

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015212.D
 Acq On : 27 Mar 2020 18:48
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 00:29:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:27:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	573605	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	551378	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	243074	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12932	4.39	ug/L	0.00
7) Chloroethane-d5	1.46	69	205	0.07	ug/L	-0.12
11) 1,1-Dichloroethene-d2	2.13	63	29726	4.35	ug/L	0.00
21) 2-Butanone-d5	4.13	46	439	0.14	ug/L	0.19
24) Chloroform-d	4.38	84	30583	4.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	19281	4.36	ug/L	0.00
32) Benzene-d6	5.08	84	46817	4.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	18195	4.51	ug/L	0.00
41) Toluene-d8	7.34	98	42147	4.20	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	9329	4.27	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	18728	7.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30895	4.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	21604	4.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24393	4.912	ug/L 99
3) Chloromethane	1.25	50	27841	5.153	ug/L 97
5) Vinyl chloride	1.32	62	27324	4.918	ug/L 99
6) Bromomethane	1.53	94	17339	4.831	ug/L 96
8) Chloroethane	1.60	64	18216	5.038	ug/L 97
9) Trichlorofluoromethane	1.77	101	41713	4.624	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	22865	4.887	ug/L 97
12) 1,1-Dichloroethene	2.13	96	22497	4.906	ug/L 84
13) Acetone	2.22	43	5477	2.602	ug/L # 100
14) Carbon disulfide	2.31	76	56986	4.888	ug/L 98
15) Methyl Acetate	2.47	43	20700	4.792	ug/L 98
16) Methylene chloride	2.53	84	23911	5.580	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	19679	4.952	ug/L 96
18) Methyl tert-butyl Ether	2.79	73	67482	5.027	ug/L 98
19) 1,1-Dichloroethane	3.22	63	36790	5.017	ug/L 98
20) cis-1,2-Dichloroethene	3.95	96	26165	5.856	ug/L # 87
23) Bromochloromethane	4.29	128	11555	5.381	ug/L 88
25) Chloroform	4.41	83	40421	5.329	ug/L 93
27) 1,2-Dichloroethane	5.16	62	30379	5.045	ug/L 97
29) Cyclohexane	4.71	56	32187	4.826	ug/L 98
30) 1,1,1-Trichloroethane	4.64	97	36198	5.231	ug/L 99
31) Carbon tetrachloride	4.86	117	29868	5.129	ug/L 100
33) Benzene	5.13	78	81357	4.994	ug/L 100
34) Trichloroethene	5.94	95	22395	5.283	ug/L 94
35) Methylcyclohexane	6.15	83	34076	4.866	ug/L 99
37) 1,2-Dichloropropane	6.20	63	20399	4.907	ug/L # 96
38) Bromodichloromethane	6.54	83	31725	5.371	ug/L 93
39) cis-1,3-Dichloropropene	7.05	75	33646	4.886	ug/L 100
40) 4-Methyl-2-pentanone	7.26	43	59976	9.633	ug/L 98
42) Toluene	7.41	91	90411	4.982	ug/L 99

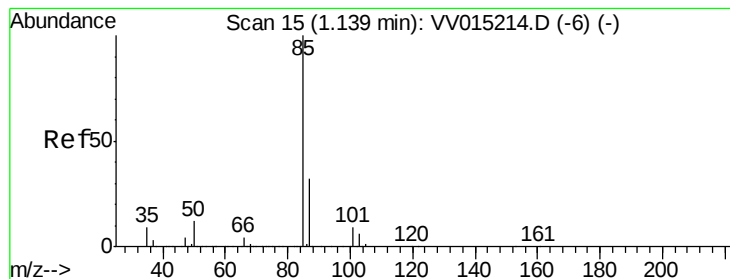
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015212.D
 Acq On : 27 Mar 2020 18:48
 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:27:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.68	75	31362	4.642	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	20618	5.037	ug/L	95
46) Tetrachloroethene	8.00	164	13940	4.904	ug/L	93
48) 2-Hexanone	8.17	43	45138	9.216	ug/L	95
49) Dibromochloromethane	8.27	129	21537	4.793	ug/L	96
50) 1,2-Dibromoethane	8.38	107	21235	4.790	ug/L #	100
51) Chlorobenzene	8.90	112	60071	5.179	ug/L	98
52) Ethylbenzene	9.04	91	101097	4.943	ug/L	100
53) m,p-Xylene	9.16	106	38489	4.939	ug/L	100
54) o-xylene	9.57	106	38442	4.903	ug/L	99
55) Styrene	9.59	104	63780	4.816	ug/L	98
56) Isopropylbenzene	9.95	105	97482	4.845	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.27	83	34473	5.025	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	28165	5.117	ug/L	97
61) Bromoform	9.76	173	12545	4.526	ug/L #	92
62) 1,3-Dichlorobenzene	11.21	146	40244	4.994	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	39868	4.891	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	43457	5.323	ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.45	75	8732	4.836	ug/L	88
67) 1,3,5-Trichlorobenzene	12.67	180	25106	4.869	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	22062	4.496	ug/L	98
69) Naphthalene	13.53	128	91216	4.654	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	22714	4.630	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.912 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :

MSVOA_V

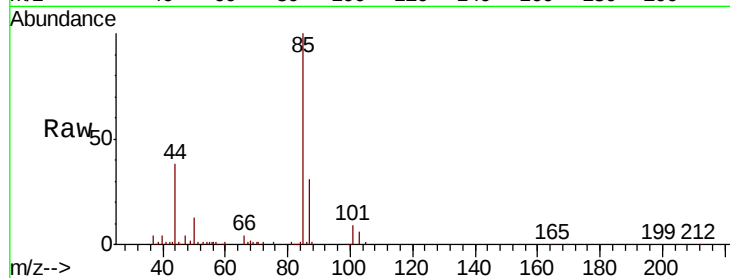
ClientSampled :

Tot Ion: 85 Resp: 24393

Ion Ratio Lower Upper

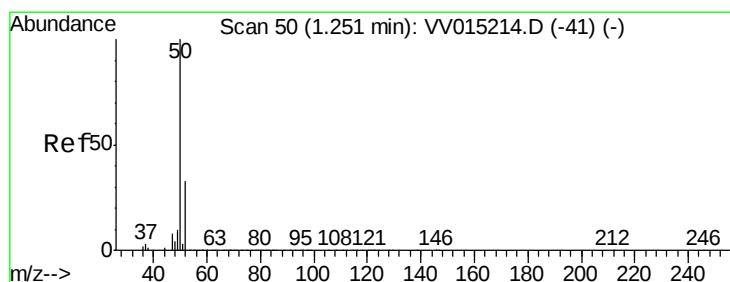
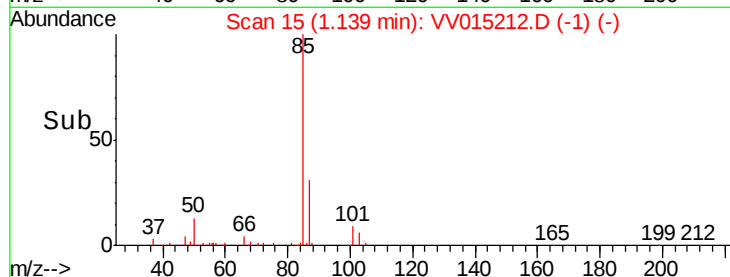
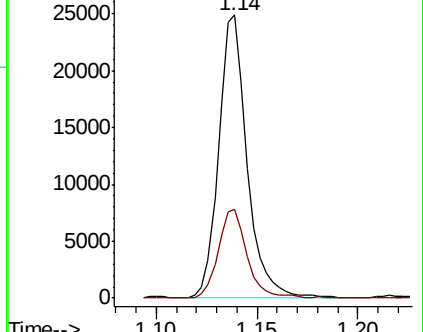
85 100

87 31.7 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV015212.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015212.D (-6) (-)



#3

Chloromethane

Concen: 5.153 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015212.D

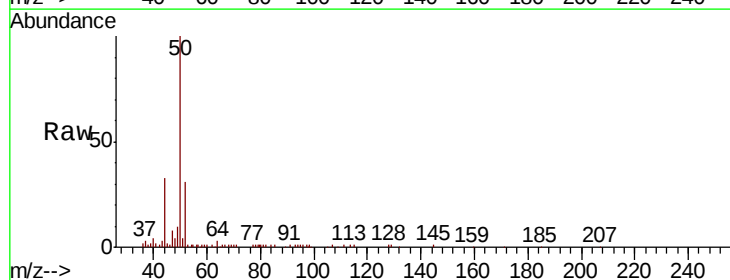
Acq: 27 Mar 2020 18:48

Tgt Ion: 50 Resp: 27841

Ion Ratio Lower Upper

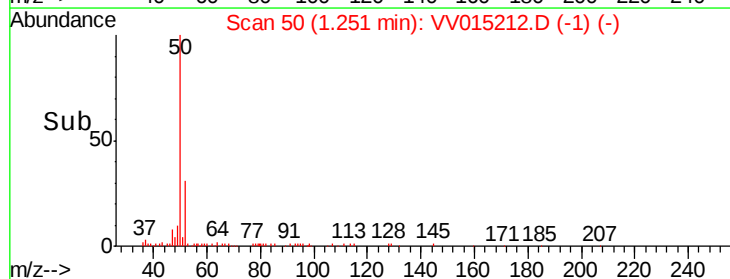
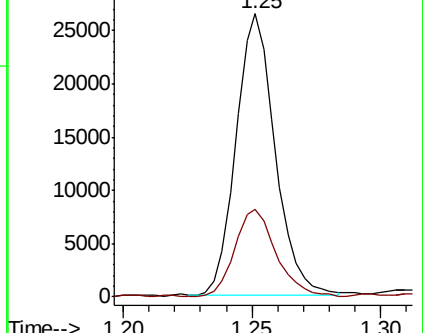
50 100

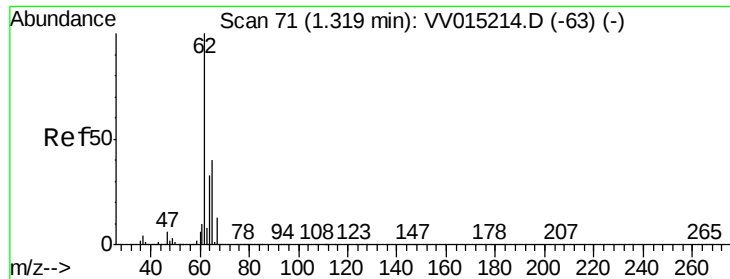
52 31.0 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV015212.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015212.D (-41) (-)





#5

Vinyl chloride

Concen: 4.918 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

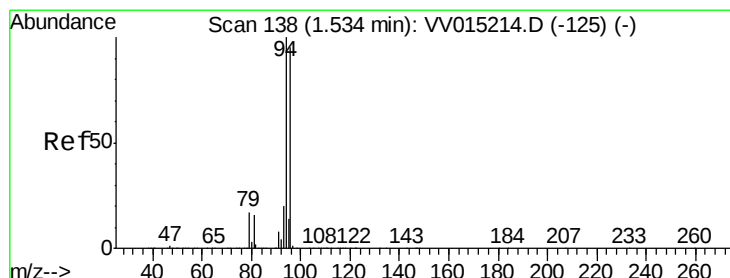
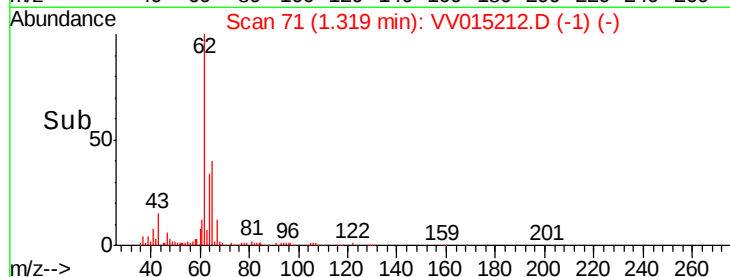
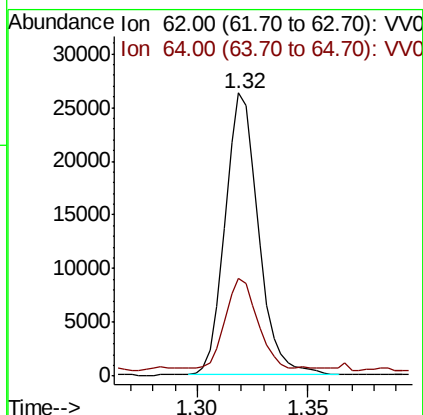
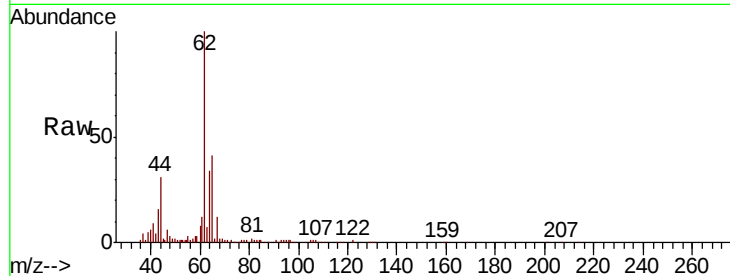
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 27324

Ion Ratio Lower Upper

62 100

64 34.4 23.5 43.7



#6

Bromomethane

Concen: 4.831 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015212.D

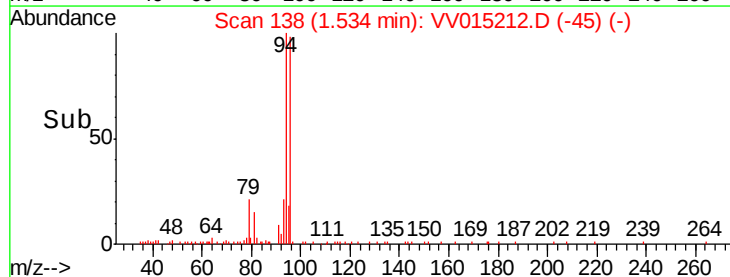
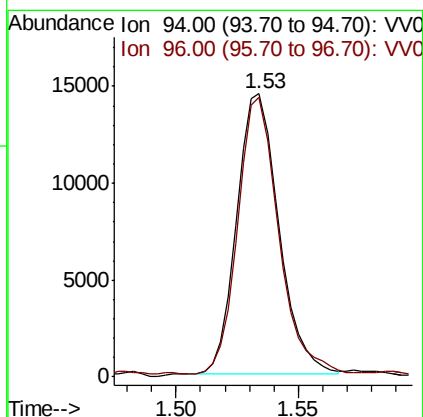
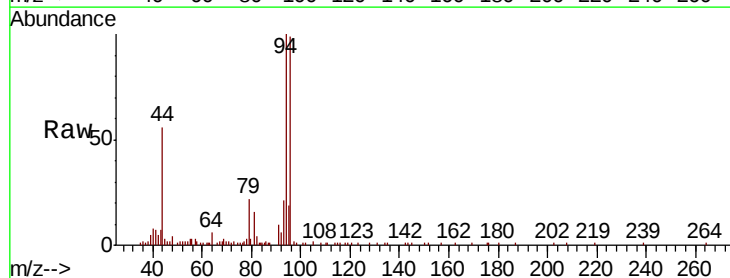
Acq: 27 Mar 2020 18:48

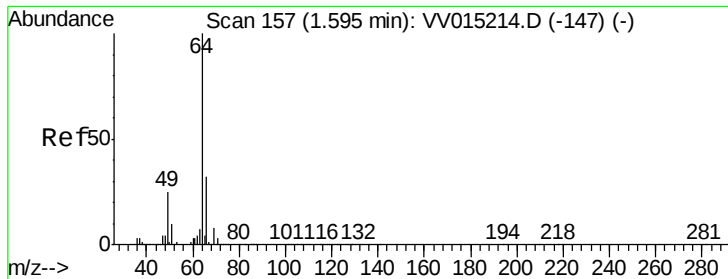
Tgt Ion: 94 Resp: 17339

Ion Ratio Lower Upper

94 100

96 98.5 66.6 123.6





#8

Chloroethane

Concen: 5.038 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :

MSVOA_V

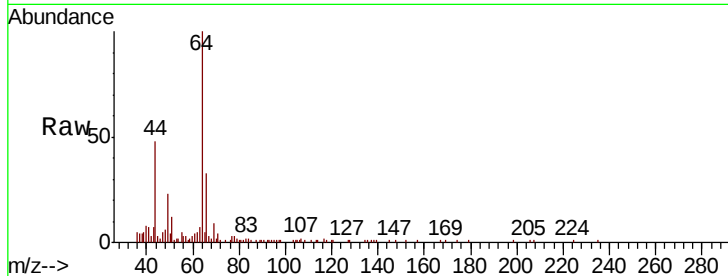
ClientSampleId :

Tot Ion: 64 Resp: 18216

Ion Ratio Lower Upper

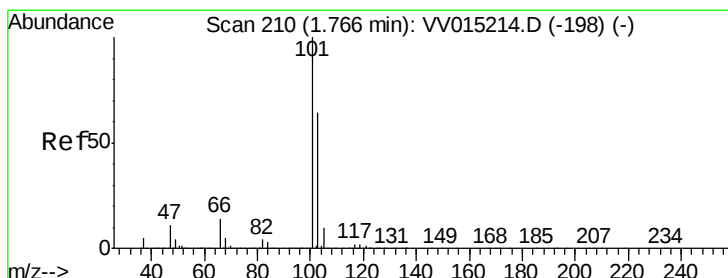
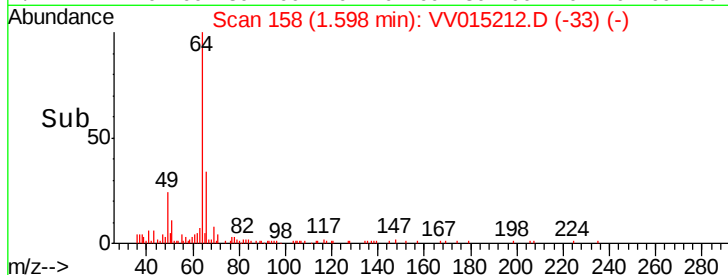
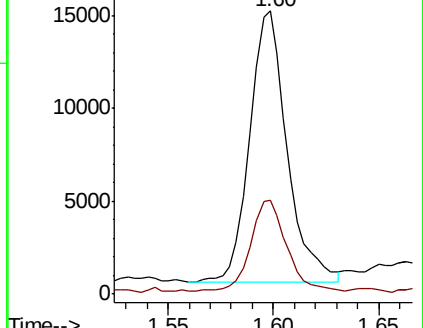
64 100

66 33.4 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VV015212.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV015212.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 4.624 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015212.D

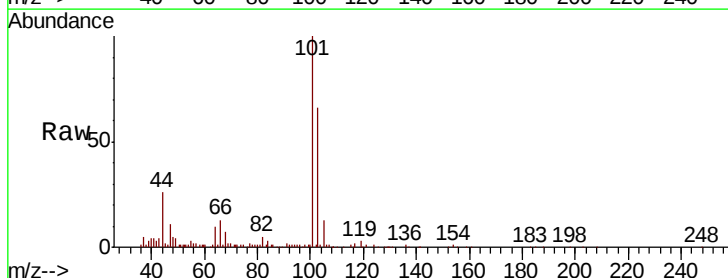
Acq: 27 Mar 2020 18:48

Tgt Ion: 101 Resp: 41713

Ion Ratio Lower Upper

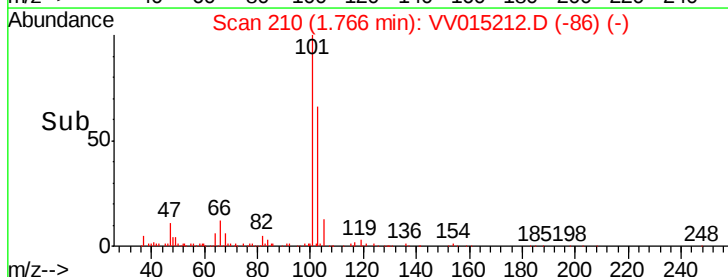
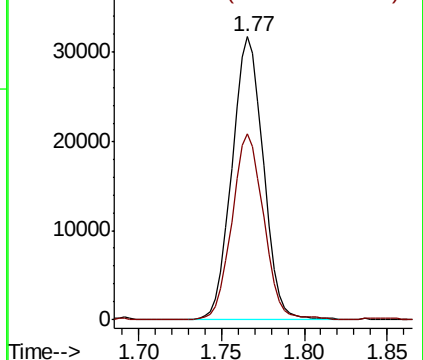
101 100

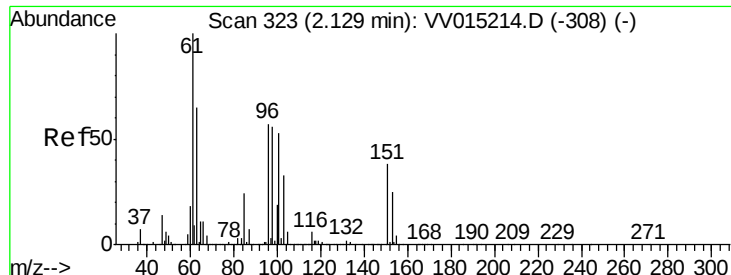
103 66.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV015212.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV015212.D (-198) (-)





#10

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

Concen: 4.887 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :

MSVOA_V

ClientSampleId :

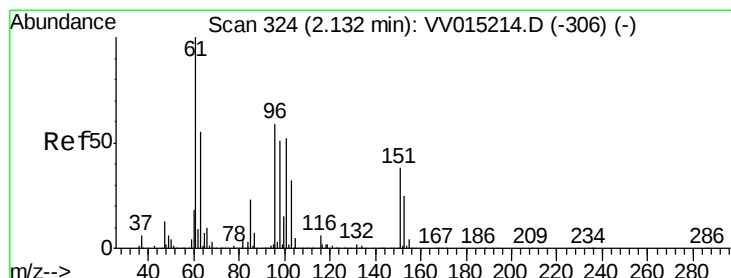
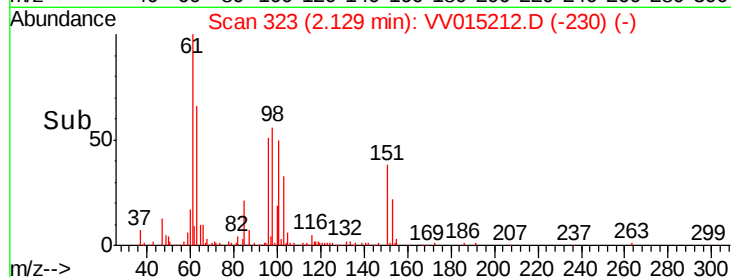
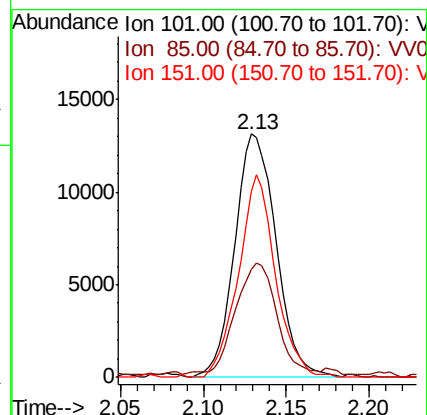
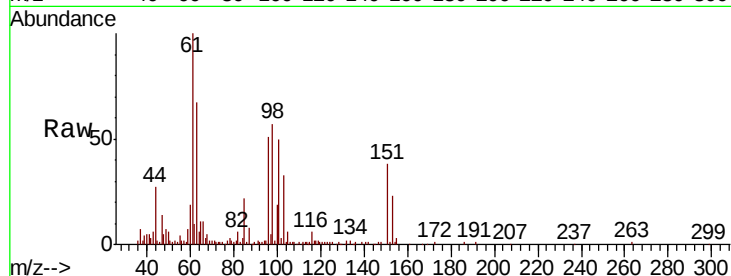
Tot Ion:101 Resp: 22865

Ion Ratio Lower Upper

101 100

85 47.7 36.3 54.5

151 74.0 57.8 86.6



#12

1,1-Dichloroethene

Concen: 4.906 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

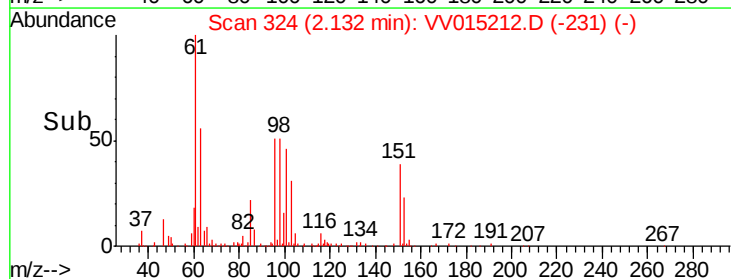
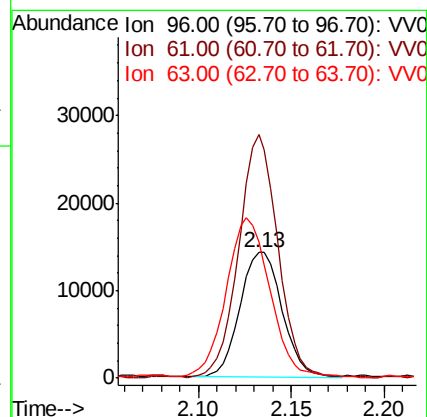
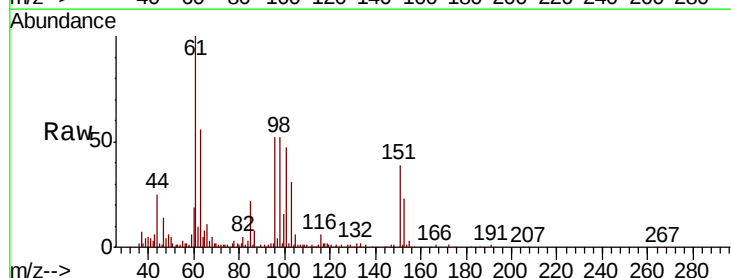
Tgt Ion: 96 Resp: 22497

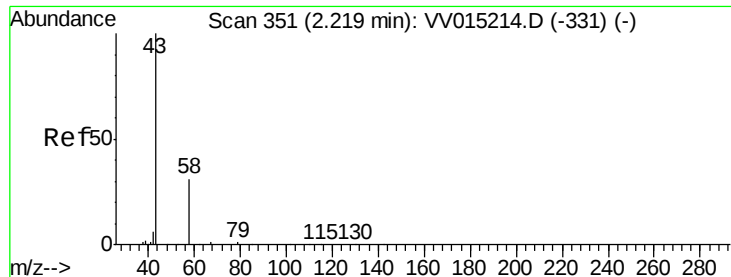
Ion Ratio Lower Upper

96 100

61 193.7 119.1 221.3

63 108.2 66.0 122.6





#13

Acetone

Concen: 2.602 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

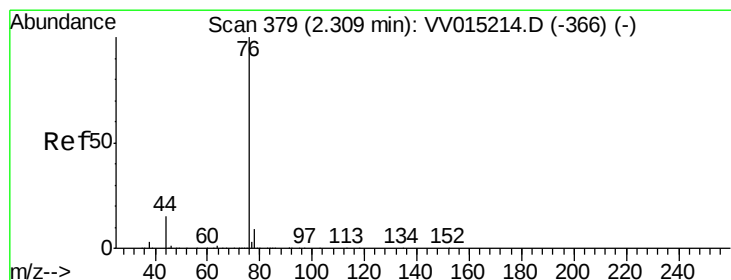
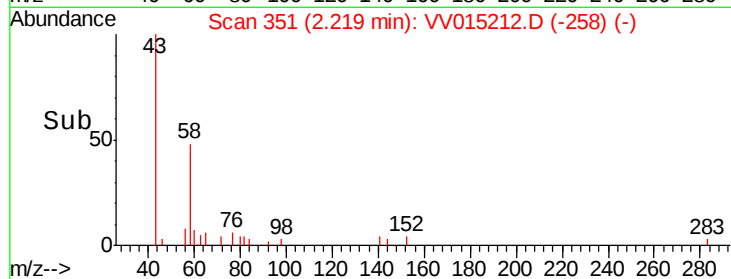
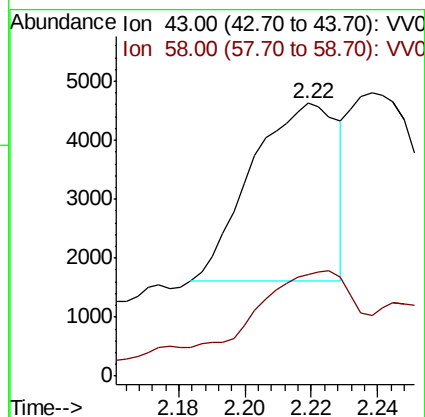
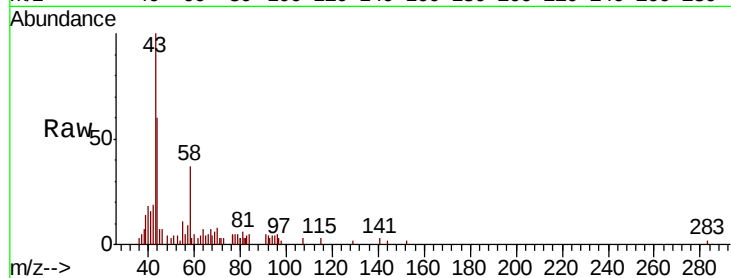
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 5477

Ion Ratio Lower Upper

43 100

58 54.9 0.0 0.0#



#14

Carbon disulfide

Concen: 4.888 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015212.D

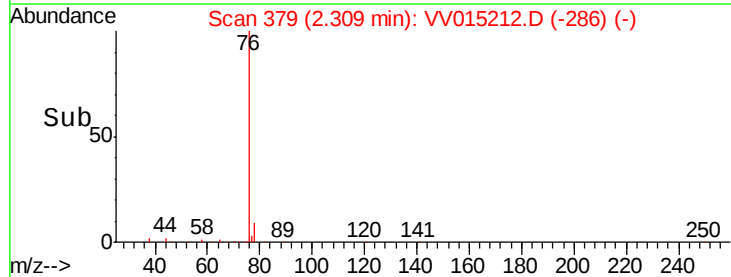
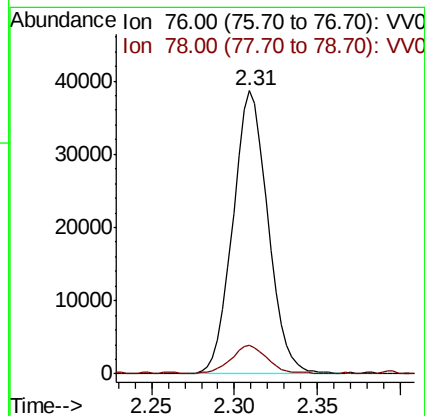
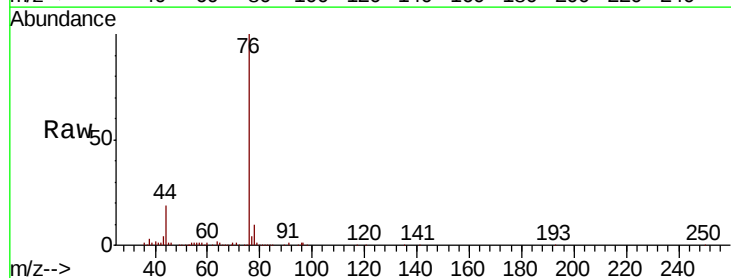
Acq: 27 Mar 2020 18:48

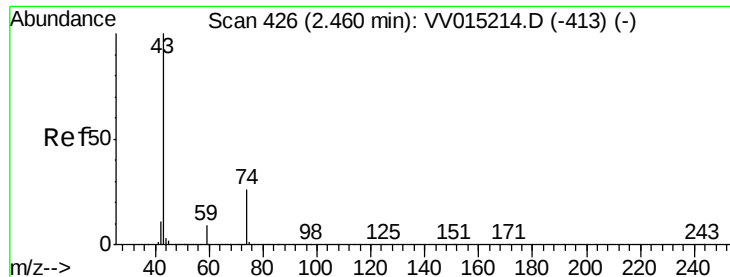
Tgt Ion: 76 Resp: 56986

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9





#15

Methyl Acetate

Concen: 4.792 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

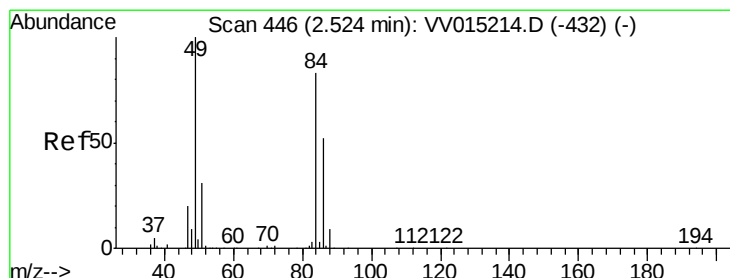
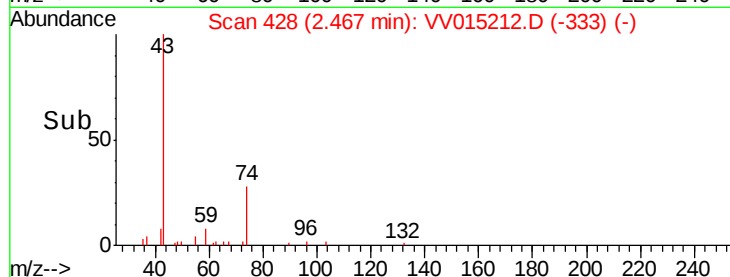
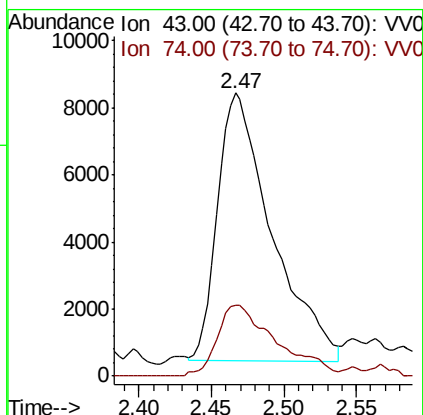
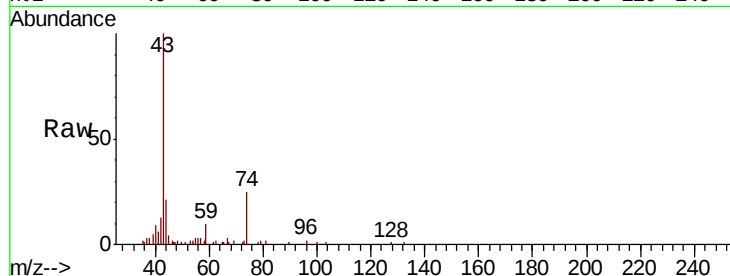
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 20700

Ion Ratio Lower Upper

43 100

74 25.7 19.7 29.5



#16

Methylene chloride

Concen: 5.580 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

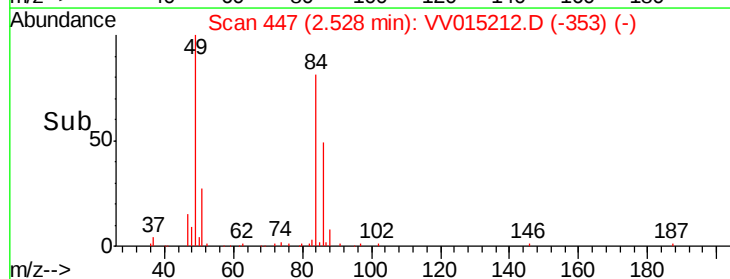
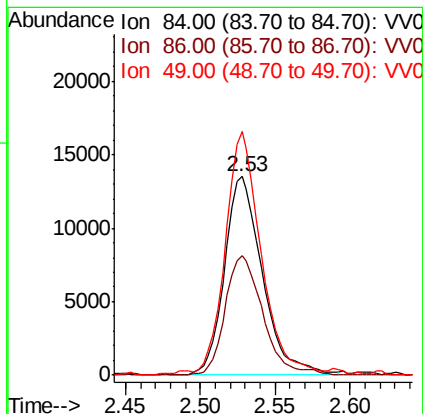
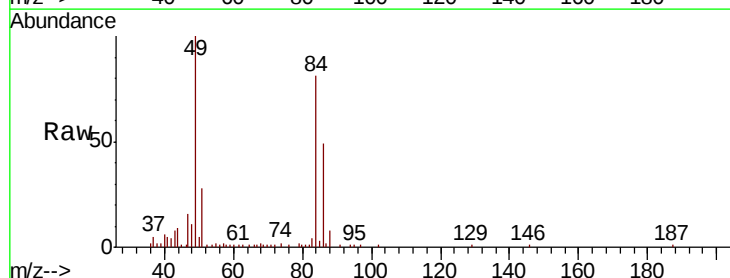
Tgt Ion: 84 Resp: 23911

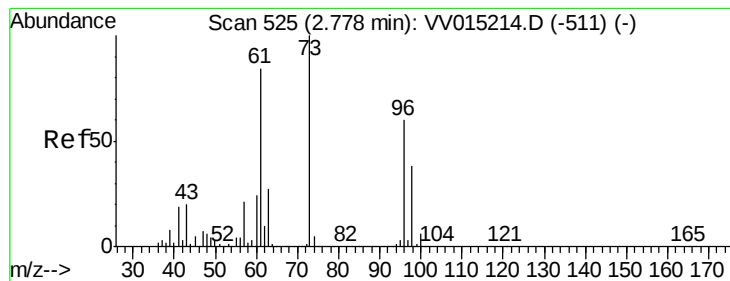
Ion Ratio Lower Upper

84 100

86 60.3 43.8 81.4

49 122.7 84.8 157.4





#17

trans-1,2-Dichloroethene

Concen: 4.952 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :
MSVOA_V
ClientSampled :

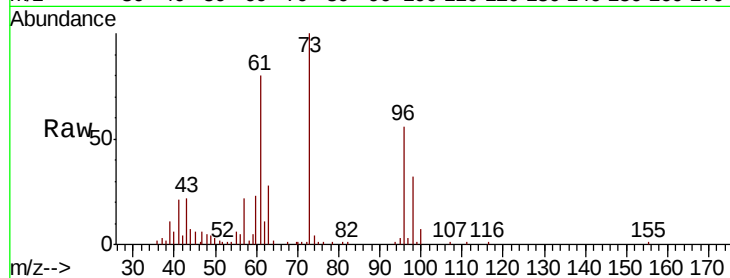
Tot Ion: 96 Resp: 19679

Ion Ratio Lower Upper

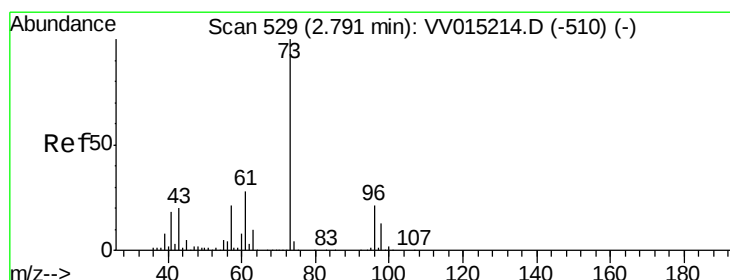
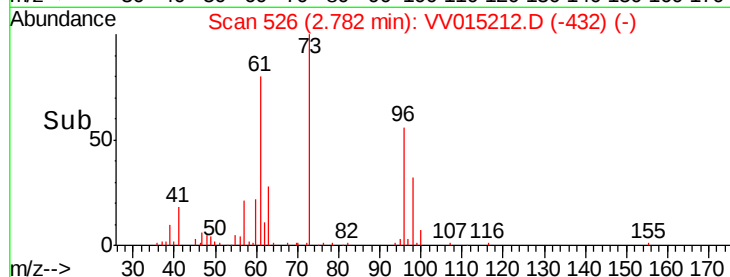
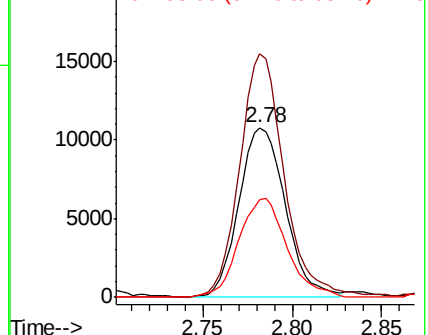
96 100

61 143.6 97.9 181.7

98 57.4 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 5.027 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

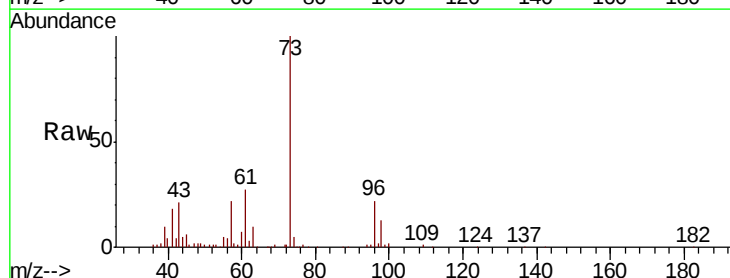
Tgt Ion: 73 Resp: 67482

Ion Ratio Lower Upper

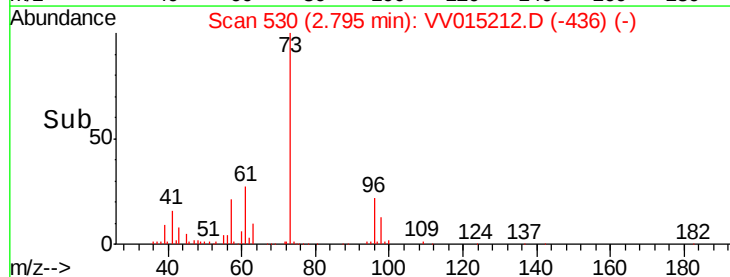
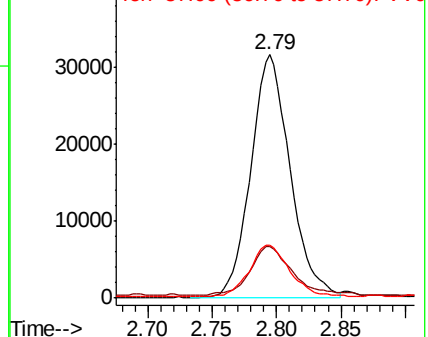
73 100

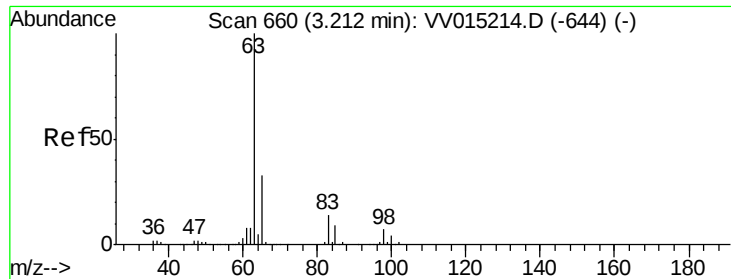
43 20.7 15.5 23.3

57 21.5 16.7 25.1



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 5.017 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :
MSVOA_V
ClientSampleId :

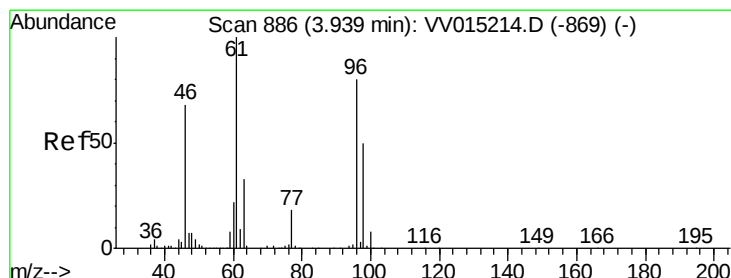
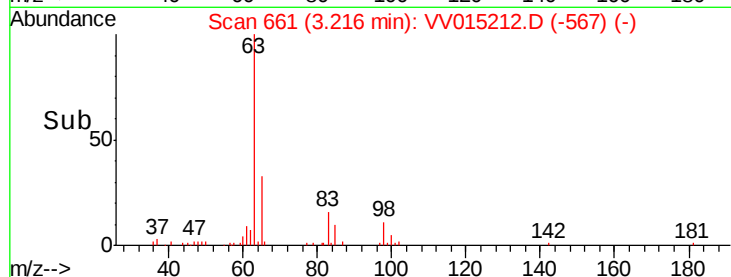
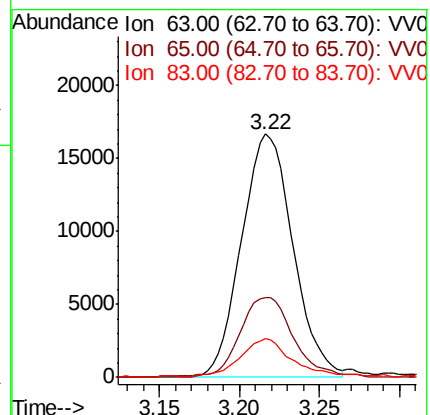
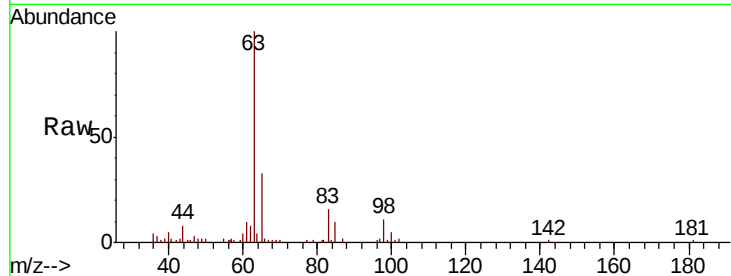
Tot Ion: 63 Resp: 36790

Ion Ratio Lower Upper

63 100

65 32.7 22.8 42.4

83 15.8 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 5.856 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

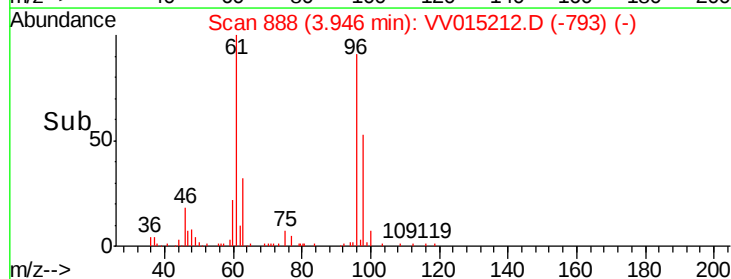
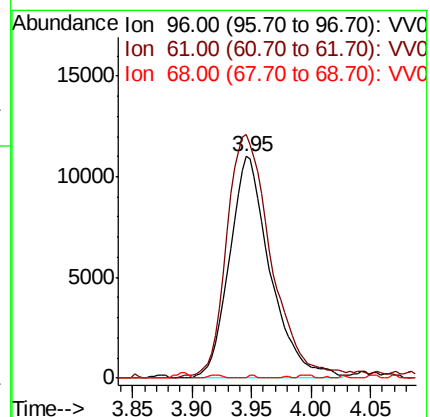
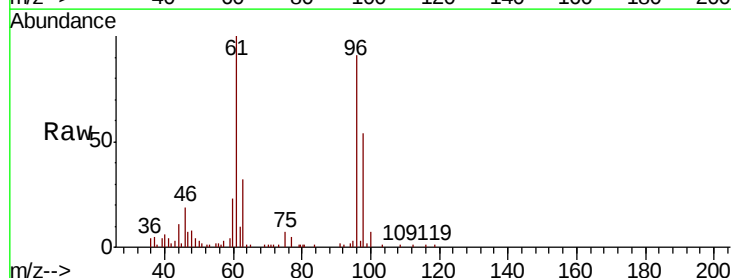
Tgt Ion: 96 Resp: 26165

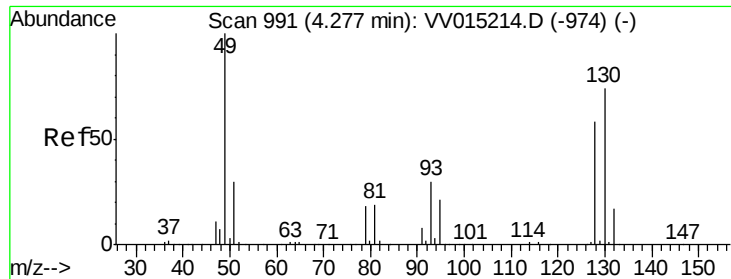
Ion Ratio Lower Upper

96 100

61 109.9 87.2 162.0

68 0.0 0.1 0.3#

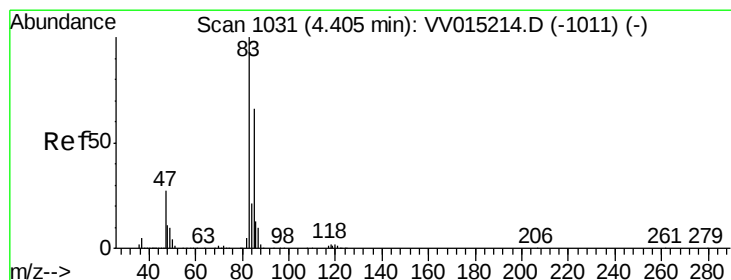
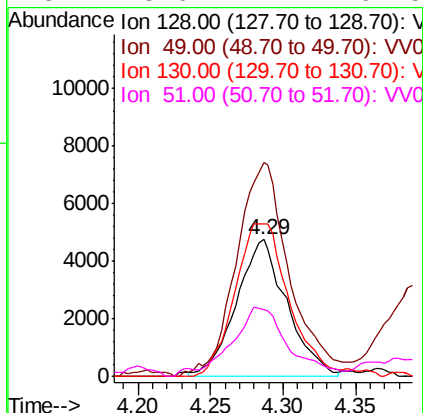
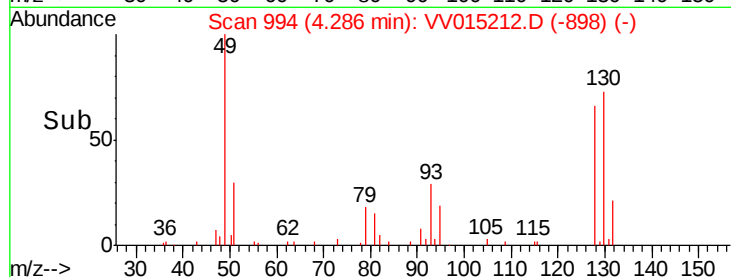
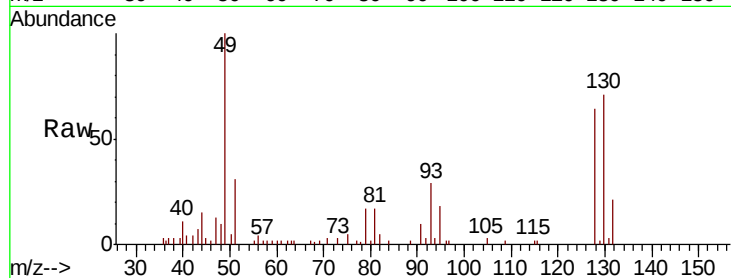




#23
Bromochloromethane
Concen: 5.381 ug/L
RT: 4.29 min Scan# 994
Delta R.T. 0.01 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

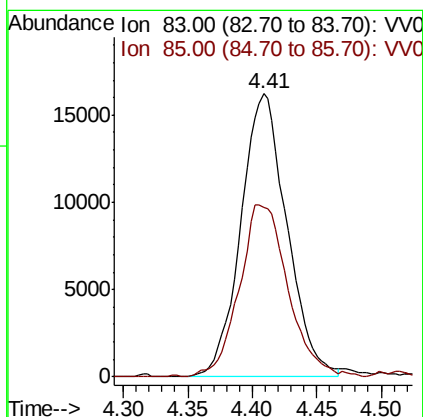
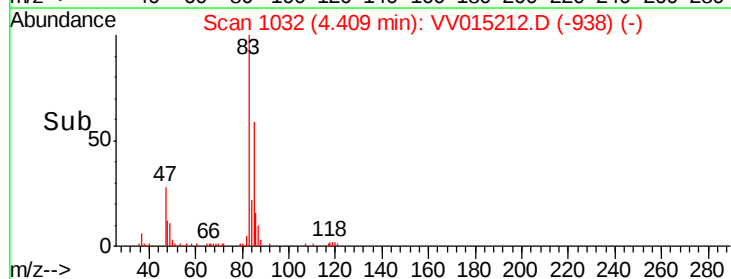
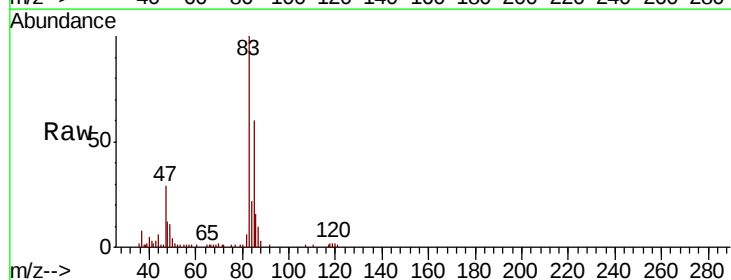
Instrument :
MSVOA_V
ClientSampled :

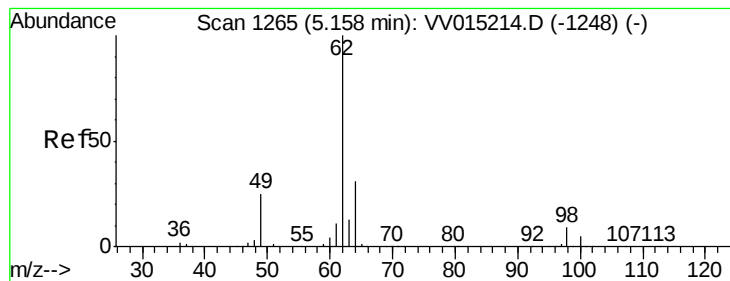
Tot Ion:128 Resp: 11555
Ion Ratio Lower Upper
128 100
49 156.3 120.6 224.0
130 111.6 89.7 166.5
51 48.6 41.7 62.5



#25
Chloroform
Concen: 5.329 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Tgt Ion: 83 Resp: 40421
Ion Ratio Lower Upper
83 100
85 60.1 46.2 85.8





#27

1,2-Dichloroethane

Concen: 5.045 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :

MSVOA_V

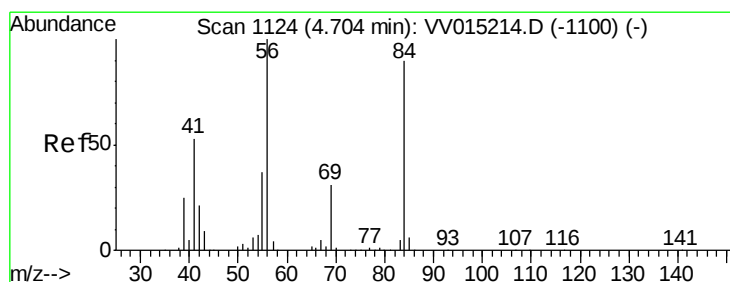
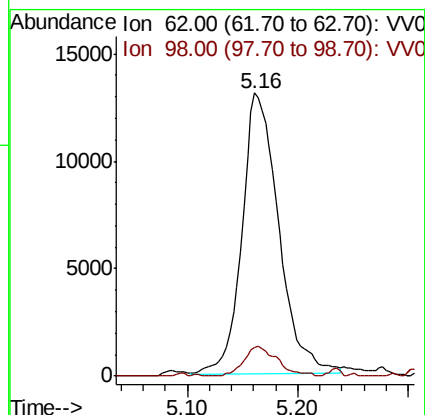
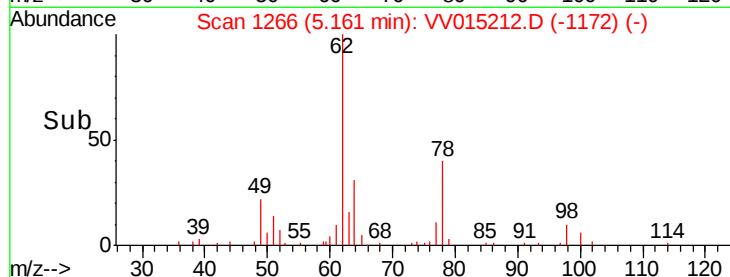
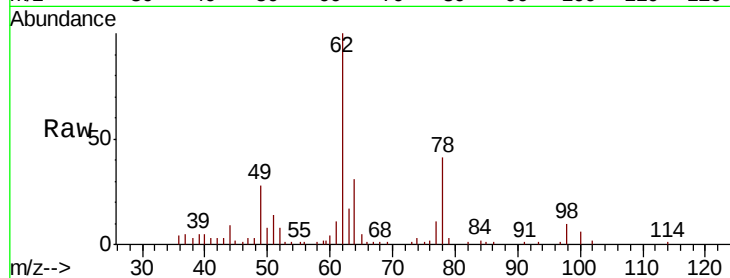
ClientSampled :

Tot Ion: 62 Resp: 30379

Ion Ratio Lower Upper

62 100

98 10.2 7.4 11.0



#29

Cyclohexane

Concen: 4.826 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

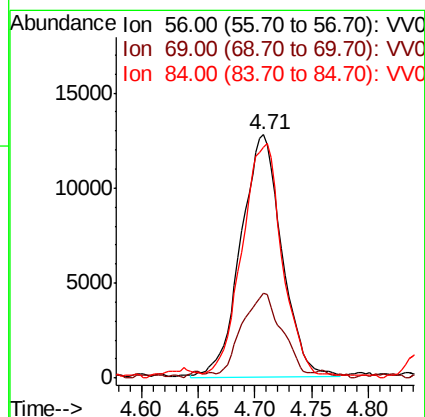
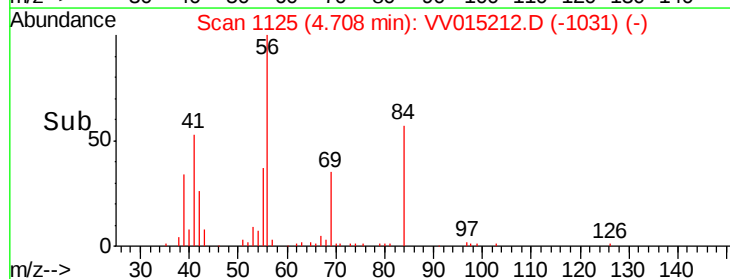
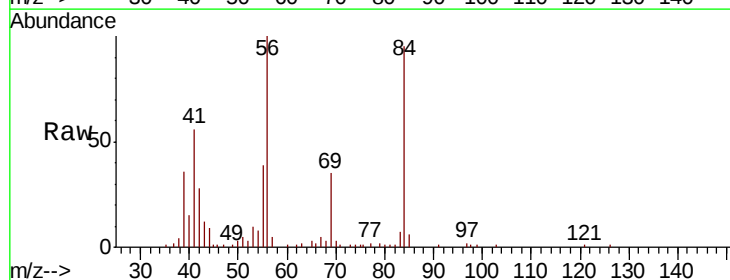
Tgt Ion: 56 Resp: 32187

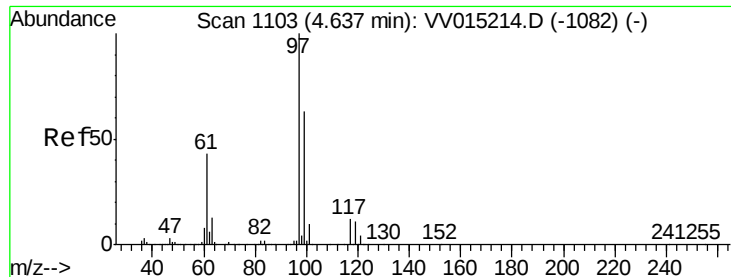
Ion Ratio Lower Upper

56 100

69 33.6 25.8 38.6

84 92.4 72.5 108.7

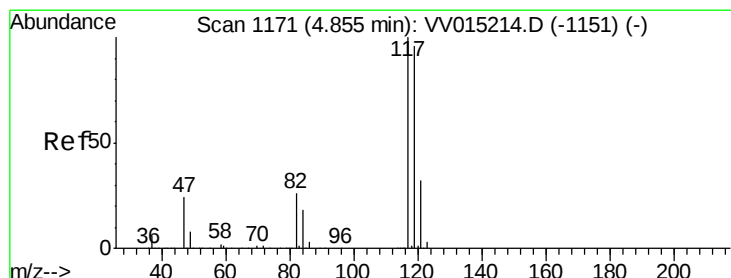
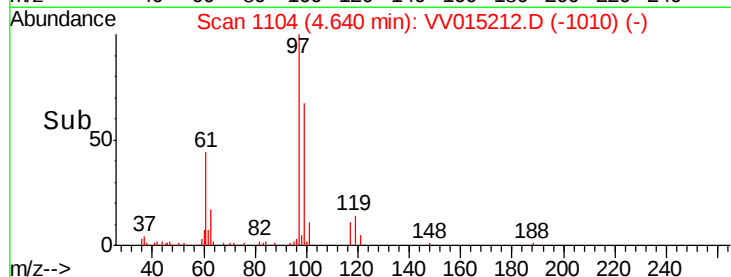
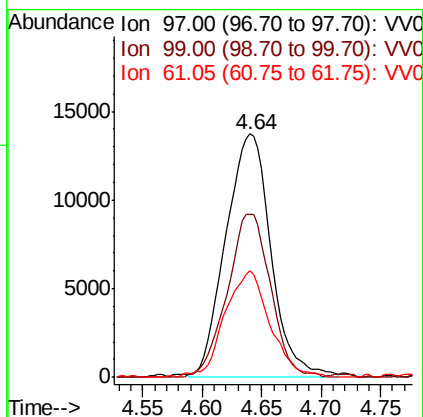
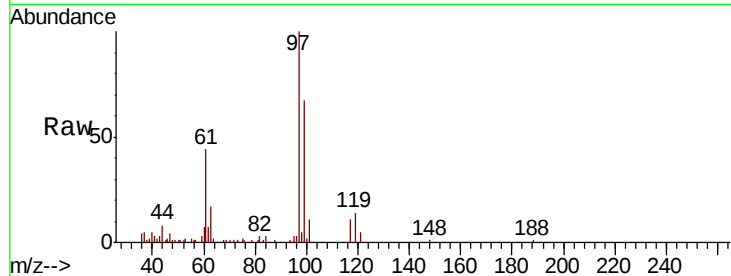




#30
 1,1,1-Trichloroethane
 Concen: 5.231 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

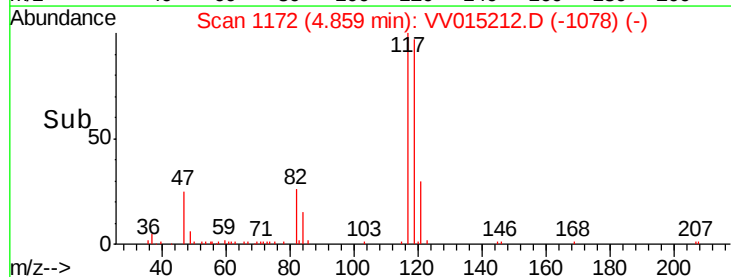
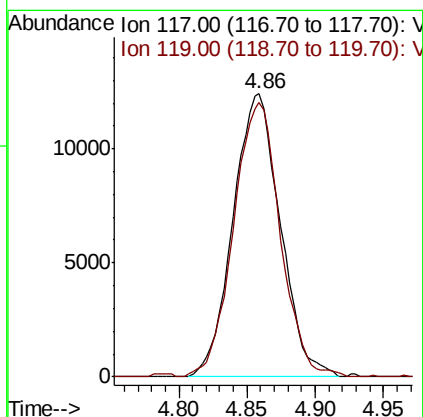
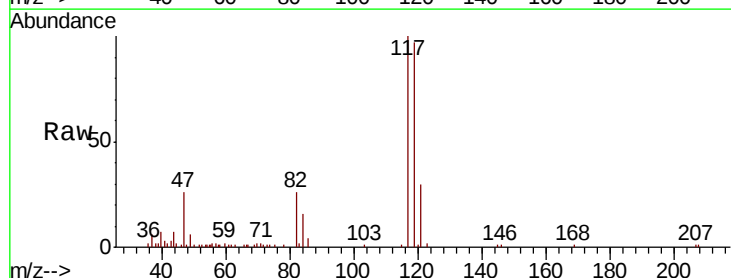
Instrument :
 MSVOA_V
 ClientSampleId :

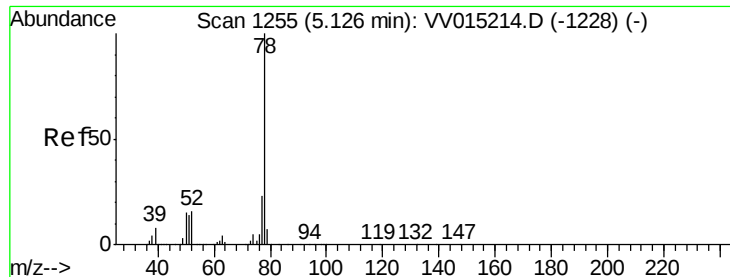
Tot Ion: 97 Resp: 36198
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.6 75.8
 61 40.9 33.4 50.2



#31
 Carbon tetrachloride
 Concen: 5.129 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

Tgt Ion: 117 Resp: 29868
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.0 114.0





#33

Benzene

Concen: 4.994 ug/L

RT: 5.13 min Scan# 1257

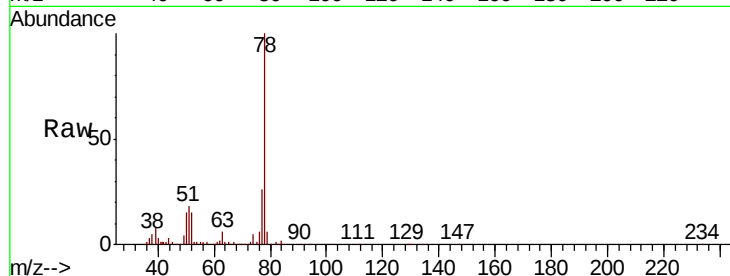
Delta R.T. 0.01 min

Lab File: VV015212.D

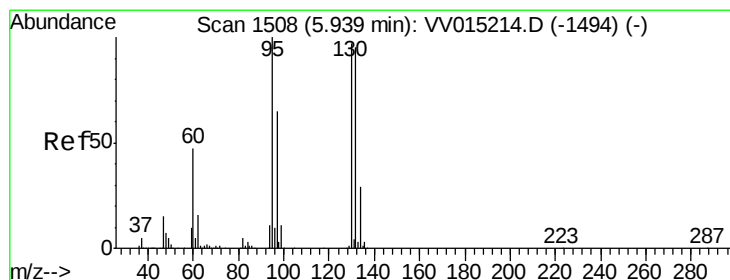
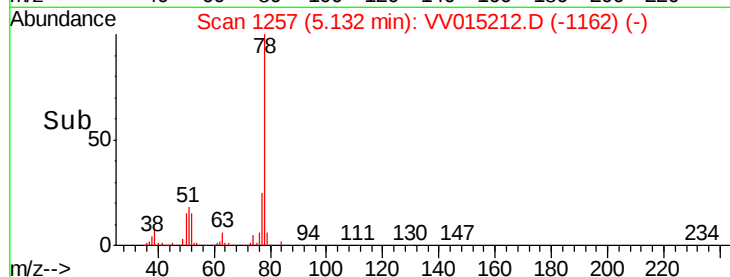
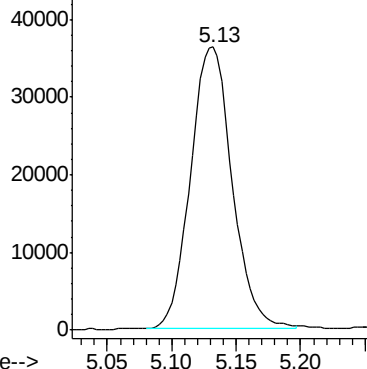
Acq: 27 Mar 2020 18:48

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 81357



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 5.283 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Tgt Ion: 95 Resp: 22395

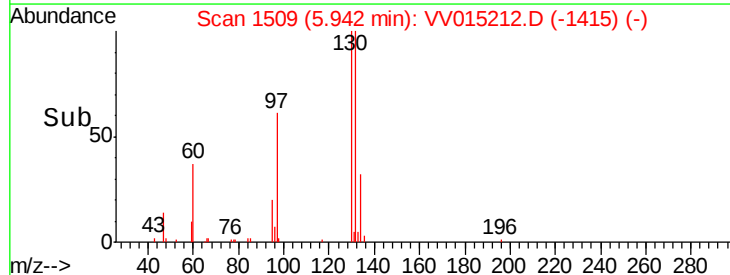
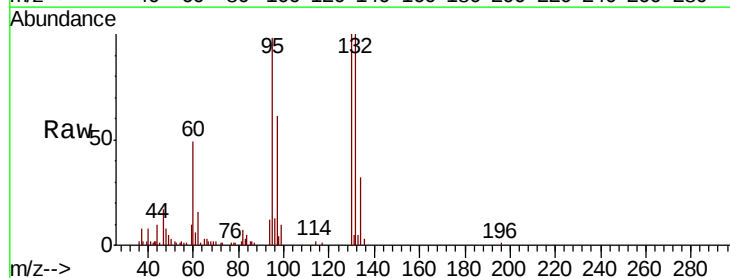
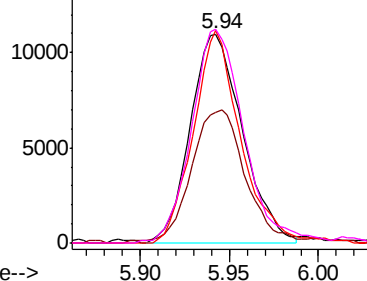
Ion	Ratio	Lower	Upper
95	100		
97	62.7	45.7	84.9
132	102.0	66.2	123.0
130	102.3	67.6	125.6

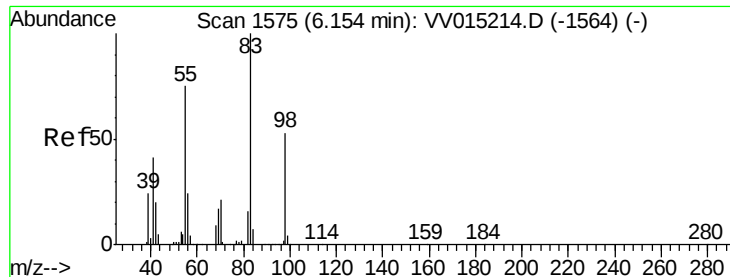
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

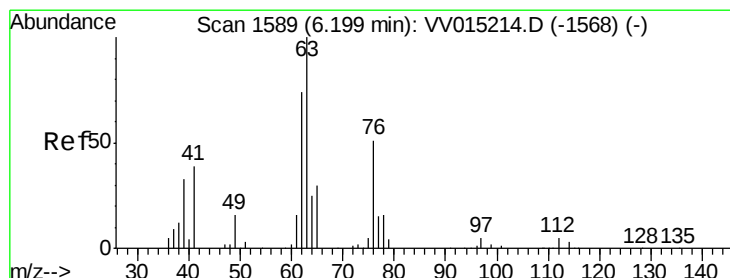
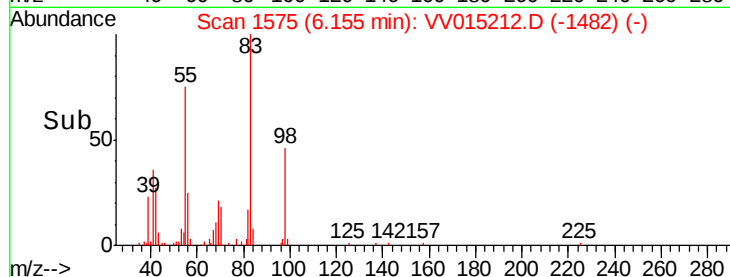
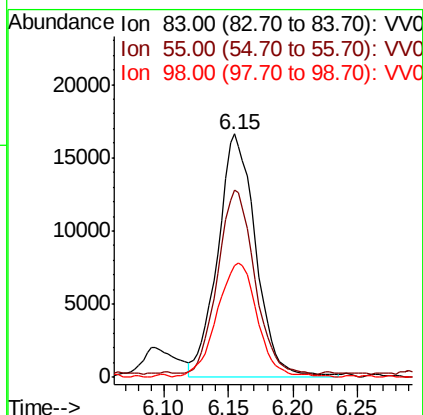
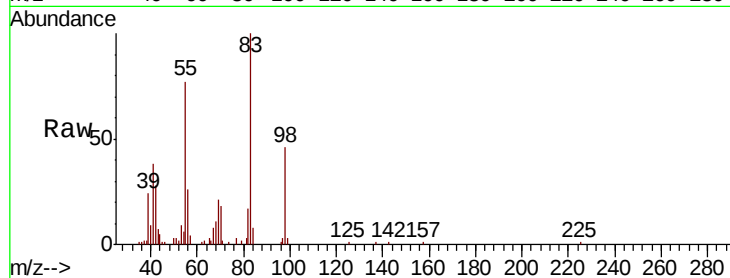




#35
Methvlcvclohexane
Concen: 4.866 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

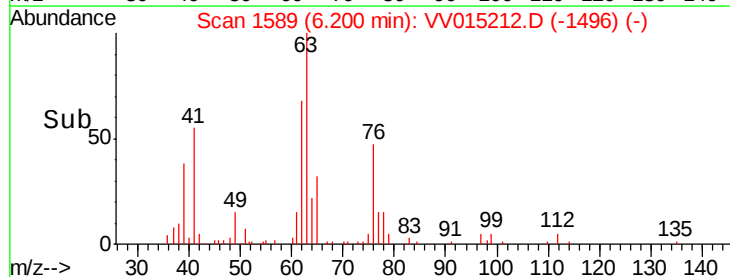
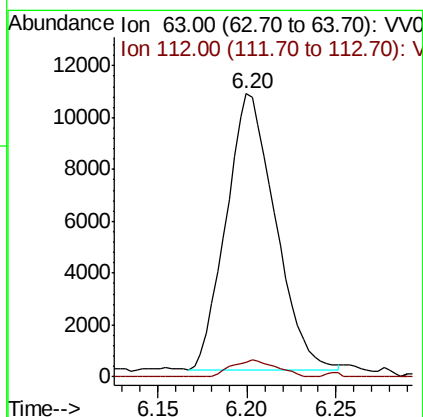
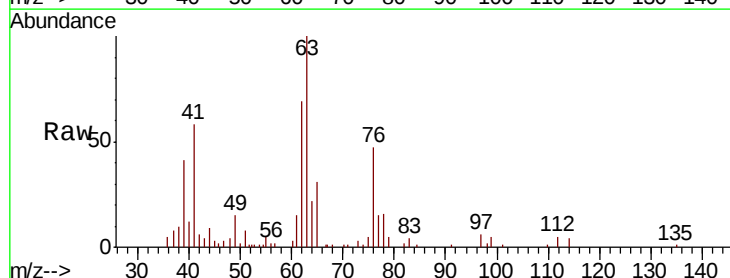
Instrument :
MSVOA_V
ClientSampleId :

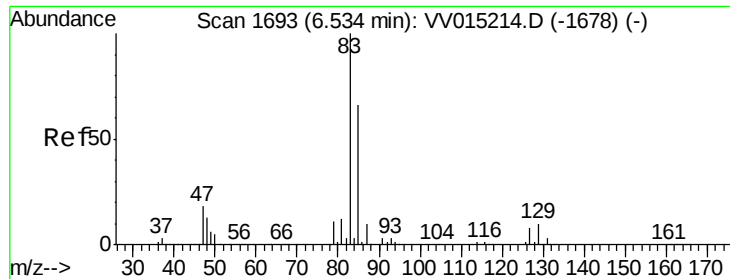
Tot Ion: 83 Resp: 34076
Ion Ratio Lower Upper
83 100
55 72.9 58.2 87.2
98 49.4 41.0 61.4



#37
1,2-Dichloropropane
Concen: 4.907 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Tgt Ion: 63 Resp: 20399
Ion Ratio Lower Upper
63 100
112 5.6 3.5 5.3#





#38

Bromodichloromethane

Concen: 5.371 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :

MSVOA_V

ClientSampleId :

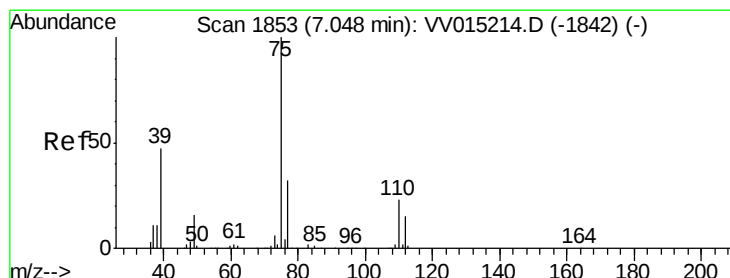
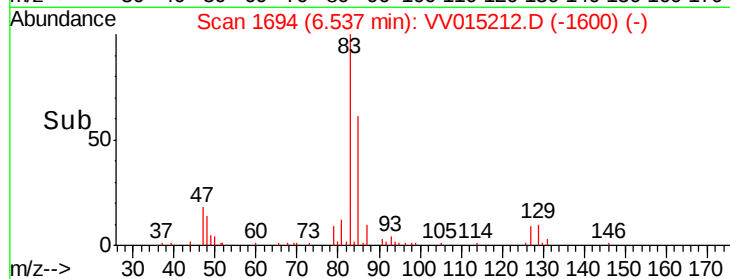
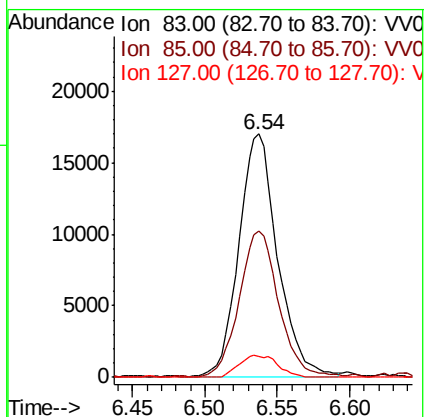
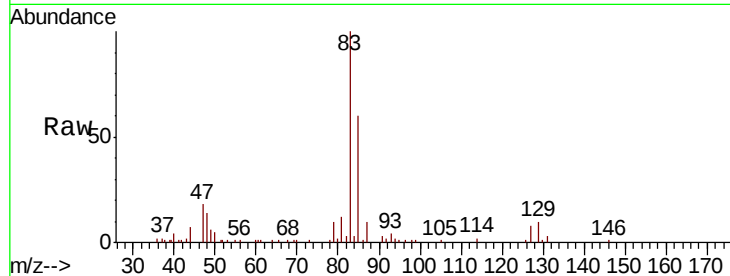
Tot Ion: 83 Resp: 31725

Ion Ratio Lower Upper

83 100

85 59.9 46.3 85.9

127 8.5 6.5 9.7



#39

cis-1,3-Dichloropropene

Concen: 4.886 ug/L

RT: 7.05 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VV015212.D

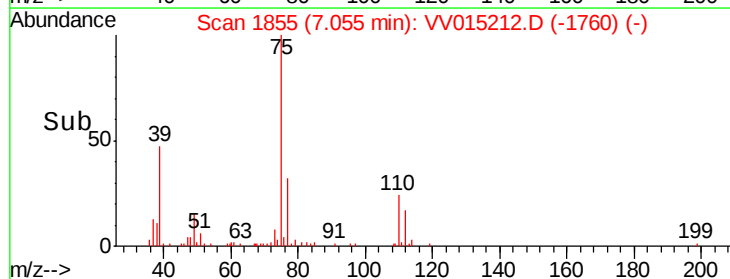
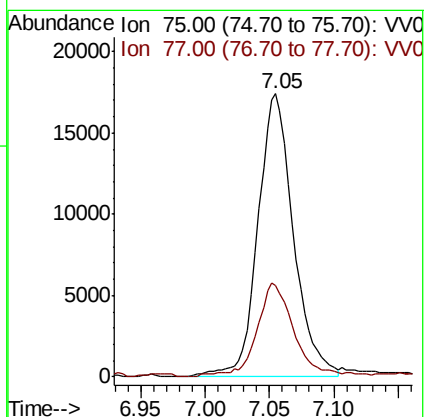
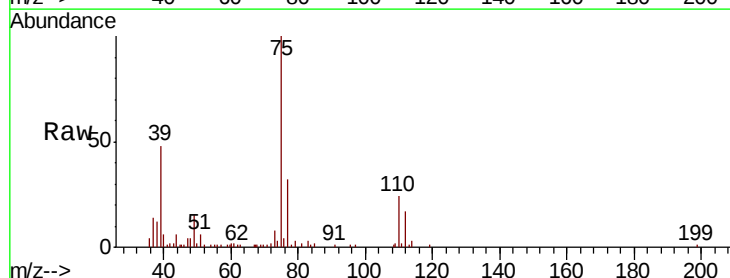
Acq: 27 Mar 2020 18:48

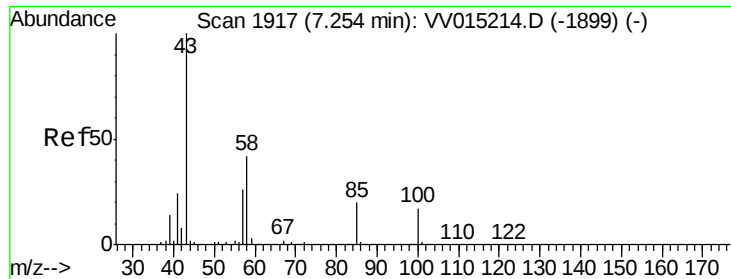
Tgt Ion: 75 Resp: 33646

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.9

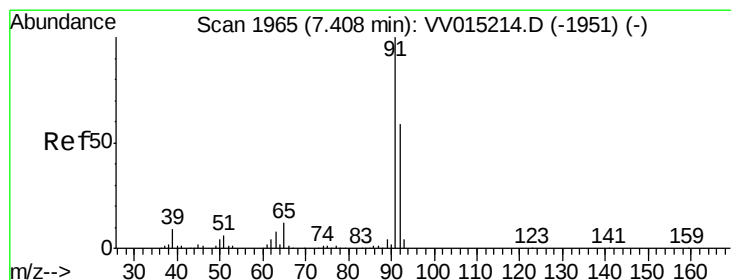
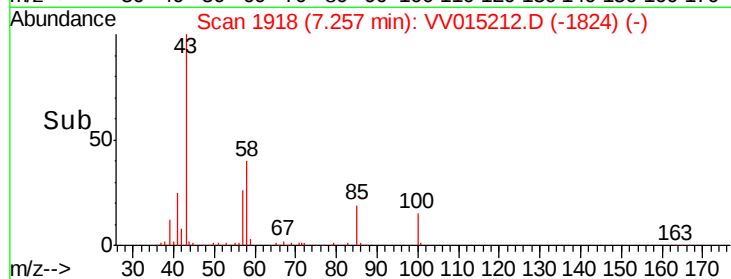
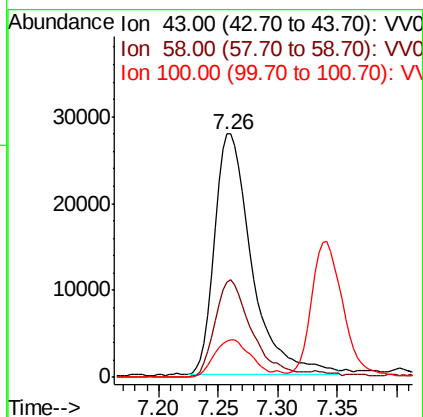
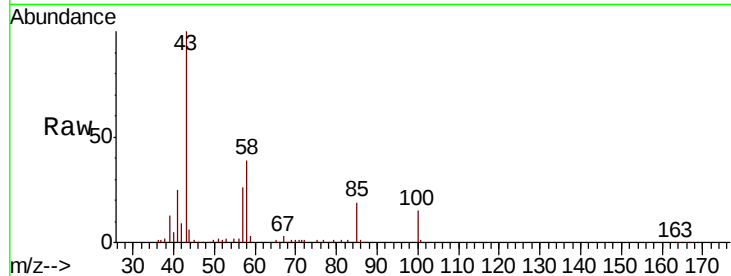




#40
4-Methyl-2-pentanone
Concen: 9.633 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

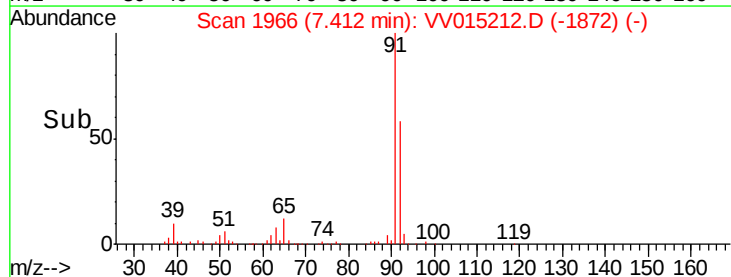
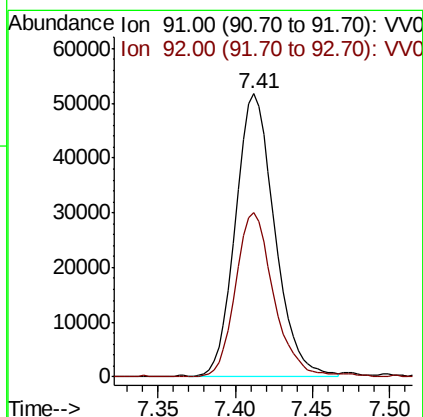
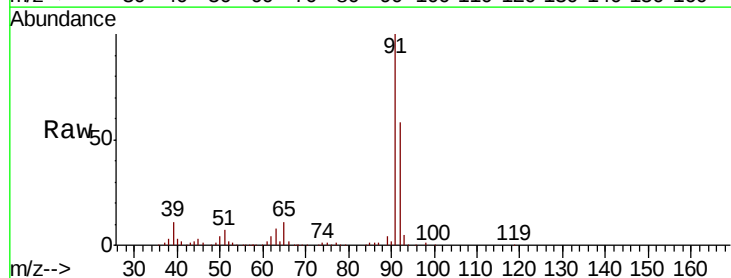
Instrument :
MSVOA_V
ClientSampleId :

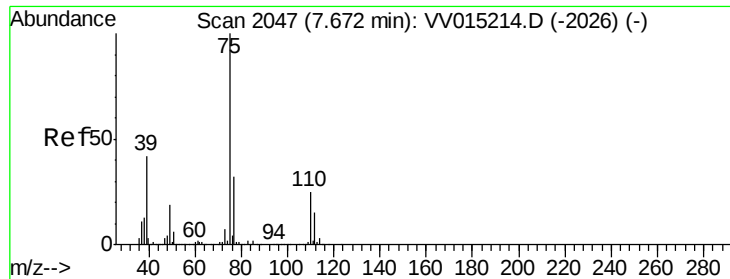
Tot Ion: 43 Resp: 59976
Ion Ratio Lower Upper
43 100
58 40.0 32.5 48.7
100 15.3 13.4 20.0



#42
Toluene
Concen: 4.982 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Tgt Ion: 91 Resp: 90411
Ion Ratio Lower Upper
91 100
92 57.8 41.0 76.2





#44

trans-1,3-Dichloropropene

Concen: 4.642 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

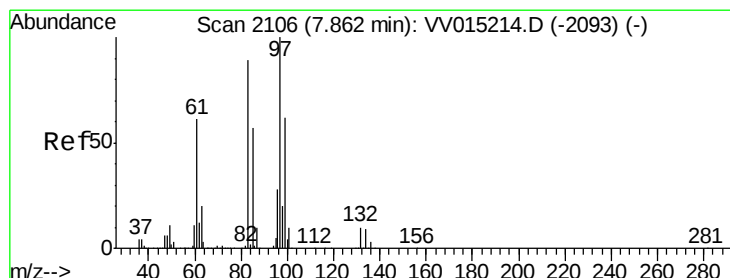
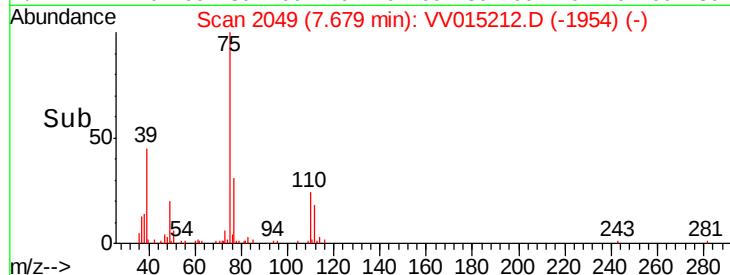
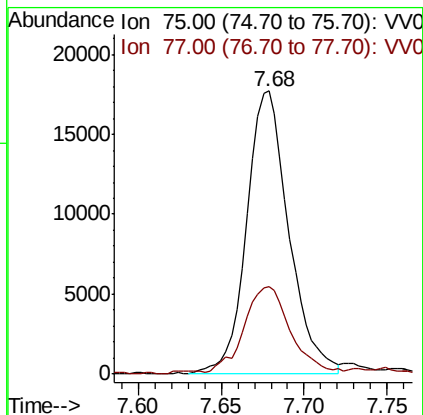
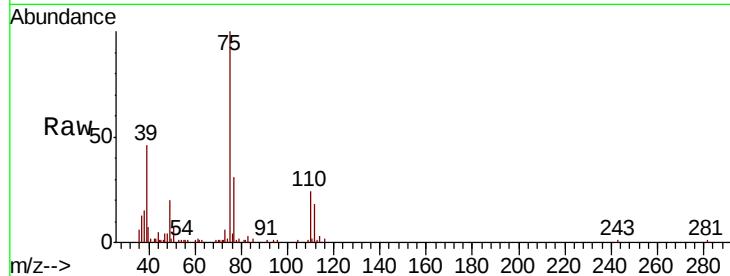
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 31362

Ion Ratio Lower Upper

75 100

77 30.9 22.3 41.5



#45

1,1,2-Trichloroethane

Concen: 5.037 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Tgt Ion: 97 Resp: 20618

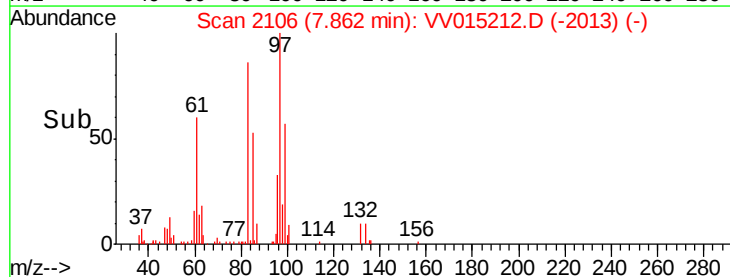
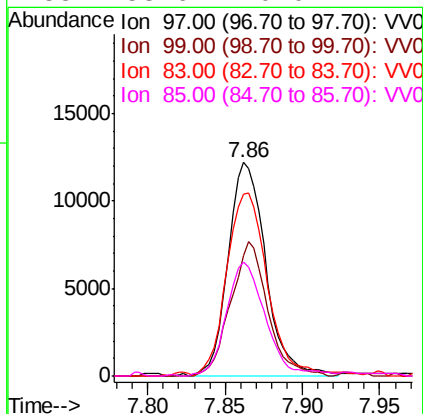
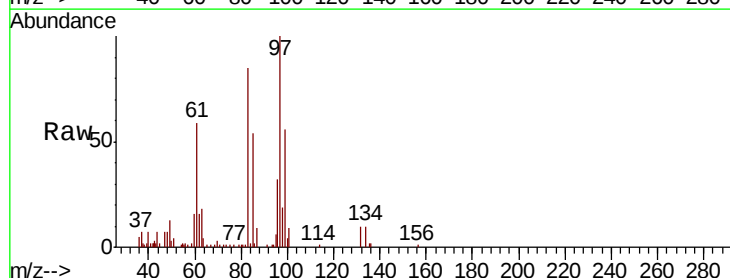
Ion Ratio Lower Upper

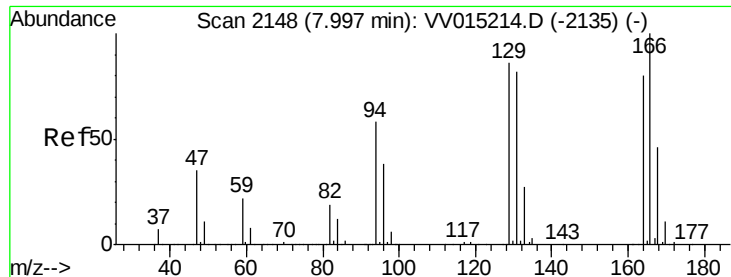
97 100

99 56.3 43.3 80.3

83 85.4 62.1 115.3

85 53.6 40.0 74.2





#46

Tetrachloroethene

Concen: 4.904 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 13940

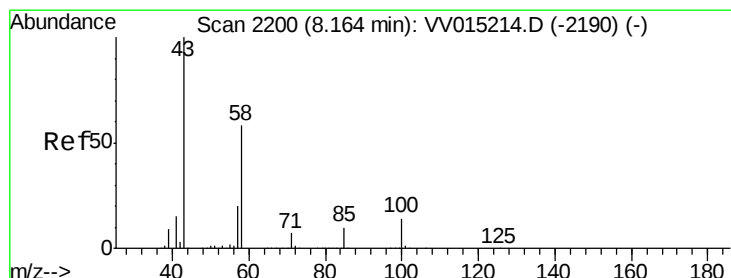
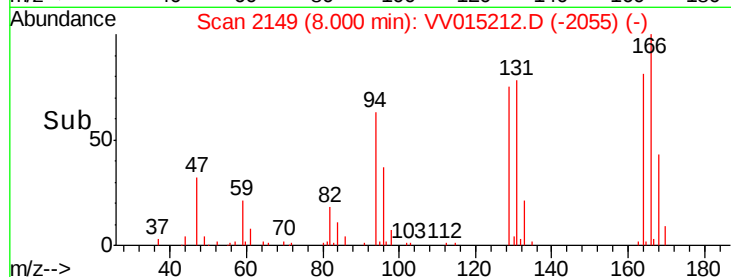
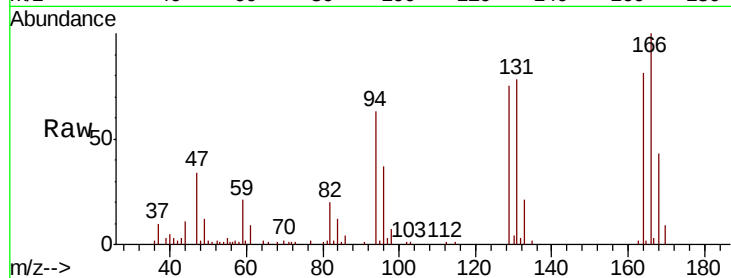
Ion Ratio Lower Upper

164 100

129 92.7 75.3 139.9

131 97.1 71.8 133.4

166 124.2 87.9 163.3



#48

2-Hexanone

Concen: 9.216 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Tgt Ion: 43 Resp: 45138

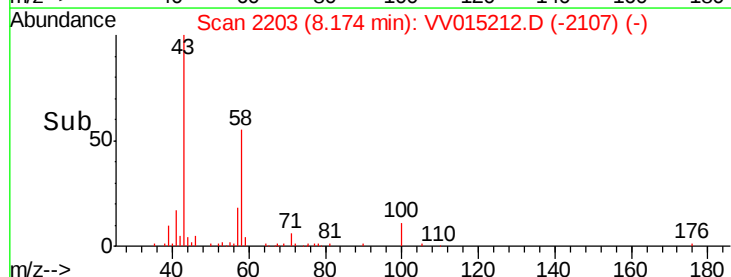
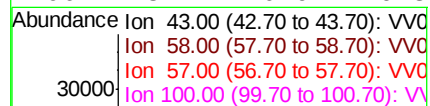
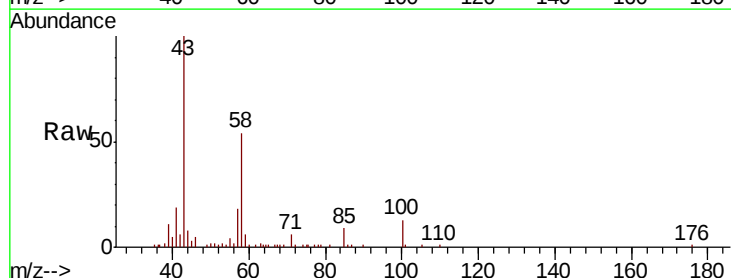
Ion Ratio Lower Upper

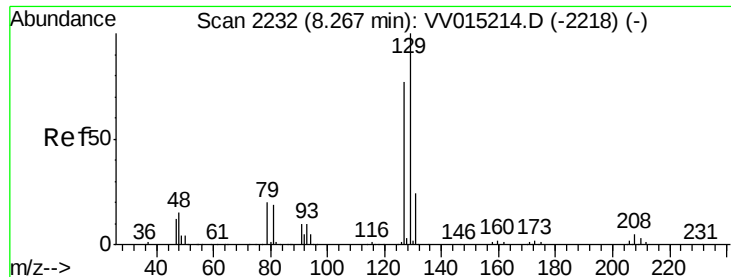
43 100

58 51.2 45.5 68.3

57 20.3 15.8 23.6

100 13.2 10.9 16.3





#49

Dibromochloromethane

Concen: 4.793 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :

MSVOA_V

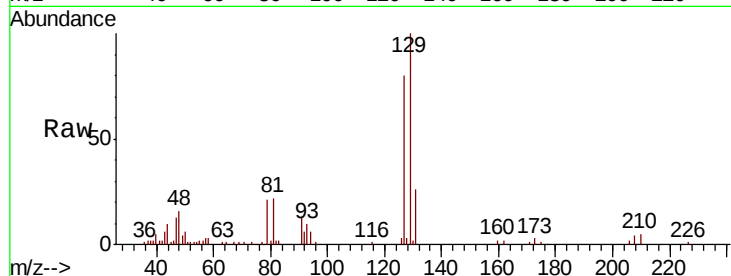
ClientSampleId :

Tot Ion:129 Resp: 21537

Ion Ratio Lower Upper

129 100

127 80.4 54.0 100.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.27

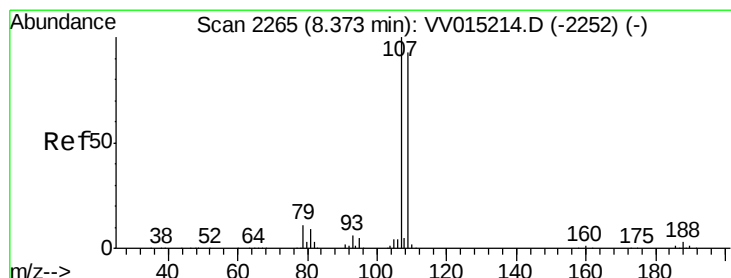
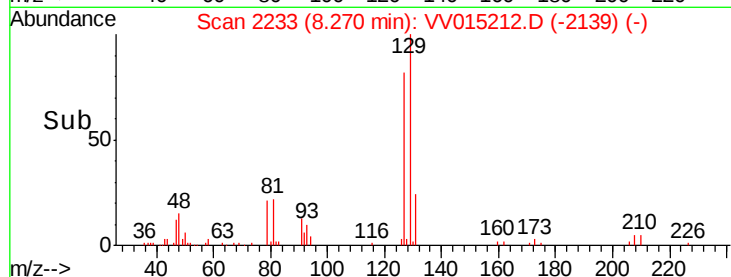
15000

10000

5000

0

Time--> 8.20 8.25 8.30



#50

1,2-Dibromoethane

Concen: 4.790 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

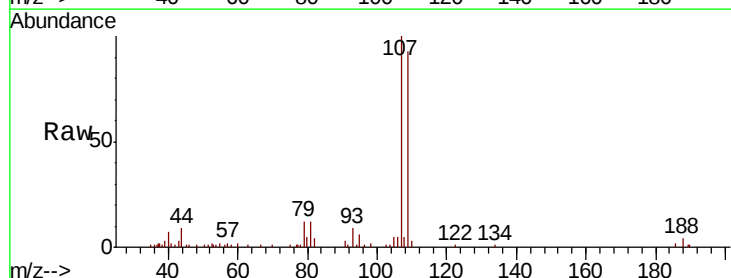
Tgt Ion:107 Resp: 21235

Ion Ratio Lower Upper

107 100

109 93.3 65.1 120.9

188 4.4 2.3 3.5#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

8.38

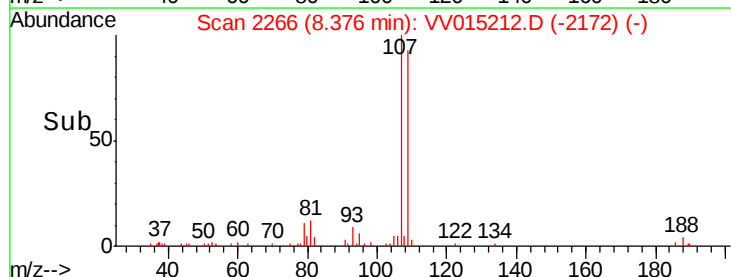
15000

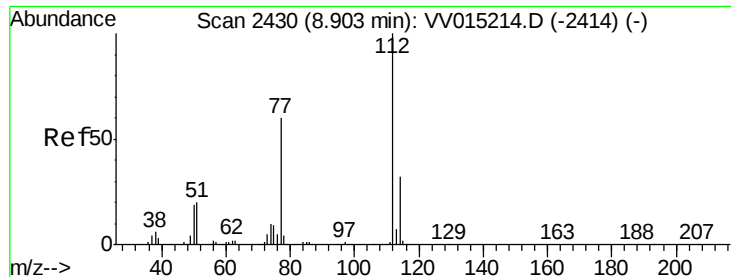
10000

5000

0

Time--> 8.30 8.35 8.40 8.45

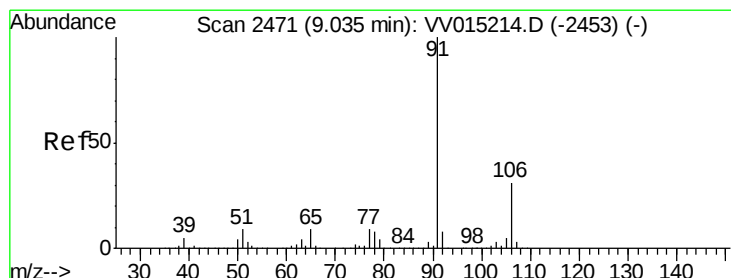
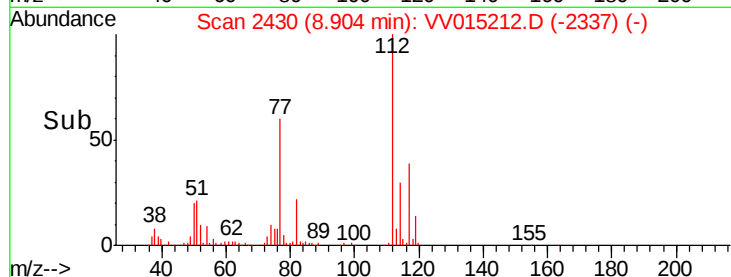
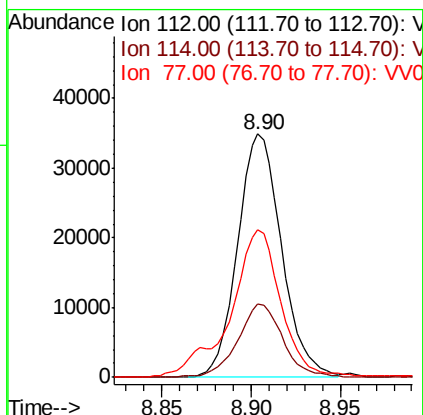
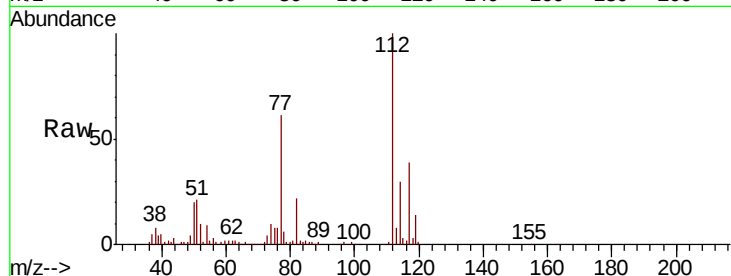




#51
Chlorobenzene
Concen: 5.179 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

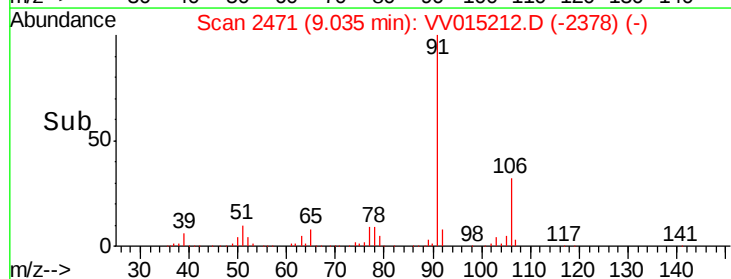
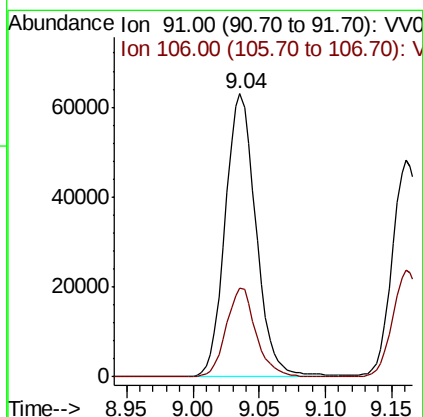
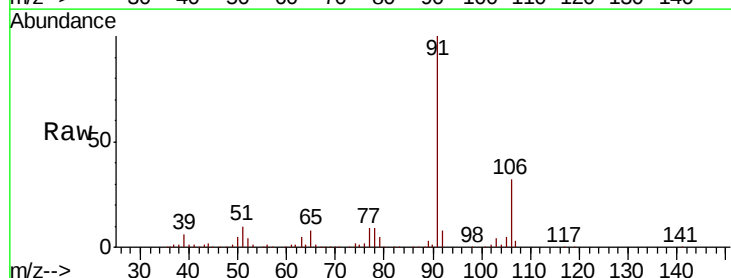
Instrument :
MSVOA_V
ClientSampleId :

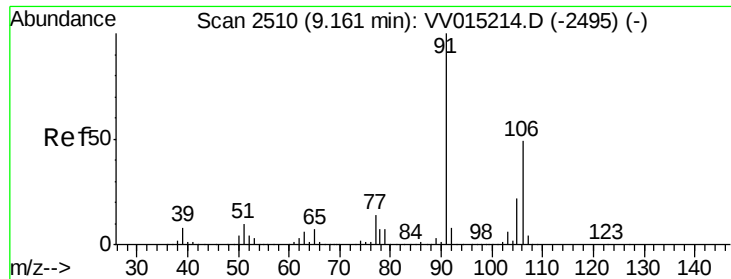
Tot Ion:112 Resp: 60071
Ion Ratio Lower Upper
112 100
114 30.0 22.3 41.5
77 60.8 48.2 72.2



#52
Ethylbenzene
Concen: 4.943 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Tgt Ion: 91 Resp: 101097
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7

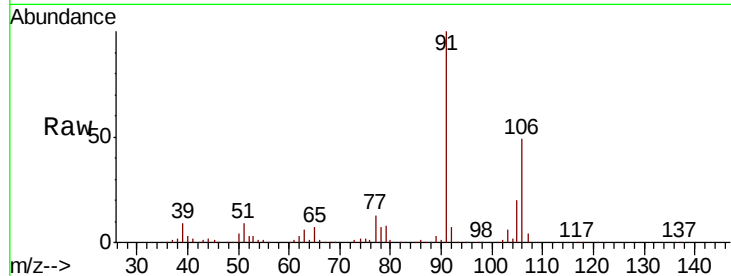




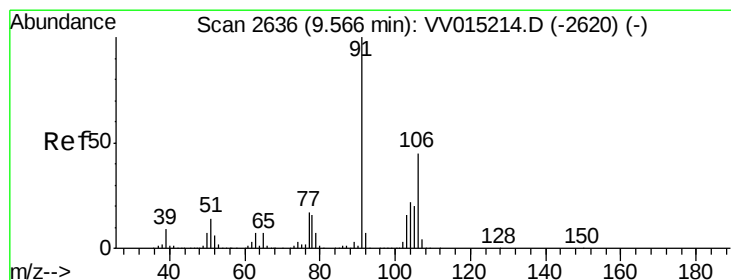
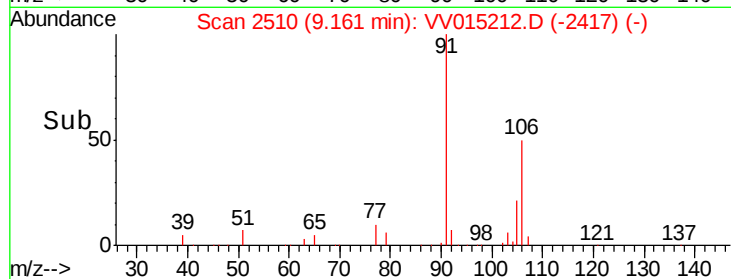
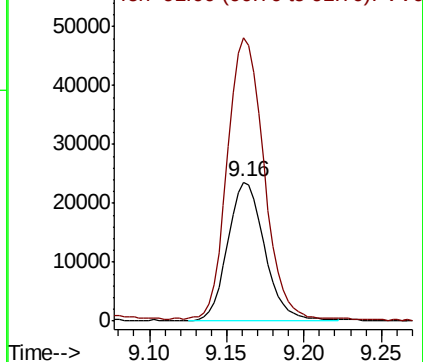
#53
m,p-Xylene
Concen: 4.939 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 38489
Ion Ratio Lower Upper
106 100
91 203.3 142.1 263.9

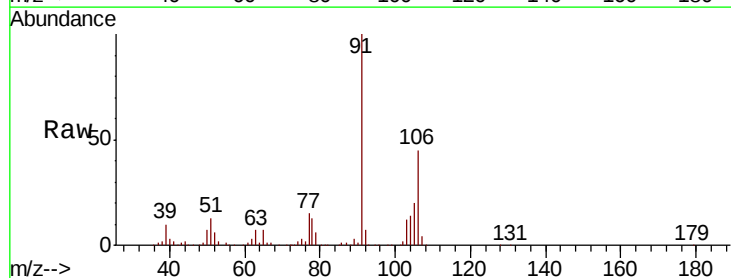


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

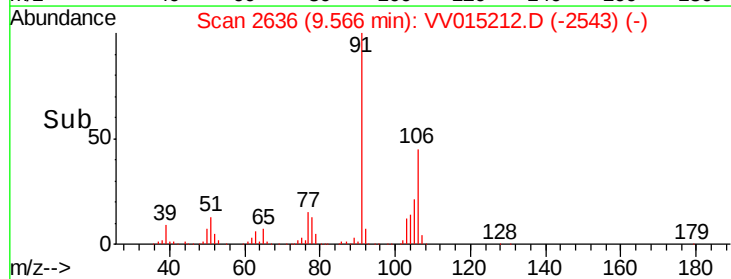
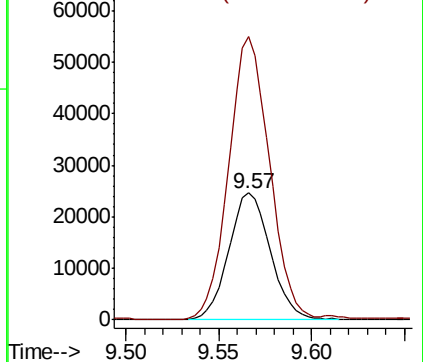


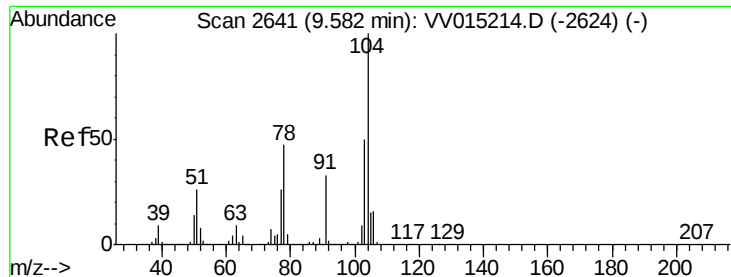
#54
o-xylene
Concen: 4.903 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Tgt Ion:106 Resp: 38442
Ion Ratio Lower Upper
106 100
91 223.5 155.5 288.7



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

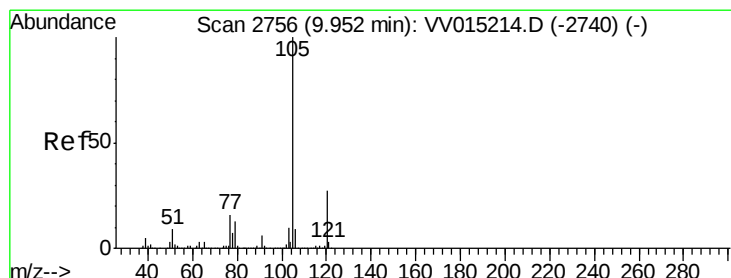
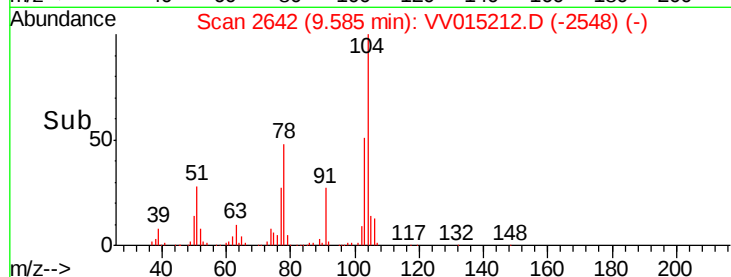
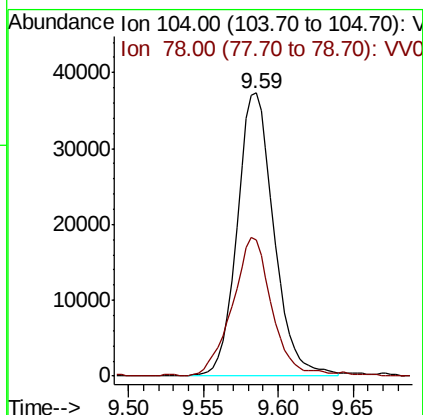
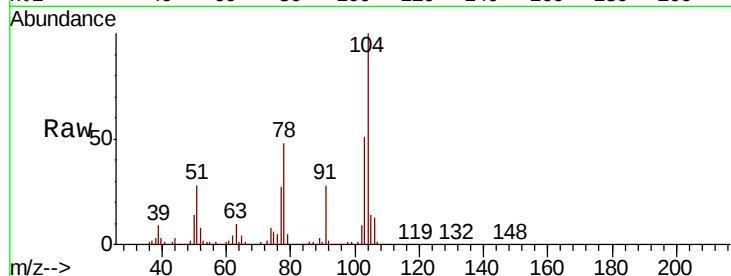




#55
Stvrene
Concen: 4.816 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

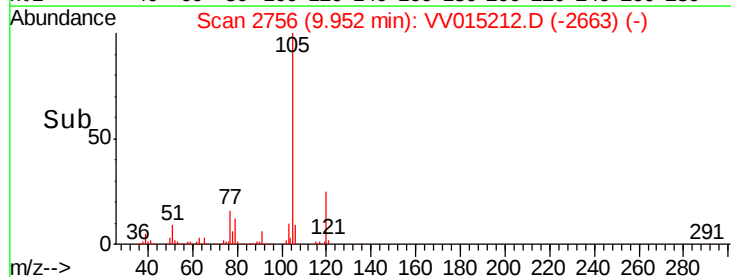
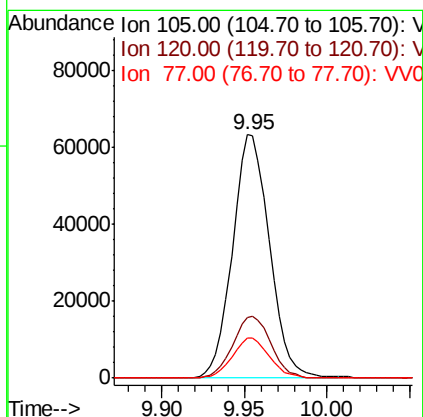
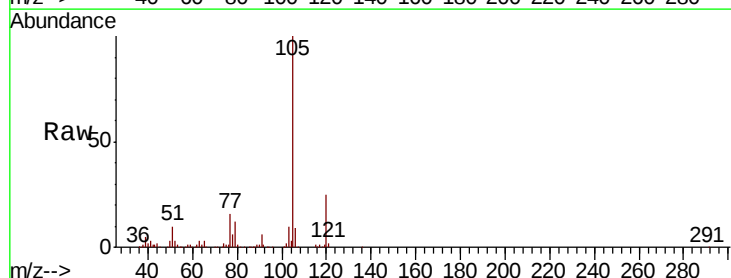
Instrument :
MSVOA_V
ClientSampled :

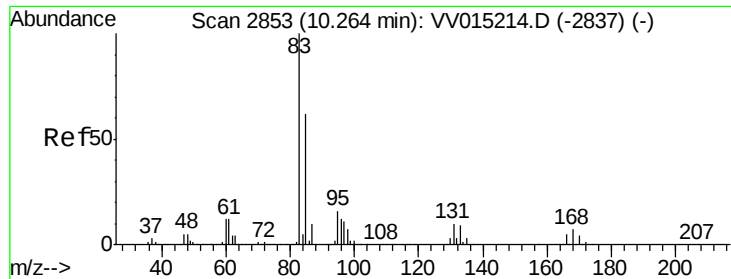
Tot Ion:104 Resp: 63780
Ion Ratio Lower Upper
104 100
78 48.2 33.0 61.2



#56
Isopropylbenzene
Concen: 4.845 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Tgt Ion:105 Resp: 97482
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.0
77 16.7 13.0 19.4





#58

1,1,2,2-Tetrachloroethane

Concen: 5.025 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VV015212.D

Acq: 27 Mar 2020 18:48

Instrument :

MSVOA_V

ClientSampled :

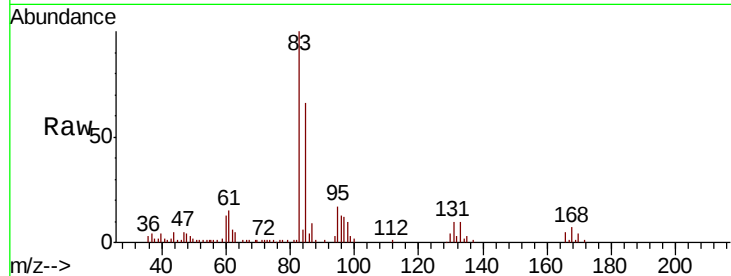
Tot Ion: 83 Resp: 34473

Ion Ratio Lower Upper

83 100

85 65.8 43.6 81.0

131 9.6 7.8 11.6

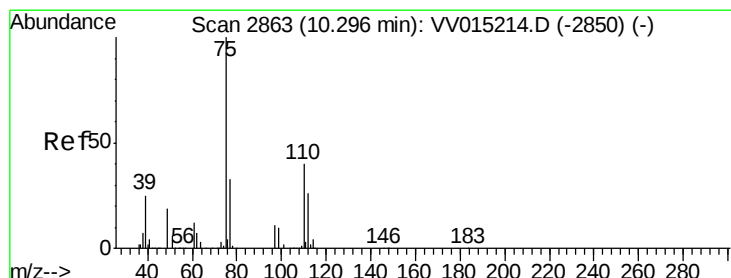
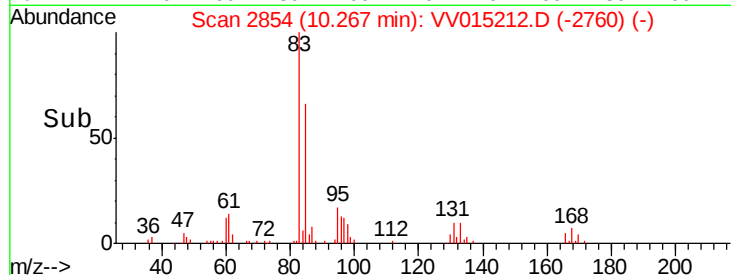


Abundance Ion 83.00 (82.70 to 83.70): VV015212.D (-2837) (-)

Ion 85.00 (84.70 to 85.70): VV015212.D (-2837) (-)

Ion 131.00 (130.70 to 131.70): VV015212.D (-2837) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.117 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015212.D

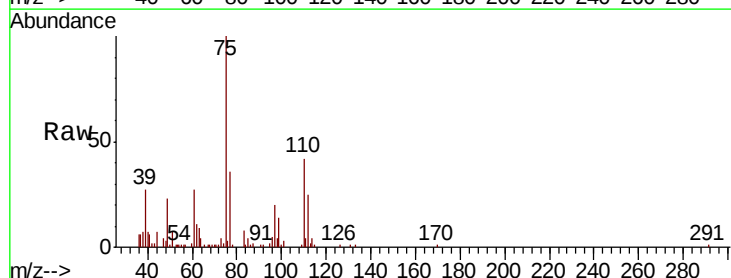
Acq: 27 Mar 2020 18:48

Tgt Ion: 75 Resp: 28165

Ion Ratio Lower Upper

75 100

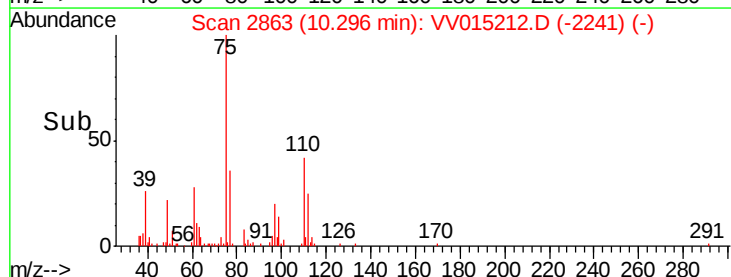
77 34.3 26.0 39.0

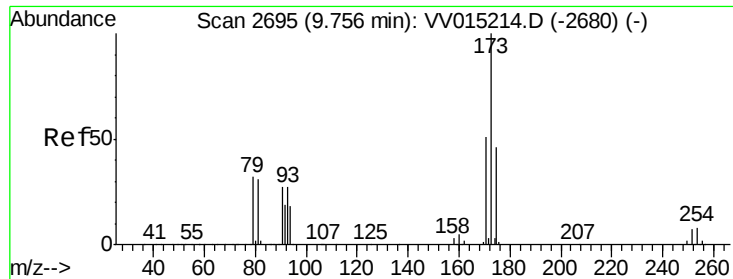


Abundance Ion 75.00 (74.70 to 75.70): VV015212.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV015212.D (-2850) (-)

Time-->

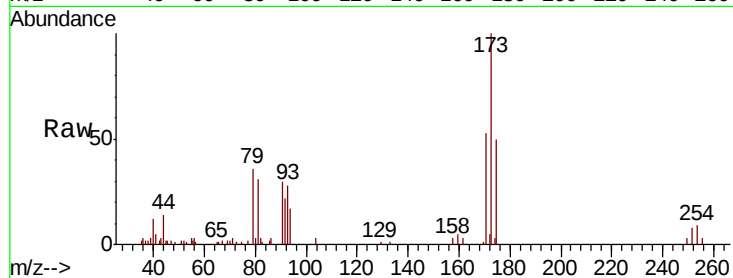




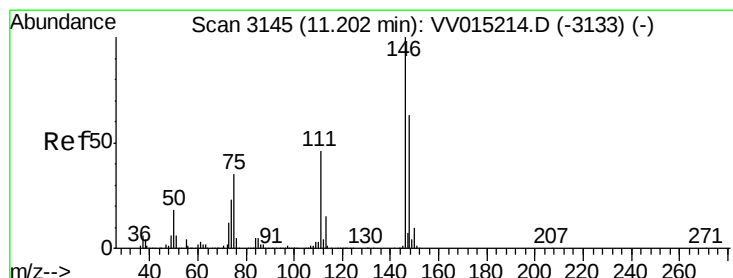
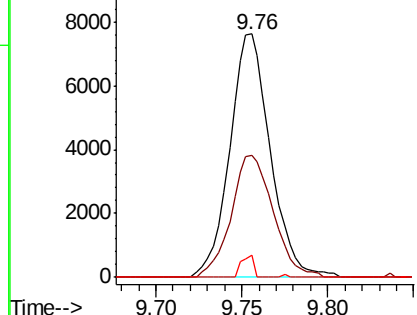
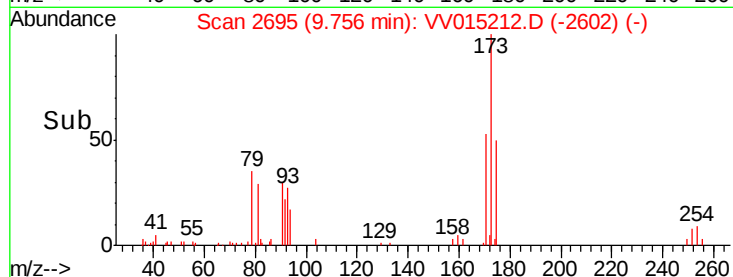
#61
Bromoform
Concen: 4.526 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:173 Resp: 12545
Ion Ratio Lower Upper
173 100
175 51.8 37.6 56.4
254 2.7 5.5 8.3#

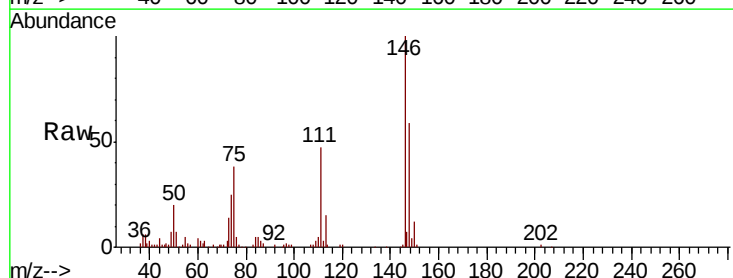


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

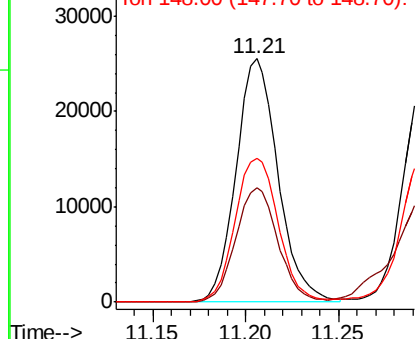
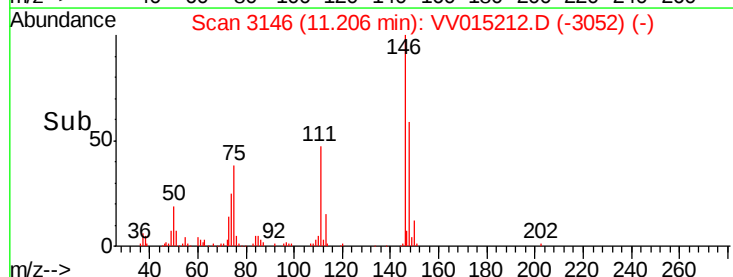


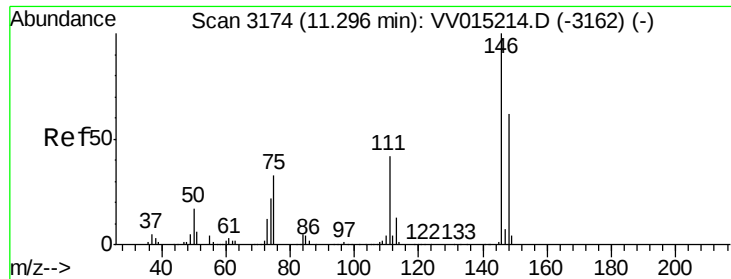
#62
1,3-Dichlorobenzene
Concen: 4.994 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.00 min
Lab File: VV015212.D
Acq: 27 Mar 2020 18:48

Tgt Ion:146 Resp: 40244
Ion Ratio Lower Upper
146 100
111 46.8 32.1 59.7
148 59.2 44.0 81.6



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

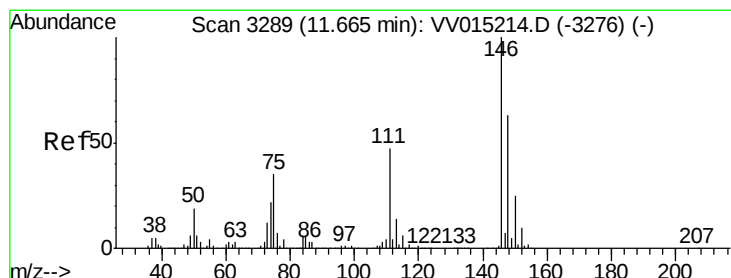
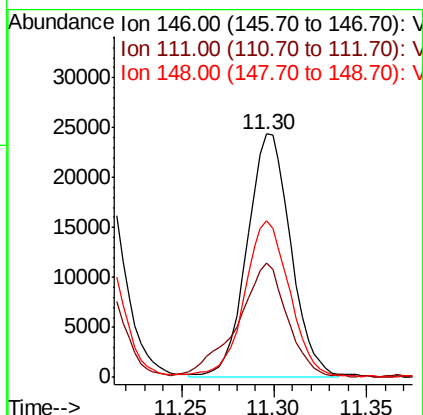
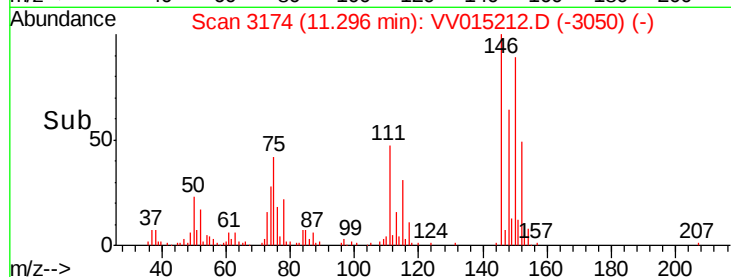
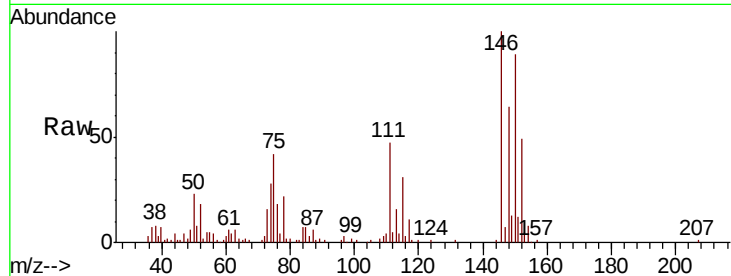




#63
 1,4-Dichlorobenzene
 Concen: 4.891 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

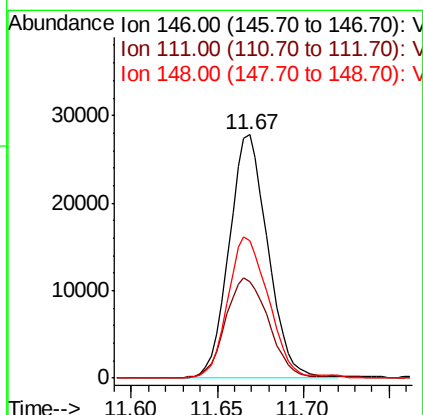
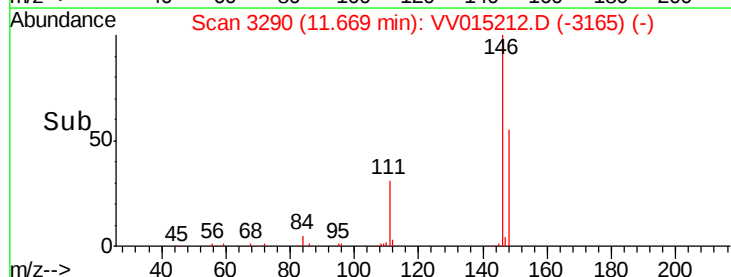
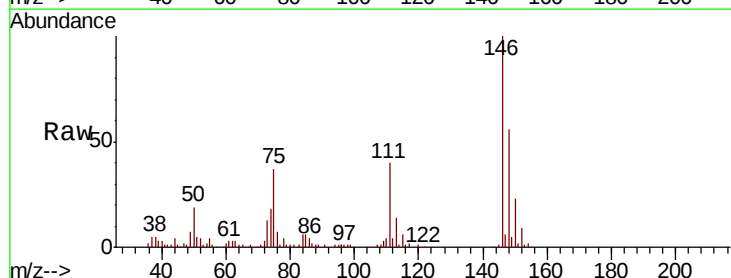
Instrument :
 MSVOA_V
 ClientSampleId :

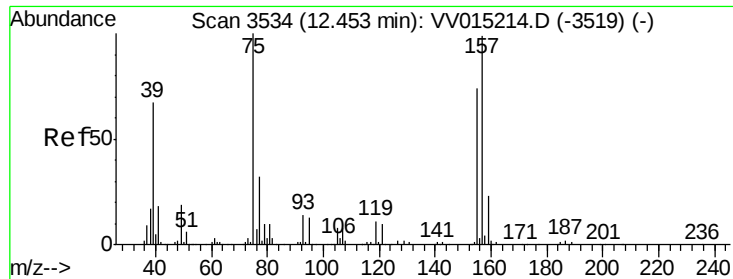
Tot Ion:146 Resp: 39868
 Ion Ratio Lower Upper
 146 100
 111 47.2 29.4 54.6
 148 64.1 43.6 81.0



#65
 1,2-Dichlorobenzene
 Concen: 5.323 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

Tgt Ion:146 Resp: 43457
 Ion Ratio Lower Upper
 146 100
 111 39.7 37.6 56.4
 148 56.3 50.6 76.0

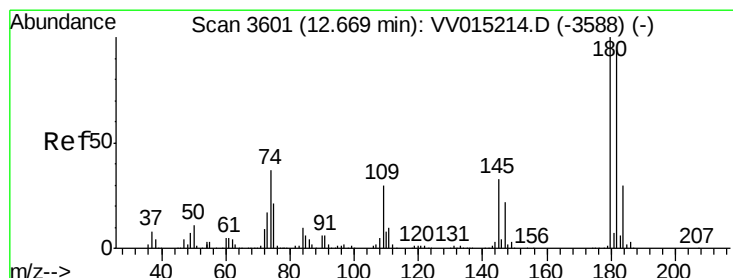
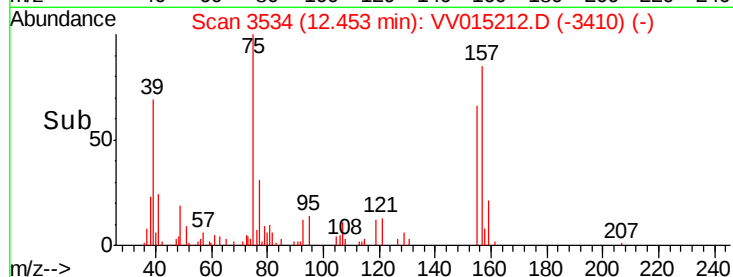
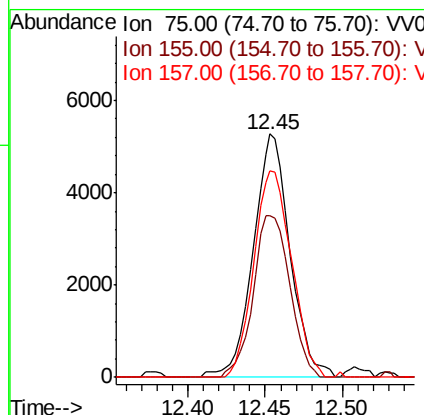
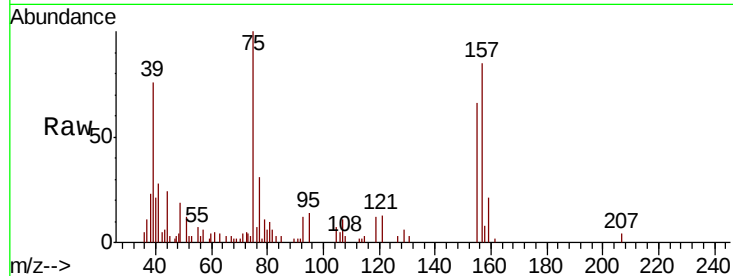




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.836 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

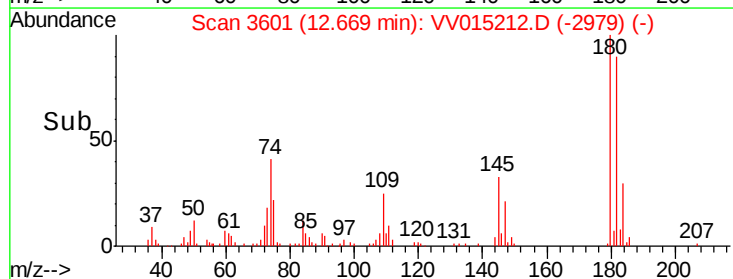
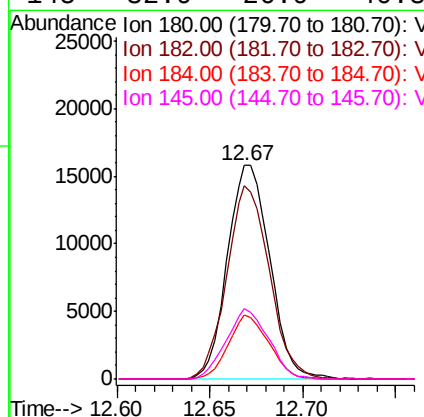
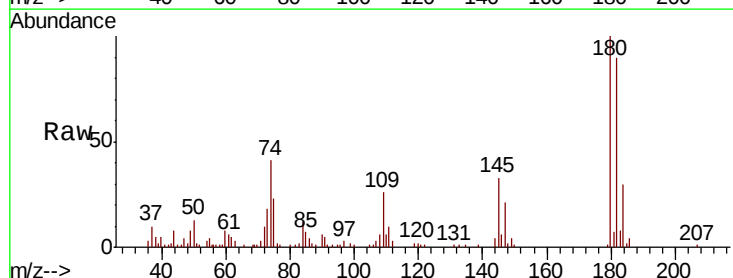
Instrument :
 MSVOA_V
 ClientSampleId :

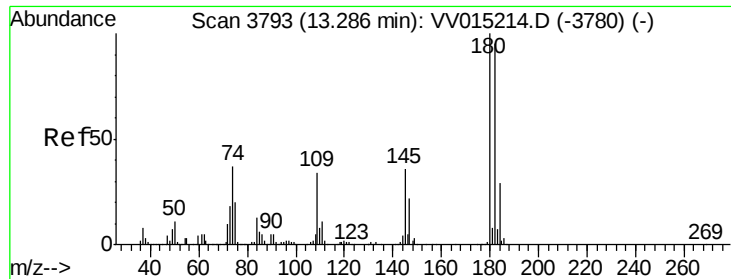
Tot Ion: 75 Resp: 8732
 Ion Ratio Lower Upper
 75 100
 155 66.5 59.1 88.7
 157 84.7 78.9 118.3



#67
 1,3,5-Trichlorobenzene
 Concen: 4.869 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

Tgt Ion: 180 Resp: 25106
 Ion Ratio Lower Upper
 180 100
 182 90.5 75.4 113.0
 184 28.4 23.8 35.8
 145 32.9 26.9 40.3

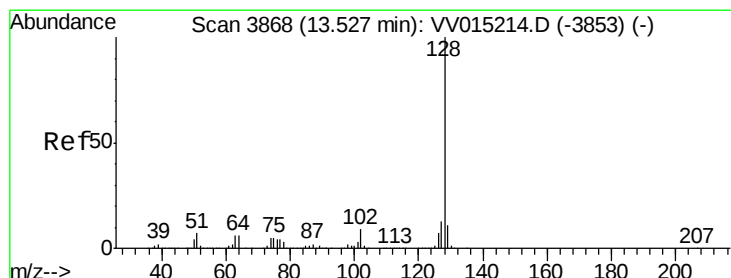
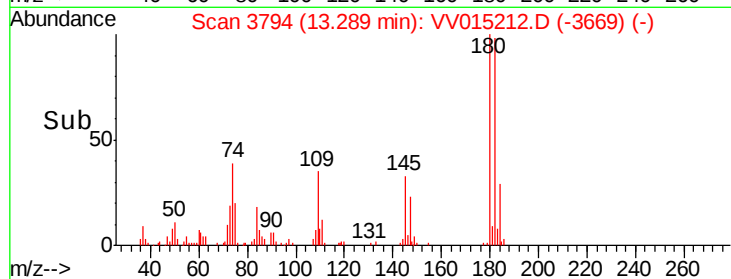
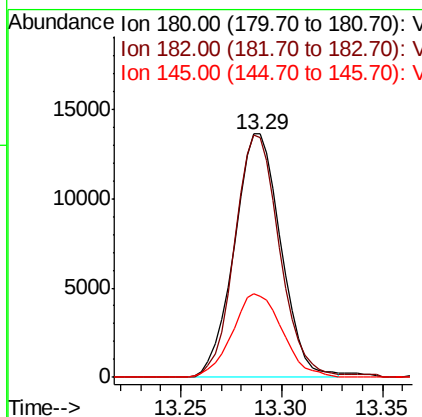
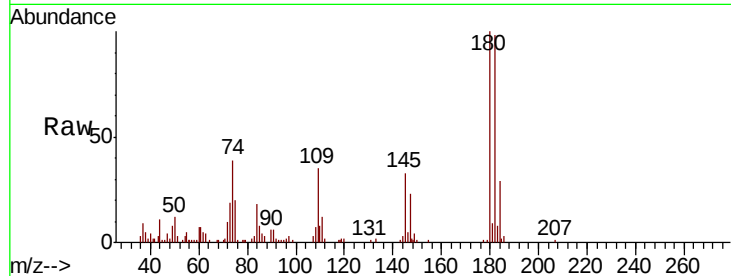




#68
 1,2,4-trichlorobenzene
 Concen: 4.496 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

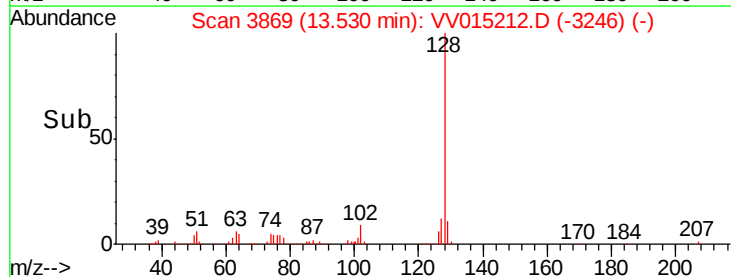
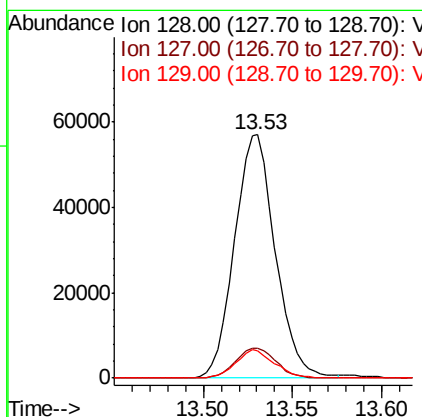
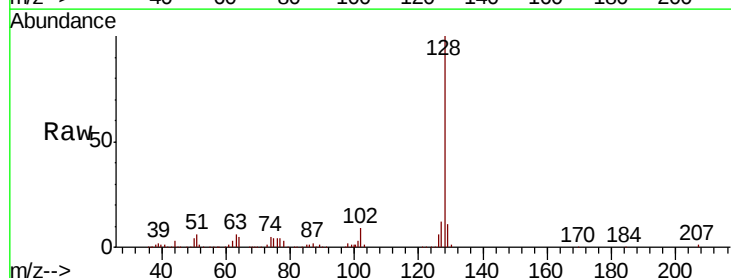
Instrument :
 MSVOA_V
 ClientSampleId :

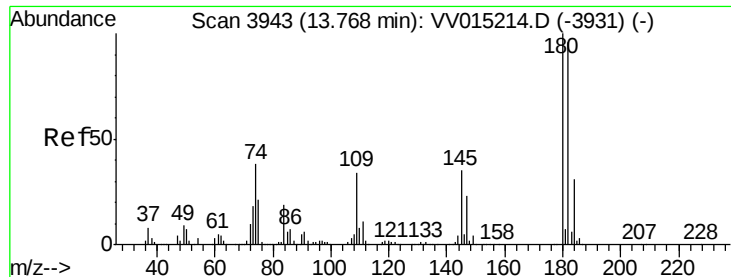
Tot Ion:180 Resp: 22062
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.5 113.3
 145 37.1 28.5 42.7



#69
 Naphthalene
 Concen: 4.654 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

Tgt Ion:128 Resp: 91216
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.6 15.8
 129 10.9 8.6 12.8

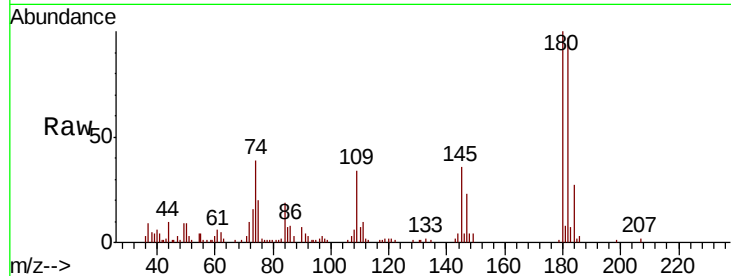




#70
 1,2,3-Trichlorobenzene
 Concen: 4.630 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015212.D
 Acq: 27 Mar 2020 18:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
22714	180	100		
	182	99.3	75.9	113.9
	145	36.5	29.0	43.6



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

