

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018148.D
 Acq On : 03 Sep 2020 11:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB601

Quant Time: Sep 04 02:08:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 16 12:16:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	254004	50.00	ug/L	-0.02
28) Chlorobenzene-d5	8.87	117	251498	50.00	ug/L	-0.02
58) 1,4-Dichlorobenzene-d4	11.27	152	139551	50.00	ug/L	-0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	75466	54.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.70%
7) Chloroethane-d5	1.58	69	70146	71.17	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	142.34%#
11) 1,1-Dichloroethene-d2	2.12	63	164506	68.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	136.68%#
21) 2-Butanone-d5	3.90	46	127564	126.09	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.09%
24) Chloroform-d	4.37	84	171510	49.23	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
26) 1,2-Dichloroethane-d4	5.05	65	109766	49.05	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
32) Benzene-d6	5.07	84	321145	44.37	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.74%
36) 1,2-Dichloropropane-d6	6.09	67	106875	50.98	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.96%
41) Toluene-d8	7.33	98	293137	42.01	ug/L	-0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.02%
43) trans-1,3-Dichloropropene-	7.64	79	52930	44.41	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.82%
47) 2-Hexanone-d5	8.10	63	72889	83.72	ug/L	-0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.72%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	148657	50.31	ug/L	-0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.62%
66) 1,2-Dichlorobenzene-d4	11.65	152	131841	40.17	ug/L	-0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.34%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	89185	49.711	ug/L	99
3) Chloromethane	1.25	50	98771	77.535	ug/L	100
5) Vinyl chloride	1.32	62	107445	87.381	ug/L	99
6) Bromomethane	1.53	94	63414	88.832	ug/L	100
8) Chloroethane	1.59	64	70572	109.588	ug/L	100
9) Trichlorofluoromethane	1.76	101	159576	79.819	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96445	98.409	ug/L	90
12) 1,1-Dichloroethene	2.13	96	85661	92.822	ug/L	94
13) Acetone	2.18	43	164335	238.244	ug/L	95
14) Carbon disulfide	2.31	76	211566	67.840	ug/L	100
15) Methyl Acetate	2.44	43	105313	87.259	ug/L	92
16) Methylene chloride	2.52	84	104498	74.630	ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	88917	68.235	ug/L	92
18) Methyl tert-butyl Ether	2.78	73	311284	69.520	ug/L	97
19) 1,1-Dichloroethane	3.21	63	184991	77.846	ug/L	97
20) cis-1,2-Dichloroethene	3.93	96	102385	66.706	ug/L	82
22) 2-Butanone	3.98	43	172812	194.400	ug/L	93

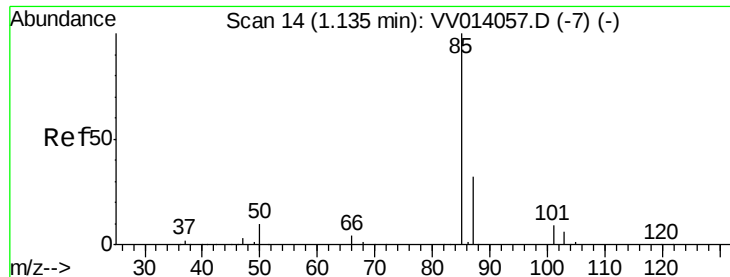
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
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 Quant Title : VOC Analysis
 QLast Update : Mon Dec 16 12:16:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	53425	63.300	ug/L	# 77
25) Chloroform	4.40	83	193950	72.002	ug/L	98
27) 1,2-Dichloroethane	5.15	62	147882	70.636	ug/L	99
29) Cyclohexane	4.70	56	144421	68.674	ug/L	91
30) 1,1,1-Trichloroethane	4.63	97	162087	60.671	ug/L	97
31) Carbon tetrachloride	4.85	117	140241	56.584	ug/L	98
33) Benzene	5.12	78	394394	68.124	ug/L	100
34) Trichloroethene	5.93	95	104104	64.696	ug/L	94
35) Methylcyclohexane	6.15	83	149913	62.593	ug/L	92
37) 1,2-Dichloropropane	6.19	63	109962	77.872	ug/L	98
38) Bromodichloromethane	6.53	83	145662	65.571	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	168696	67.761	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	284433	156.504	ug/L	96
42) Toluene	7.41	91	425272	66.110	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	168243	71.590	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	103599	68.060	ug/L	96
46) Tetrachloroethene	7.99	164	80737	53.851	ug/L	97
48) 2-Hexanone	8.15	43	240699	175.669	ug/L	97
49) Dibromochloromethane	8.26	129	114751	58.094	ug/L	99
50) 1,2-Dibromoethane	8.37	107	106504	63.266	ug/L	98
51) Chlorobenzene	8.90	112	278950	64.317	ug/L	95
52) Ethylbenzene	9.03	91	472799	65.503	ug/L	98
53) m,p-Xylene	9.16	106	178581	64.135	ug/L	99
54) o-Xylene	9.56	106	172237	62.336	ug/L	98
55) Styrene	9.58	104	312373	67.112	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	159260	68.037	ug/L	98
59) Bromoform	9.75	173	85322	52.123	ug/L	98
60) Isopropylbenzene	9.95	105	467803	61.236	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	132718	70.037	ug/L	97
62) 1,3,5-Trimethylbenzene	10.56	105	391912	59.342	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	406183	62.315	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	236850	61.447	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	240132	61.633	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	235269	59.822	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	33554	53.727	ug/L	84
69) 1,3,5-Trichlorobenzene	12.67	180	188127	60.207	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	172684	63.738	ug/L	100
71) Naphthalene	13.52	128	455330	66.311	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	174493	64.001	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.711 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampled :

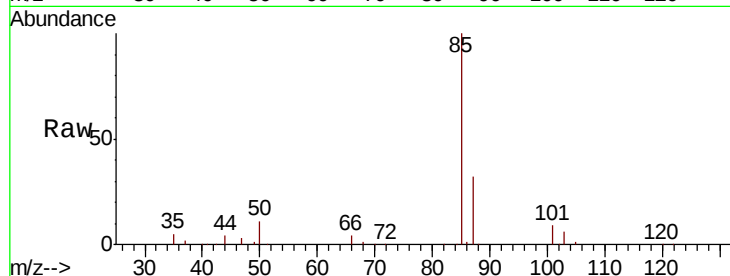
BFB601

Tot Ion: 85 Resp: 89185

Ion Ratio Lower Upper

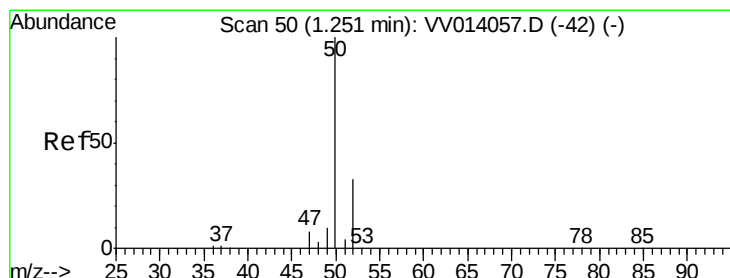
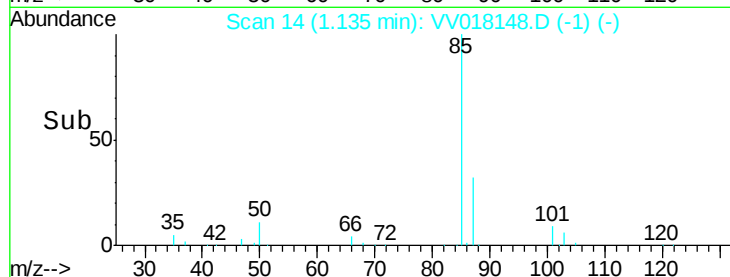
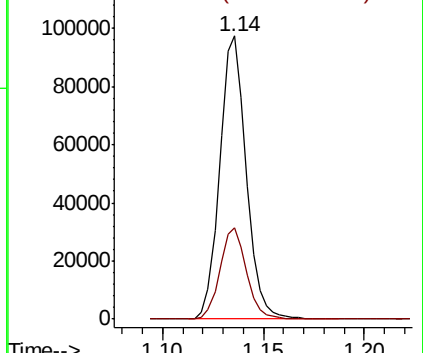
85 100

87 32.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 77.535 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018148.D

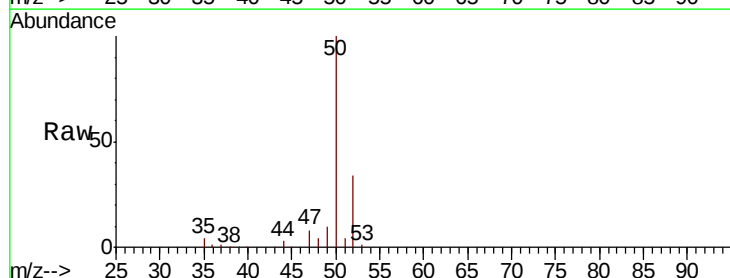
Acq: 03 Sep 2020 11:33

Tgt Ion: 50 Resp: 98771

Ion Ratio Lower Upper

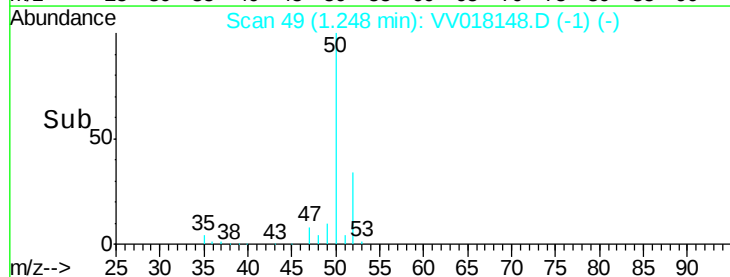
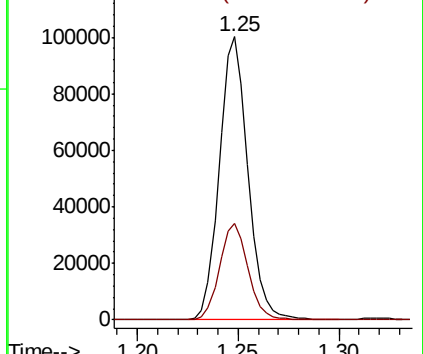
50 100

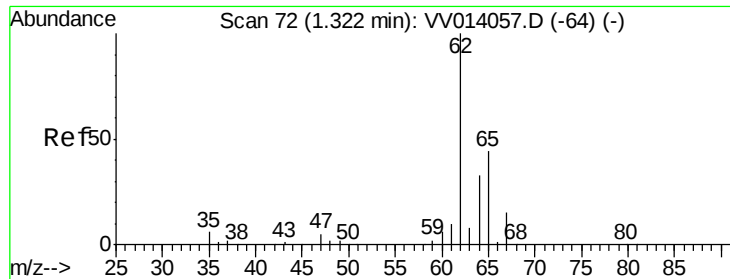
52 34.1 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 87.381 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampled :

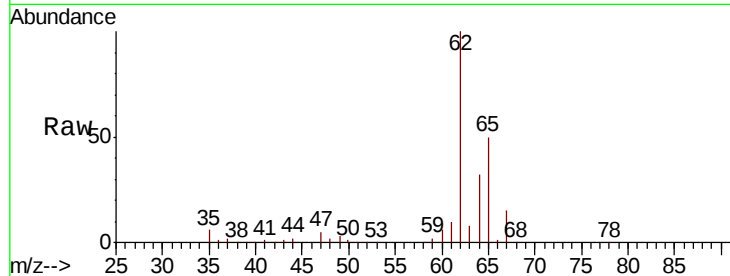
BFB601

Tot Ion: 62 Resp: 107445

Ion Ratio Lower Upper

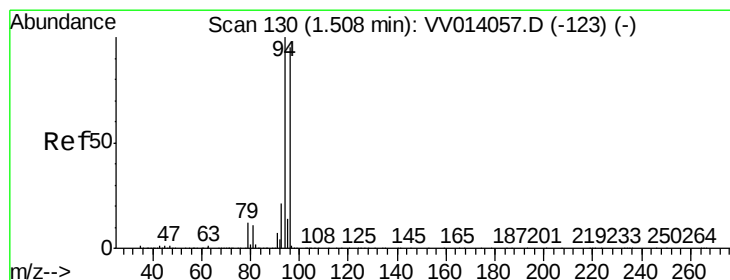
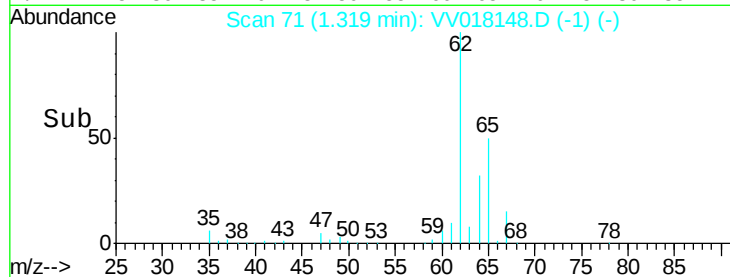
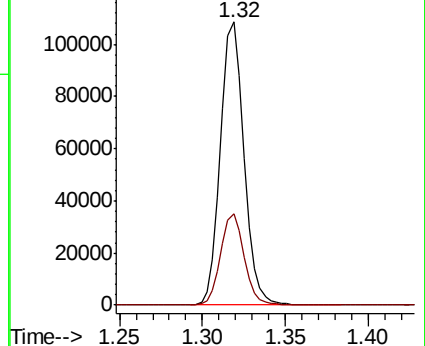
62 100

64 32.1 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 88.832 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.02 min

Lab File: VV018148.D

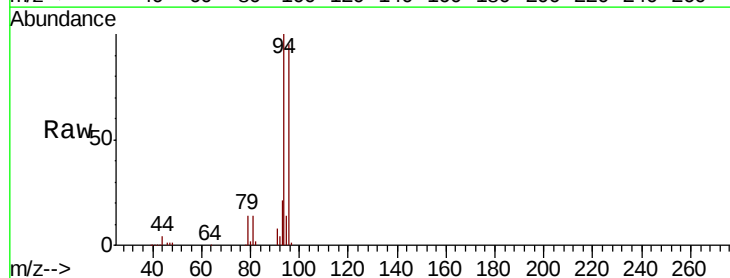
Acq: 03 Sep 2020 11:33

Tgt Ion: 94 Resp: 63414

Ion Ratio Lower Upper

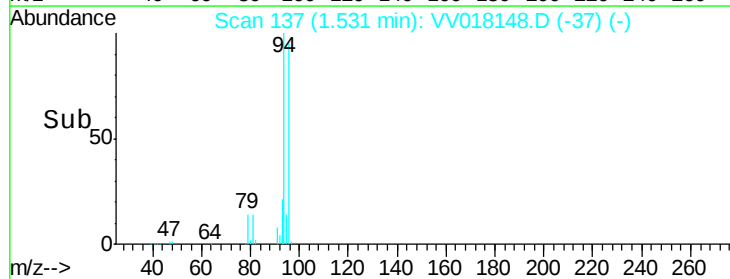
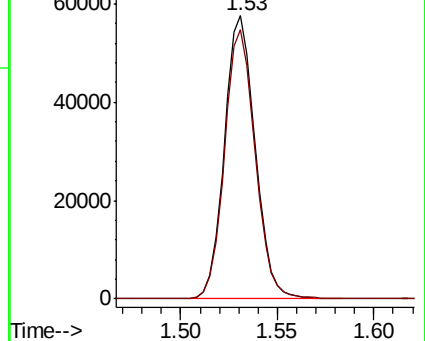
94 100

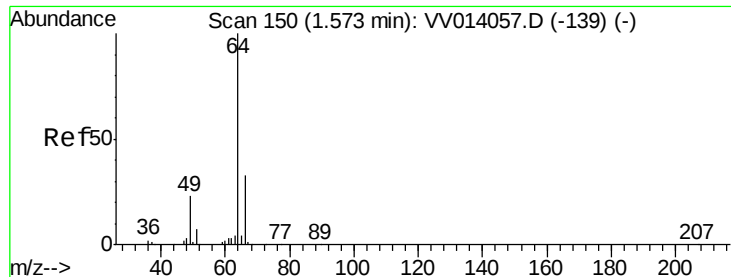
96 95.2 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 109.588 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

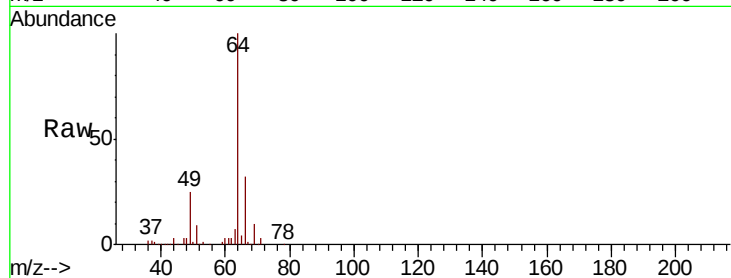
BFB601

Tot Ion: 64 Resp: 70572

Ion Ratio Lower Upper

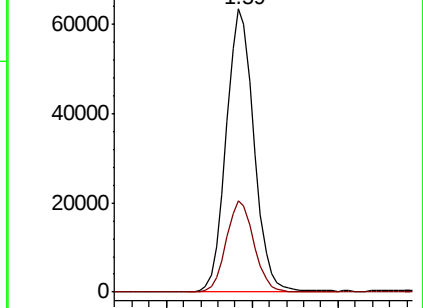
64 100

66 32.2 22.6 42.0

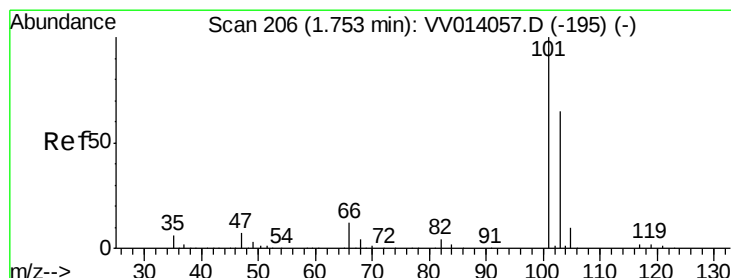
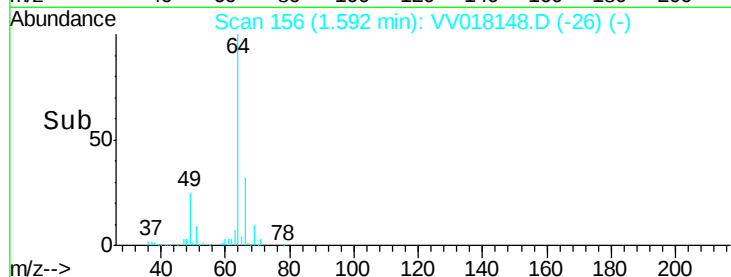


Abundance Ion 64.00 (63.70 to 64.70): VV014057.D (-139) (-)

Ion 66.00 (65.70 to 66.70): VV014057.D (-139) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 79.819 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV018148.D

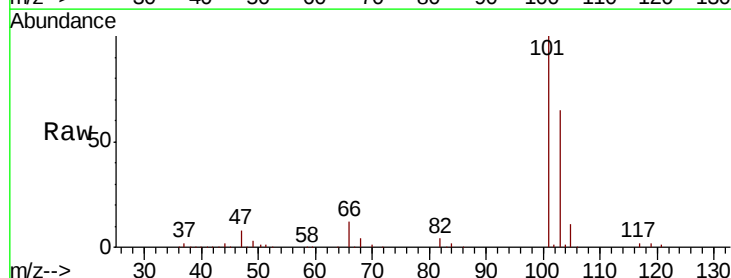
Acq: 03 Sep 2020 11:33

Tgt Ion:101 Resp: 159576

Ion Ratio Lower Upper

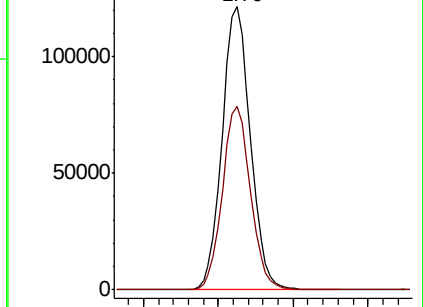
101 100

103 64.5 52.5 78.7

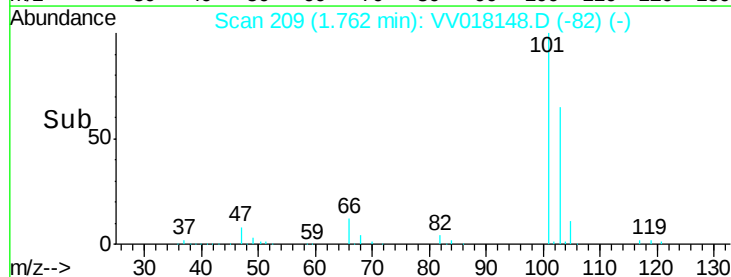


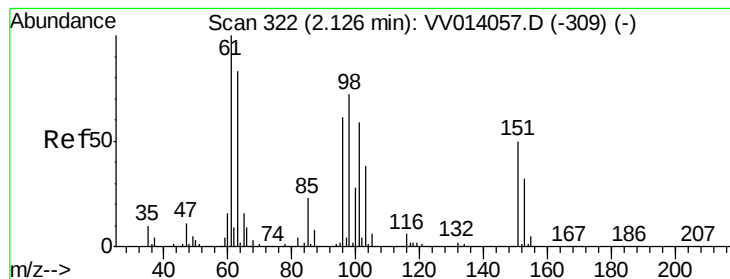
Abundance Ion 101.00 (100.70 to 101.70): VV014057.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV014057.D (-195) (-)



Time-->





#10

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

Concen: 98.409 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampled :

BFB601

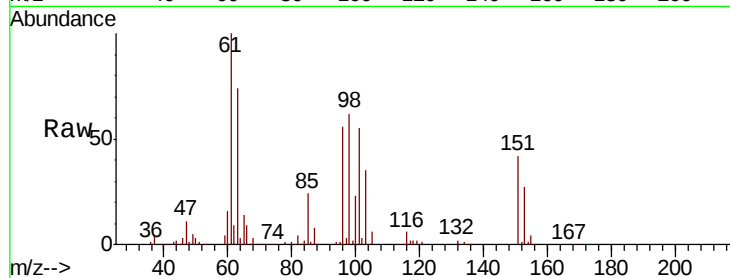
Tot Ion:101 Resp: 96445

Ion Ratio Lower Upper

101 100

85 42.4 34.4 51.6

151 76.3 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV018148.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV018148.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV018148.D (-229) (-)

Time-->

2.05 2.10 2.15 2.20

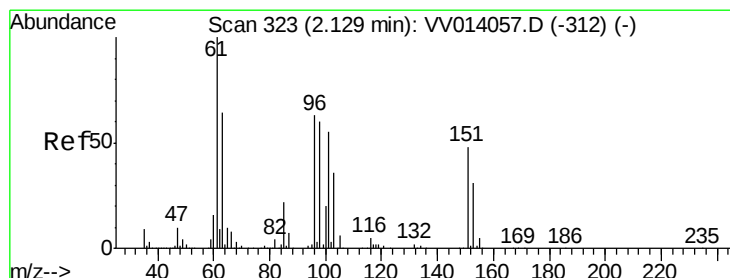
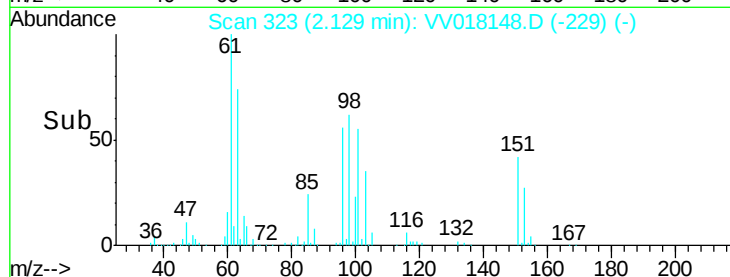
2.13

60000

40000

20000

0



#12

1,1-Dichloroethene

Concen: 92.822 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

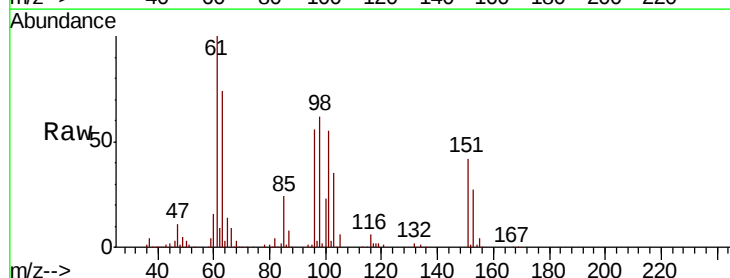
Tgt Ion: 96 Resp: 85661

Ion Ratio Lower Upper

96 100

61 177.9 120.0 223.0

63 131.9 98.3 182.7



Abundance Ion 96.00 (95.70 to 96.70): VV018148.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV018148.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV018148.D (-230) (-)

Time-->

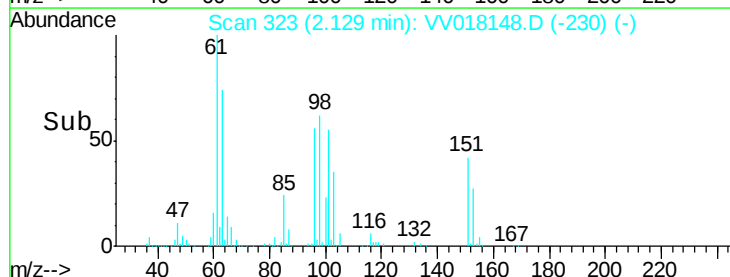
2.05 2.10 2.15 2.20

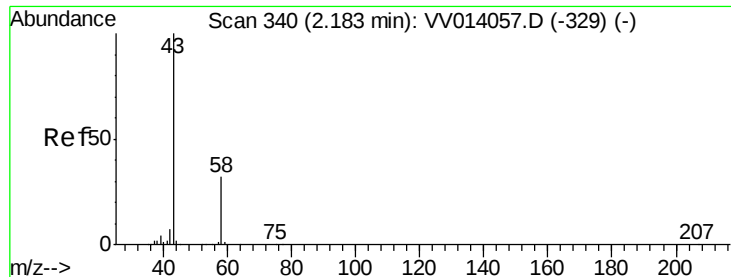
2.13

100000

50000

0





#13

Acetone

Concen: 238.244 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

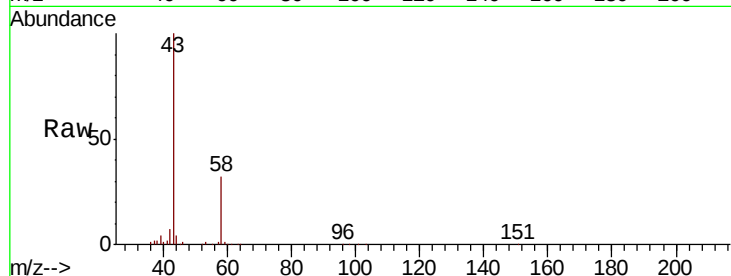
BFB601

Tot Ion: 43 Resp: 164335

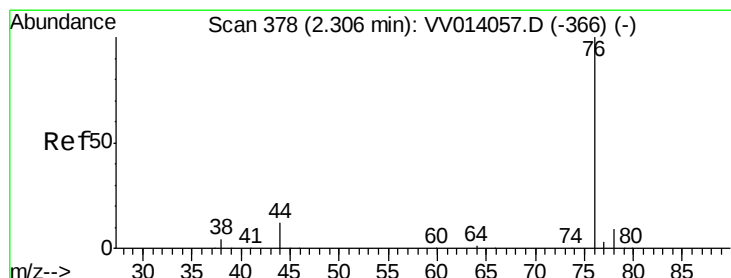
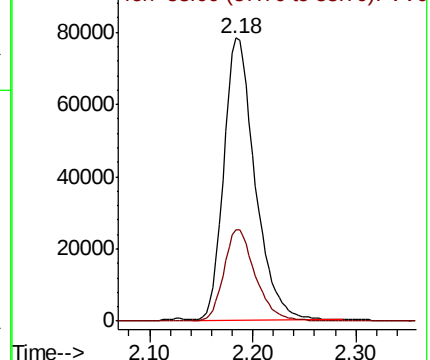
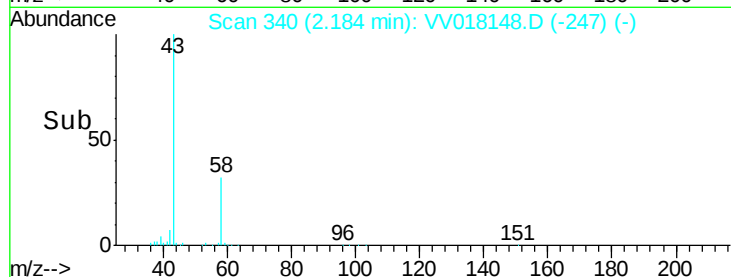
Ion Ratio Lower Upper

43 100

58 32.4 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV018148.D (-247) (-)



#14

Carbon disulfide

Concen: 67.840 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV018148.D

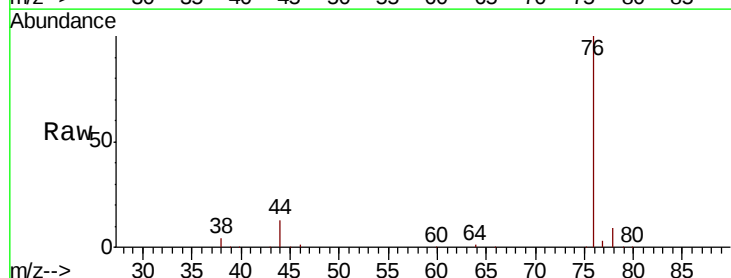
Acq: 03 Sep 2020 11:33

Tgt Ion: 76 Resp: 211566

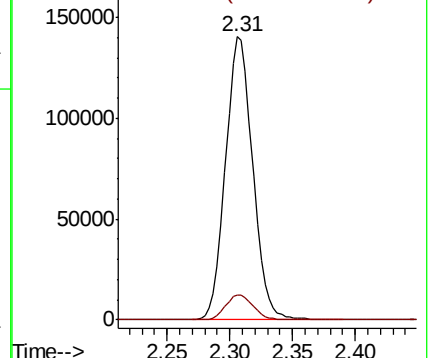
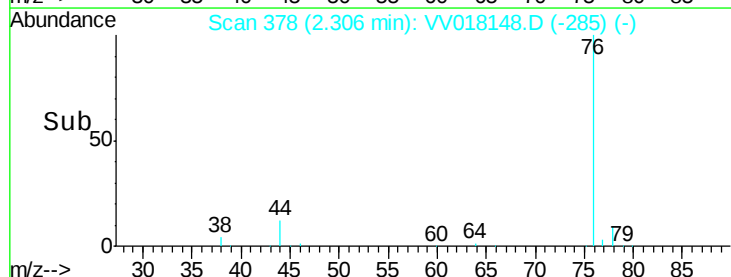
Ion Ratio Lower Upper

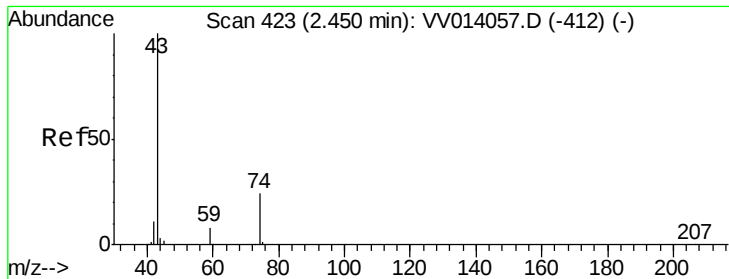
76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018148.D (-285) (-)

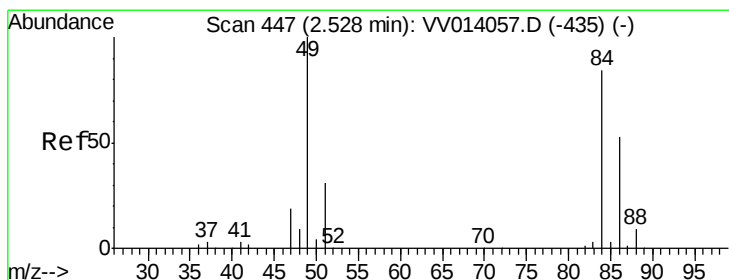
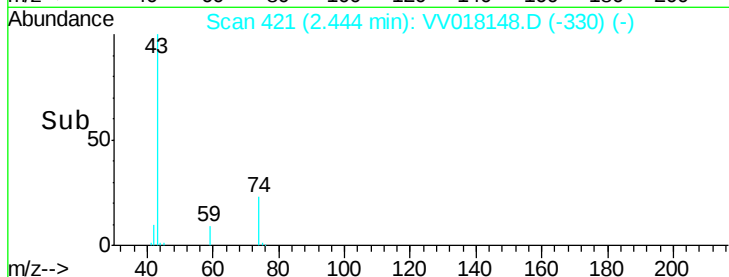
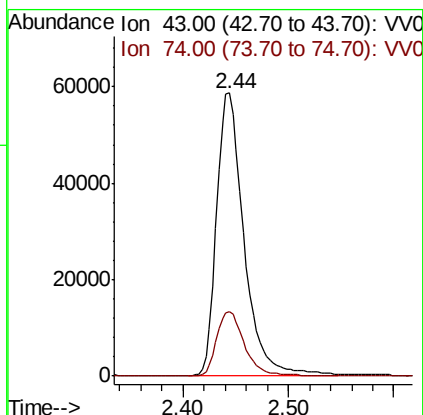
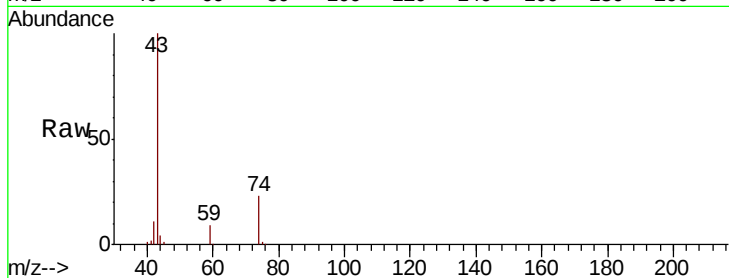




#15
Methvl Acetate
Concen: 87.259 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.01 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

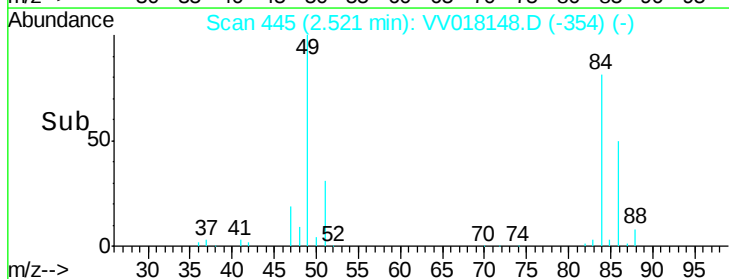
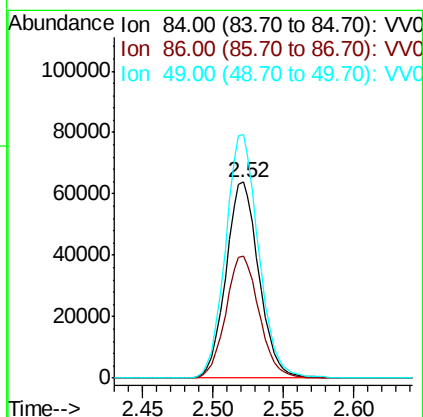
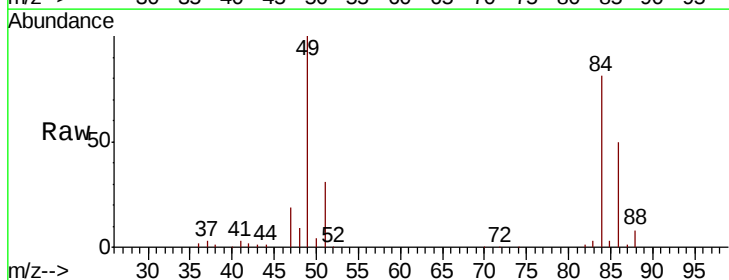
Instrument :
MSVOA_V
ClientSampleId :
BFB601

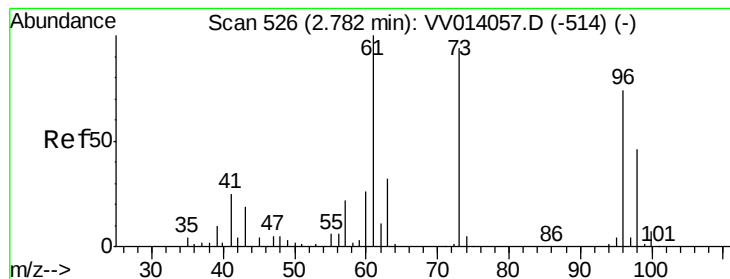
Tot Ion: 43 Resp: 105313
Ion Ratio Lower Upper
43 100
74 23.3 21.8 32.6



#16
Methylene chloride
Concen: 74.630 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.01 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Tgt Ion: 84 Resp: 104498
Ion Ratio Lower Upper
84 100
86 62.4 45.7 84.9
49 124.2 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 68.235 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.01 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

BFB601

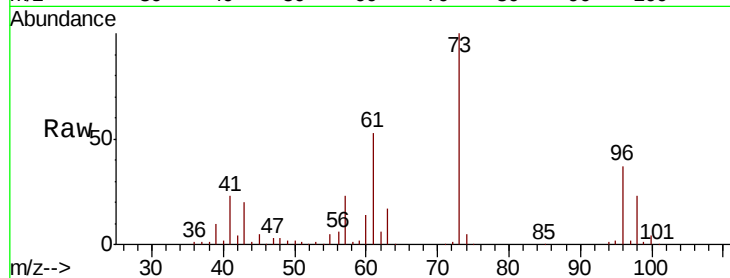
Tot Ion: 96 Resp: 88917

Ion Ratio Lower Upper

96 100

61 144.1 90.6 168.3

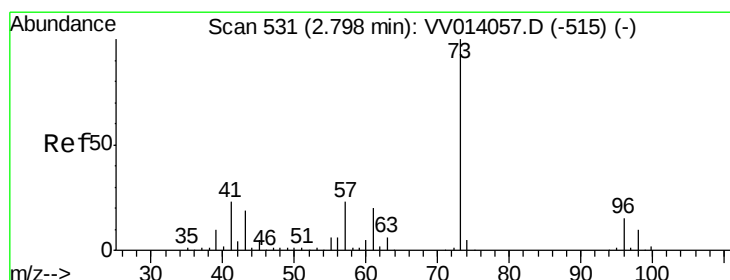
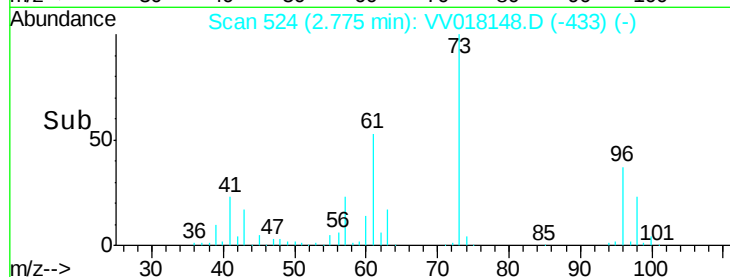
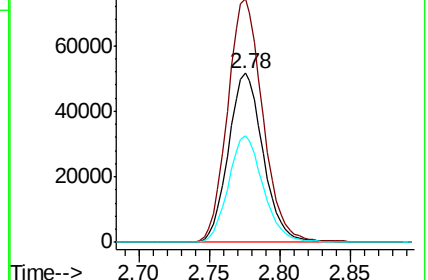
98 63.3 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV018148.D (-433) (-)

Ion 61.00 (60.70 to 61.70): VV018148.D (-433) (-)

Ion 98.00 (97.70 to 98.70): VV018148.D (-433) (-)



#18

Methyl tert-butyl Ether

Concen: 69.520 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

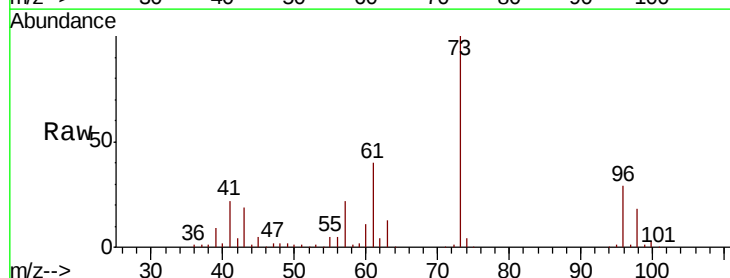
Tgt Ion: 73 Resp: 311284

Ion Ratio Lower Upper

73 100

43 19.6 15.6 23.4

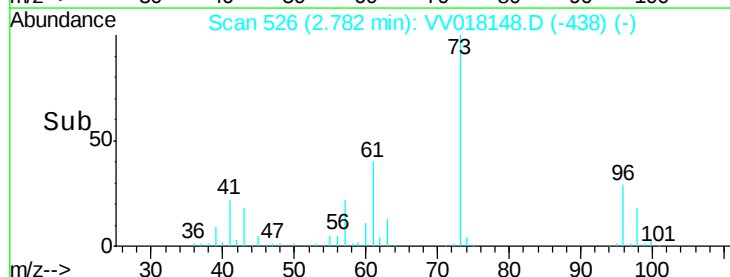
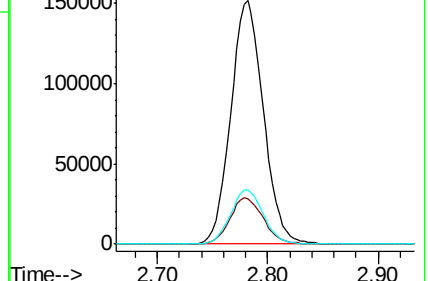
57 22.6 16.0 24.0

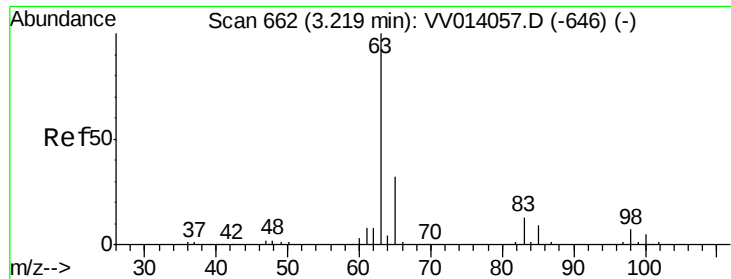


Abundance Ion 73.00 (72.70 to 73.70): VV018148.D (-438) (-)

Ion 43.00 (42.70 to 43.70): VV018148.D (-438) (-)

Ion 57.00 (56.70 to 57.70): VV018148.D (-438) (-)

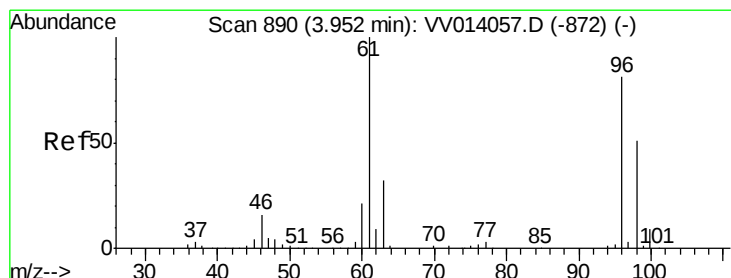
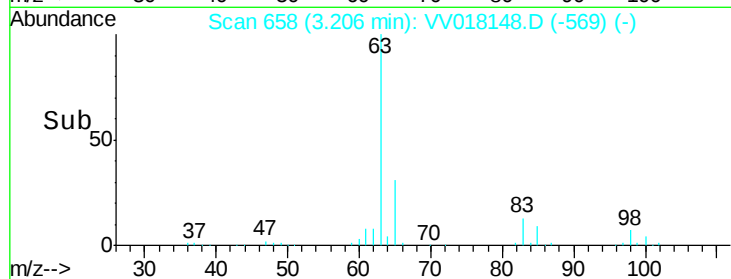
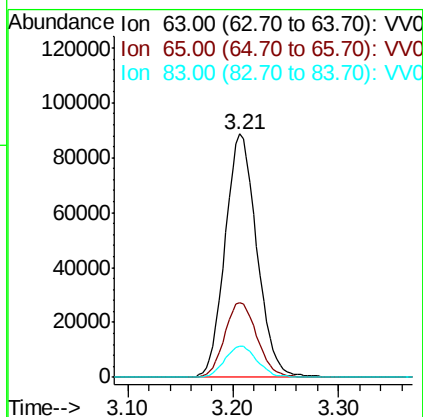
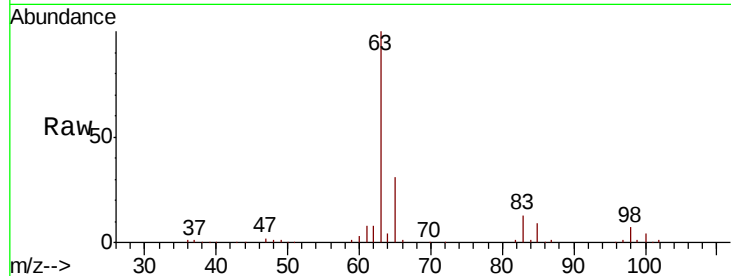




#19
 1,1-Dichloroethane
 Concen: 77.846 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

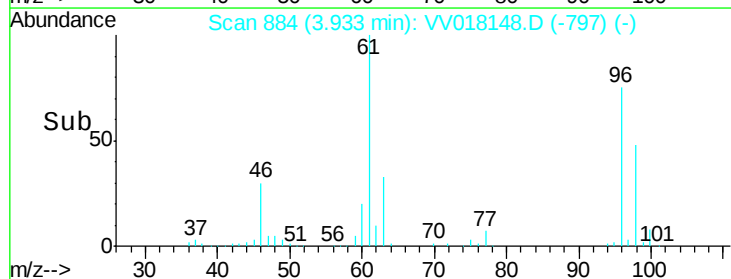
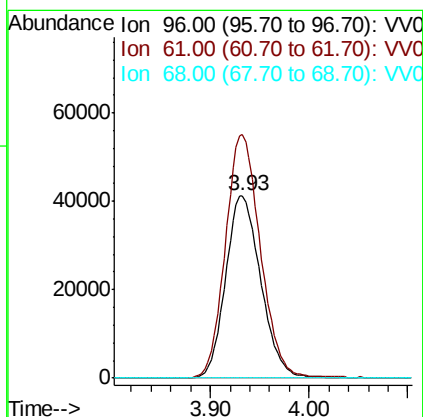
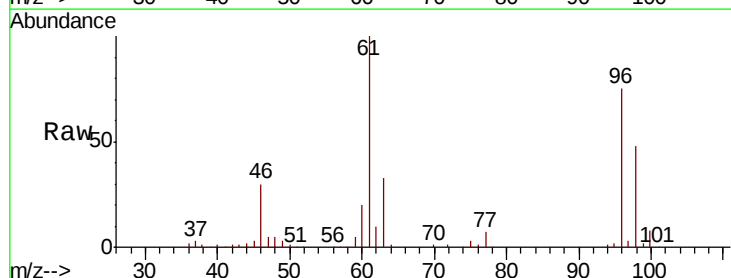
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB601

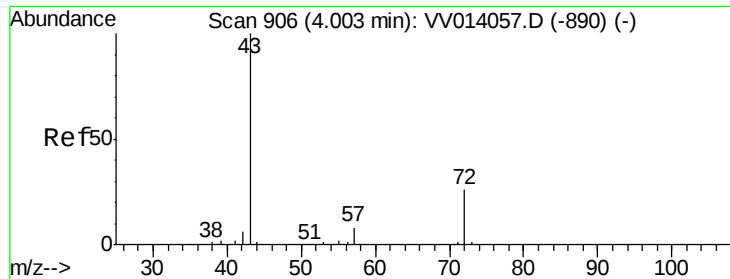
Tot Ion: 63 Resp: 184991
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.3 41.3
 83 12.9 10.3 19.1



#20
 cis-1,2-Dichloroethene
 Concen: 66.706 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Tgt Ion: 96 Resp: 102385
 Ion Ratio Lower Upper
 96 100
 61 133.2 80.0 148.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 194.400 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

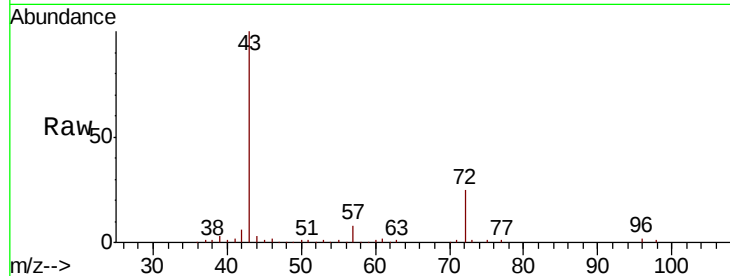
BFB601

Tot Ion: 43 Resp: 172812

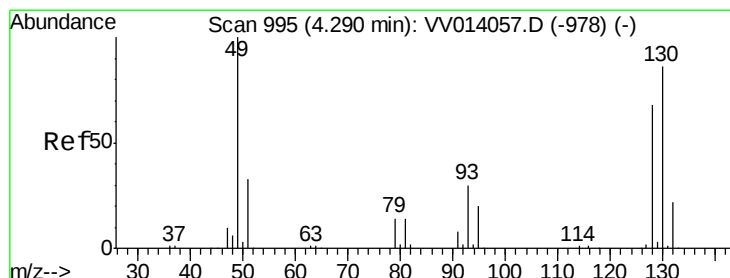
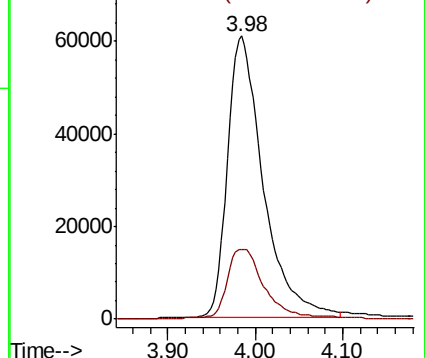
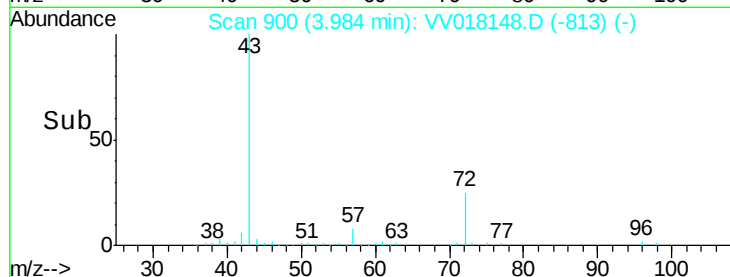
Ion Ratio Lower Upper

43 100

72 26.1 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV018148.D (-813) (-)



#23

Bromochloromethane

Concen: 63.300 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Tgt Ion: 128 Resp: 53425

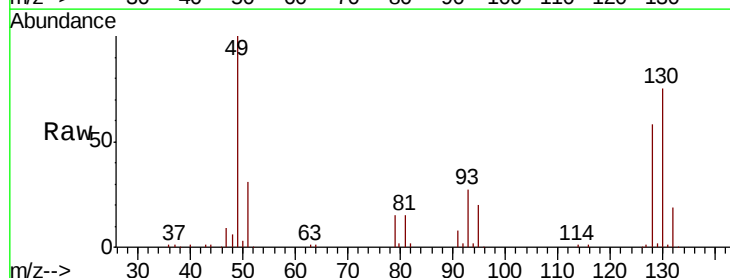
Ion Ratio Lower Upper

128 100

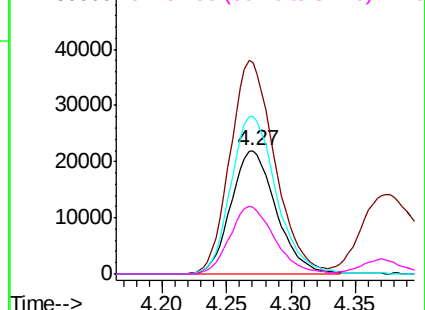
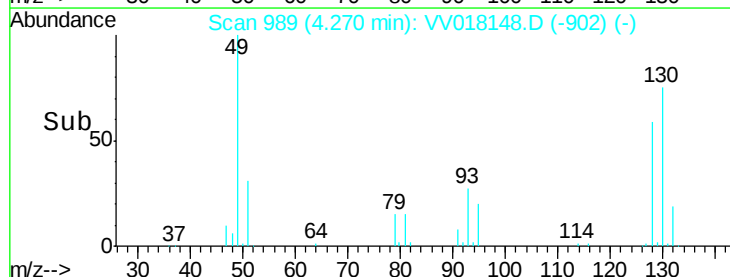
49 171.1 84.6 157.2#

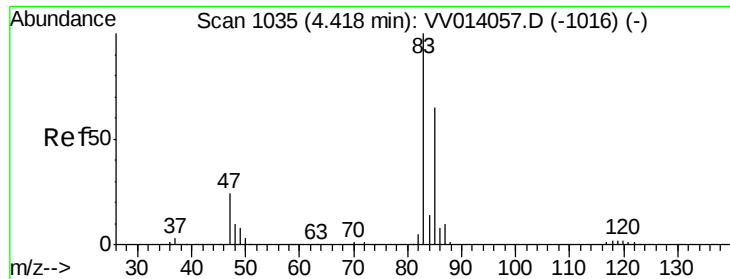
130 127.9 89.9 167.0

51 53.8 30.5 45.7#



Abundance Ion 128.00 (127.70 to 128.70): VV018148.D (-902) (-)

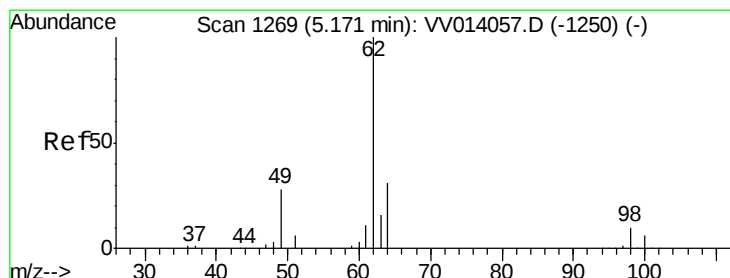
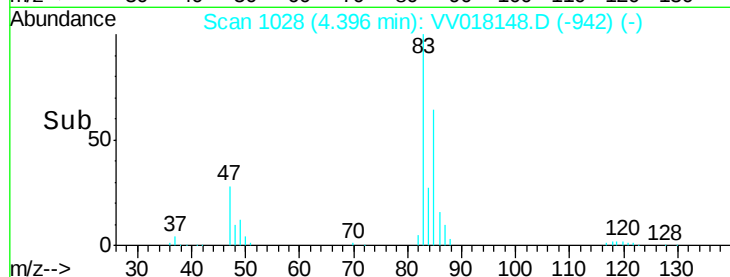
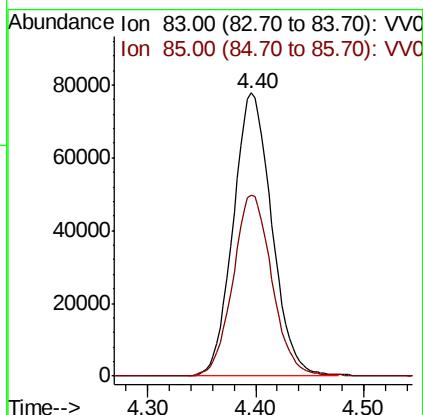
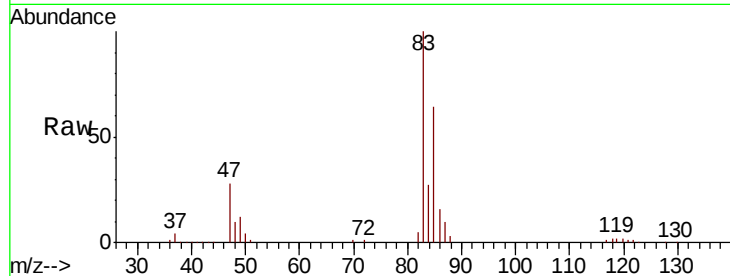




#25
Chloroform
Concen: 72.002 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

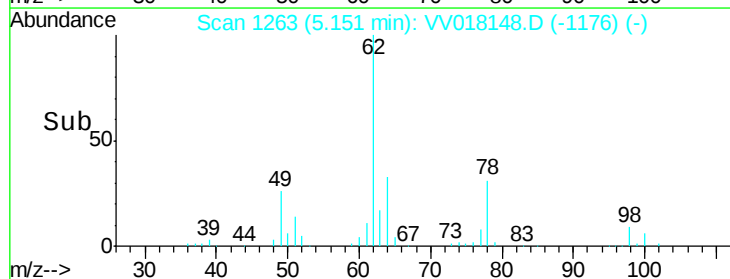
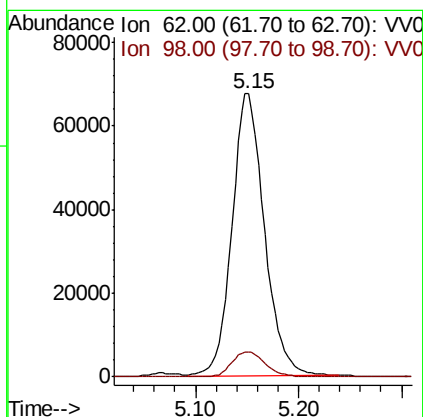
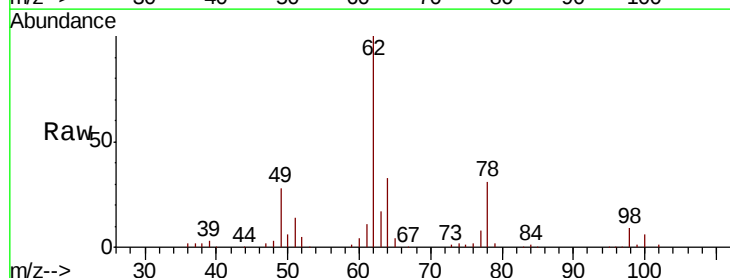
Instrument :
MSVOA_V
ClientSampleId :
BFB601

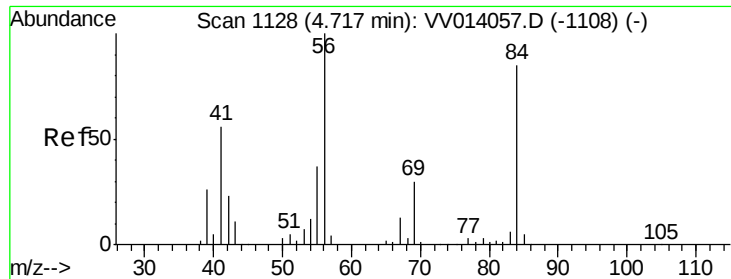
Tot Ion: 83 Resp: 193950
Ion Ratio Lower Upper
83 100
85 64.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 70.636 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Tgt Ion: 62 Resp: 147882
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3

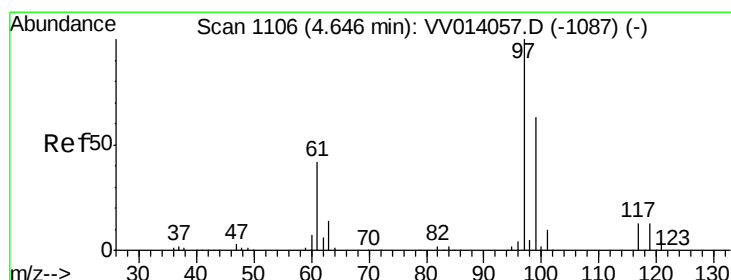
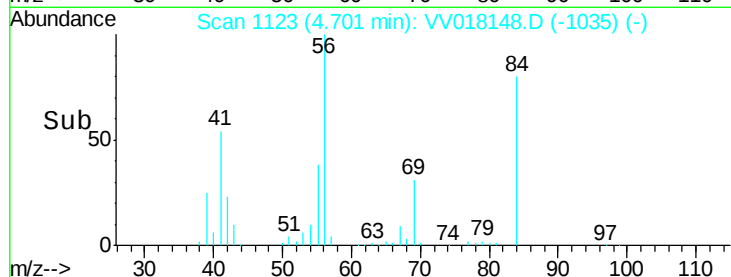
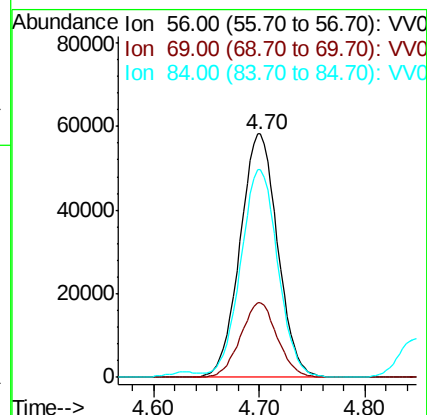
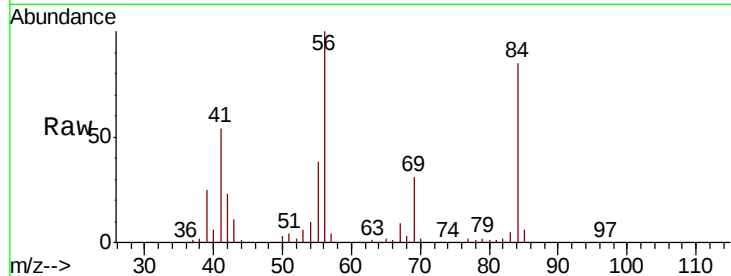




#29
Cvclohexane
Concen: 68.674 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

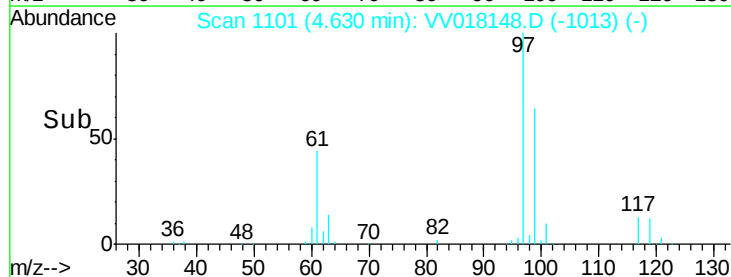
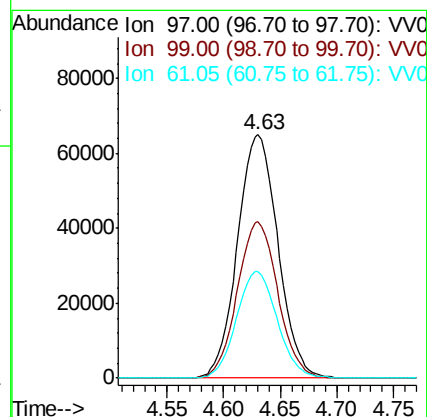
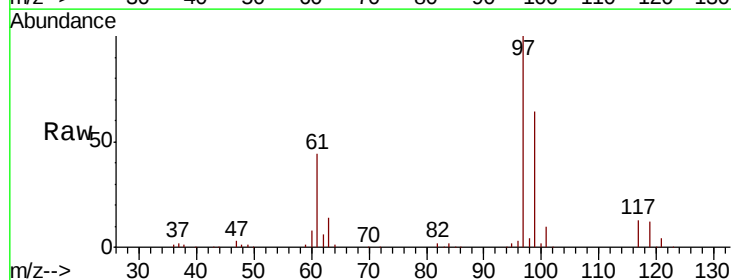
Instrument :
MSVOA_V
ClientSampleId :
BFB601

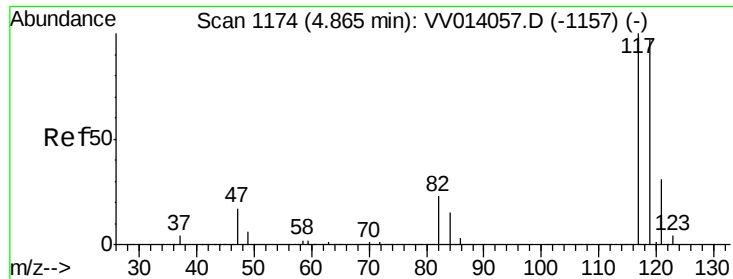
Tot Ion: 56 Resp: 144421
Ion Ratio Lower Upper
56 100
69 30.0 25.8 38.8
84 84.9 76.0 114.0



#30
1,1,1-Trichloroethane
Concen: 60.671 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Tgt Ion: 97 Resp: 162087
Ion Ratio Lower Upper
97 100
99 64.2 51.1 76.7
61 44.2 31.3 46.9





#31

Carbon tetrachloride

Concen: 56.584 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

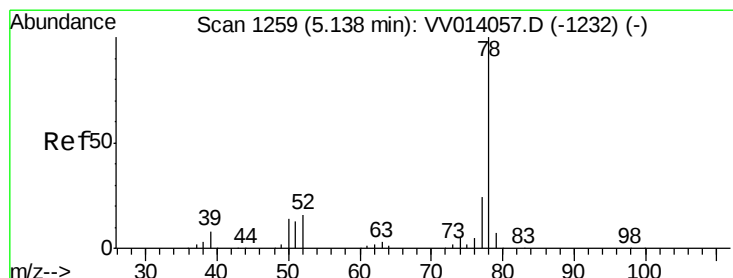
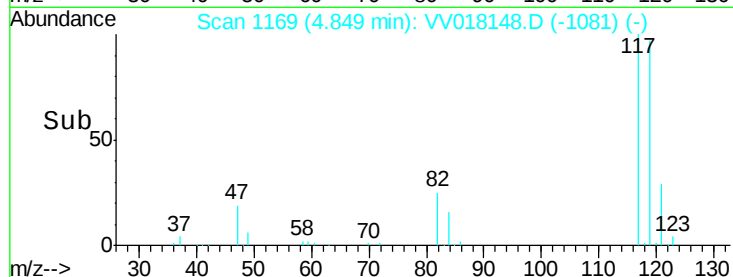
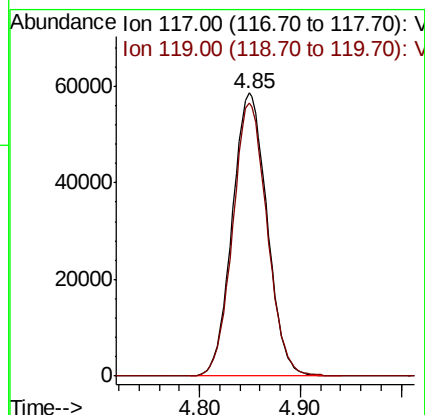
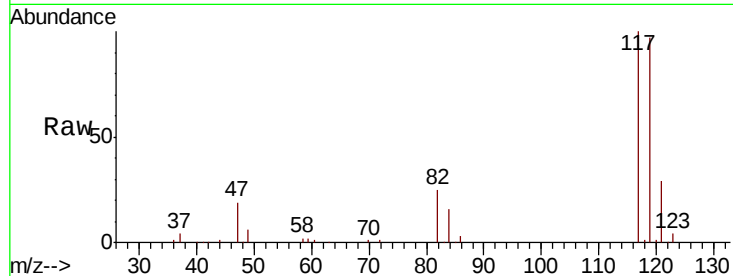
BFB601

Tot Ion:117 Resp: 140241

Ion Ratio Lower Upper

117 100

119 95.6 78.2 117.4



#33

Benzene

Concen: 68.124 ug/L

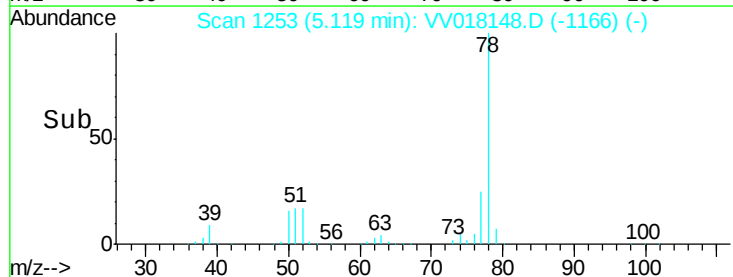
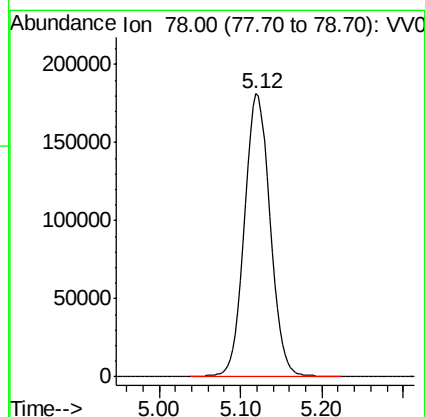
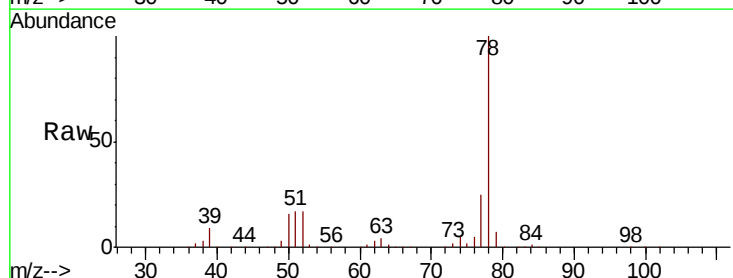
RT: 5.12 min Scan# 1253

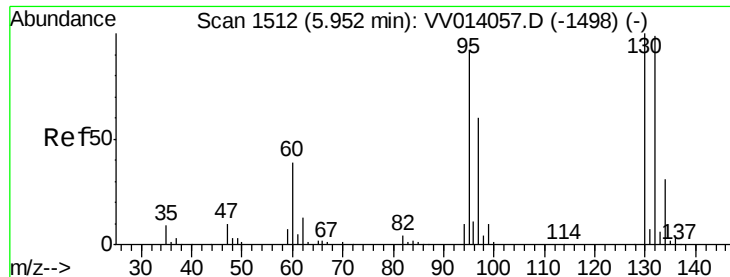
Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Tgt Ion: 78 Resp: 394394





#34

Trichloroethene

Concen: 64.696 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

BFB601

Tot Ion: 95 Resp: 104104

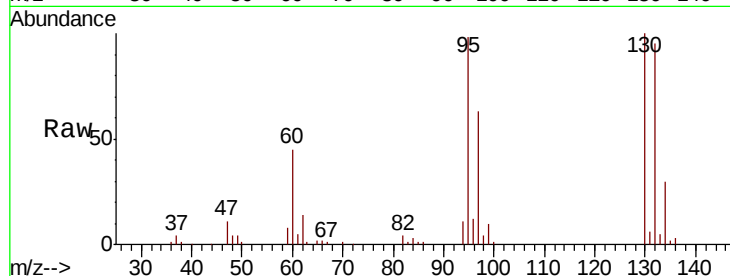
Ion Ratio Lower Upper

95 100

97 64.6 43.4 80.6

132 97.3 73.1 135.8

130 101.9 75.3 139.8



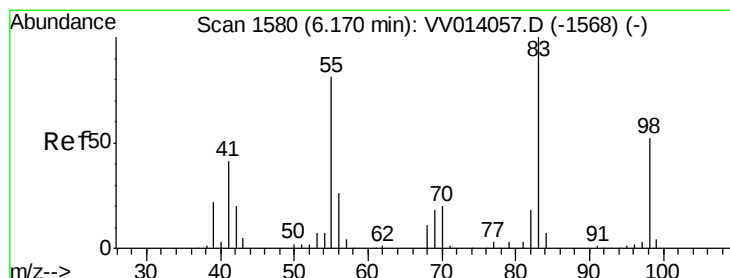
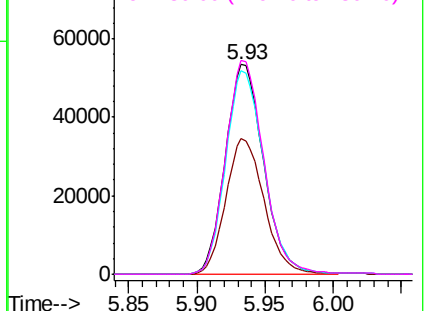
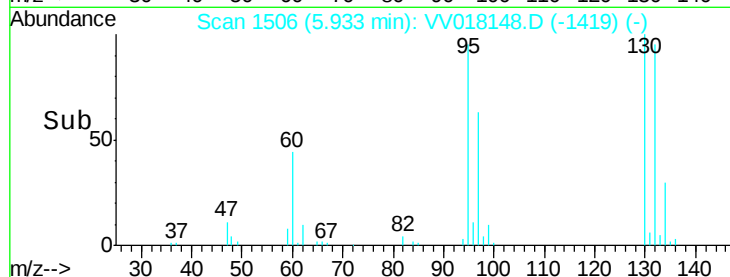
Abundance

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: 62.593 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

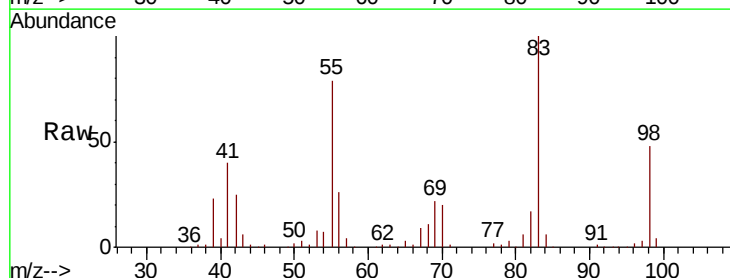
Tgt Ion: 83 Resp: 149913

Ion Ratio Lower Upper

83 100

55 79.9 55.5 83.3

98 47.4 38.5 57.7

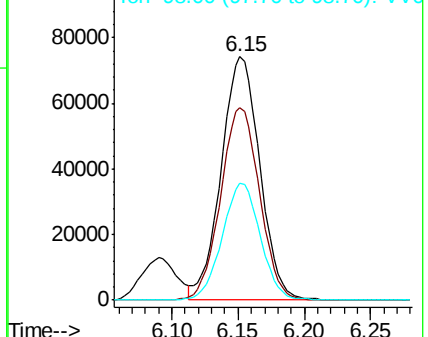
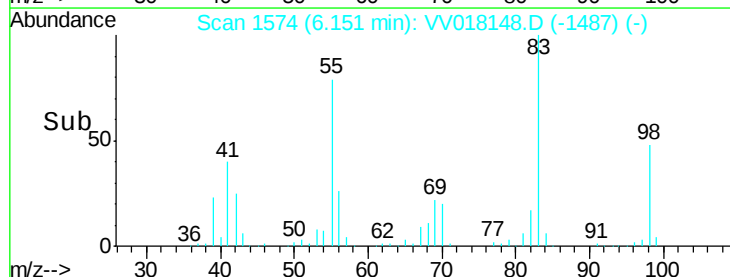


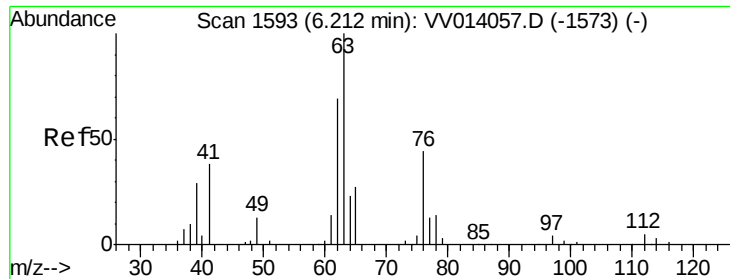
Abundance

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

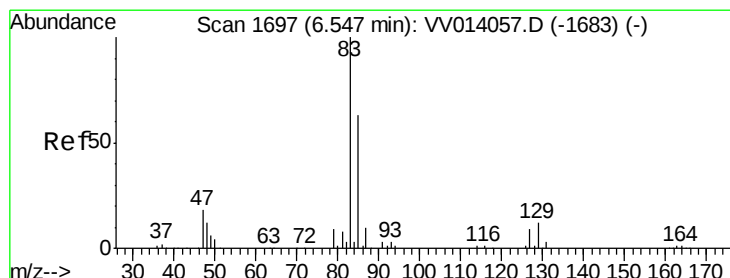
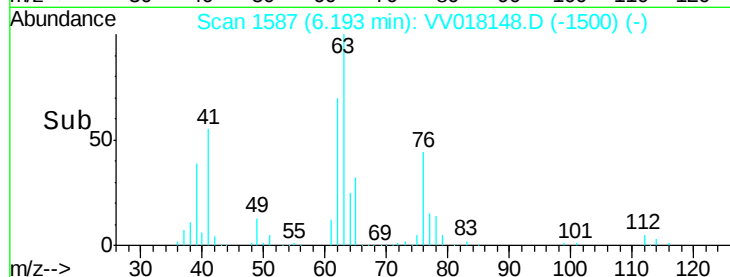
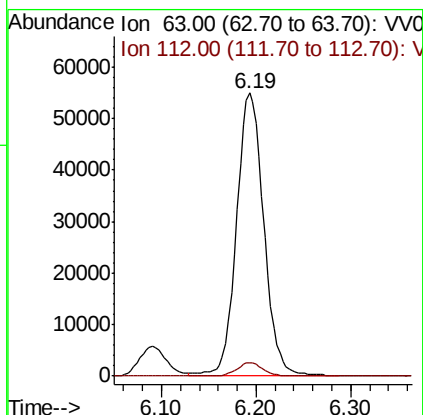
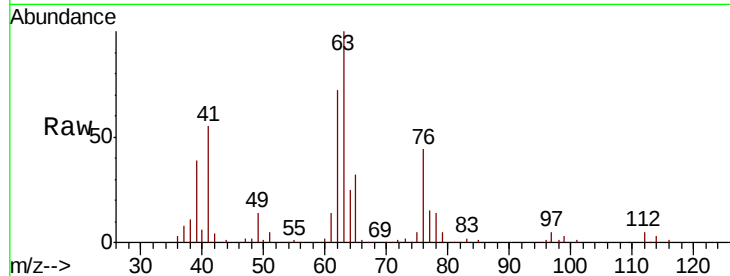




#37
 1,2-Dichloropropane
 Concen: 77.872 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

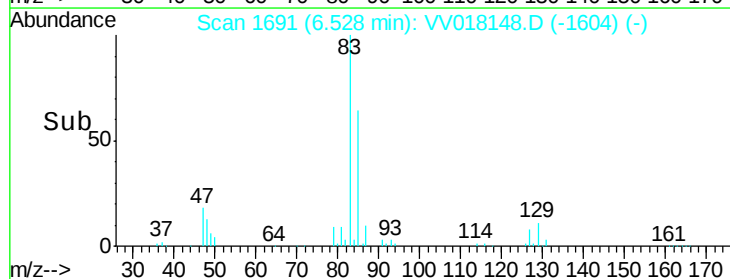
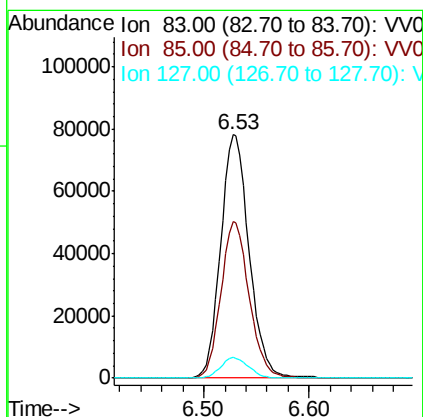
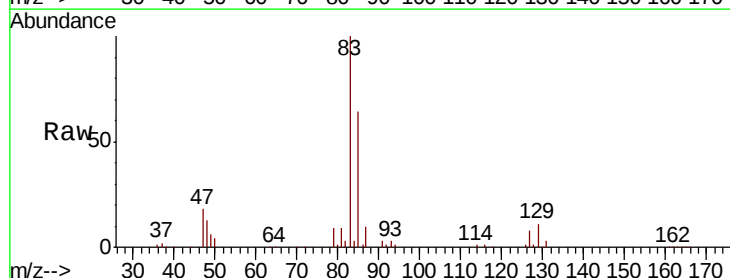
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB601

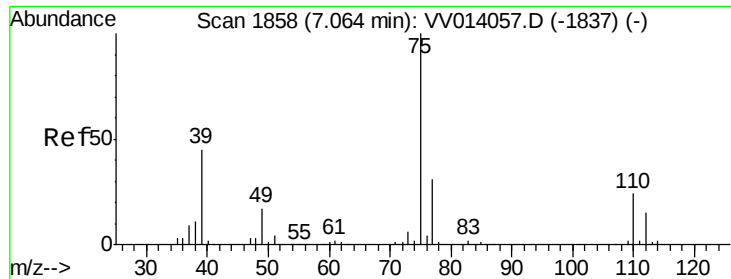
Tot Ion: 63 Resp: 109962
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.2 6.2



#38
 Bromodichloromethane
 Concen: 65.571 ug/L
 RT: 6.53 min Scan# 1691
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Tgt Ion: 83 Resp: 145662
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.0 83.6
 127 8.4 7.9 11.9

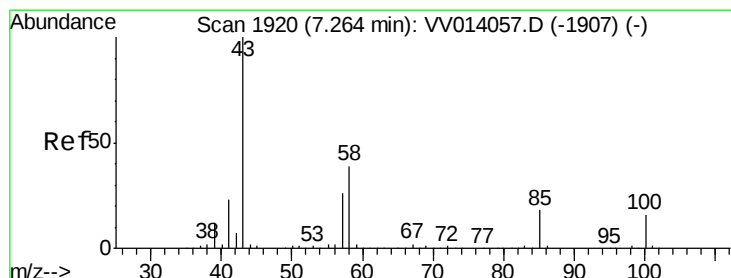
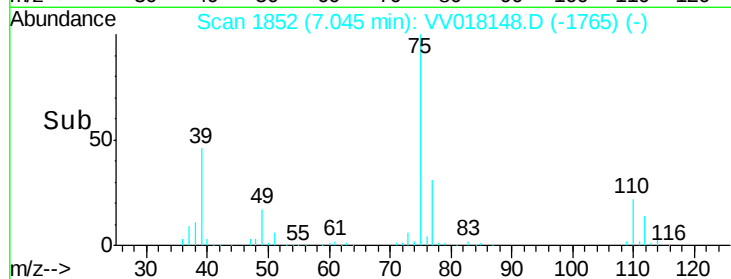
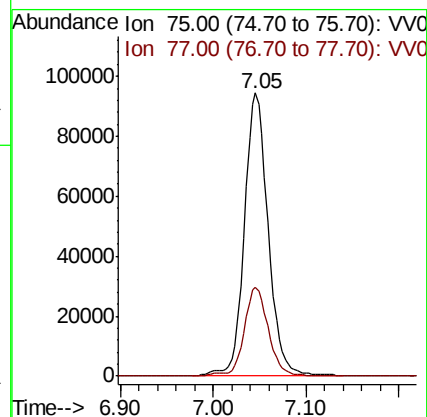
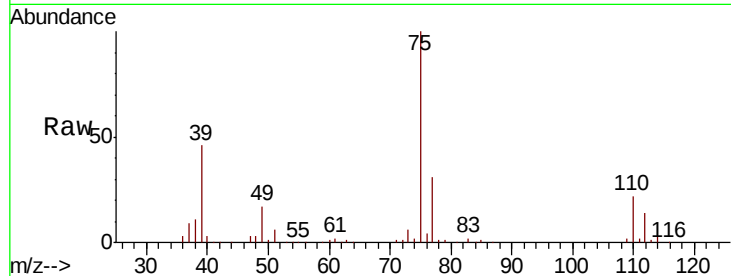




#39
 cis-1,3-Dichloropropene
 Concen: 67.761 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

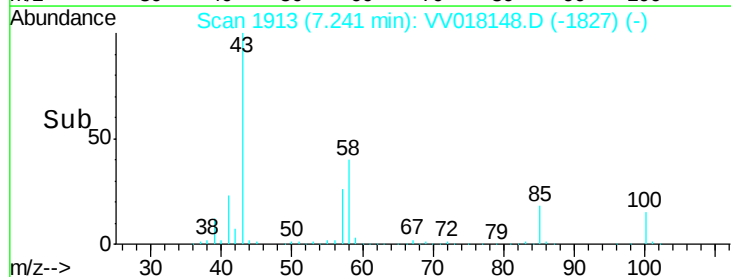
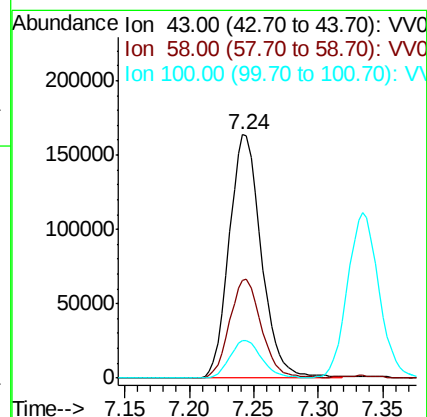
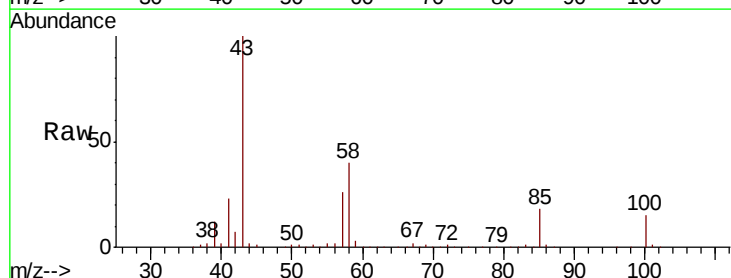
Instrument :
 MSVOA_V
 ClientSampled :
 BFB601

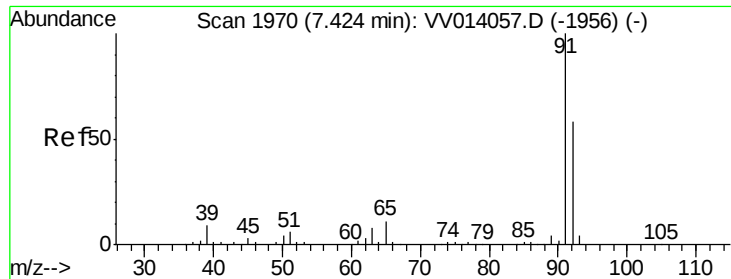
Tot Ion: 75 Resp: 168696
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 156.504 ug/L
 RT: 7.24 min Scan# 1913
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Tgt Ion: 43 Resp: 284433
 Ion Ratio Lower Upper
 43 100
 58 40.2 33.4 50.2
 100 15.4 15.0 22.4





#42

Toluene

Concen: 66.110 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

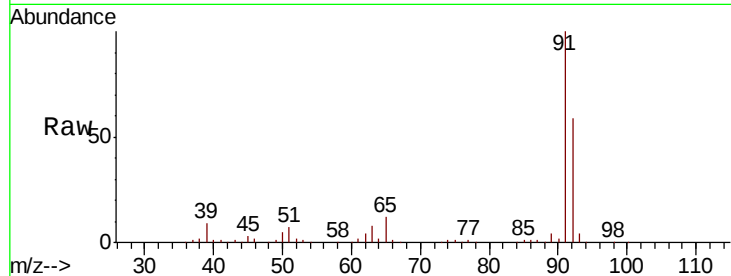
BFB601

Tot Ion: 91 Resp: 425272

Ion Ratio Lower Upper

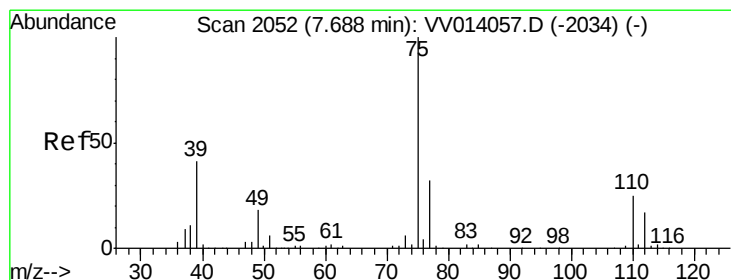
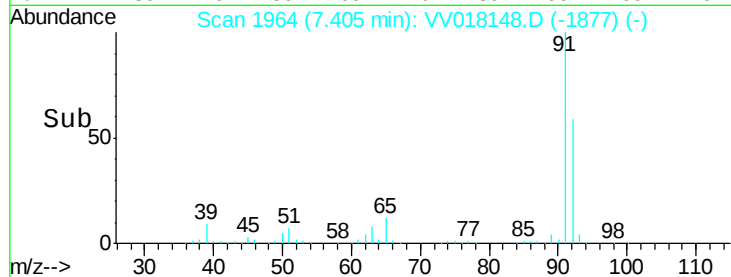
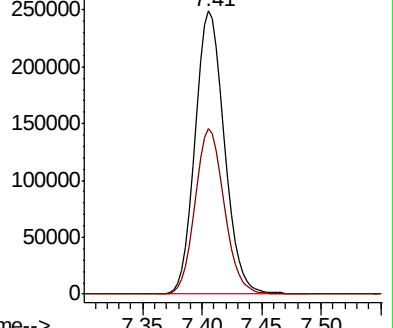
91 100

92 58.6 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV018148.D (-1964) (-)

Ion 92.00 (91.70 to 92.70): VV018148.D (-1964) (-)



#44

trans-1,3-Dichloropropene

Concen: 71.590 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV018148.D

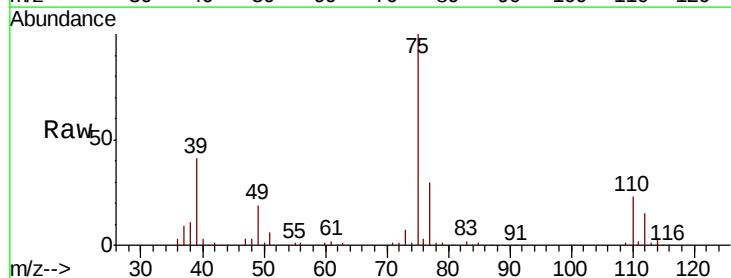
Acq: 03 Sep 2020 11:33

Tgt Ion: 75 Resp: 168243

Ion Ratio Lower Upper

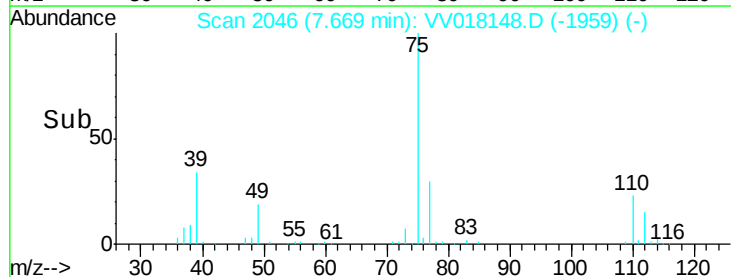
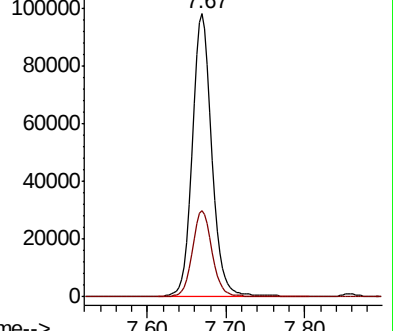
75 100

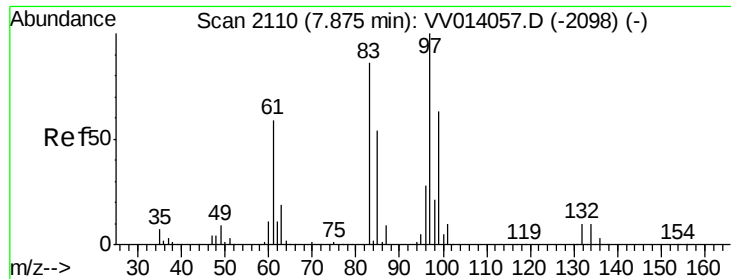
77 30.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV018148.D (-2046) (-)

Ion 77.00 (76.70 to 77.70): VV018148.D (-2046) (-)

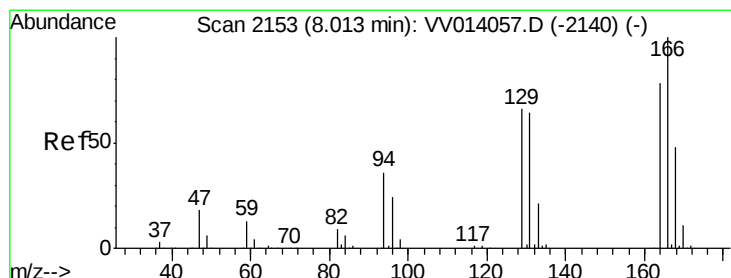
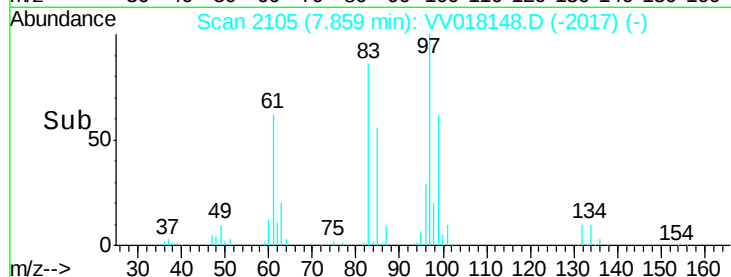
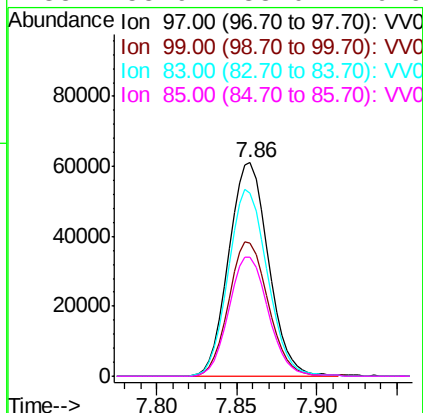
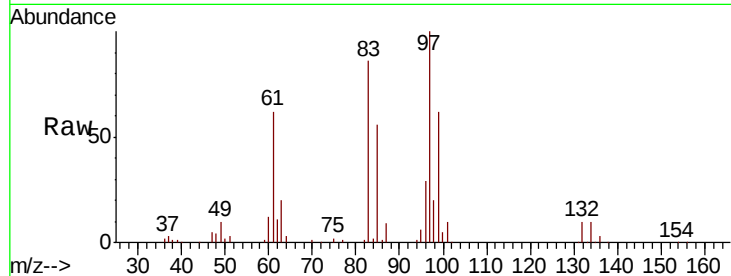




#45
 1,1,2-Trichloroethane
 Concen: 68.060 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

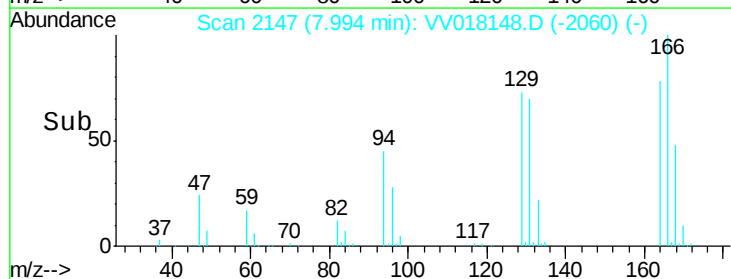
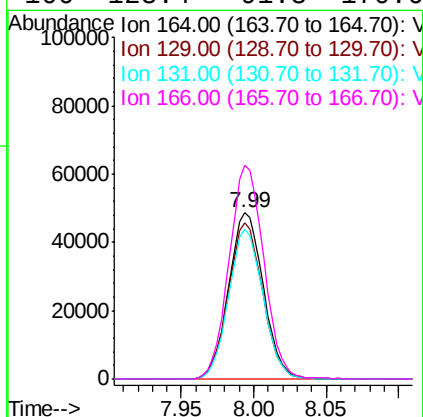
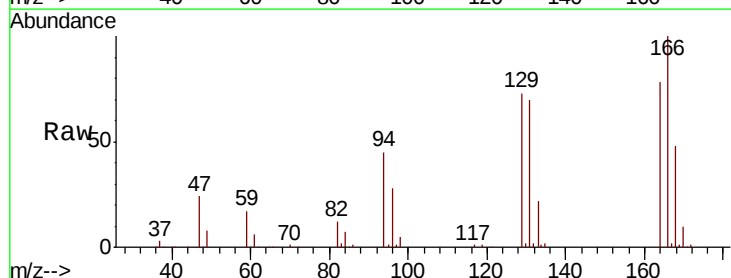
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB601

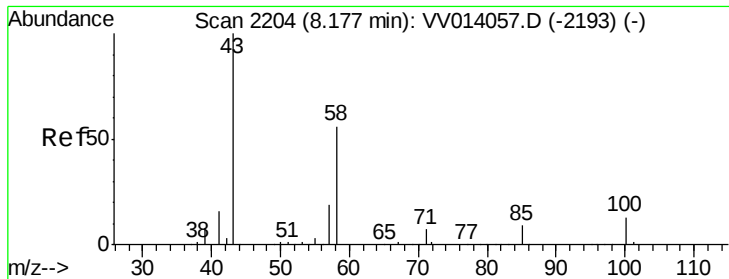
Tot Ion:	97	Resp:	103599
Ion	Ratio	Lower	Upper
97	100		
99	62.3	47.2	87.6
83	86.0	58.0	107.6
85	55.9	38.0	70.6



#46
 Tetrachloroethene
 Concen: 53.851 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Tgt Ion:	164	Resp:	80737
Ion	Ratio	Lower	Upper
164	100		
129	93.8	64.3	119.5
131	89.9	60.1	111.7
166	128.4	91.8	170.6

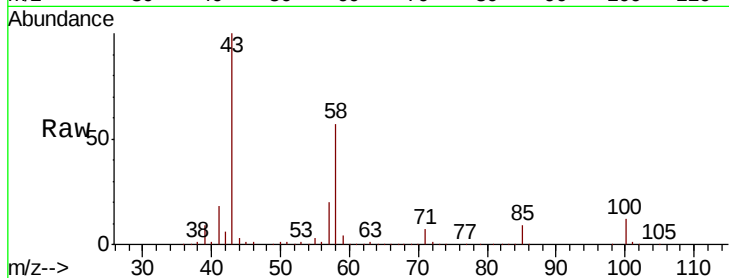




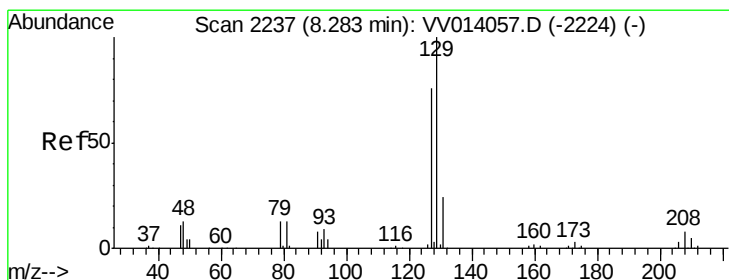
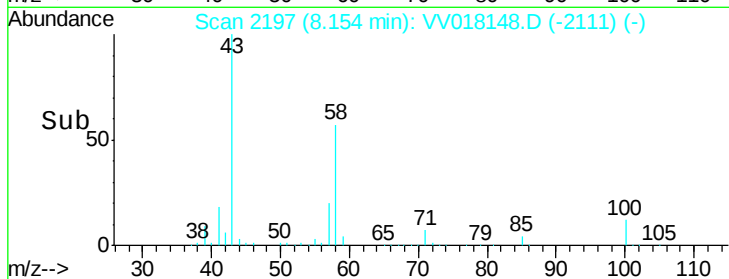
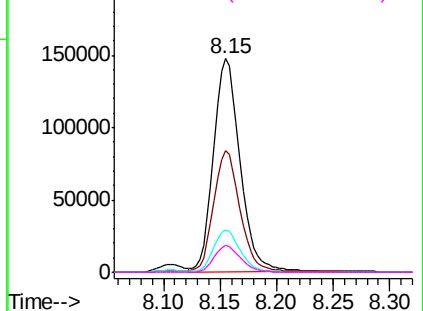
#48
2-Hexanone
Concen: 175.669 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Instrument :
MSVOA_V
ClientSampleId :
BFB601

Tot Ion:	43	Resp:	240699
Ion	Ratio	Lower	Upper
43	100		
58	55.9	45.6	68.4
57	19.5	17.0	25.6
100	12.6	11.5	17.3

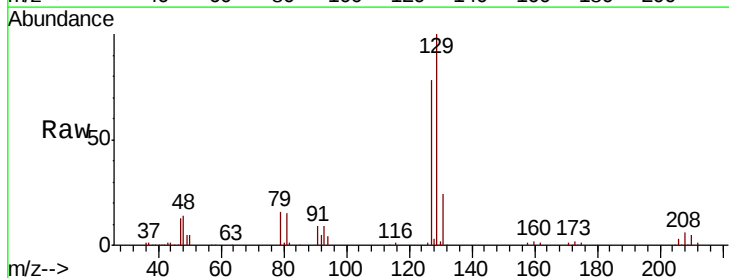


Abundance Ion 43.00 (42.70 to 43.70): VV018148.D (-2197) (-)

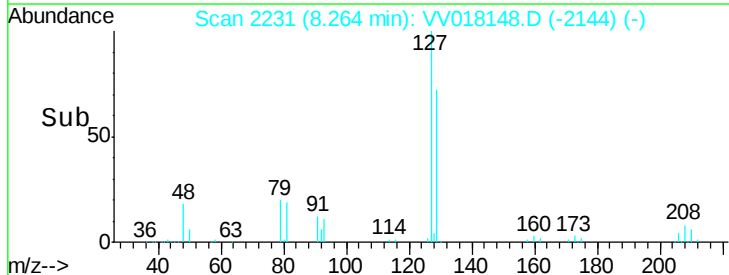
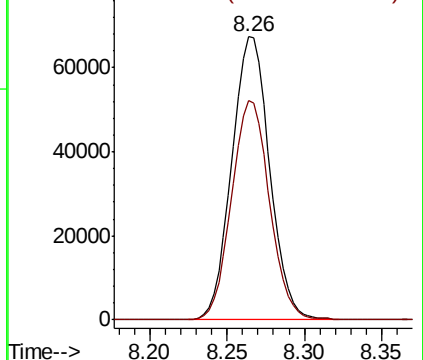


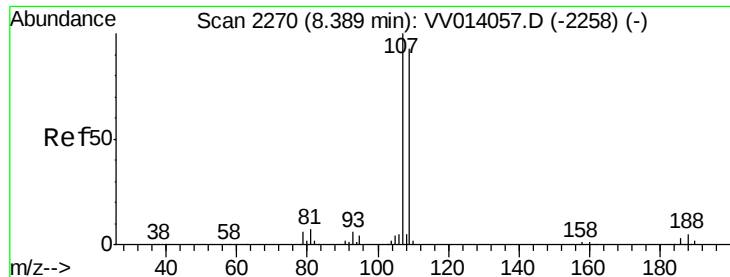
#49
Dibromochloromethane
Concen: 58.094 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Tgt Ion:	129	Resp:	114751
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.8	100.0



Abundance Ion 129.00 (128.70 to 129.70): VV018148.D (-2231) (-)

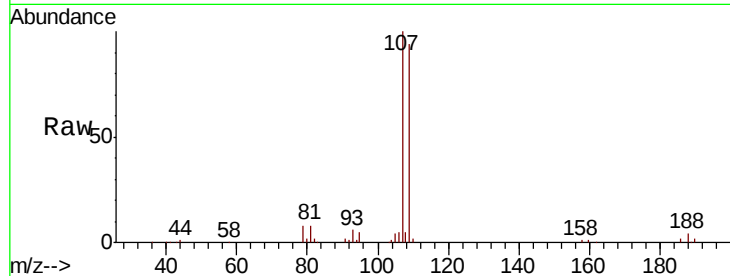




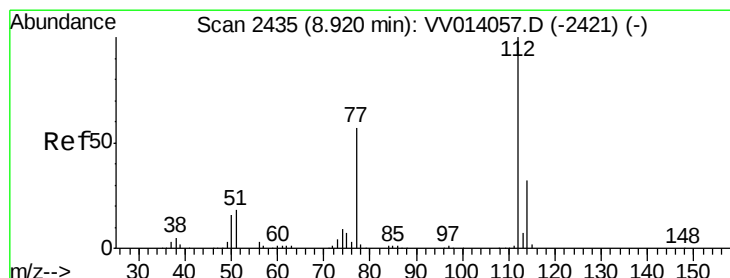
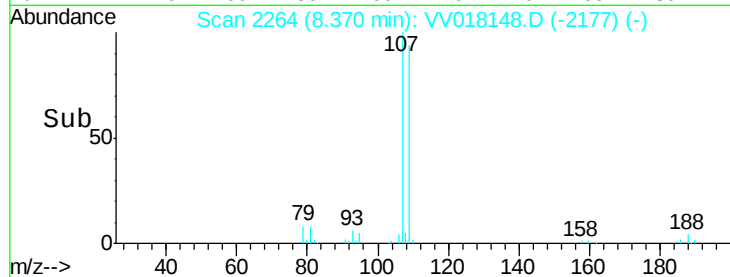
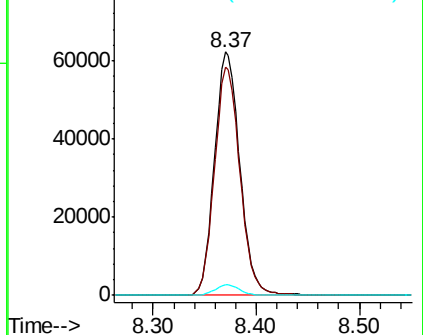
#50
1,2-Dibromoethane
Concen: 63.266 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Instrument :
MSVOA_V
ClientSampleId :
BFB601

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	67.0	124.4
188	4.3	3.9	5.9

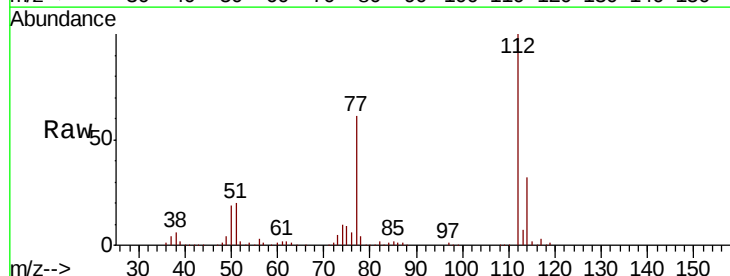


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

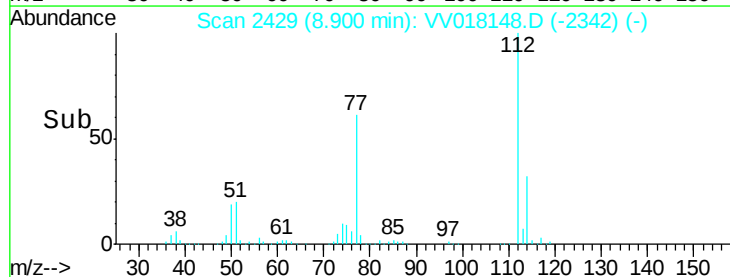
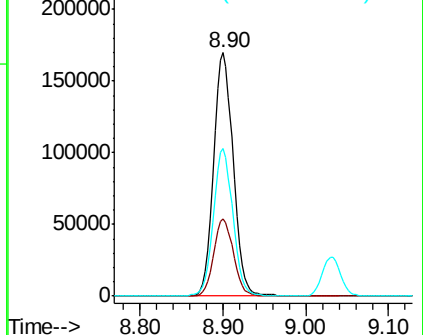


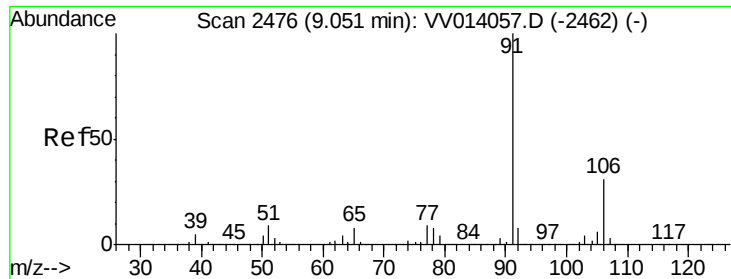
#51
Chlorobenzene
Concen: 64.317 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.8	42.4
77	60.7	44.7	67.1



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





#52

Ethylbenzene

Concen: 65.503 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

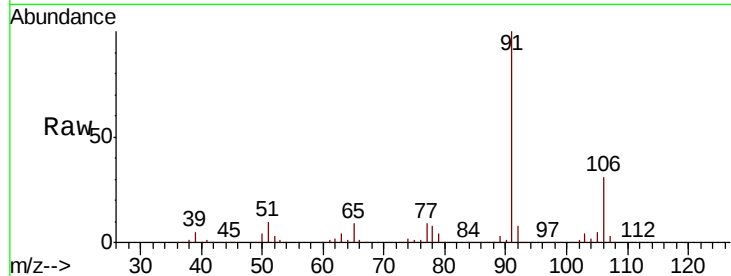
BFB601

Tot Ion: 91 Resp: 472799

Ion Ratio Lower Upper

91 100

106 30.7 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV018148.D (-2383) (-)

Ion 106.00 (105.70 to 106.70): VV018148.D (-2383) (-)

9.03

300000

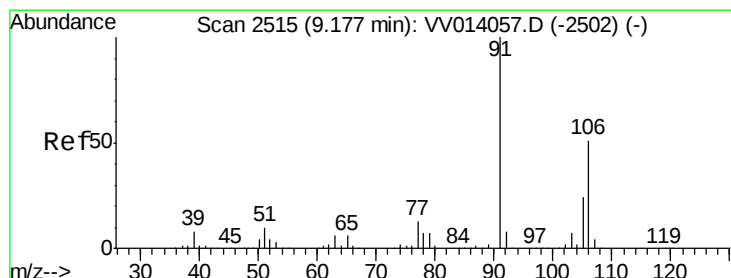
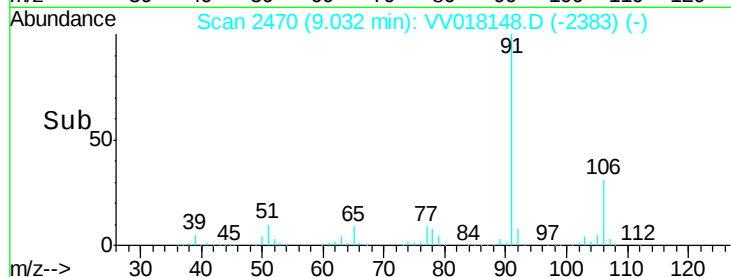
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 64.135 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.02 min

Lab File: VV018148.D

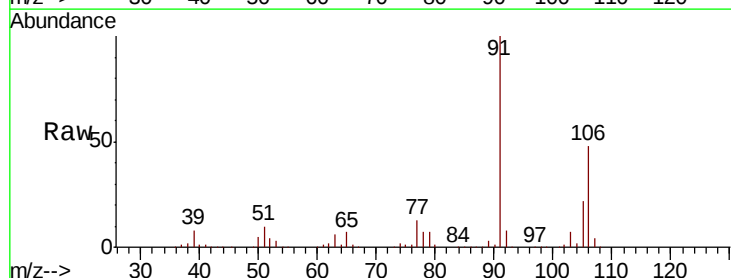
Acq: 03 Sep 2020 11:33

Tgt Ion: 106 Resp: 178581

Ion Ratio Lower Upper

106 100

91 208.8 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018148.D (-2422) (-)

Ion 91.00 (90.70 to 91.70): VV018148.D (-2422) (-)

9.16

250000

200000

150000

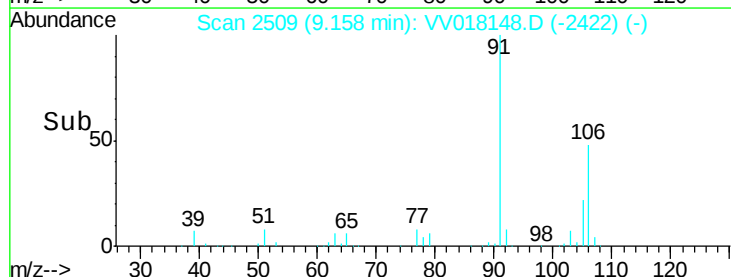
100000

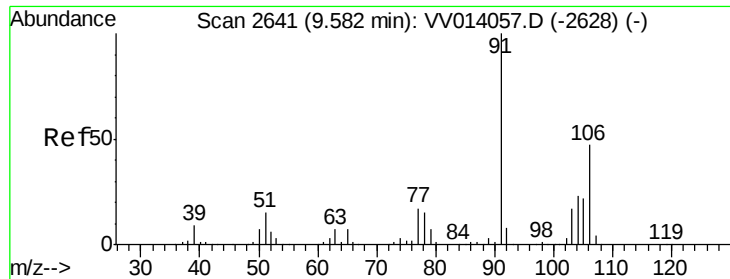
50000

0

9.05 9.10 9.15 9.20 9.25

Time-->

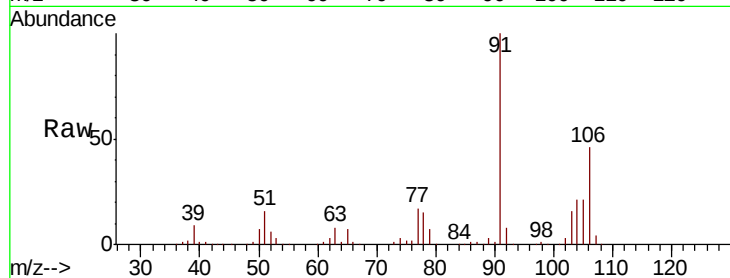




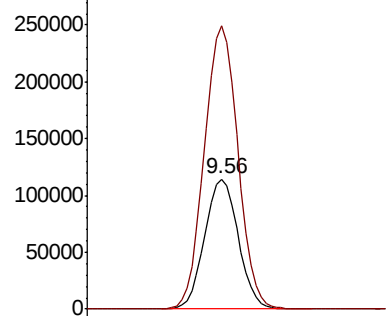
#54
o-Xylene
Concen: 62.336 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Instrument :
MSVOA_V
ClientSampleId :
BFB601

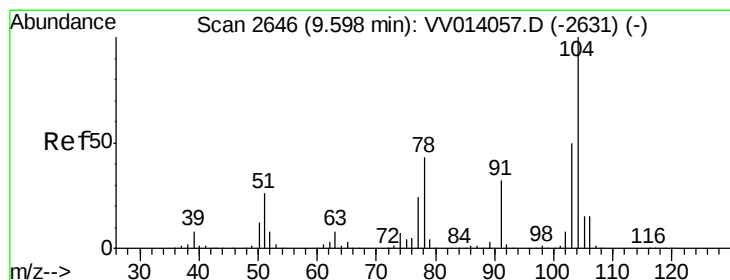
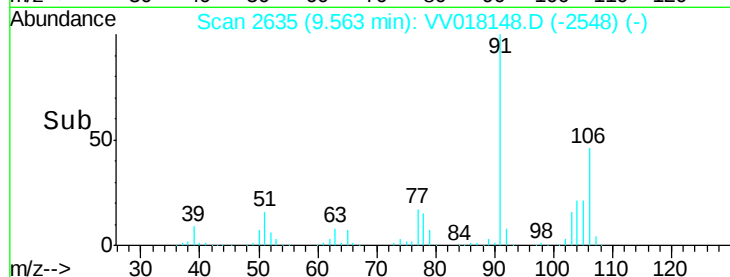
Tot Ion:106 Resp: 172237
Ion Ratio Lower Upper
106 100
91 217.4 150.4 279.2



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

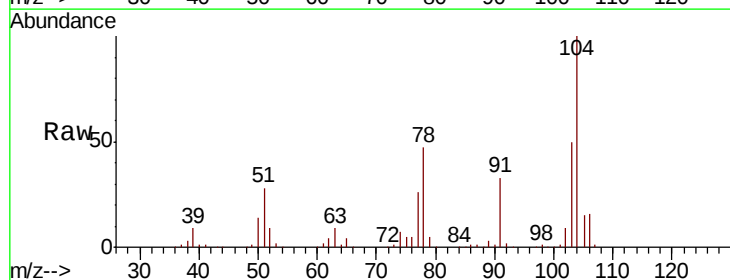


Time-->

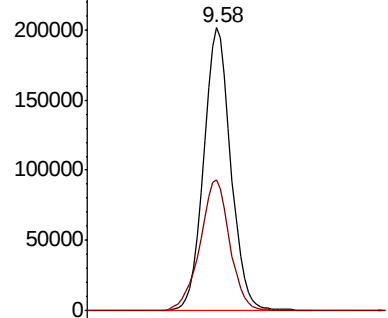


#55
Styrene
Concen: 67.112 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

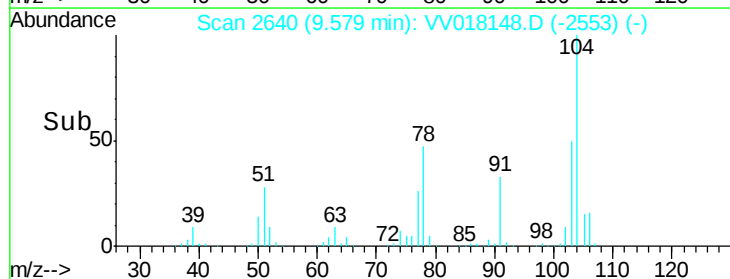
Tgt Ion:104 Resp: 312373
Ion Ratio Lower Upper
104 100
78 46.5 32.0 59.4

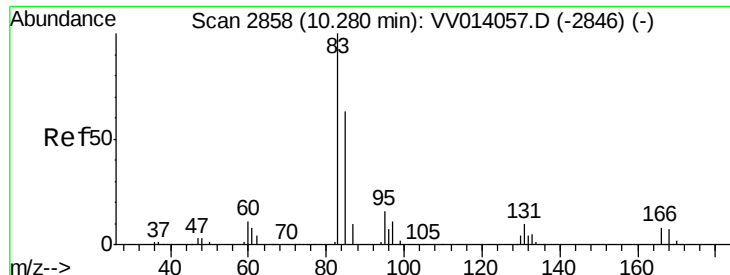


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time-->





#57

1,1,2,2-Tetrachloroethane

Concen: 68.037 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

BFB601

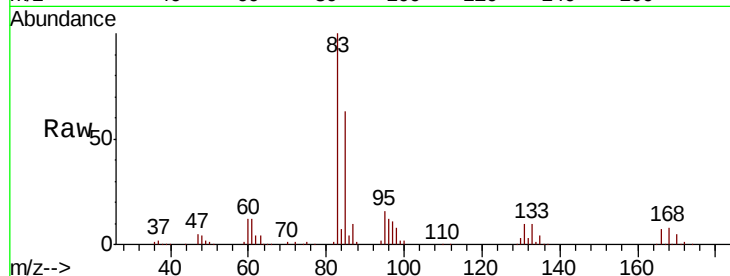
Tot Ion: 83 Resp: 159260

Ion Ratio Lower Upper

83 100

85 62.9 44.6 82.8

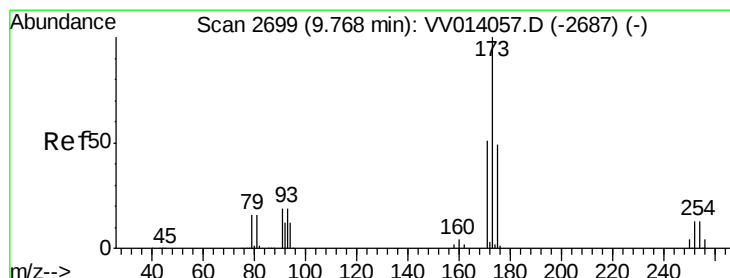
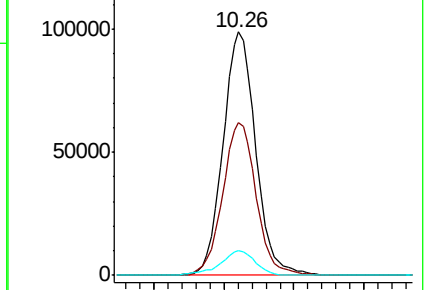
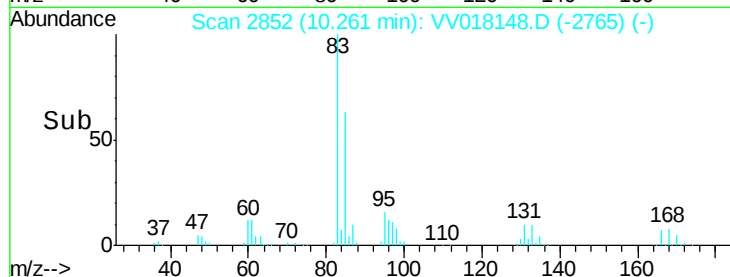
131 10.0 9.3 13.9



Abundance Ion 83.00 (82.70 to 83.70): VV018148.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV018148.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV018148.D (-2765) (-)



#59

Bromoform

Concen: 52.123 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

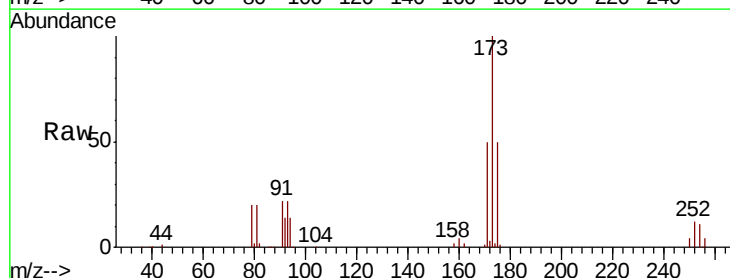
Tgt Ion: 173 Resp: 85322

Ion Ratio Lower Upper

173 100

175 49.2 38.3 57.5

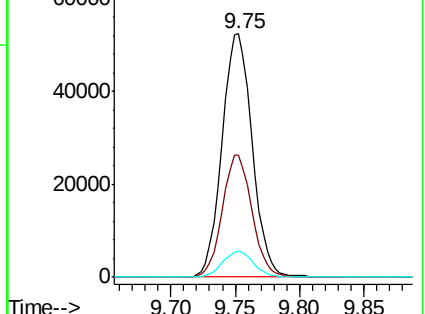
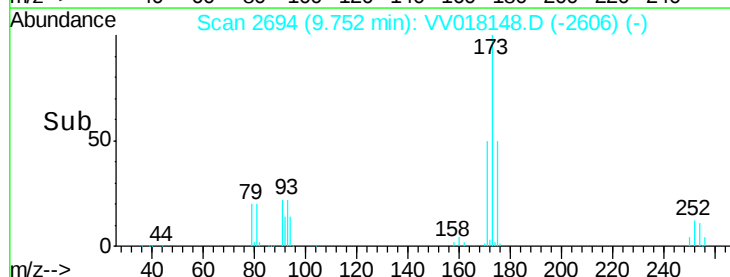
254 10.8 8.9 13.3

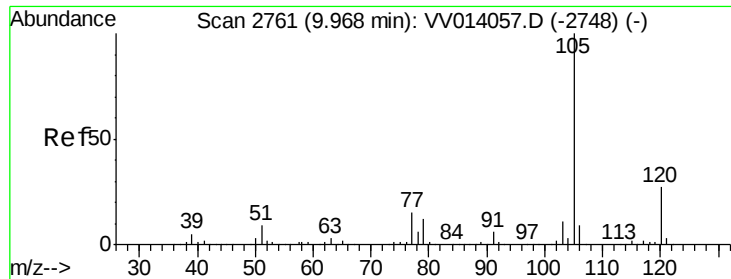


Abundance Ion 173.00 (172.70 to 173.70): VV018148.D (-2606) (-)

Ion 175.00 (174.70 to 175.70): VV018148.D (-2606) (-)

Ion 254.00 (253.70 to 254.70): VV018148.D (-2606) (-)





#60

Isopropylbenzene

Concen: 61.236 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

Instrument :

MSVOA_V

ClientSampleId :

BFB601

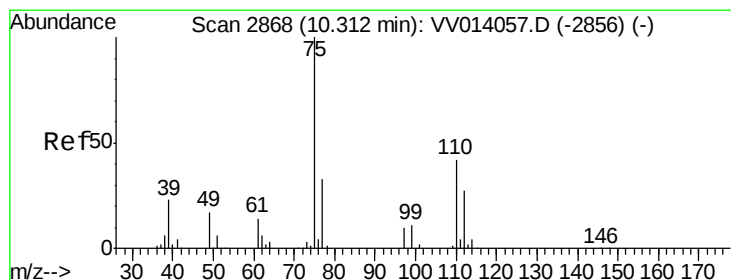
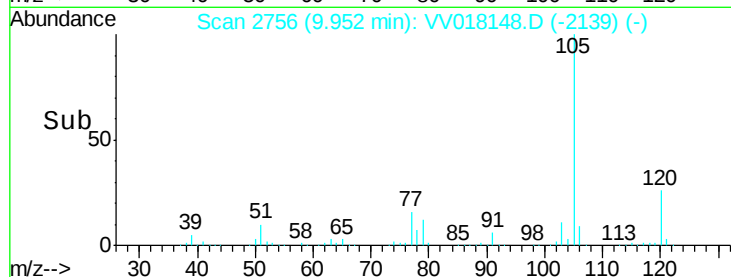
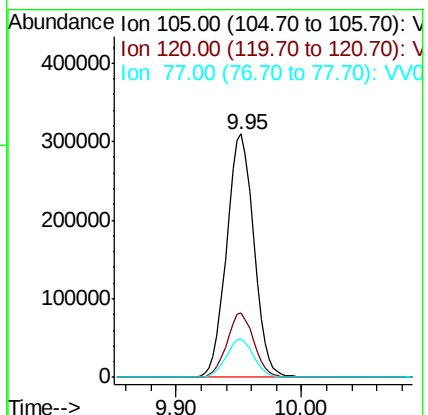
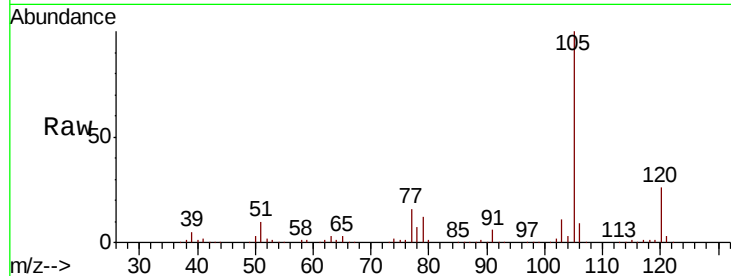
Tot Ion:105 Resp: 467803

Ion Ratio Lower Upper

105 100

120 26.1 21.4 32.0

77 15.9 11.6 17.4



#61

1,2,3-Trichloropropane

Concen: 70.037 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.02 min

Lab File: VV018148.D

Acq: 03 Sep 2020 11:33

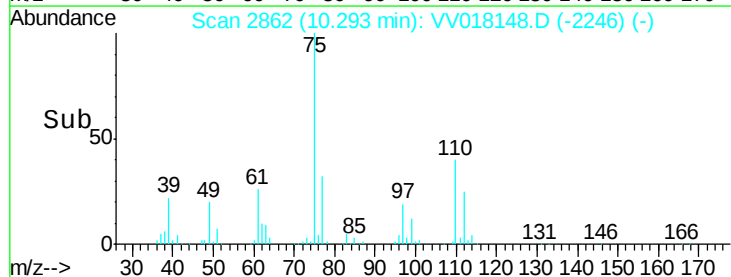
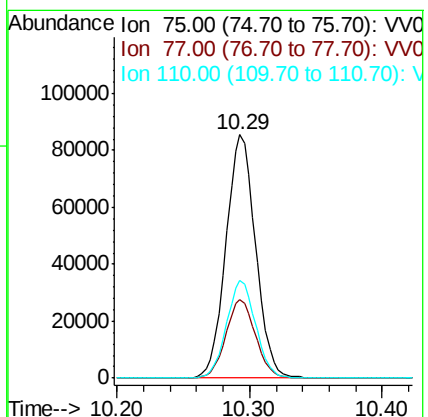
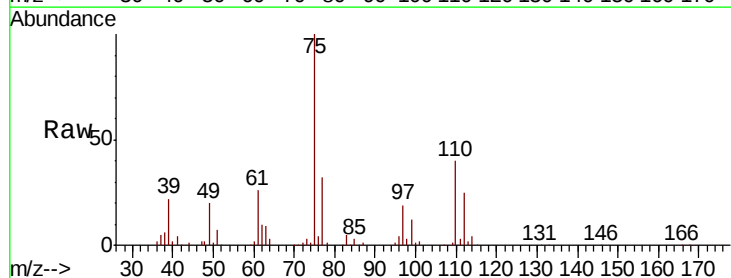
Tgt Ion: 75 Resp: 132718

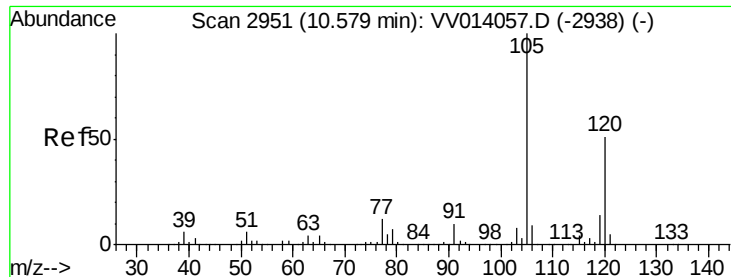
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

110 39.3 34.2 51.4

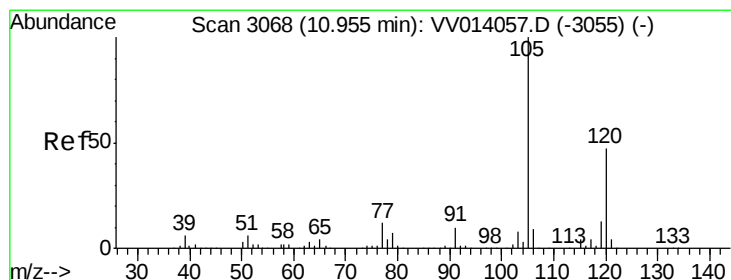
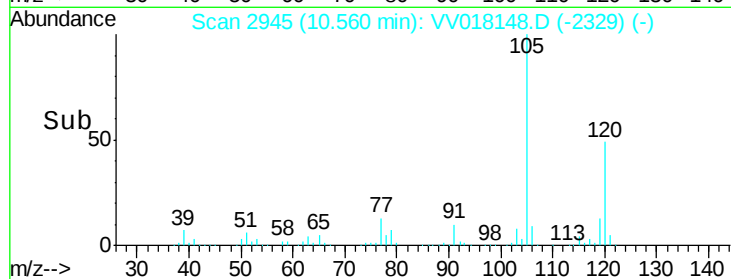
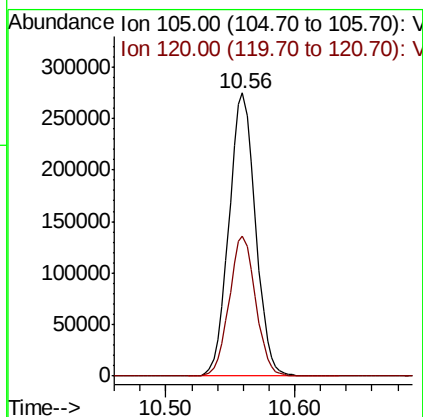
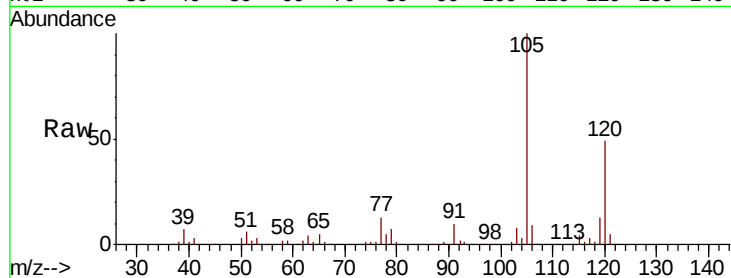




#62
 1,3,5-Trimethylbenzene
 Concen: 59.342 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

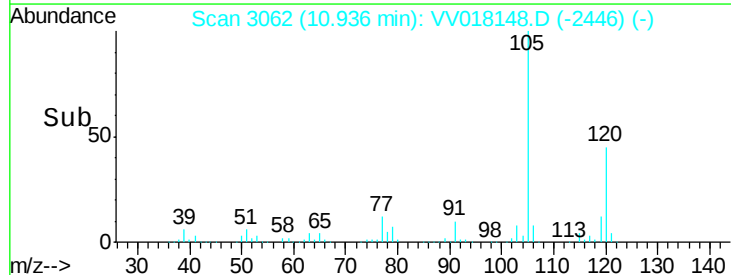
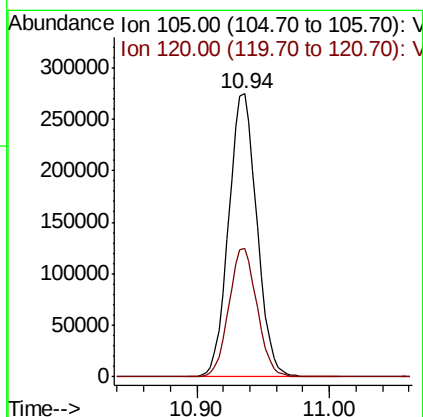
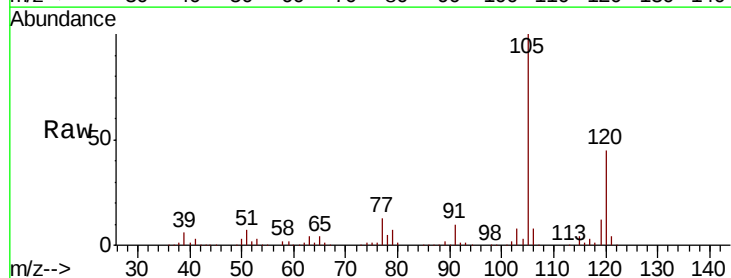
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB601

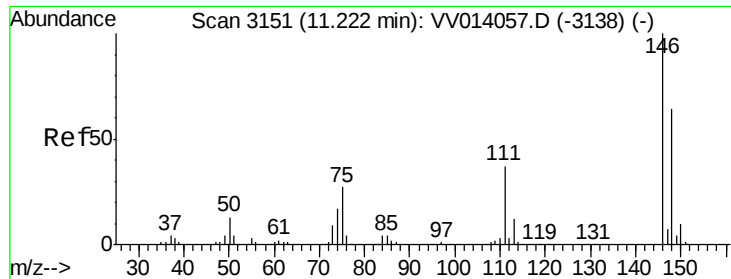
Tot Ion:105 Resp: 391912
 Ion Ratio Lower Upper
 105 100
 120 49.2 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 62.315 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Tgt Ion:105 Resp: 406183
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.7 55.1

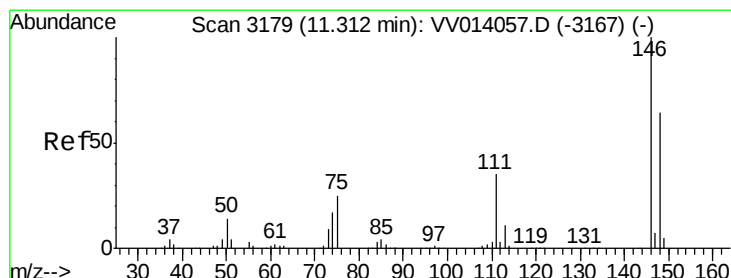
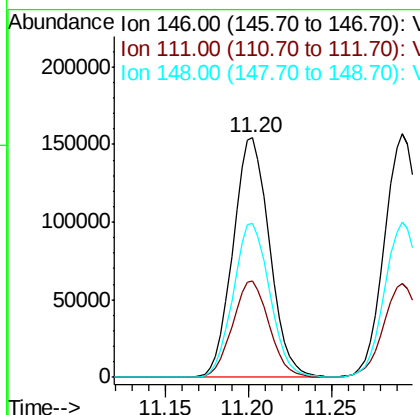
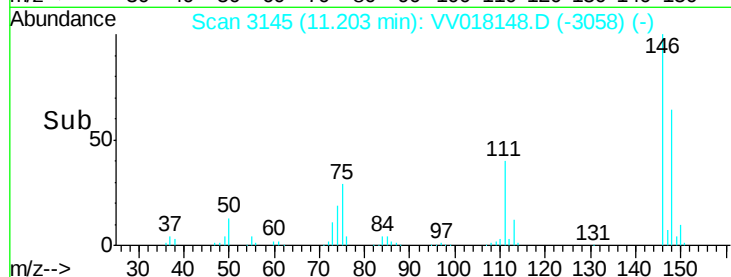
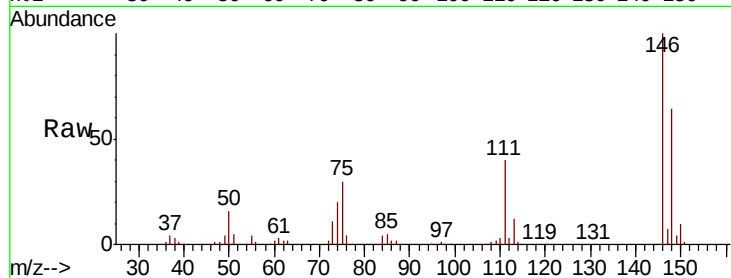




#64
 1,3-Dichlorobenzene
 Concen: 61.447 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

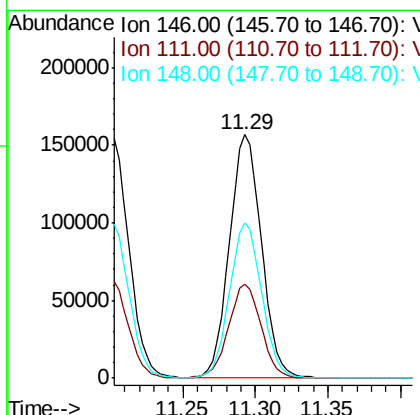
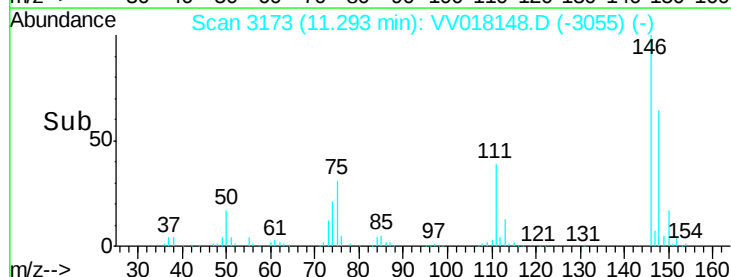
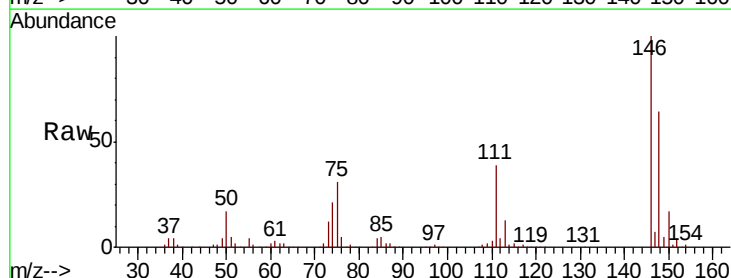
Instrument :
 MSVOA_V
 ClientSampled :
 BFB601

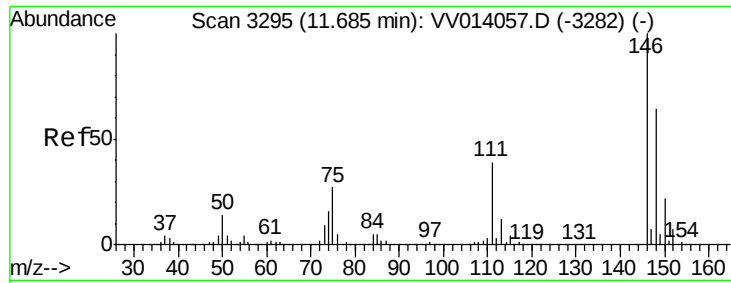
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	26.8	49.8
148	64.5	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 61.633 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.8	47.8
148	63.6	45.2	84.0

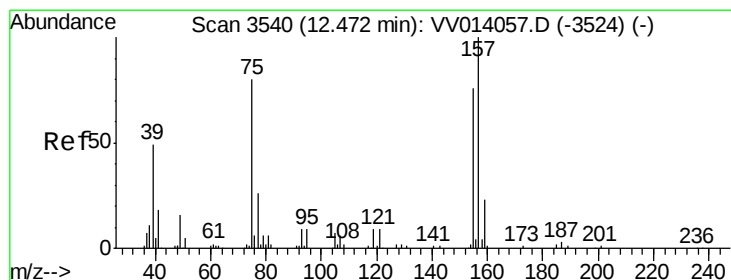
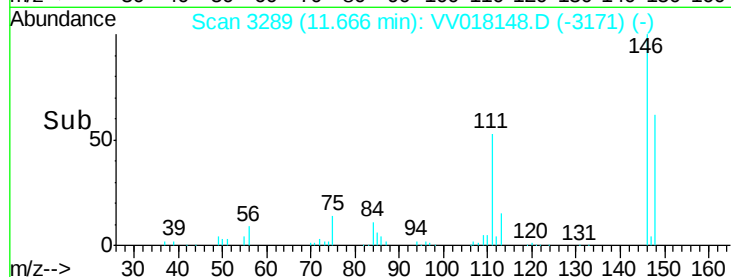
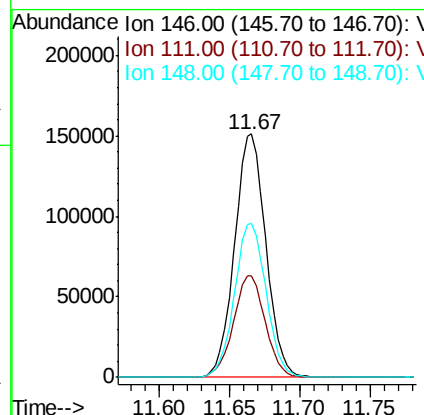
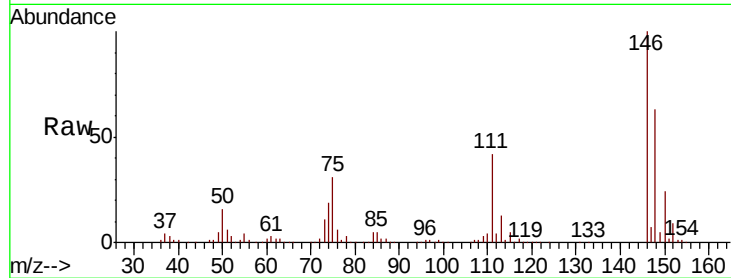




#67
 1,2-Dichlorobenzene
 Concen: 59.822 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

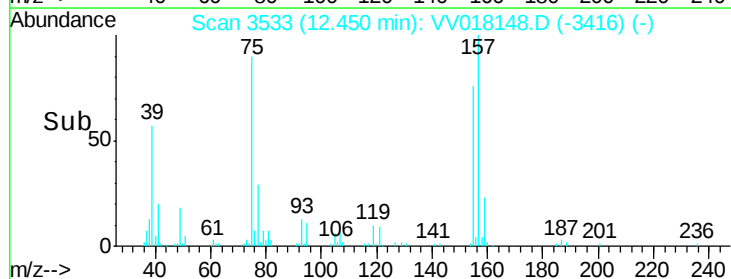
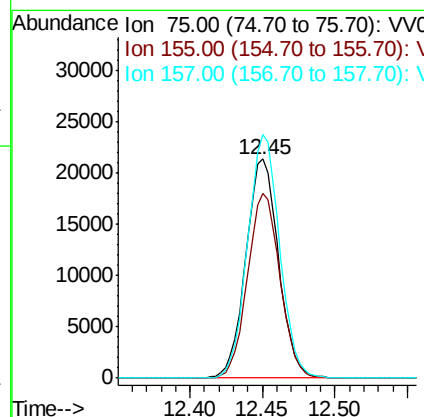
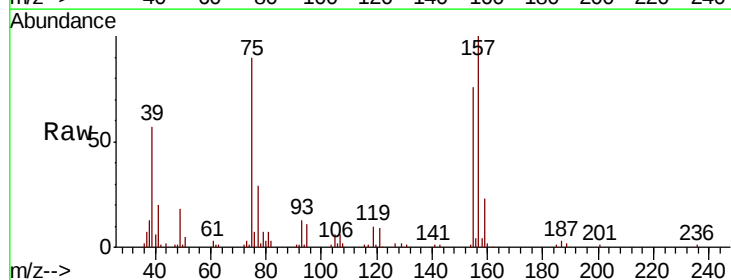
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB601

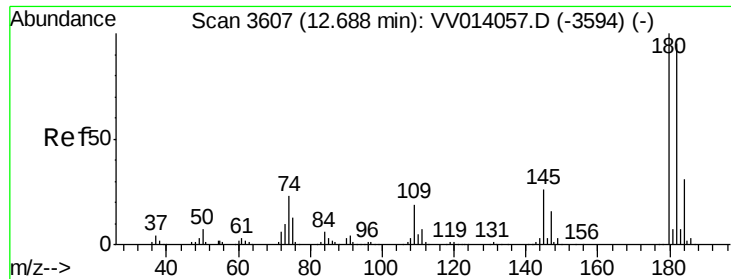
Tot Ion:146 Resp: 235269
 Ion Ratio Lower Upper
 146 100
 111 41.7 32.2 48.2
 148 63.3 53.2 79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 53.727 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Tgt Ion: 75 Resp: 33554
 Ion Ratio Lower Upper
 75 100
 155 84.3 81.2 121.8
 157 111.1 102.3 153.5

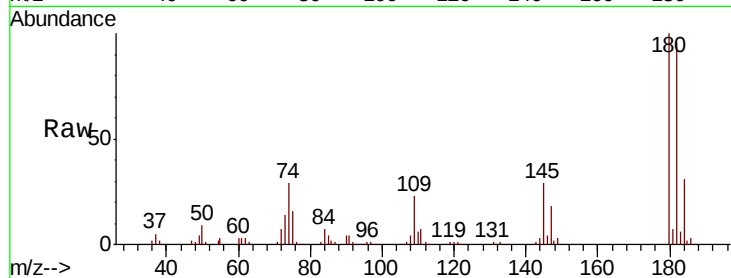




#69
 1,3,5-Trichlorobenzene
 Concen: 60.207 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB601

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
184	30.3	24.6	36.8
145	28.9	22.5	33.7

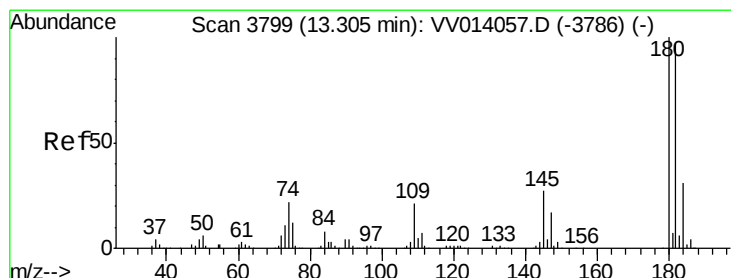
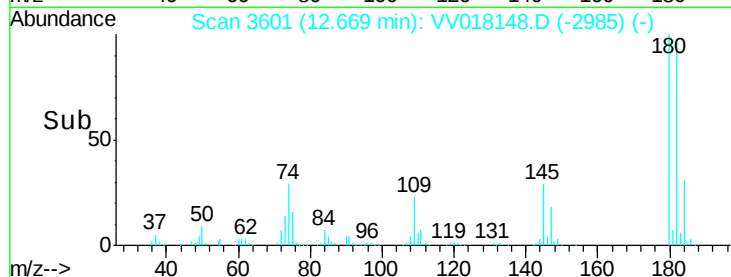
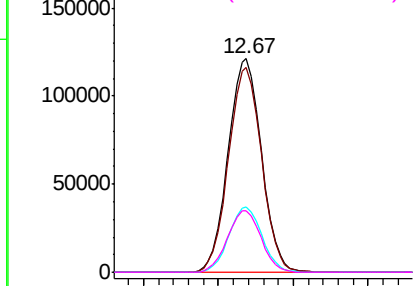


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

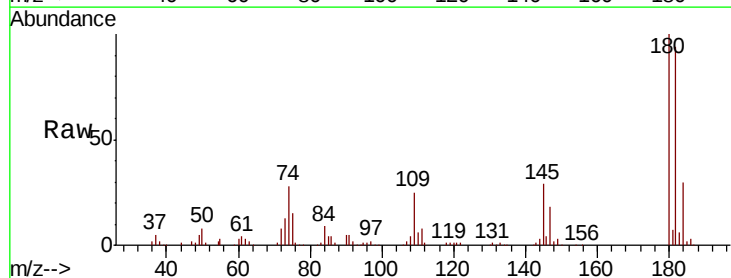
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 63.738 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.02 min
 Lab File: VV018148.D
 Acq: 03 Sep 2020 11:33

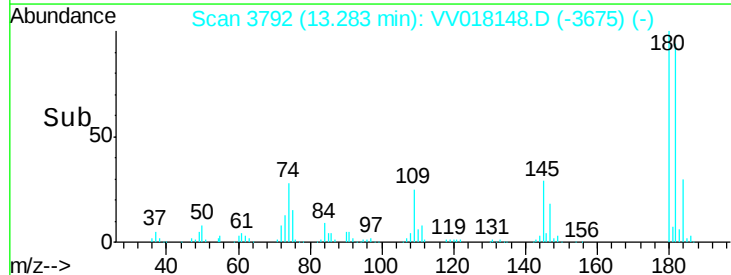
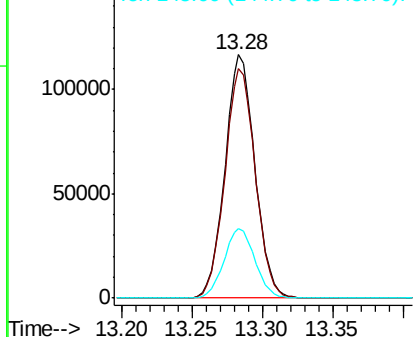
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
145	29.3	23.3	34.9

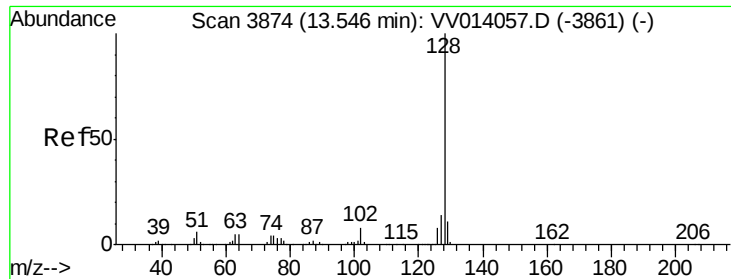


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

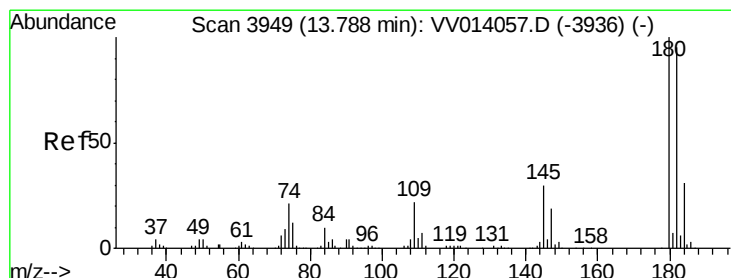
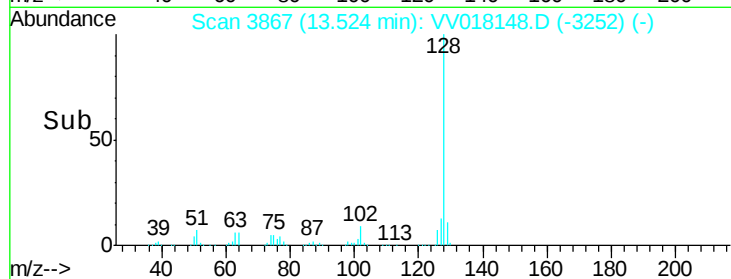
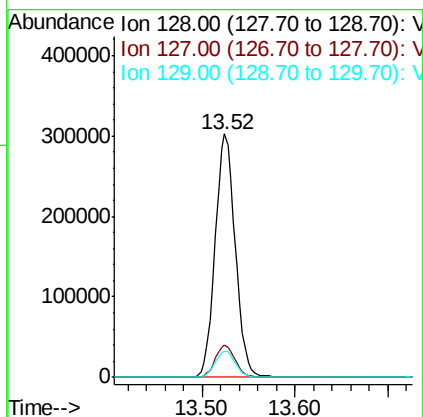
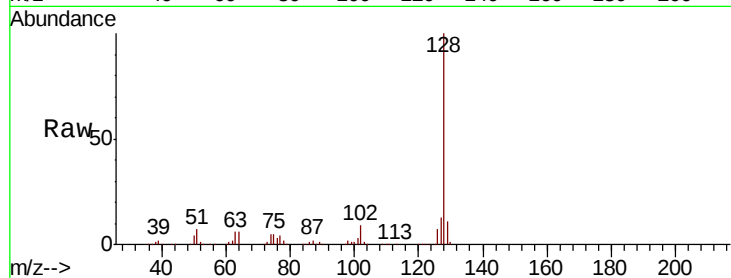




#71
Naphthalene
Concen: 66.311 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Instrument :
MSVOA_V
ClientSampleId :
BFB601

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.9	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 64.001 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.02 min
Lab File: VV018148.D
Acq: 03 Sep 2020 11:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.2	115.8
145	31.3	24.6	36.8

