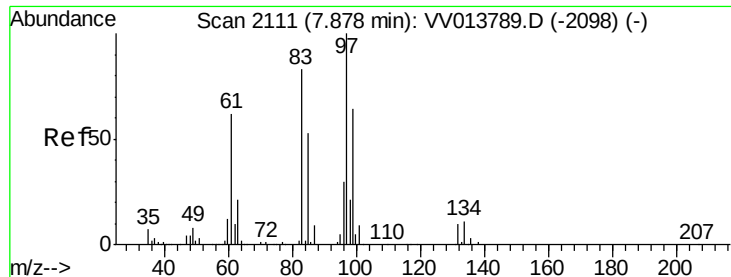
77 31.4 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV013811.D (-1959) (-)

Ion 77.05 (76.75 to 77.75): VV013811.D (-1959) (-)

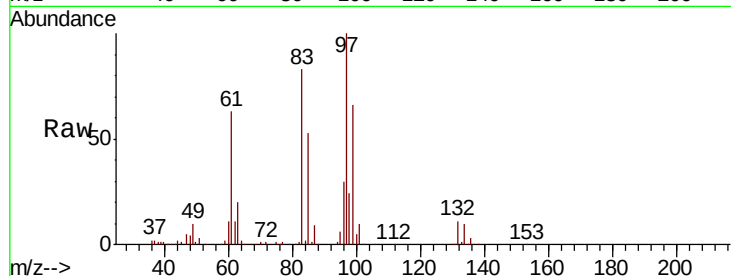




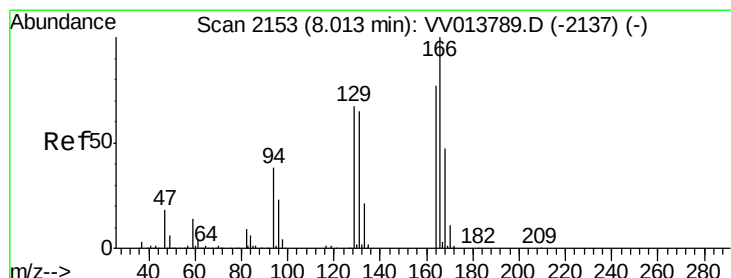
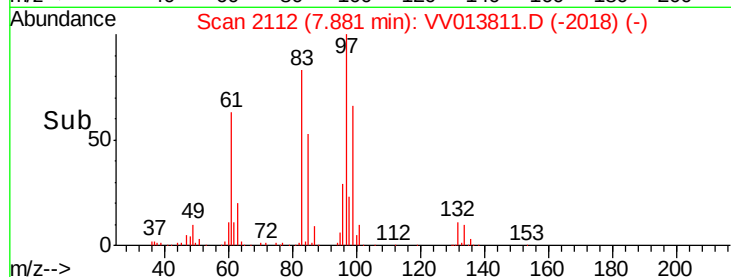
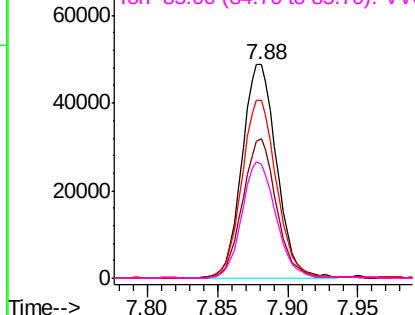
#45
 1,1,2-Trichloroethane
 Concen: 5.728 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	84257
Ion	Ratio	Lower	Upper
97	100		
99	65.5	44.2	82.0
83	83.5	59.7	110.9
85	53.4	38.3	71.1

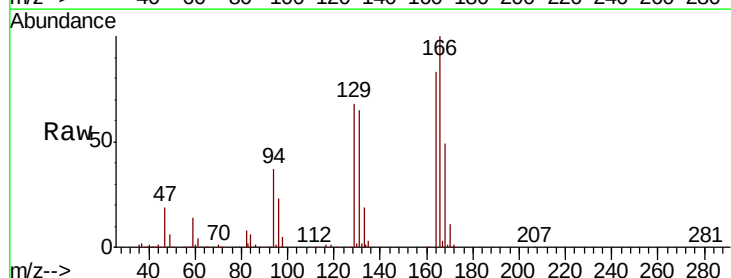


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

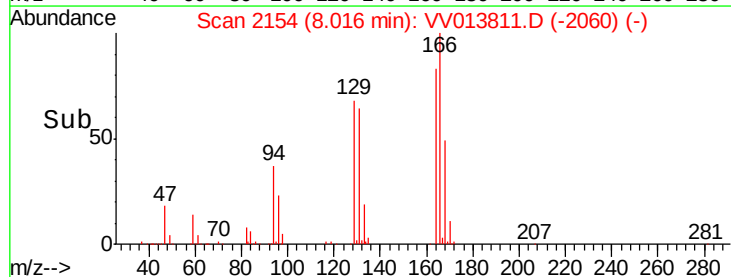
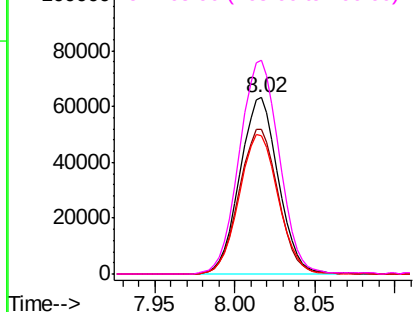


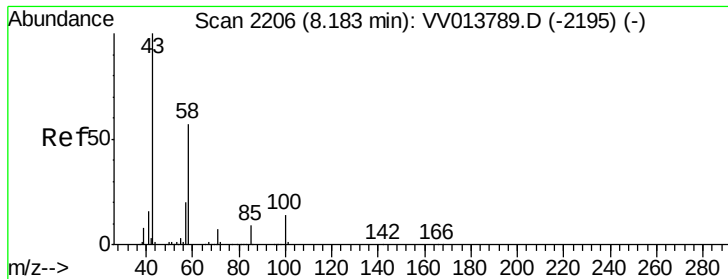
#47
 Tetrachloroethene
 Concen: 5.404 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion:	164	Resp:	103959
Ion	Ratio	Lower	Upper
164	100		
129	82.3	60.3	112.1
131	78.3	59.9	111.3
166	121.2	89.1	165.5



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

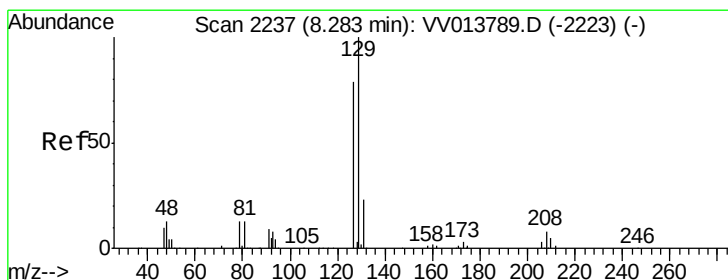
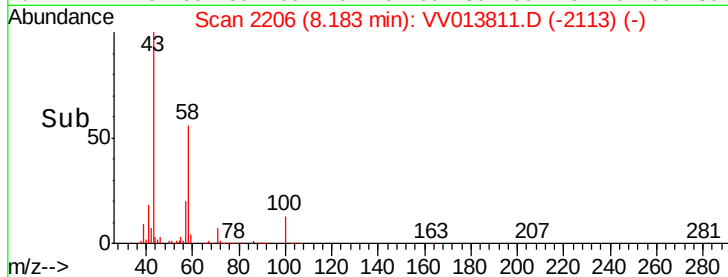
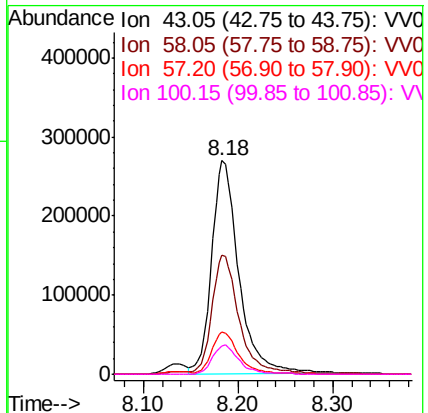
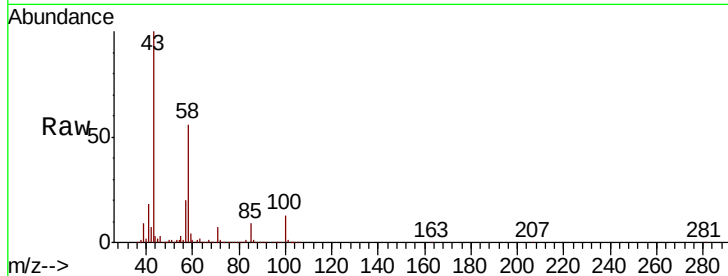




#48
2-Hexanone
Concen: 62.249 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

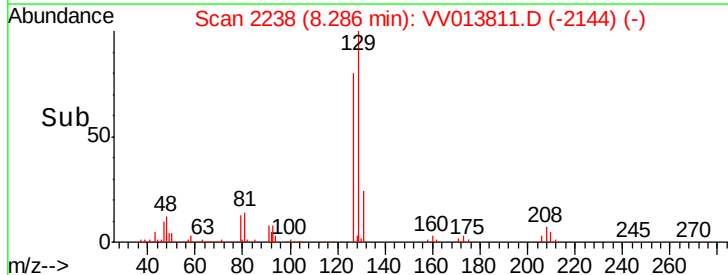
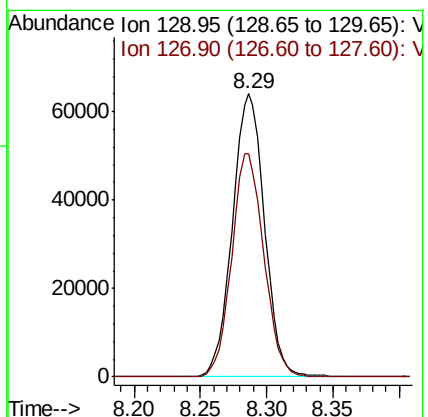
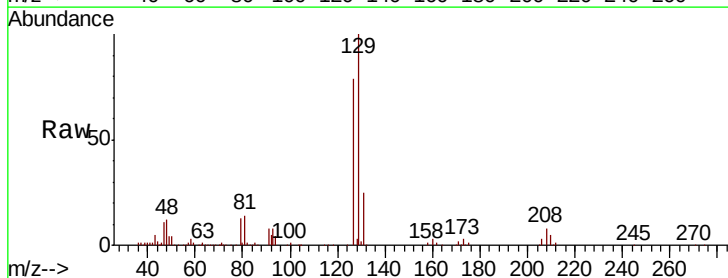
Instrument :
MSVOA_V
ClientSampleId :

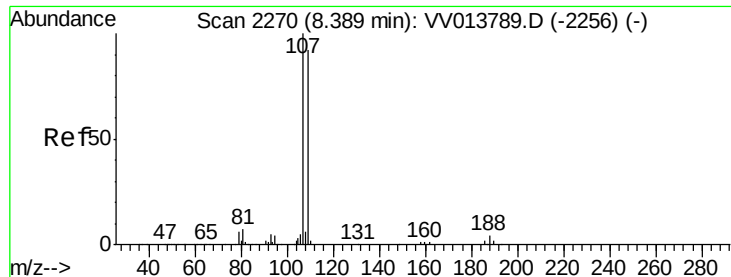
Tot Ion: 43 Resp: 535106
Ion Ratio Lower Upper
43 100
58 57.9 43.2 64.8
57 19.4 15.4 23.2
100 13.5 10.4 15.6



#49
Dibromochloromethane
Concen: 5.705 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

Tgt Ion: 129 Resp: 107632
Ion Ratio Lower Upper
129 100
127 78.8 55.7 103.5

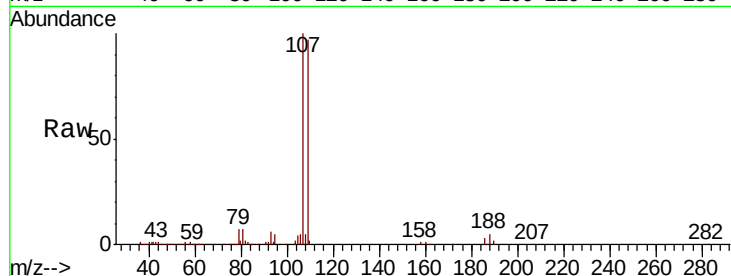




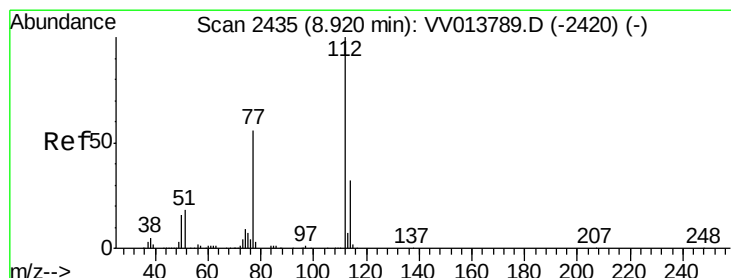
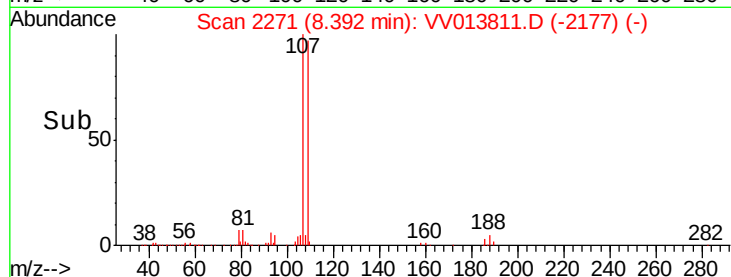
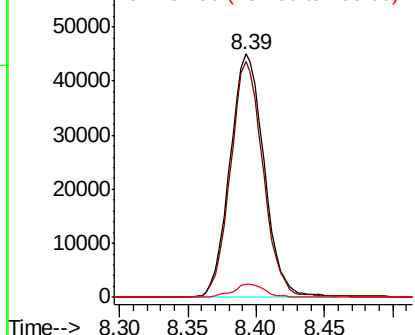
#50
 1,2-Dibromoethane
 Concen: 5.872 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.9	65.2	121.0
188	5.5	4.2	6.2

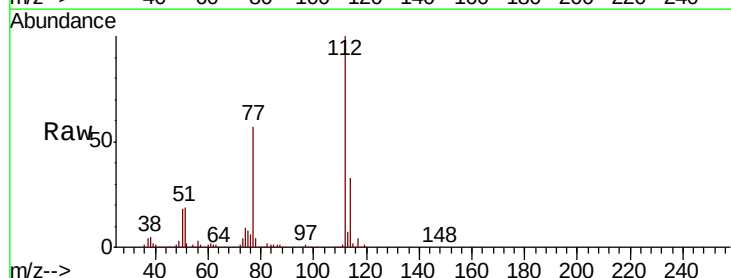


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

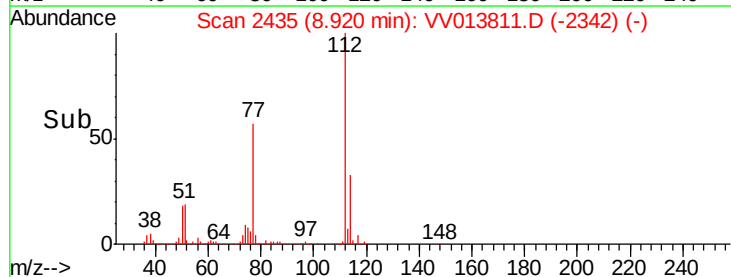
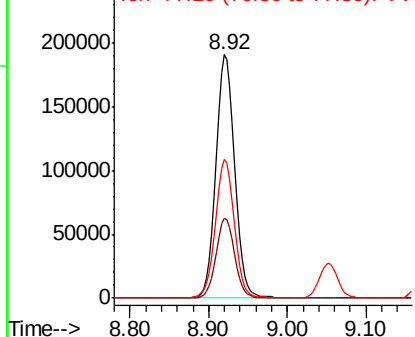


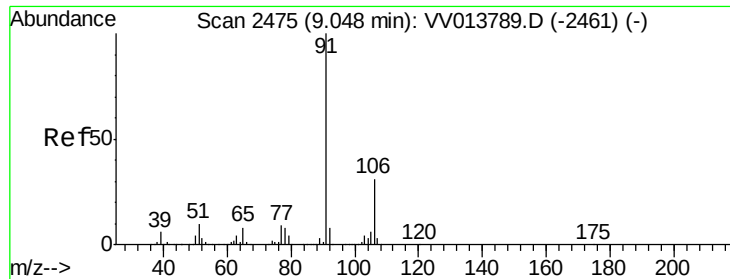
#51
 Chlorobenzene
 Concen: 5.244 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	21.8	40.6
77	56.8	44.2	66.4



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: 5.324 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

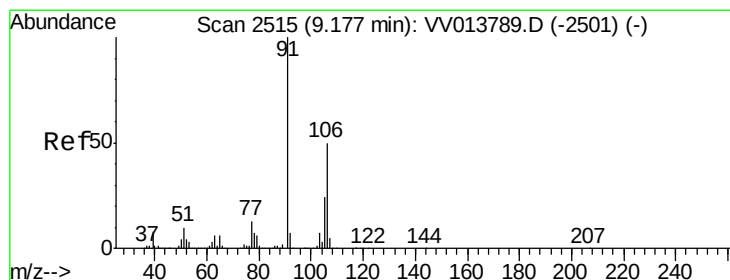
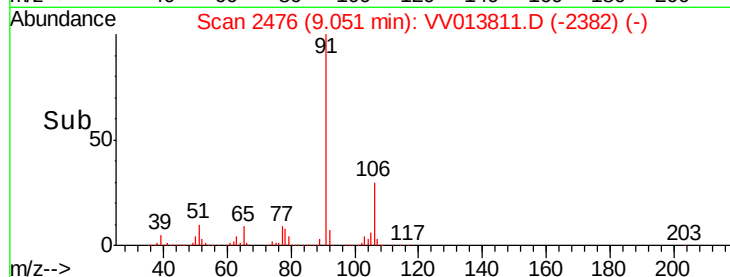
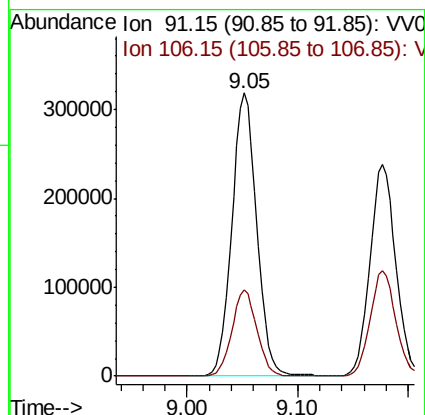
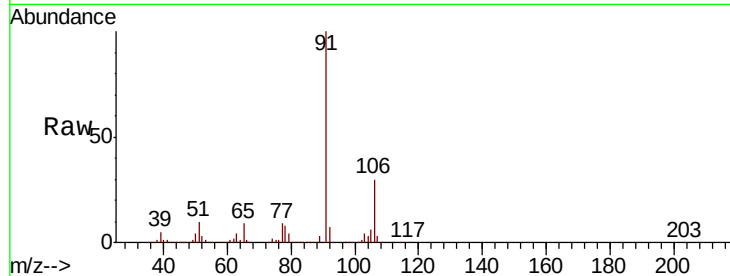
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 498166

Ion Ratio Lower Upper

91 100

106 30.4 22.1 41.1



#53

m,p-xylene

Concen: 5.335 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013811.D

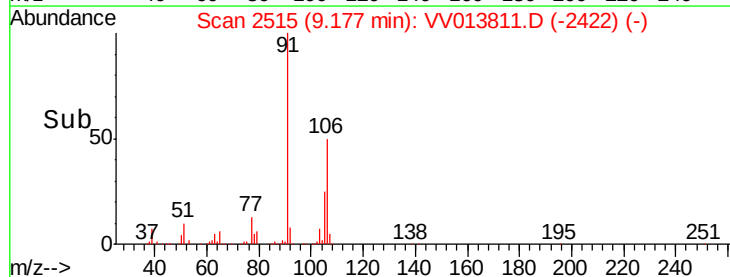
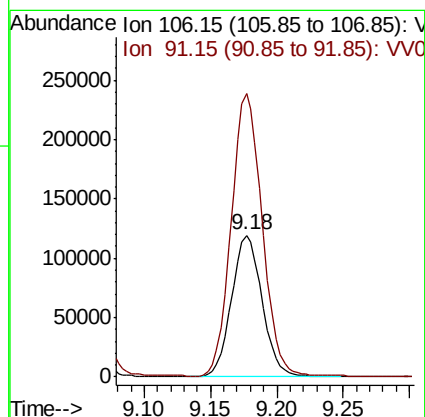
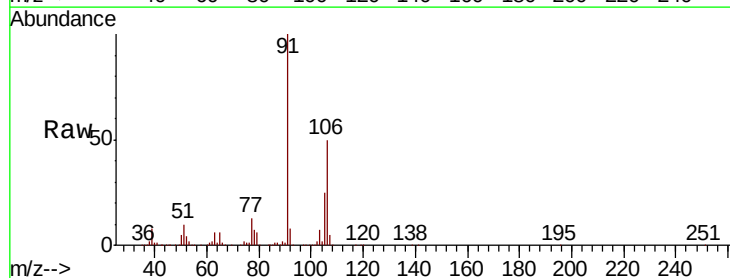
Acq: 27 Nov 2019 01:39

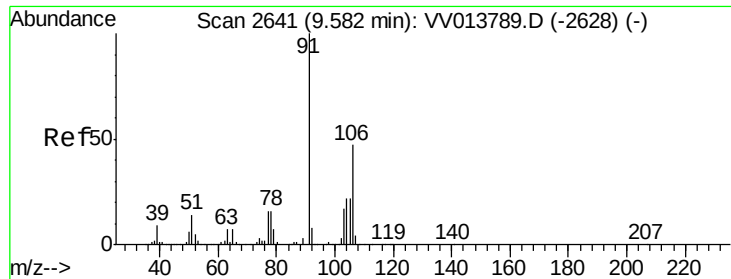
Tgt Ion: 106 Resp: 190337

Ion Ratio Lower Upper

106 100

91 199.9 139.9 259.9

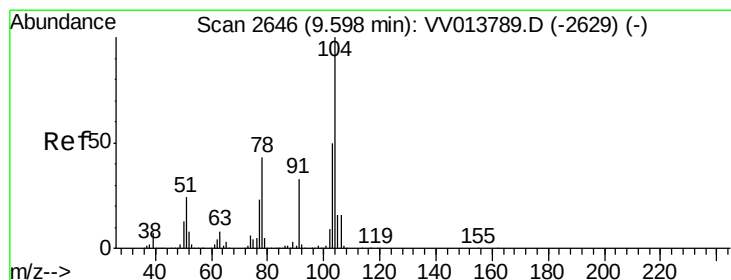
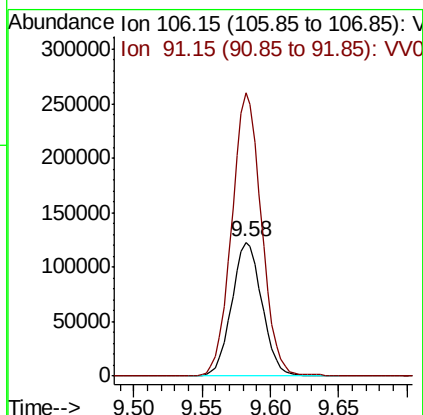
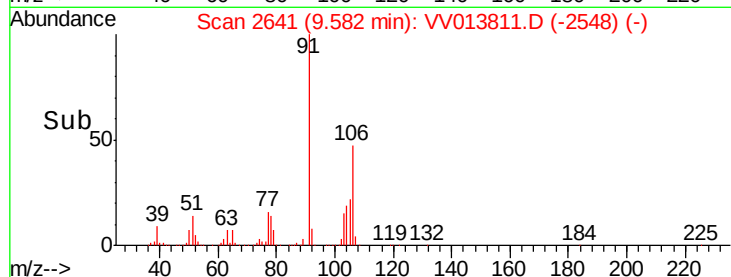
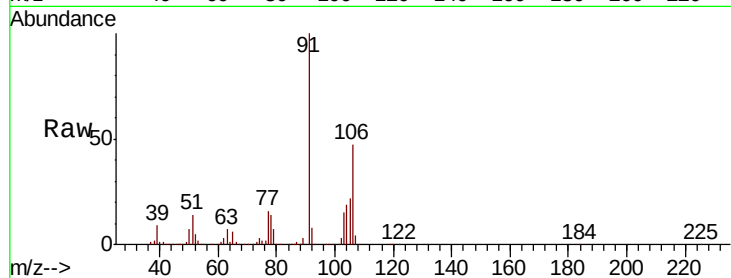




#54
o-xylene
Concen: 5.441 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

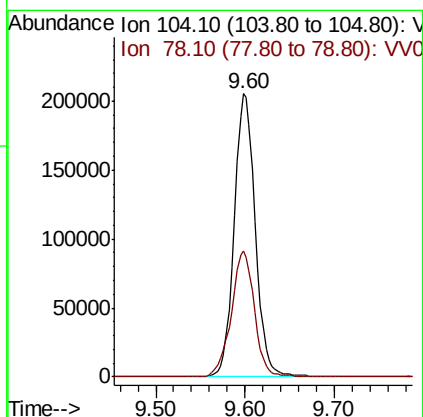
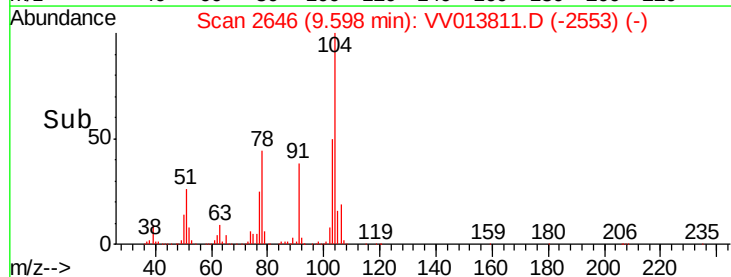
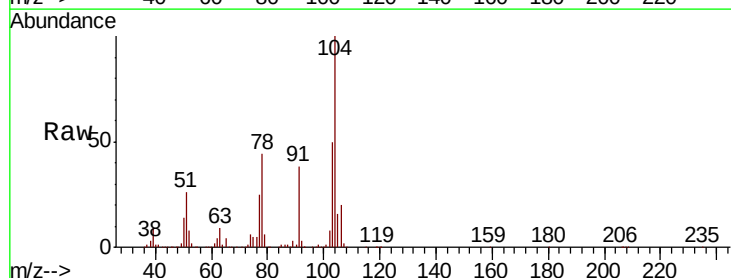
Instrument :
MSVOA_V
ClientSampleId :

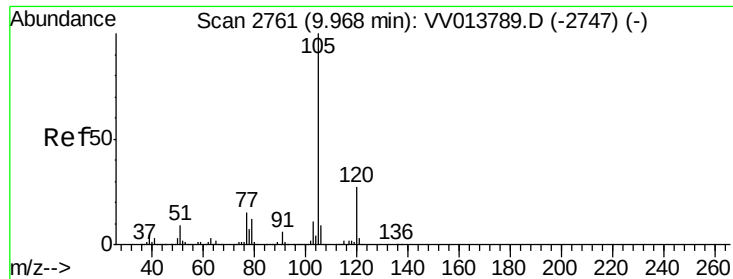
Tot Ion:106 Resp: 189477
Ion Ratio Lower Upper
106 100
91 211.2 145.5 270.3



#55
Styrene
Concen: 5.593 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013811.D
Acq: 27 Nov 2019 01:39

Tgt Ion:104 Resp: 336297
Ion Ratio Lower Upper
104 100
78 44.5 31.0 57.6





#56

Isopropylbenzene

Concen: 5.413 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

ClientSampleId :

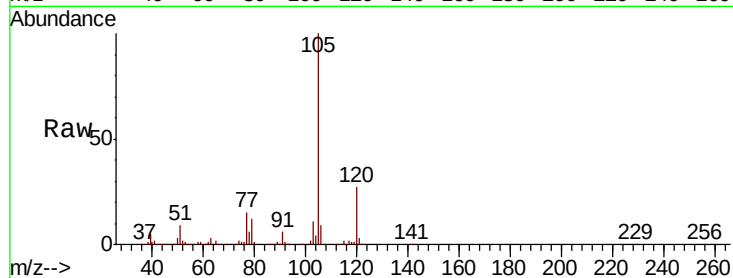
Tot Ion:105 Resp: 513771

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

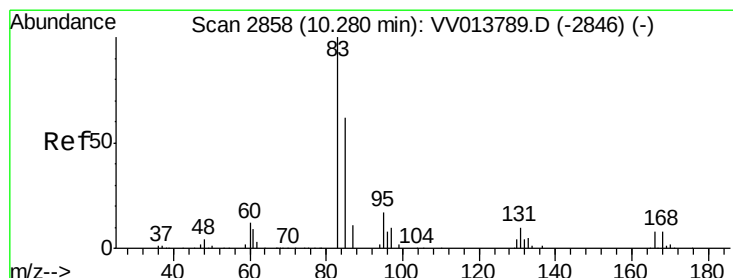
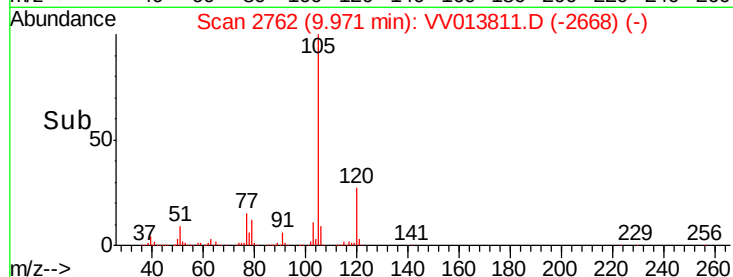
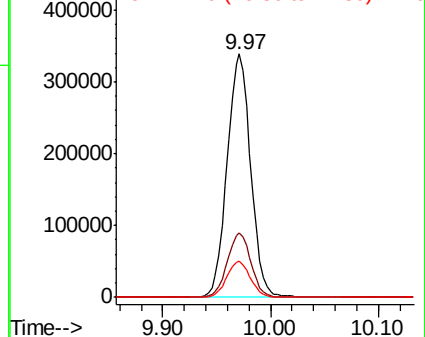
77 15.0 12.1 18.1



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: 6.154 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

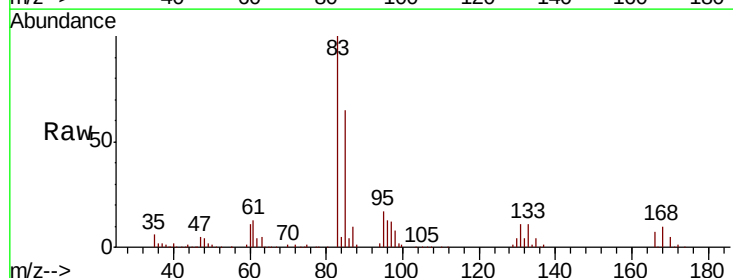
Tgt Ion: 83 Resp: 99462

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7

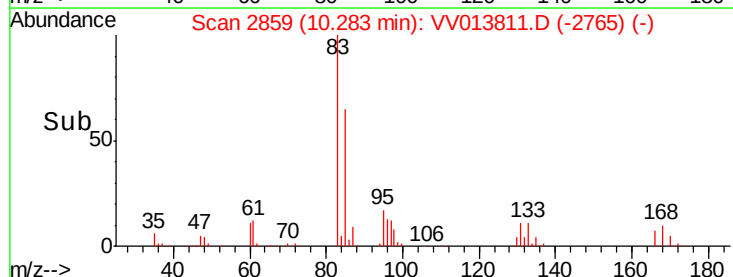
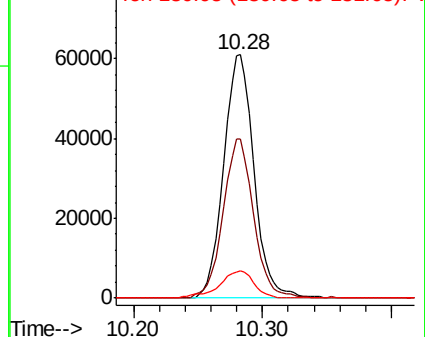
131 11.1 9.3 13.9

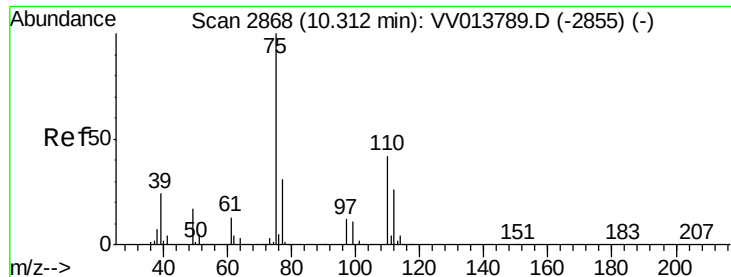


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

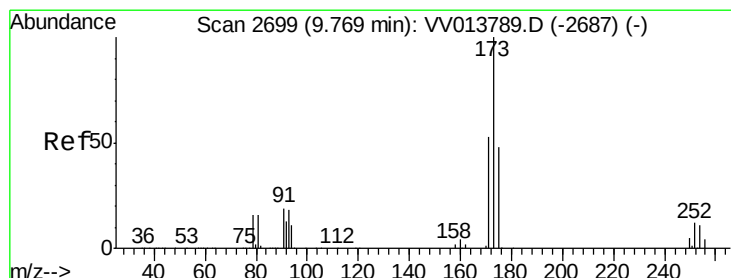
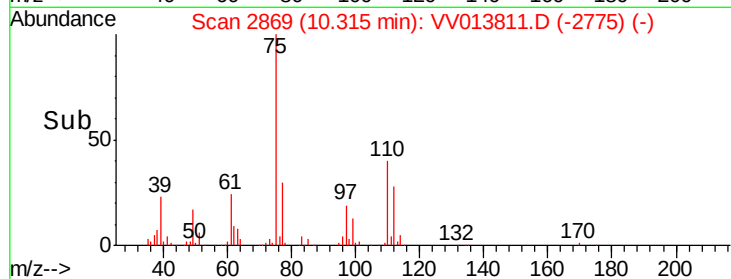
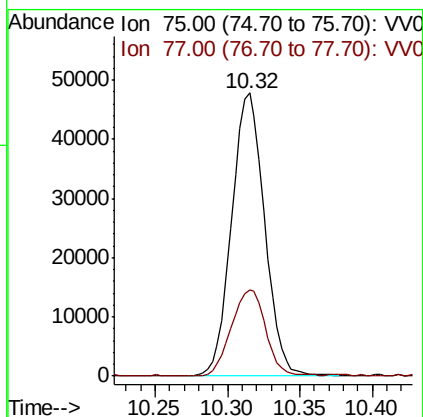
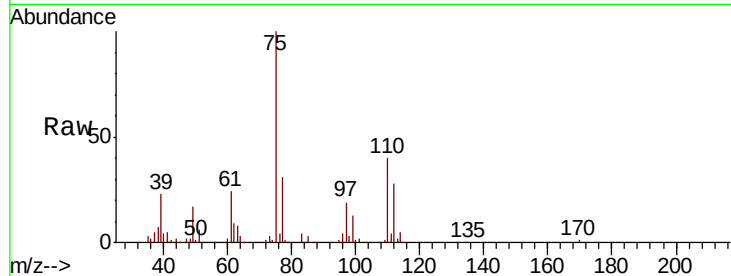




#59
 1,2,3-Trichloropropane
 Concen: 5.974 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

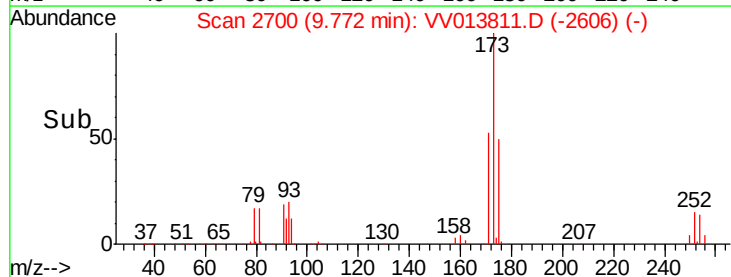
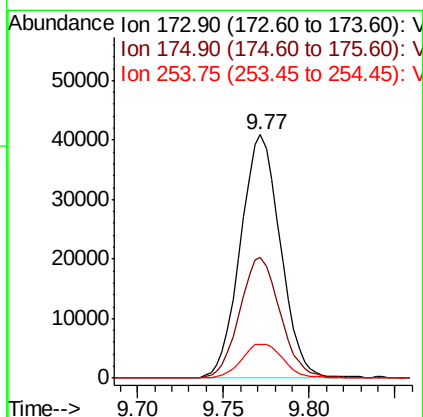
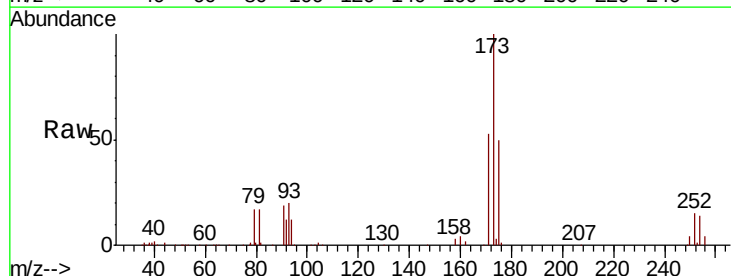
Instrument :
 MSVOA_V
 ClientSampleId :

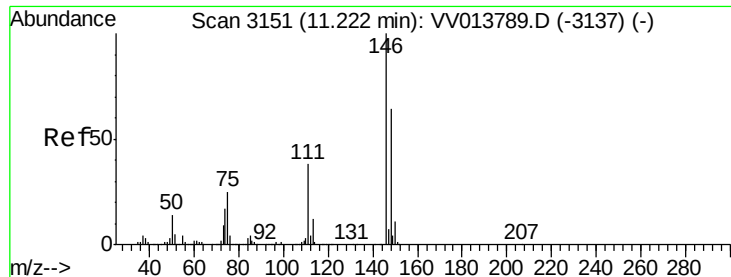
Tot Ion: 75 Resp: 75692
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.7 38.5



#61
 Bromoform
 Concen: 5.887 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion: 173 Resp: 66004
 Ion Ratio Lower Upper
 173 100
 175 50.3 39.1 58.7
 254 14.6 10.4 15.6

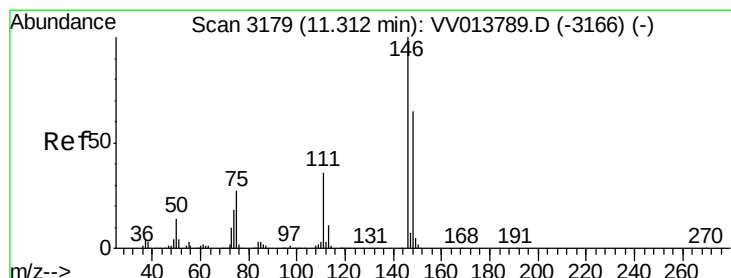
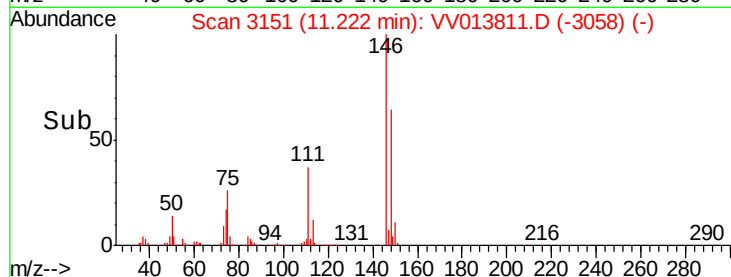
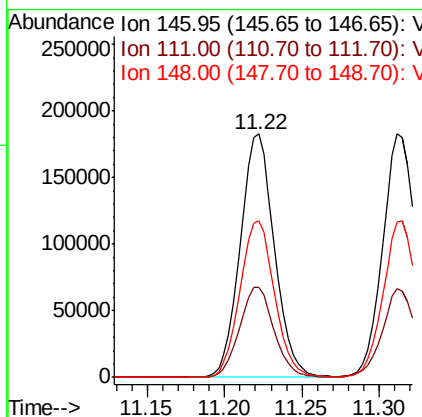
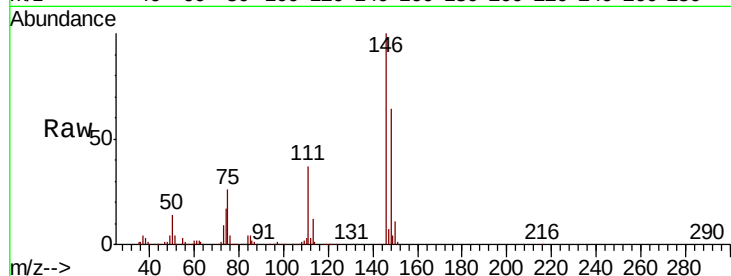




#62
 1,3-Dichlorobenzene
 Concen: 5.426 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

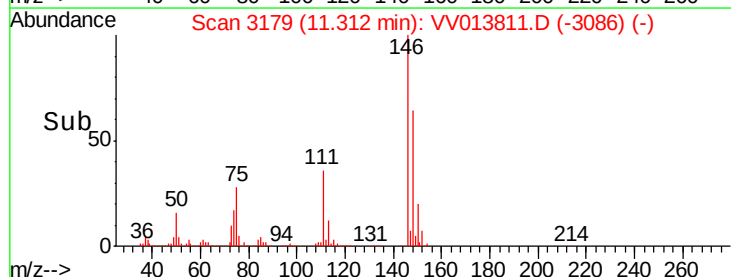
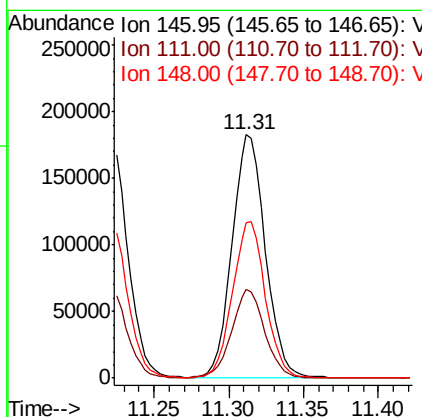
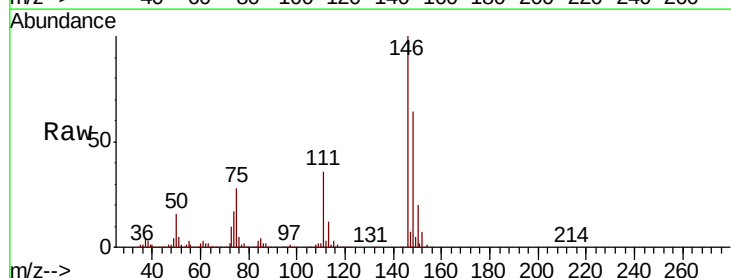
Instrument :
 MSVOA_V
 ClientSampleId :

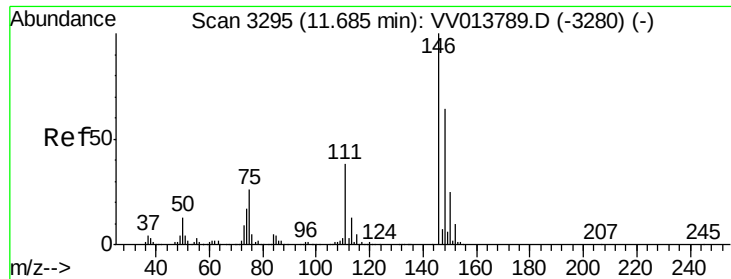
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	25.6	47.6
148	64.4	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.357 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	25.0	46.4
148	63.8	45.4	84.2





#65

1,2-Dichlorobenzene

Concen: 5.461 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

ClientSampled :

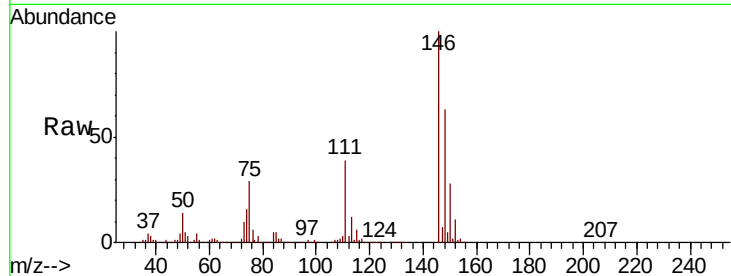
Tot Ion:146 Resp: 262304

Ion Ratio Lower Upper

146 100

111 38.7 31.3 46.9

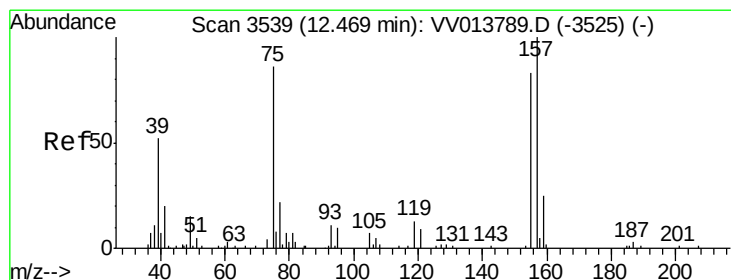
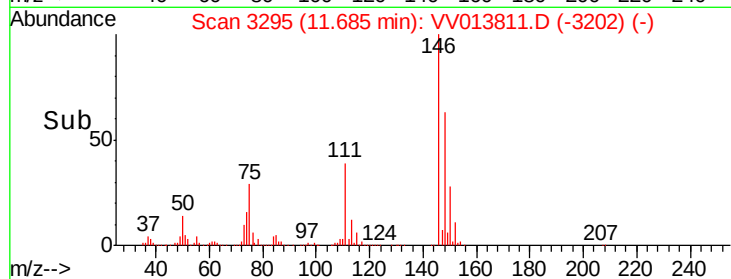
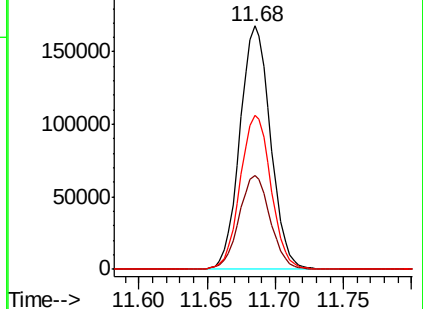
148 63.2 52.2 78.2



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: 5.692 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

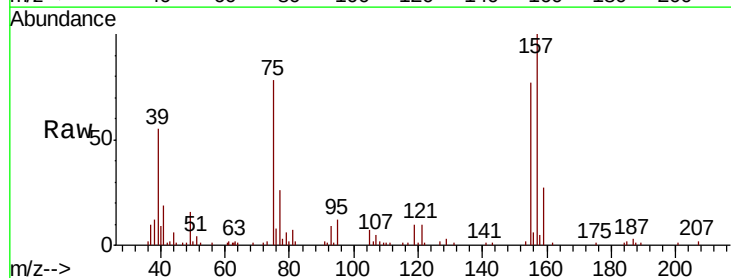
Tgt Ion: 75 Resp: 15890

Ion Ratio Lower Upper

75 100

155 99.1 73.4 110.0

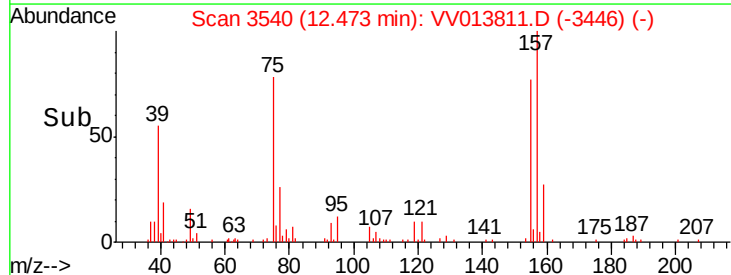
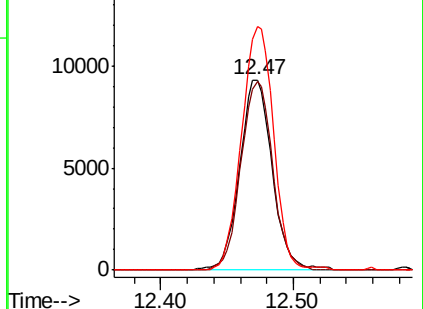
157 128.0 98.7 148.1

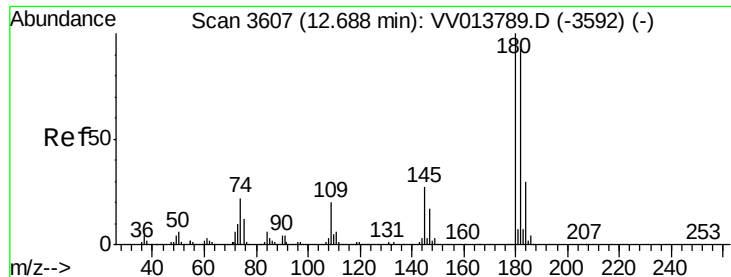


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

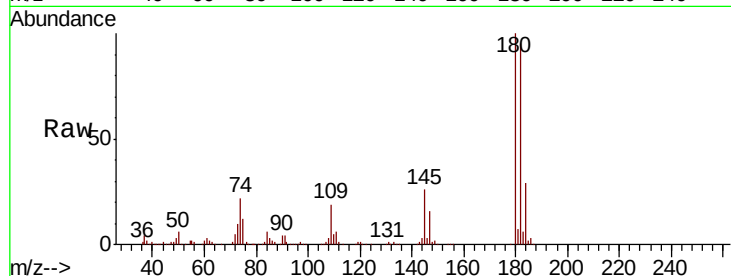




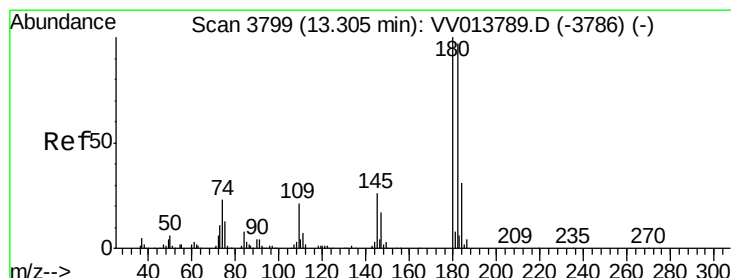
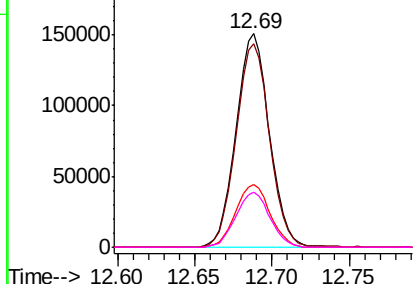
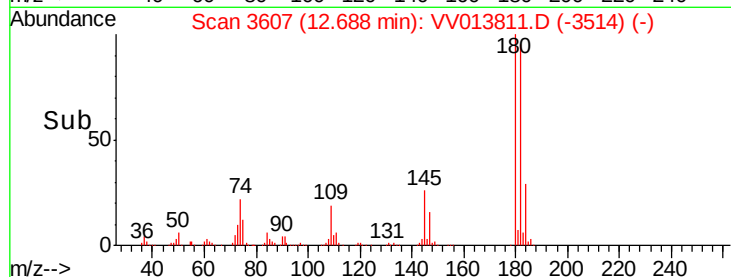
#67
 1,3,5-Trichlorobenzene
 Concen: 5.159 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	225535
Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.8	112.2
184	30.3	23.2	34.8
145	26.3	21.3	31.9

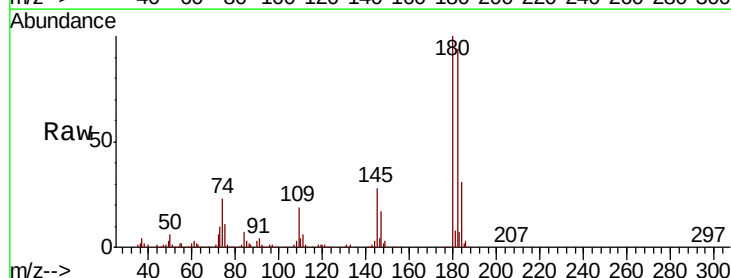


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

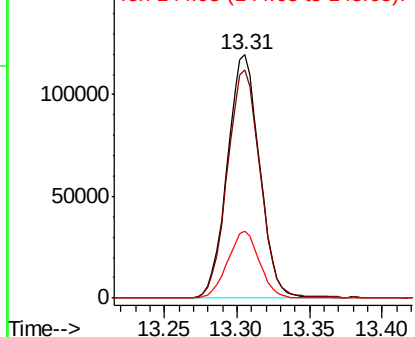
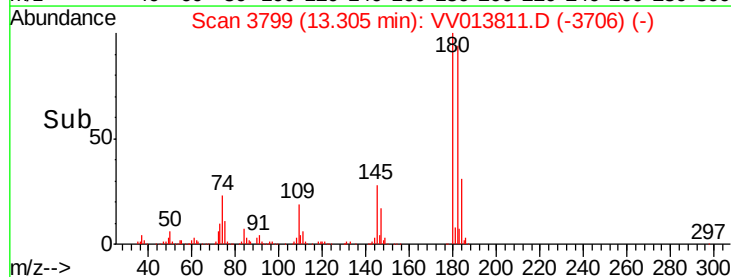


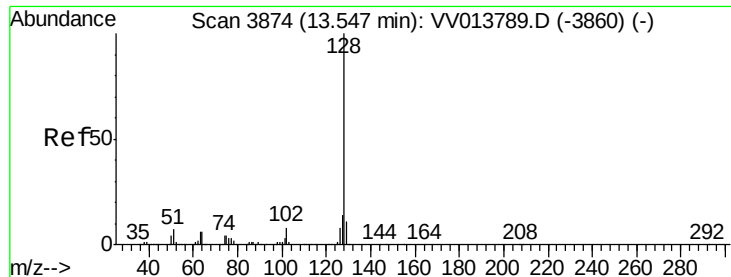
#68
 1,2,4-trichlorobenzene
 Concen: 5.154 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013811.D
 Acq: 27 Nov 2019 01:39

Tgt Ion:	180	Resp:	184778
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	27.1	21.0	31.6



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: 5.229 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

Instrument :

MSVOA_V

ClientSampleId :

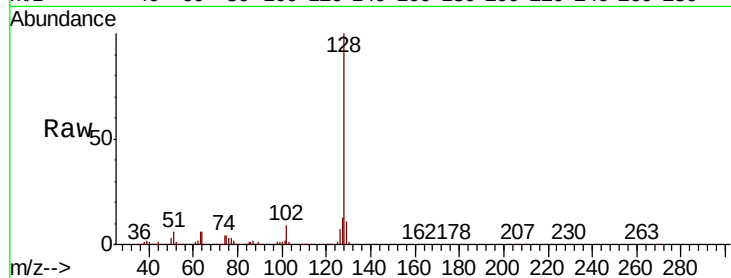
Tot Ion:128 Resp: 255303

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

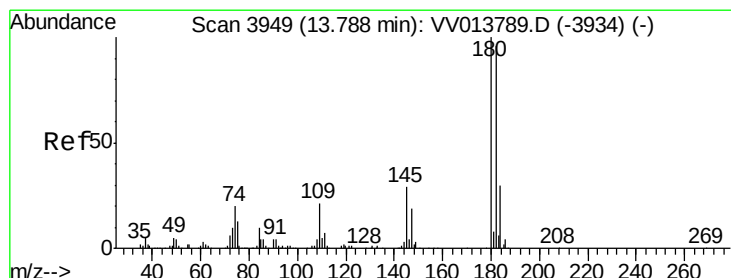
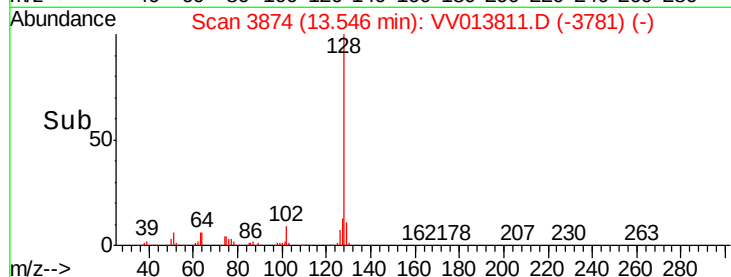
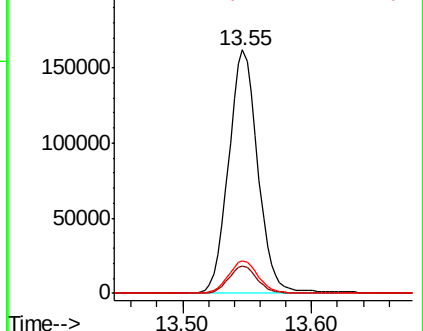
127 13.5 10.6 16.0



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: 5.576 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013811.D

Acq: 27 Nov 2019 01:39

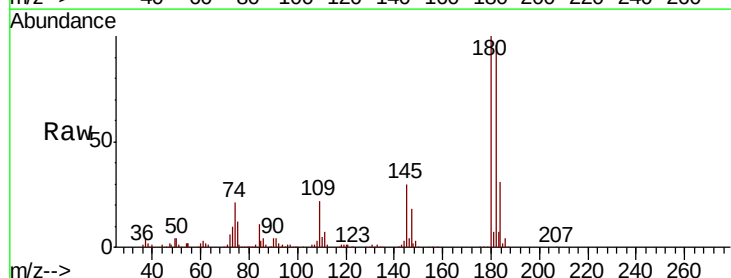
Tgt Ion:180 Resp: 182124

Ion Ratio Lower Upper

180 100

182 95.8 78.5 117.7

145 28.9 23.8 35.8



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

