

Data File : VV014618.D
Acq On : 20 Feb 2020 12:26
Operator : SY/MD
Sample : VSTDCCC050
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB93

Quant Time: Feb 21 03:28:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 20 06:56:37 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	260563	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	247450	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128468	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40709	40.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.36%
7) Chloroethane-d5	1.58	69	33176	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.28%
11) 1,1-Dichloroethene-d2	2.13	63	80513	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.44%
21) 2-Butanone-d5	3.92	46	92960	112.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.03%
24) Chloroform-d	4.40	84	148353	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.68%
26) 1,2-Dichloroethane-d4	5.08	65	96603	53.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.74%
32) Benzene-d6	5.09	84	294560	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.11	67	89939	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.92%
41) Toluene-d8	7.35	98	280450	49.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.52%
43) trans-1,3-Dichloropropene-	7.66	79	51037	51.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.86%
47) 2-Hexanone-d5	8.13	63	78573	110.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.32%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	129400	53.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.98%
64) 1,2-Dichlorobenzene-d4	11.67	152	117877	51.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.86%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	95433	51.610	ug/L	98
3) Chloromethane	1.25	50	59476	36.210	ug/L	97
5) Vinyl chloride	1.33	62	55495	47.540	ug/L	97
6) Bromomethane	1.53	94	32462	57.151	ug/L	98
8) Chloroethane	1.60	64	29359	50.076	ug/L	95
9) Trichlorofluoromethane	1.77	101	107628	53.371	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46145	53.678	ug/L	97
12) 1,1-Dichloroethene	2.14	96	40244	50.360	ug/L	97
13) Acetone	2.19	43	58166	81.706	ug/L	98
14) Carbon disulfide	2.32	76	182214	46.581	ug/L	100
15) Methyl Acetate	2.46	43	67860	49.735	ug/L	94
16) Methylene chloride	2.54	84	83681	50.098	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	78154	49.579	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	264022	52.230	ug/L	100
19) 1,1-Dichloroethane	3.23	63	141502	51.193	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	91800	50.371	ug/L	97
22) 2-Butanone	4.01	43	106535	99.810	ug/L	97

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Quant Title : VOC Analysis
QLast Update : Thu Feb 20 06:56:37 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45965	52.072	ug/L	96
25) Chloroform	4.42	83	167249	54.687	ug/L	100
27) 1,2-Dichloroethane	5.17	62	117829	52.257	ug/L	100
29) Cyclohexane	4.72	56	120970	48.834	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	139714	51.901	ug/L	99
31) Carbon tetrachloride	4.87	117	125996	51.835	ug/L	99
33) Benzene	5.14	78	325984	50.175	ug/L	100
34) Trichloroethene	5.96	95	89881	51.267	ug/L	97
35) Methylcyclohexane	6.17	83	143941	52.438	ug/L	98
37) 1,2-Dichloropropane	6.22	63	80497	50.178	ug/L	100
38) Bromodichloromethane	6.55	83	120984	51.431	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	145646	51.427	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	195395	98.604	ug/L	100
42) Toluene	7.43	91	360704	50.913	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	131915	51.576	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	86498	52.198	ug/L	99
46) Tetrachloroethene	8.01	164	70920	51.442	ug/L	98
48) 2-Hexanone	8.17	43	154505	100.006	ug/L	99
49) Dibromochloromethane	8.28	129	101673	51.480	ug/L	99
50) 1,2-Dibromoethane	8.39	107	92434	51.552	ug/L	98
51) Chlorobenzene	8.92	112	241592	51.007	ug/L	100
52) Ethylbenzene	9.05	91	410565	51.088	ug/L	100
53) m,p-Xylene	9.18	106	158322	50.461	ug/L	99
54) o-xylene	9.58	106	155097	51.718	ug/L	99
55) Styrene	9.60	104	265418	51.508	ug/L	100
56) Isopropylbenzene	9.97	105	413407	51.826	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	134546	51.393	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	105087	50.902	ug/L	99
61) Bromoform	9.77	173	70237	50.514	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	199789	51.423	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	200599	50.655	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	193895	50.805	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	31394	50.496	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	150913	54.013	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	141369	54.637	ug/L	98
69) Naphthalene	13.54	128	449797	54.823	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	139513	55.932	ug/L	98

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

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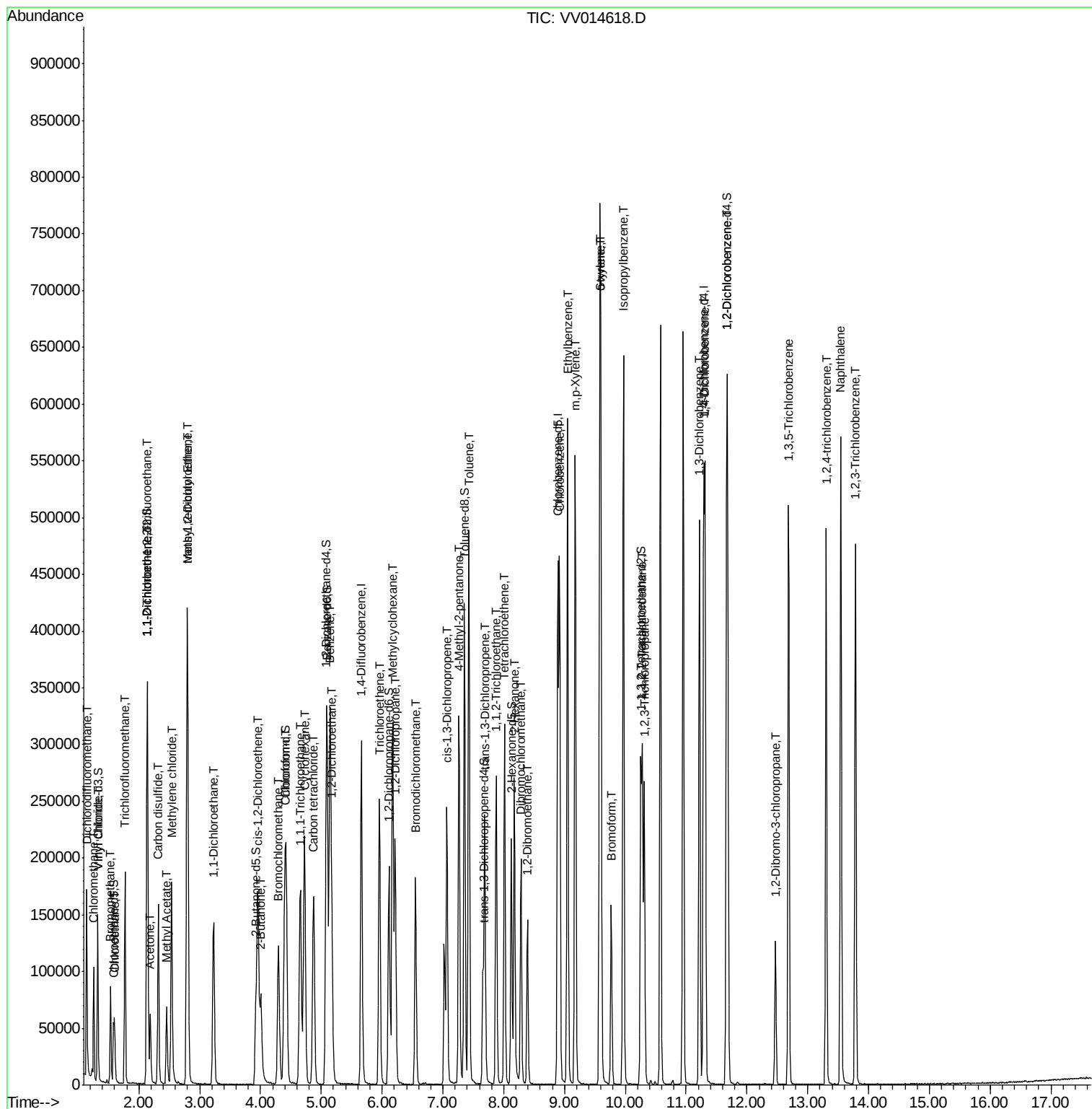
Quant Time: Feb 21 03:28:43 2020

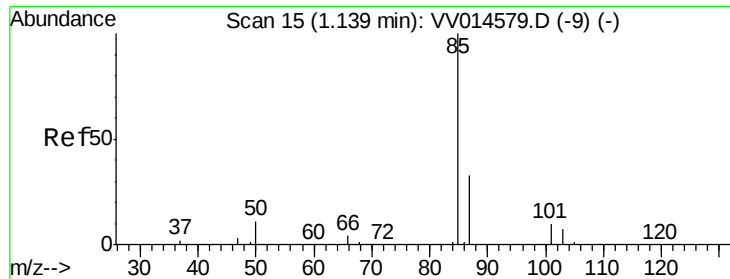
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM021220WMA.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.610 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

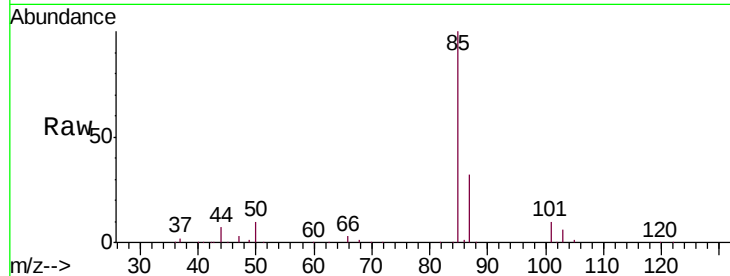
BFB93

Tgt Ion: 85 Resp: 95433

Ion Ratio Lower Upper

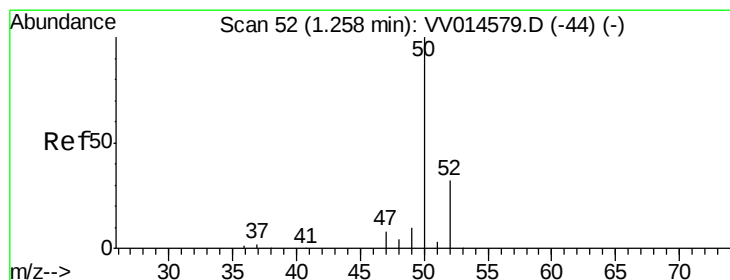
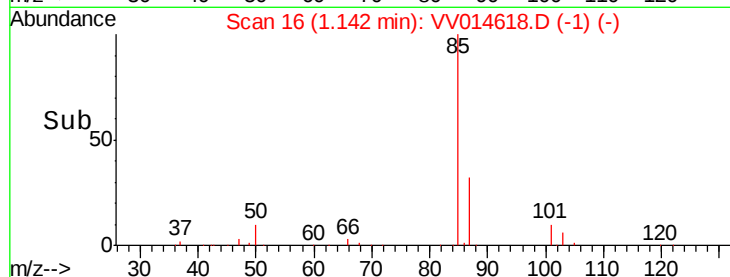
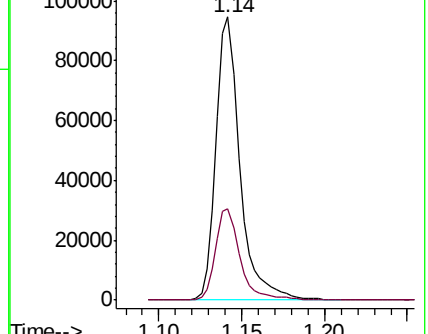
85 100

87 33.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 36.210 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014618.D

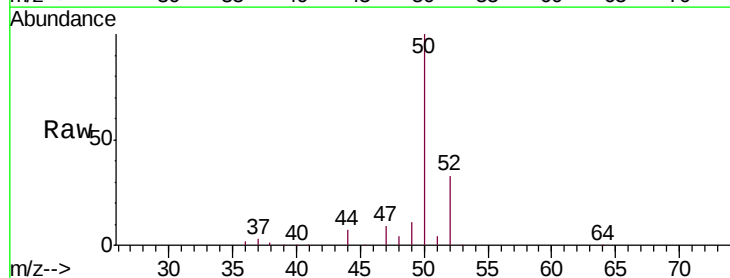
Acq: 20 Feb 2020 12:26

Tgt Ion: 50 Resp: 59476

Ion Ratio Lower Upper

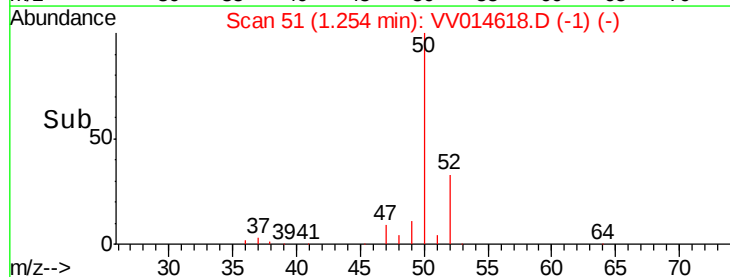
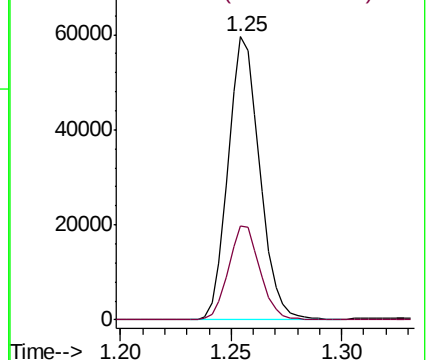
50 100

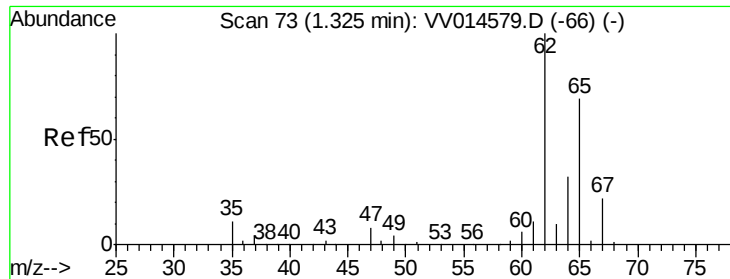
52 33.2 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 47.540 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

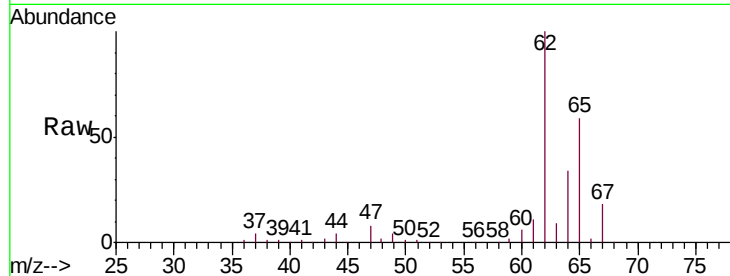
BFB93

Tgt Ion: 62 Resp: 55495

Ion Ratio Lower Upper

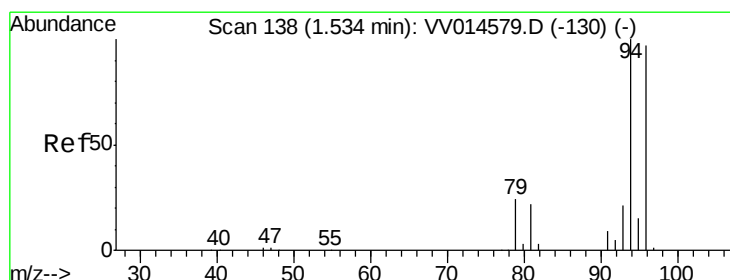
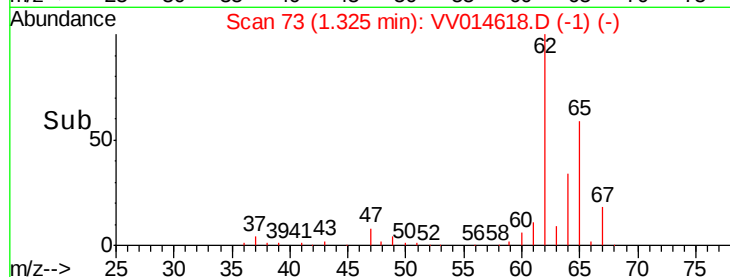
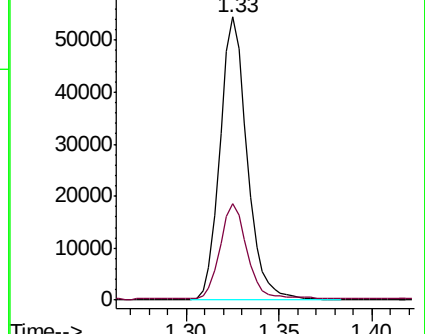
62 100

64 33.9 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 57.151 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014618.D

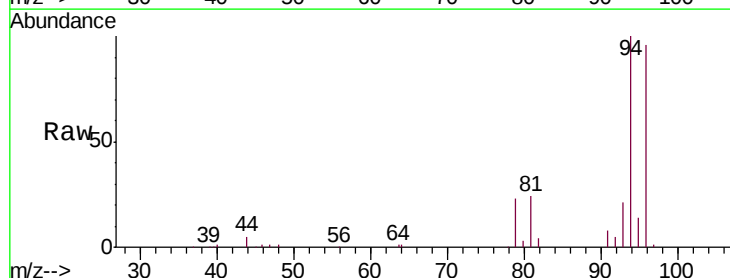
Acq: 20 Feb 2020 12:26

Tgt Ion: 94 Resp: 32462

Ion Ratio Lower Upper

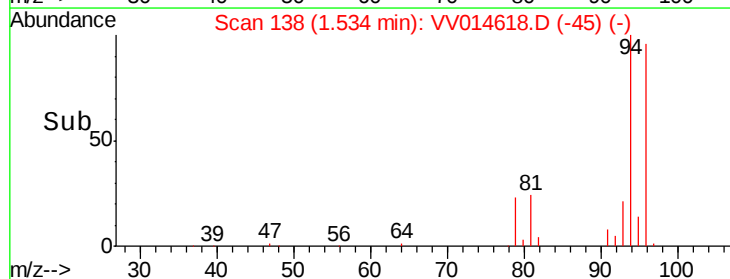
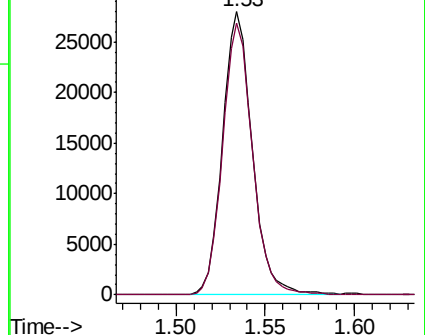
94 100

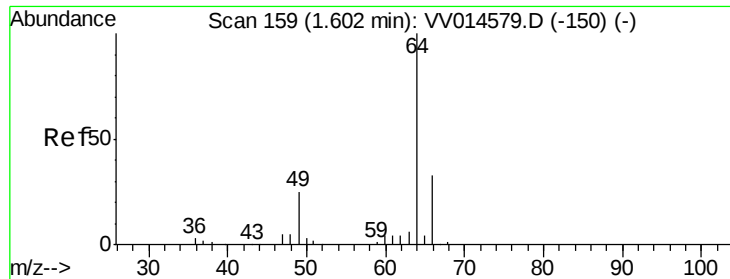
96 96.1 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.076 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

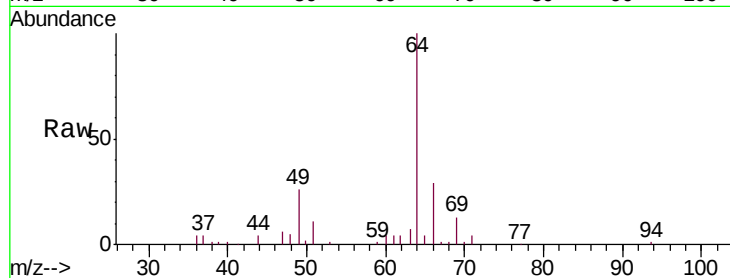
Instrument :
MSVOA_V
ClientSampleId :
BFB93

Tgt Ion: 64 Resp: 29359

Ion Ratio Lower Upper

64 100

66 29.1 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV014579.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014579.D (-150) (-)

1.60

25000

20000

15000

10000

5000

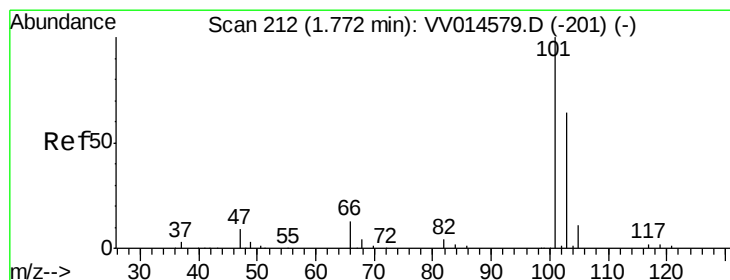
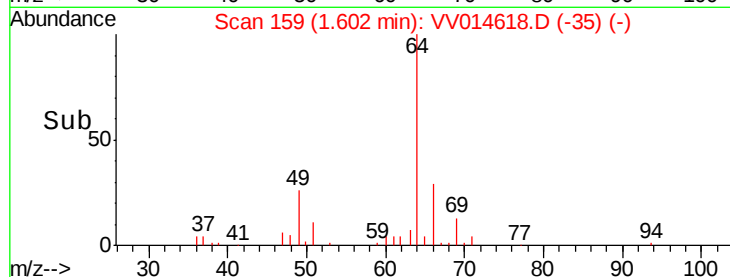
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 53.371 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV014618.D

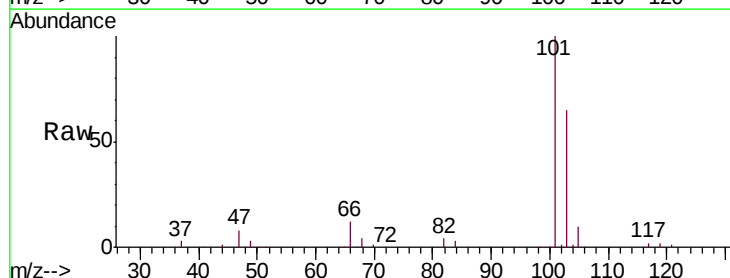
Acq: 20 Feb 2020 12:26

Tgt Ion: 101 Resp: 107628

Ion Ratio Lower Upper

101 100

103 65.5 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VV014579.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014579.D (-201) (-)

1.77

100000

80000

60000

40000

20000

0

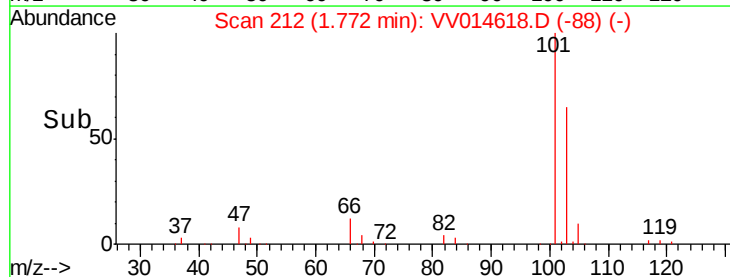
Time-->

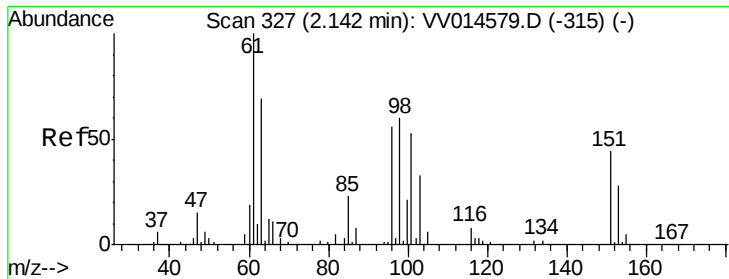
1.70

1.75

1.80

1.85





#10

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

Concen: 53.678 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

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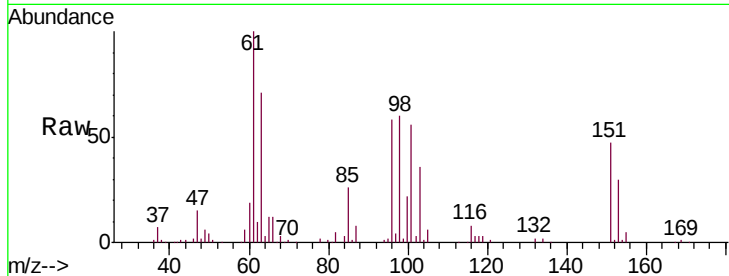
Tgt Ion: 101 Resp: 46145

Ion Ratio Lower Upper

101 100

85 46.3 35.4 53.0

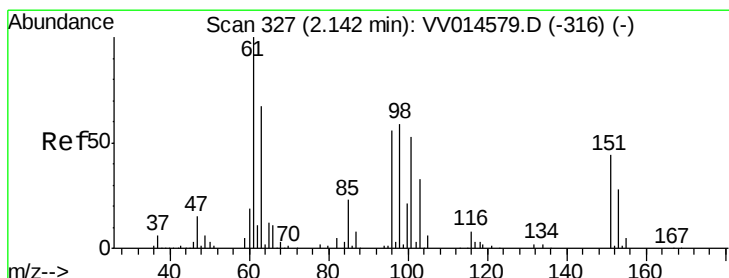
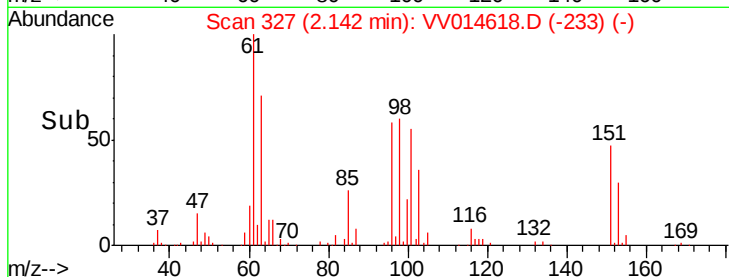
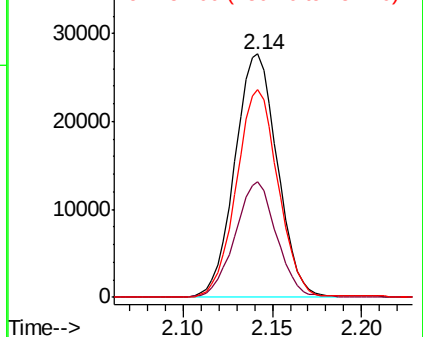
151 83.9 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.360 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

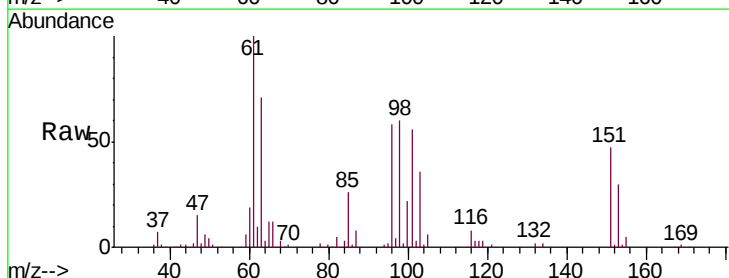
Tgt Ion: 96 Resp: 40244

Ion Ratio Lower Upper

96 100

61 173.2 124.2 230.6

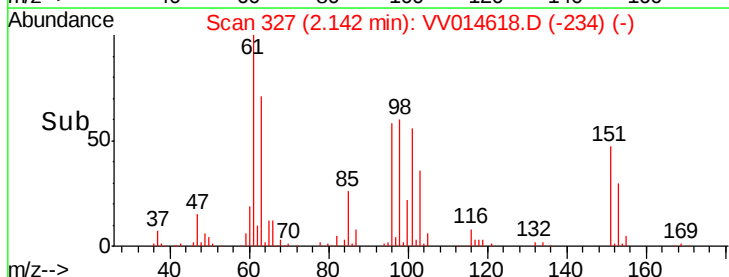
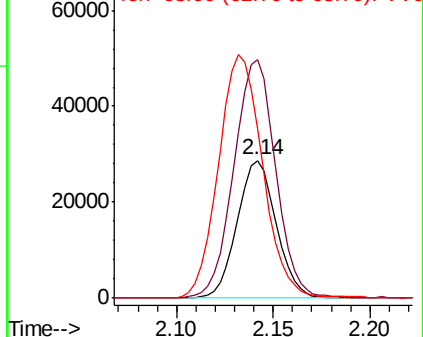
63 122.6 89.2 165.8

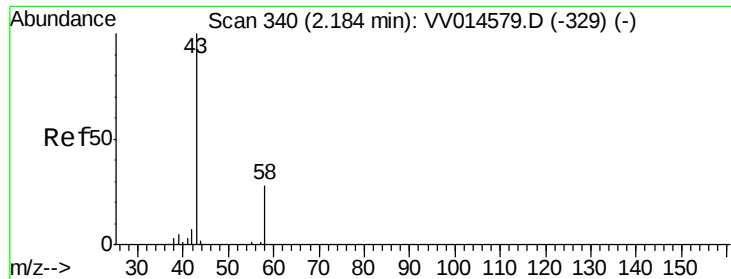


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 81.706 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

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ClientSampleId :

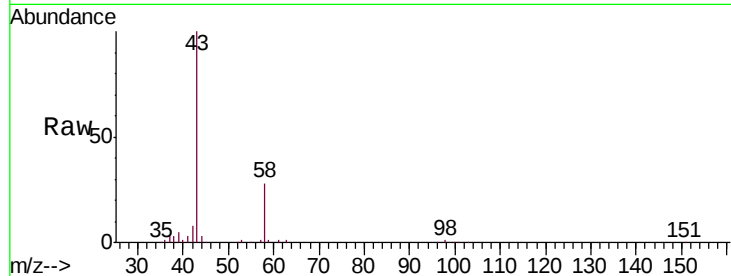
BFB93

Tgt Ion: 43 Resp: 58166

Ion Ratio Lower Upper

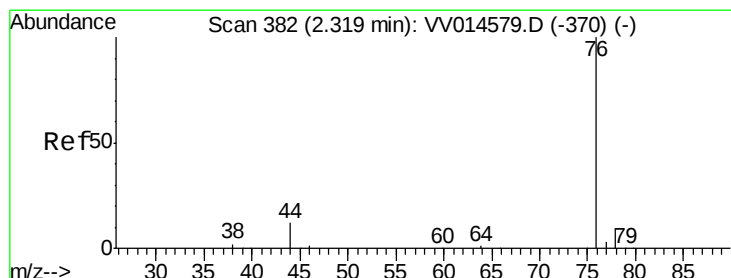
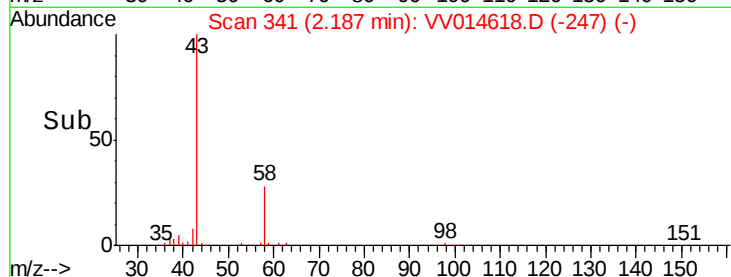
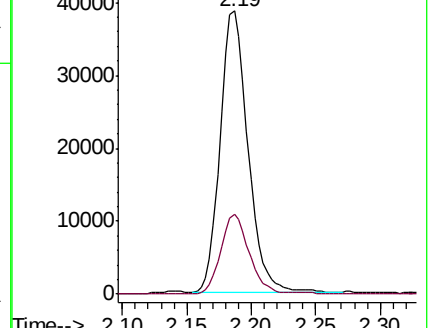
43 100

58 28.6 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014579.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014579.D (-329) (-)



#14

Carbon disulfide

Concen: 46.581 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV014618.D

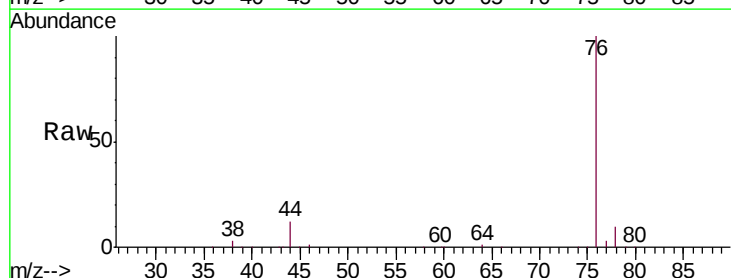
Acq: 20 Feb 2020 12:26

Tgt Ion: 76 Resp: 182214

Ion Ratio Lower Upper

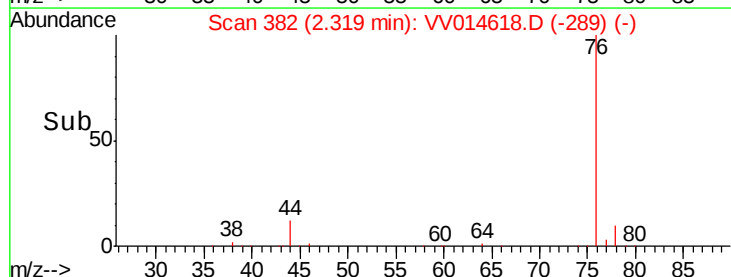
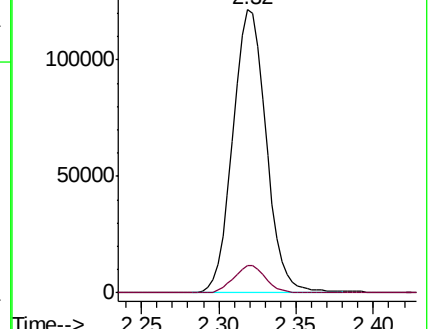
76 100

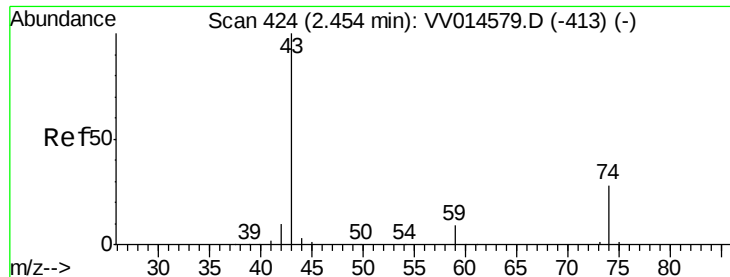
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014579.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014579.D (-370) (-)

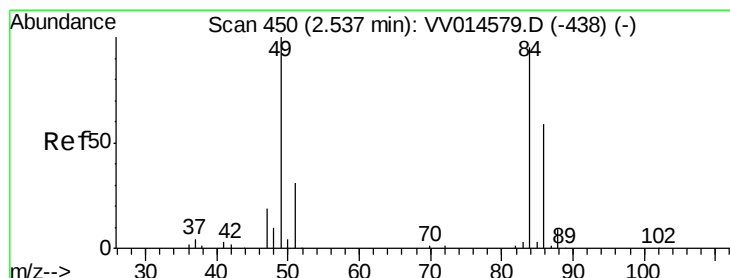
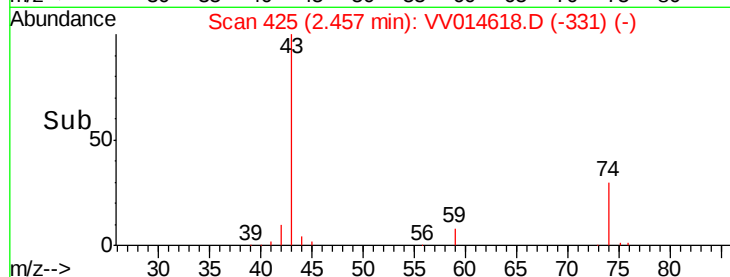
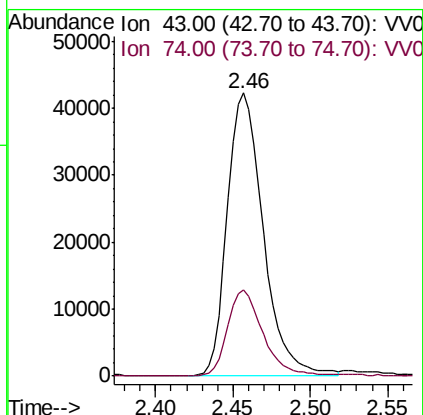
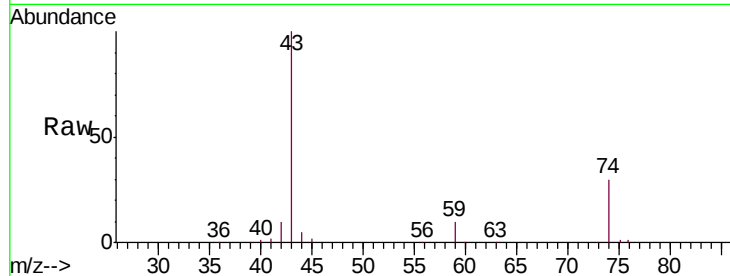




#15
Methyl Acetate
Concen: 49.735 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

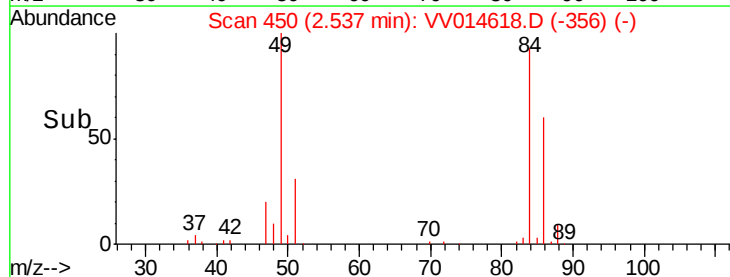
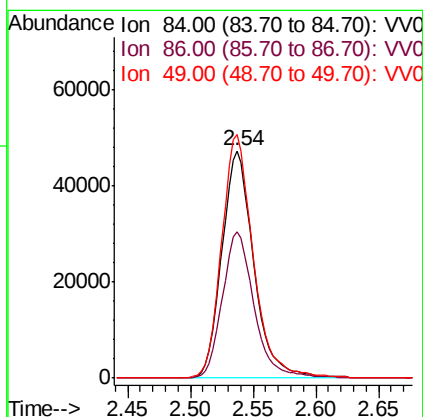
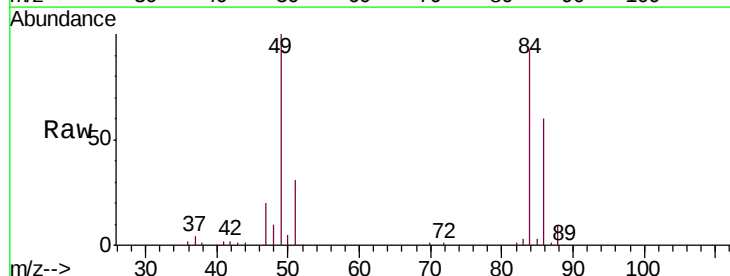
Instrument :
MSVOA_V
ClientSampleId :
BFB93

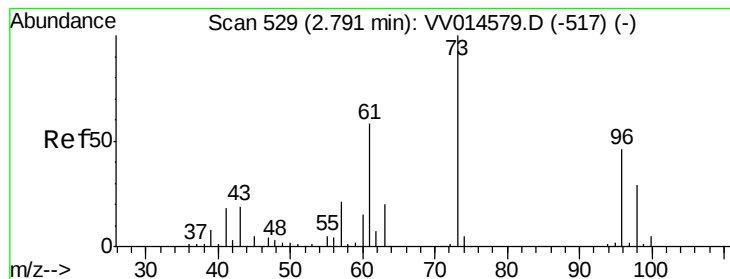
Tgt Ion: 43 Resp: 67860
Ion Ratio Lower Upper
43 100
74 29.8 21.4 32.2



#16
Methylene chloride
Concen: 50.098 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Tgt Ion: 84 Resp: 83681
Ion Ratio Lower Upper
84 100
86 64.4 46.3 86.1
49 107.1 78.1 145.1





#17

trans-1,2-Dichloroethene

Concen: 49.579 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

BFB93

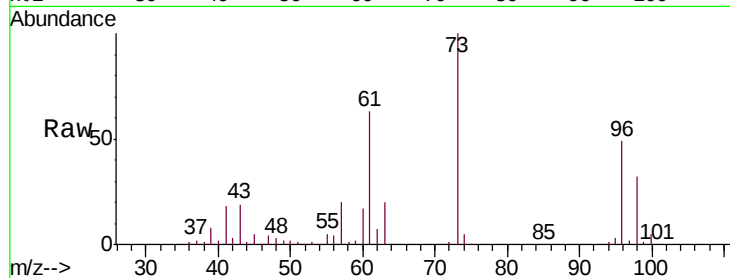
Tgt Ion: 96 Resp: 78154

Ion Ratio Lower Upper

96 100

61 129.3 93.0 172.6

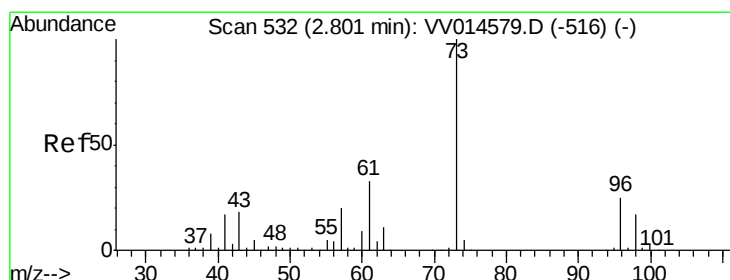
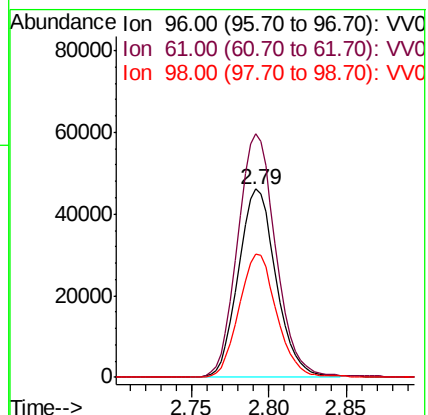
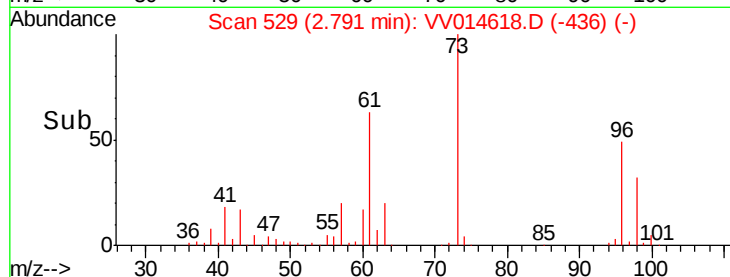
98 65.4 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.230 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

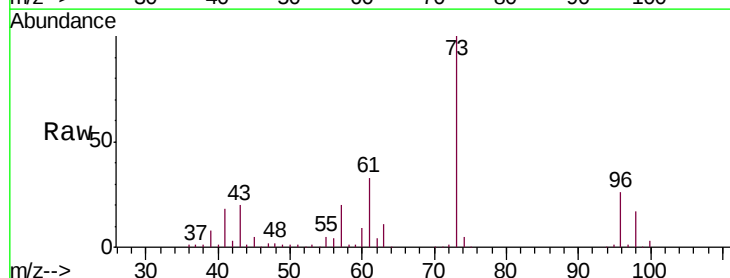
Tgt Ion: 73 Resp: 264022

Ion Ratio Lower Upper

73 100

43 19.0 15.1 22.7

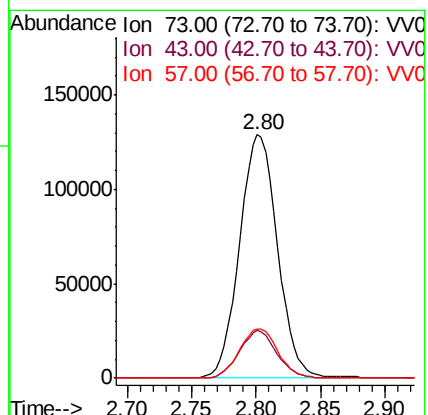
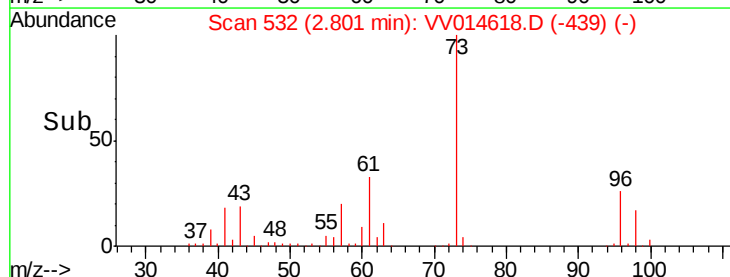
57 20.4 16.2 24.4

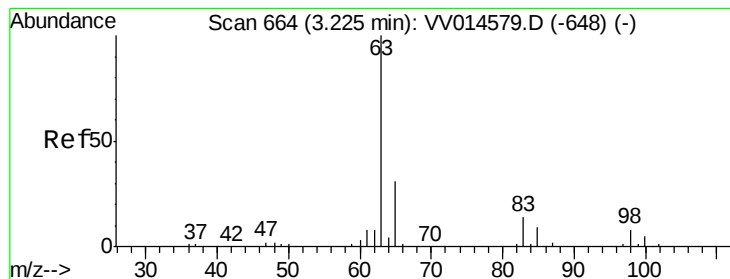


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 51.193 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

BFB93

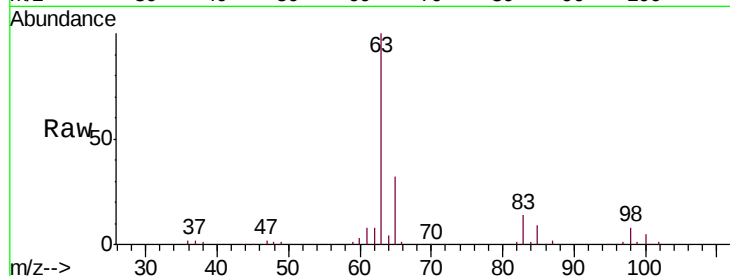
Tgt Ion: 63 Resp: 141502

Ion Ratio Lower Upper

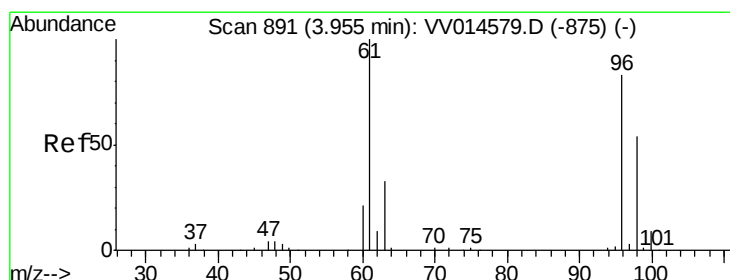
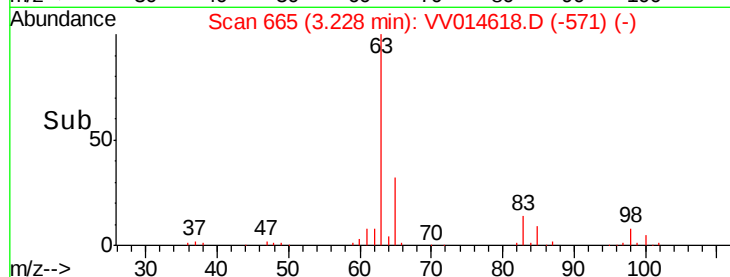
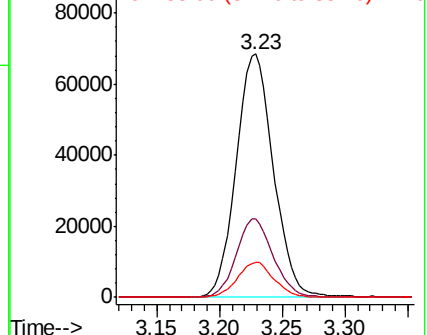
63 100

65 32.3 22.2 41.2

83 14.5 10.4 19.2



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



#20

cis-1,2-Dichloroethene

Concen: 50.371 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

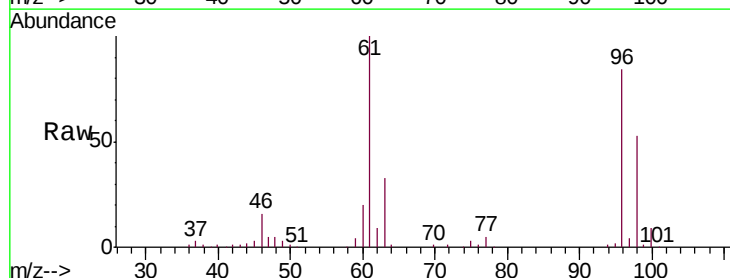
Tgt Ion: 96 Resp: 91800

Ion Ratio Lower Upper

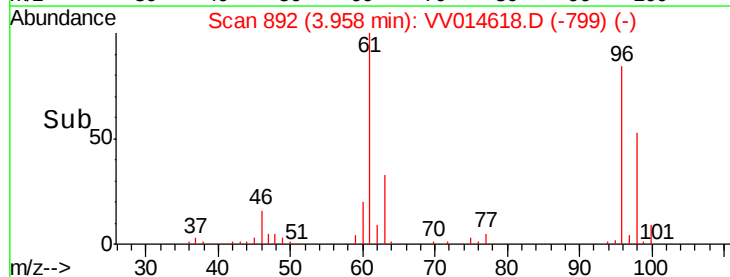
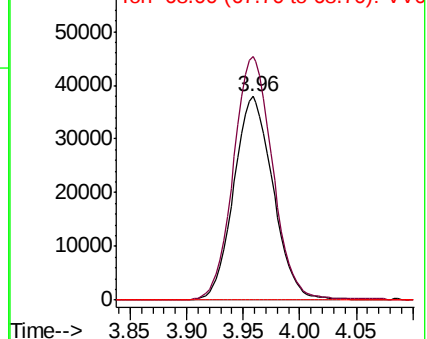
96 100

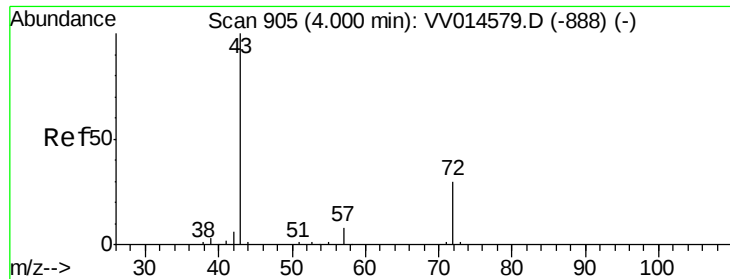
61 119.5 85.9 159.5

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 99.810 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.01 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

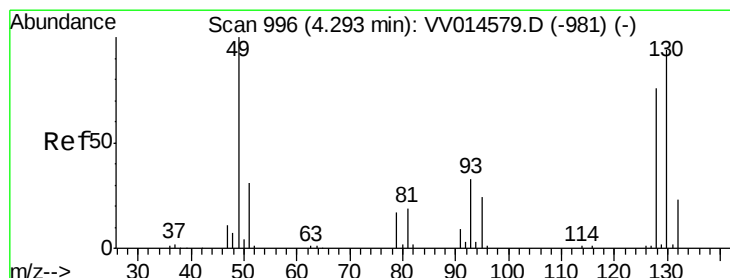
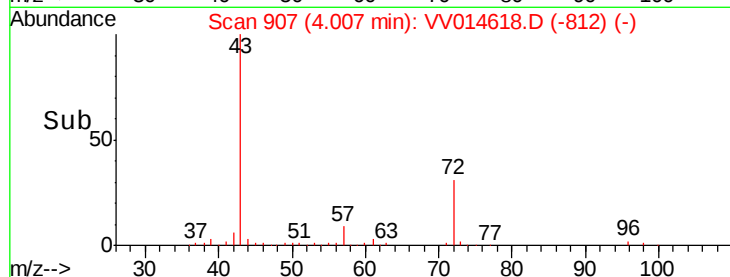
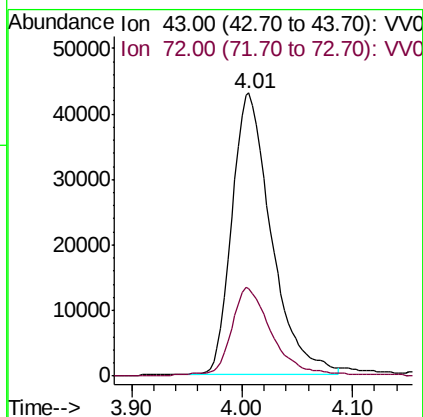
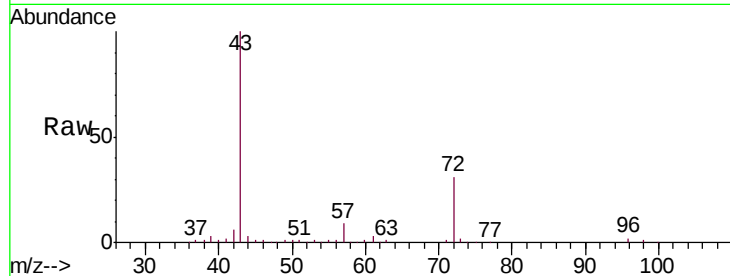
BFB93

Tgt Ion: 43 Resp: 106535

Ion Ratio Lower Upper

43 100

72 30.4 15.9 47.7



#23

Bromochloromethane

Concen: 52.072 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Tgt Ion: 128 Resp: 45965

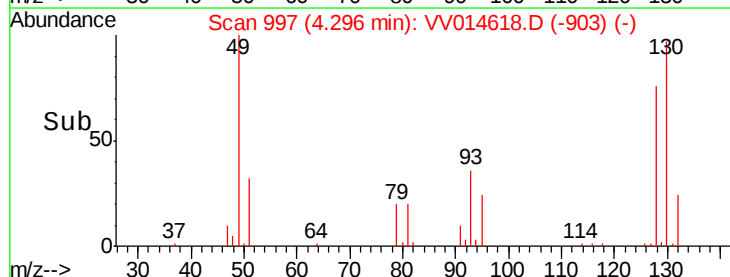
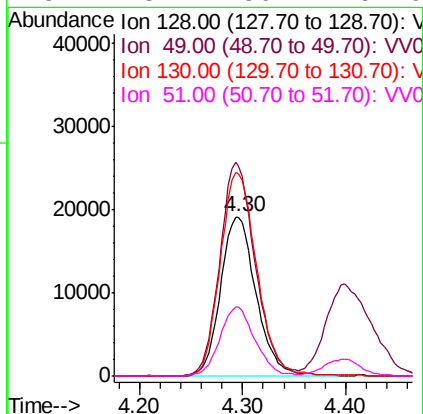
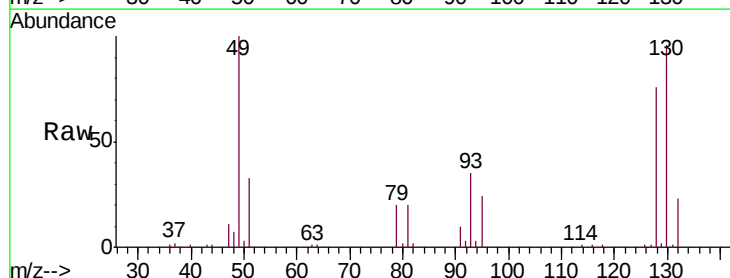
Ion Ratio Lower Upper

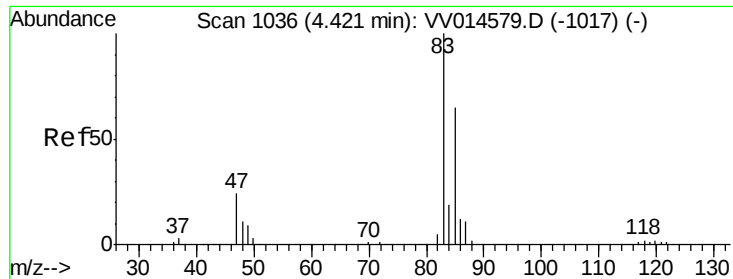
128 100

49 132.1 97.1 180.3

130 126.9 90.7 168.5

51 43.2 36.4 54.6

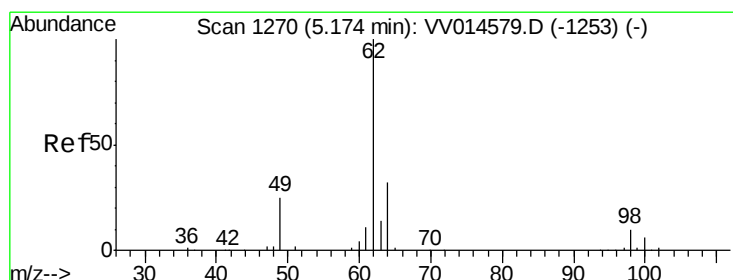
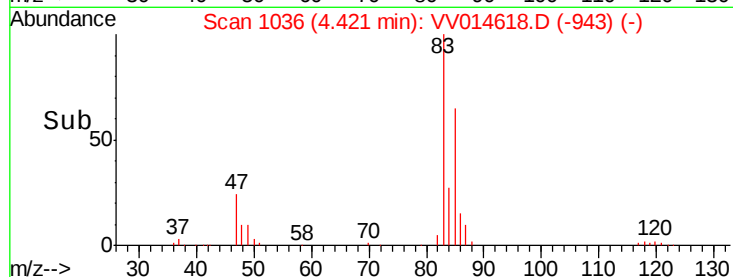
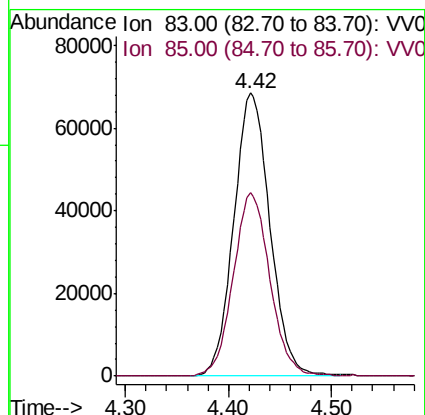
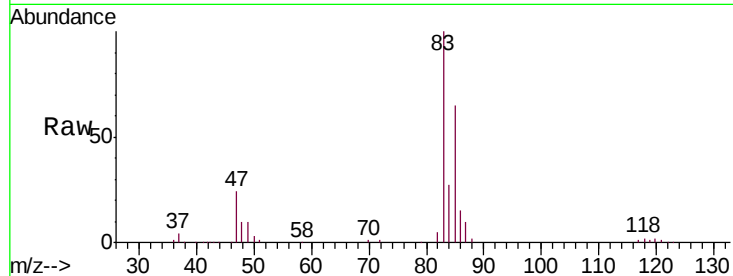




#25
Chloroform
Concen: 54.687 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

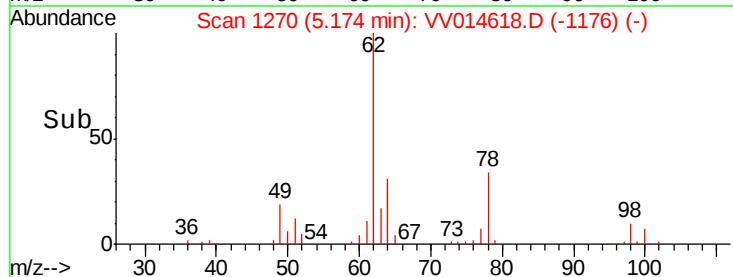
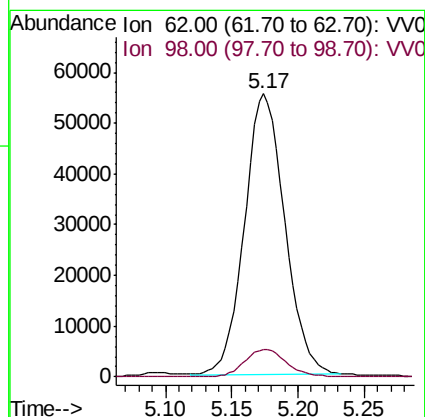
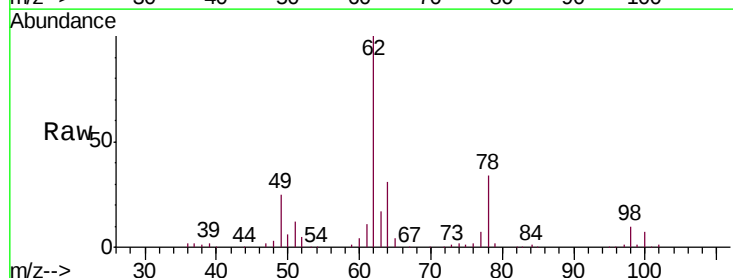
Instrument :
MSVOA_V
ClientSampleId :
BFB93

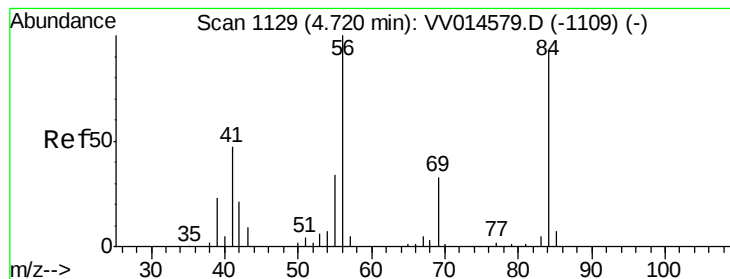
Tgt Ion: 83 Resp: 167249
Ion Ratio Lower Upper
83 100
85 64.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 52.257 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Tgt Ion: 62 Resp: 117829
Ion Ratio Lower Upper
62 100
98 9.8 7.9 11.9





#29

Cyclohexane

Concen: 48.834 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

BFB93

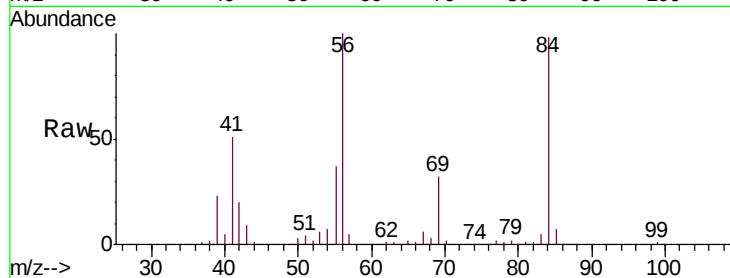
Tgt Ion: 56 Resp: 120970

Ion Ratio Lower Upper

56 100

69 33.1 26.5 39.7

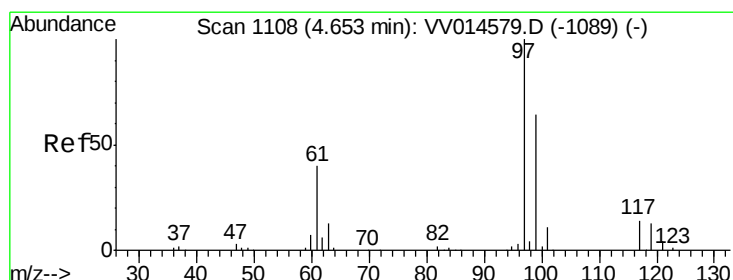
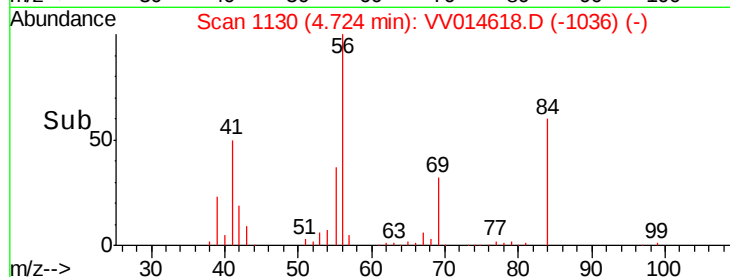
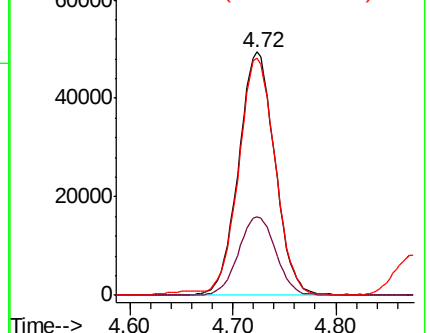
84 97.7 75.8 113.8



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.901 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

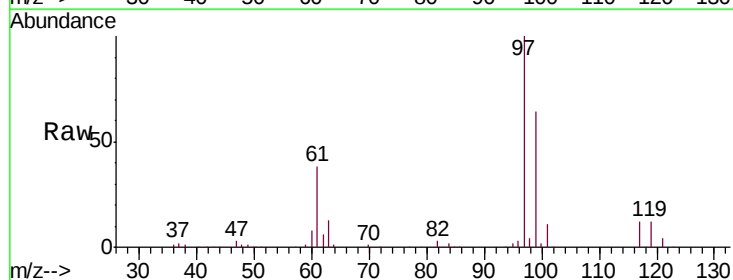
Tgt Ion: 97 Resp: 139714

Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

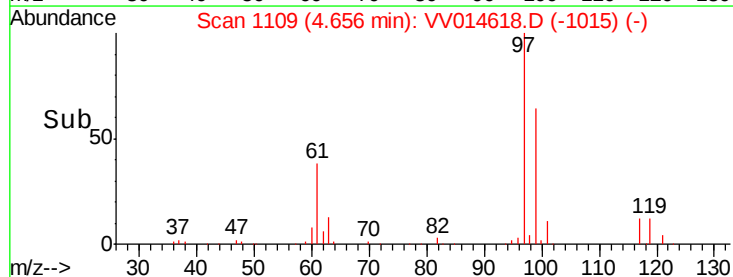
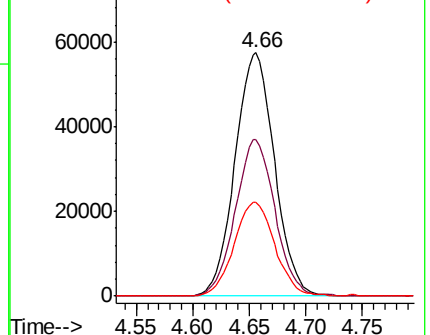
61 39.9 32.4 48.6

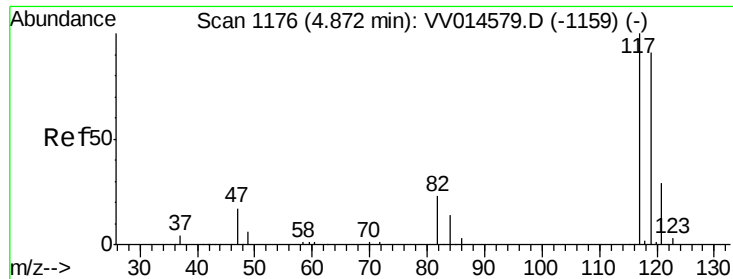


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.835 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

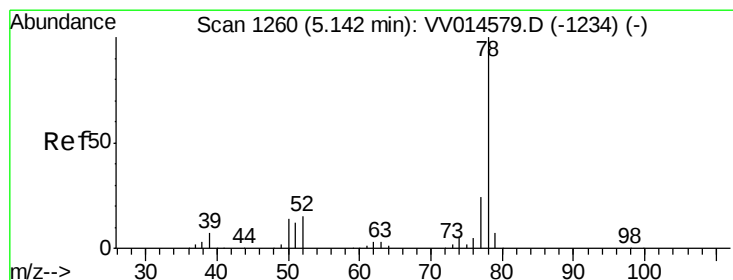
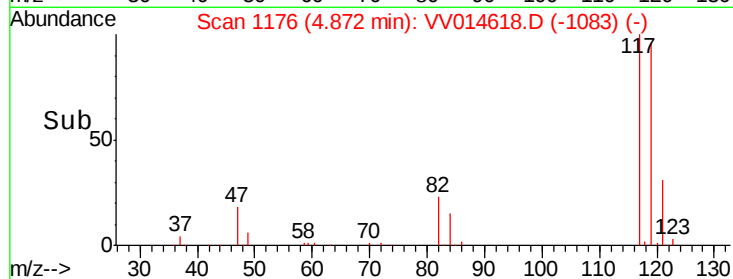
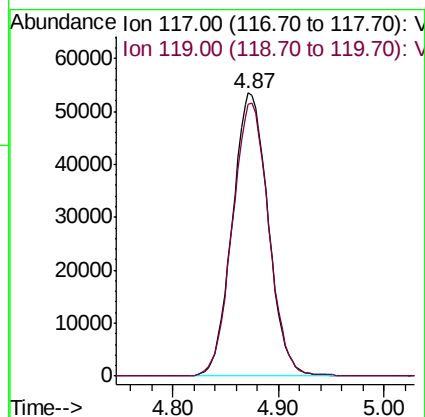
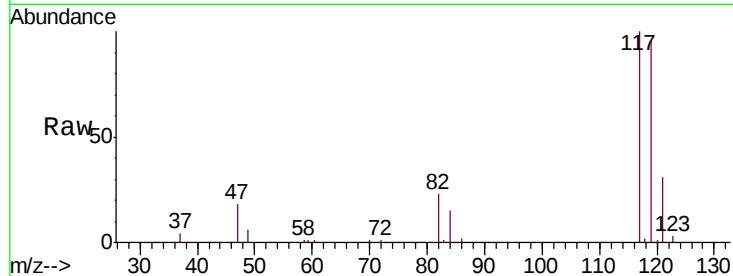
BFB93

Tgt Ion:117 Resp: 125996

Ion Ratio Lower Upper

117 100

119 97.6 77.6 116.4



#33

Benzene

Concen: 50.175 ug/L

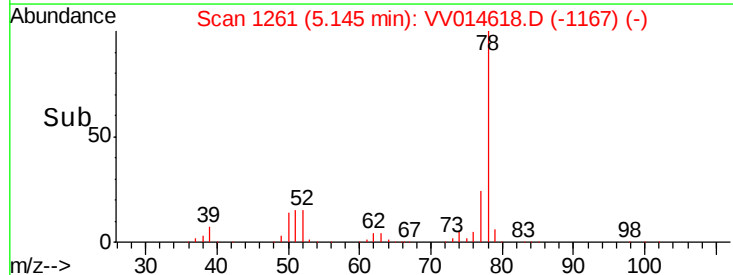
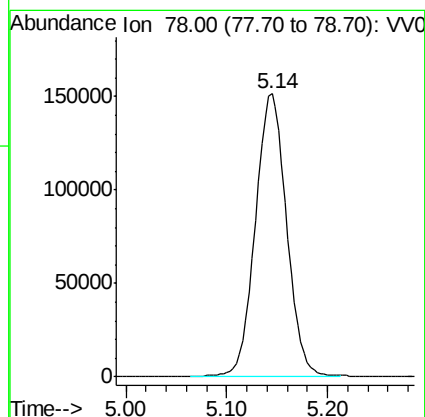
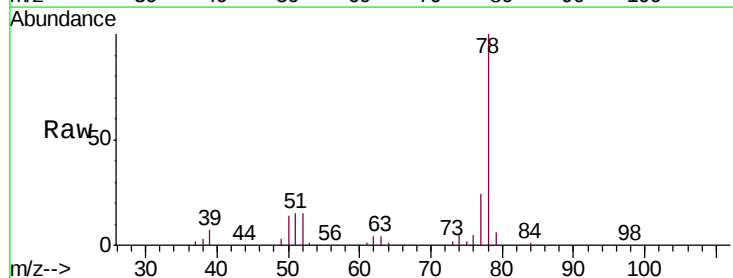
RT: 5.14 min Scan# 1261

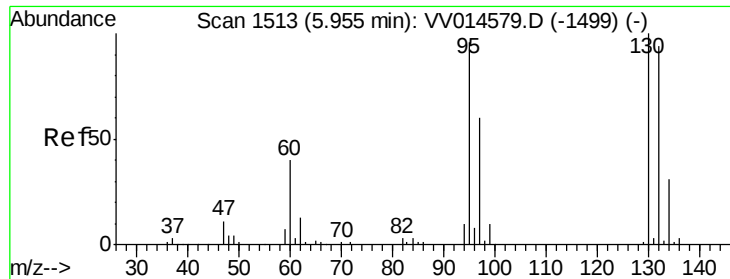
Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Tgt Ion: 78 Resp: 325984

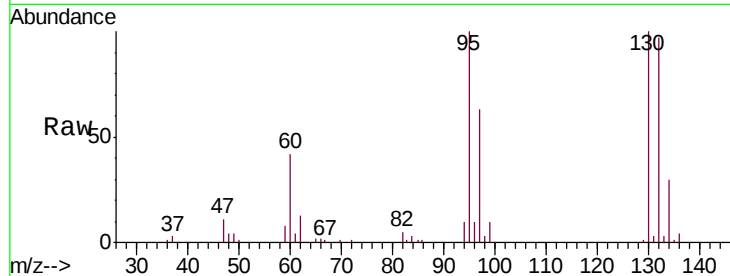




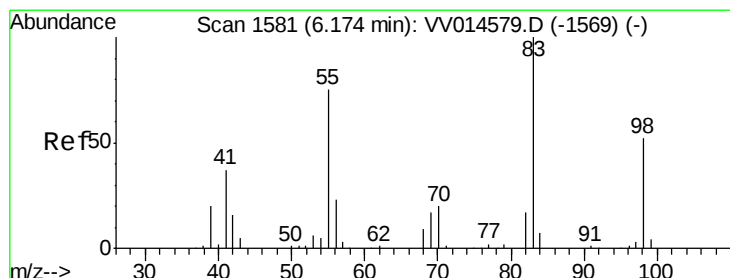
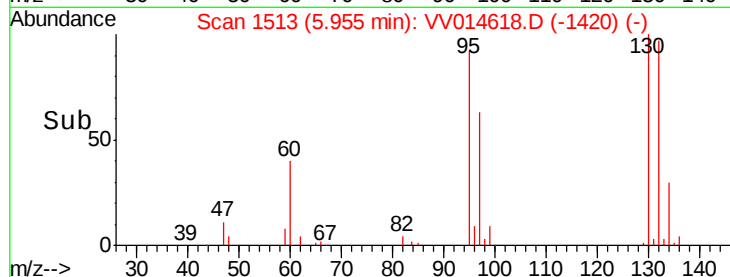
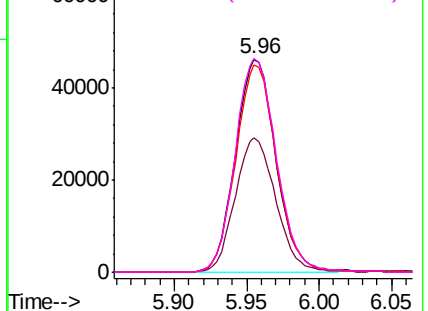
#34
 Trichloroethene
 Concen: 51.267 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

Tgt Ion: 95 Resp: 89881
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.3 84.1
 132 97.4 69.6 129.2
 130 100.2 74.0 137.4

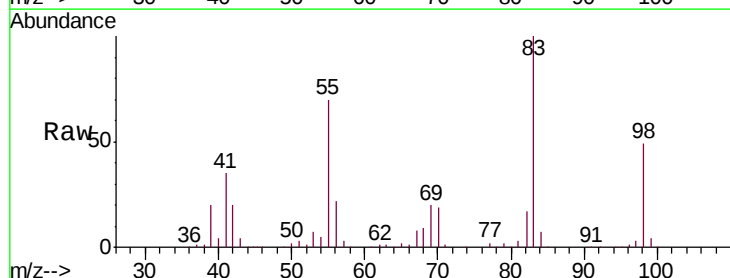


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

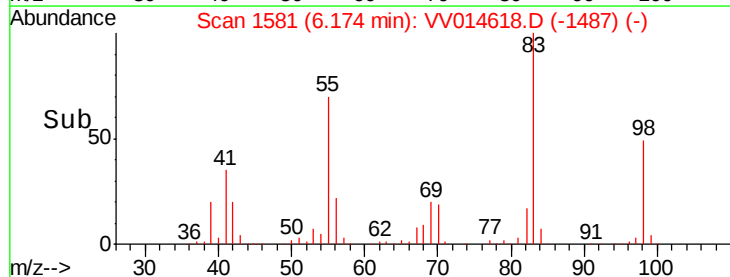
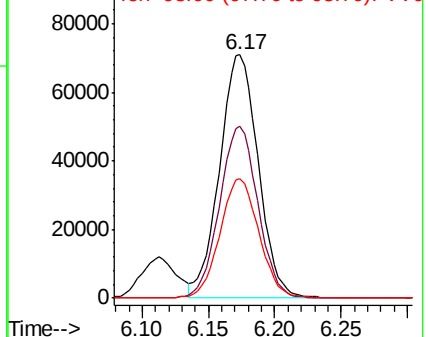


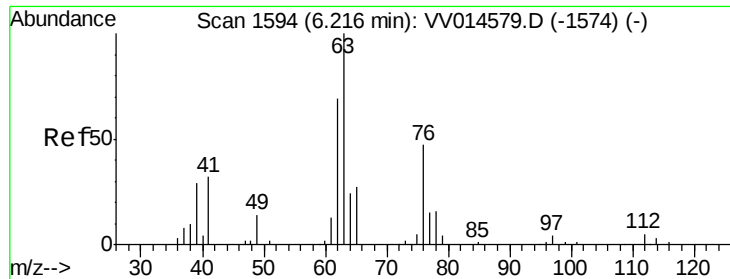
#35
 Methylcyclohexane
 Concen: 52.438 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Tgt Ion: 83 Resp: 143941
 Ion Ratio Lower Upper
 83 100
 55 70.0 57.8 86.6
 98 49.3 39.7 59.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

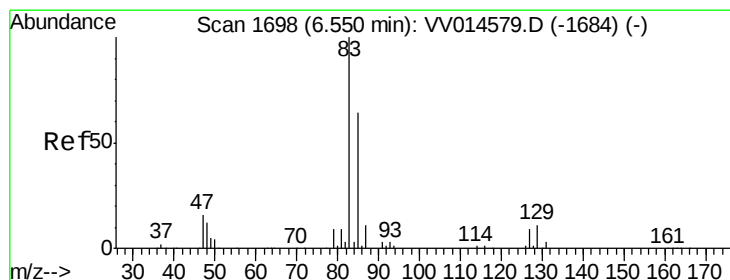
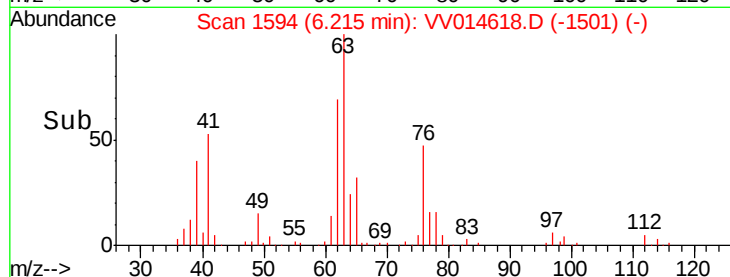
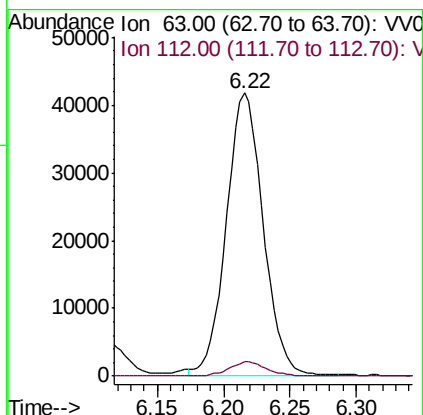
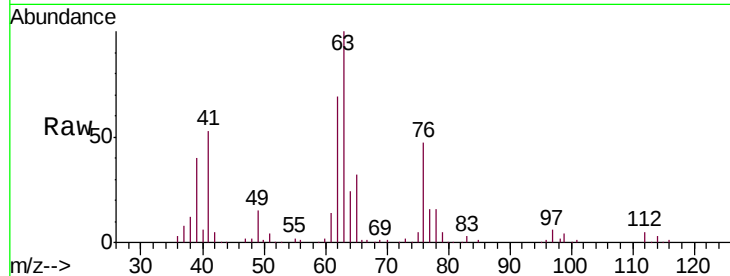




#37
 1,2-Dichloropropane
 Concen: 50.178 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

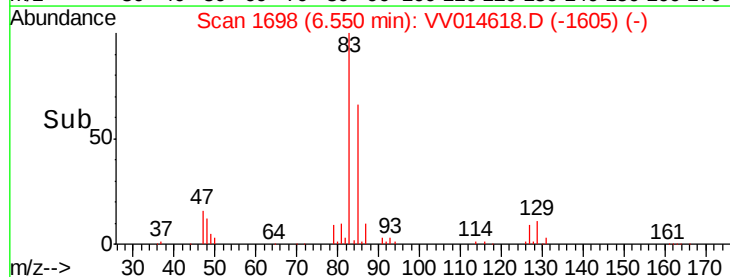
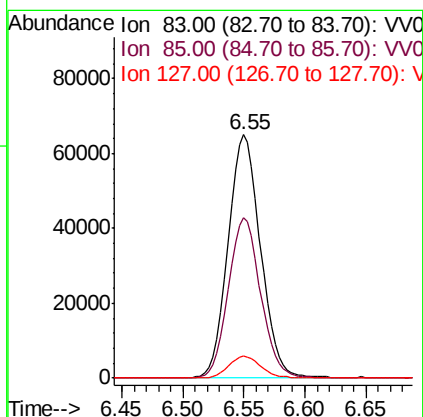
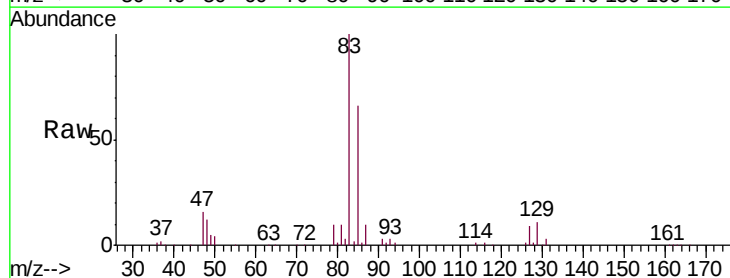
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

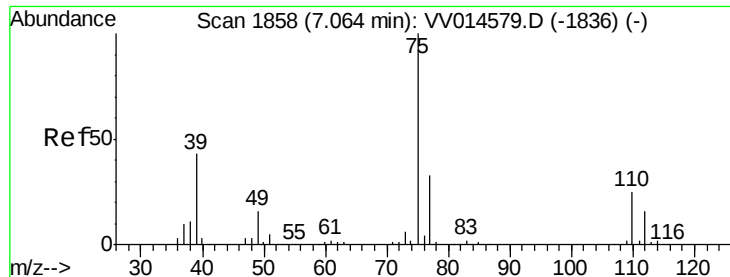
Tgt Ion: 63 Resp: 80497
 Ion Ratio Lower Upper
 63 100
 112 5.1 4.1 6.1



#38
 Bromodichloromethane
 Concen: 51.431 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Tgt Ion: 83 Resp: 120984
 Ion Ratio Lower Upper
 83 100
 85 65.8 47.3 87.8
 127 9.1 7.5 11.3

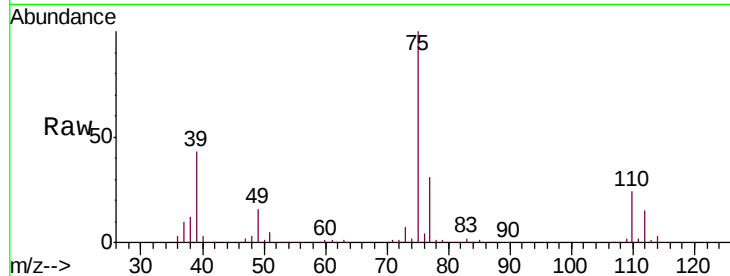




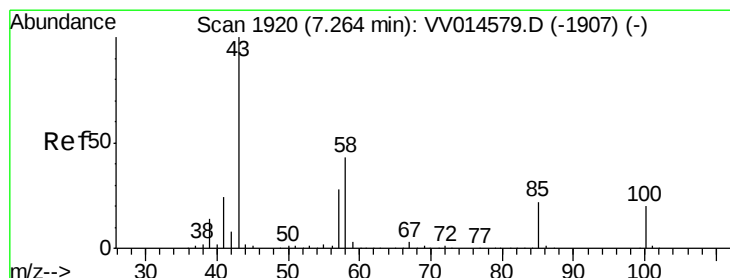
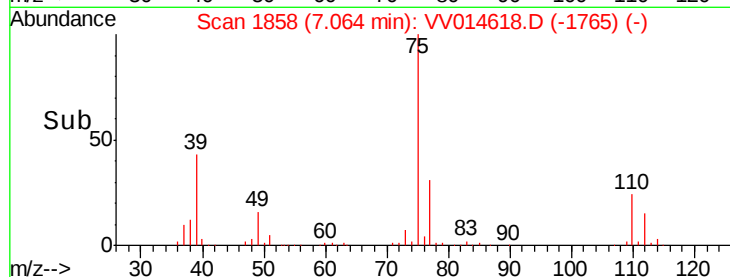
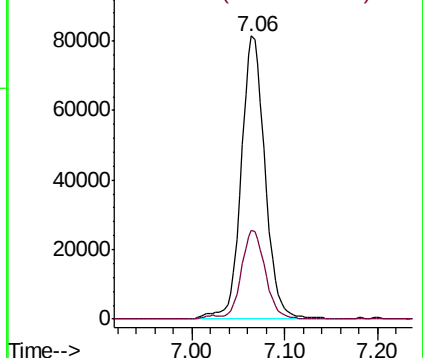
#39
 cis-1,3-Dichloropropene
 Concen: 51.427 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

Tgt Ion: 75 Resp: 145646
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.7 40.3

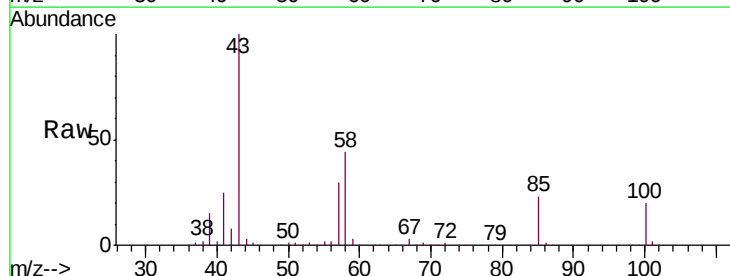


Abundance Ion 75.00 (74.70 to 75.70): VV014579.D (-1836) (-)
 Ion 77.00 (76.70 to 77.70): VV014579.D (-1836) (-)

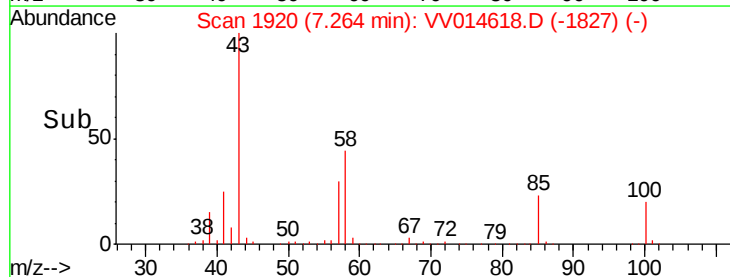
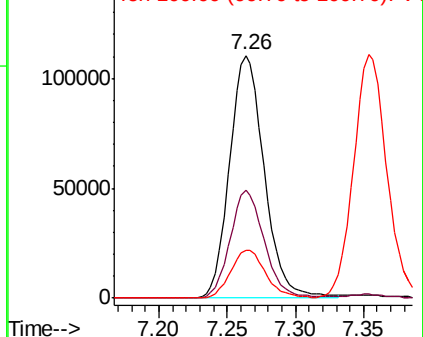


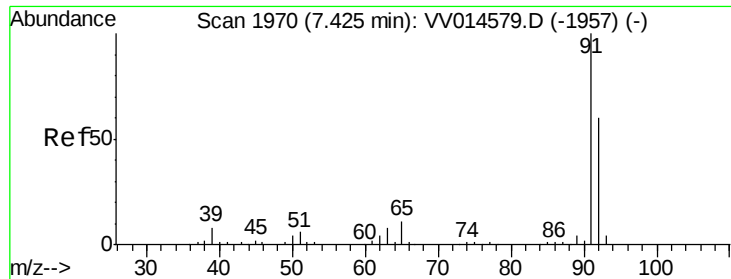
#40
 4-Methyl-2-pentanone
 Concen: 98.604 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Tgt Ion: 43 Resp: 195395
 Ion Ratio Lower Upper
 43 100
 58 43.9 35.0 52.6
 100 19.9 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VV014579.D (-1907) (-)
 Ion 58.00 (57.70 to 58.70): VV014579.D (-1907) (-)
 Ion 100.00 (99.70 to 100.70): VV014579.D (-1907) (-)





#42

Toluene

Concen: 50.913 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

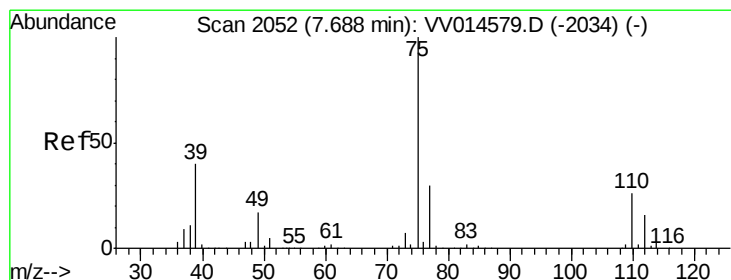
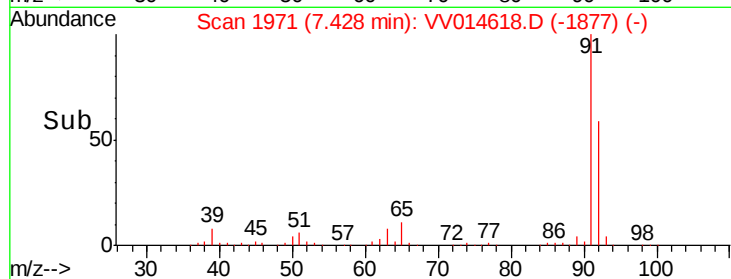
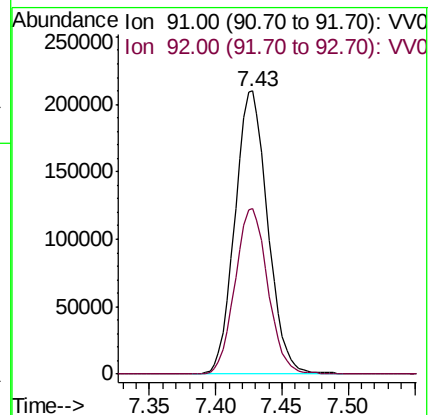
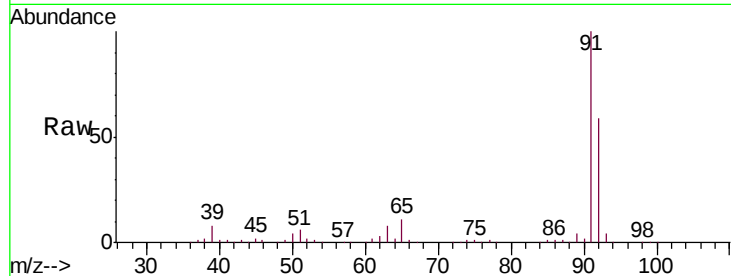
BFB93

Tgt Ion: 91 Resp: 360704

Ion Ratio Lower Upper

91 100

92 58.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 51.576 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014618.D

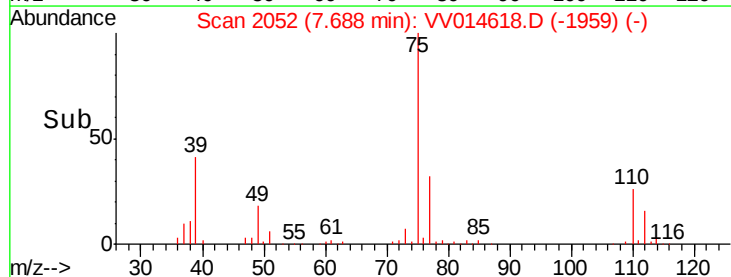
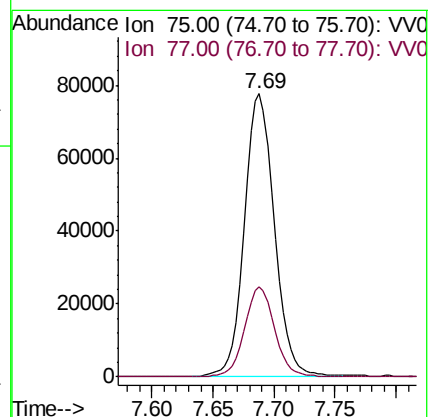
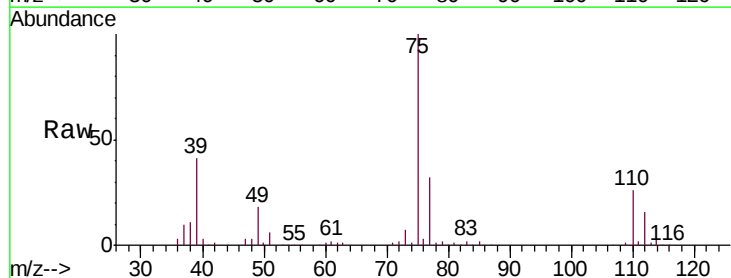
Acq: 20 Feb 2020 12:26

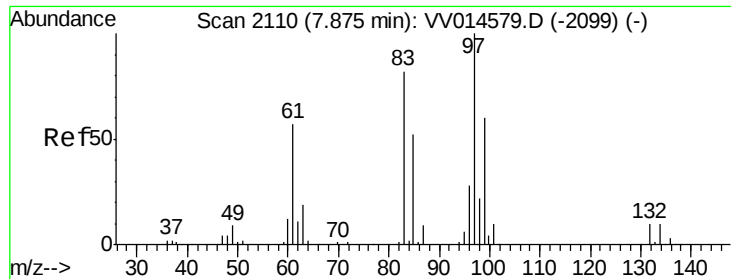
Tgt Ion: 75 Resp: 131915

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3

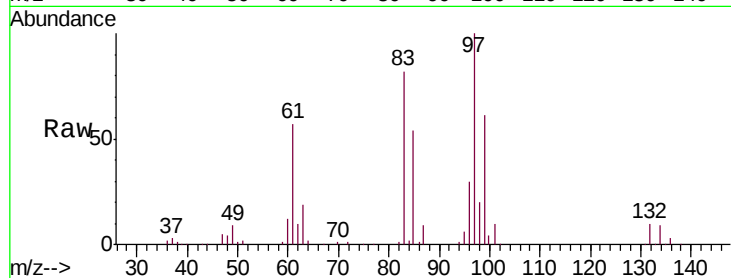




#45
 1,1,2-Trichloroethane
 Concen: 52.198 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

Tgt Ion:	97	Resp:	86498
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.9	83.3
83	82.4	57.5	106.7
85	53.6	37.5	69.7



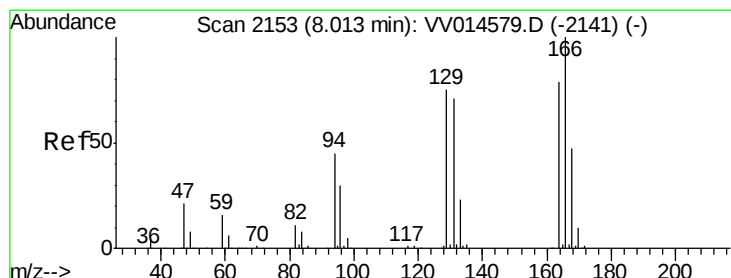
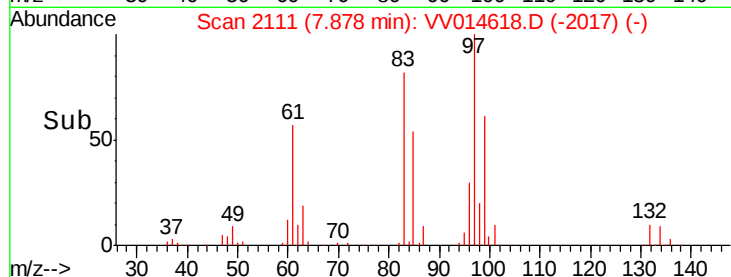
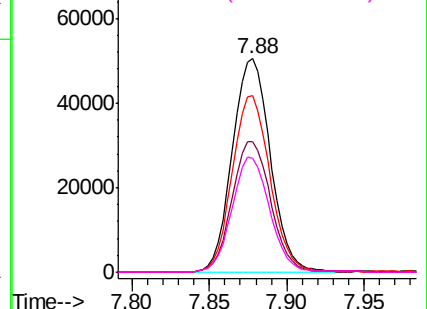
Abundance

Ion 97.00 (96.70 to 97.70): VV014579.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV014579.D (-2099) (-)

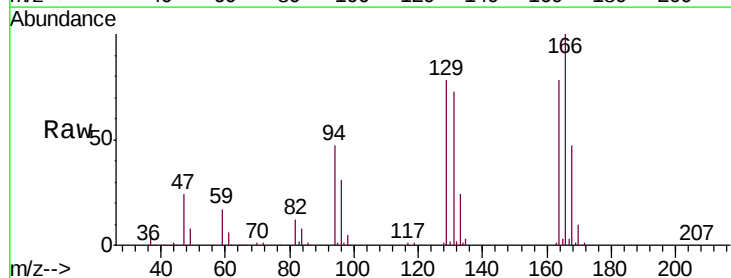
Ion 83.00 (82.70 to 83.70): VV014579.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV014579.D (-2099) (-)



#46
 Tetrachloroethene
 Concen: 51.442 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Tgt Ion:	164	Resp:	70920
Ion	Ratio	Lower	Upper
164	100		
129	99.7	67.8	126.0
131	93.5	64.5	119.9
166	127.7	88.6	164.6



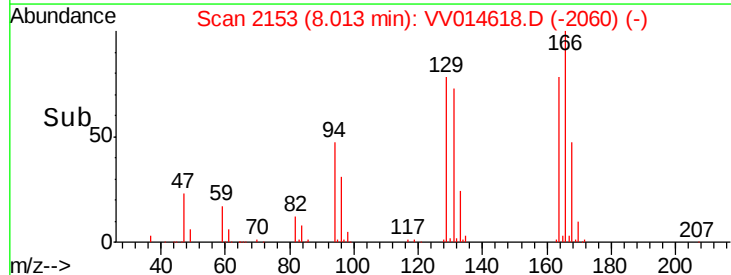
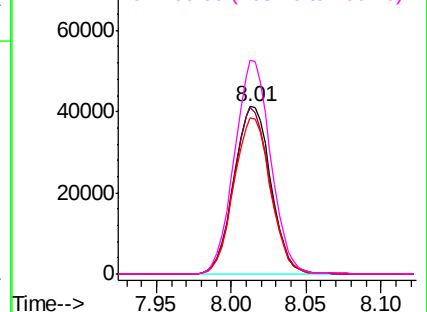
Abundance

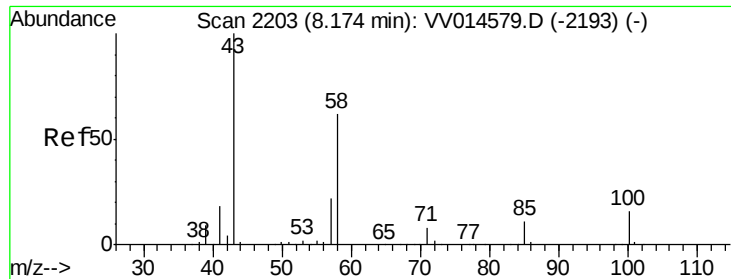
Ion 164.00 (163.70 to 164.70): VV014579.D (-2141) (-)

Ion 129.00 (128.70 to 129.70): VV014579.D (-2141) (-)

Ion 131.00 (130.70 to 131.70): VV014579.D (-2141) (-)

Ion 166.00 (165.70 to 166.70): VV014579.D (-2141) (-)

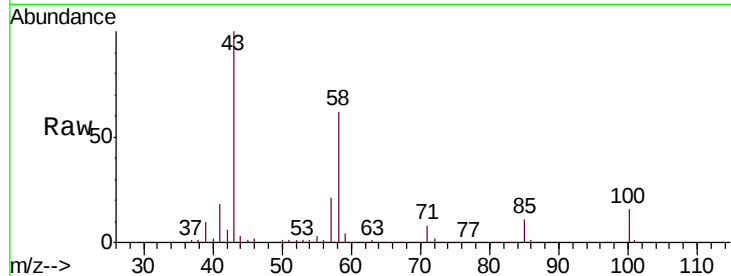




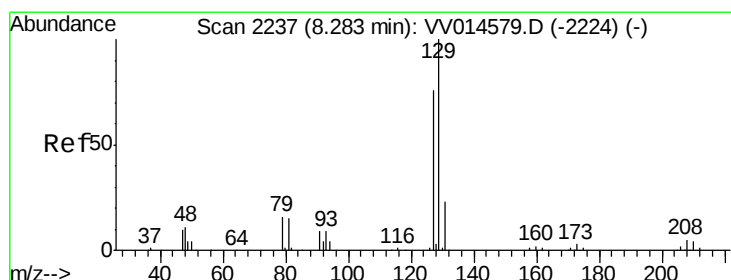
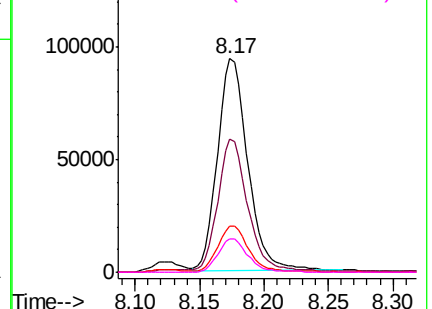
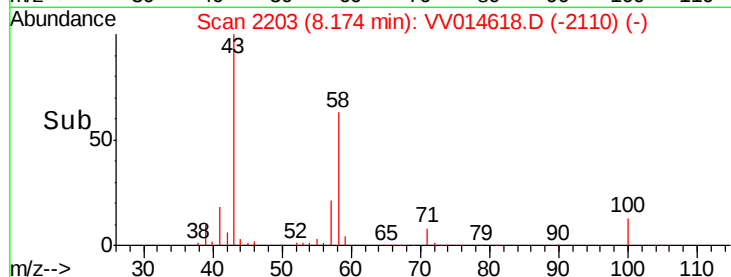
#48
2-Hexanone
Concen: 100.006 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Instrument :
MSVOA_V
ClientSampleId :
BFB93

Tgt Ion: 43 Resp: 154505
Ion Ratio Lower Upper
43 100
58 61.5 50.4 75.6
57 22.5 17.8 26.6
100 15.8 12.6 19.0

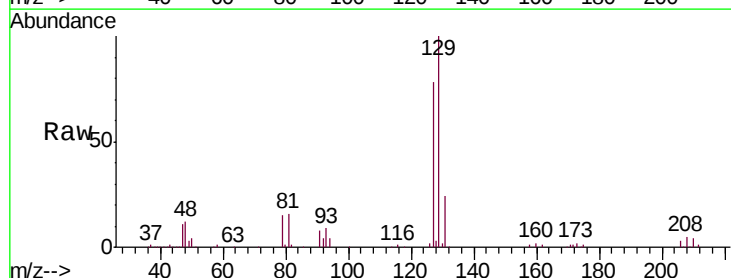


Abundance Ion 43.00 (42.70 to 43.70): VV014618.D (-2110) (-)
Ion 58.00 (57.70 to 58.70): VV014618.D (-2110) (-)
Ion 57.00 (56.70 to 57.70): VV014618.D (-2110) (-)
Ion 100.00 (99.70 to 100.70): VV014618.D (-2110) (-)

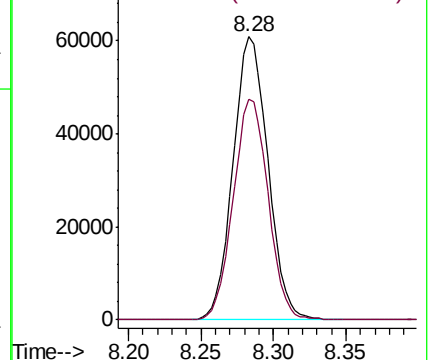
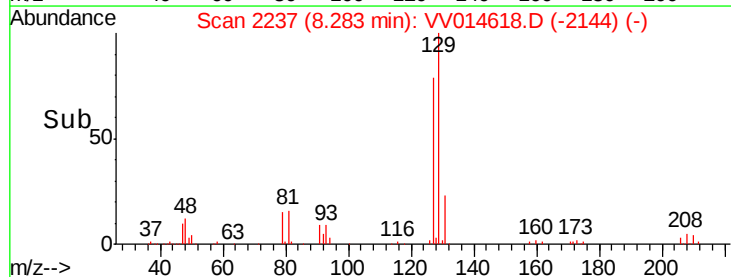


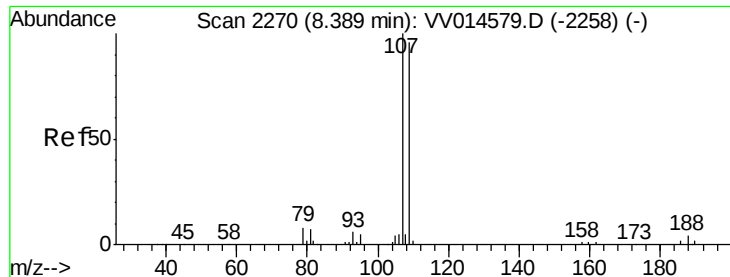
#49
Dibromochloromethane
Concen: 51.480 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Tgt Ion: 129 Resp: 101673
Ion Ratio Lower Upper
129 100
127 78.2 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VV014618.D (-2144) (-)
Ion 127.00 (126.70 to 127.70): VV014618.D (-2144) (-)

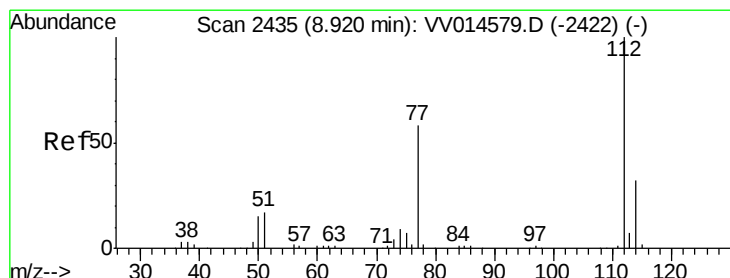
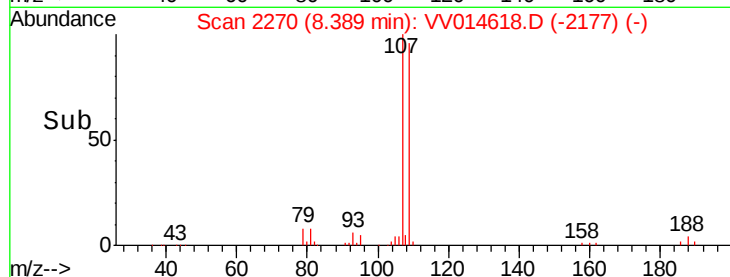
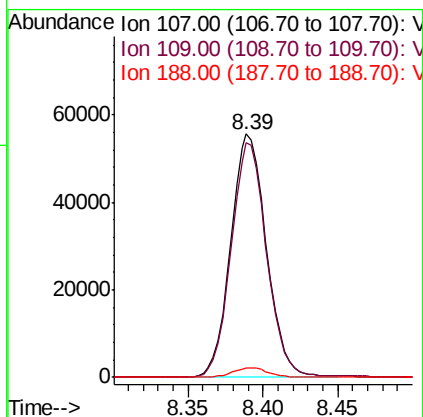
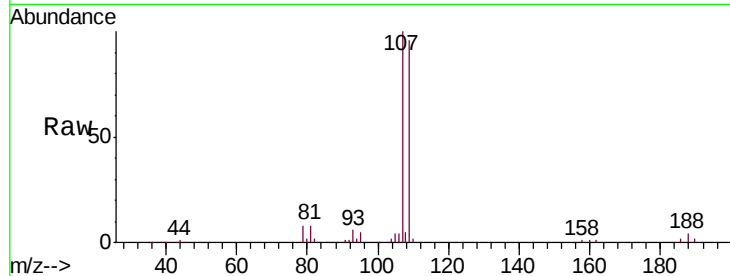




#50
1,2-Dibromoethane
Concen: 51.552 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

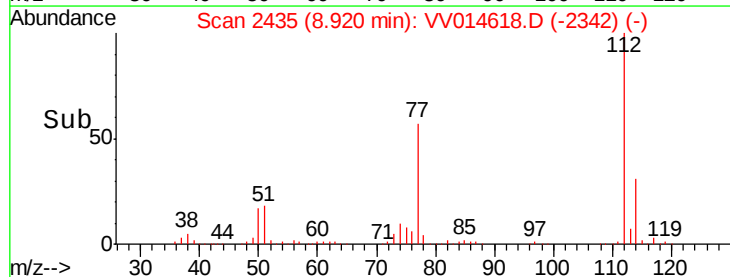
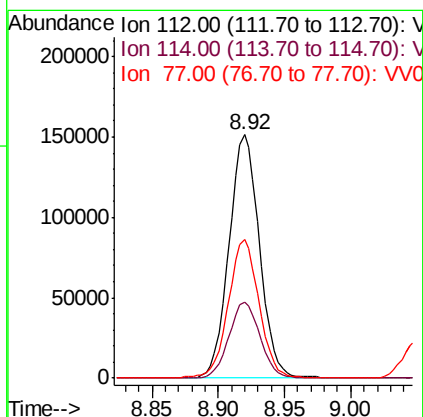
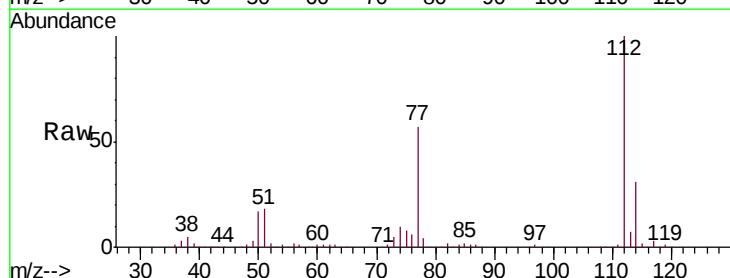
Instrument :
MSVOA_V
ClientSampleId :
BFB93

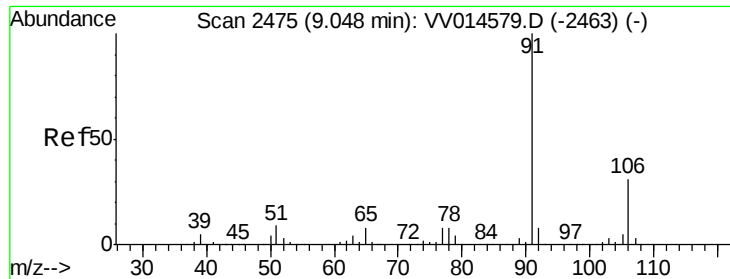
Tgt Ion:107 Resp: 92434
Ion Ratio Lower Upper
107 100
109 96.1 66.1 122.8
188 3.7 3.0 4.6



#51
Chlorobenzene
Concen: 51.007 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Tgt Ion:112 Resp: 241592
Ion Ratio Lower Upper
112 100
114 31.4 22.3 41.3
77 56.8 45.3 67.9





#52

Ethylbenzene

Concen: 51.088 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

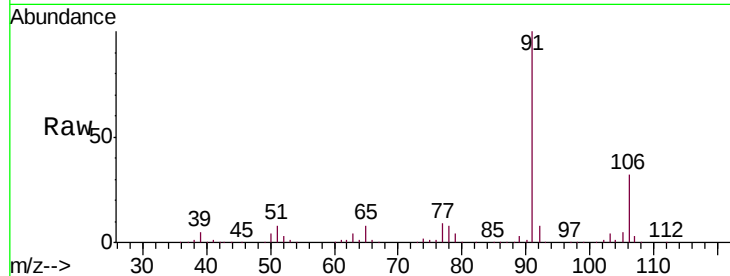
BFB93

Tgt Ion: 91 Resp: 410565

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV014579.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV014579.D (-2463) (-)

9.05

250000

200000

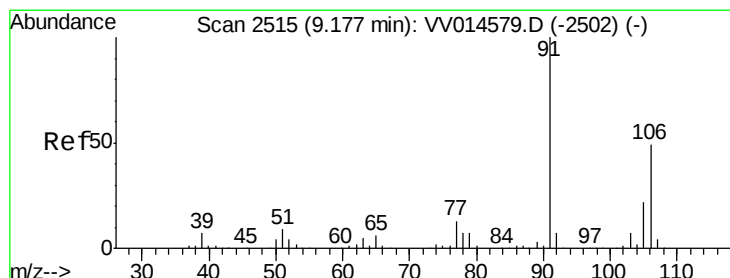
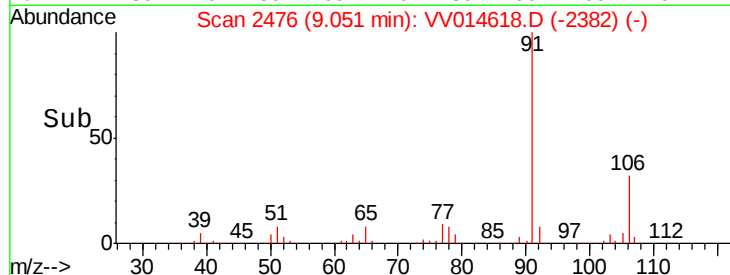
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-Xylene

Concen: 50.461 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014618.D

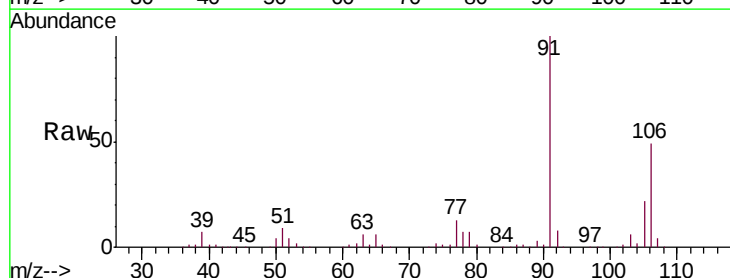
Acq: 20 Feb 2020 12:26

Tgt Ion: 106 Resp: 158322

Ion Ratio Lower Upper

106 100

91 204.3 142.4 264.4



Abundance Ion 106.00 (105.70 to 106.70): VV014579.D (-2502) (-)

Ion 91.00 (90.70 to 91.70): VV014579.D (-2502) (-)

9.18

200000

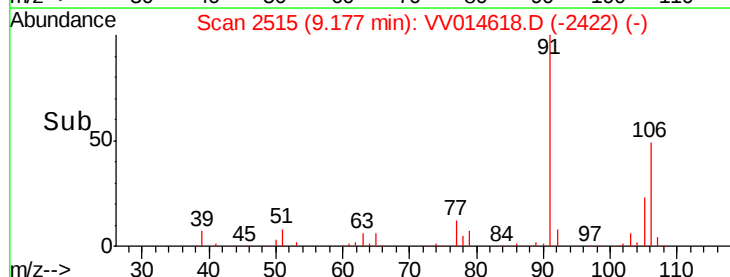
150000

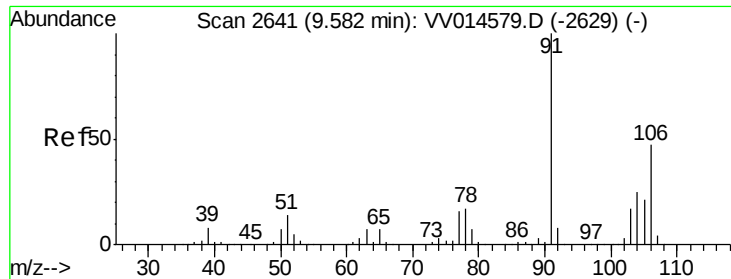
100000

50000

0

Time--> 9.10 9.15 9.20 9.25

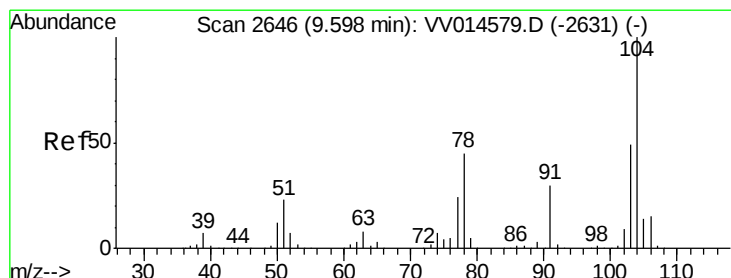
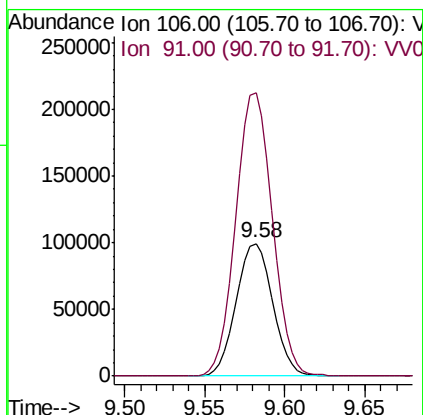
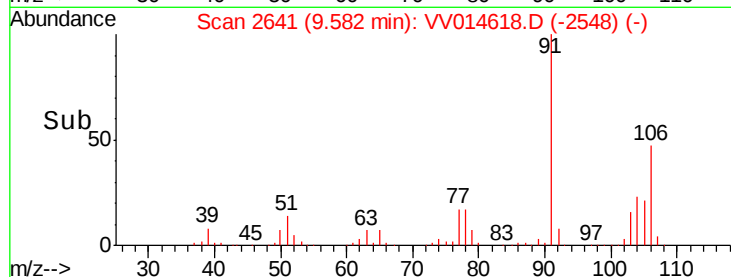
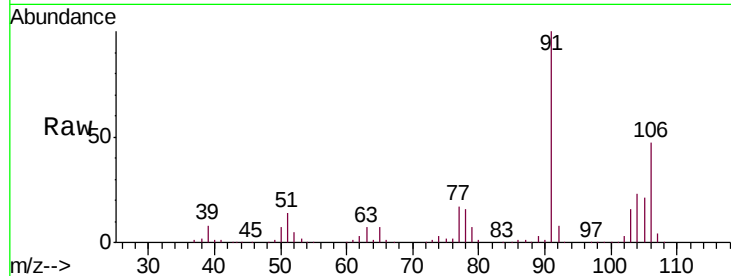




#54
o-xylene
Concen: 51.718 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

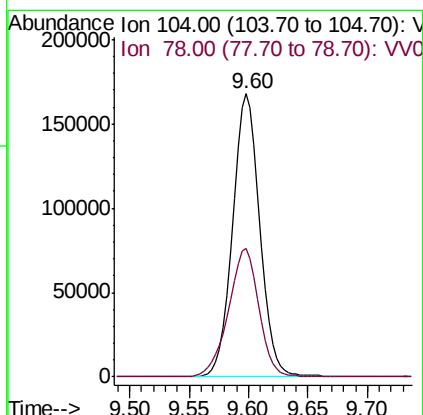
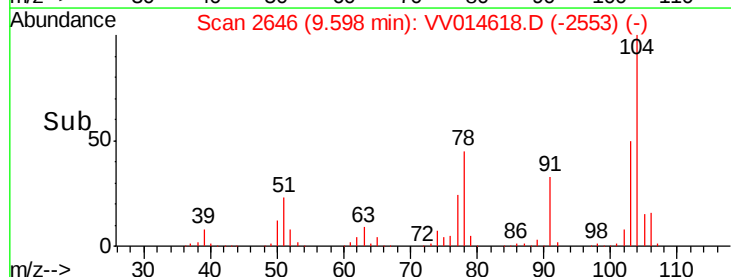
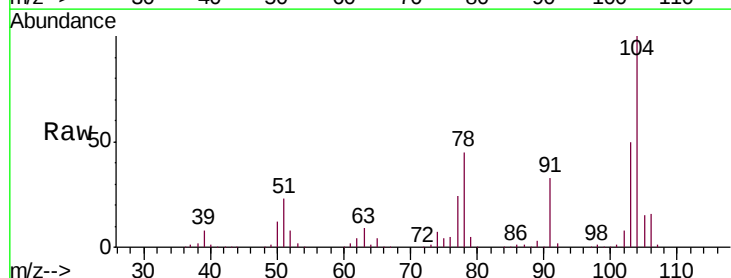
Instrument :
MSVOA_V
ClientSampleID :
BFB93

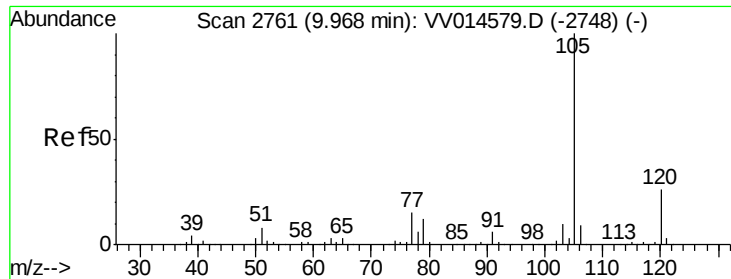
Tgt Ion:106 Resp: 155097
Ion Ratio Lower Upper
106 100
91 212.9 150.5 279.5



#55
Styrene
Concen: 51.508 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Tgt Ion:104 Resp: 265418
Ion Ratio Lower Upper
104 100
78 45.4 31.9 59.2





#56

Isopropylbenzene

Concen: 51.826 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

BFB93

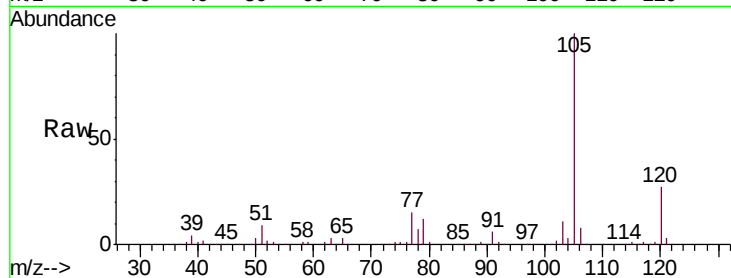
Tgt Ion: 105 Resp: 413407

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

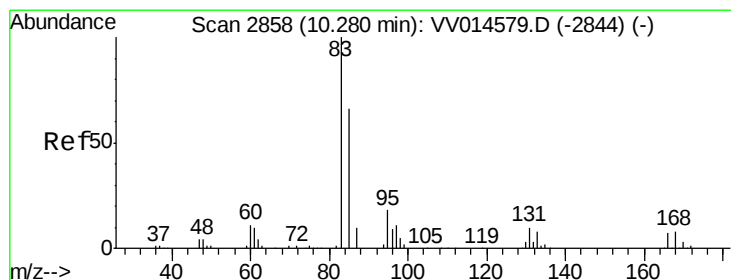
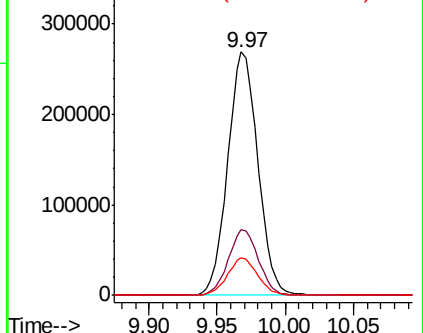
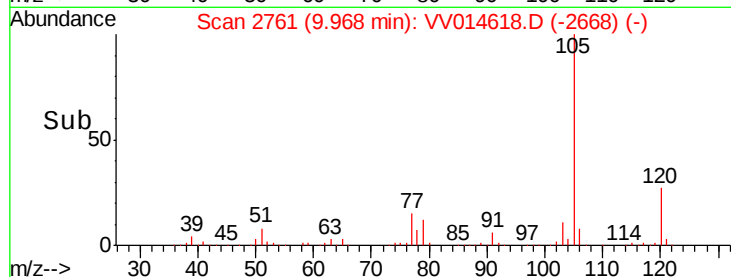
77 15.4 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.393 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

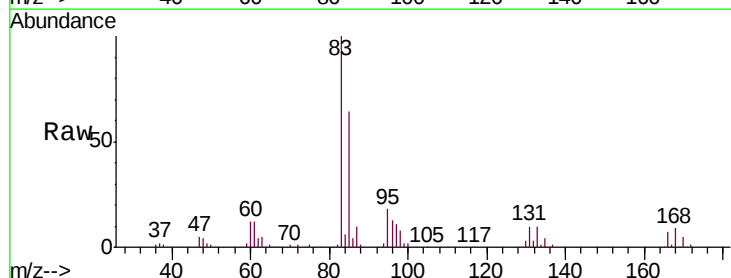
Tgt Ion: 83 Resp: 134546

Ion Ratio Lower Upper

83 100

85 64.5 45.7 84.9

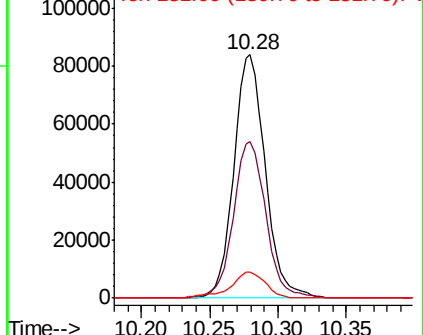
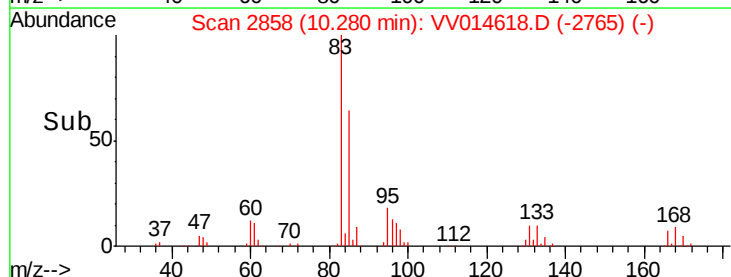
131 10.4 8.2 12.4

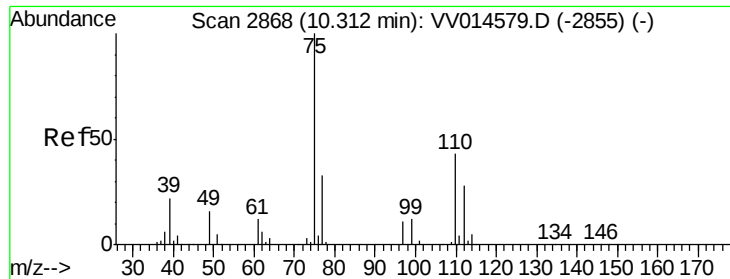


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.902 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

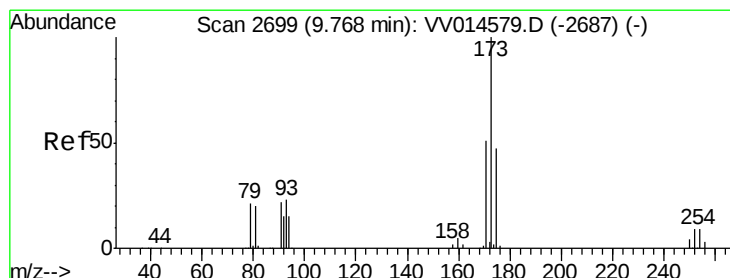
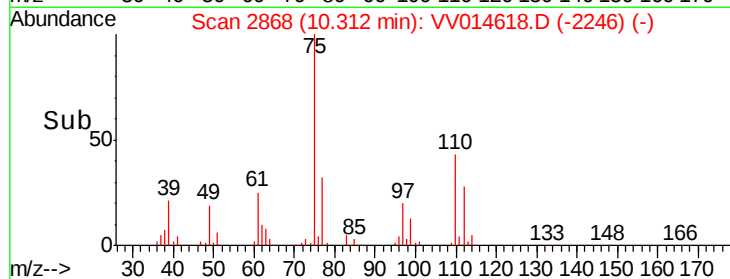
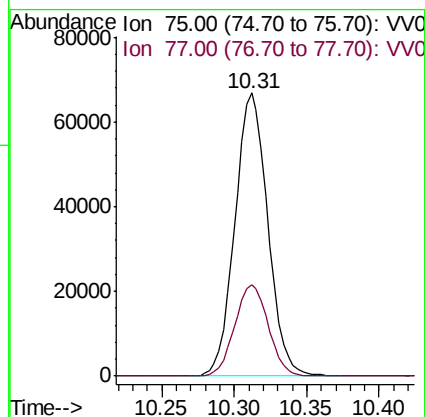
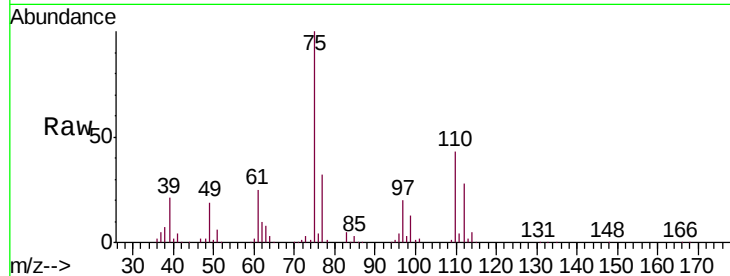
BFB93

Tgt Ion: 75 Resp: 105087

Ion Ratio Lower Upper

75 100

77 33.1 25.9 38.9



#61

Bromoform

Concen: 50.514 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

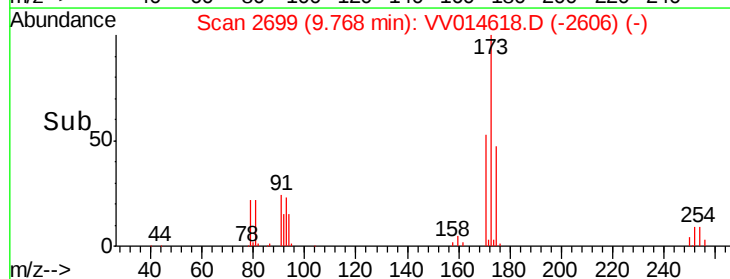
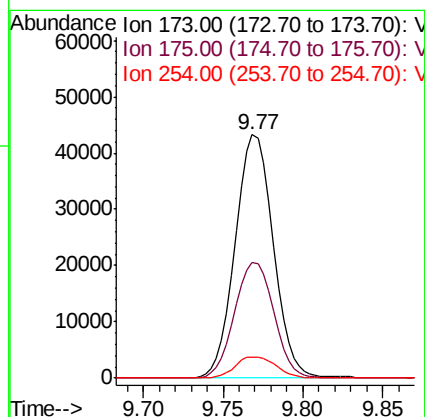
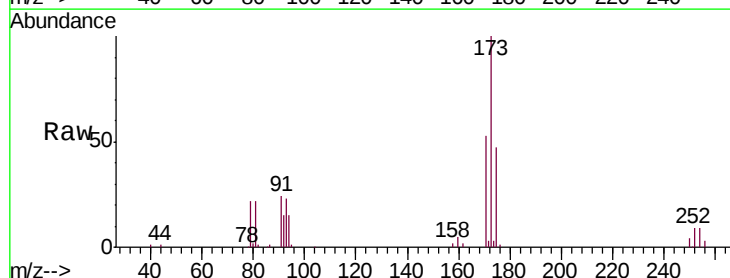
Tgt Ion: 173 Resp: 70237

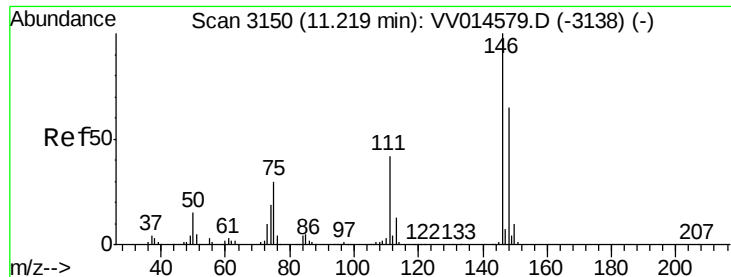
Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

254 9.3 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 51.423 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

Instrument :

MSVOA_V

ClientSampleId :

BFB93

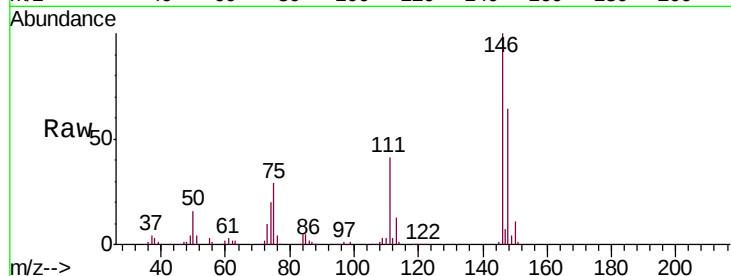
Tgt Ion:146 Resp: 199789

Ion Ratio Lower Upper

146 100

111 41.5 29.4 54.6

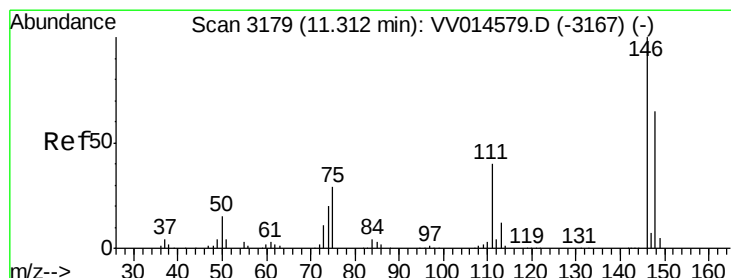
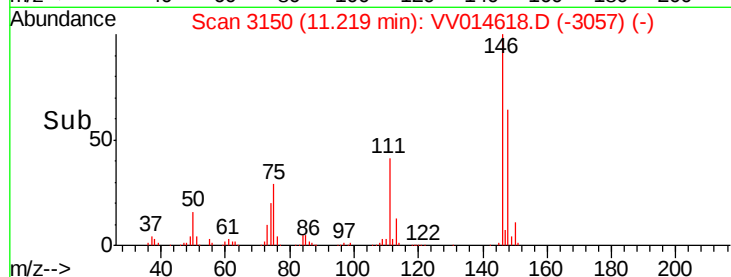
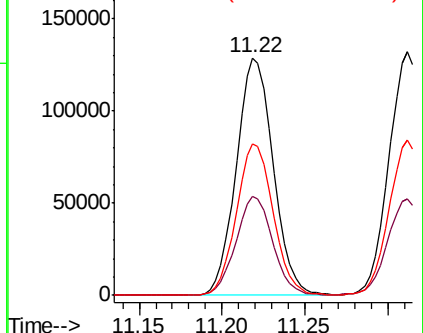
148 63.9 43.6 81.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.655 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014618.D

Acq: 20 Feb 2020 12:26

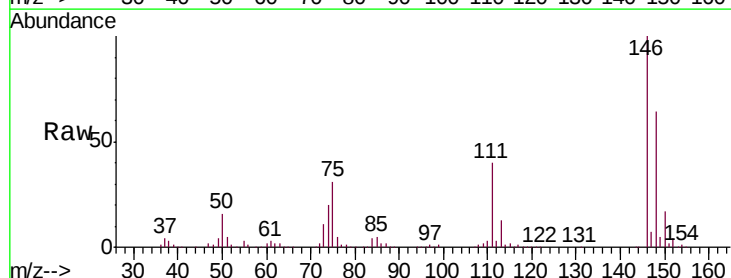
Tgt Ion:146 Resp: 200599

Ion Ratio Lower Upper

146 100

111 39.8 27.7 51.5

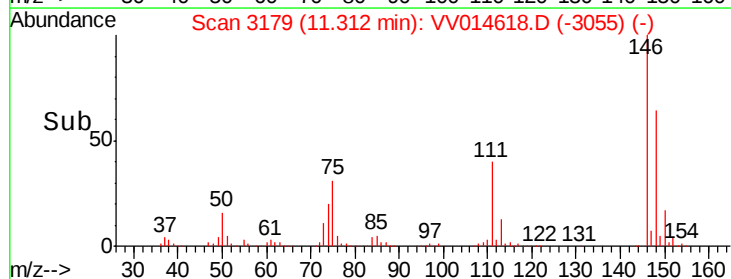
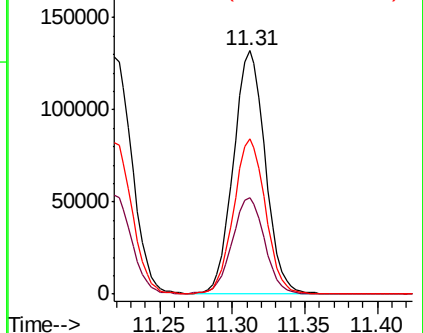
148 63.8 44.1 81.9

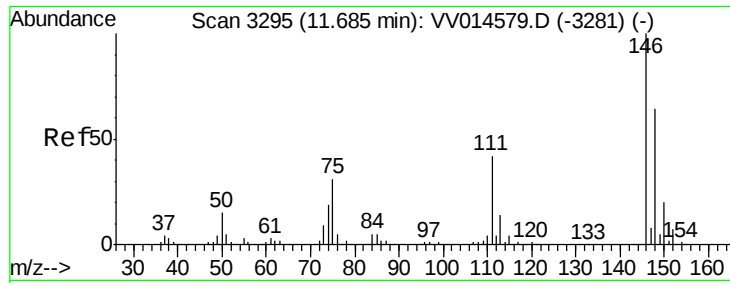


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

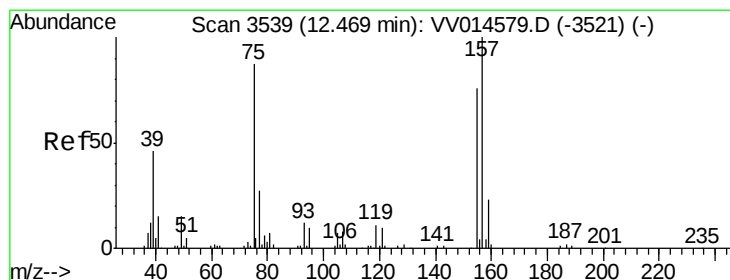
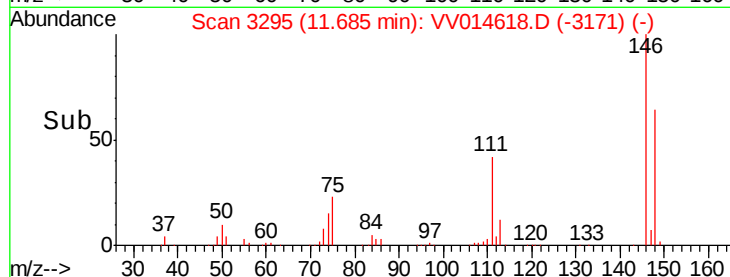
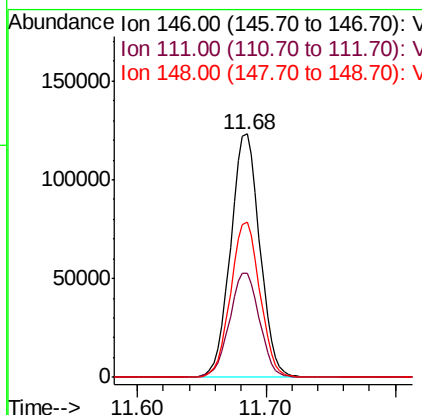
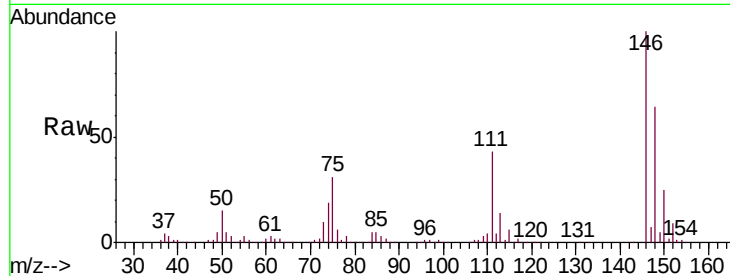




#65
 1,2-Dichlorobenzene
 Concen: 50.805 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

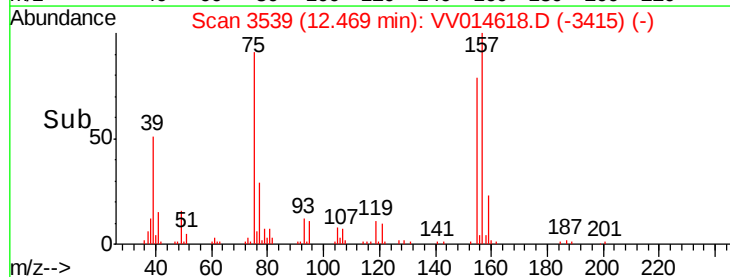
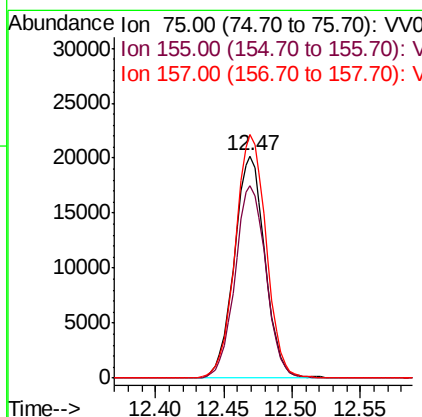
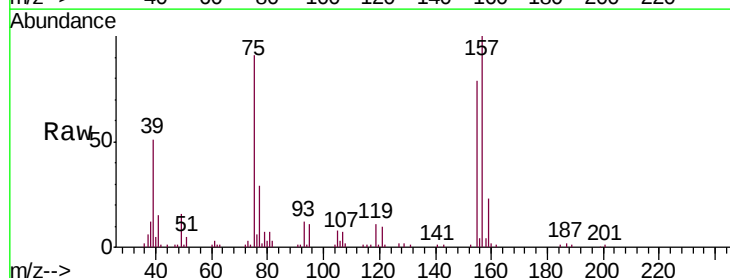
Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

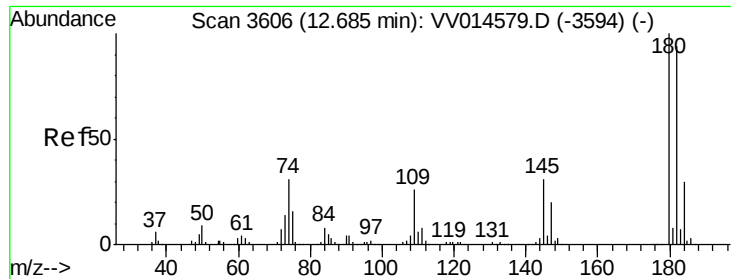
Tgt Ion: 146 Resp: 193895
 Ion Ratio Lower Upper
 146 100
 111 42.5 34.6 52.0
 148 63.6 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.496 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Tgt Ion: 75 Resp: 31394
 Ion Ratio Lower Upper
 75 100
 155 86.3 72.9 109.3
 157 109.5 93.0 139.4

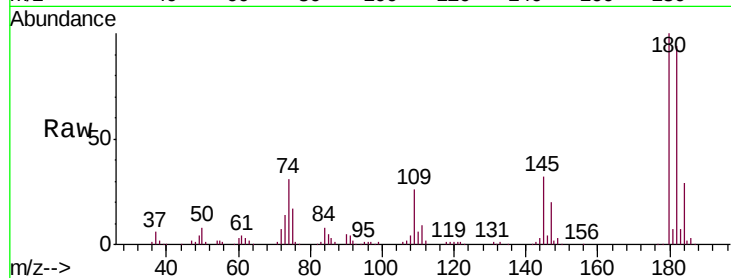




#67
 1,3,5-Trichlorobenzene
 Concen: 54.013 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BFB93

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.2	115.8
184	29.7	24.5	36.7
145	32.1	25.3	37.9



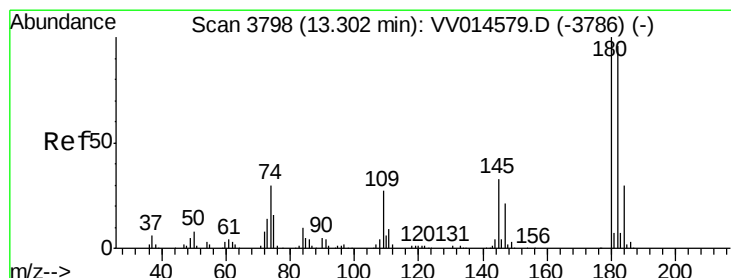
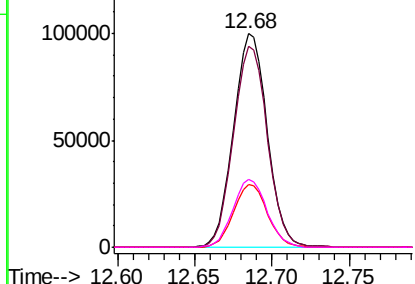
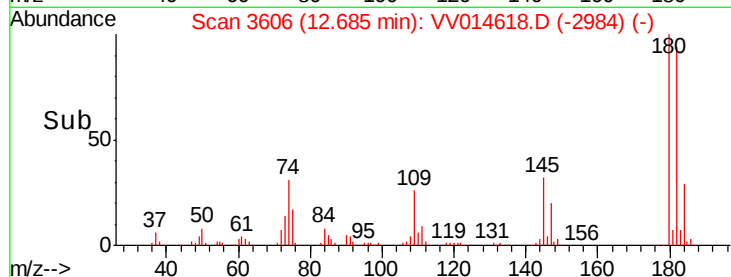
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

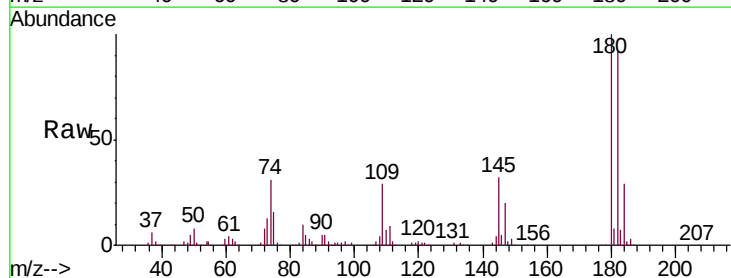
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.637 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014618.D
 Acq: 20 Feb 2020 12:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.2	114.2
145	32.1	25.8	38.6

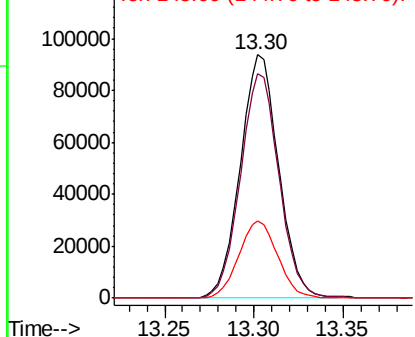
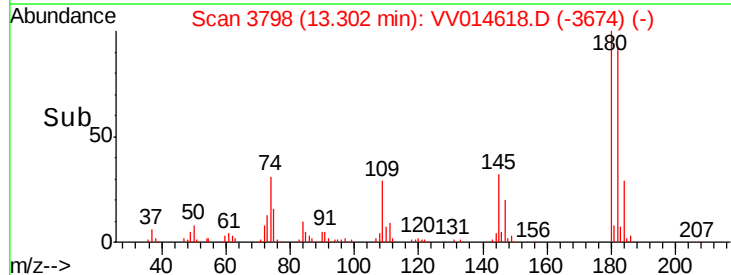


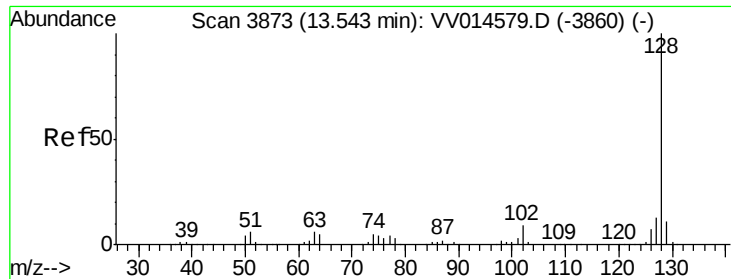
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

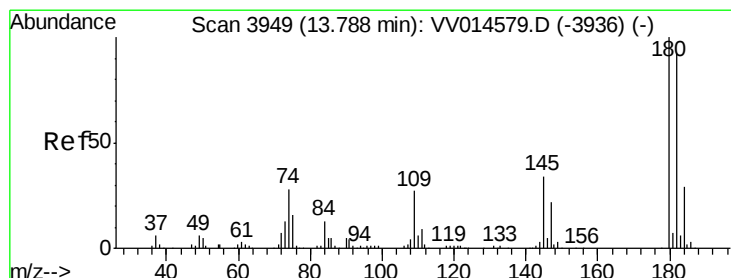
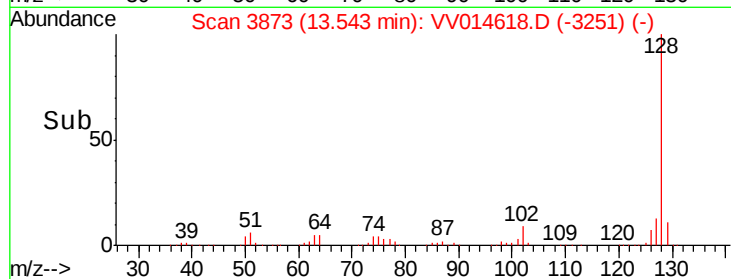
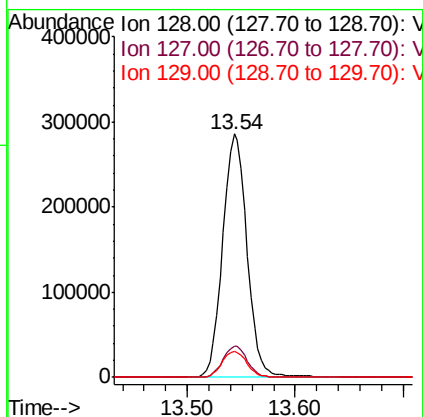
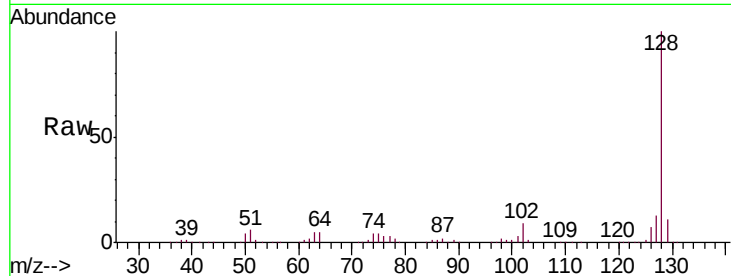




#69
Naphthalene
Concen: 54.823 ug/L
RT: 13.54 min Scan# 3873
Delta R.T. -0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Instrument :
MSVOA_V
ClientSampleId :
BFB93

Tgt Ion:128 Resp: 449797
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0



#70
1,2,3-Trichlorobenzene
Concen: 55.932 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014618.D
Acq: 20 Feb 2020 12:26

Tgt Ion:180 Resp: 139513
Ion Ratio Lower Upper
180 100
182 95.4 75.2 112.8
145 35.0 27.1 40.7

