

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012108.D
 Acq On : 06 Aug 2019 10:46
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 17:55:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 17:52:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	324310	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	296524	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	158245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78399	44.22	ug/L	0.00
7) Chloroethane-d5	1.56	69	52562	41.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	134883	43.89	ug/L	0.00
21) 2-Butanone-d5	3.92	46	116632	90.29	ug/L	0.00
24) Chloroform-d	4.40	84	194963	43.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	124958	43.73	ug/L	0.00
32) Benzene-d6	5.10	84	378642	44.37	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	108359	43.84	ug/L	0.00
41) Toluene-d8	7.36	98	368216	44.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	62604	44.55	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	93947	91.52	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	151061	43.36	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	162399	43.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	110750	48.349	ug/L 100
3) Chloromethane	1.25	50	76276	46.896	ug/L 100
5) Vinyl chloride	1.32	62	73311	46.696	ug/L 100
6) Bromomethane	1.51	94	42574	46.710	ug/L 100
8) Chloroethane	1.58	64	37731	45.889	ug/L 100
9) Trichlorofluoromethane	1.76	101	123160	48.249	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	60049	47.989	ug/L 100
12) 1,1-Dichloroethene	2.14	96	55140	46.797	ug/L 100
13) Acetone	2.18	43	82773	93.986	ug/L 100
14) Carbon disulfide	2.31	76	186144	46.749	ug/L 100
15) Methyl Acetate	2.45	43	71928	46.677	ug/L 100
16) Methylene chloride	2.53	84	82696	46.256	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	78554	47.214	ug/L 100
18) Methyl tert-butyl Ether	2.80	73	275007	48.103	ug/L 100
19) 1,1-Dichloroethane	3.23	63	141092	46.502	ug/L 100
20) cis-1,2-Dichloroethene	3.96	96	94439	48.190	ug/L 100
22) 2-Butanone	4.01	43	109084	96.109	ug/L 100
23) Bromochloromethane	4.29	128	50314	46.690	ug/L 100
25) Chloroform	4.42	83	160832	46.764	ug/L 100
27) 1,2-Dichloroethane	5.18	62	127440	47.676	ug/L 100
29) Cyclohexane	4.72	56	120695	48.677	ug/L 100
30) 1,1,1-Trichloroethane	4.66	97	151566	48.118	ug/L 100
31) Carbon tetrachloride	4.87	117	139236	47.648	ug/L 100
33) Benzene	5.14	78	328051	48.060	ug/L 100
34) Trichloroethene	5.96	95	90866	47.894	ug/L 100
35) Methylcyclohexane	6.18	83	136693	48.407	ug/L 100
37) 1,2-Dichloropropane	6.22	63	80120	48.123	ug/L 100
38) Bromodichloromethane	6.55	83	126166	48.171	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	139296	47.455	ug/L 100
40) 4-Methyl-2-pentanone	7.27	43	205600	95.949	ug/L 100

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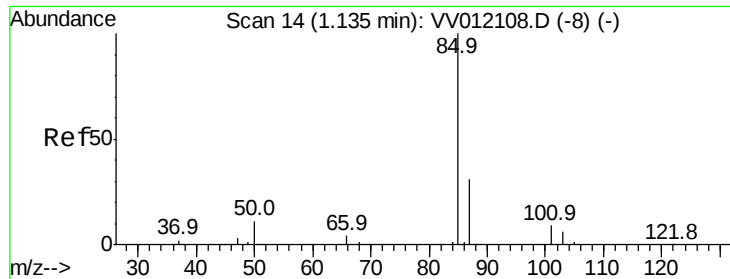
Instrument :
 MSVOA_V
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Quant Time: Aug 06 17:55:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

42) Toluene	7.43	91	369093	48.664	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	134099	48.396	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	85220	47.485	ug/L	100
46) Tetrachloroethene	8.02	164	82863	46.877	ug/L	100
48) 2-Hexanone	8.18	43	157636	97.578	ug/L	100
49) Dibromochloromethane	8.29	129	111477	47.867	ug/L	100
50) 1,2-Dibromoethane	8.40	107	94183	47.452	ug/L	100
51) Chlorobenzene	8.92	112	244881	47.888	ug/L	100
52) Ethylbenzene	9.05	91	411223	48.321	ug/L	100
53) m,p-Xylene	9.18	106	159485	48.580	ug/L	100
54) o-Xylene	9.59	106	159558	48.979	ug/L	100
55) Styrene	9.60	104	270391	49.271	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	132753	48.101	ug/L	100
59) Bromoform	9.77	173	89679	48.313	ug/L	100
60) Isopropylbenzene	9.97	105	425679	49.139	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	102085	47.507	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	365656	49.263	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	357893	47.988	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	209405	47.909	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	209434	47.404	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	212561	47.663	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.48	75	32978	46.567	ug/L	100
69) 1,3,5-Trichlorobenzene	12.69	180	171560	48.419	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	150526	48.996	ug/L	100
71) Naphthalene	13.55	128	391789	50.317	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	153788	49.743	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.349 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

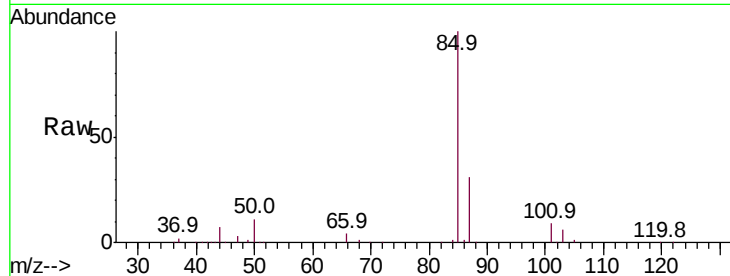
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 110750

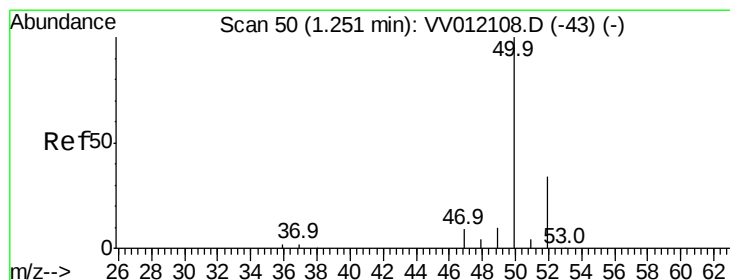
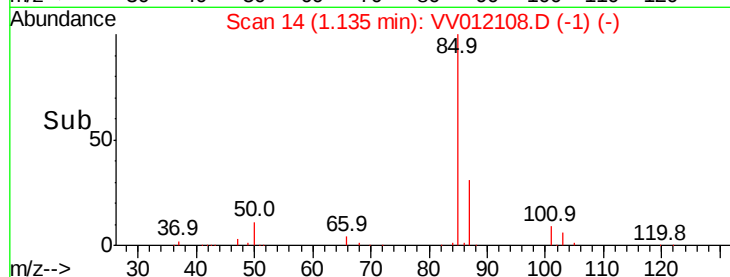
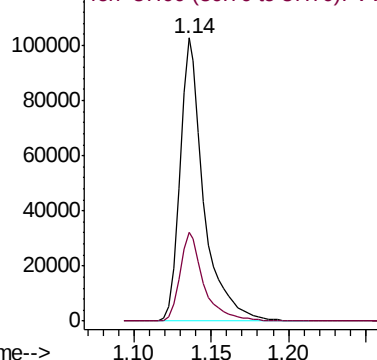
Ion Ratio Lower Upper

85 100

87 31.6 25.3 37.9



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



#3

Chloromethane

Concen: 46.896 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012108.D

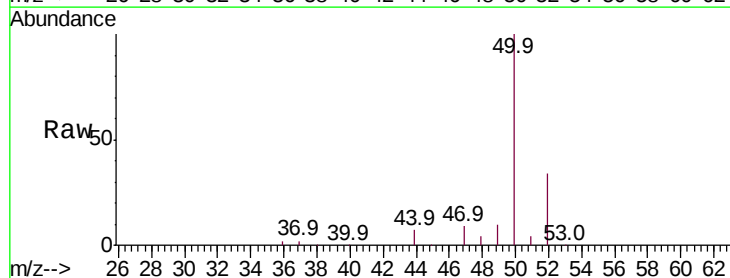
Acq: 06 Aug 2019 10:46

Tgt Ion: 50 Resp: 76276

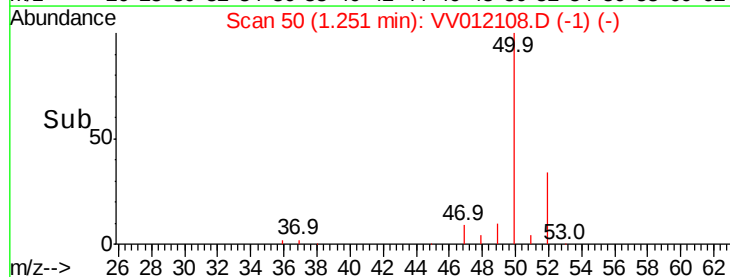
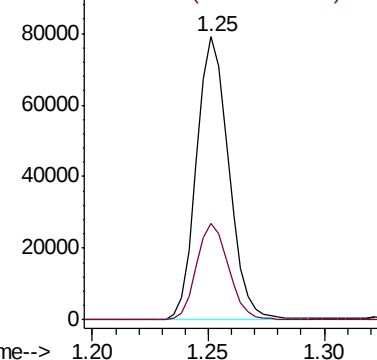
Ion Ratio Lower Upper

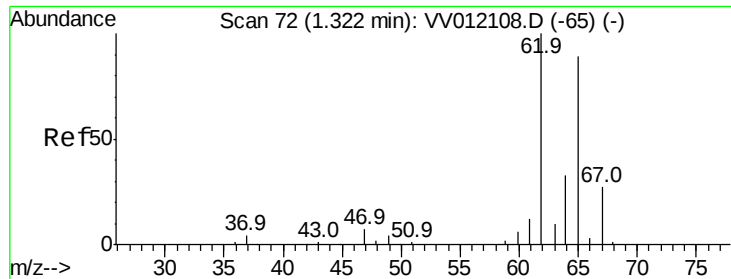
50 100

52 34.1 23.9 44.3



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





#5

Vinyl chloride

Concen: 46.696 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :

MSVOA_V

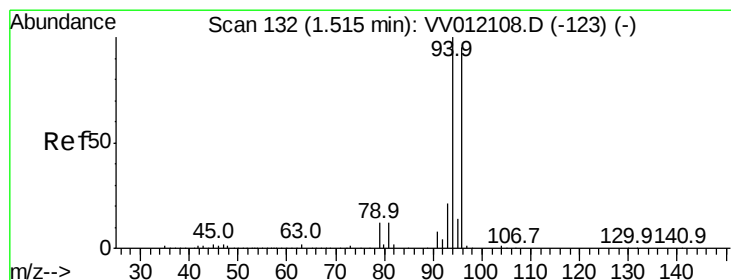
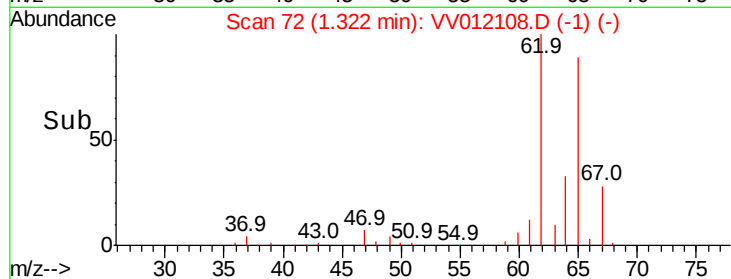
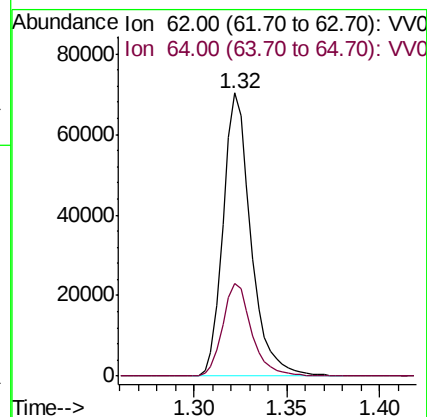
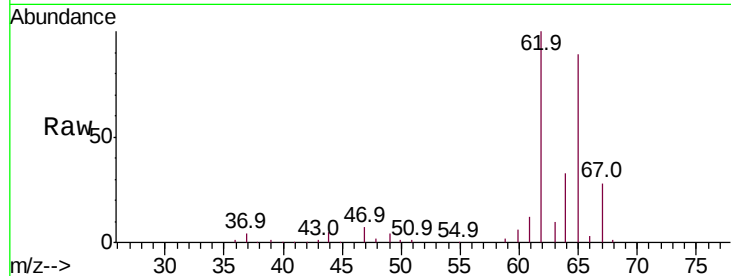
ClientSampleId :

Tot Ion: 62 Resp: 73311

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 46.710 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV012108.D

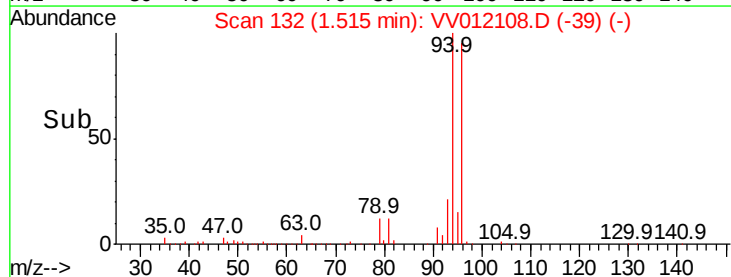
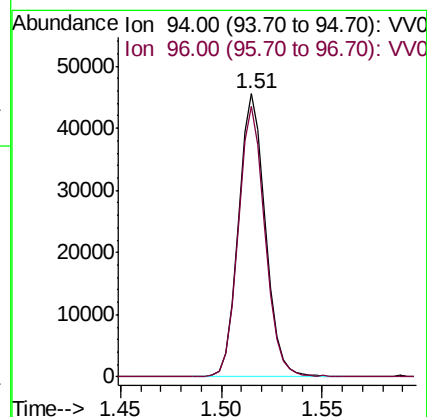
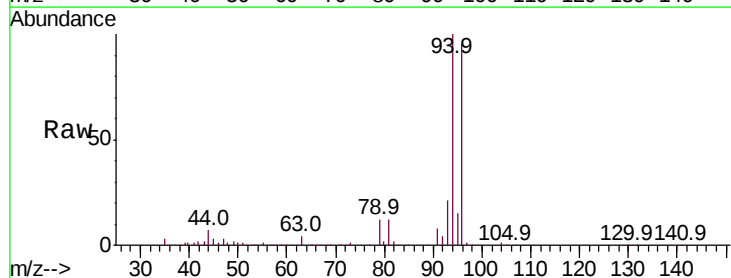
Acq: 06 Aug 2019 10:46

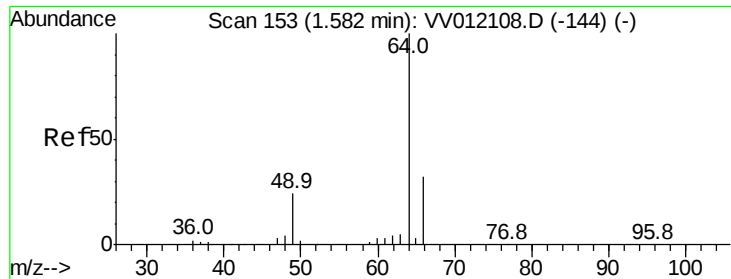
Tgt Ion: 94 Resp: 42574

Ion Ratio Lower Upper

94 100

96 95.4 66.8 124.0

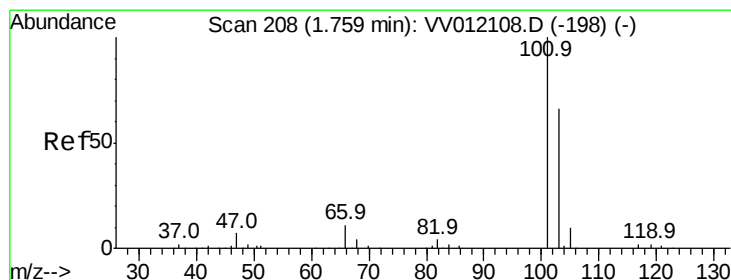
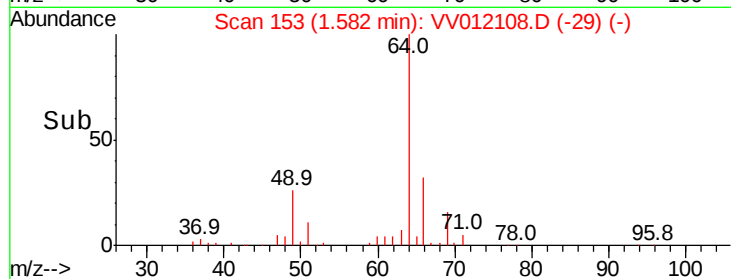
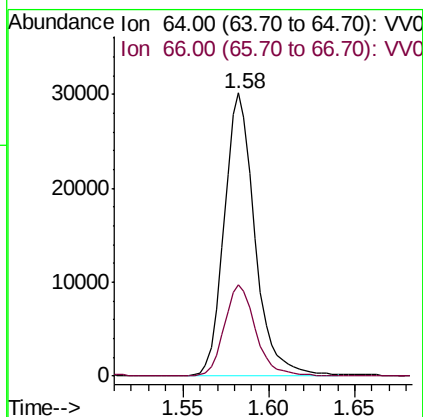
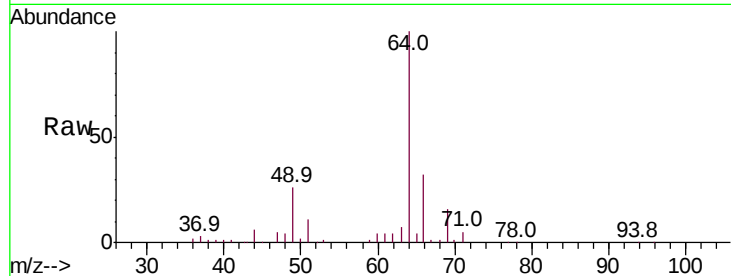




#8
Chloroethane
Concen: 45.889 ug/L
RT: 1.58 min Scan# 153
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

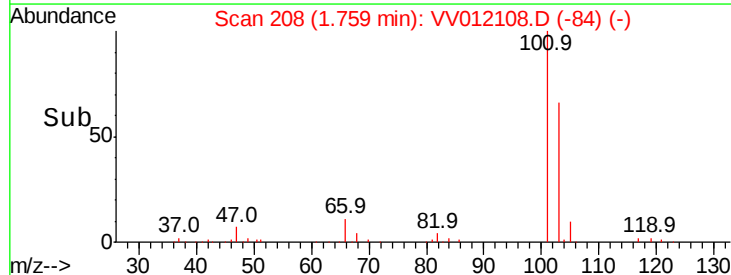
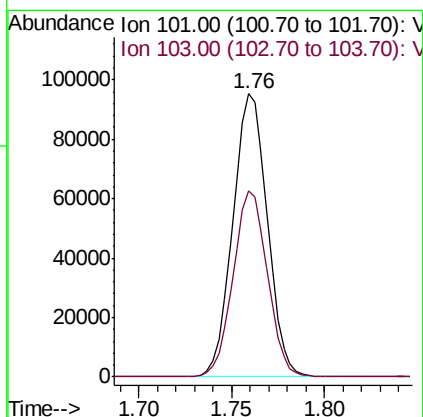
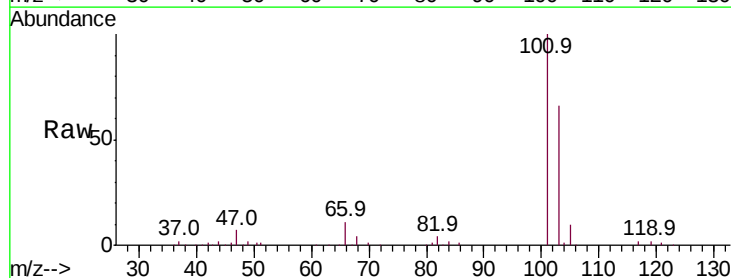
Instrument :
MSVOA_V
ClientSampleId :

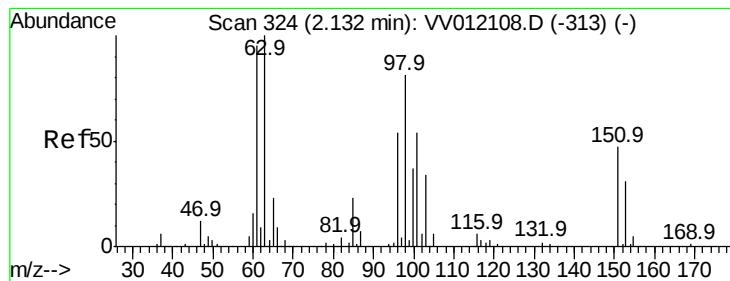
Tot Ion: 64 Resp: 37731
Ion Ratio Lower Upper
64 100
66 32.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 48.249 ug/L
RT: 1.76 min Scan# 208
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Tgt Ion: 101 Resp: 123160
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7





#10

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

Concen: 47.989 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampled :

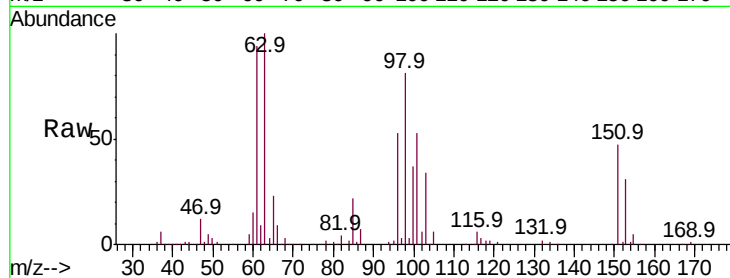
Tot Ion:101 Resp: 60049

Ion Ratio Lower Upper

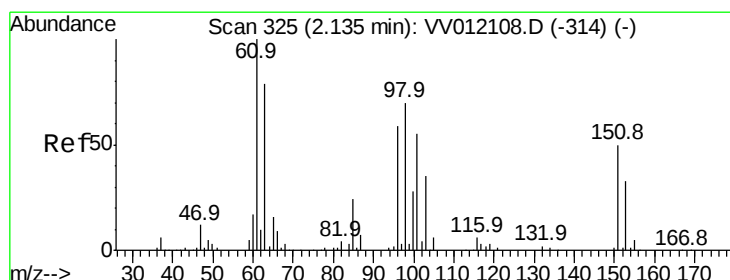
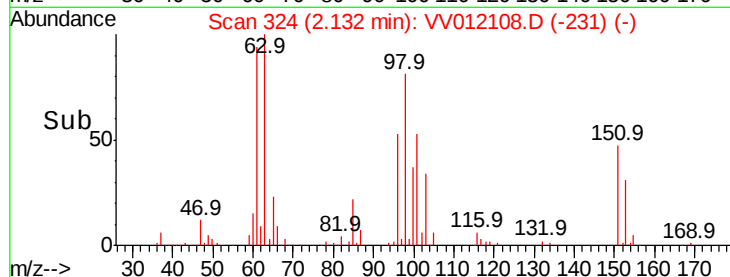
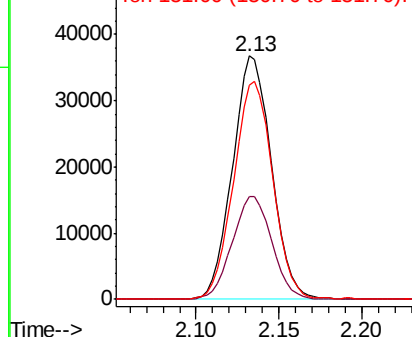
101 100

85 43.0 34.4 51.6

151 90.2 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VV0
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.797 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

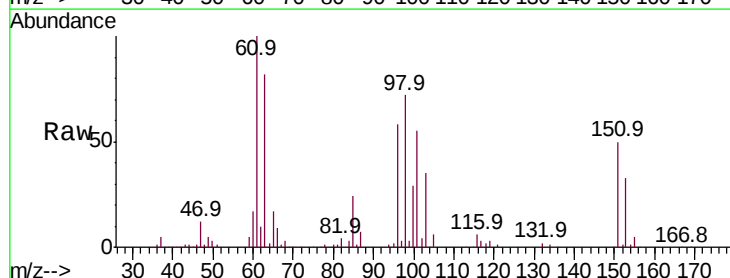
Tgt Ion: 96 Resp: 55140

Ion Ratio Lower Upper

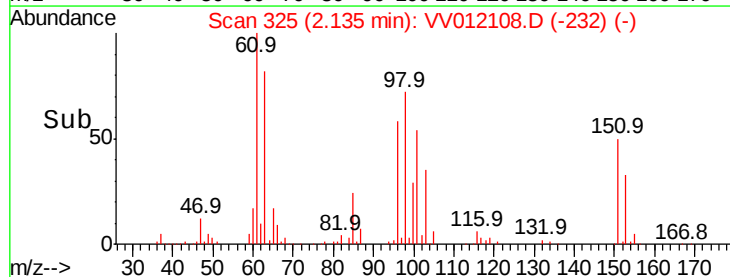
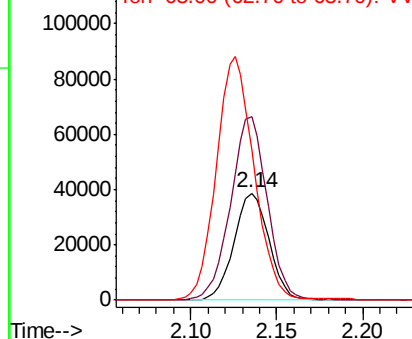
96 100

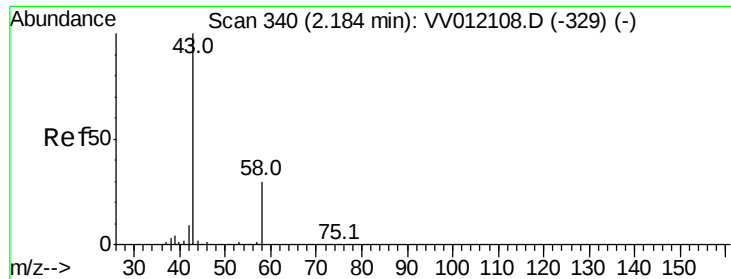
61 171.5 120.0 223.0

63 140.5 98.3 182.7



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 93.986 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

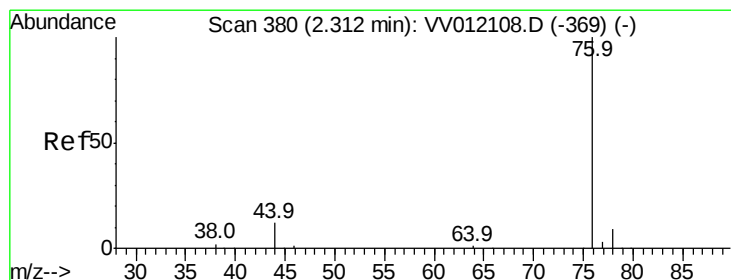
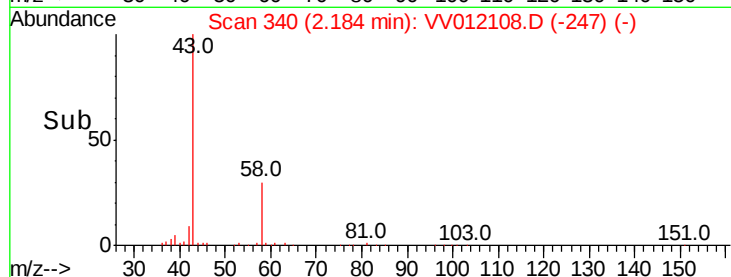
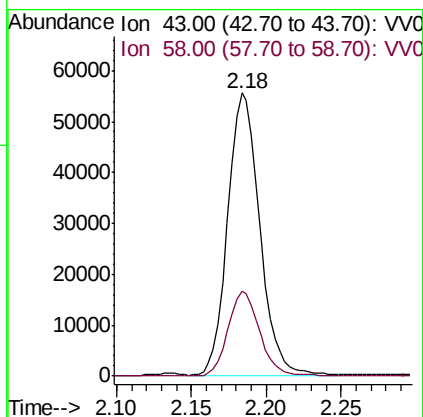
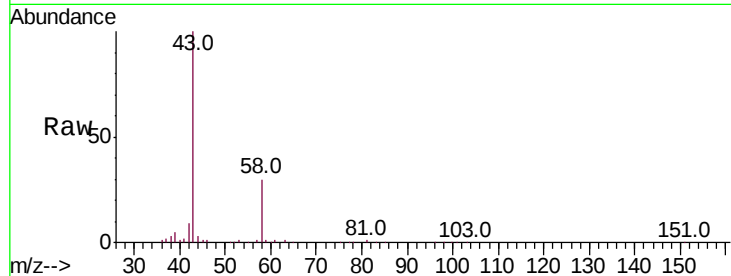
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 82773

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.2



#14

Carbon disulfide

Concen: 46.749 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV012108.D

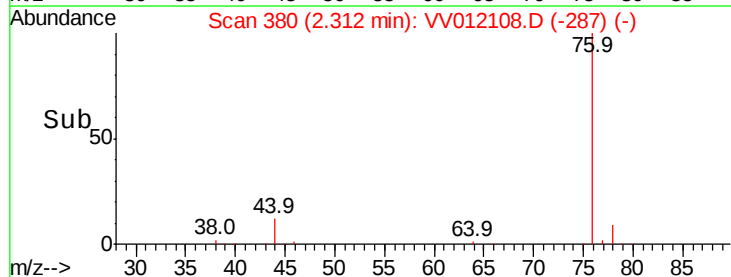
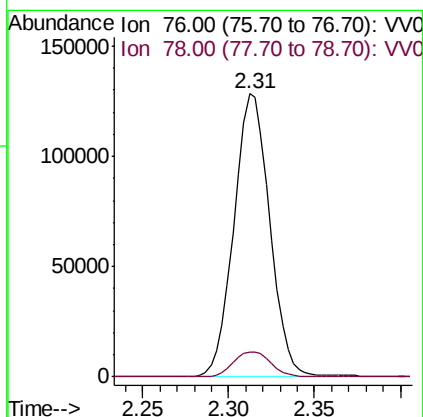
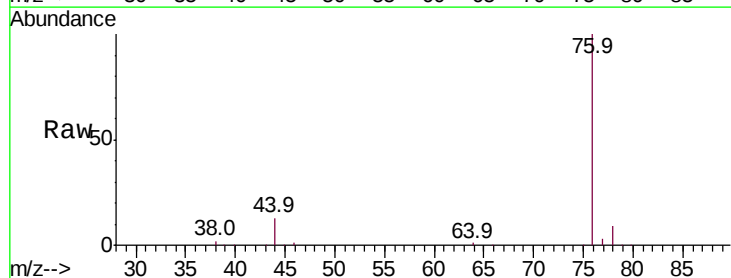
Acq: 06 Aug 2019 10:46

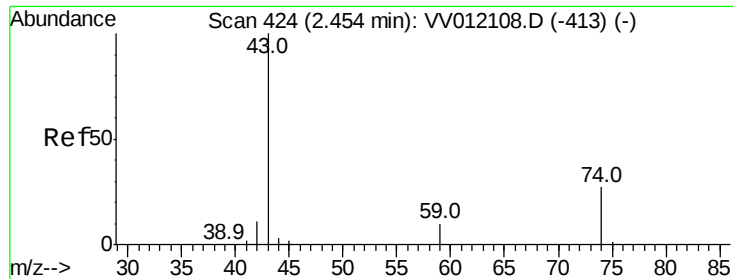
Tgt Ion: 76 Resp: 186144

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

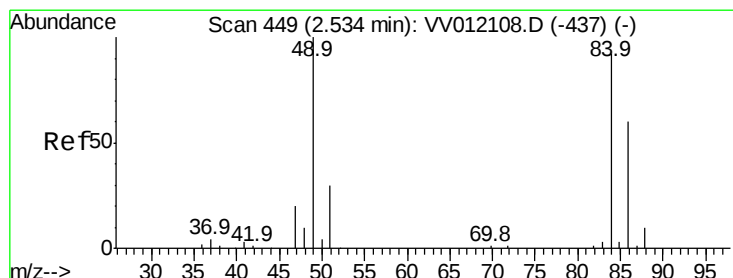
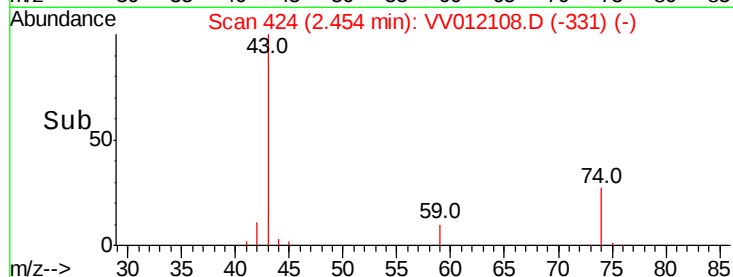
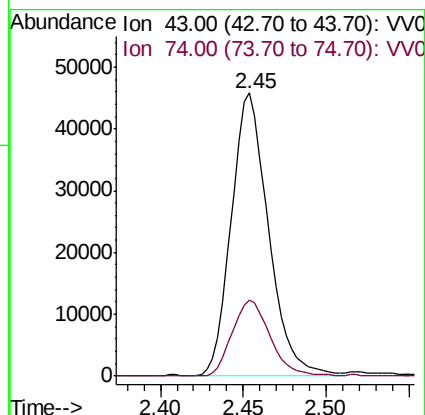
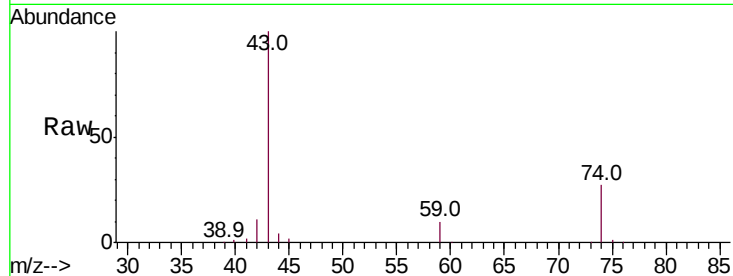




#15
Methvl Acetate
Concen: 46.677 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

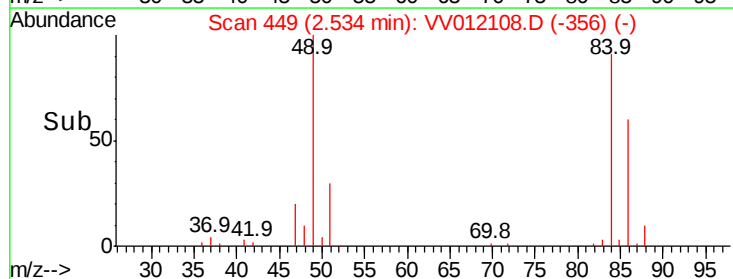
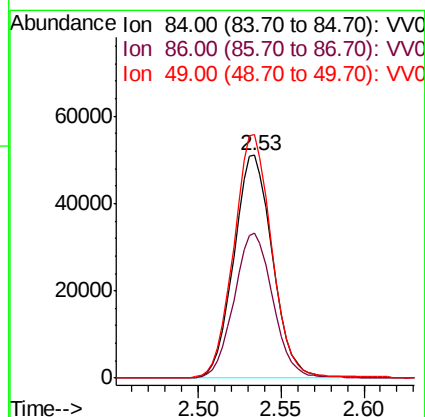
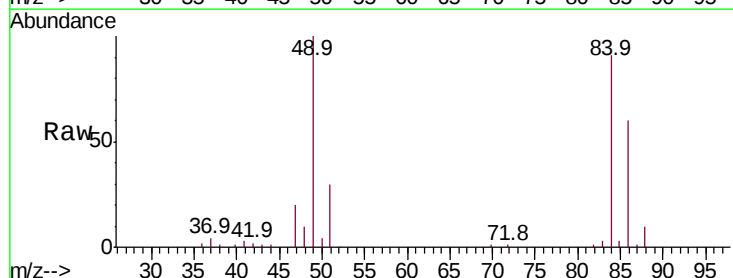
Instrument :
MSVOA_V
ClientSampled :

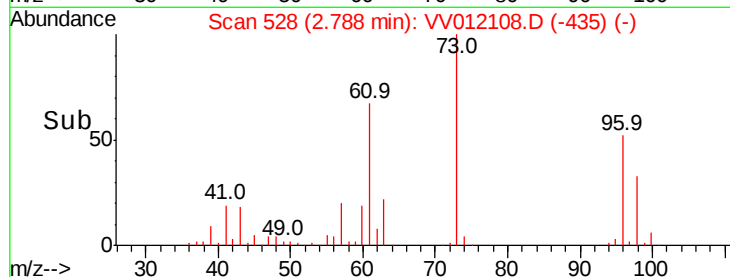
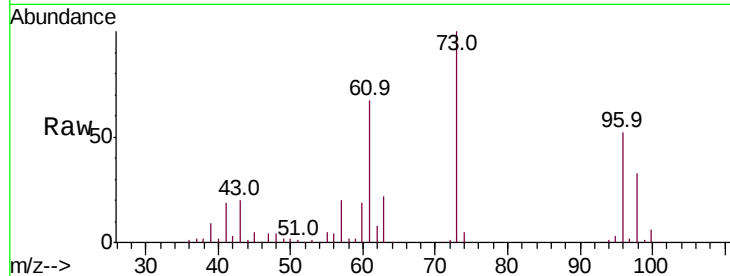
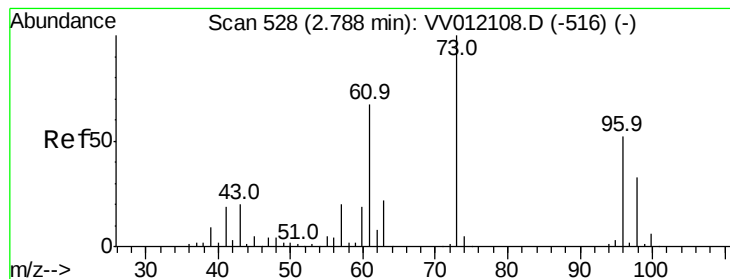
Tot Ion: 43 Resp: 71928
Ion Ratio Lower Upper
43 100
74 27.2 21.8 32.6



#16
Methylene chloride
Concen: 46.256 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Tgt Ion: 84 Resp: 82696
Ion Ratio Lower Upper
84 100
86 65.3 45.7 84.9
49 109.4 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 47.214 ug/L

RT: 2.79 min Scan# 528

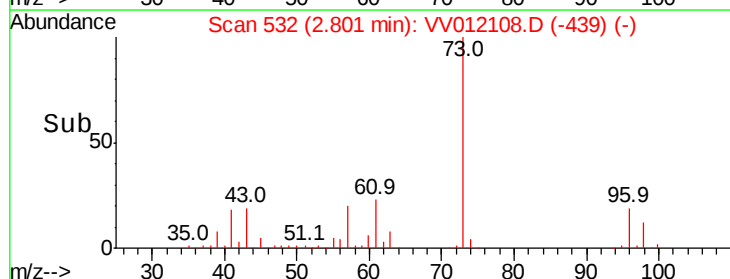
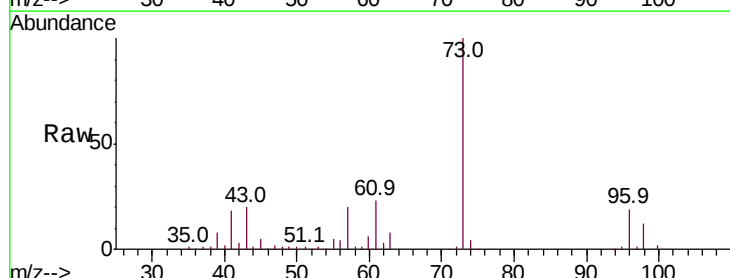
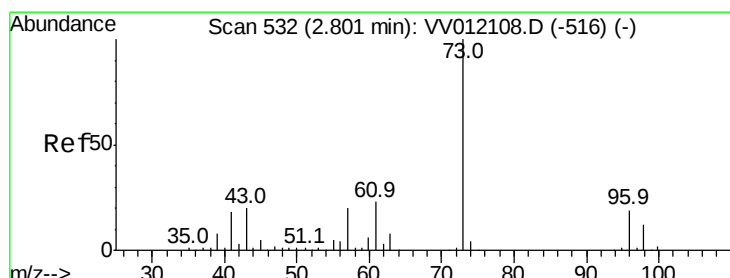
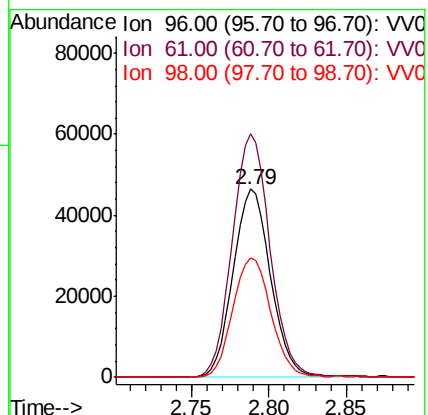
Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Tot Ion: 96 Resp: 78554

Ion	Ratio	Lower	Upper
96	100		
61	129.5	90.6	168.3
98	63.2	44.2	82.2



#18

Methyl tert-butyl Ether

Concen: 48.103 ug/L

RT: 2.80 min Scan# 532

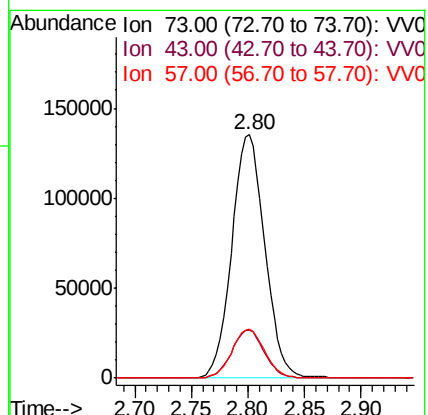
Delta R.T. 0.00 min

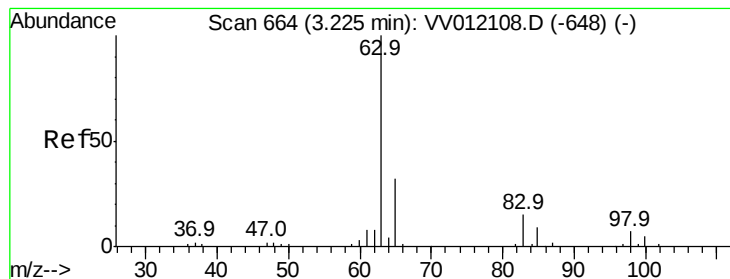
Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Tgt Ion: 73 Resp: 275007

Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.6	23.4
57	20.0	16.0	24.0





#19

1,1-Dichloroethane

Concen: 46.502 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampled :

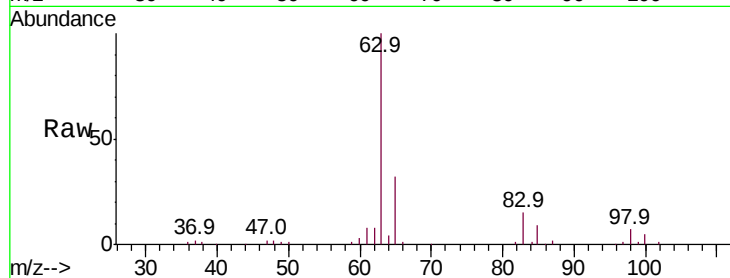
Tot Ion: 63 Resp: 141092

Ion Ratio Lower Upper

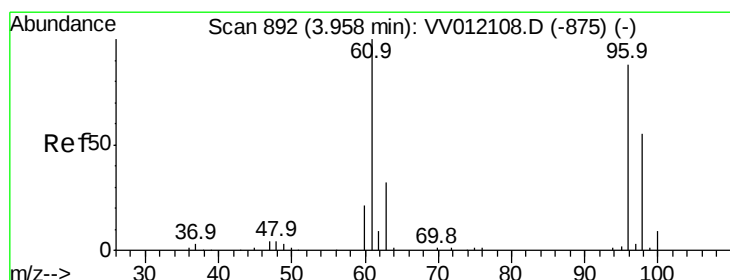
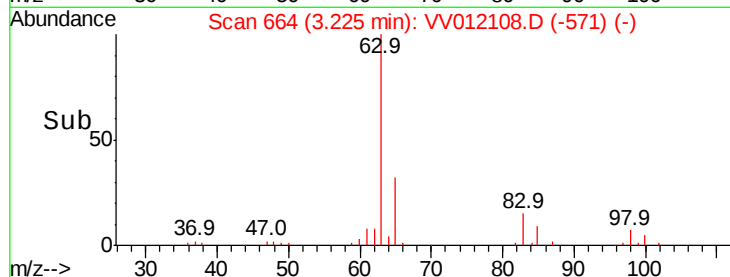
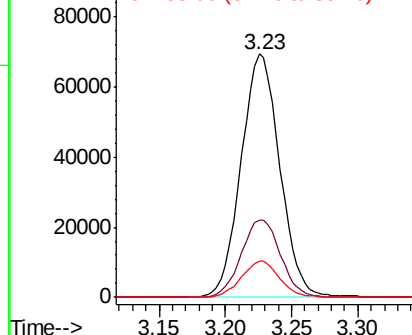
63 100

65 31.8 22.3 41.3

83 14.7 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 48.190 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

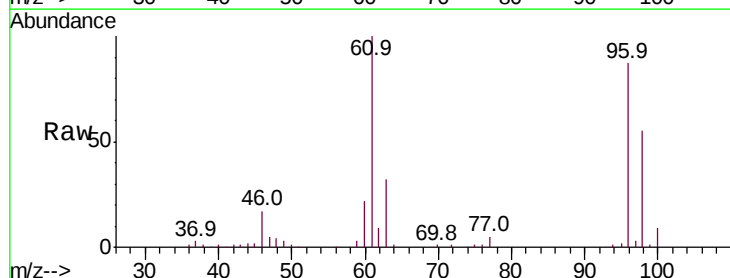
Tgt Ion: 96 Resp: 94439

Ion Ratio Lower Upper

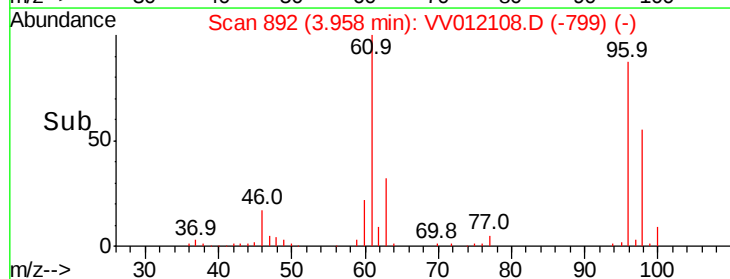
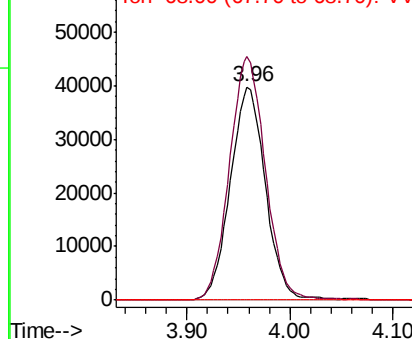
96 100

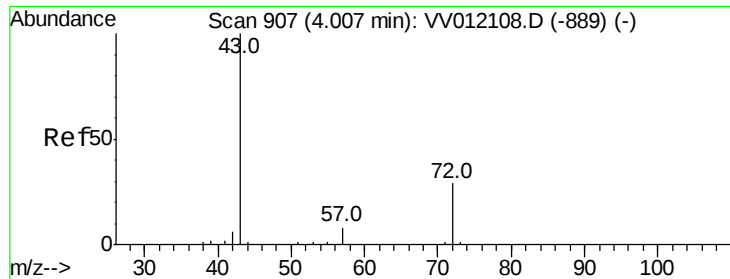
61 114.3 80.0 148.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 96.109 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

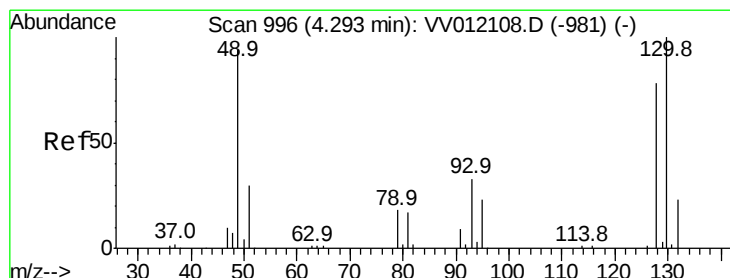
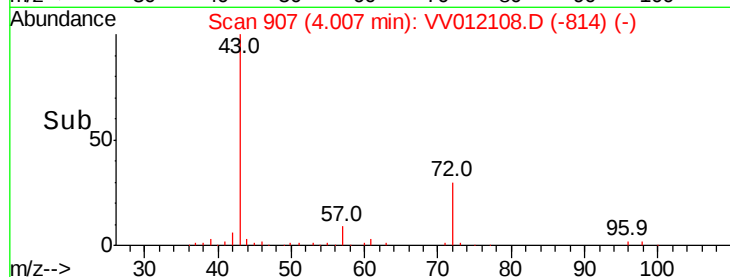
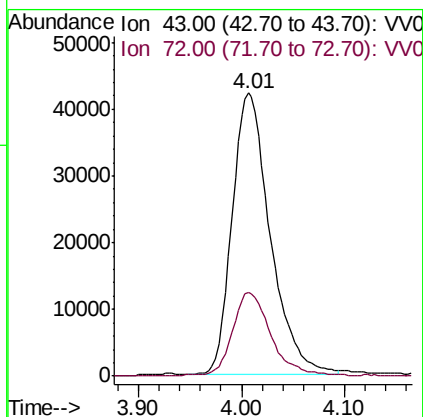
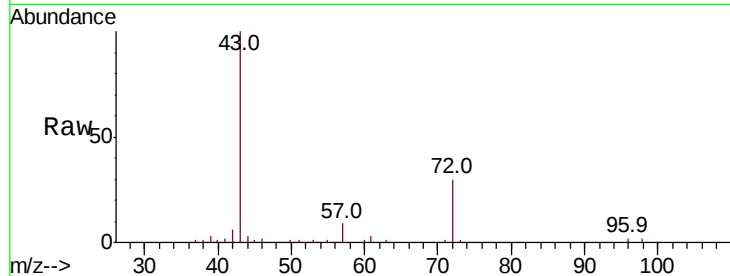
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 109084

Ion Ratio Lower Upper

43 100

72 30.0 15.0 45.0



#23

Bromochloromethane

Concen: 46.690 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Tgt Ion: 128 Resp: 50314

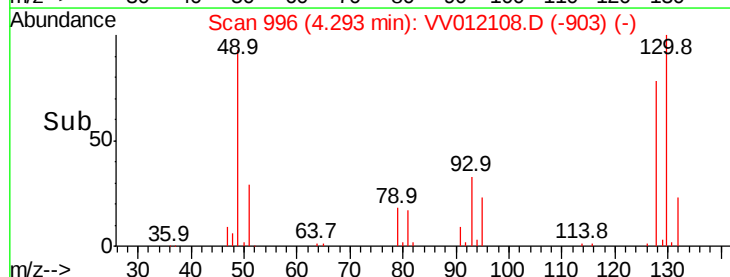
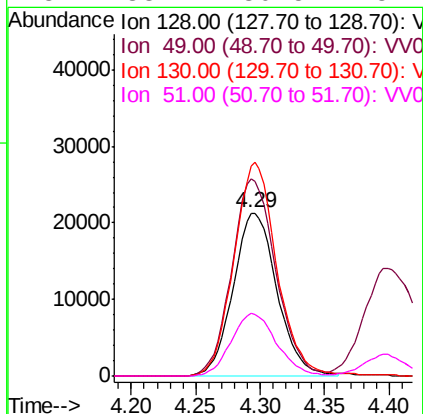
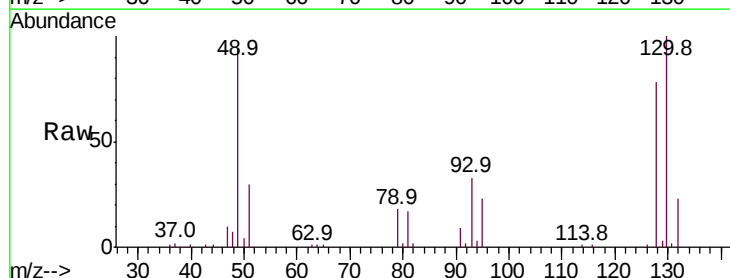
Ion Ratio Lower Upper

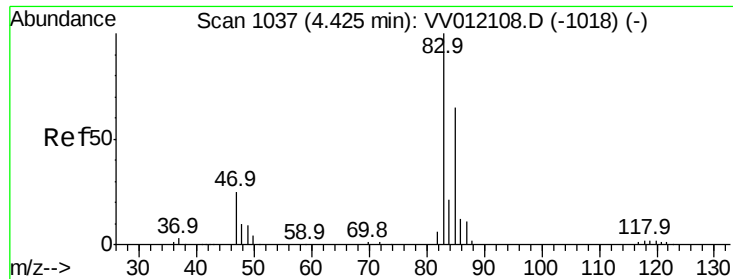
128 100

49 120.9 84.6 157.2

130 128.5 89.9 167.0

51 38.1 30.5 45.7

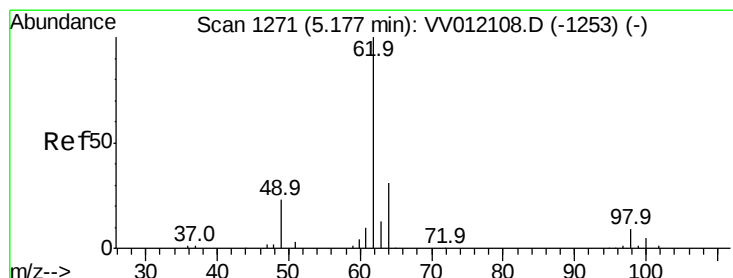
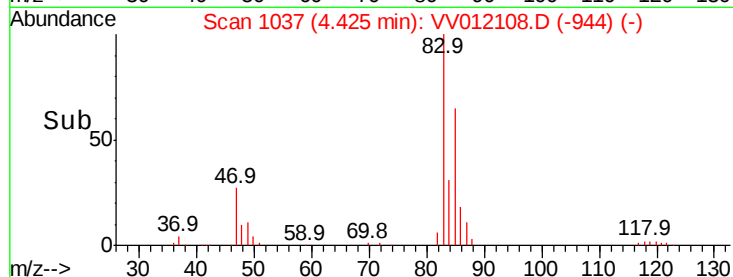
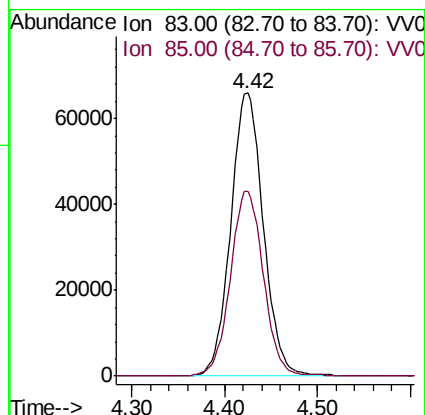
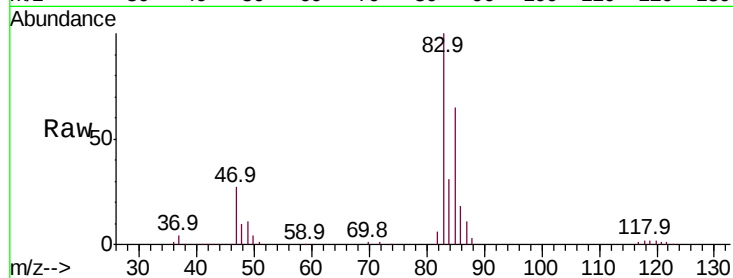




#25
Chloroform
Concen: 46.764 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

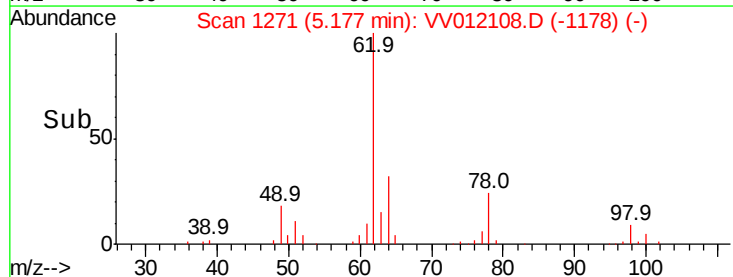
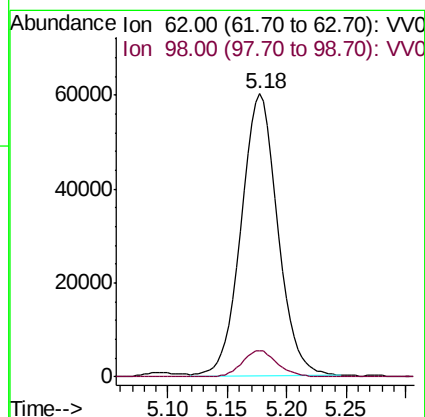
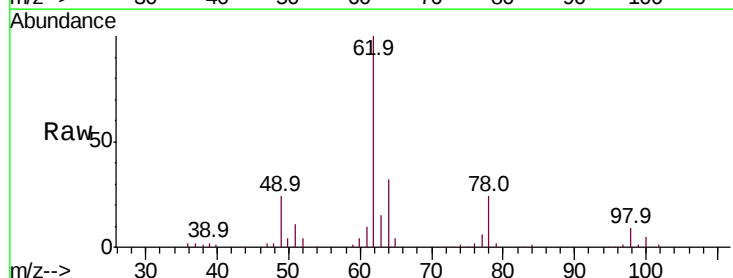
Instrument :
MSVOA_V
ClientSampleId :

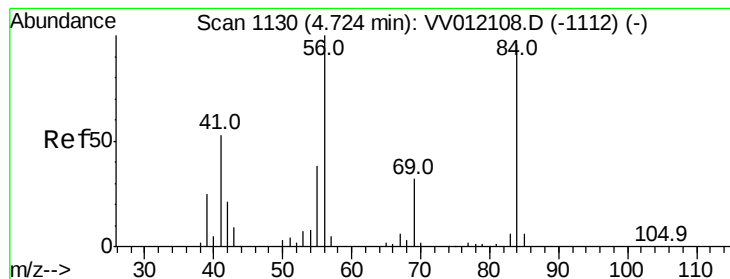
Tot Ion: 83 Resp: 160832
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 47.676 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Tgt Ion: 62 Resp: 127440
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3





#29

Cvclohexane

Concen: 48.677 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :

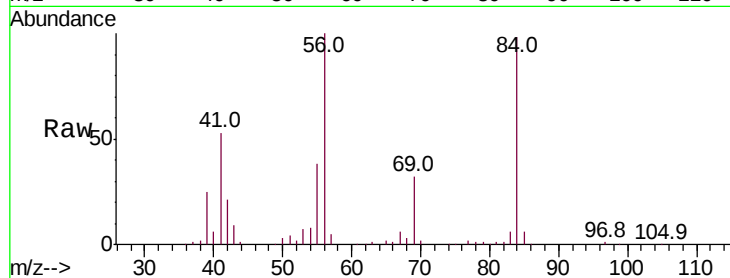
Tot Ion: 56 Resp: 120695

Ion Ratio Lower Upper

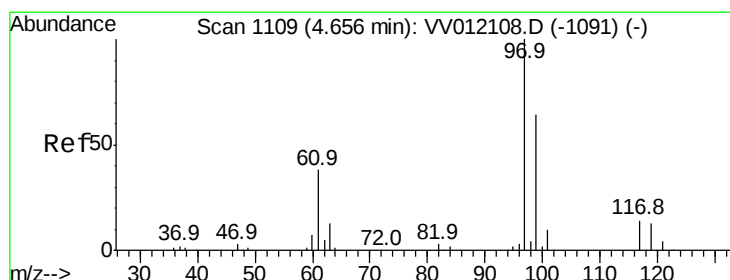
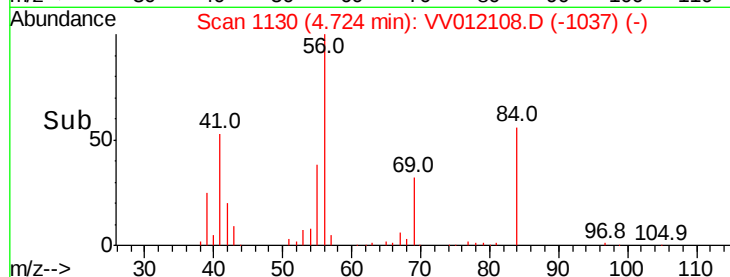
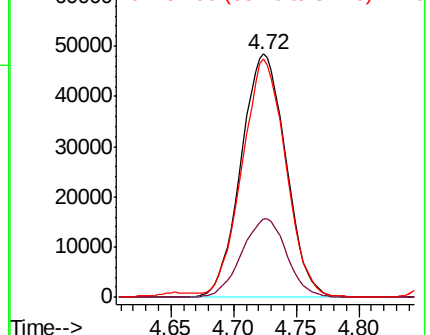
56 100

69 32.3 25.8 38.8

84 95.0 76.0 114.0



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



#30

1,1,1-Trichloroethane

Concen: 48.118 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

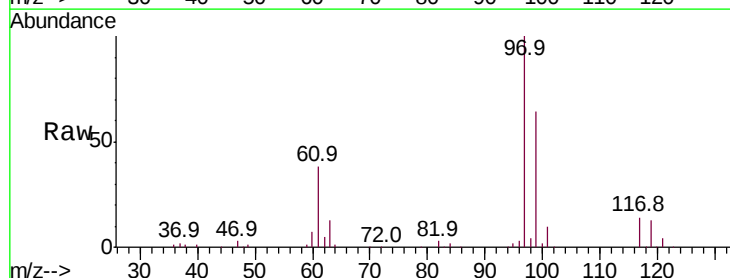
Tgt Ion: 97 Resp: 151566

Ion Ratio Lower Upper

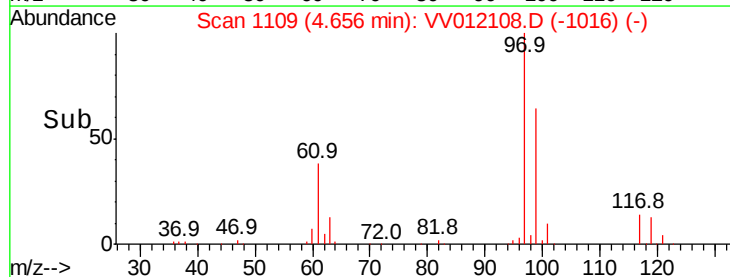
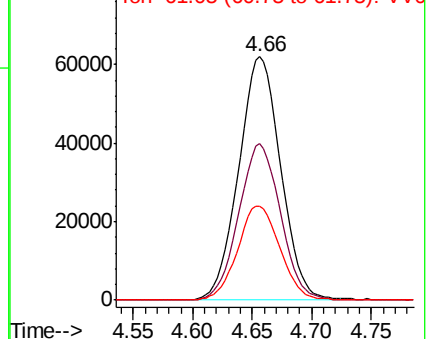
97 100

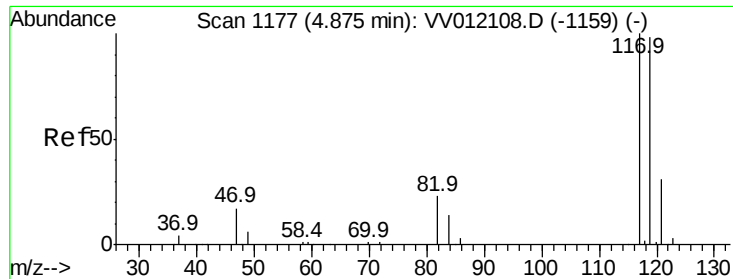
99 63.9 51.1 76.7

61 39.1 31.3 46.9



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

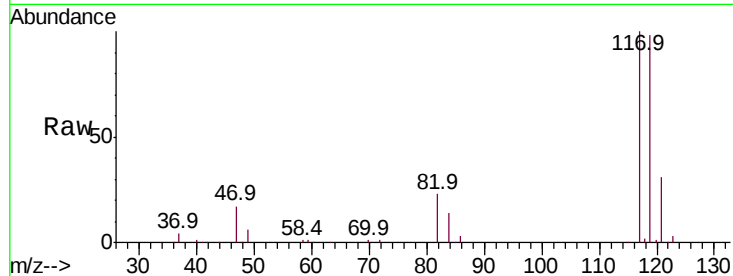




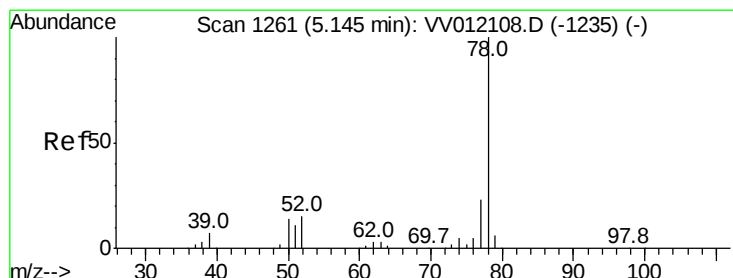
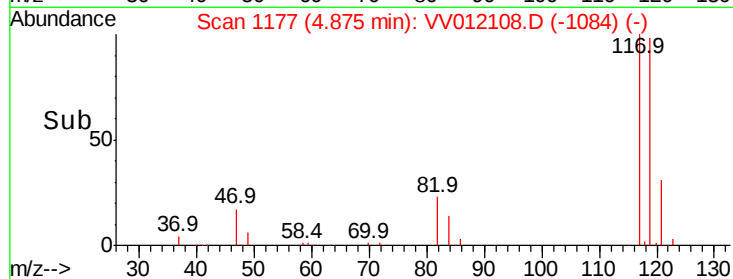
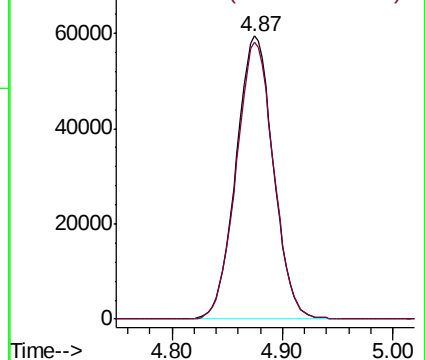
#31
Carbon tetrachloride
Concen: 47.648 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :

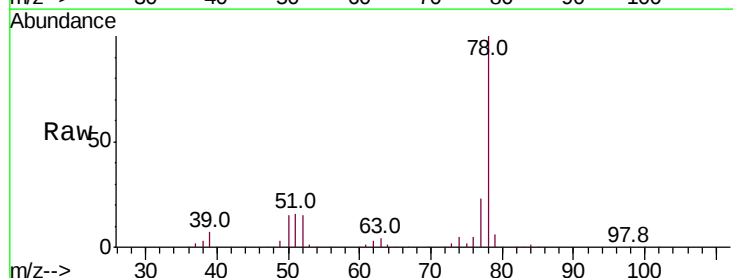
Tot Ion:117 Resp: 139236
Ion Ratio Lower Upper
117 100
119 97.8 78.2 117.4



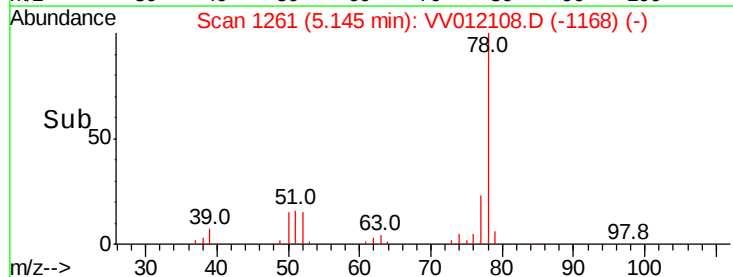
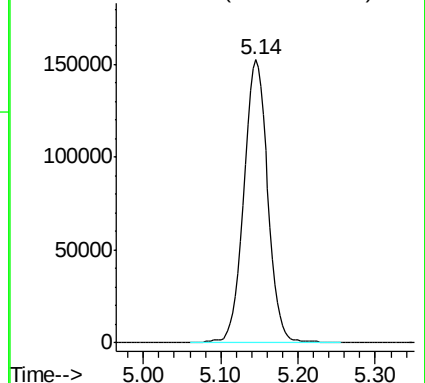
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

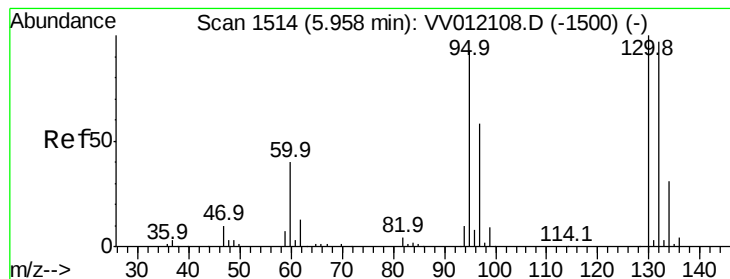


#33
Benzene
Concen: 48.060 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46
Tgt Ion: 78 Resp: 328051



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.894 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 90866

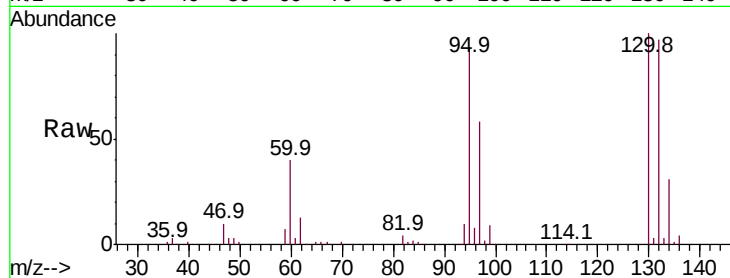
Ion Ratio Lower Upper

95 100

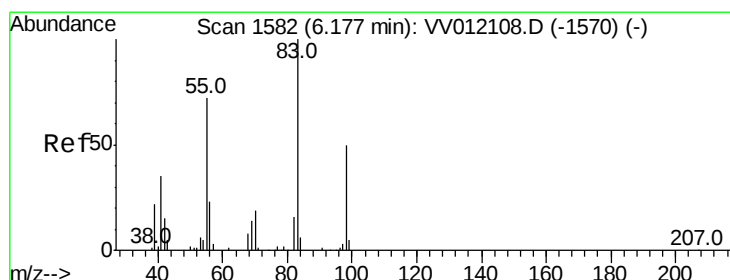
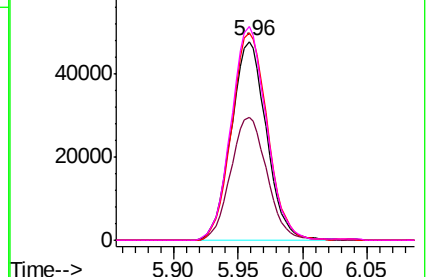
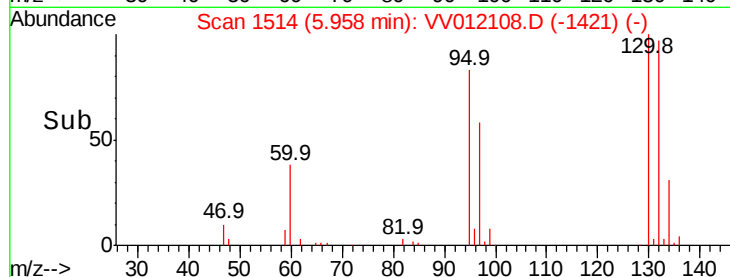
97 62.0 43.4 80.6

132 104.5 73.1 135.8

130 107.5 75.3 139.8



Abundance Ion 95.00 (94.70 to 95.70): VV0
Ion 97.00 (96.70 to 97.70): VV0
Ion 132.00 (131.70 to 132.70): VV0
Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 48.407 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

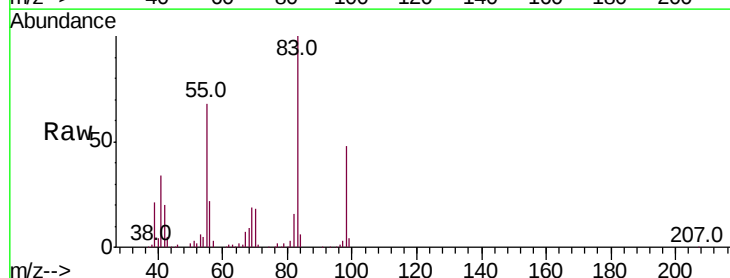
Tgt Ion: 83 Resp: 136693

Ion Ratio Lower Upper

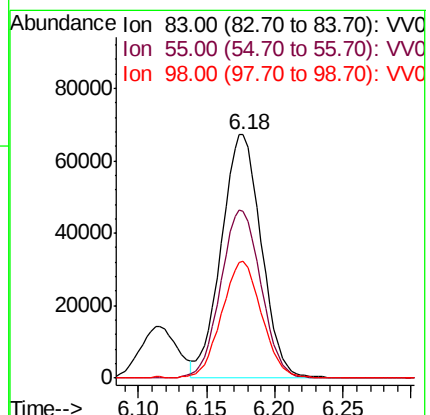
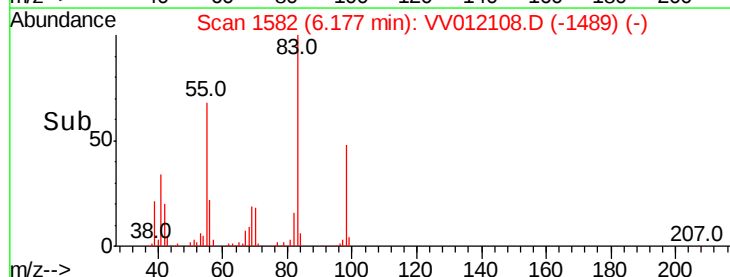
83 100

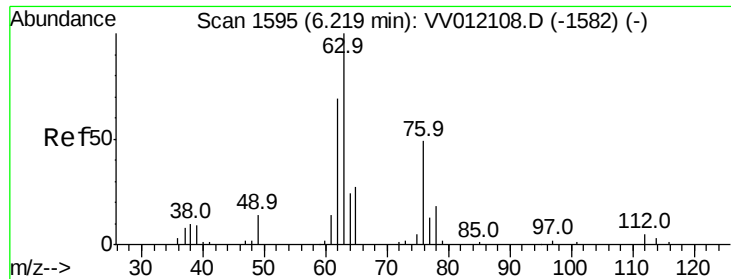
55 69.4 55.5 83.3

98 48.1 38.5 57.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

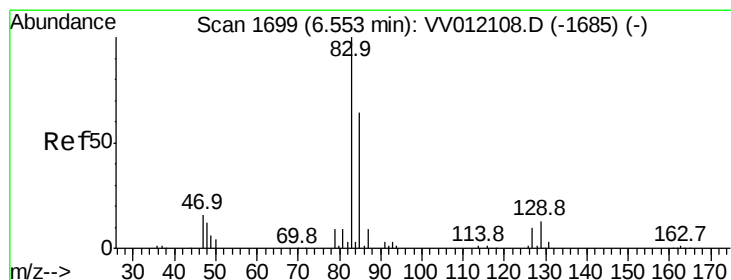
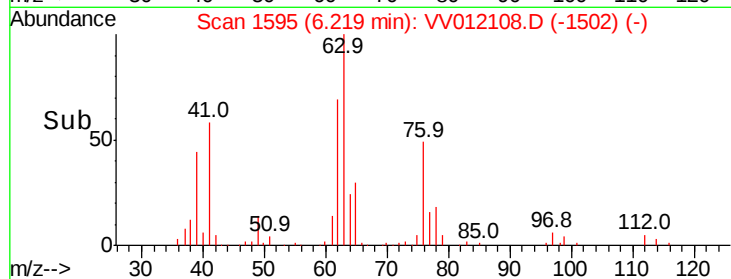
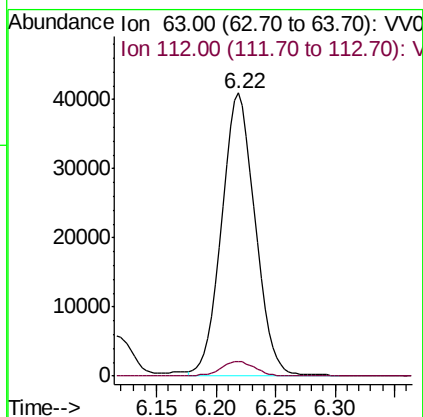
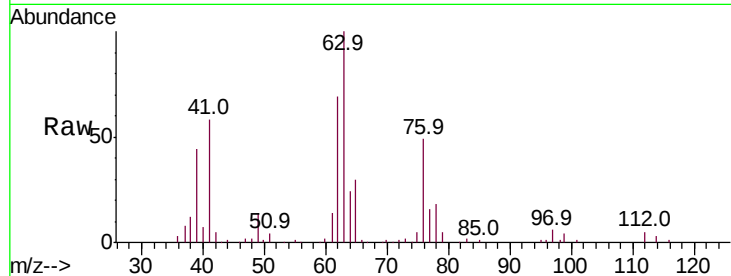




#37
 1,2-Dichloropropane
 Concen: 48.123 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

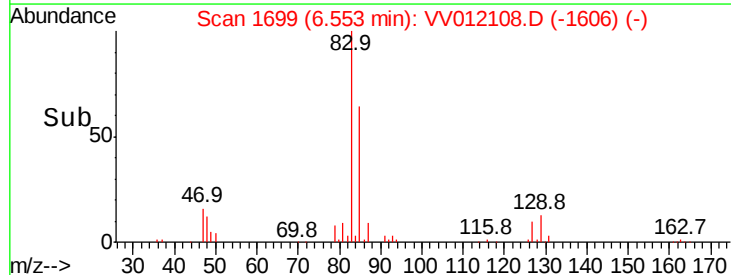
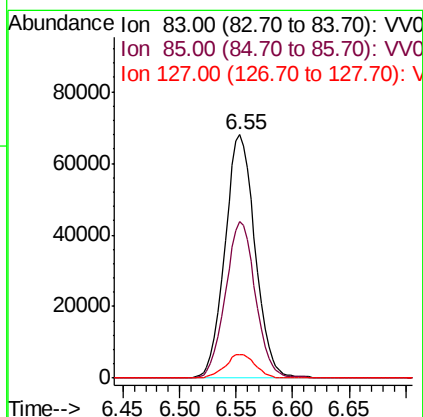
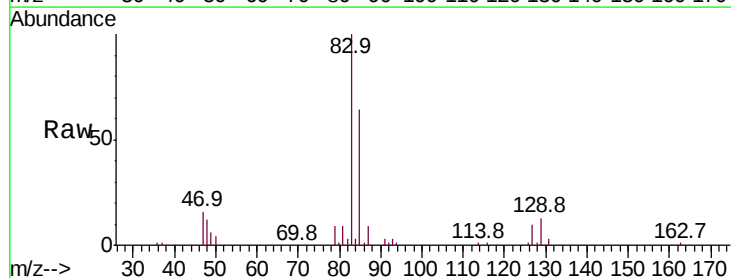
Instrument :
 MSVOA_V
 ClientSampled :

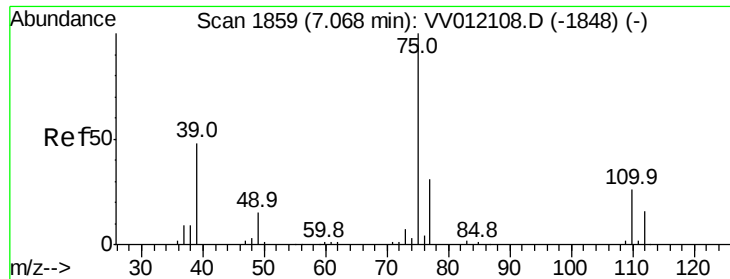
Tot Ion: 63 Resp: 80120
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.2 6.2



#38
 Bromodichloromethane
 Concen: 48.171 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

Tgt Ion: 83 Resp: 126166
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.0 83.6
 127 9.9 7.9 11.9



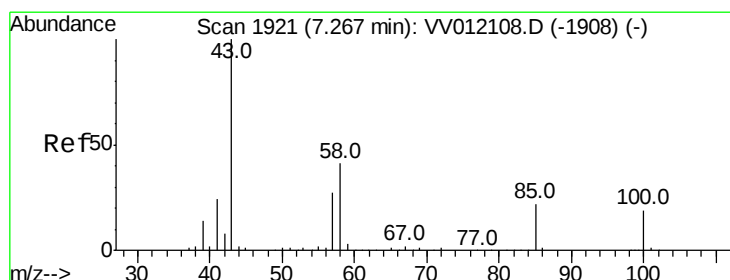
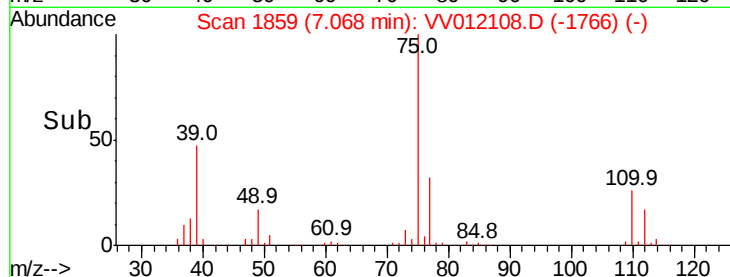
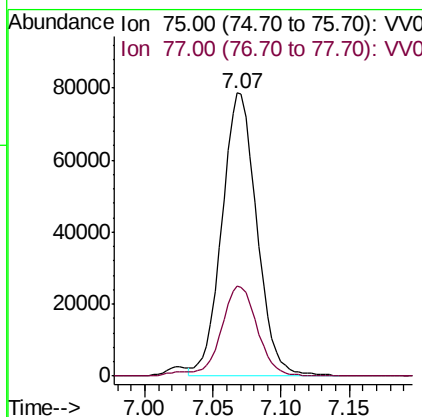
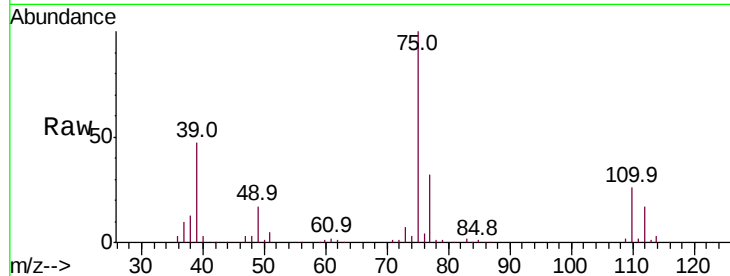


#39

cis-1,3-Dichloropropene
Concen: 47.455 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :

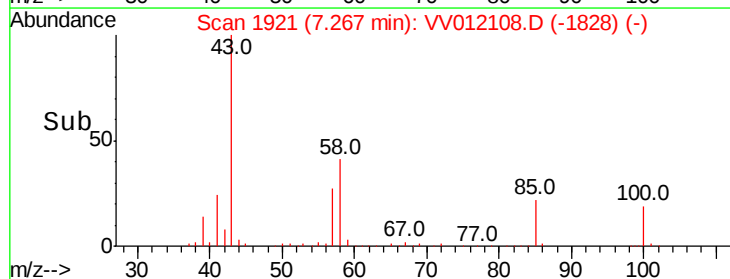
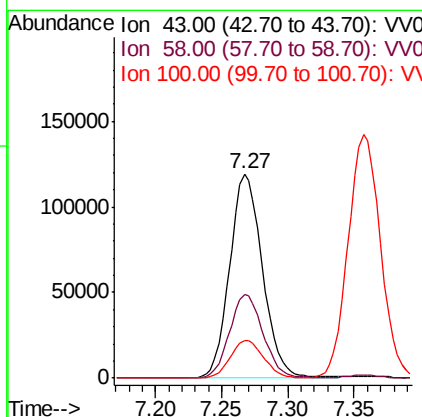
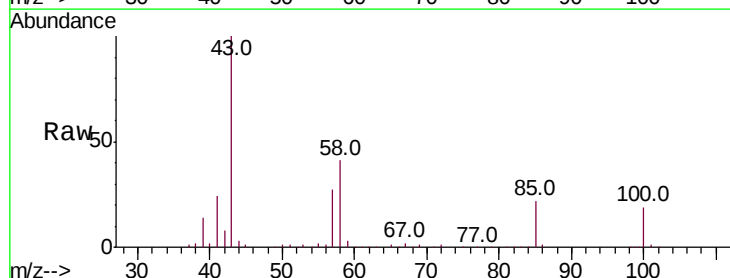
Tot Ion: 75 Resp: 139296
Ion Ratio Lower Upper
75 100
77 31.9 22.3 41.5

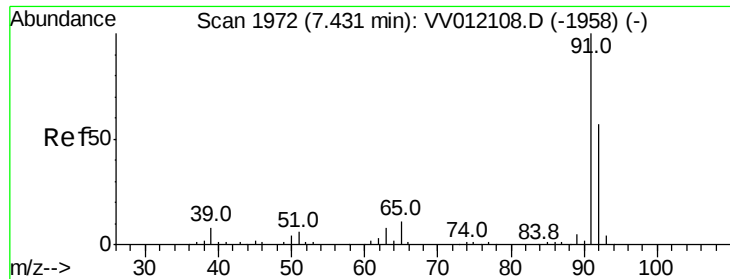


#40

4-Methyl-2-pentanone
Concen: 95.949 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Tgt Ion: 43 Resp: 205600
Ion Ratio Lower Upper
43 100
58 41.8 33.4 50.2
100 18.7 15.0 22.4





#42

Toluene

Concen: 48.664 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :

MSVOA_V

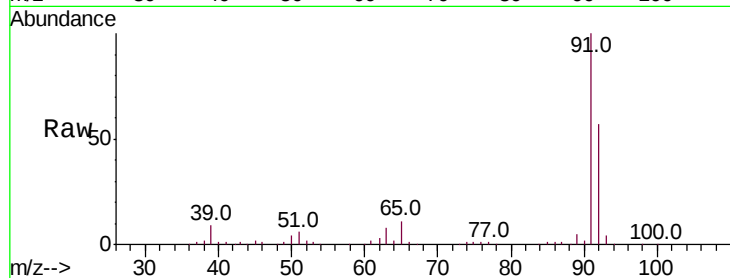
ClientSampleId :

Tot Ion: 91 Resp: 369093

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

250000

200000

150000

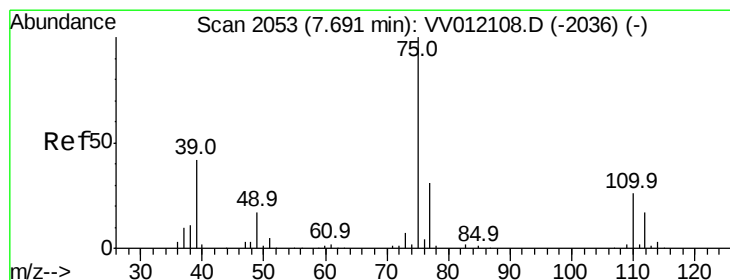
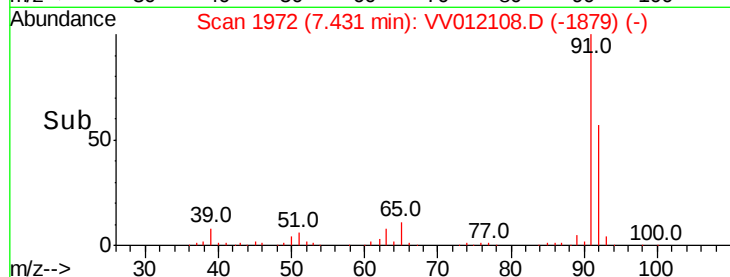
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.396 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012108.D

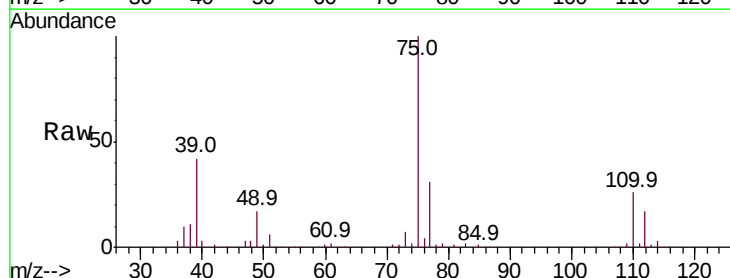
Acq: 06 Aug 2019 10:46

Tgt Ion: 75 Resp: 134099

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

80000

60000

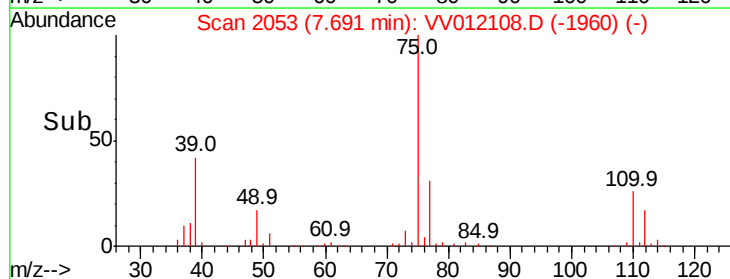
40000

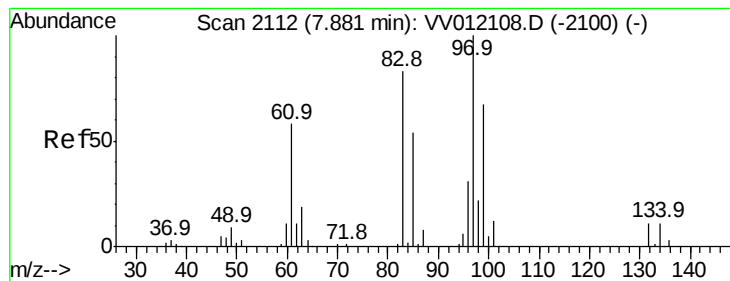
20000

0

7.60 7.65 7.70 7.75 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 47.485 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 85220

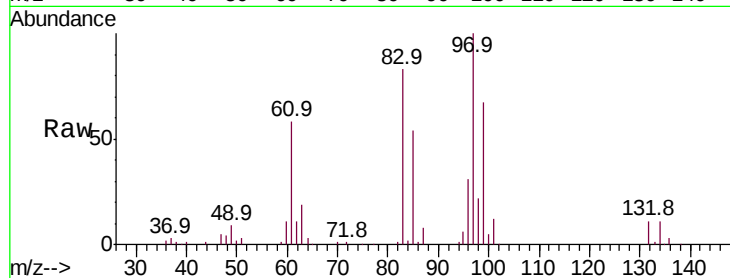
Ion Ratio Lower Upper

97 100

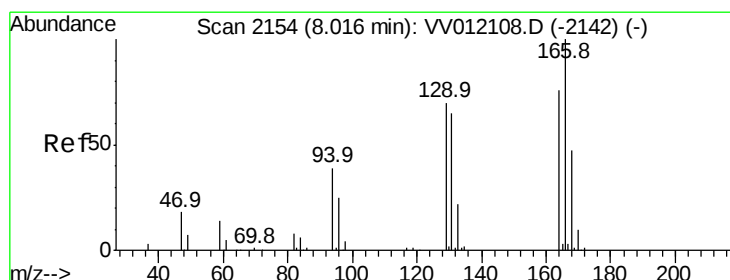
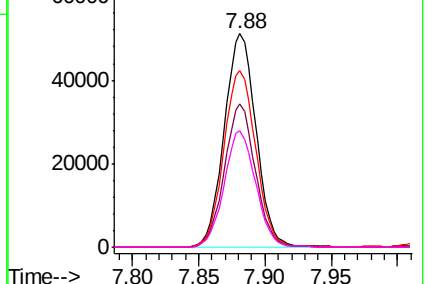
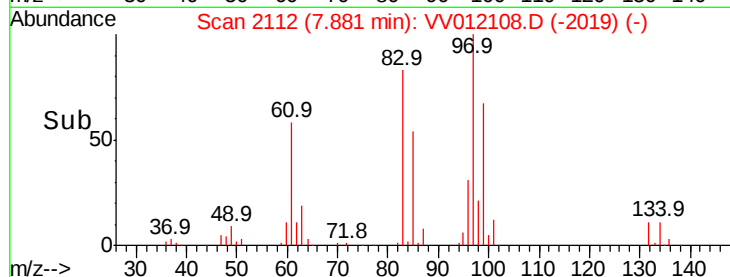
99 67.4 47.2 87.6

83 82.8 58.0 107.6

85 54.3 38.0 70.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 46.877 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Tgt Ion:164 Resp: 82863

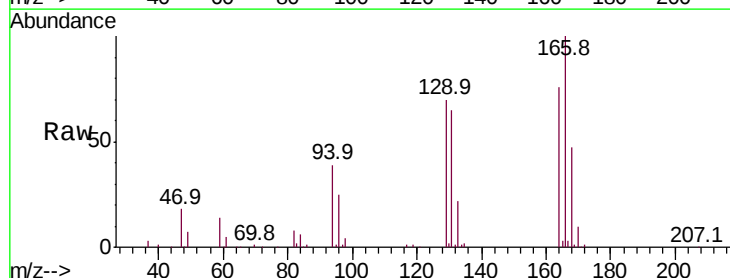
Ion Ratio Lower Upper

164 100

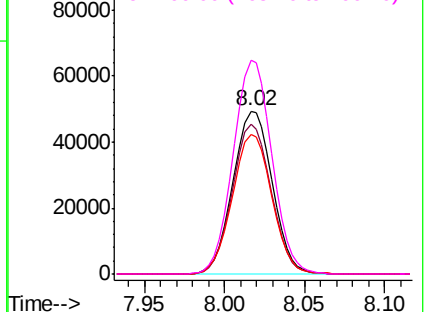
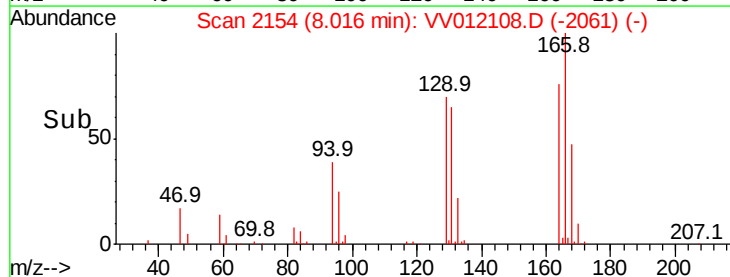
129 91.9 64.3 119.5

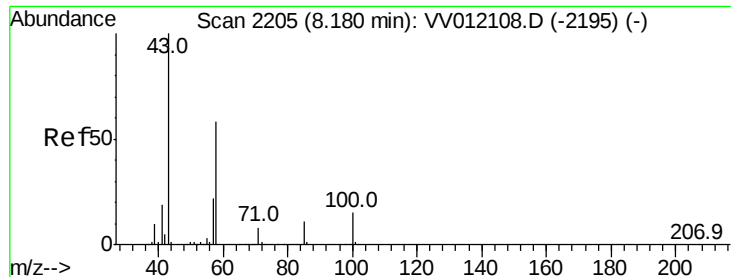
131 85.9 60.1 111.7

166 131.2 91.8 170.6



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

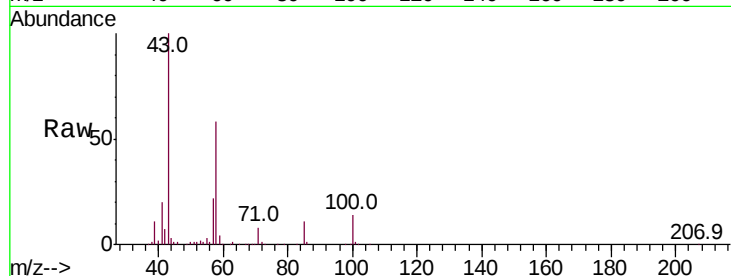




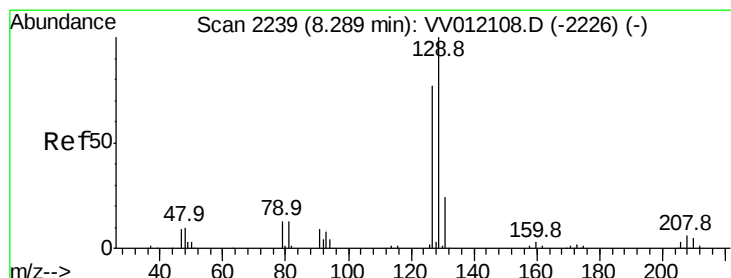
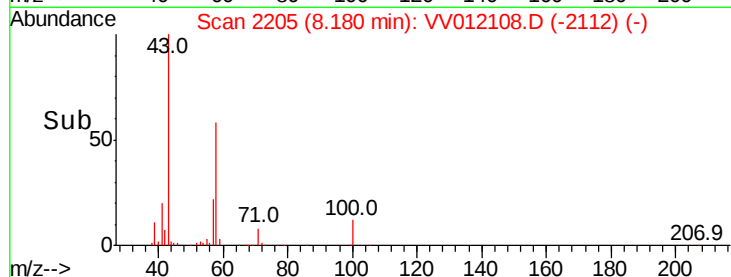
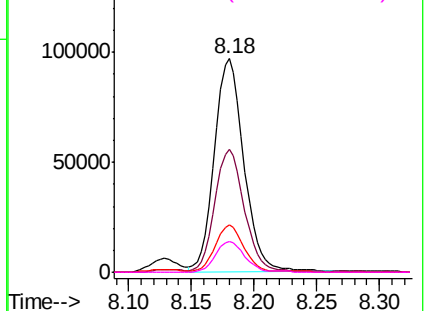
#48
2-Hexanone
Concen: 97.578 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 157636
Ion Ratio Lower Upper
43 100
58 57.0 45.6 68.4
57 21.3 17.0 25.6
100 14.4 11.5 17.3

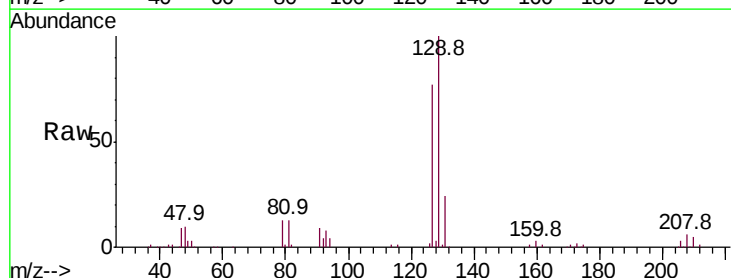


Abundance Ion 43.00 (42.70 to 43.70): VV0
150000
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

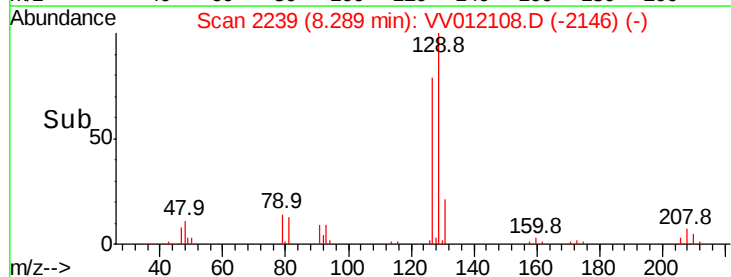
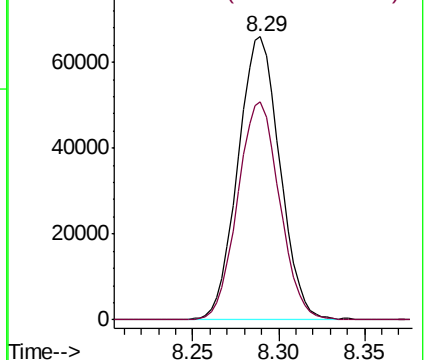


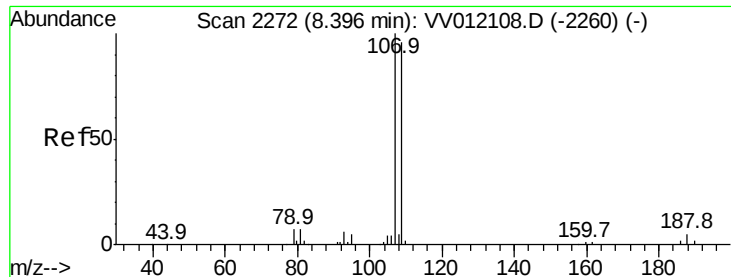
#49
Dibromochloromethane
Concen: 47.867 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Tgt Ion: 129 Resp: 111477
Ion Ratio Lower Upper
129 100
127 76.9 53.8 100.0



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

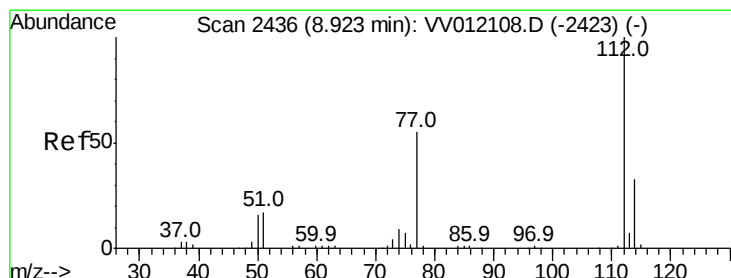
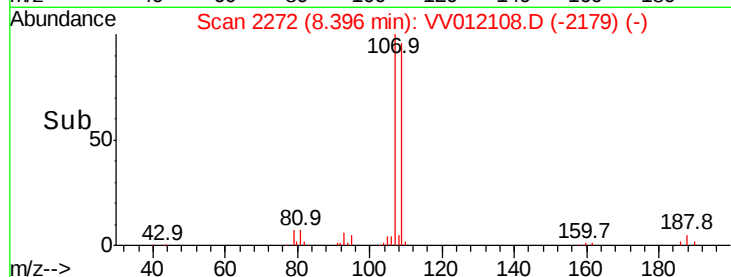
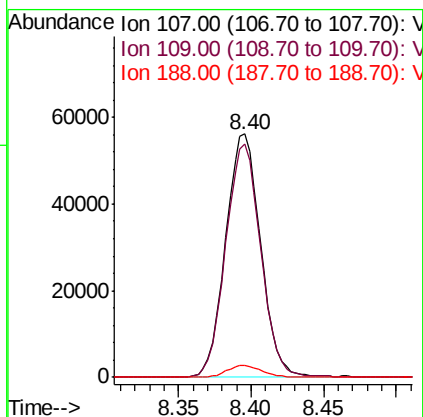
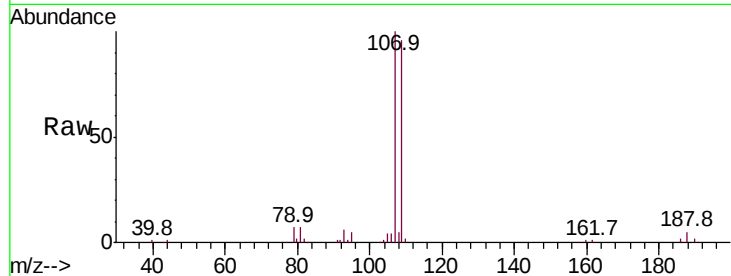




#50
 1,2-Dibromoethane
 Concen: 47.452 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

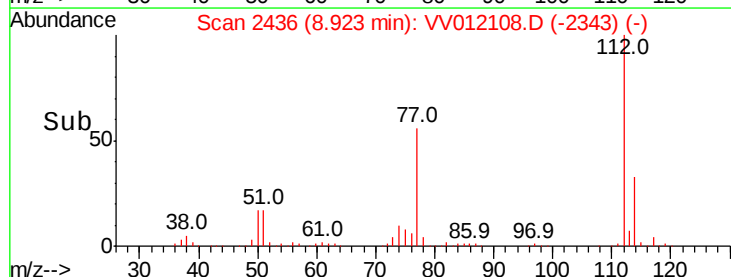
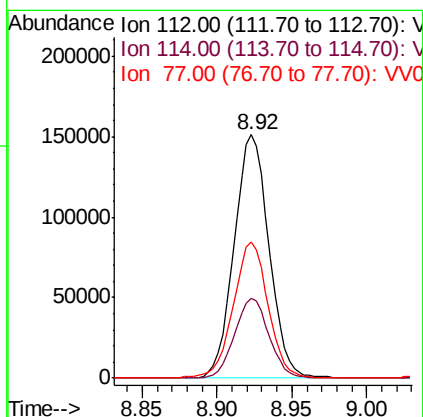
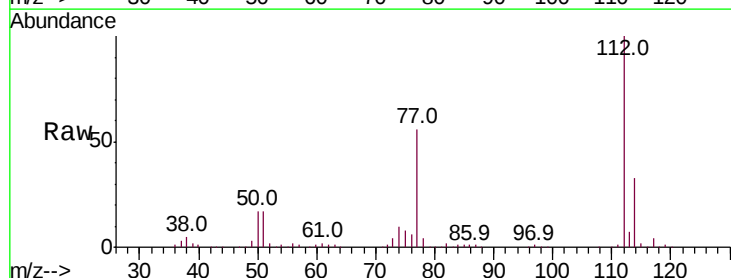
Instrument :
 MSVOA_V
 ClientSampleId :

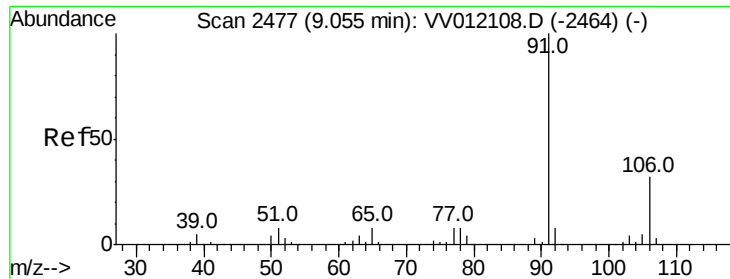
Tot Ion:107 Resp: 94183
 Ion Ratio Lower Upper
 107 100
 109 95.7 67.0 124.4
 188 4.9 3.9 5.9



#51
 Chlorobenzene
 Concen: 47.888 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

Tgt Ion:112 Resp: 244881
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.8 42.4
 77 55.9 44.7 67.1





#52

Ethylbenzene

Concen: 48.321 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

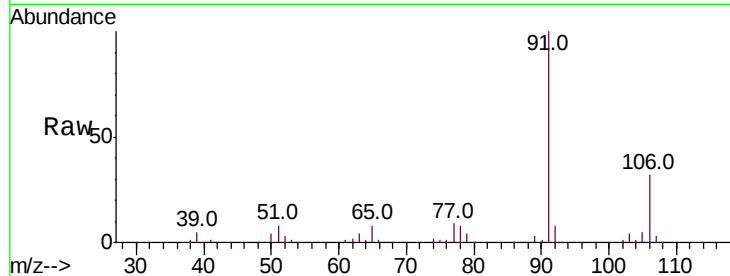
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 411223

Ion Ratio Lower Upper

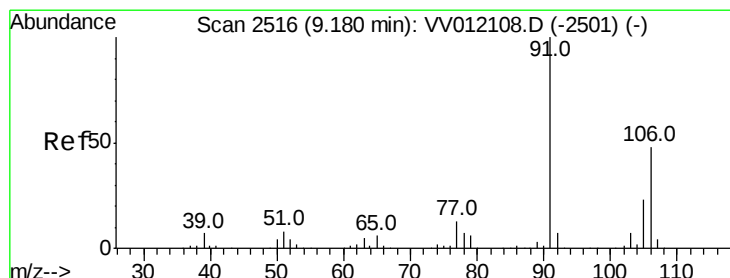
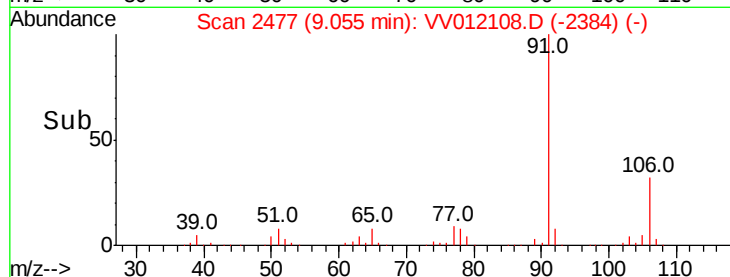
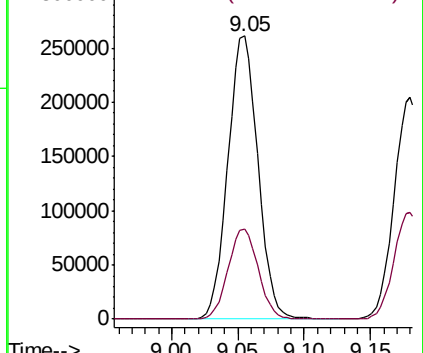
91 100

106 31.9 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 48.580 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012108.D

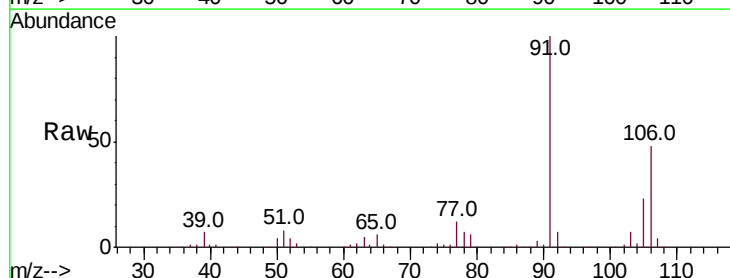
Acq: 06 Aug 2019 10:46

Tgt Ion: 106 Resp: 159485

Ion Ratio Lower Upper

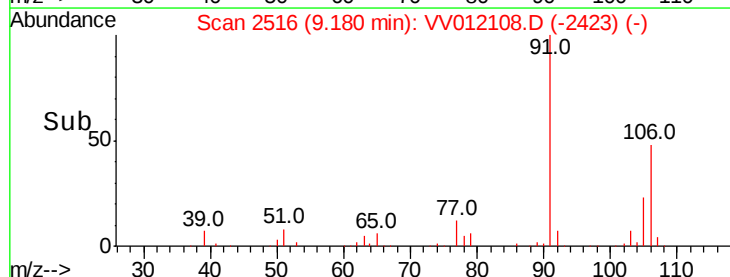
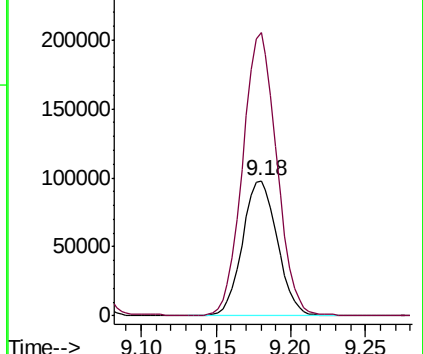
106 100

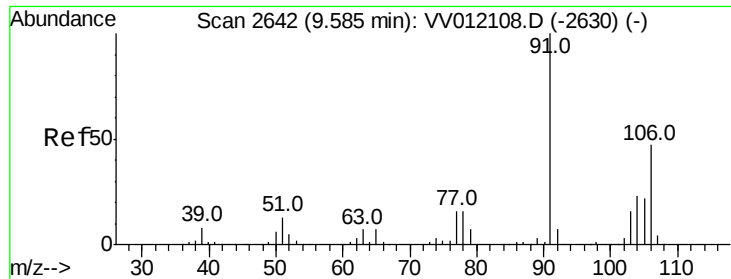
91 209.6 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

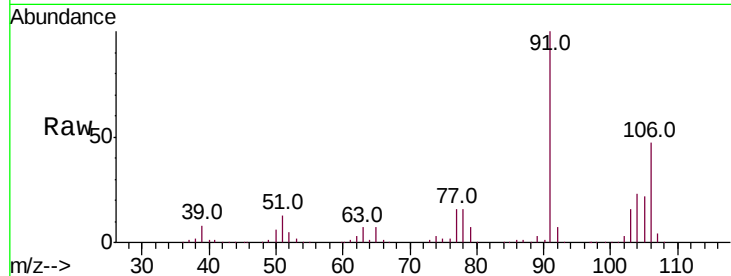




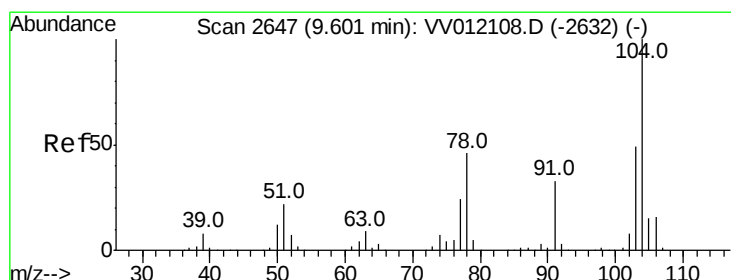
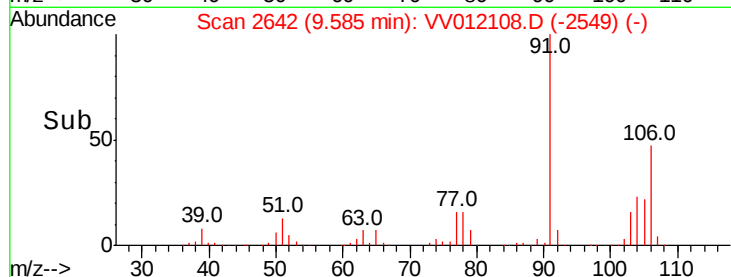
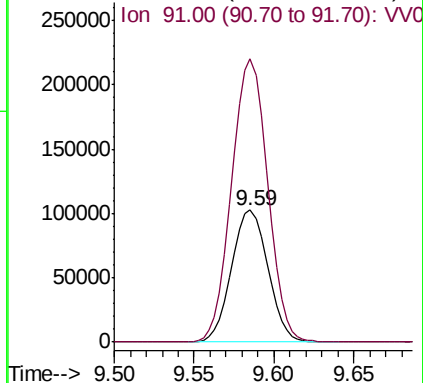
#54
o-Xylene
Concen: 48.979 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 159558
Ion Ratio Lower Upper
106 100
91 214.8 150.4 279.2

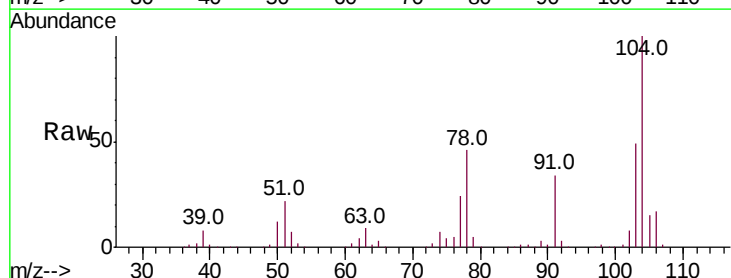


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

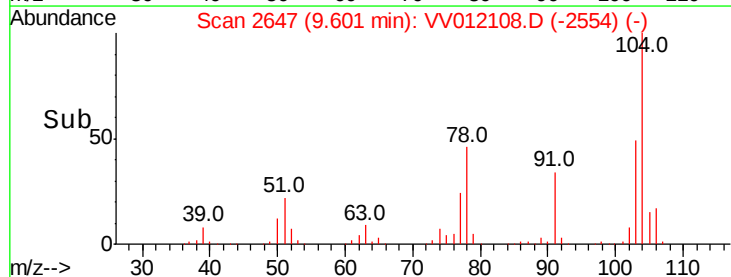
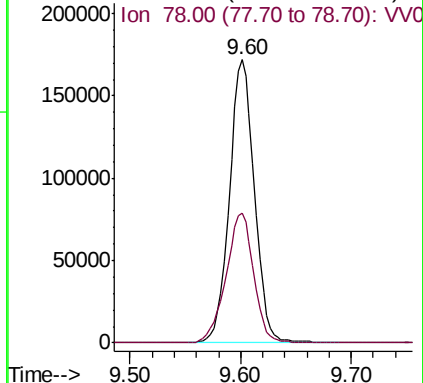


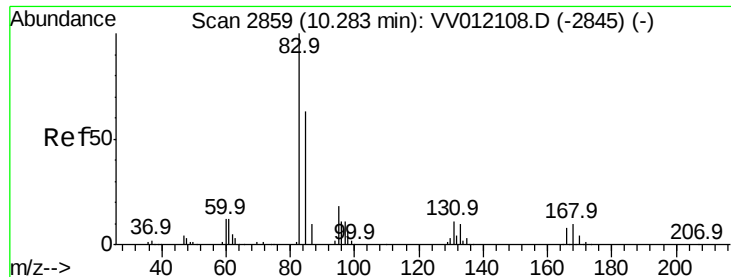
#55
Styrene
Concen: 49.271 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Tgt Ion:104 Resp: 270391
Ion Ratio Lower Upper
104 100
78 45.7 32.0 59.4



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





#57

1,1,2,2-Tetrachloroethane

Concen: 48.101 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :

MSVOA_V

ClientSampled :

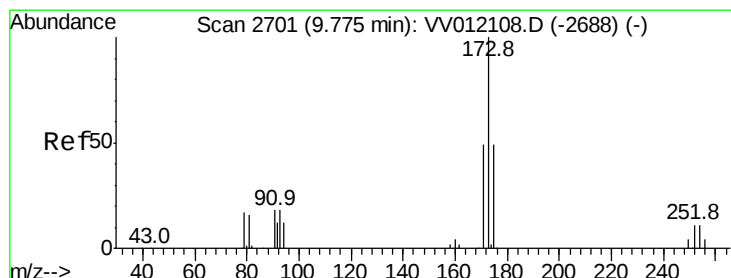
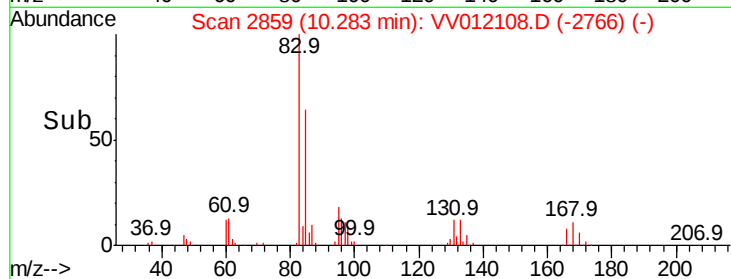
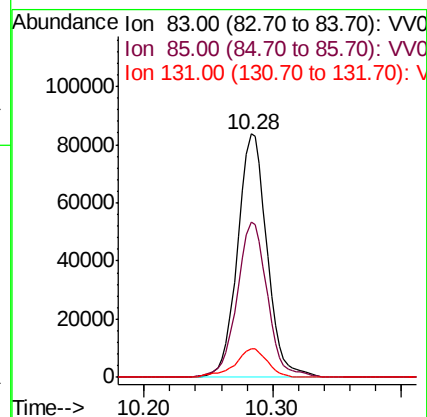
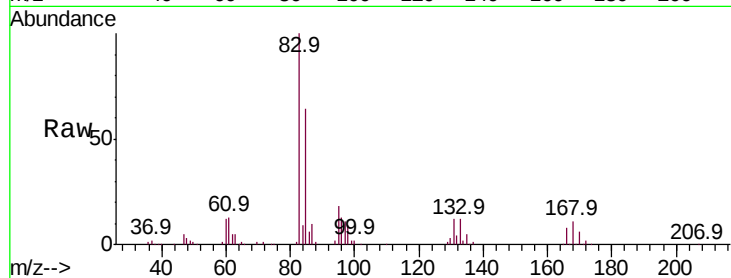
Tot Ion: 83 Resp: 132753

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

131 11.6 9.3 13.9



#59

Bromoform

Concen: 48.313 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

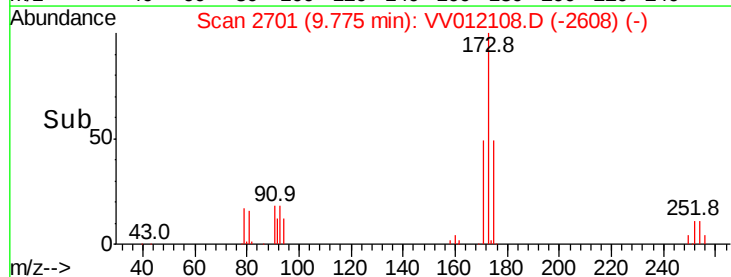
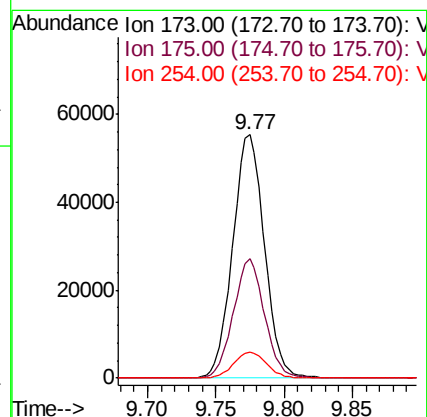
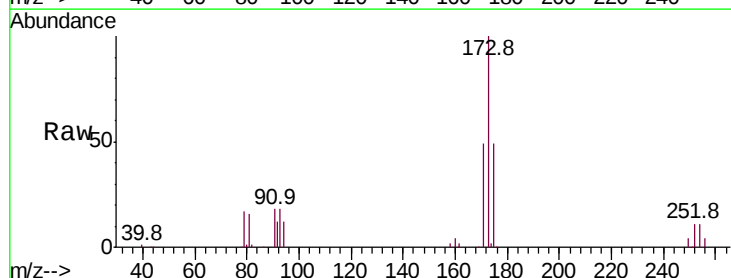
Tgt Ion: 173 Resp: 89679

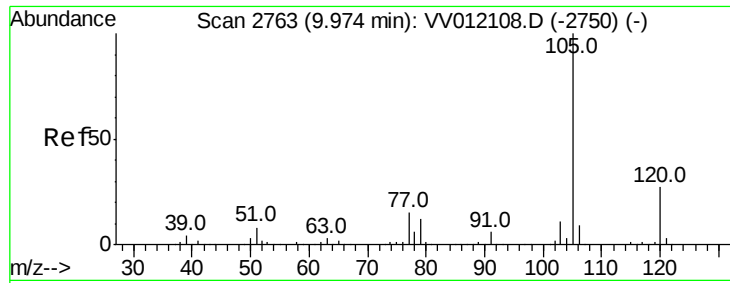
Ion Ratio Lower Upper

173 100

175 47.9 38.3 57.5

254 11.1 8.9 13.3





#60

Isopropylbenzene

Concen: 49.139 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampleId :

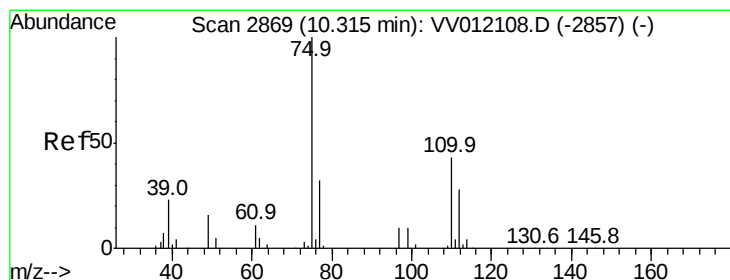
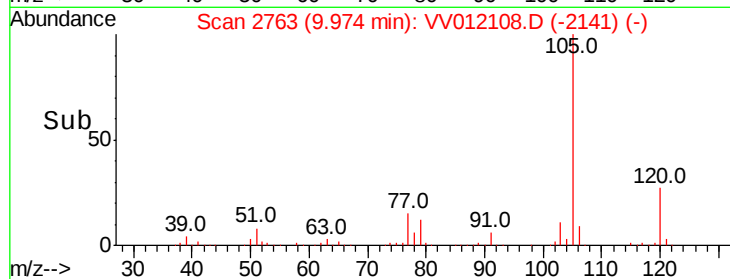
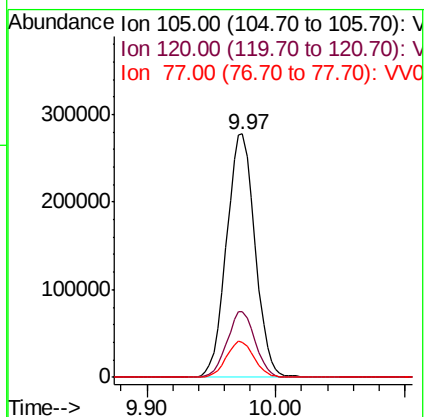
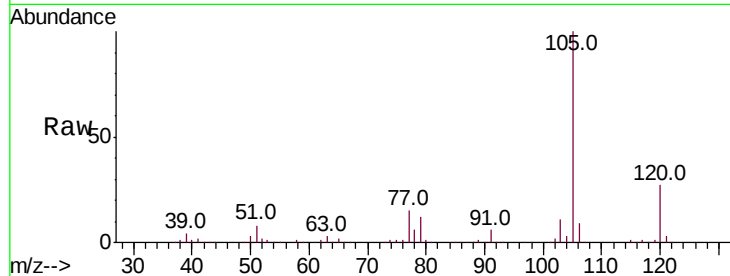
Tot Ion:105 Resp: 425679

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

77 14.5 11.6 17.4



#61

1,2,3-Trichloropropane

Concen: 47.507 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

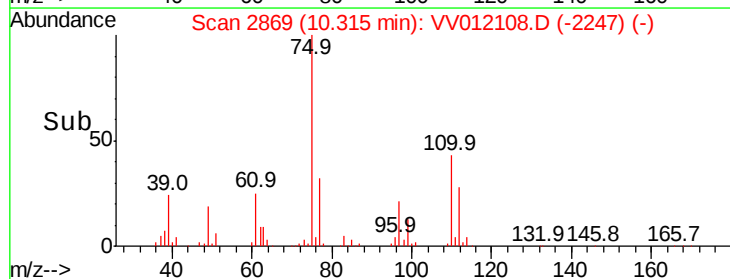
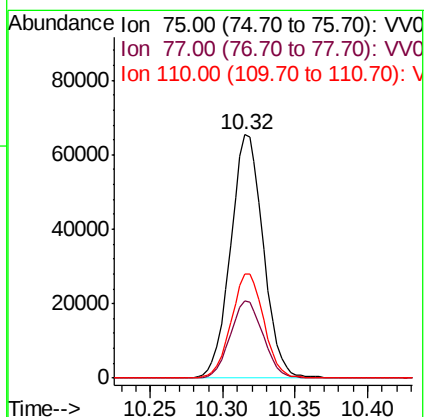
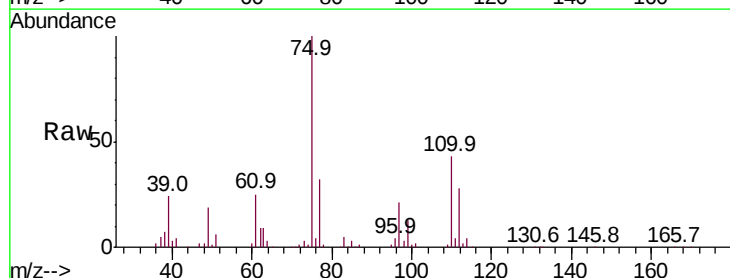
Tgt Ion: 75 Resp: 102085

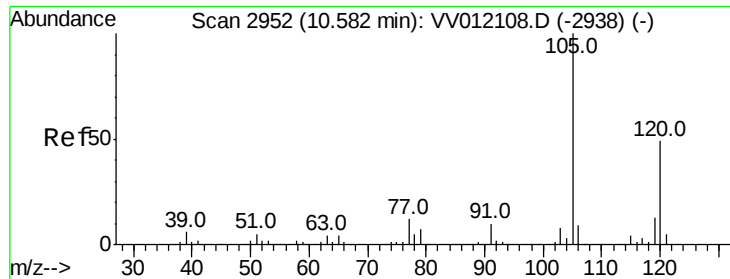
Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

110 42.8 34.2 51.4





#62

1,3,5-Trimethylbenzene

Concen: 49.263 ug/L

RT: 10.58 min Scan# 2952

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :

MSVOA_V

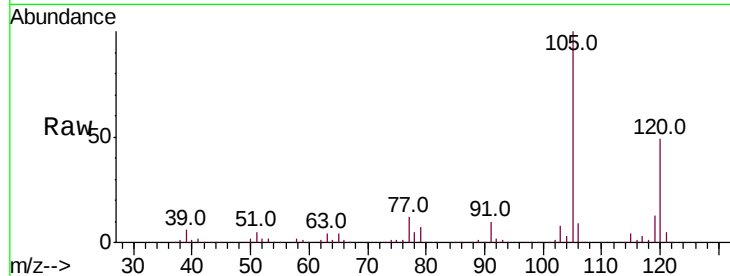
ClientSampleId :

Tot Ion:105 Resp: 365656

Ion Ratio Lower Upper

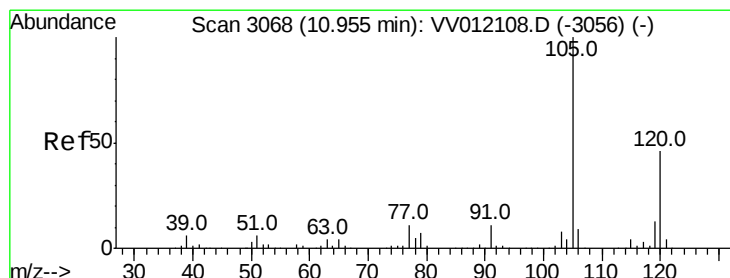
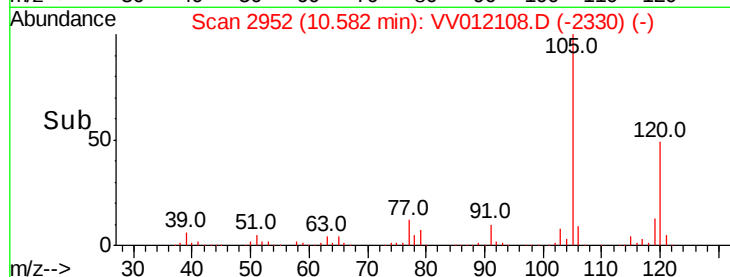
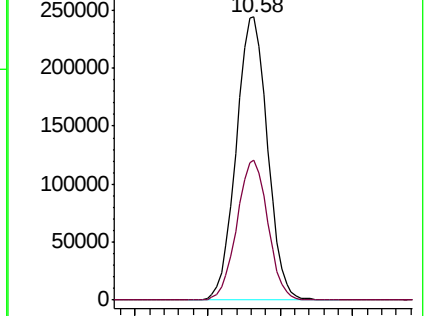
105 100

120 49.0 39.2 58.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 47.988 ug/L

RT: 10.95 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VV012108.D

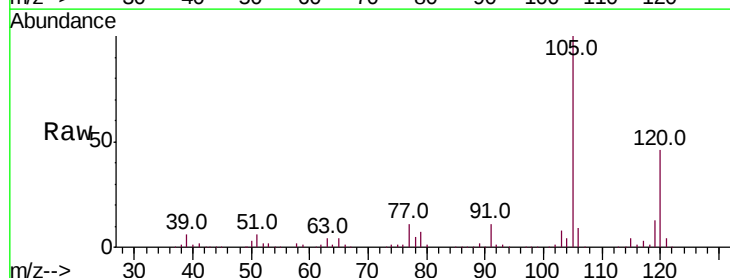
Acq: 06 Aug 2019 10:46

Tgt Ion:105 Resp: 357893

Ion Ratio Lower Upper

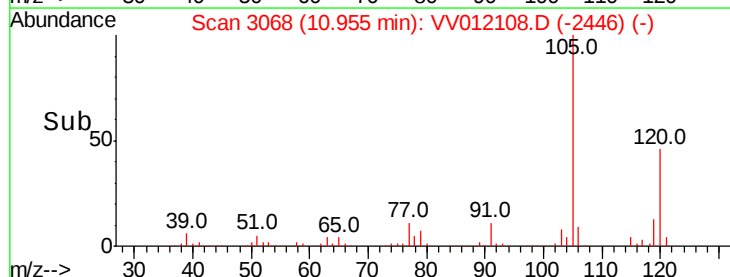
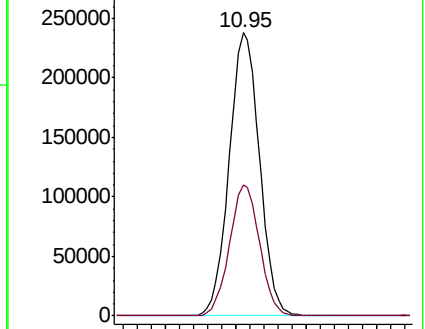
105 100

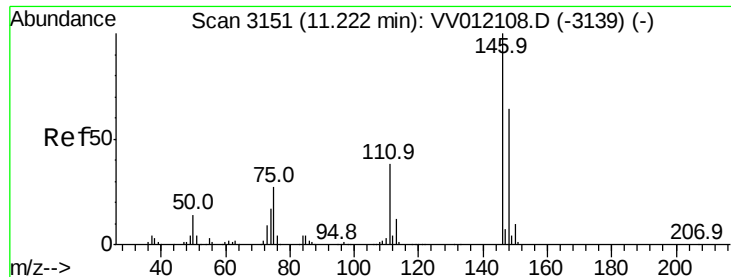
120 45.9 36.7 55.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 47.909 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

Instrument :

MSVOA_V

ClientSampleId :

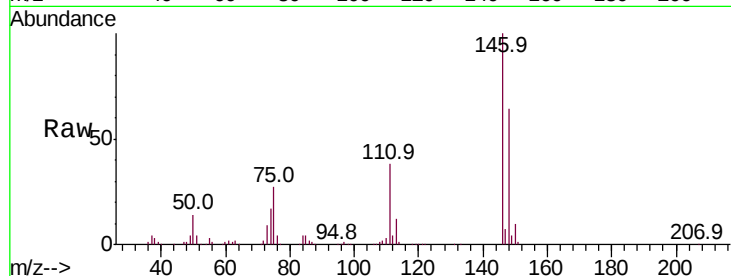
Tot Ion:146 Resp: 209405

Ion Ratio Lower Upper

146 100

111 38.3 26.8 49.8

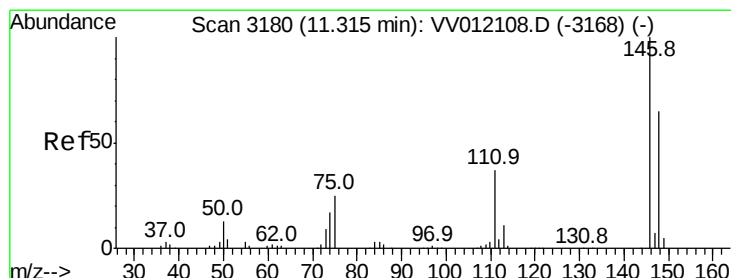
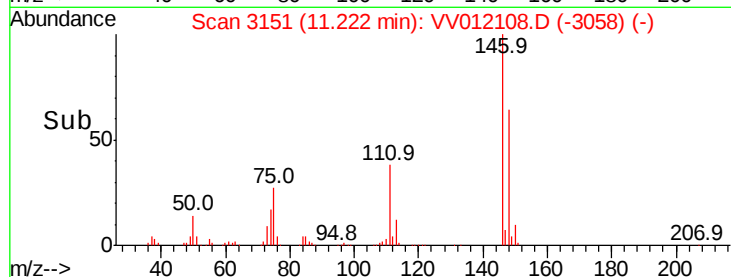
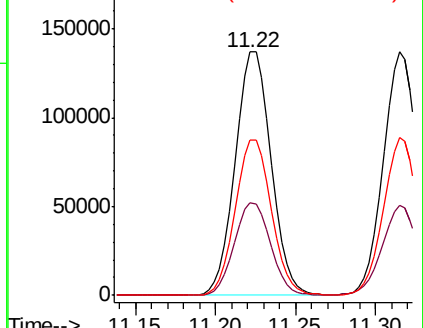
148 63.7 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 47.404 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012108.D

Acq: 06 Aug 2019 10:46

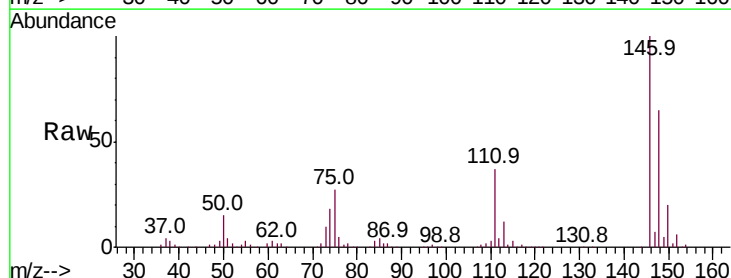
Tgt Ion:146 Resp: 209434

Ion Ratio Lower Upper

146 100

111 36.8 25.8 47.8

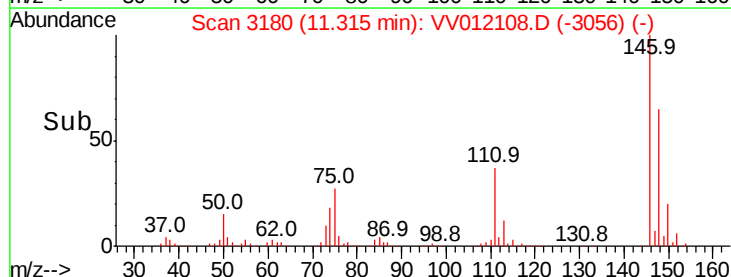
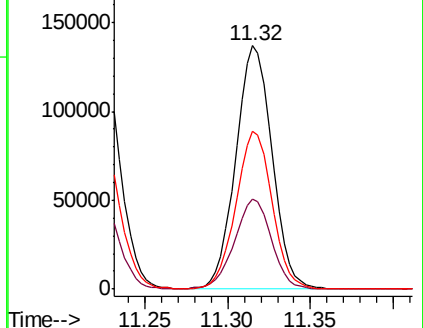
148 64.6 45.2 84.0

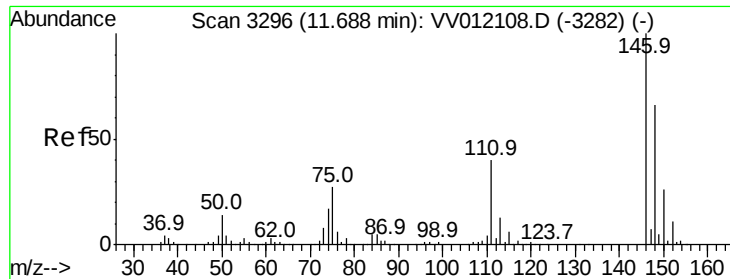


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

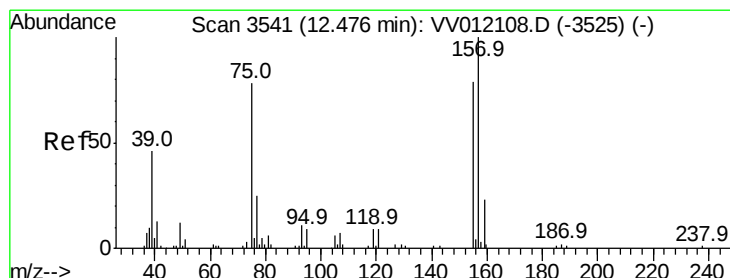
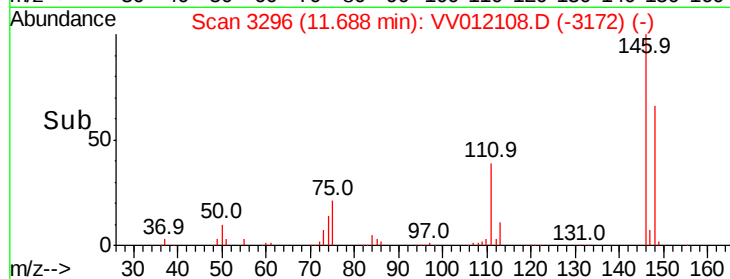
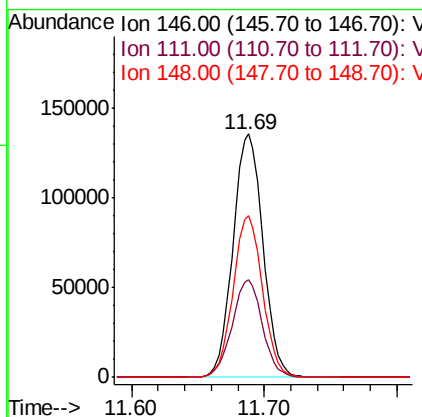
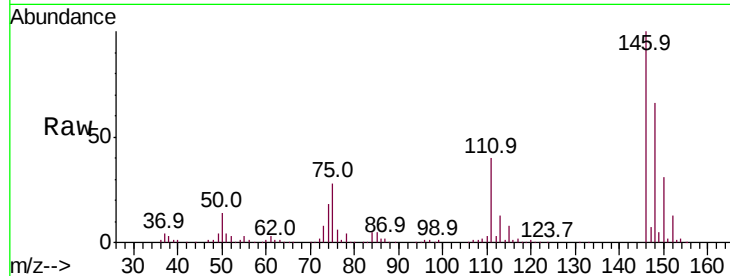




#67
 1,2-Dichlorobenzene
 Concen: 47.663 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

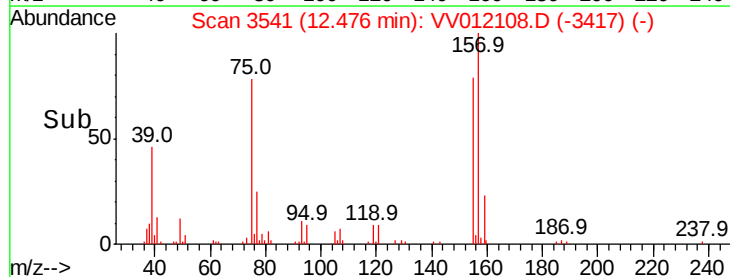
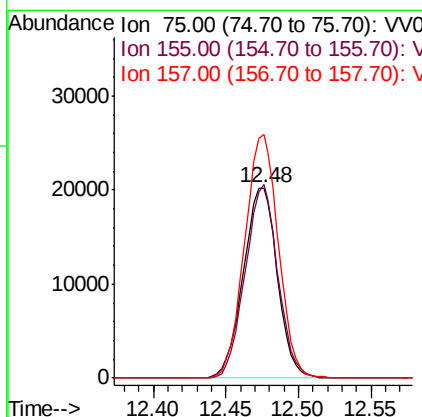
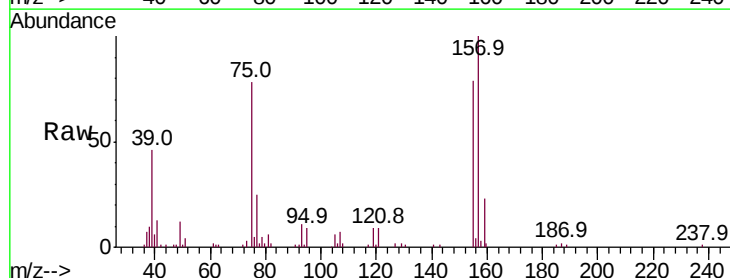
Instrument :
 MSVOA_V
 ClientSampled :

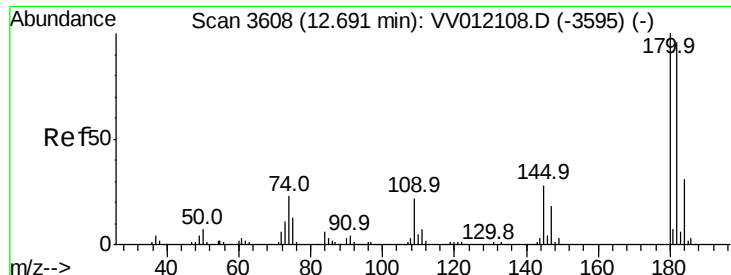
Tot Ion:146 Resp: 212561
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.2 48.2
 148 66.5 53.2 79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.567 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

Tgt Ion: 75 Resp: 32978
 Ion Ratio Lower Upper
 75 100
 155 101.5 81.2 121.8
 157 127.9 102.3 153.5

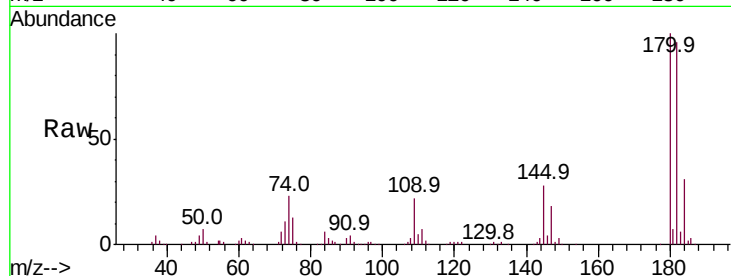




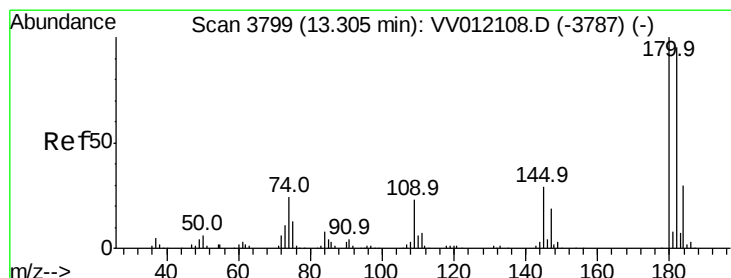
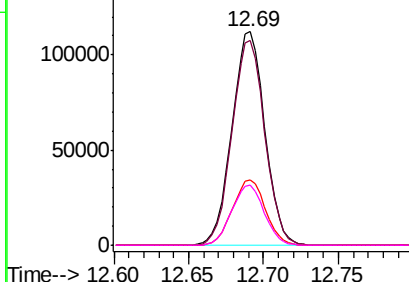
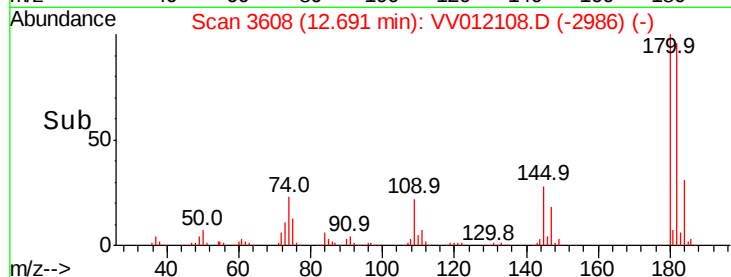
#69
 1,3,5-Trichlorobenzene
 Concen: 48.419 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 171560
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 184 30.7 24.6 36.8
 145 28.1 22.5 33.7

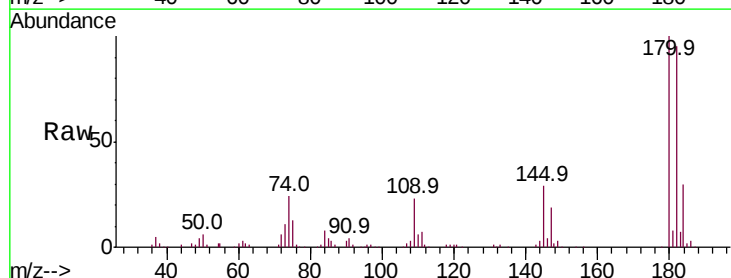


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

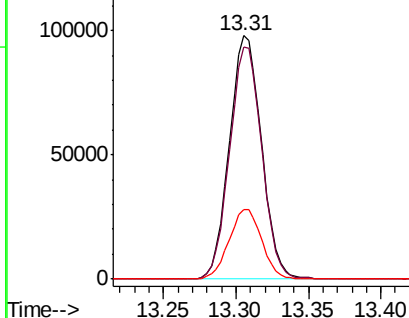
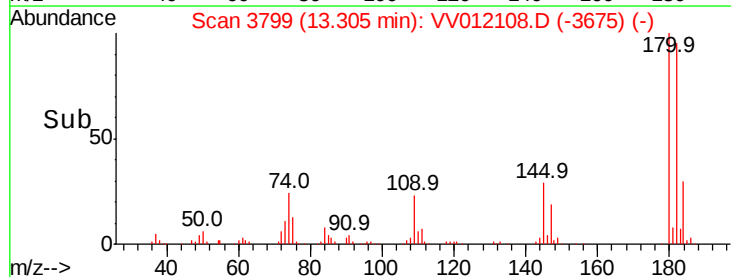


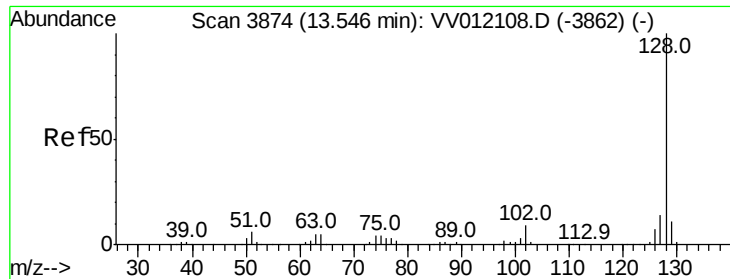
#70
 1,2,4-trichlorobenzene
 Concen: 48.996 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012108.D
 Acq: 06 Aug 2019 10:46

Tgt Ion:180 Resp: 150526
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.5 114.7
 145 29.1 23.3 34.9



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

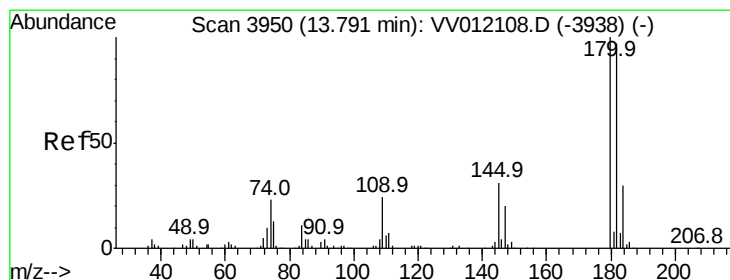
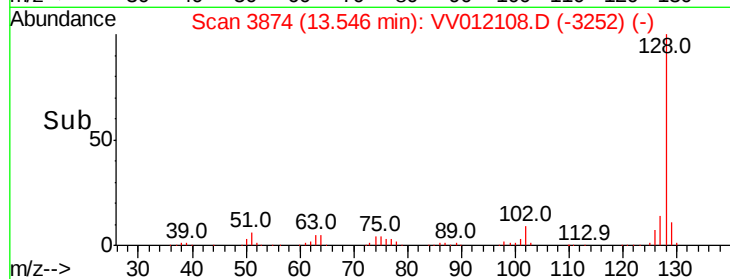
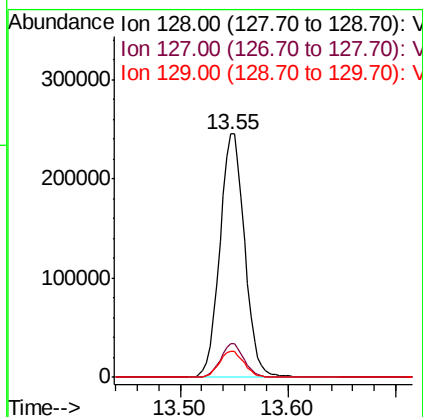
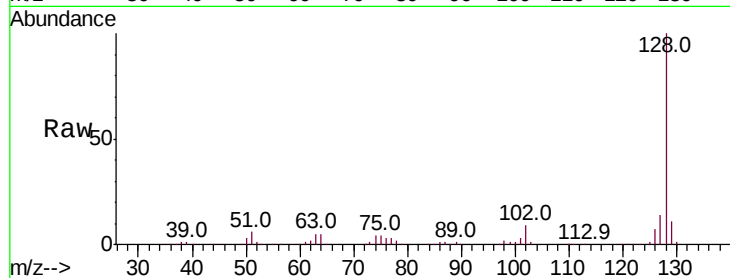




#71
Naphthalene
Concen: 50.317 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:128 Resp: 391789
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 49.743 ug/L
RT: 13.79 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VV012108.D
Acq: 06 Aug 2019 10:46

Tgt Ion:180 Resp: 153788
Ion Ratio Lower Upper
180 100
182 96.5 77.2 115.8
145 30.7 24.6 36.8

