

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014790.D
 Acq On : 10 Mar 2020 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 11 01:56:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	415416	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	409066	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	220800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	118231	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.12%
7) Chloroethane-d5	1.58	69	97569	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.12	63	206480	44.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.40%
21) 2-Butanone-d5	3.94	46	192585	91.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.85%
24) Chloroform-d	4.38	84	267503	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.06	65	172085	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
32) Benzene-d6	5.07	84	527230	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.09	67	162346	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.70%
41) Toluene-d8	7.34	98	509353	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	7.64	79	83554	47.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.60%
47) 2-Hexanone-d5	8.11	63	157310	98.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.97%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	236422	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	215764	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	203071	49.462	ug/L	99
3) Chloromethane	1.25	50	153497	42.448	ug/L	99
5) Vinyl chloride	1.32	62	146440	43.700	ug/L	97
6) Bromomethane	1.53	94	83793	40.290	ug/L	99
8) Chloroethane	1.60	64	82803	45.968	ug/L	95
9) Trichlorofluoromethane	1.76	101	223450	49.868	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	112415	48.734	ug/L	97
12) 1,1-Dichloroethene	2.13	96	103866	46.026	ug/L	99
13) Acetone	2.22	43	206191	117.785	ug/L	99
14) Carbon disulfide	2.31	76	331728	44.462	ug/L	99
15) Methyl Acetate	2.46	43	140879	42.836	ug/L	93
16) Methylene chloride	2.52	84	146839	47.911	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	137541	49.336	ug/L	93
18) Methyl tert-butyl Ether	2.79	73	448503	49.140	ug/L	97
19) 1,1-Dichloroethane	3.21	63	255583	46.937	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	156384	50.155	ug/L	92
22) 2-Butanone	4.02	43	257070	111.321	ug/L	99

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

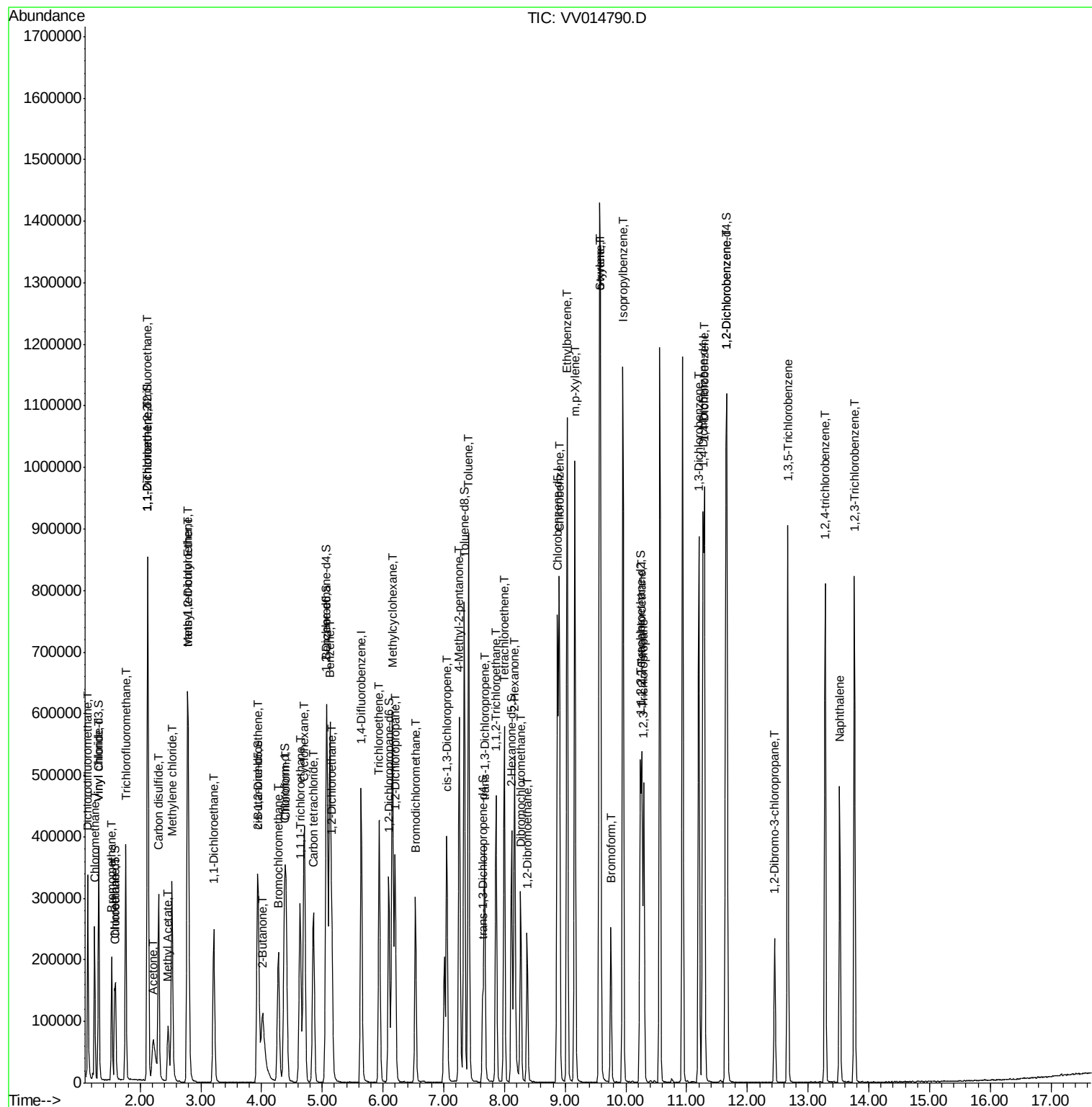
23) Bromochloromethane	4.27	128	78701	49.579	ug/L	94
25) Chloroform	4.41	83	267257	47.377	ug/L	98
27) 1,2-Dichloroethane	5.16	62	211793	48.443	ug/L	96
29) Cyclohexane	4.70	56	236646	47.479	ug/L	93
30) 1,1,1-Trichloroethane	4.63	97	239453	50.489	ug/L	98
31) Carbon tetrachloride	4.85	117	212344	52.719	ug/L	100
33) Benzene	5.13	78	580118	48.952	ug/L	100
34) Trichloroethene	5.94	95	149543	48.286	ug/L	98
35) Methylcyclohexane	6.15	83	259152	50.692	ug/L	95
37) 1,2-Dichloropropane	6.20	63	144565	45.142	ug/L #	97
38) Bromodichloromethane	6.53	83	197470	48.474	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	234897	46.796	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	419465	90.386	ug/L #	95
42) Toluene	7.41	91	645044	49.337	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	213900	46.745	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	143108	48.521	ug/L	96
46) Tetrachloroethene	8.00	164	134153	52.943	ug/L	96
48) 2-Hexanone	8.16	43	362051	99.193	ug/L #	96
49) Dibromochloromethane	8.27	129	156470	48.674	ug/L	99
50) 1,2-Dibromoethane	8.37	107	158893	49.839	ug/L	98
51) Chlorobenzene	8.90	112	425358	50.565	ug/L	97
52) Ethylbenzene	9.03	91	740344	50.263	ug/L	99
53) m,p-Xylene	9.16	106	287889	52.082	ug/L	97
54) o-xylene	9.56	106	277730	51.149	ug/L	97
55) Styrene	9.58	104	478680	51.555	ug/L	98
56) Isopropylbenzene	9.95	105	744679	51.207	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	245400	48.306	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	196631	48.079	ug/L	99
61) Bromoform	9.75	173	109551	45.734	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	364341	51.027	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	360449	50.107	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	356719	50.181	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	57492	47.653	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	282664	51.187	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	254357	50.114	ug/L	99
69) Naphthalene	13.52	128	374485	49.010	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	254533	50.312	ug/L	98

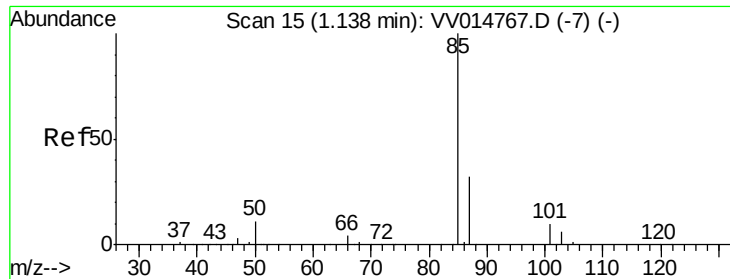
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.462 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

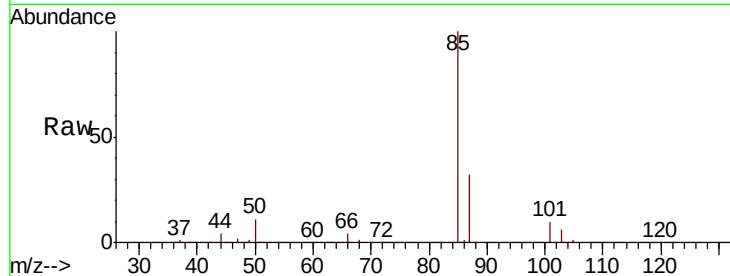
ClientSampleId :

Tot Ion: 85 Resp: 203071

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV014767.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV014767.D (-7) (-)

1.14

200000

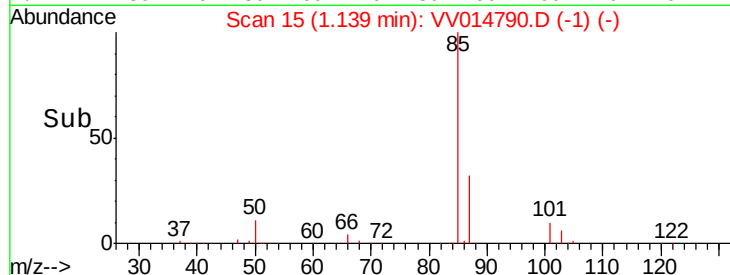
150000

100000

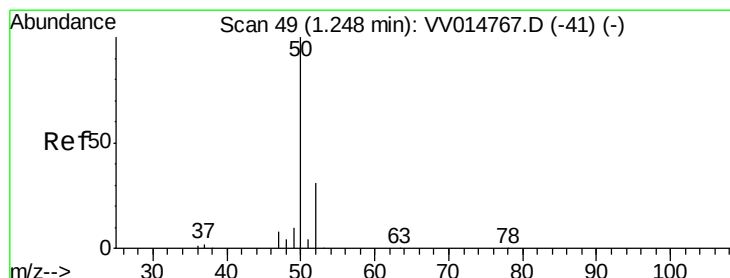
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 42.448 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014790.D

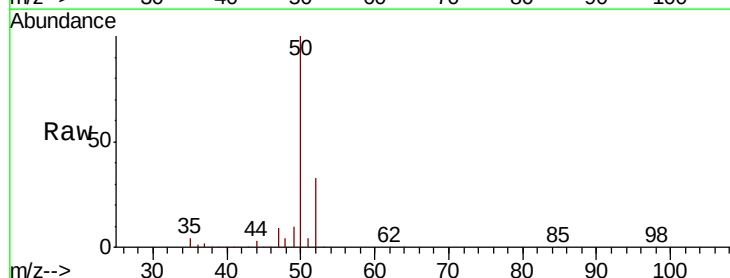
Acq: 10 Mar 2020 09:38

Tgt Ion: 50 Resp: 153497

Ion Ratio Lower Upper

50 100

52 33.1 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014767.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV014767.D (-41) (-)

1.25

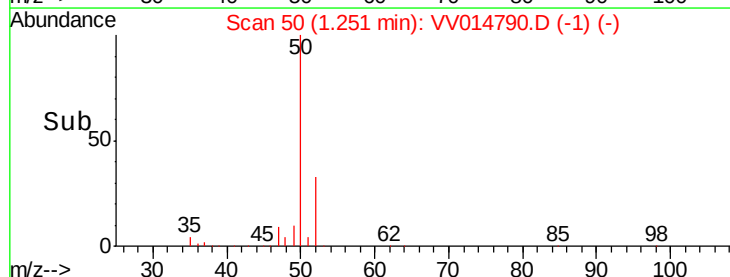
150000

100000

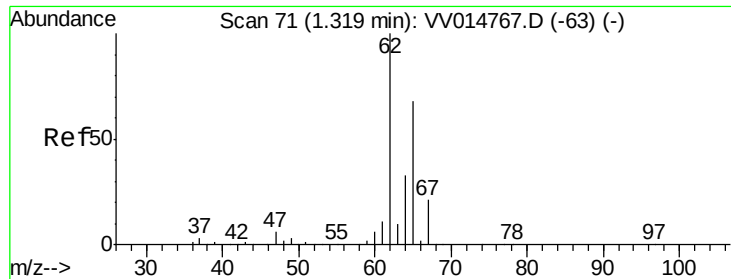
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 43.700 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

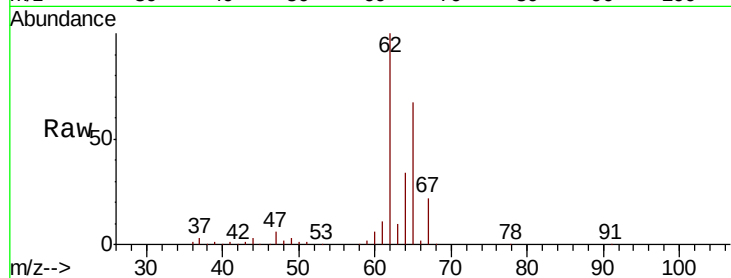
ClientSampled :

Tot Ion: 62 Resp: 146440

Ion Ratio Lower Upper

62 100

64 33.6 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV014767.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV014790.D (-44) (-)

1.32

150000

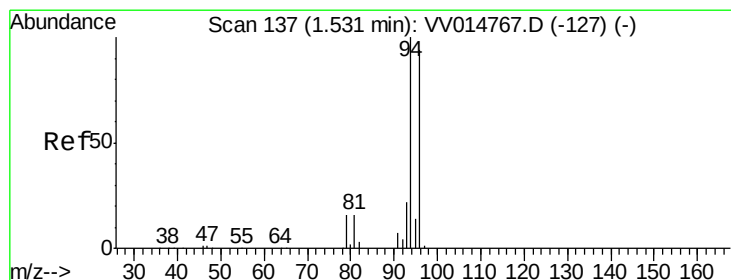
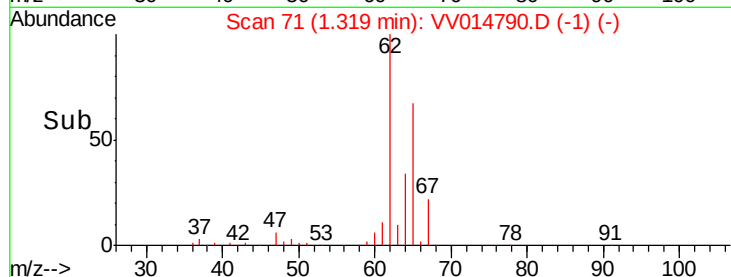
100000

50000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 40.290 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014790.D

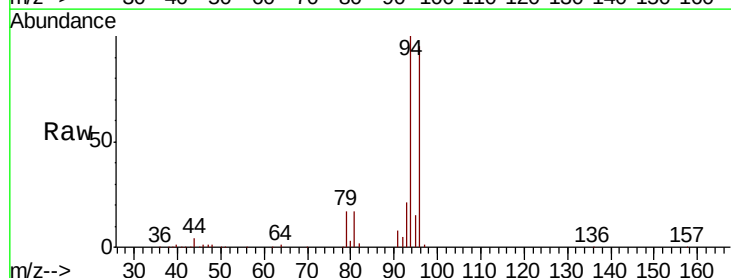
Acq: 10 Mar 2020 09:38

Tgt Ion: 94 Resp: 83793

Ion Ratio Lower Upper

94 100

96 94.6 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV014767.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV014790.D (-44) (-)

1.53

80000

60000

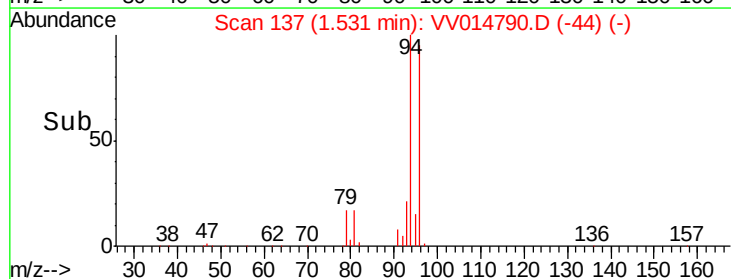
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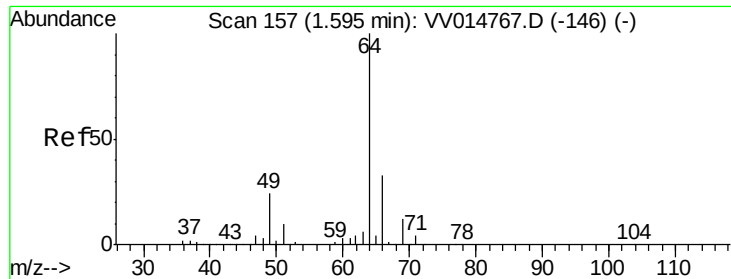
20000

0

1.45 1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 45.968 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

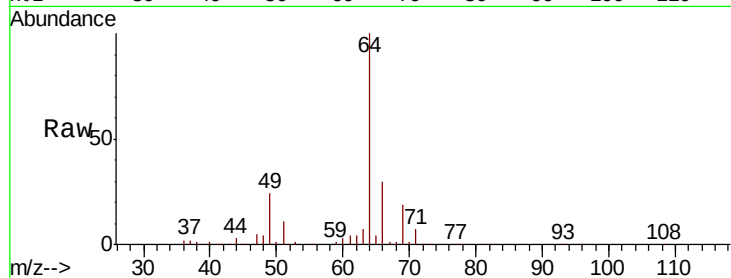
ClientSampleId :

Tot Ion: 64 Resp: 82803

Ion Ratio Lower Upper

64 100

66 29.7 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014767.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV014790.D (-85) (-)

1.60

60000

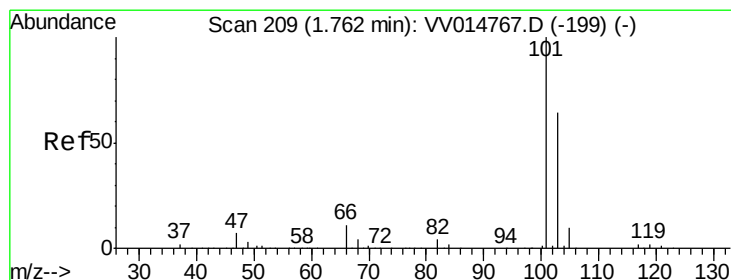
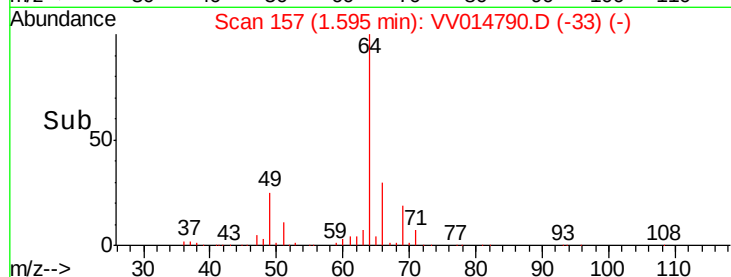
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 49.868 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV014790.D

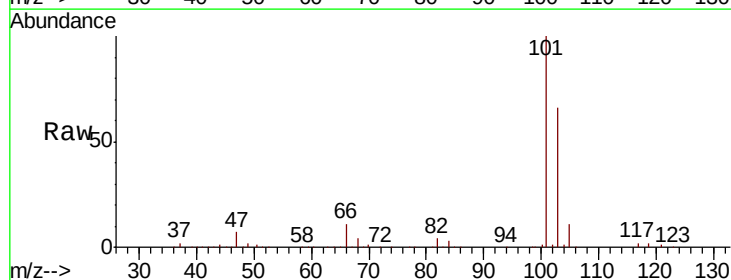
Acq: 10 Mar 2020 09:38

Tgt Ion:101 Resp: 223450

Ion Ratio Lower Upper

101 100

103 65.3 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014767.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014790.D (-85) (-)

1.76

200000

150000

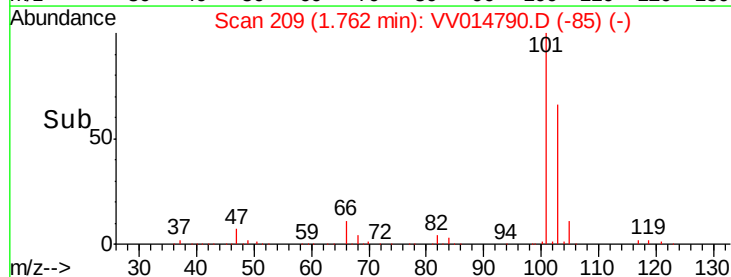
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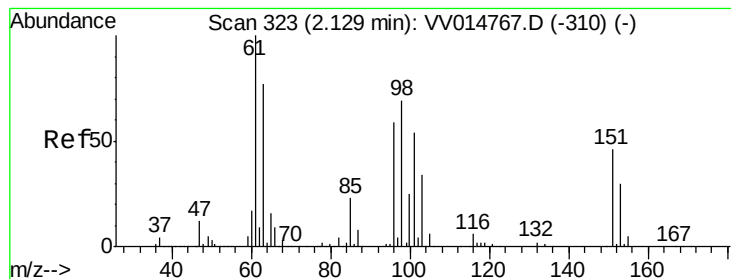
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 48.734 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

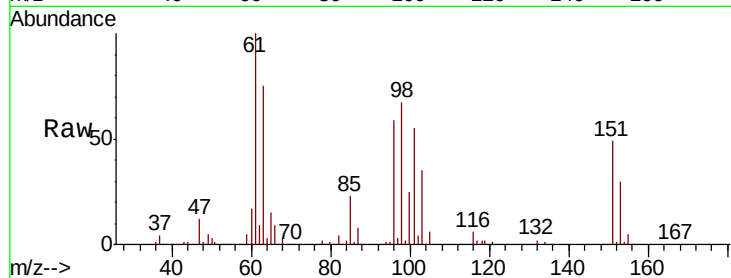
Tot Ion:101 Resp: 112415

Ion Ratio Lower Upper

101 100

85 42.9 35.0 52.6

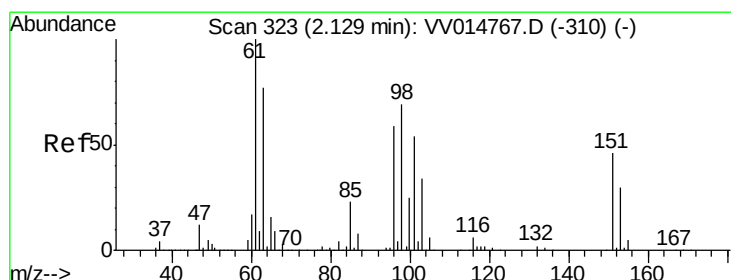
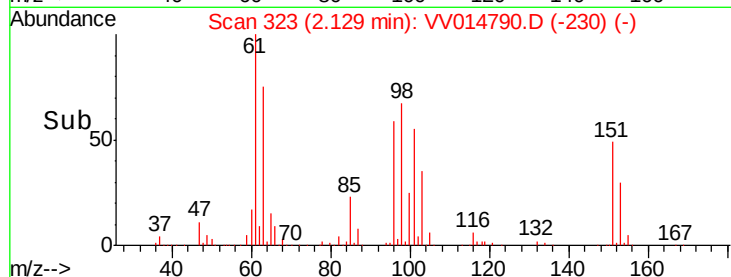
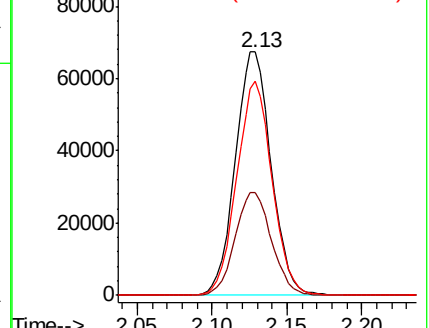
151 86.5 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VV014767.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV014767.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV014767.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 46.026 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

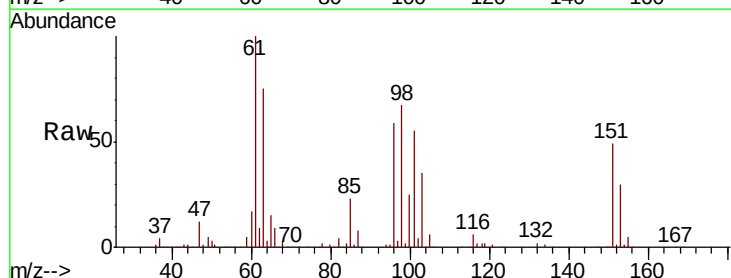
Tgt Ion: 96 Resp: 103866

Ion Ratio Lower Upper

96 100

61 170.0 118.4 220.0

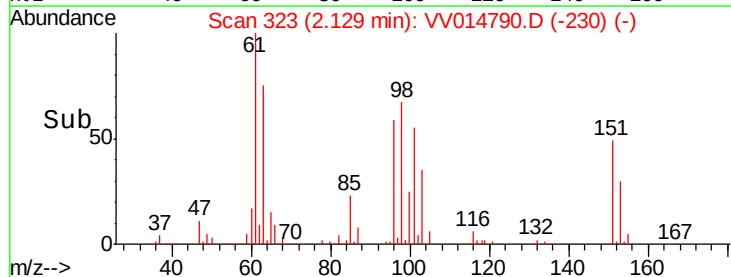
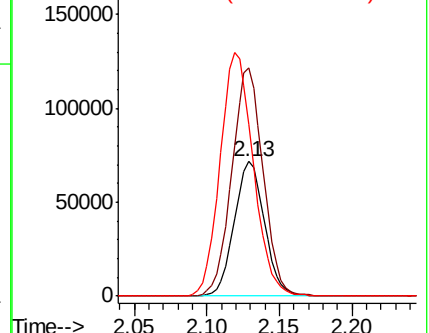
63 127.7 88.4 164.2

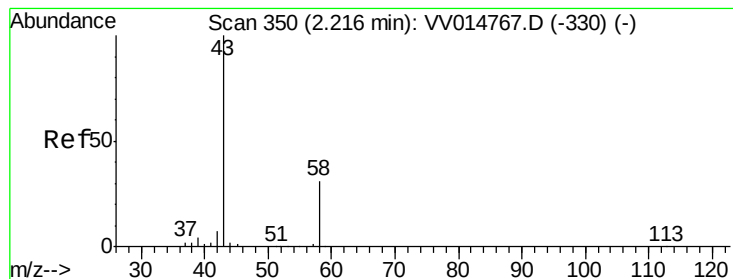


Abundance Ion 96.00 (95.70 to 96.70): VV014767.D (-310) (-)

Ion 61.00 (60.70 to 61.70): VV014767.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV014767.D (-310) (-)





#13

Acetone

Concen: 117.785 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

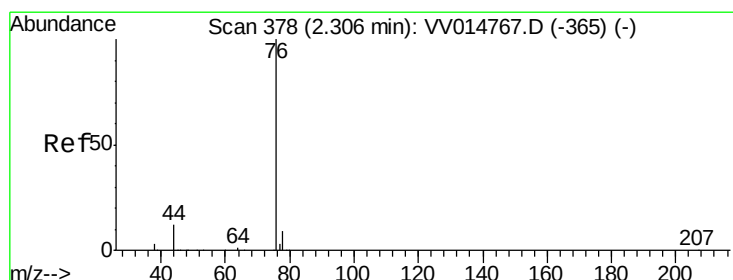
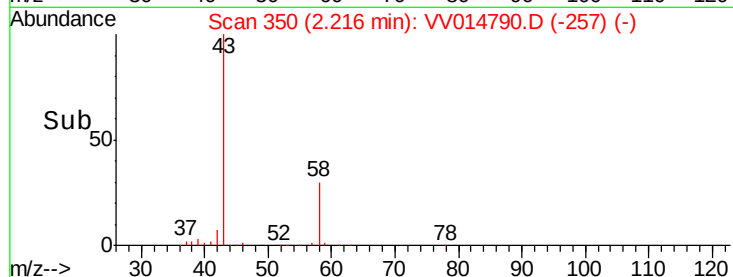
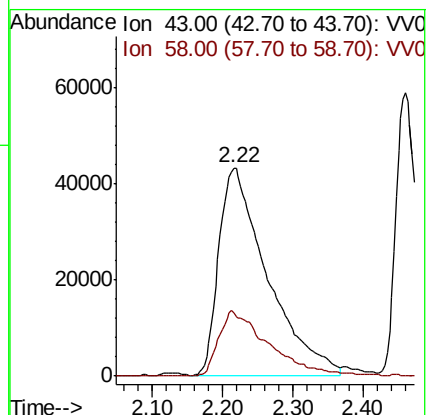
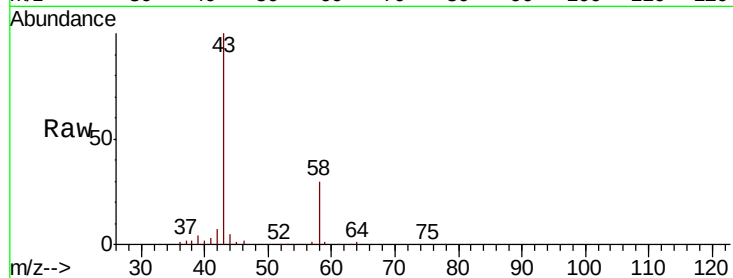
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 206191

Ion Ratio Lower Upper

43 100

58 30.7 0.0 62.2



#14

Carbon disulfide

Concen: 44.462 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV014790.D

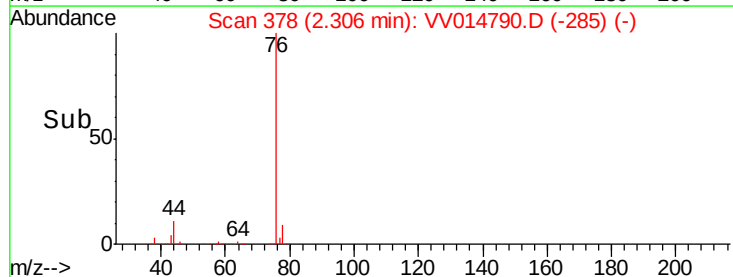
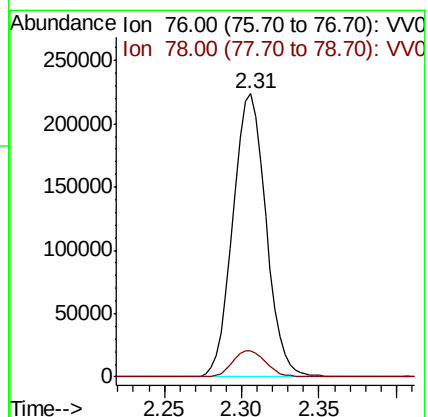
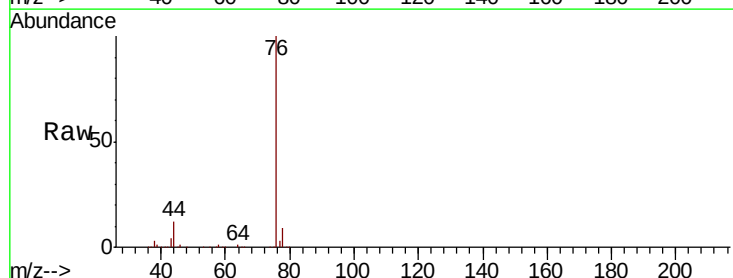
Acq: 10 Mar 2020 09:38

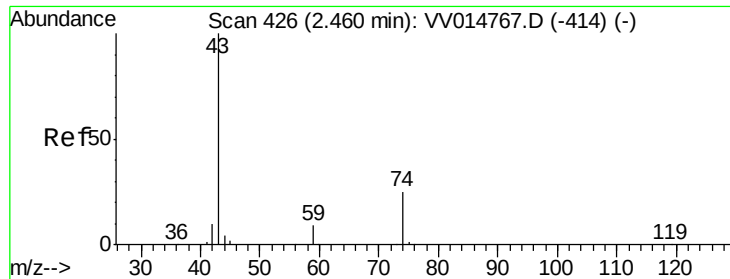
Tgt Ion: 76 Resp: 331728

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

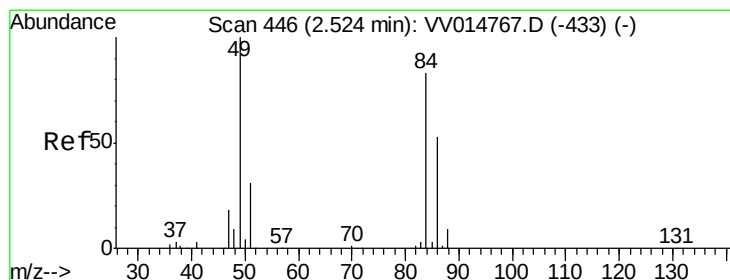
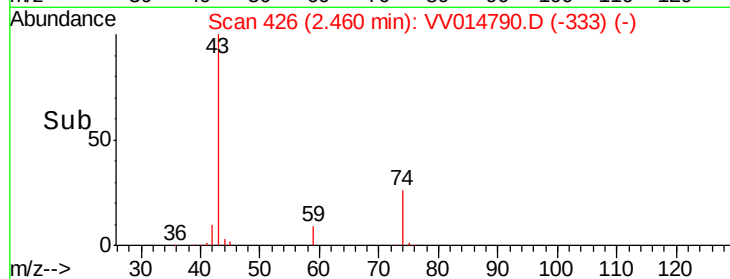
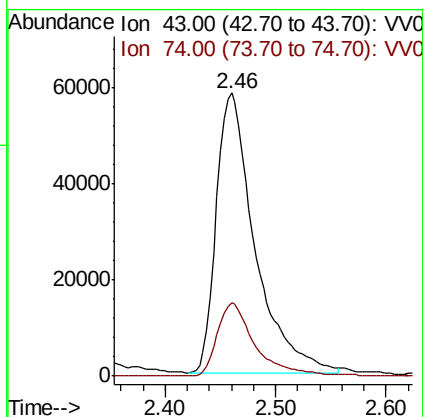
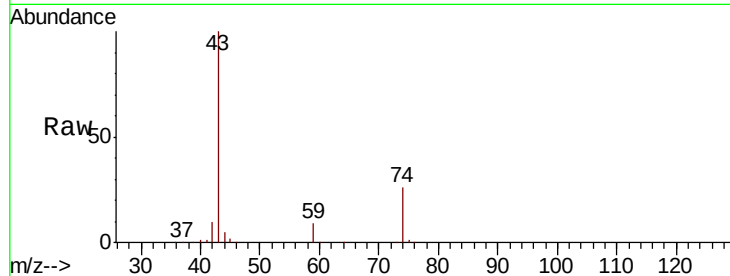




#15
Methvl Acetate
Concen: 42.836 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

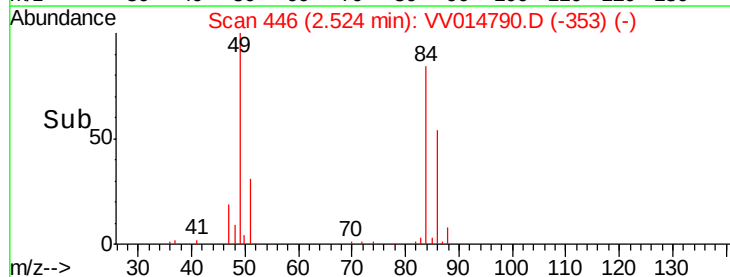
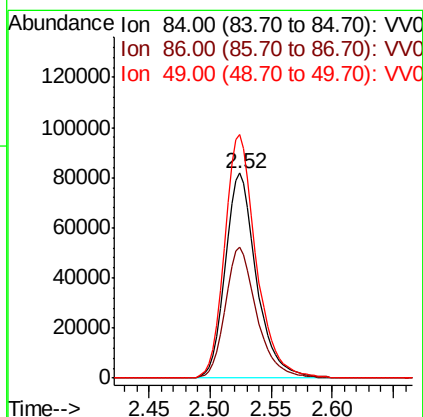
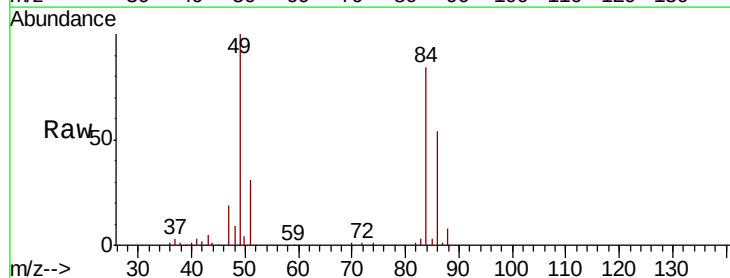
Instrument :
MSVOA_V
ClientSampleId :

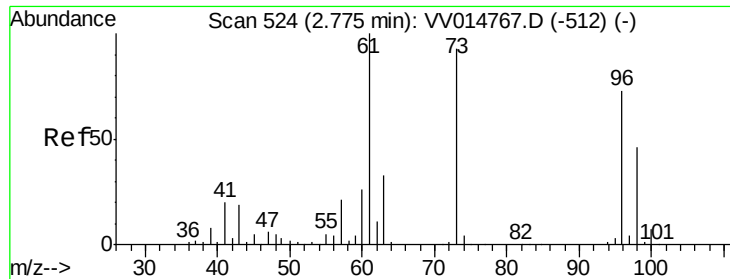
Tot Ion: 43 Resp: 140879
Ion Ratio Lower Upper
43 100
74 25.6 17.9 26.9



#16
Methylene chloride
Concen: 47.911 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

Tgt Ion: 84 Resp: 146839
Ion Ratio Lower Upper
84 100
86 63.9 47.3 87.9
49 118.7 88.7 164.7

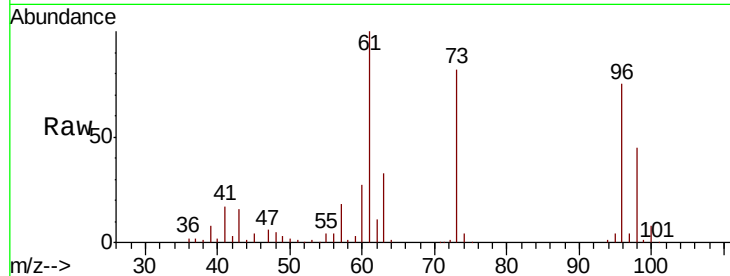




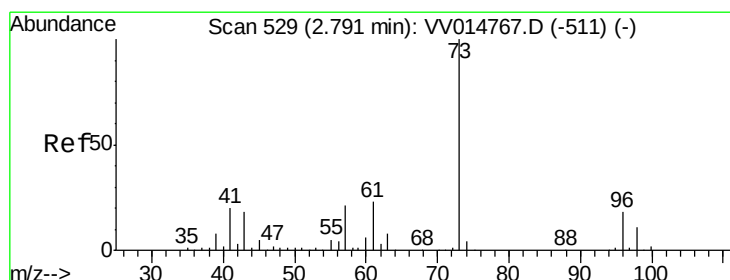
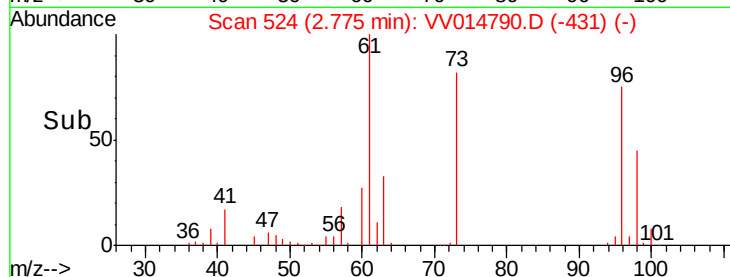
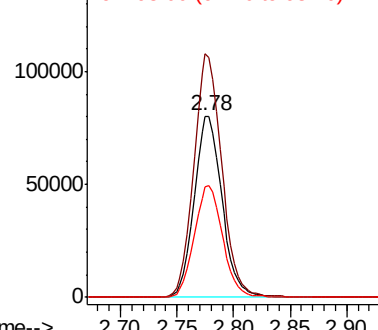
#17
trans-1,2-Dichloroethene
Concen: 49.336 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 137541
Ion Ratio Lower Upper
96 100
61 134.2 100.5 186.7
98 60.7 45.1 83.7

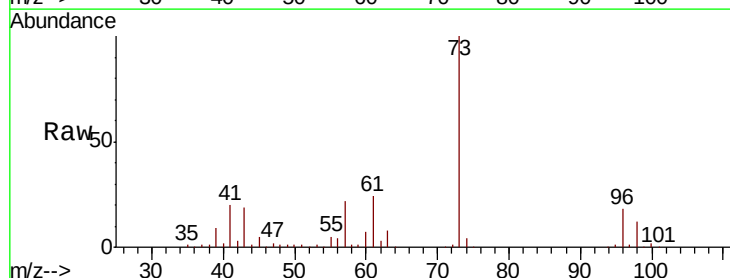


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

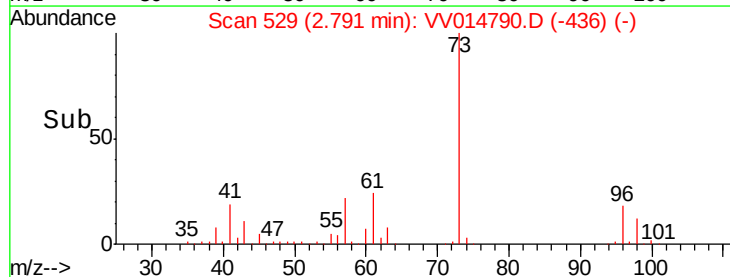
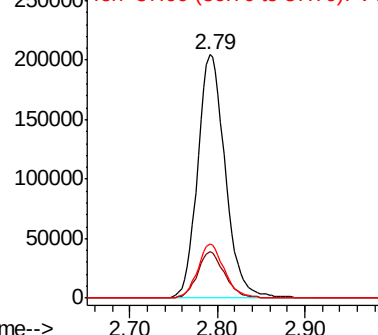


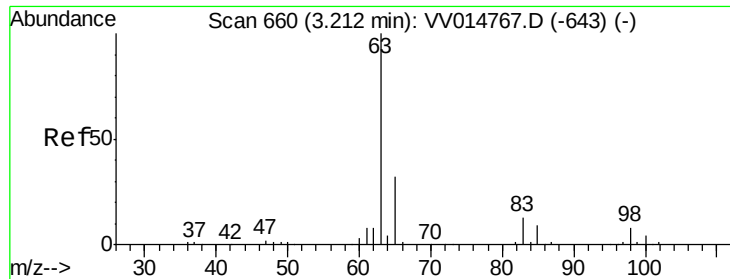
#18
Methyl tert-butyl Ether
Concen: 49.140 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

Tgt Ion: 73 Resp: 448503
Ion Ratio Lower Upper
73 100
43 18.5 15.9 23.9
57 21.3 18.0 27.0



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

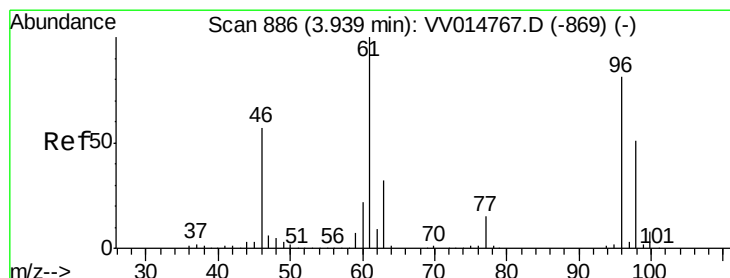
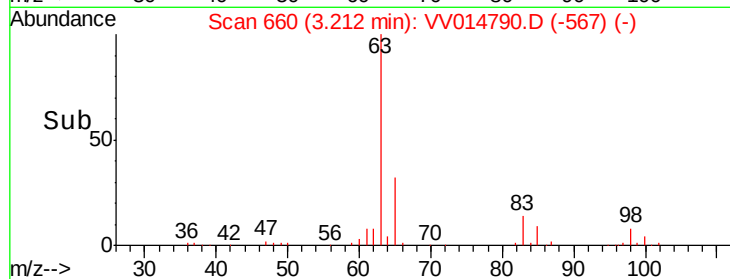
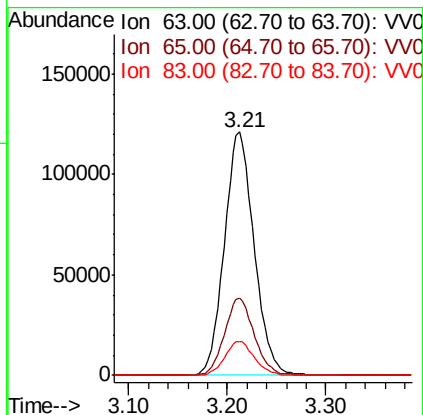
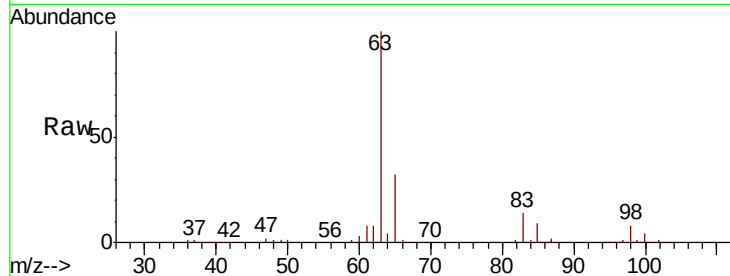




#19
 1,1-Dichloroethane
 Concen: 46.937 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

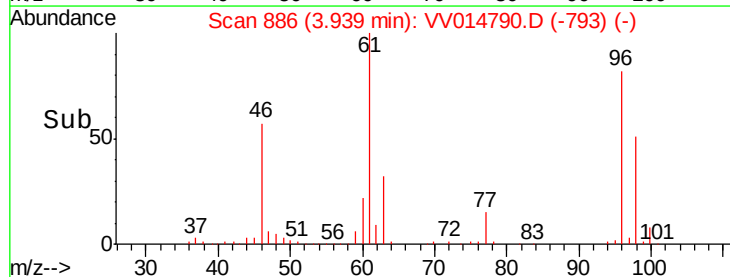
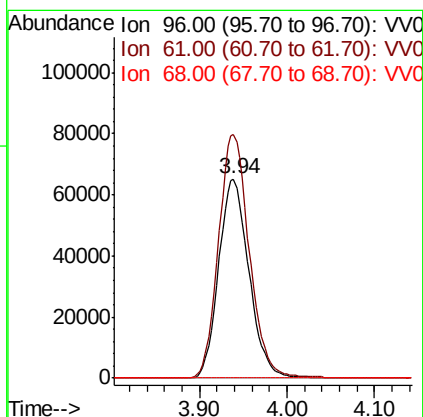
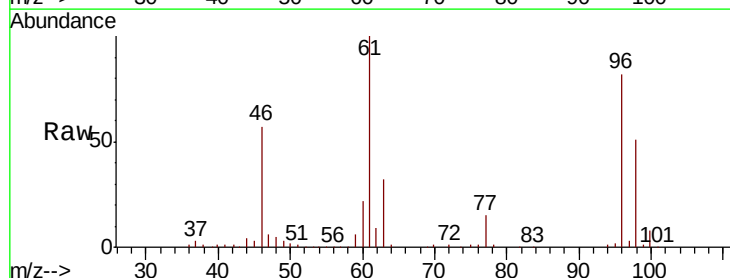
Instrument :
 MSVOA_V
 ClientSampleId :

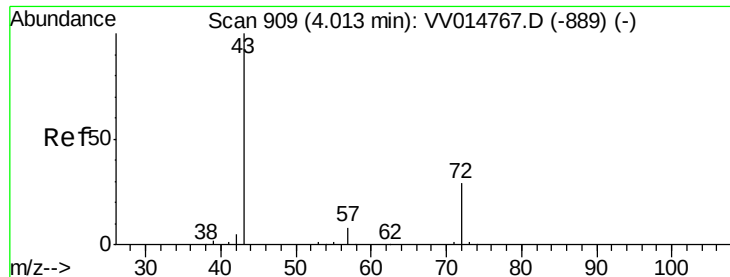
Tot Ion: 63 Resp: 255583
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 14.1 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 50.155 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Tgt Ion: 96 Resp: 156384
 Ion Ratio Lower Upper
 96 100
 61 122.5 92.2 171.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.321 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

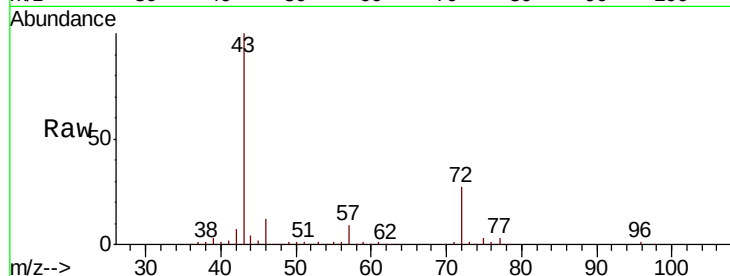
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 257070

Ion Ratio Lower Upper

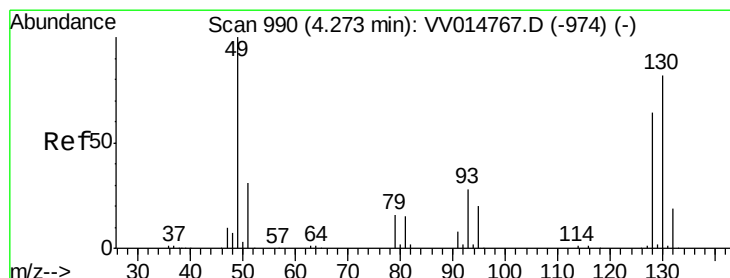
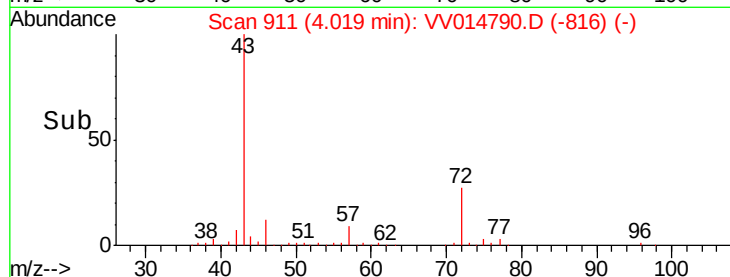
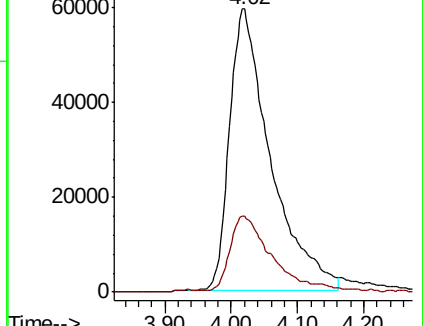
43 100

72 24.6 12.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VV014767.D (-889) (-)

Ion 72.00 (71.70 to 72.70): VV014767.D (-889) (-)



#23

Bromochloromethane

Concen: 49.579 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Tgt Ion:128 Resp: 78701

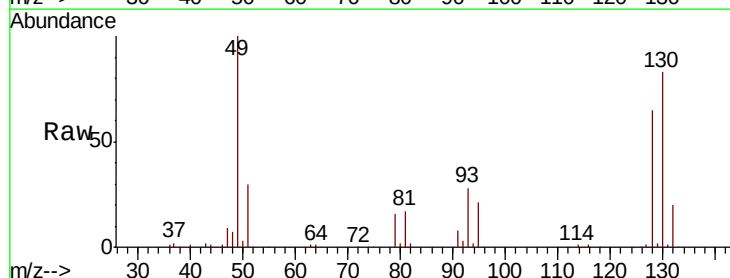
Ion Ratio Lower Upper

128 100

49 153.1 116.3 215.9

130 126.7 88.9 165.1

51 46.5 43.0 64.6

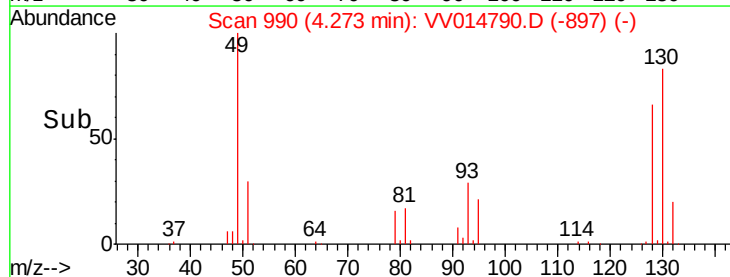
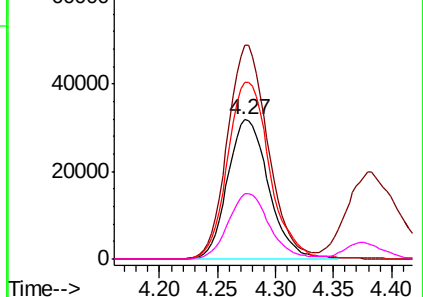


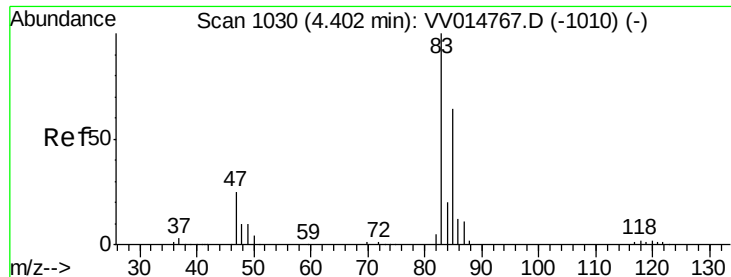
Abundance Ion 128.00 (127.70 to 128.70): VV014767.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV014767.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV014767.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV014767.D (-974) (-)

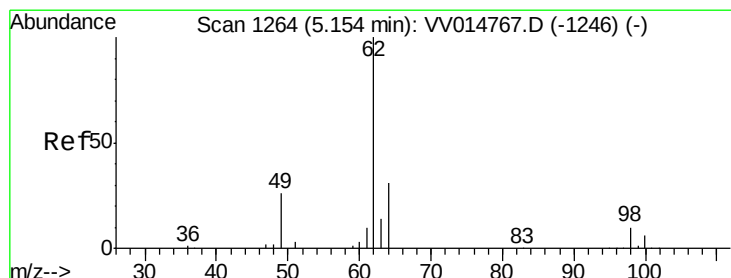
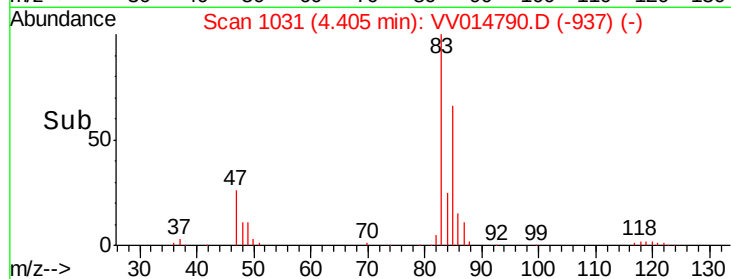
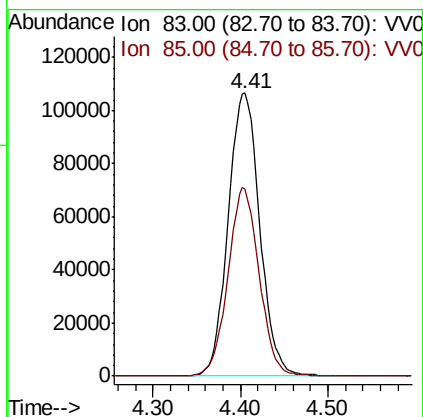
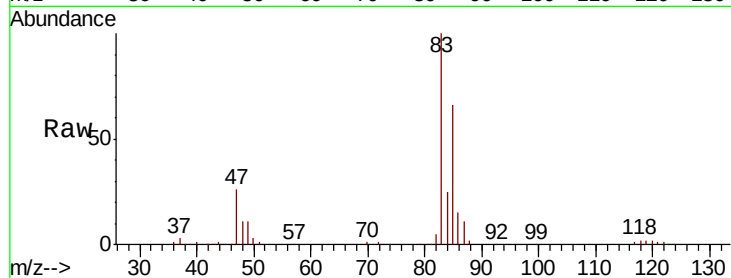




#25
Chloroform
Concen: 47.377 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

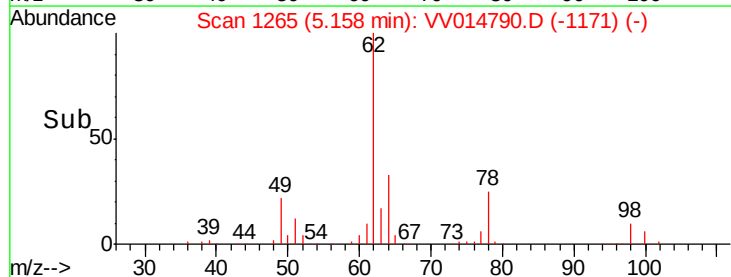
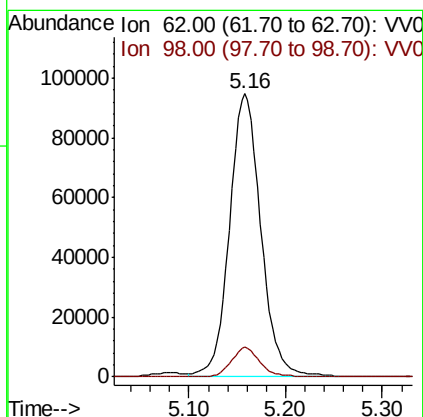
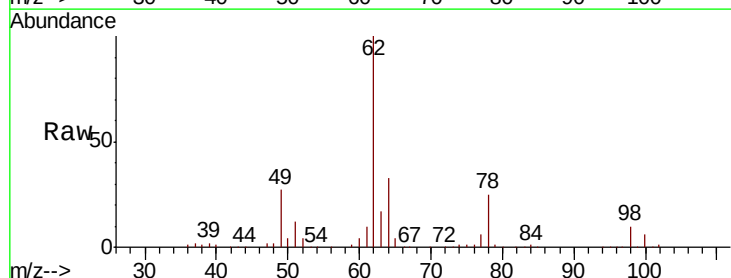
Instrument :
MSVOA_V
ClientSampleId :

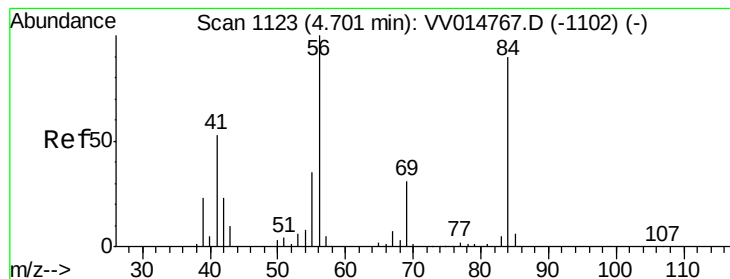
Tot Ion: 83 Resp: 267257
Ion Ratio Lower Upper
83 100
85 66.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.443 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

Tgt Ion: 62 Resp: 211793
Ion Ratio Lower Upper
62 100
98 10.4 7.2 10.8





#29

Cyclohexane

Concen: 47.479 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :
MSVOA_V
ClientSampleId :

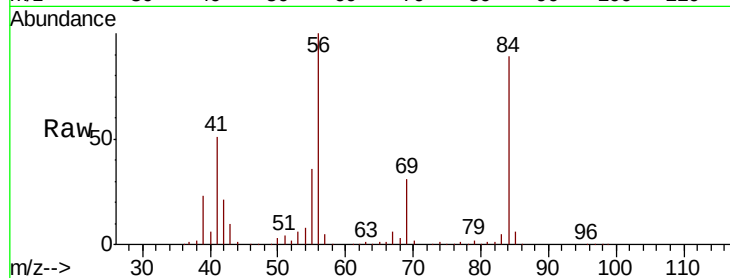
Tot Ion: 56 Resp: 236646

Ion Ratio Lower Upper

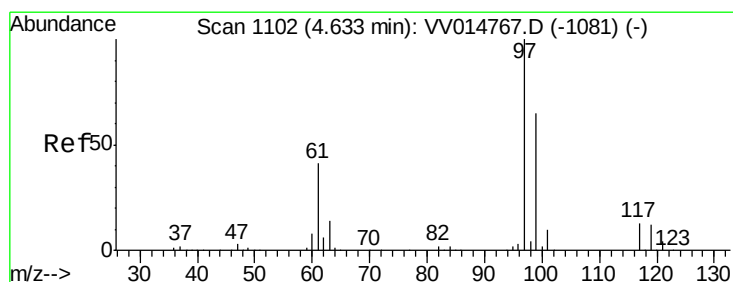
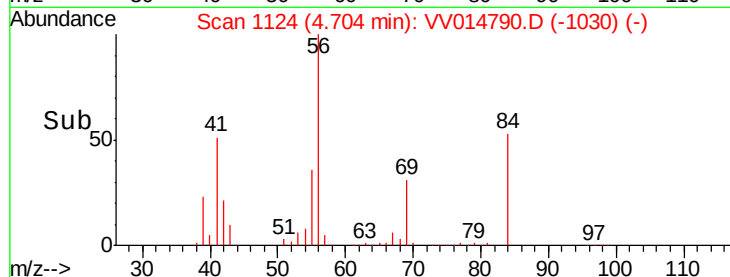
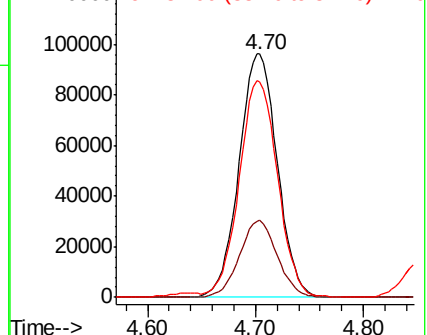
56 100

69 31.3 23.5 35.3

84 88.9 65.3 97.9



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: 50.489 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

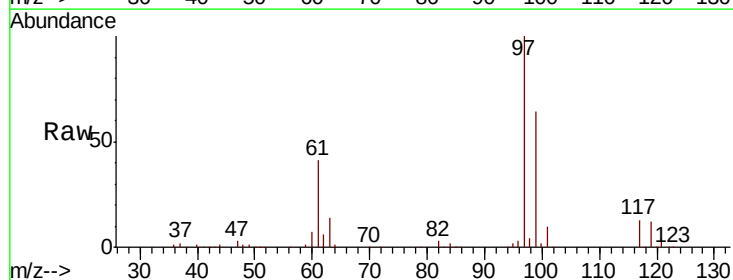
Tgt Ion: 97 Resp: 239453

Ion Ratio Lower Upper

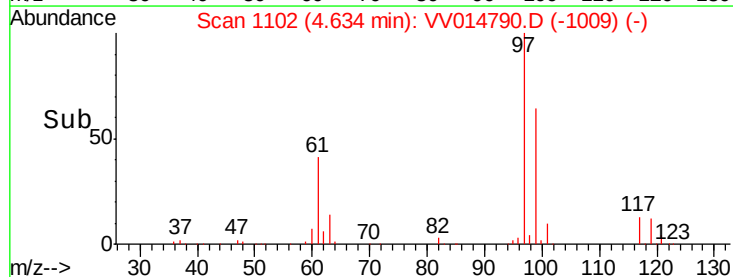
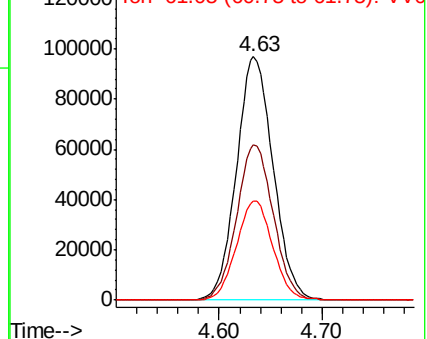
97 100

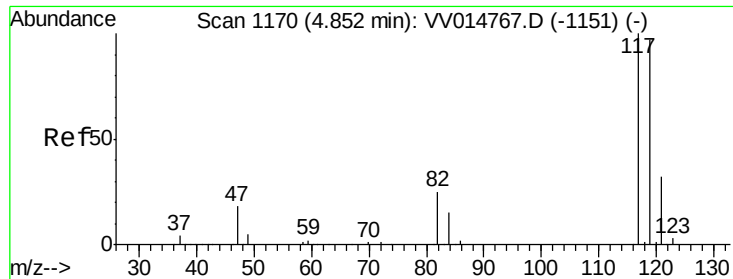
99 63.8 51.6 77.4

61 40.6 34.6 52.0



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: 52.719 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

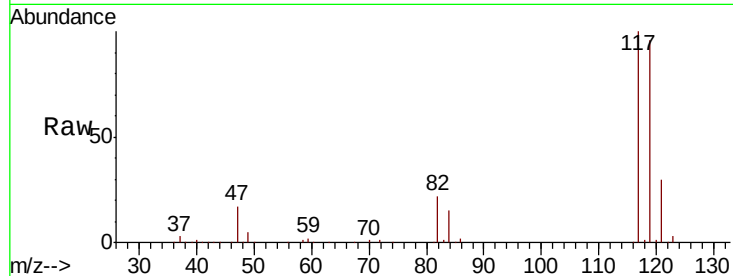
ClientSampleId :

Tot Ion:117 Resp: 212344

Ion Ratio Lower Upper

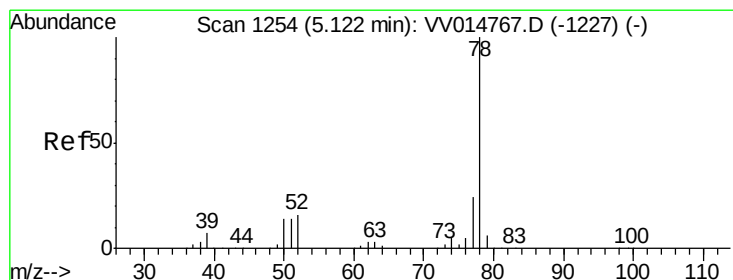
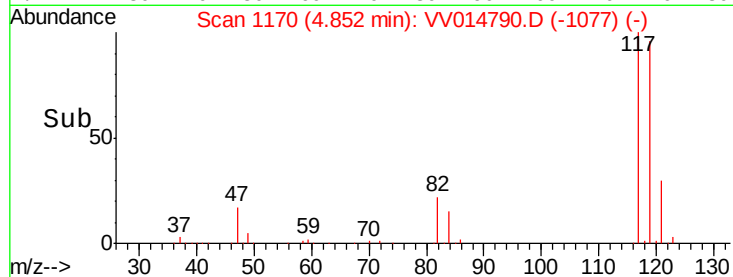
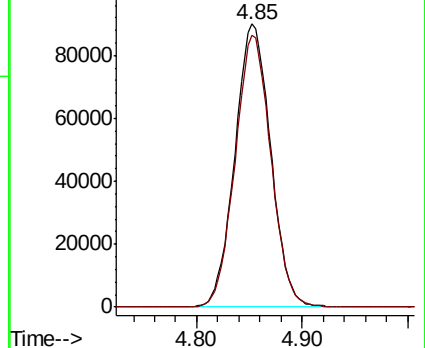
117 100

119 95.7 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.952 ug/L

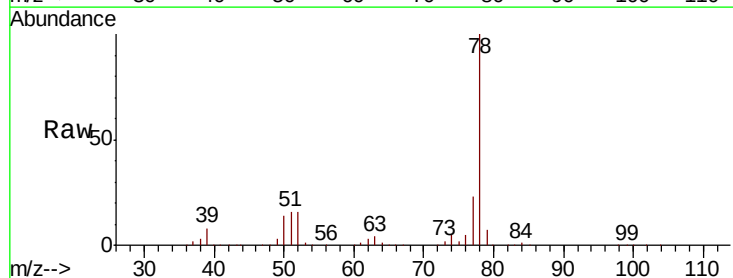
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

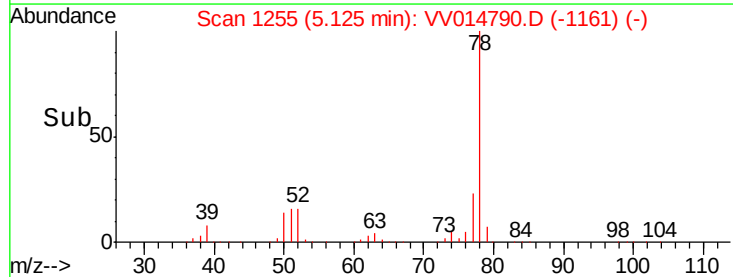
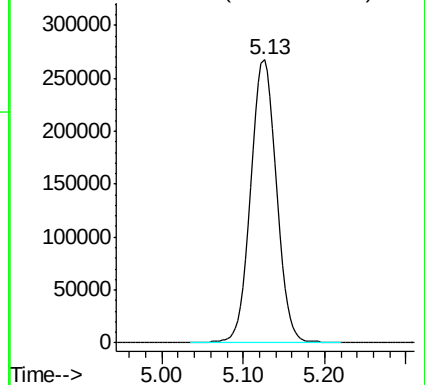
Lab File: VV014790.D

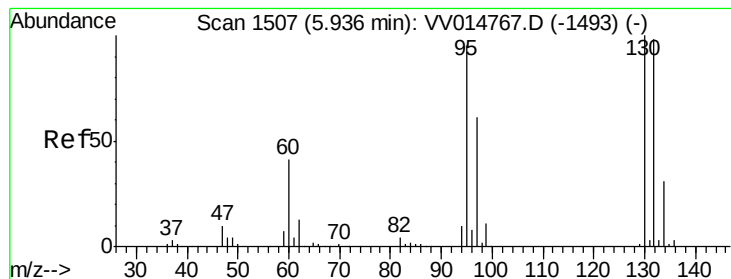
Acq: 10 Mar 2020 09:38

Tgt Ion: 78 Resp: 580118



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.286 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 149543

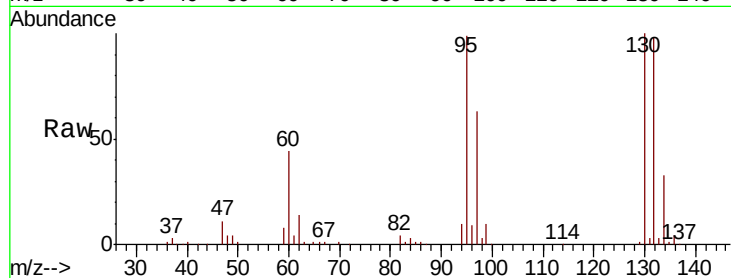
Ion Ratio Lower Upper

95 100

97 63.6 43.8 81.4

132 99.0 65.8 122.2

130 100.9 70.6 131.2

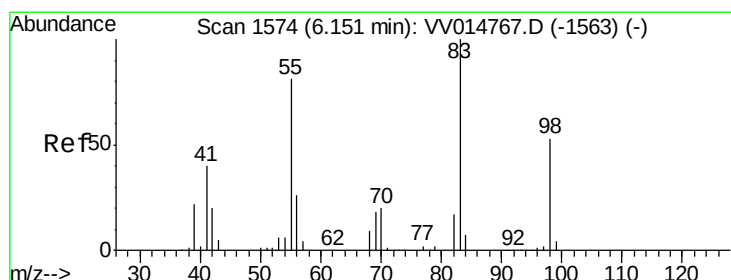
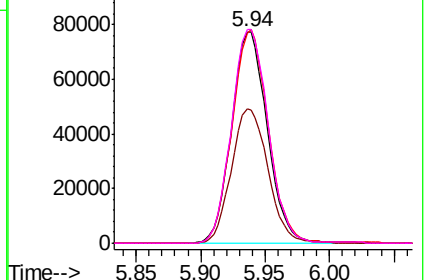
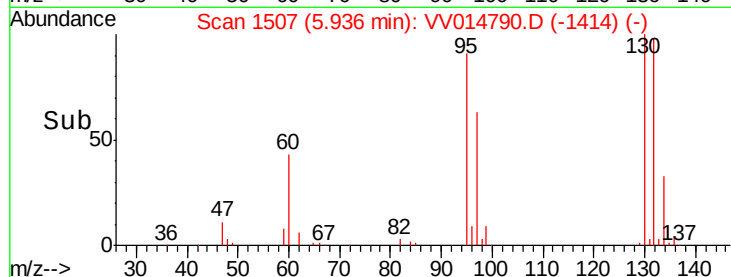


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 50.692 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

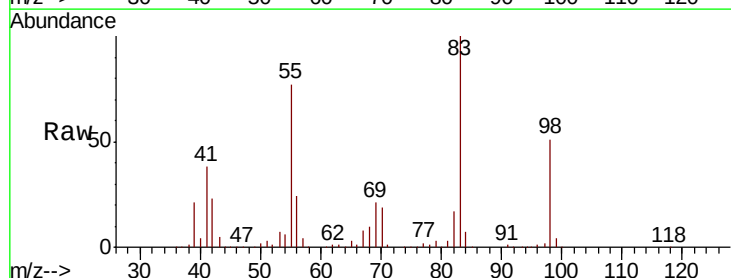
Tgt Ion: 83 Resp: 259152

Ion Ratio Lower Upper

83 100

55 75.2 63.4 95.2

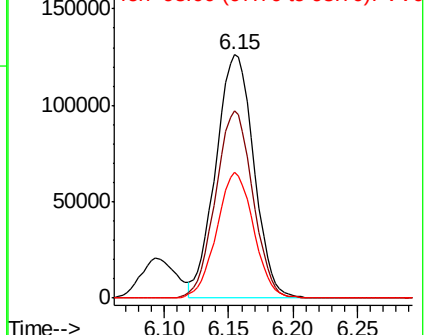
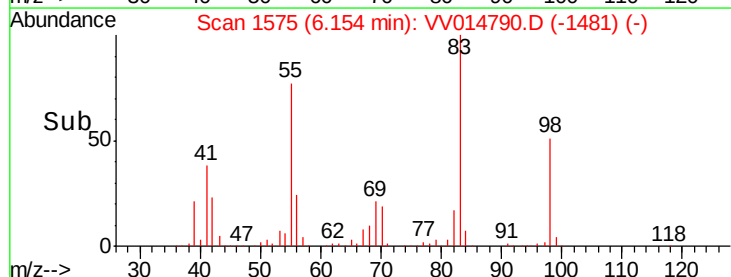
98 50.3 36.8 55.2

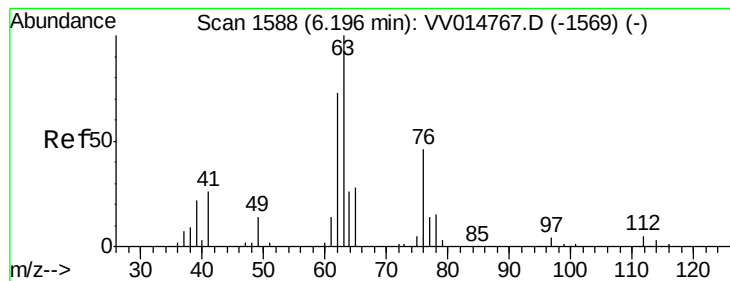


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 45.142 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

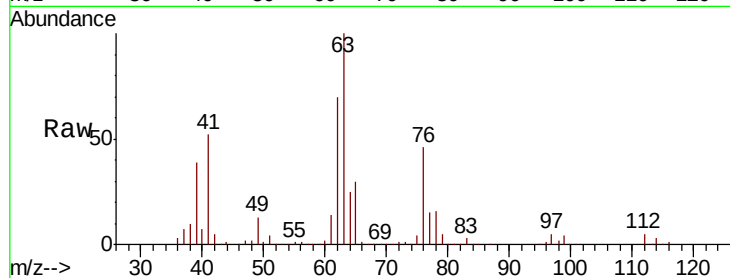
ClientSampled :

Tot Ion: 63 Resp: 144565

Ion Ratio Lower Upper

63 100

112 5.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VV014767.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV014767.D (-1569) (-)

6.20

80000

60000

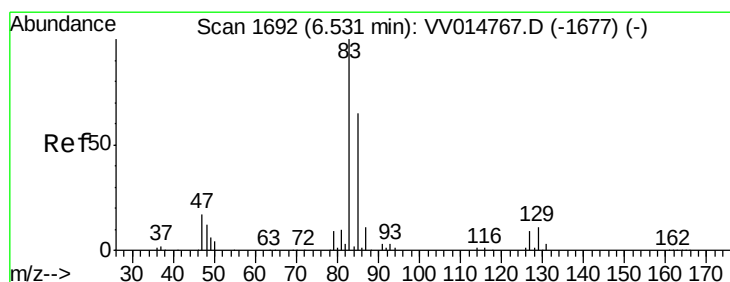
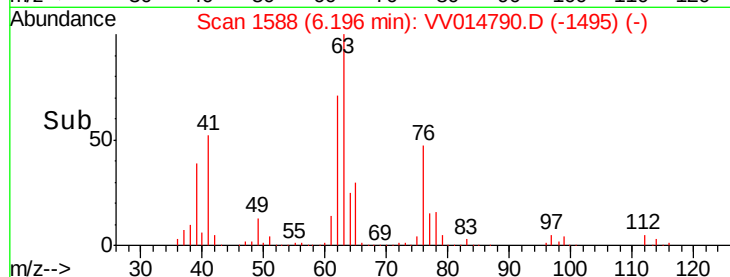
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 48.474 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

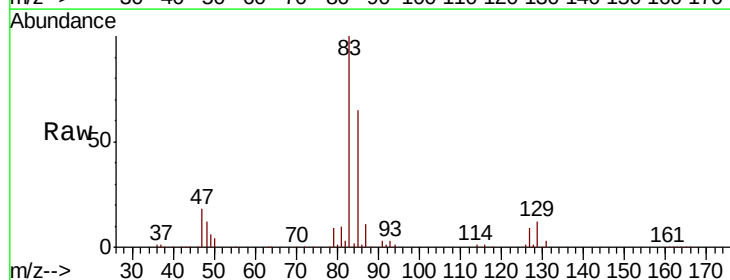
Tgt Ion: 83 Resp: 197470

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7

127 9.1 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV014767.D (-1677) (-)

Ion 85.00 (84.70 to 85.70): VV014767.D (-1677) (-)

Ion 127.00 (126.70 to 127.70): VV014767.D (-1677) (-)

6.53

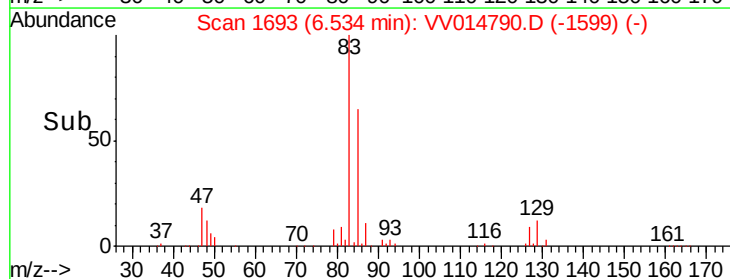
100000

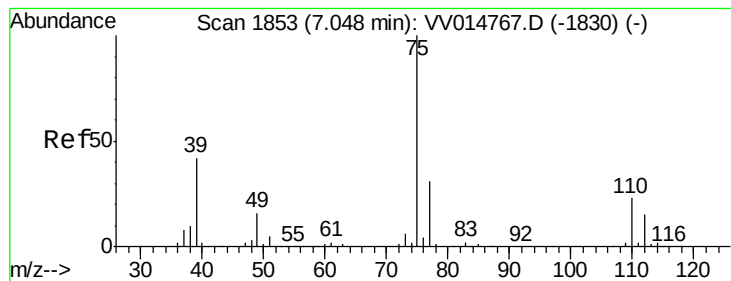
50000

0

6.45 6.50 6.55 6.60

Time-->



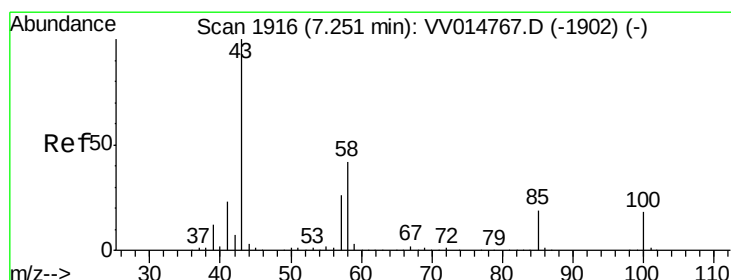
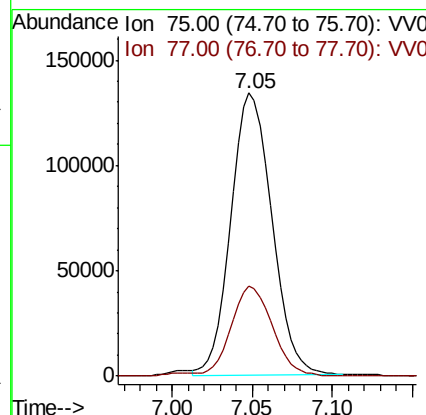
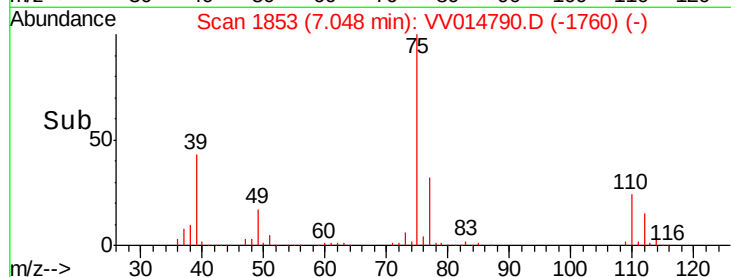
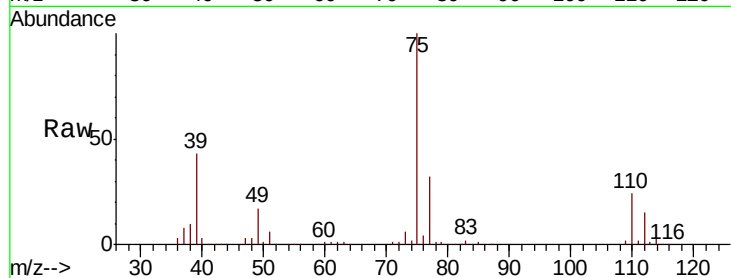


#39

cis-1,3-Dichloropropene
 Concen: 46.796 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Instrument :
 MSVOA_V
 ClientSampled :

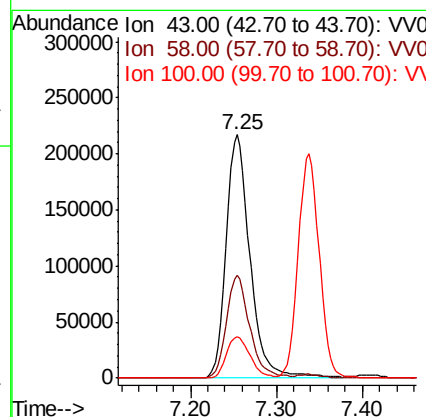
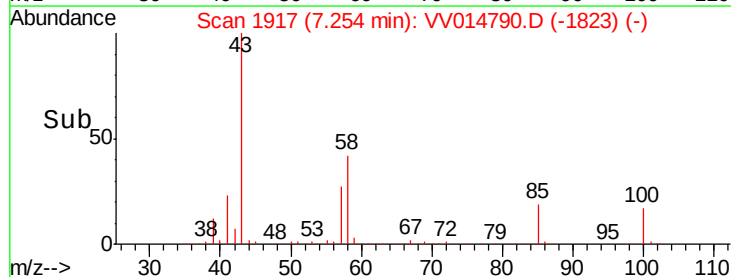
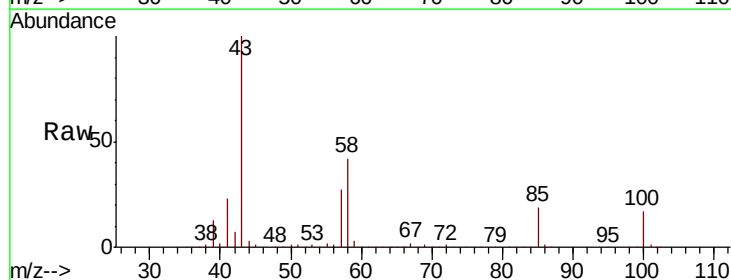
Tot Ion: 75 Resp: 234897
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.8 42.4

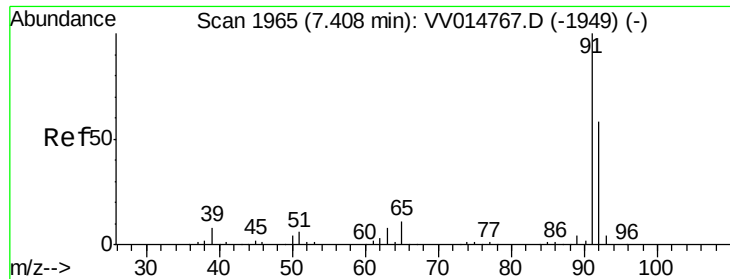


#40

4-Methyl-2-pentanone
 Concen: 90.386 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Tgt Ion: 43 Resp: 419465
 Ion Ratio Lower Upper
 43 100
 58 41.1 31.0 46.4
 100 16.9 11.2 16.8#





#42

Toluene

Concen: 49.337 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

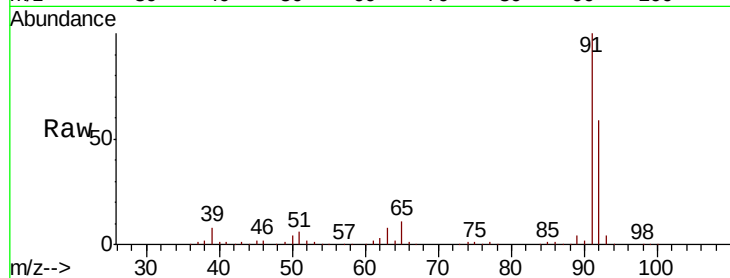
ClientSampleId :

Tot Ion: 91 Resp: 645044

Ion Ratio Lower Upper

91 100

92 59.2 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014767.D (-1949) (-)

Ion 92.00 (91.70 to 92.70): VV014790.D (-1872) (-)

7.41

400000

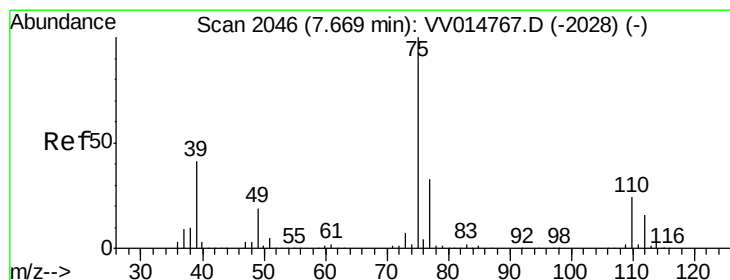
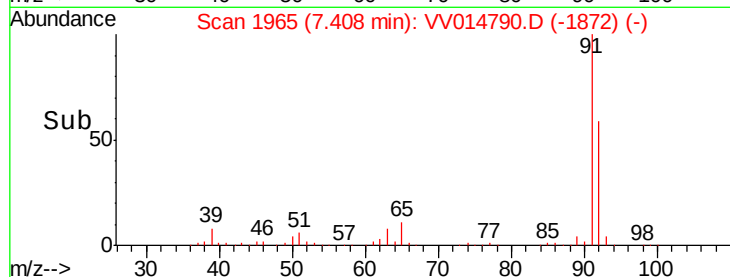
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.745 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014790.D

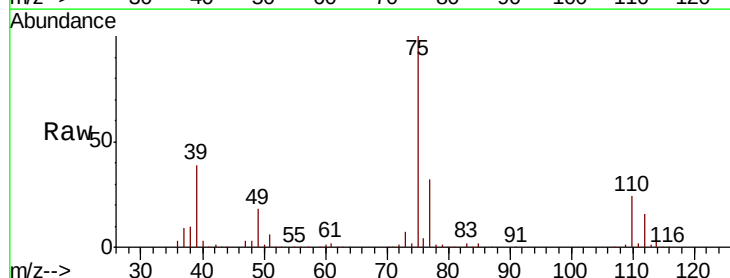
Acq: 10 Mar 2020 09:38

Tgt Ion: 75 Resp: 213900

Ion Ratio Lower Upper

75 100

77 31.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014767.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV014790.D (-1953) (-)

7.67

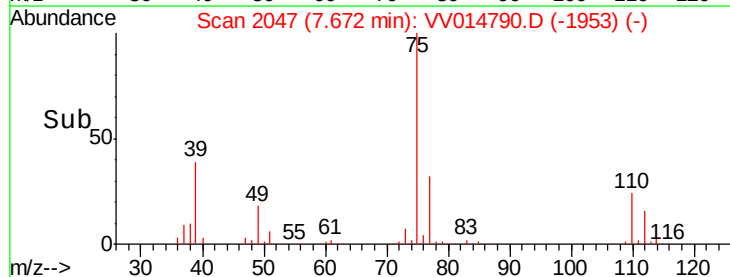
150000

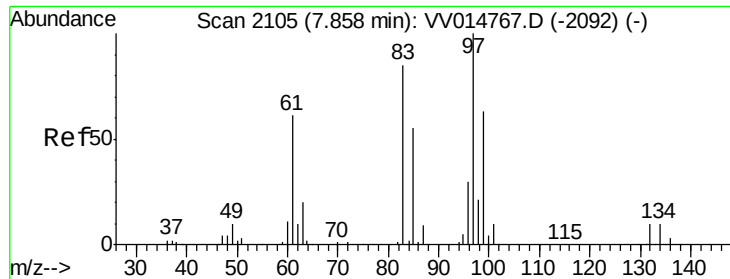
100000

50000

0

Time-->

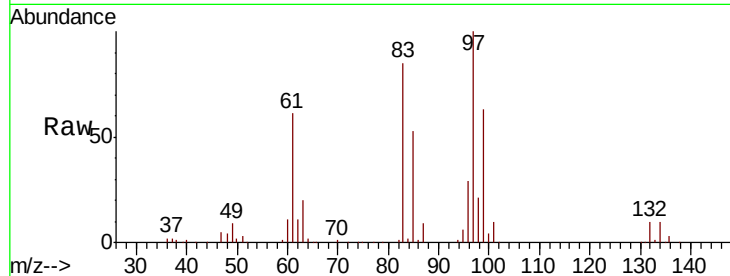




#45
 1,1,2-Trichloroethane
 Concen: 48.521 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	143108
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.1	80.1
83	84.6	62.4	115.8
85	53.0	40.1	74.5



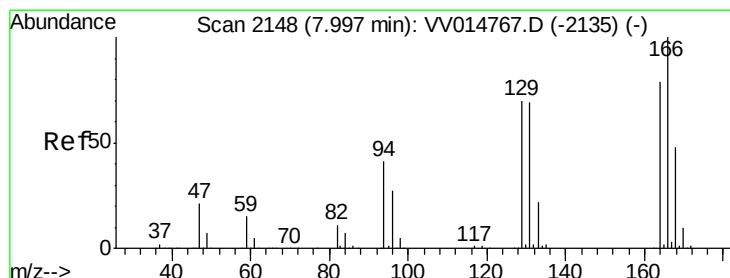
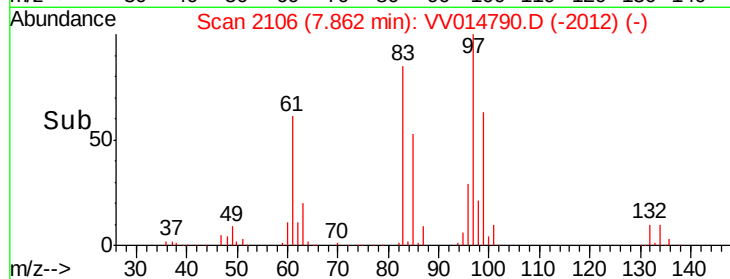
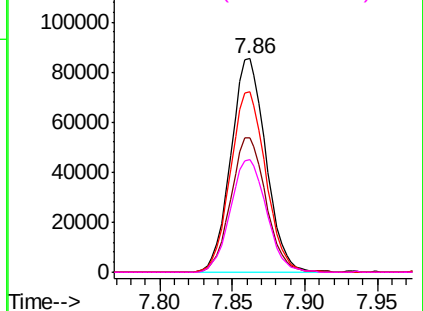
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

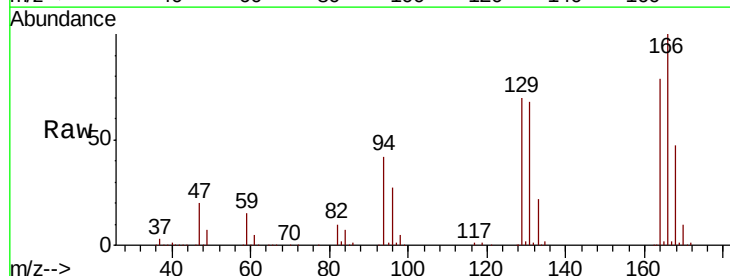
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 52.943 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Tgt Ion:	164	Resp:	134153
Ion	Ratio	Lower	Upper
164	100		
129	88.1	66.0	122.6
131	85.4	63.9	118.7
166	126.0	89.7	166.7



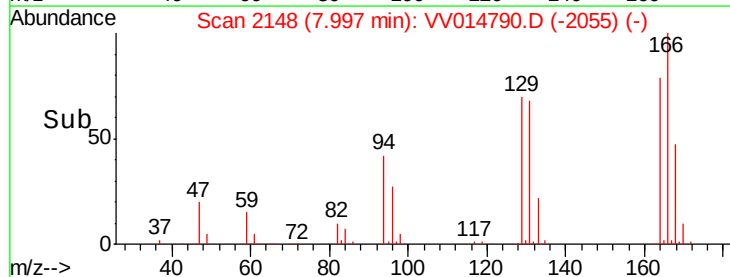
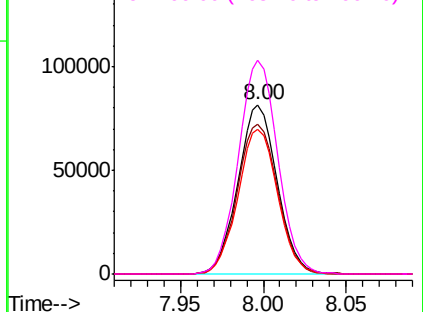
Abundance

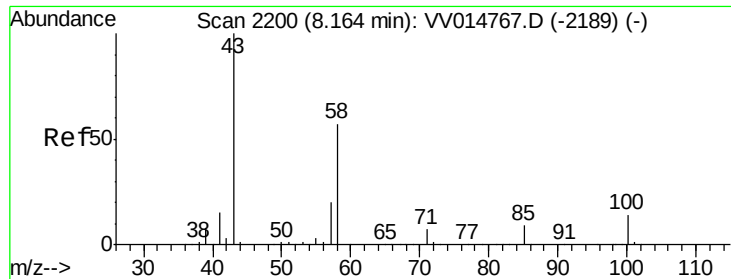
Ion 164.00 (163.70 to 164.70): V

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

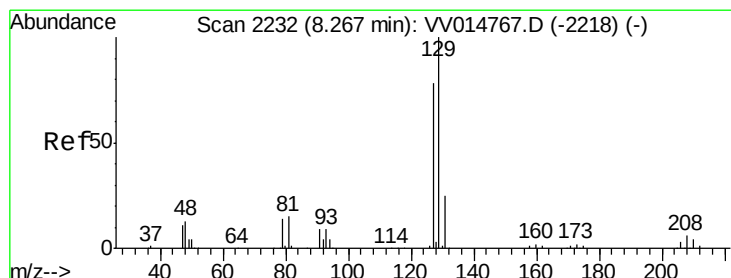
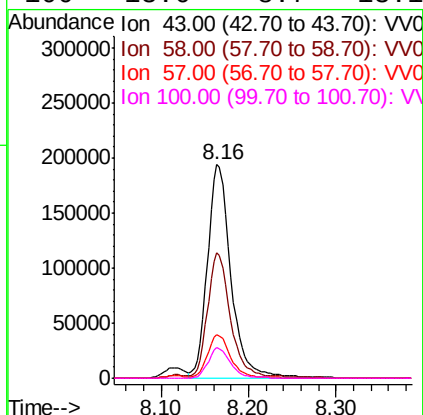
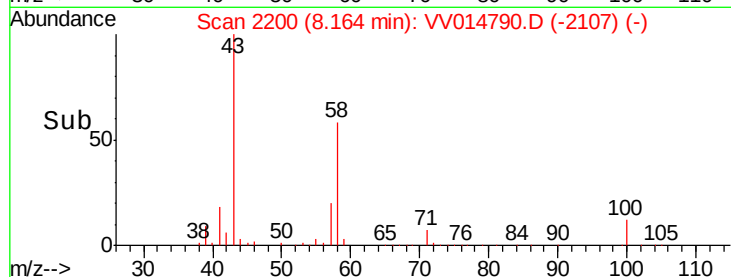
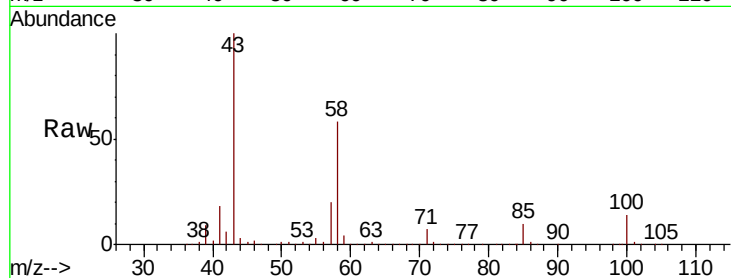




#48
2-Hexanone
Concen: 99.193 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

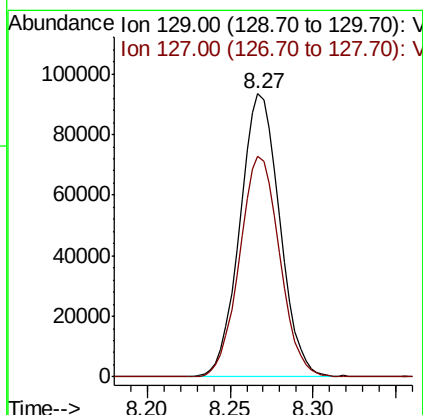
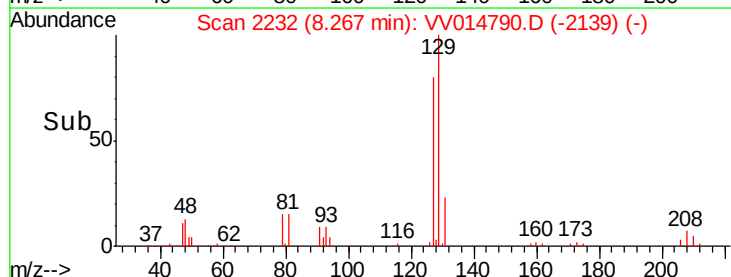
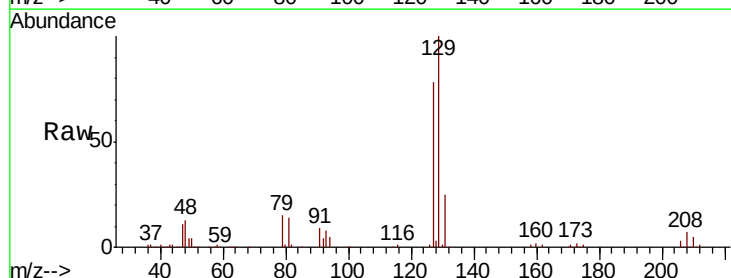
Instrument :
MSVOA_V
ClientSampled :

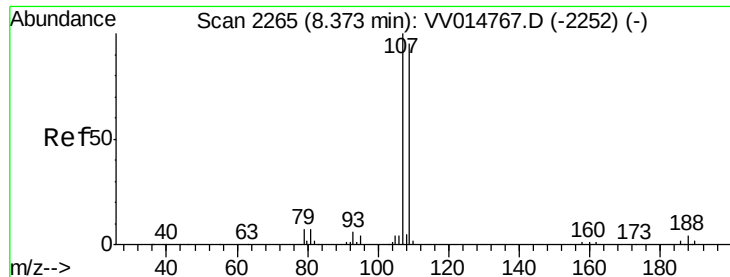
Tot Ion: 43 Resp: 362051
Ion Ratio Lower Upper
43 100
58 57.6 43.3 64.9
57 20.3 15.6 23.4
100 13.6 8.7 13.1#



#49
Dibromochloromethane
Concen: 48.674 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

Tgt Ion:129 Resp: 156470
Ion Ratio Lower Upper
129 100
127 77.8 53.9 100.1

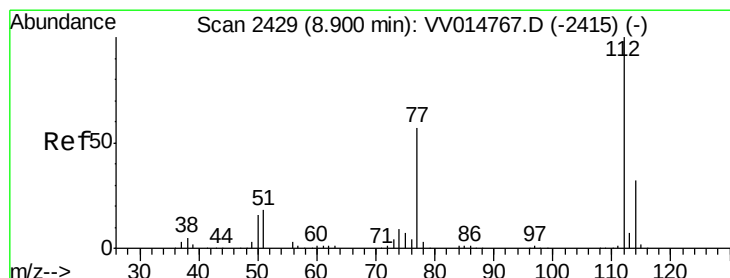
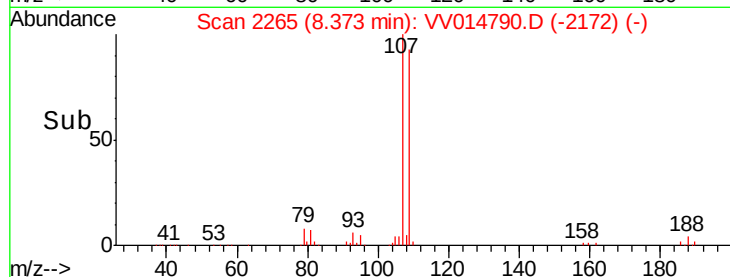
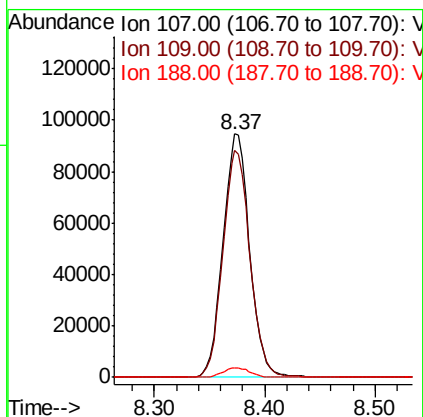
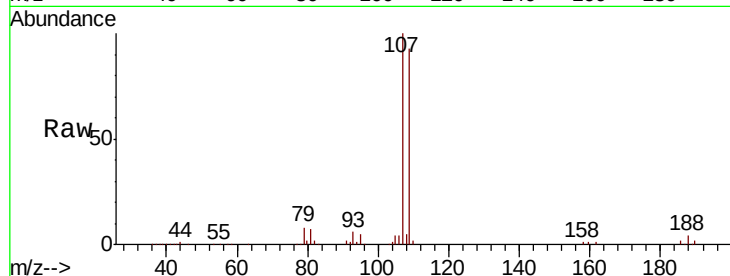




#50
 1,2-Dibromoethane
 Concen: 49.839 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

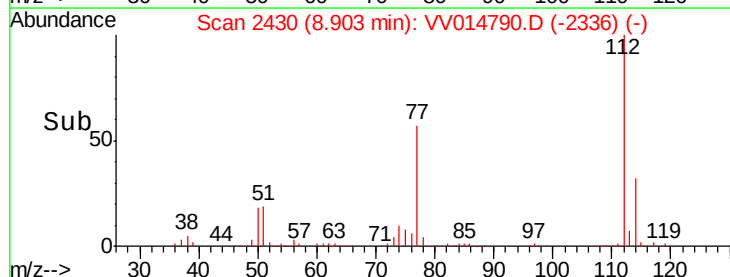
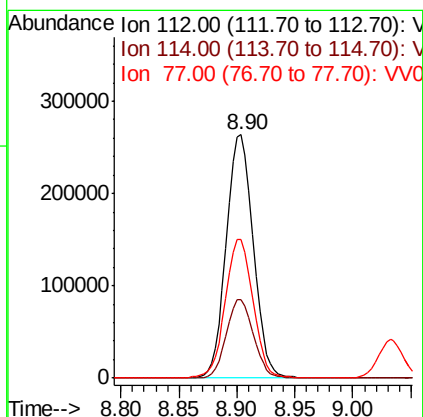
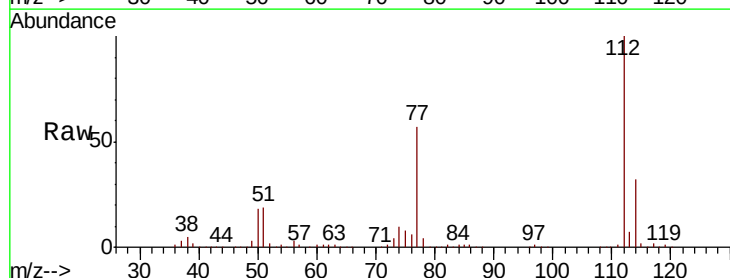
Instrument :
 MSVOA_V
 ClientSampleId :

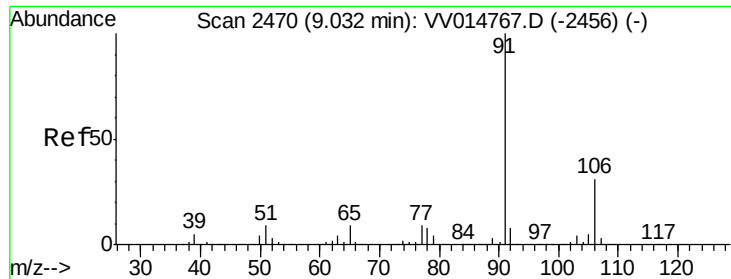
Tot Ion:107 Resp: 158893
 Ion Ratio Lower Upper
 107 100
 109 93.4 66.6 123.6
 188 3.9 3.0 4.6



#51
 Chlorobenzene
 Concen: 50.565 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Tgt Ion:112 Resp: 425358
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.1 41.1
 77 56.8 47.8 71.8





#52

Ethylbenzene

Concen: 50.263 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

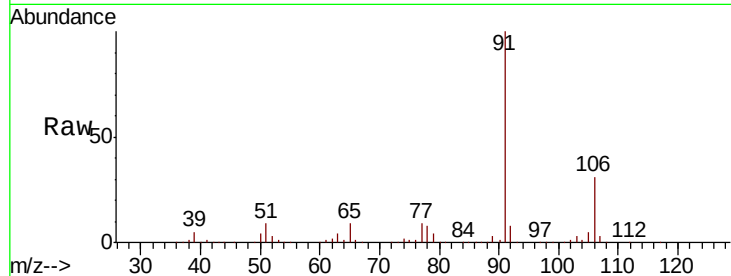
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 740344

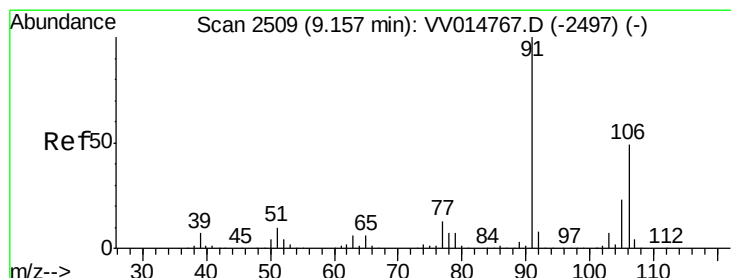
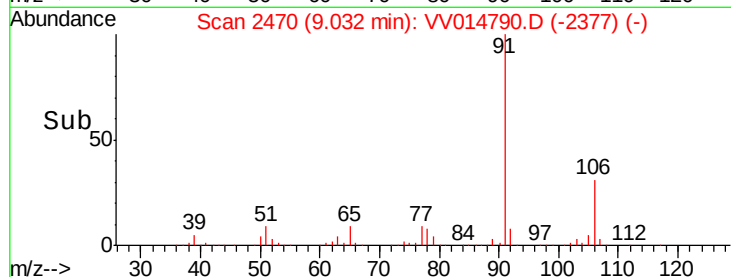
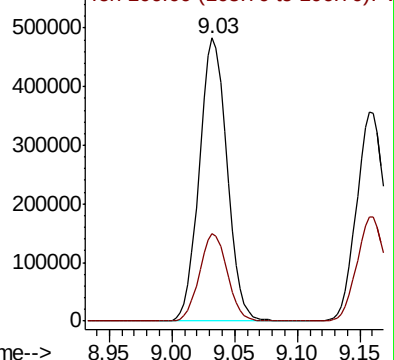
Ion Ratio Lower Upper

91 100

106 31.1 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV014767.D (-2456) (-)



#53

m,p-Xylene

Concen: 52.082 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV014790.D

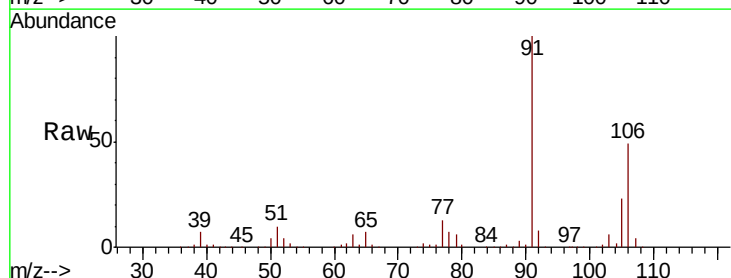
Acq: 10 Mar 2020 09:38

Tgt Ion: 106 Resp: 287889

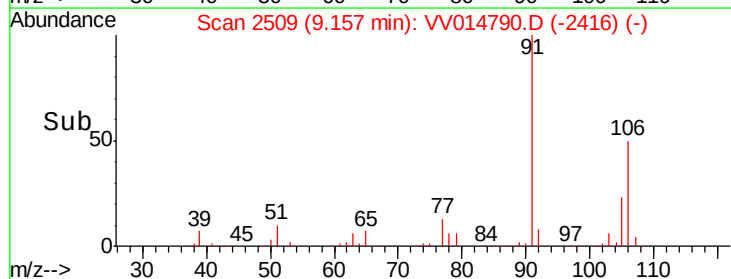
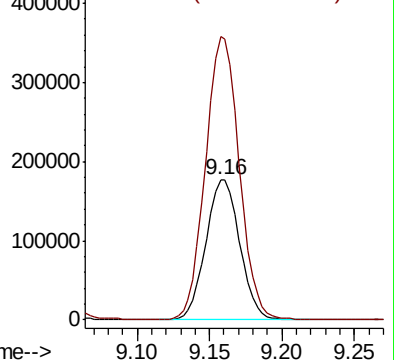
Ion Ratio Lower Upper

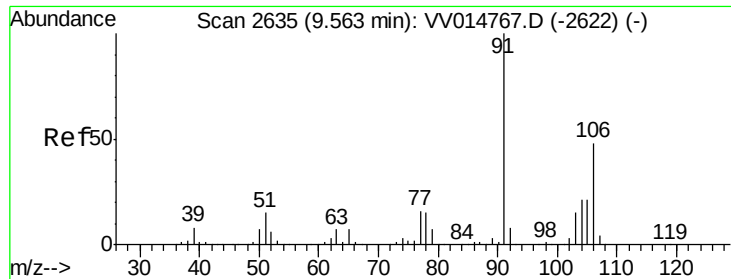
106 100

91 202.1 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): VV014767.D (-2497) (-)

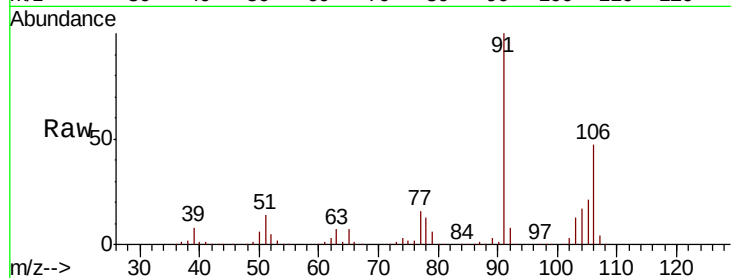




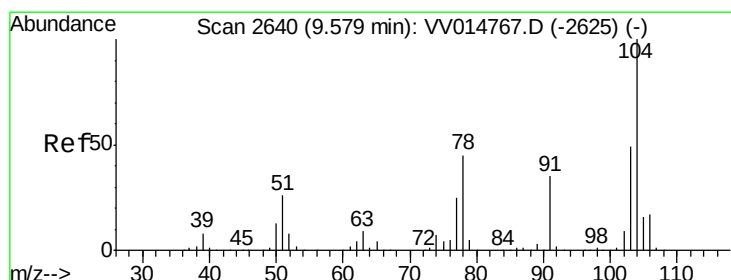
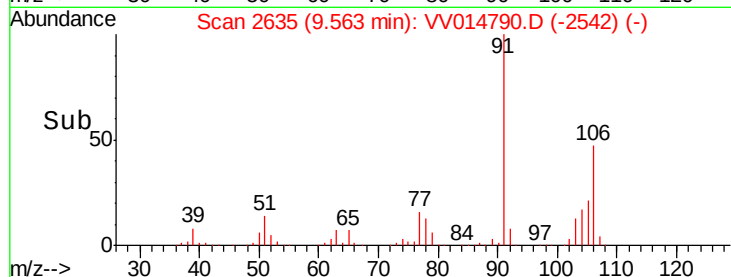
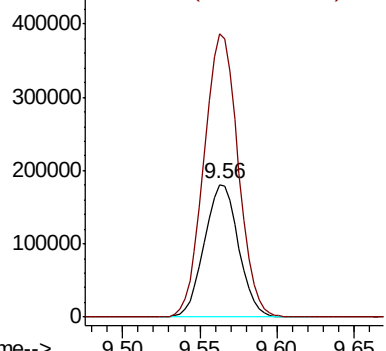
#54
o-xylene
Concen: 51.149 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 277730
Ion Ratio Lower Upper
106 100
91 213.9 152.5 283.3

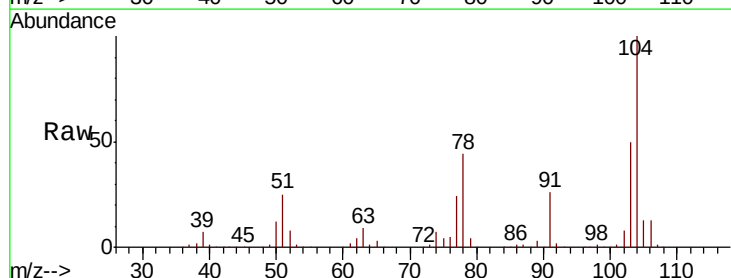


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

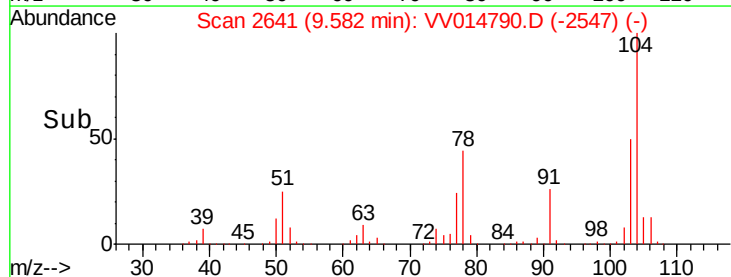
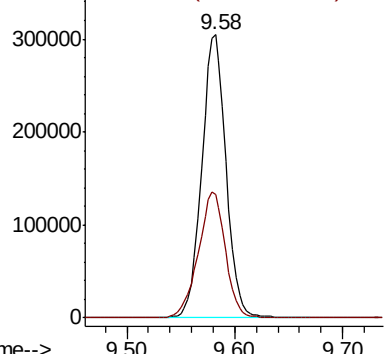


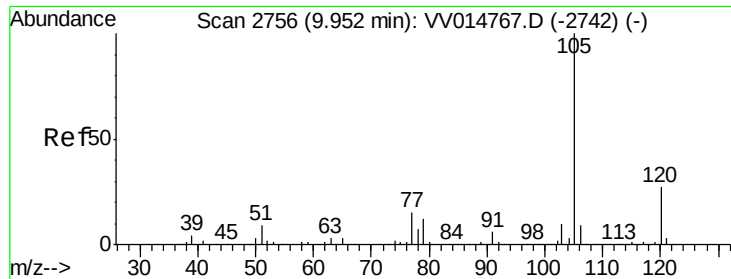
#55
Styrene
Concen: 51.555 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014790.D
Acq: 10 Mar 2020 09:38

Tgt Ion:104 Resp: 478680
Ion Ratio Lower Upper
104 100
78 43.5 31.6 58.6



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





#56

Isopropylbenzene

Concen: 51.207 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

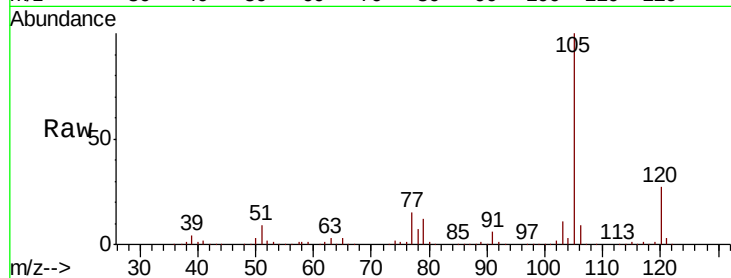
Tot Ion:105 Resp: 744679

Ion Ratio Lower Upper

105 100

120 26.7 20.6 31.0

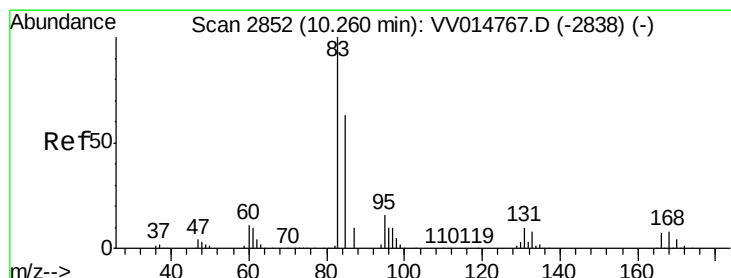
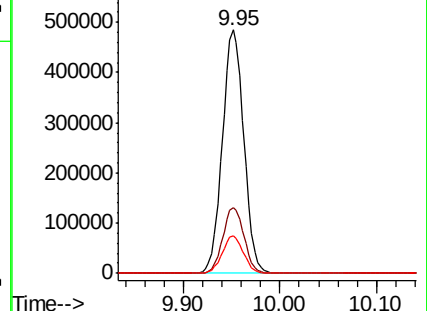
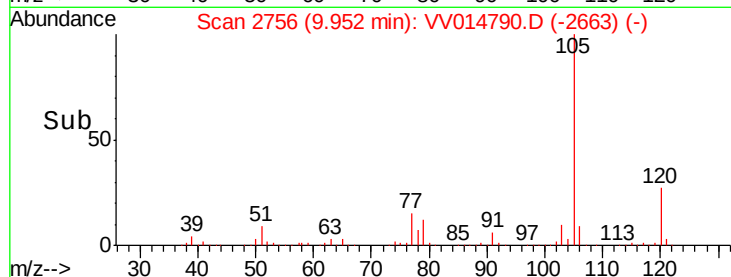
77 15.1 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.306 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

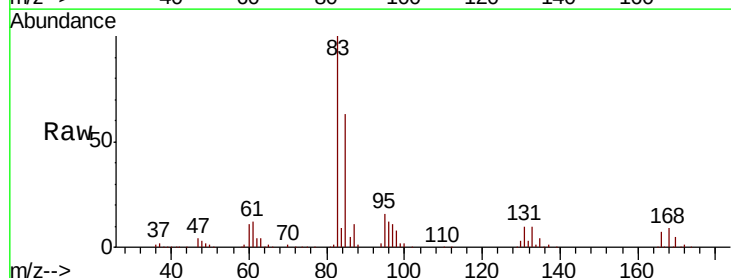
Tgt Ion: 83 Resp: 245400

Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.5

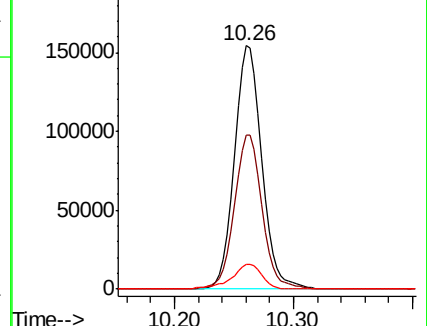
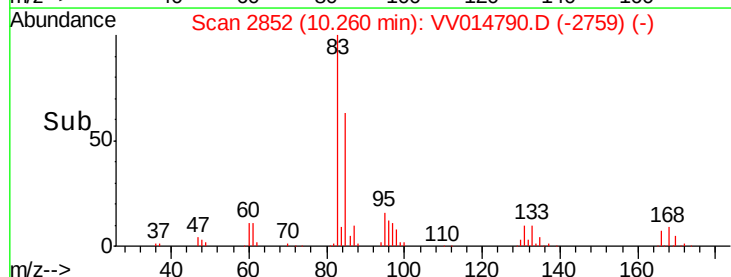
131 10.1 7.8 11.8

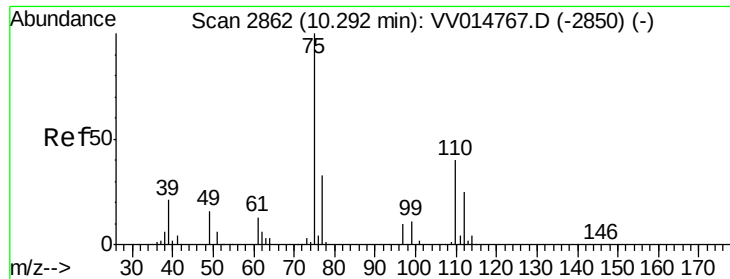


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.079 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

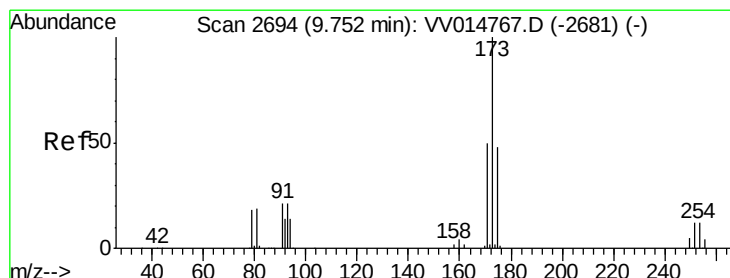
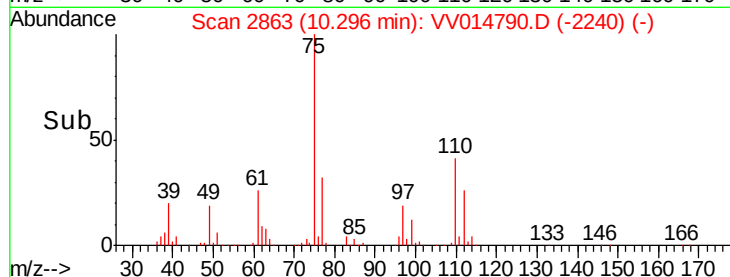
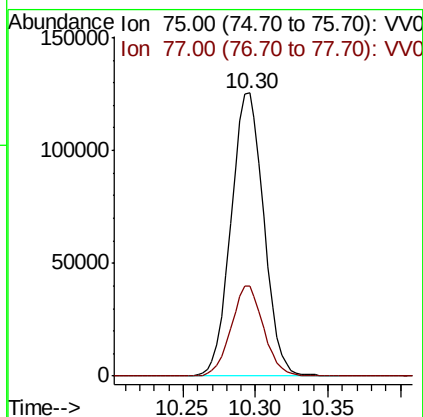
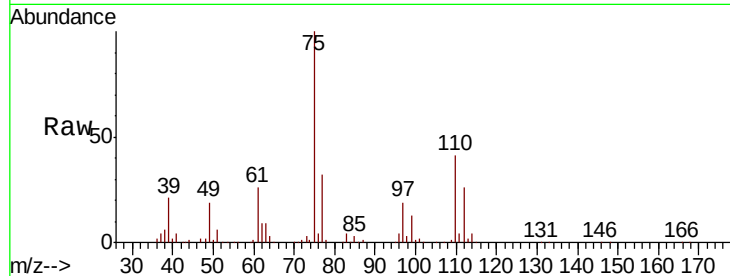
ClientSampleId :

Tot Ion: 75 Resp: 196631

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#61

Bromoform

Concen: 45.734 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

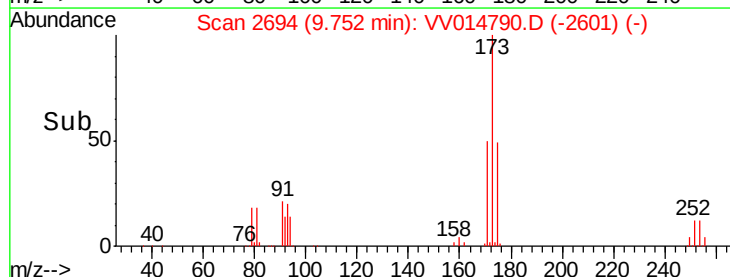
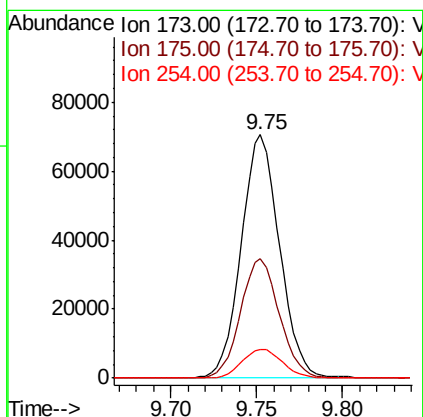
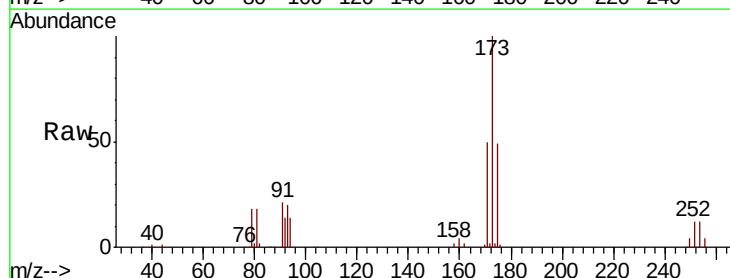
Tgt Ion: 173 Resp: 109551

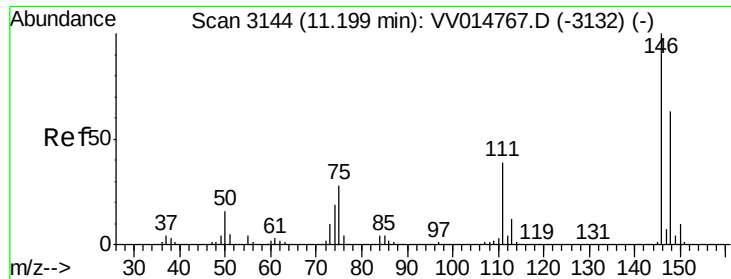
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 12.4 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 51.027 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

ClientSampled :

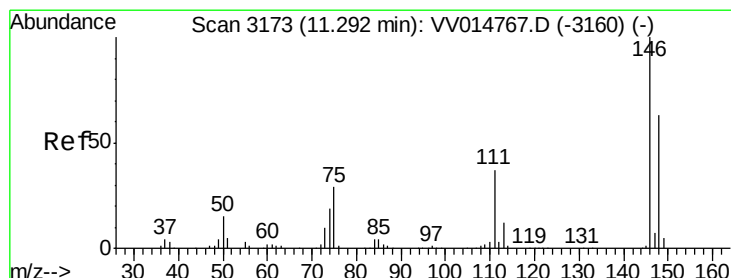
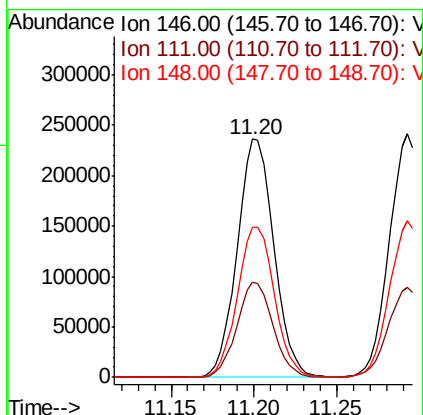
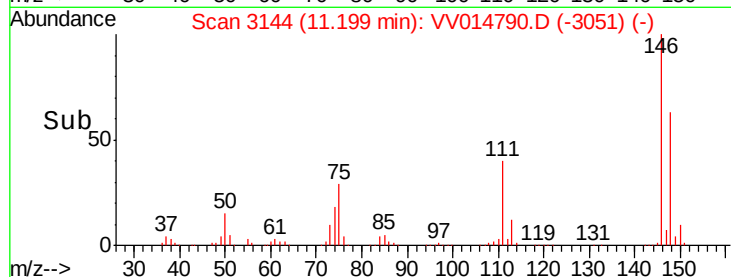
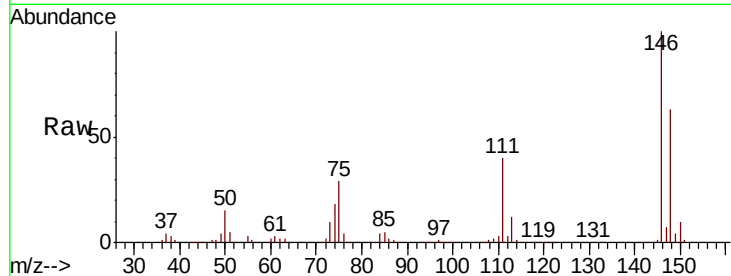
Tot Ion:146 Resp: 364341

Ion Ratio Lower Upper

146 100

111 40.1 27.2 50.4

148 63.0 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 50.107 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

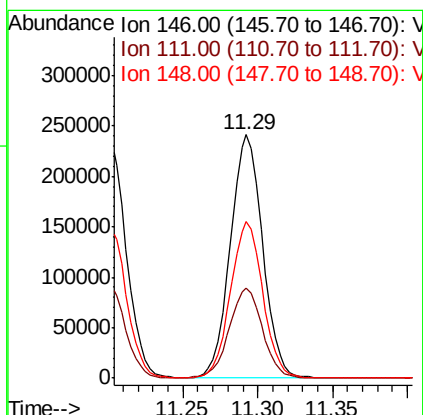
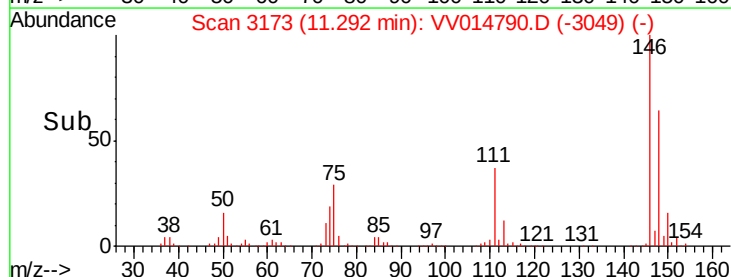
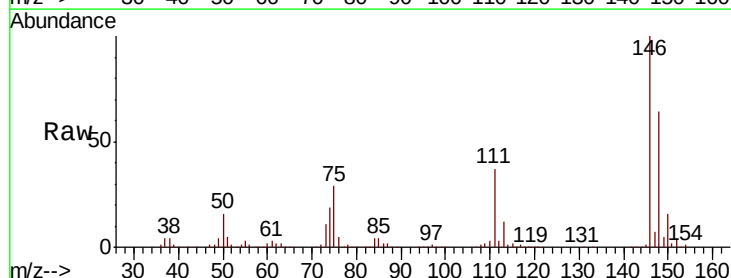
Tgt Ion:146 Resp: 360449

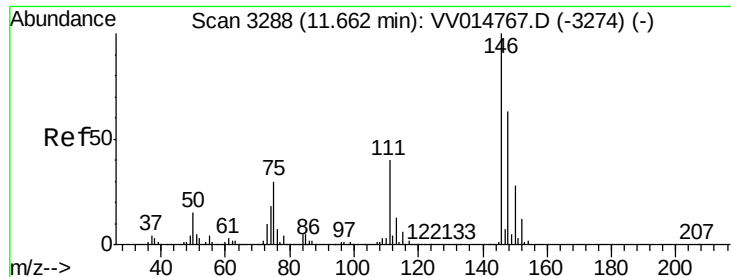
Ion Ratio Lower Upper

146 100

111 36.9 26.3 48.9

148 64.3 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 50.181 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

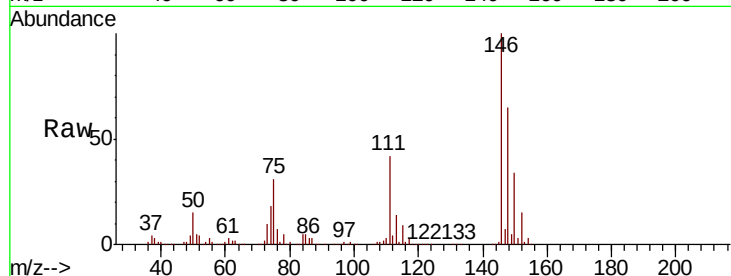
Tot Ion:146 Resp: 356719

Ion Ratio Lower Upper

146 100

111 41.5 33.9 50.9

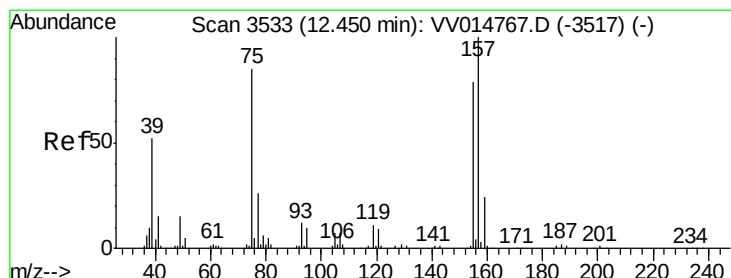
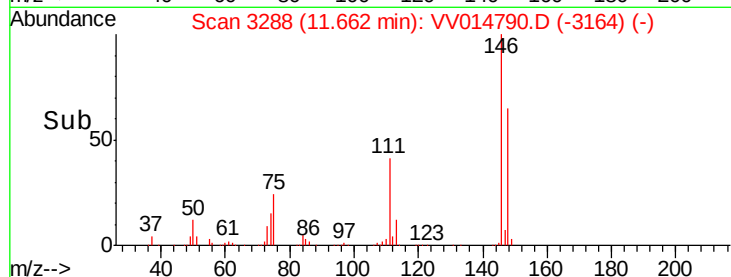
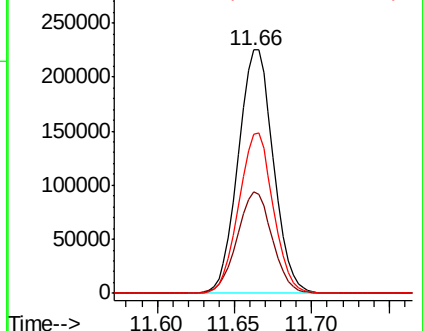
148 65.3 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 47.653 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

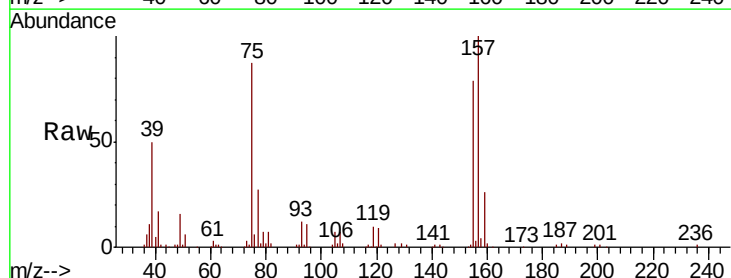
Tgt Ion: 75 Resp: 57492

Ion Ratio Lower Upper

75 100

155 90.0 66.4 99.6

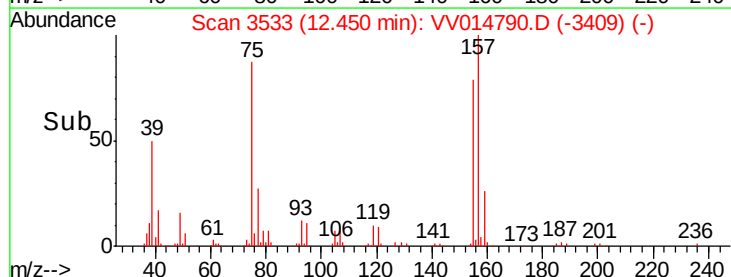
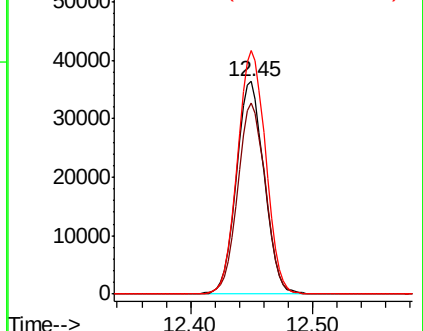
157 114.5 86.1 129.1

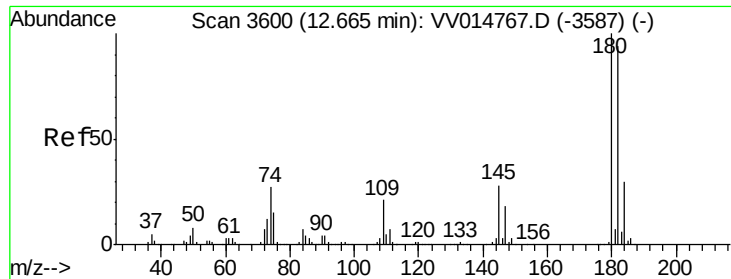


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

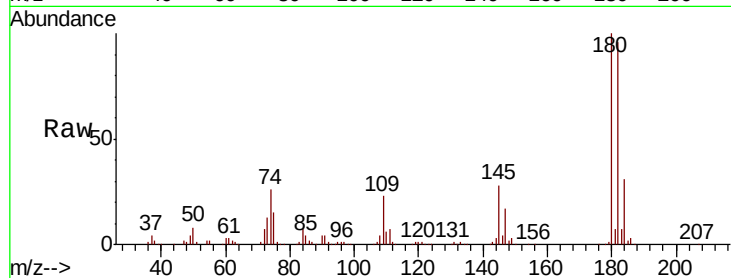




#67
 1,3,5-Trichlorobenzene
 Concen: 51.187 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180	Resp:	282664
Ion	Ratio	Lower Upper
180	100	
182	94.6	75.6 113.4
184	30.2	24.8 37.2
145	28.1	23.3 34.9



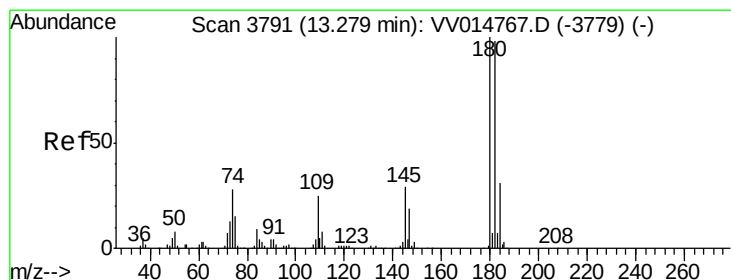
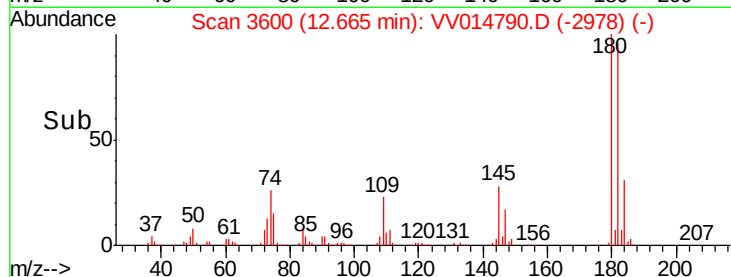
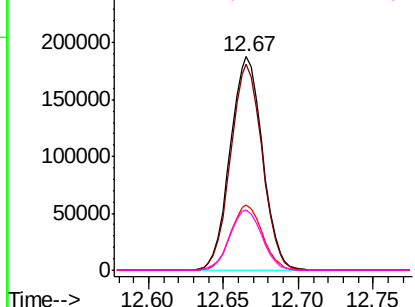
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

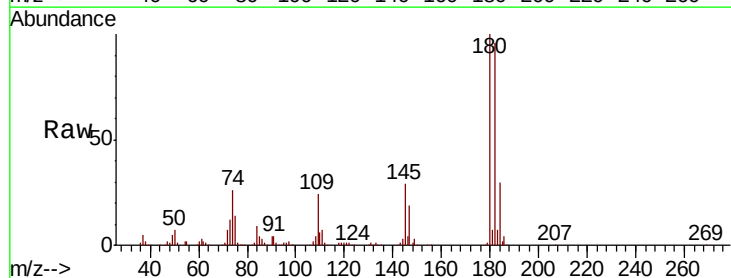
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.114 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VV014790.D
 Acq: 10 Mar 2020 09:38

Tgt Ion:180	Resp:	254357
Ion	Ratio	Lower Upper
180	100	
182	95.1	76.6 114.8
145	29.7	23.4 35.0

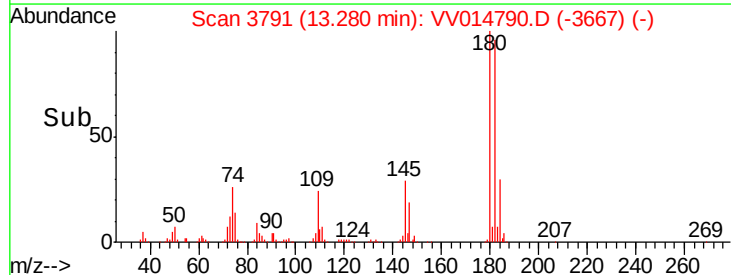
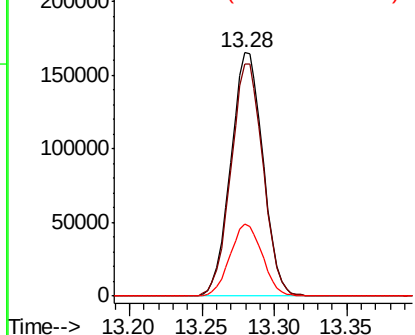


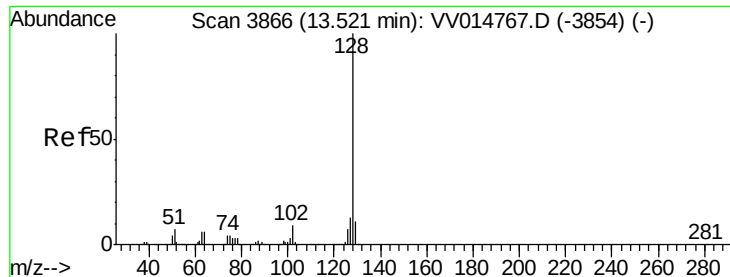
Abundance

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





#69

Naphthalene

Concen: 49.010 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

Instrument :

MSVOA_V

ClientSampleId :

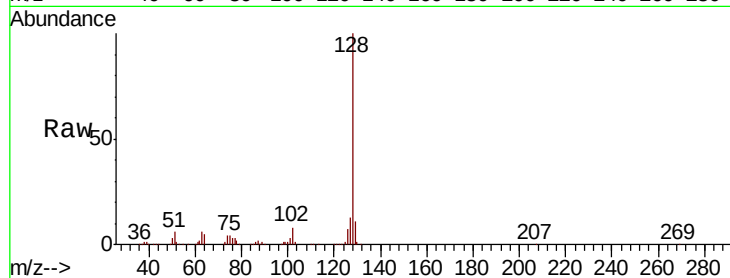
Tot Ion:128 Resp: 374485

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

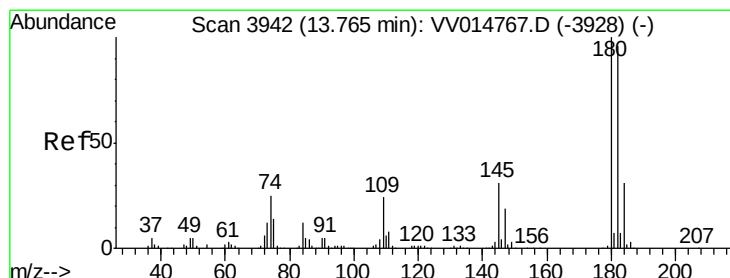
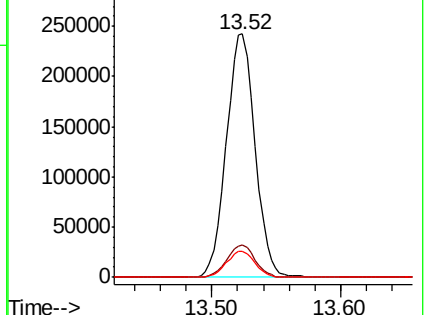
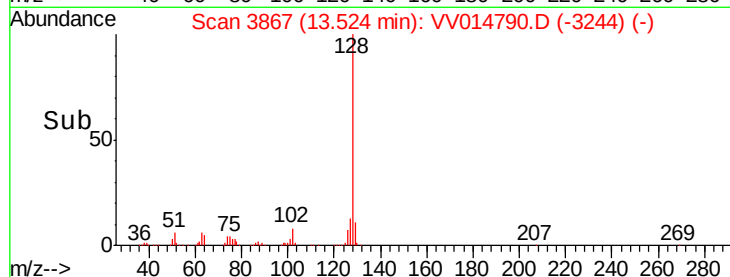
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.312 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014790.D

Acq: 10 Mar 2020 09:38

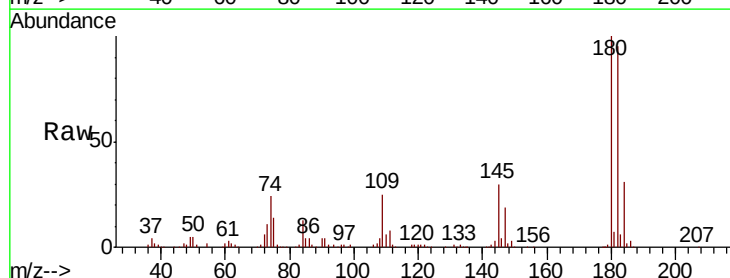
Tgt Ion:180 Resp: 254533

Ion Ratio Lower Upper

180 100

182 97.3 76.5 114.7

145 30.5 25.0 37.4



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

