

Data File : VV014451.D
Acq On : 31 Jan 2020 14:12
Operator : SY/MD
Sample : VSTD00565
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Quant Time: Feb 01 01:41:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 01:38:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	423367	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	398715	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	189506	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11602	4.75	ug/L	0.00
7) Chloroethane-d5	1.59	69	7232	3.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	15756	3.16	ug/L	0.00
21) 2-Butanone-d5	3.95	46	10834	6.44	ug/L	0.02
24) Chloroform-d	4.40	84	22985	4.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14046	4.37	ug/L	0.00
32) Benzene-d6	5.10	84	49100	4.73	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	15294	4.85	ug/L	0.00
41) Toluene-d8	7.36	98	45354	4.79	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	7951	5.15	ug/L	0.00
47) 2-Hexanone-d5	8.16	63	10535	8.88	ug/L	0.03
57) 1,1,2,2-Tetrachloroethane-	10.26	84	20274	4.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	17012	4.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17502	4.659 ug/L	98
3) Chloromethane	1.26	50	18735	5.289 ug/L	96
5) Vinyl chloride	1.33	62	15128	4.316 ug/L	96
6) Bromomethane	1.54	94	4758	2.434 ug/L	95
8) Chloroethane	1.60	64	6819	3.105 ug/L	97
9) Trichlorofluoromethane	1.78	101	16892	3.245 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8085	2.787 ug/L	96
12) 1,1-Dichloroethene	2.15	96	8737	3.109 ug/L	90
13) Acetone	2.19	43	16132	7.045 ug/L	93
14) Carbon disulfide	2.32	76	38692	4.726 ug/L	100
15) Methyl Acetate	2.46	43	11990	3.933 ug/L	99
16) Methylene chloride	2.54	84	16101	5.026 ug/L	96
17) trans-1,2-Dichloroethene	2.80	96	13295	4.429 ug/L	91
18) Methyl tert-butyl Ether	2.80	73	41375	4.729 ug/L	99
19) 1,1-Dichloroethane	3.23	63	24177	4.447 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	14779	4.554 ug/L	96
22) 2-Butanone	4.03	43	12789	5.445 ug/L	96
23) Bromochloromethane	4.30	128	6716	3.827 ug/L	89
25) Chloroform	4.42	83	25216	4.393 ug/L	95
27) 1,2-Dichloroethane	5.18	62	16400	3.982 ug/L	96
29) Cyclohexane	4.73	56	23137	4.911 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	19541	4.115 ug/L	96
31) Carbon tetrachloride	4.88	117	17602	4.180 ug/L	99
33) Benzene	5.15	78	55965	4.707 ug/L	100
34) Trichloroethene	5.96	95	14520	4.598 ug/L	97
35) Methylcyclohexane	6.18	83	23160	4.803 ug/L	94
37) 1,2-Dichloropropane	6.22	63	13746	4.744 ug/L	99
38) Bromodichloromethane	6.55	83	18645	4.563 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	20832	4.490 ug/L	95
40) 4-Methyl-2-pentanone	7.30	43	30477	8.152 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	58749	4.775	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	19957	4.794	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	12942	4.532	ug/L	96
46) Tetrachloroethene	8.02	164	10547	3.842	ug/L	97
48) 2-Hexanone	8.20	43	22721	7.531	ug/L #	94
49) Dibromochloromethane	8.29	129	13865	4.036	ug/L	96
50) 1,2-Dibromoethane	8.40	107	14028	4.491	ug/L #	95
51) Chlorobenzene	8.92	112	38833	4.619	ug/L	99
52) Ethylbenzene	9.05	91	67494	4.960	ug/L	99
53) m,p-Xylene	9.18	106	24047	4.607	ug/L	94
54) o-xylene	9.59	106	25539	5.054	ug/L	95
55) Styrene	9.60	104	40044	4.629	ug/L	98
56) Isopropylbenzene	9.97	105	63434	4.763	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	20992	4.583	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	16734	4.410	ug/L	100
61) Bromoform	9.77	173	9077	3.972	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	28955	4.659	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	29799	4.641	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	29363	4.727	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	4575	5.159	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	18808	3.823	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	16373	3.654	ug/L	96
69) Naphthalene	13.55	128	46454	3.837	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	15846	3.454	ug/L	96

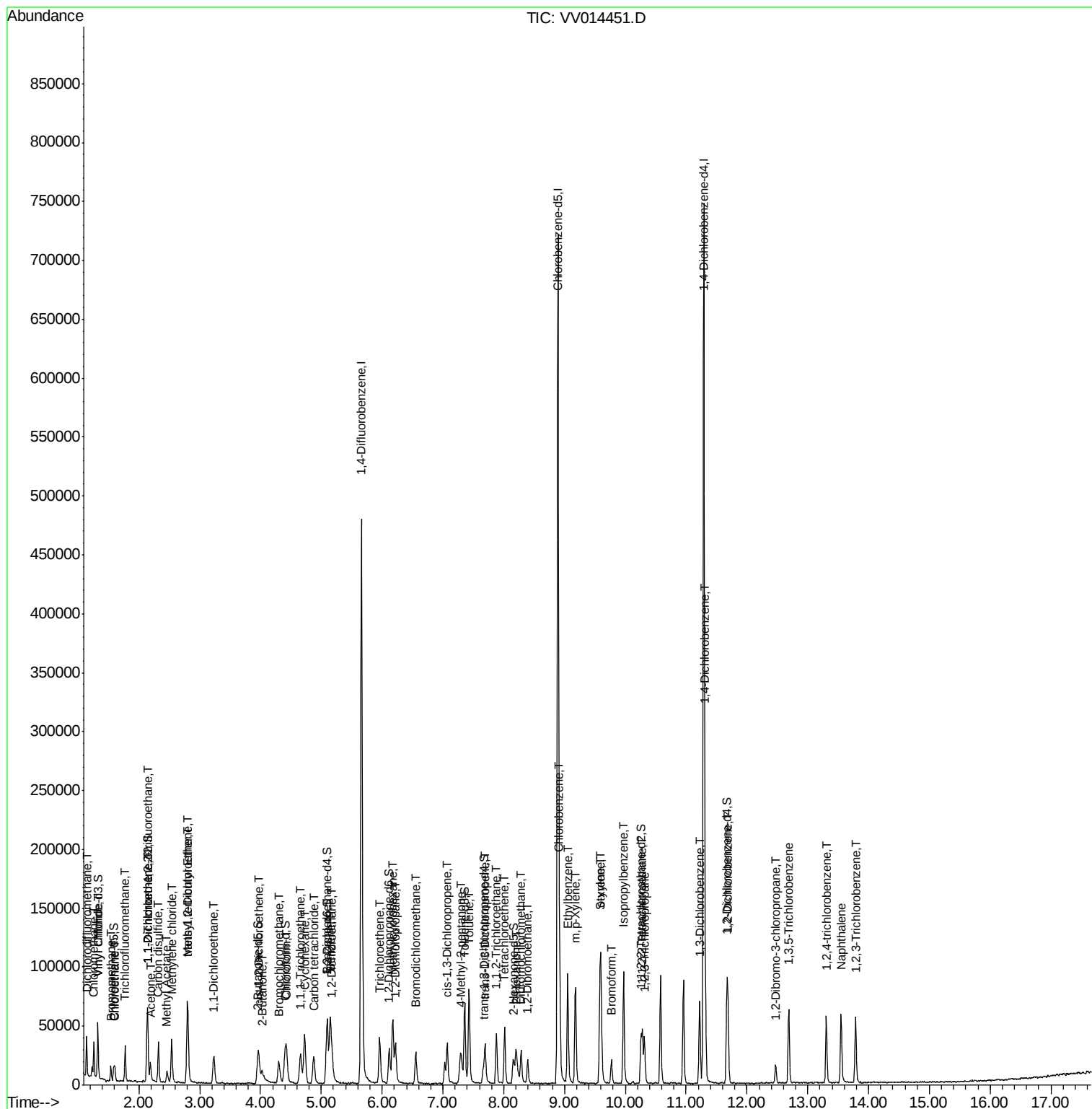
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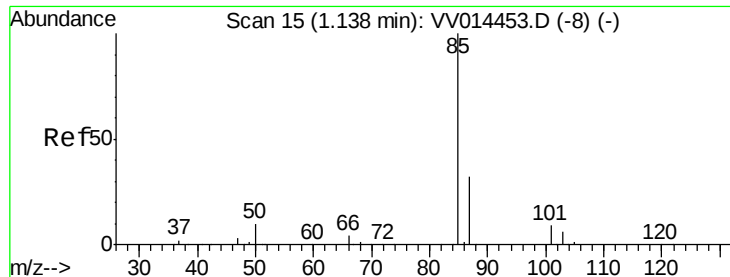
Data File : VV014451.D

```
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#2

Dichlorodifluoromethane

Concen: 4.659 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

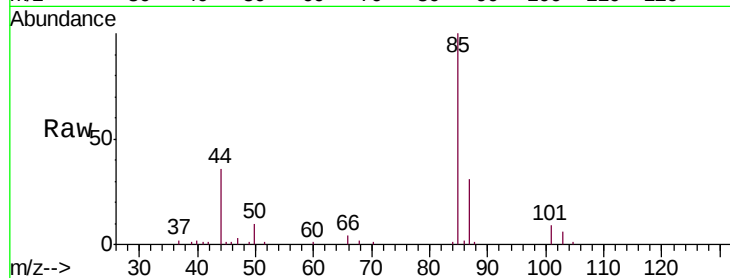
VSTD00565

Tgt Ion: 85 Resp: 17502

Ion Ratio Lower Upper

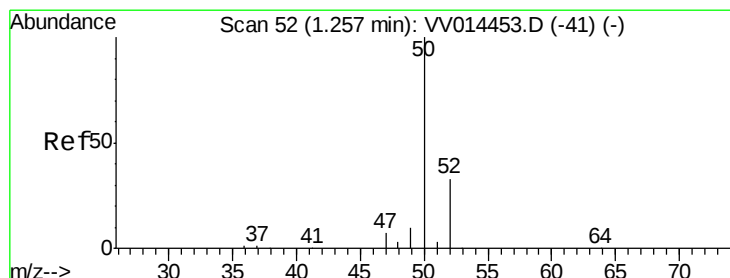
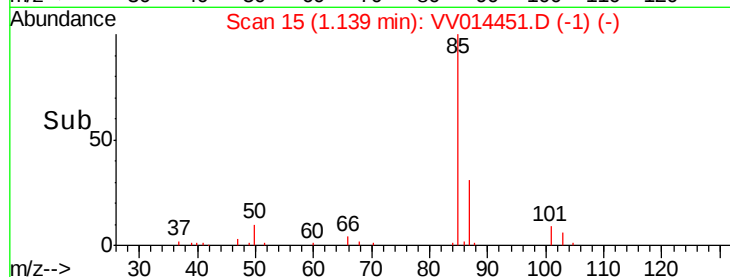
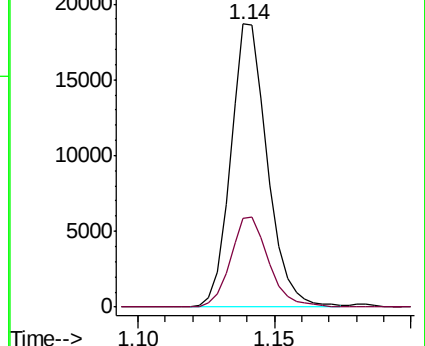
85 100

87 33.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.289 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014451.D

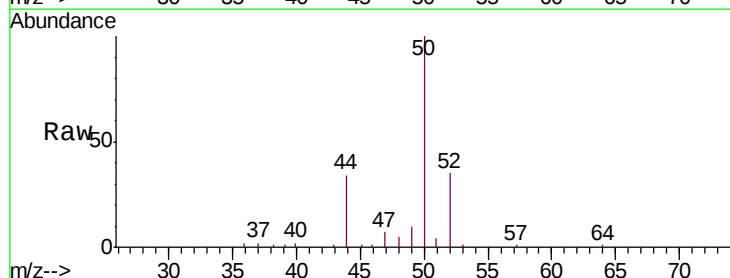
Acq: 31 Jan 2020 14:12

Tgt Ion: 50 Resp: 18735

Ion Ratio Lower Upper

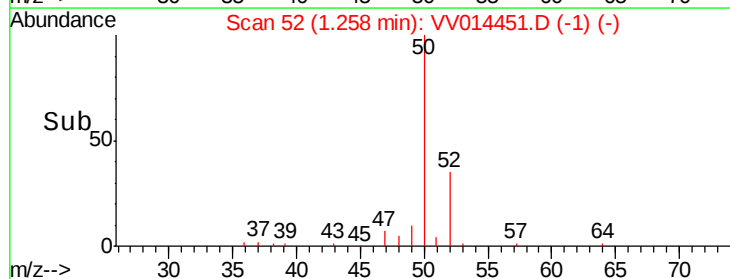
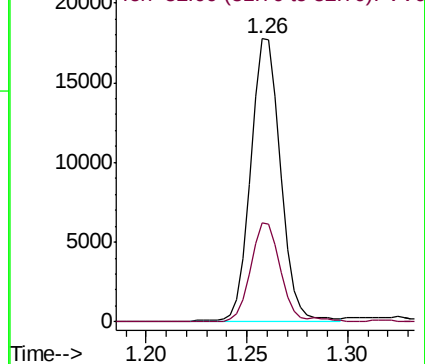
50 100

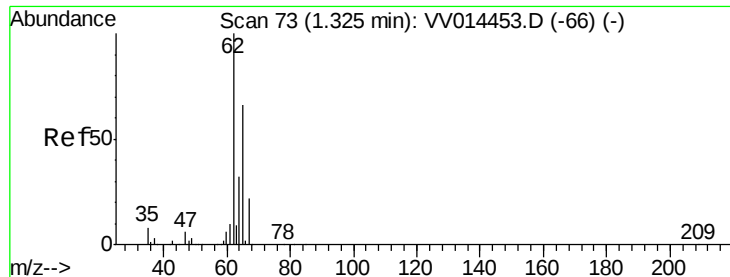
52 35.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 4.316 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

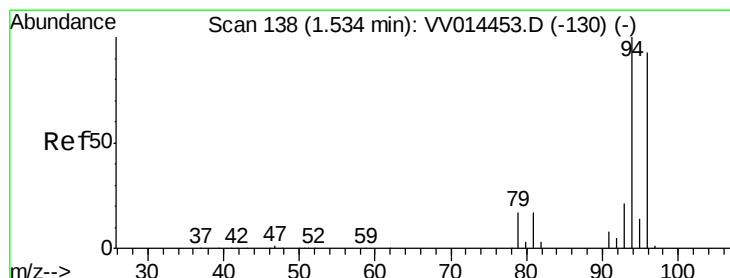
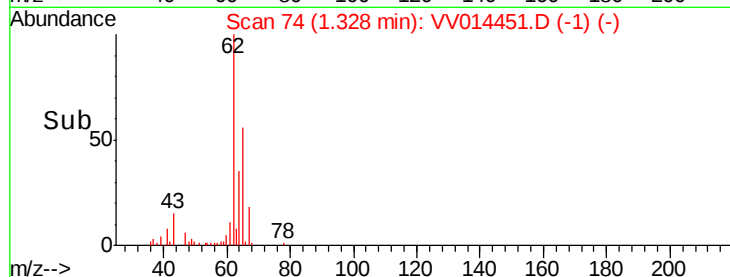
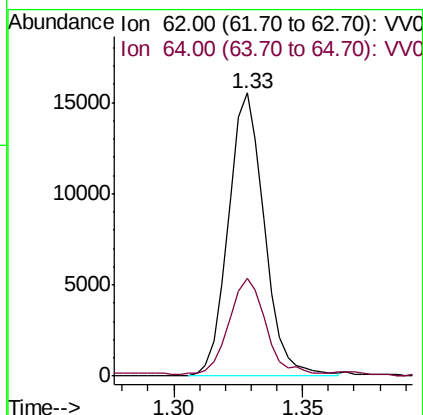
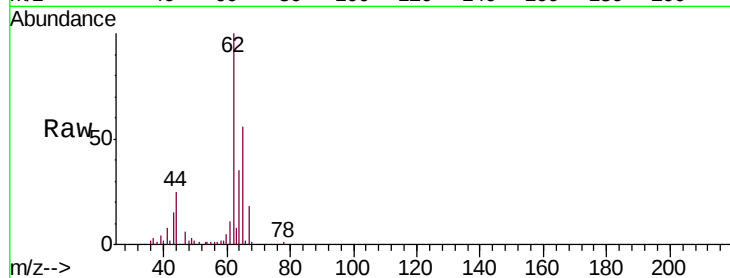
VSTD00565

Tgt Ion: 62 Resp: 15128

Ion Ratio Lower Upper

62 100

64 34.5 22.7 42.1



#6

Bromomethane

Concen: 2.434 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014451.D

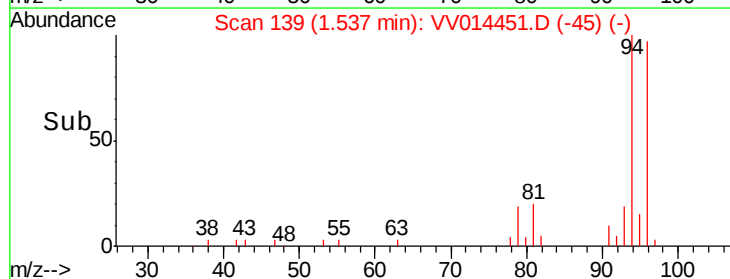
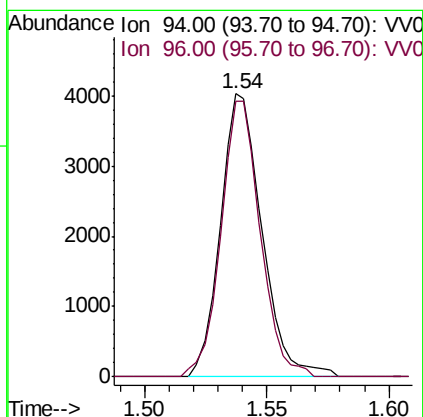
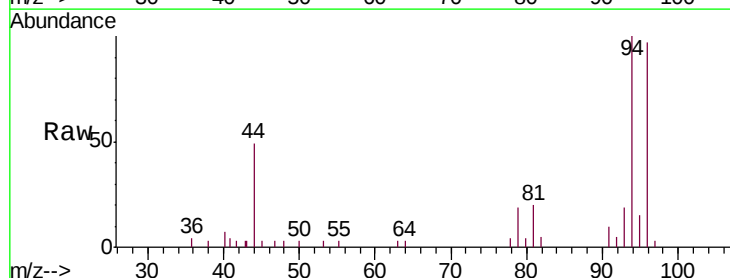
Acq: 31 Jan 2020 14:12

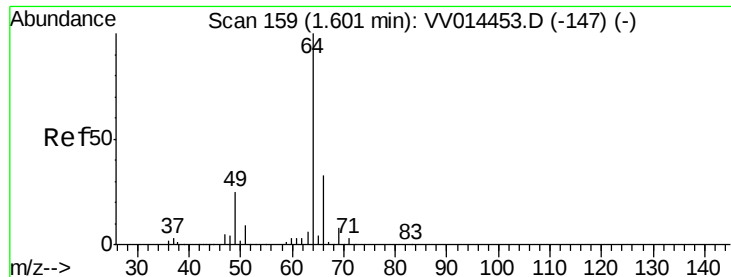
Tgt Ion: 94 Resp: 4758

Ion Ratio Lower Upper

94 100

96 97.4 65.0 120.8





#8

Chloroethane

Concen: 3.105 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

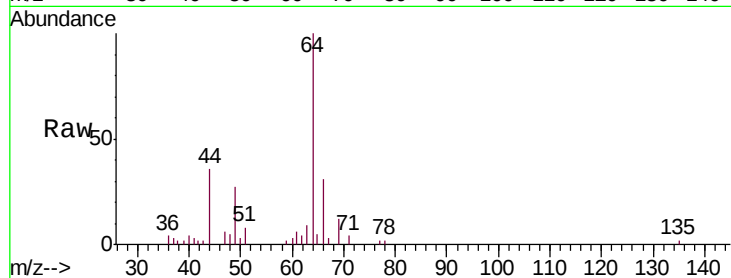
VSTD00565

Tgt Ion: 64 Resp: 6819

Ion Ratio Lower Upper

64 100

66 31.0 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV014453.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV014453.D (-147) (-)

1.60

6000

5000

4000

3000

2000

1000

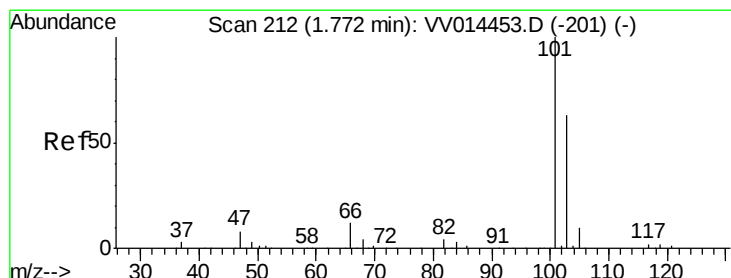
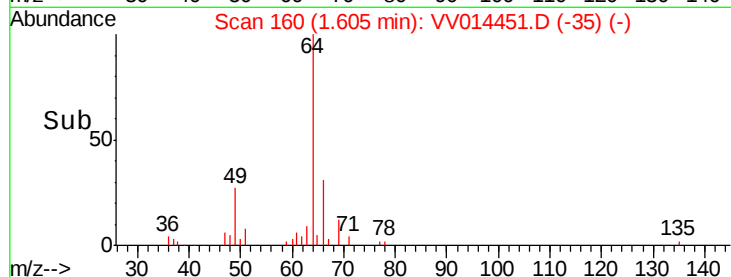
0

1.55

1.60

1.65

Time-->



#9

Trichlorofluoromethane

Concen: 3.245 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV014451.D

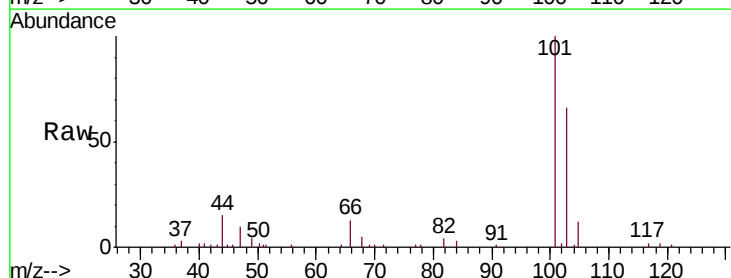
Acq: 31 Jan 2020 14:12

Tgt Ion: 101 Resp: 16892

Ion Ratio Lower Upper

101 100

103 65.4 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): VV014453.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014453.D (-201) (-)

1.78

15000

10000

5000

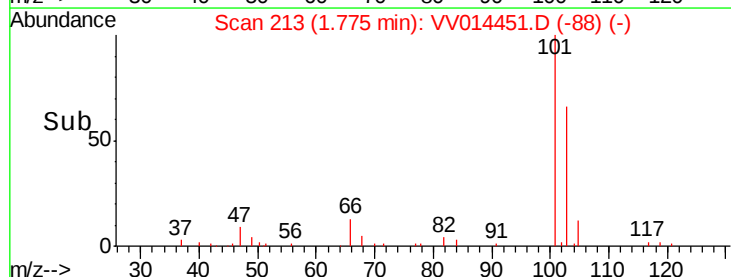
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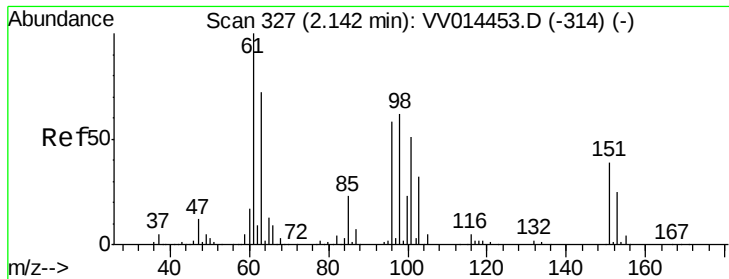
1.75

1.80

1.85

Time-->





#10

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

Concen: 2.787 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

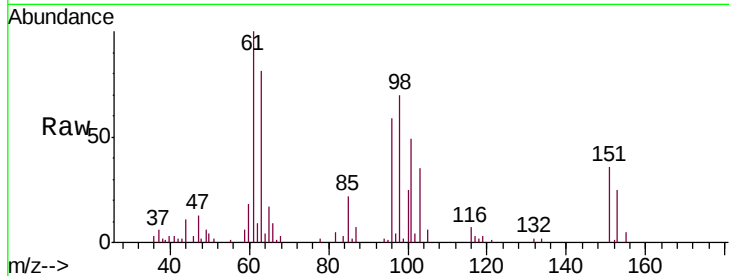
Tgt Ion: 101 Resp: 8085

Ion Ratio Lower Upper

101 100

85 46.9 34.6 51.8

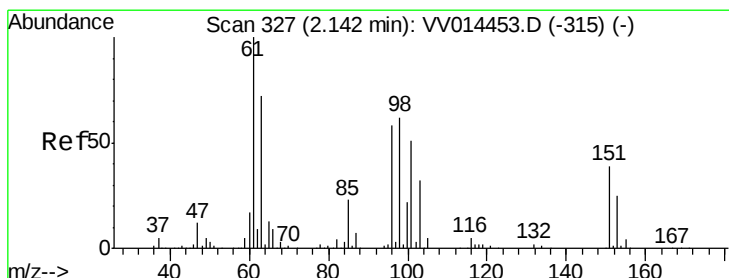
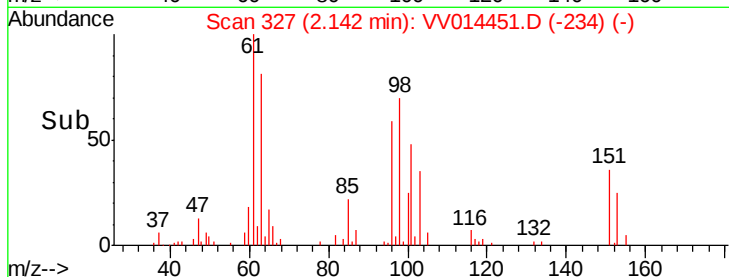
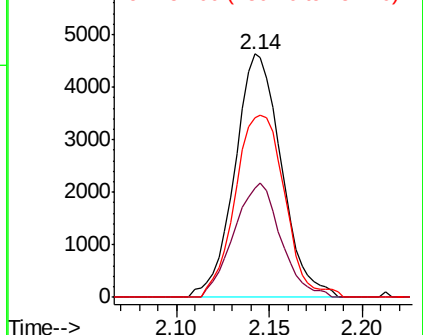
151 79.5 61.2 91.8



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: 3.109 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

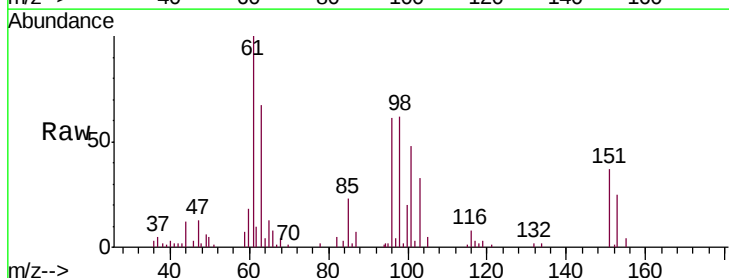
Tgt Ion: 96 Resp: 8737

Ion Ratio Lower Upper

96 100

61 162.8 120.5 223.7

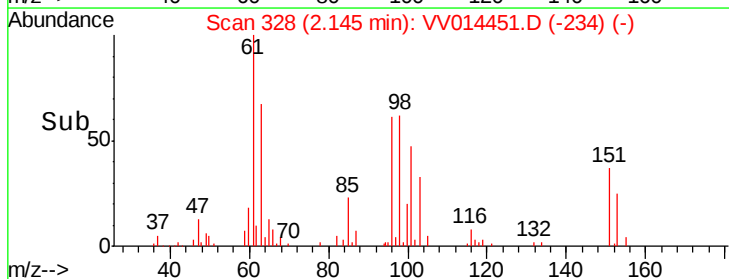
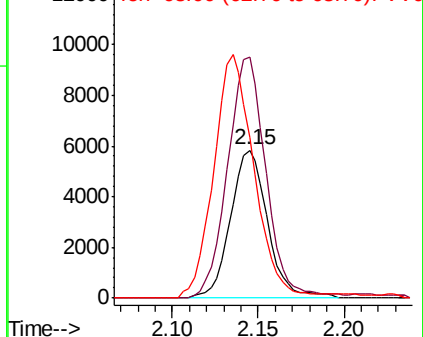
63 108.3 87.1 161.7

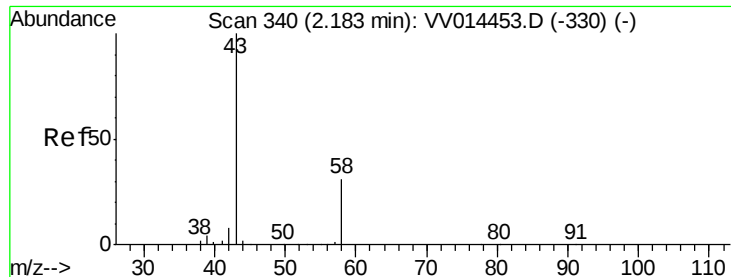


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.045 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampled :

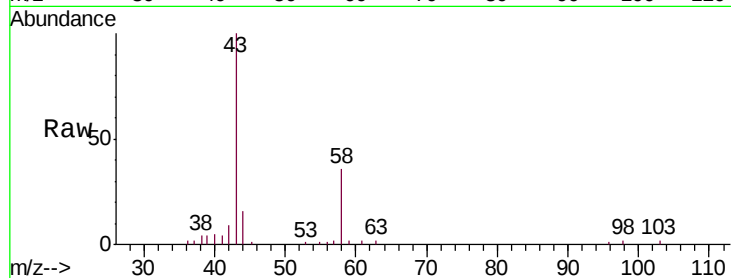
VSTD00565

Tgt Ion: 43 Resp: 16132

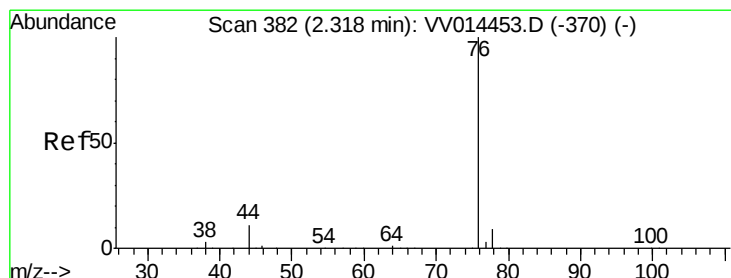
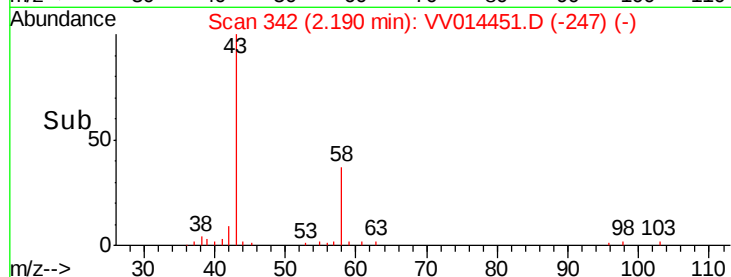
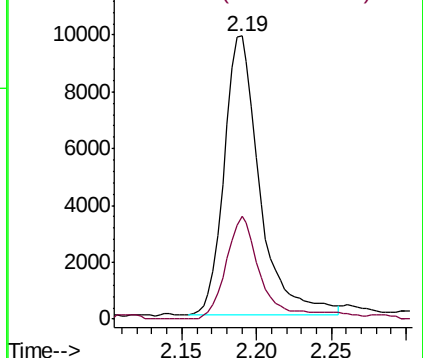
Ion Ratio Lower Upper

43 100

58 34.2 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV014451.D (-247) (-)



#14

Carbon disulfide

Concen: 4.726 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014451.D

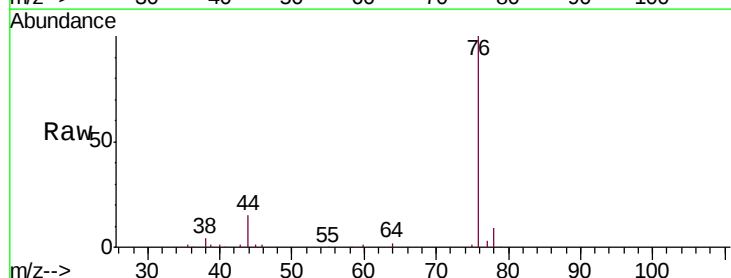
Acq: 31 Jan 2020 14:12

Tgt Ion: 76 Resp: 38692

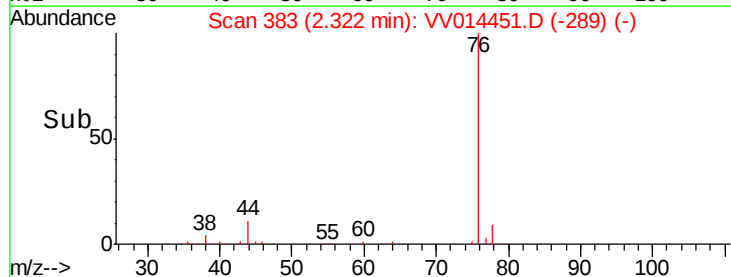
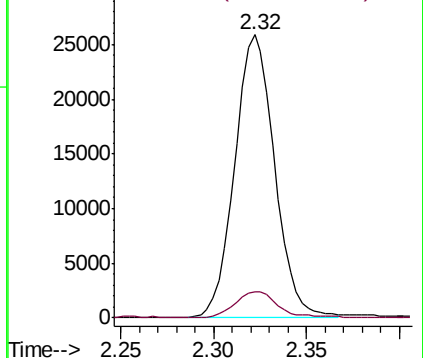
Ion Ratio Lower Upper

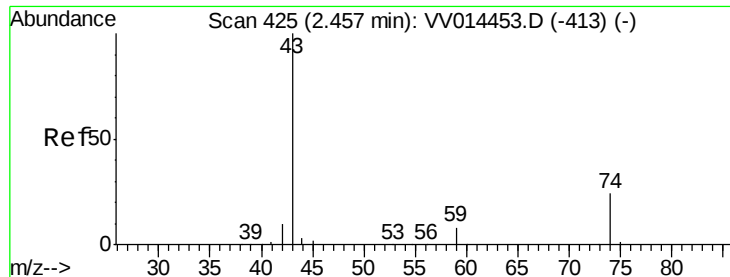
76 100

78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014451.D (-289) (-)

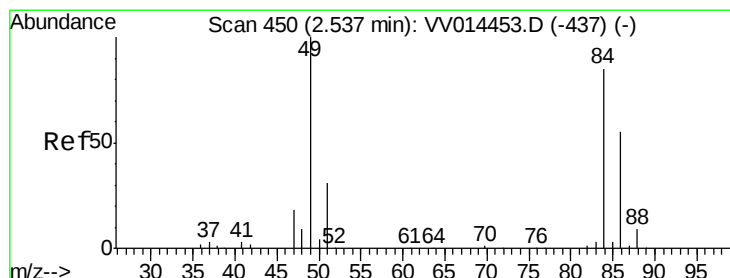
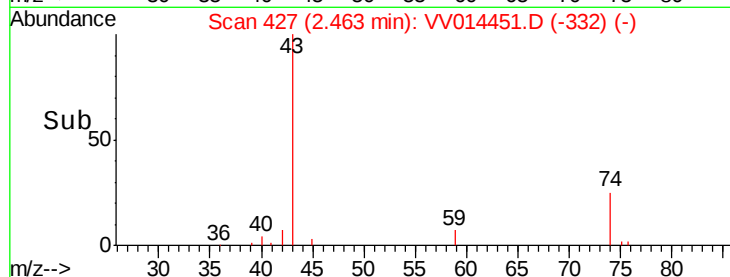
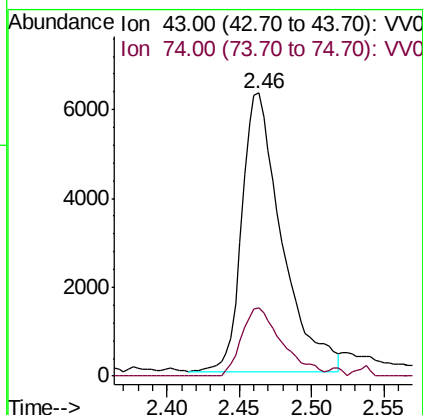
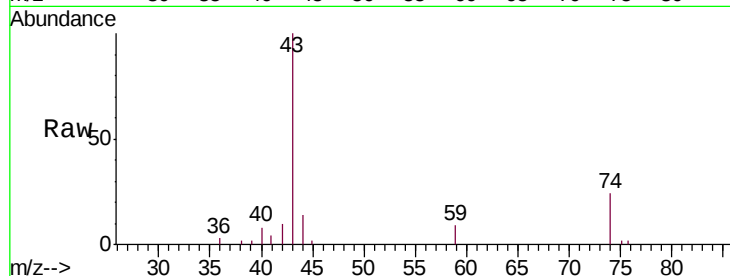




#15
Methyl Acetate
Concen: 3.933 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.01 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

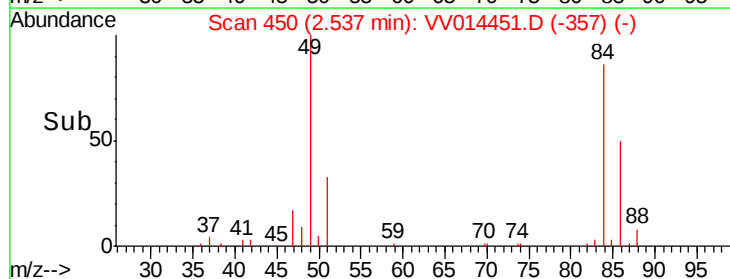
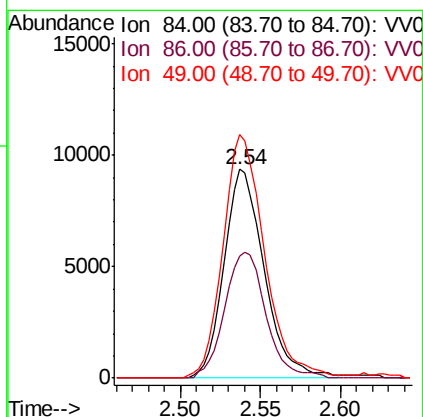
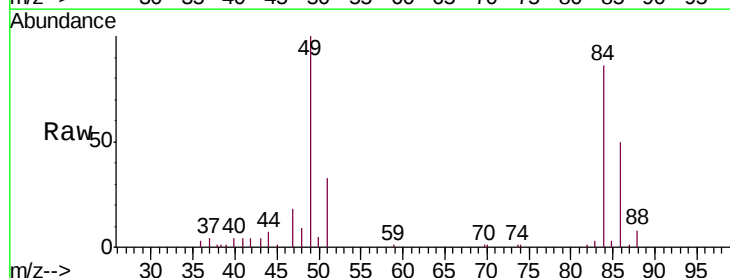
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

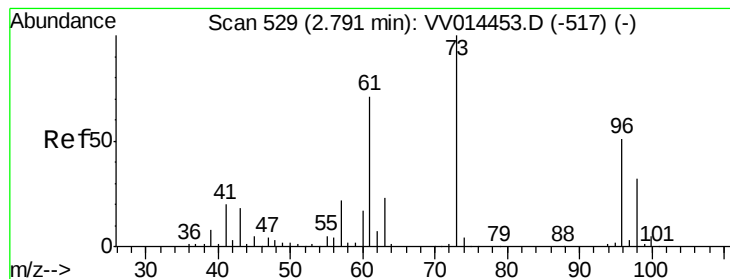
Tgt Ion: 43 Resp: 11990
Ion Ratio Lower Upper
43 100
74 25.0 19.6 29.4



#16
Methylene chloride
Concen: 5.026 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Tgt Ion: 84 Resp: 16101
Ion Ratio Lower Upper
84 100
86 58.3 45.6 84.8
49 116.6 82.7 153.7





#17

trans-1,2-Dichloroethene

Concen: 4.429 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.01 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

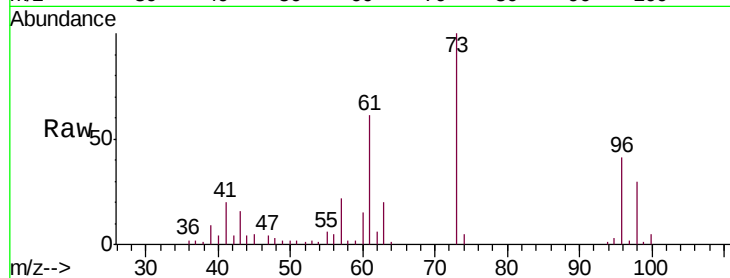
Tgt Ion: 96 Resp: 13295

Ion Ratio Lower Upper

96 100

61 147.8 96.7 179.7

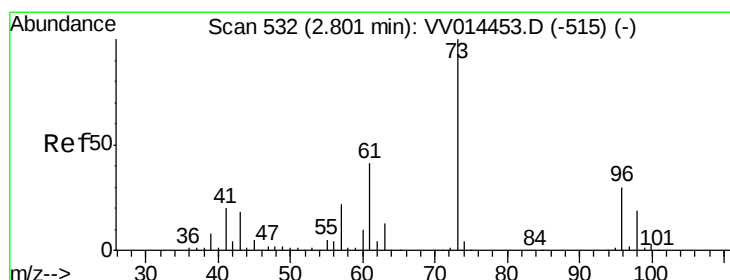
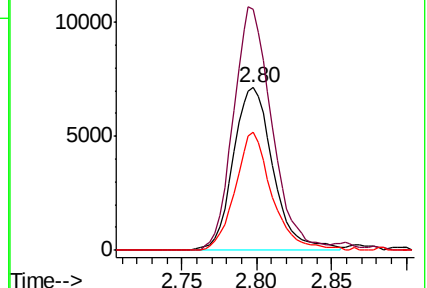
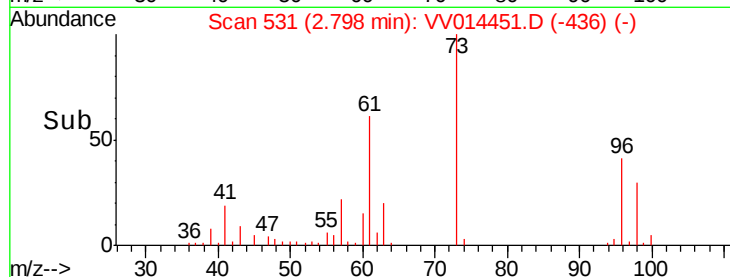
98 72.5 44.1 81.9



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: 4.729 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

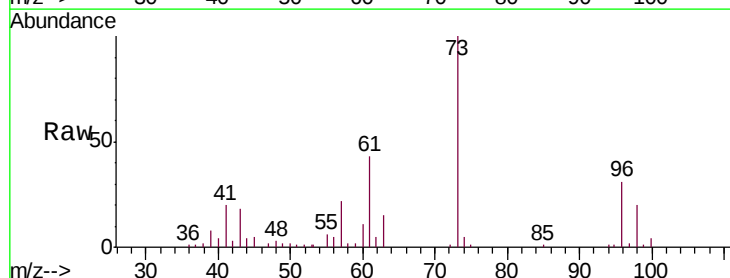
Tgt Ion: 73 Resp: 41375

Ion Ratio Lower Upper

73 100

43 17.2 14.1 21.1

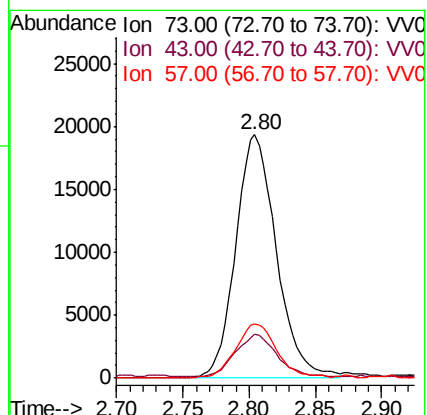
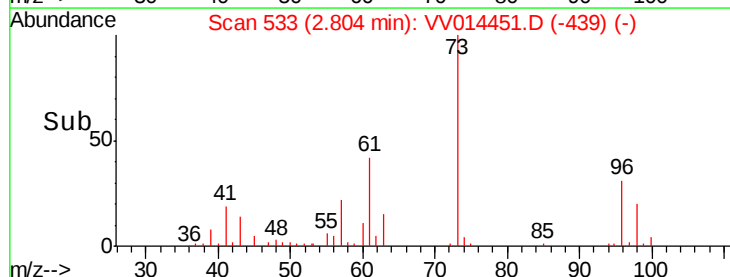
57 22.3 17.9 26.9

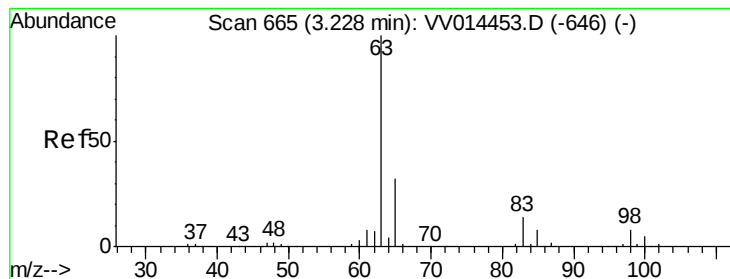


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 4.447 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

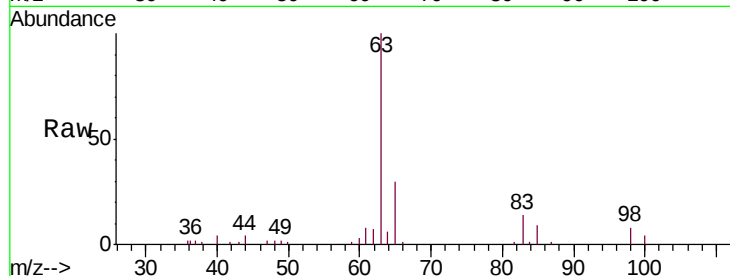
Tgt Ion: 63 Resp: 24177

Ion Ratio Lower Upper

63 100

65 30.2 22.1 41.1

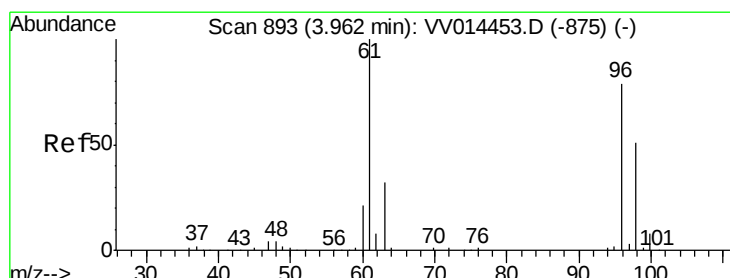
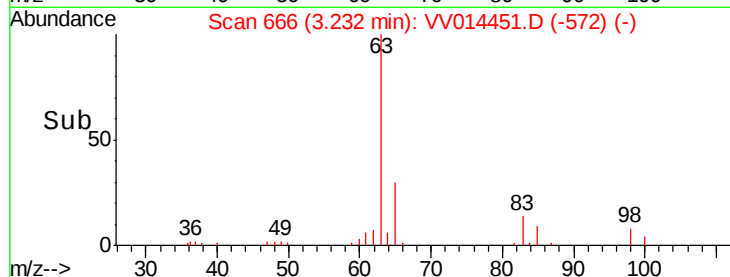
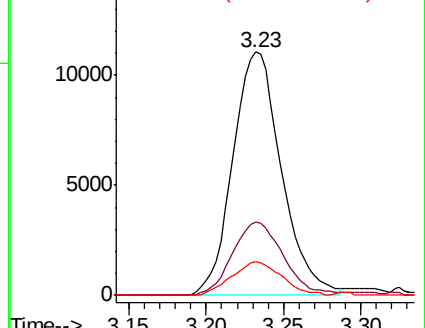
83 13.7 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV014451.D (-646) (-)

Ion 65.00 (64.70 to 65.70): VV014451.D (-646) (-)

Ion 83.00 (82.70 to 83.70): VV014451.D (-646) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.554 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

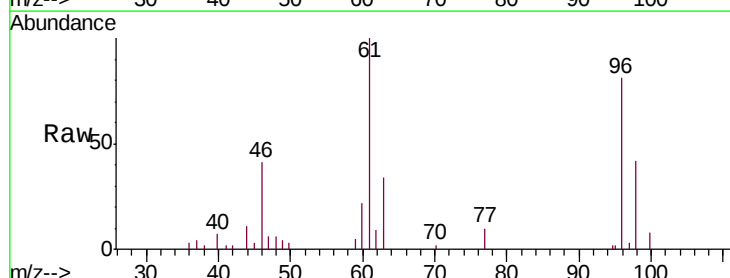
Tgt Ion: 96 Resp: 14779

Ion Ratio Lower Upper

96 100

61 122.7 88.9 165.1

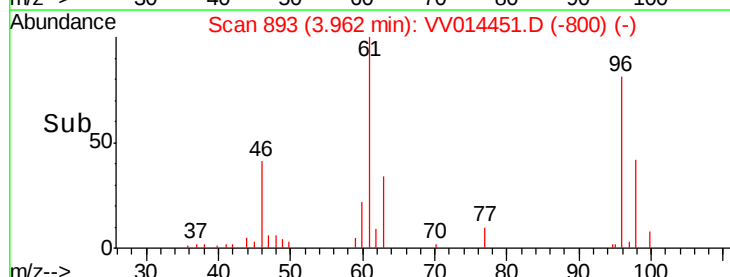
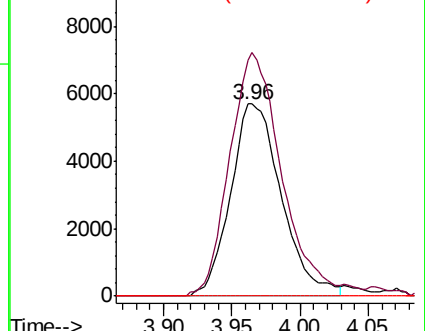
68 0.0 0.0 0.0

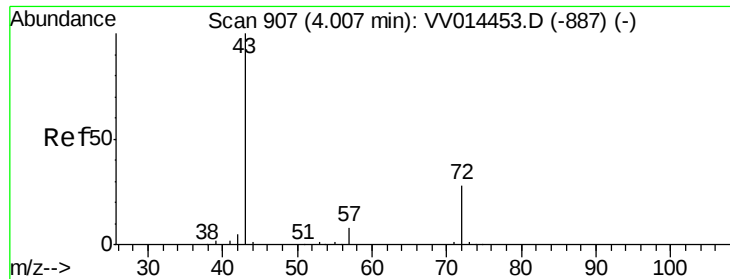


Abundance Ion 96.00 (95.70 to 96.70): VV014451.D (-800) (-)

Ion 61.00 (60.70 to 61.70): VV014451.D (-800) (-)

Ion 68.00 (67.70 to 68.70): VV014451.D (-800) (-)





#22

2-Butanone

Concen: 5.445 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.02 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

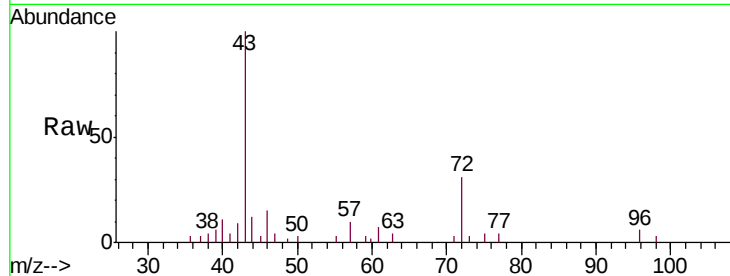
VSTD00565

Tgt Ion: 43 Resp: 12789

Ion Ratio Lower Upper

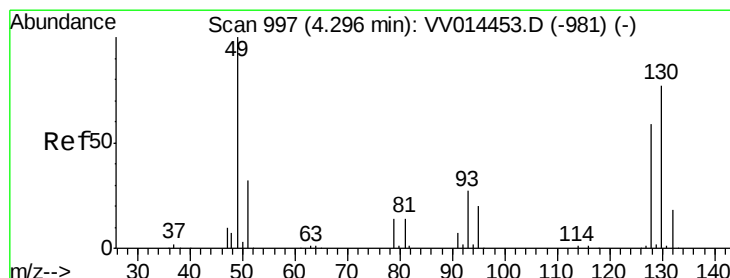
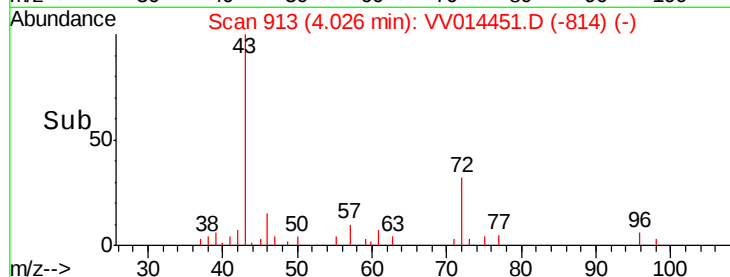
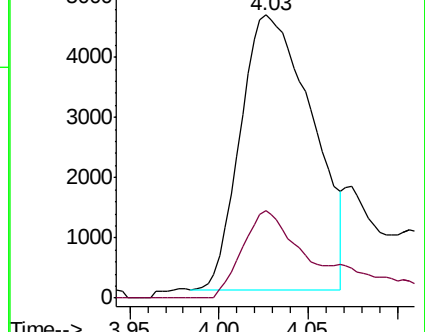
43 100

72 25.6 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV014451.D (-913) (-)

Ion 72.00 (71.70 to 72.70): VV014451.D (-913) (-)



#23

Bromochloromethane

Concen: 3.827 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Tgt Ion: 128 Resp: 6716

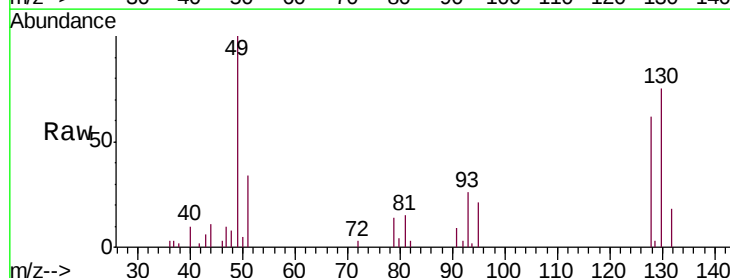
Ion Ratio Lower Upper

128 100

49 152.9 118.8 220.6

130 114.6 90.7 168.5

51 52.5 42.8 64.2

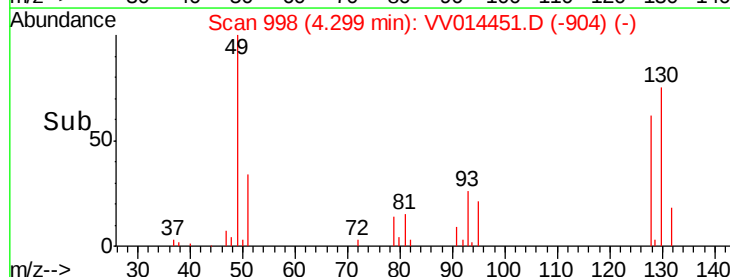
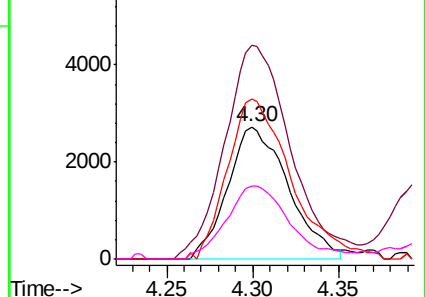


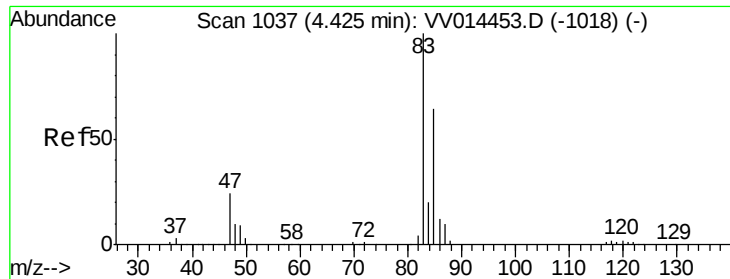
Abundance Ion 128.00 (127.70 to 128.70): VV014451.D (-998) (-)

Ion 49.00 (48.70 to 49.70): VV014451.D (-998) (-)

Ion 130.00 (129.70 to 130.70): VV014451.D (-998) (-)

Ion 51.00 (50.70 to 51.70): VV014451.D (-998) (-)

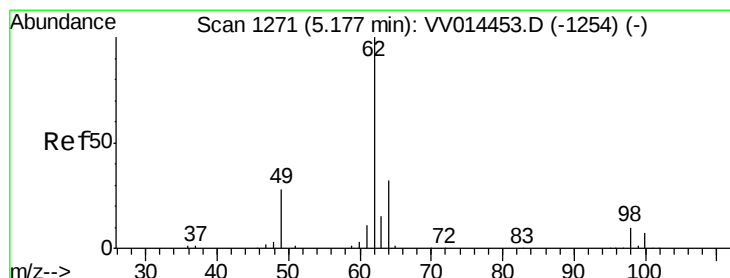
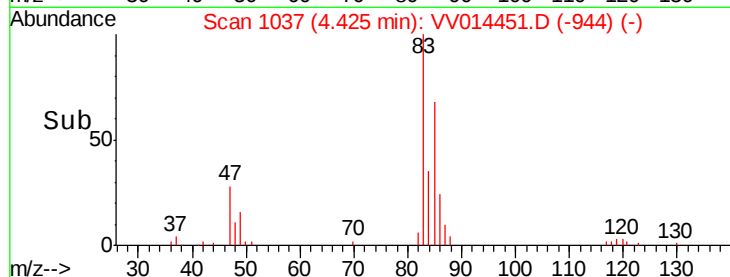
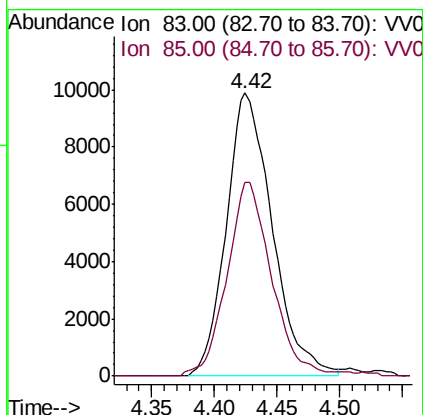
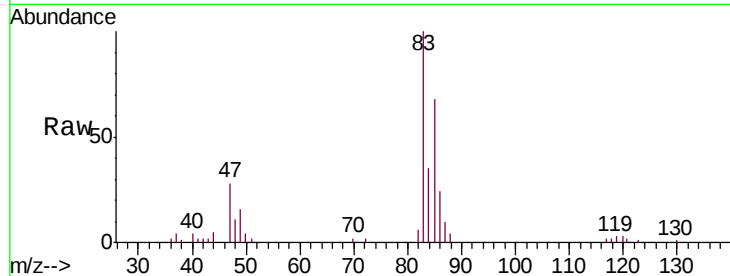




#25
Chloroform
Concen: 4.393 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

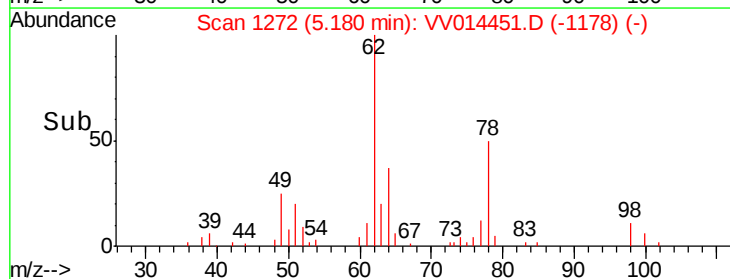
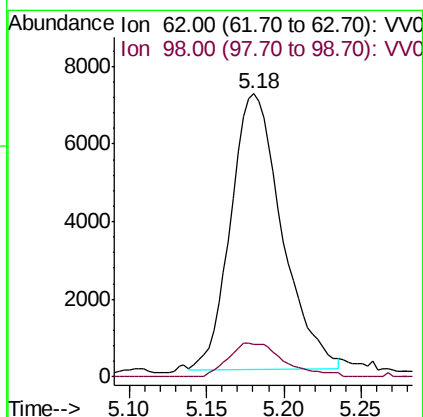
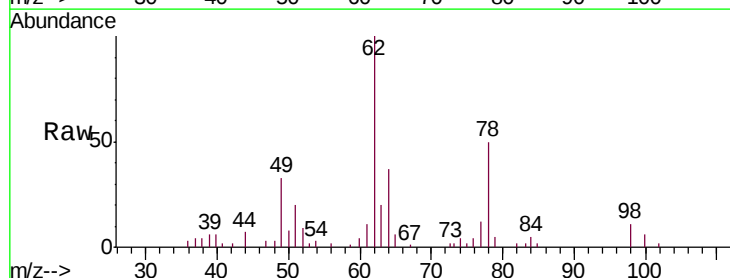
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

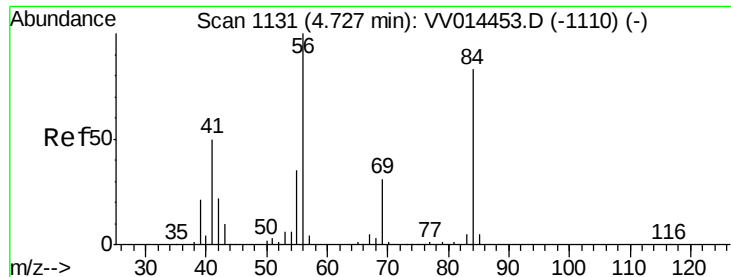
Tgt Ion: 83 Resp: 25216
Ion Ratio Lower Upper
83 100
85 68.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 3.982 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Tgt Ion: 62 Resp: 16400
Ion Ratio Lower Upper
62 100
98 11.4 8.0 12.0

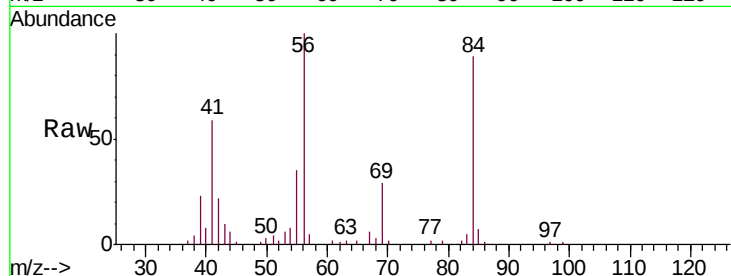




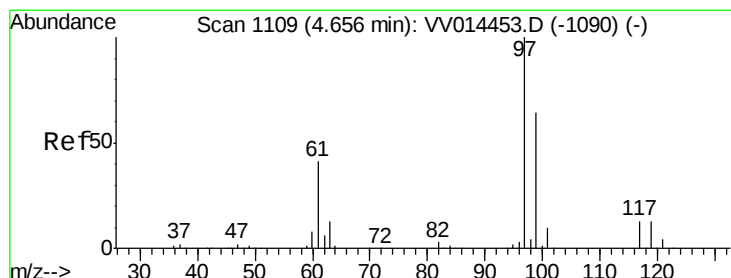
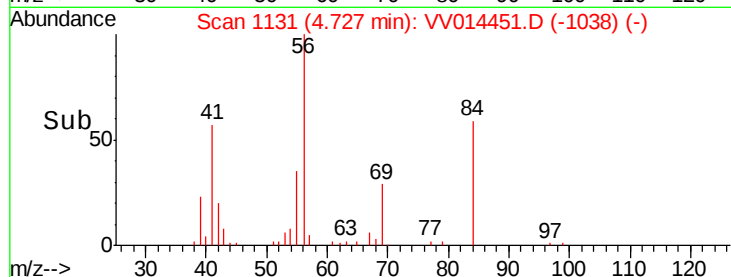
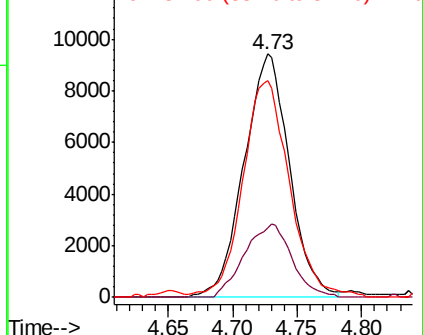
#29
Cyclohexane
Concen: 4.911 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 56 Resp: 23137
Ion Ratio Lower Upper
56 100
69 31.2 24.9 37.3
84 86.9 68.6 103.0

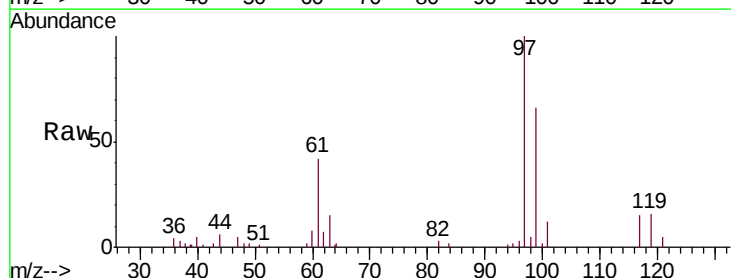


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

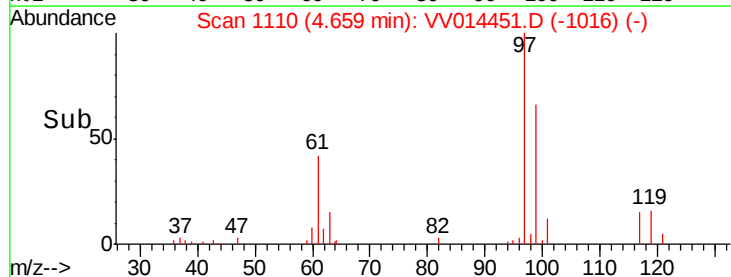
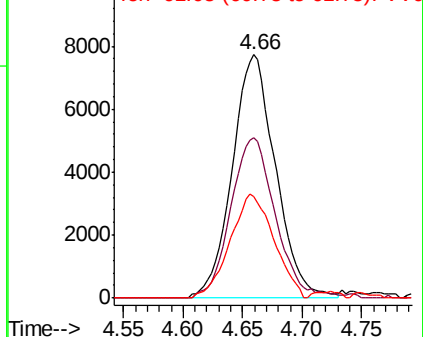


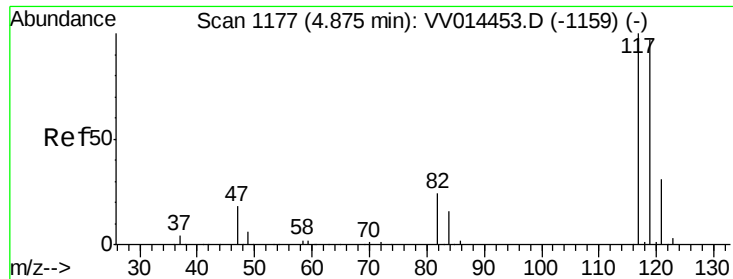
#30
1,1,1-Trichloroethane
Concen: 4.115 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Tgt Ion: 97 Resp: 19541
Ion Ratio Lower Upper
97 100
99 67.6 50.6 76.0
61 43.0 33.0 49.4



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: 4.180 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

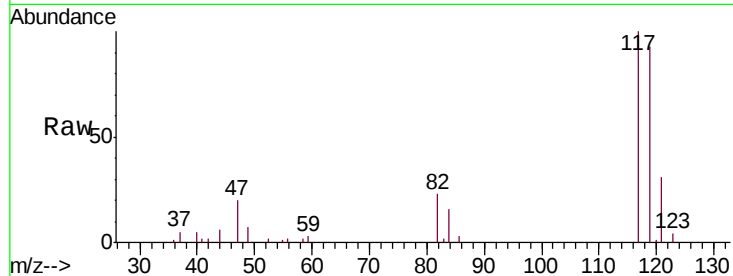
VSTD00565

Tgt Ion:117 Resp: 17602

Ion Ratio Lower Upper

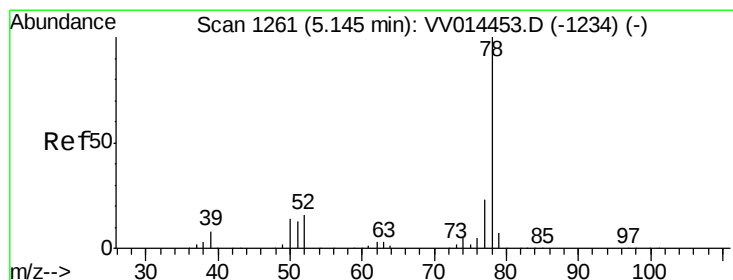
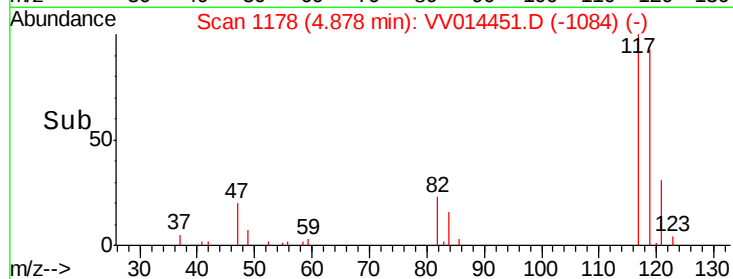
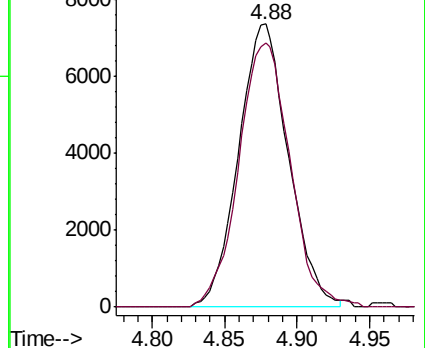
117 100

119 96.6 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.707 ug/L

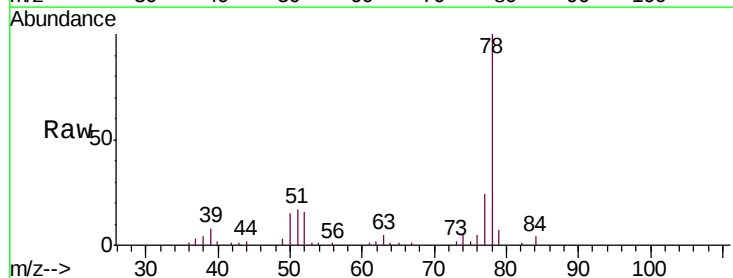
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

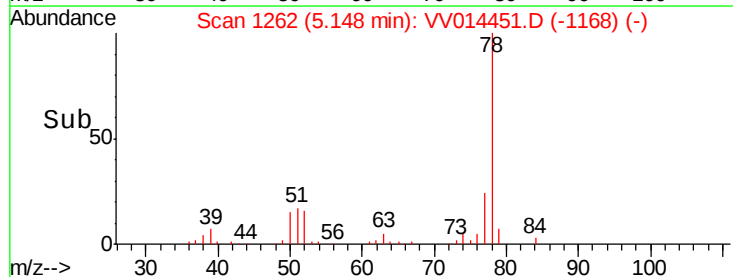
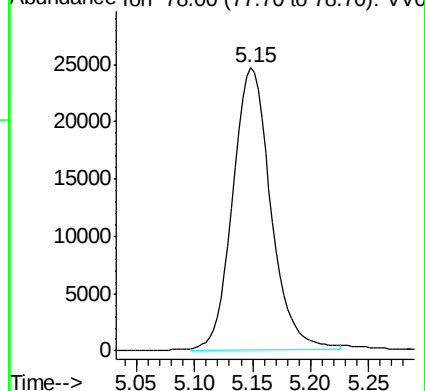
Lab File: VV014451.D

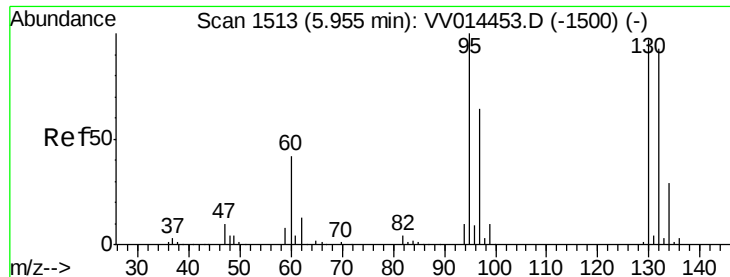
Acq: 31 Jan 2020 14:12

Tgt Ion: 78 Resp: 55965



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 4.598 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampled :

VSTD00565

Tgt Ion: 95 Resp: 14520

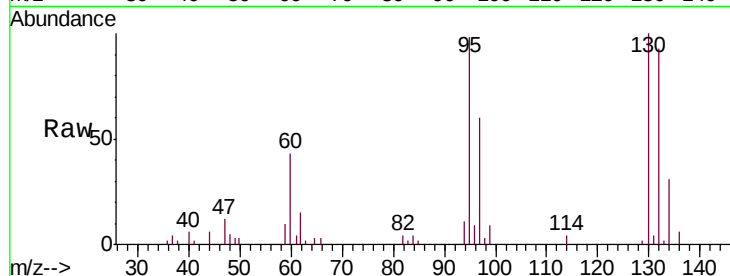
Ion Ratio Lower Upper

95 100

97 61.8 44.7 83.1

132 94.9 65.4 121.4

130 102.1 67.7 125.7

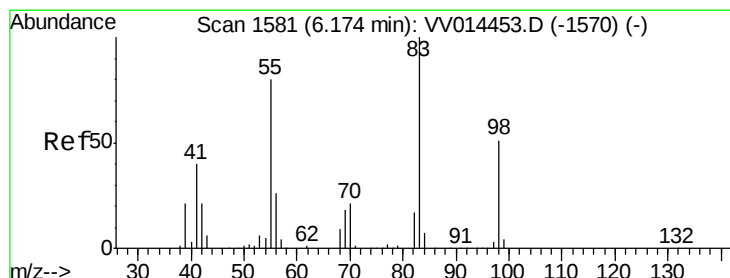
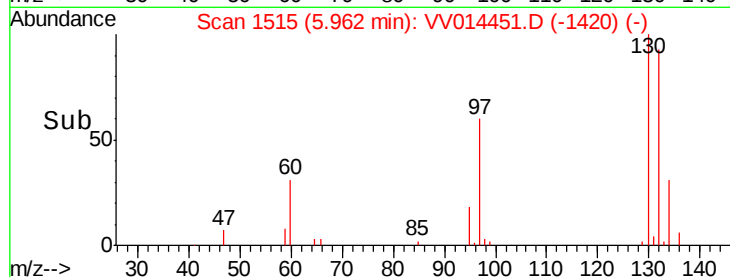
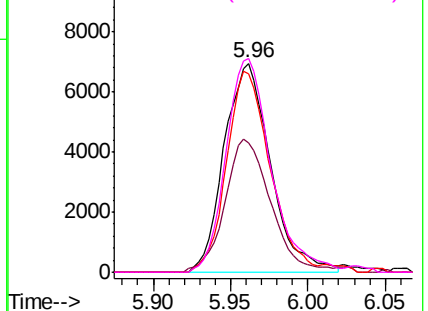


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.803 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

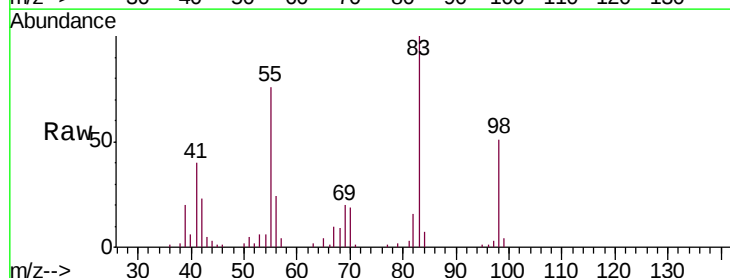
Tgt Ion: 83 Resp: 23160

Ion Ratio Lower Upper

83 100

55 82.0 60.4 90.6

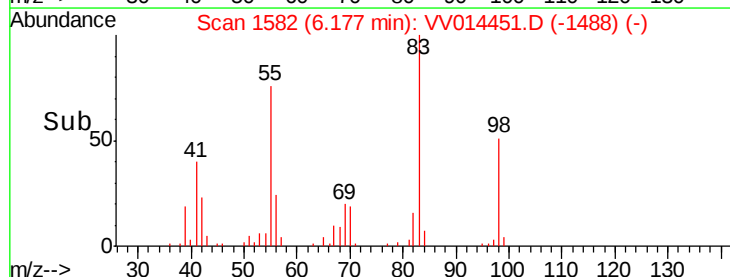
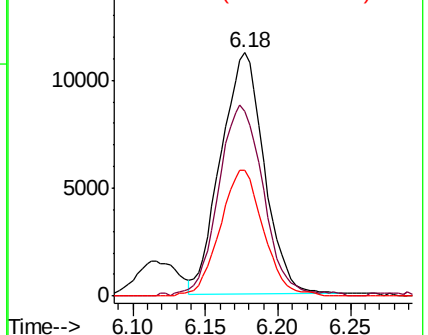
98 52.0 39.2 58.8

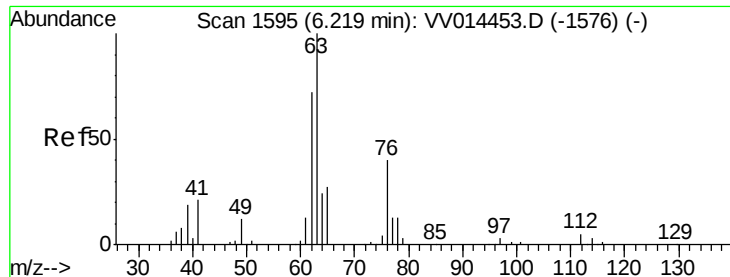


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

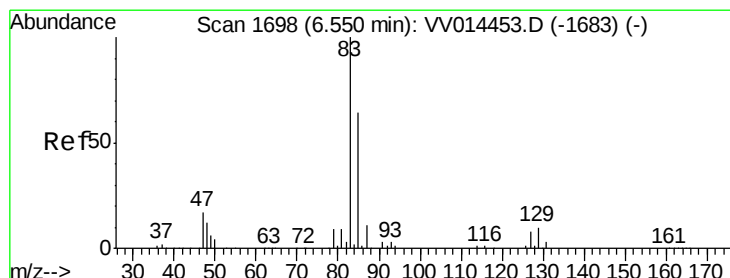
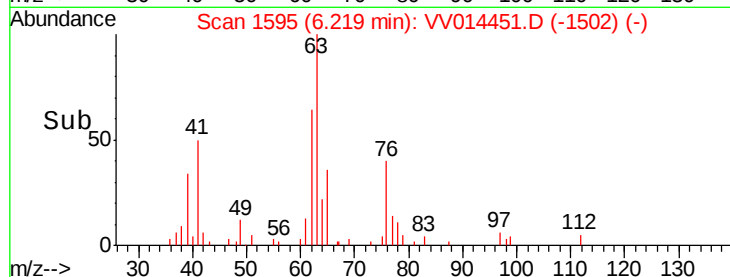
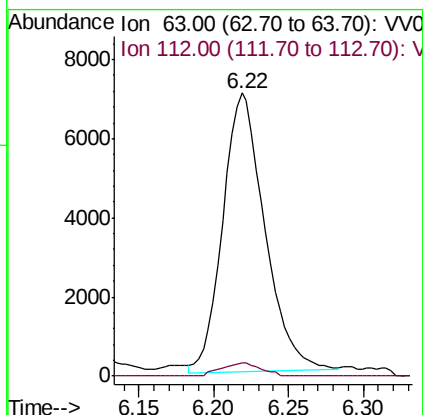
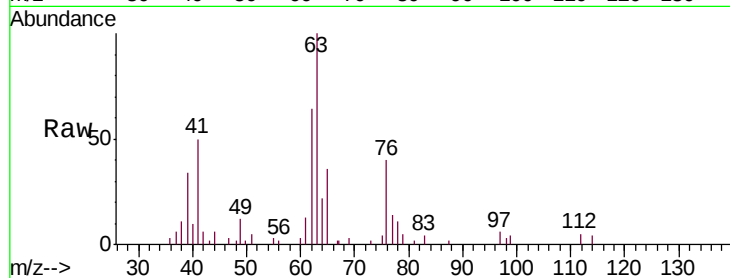




#37
 1,2-Dichloropropane
 Concen: 4.744 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

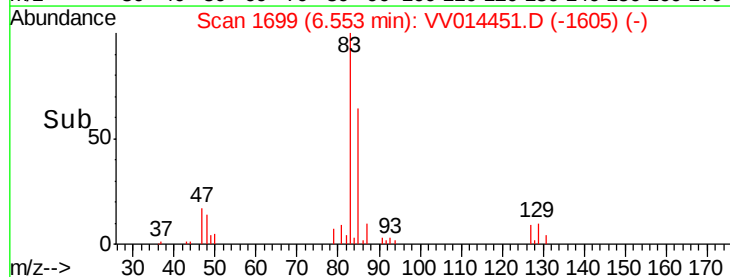
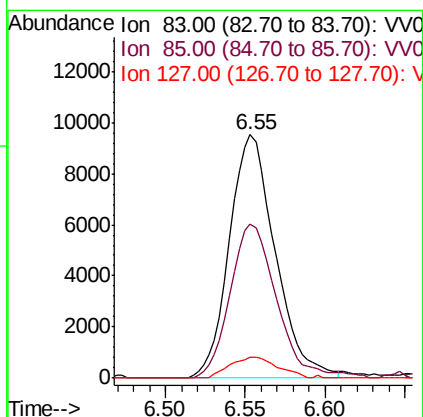
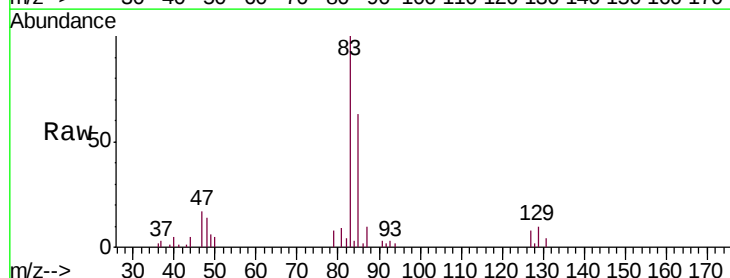
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

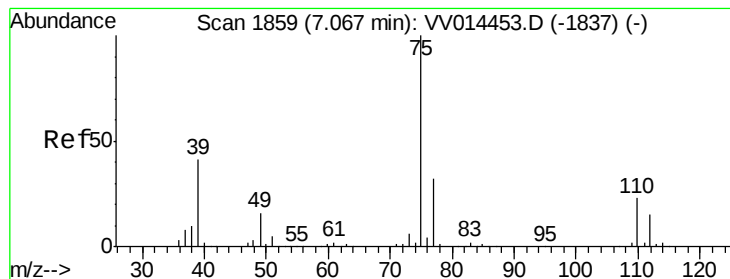
Tgt Ion: 63 Resp: 13746
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.563 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

Tgt Ion: 83 Resp: 18645
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.9 83.3
 127 8.5 6.3 9.5



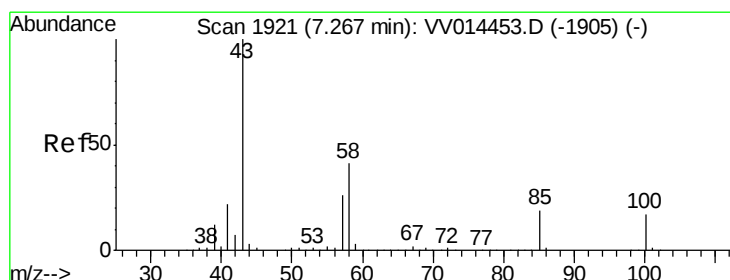
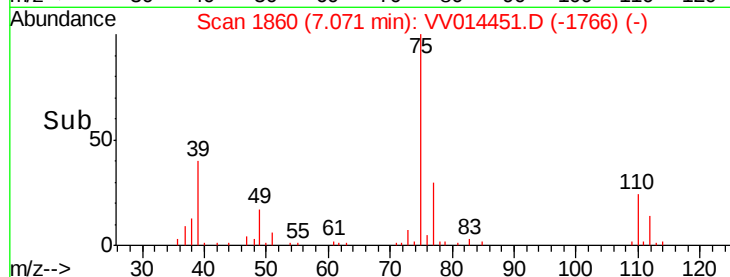
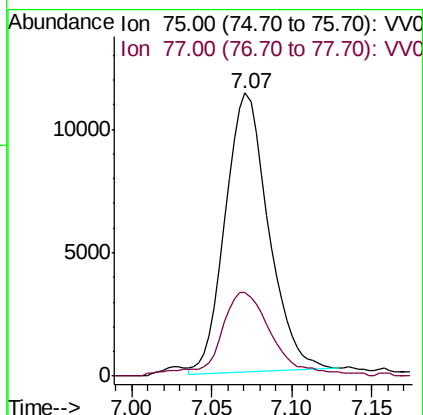
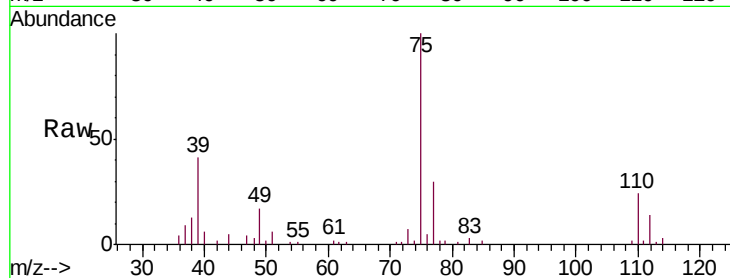


#39

cis-1,3-Dichloropropene
 Concen: 4.490 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00565

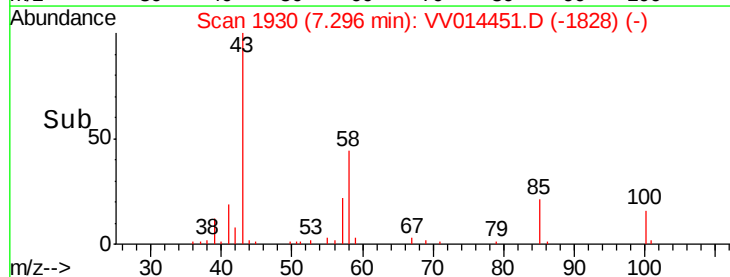
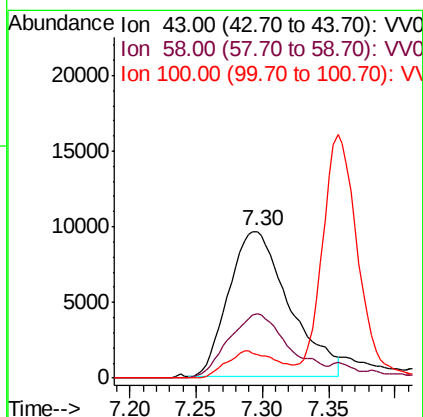
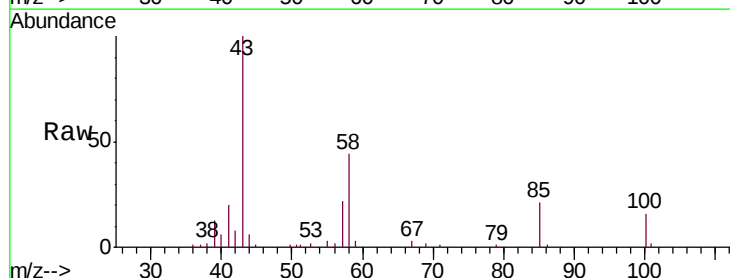
Tgt Ion: 75 Resp: 20832
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.7 42.3

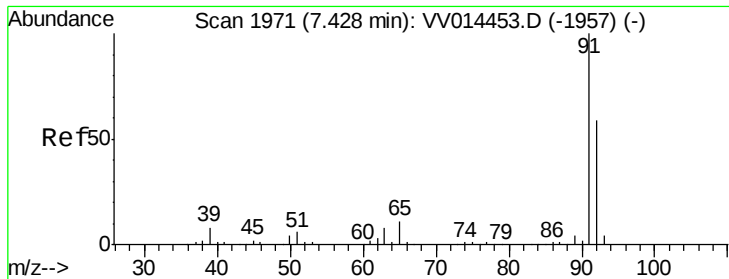


#40

4-Methyl-2-pentanone
 Concen: 8.152 ug/L
 RT: 7.30 min Scan# 1930
 Delta R.T. 0.03 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

Tgt Ion: 43 Resp: 30477
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.9 47.9
 100 15.7 12.2 18.4





#42

Toluene

Concen: 4.775 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

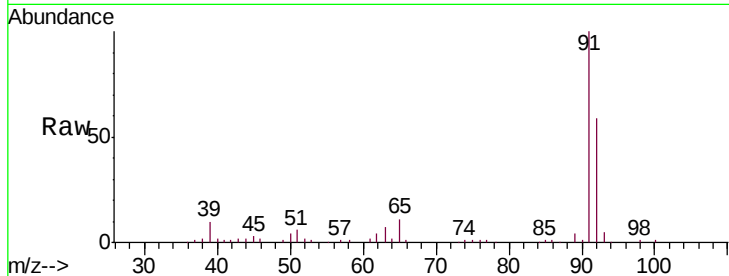
VSTD00565

Tgt Ion: 91 Resp: 58749

Ion Ratio Lower Upper

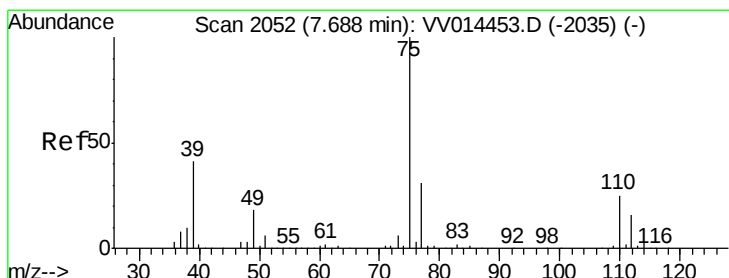
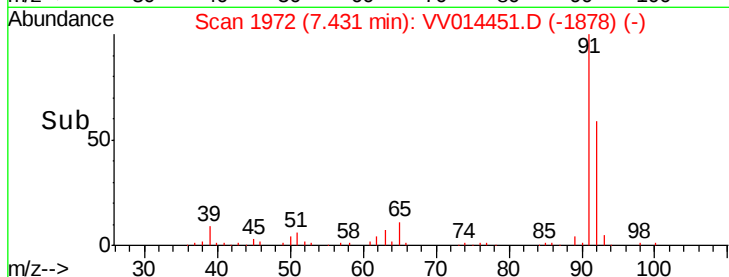
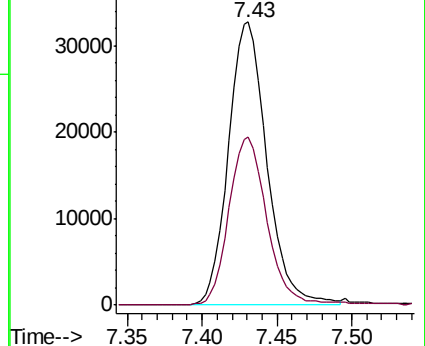
91 100

92 59.3 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.794 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014451.D

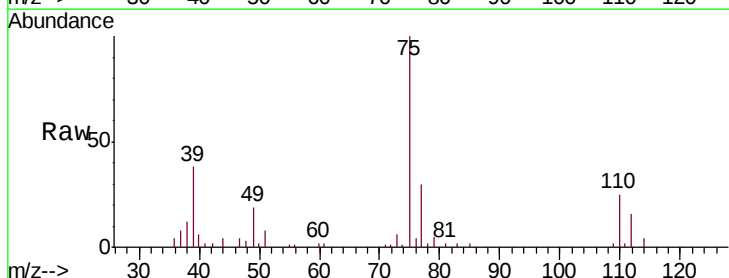
Acq: 31 Jan 2020 14:12

Tgt Ion: 75 Resp: 19957

Ion Ratio Lower Upper

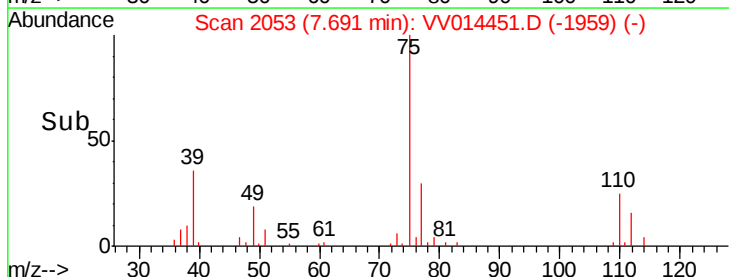
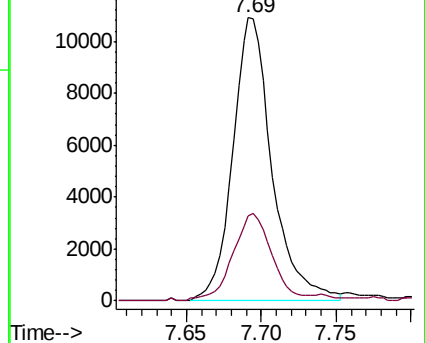
75 100

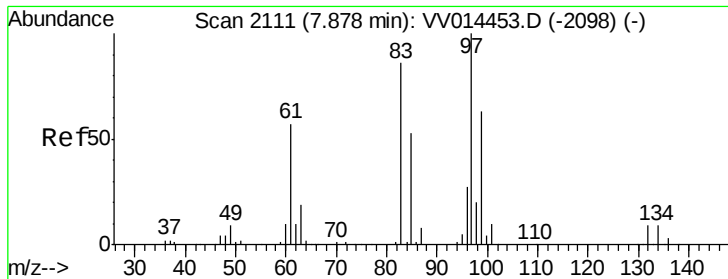
77 30.1 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

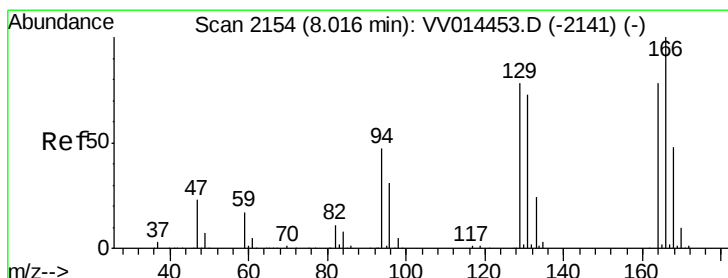
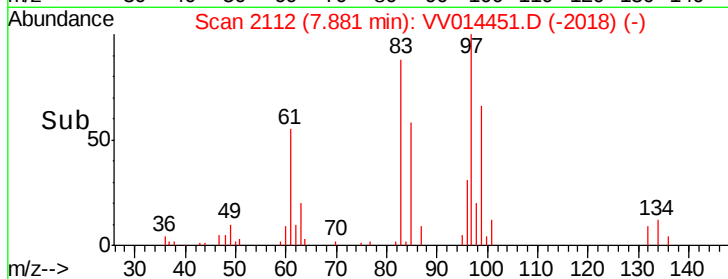
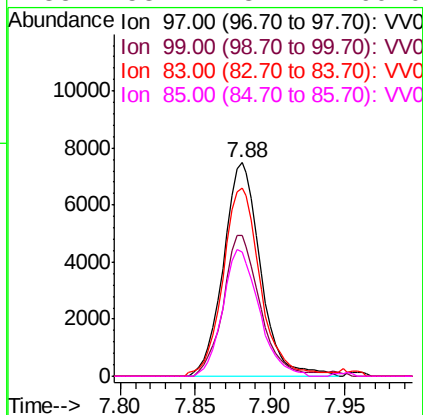
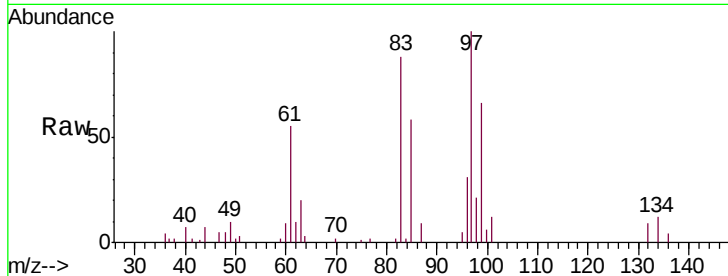




#45
 1,1,2-Trichloroethane
 Concen: 4.532 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

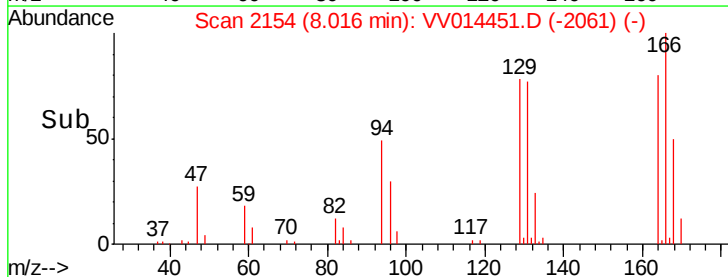
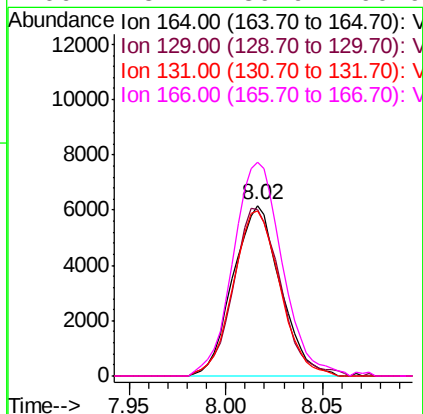
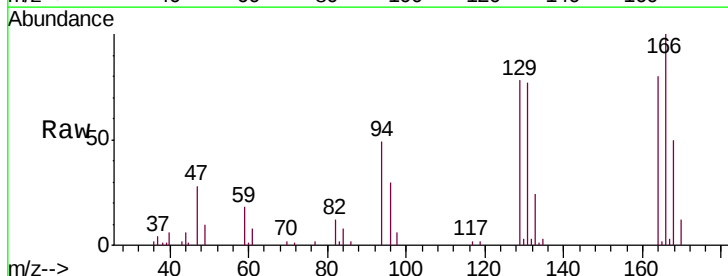
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

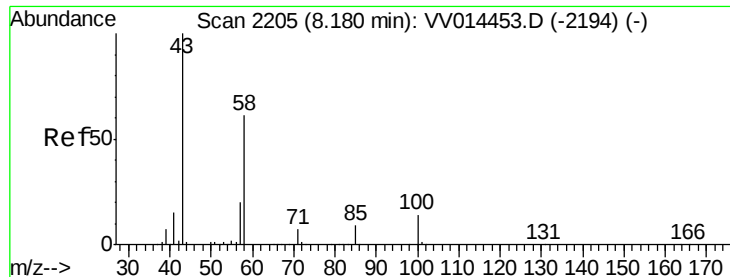
Tgt Ion:	97	Resp:	12942
Ion	Ratio	Lower	Upper
97	100		
99	65.9	43.8	81.3
83	88.1	60.0	111.4
85	58.4	37.2	69.0



#46
 Tetrachloroethene
 Concen: 3.842 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

Tgt Ion:	164	Resp:	10547
Ion	Ratio	Lower	Upper
164	100		
129	97.7	70.4	130.8
131	97.0	65.5	121.7
166	125.4	89.9	166.9

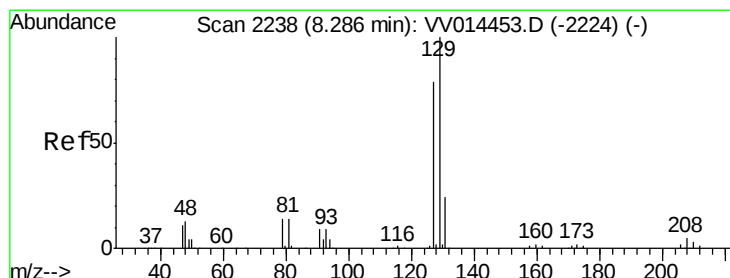
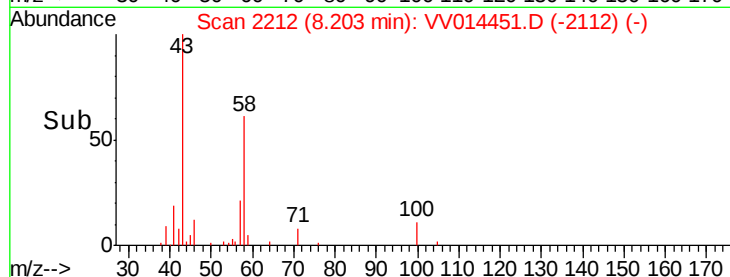
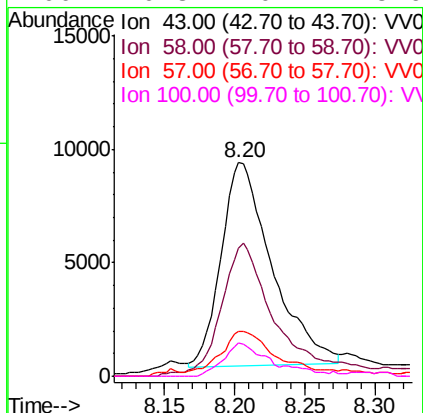
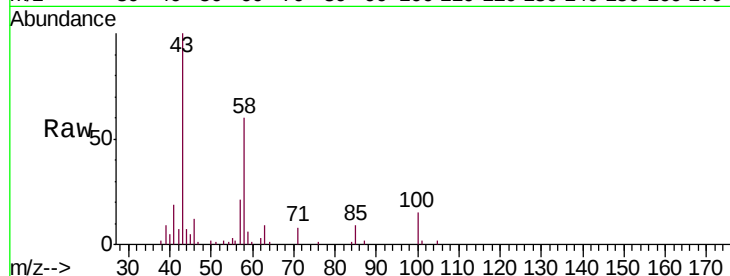




#48
2-Hexanone
Concen: 7.531 ug/L
RT: 8.20 min Scan# 2212
Delta R.T. 0.02 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

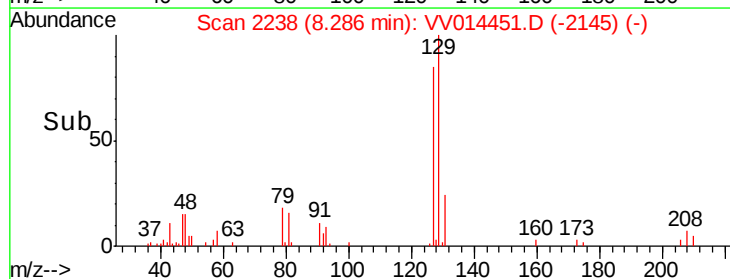
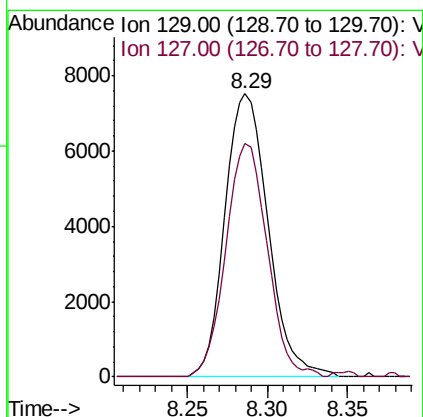
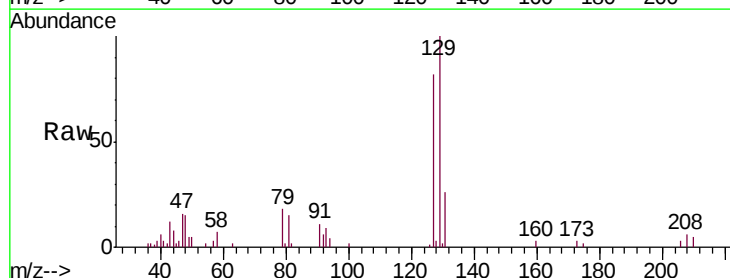
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

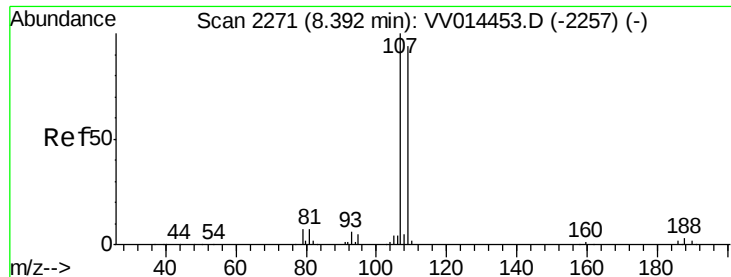
Tgt Ion: 43 Resp: 22721
Ion Ratio Lower Upper
43 100
58 65.4 48.0 72.0
57 18.5 15.0 22.6
100 10.3 10.4 15.6#



#49
Dibromochloromethane
Concen: 4.036 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Tgt Ion: 129 Resp: 13865
Ion Ratio Lower Upper
129 100
127 82.4 55.1 102.3

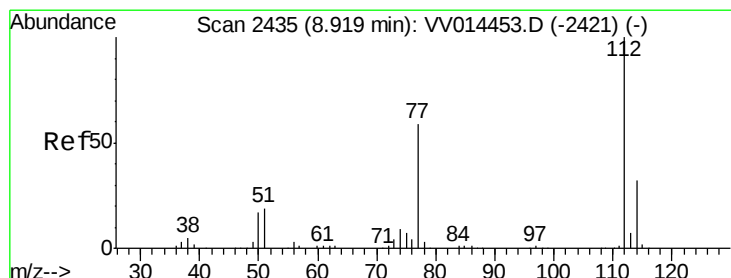
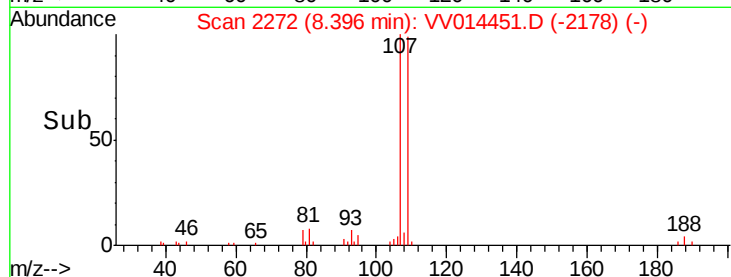
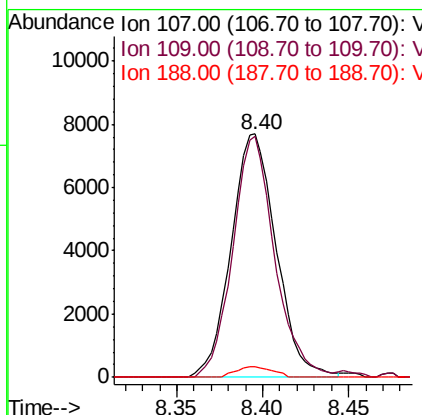
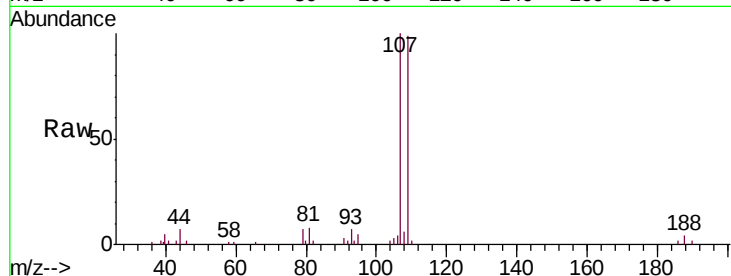




#50
1,2-Dibromoethane
Concen: 4.491 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

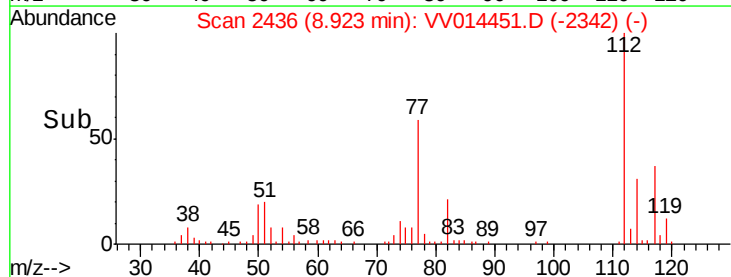
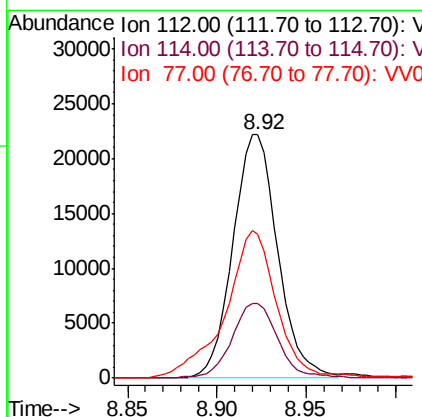
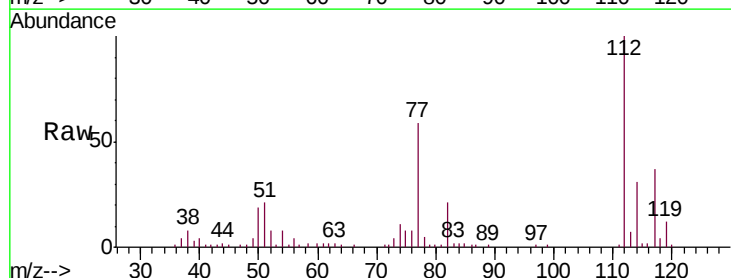
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

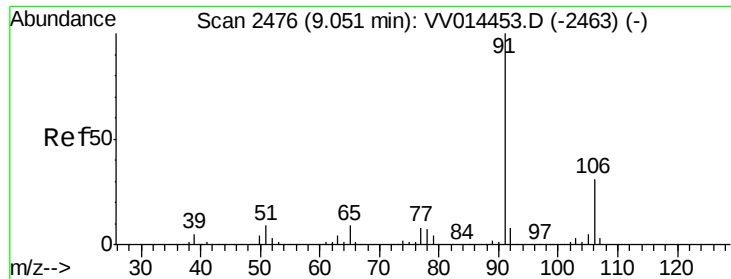
Tgt Ion:107 Resp: 14028
Ion Ratio Lower Upper
107 100
109 98.9 65.5 121.7
188 4.1 2.6 3.8#



#51
Chlorobenzene
Concen: 4.619 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Tgt Ion:112 Resp: 38833
Ion Ratio Lower Upper
112 100
114 30.7 22.5 41.9
77 58.9 47.5 71.3





#52

Ethylbenzene

Concen: 4.960 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

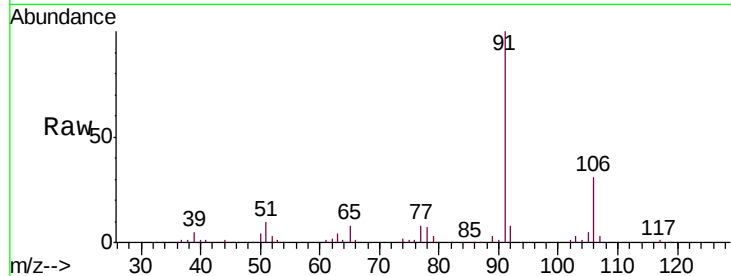
VSTD00565

Tgt Ion: 91 Resp: 67494

Ion Ratio Lower Upper

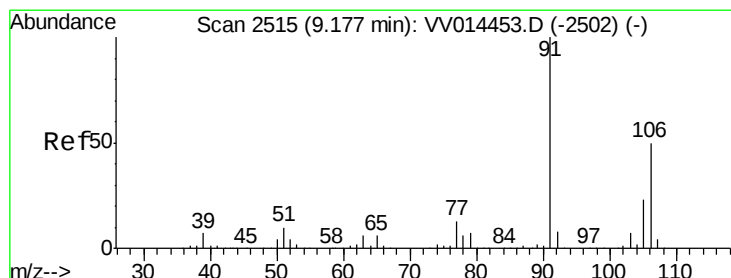
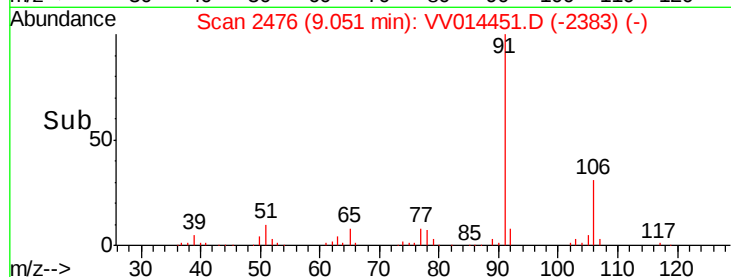
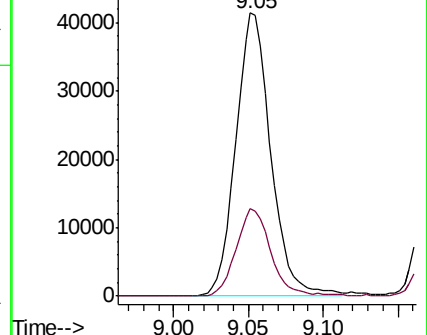
91 100

106 30.7 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014451.D (-2463) (-)

Ion 106.00 (105.70 to 106.70): VV014451.D (-2463) (-)



#53

m,p-Xylene

Concen: 4.607 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV014451.D

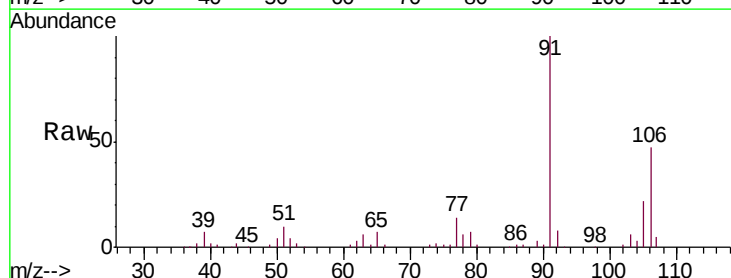
Acq: 31 Jan 2020 14:12

Tgt Ion: 106 Resp: 24047

Ion Ratio Lower Upper

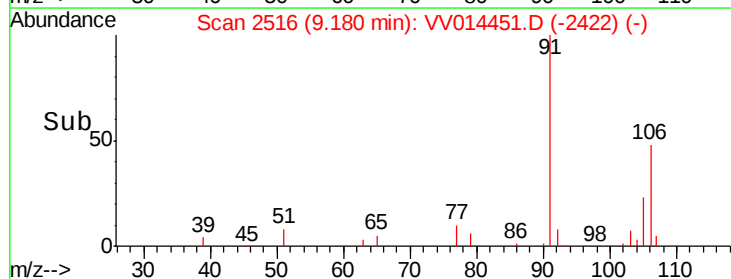
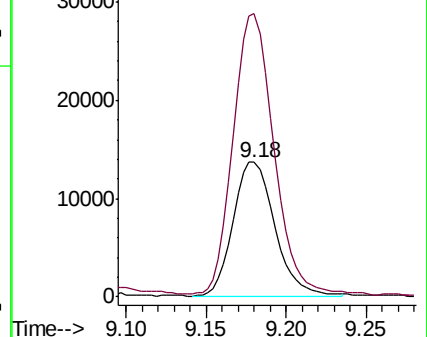
106 100

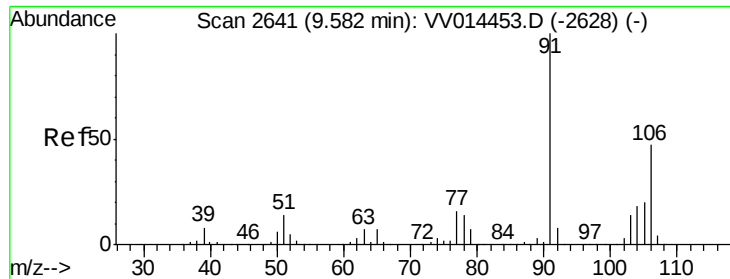
91 210.6 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014451.D (-2422) (-)

Ion 91.00 (90.70 to 91.70): VV014451.D (-2422) (-)

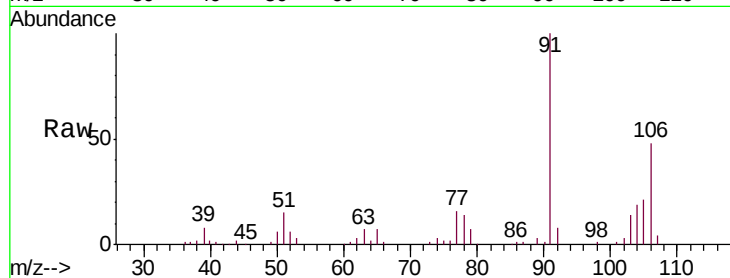




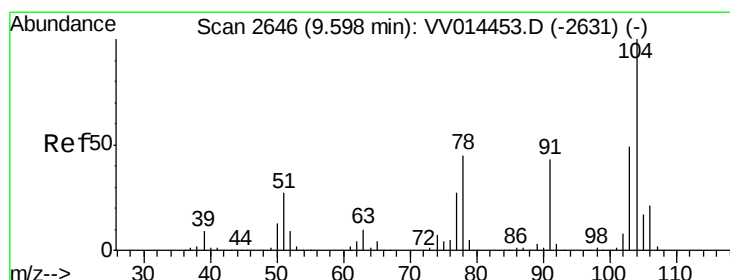
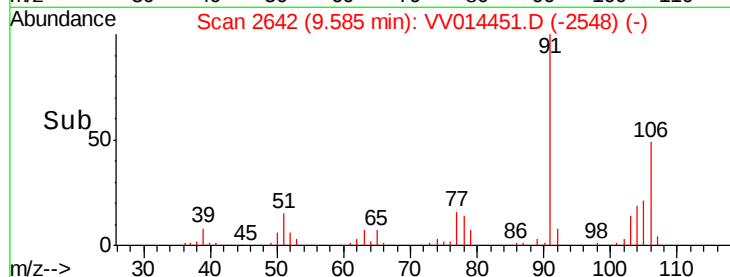
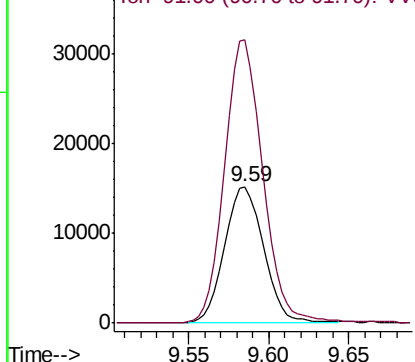
#54
o-xylene
Concen: 5.054 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion:106 Resp: 25539
Ion Ratio Lower Upper
106 100
91 207.5 150.4 279.2

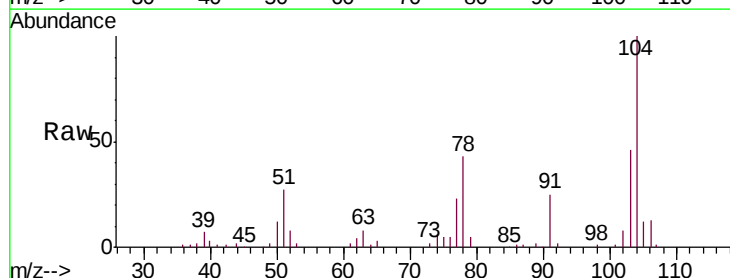


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

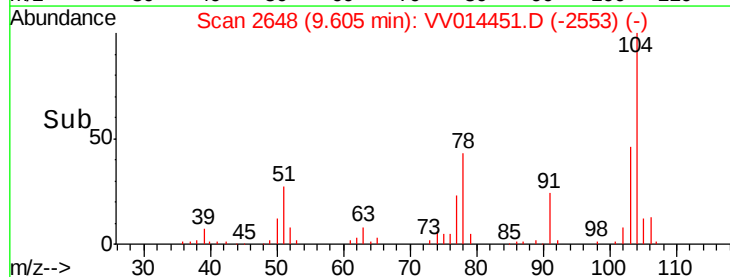
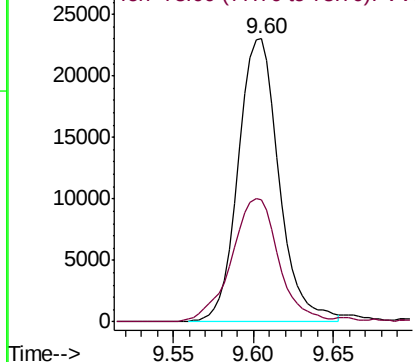


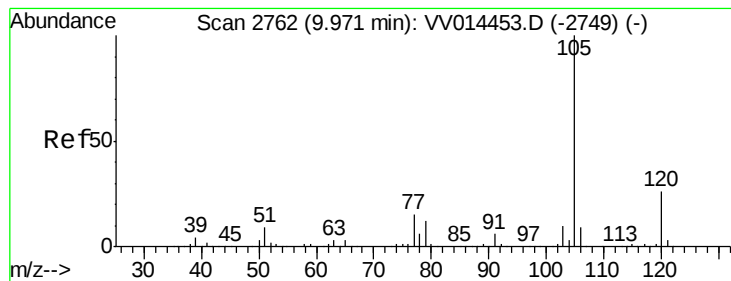
#55
Styrene
Concen: 4.629 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.01 min
Lab File: VV014451.D
Acq: 31 Jan 2020 14:12

Tgt Ion:104 Resp: 40044
Ion Ratio Lower Upper
104 100
78 43.2 31.3 58.1



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





#56

Isopropylbenzene

Concen: 4.763 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampled :

VSTD00565

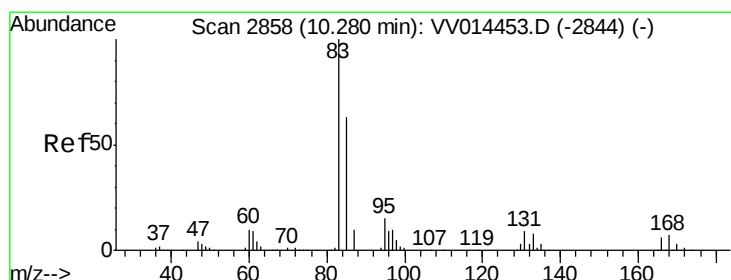
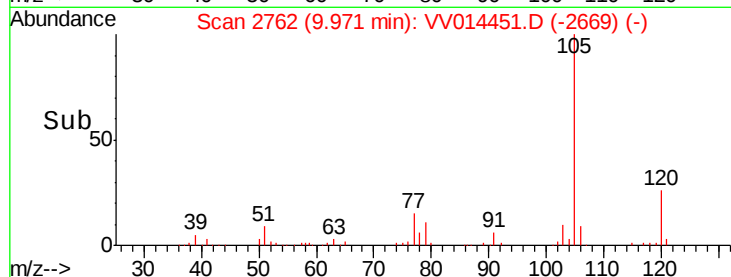
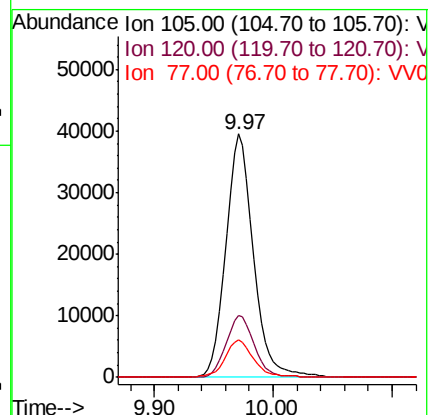
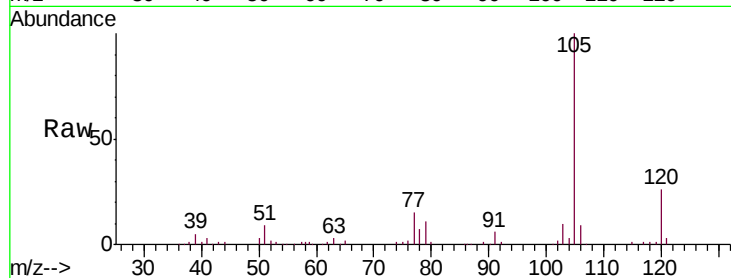
Tgt Ion: 105 Resp: 63434

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.6

77 16.0 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 4.583 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

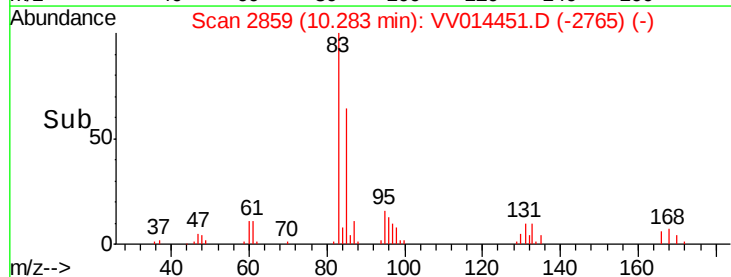
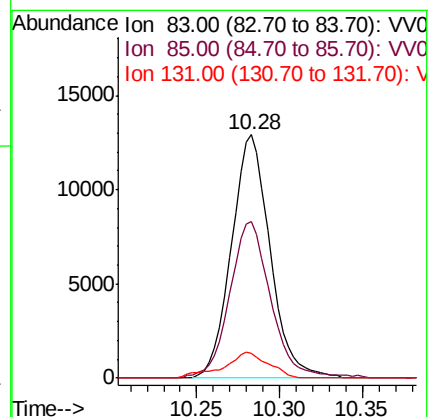
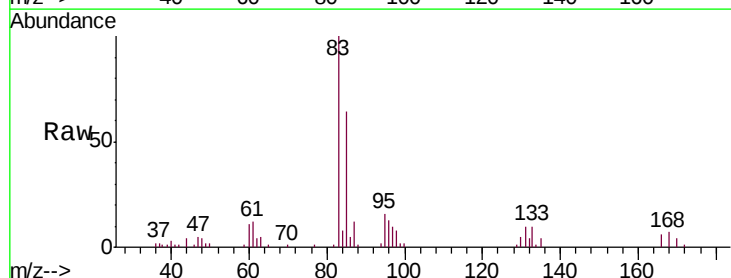
Tgt Ion: 83 Resp: 20992

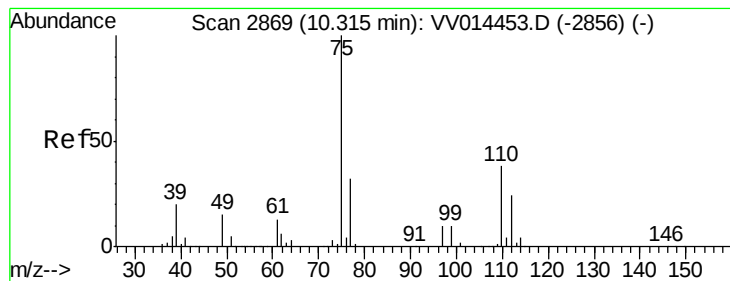
Ion Ratio Lower Upper

83 100

85 64.1 44.2 82.2

131 10.1 7.6 11.4





#59

1,2,3-Trichloropropane

Concen: 4.410 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

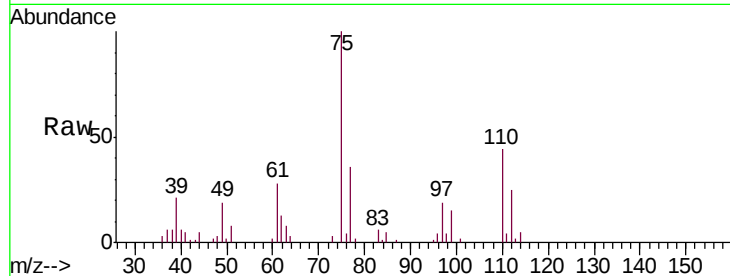
VSTD00565

Tgt Ion: 75 Resp: 16734

Ion Ratio Lower Upper

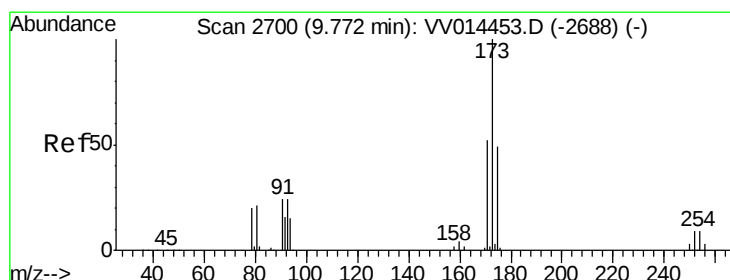
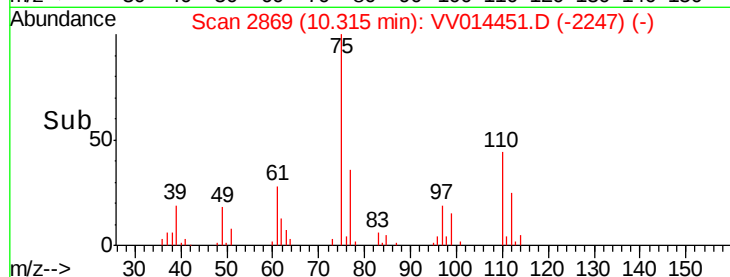
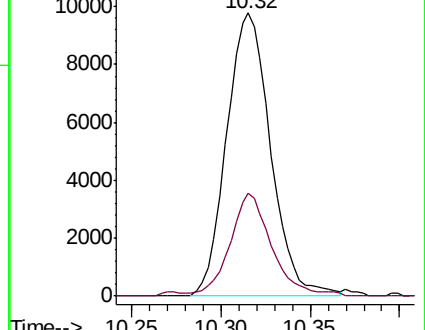
75 100

77 32.3 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014453.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014453.D (-2856) (-)



#61

Bromoform

Concen: 3.972 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

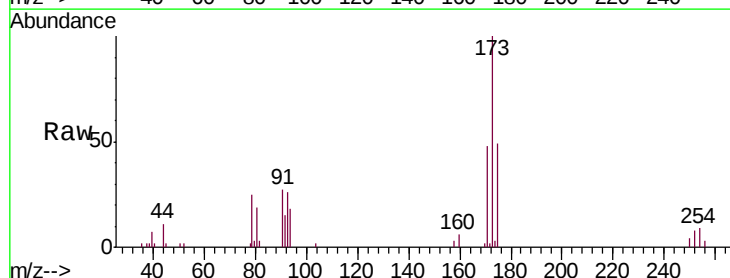
Tgt Ion: 173 Resp: 9077

Ion Ratio Lower Upper

173 100

175 47.8 38.8 58.2

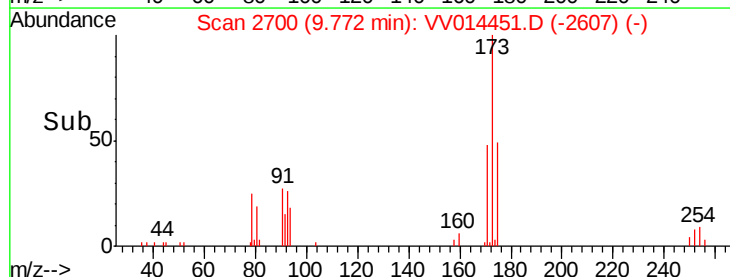
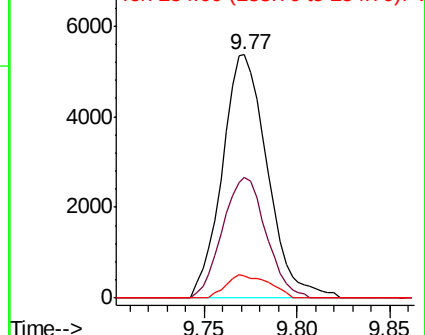
254 9.0 7.0 10.6

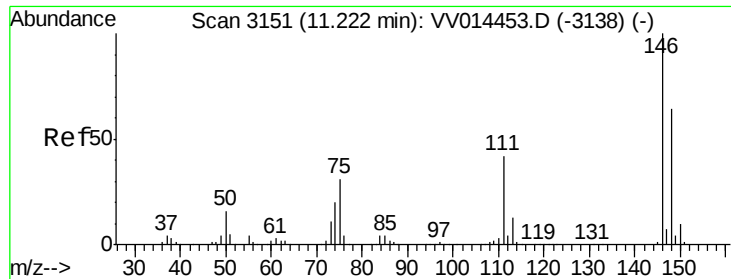


Abundance Ion 173.00 (172.70 to 173.70): VV014453.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014453.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014453.D (-2688) (-)

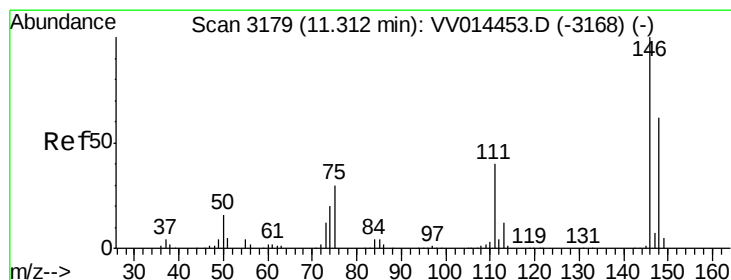
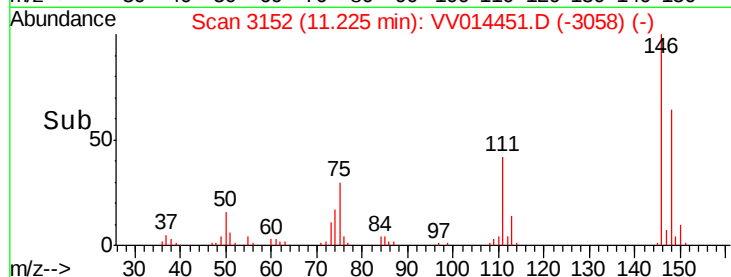
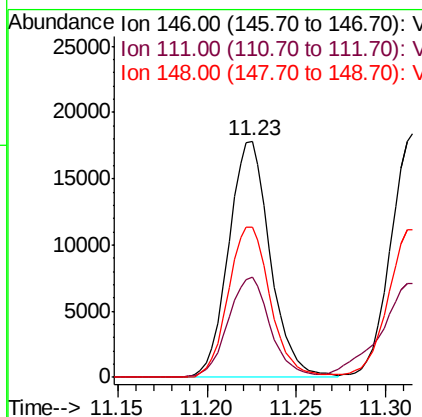
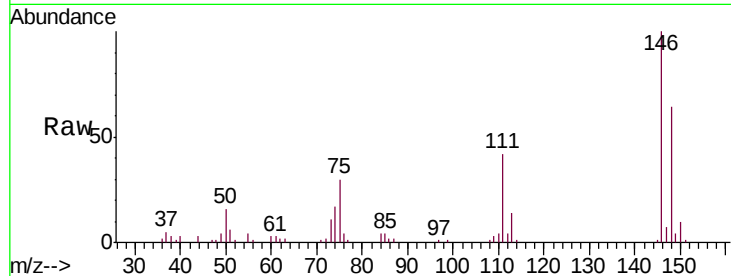




#62
 1,3-Dichlorobenzene
 Concen: 4.659 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

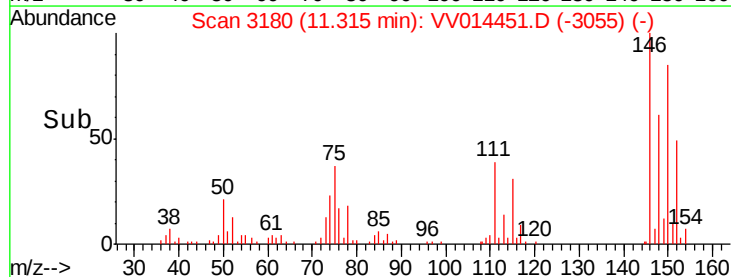
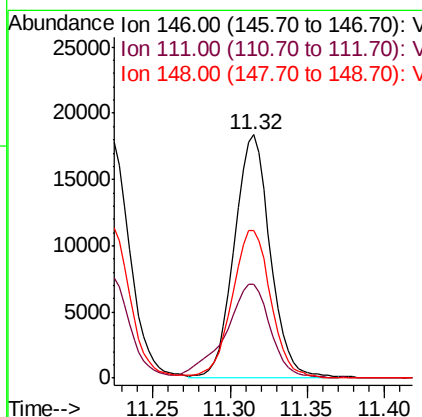
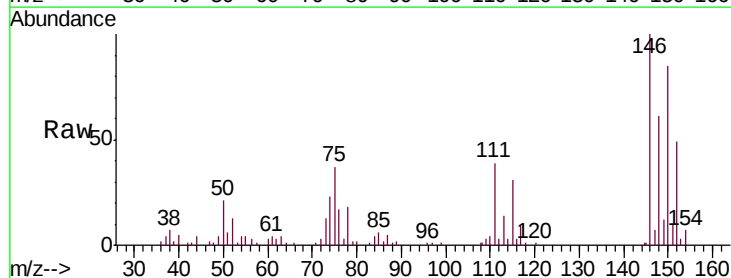
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

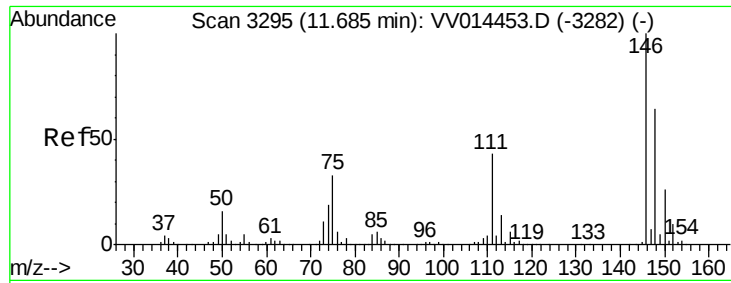
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	29.3	54.3
148	63.6	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 4.641 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	28.1	52.1
148	60.8	43.5	80.9





#65

1,2-Dichlorobenzene

Concen: 4.727 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

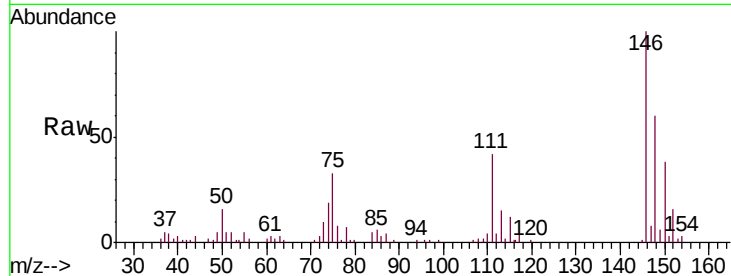
Tgt Ion: 146 Resp: 29363

Ion Ratio Lower Upper

146 100

111 42.0 34.6 51.8

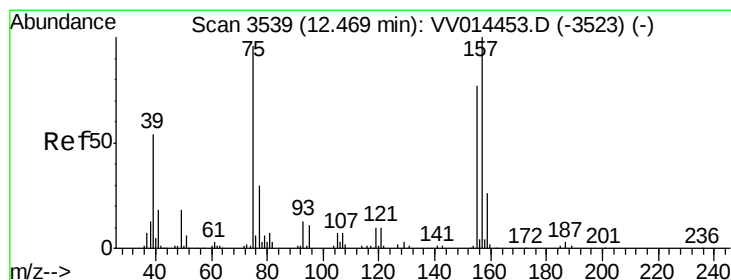
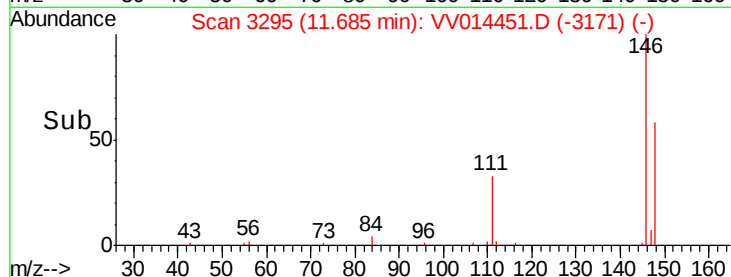
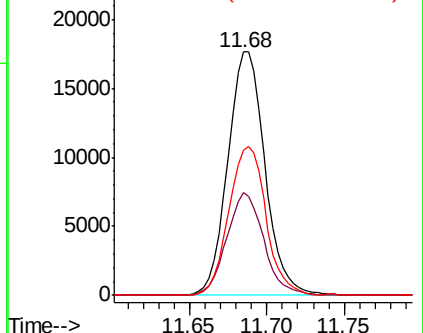
148 59.8 51.2 76.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.159 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

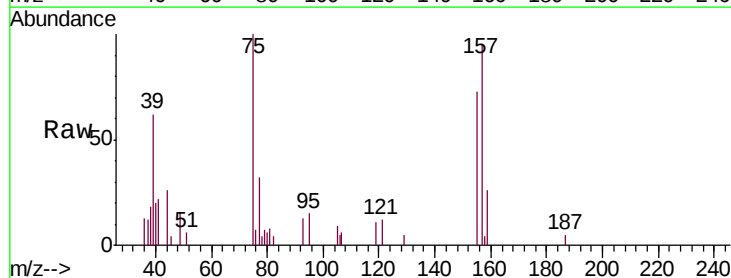
Tgt Ion: 75 Resp: 4575

Ion Ratio Lower Upper

75 100

155 72.6 64.2 96.2

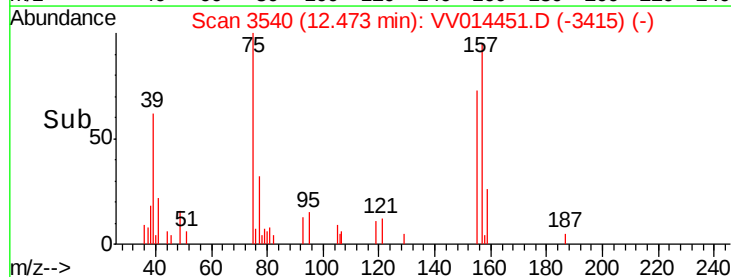
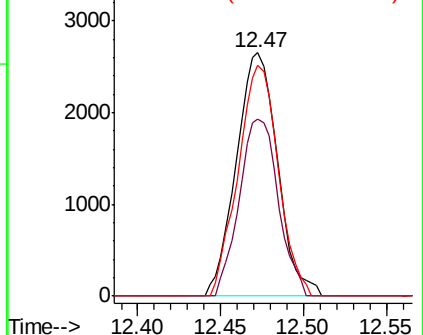
157 95.0 83.4 125.2

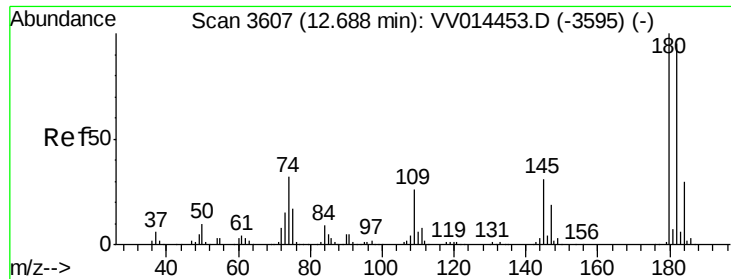


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

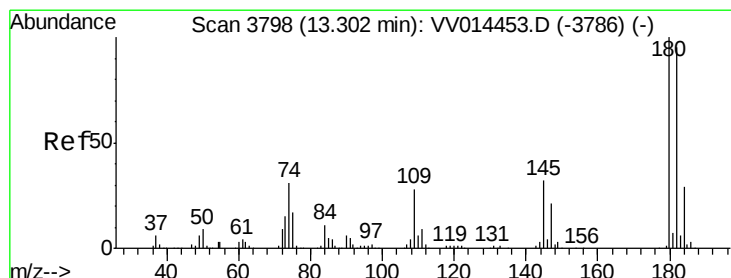
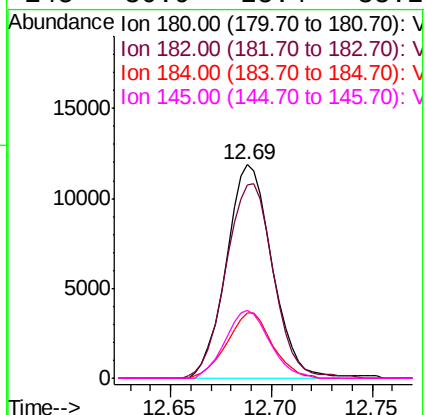
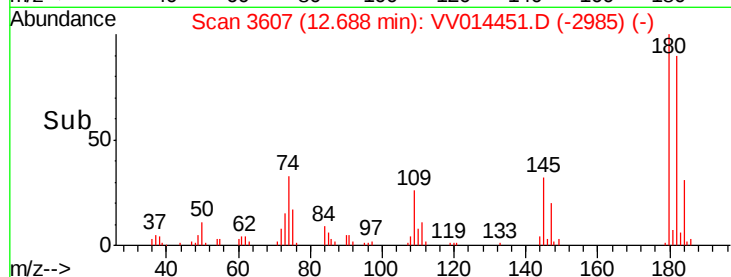
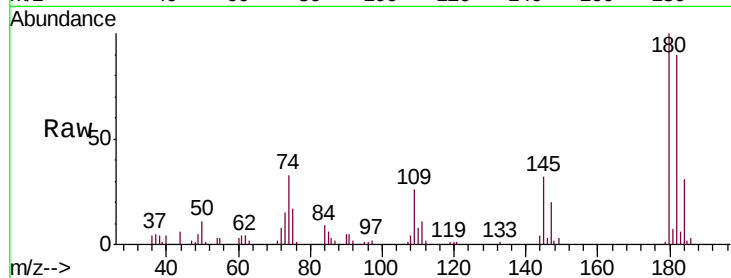




#67
 1,3,5-Trichlorobenzene
 Concen: 3.823 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

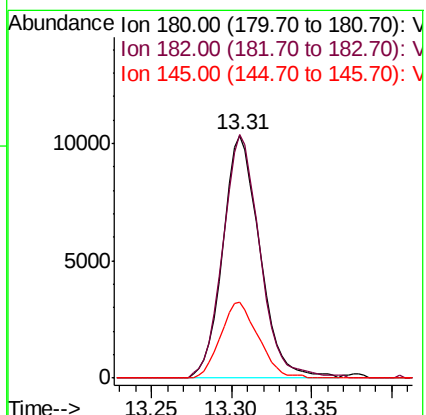
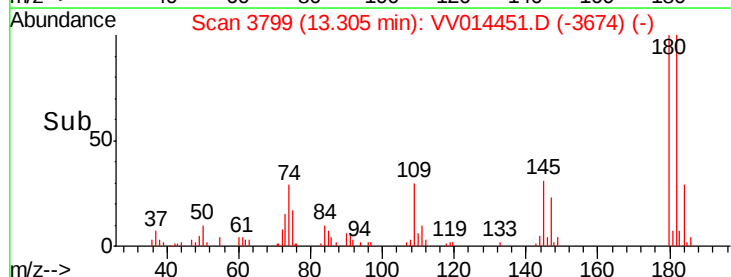
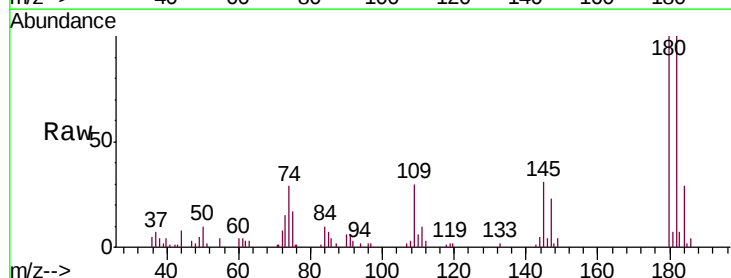
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

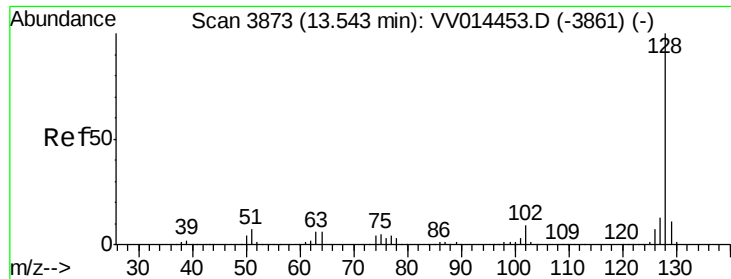
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.3	114.5
184	30.3	24.2	36.2
145	30.9	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 3.654 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014451.D
 Acq: 31 Jan 2020 14:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.1	76.0	114.0
145	31.6	26.2	39.2





#69

Naphthalene

Concen: 3.837 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

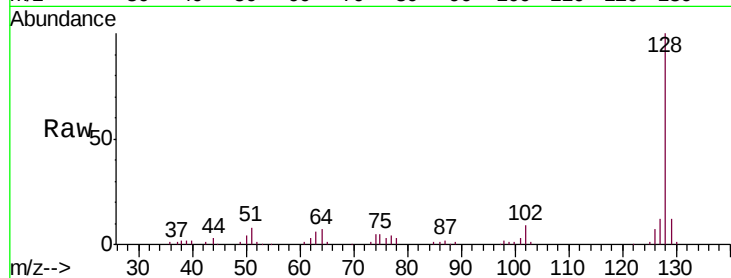
Tgt Ion:128 Resp: 46454

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

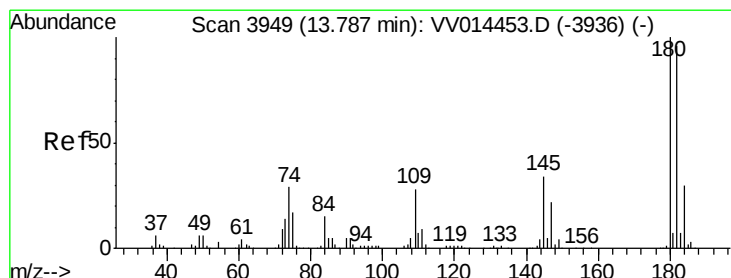
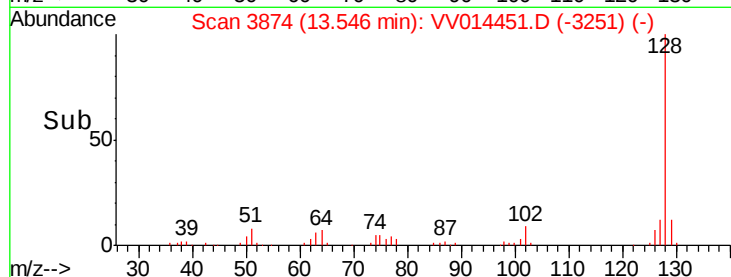
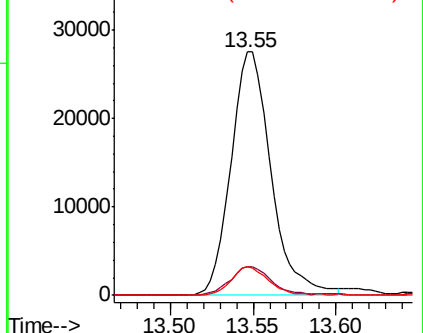
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 3.454 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014451.D

Acq: 31 Jan 2020 14:12

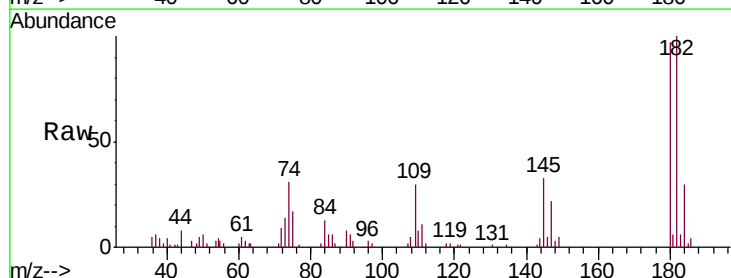
Tgt Ion:180 Resp: 15846

Ion Ratio Lower Upper

180 100

182 101.6 77.5 116.3

145 33.5 27.8 41.6



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

