

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\
 Data File : VV014579.D
 Acq On : 13 Feb 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 13 15:29:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 13:28:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	305377	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	286402	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	144642	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56180	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.80%
7) Chloroethane-d5	1.58	69	40466	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	2.13	63	96555	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
21) 2-Butanone-d5	3.92	46	96191	98.91	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.91%
24) Chloroform-d	4.40	84	173248	50.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.32%
26) 1,2-Dichloroethane-d4	5.07	65	105527	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
32) Benzene-d6	5.09	84	344250	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.52%
36) 1,2-Dichloropropane-d6	6.11	67	102788	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.66%
41) Toluene-d8	7.35	98	330737	50.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.38%
43) trans-1,3-Dichloropropene-	7.66	79	57691	50.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.42%
47) 2-Hexanone-d5	8.12	63	78139	94.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.79%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	139087	49.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.34%
64) 1,2-Dichlorobenzene-d4	11.67	152	126494	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	108081	49.873	ug/L 99
3) Chloromethane	1.26	50	90732	47.133	ug/L 95
5) Vinyl chloride	1.33	62	68079	49.761	ug/L 100
6) Bromomethane	1.53	94	36067	54.179	ug/L 97
8) Chloroethane	1.60	64	33217	48.342	ug/L 98
9) Trichlorofluoromethane	1.77	101	118969	50.337	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	51509	51.125	ug/L 99
12) 1,1-Dichloroethene	2.14	96	46638	49.797	ug/L 98
13) Acetone	2.18	43	73002	87.498	ug/L 97
14) Carbon disulfide	2.32	76	223103	48.664	ug/L 99
15) Methyl Acetate	2.45	43	74732	46.734	ug/L 99
16) Methylene chloride	2.54	84	94826	48.440	ug/L 94
17) trans-1,2-Dichloroethene	2.79	96	90203	48.825	ug/L 97
18) Methyl tert-butyl Ether	2.80	73	291676	49.233	ug/L 100
19) 1,1-Dichloroethane	3.23	63	161413	49.827	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	105222	49.263	ug/L 99
22) 2-Butanone	4.00	43	128912	103.051	ug/L 94

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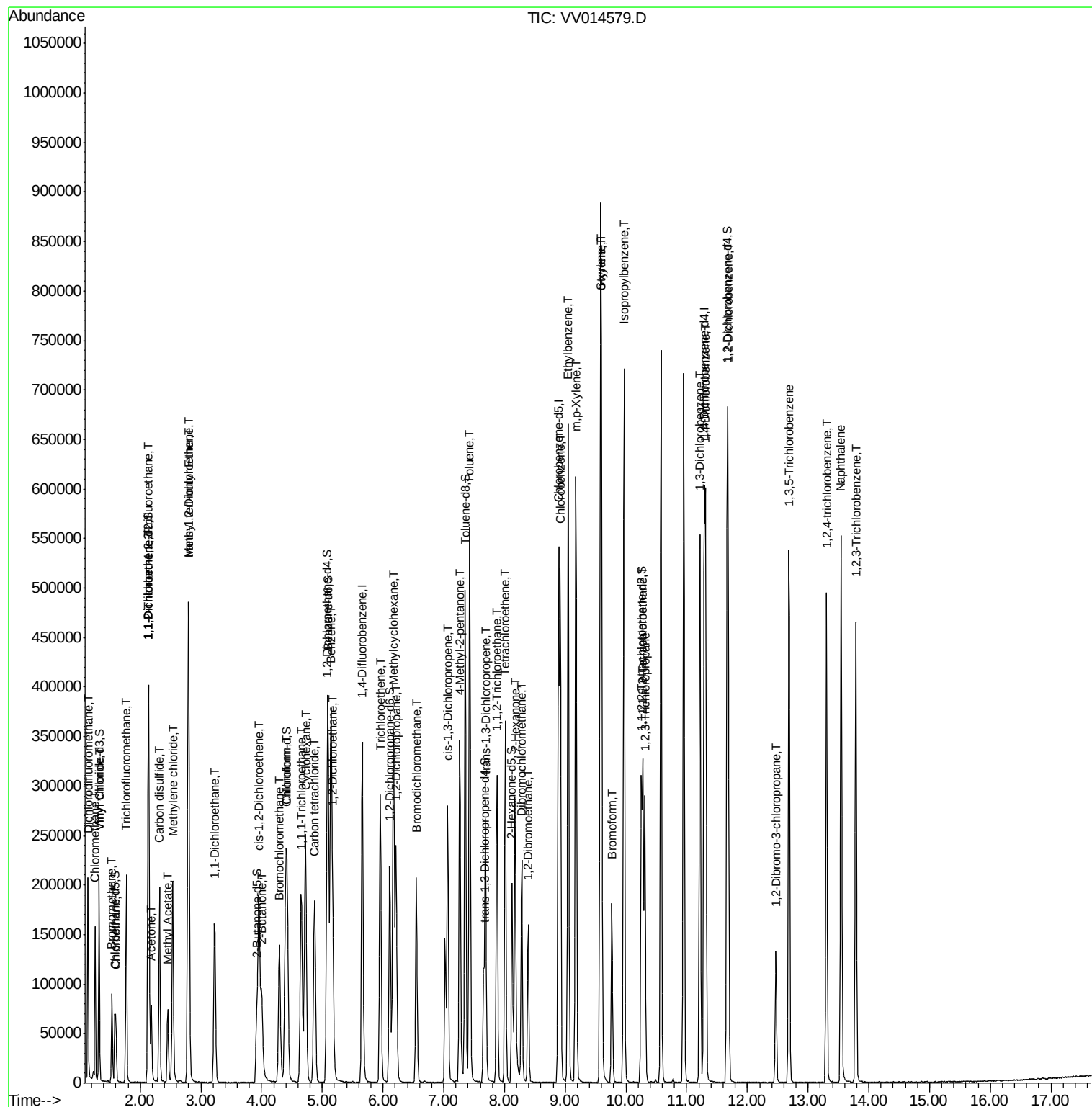
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	52032	50.295	ug/L	95
25) Chloroform	4.42	83	177687	49.574	ug/L	98
27) 1,2-Dichloroethane	5.17	62	133356	50.464	ug/L	99
29) Cyclohexane	4.72	56	140909	49.146	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	157062	50.410	ug/L	99
31) Carbon tetrachloride	4.87	117	141678	50.359	ug/L	98
33) Benzene	5.14	78	372291	49.510	ug/L	100
34) Trichloroethene	5.96	95	102846	50.684	ug/L	98
35) Methylcyclohexane	6.17	83	160196	50.423	ug/L	100
37) 1,2-Dichloropropane	6.22	63	93817	50.527	ug/L	99
38) Bromodichloromethane	6.55	83	136583	50.165	ug/L	96
39) cis-1,3-Dichloropropene	7.06	75	165969	50.633	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	214006	93.308	ug/L	100
42) Toluene	7.42	91	410309	50.038	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	150096	50.703	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	96345	50.233	ug/L	98
46) Tetrachloroethene	8.01	164	81963	51.367	ug/L	99
48) 2-Hexanone	8.17	43	177642	99.344	ug/L	97
49) Dibromochloromethane	8.28	129	114719	50.186	ug/L	98
50) 1,2-Dibromoethane	8.39	107	103027	49.645	ug/L	99
51) Chlorobenzene	8.92	112	273327	49.858	ug/L	98
52) Ethylbenzene	9.05	91	468303	50.347	ug/L	99
53) m,p-Xylene	9.18	106	180287	49.647	ug/L	100
54) o-xylene	9.58	106	175985	50.702	ug/L	99
55) Styrene	9.60	104	302641	50.743	ug/L	100
56) Isopropylbenzene	9.97	105	464742	50.337	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	148591	49.039	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	115154	48.192	ug/L	100
61) Bromoform	9.77	173	79784	50.964	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	221170	50.560	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	223611	50.152	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	214941	50.021	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	32474	46.393	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	159145	50.590	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	145235	49.855	ug/L	99
69) Naphthalene	13.54	128	440082	47.641	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	141842	50.507	ug/L	100

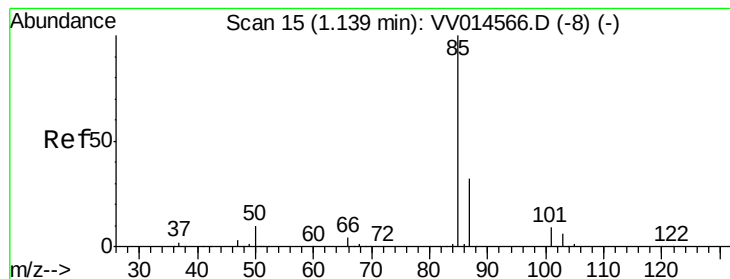
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.873 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

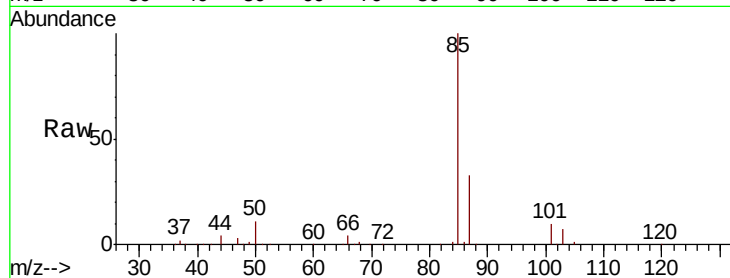
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 108081

Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

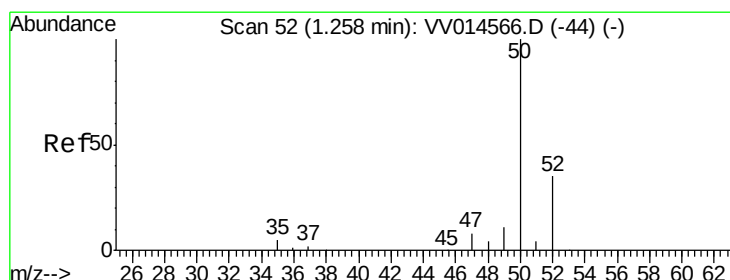
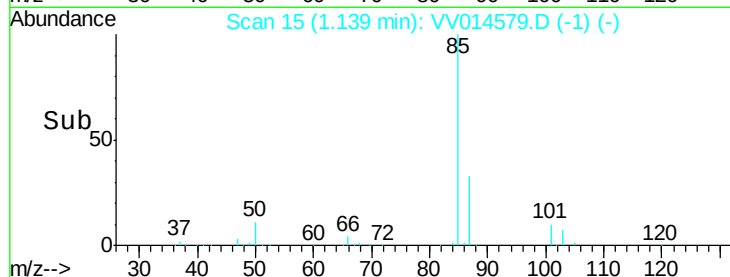
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.133 ug/L

RT: 1.26 min Scan# 52

Delta R.T. -0.00 min

Lab File: VV014579.D

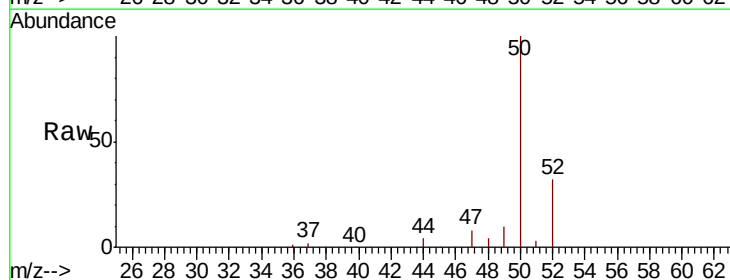
Acq: 13 Feb 2020 09:57

Tgt Ion: 50 Resp: 90732

Ion Ratio Lower Upper

50 100

52 32.0 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.26

100000

80000

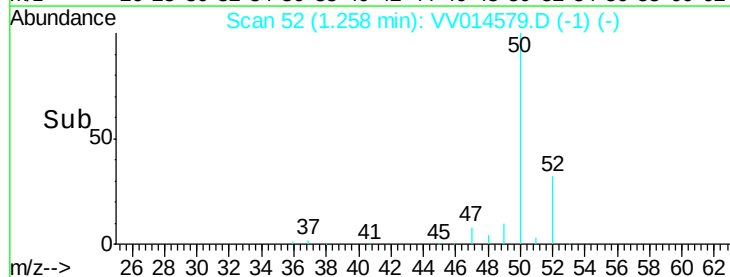
60000

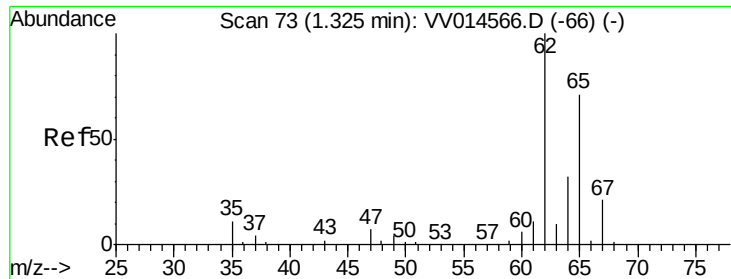
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.761 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

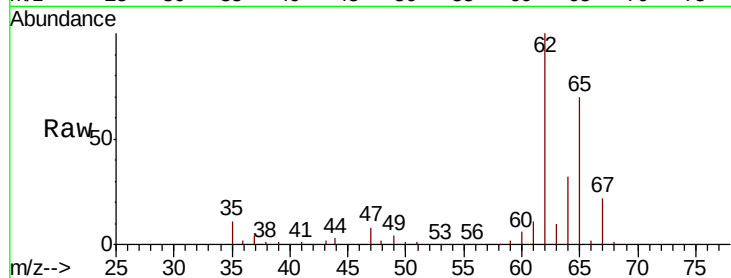
ClientSampled :

Tot Ion: 62 Resp: 68079

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

60000

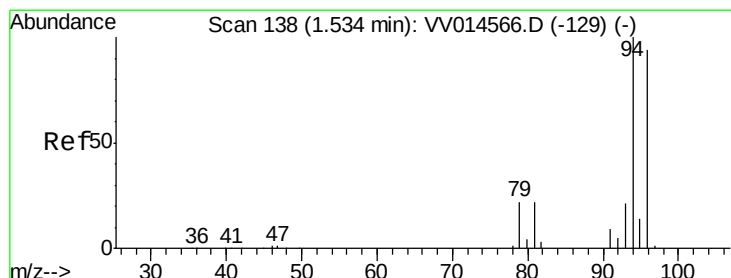
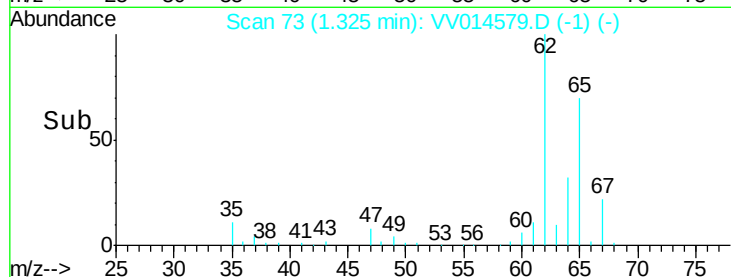
40000

20000

0

Time-->

1.30 1.35



#6

Bromomethane

Concen: 54.179 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014579.D

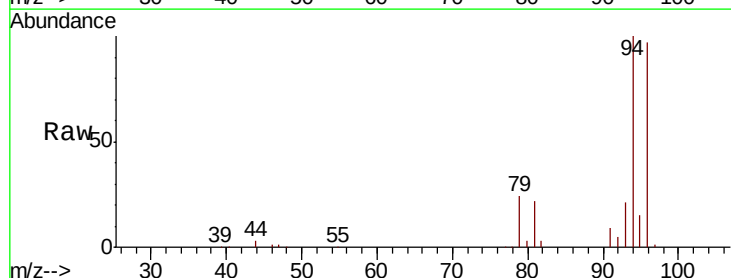
Acq: 13 Feb 2020 09:57

Tgt Ion: 94 Resp: 36067

Ion Ratio Lower Upper

94 100

96 97.2 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

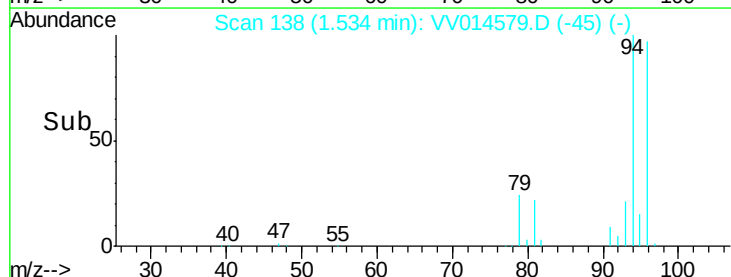
20000

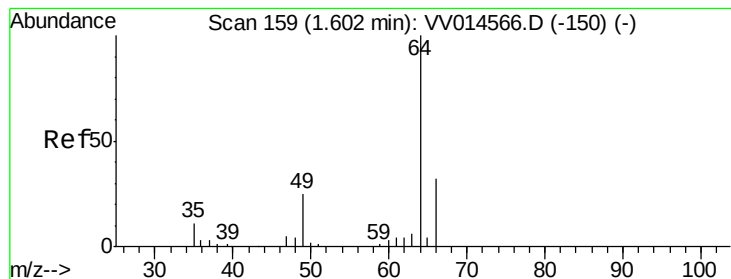
10000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 48.342 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

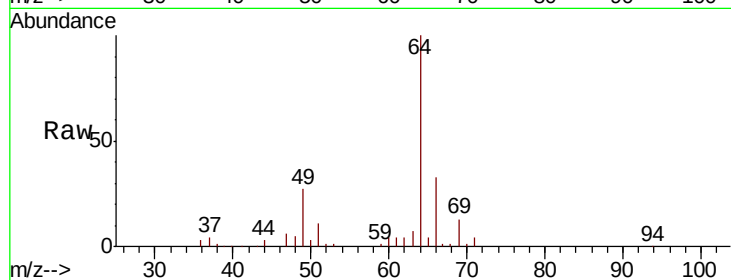
ClientSampleId :

Tot Ion: 64 Resp: 33217

Ion Ratio Lower Upper

64 100

66 33.0 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

1.60

30000

25000

20000

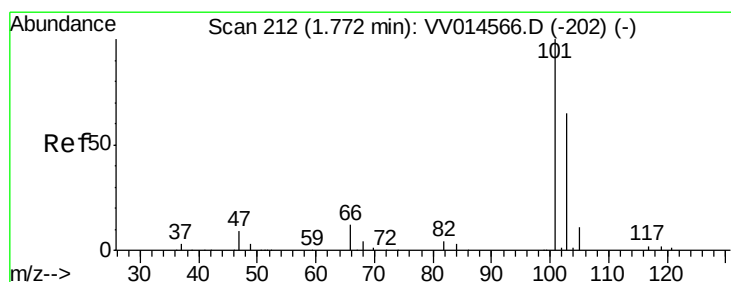
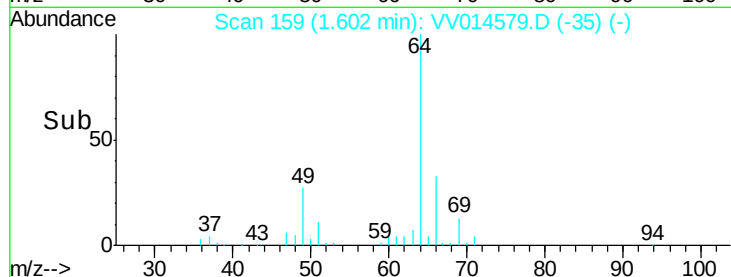
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 50.337 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV014579.D

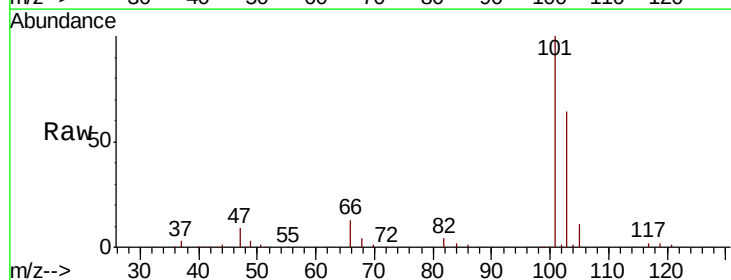
Acq: 13 Feb 2020 09:57

Tgt Ion: 101 Resp: 118969

Ion Ratio Lower Upper

101 100

103 65.2 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

100000

80000

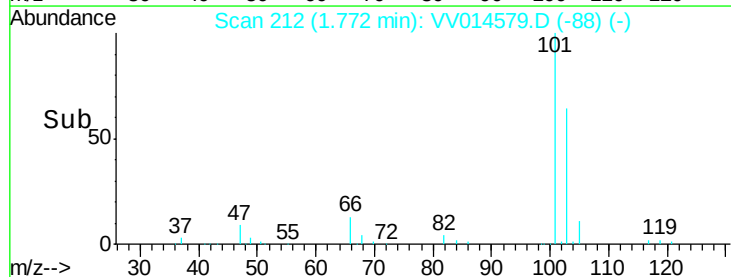
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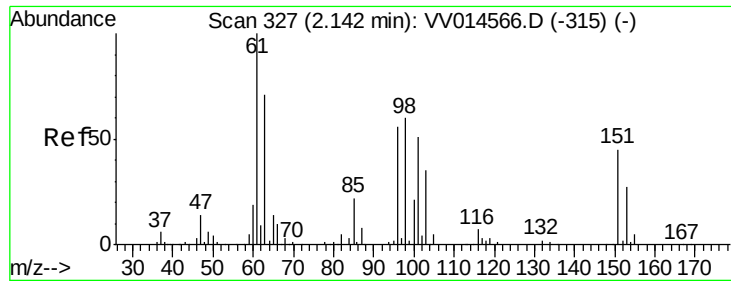
40000

20000

0

Time-->





#10

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

Concen: 51.125 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

ClientSampled :

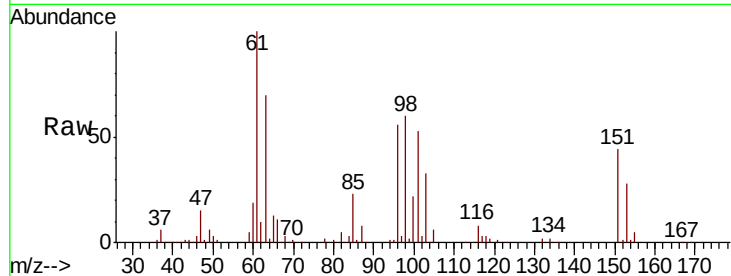
Tot Ion:101 Resp: 51509

Ion Ratio Lower Upper

101 100

85 44.1 35.4 53.0

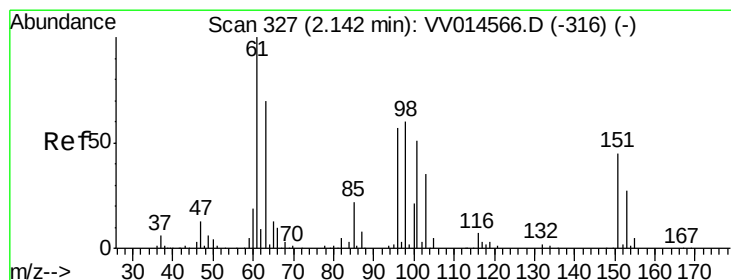
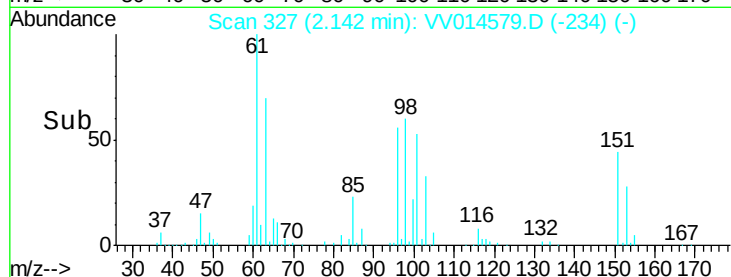
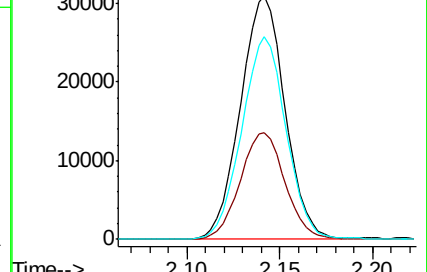
151 82.5 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV014566.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV014566.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV014566.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 49.797 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

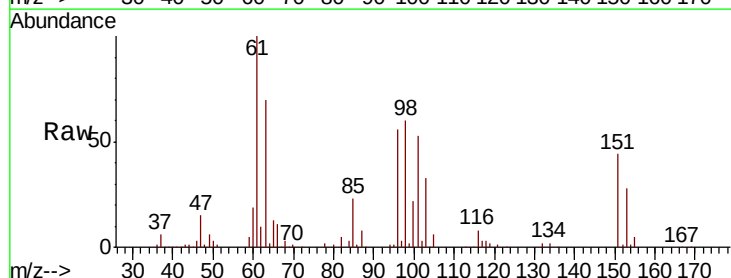
Tgt Ion: 96 Resp: 46638

Ion Ratio Lower Upper

96 100

61 178.5 124.2 230.6

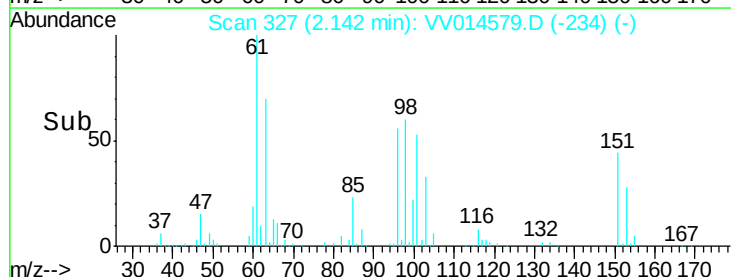
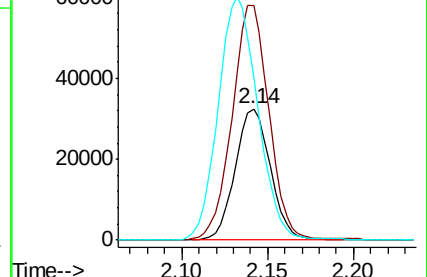
63 124.3 89.2 165.8

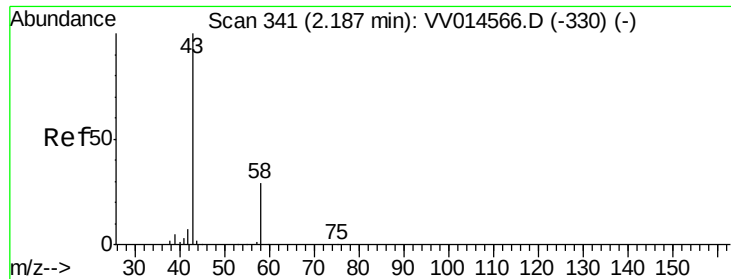


Abundance Ion 96.00 (95.70 to 96.70): VV014566.D (-316) (-)

Ion 61.00 (60.70 to 61.70): VV014566.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV014566.D (-316) (-)





#13

Acetone

Concen: 87.498 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

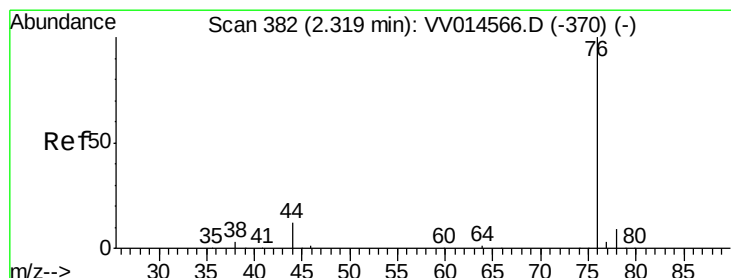
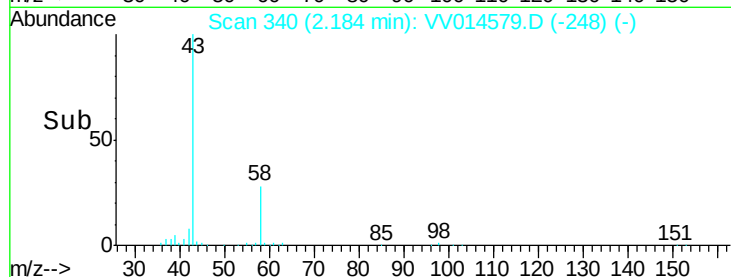
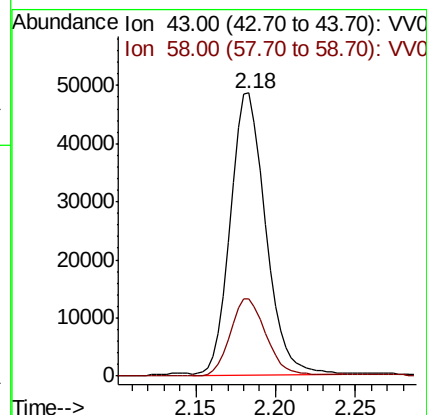
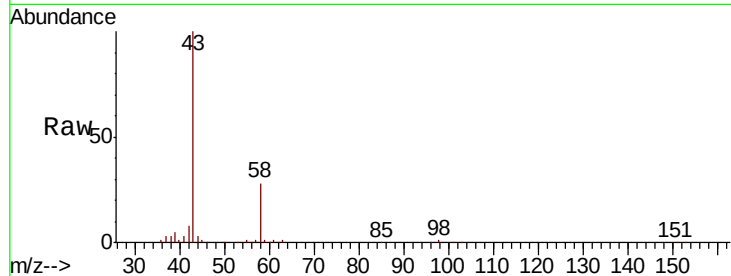
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 73002

Ion Ratio Lower Upper

43 100

58 28.0 0.0 58.8



#14

Carbon disulfide

Concen: 48.664 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014579.D

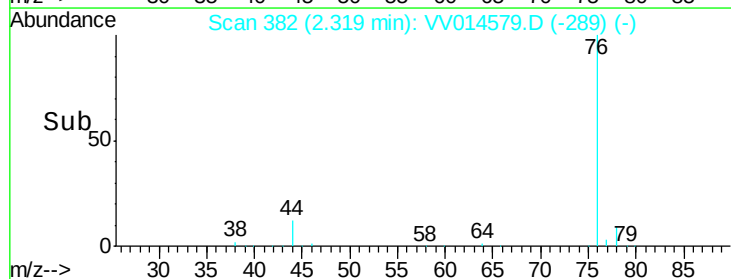
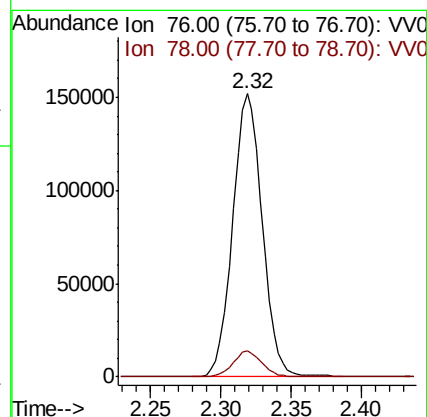
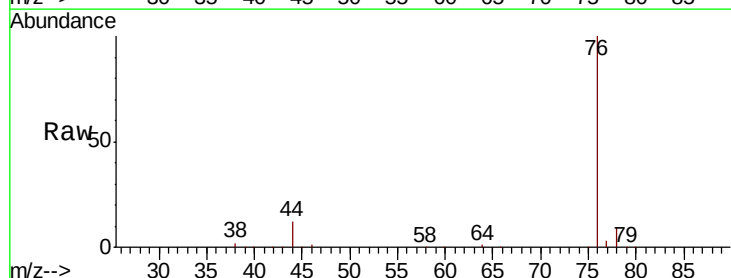
Acq: 13 Feb 2020 09:57

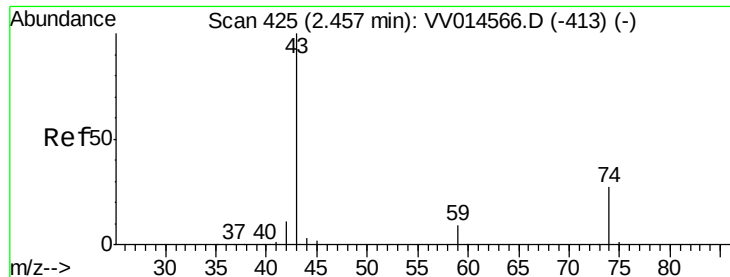
Tgt Ion: 76 Resp: 223103

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methvl Acetate

Concen: 46.734 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

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Acq: 13 Feb 2020 09:57

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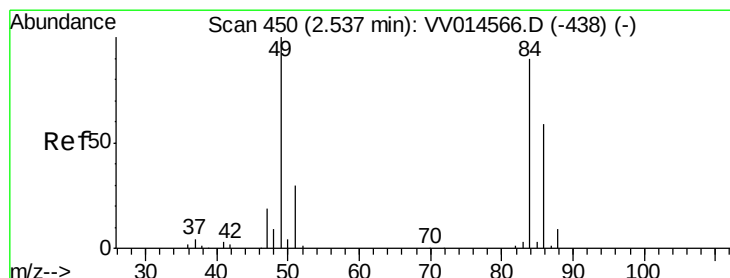
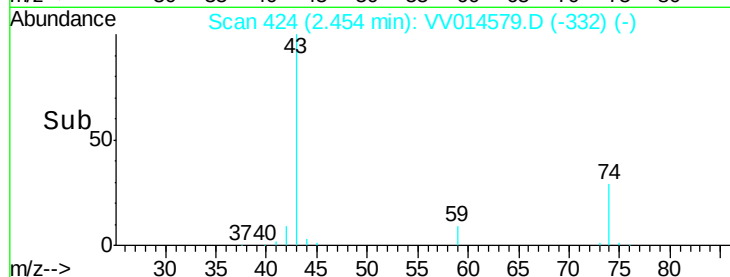
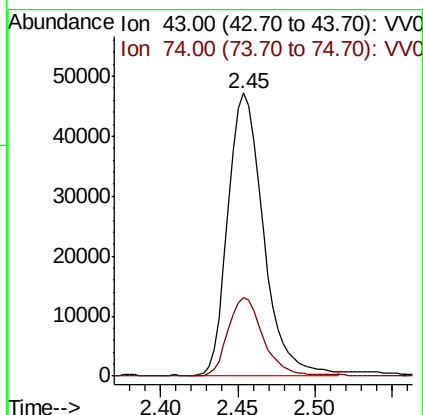
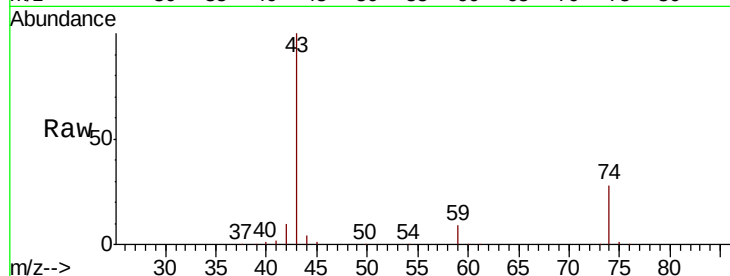
ClientSampled :

Tot Ion: 43 Resp: 74732

Ion Ratio Lower Upper

43 100

74 27.5 21.4 32.2



#16

Methylene chloride

Concen: 48.440 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

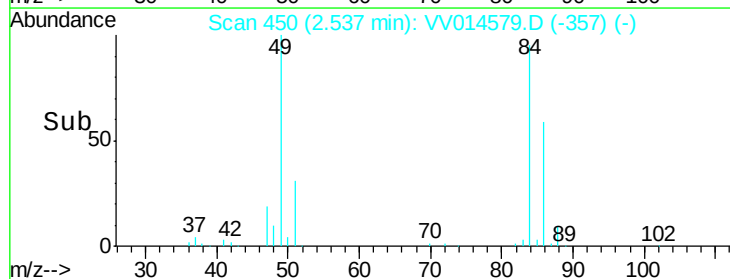
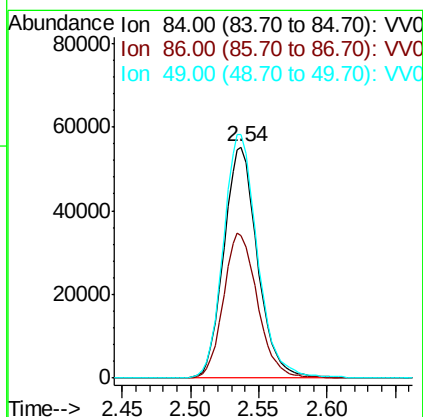
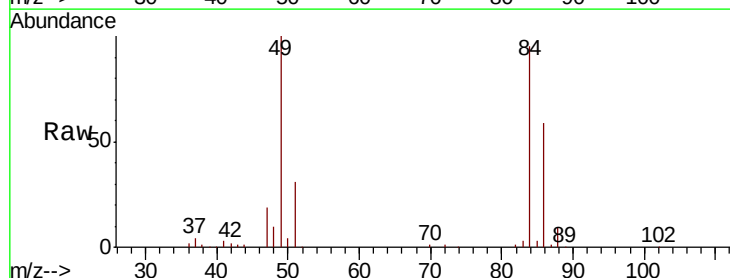
Tgt Ion: 84 Resp: 94826

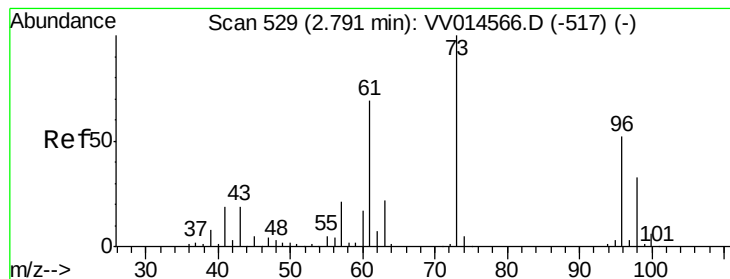
Ion Ratio Lower Upper

84 100

86 61.5 46.3 86.1

49 105.1 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 48.825 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

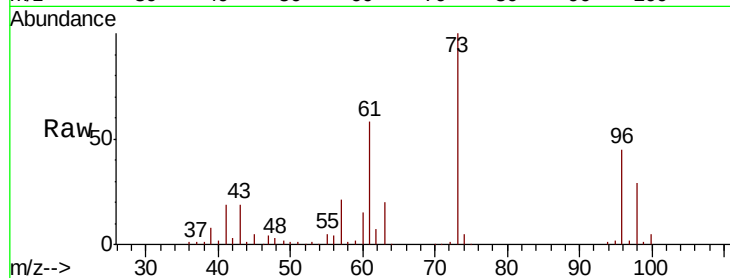
Tot Ion: 96 Resp: 90203

Ion Ratio Lower Upper

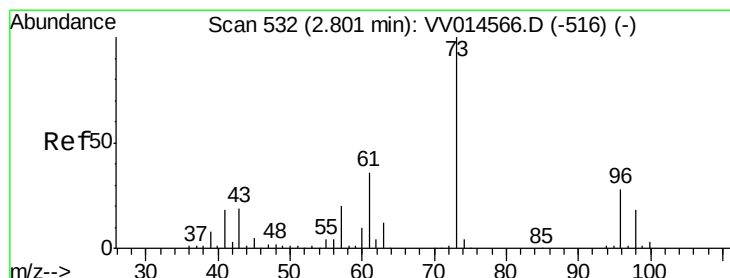
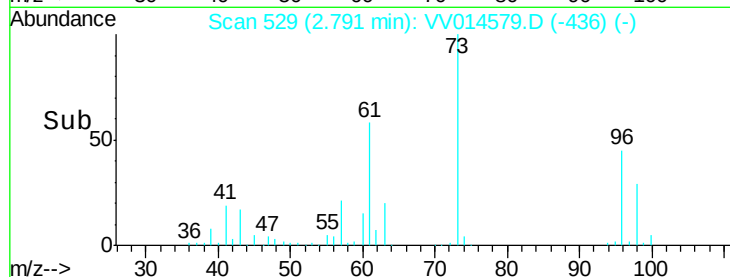
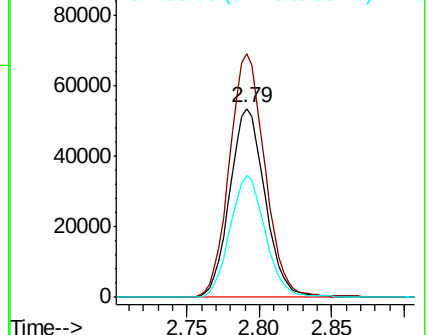
96 100

61 128.8 93.0 172.6

98 64.3 44.2 82.0



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



#18

Methyl tert-butyl Ether

Concen: 49.233 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

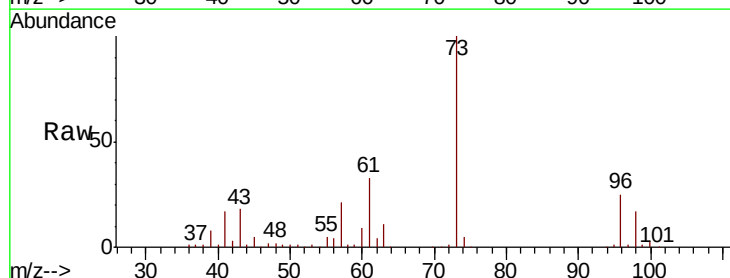
Tgt Ion: 73 Resp: 291676

Ion Ratio Lower Upper

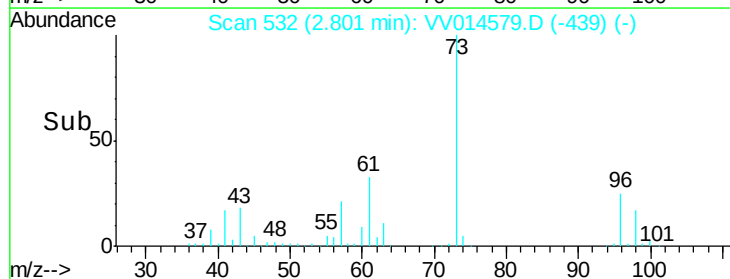
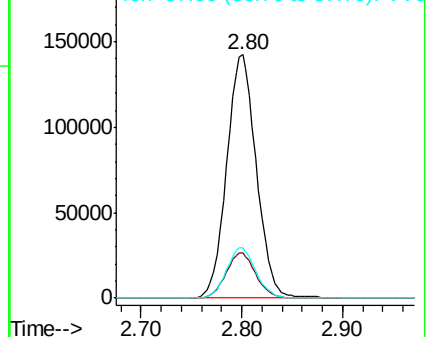
73 100

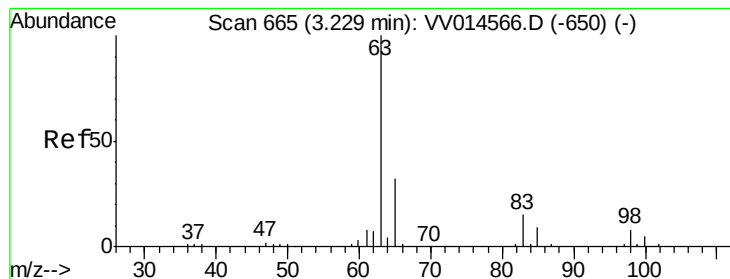
43 18.6 15.1 22.7

57 20.4 16.2 24.4



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: 49.827 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

ClientSampled :

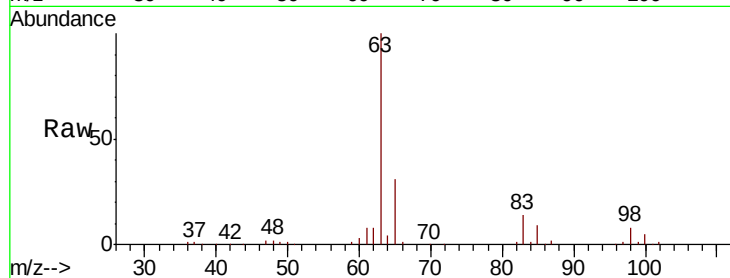
Tot Ion: 63 Resp: 161413

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

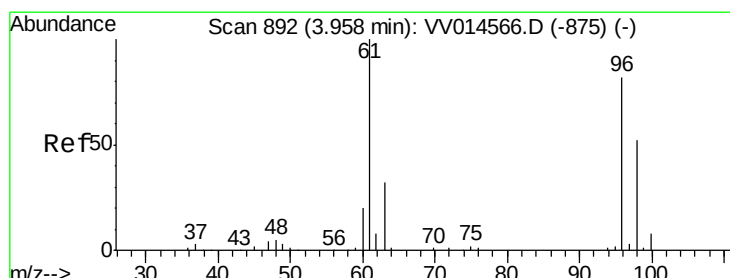
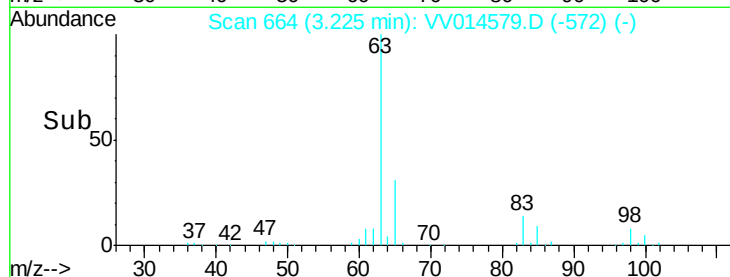
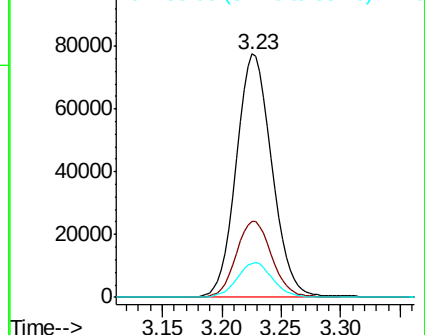
83 14.1 10.4 19.2



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: 49.263 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

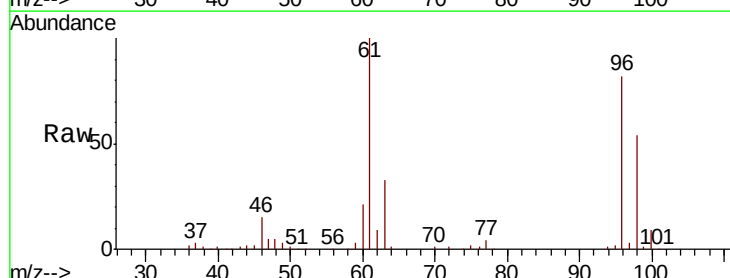
Tgt Ion: 96 Resp: 105222

Ion Ratio Lower Upper

96 100

61 121.3 85.9 159.5

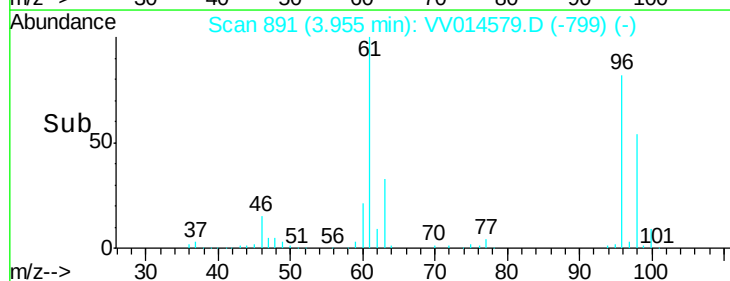
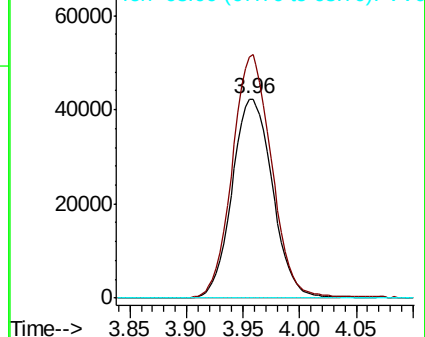
68 0.0 0.0 0.0

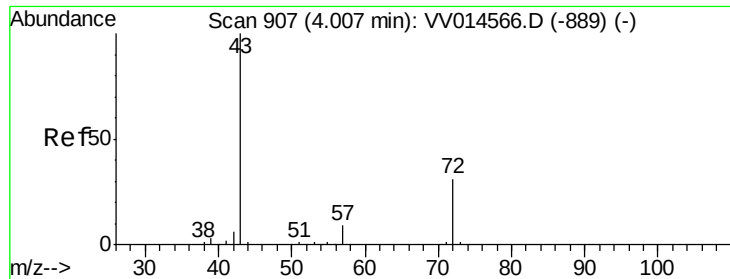


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 103.051 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.01 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

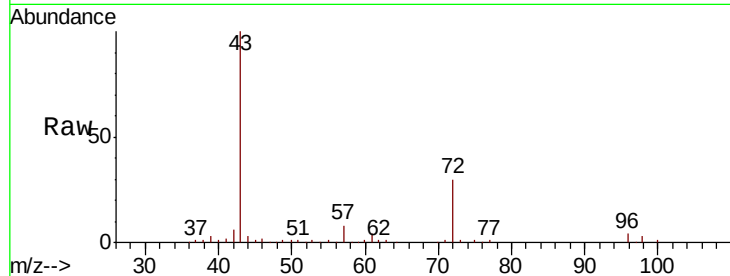
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 128912

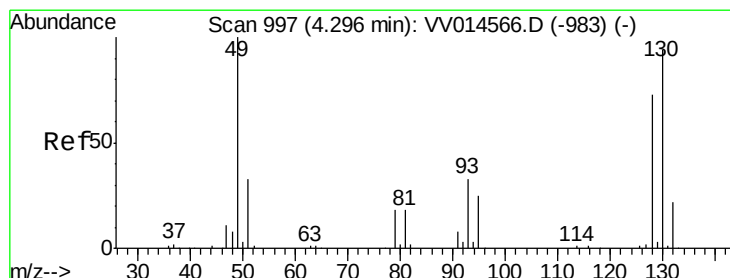
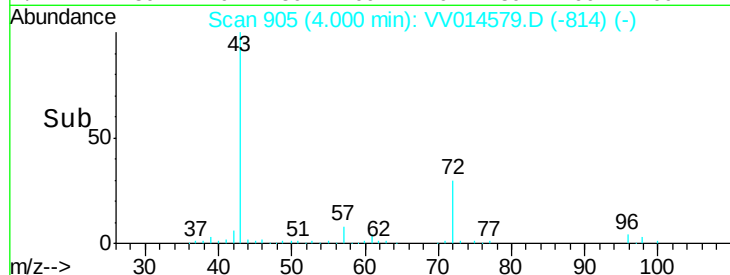
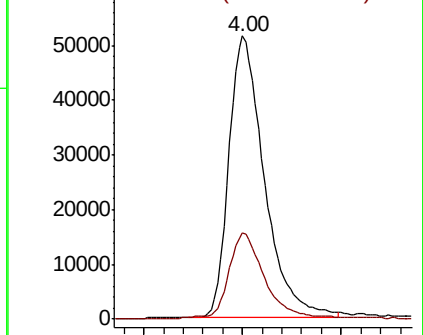
Ion Ratio Lower Upper

43 100

72 28.5 15.9 47.7



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-889) (-)



#23

Bromochloromethane

Concen: 50.295 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Tgt Ion: 128 Resp: 52032

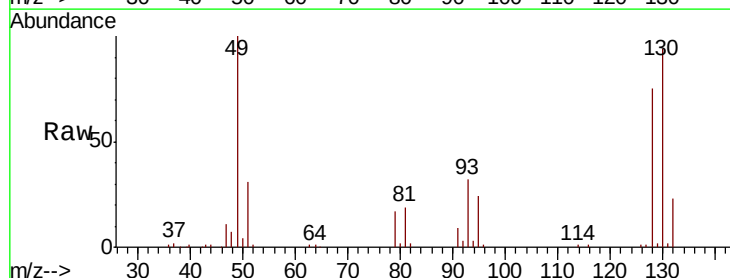
Ion Ratio Lower Upper

128 100

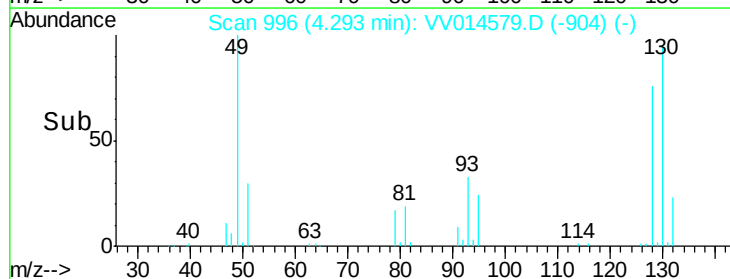
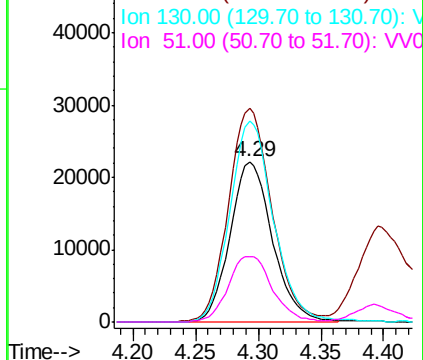
49 133.2 97.1 180.3

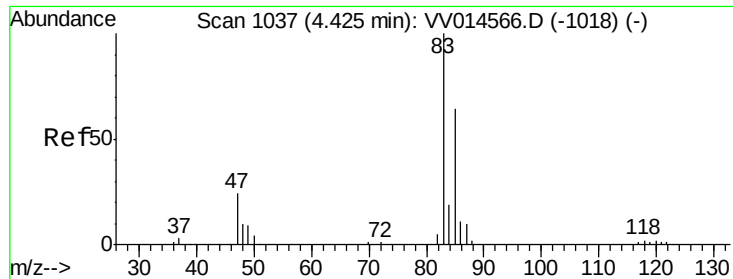
130 125.0 90.7 168.5

51 40.9 36.4 54.6



Abundance Ion 128.00 (127.70 to 128.70): VV014566.D (-983) (-)

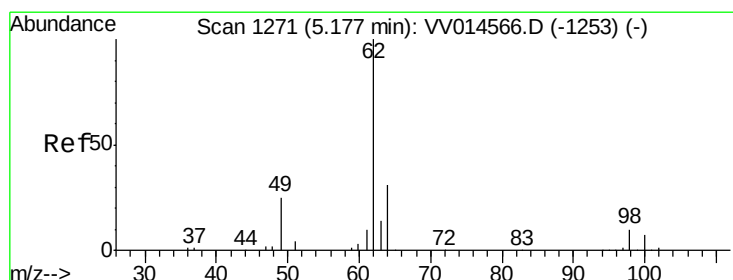
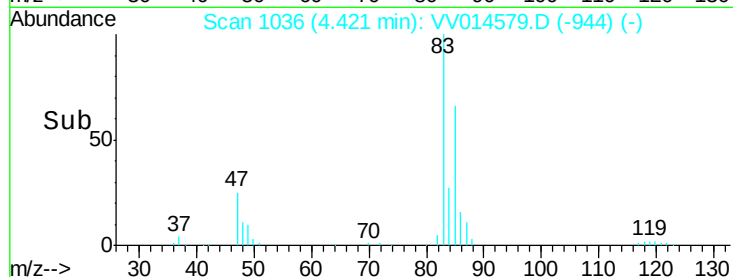
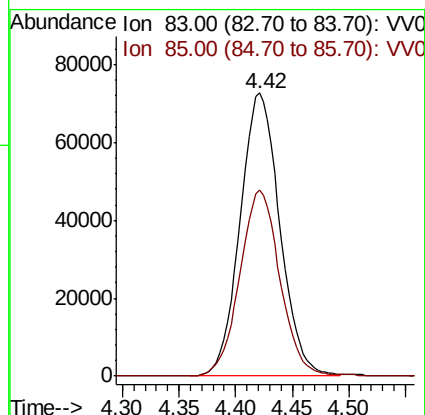
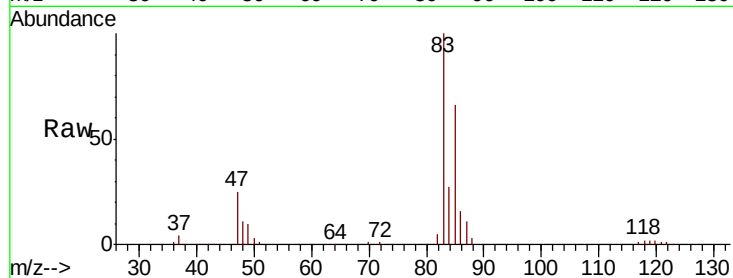




#25
Chloroform
Concen: 49.574 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014579.D
Acq: 13 Feb 2020 09:57

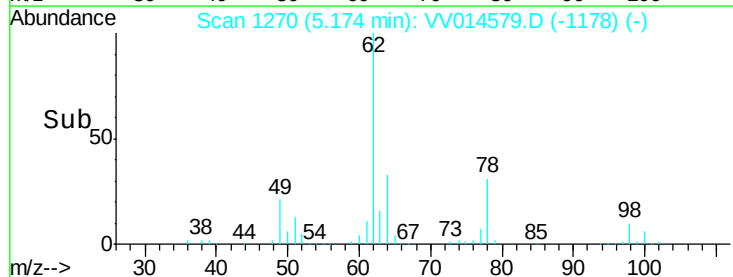
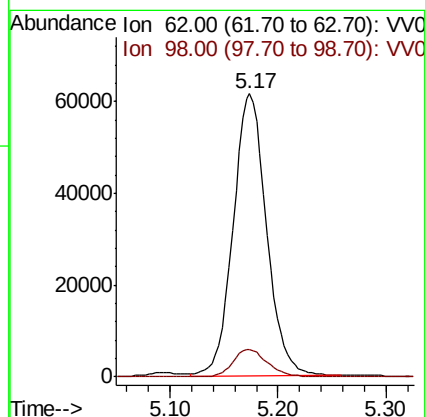
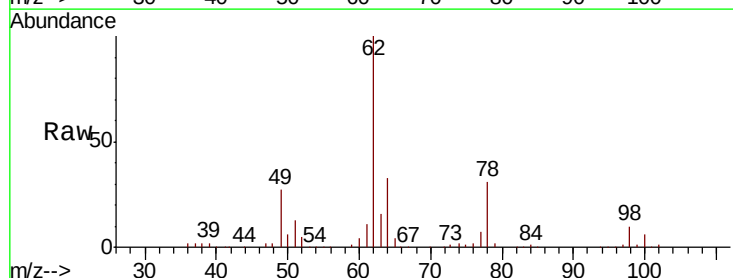
Instrument :
MSVOA_V
ClientSampleId :

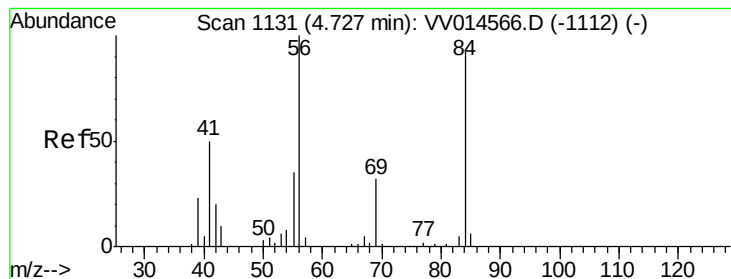
Tot Ion: 83 Resp: 177687
Ion Ratio Lower Upper
83 100
85 65.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 50.464 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014579.D
Acq: 13 Feb 2020 09:57

Tgt Ion: 62 Resp: 133356
Ion Ratio Lower Upper
62 100
98 9.7 7.9 11.9





#29

Cyclohexane

Concen: 49.146 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

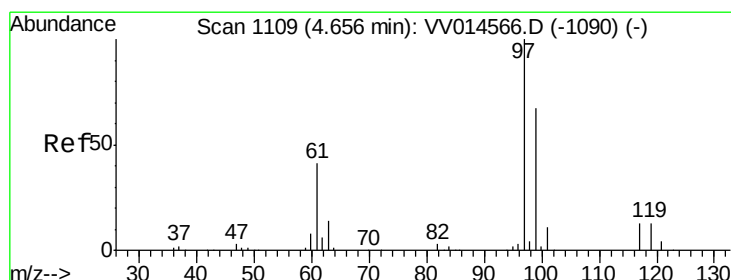
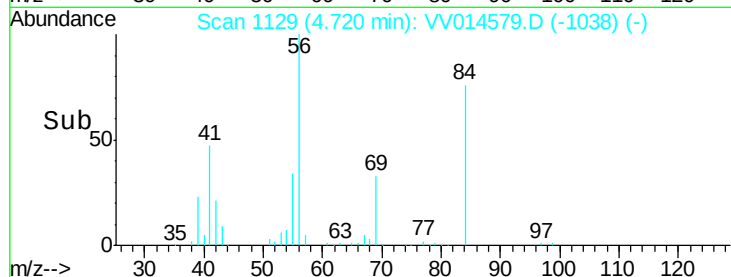
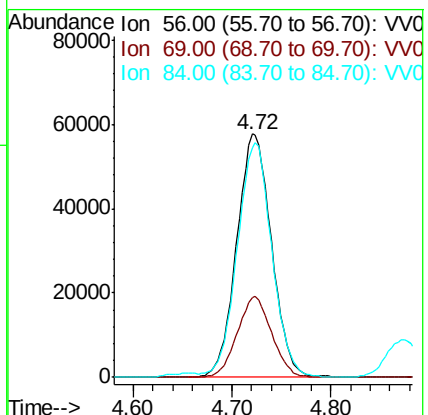
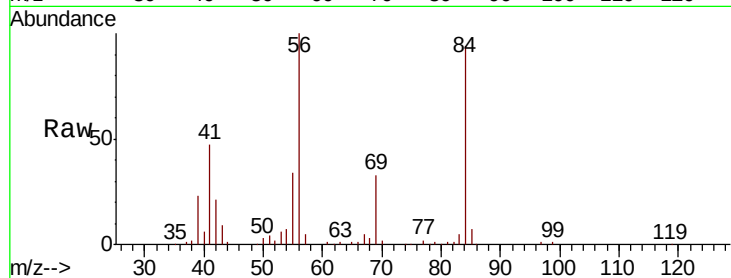
Tot Ion: 56 Resp: 140909

Ion Ratio Lower Upper

56 100

69 32.7 26.5 39.7

84 96.3 75.8 113.8



#30

1,1,1-Trichloroethane

Concen: 50.410 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

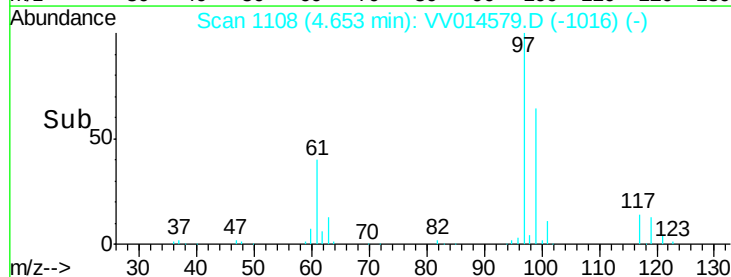
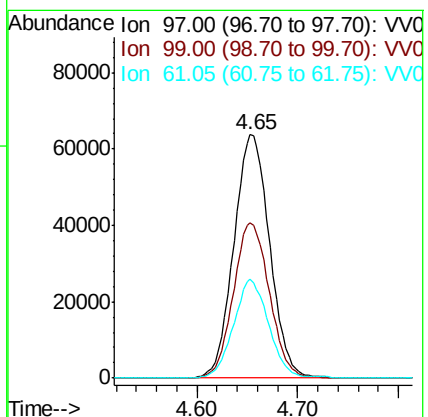
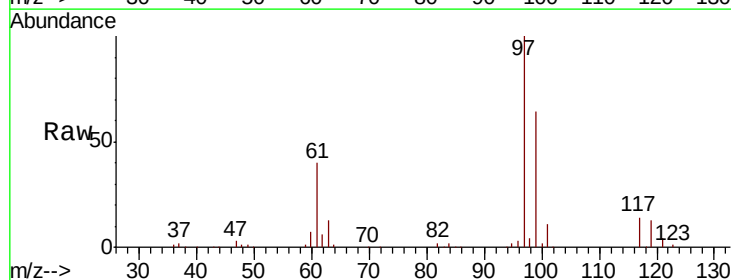
Tgt Ion: 97 Resp: 157062

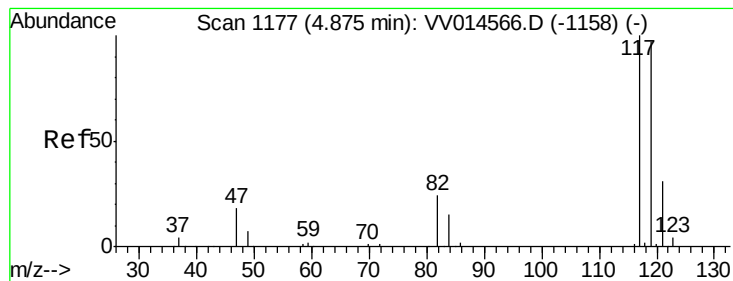
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 39.8 32.4 48.6





#31

Carbon tetrachloride

Concen: 50.359 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

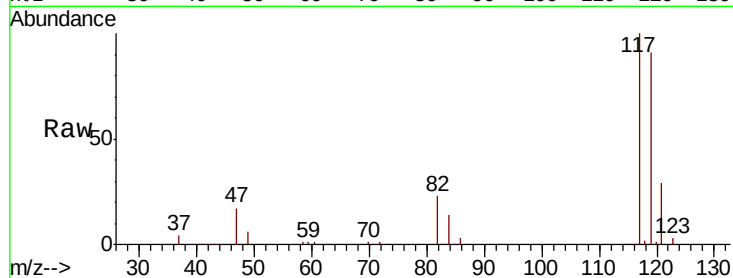
ClientSampleId :

Tot Ion:117 Resp: 141678

Ion Ratio Lower Upper

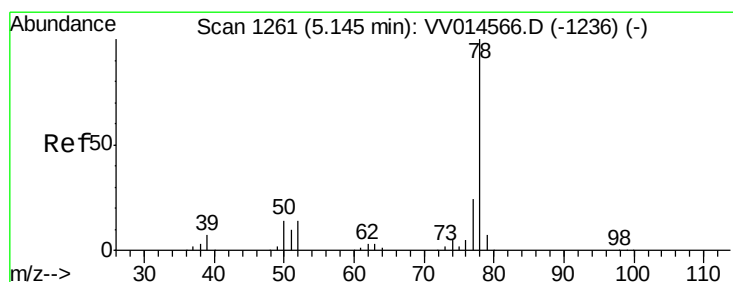
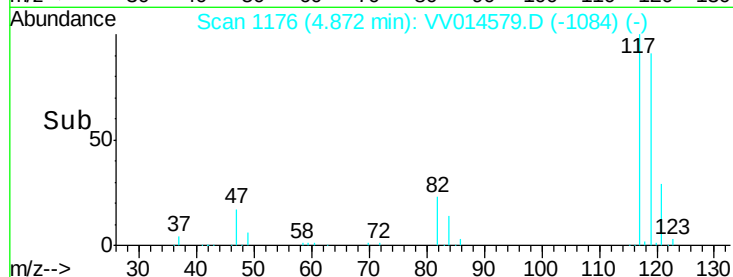
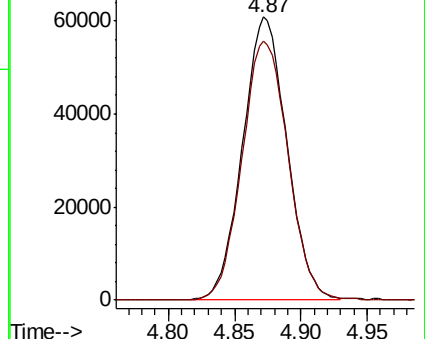
117 100

119 95.0 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.510 ug/L

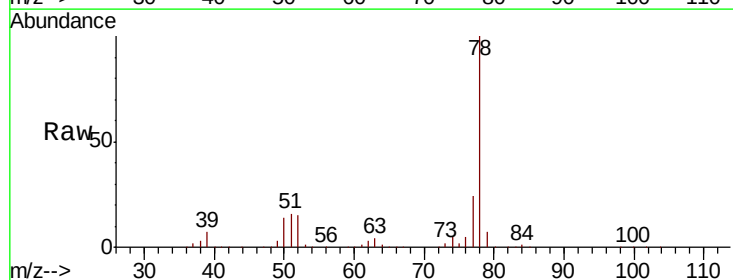
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Tgt Ion: 78 Resp: 372291



Abundance Ion 78.00 (77.70 to 78.70): VV0

200000

150000

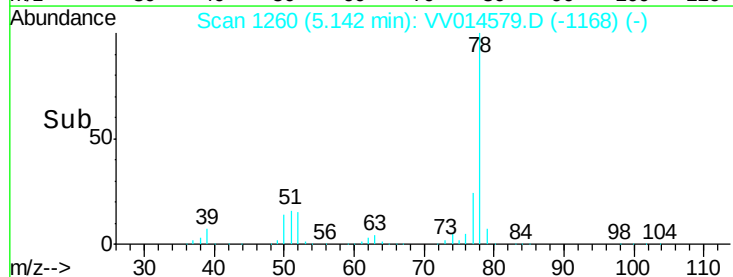
100000

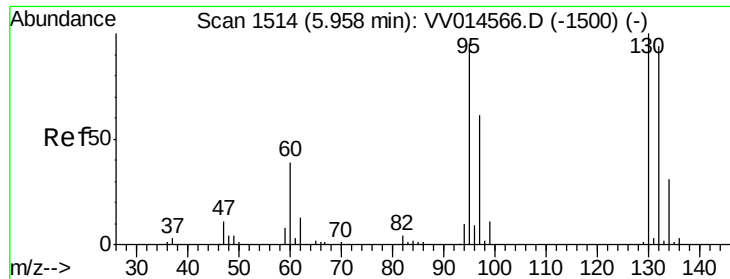
50000

0

Time-->

Chromatogram showing abundance (0 to 200000) versus time (5.00 to 5.20 minutes). A single sharp peak is labeled at 5.14.





#34

Trichloroethene

Concen: 50.684 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 102846

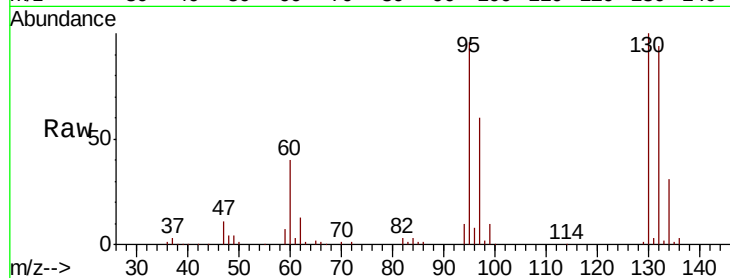
Ion Ratio Lower Upper

95 100

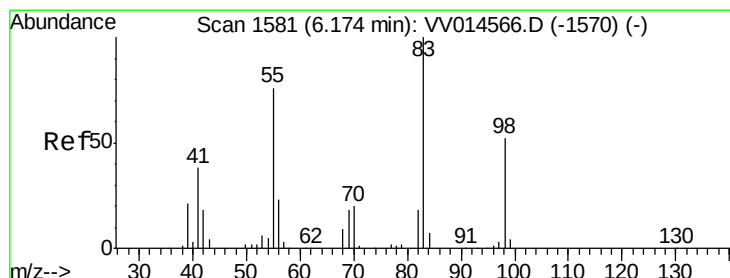
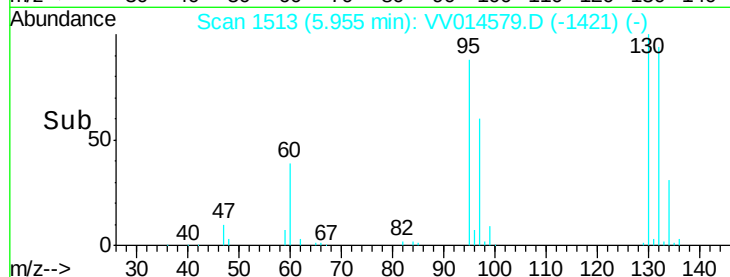
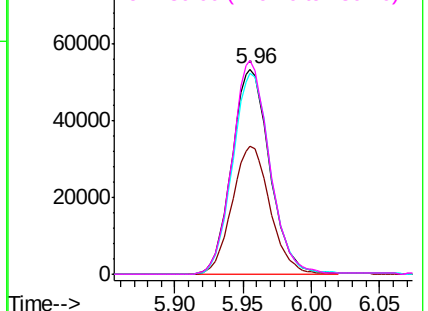
97 62.3 45.3 84.1

132 97.8 69.6 129.2

130 104.0 74.0 137.4



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: 50.423 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

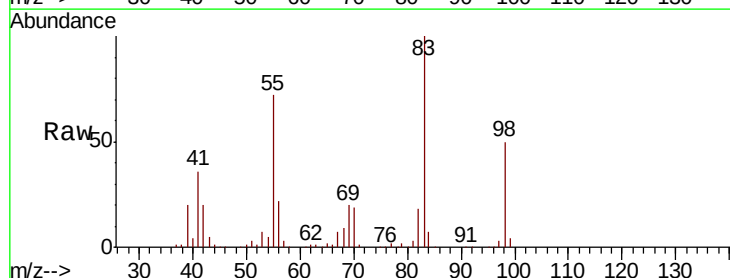
Tgt Ion: 83 Resp: 160196

Ion Ratio Lower Upper

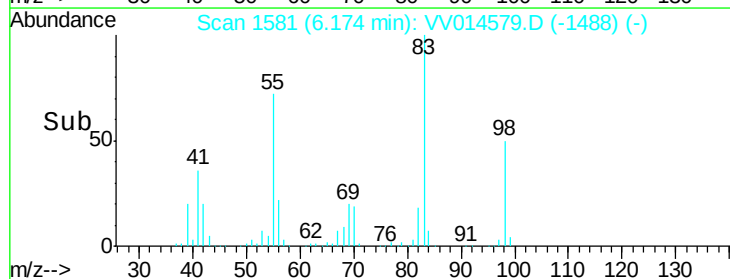
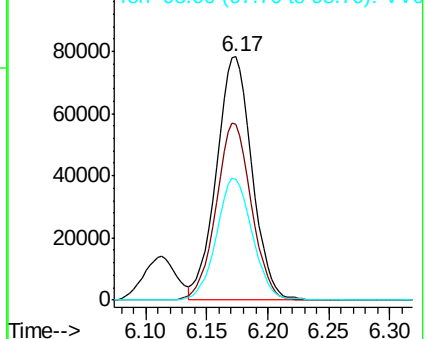
83 100

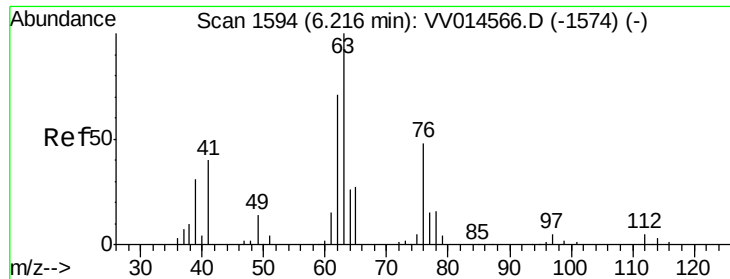
55 71.9 57.8 86.6

98 49.9 39.7 59.5



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

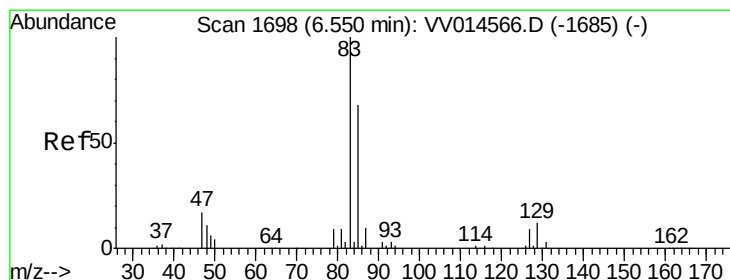
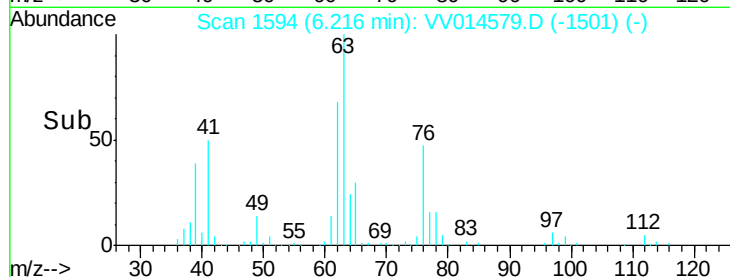
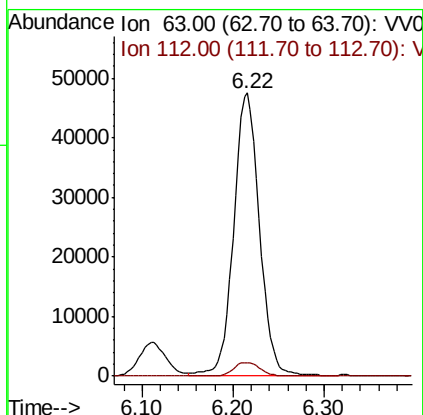
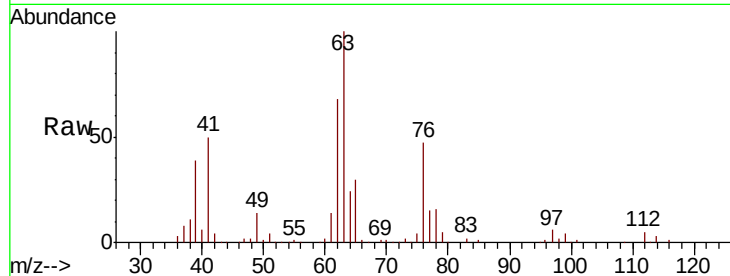




#37
 1,2-Dichloropropane
 Concen: 50.527 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

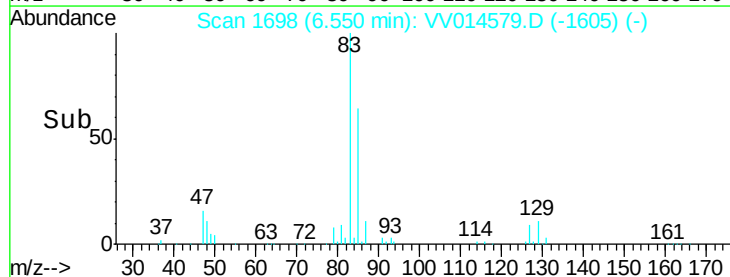
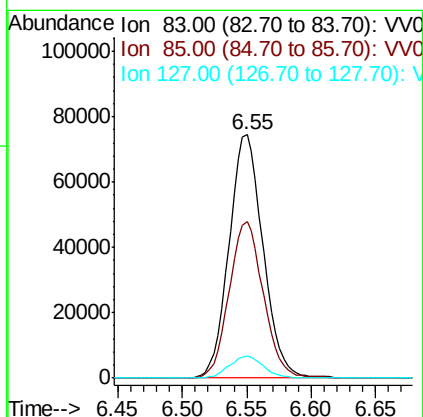
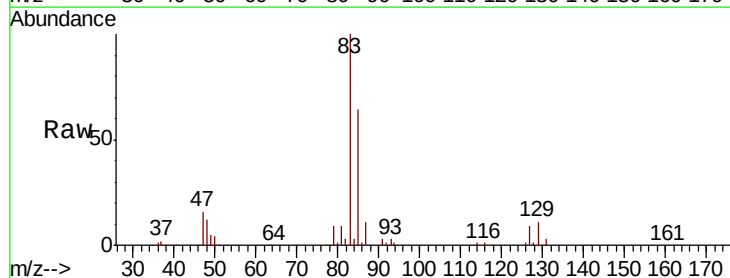
Instrument :
 MSVOA_V
 ClientSampled :

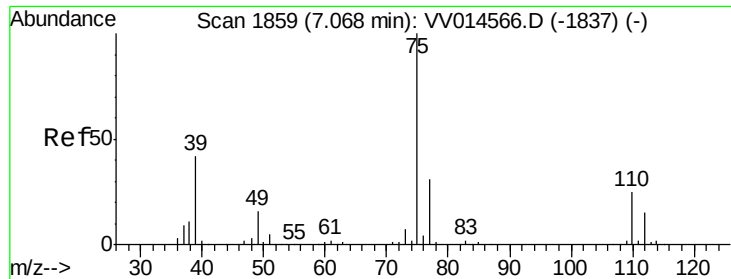
Tot Ion: 63 Resp: 93817
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.1 6.1



#38
 Bromodichloromethane
 Concen: 50.165 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Tgt Ion: 83 Resp: 136583
 Ion Ratio Lower Upper
 83 100
 85 64.1 47.3 87.8
 127 9.0 7.5 11.3

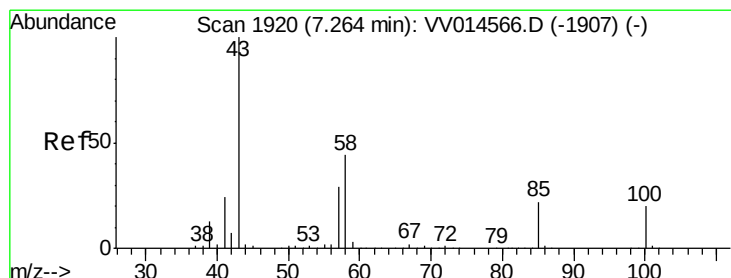
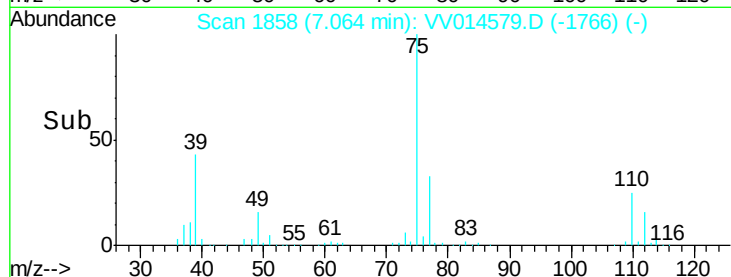
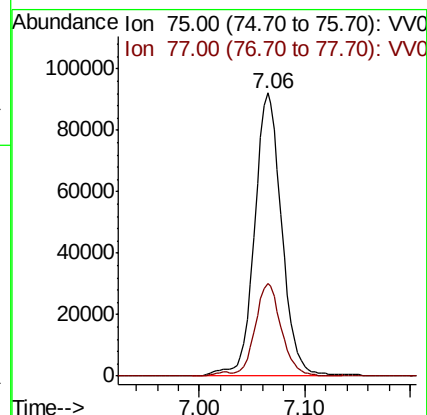
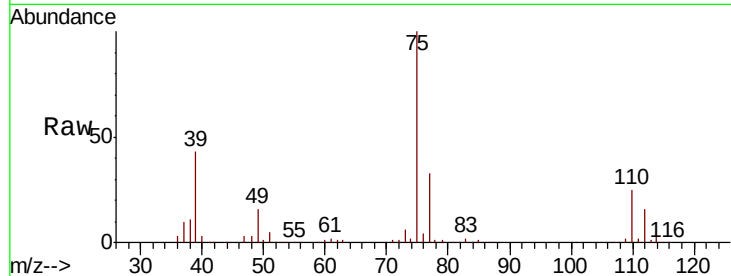




#39
 cis-1,3-Dichloropropene
 Concen: 50.633 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

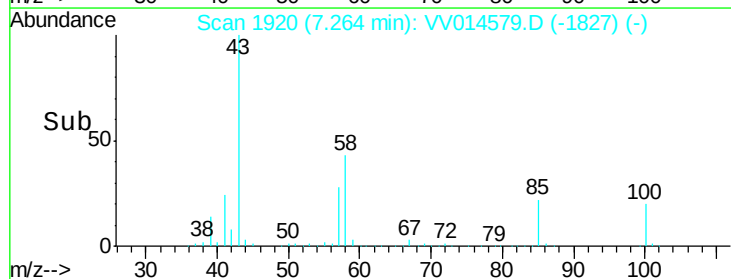
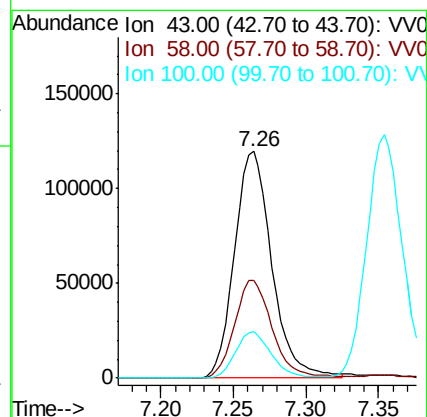
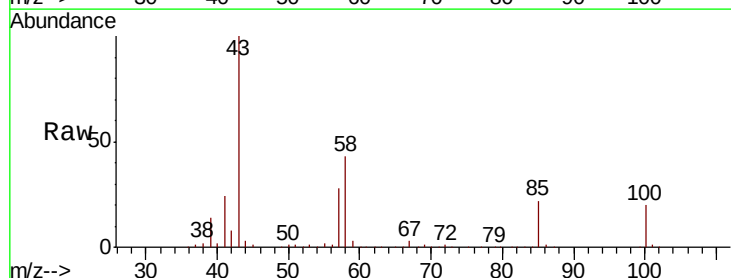
Instrument :
 MSVOA_V
 ClientSampleId :

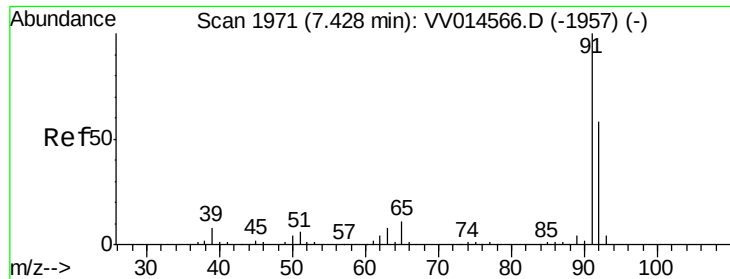
Tot Ion: 75 Resp: 165969
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 93.308 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Tgt Ion: 43 Resp: 214006
 Ion Ratio Lower Upper
 43 100
 58 43.6 35.0 52.6
 100 19.9 15.7 23.5





#42

Toluene

Concen: 50.038 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

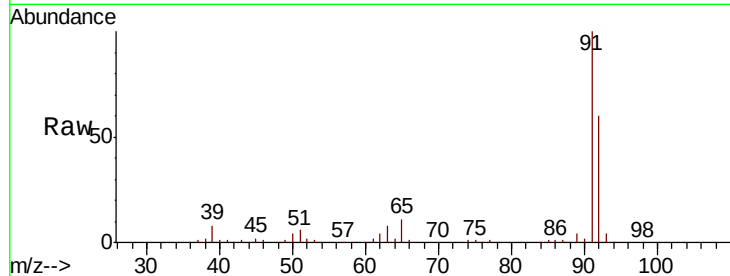
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 410309

Ion Ratio Lower Upper

91 100

92 59.9 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.42

250000

200000

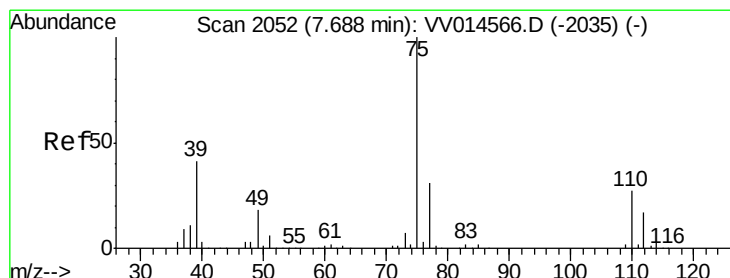
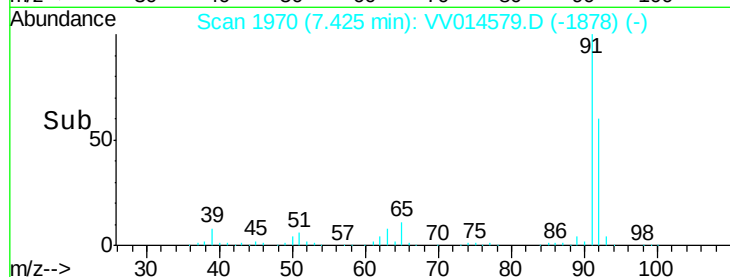
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.703 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014579.D

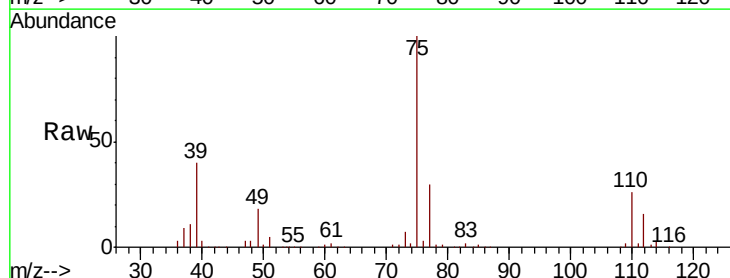
Acq: 13 Feb 2020 09:57

Tgt Ion: 75 Resp: 150096

Ion Ratio Lower Upper

75 100

77 30.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

100000

80000

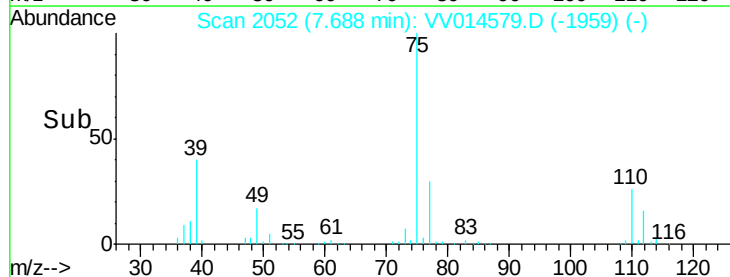
60000

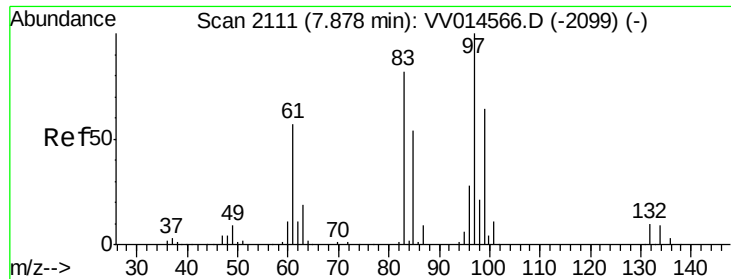
40000

20000

0

Time-->

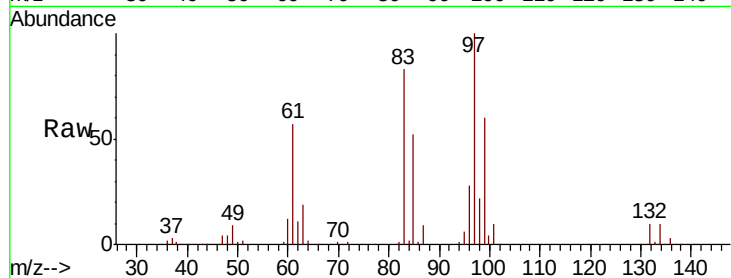




#45
 1,1,2-Trichloroethane
 Concen: 50.233 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	96345
Ion	Ratio	Lower	Upper
97	100		
99	60.1	44.9	83.3
83	82.6	57.5	106.7
85	52.1	37.5	69.7



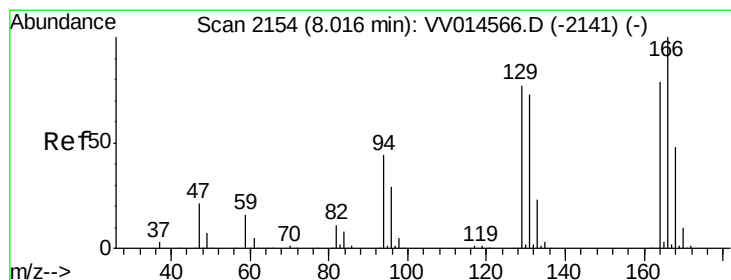
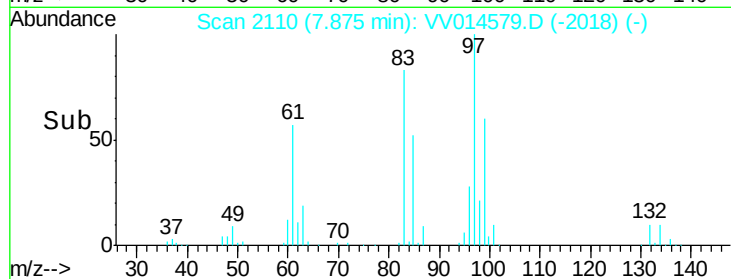
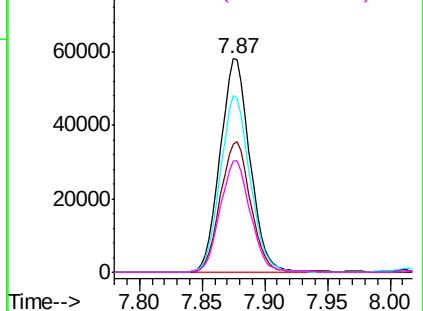
Abundance

Ion 97.00 (96.70 to 97.70): VV014566.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV014566.D (-2099) (-)

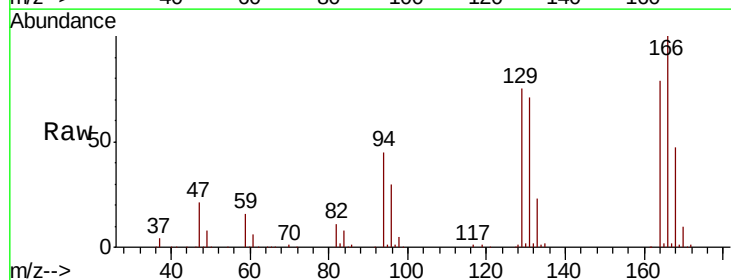
Ion 83.00 (82.70 to 83.70): VV014566.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV014566.D (-2099) (-)



#46
 Tetrachloroethene
 Concen: 51.367 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Tgt Ion:	164	Resp:	81963
Ion	Ratio	Lower	Upper
164	100		
129	95.4	67.8	126.0
131	90.0	64.5	119.9
166	126.9	88.6	164.6



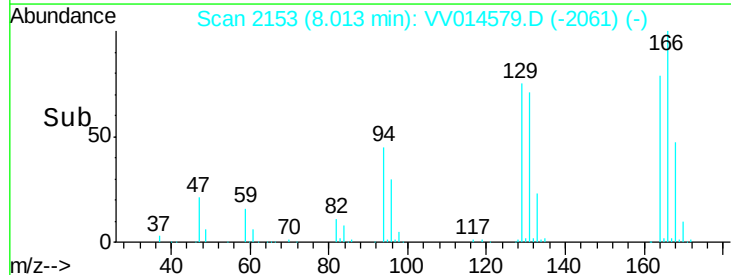
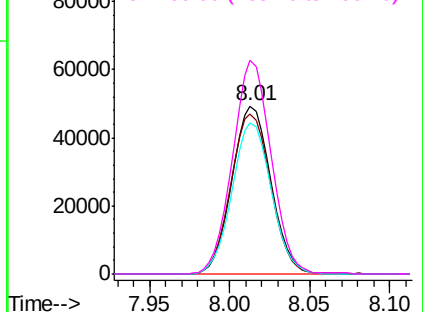
Abundance

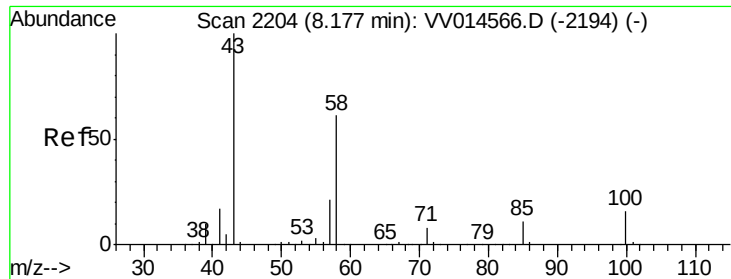
Ion 164.00 (163.70 to 164.70): VV014566.D (-2141) (-)

Ion 129.00 (128.70 to 129.70): VV014566.D (-2141) (-)

Ion 131.00 (130.70 to 131.70): VV014566.D (-2141) (-)

Ion 166.00 (165.70 to 166.70): VV014566.D (-2141) (-)

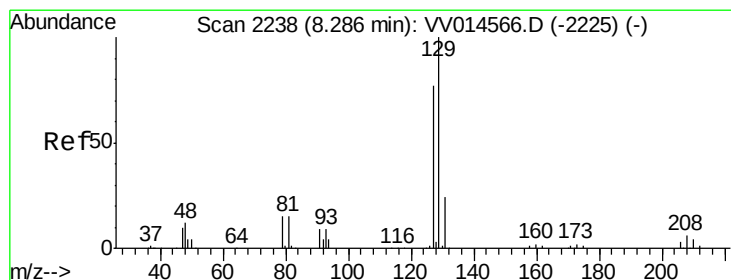
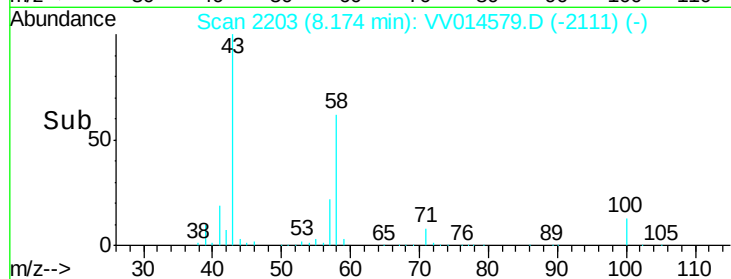
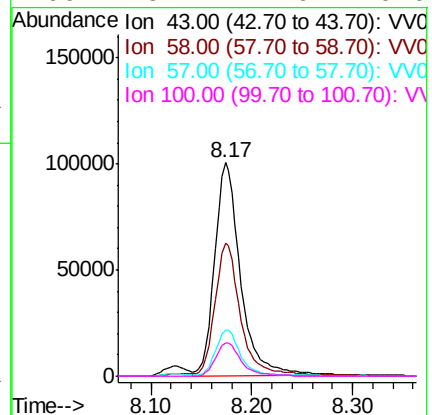
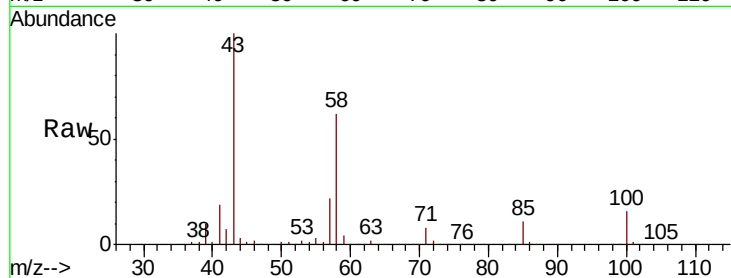




#48
2-Hexanone
Concen: 99.344 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014579.D
Acq: 13 Feb 2020 09:57

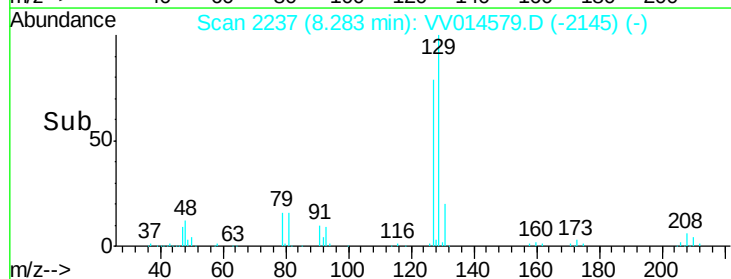
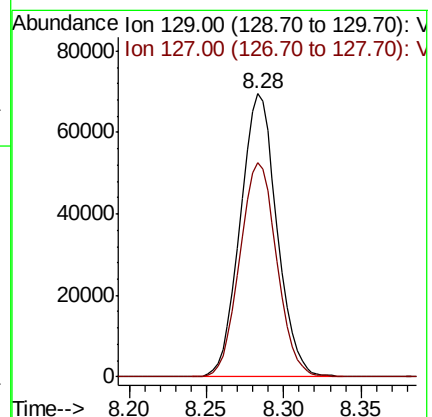
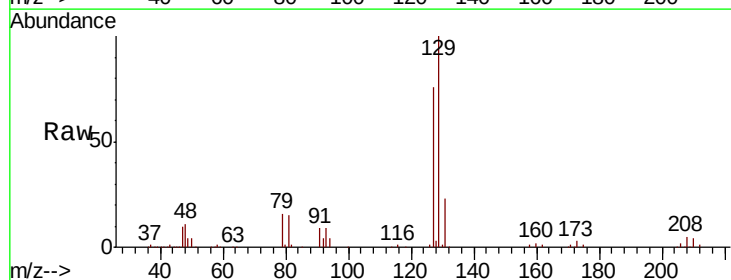
Instrument :
MSVOA_V
ClientSampled :

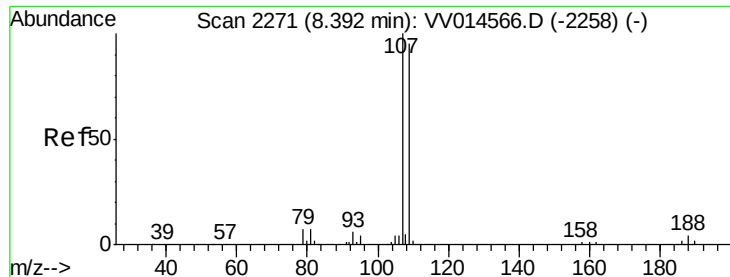
Tot Ion:	43	Resp:	177642
Ion	Ratio	Lower	Upper
43	100		
58	60.0	50.4	75.6
57	20.3	17.8	26.6
100	15.7	12.6	19.0



#49
Dibromochloromethane
Concen: 50.186 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014579.D
Acq: 13 Feb 2020 09:57

Tgt Ion:	129	Resp:	114719
Ion	Ratio	Lower	Upper
129	100		
127	75.7	54.3	100.8

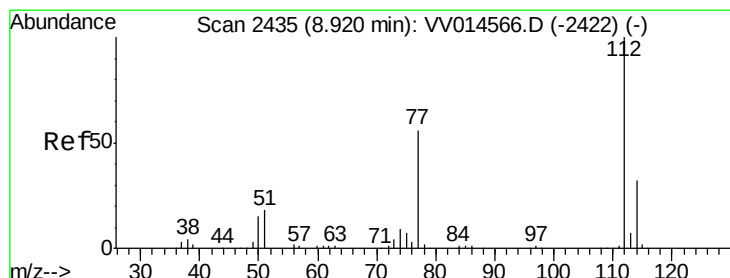
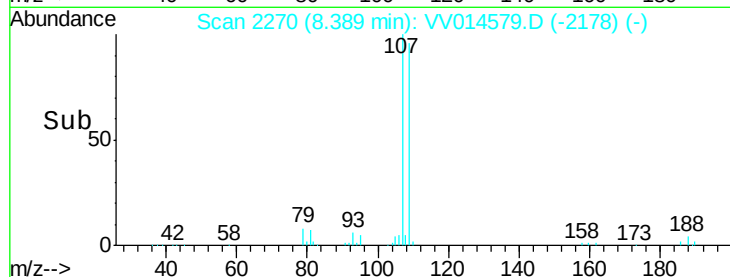
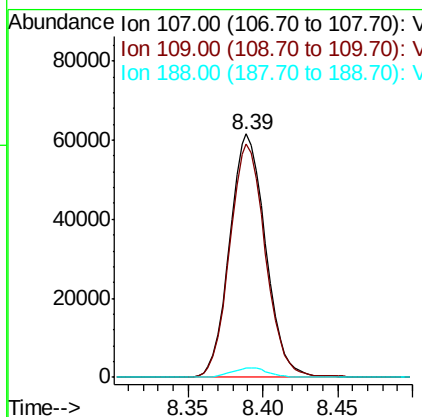
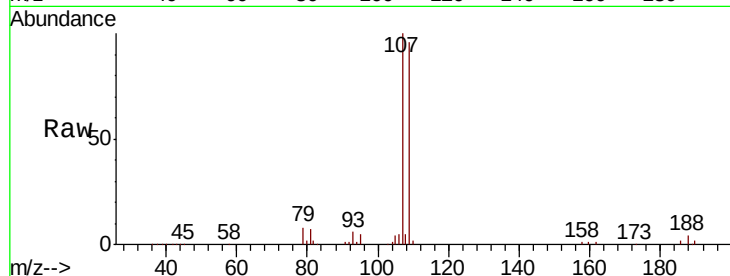




#50
 1,2-Dibromoethane
 Concen: 49.645 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

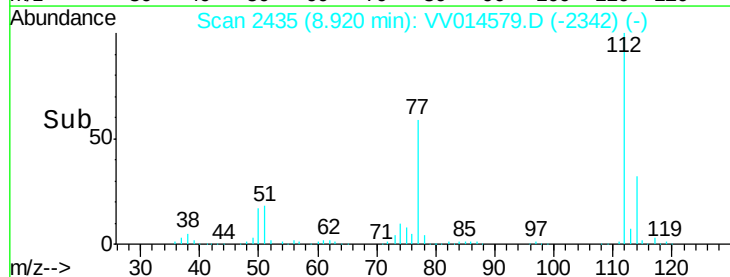
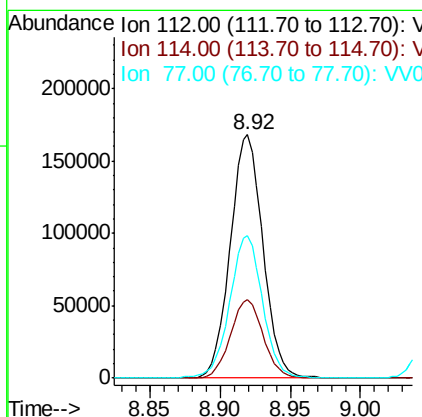
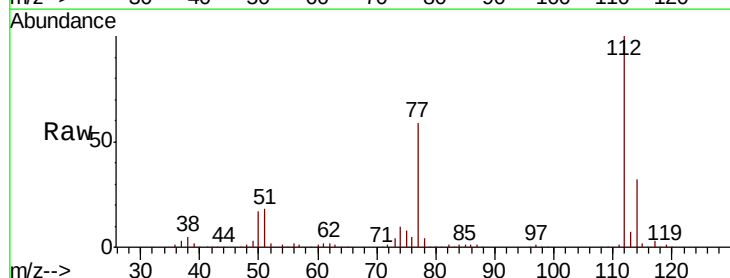
Instrument :
 MSVOA_V
 ClientSampleId :

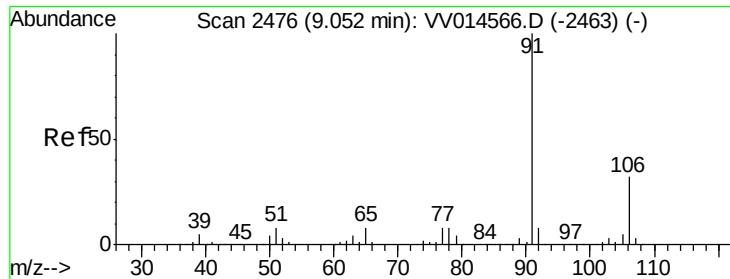
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	66.1	122.8
188	3.8	3.0	4.6



#51
 Chlorobenzene
 Concen: 49.858 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.3
77	58.7	45.3	67.9

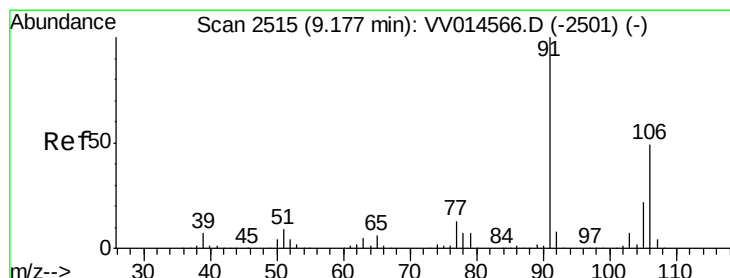
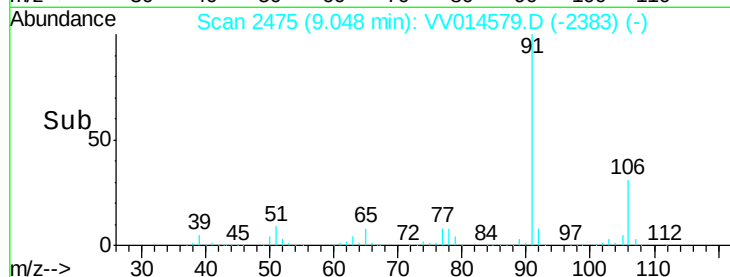
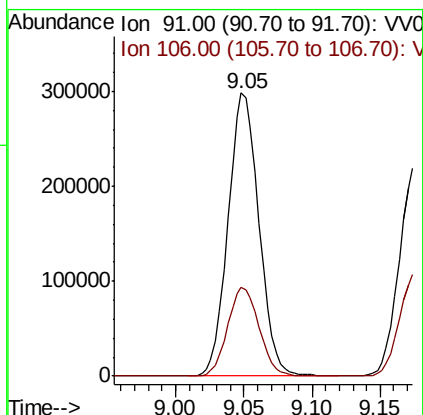
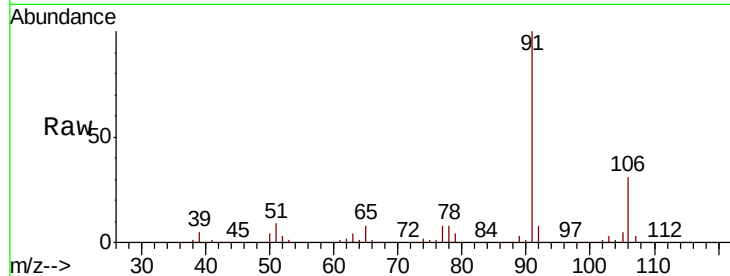




#52
Ethylbenzene
Concen: 50.347 ug/L
RT: 9.05 min Scan# 2475
Delta R.T. -0.00 min
Lab File: VV014579.D
Acq: 13 Feb 2020 09:57

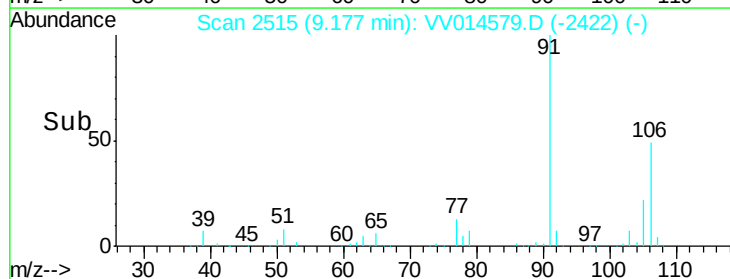
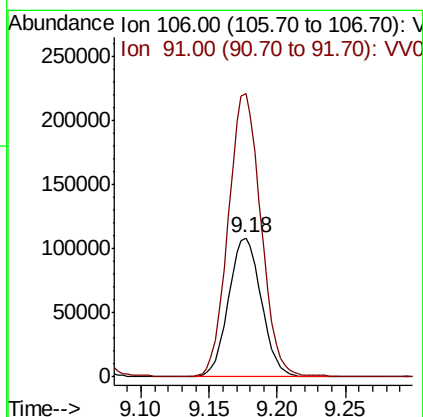
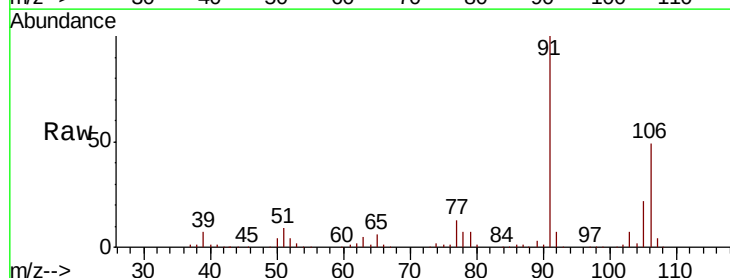
Instrument :
MSVOA_V
ClientSampleId :

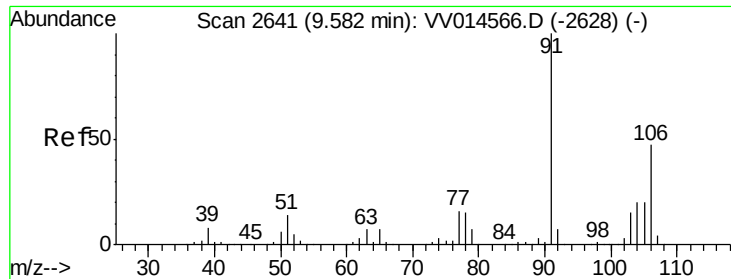
Tot Ion: 91 Resp: 468303
Ion Ratio Lower Upper
91 100
106 31.2 22.3 41.5



#53
m,p-Xylene
Concen: 49.647 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV014579.D
Acq: 13 Feb 2020 09:57

Tgt Ion: 106 Resp: 180287
Ion Ratio Lower Upper
106 100
91 203.1 142.4 264.4





#54

o-xylene

Concen: 50.702 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

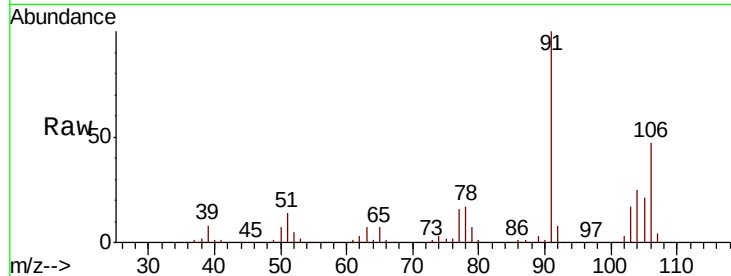
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 175985

Ion Ratio Lower Upper

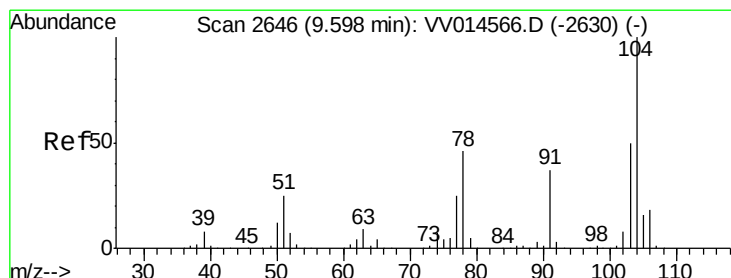
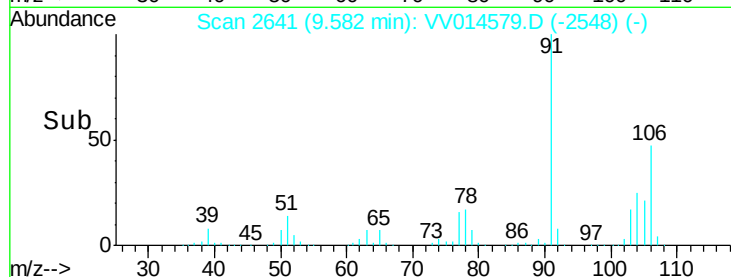
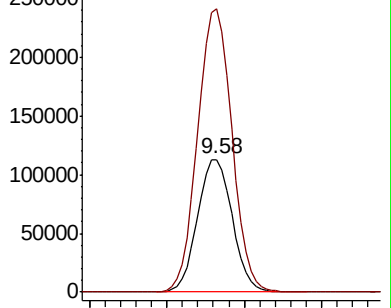
106 100

91 213.5 150.5 279.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.743 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014579.D

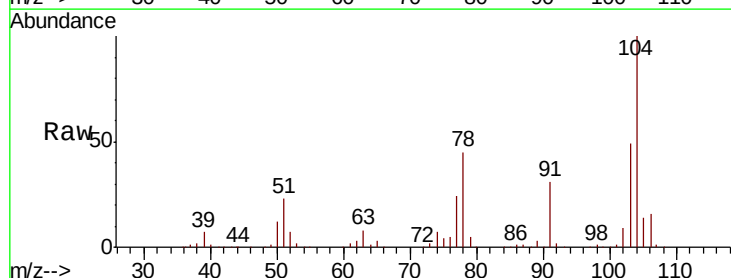
Acq: 13 Feb 2020 09:57

Tgt Ion:104 Resp: 302641

Ion Ratio Lower Upper

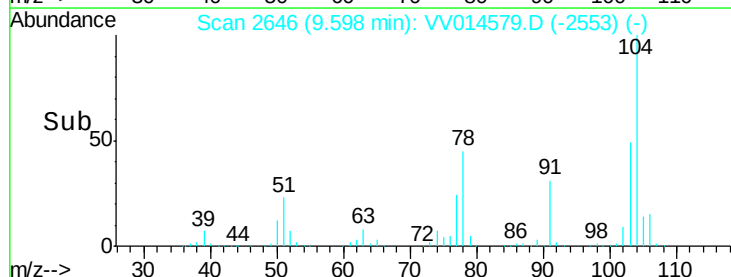
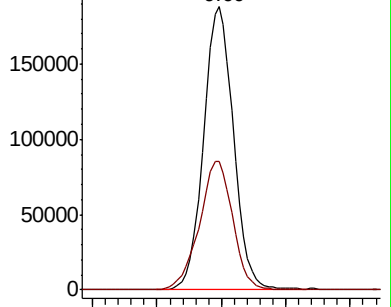
104 100

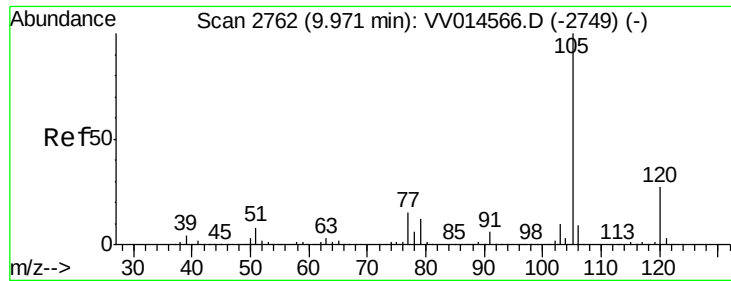
78 45.3 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.337 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :
MSVOA_V
ClientSampleId :

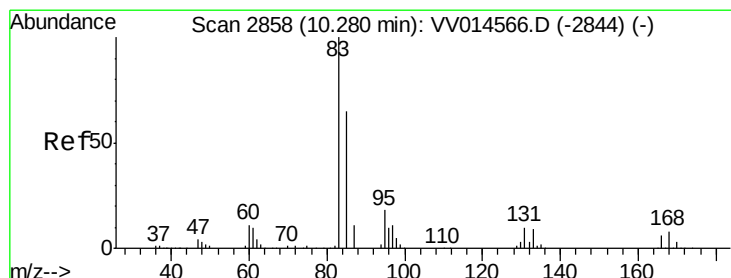
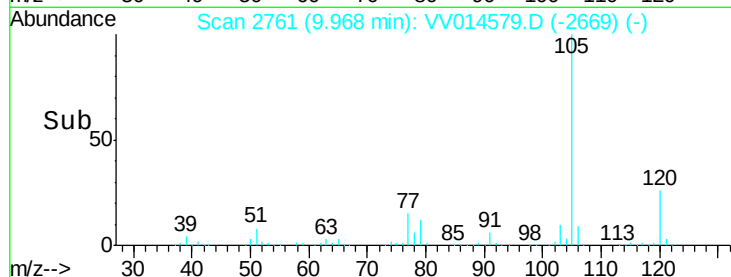
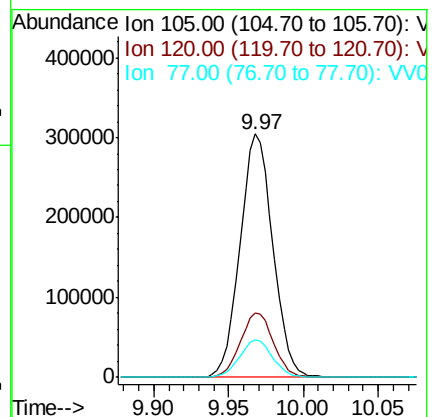
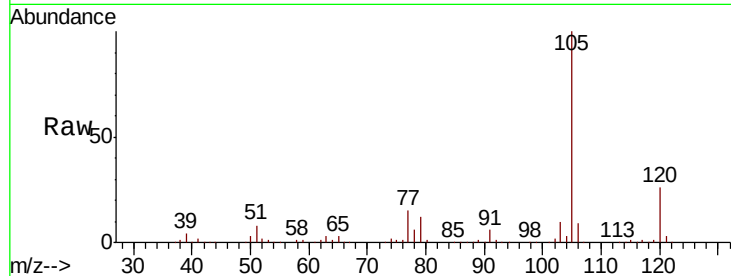
Tot Ion:105 Resp: 464742

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

77 15.3 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 49.039 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

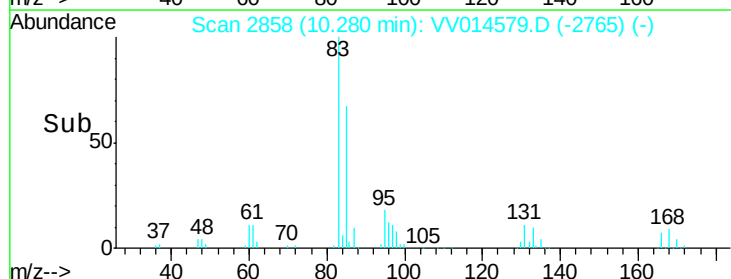
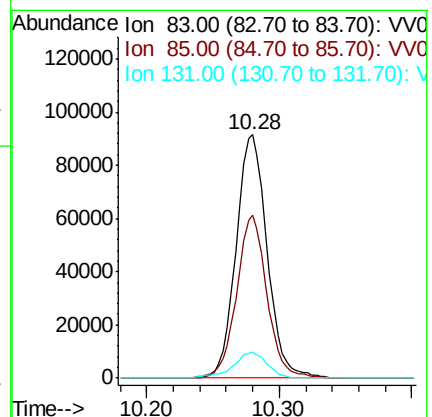
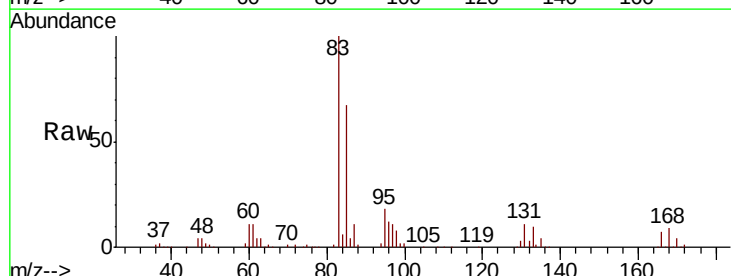
Tgt Ion: 83 Resp: 148591

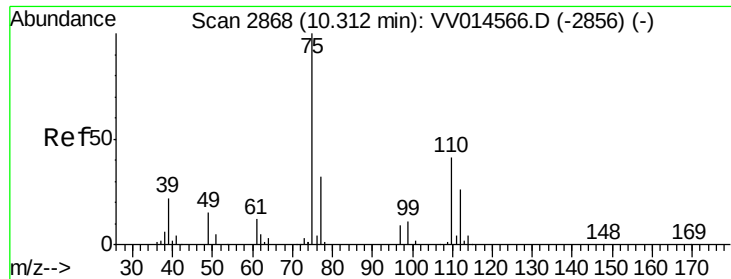
Ion Ratio Lower Upper

83 100

85 66.8 45.7 84.9

131 10.5 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 48.192 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

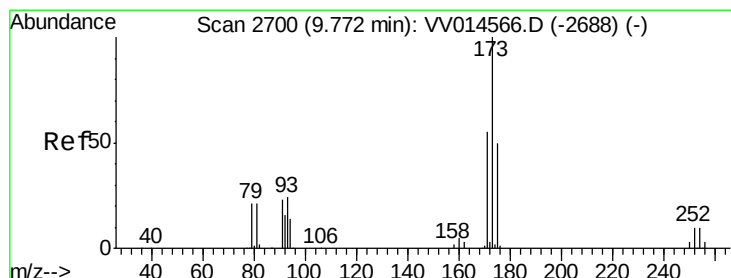
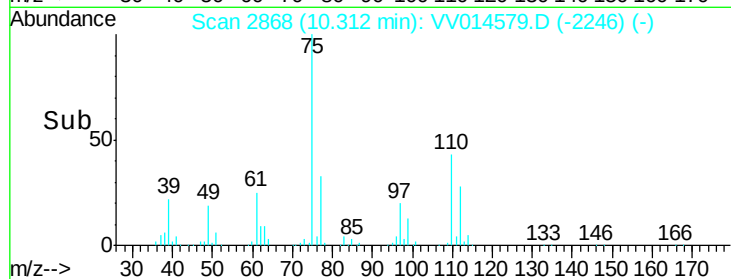
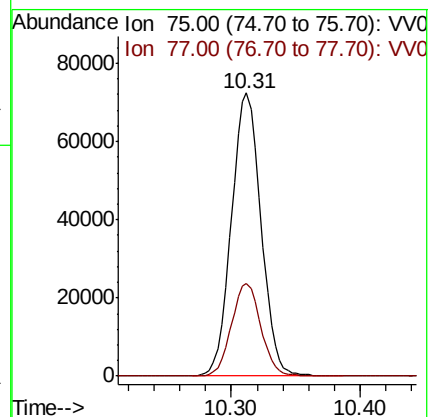
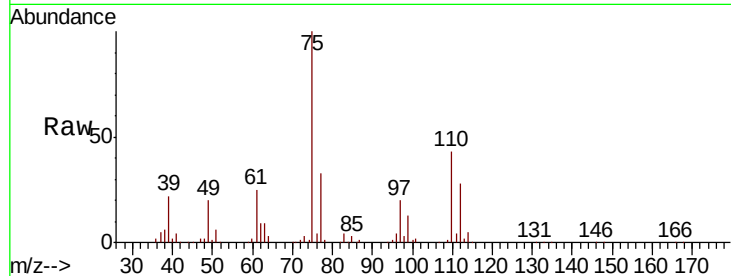
ClientSampleId :

Tot Ion: 75 Resp: 115154

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



#61

Bromoform

Concen: 50.964 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

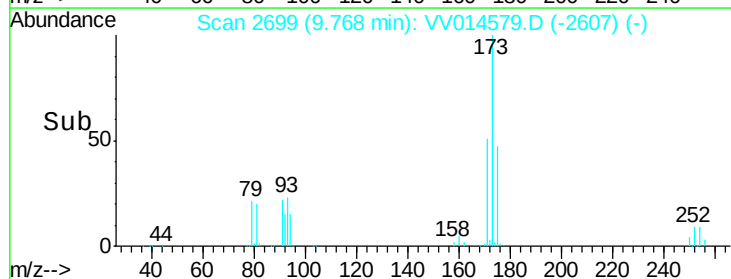
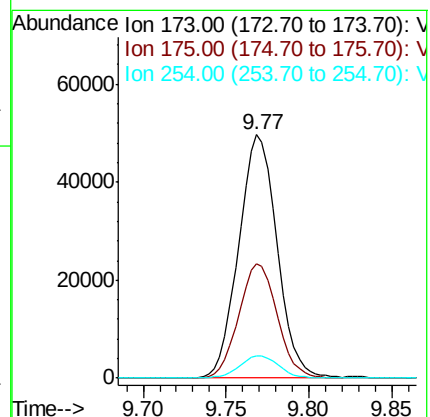
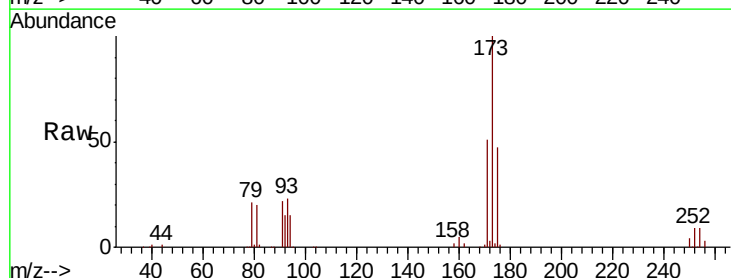
Tgt Ion: 173 Resp: 79784

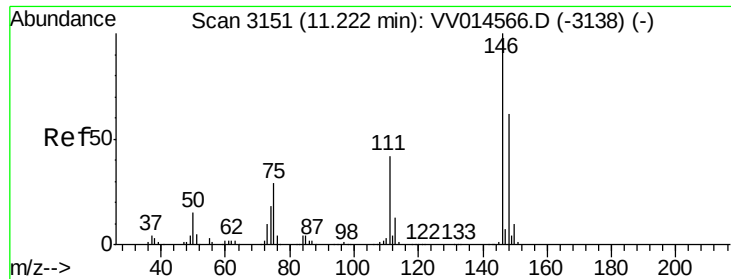
Ion Ratio Lower Upper

173 100

175 47.3 39.3 58.9

254 9.4 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 50.560 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

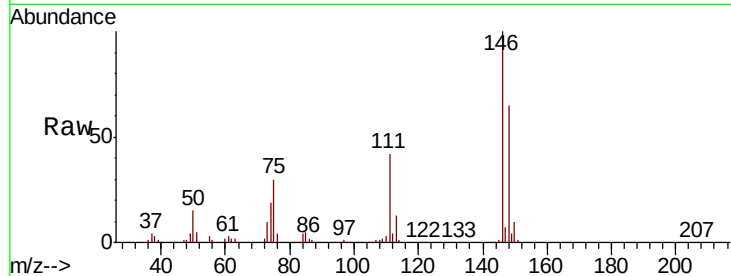
Tot Ion:146 Resp: 221170

Ion Ratio Lower Upper

146 100

111 42.0 29.4 54.6

148 64.5 43.6 81.0

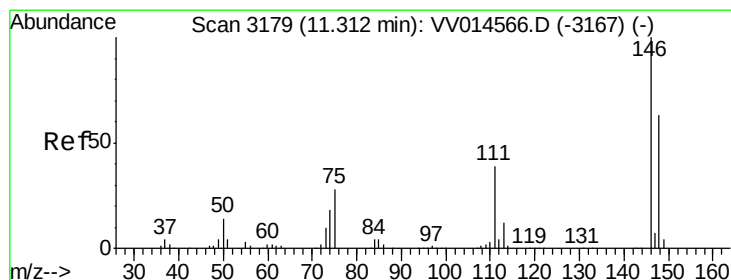
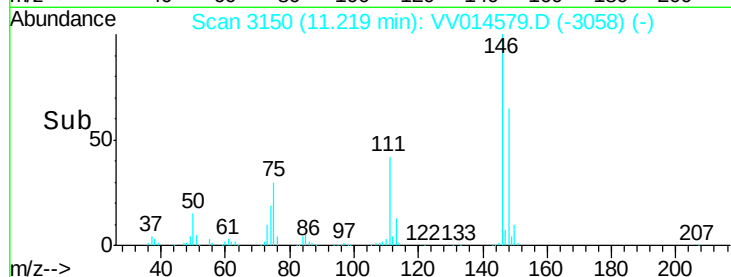
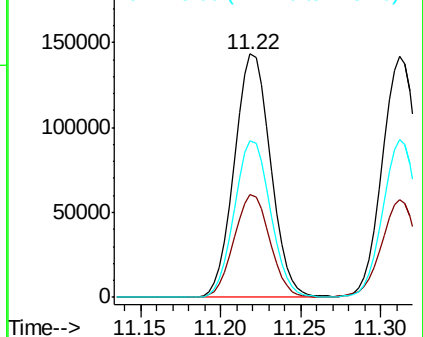


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.152 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

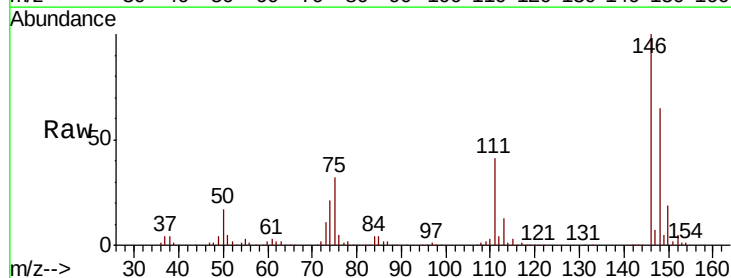
Tgt Ion:146 Resp: 223611

Ion Ratio Lower Upper

146 100

111 40.8 27.7 51.5

148 65.4 44.1 81.9

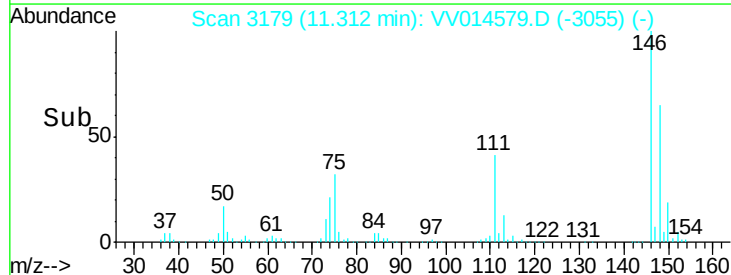
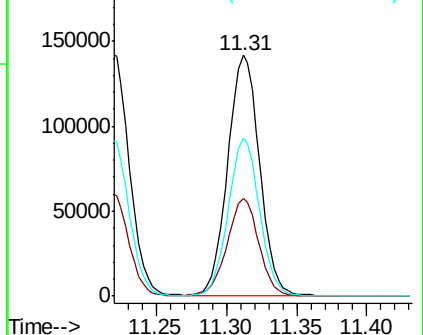


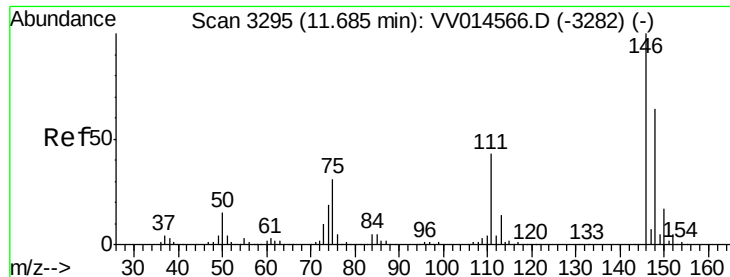
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

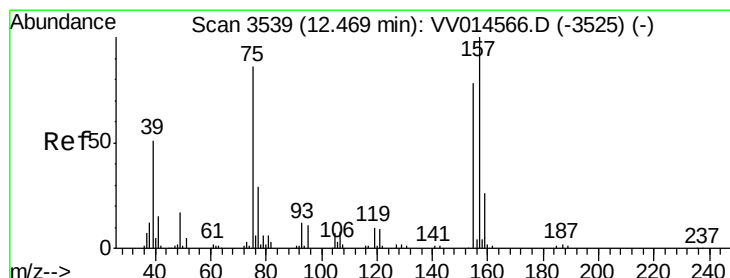
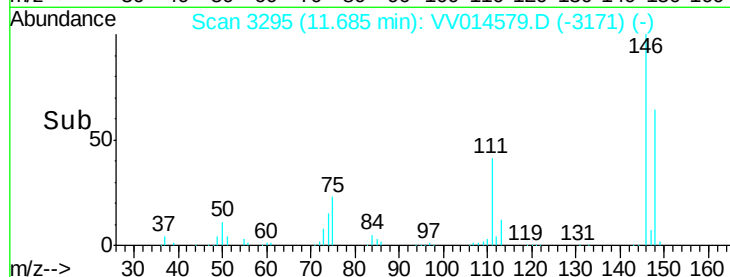
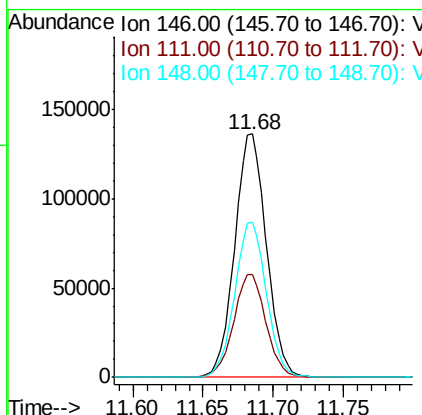
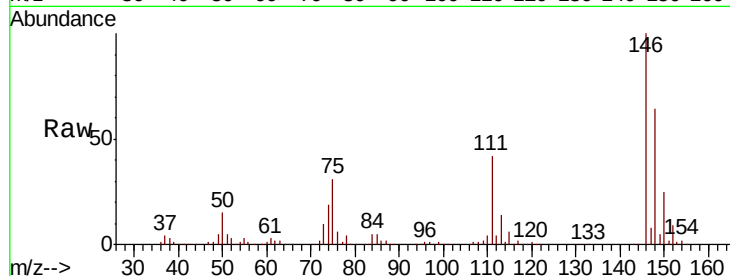




#65
 1,2-Dichlorobenzene
 Concen: 50.021 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

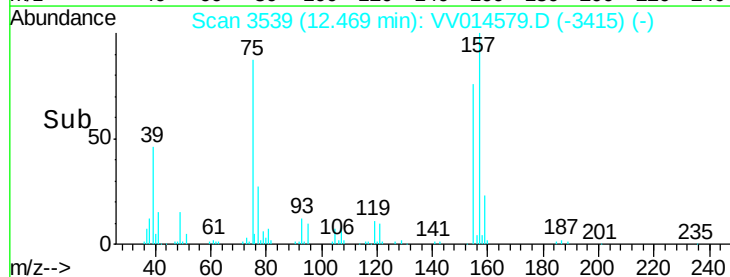
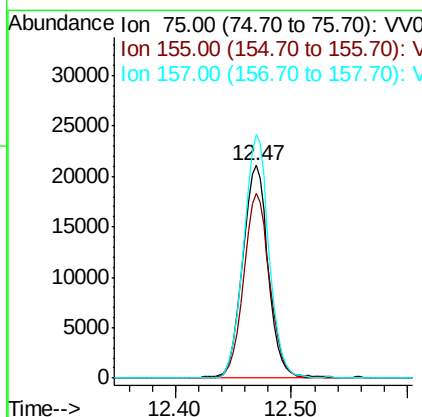
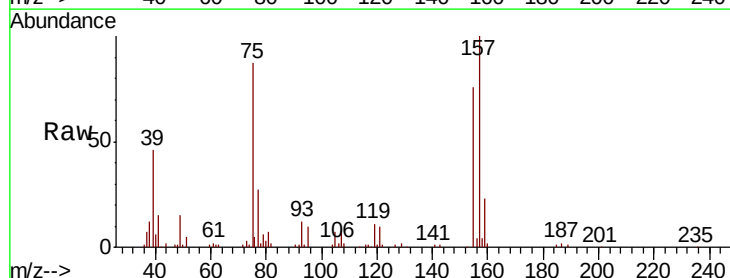
Instrument :
 MSVOA_V
 ClientSampleId :

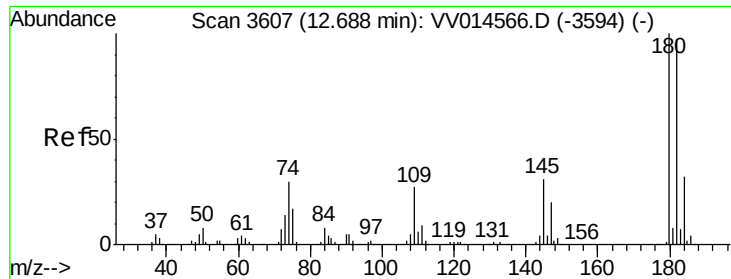
Tot Ion:146 Resp: 214941
 Ion Ratio Lower Upper
 146 100
 111 42.1 34.6 52.0
 148 64.0 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.393 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Tgt Ion: 75 Resp: 32474
 Ion Ratio Lower Upper
 75 100
 155 87.2 72.9 109.3
 157 114.7 93.0 139.4

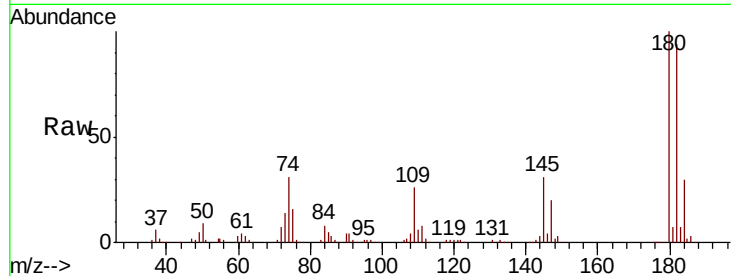




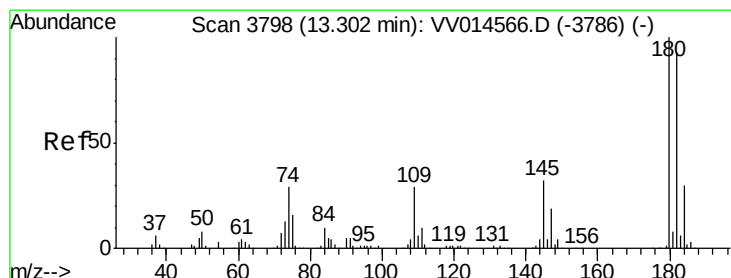
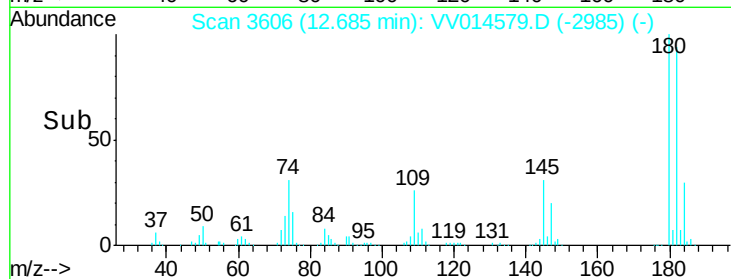
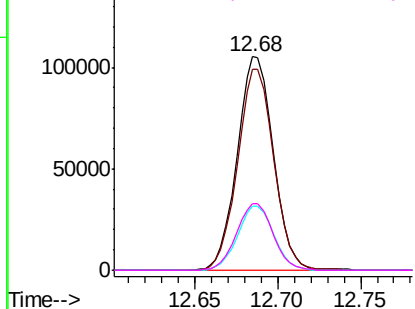
#67
 1,3,5-Trichlorobenzene
 Concen: 50.590 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	159145
Ion Ratio	Lower	Upper
180	100	
182	94.7	77.2 115.8
184	30.2	24.5 36.7
145	31.6	25.3 37.9

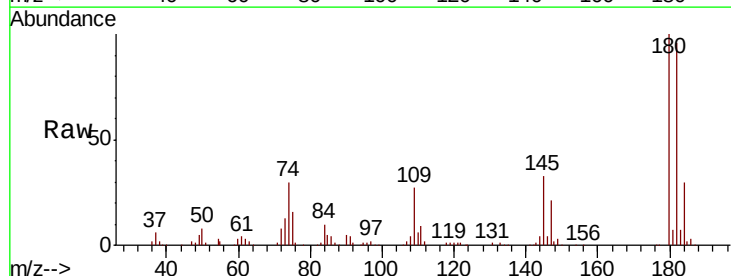


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

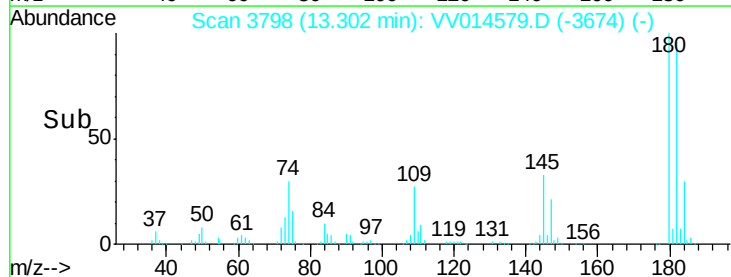
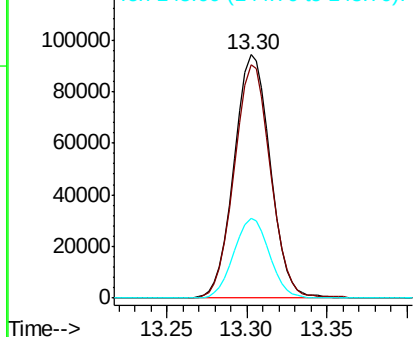


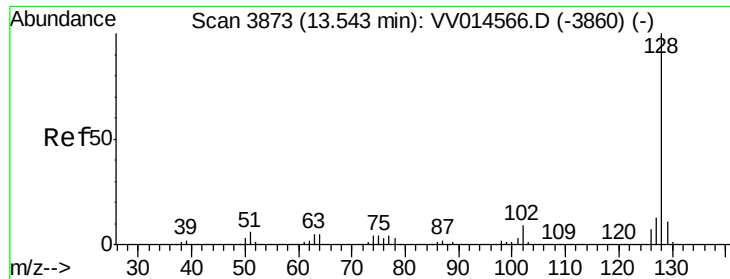
#68
 1,2,4-trichlorobenzene
 Concen: 49.855 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014579.D
 Acq: 13 Feb 2020 09:57

Tgt Ion:180	Resp:	145235
Ion Ratio	Lower	Upper
180	100	
182	95.8	76.2 114.2
145	32.4	25.8 38.6



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





#69

Naphthalene

Concen: 47.641 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

Instrument :

MSVOA_V

ClientSampleId :

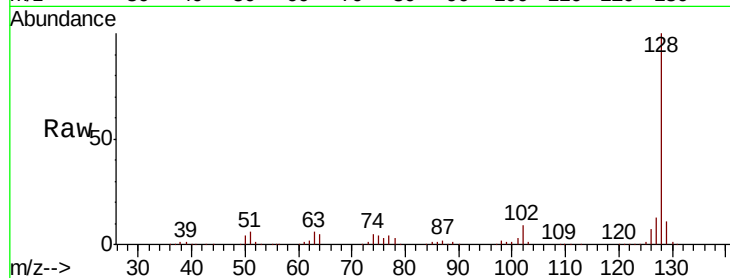
Tot Ion:128 Resp: 440082

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

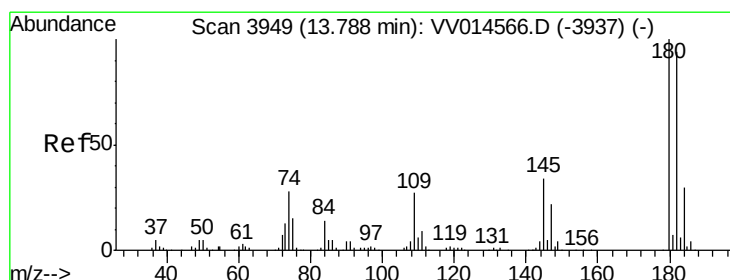
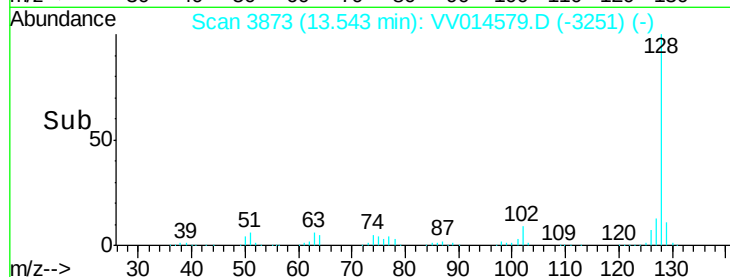
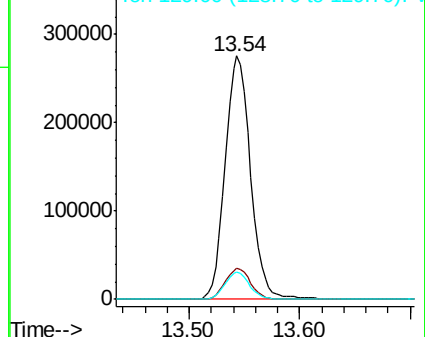
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.507 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014579.D

Acq: 13 Feb 2020 09:57

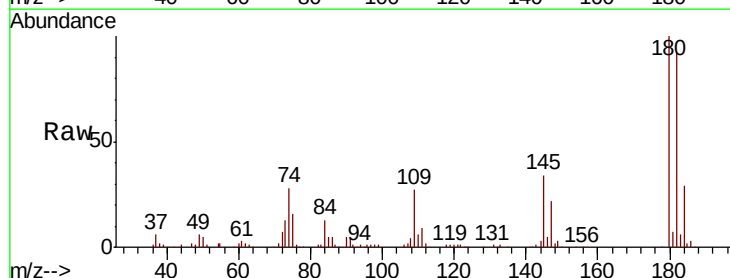
Tgt Ion:180 Resp: 141842

Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

145 33.9 27.1 40.7



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

