

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082020\
 Data File : VV018065.D
 Acq On : 20 Aug 2020 11:02
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 21 02:32:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 14:27:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	266916	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	266342	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	147955	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70256	34.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.00%
7) Chloroethane-d5	1.58	69	63988	38.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.80%
11) 1,1-Dichloroethene-d2	2.12	63	156132	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.16%
21) 2-Butanone-d5	3.90	46	125136	93.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.81%
24) Chloroform-d	4.37	84	162636	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
26) 1,2-Dichloroethane-d4	5.05	65	103690	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.12%
32) Benzene-d6	5.07	84	287317	39.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.28%
36) 1,2-Dichloropropane-d6	6.09	67	100267	41.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.56%
41) Toluene-d8	7.33	98	263061	39.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.70%#
43) trans-1,3-Dichloropropene-	7.64	79	47356	43.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.02%
47) 2-Hexanone-d5	8.10	63	69169	89.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.82%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	144918	46.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.76%
64) 1,2-Dichlorobenzene-d4	11.65	152	126417	43.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.82%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	98451	47.776	ug/L 100
3) Chloromethane	1.25	50	109668	45.814	ug/L 100
5) Vinyl chloride	1.32	62	113641	47.915	ug/L 98
6) Bromomethane	1.53	94	65594	46.274	ug/L 99
8) Chloroethane	1.60	64	75121	49.625	ug/L 98
9) Trichlorofluoromethane	1.76	101	167254	49.368	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97330	51.452	ug/L 98
12) 1,1-Dichloroethene	2.13	96	90385	50.482	ug/L 88
13) Acetone	2.19	43	125841	91.341	ug/L 99
14) Carbon disulfide	2.31	76	243698	49.453	ug/L 99
15) Methyl Acetate	2.44	43	103393	46.503	ug/L 100
16) Methylene chloride	2.52	84	106241	46.576	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	92244	50.119	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	302592	49.713	ug/L 100
19) 1,1-Dichloroethane	3.21	63	185160	50.033	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	102618	50.737	ug/L 99
22) 2-Butanone	3.99	43	146911	95.053	ug/L 99

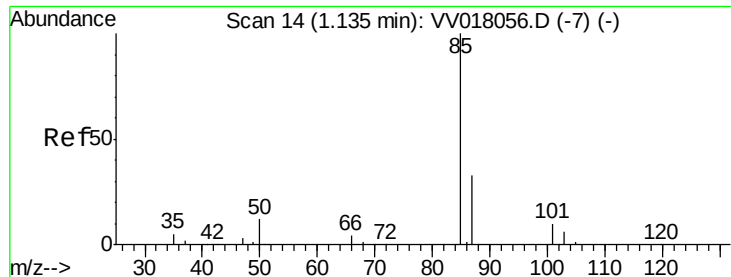
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082020\
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 20 14:27:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	54596	51.673	ug/L	99
25) Chloroform	4.40	83	192240	50.929	ug/L	99
27) 1,2-Dichloroethane	5.15	62	151367	50.381	ug/L	98
29) Cyclohexane	4.70	56	154699	48.125	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	163571	50.116	ug/L	98
31) Carbon tetrachloride	4.85	117	138966	51.145	ug/L	100
33) Benzene	5.12	78	404429	49.080	ug/L	100
34) Trichloroethene	5.93	95	108069	49.616	ug/L	99
35) Methylcyclohexane	6.15	83	158470	48.929	ug/L	100
37) 1,2-Dichloropropane	6.19	63	110444	49.147	ug/L	100
38) Bromodichloromethane	6.53	83	141964	50.860	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	162975	51.159	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	270754	92.167	ug/L	100
42) Toluene	7.41	91	433089	50.368	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	158641	52.485	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	102732	49.365	ug/L	99
46) Tetrachloroethene	7.99	164	83733	52.418	ug/L	97
48) 2-Hexanone	8.15	43	213399	90.084	ug/L	99
49) Dibromochloromethane	8.26	129	109311	53.813	ug/L	99
50) 1,2-Dibromoethane	8.37	107	105129	48.826	ug/L	100
51) Chlorobenzene	8.90	112	280750	50.768	ug/L	98
52) Ethylbenzene	9.03	91	478745	51.064	ug/L	100
53) m,p-Xylene	9.16	106	181799	52.722	ug/L	97
54) o-xylene	9.56	106	173955	51.048	ug/L	97
55) Styrene	9.58	104	312032	53.470	ug/L	99
56) Isopropylbenzene	9.95	105	467818	52.039	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	151668	46.802	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	131357	47.331	ug/L	99
61) Bromoform	9.75	173	74521	53.231	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	234723	49.889	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	242542	50.182	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	236205	48.776	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31847	44.635	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	185984	52.037	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	168667	53.677	ug/L	99
69) Naphthalene	13.52	128	426396	49.232	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	167630	52.457	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 47.776 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

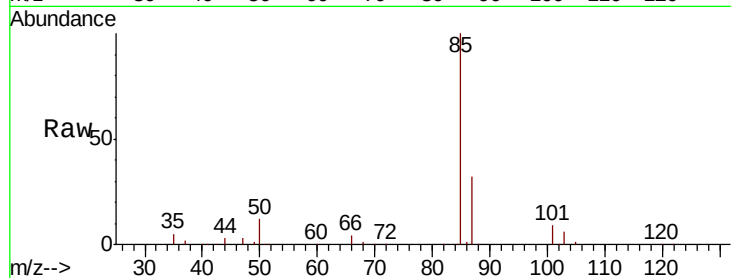
ClientSampleId :

Tot Ion: 85 Resp: 98451

Ion Ratio Lower Upper

85 100

87 32.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018065.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018065.D (-7) (-)

1.14

120000

100000

80000

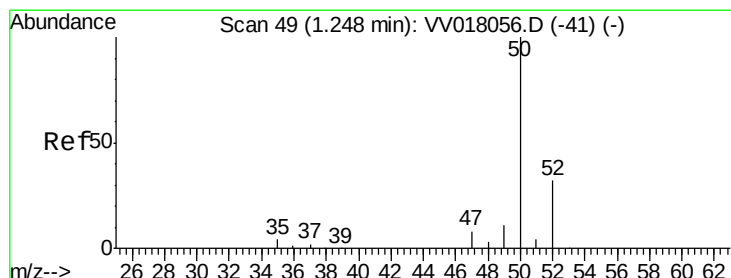
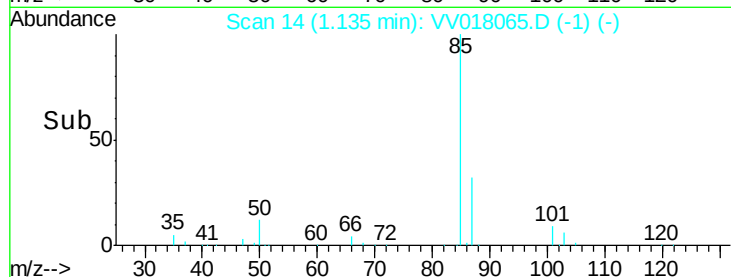
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 45.814 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018065.D

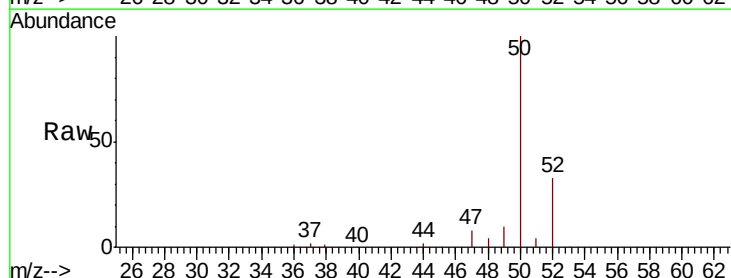
Acq: 20 Aug 2020 11:02

Tgt Ion: 50 Resp: 109668

Ion Ratio Lower Upper

50 100

52 33.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018065.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018065.D (-41) (-)

1.25

120000

100000

80000

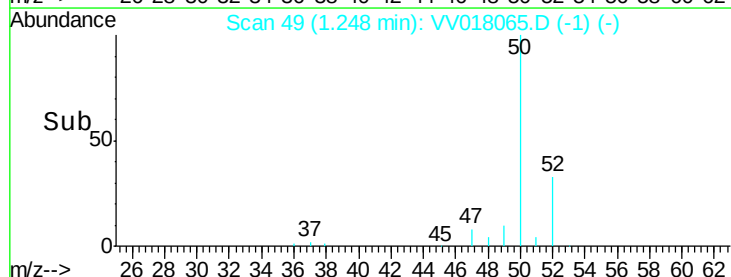
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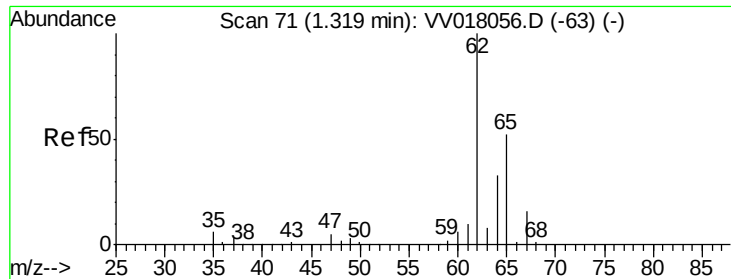
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 47.915 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

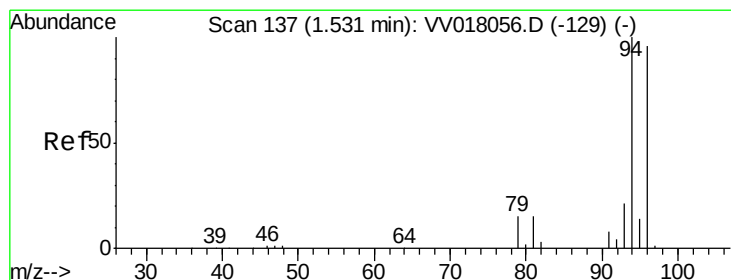
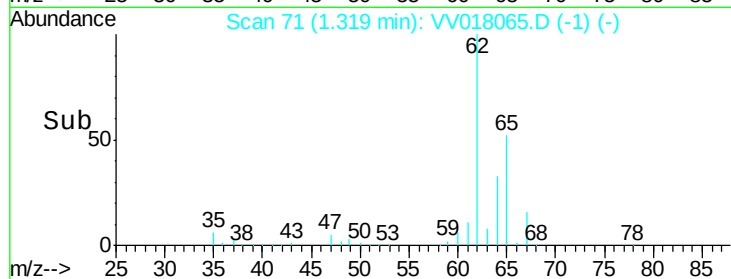
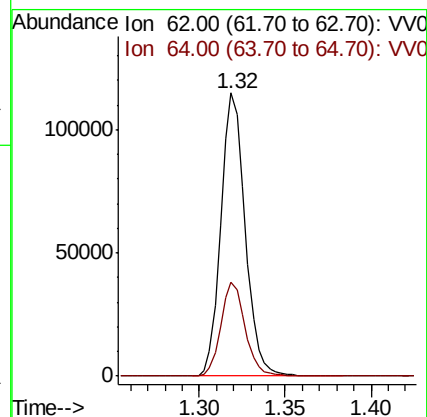
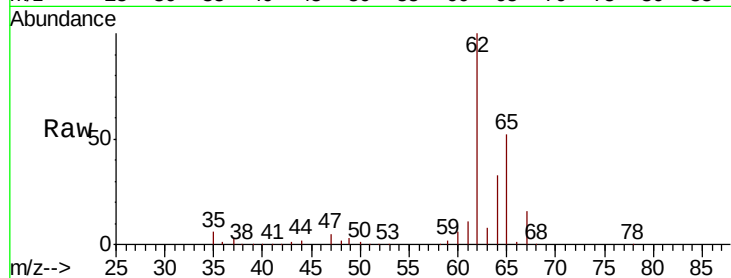
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 113641

Ion Ratio Lower Upper

62 100

64 33.1 22.4 41.6



#6

Bromomethane

Concen: 46.274 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018065.D

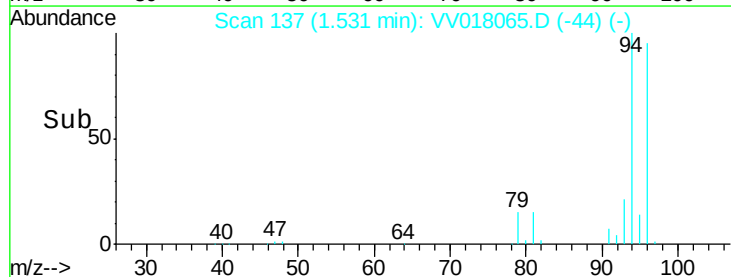
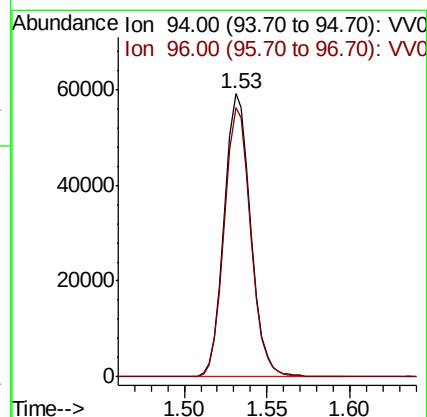
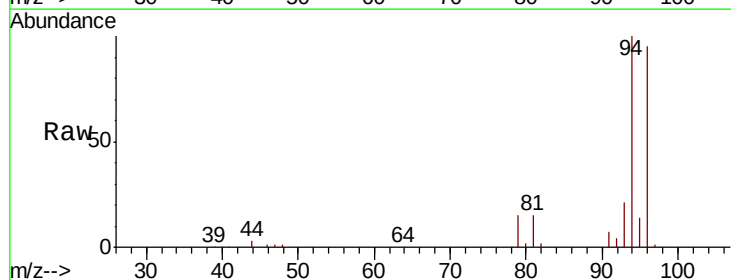
Acq: 20 Aug 2020 11:02

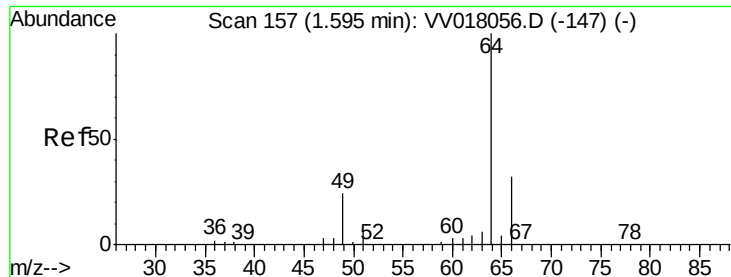
Tgt Ion: 94 Resp: 65594

Ion Ratio Lower Upper

94 100

96 95.0 65.5 121.7





#8

Chloroethane

Concen: 49.625 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

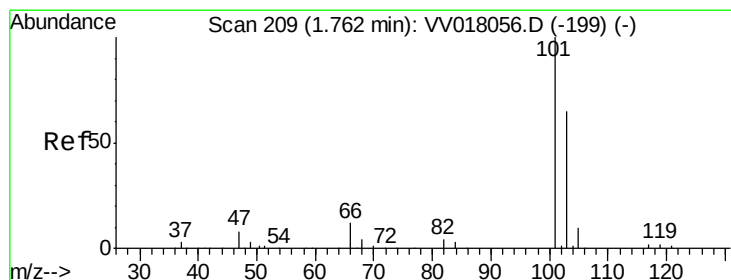
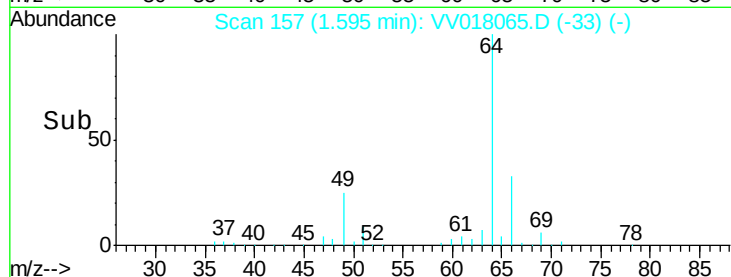
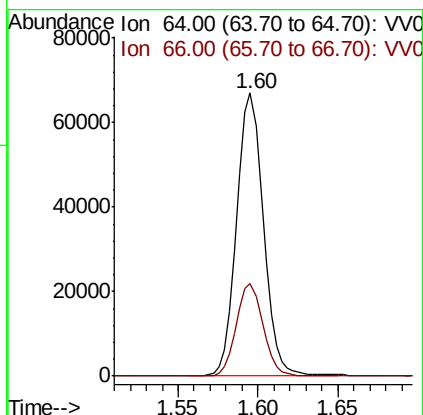
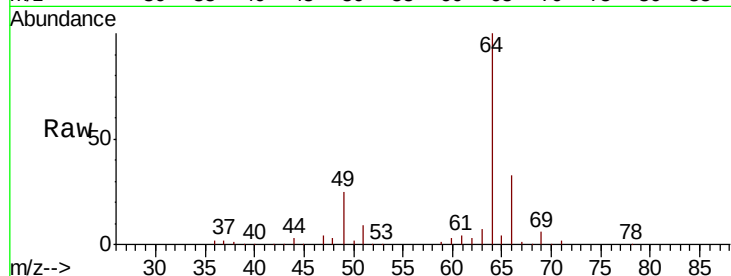
ClientSampled :

Tot Ion: 64 Resp: 75121

Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 49.368 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV018065.D

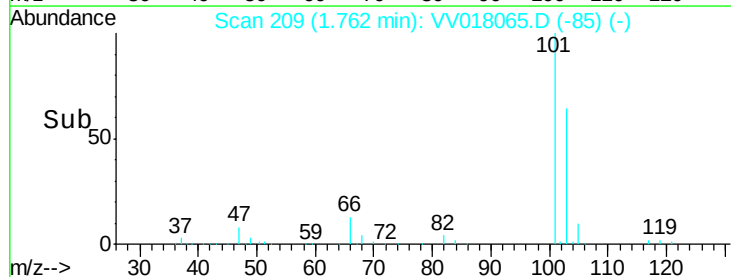
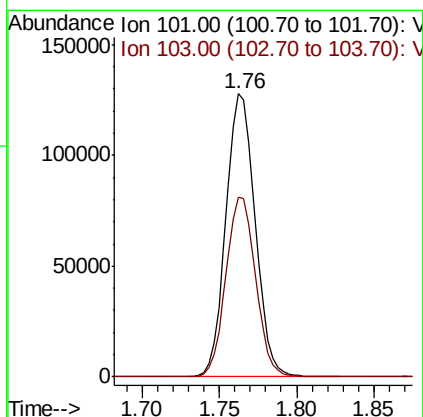
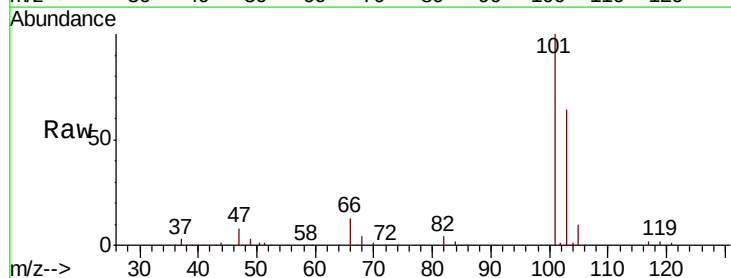
Acq: 20 Aug 2020 11:02

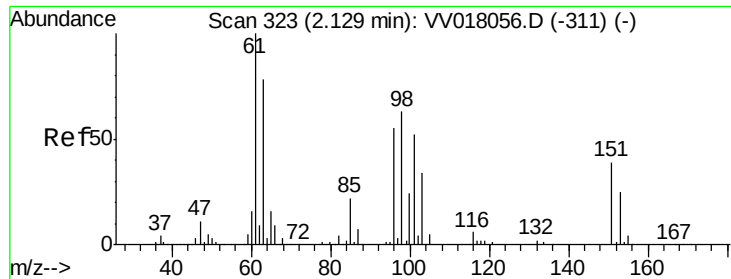
Tgt Ion:101 Resp: 167254

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3





#10

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

Concen: 51.452 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

ClientSampled :

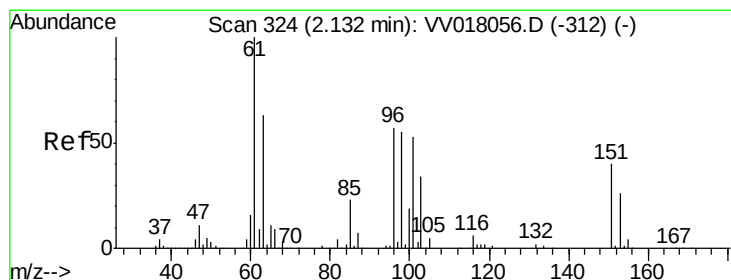
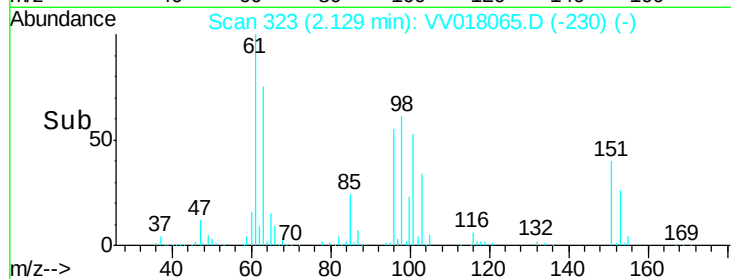
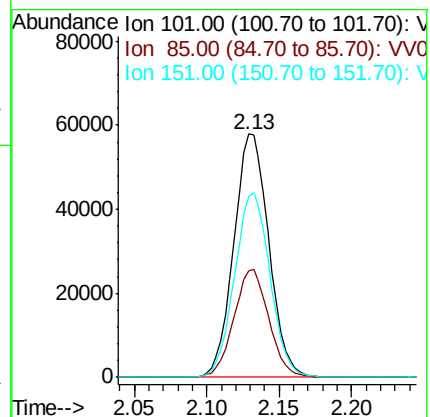
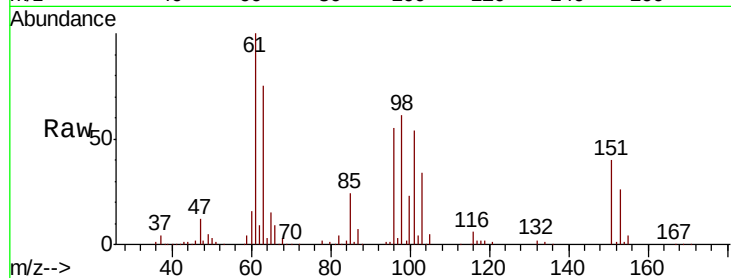
Tot Ion:101 Resp: 97330

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

151 76.7 59.1 88.7



#12

1,1-Dichloroethene

Concen: 50.482 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

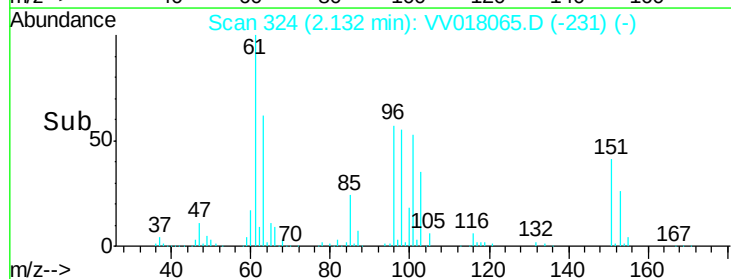
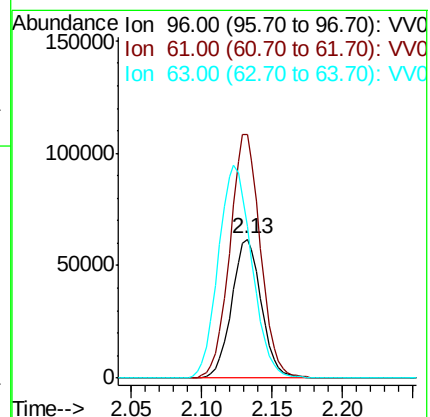
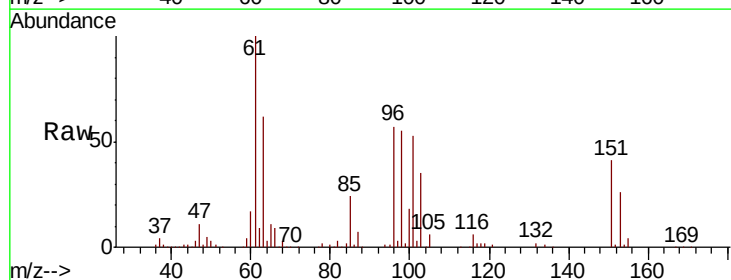
Tgt Ion: 96 Resp: 90385

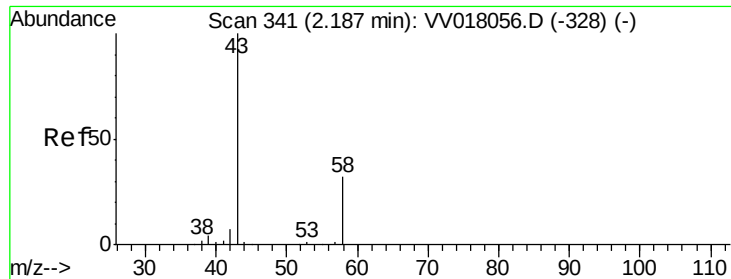
Ion Ratio Lower Upper

96 100

61 175.1 127.1 236.0

63 109.0 95.2 176.8





#13

Acetone

Concen: 91.341 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

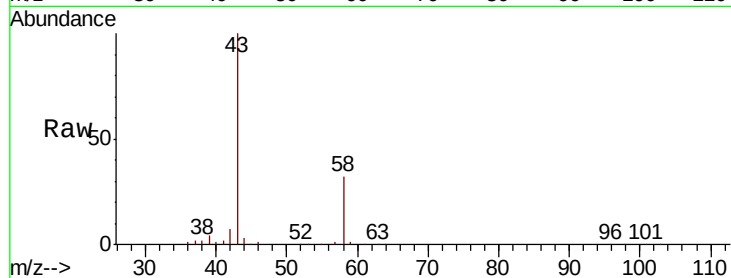
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 125841

Ion Ratio Lower Upper

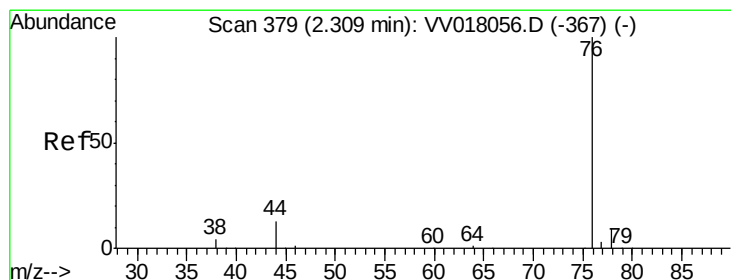
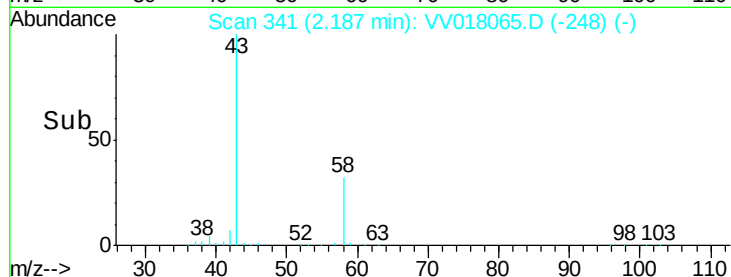
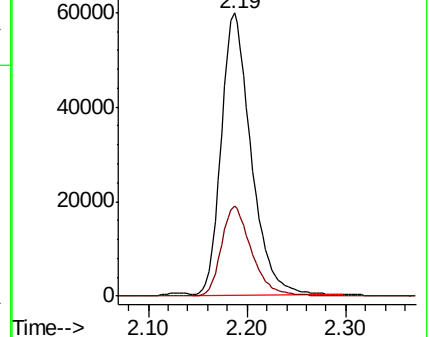
43 100

58 32.4 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018065.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV018065.D (-248) (-)



#14

Carbon disulfide

Concen: 49.453 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018065.D

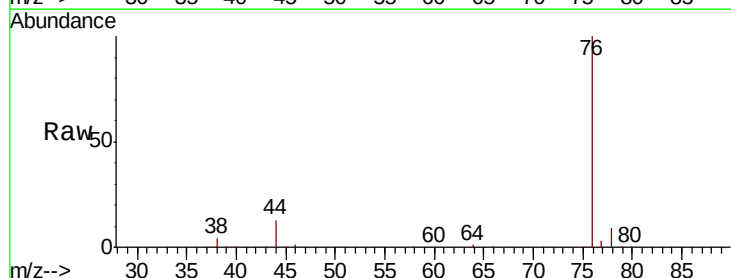
Acq: 20 Aug 2020 11:02

Tgt Ion: 76 Resp: 243698

Ion Ratio Lower Upper

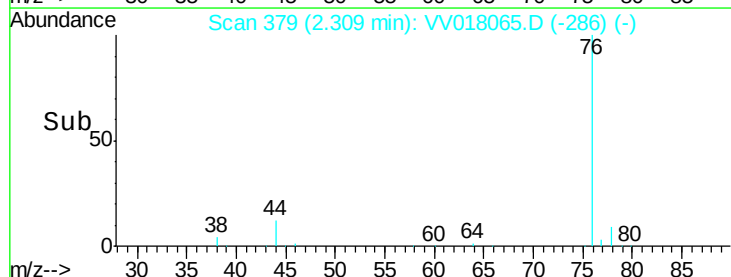
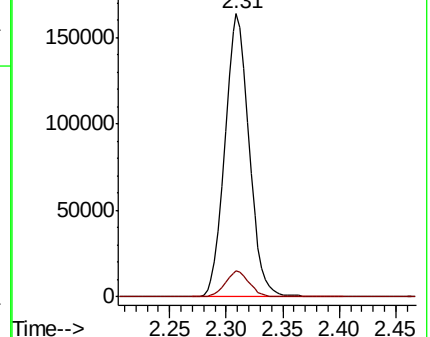
76 100

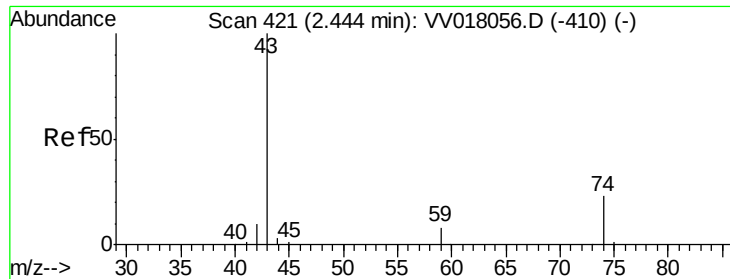
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018065.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018065.D (-286) (-)

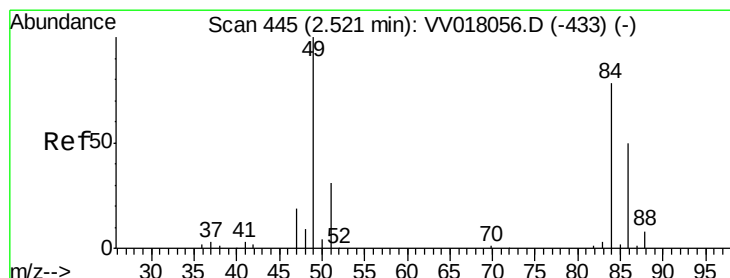
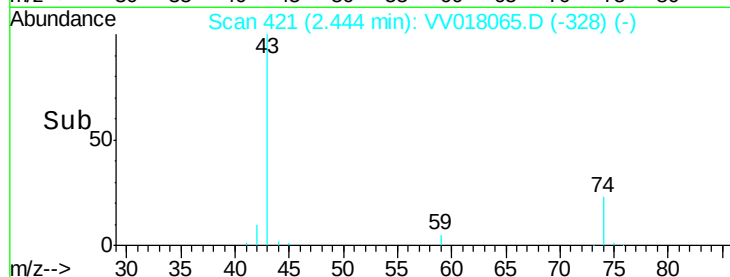
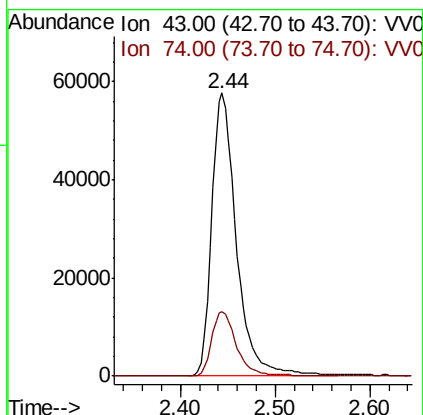
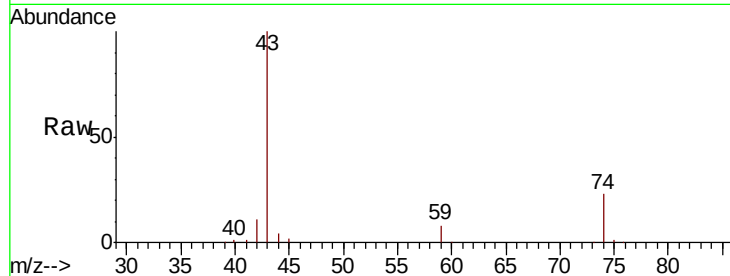




#15
Methyl Acetate
Concen: 46.503 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

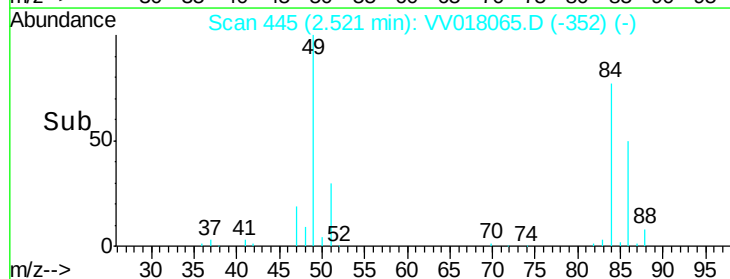
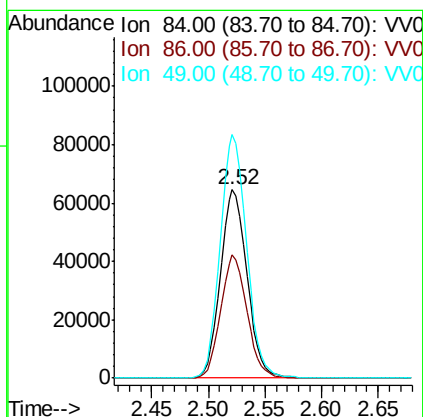
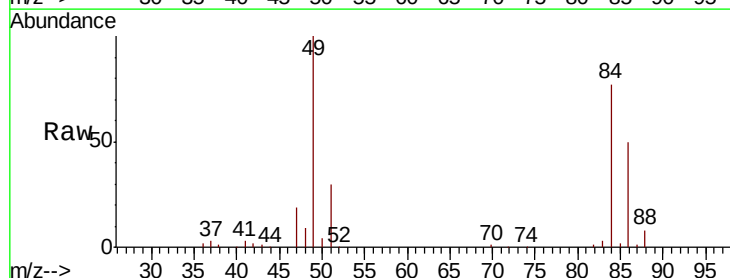
Instrument :
MSVOA_V
ClientSampleId :

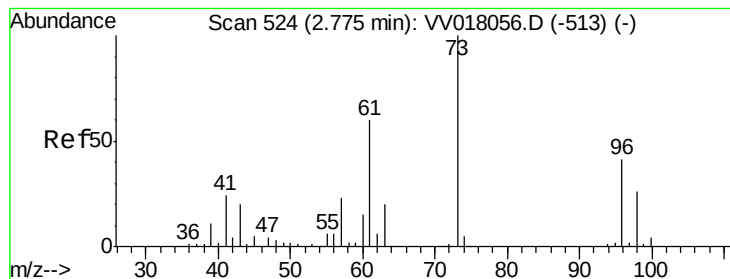
Tot Ion: 43 Resp: 103393
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 46.576 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

Tgt Ion: 84 Resp: 106241
Ion Ratio Lower Upper
84 100
86 65.2 46.3 85.9
49 129.3 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 50.119 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

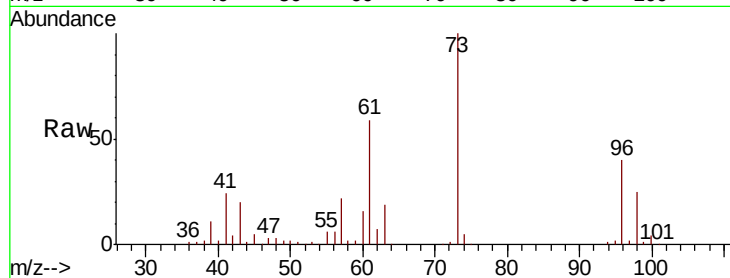
Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 92244

Ion	Ratio	Lower	Upper
96	100		
61	148.4	102.4	190.2
98	63.9	44.4	82.5

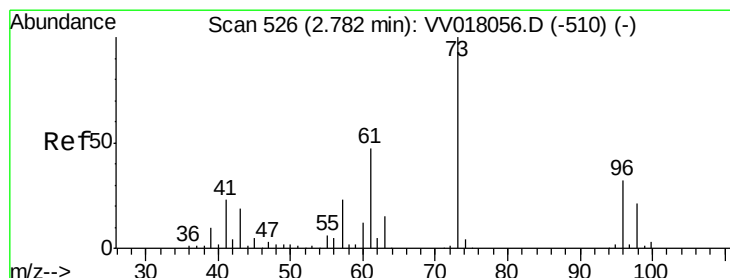
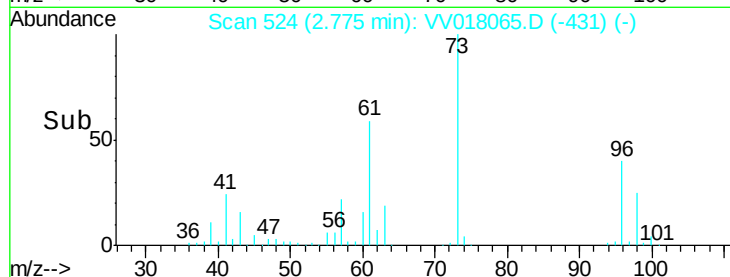
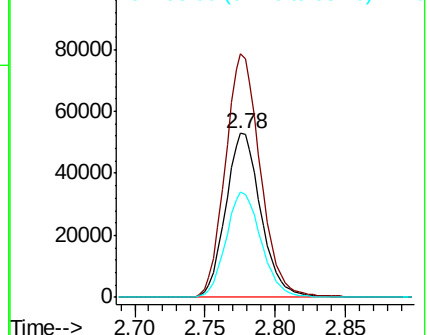


Abundance

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: 49.713 ug/L

RT: 2.78 min Scan# 526

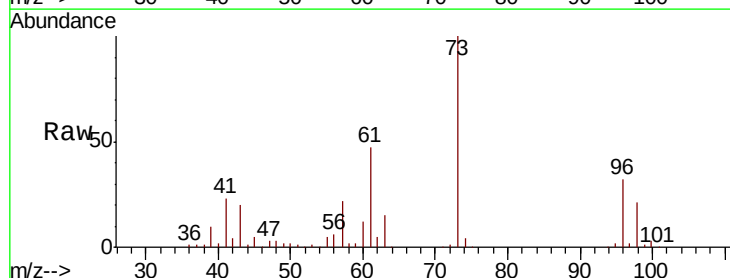
Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Tgt Ion: 73 Resp: 302592

Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.9	23.9
57	22.5	18.1	27.1

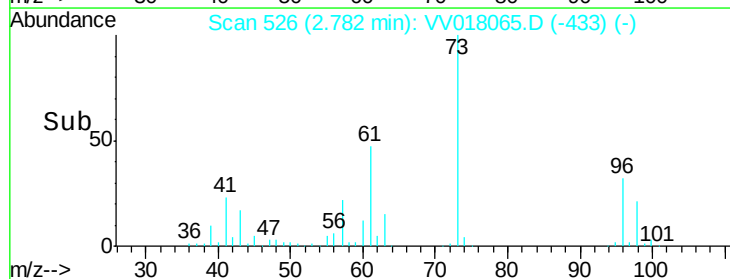
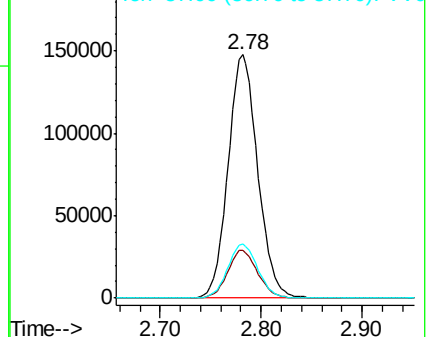


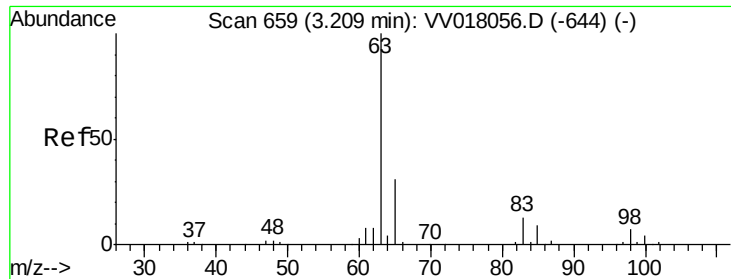
Abundance

Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

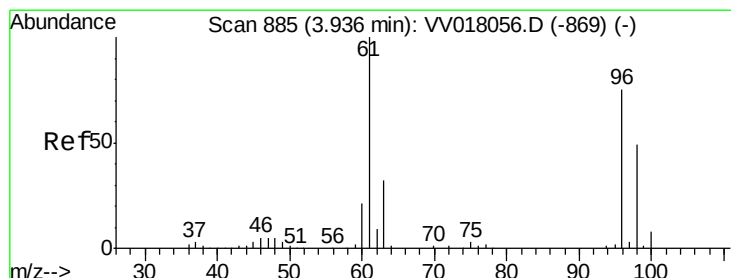
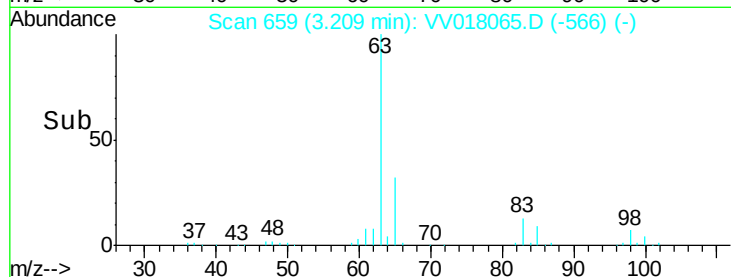
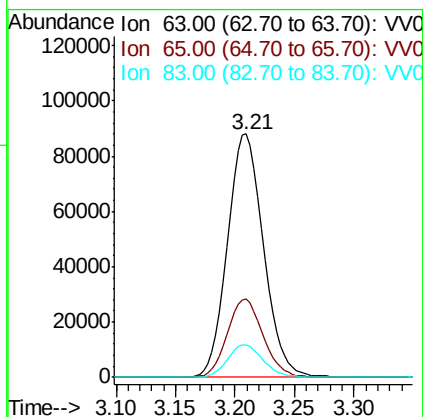
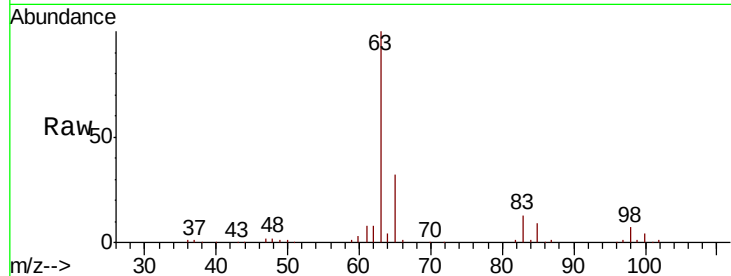




#19
 1,1-Dichloroethane
 Concen: 50.033 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

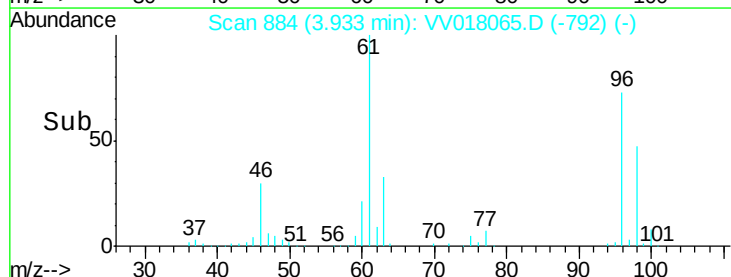
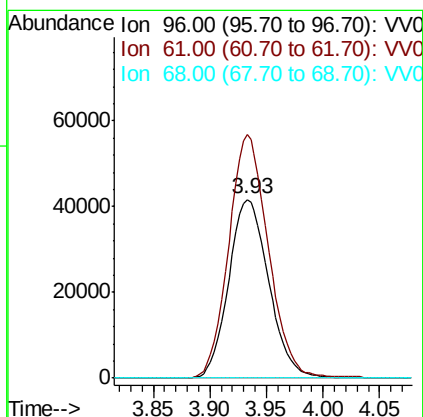
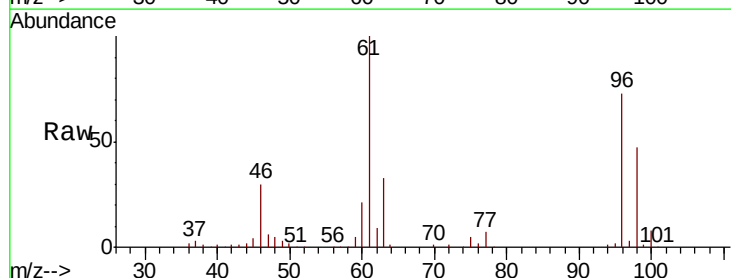
Instrument :
 MSVOA_V
 ClientSampled :

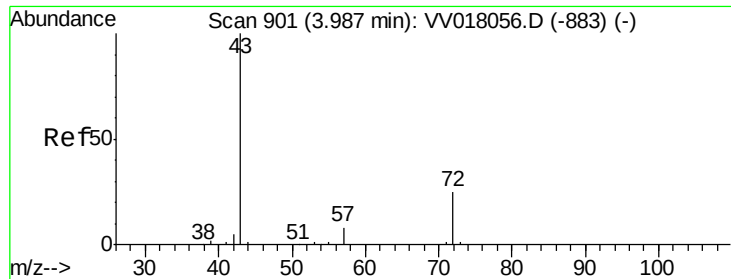
Tot Ion: 63 Resp: 185160
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.7
 83 13.4 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.737 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Tgt Ion: 96 Resp: 102618
 Ion Ratio Lower Upper
 96 100
 61 136.4 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.053 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

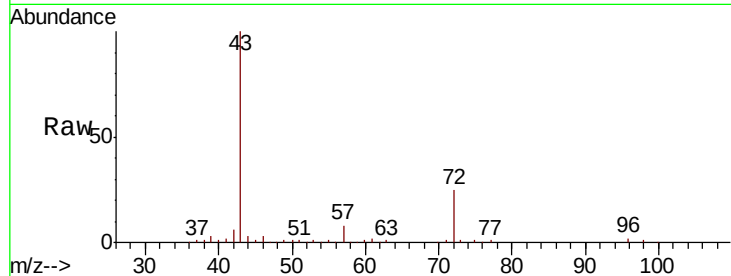
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 146911

Ion Ratio Lower Upper

43 100

72 25.9 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018065.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV018065.D (-883) (-)

3.99

60000

50000

40000

30000

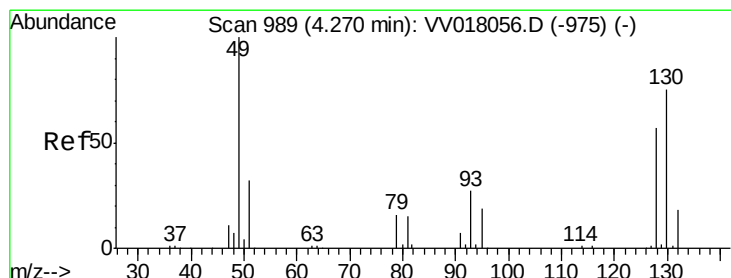
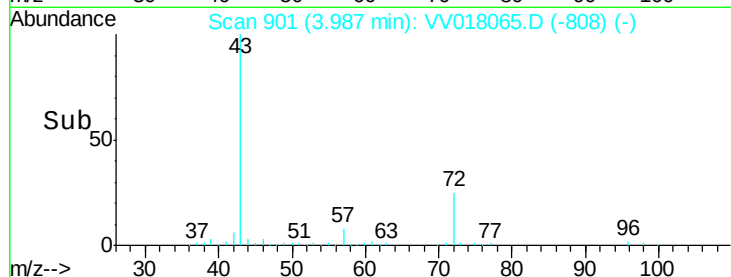
20000

10000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 51.673 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Tgt Ion: 128 Resp: 54596

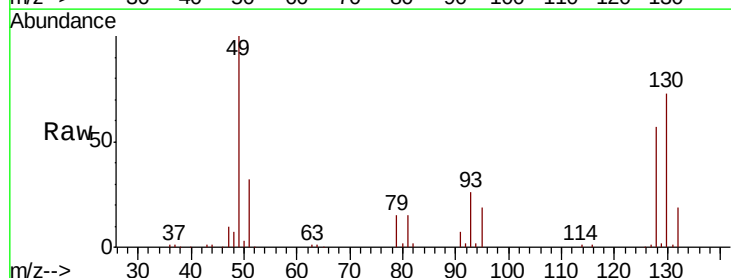
Ion Ratio Lower Upper

128 100

49 176.6 125.6 233.3

130 128.2 89.9 167.0

51 56.4 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018065.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018065.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018065.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018065.D (-896) (-)

60000

50000

40000

30000

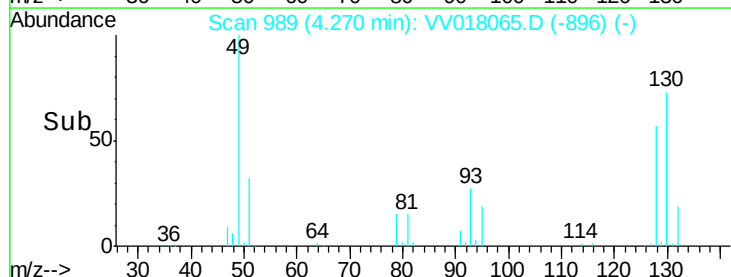
20000

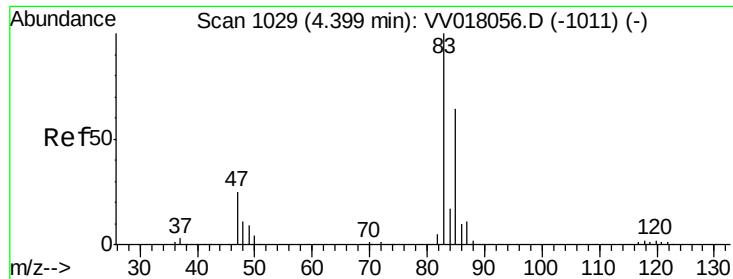
10000

0

Time-->

4.20 4.25 4.30 4.35 4.40

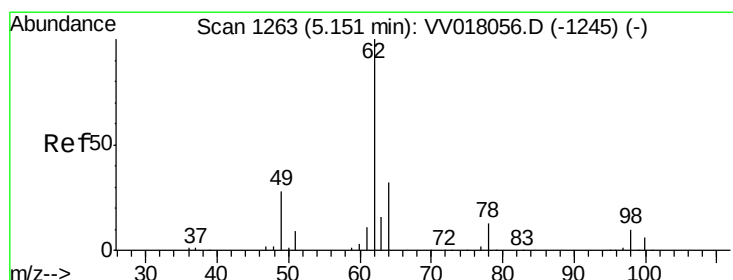
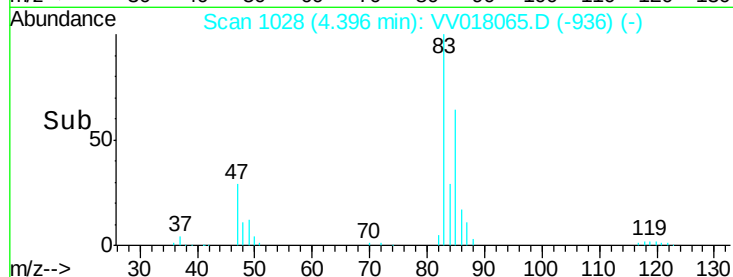
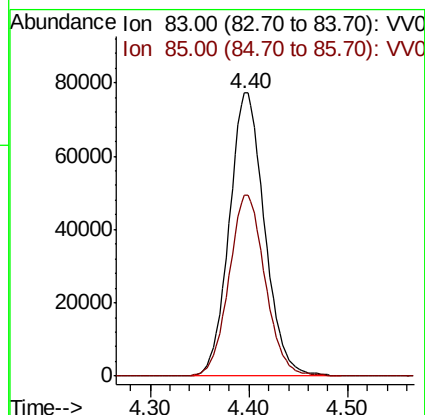
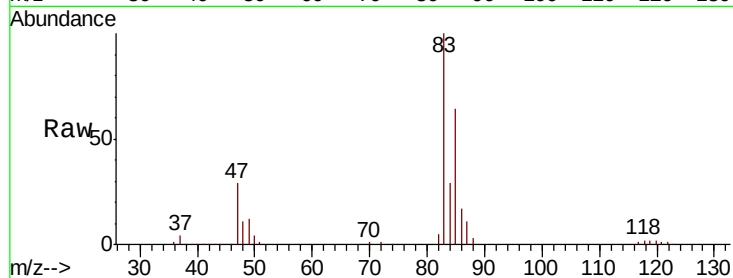




#25
Chloroform
Concen: 50.929 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

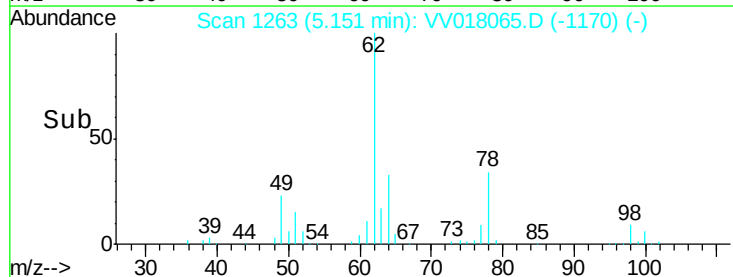
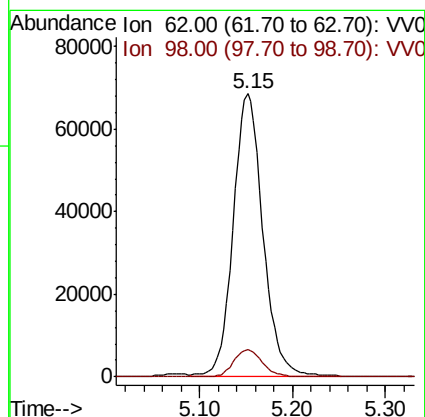
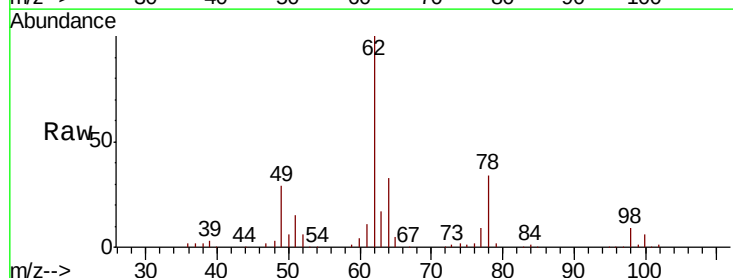
Instrument :
MSVOA_V
ClientSampleId :

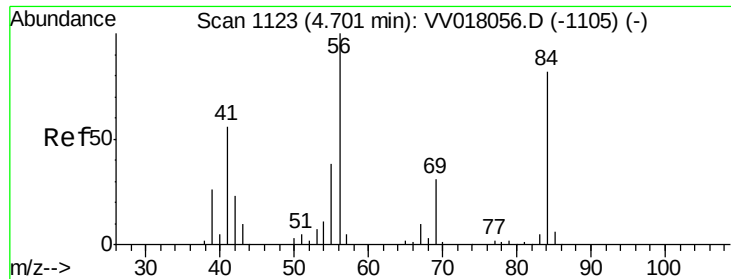
Tot Ion: 83 Resp: 192240
Ion Ratio Lower Upper
83 100
85 64.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 50.381 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

Tgt Ion: 62 Resp: 151367
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7

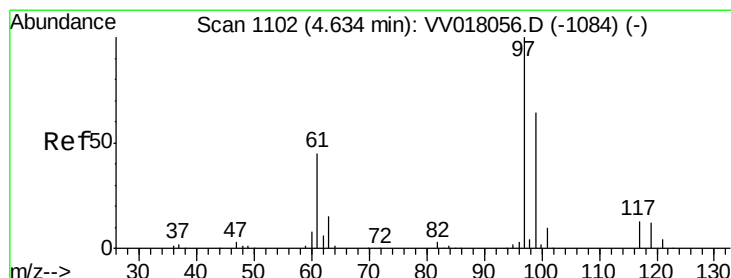
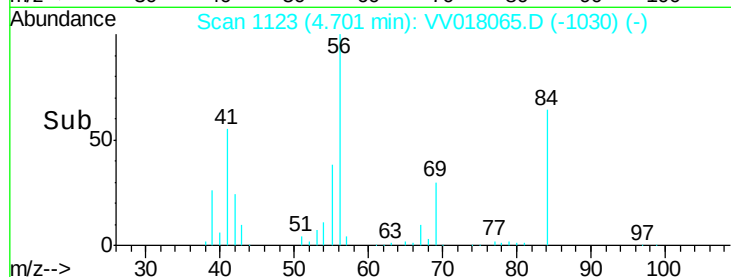
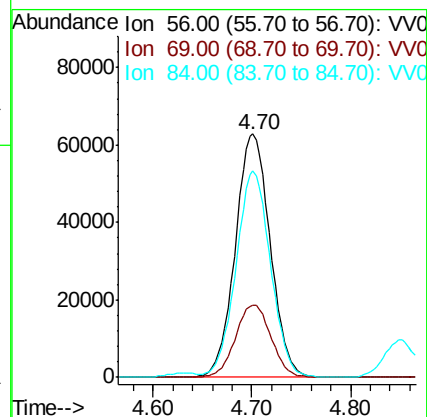
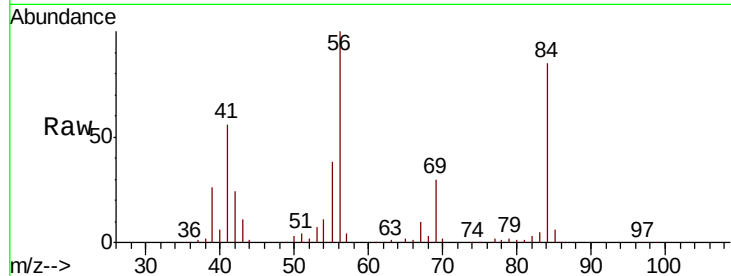




#29
Cyclohexane
Concen: 48.125 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

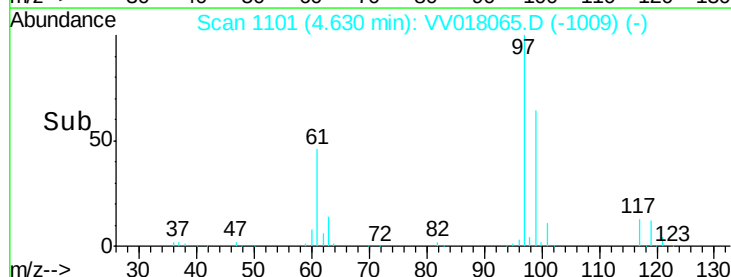
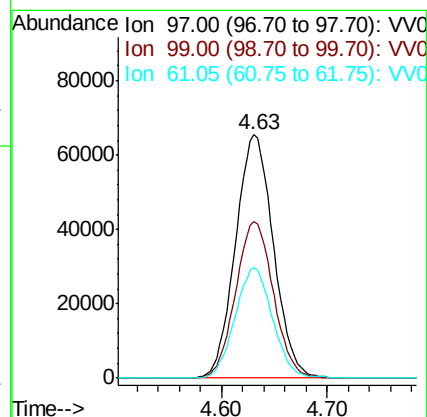
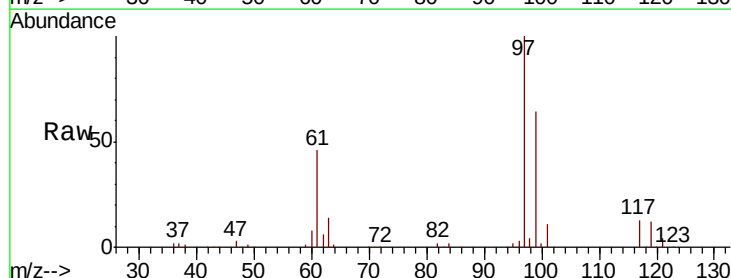
Instrument :
MSVOA_V
ClientSampleId :

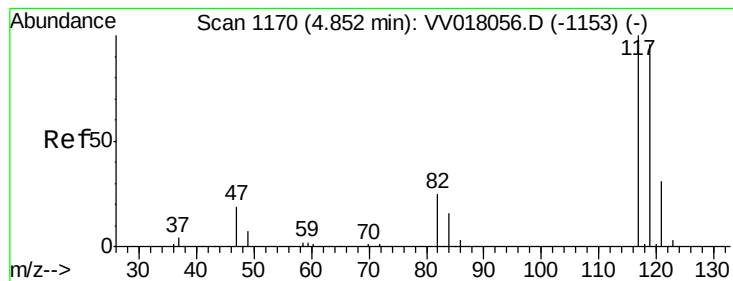
Tot Ion: 56 Resp: 154699
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 83.9 66.8 100.2



#30
1,1,1-Trichloroethane
Concen: 50.116 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

Tgt Ion: 97 Resp: 163571
Ion Ratio Lower Upper
97 100
99 64.1 50.6 76.0
61 44.7 37.0 55.6





#31

Carbon tetrachloride

Concen: 51.145 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

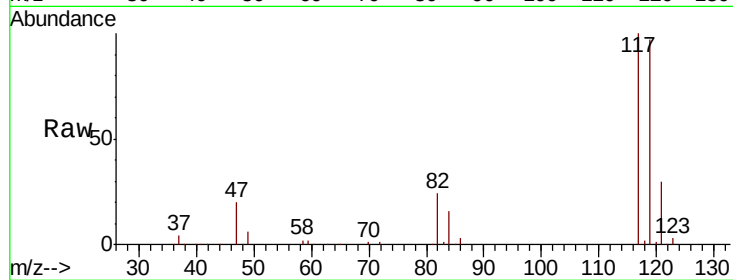
ClientSampleId :

Tot Ion:117 Resp: 138966

Ion Ratio Lower Upper

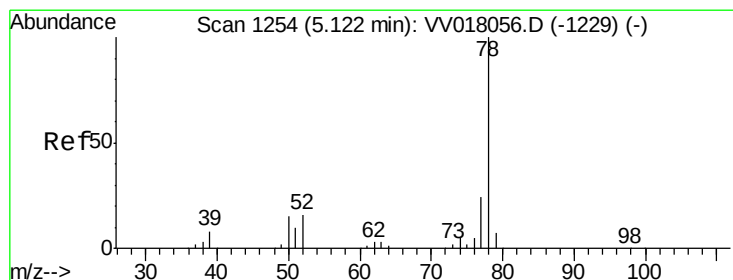
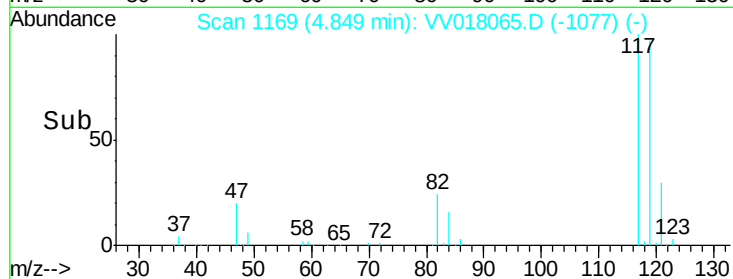
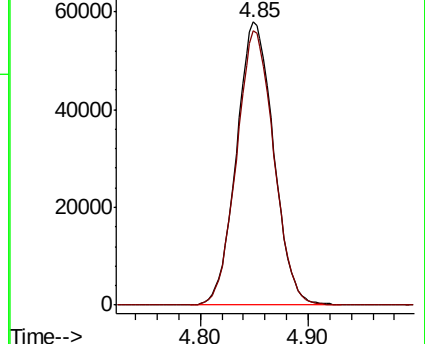
117 100

119 96.7 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.080 ug/L

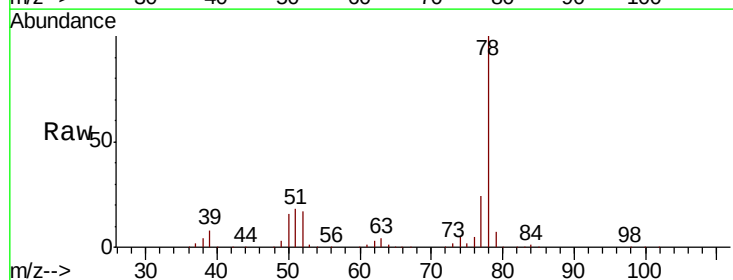
RT: 5.12 min Scan# 1253

Delta R.T. -0.00 min

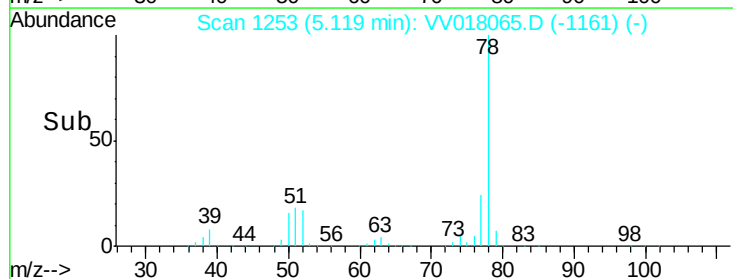
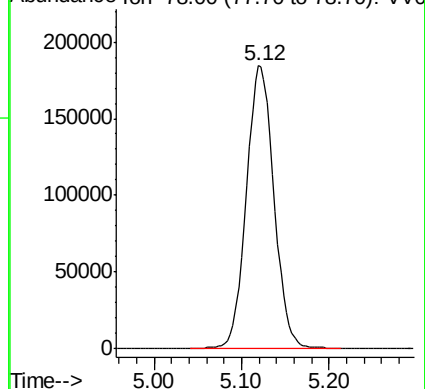
Lab File: VV018065.D

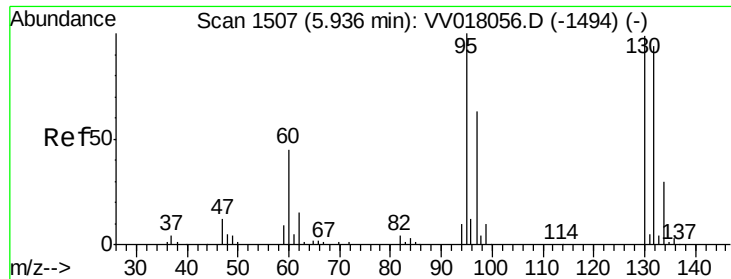
Acq: 20 Aug 2020 11:02

Tgt Ion: 78 Resp: 404429



Abundance Ion 78.00 (77.70 to 78.70): VV0

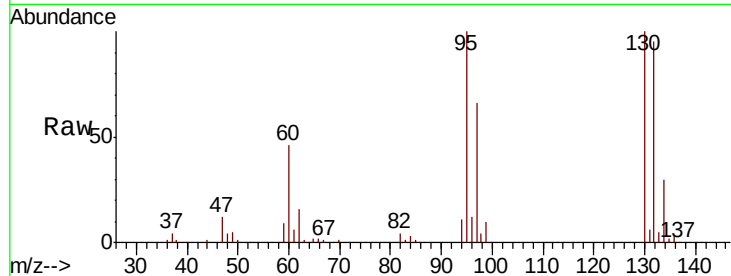




#34
 Trichloroethene
 Concen: 49.616 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	108069
Ion	Ratio	Lower	Upper
95	100		
97	65.8	46.0	85.4
132	95.6	65.8	122.2
130	100.3	69.2	128.6



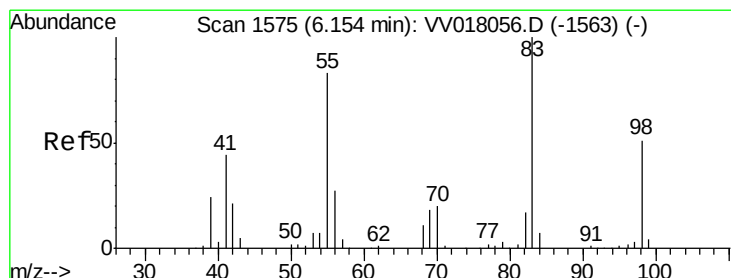
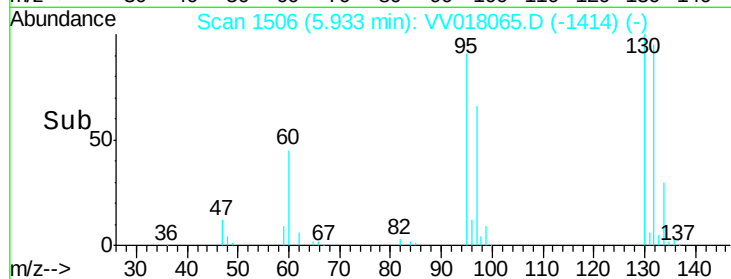
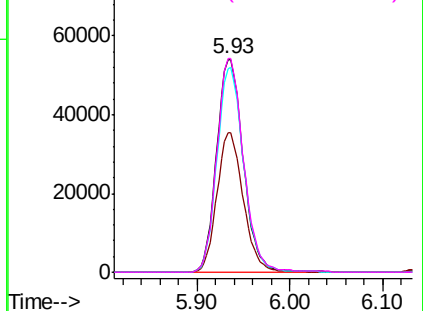
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

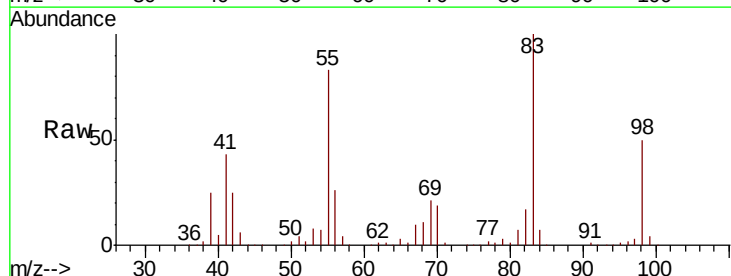
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 48.929 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Tgt Ion:	83	Resp:	158470
Ion	Ratio	Lower	Upper
83	100		
55	81.2	64.9	97.3
98	48.4	38.7	58.1

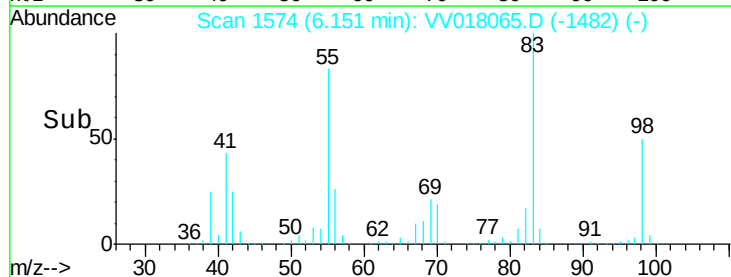
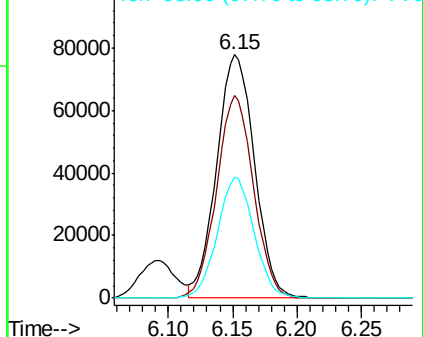


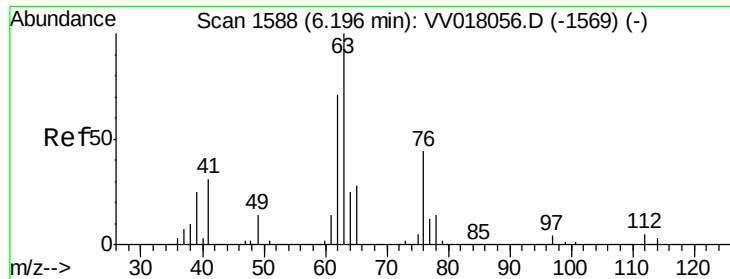
Abundance

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

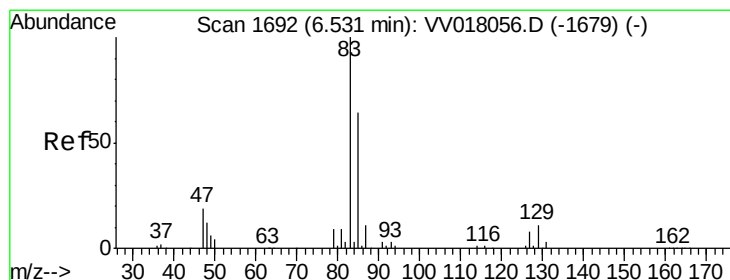
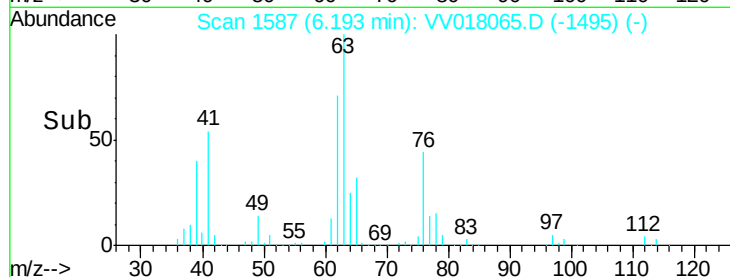
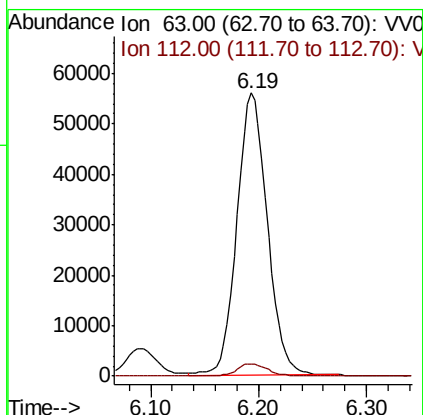
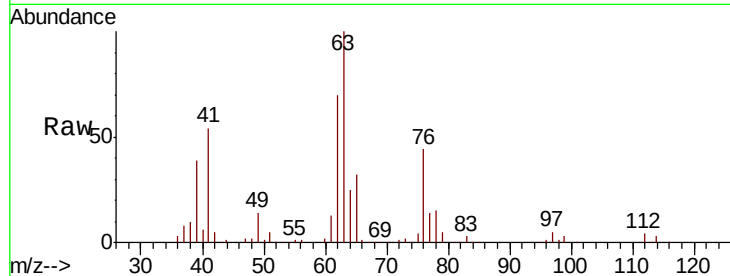




#37
 1,2-Dichloropropane
 Concen: 49.147 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

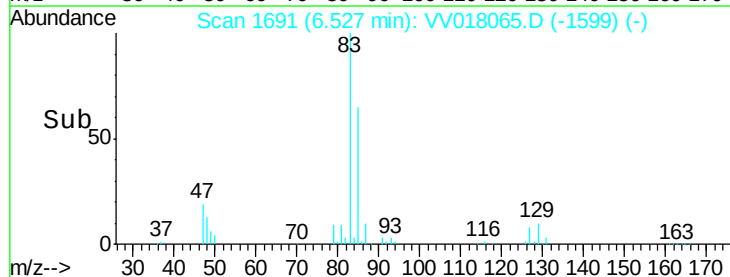
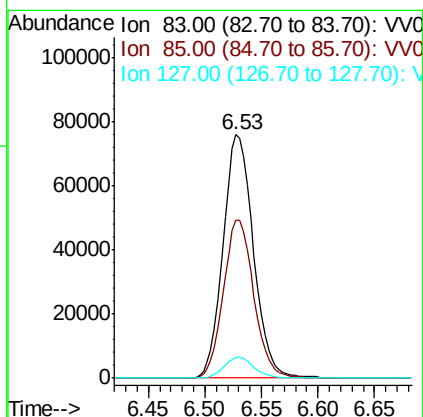
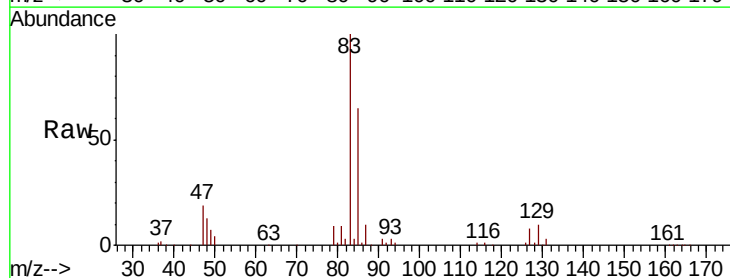
Instrument :
 MSVOA_V
 ClientSampleId :

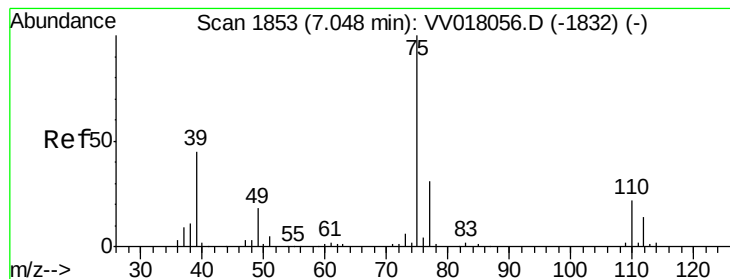
Tot Ion: 63 Resp: 110444
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.860 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Tgt Ion: 83 Resp: 141964
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.3 82.3
 127 8.3 6.5 9.7



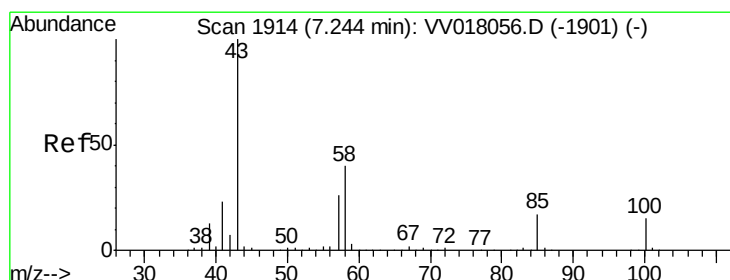
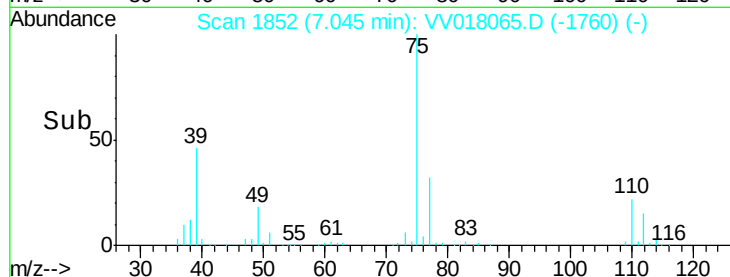
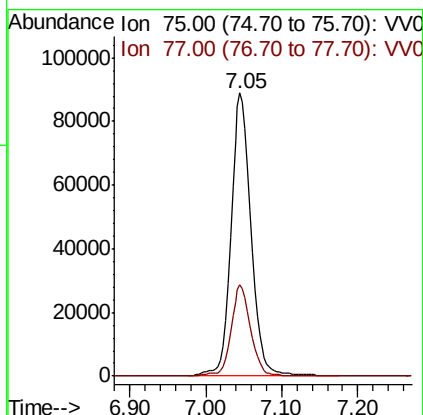
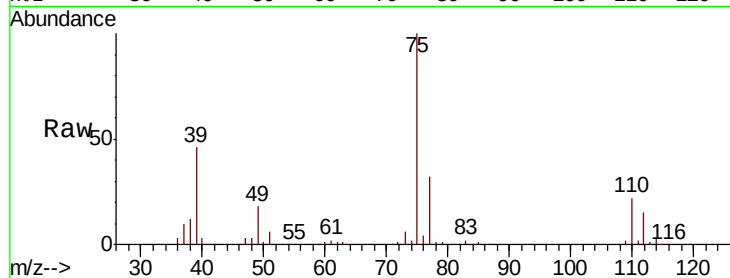


#39

cis-1,3-Dichloropropene
Concen: 51.159 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

Instrument :
MSVOA_V
ClientSampled :

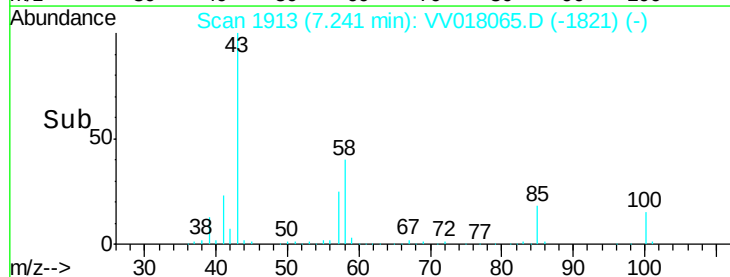
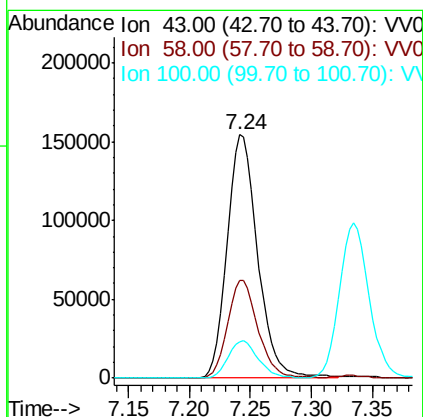
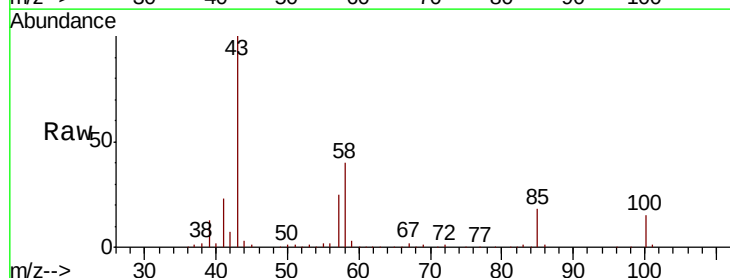
Tot Ion: 75 Resp: 162975
Ion Ratio Lower Upper
75 100
77 32.1 22.3 41.5

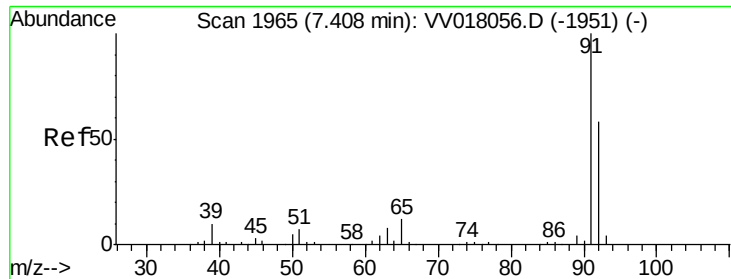


#40

4-Methyl-2-pentanone
Concen: 92.167 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

Tgt Ion: 43 Resp: 270754
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
100 15.2 12.2 18.2





#42

Toluene

Concen: 50.368 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

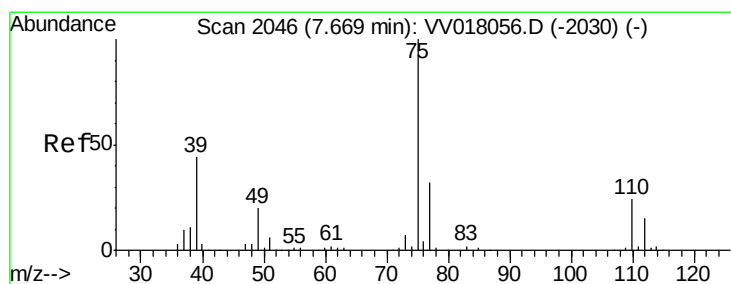
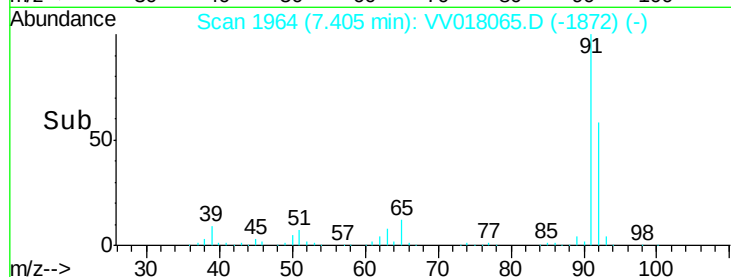
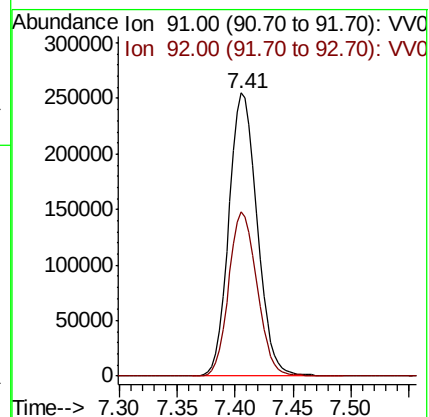
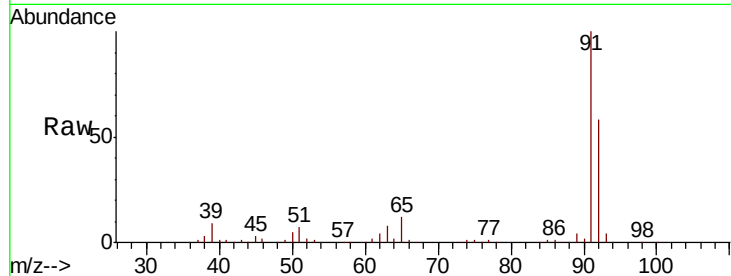
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 433089

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 52.485 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018065.D

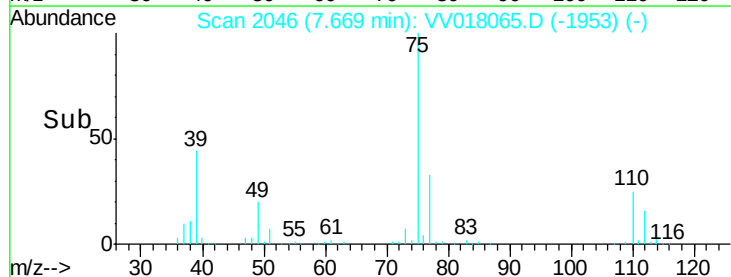
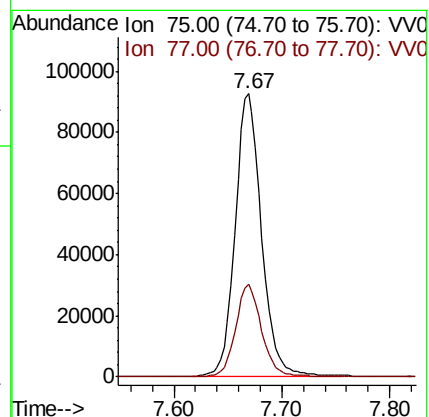
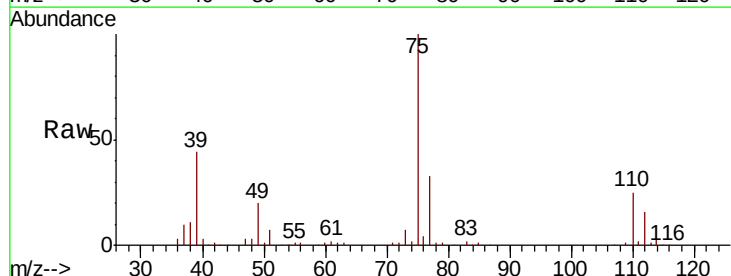
Acq: 20 Aug 2020 11:02

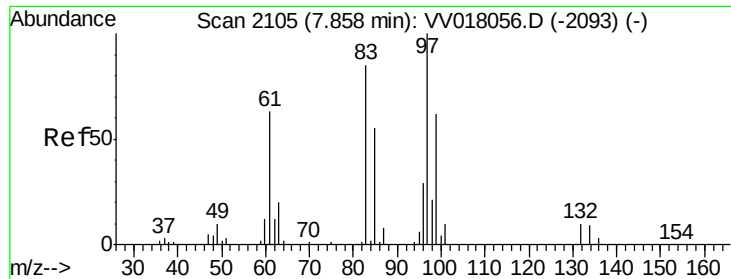
Tgt Ion: 75 Resp: 158641

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.5

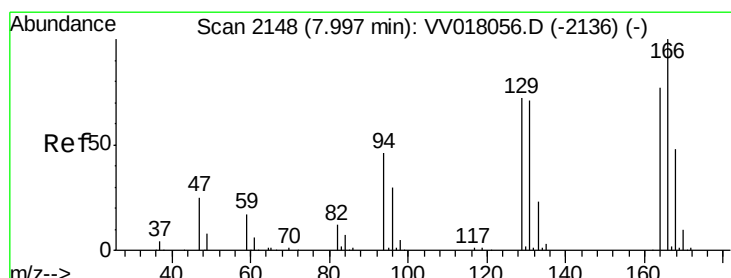
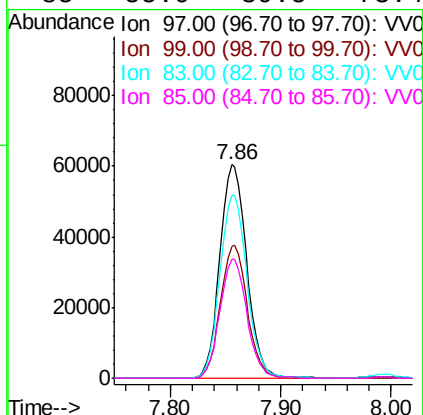
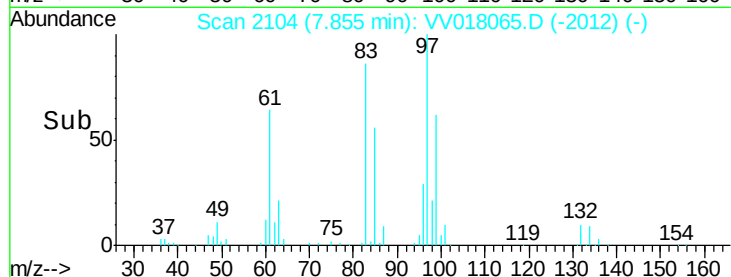
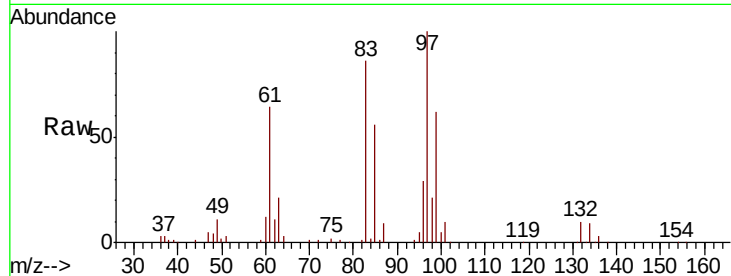




#45
 1,1,2-Trichloroethane
 Concen: 49.365 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

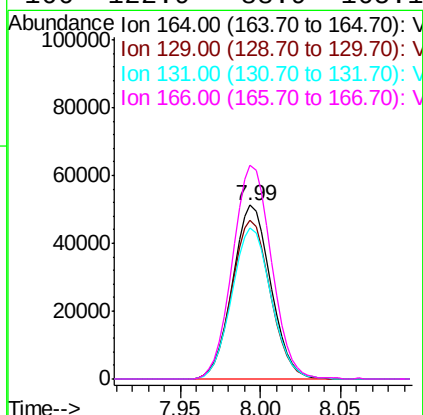
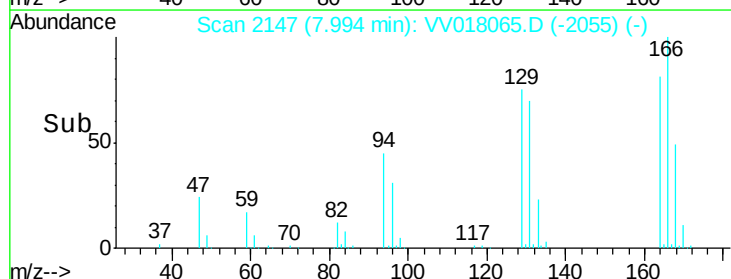
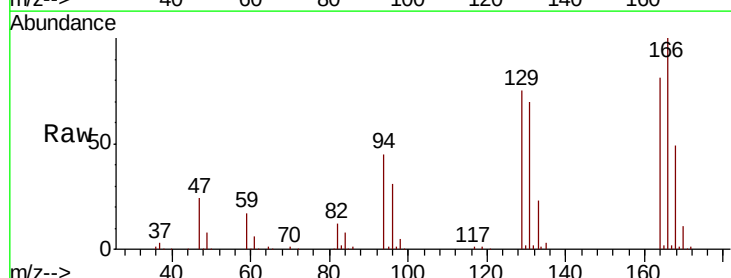
Instrument :
 MSVOA_V
 ClientSampled :

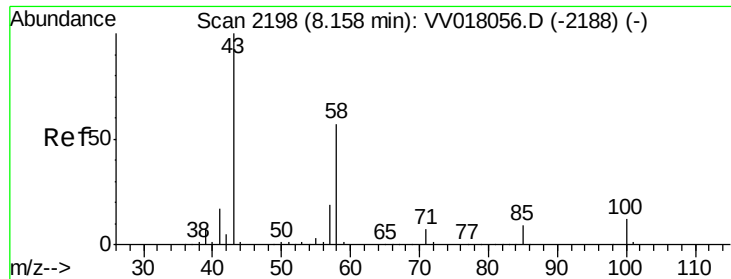
Tot Ion:	97	Resp:	102732
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.2	82.2
83	85.9	61.0	113.4
85	55.9	39.5	73.4



#46
 Tetrachloroethene
 Concen: 52.418 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Tgt Ion:	164	Resp:	83733
Ion	Ratio	Lower	Upper
164	100		
129	91.7	64.8	120.3
131	86.6	64.5	119.9
166	122.9	88.9	165.1

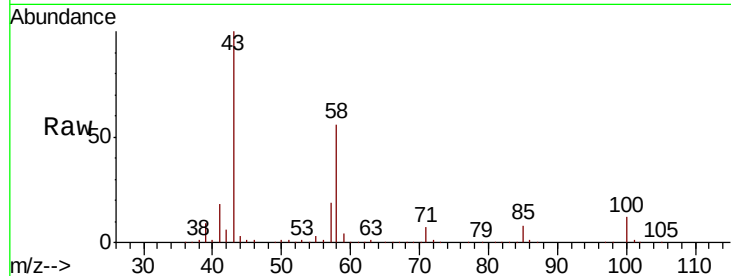




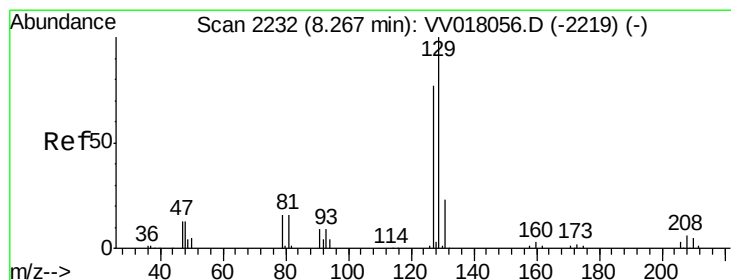
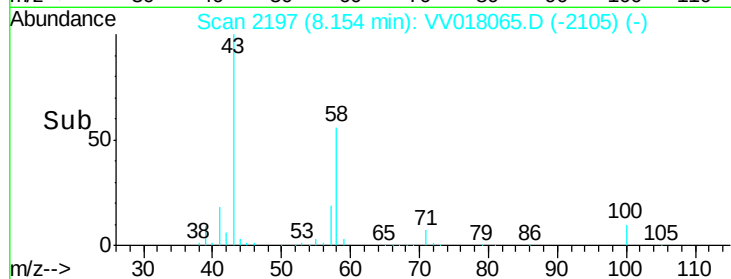
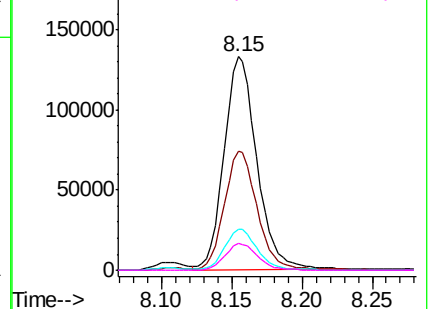
#48
2-Hexanone
Concen: 90.084 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 213399
Ion Ratio Lower Upper
43 100
58 56.2 44.4 66.6
57 19.6 15.2 22.8
100 12.6 9.8 14.6

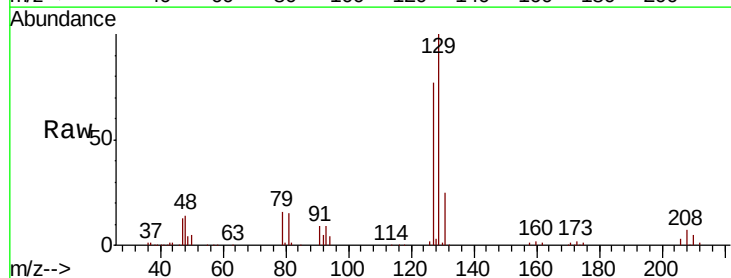


Abundance Ion 43.00 (42.70 to 43.70): VV018065.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV018065.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV018065.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV018065.D (-2188) (-)

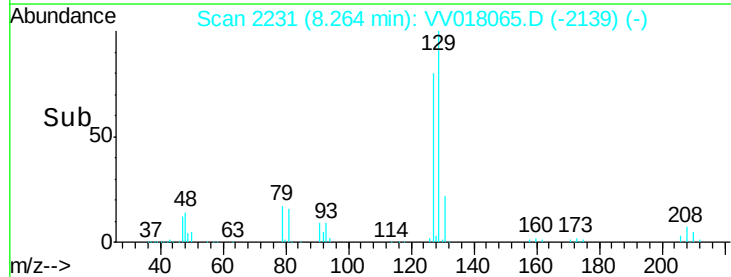
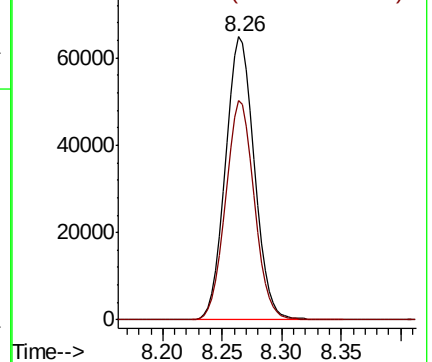


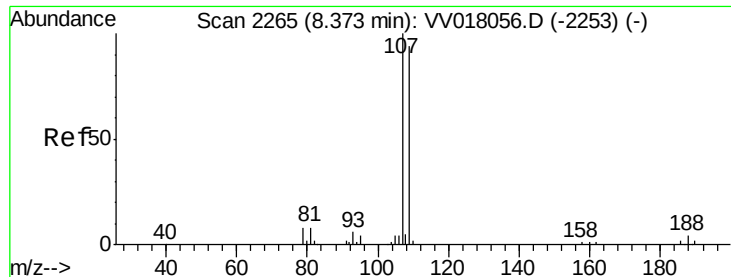
#49
Dibromochloromethane
Concen: 53.813 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018065.D
Acq: 20 Aug 2020 11:02

Tgt Ion: 129 Resp: 109311
Ion Ratio Lower Upper
129 100
127 77.3 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018065.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018065.D (-2219) (-)

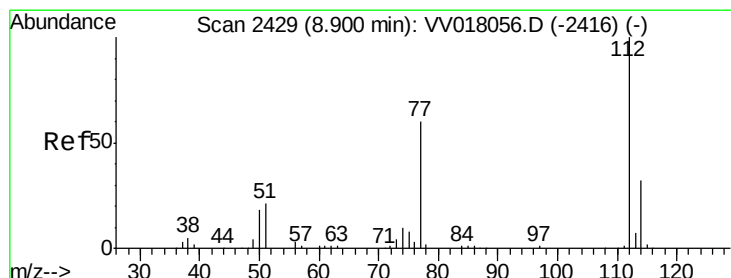
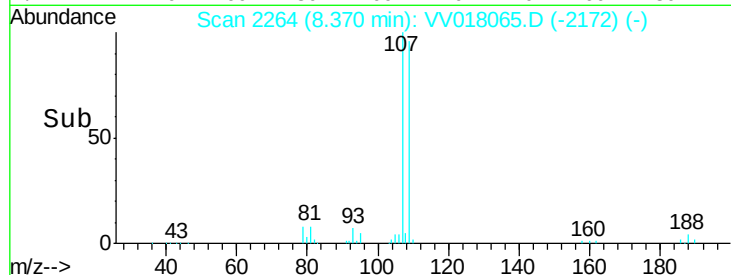
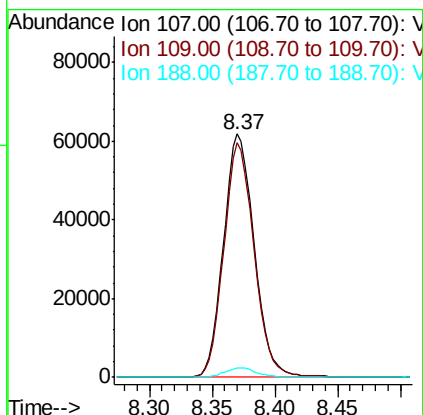
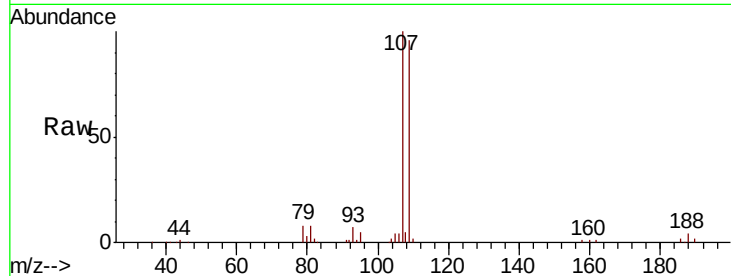




#50
 1,2-Dibromoethane
 Concen: 48.826 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

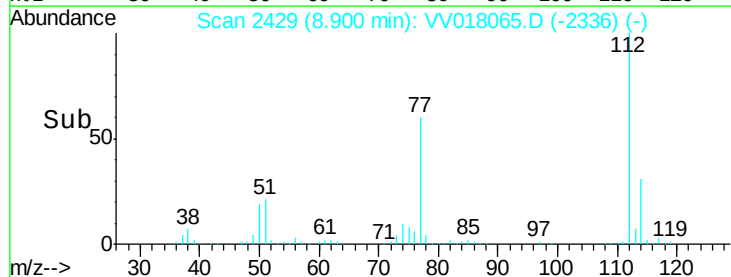
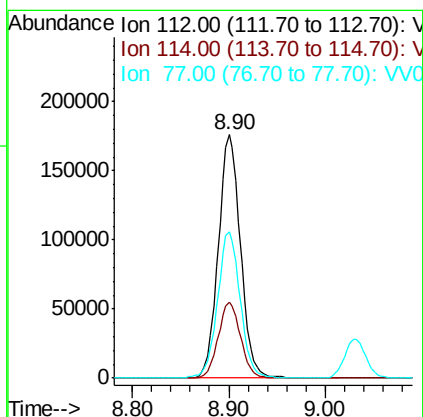
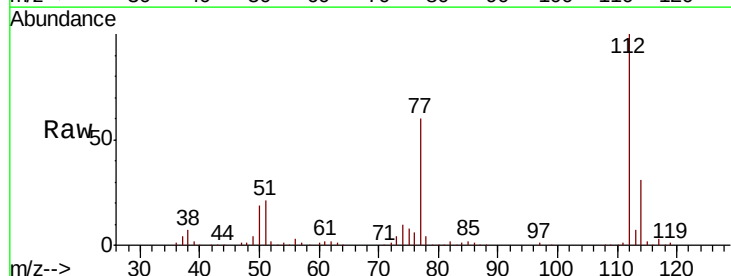
Instrument :
 MSVOA_V
 ClientSampleId :

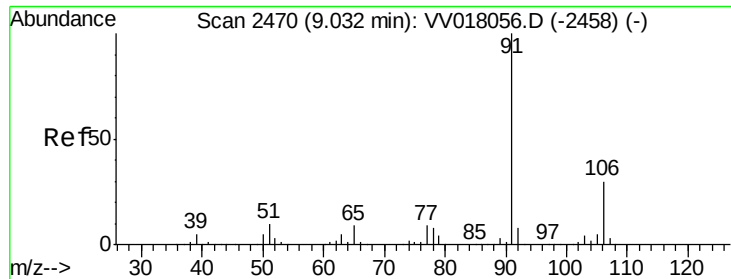
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	67.5	125.4
188	4.0	3.4	5.0



#51
 Chlorobenzene
 Concen: 50.768 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.7	42.3
77	60.3	49.4	74.2





#52

Ethylbenzene

Concen: 51.064 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

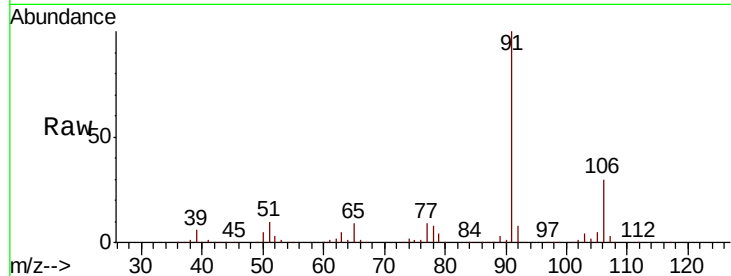
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 478745

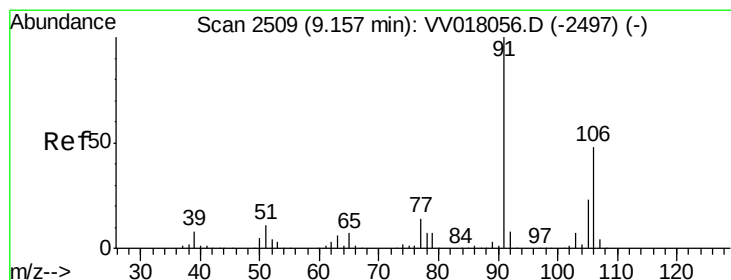
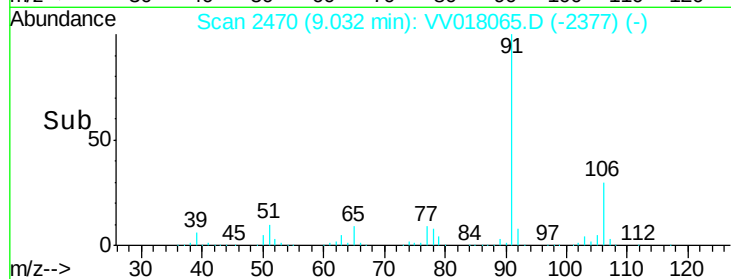
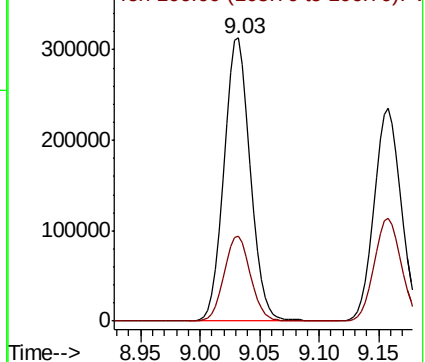
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018065.D (-2458) (-)



#53

m,p-Xylene

Concen: 52.722 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018065.D

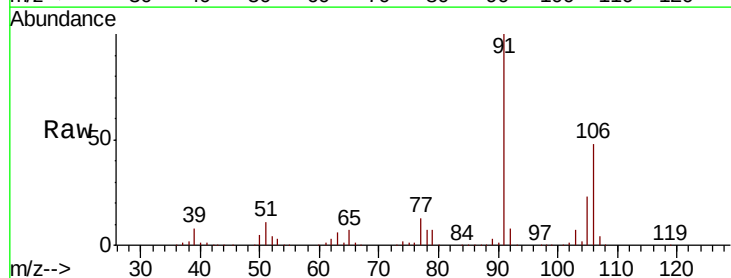
Acq: 20 Aug 2020 11:02

Tgt Ion: 106 Resp: 181799

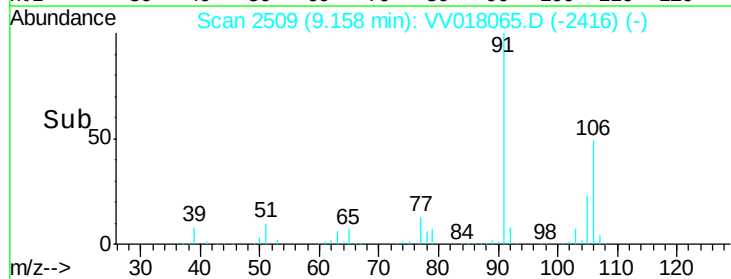
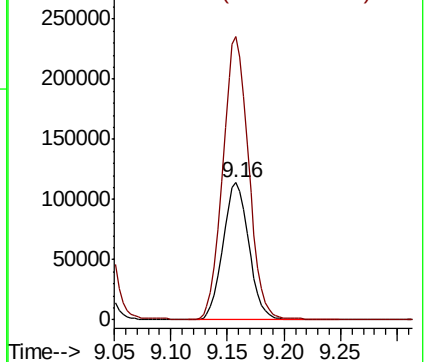
Ion Ratio Lower Upper

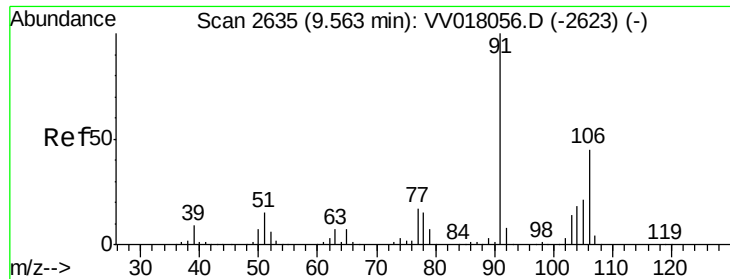
106 100

91 206.4 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018065.D (-2497) (-)





#54

o-xylene

Concen: 51.048 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

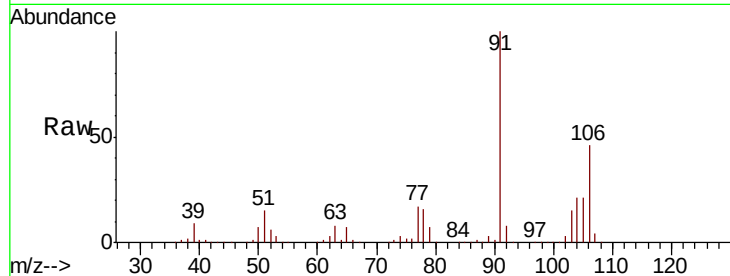
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 173955

Ion Ratio Lower Upper

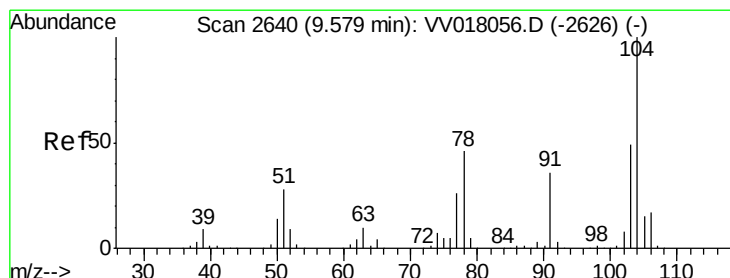
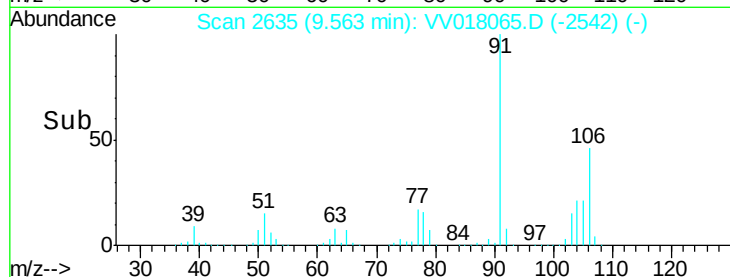
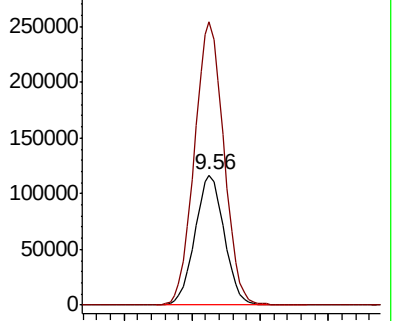
106 100

91 217.9 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.470 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018065.D

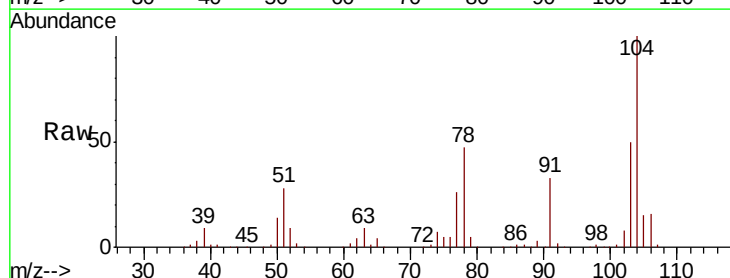
Acq: 20 Aug 2020 11:02

Tgt Ion:104 Resp: 312032

Ion Ratio Lower Upper

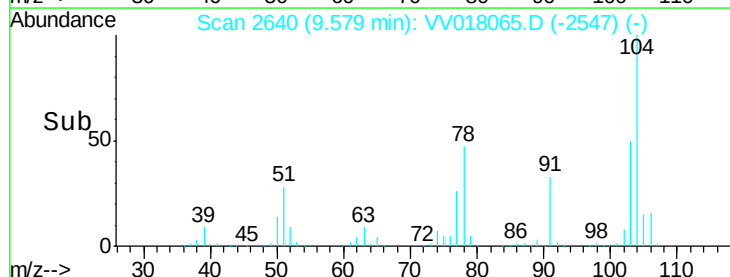
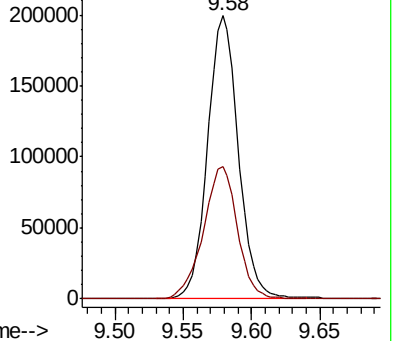
104 100

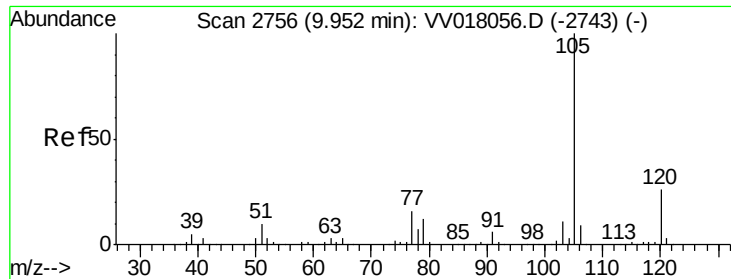
78 46.9 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.039 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

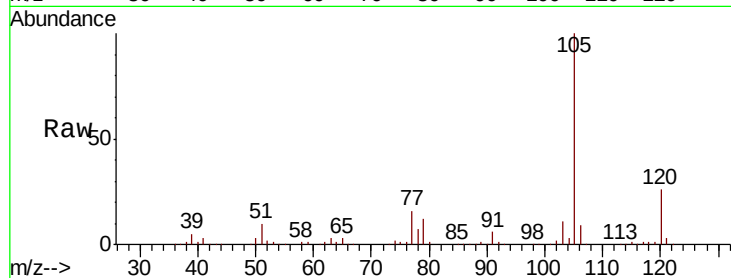
Tot Ion:105 Resp: 467818

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

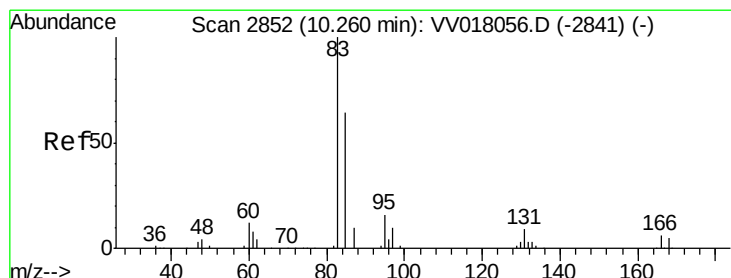
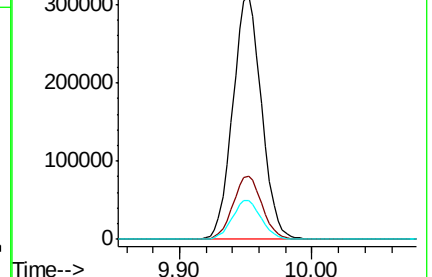
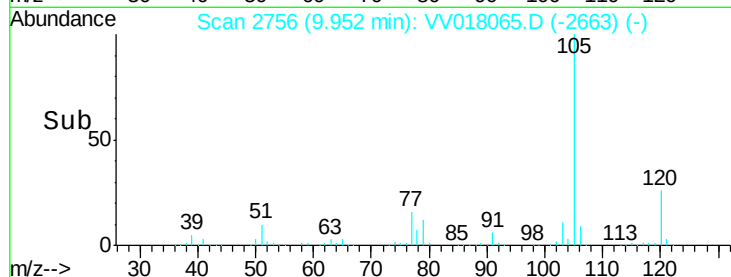
77 16.1 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): VV018056.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV018056.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV018056.D (-2743) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 46.802 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

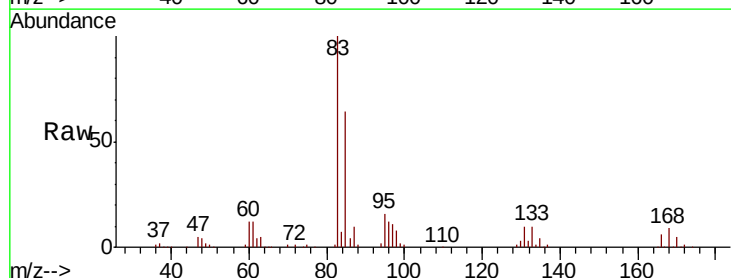
Tgt Ion: 83 Resp: 151668

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.7

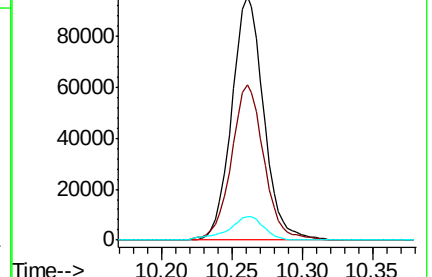
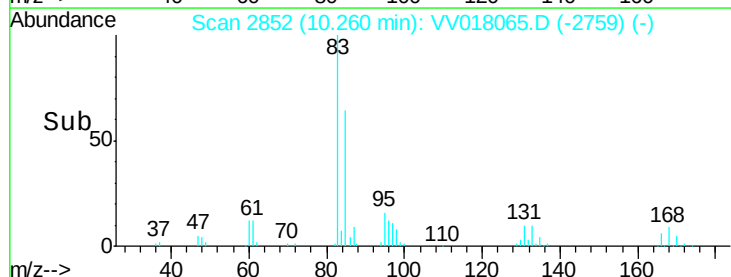
131 9.7 7.8 11.6

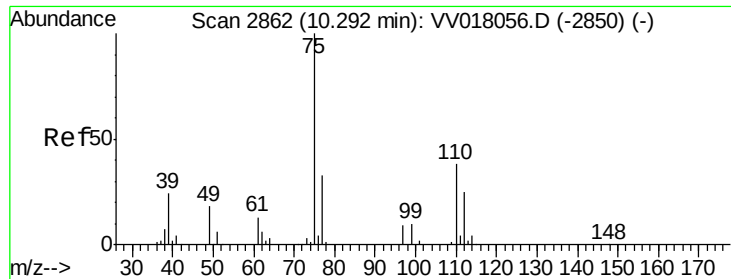


Abundance Ion 83.00 (82.70 to 83.70): VV018056.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV018056.D (-2841) (-)

Ion 131.00 (130.70 to 131.70): VV018056.D (-2841) (-)





#59

1,2,3-Trichloropropane

Concen: 47.331 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

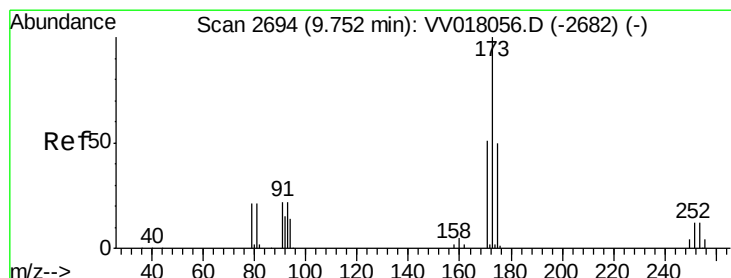
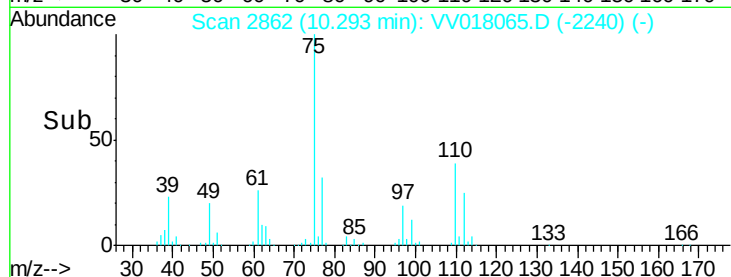
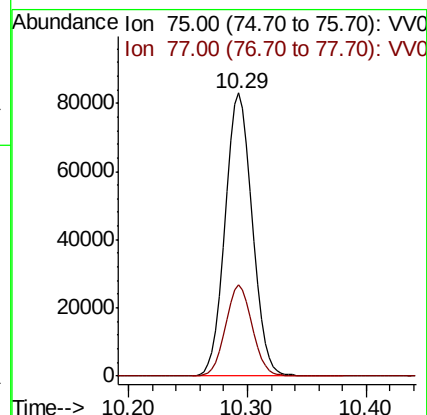
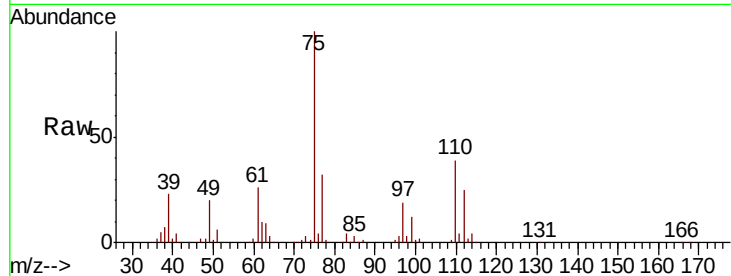
ClientSampled :

Tot Ion: 75 Resp: 131357

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5



#61

Bromoform

Concen: 53.231 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

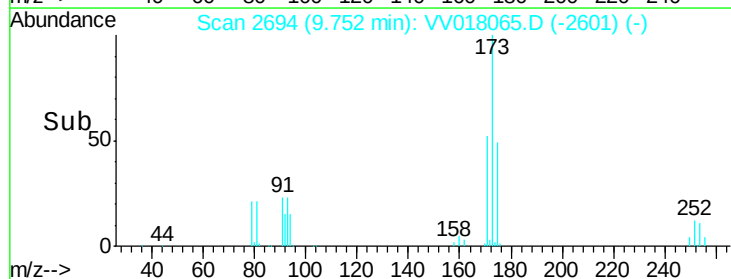
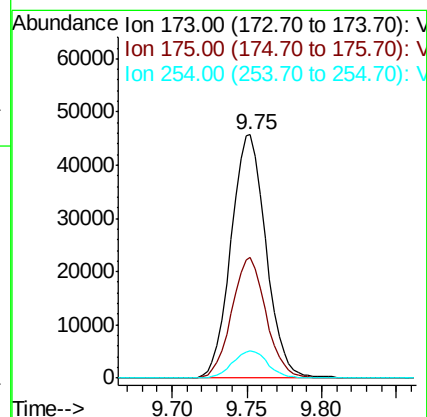
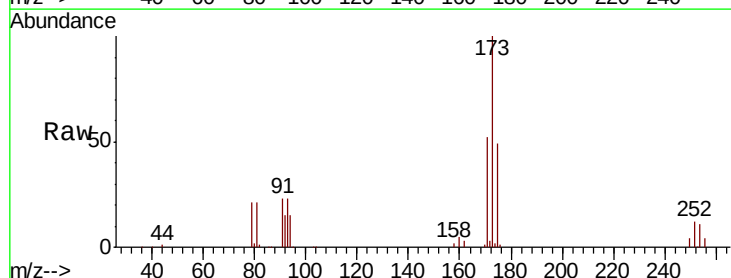
Tgt Ion: 173 Resp: 74521

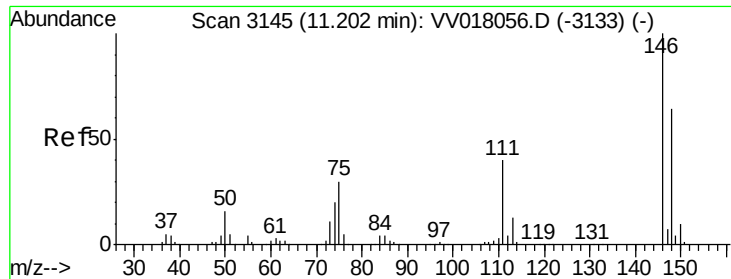
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 11.1 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 49.889 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

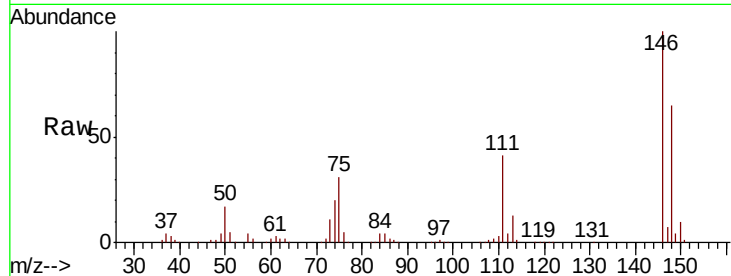
Tot Ion:146 Resp: 234723

Ion Ratio Lower Upper

146 100

111 40.6 28.8 53.4

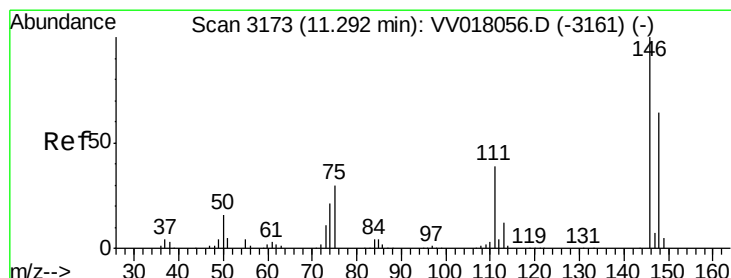
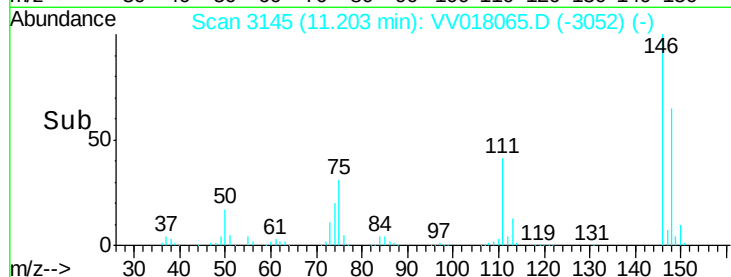
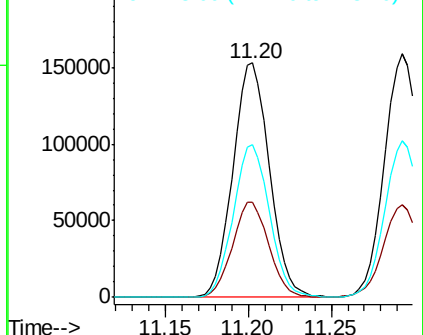
148 65.2 44.9 83.5



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: 50.182 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

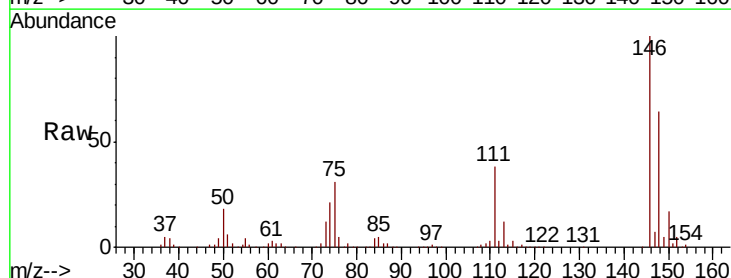
Tgt Ion:146 Resp: 242542

Ion Ratio Lower Upper

146 100

111 38.2 28.0 52.0

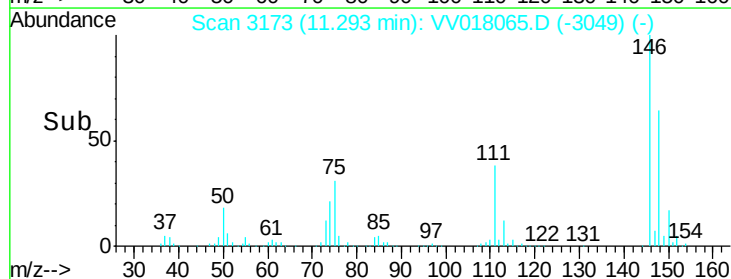
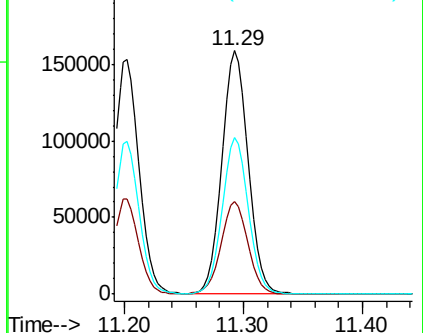
148 64.2 44.2 82.2

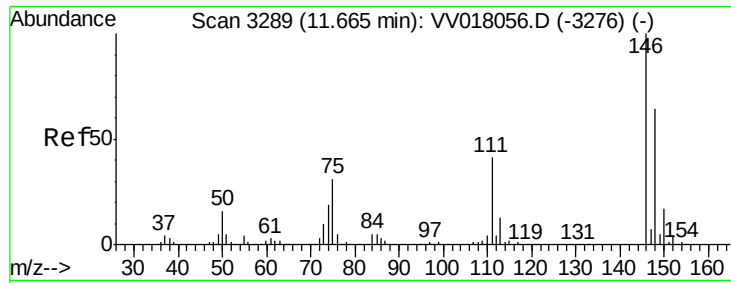


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

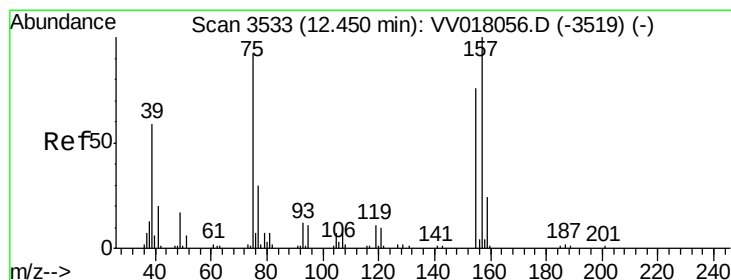
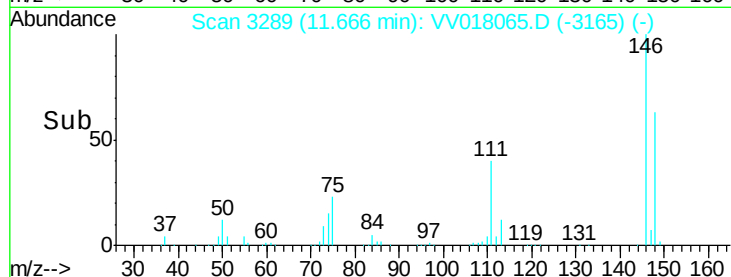
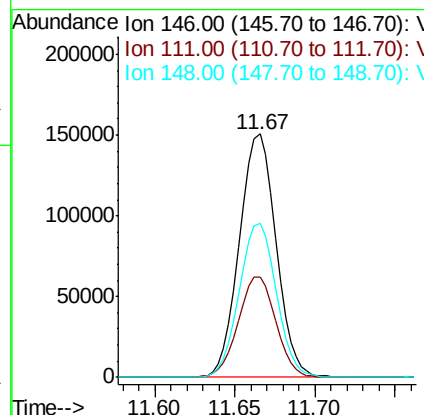
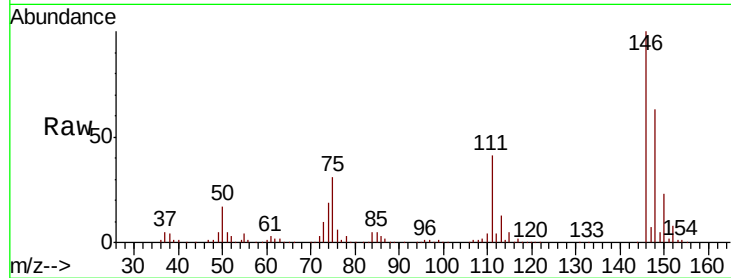




#65
 1,2-Dichlorobenzene
 Concen: 48.776 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

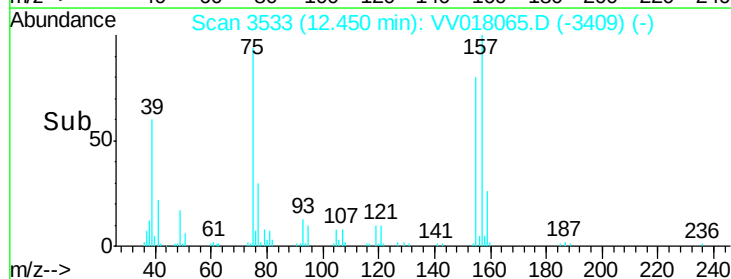
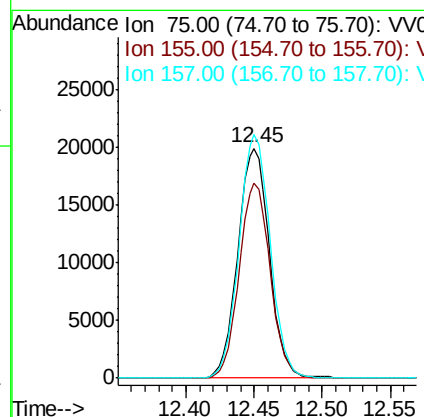
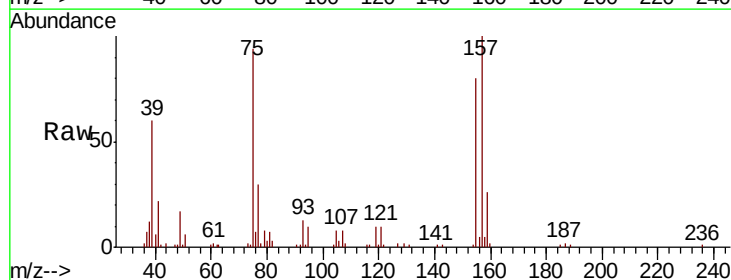
Instrument :
 MSVOA_V
 ClientSampleId :

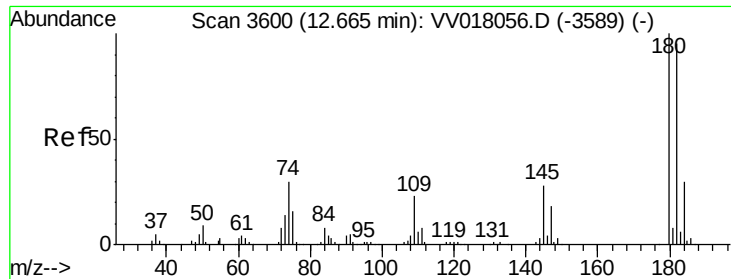
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	34.2	51.4
148	63.3	50.6	76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.635 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	67.6	101.4
157	106.0	84.3	126.5

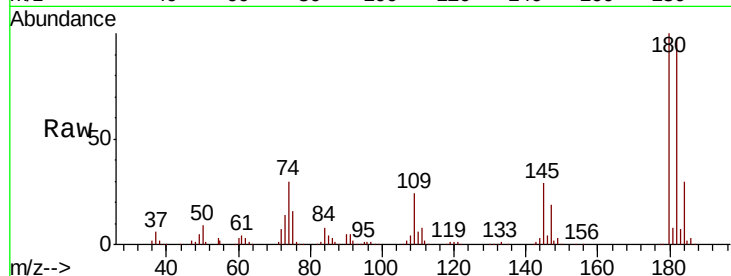




#67
 1,3,5-Trichlorobenzene
 Concen: 52.037 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
184	30.3	24.6	36.8
145	29.2	23.5	35.3

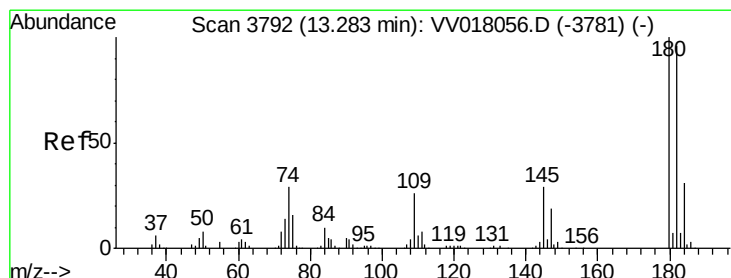
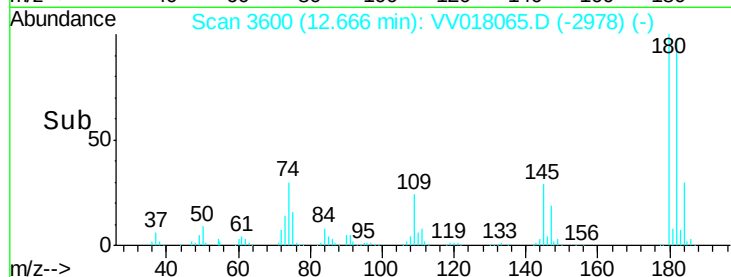
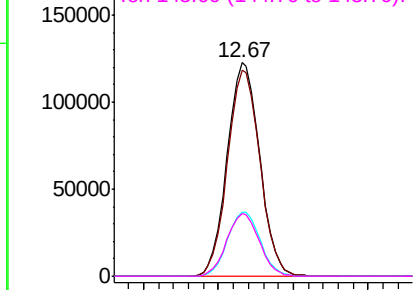


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

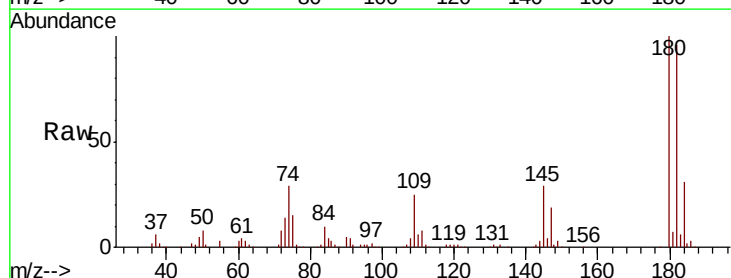
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.677 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018065.D
 Acq: 20 Aug 2020 11:02

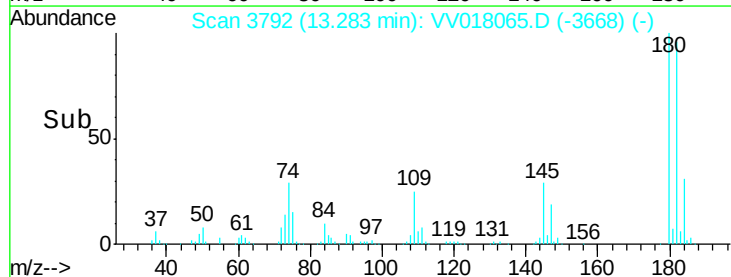
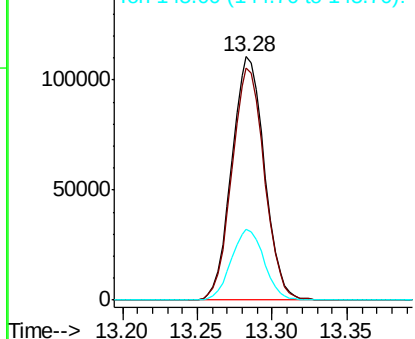
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	29.1	24.0	36.0

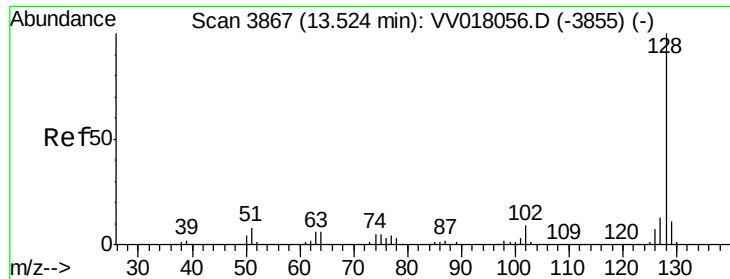


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.232 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

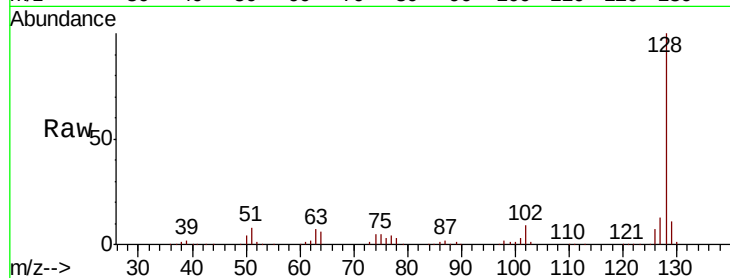
Tot Ion:128 Resp: 426396

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

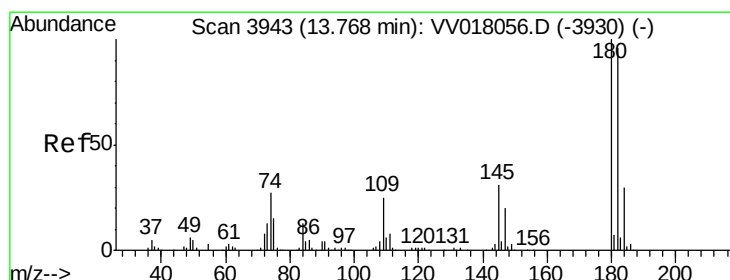
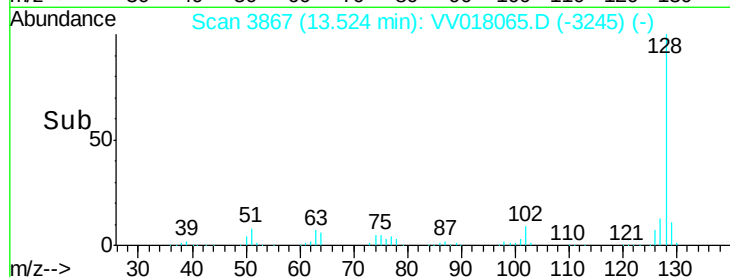
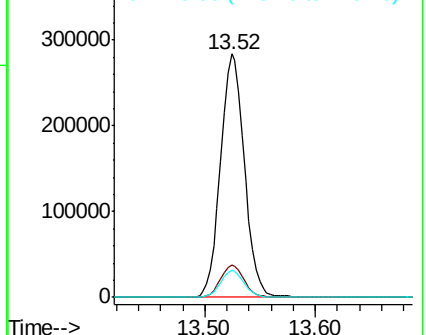
129 10.9 8.7 13.1



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: 52.457 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018065.D

Acq: 20 Aug 2020 11:02

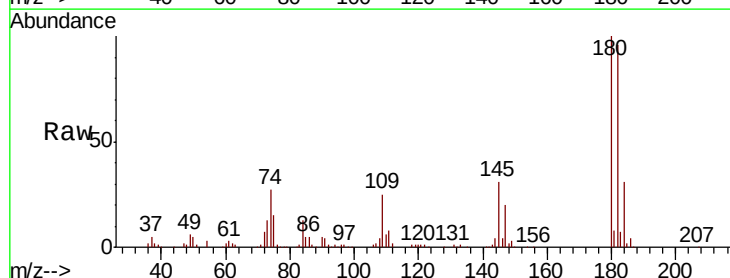
Tgt Ion:180 Resp: 167630

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 31.4 26.0 39.0



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

