

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014762.D
 Acq On : 06 Mar 2020 17:24
 Operator : SY/MD
 Sample : VSTD05064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 06 22:44:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	460558	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	456847	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	244809	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	158926	75.96	ug/L	0.00
7) Chloroethane-d5	1.58	69	122755	79.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	262529	70.13	ug/L	0.00
21) 2-Butanone-d5	3.94	46	249108	136.91	ug/L	0.00
24) Chloroform-d	4.38	84	296544	50.33	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	203877	53.39	ug/L	0.00
32) Benzene-d6	5.08	84	624943	51.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	202986	56.05	ug/L	0.00
41) Toluene-d8	7.34	98	612722	52.29	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	102113	51.31	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	185772	125.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	280999	56.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	243603	50.67	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	226521	64.338	ug/L 100
3) Chloromethane	1.25	50	197485	89.869	ug/L 100
5) Vinyl chloride	1.32	62	185012	86.247	ug/L 100
6) Bromomethane	1.53	94	114340	89.600	ug/L 100
8) Chloroethane	1.60	64	100295	84.978	ug/L 100
9) Trichlorofluoromethane	1.77	101	246042	61.161	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	124954	71.195	ug/L 100
12) 1,1-Dichloroethene	2.13	96	124938	76.482	ug/L 100
13) Acetone	2.23	43	199915	126.551	ug/L 100
14) Carbon disulfide	2.31	76	409113	60.356	ug/L 100
15) Methyl Acetate	2.46	43	186167	68.639	ug/L 100
16) Methylene chloride	2.53	84	167982	55.446	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	156065	55.522	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	508699	54.226	ug/L 100
19) 1,1-Dichloroethane	3.22	63	304079	58.784	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	174207	53.935	ug/L 100
22) 2-Butanone	4.02	43	281975	137.337	ug/L 100
23) Bromochloromethane	4.28	128	87066	53.368	ug/L 100
25) Chloroform	4.41	83	322320	54.854	ug/L 100
27) 1,2-Dichloroethane	5.16	62	241842	56.060	ug/L 100
29) Cyclohexane	4.71	56	283663	62.172	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	261937	49.209	ug/L 100
31) Carbon tetrachloride	4.86	117	225817	48.172	ug/L 100
33) Benzene	5.13	78	668379	55.061	ug/L 100
34) Trichloroethene	5.94	95	171891	49.494	ug/L 100
35) Methylcyclohexane	6.16	83	285379	56.511	ug/L 100
37) 1,2-Dichloropropane	6.20	63	181160	59.801	ug/L 100
38) Bromodichloromethane	6.53	83	228336	50.989	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	279191	53.386	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	525088	134.830	ug/L 100

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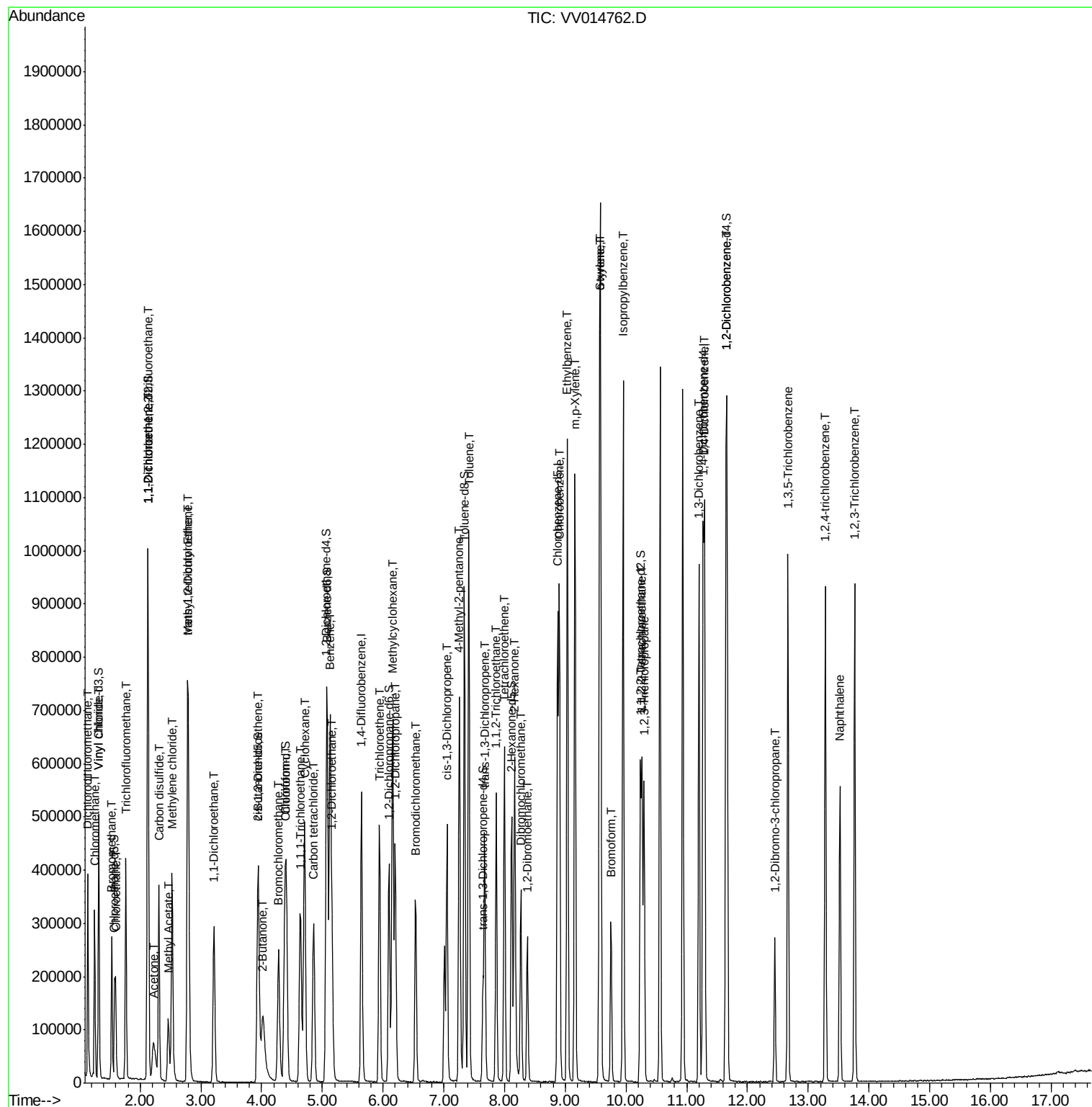
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	736880	56.020	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	260126	54.587	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	162626	52.147	ug/L	100
46) Tetrachloroethene	8.00	164	140013	54.854	ug/L	100
48) 2-Hexanone	8.16	43	426975	139.135	ug/L	100
49) Dibromochloromethane	8.27	129	181046	49.529	ug/L	100
50) 1,2-Dibromoethane	8.38	107	178478	51.804	ug/L	100
51) Chlorobenzene	8.90	112	471150	53.073	ug/L	100
52) Ethylbenzene	9.03	91	835682	55.516	ug/L	100
53) m,p-Xylene	9.16	106	312228	54.133	ug/L	100
54) o-xylene	9.57	106	309243	54.782	ug/L	100
55) Styrene	9.58	104	537304	56.815	ug/L	100
56) Isopropylbenzene	9.95	105	820504	55.041	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	282463	57.388	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	229158	56.729	ug/L	100
61) Bromoform	9.75	173	131410	49.696	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	396264	53.109	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	402683	52.578	ug/L	100
65) 1,2-Dichlorobenzene	11.66	146	388312	52.348	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	66497	52.856	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	301504	54.473	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	279480	53.953	ug/L	100
69) Naphthalene	13.52	128	427115	27.808	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	282162	53.046	ug/L	100

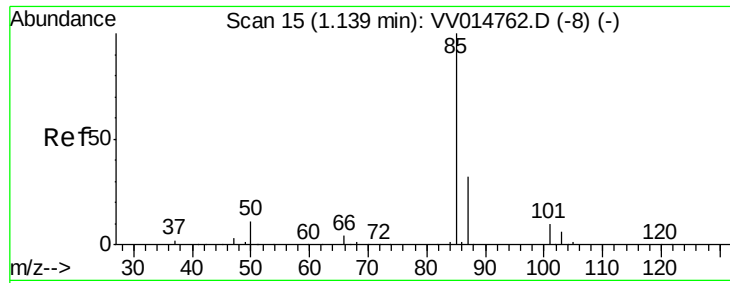
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 64.338 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

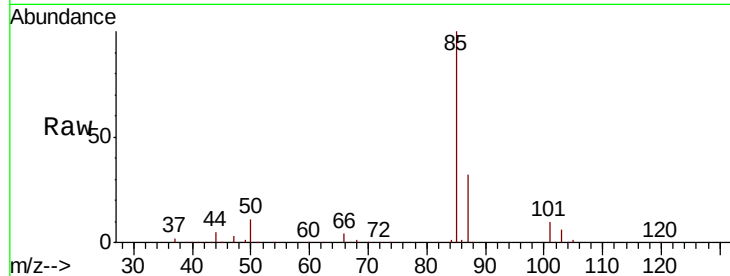
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 226521

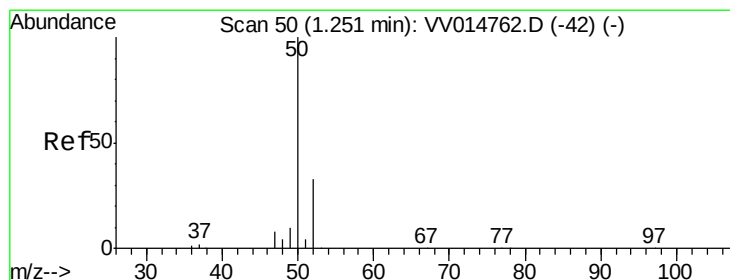
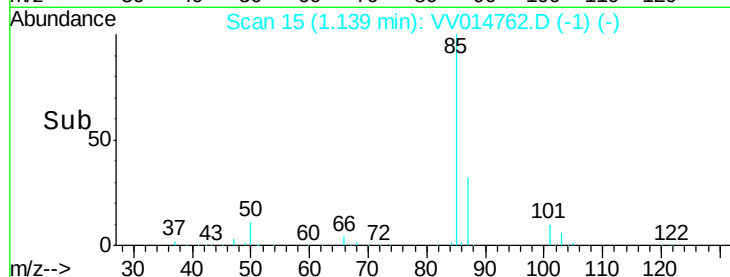
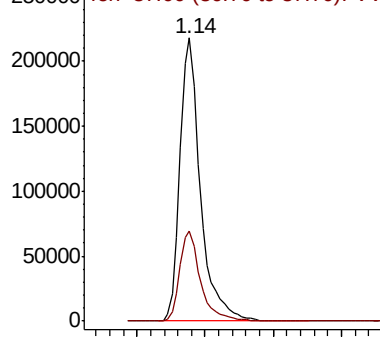
Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



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



#3

Chloromethane

Concen: 89.869 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014762.D

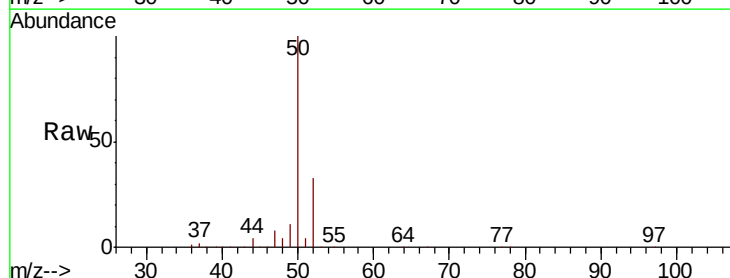
Acq: 06 Mar 2020 17:24

Tgt Ion: 50 Resp: 197485

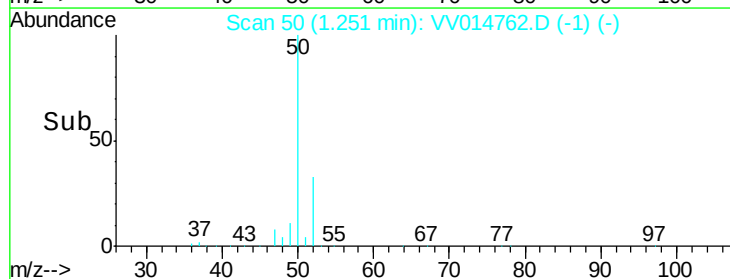
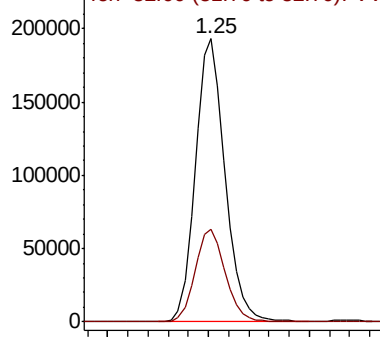
Ion Ratio Lower Upper

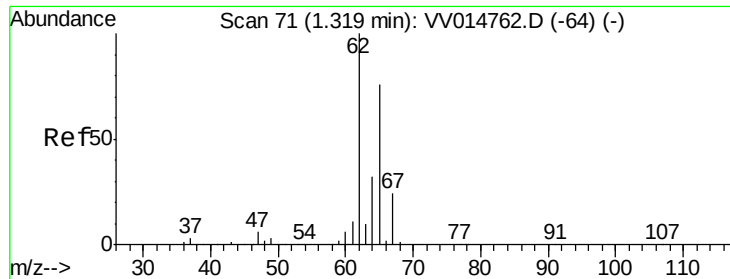
50 100

52 32.7 22.9 42.5



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





#5

Vinyl chloride

Concen: 86.247 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :

MSVOA_V

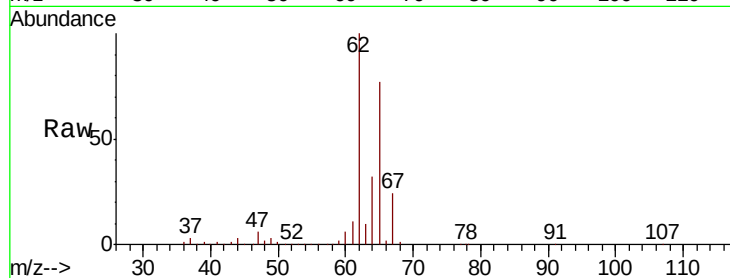
ClientSampleId :

Tot Ion: 62 Resp: 185012

Ion Ratio Lower Upper

62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

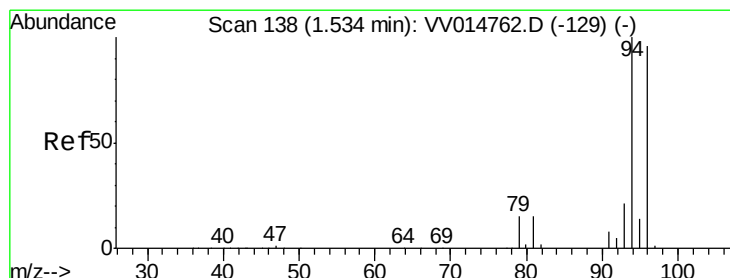
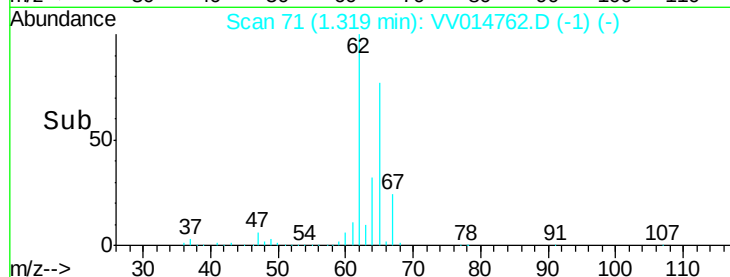
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 89.600 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014762.D

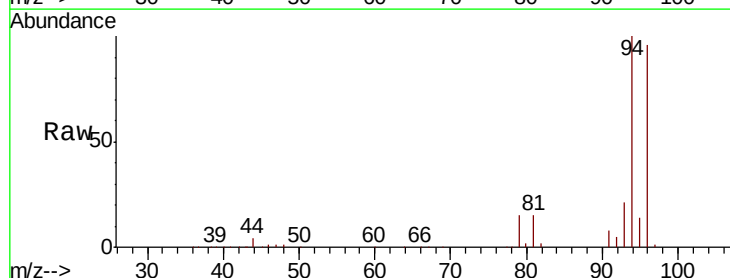
Acq: 06 Mar 2020 17:24

Tgt Ion: 94 Resp: 114340

Ion Ratio Lower Upper

94 100

96 96.0 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

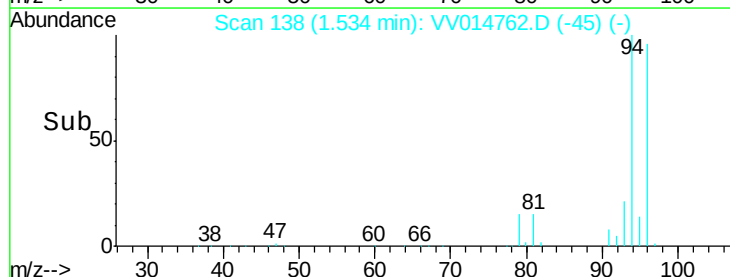
60000

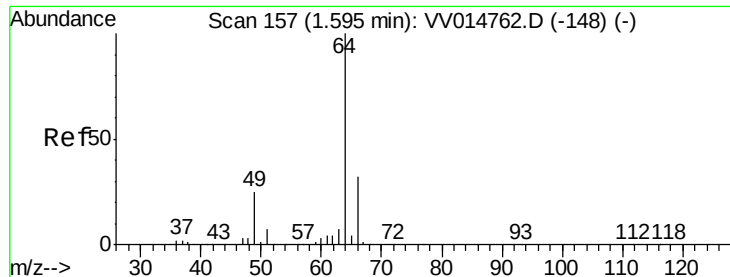
40000

20000

0

Time-->





#8

Chloroethane

Concen: 84.978 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

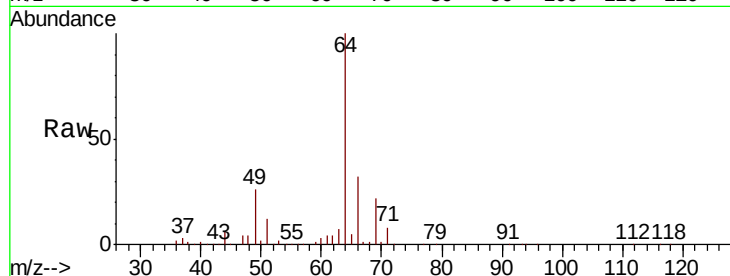
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 100295

Ion Ratio Lower Upper

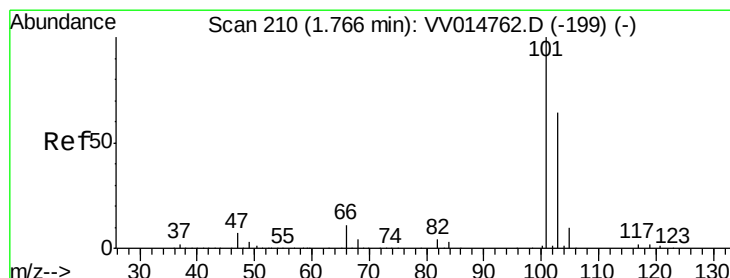
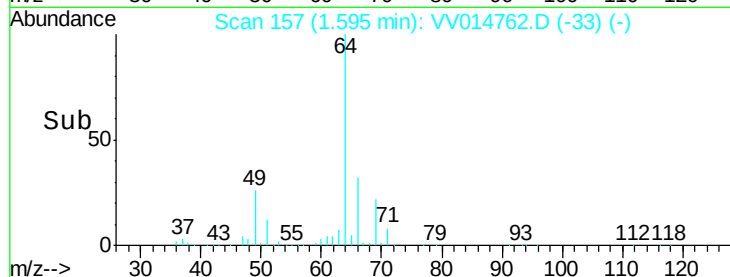
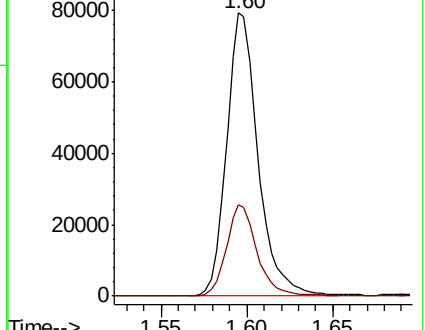
64 100

66 32.3 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014762.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV014762.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 61.161 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV014762.D

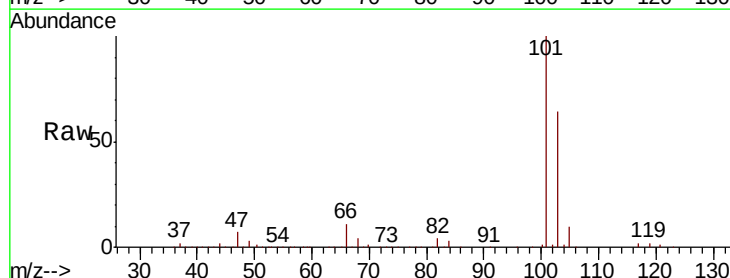
Acq: 06 Mar 2020 17:24

Tgt Ion:101 Resp: 246042

Ion Ratio Lower Upper

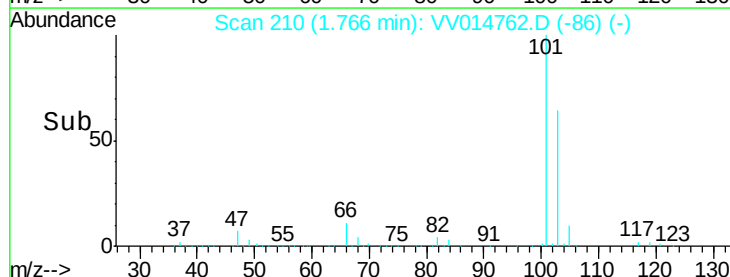
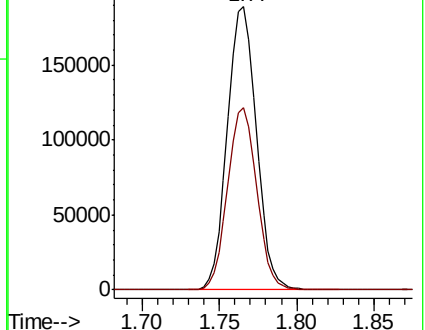
101 100

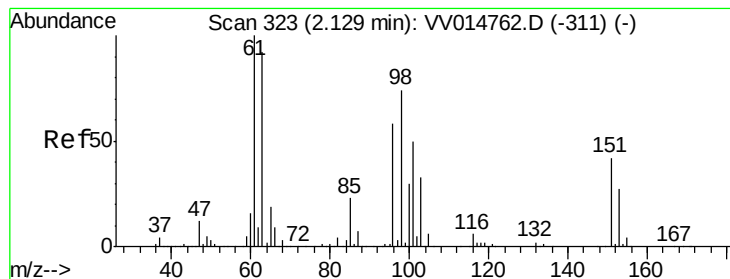
103 64.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014762.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014762.D (-199) (-)





#10

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

Concen: 71.195 ug/L

RT: 2.13 min Scan# 323

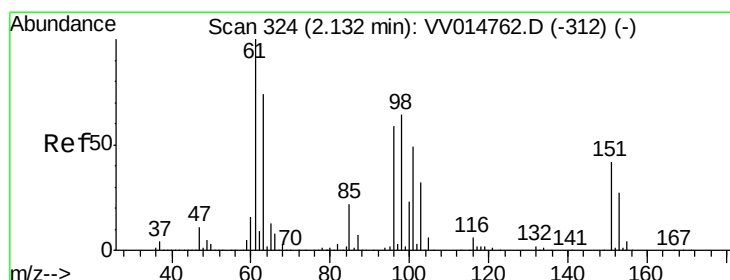
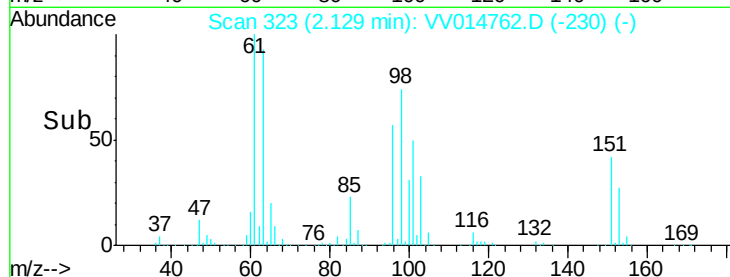
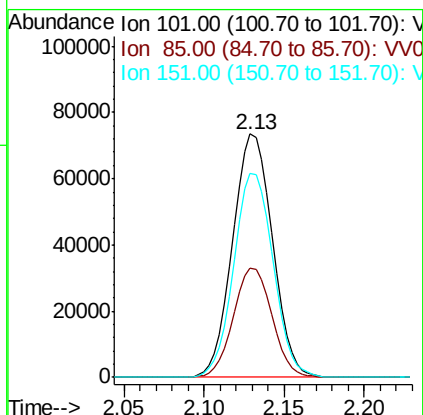
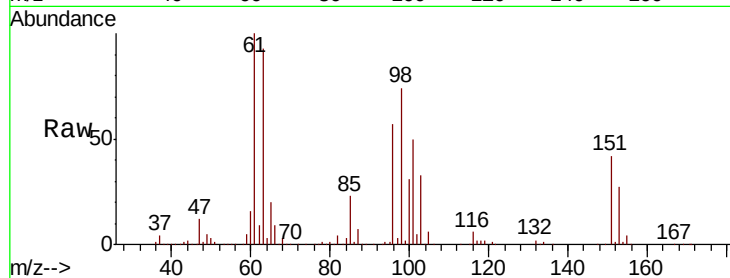
Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	101	Resp:	124954
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.0	52.6
151	83.0	66.4	99.6



#12

1,1-Dichloroethene

Concen: 76.482 ug/L

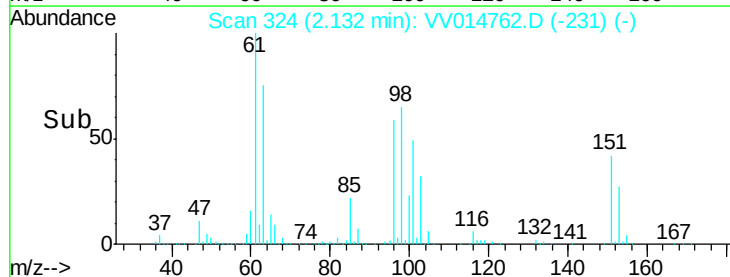
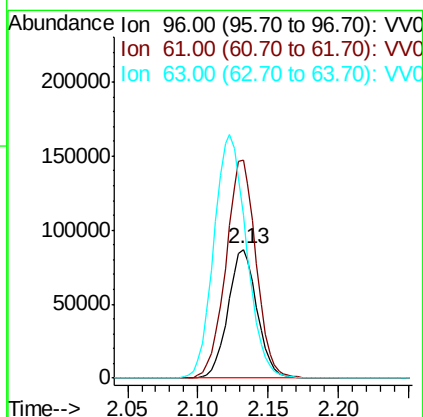
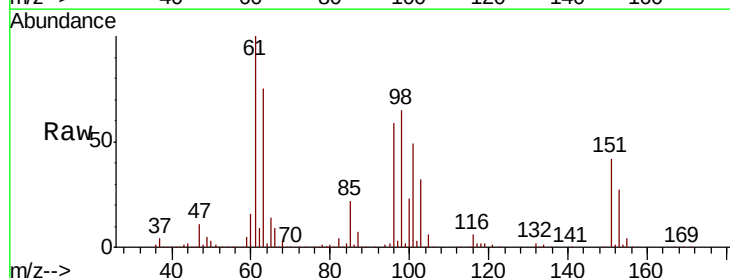
RT: 2.13 min Scan# 324

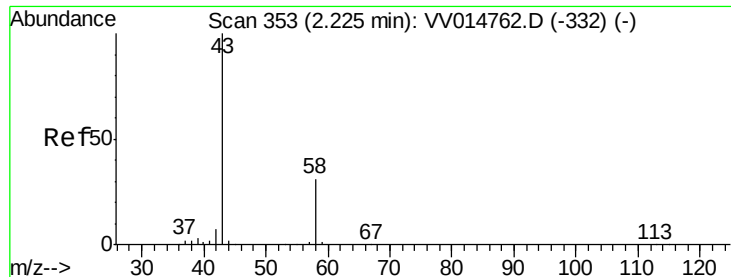
Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Tgt Ion:	96	Resp:	124938
Ion	Ratio	Lower	Upper
96	100		
61	169.2	118.4	220.0
63	126.3	88.4	164.2





#13

Acetone

Concen: 126.551 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

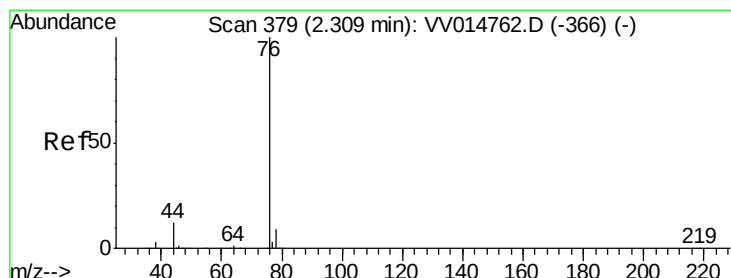
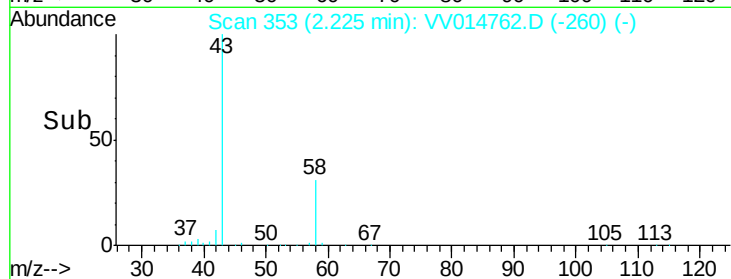
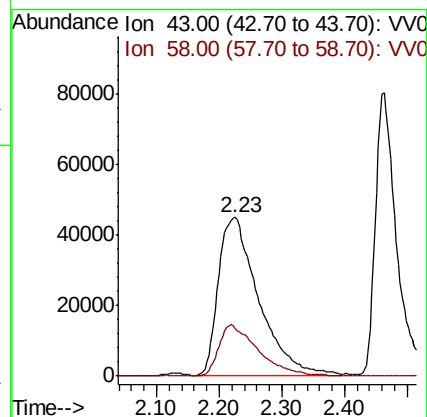
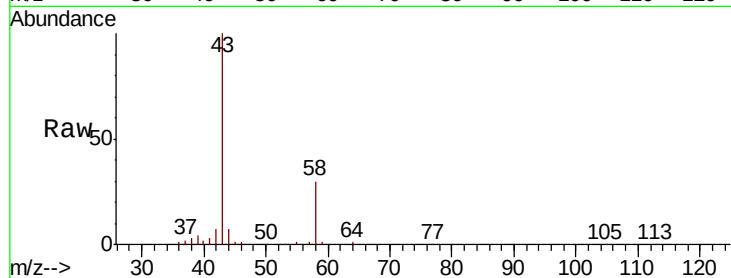
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 199915

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.2



#14

Carbon disulfide

Concen: 60.356 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV014762.D

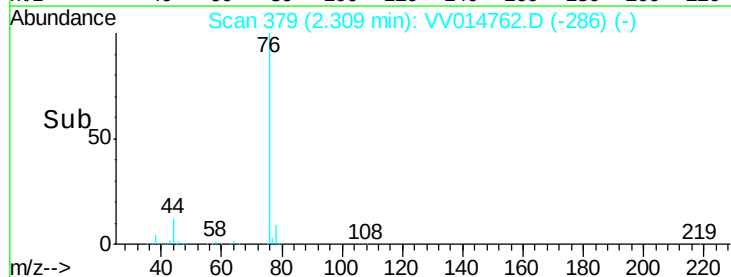
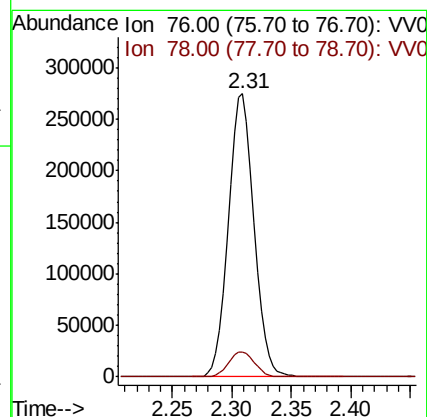
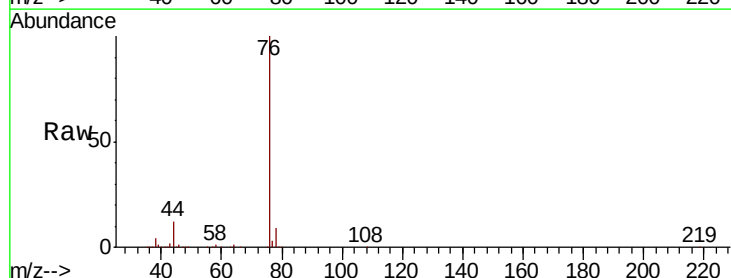
Acq: 06 Mar 2020 17:24

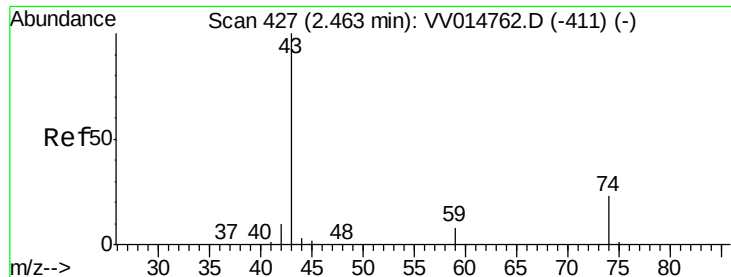
Tgt Ion: 76 Resp: 409113

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

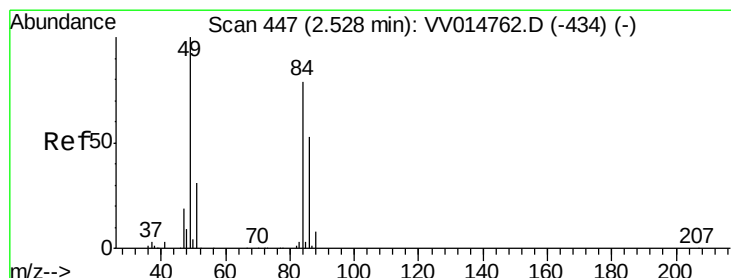
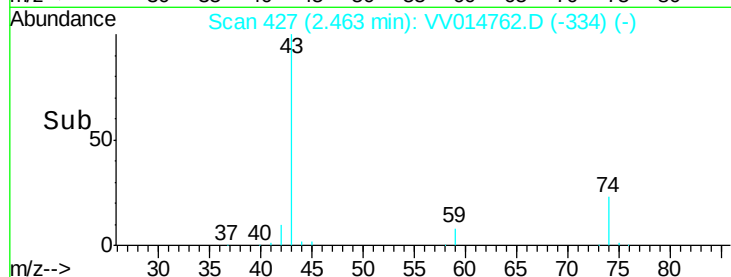
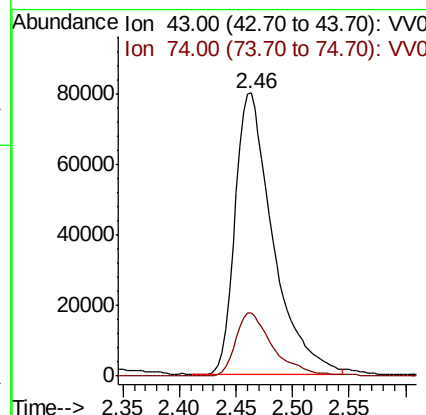
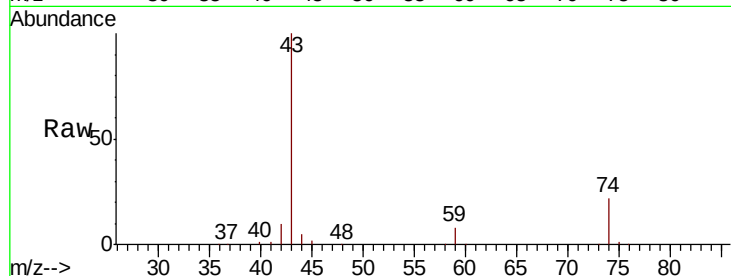




#15
Methvl Acetate
Concen: 68.639 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

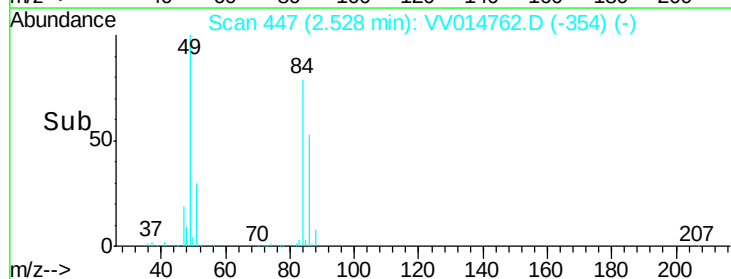
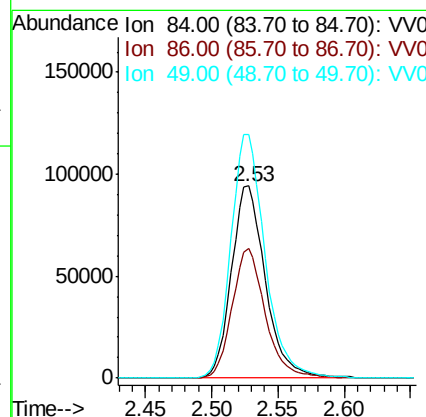
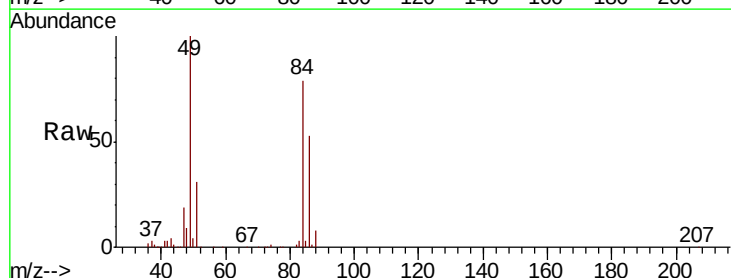
Instrument :
MSVOA_V
ClientSampleId :

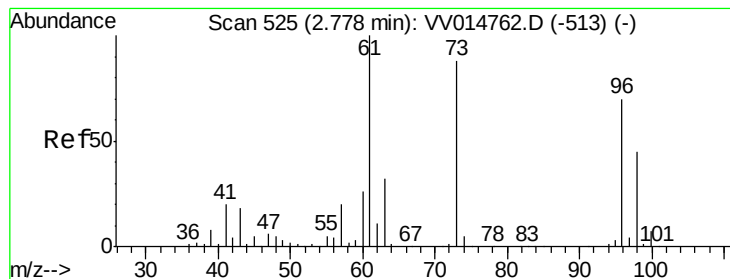
Tot Ion: 43 Resp: 186167
Ion Ratio Lower Upper
43 100
74 22.4 17.9 26.9



#16
Methylene chloride
Concen: 55.446 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Tgt Ion: 84 Resp: 167982
Ion Ratio Lower Upper
84 100
86 67.6 47.3 87.9
49 126.7 88.7 164.7





#17

trans-1,2-Dichloroethene

Concen: 55.522 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

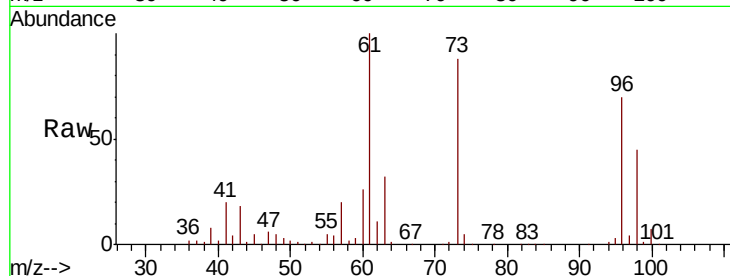
Tot Ion: 96 Resp: 156065

Ion Ratio Lower Upper

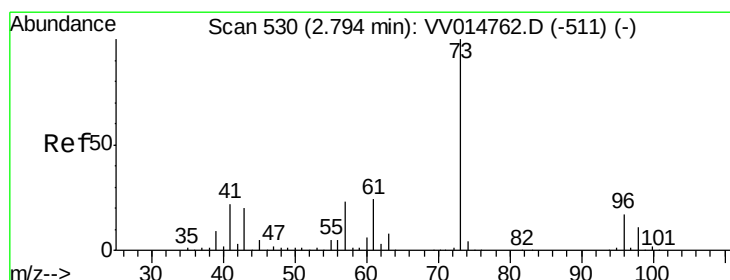
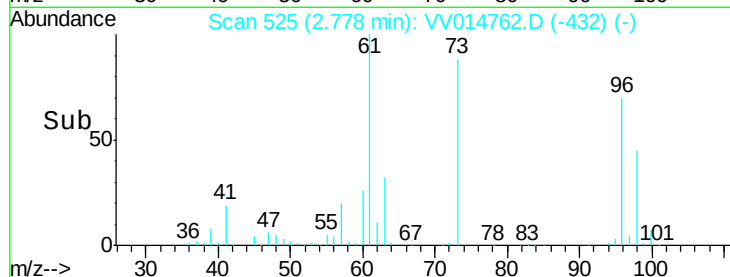
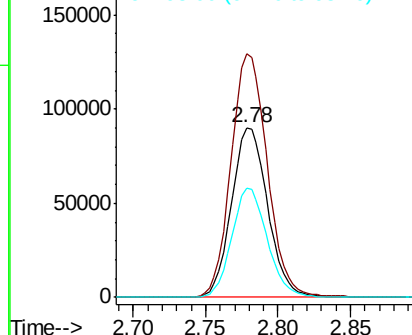
96 100

61 143.6 100.5 186.7

98 64.4 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: 54.226 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

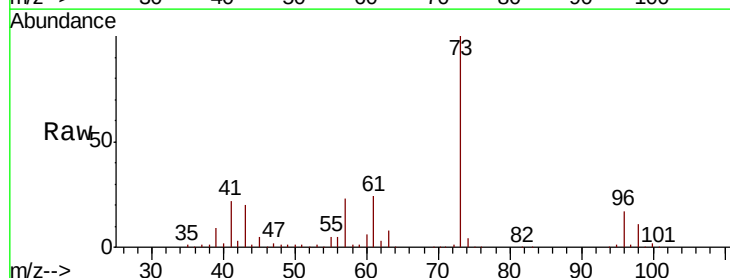
Tgt Ion: 73 Resp: 508699

Ion Ratio Lower Upper

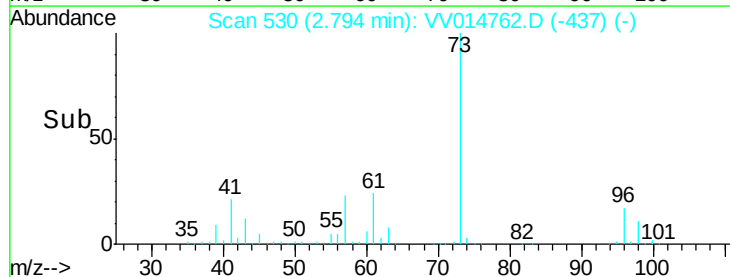
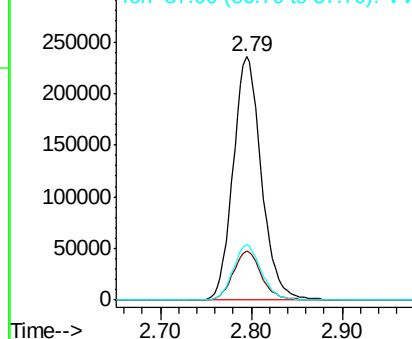
73 100

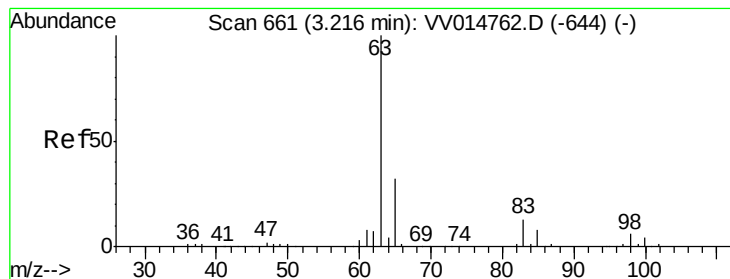
43 19.9 15.9 23.9

57 22.5 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: 58.784 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :

MSVOA_V

ClientSampleId :

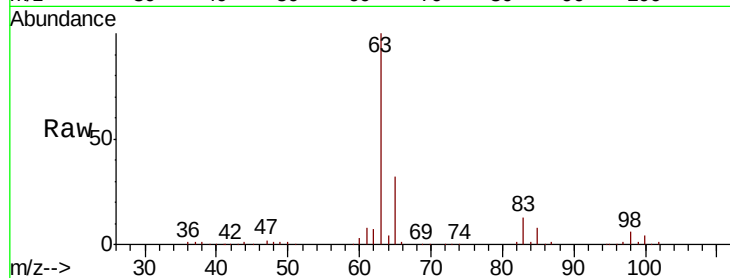
Tot Ion: 63 Resp: 304079

Ion Ratio Lower Upper

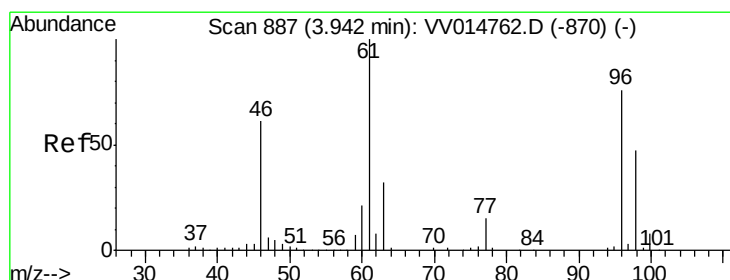
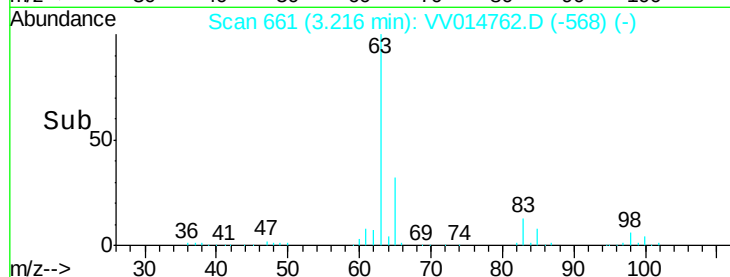
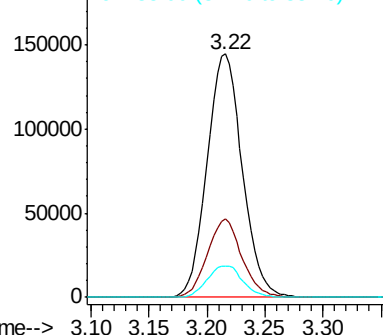
63 100

65 32.1 22.5 41.7

83 13.0 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: 53.935 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

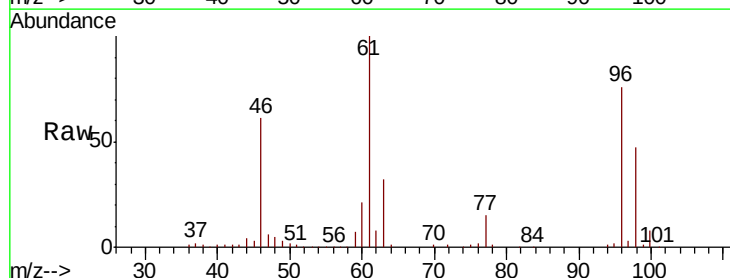
Tgt Ion: 96 Resp: 174207

Ion Ratio Lower Upper

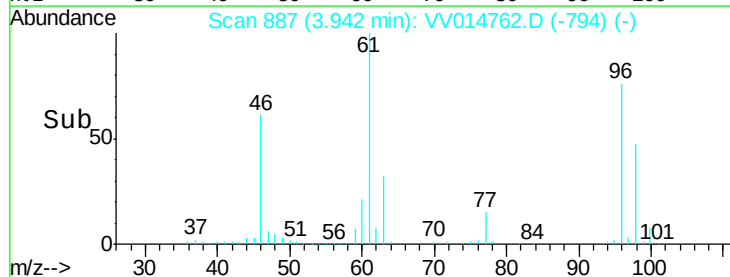
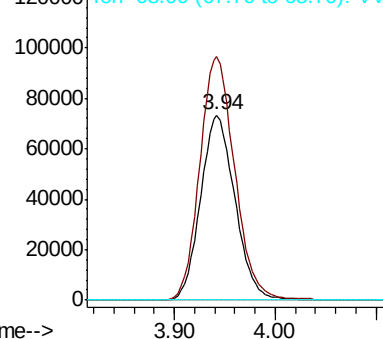
96 100

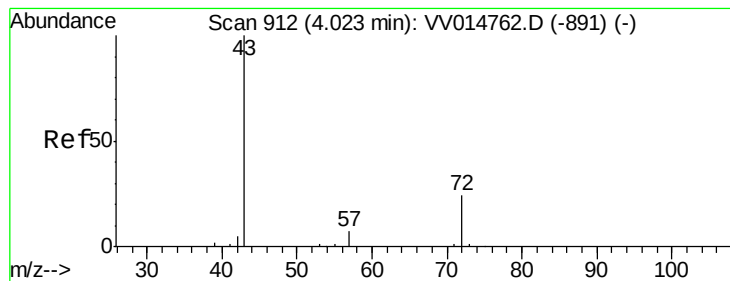
61 131.7 92.2 171.2

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





#22

2-Butanone

Concen: 137.337 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

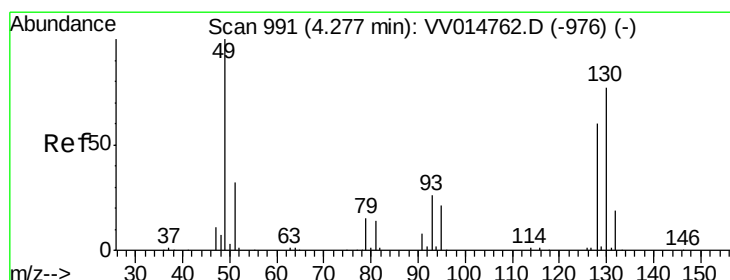
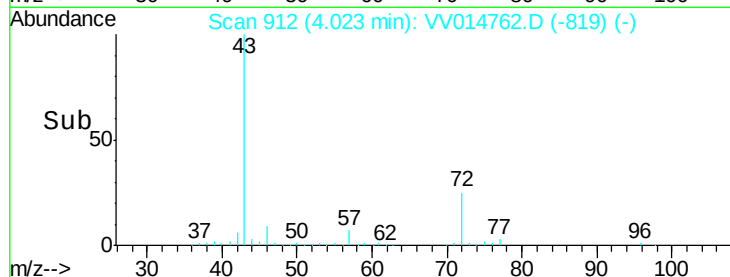
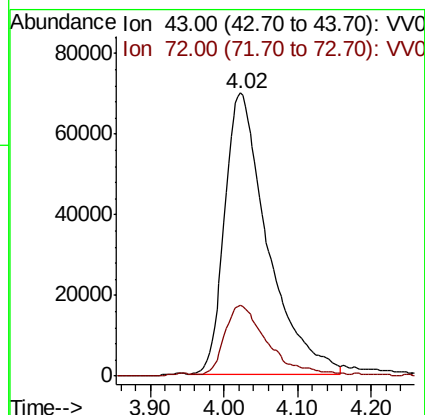
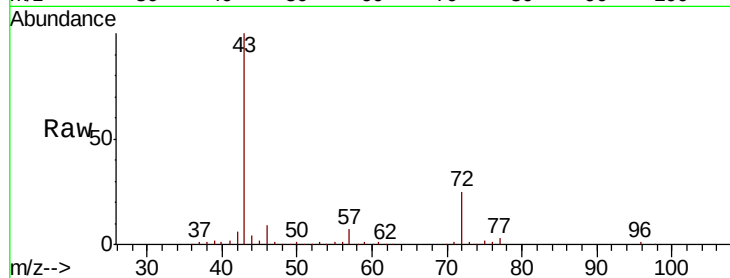
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 281975

Ion Ratio Lower Upper

43 100

72 24.0 12.0 36.0



#23

Bromochloromethane

Concen: 53.368 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Tgt Ion:128 Resp: 87066

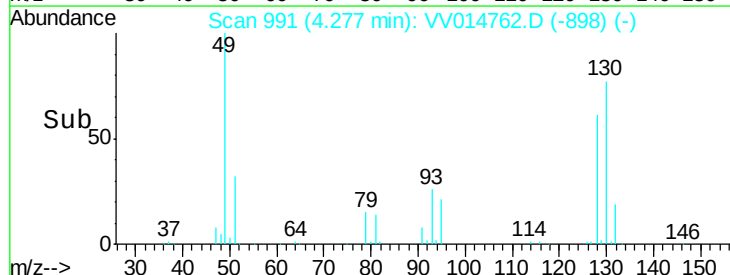
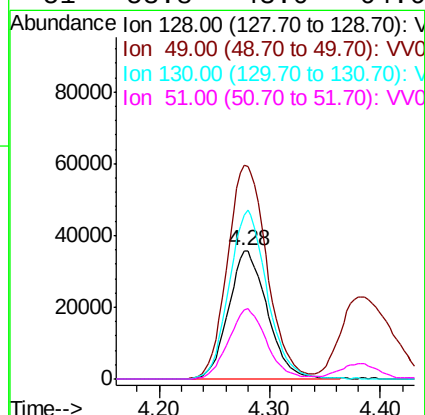
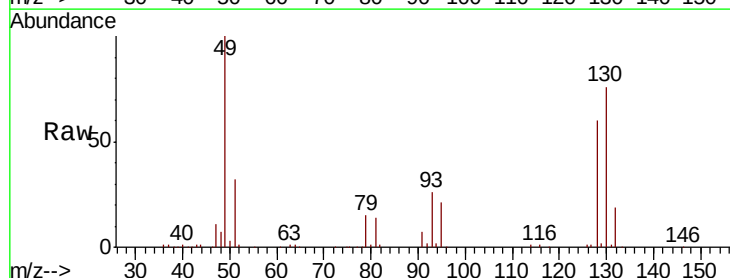
Ion Ratio Lower Upper

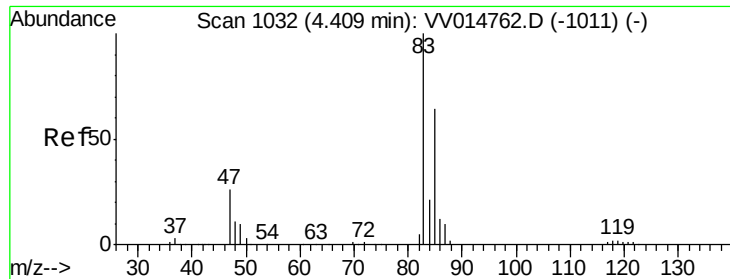
128 100

49 166.1 116.3 215.9

130 127.0 88.9 165.1

51 53.8 43.0 64.6

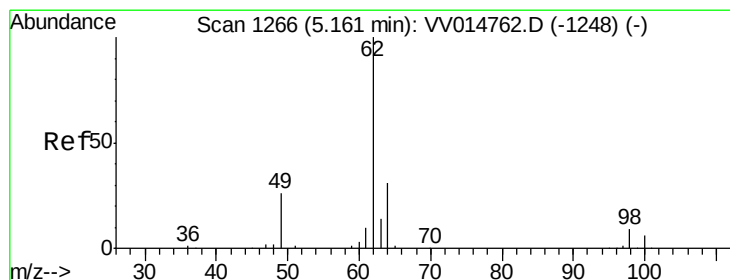
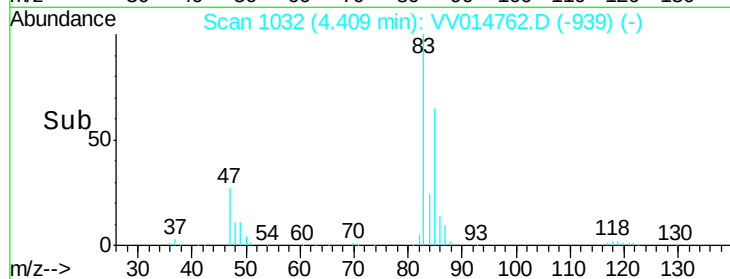
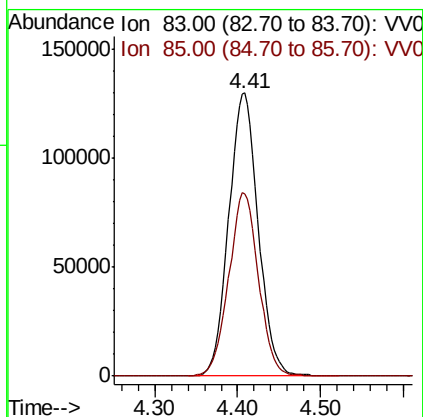
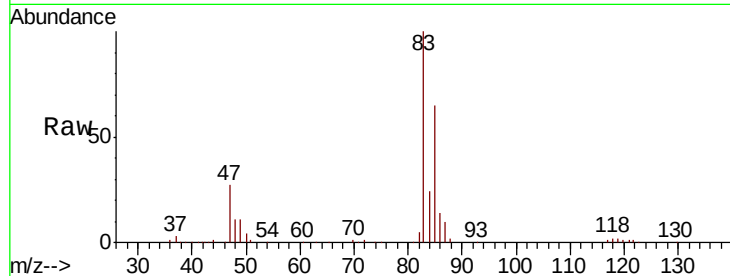




#25
Chloroform
Concen: 54.854 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

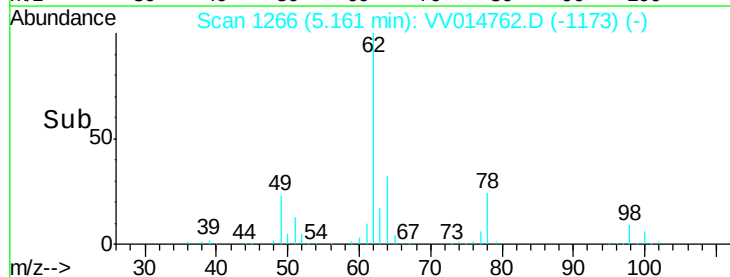
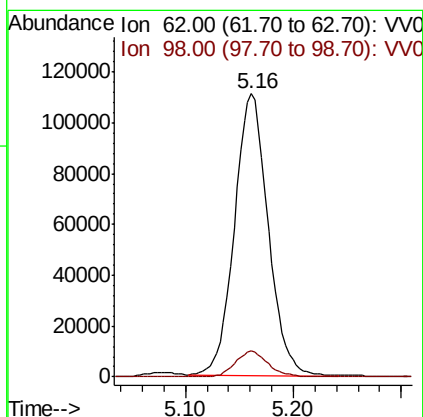
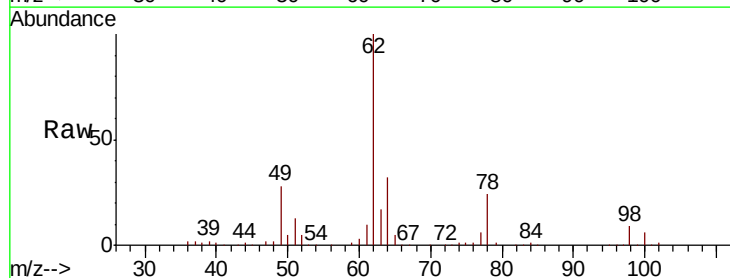
Instrument :
MSVOA_V
ClientSampleId :

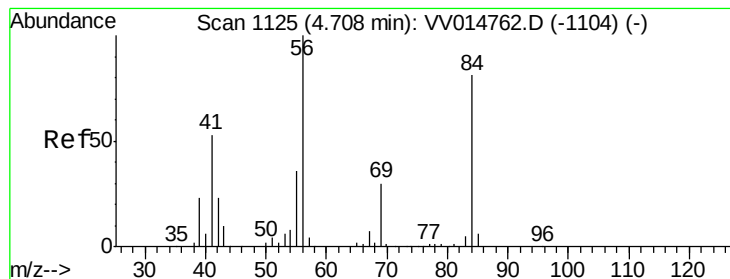
Tot Ion: 83 Resp: 322320
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 56.060 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Tgt Ion: 62 Resp: 241842
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 62.172 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :
MSVOA_V
ClientSampled :

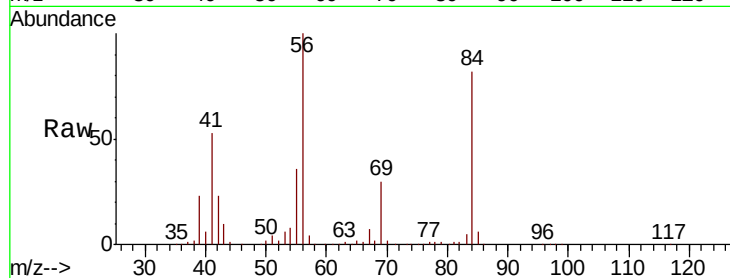
Tot Ion: 56 Resp: 283663

Ion Ratio Lower Upper

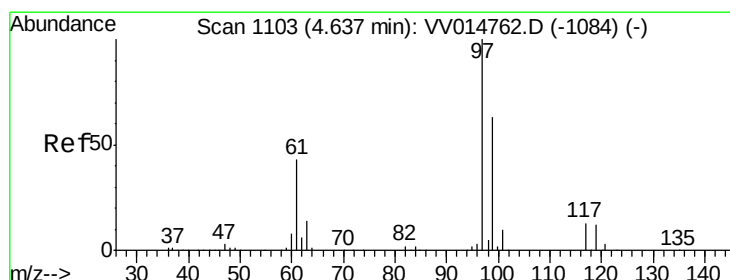
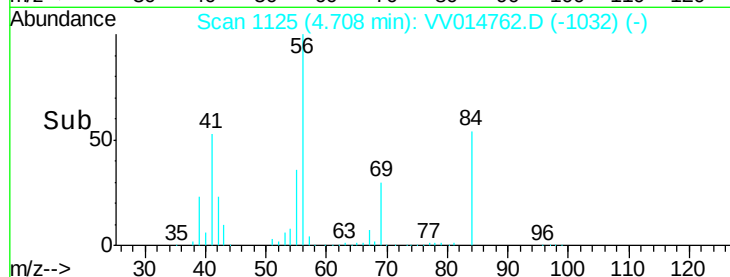
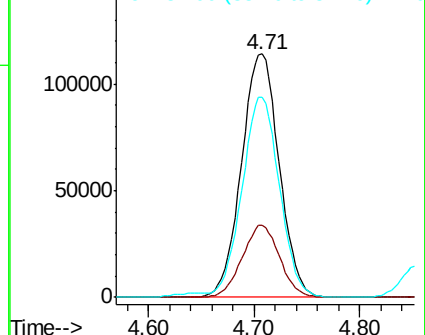
56 100

69 29.4 23.5 35.3

84 81.6 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: 49.209 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

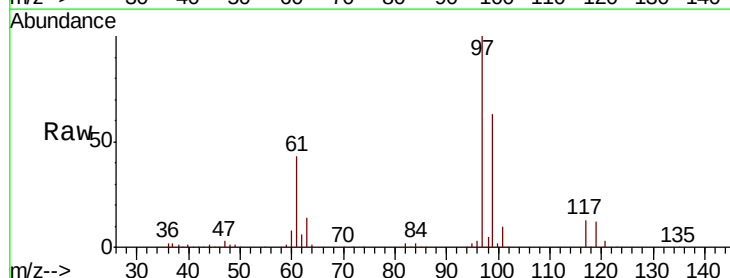
Tgt Ion: 97 Resp: 261937

Ion Ratio Lower Upper

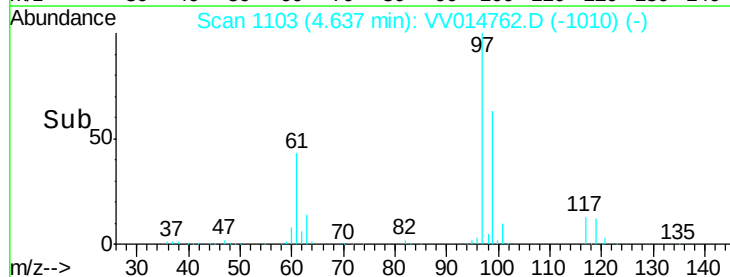
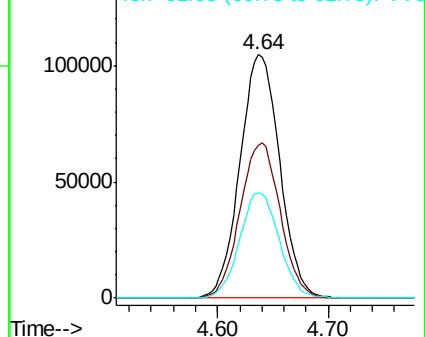
97 100

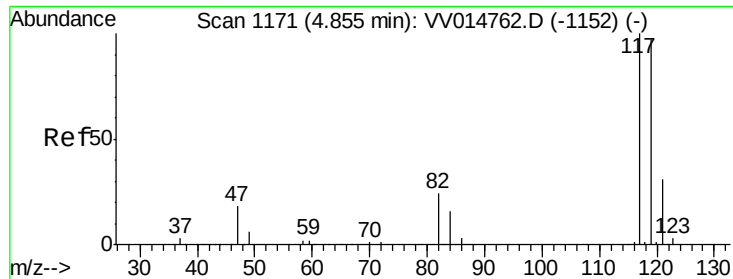
99 64.5 51.6 77.4

61 43.3 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: 48.172 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :

MSVOA_V

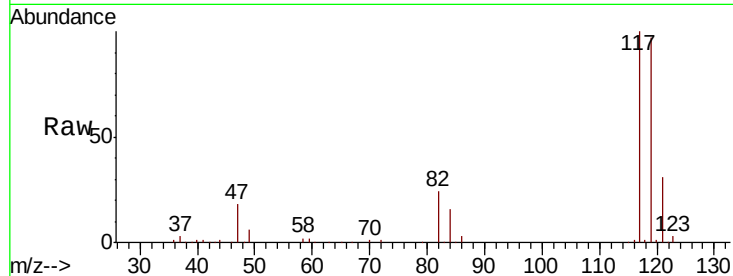
ClientSampleId :

Tot Ion:117 Resp: 225817

Ion Ratio Lower Upper

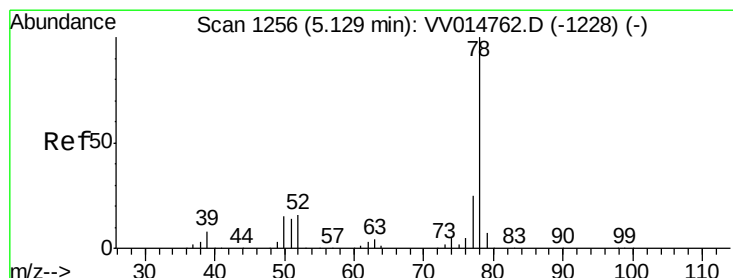
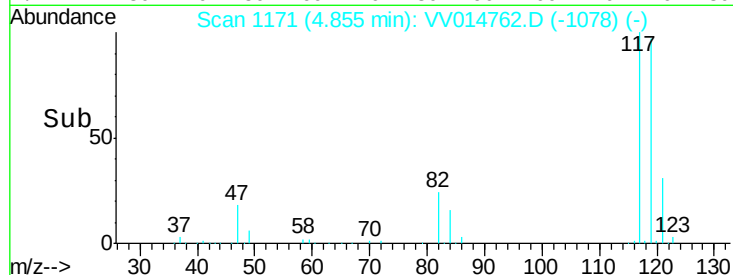
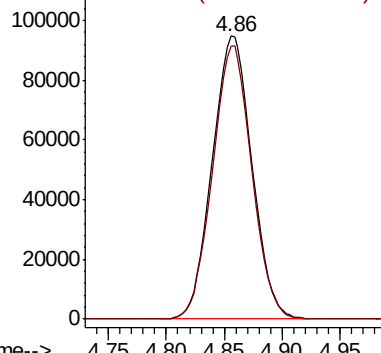
117 100

119 95.6 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: 55.061 ug/L

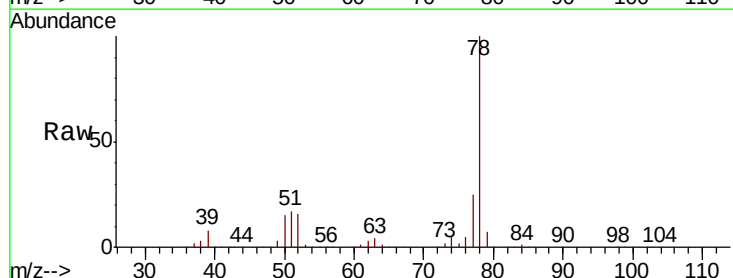
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

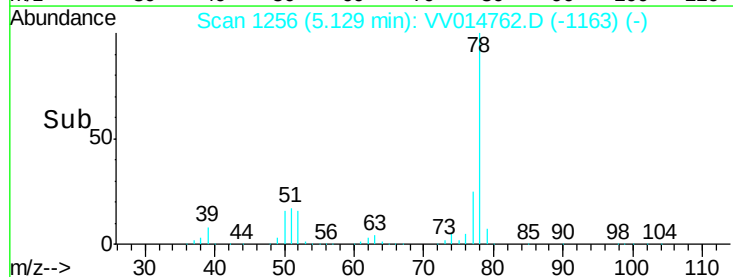
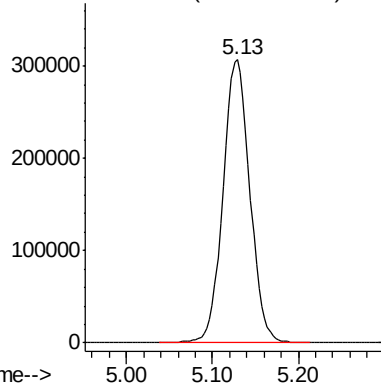
Lab File: VV014762.D

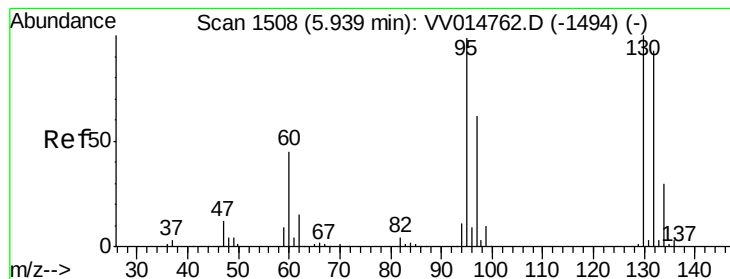
Acq: 06 Mar 2020 17:24

Tgt Ion: 78 Resp: 668379



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.494 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 171891

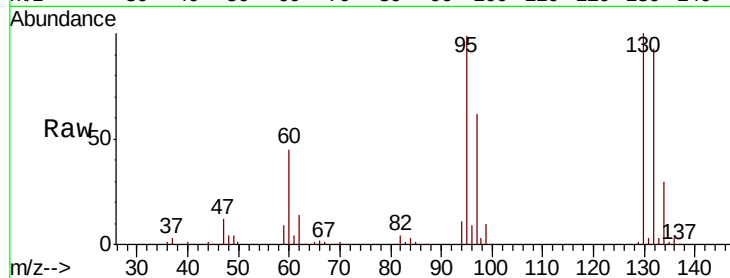
Ion Ratio Lower Upper

95 100

97 62.6 43.8 81.4

132 94.0 65.8 122.2

130 100.9 70.6 131.2

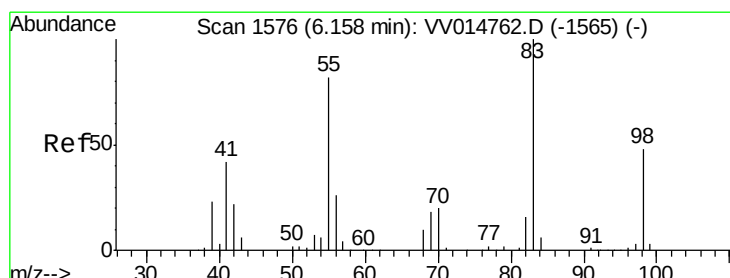
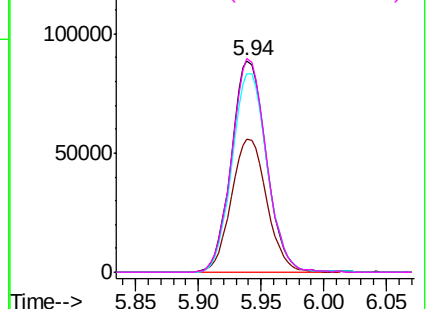
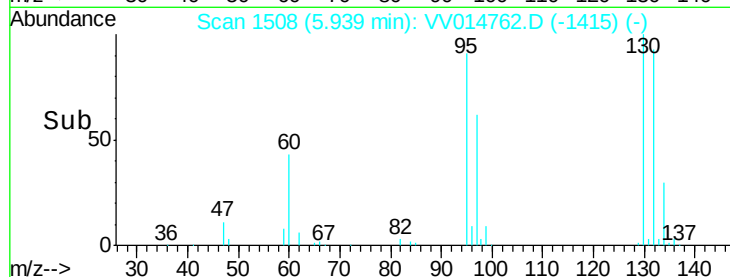


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 56.511 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

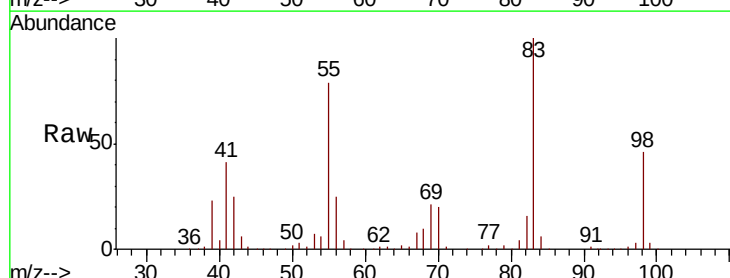
Tgt Ion: 83 Resp: 285379

Ion Ratio Lower Upper

83 100

55 79.3 63.4 95.2

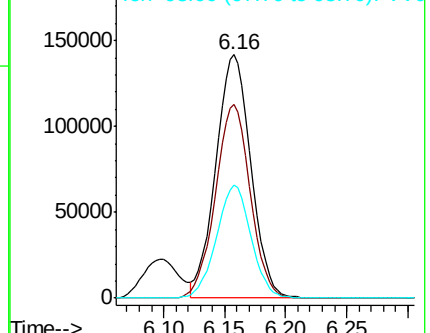
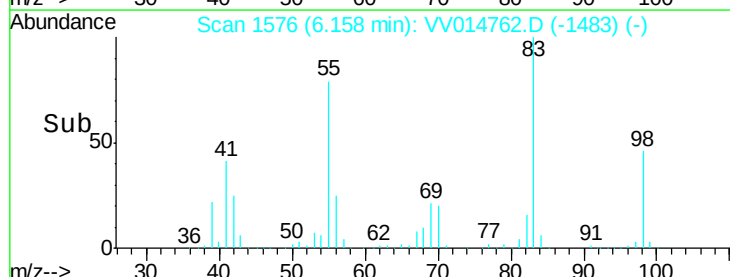
98 46.0 36.8 55.2

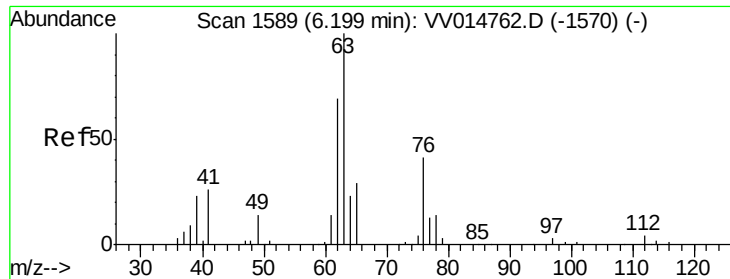


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

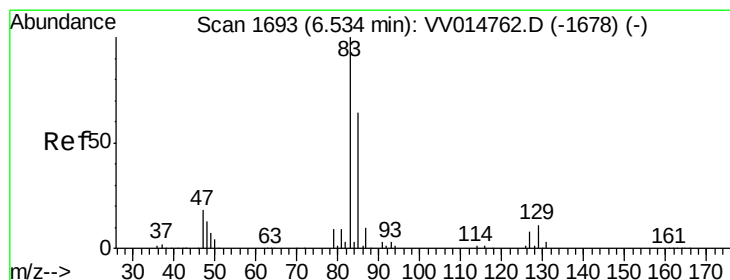
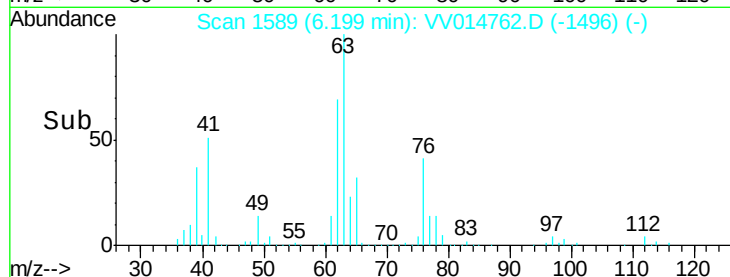
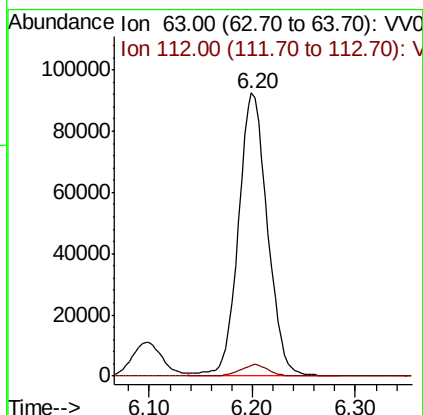
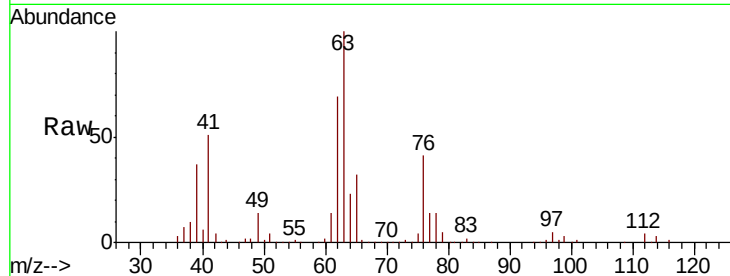




#37
 1,2-Dichloropropane
 Concen: 59.801 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

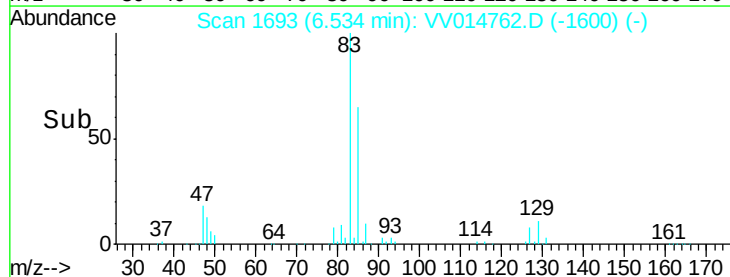
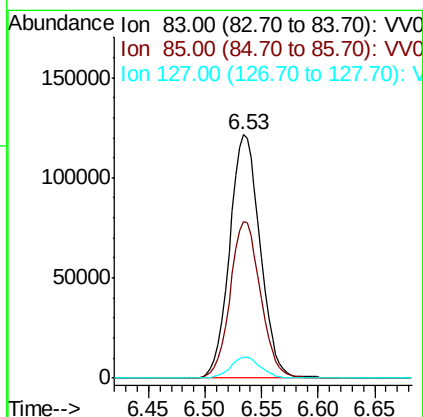
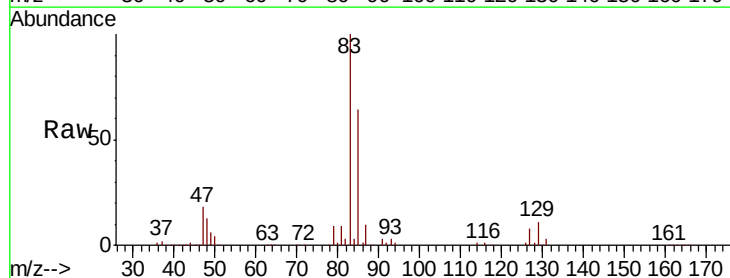
Instrument :
 MSVOA_V
 ClientSampled :

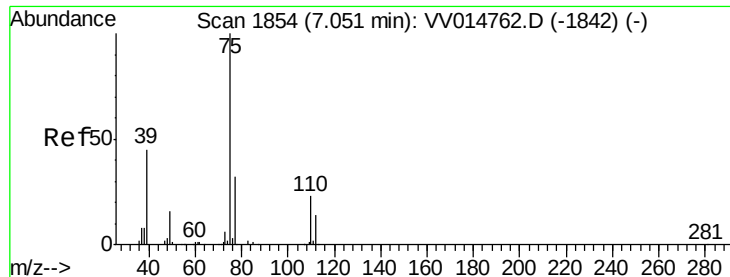
Tot Ion: 63 Resp: 181160
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.989 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

Tgt Ion: 83 Resp: 228336
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 8.4 6.7 10.1

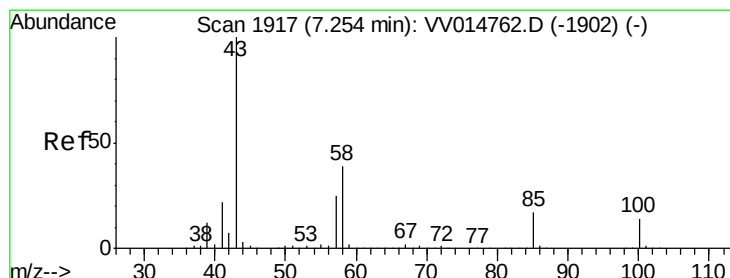
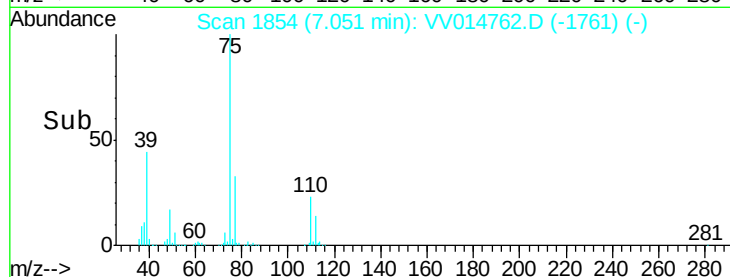
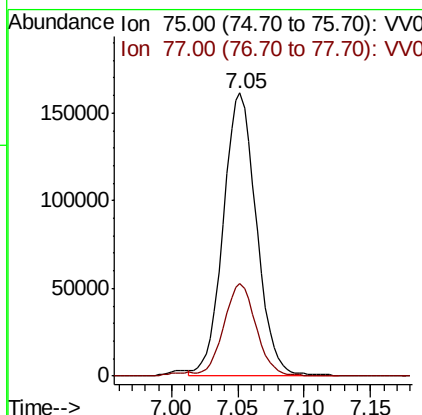
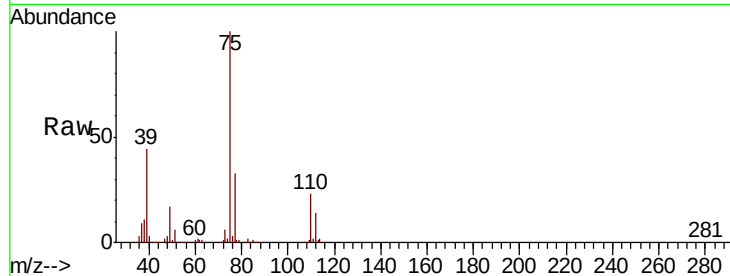




#39
 cis-1,3-Dichloropropene
 Concen: 53.386 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

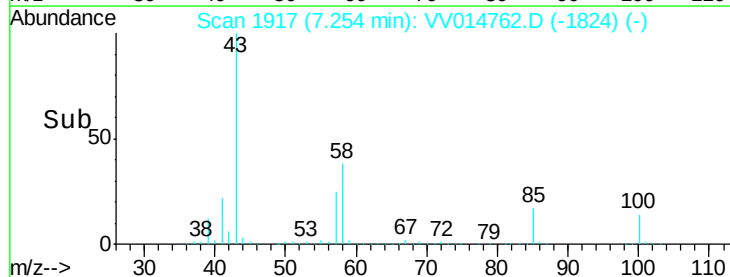
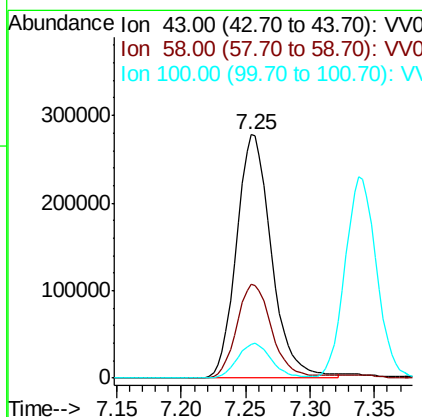
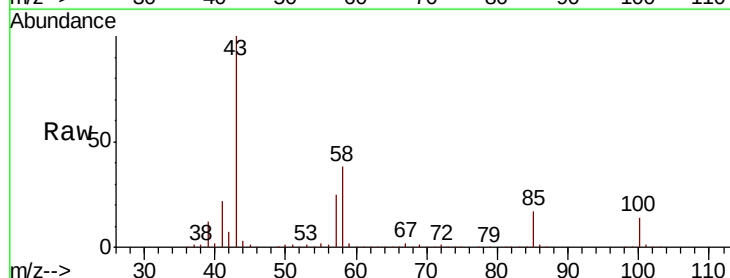
Instrument :
 MSVOA_V
 ClientSampleId :

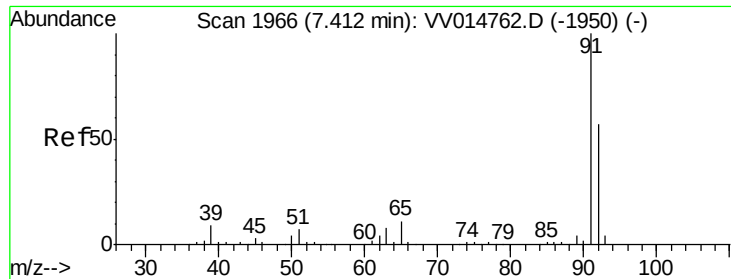
Tot Ion: 75 Resp: 279191
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 134.830 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

Tgt Ion: 43 Resp: 525088
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.0 46.4
 100 14.0 11.2 16.8





#42

Toluene

Concen: 56.020 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

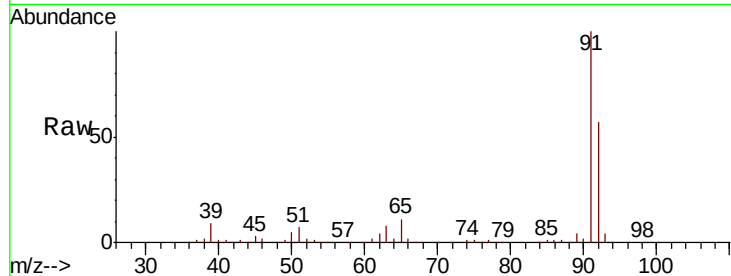
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 736880

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014762.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV014762.D (-1950) (-)

7.41

500000

400000

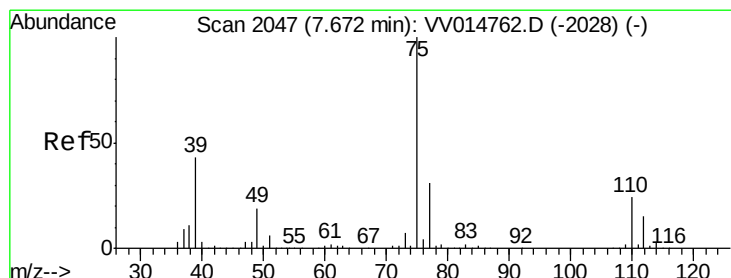
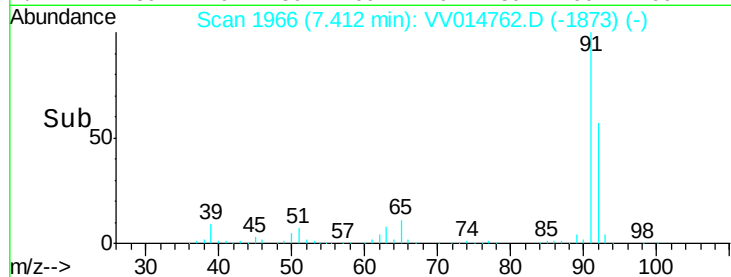
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 54.587 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014762.D

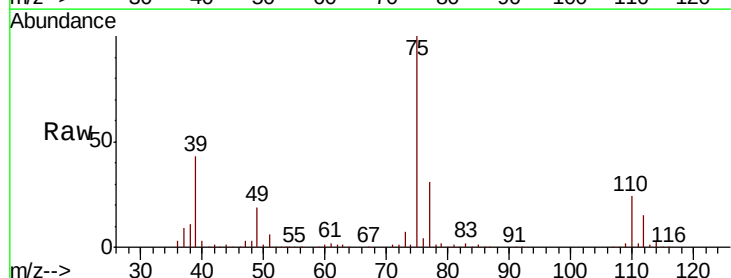
Acq: 06 Mar 2020 17:24

Tgt Ion: 75 Resp: 260126

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014762.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV014762.D (-2028) (-)

7.67

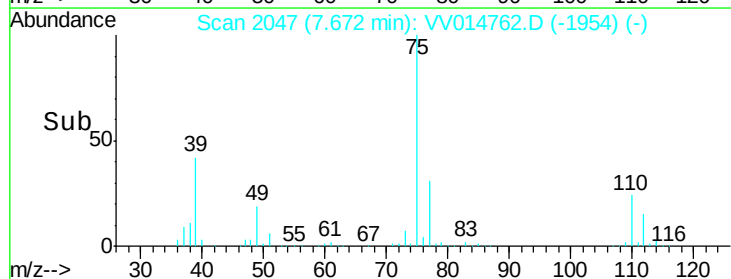
150000

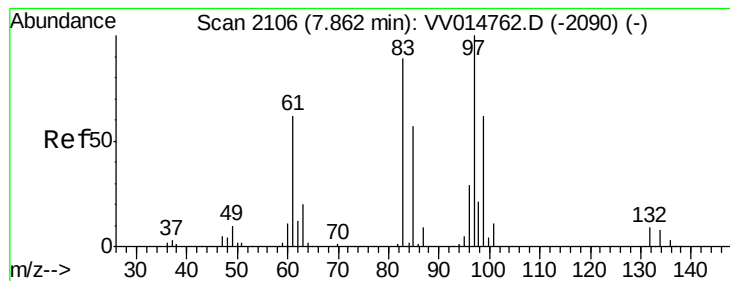
100000

50000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 52.147 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 97 Resp: 162626

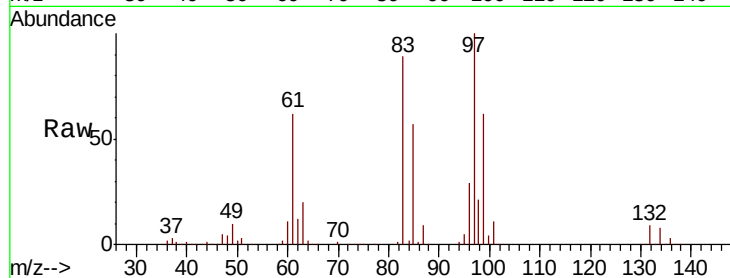
Ion Ratio Lower Upper

97 100

99 61.6 43.1 80.1

83 89.1 62.4 115.8

85 57.3 40.1 74.5



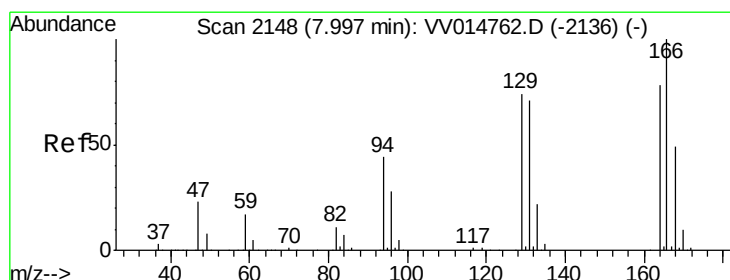
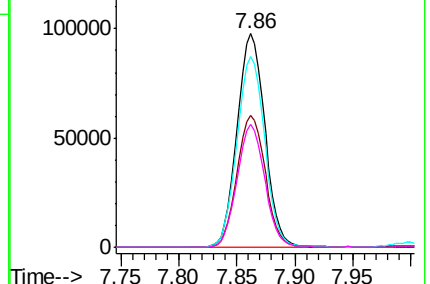
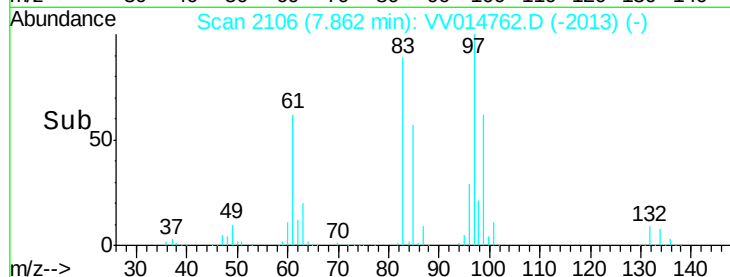
Abundance

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: 54.854 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Tgt Ion: 164 Resp: 140013

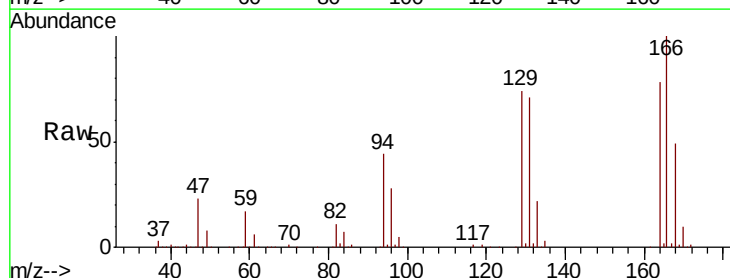
Ion Ratio Lower Upper

164 100

129 94.3 66.0 122.6

131 91.3 63.9 118.7

166 128.2 89.7 166.7



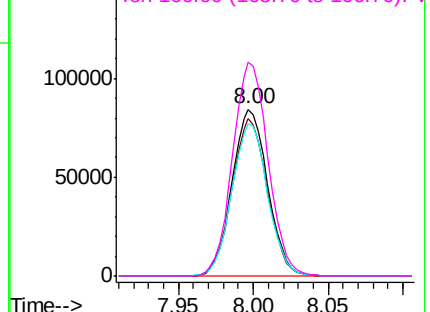
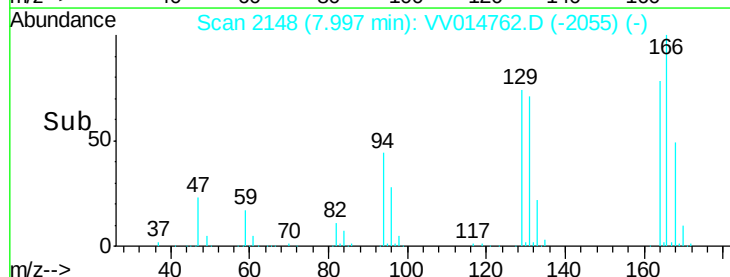
Abundance

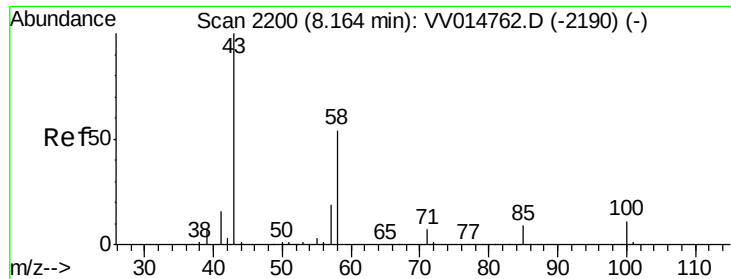
Ion 164.00 (163.70 to 164.70): V

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

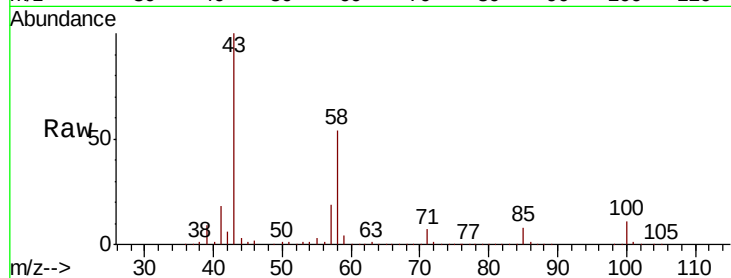




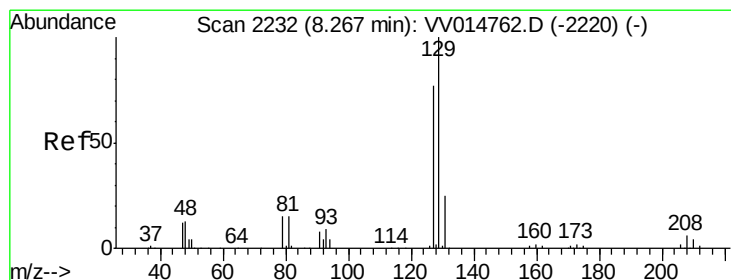
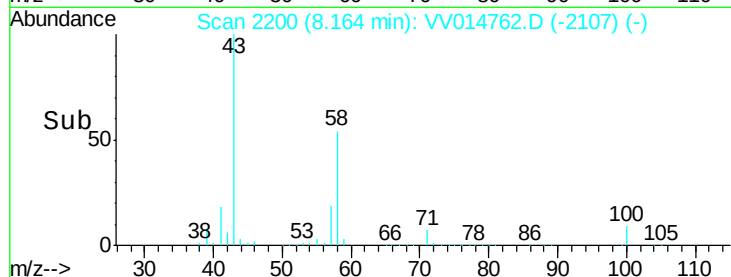
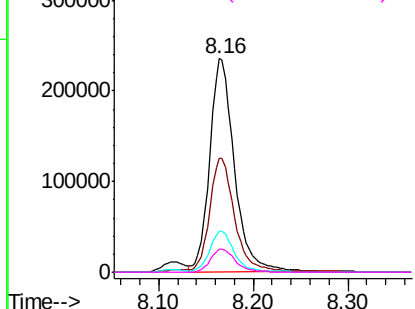
#48
2-Hexanone
Concen: 139.135 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 426975
Ion Ratio Lower Upper
43 100
58 54.1 43.3 64.9
57 19.5 15.6 23.4
100 10.9 8.7 13.1

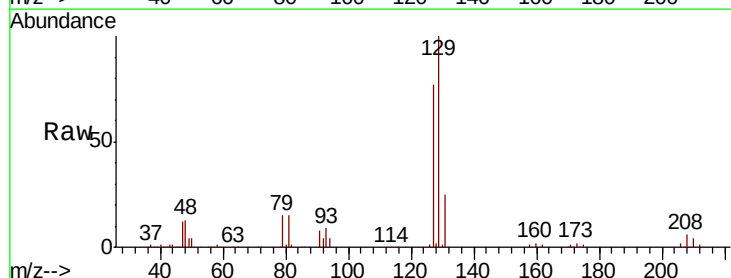


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

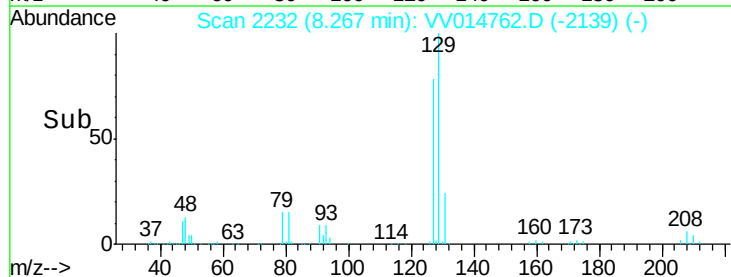
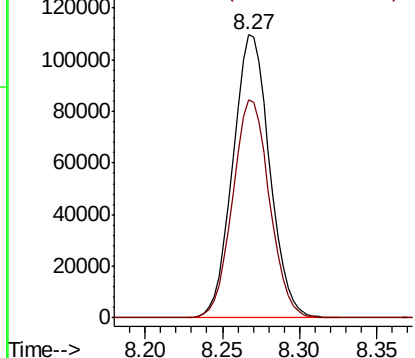


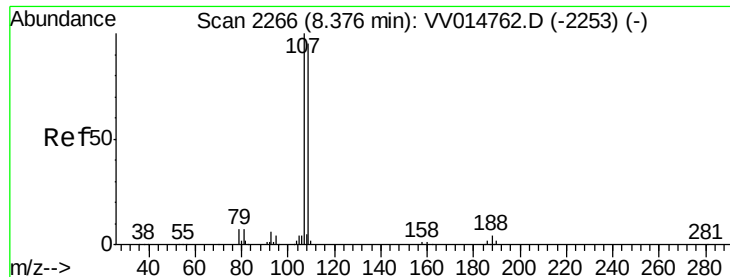
#49
Dibromochloromethane
Concen: 49.529 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Tgt Ion: 129 Resp: 181046
Ion Ratio Lower Upper
129 100
127 77.0 53.9 100.1



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

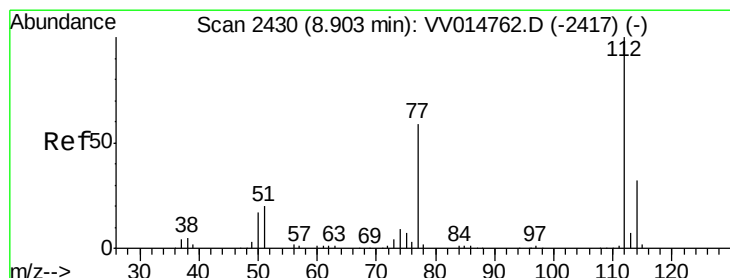
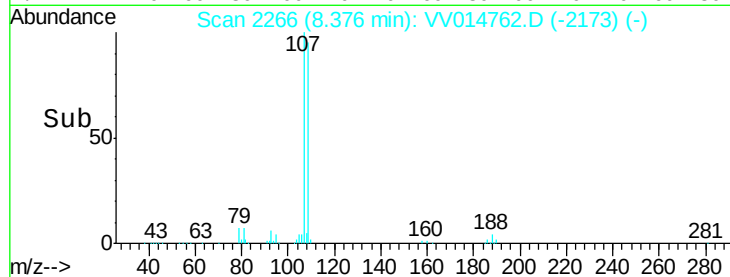
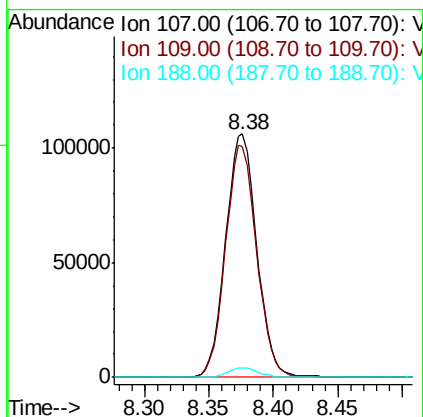
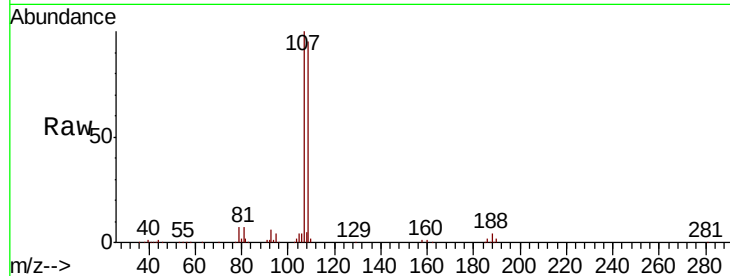




#50
1,2-Dibromoethane
Concen: 51.804 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

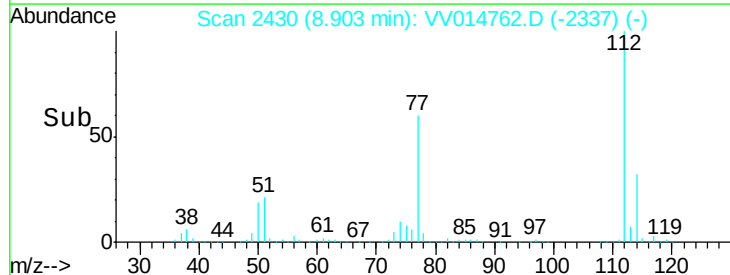
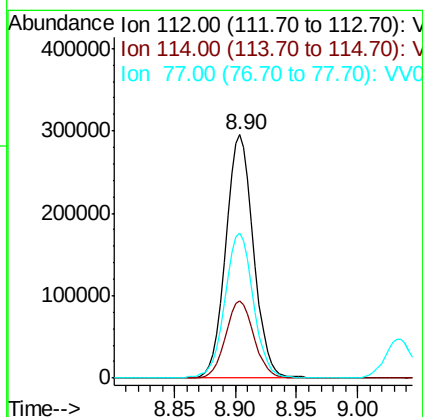
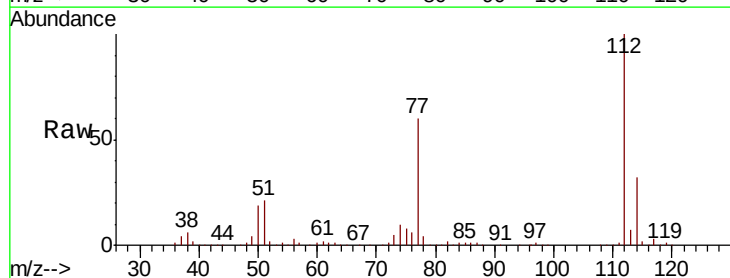
Instrument :
MSVOA_V
ClientSampled :

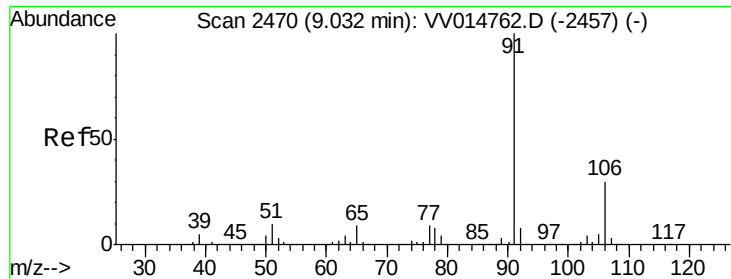
Tot Ion:107 Resp: 178478
Ion Ratio Lower Upper
107 100
109 95.1 66.6 123.6
188 3.8 3.0 4.6



#51
Chlorobenzene
Concen: 53.073 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Tgt Ion:112 Resp: 471150
Ion Ratio Lower Upper
112 100
114 31.6 22.1 41.1
77 59.8 47.8 71.8

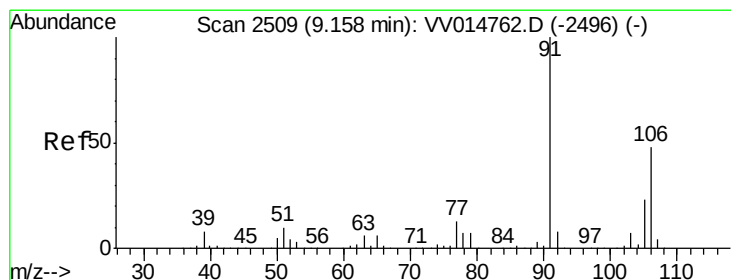
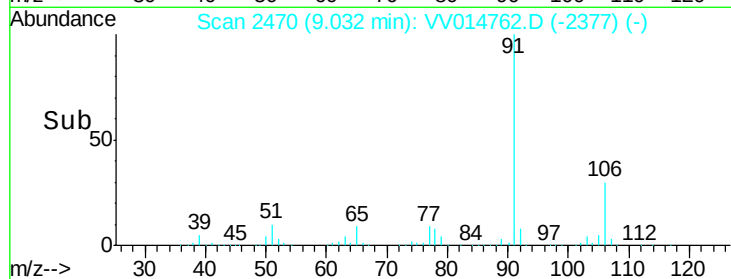
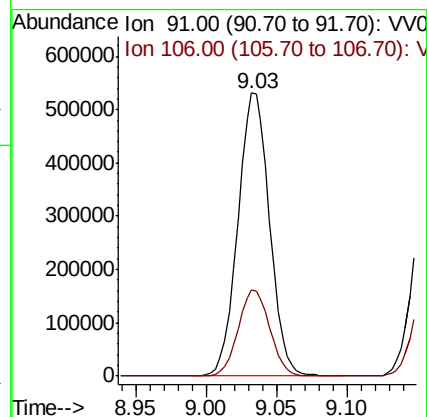
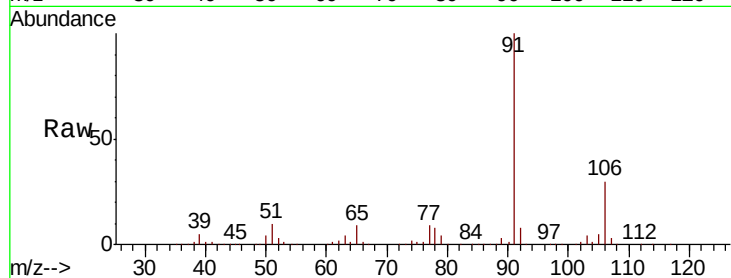




#52
Ethylbenzene
Concen: 55.516 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

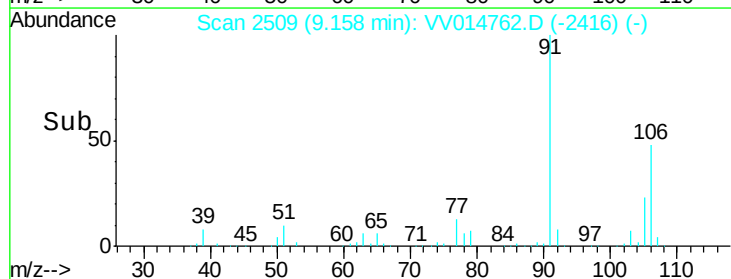
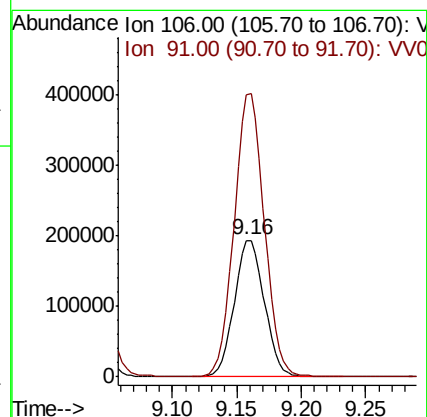
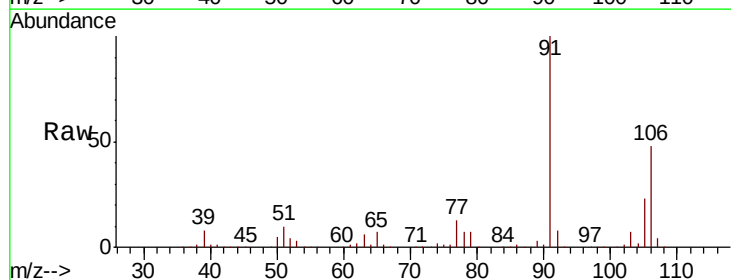
Instrument :
MSVOA_V
ClientSampled :

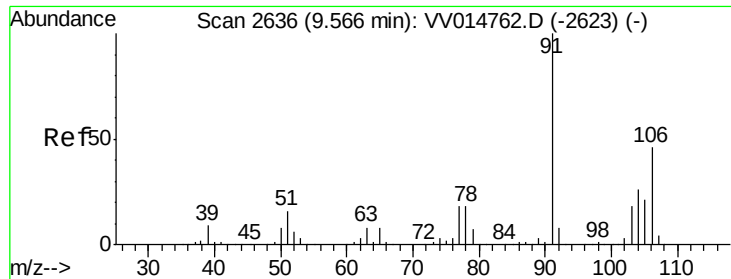
Tot Ion: 91 Resp: 835682
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#53
m,p-Xylene
Concen: 54.133 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Tgt Ion: 106 Resp: 312228
Ion Ratio Lower Upper
106 100
91 207.3 145.1 269.5

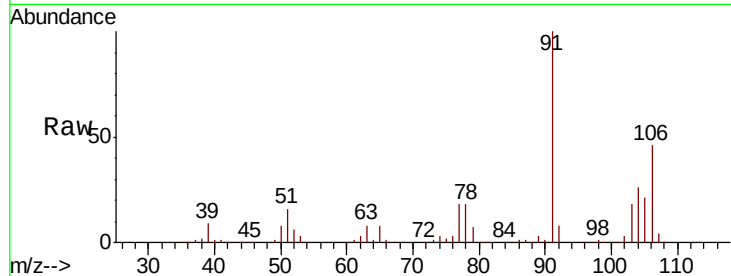




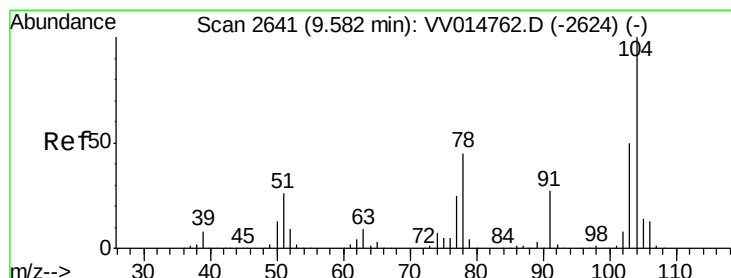
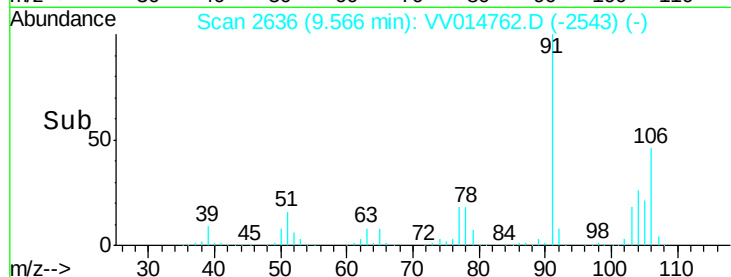
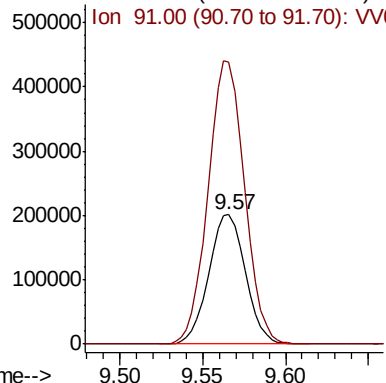
#54
o-xylene
Concen: 54.782 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 309243
Ion Ratio Lower Upper
106 100
91 217.9 152.5 283.3

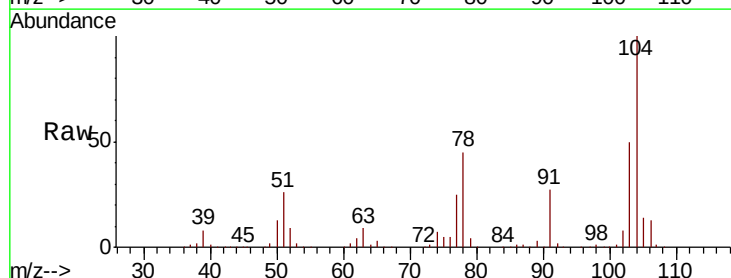


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

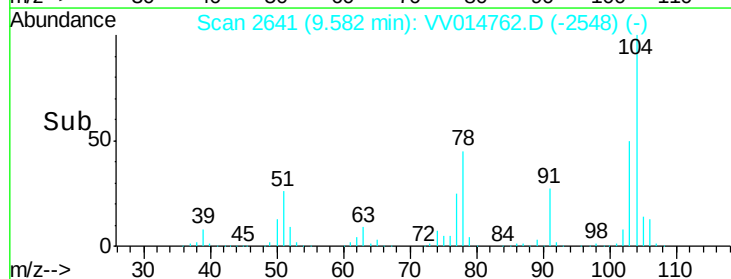
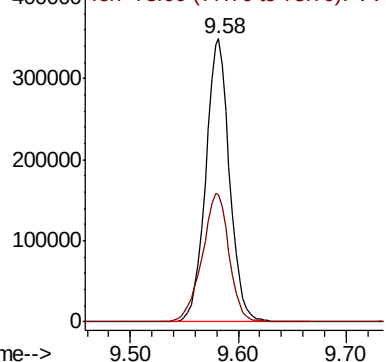


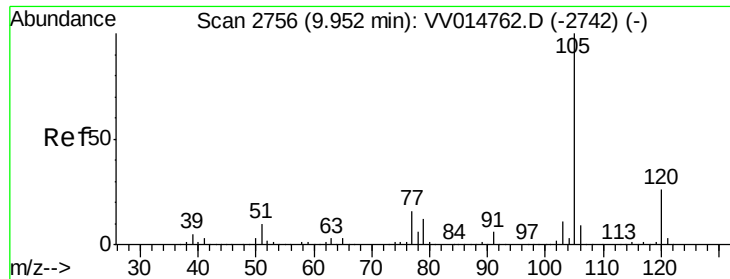
#55
Styrene
Concen: 56.815 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014762.D
Acq: 06 Mar 2020 17:24

Tgt Ion:104 Resp: 537304
Ion Ratio Lower Upper
104 100
78 45.1 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: 55.041 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :
MSVOA_V
ClientSampleId :

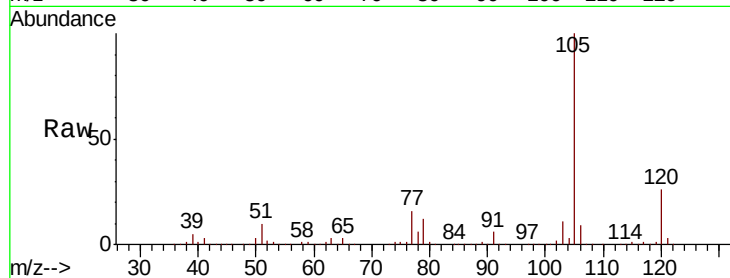
Tot Ion:105 Resp: 820504

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

77 15.9 12.7 19.1

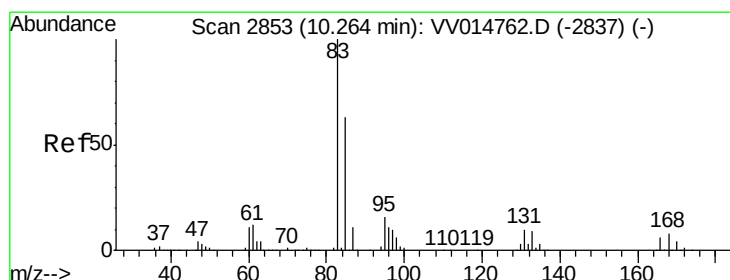
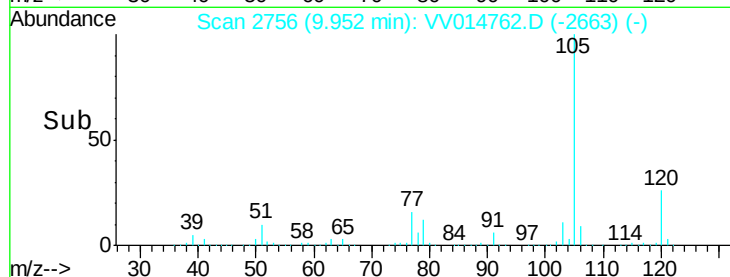


Abundance Ion 105.00 (104.70 to 105.70): VV014762.D (-2742) (-)

Ion 120.00 (119.70 to 120.70): VV014762.D (-2742) (-)

Ion 77.00 (76.70 to 77.70): VV014762.D (-2742) (-)

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 57.388 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

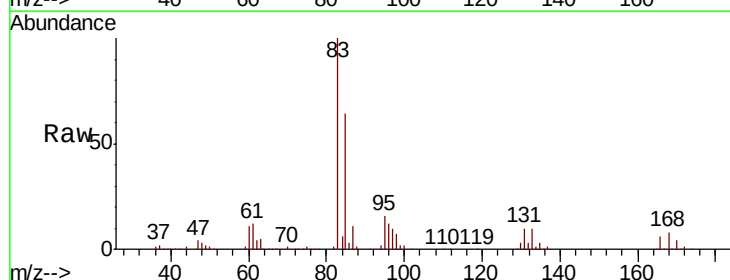
Tgt Ion: 83 Resp: 282463

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

131 9.8 7.8 11.8

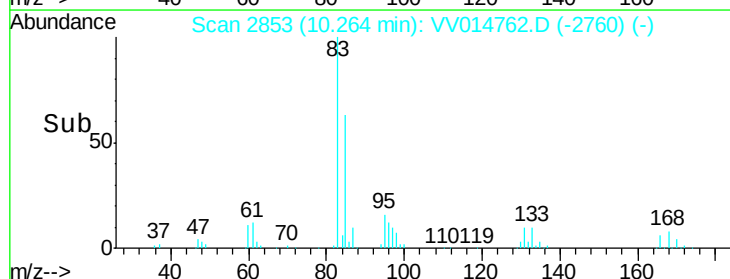


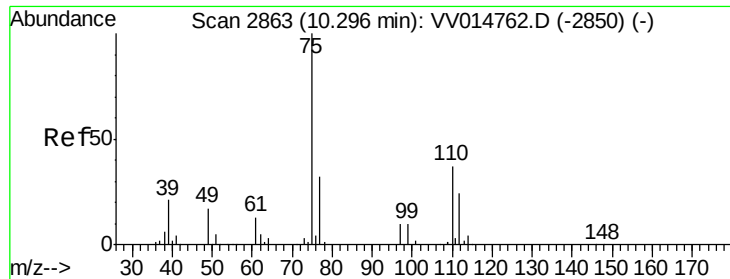
Abundance Ion 83.00 (82.70 to 83.70): VV014762.D (-2837) (-)

Ion 85.00 (84.70 to 85.70): VV014762.D (-2837) (-)

Ion 131.00 (130.70 to 131.70): VV014762.D (-2837) (-)

Time-->





#59

1,2,3-Trichloropropane

Concen: 56.729 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :

MSVOA_V

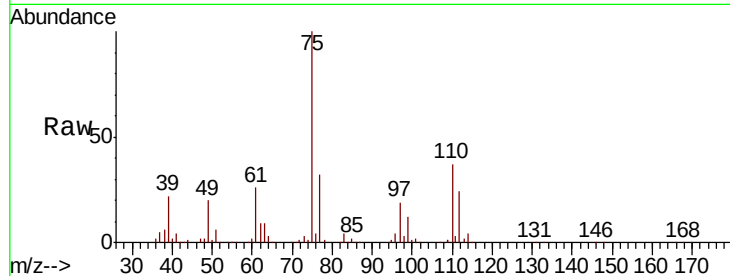
ClientSampleId :

Tot Ion: 75 Resp: 229158

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV014762.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV014762.D (-2850) (-)

10.30

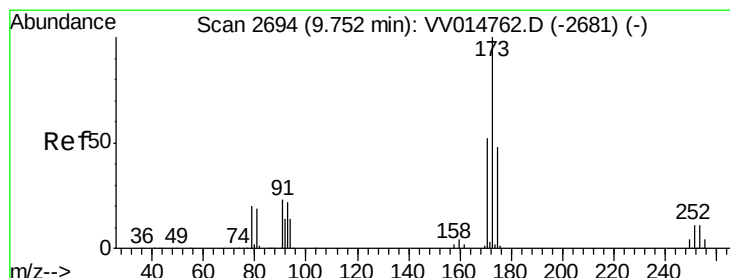
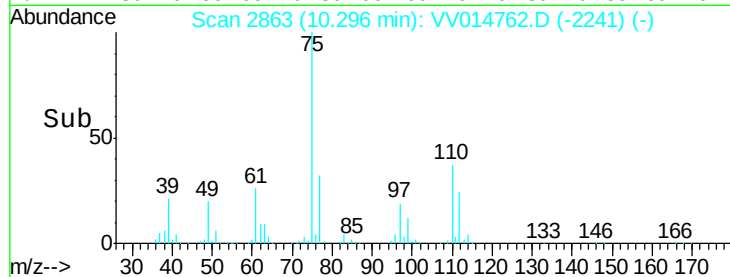
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 49.696 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

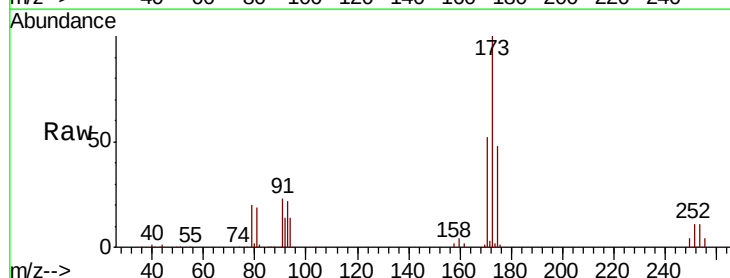
Tgt Ion: 173 Resp: 131410

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.4

254 10.8 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV014762.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV014762.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV014762.D (-2681) (-)

9.75

100000

80000

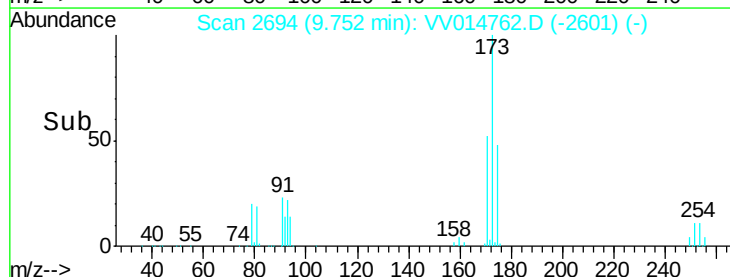
60000

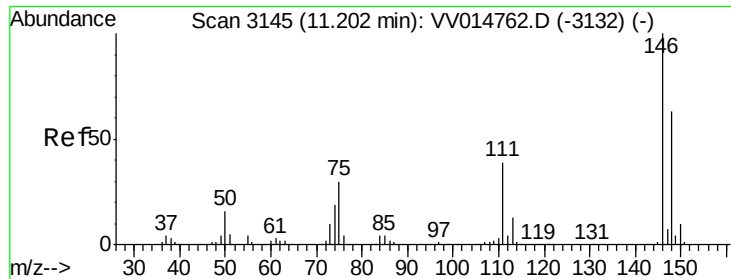
40000

20000

0

Time--> 9.70 9.75 9.80

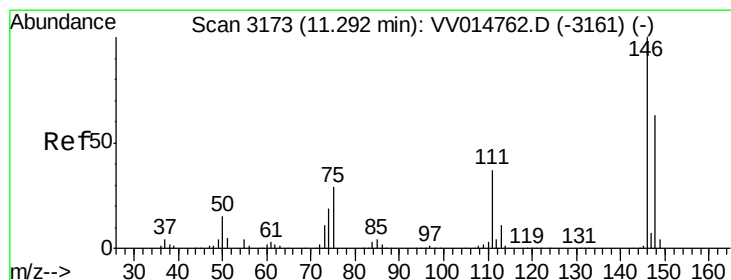
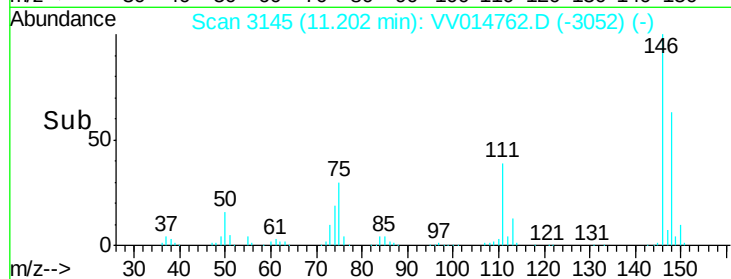
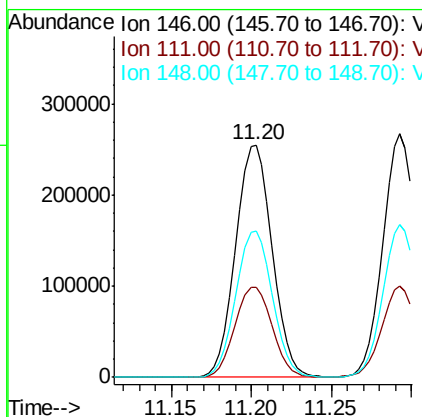
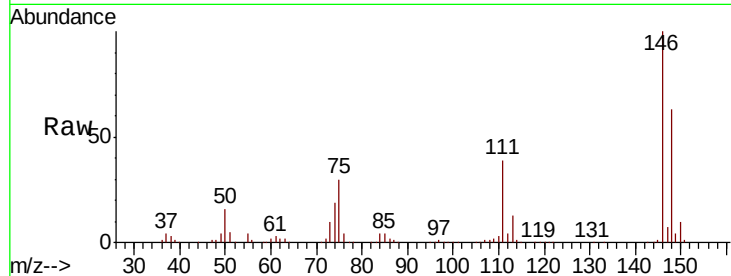




#62
 1,3-Dichlorobenzene
 Concen: 53.109 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

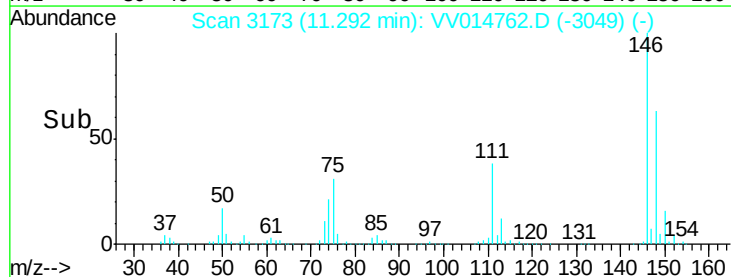
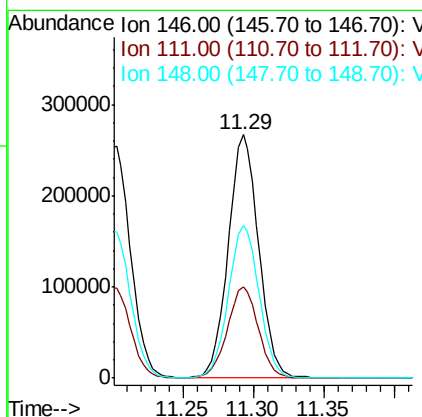
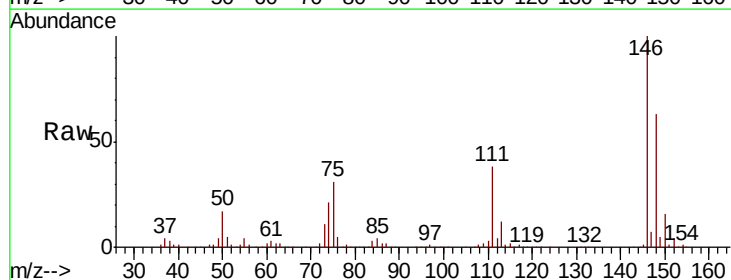
Instrument :
 MSVOA_V
 ClientSampleId :

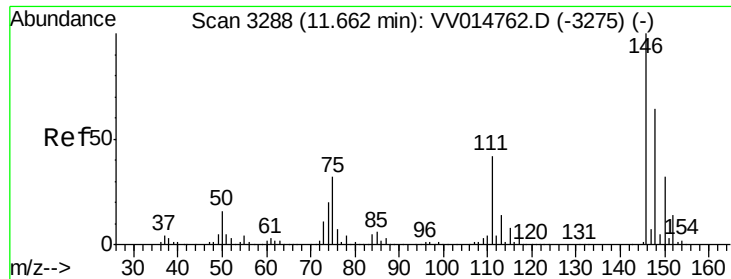
Tot Ion:146 Resp: 396264
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.2 50.4
 148 63.2 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 52.578 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

Tgt Ion:146 Resp: 402683
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.3 48.9
 148 62.9 44.0 81.8

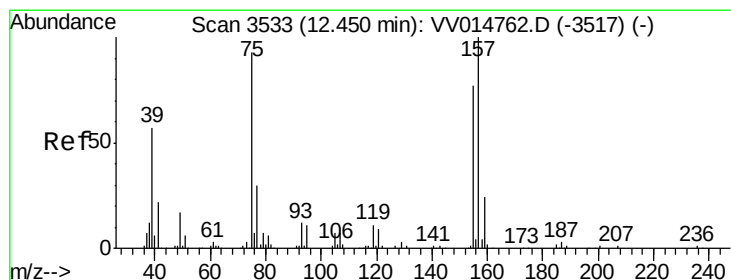
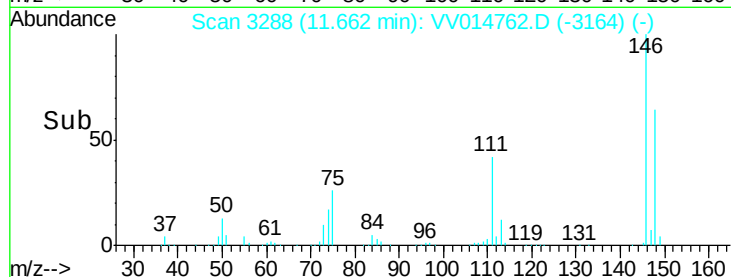
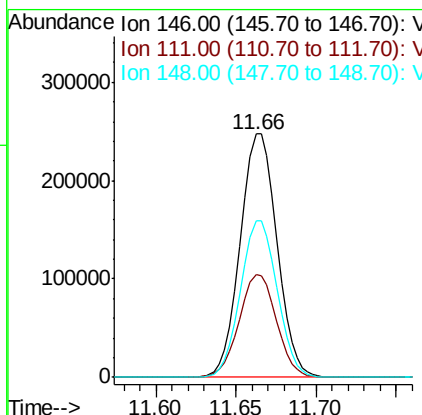
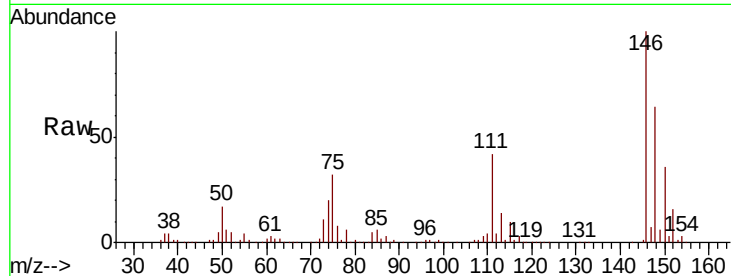




#65
 1,2-Dichlorobenzene
 Concen: 52.348 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

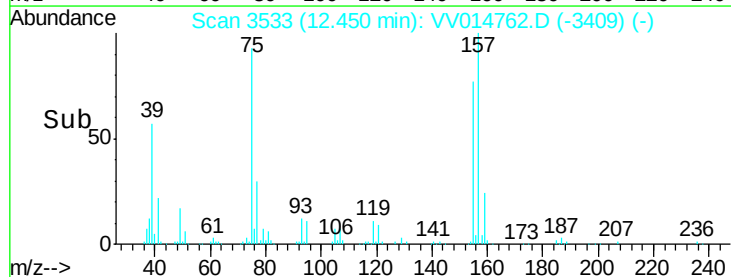
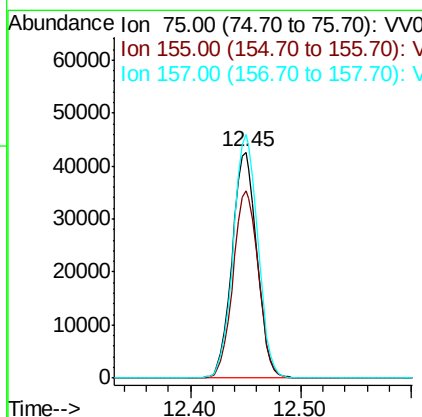
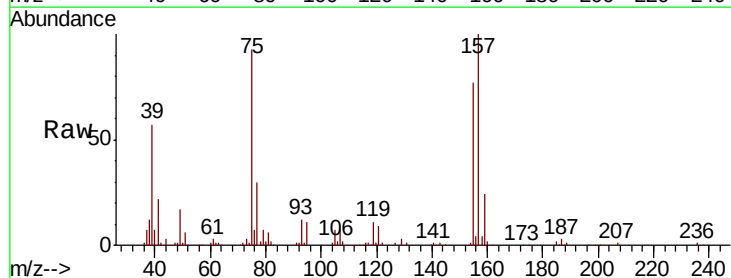
Instrument :
 MSVOA_V
 ClientSampleId :

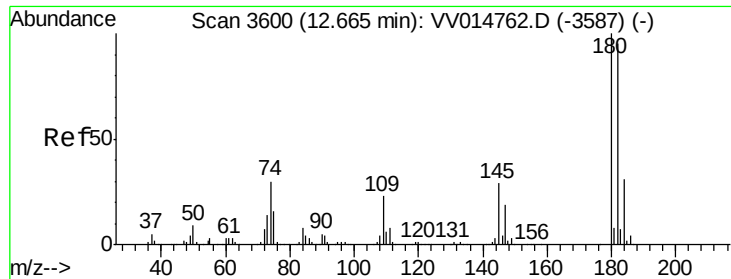
Tot Ion:146 Resp: 388312
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.9 50.9
 148 64.2 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.856 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

Tgt Ion: 75 Resp: 66497
 Ion Ratio Lower Upper
 75 100
 155 83.0 66.4 99.6
 157 107.6 86.1 129.1

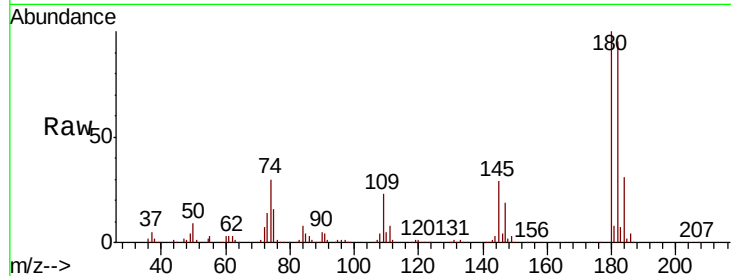




#67
 1,3,5-Trichlorobenzene
 Concen: 54.473 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.6	113.4
184	31.0	24.8	37.2
145	29.1	23.3	34.9



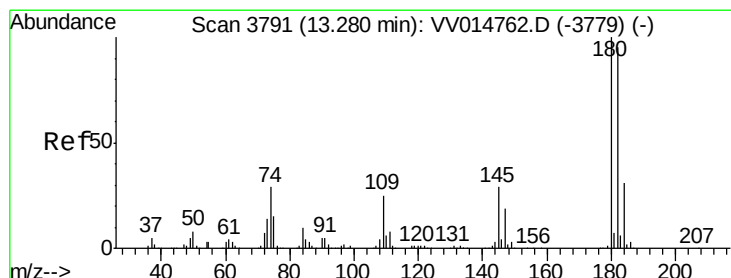
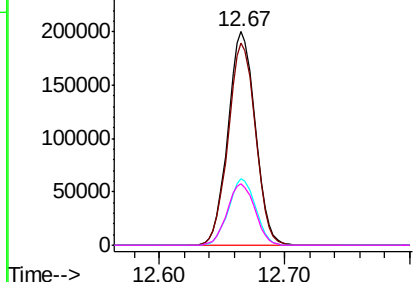
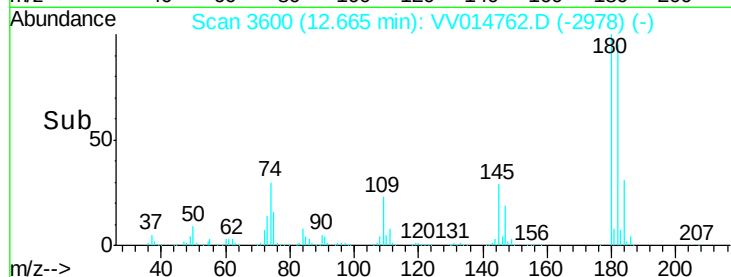
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

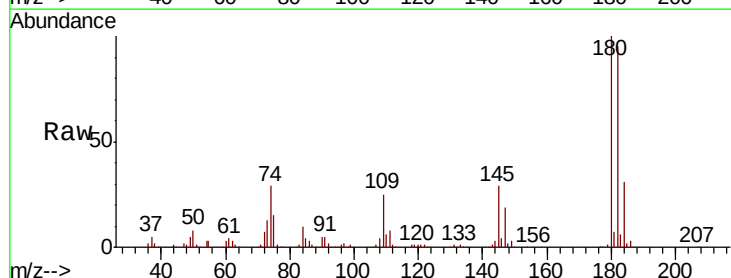
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.953 ug/L
 RT: 13.28 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VV014762.D
 Acq: 06 Mar 2020 17:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	29.2	23.4	35.0

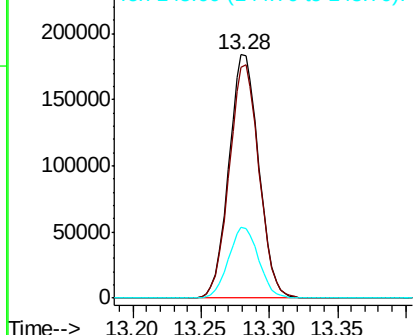
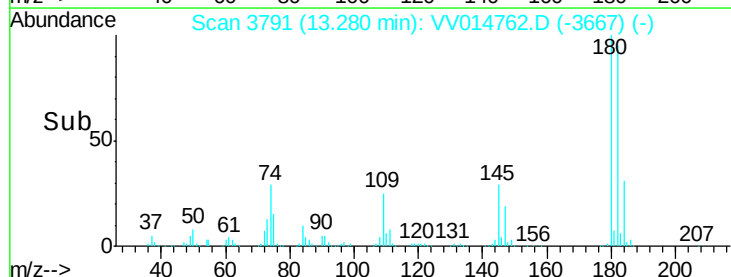


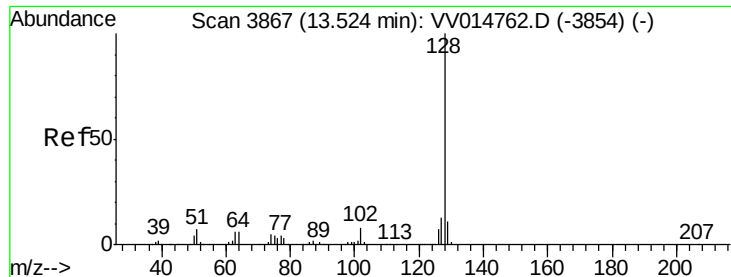
Abundance

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: 27.808 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

Instrument :

MSVOA_V

ClientSampleId :

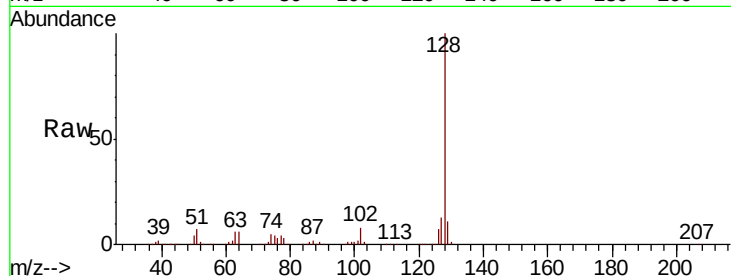
Tot Ion:128 Resp: 427115

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

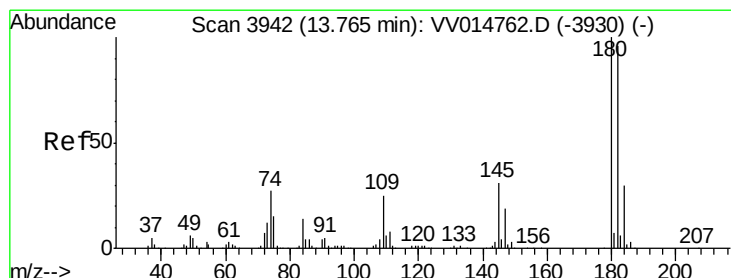
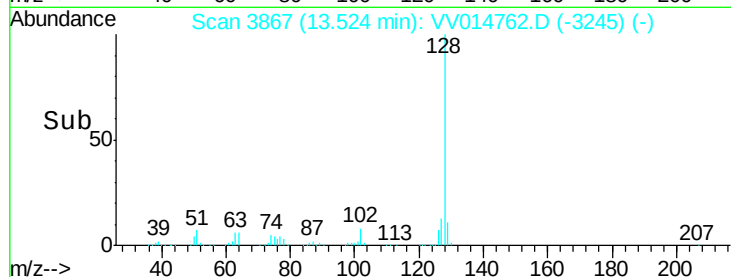
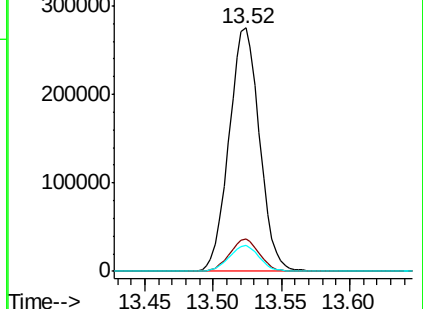
129 10.6 8.5 12.7



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: 53.046 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014762.D

Acq: 06 Mar 2020 17:24

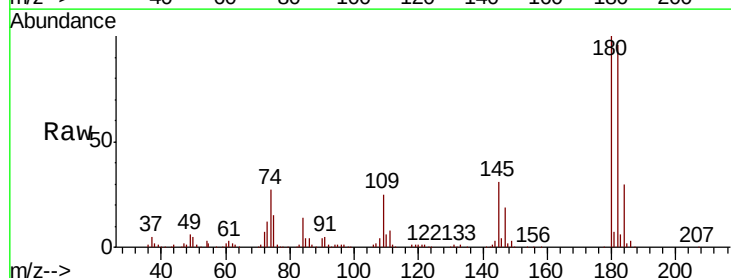
Tgt Ion:180 Resp: 282162

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.2 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

