

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014794.D
 Acq On : 10 Mar 2020 11:43
 Operator : SY/MD
 Sample : L1840-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 11 01:59:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 11 01:57:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	426712	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	418070	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	215215	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	112332	38.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.80%
7) Chloroethane-d5	1.58	69	92128	40.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.72%
11) 1,1-Dichloroethene-d2	2.12	63	181761	37.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.76%
21) 2-Butanone-d5	3.94	46	184615	85.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.72%
24) Chloroform-d	4.38	84	248543	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.90%
26) 1,2-Dichloroethane-d4	5.06	65	168005	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
32) Benzene-d6	5.07	84	516252	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.54%
36) 1,2-Dichloropropane-d6	6.09	67	161394	44.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.22%
41) Toluene-d8	7.34	98	497964	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	7.64	79	78592	44.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.00%
47) 2-Hexanone-d5	8.12	63	157479	96.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	235434	46.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	206161	48.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	111689	32.447	ug/L	96
8) Chloroethane	1.60	64	86481	46.739	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1597	0.674	ug/L #	16
12) 1,1-Dichloroethene	2.13	96	67538	29.136	ug/L	91
14) Carbon disulfide	2.30	76	354919	46.311	ug/L	98
15) Methyl Acetate	2.46	43	184938	54.744	ug/L	96
16) Methylene chloride	2.52	84	94033	29.869	ug/L	93
18) Methyl tert-butyl Ether	2.79	73	375591	40.062	ug/L	98
19) 1,1-Dichloroethane	3.21	63	108593	19.415	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	63463	19.815	ug/L	91
25) Chloroform	4.41	83	8863	1.530	ug/L	92
27) 1,2-Dichloroethane	5.16	62	250917	55.872	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	195587	40.351	ug/L	99
31) Carbon tetrachloride	4.63	117	25138	6.107	ug/L	100
34) Trichloroethene	5.94	95	187142	59.125	ug/L	95
37) 1,2-Dichloropropane	6.20	63	72627	22.190	ug/L #	97
40) 4-Methyl-2-pentanone	7.26	43	208088	43.873	ug/L	96

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

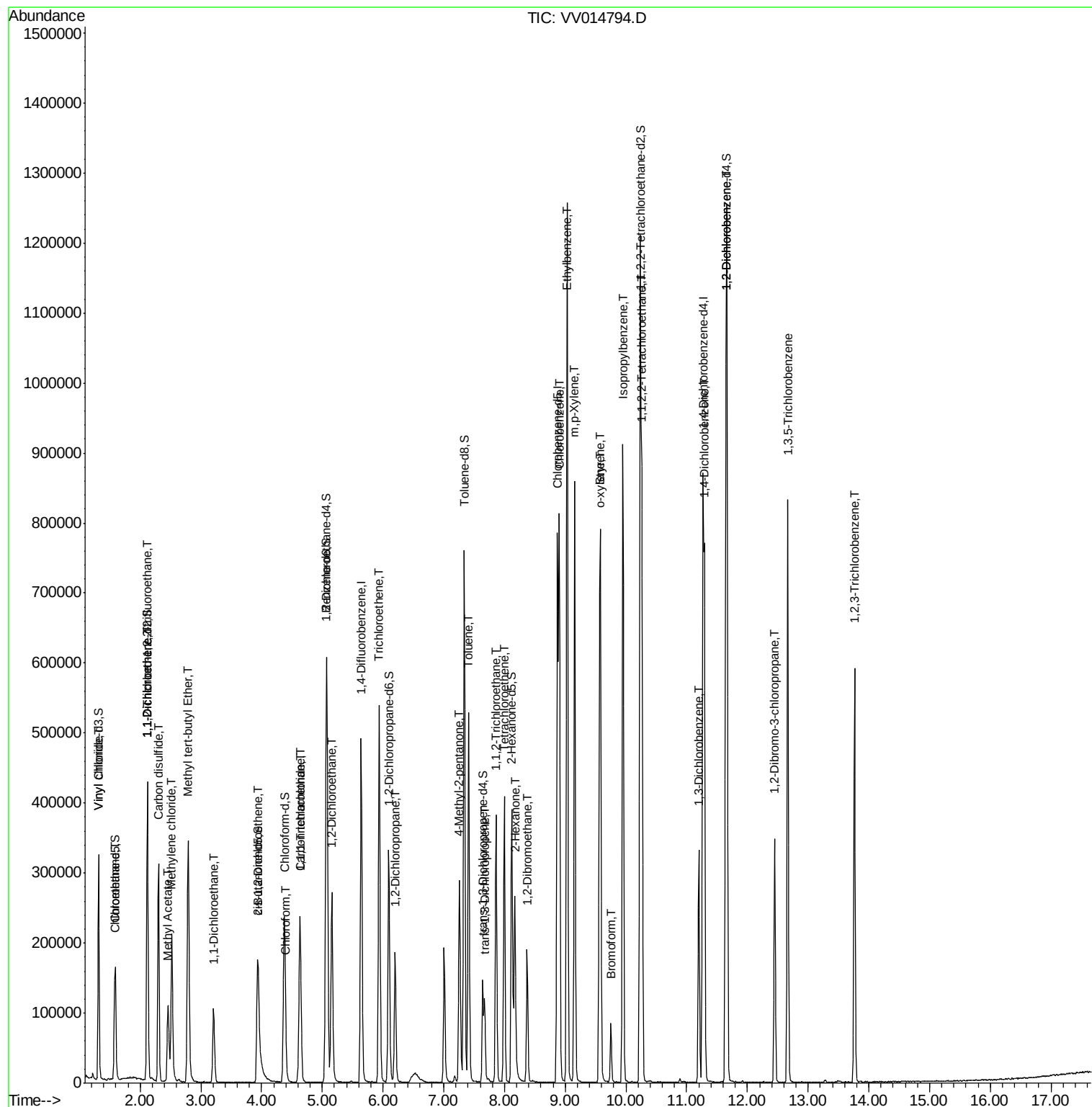
42) Toluene	7.41	91	383143	28.674	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	67398	14.412	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	120139	39.856	ug/L	97
46) Tetrachloroethene	8.00	164	94928	36.656	ug/L	97
48) 2-Hexanone	8.17	43	187897	50.371	ug/L #	97
50) 1,2-Dibromoethane	8.37	107	124076	38.080	ug/L	96
51) Chlorobenzene	8.90	112	420291	48.887	ug/L	97
52) Ethylbenzene	9.03	91	858000	56.997	ug/L	97
53) m,p-Xylene	9.15	106	231731	41.020	ug/L	94
54) o-xylene	9.56	106	111794	20.146	ug/L	98
55) Styrene	9.58	104	316571	33.361	ug/L	98
56) Isopropylbenzene	9.95	105	585005	39.361	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	368335	70.944	ug/L	99
61) Bromoform	9.75	173	36698	15.718	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	136768	19.652	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	280150	39.955	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	422302	60.949	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	83454	70.968	ug/L	90
67) 1,3,5-Trichlorobenzene	12.67	180	260764	48.447	ug/L	99
70) 1,2,3-Trichlorobenzene	13.76	180	182217	36.952	ug/L	98

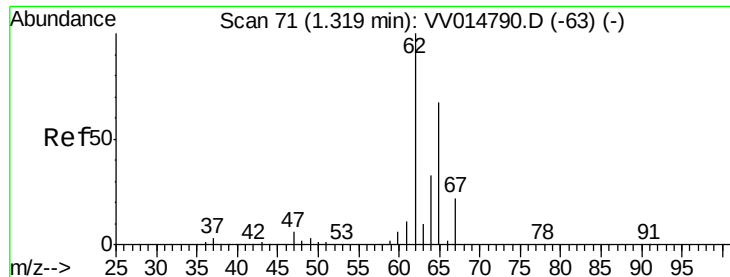
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 32.447 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :

MSVOA_V

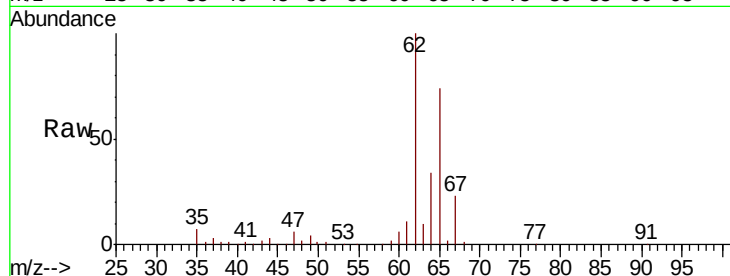
ClientSampled :

Tot Ion: 62 Resp: 111689

Ion Ratio Lower Upper

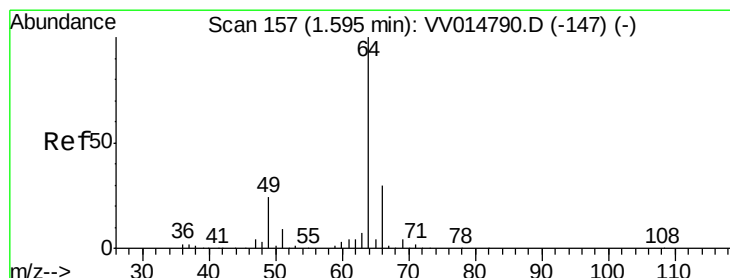
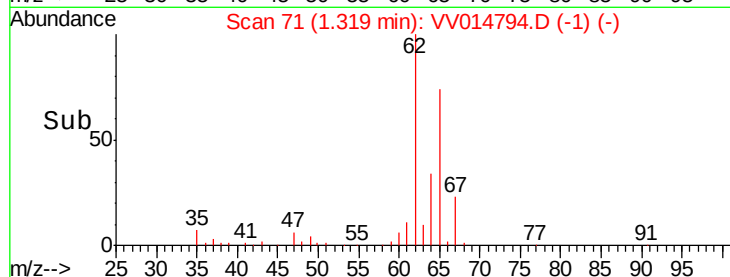
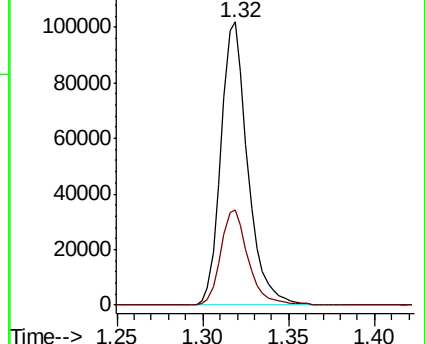
62 100

64 33.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 46.739 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014794.D

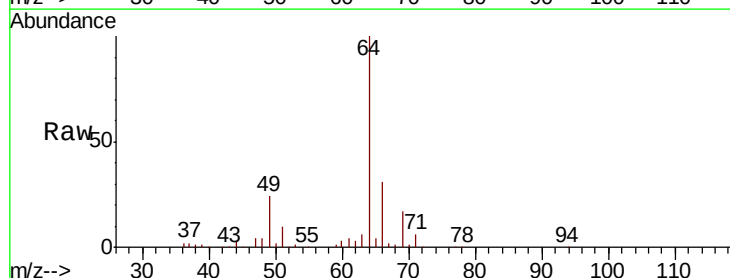
Acq: 10 Mar 2020 11:43

Tgt Ion: 64 Resp: 86481

Ion Ratio Lower Upper

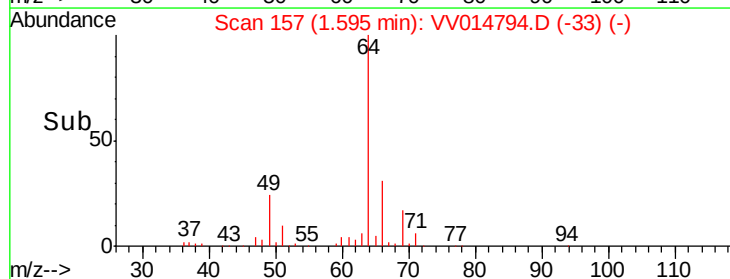
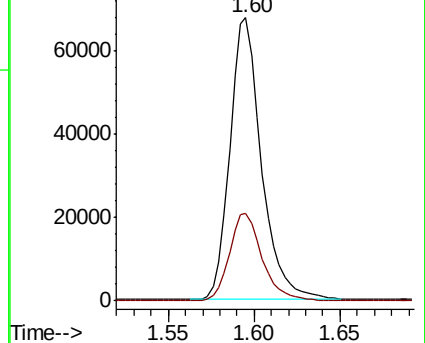
64 100

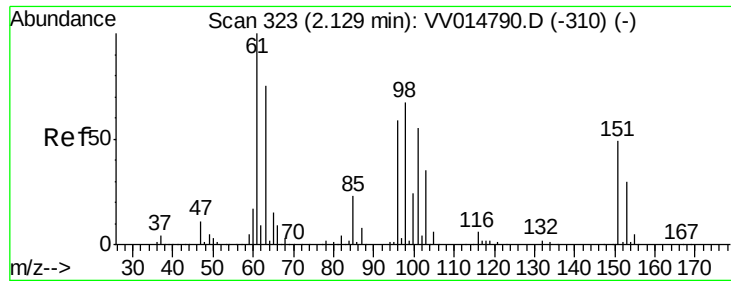
66 31.0 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.674 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :

MSVOA_V

ClientSampled :

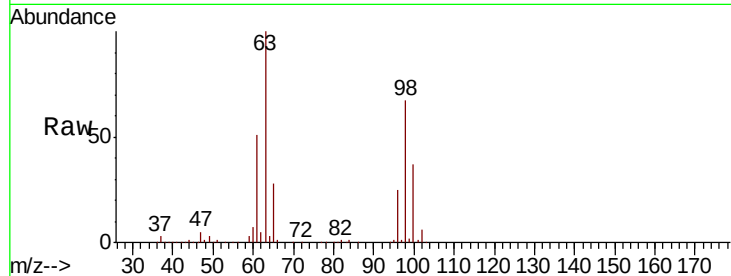
Tot Ion:101 Resp: 1597

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

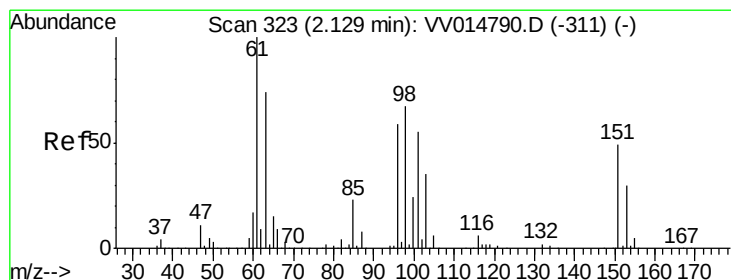
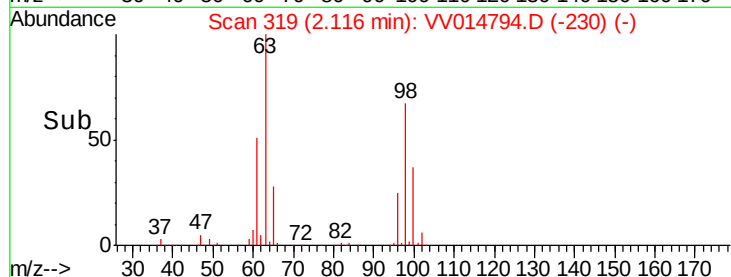
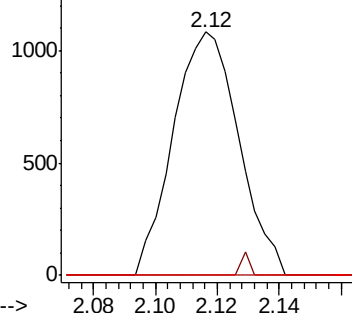
151 0.0 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 29.136 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

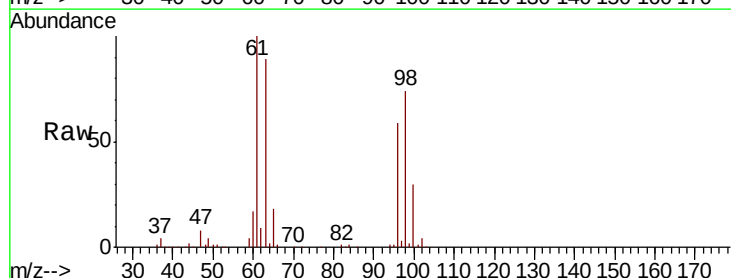
Tgt Ion: 96 Resp: 67538

Ion Ratio Lower Upper

96 100

61 168.4 118.4 220.0

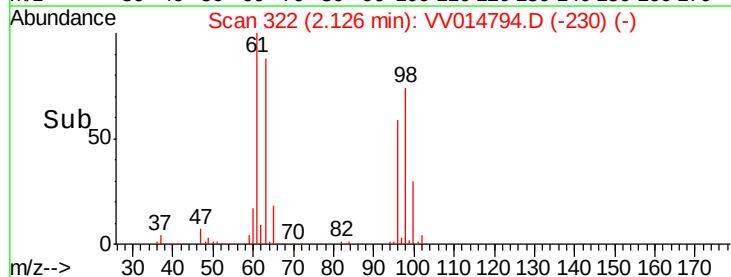
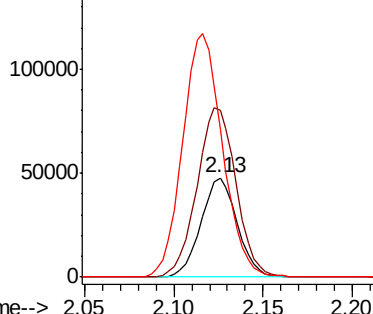
63 149.2 88.4 164.2

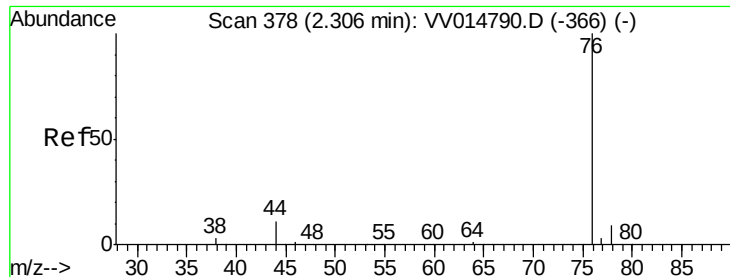


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

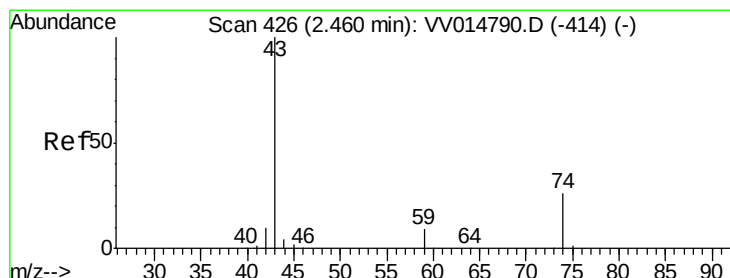
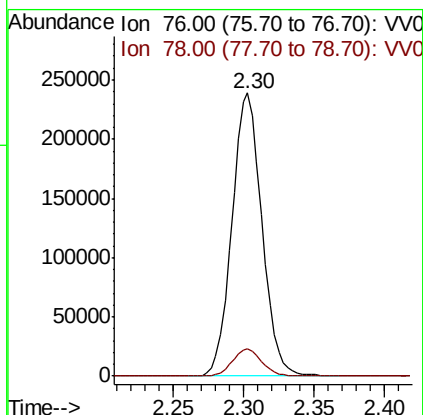
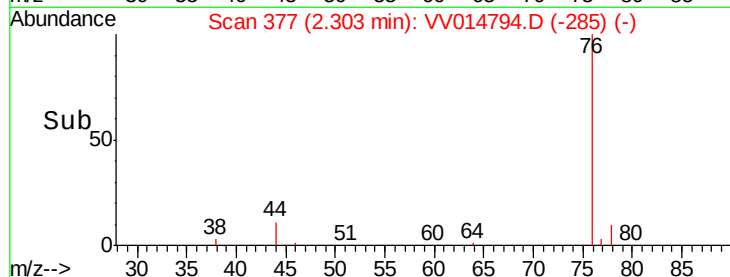
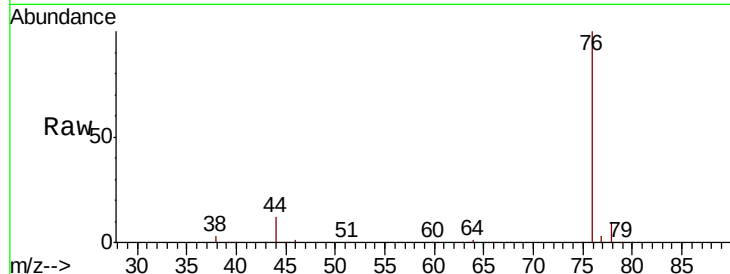




#14
Carbon disulfide
Concen: 46.311 ug/L
RT: 2.30 min Scan# 377
Delta R.T. -0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

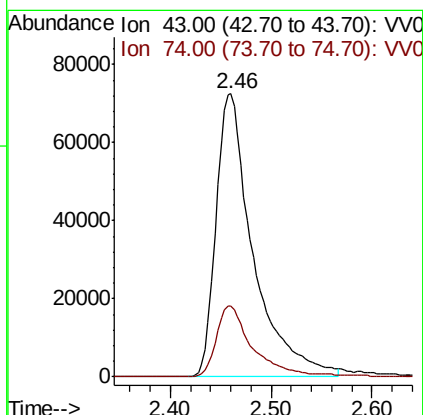
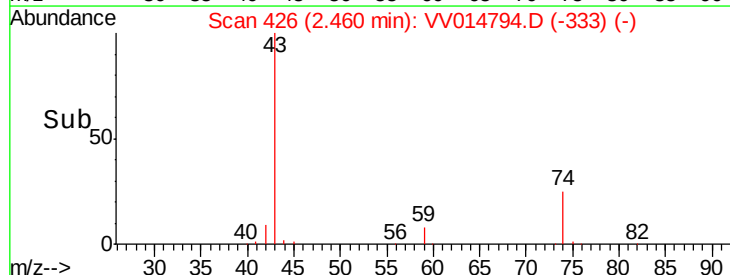
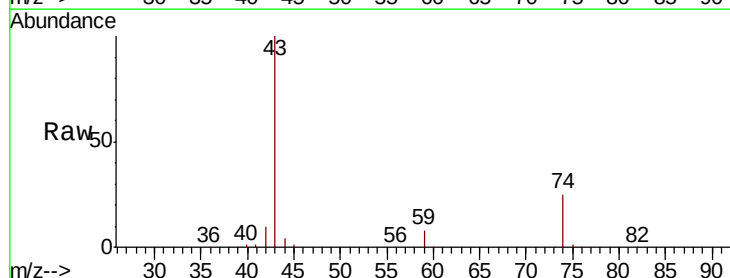
Instrument :
MSVOA_V
ClientSampleId :

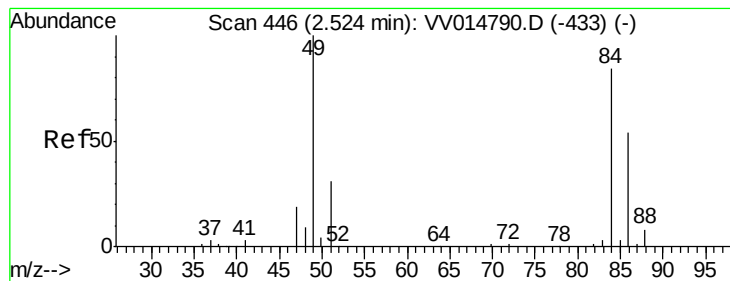
Tot Ion: 76 Resp: 354919
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#15
Methyl Acetate
Concen: 54.744 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Tgt Ion: 43 Resp: 184938
Ion Ratio Lower Upper
43 100
74 24.4 17.9 26.9





#16

Methylene chloride

Concen: 29.869 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

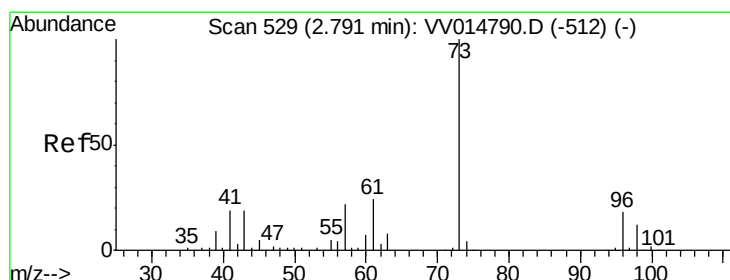
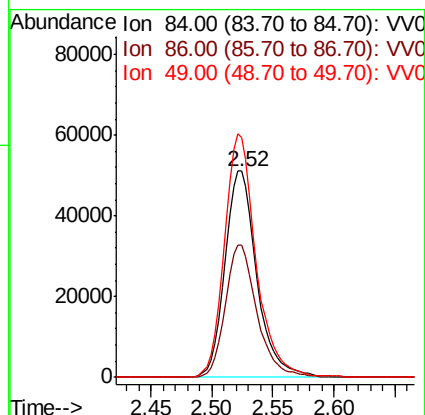
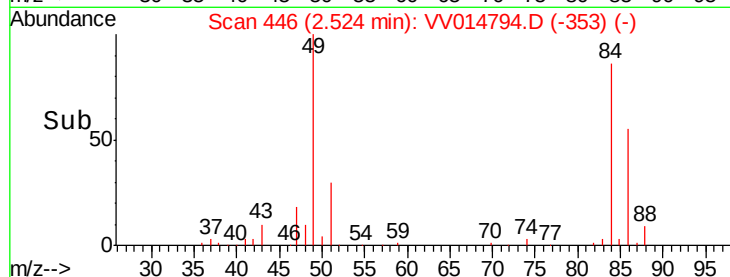
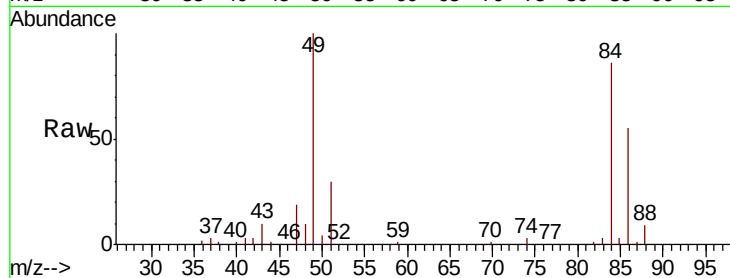
Tot Ion: 84 Resp: 94033

Ion Ratio Lower Upper

84 100

86 63.9 47.3 87.9

49 116.5 88.7 164.7



#18

Methyl tert-butyl Ether

Concen: 40.062 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

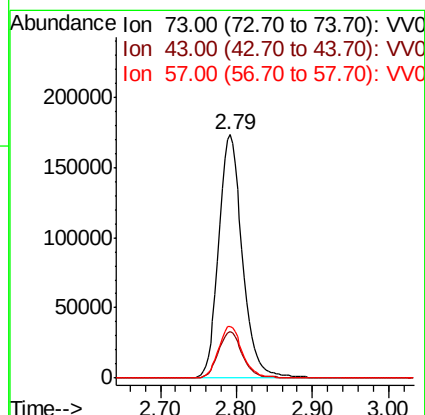
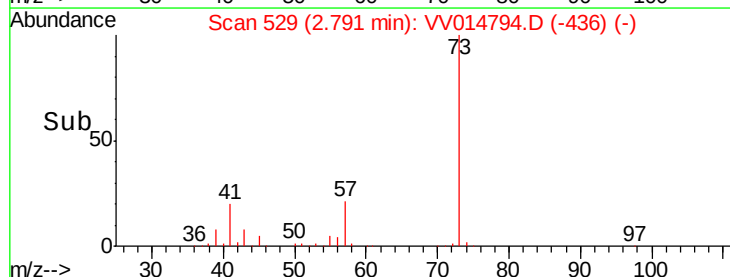
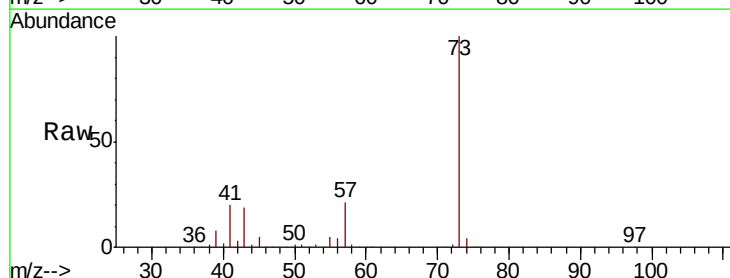
Tgt Ion: 73 Resp: 375591

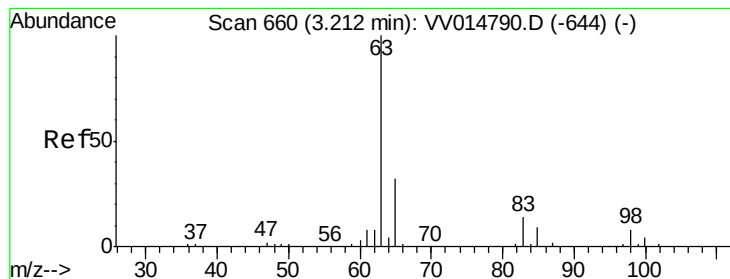
Ion Ratio Lower Upper

73 100

43 19.4 15.9 23.9

57 21.3 18.0 27.0





#19

1,1-Dichloroethane

Concen: 19.415 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

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ClientSampleId :

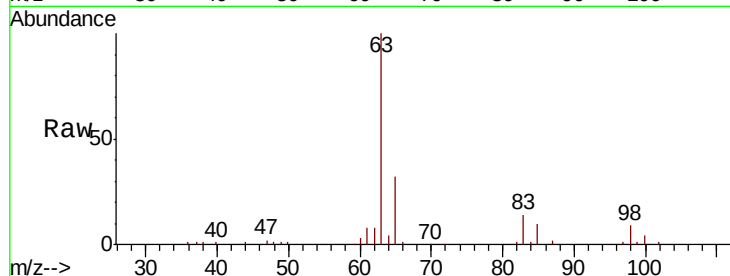
Tot Ion: 63 Resp: 108593

Ion Ratio Lower Upper

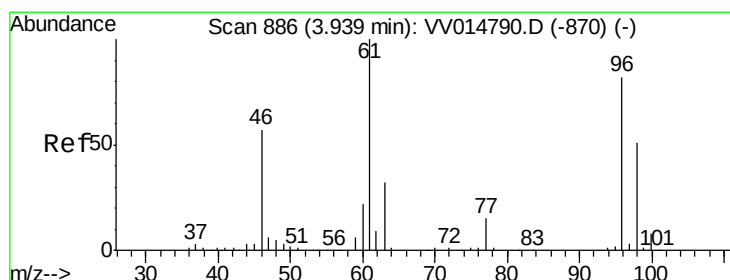
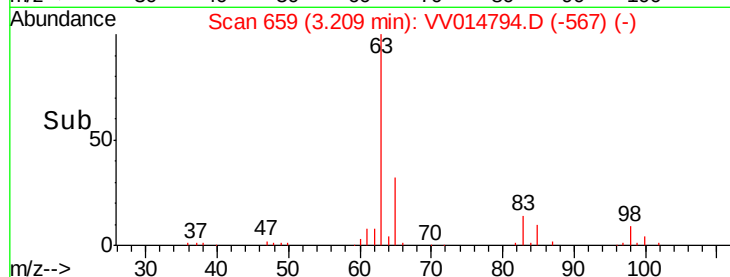
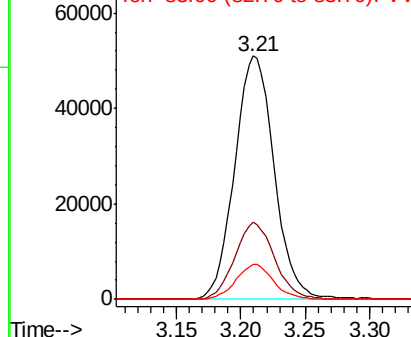
63 100

65 31.5 22.5 41.7

83 14.3 9.1 16.9



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



#20

cis-1,2-Dichloroethene

Concen: 19.815 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

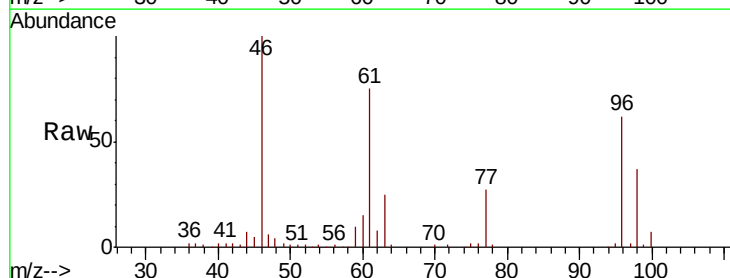
Tgt Ion: 96 Resp: 63463

Ion Ratio Lower Upper

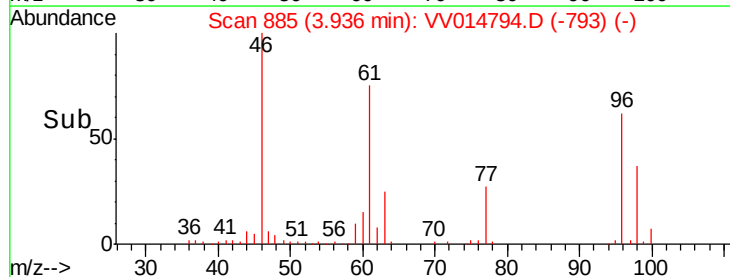
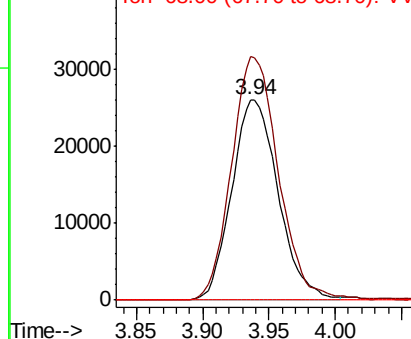
96 100

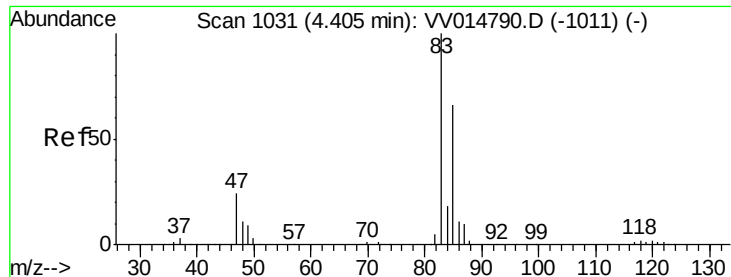
61 121.6 92.2 171.2

68 0.0 0.0 0.0



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

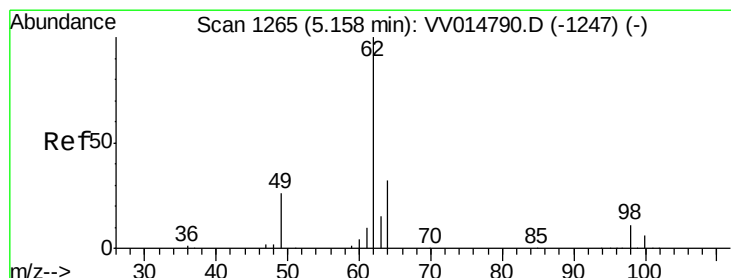
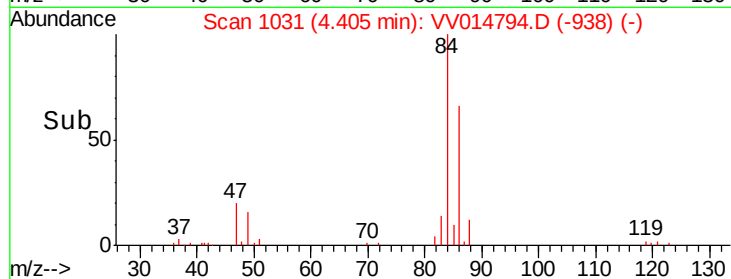
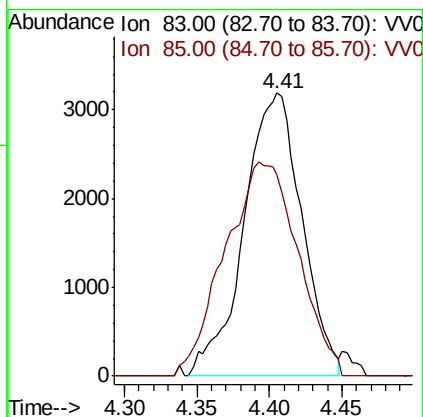
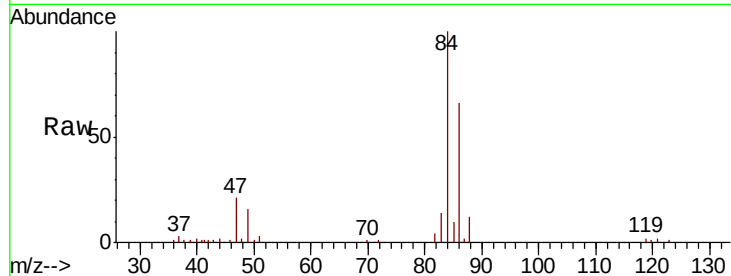




#25
Chloroform
Concen: 1.530 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

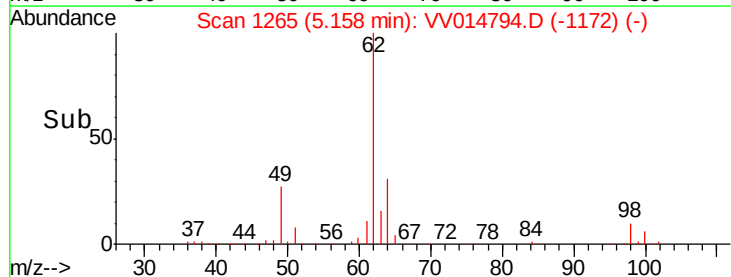
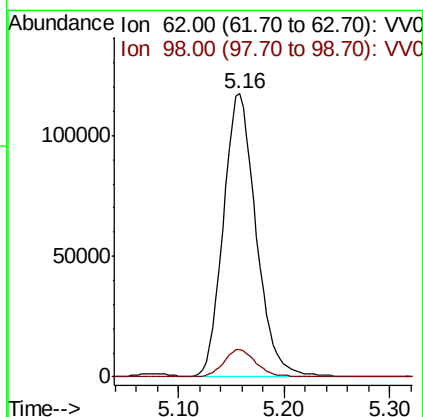
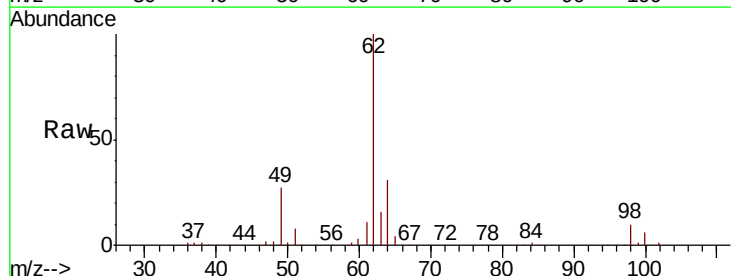
Instrument :
MSVOA_V
ClientSampleId :

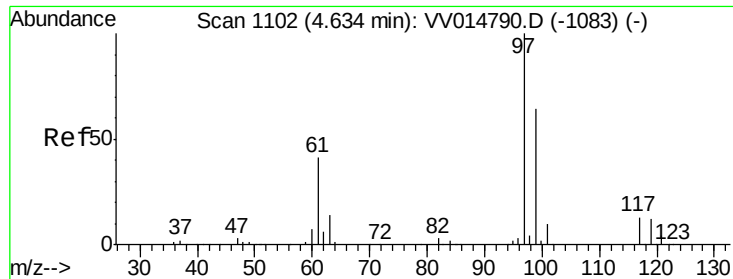
Tot Ion: 83 Resp: 8863
Ion Ratio Lower Upper
83 100
85 71.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 55.872 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Tgt Ion: 62 Resp: 250917
Ion Ratio Lower Upper
62 100
98 9.7 7.2 10.8



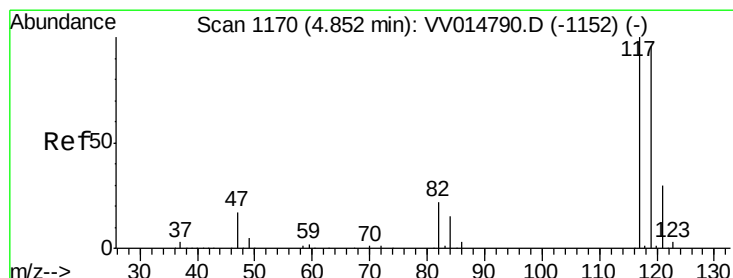
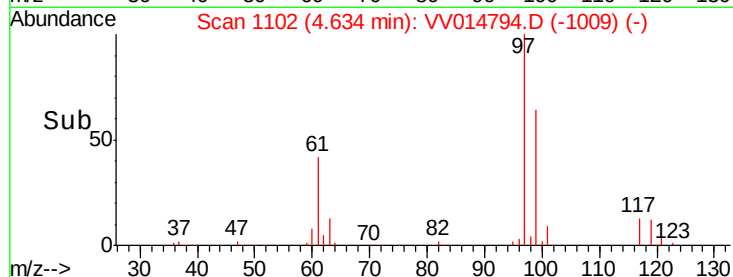
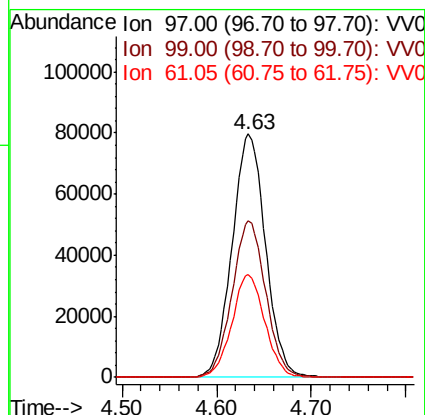
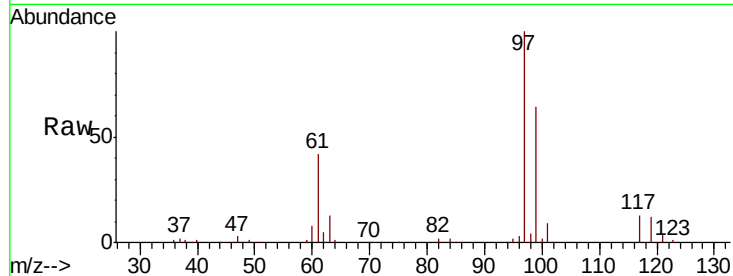


#30
 1,1,1-Trichloroethane
 Concen: 40.351 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV014794.D
 Acq: 10 Mar 2020 11:43

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 195587

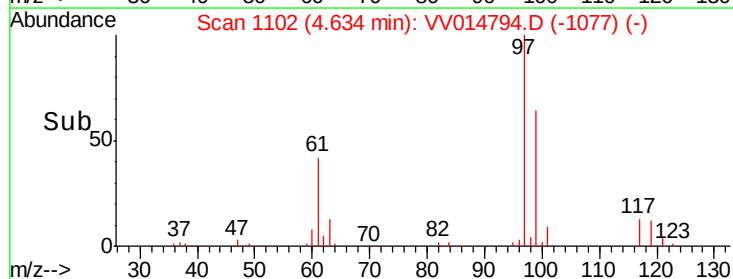
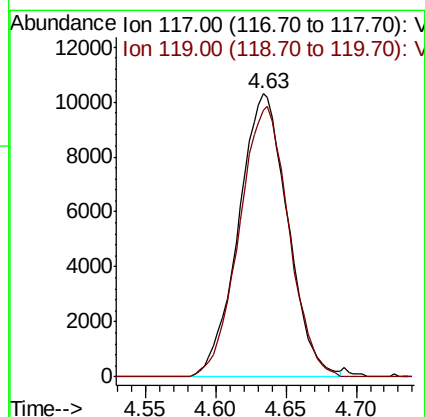
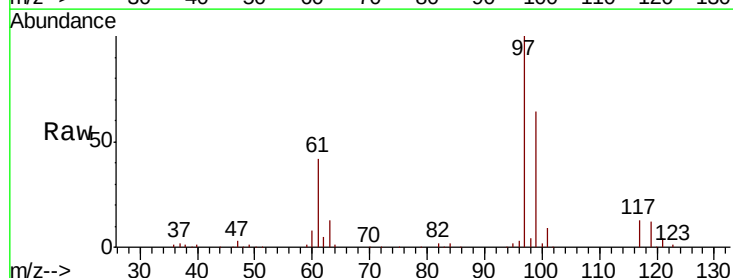
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.6	77.4
61	41.7	34.6	52.0

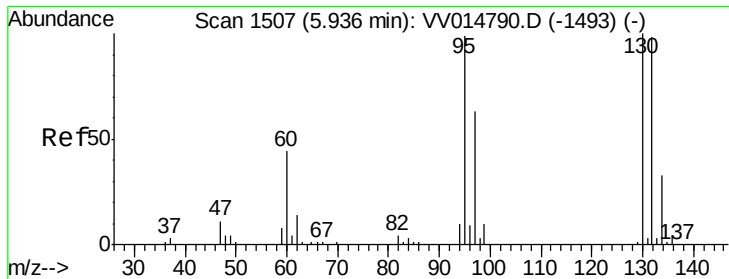


#31
 Carbon tetrachloride
 Concen: 6.107 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.22 min
 Lab File: VV014794.D
 Acq: 10 Mar 2020 11:43

Tgt Ion: 117 Resp: 25138

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7

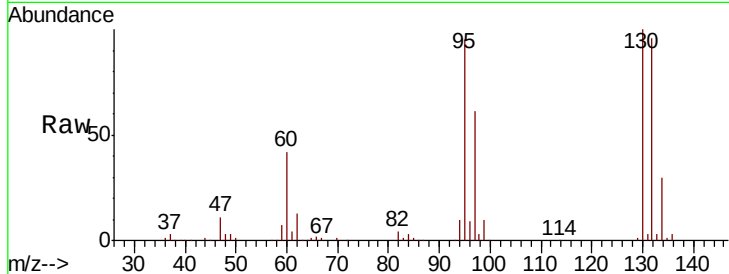




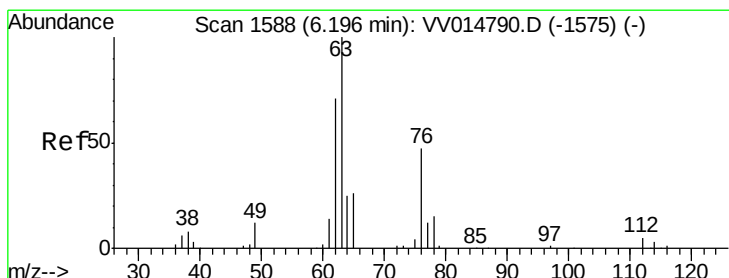
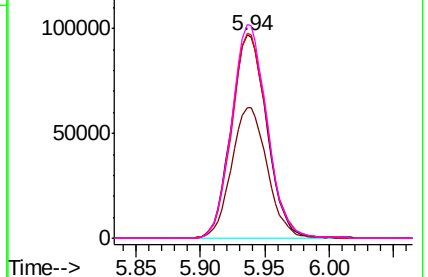
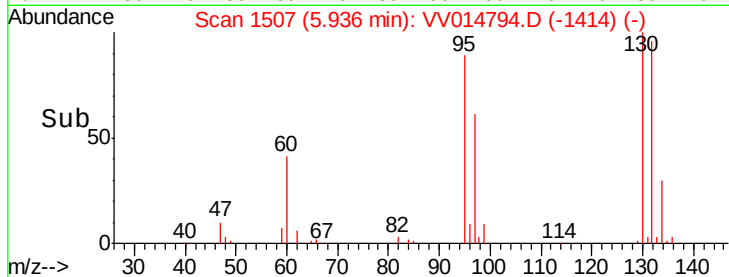
#34
 Trichloroethene
 Concen: 59.125 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV014794.D
 Acq: 10 Mar 2020 11:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 187142
 Ion Ratio Lower Upper
 95 100
 97 64.4 43.8 81.4
 132 100.5 65.8 122.2
 130 105.0 70.6 131.2

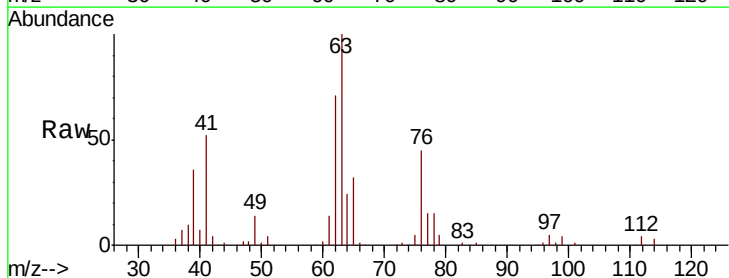


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

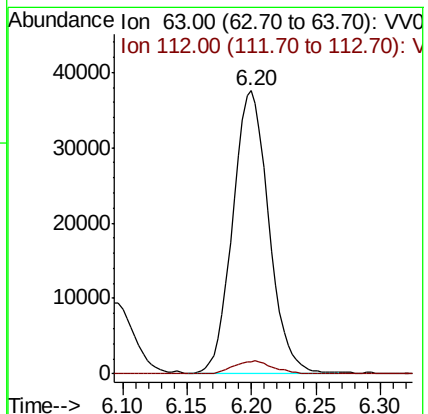
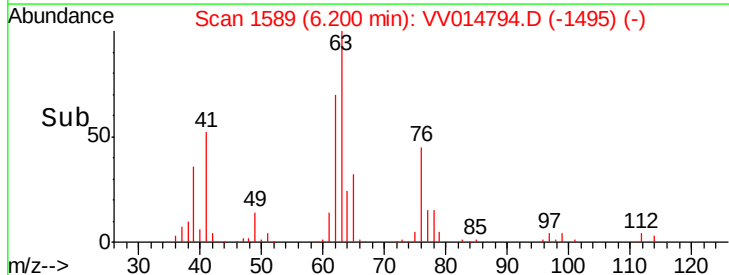


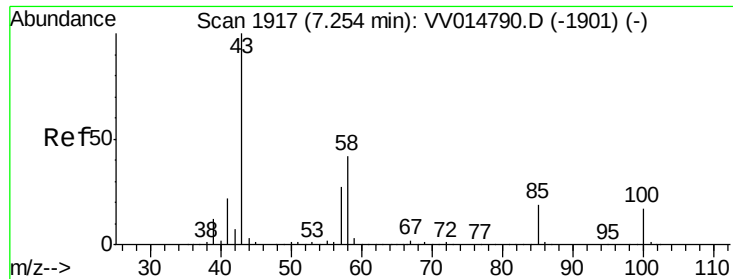
#37
 1,2-Dichloropropane
 Concen: 22.190 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014794.D
 Acq: 10 Mar 2020 11:43

Tgt Ion: 63 Resp: 72627
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 112.00 (111.70 to 112.70): VV0

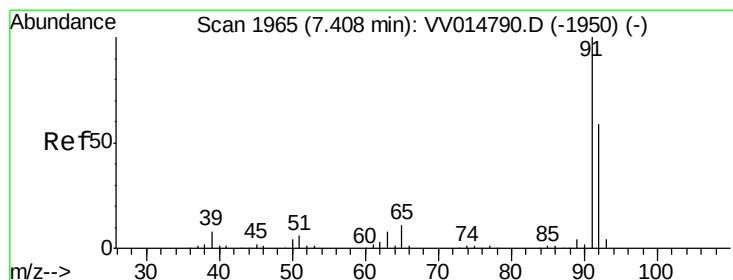
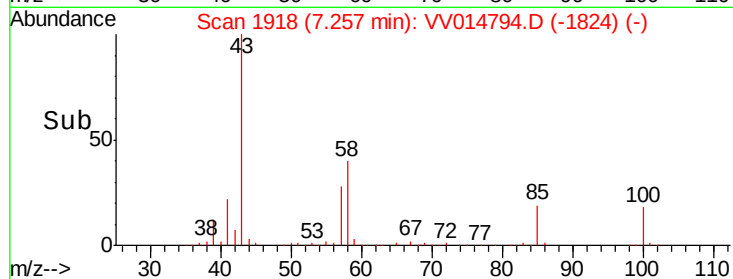
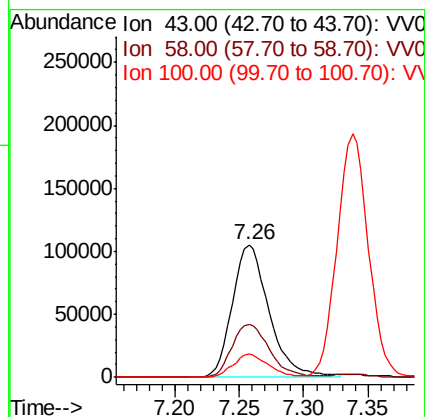
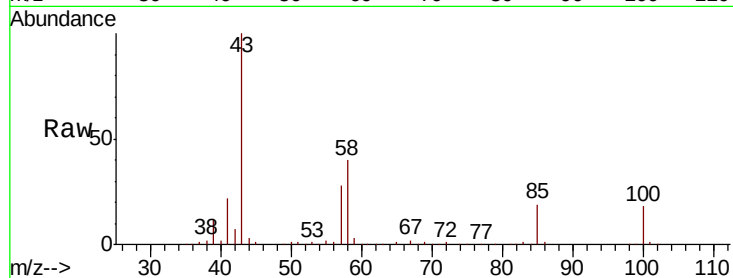




#40
4-Methyl-2-pentanone
Concen: 43.873 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

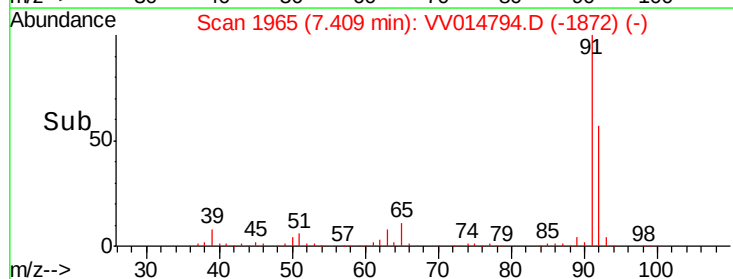
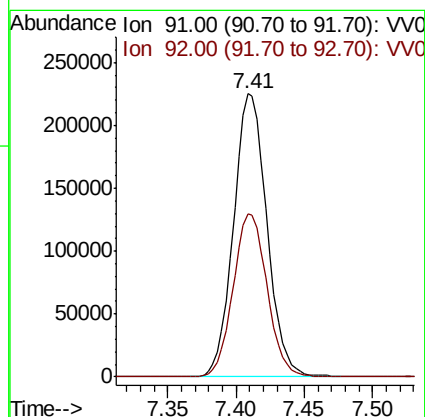
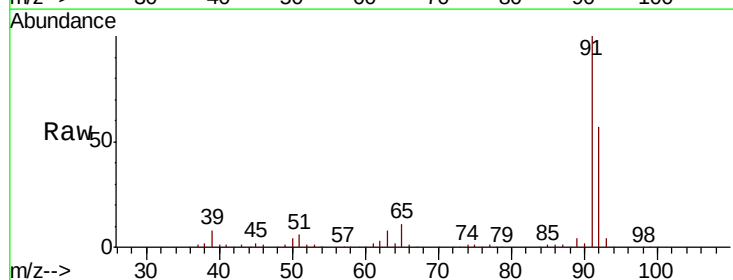
Instrument :
MSVOA_V
ClientSampled :

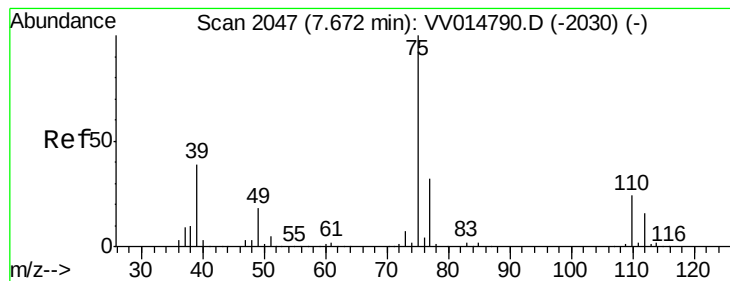
Tot Ion: 43 Resp: 208088
Ion Ratio Lower Upper
43 100
58 40.9 31.0 46.4
100 16.7 11.2 16.8



#42
Toluene
Concen: 28.674 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Tgt Ion: 91 Resp: 383143
Ion Ratio Lower Upper
91 100
92 57.5 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 14.412 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :

MSVOA_V

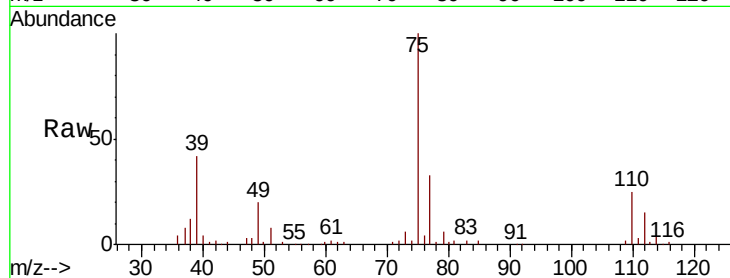
ClientSampleId :

Tot Ion: 75 Resp: 67398

Ion Ratio Lower Upper

75 100

77 33.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014790.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV014790.D (-2030) (-)

7.67

40000

30000

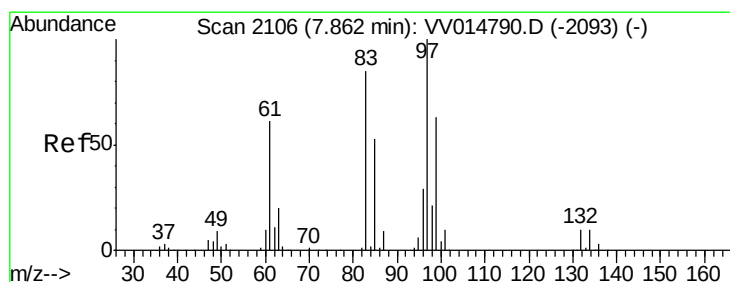
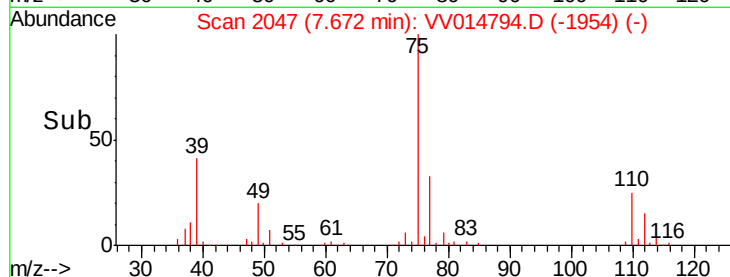
20000

10000

0

7.60 7.65 7.70 7.75

Time-->



#45

1,1,2-Trichloroethane

Concen: 39.856 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Tgt Ion: 97 Resp: 120139

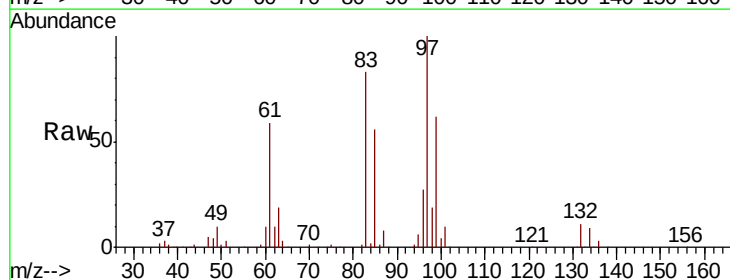
Ion Ratio Lower Upper

97 100

99 61.6 43.1 80.1

83 83.3 62.4 115.8

85 55.7 40.1 74.5



Abundance Ion 97.00 (96.70 to 97.70): VV014790.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV014790.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV014790.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV014790.D (-2093) (-)

7.86

100000

80000

60000

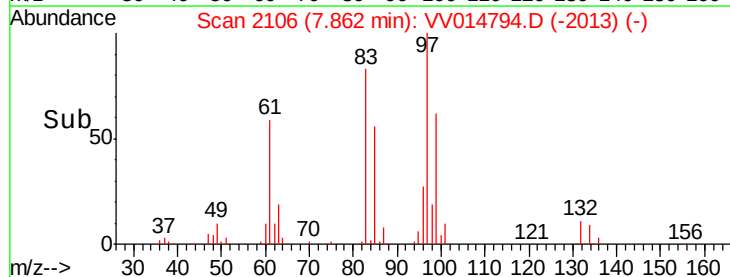
40000

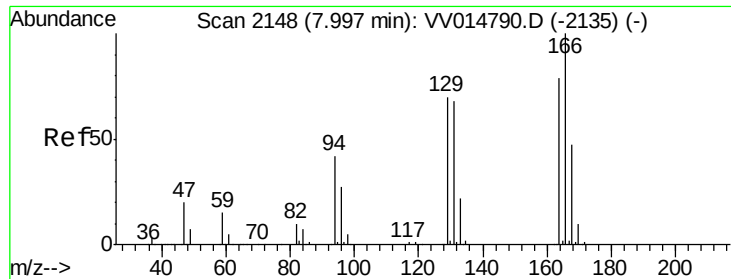
20000

0

7.80 7.85 7.90 7.95

Time-->

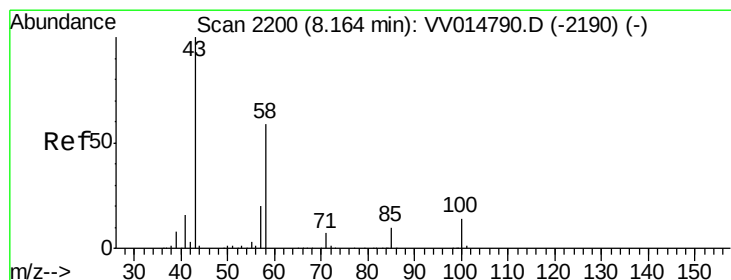
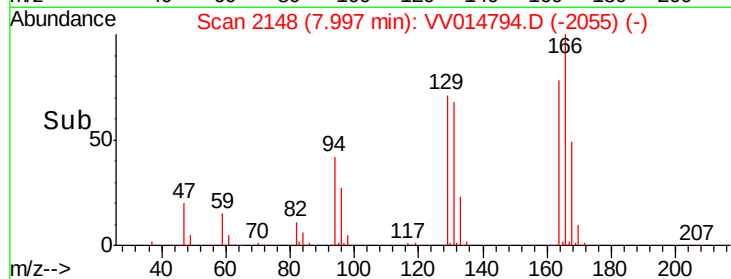
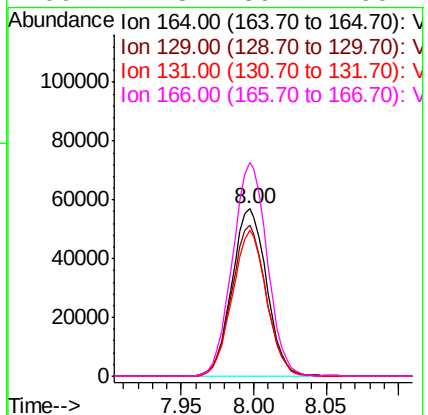
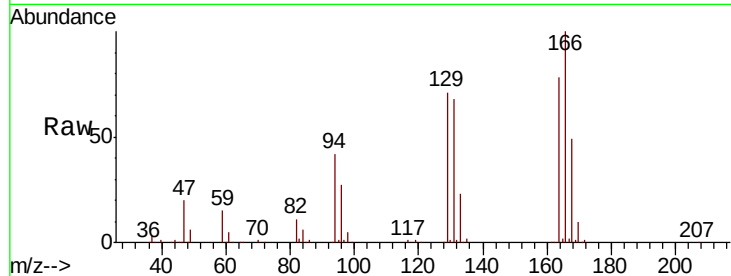




#46
Tetrachloroethene
Concen: 36.656 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

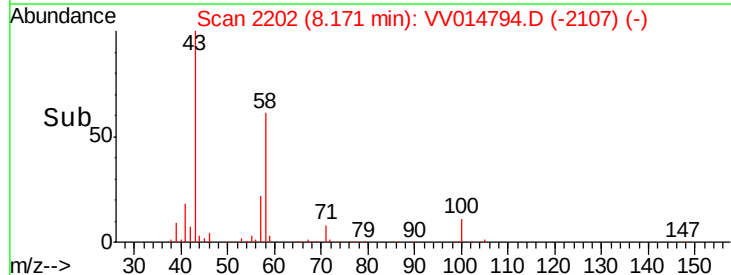
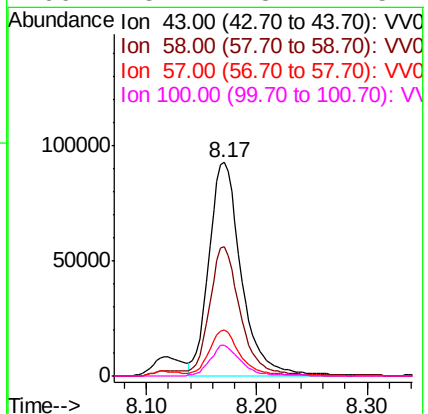
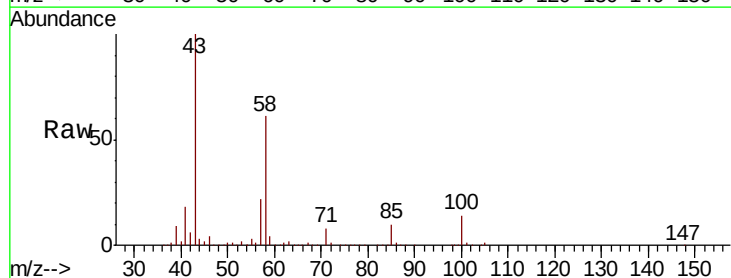
Instrument :
MSVOA_V
ClientSampleId :

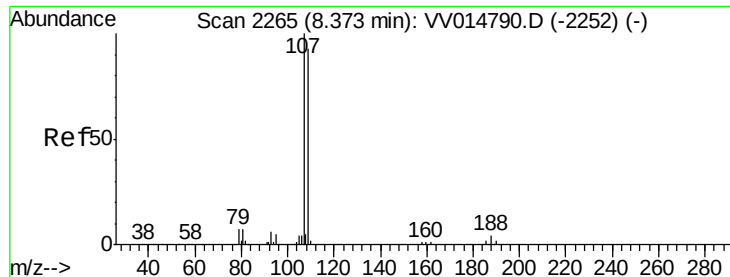
Tot Ion:164 Resp: 94928
Ion Ratio Lower Upper
164 100
129 90.6 66.0 122.6
131 87.0 63.9 118.7
166 127.8 89.7 166.7



#48
2-Hexanone
Concen: 50.371 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Tgt Ion: 43 Resp: 187897
Ion Ratio Lower Upper
43 100
58 56.6 43.3 64.9
57 20.1 15.6 23.4
100 13.4 8.7 13.1#

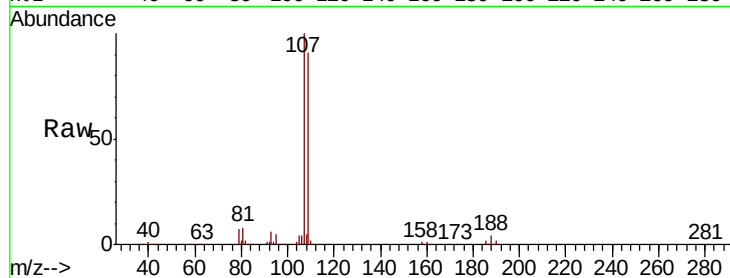




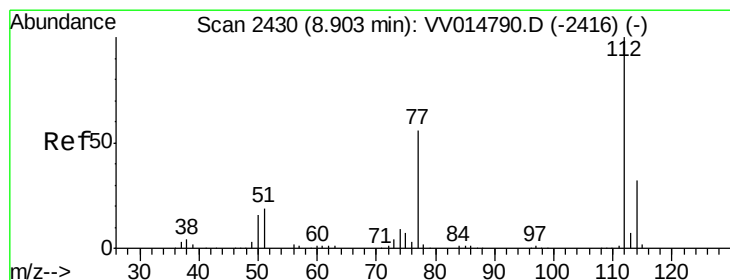
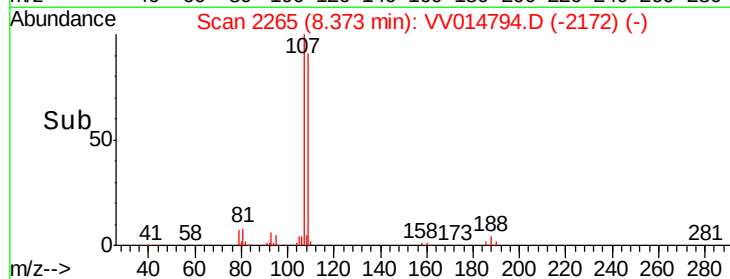
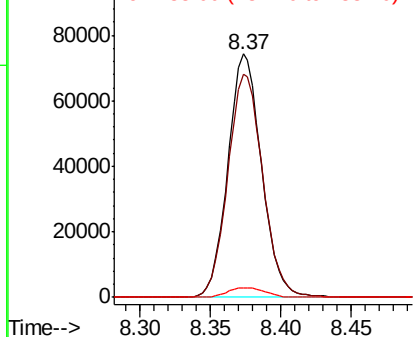
#50
1,2-Dibromoethane
Concen: 38.080 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.5	66.6	123.6
188	4.1	3.0	4.6

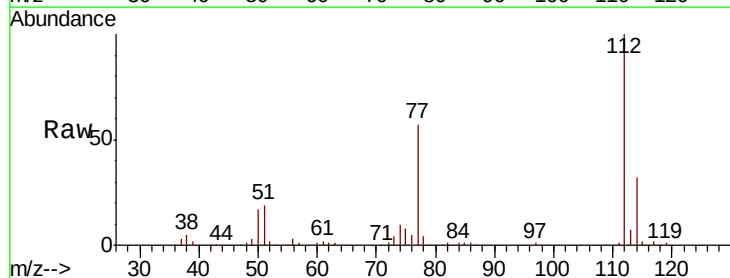


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

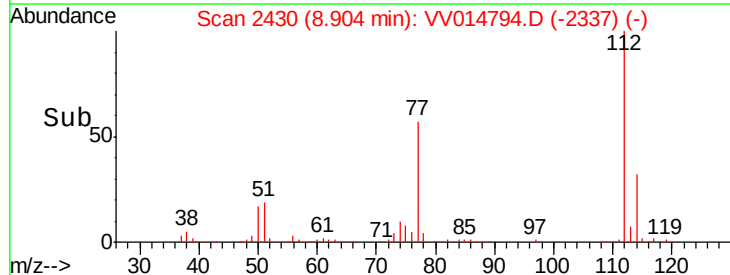
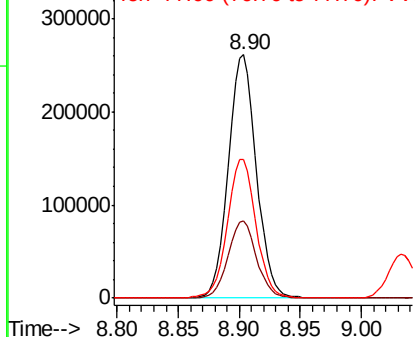


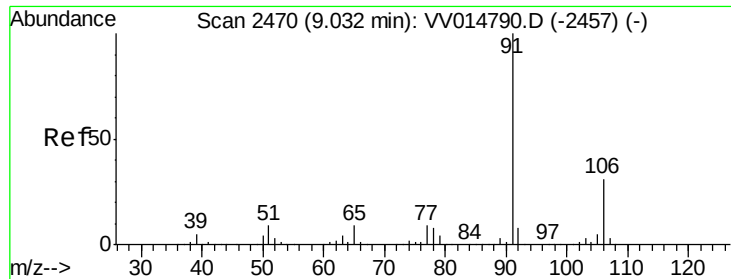
#51
Chlorobenzene
Concen: 48.887 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.1	41.1
77	56.7	47.8	71.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 56.997 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :

MSVOA_V

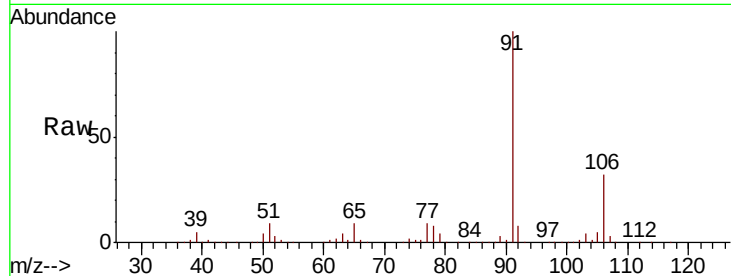
ClientSampleId :

Tot Ion: 91 Resp: 858000

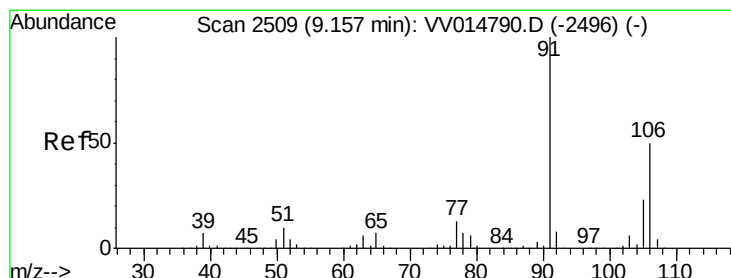
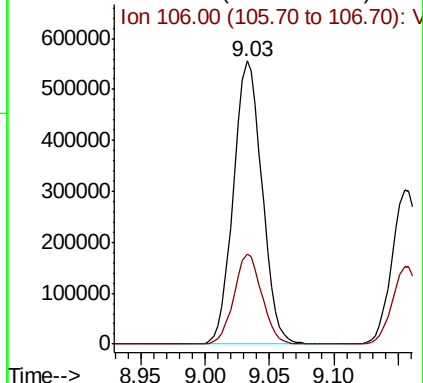
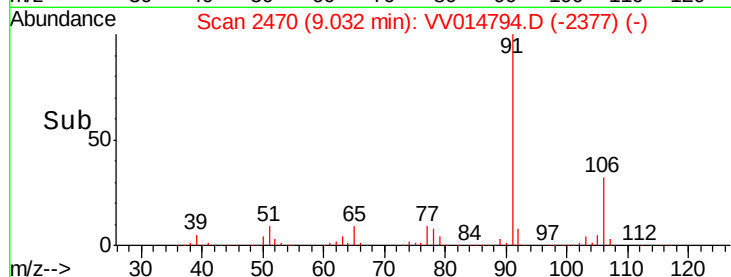
Ion Ratio Lower Upper

91 100

106 31.9 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VV014794.D (-2377) (-)



#53

m,p-Xylene

Concen: 41.020 ug/L

RT: 9.15 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VV014794.D

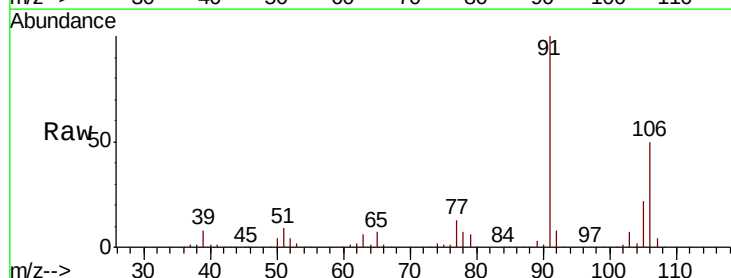
Acq: 10 Mar 2020 11:43

Tgt Ion: 106 Resp: 231731

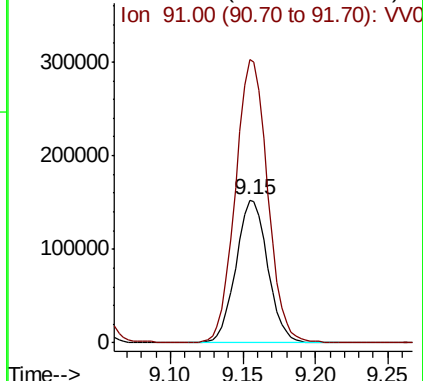
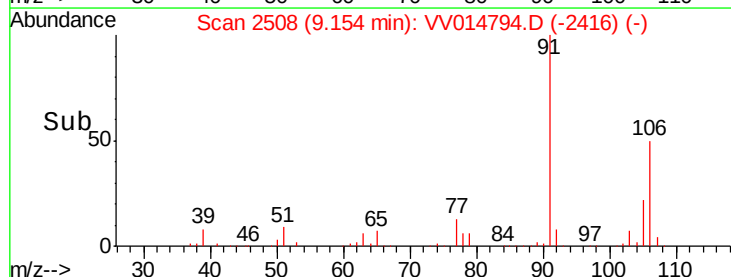
Ion Ratio Lower Upper

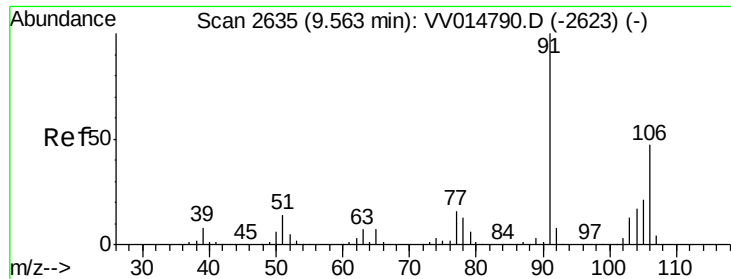
106 100

91 198.2 145.1 269.5



Abundance Ion 106.00 (105.70 to 106.70): VV014794.D (-2416) (-)

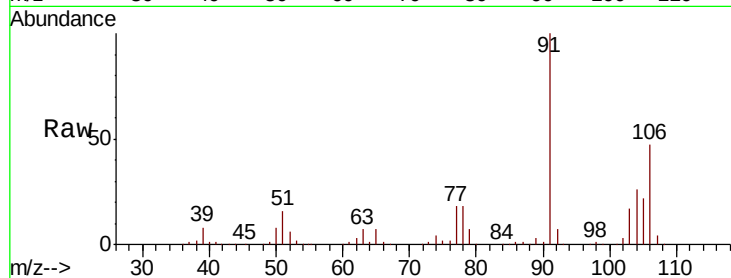




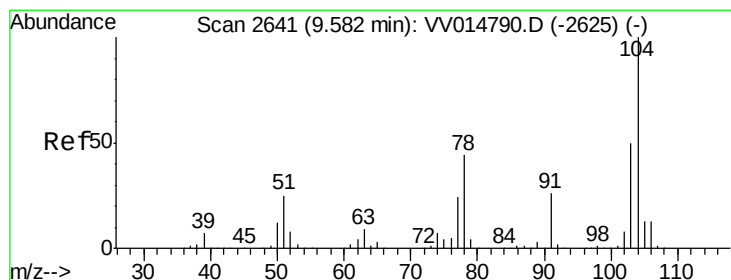
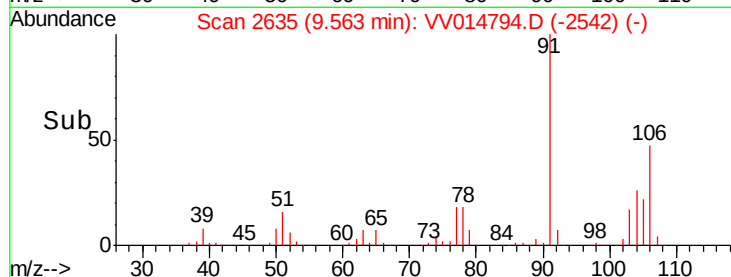
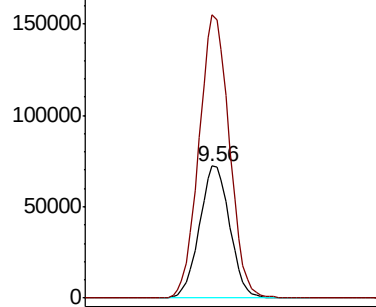
#54
o-xylene
Concen: 20.146 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 111794
Ion Ratio Lower Upper
106 100
91 214.8 152.5 283.3

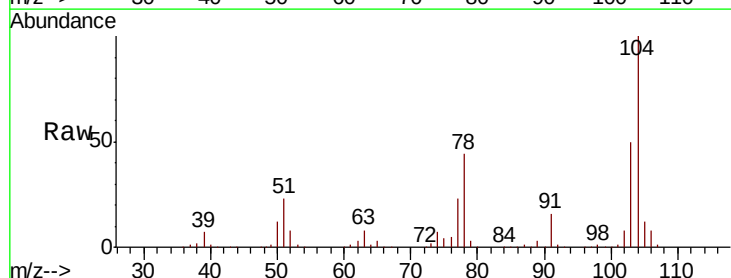


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

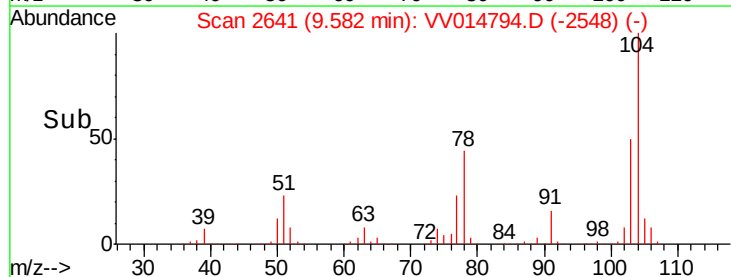
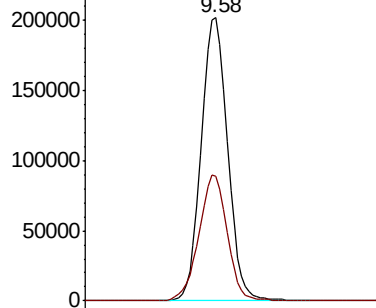


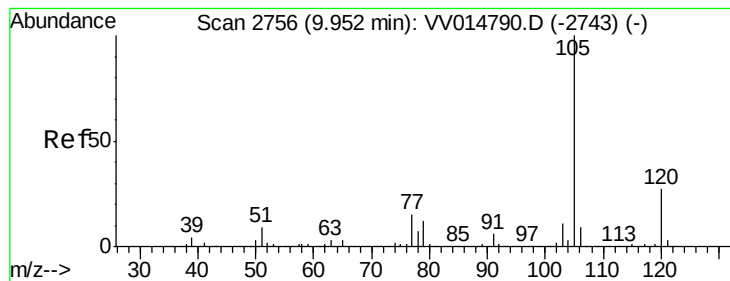
#55
Styrene
Concen: 33.361 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014794.D
Acq: 10 Mar 2020 11:43

Tgt Ion:104 Resp: 316571
Ion Ratio Lower Upper
104 100
78 43.9 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: 39.361 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :
MSVOA_V
ClientSampled :

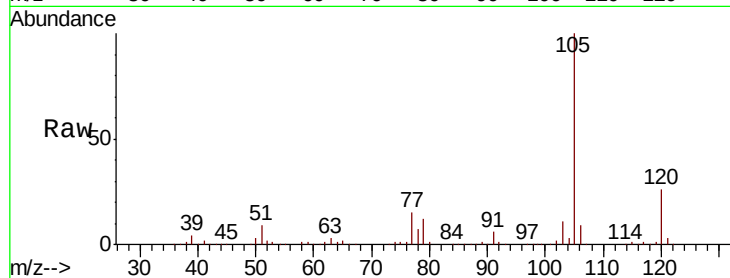
Tot Ion:105 Resp: 585005

Ion Ratio Lower Upper

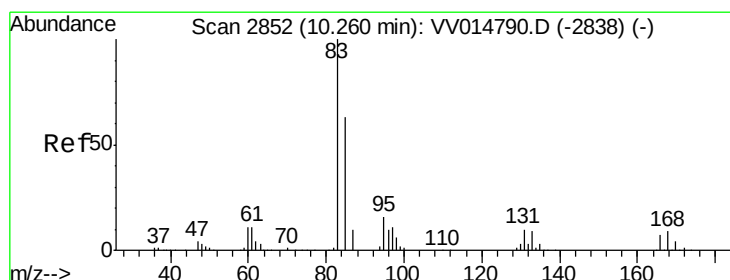
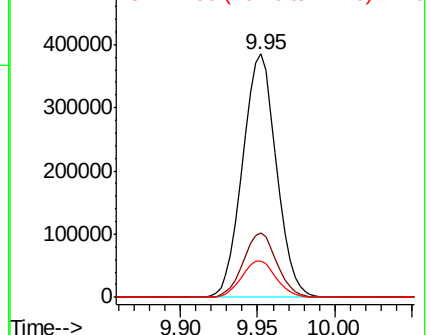
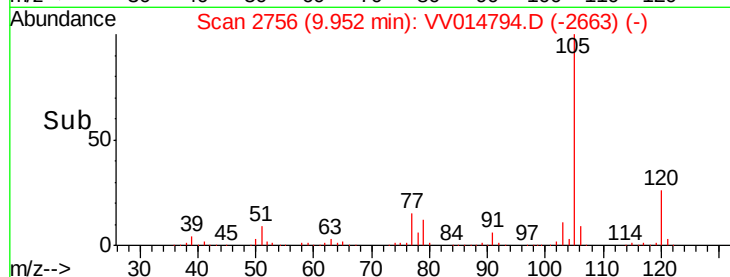
105 100

120 26.2 20.6 31.0

77 15.3 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: 70.944 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

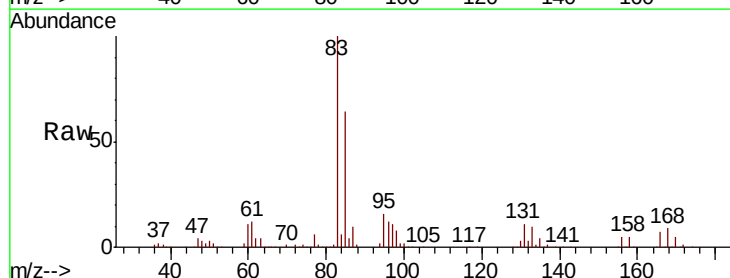
Tgt Ion: 83 Resp: 368335

Ion Ratio Lower Upper

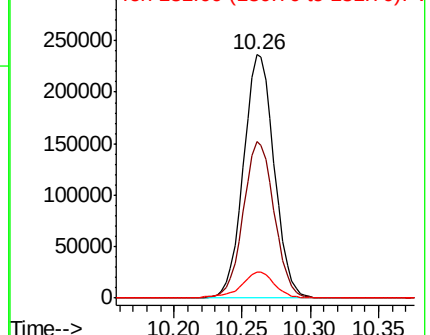
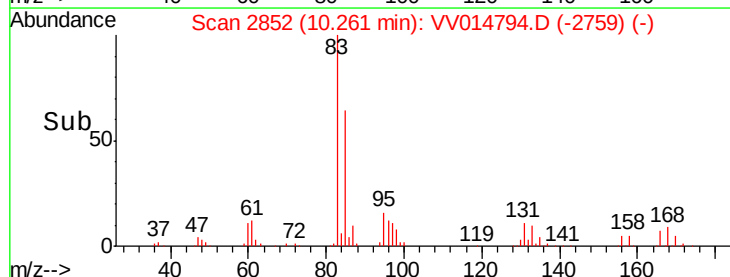
83 100

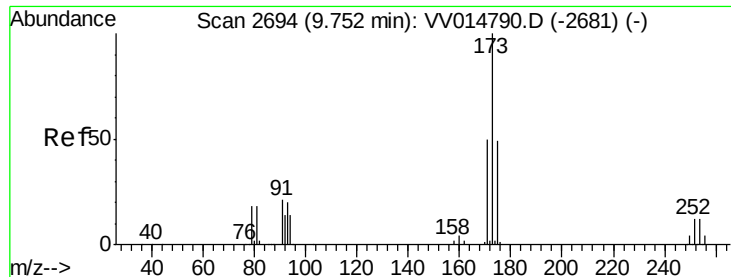
85 64.1 44.4 82.5

131 10.8 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





#61

Bromoform

Concen: 15.718 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :
MSVOA_V
ClientSampleId :

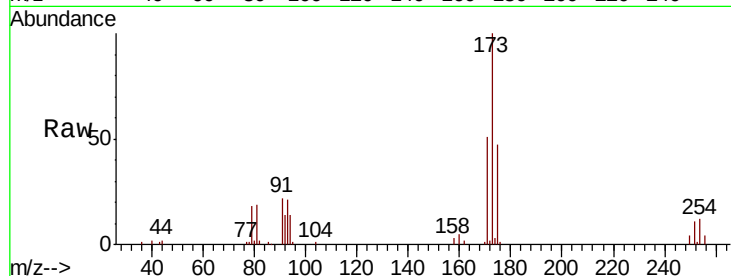
Tot Ion:173 Resp: 36698

Ion Ratio Lower Upper

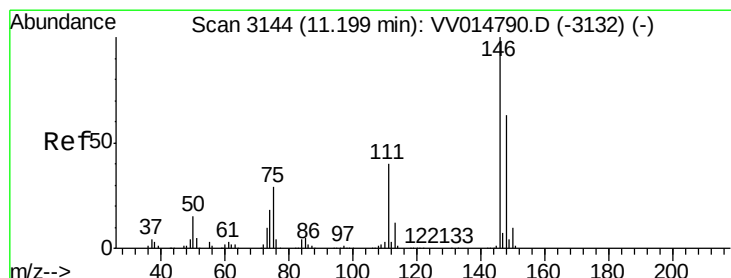
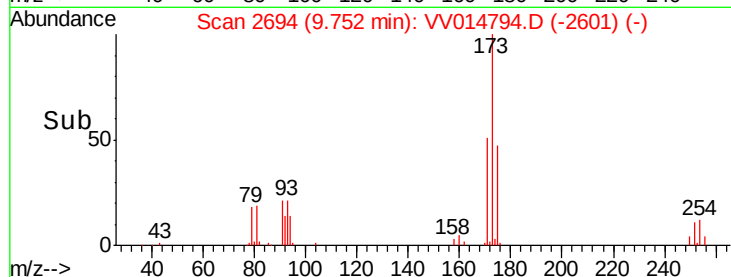
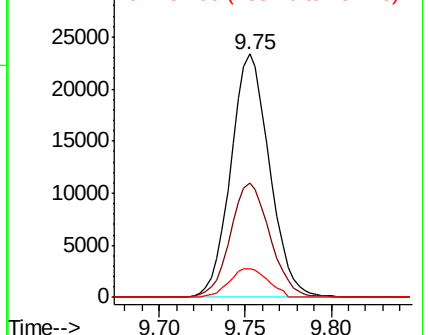
173 100

175 48.2 39.0 58.4

254 11.9 8.6 13.0



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: 19.652 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

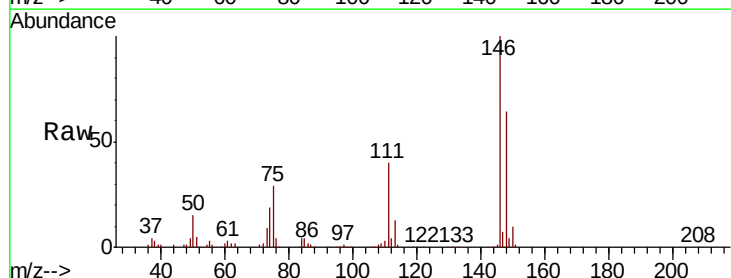
Tgt Ion:146 Resp: 136768

Ion Ratio Lower Upper

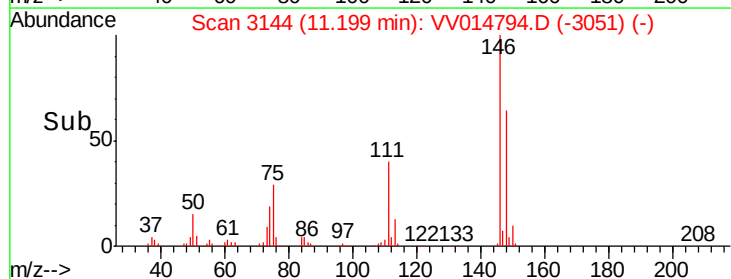
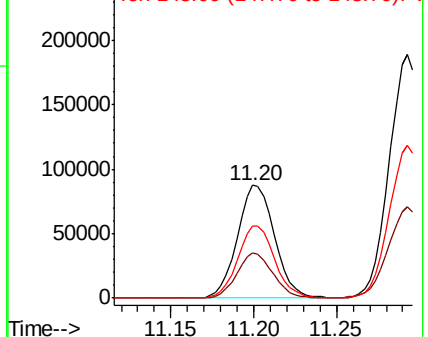
146 100

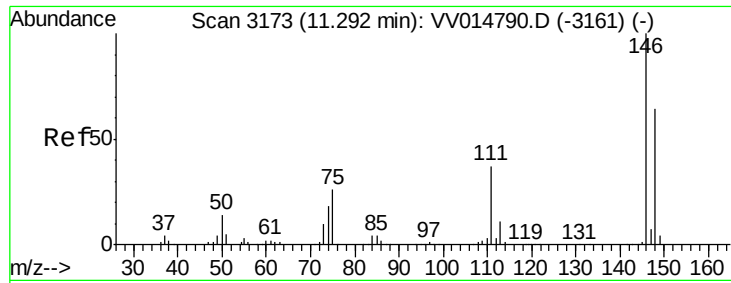
111 39.7 27.2 50.4

148 64.0 44.2 82.2



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

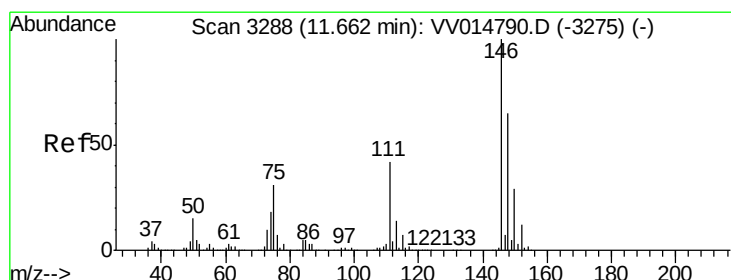
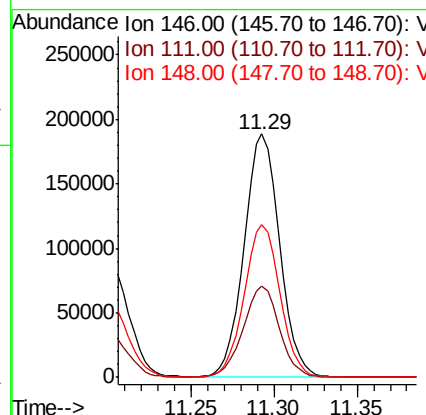
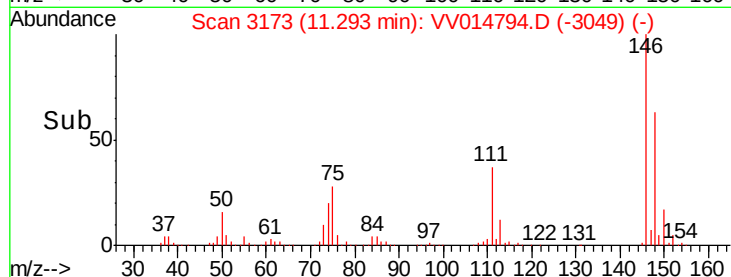
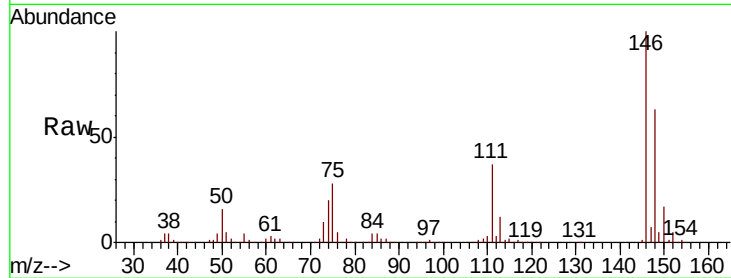




#63
 1,4-Dichlorobenzene
 Concen: 39.955 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014794.D
 Acq: 10 Mar 2020 11:43

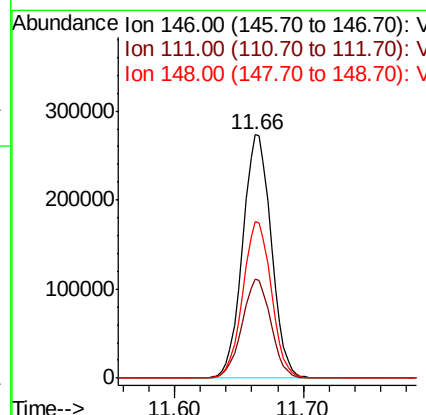
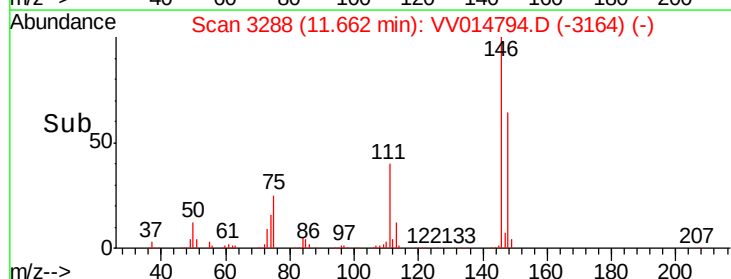
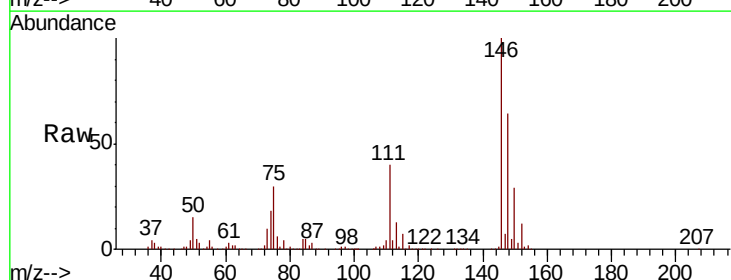
Instrument :
 MSVOA_V
 ClientSampleId :

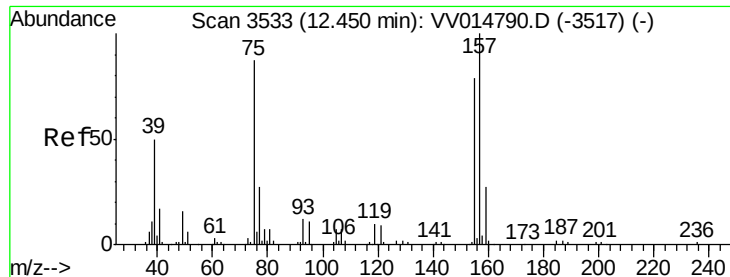
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.3	48.9
148	62.9	44.0	81.8



#65
 1,2-Dichlorobenzene
 Concen: 60.949 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV014794.D
 Acq: 10 Mar 2020 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.9	50.9
148	64.2	51.4	77.0





#66

1,2-Dibromo-3-chloropropane

Concen: 70.968 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Instrument :

MSVOA_V

ClientSampleId :

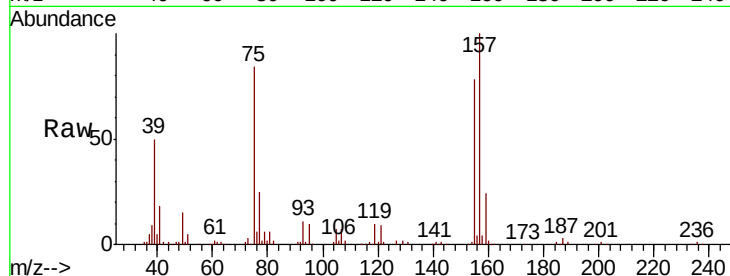
Tot Ion: 75 Resp: 83454

Ion Ratio Lower Upper

75 100

155 92.2 66.4 99.6

157 118.5 86.1 129.1

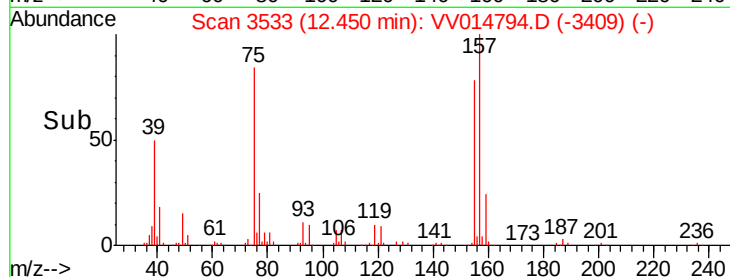


Abundance Ion 75.00 (74.70 to 75.70): VV014790.D (-3517) (-)

Ion 155.00 (154.70 to 155.70): VV014790.D (-3517) (-)

Ion 157.00 (156.70 to 157.70): VV014790.D (-3517) (-)

Time-->



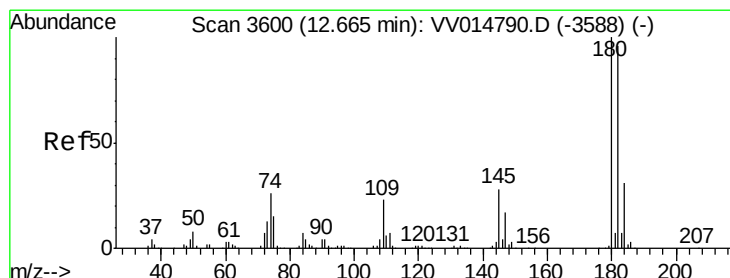
Abundance

Ion 75.00 (74.70 to 75.70): VV014794.D (-3409) (-)

Ion 155.00 (154.70 to 155.70): VV014794.D (-3409) (-)

Ion 157.00 (156.70 to 157.70): VV014794.D (-3409) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 48.447 ug/L

RT: 12.67 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VV014794.D

Acq: 10 Mar 2020 11:43

Tgt Ion: 180 Resp: 260764

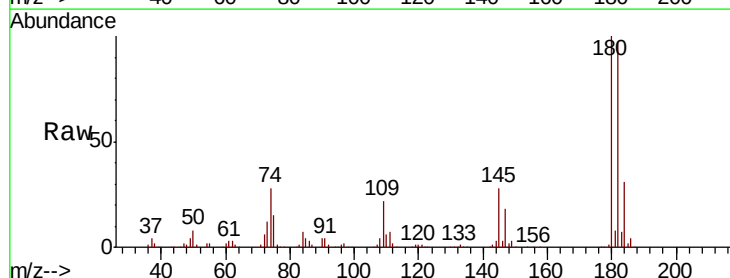
Ion Ratio Lower Upper

180 100

182 95.9 75.6 113.4

184 30.7 24.8 37.2

145 28.5 23.3 34.9



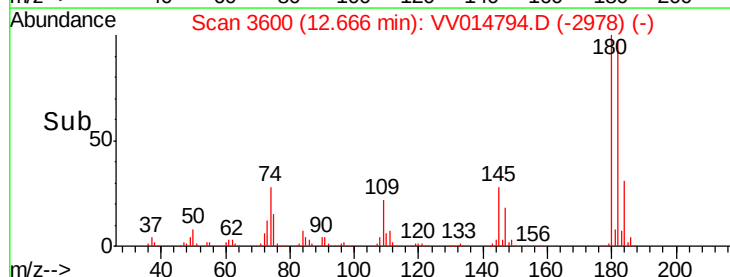
Abundance Ion 180.00 (179.70 to 180.70): VV014790.D (-3588) (-)

Ion 182.00 (181.70 to 182.70): VV014790.D (-3588) (-)

Ion 184.00 (183.70 to 184.70): VV014790.D (-3588) (-)

Ion 145.00 (144.70 to 145.70): VV014790.D (-3588) (-)

Time-->



Abundance

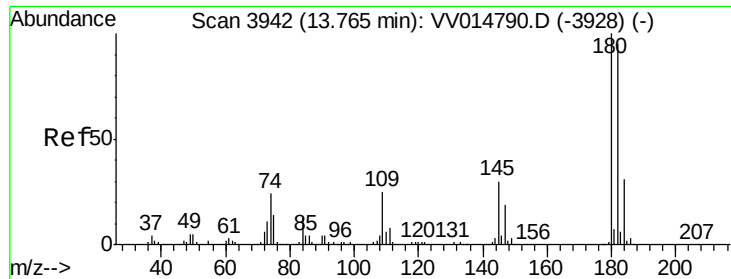
Ion 180.00 (179.70 to 180.70): VV014794.D (-2978) (-)

Ion 182.00 (181.70 to 182.70): VV014794.D (-2978) (-)

Ion 184.00 (183.70 to 184.70): VV014794.D (-2978) (-)

Ion 145.00 (144.70 to 145.70): VV014794.D (-2978) (-)

Time-->



#70
 1,2,3-Trichlorobenzene
 Concen: 36.952 ug/L
 RT: 13.76 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VV014794.D
 Acq: 10 Mar 2020 11:43

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	97.5	76.5	114.7	
145	30.9	25.0	37.4	

