

Data File : VV014453.D
Acq On : 31 Jan 2020 15:00
Operator : SY/MD
Sample : VSTD05061
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Quant Time: Feb 01 01:41:45 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	407951	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	380219	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	181598	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112492	47.84	ug/L	0.00
7) Chloroethane-d5	1.58	69	71684	31.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	152639	31.77	ug/L	0.00
21) 2-Butanone-d5	3.92	46	158555	97.82	ug/L	0.00
24) Chloroform-d	4.40	84	248055	50.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	145360	46.96	ug/L	0.00
32) Benzene-d6	5.10	84	513754	51.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	162200	53.90	ug/L	0.00
41) Toluene-d8	7.36	98	479411	53.10	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	81524	55.40	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	129401	114.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	208575	49.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	172057	48.17	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	170137	46.998	ug/L	100
3) Chloromethane	1.26	50	181352	53.132	ug/L	100
5) Vinyl chloride	1.32	62	142357	42.150	ug/L	100
6) Bromomethane	1.53	94	46822	24.854	ug/L	100
8) Chloroethane	1.60	64	63321	29.927	ug/L	100
9) Trichlorofluoromethane	1.77	101	166544	33.199	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	79094	28.295	ug/L	100
12) 1,1-Dichloroethene	2.14	96	76782	28.355	ug/L	100
13) Acetone	2.18	43	112803	51.127	ug/L	100
14) Carbon disulfide	2.32	76	382410	48.476	ug/L	100
15) Methyl Acetate	2.46	43	127307	43.334	ug/L	100
16) Methylene chloride	2.54	84	148164	47.994	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	135981	47.011	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	422240	50.084	ug/L	100
19) 1,1-Dichloroethane	3.23	63	251149	47.940	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	151630	48.484	ug/L	100
22) 2-Butanone	4.01	43	194286	85.851	ug/L	100
23) Bromochloromethane	4.30	128	71294	42.156	ug/L	100
25) Chloroform	4.42	83	249070	45.034	ug/L	100
27) 1,2-Dichloroethane	5.18	62	181297	45.686	ug/L	100
29) Cyclohexane	4.73	56	238940	53.179	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	211106	46.613	ug/L	100
31) Carbon tetrachloride	4.87	117	180700	45.001	ug/L	100
33) Benzene	5.14	78	574442	50.661	ug/L	100
34) Trichloroethene	5.95	95	143876	47.775	ug/L	100
35) Methylcyclohexane	6.17	83	240873	52.380	ug/L	100
37) 1,2-Dichloropropane	6.22	63	143741	52.016	ug/L	100
38) Bromodichloromethane	6.55	83	192258	49.346	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	243150	54.953	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	355961	99.843	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	606083	51.655	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	209333	52.733	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	136932	50.282	ug/L	100
46) Tetrachloroethene	8.02	164	103914	39.690	ug/L	100
48) 2-Hexanone	8.18	43	287337	99.866	ug/L	100
49) Dibromochloromethane	8.29	129	150294	45.882	ug/L	100
50) 1,2-Dibromoethane	8.39	107	142140	47.719	ug/L	100
51) Chlorobenzene	8.92	112	381792	47.619	ug/L	100
52) Ethylbenzene	9.05	91	674423	51.969	ug/L	100
53) m,p-Xylene	9.18	106	256130	51.452	ug/L	100
54) o-xylene	9.58	106	250745	52.034	ug/L	100
55) Styrene	9.60	104	428053	51.891	ug/L	100
56) Isopropylbenzene	9.97	105	640442	50.426	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	212944	48.748	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	167677	46.343	ug/L	100
61) Bromoform	9.77	173	97924	44.714	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	284163	47.712	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	290070	47.148	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	281223	47.247	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	44102	51.895	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	191695	40.662	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	176343	41.071	ug/L	100
69) Naphthalene	13.54	128	565460	48.741	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	169247	38.501	ug/L	100

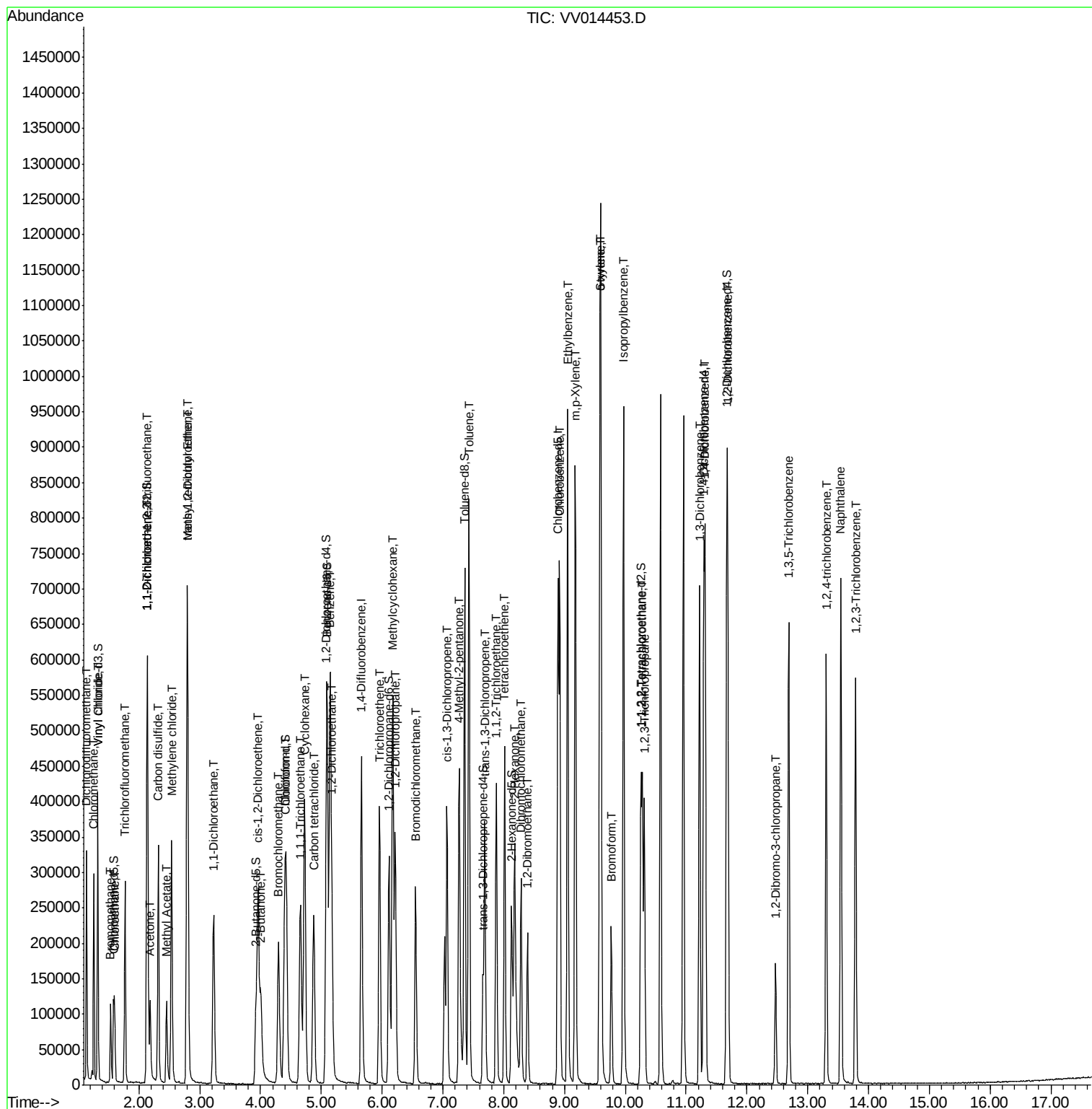
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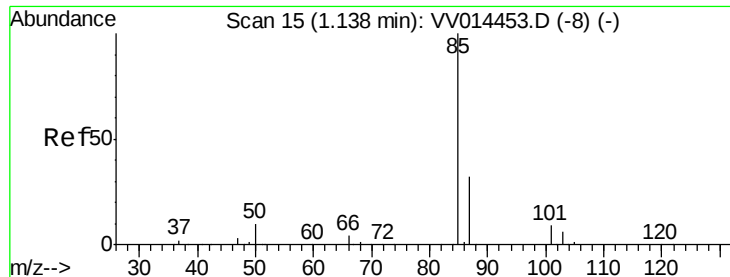
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#2

Dichlorodifluoromethane

Concen: 46.998 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

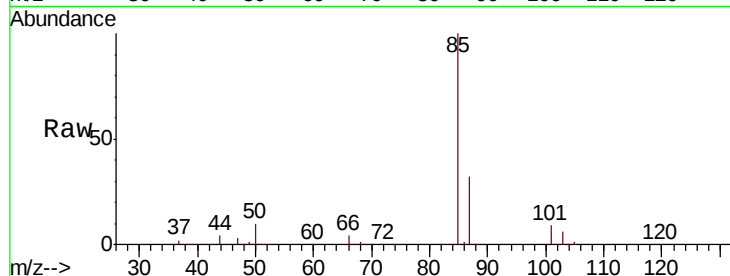
VSTD05061

Tgt Ion: 85 Resp: 170137

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

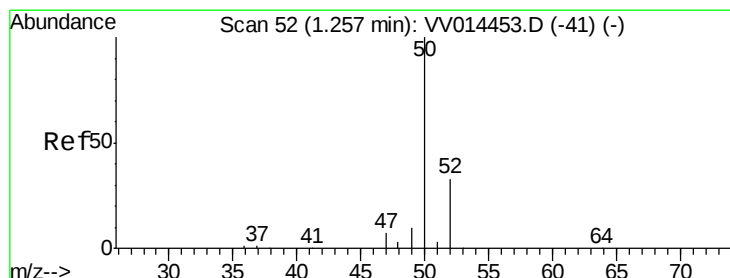
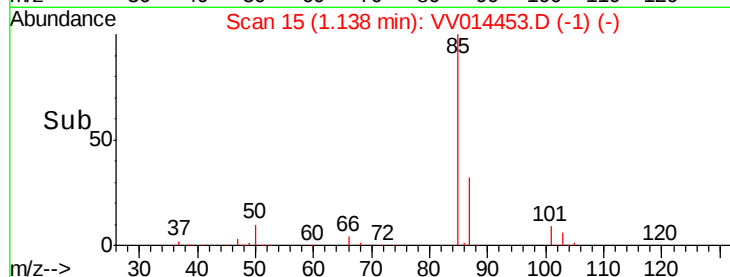
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 53.132 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014453.D

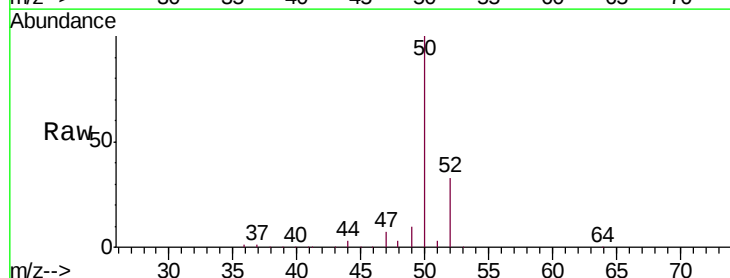
Acq: 31 Jan 2020 15:00

Tgt Ion: 50 Resp: 181352

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.26

200000

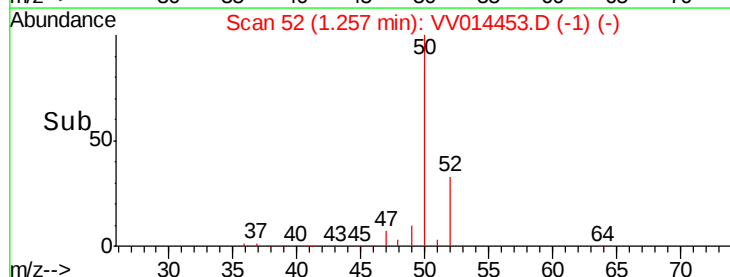
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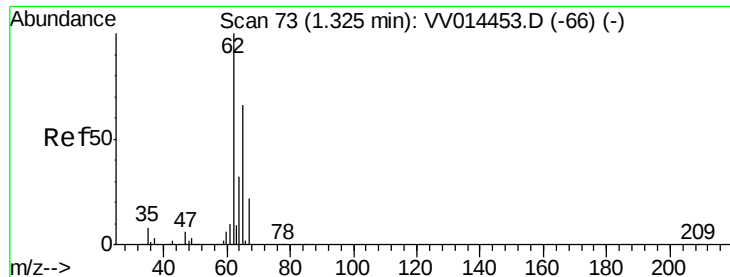
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 42.150 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

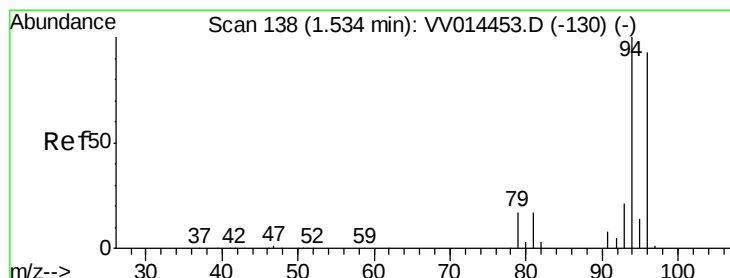
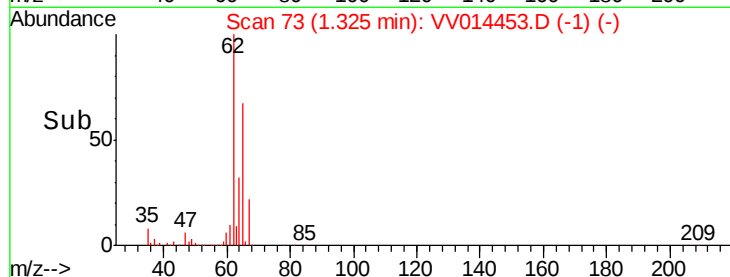
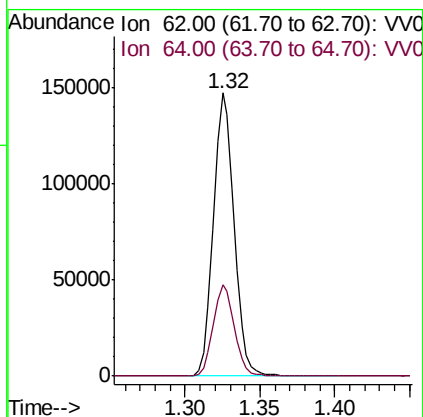
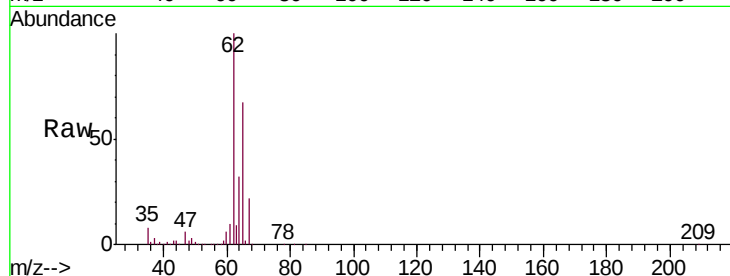
VSTD05061

Tgt Ion: 62 Resp: 142357

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



#6

Bromomethane

Concen: 24.854 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014453.D

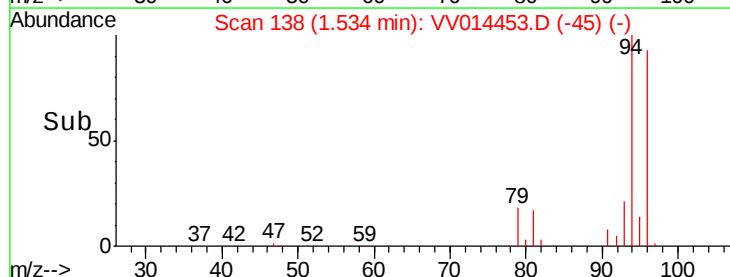
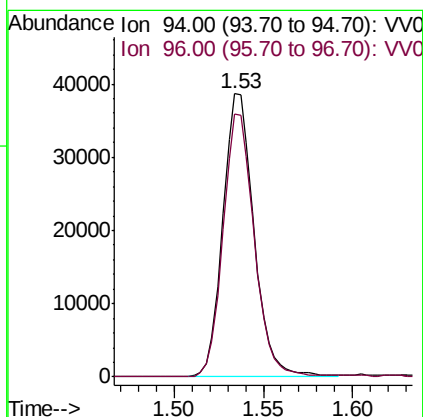
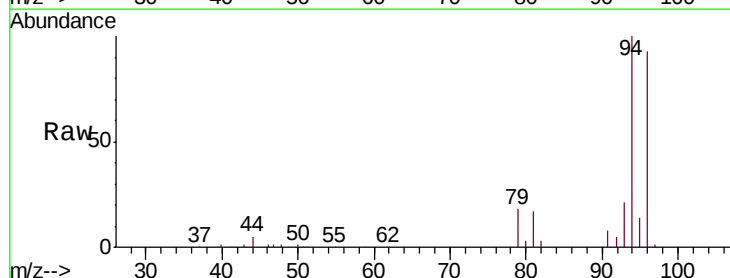
Acq: 31 Jan 2020 15:00

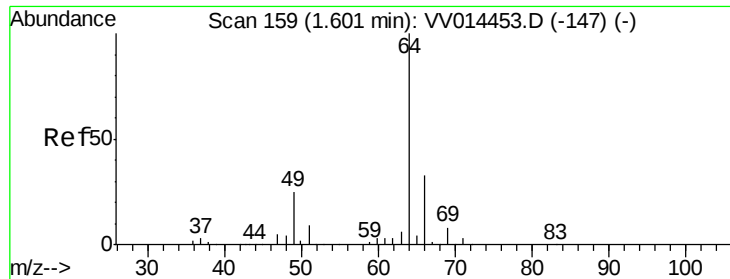
Tgt Ion: 94 Resp: 46822

Ion Ratio Lower Upper

94 100

96 92.9 65.0 120.8





#8

Chloroethane

Concen: 29.927 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

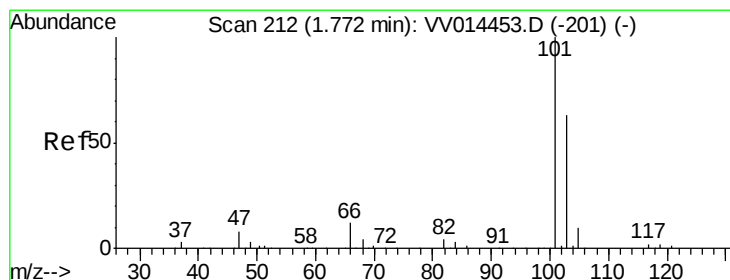
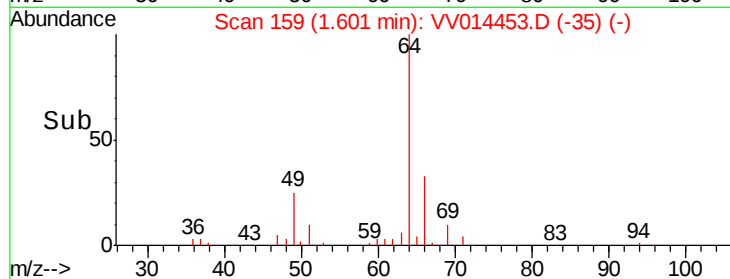
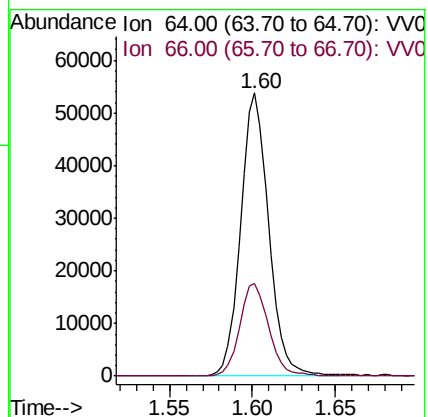
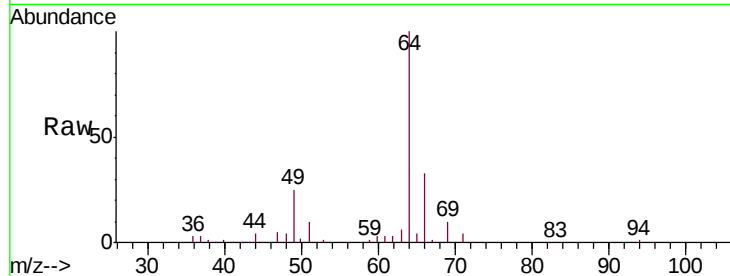
VSTD05061

Tgt Ion: 64 Resp: 63321

Ion Ratio Lower Upper

64 100

66 32.9 23.0 42.8



#9

Trichlorofluoromethane

Concen: 33.199 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014453.D

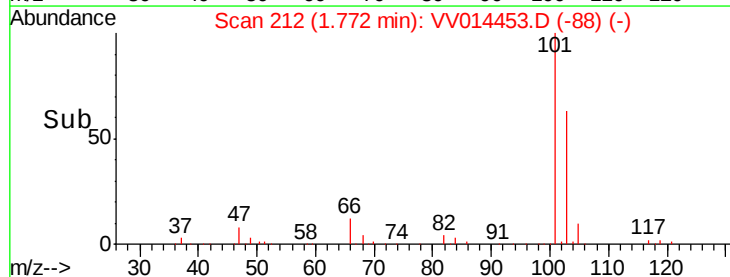
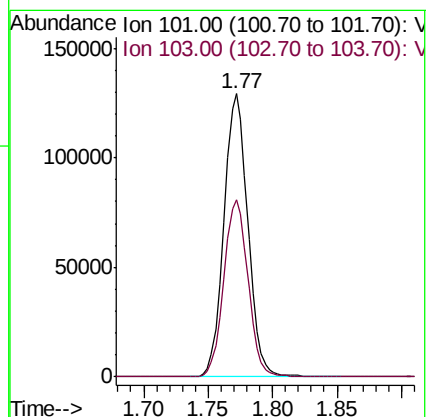
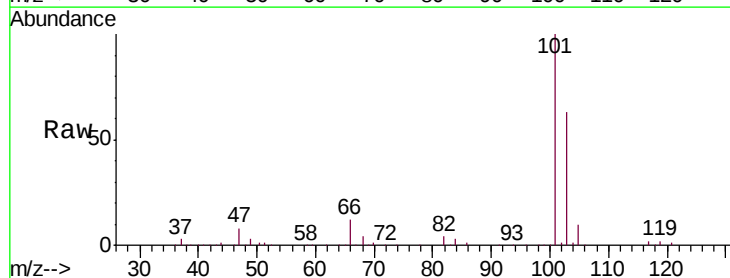
Acq: 31 Jan 2020 15:00

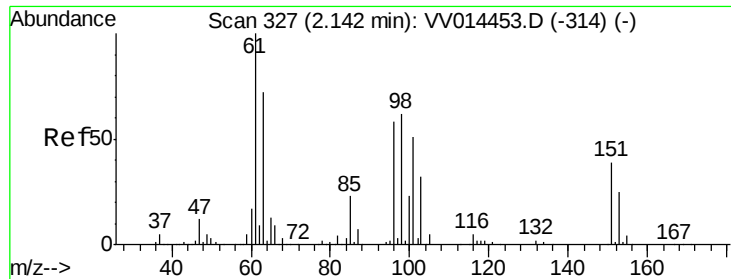
Tgt Ion: 101 Resp: 166544

Ion Ratio Lower Upper

101 100

103 63.2 50.6 75.8





#10

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

Concen: 28.295 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

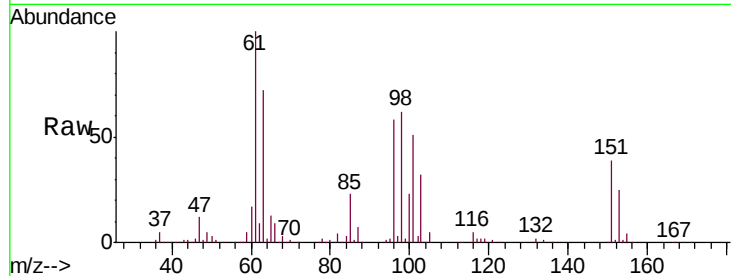
Tgt Ion:101 Resp: 79094

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

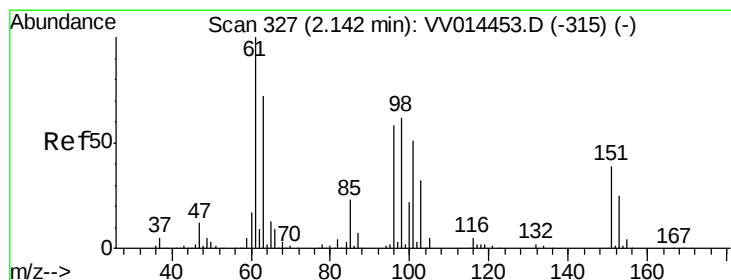
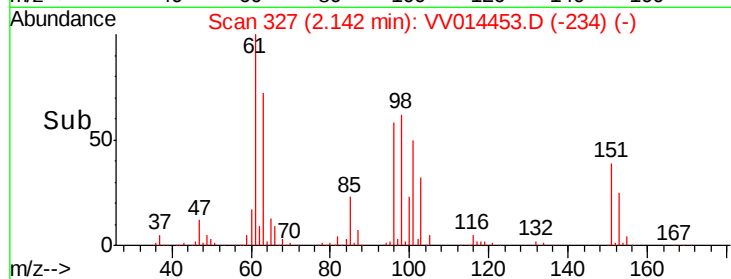
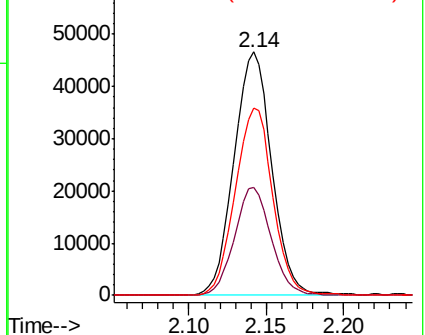
151 76.5 61.2 91.8



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: 28.355 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

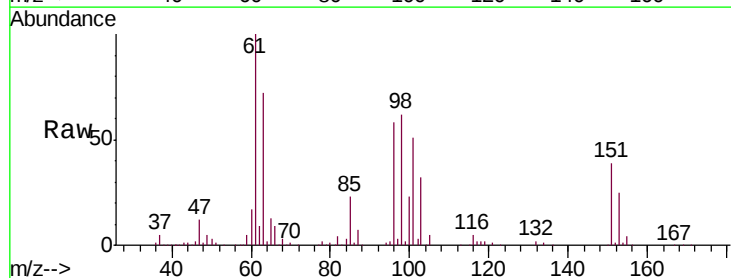
Tgt Ion: 96 Resp: 76782

Ion Ratio Lower Upper

96 100

61 172.1 120.5 223.7

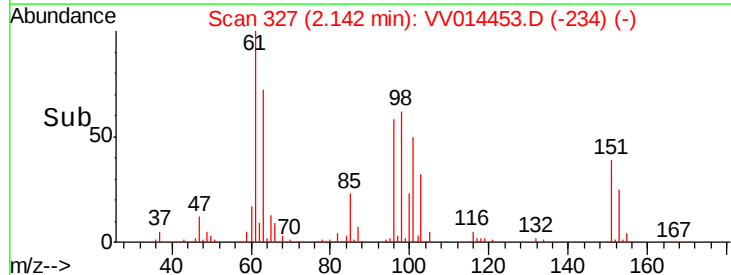
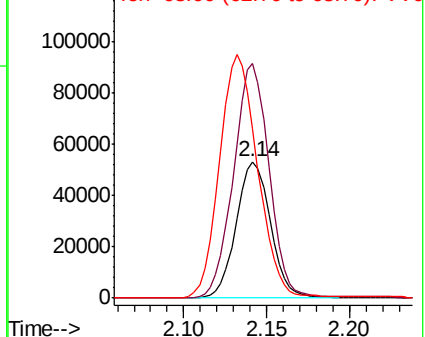
63 124.4 87.1 161.7

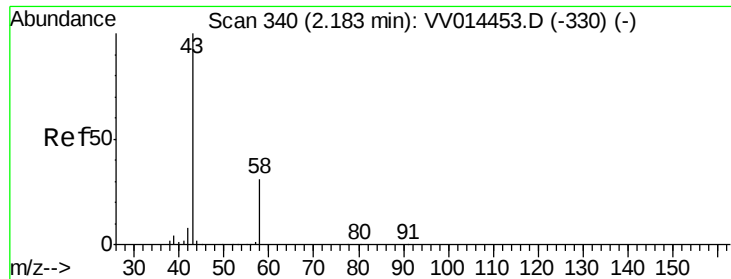


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.127 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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ClientSampleId :

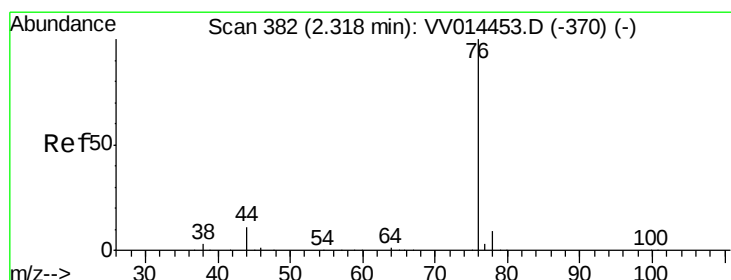
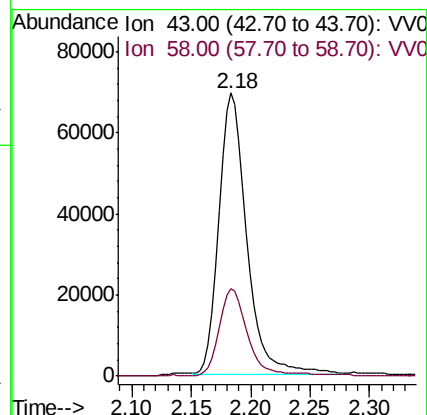
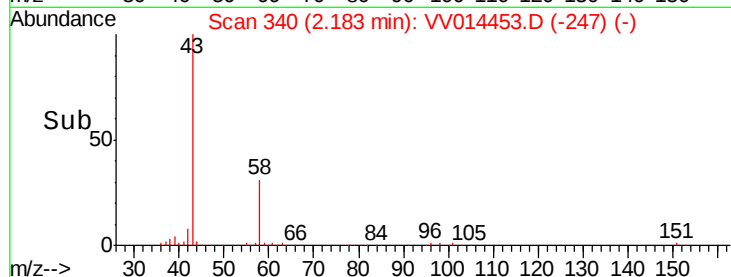
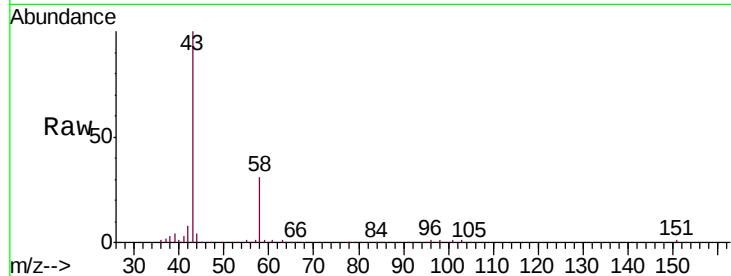
VSTD05061

Tgt Ion: 43 Resp: 112803

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 48.476 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014453.D

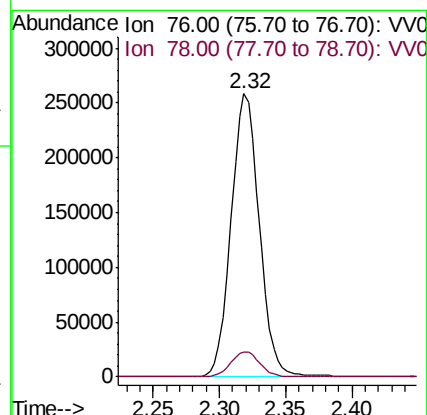
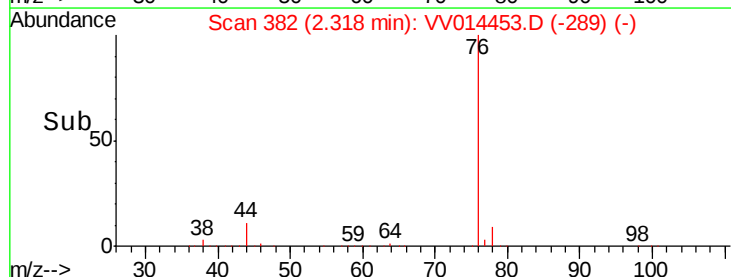
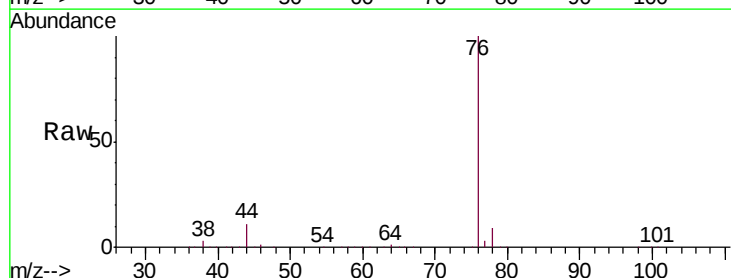
Acq: 31 Jan 2020 15:00

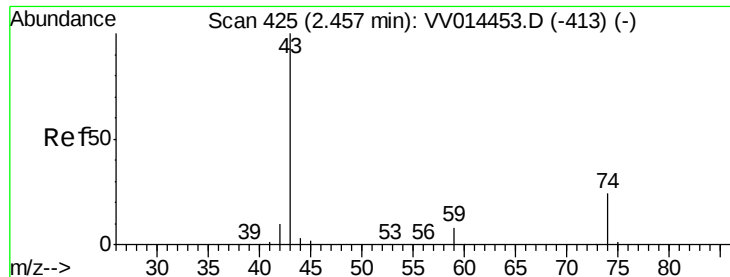
Tgt Ion: 76 Resp: 382410

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

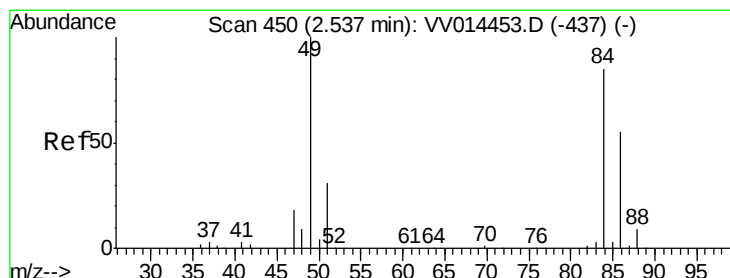
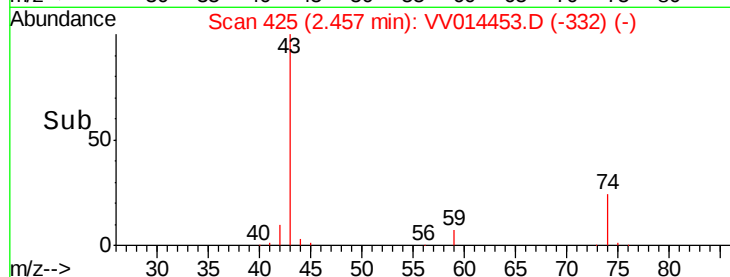
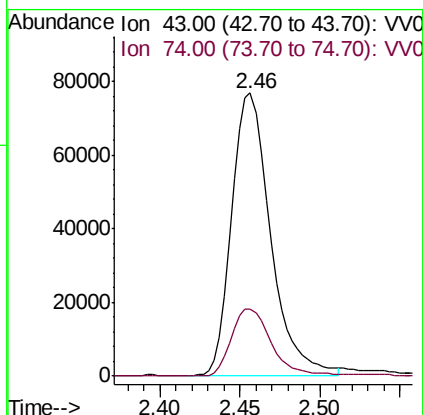
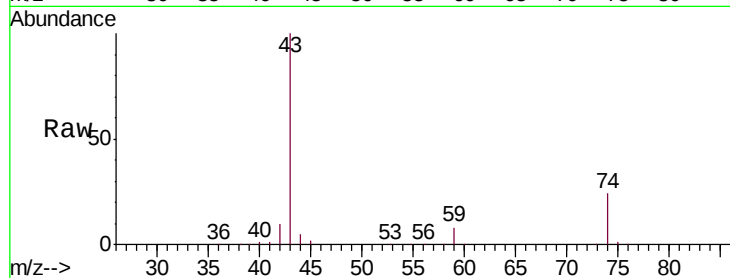




#15
Methyl Acetate
Concen: 43.334 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

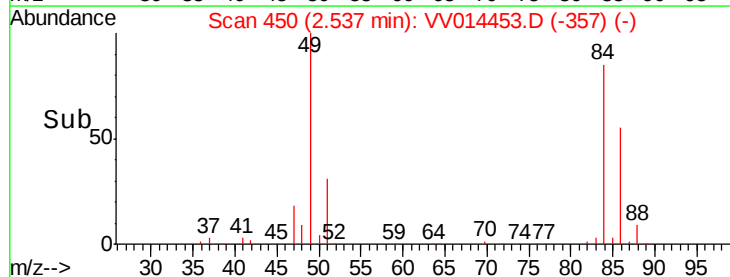
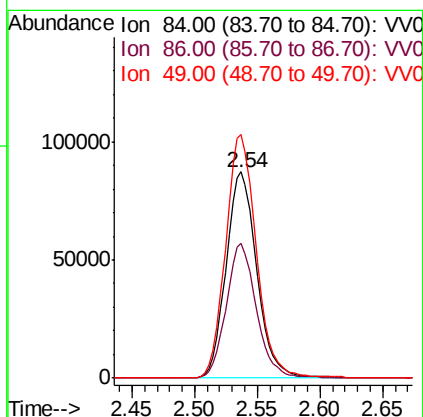
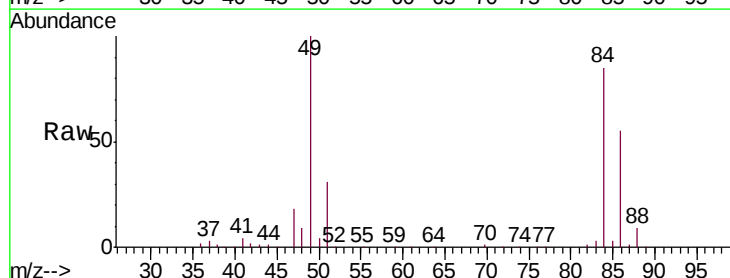
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

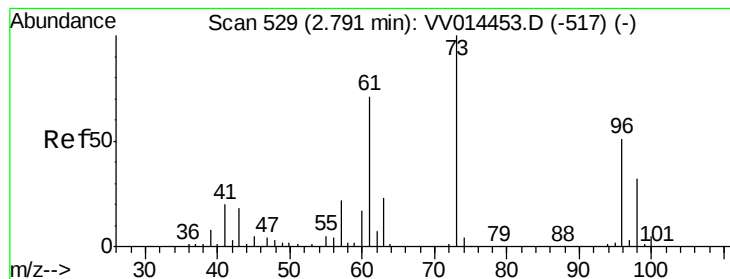
Tgt Ion: 43 Resp: 127307
Ion Ratio Lower Upper
43 100
74 24.5 19.6 29.4



#16
Methylene chloride
Concen: 47.994 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

Tgt Ion: 84 Resp: 148164
Ion Ratio Lower Upper
84 100
86 65.2 45.6 84.8
49 118.2 82.7 153.7





#17

trans-1,2-Dichloroethene

Concen: 47.011 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

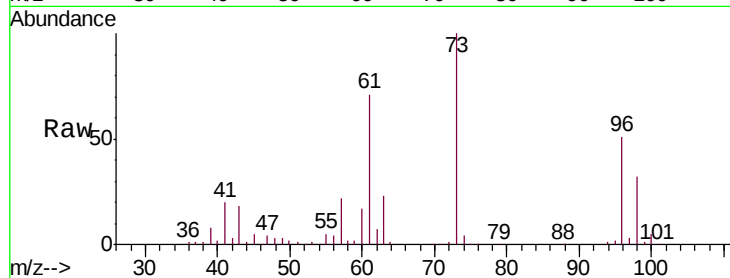
Tgt Ion: 96 Resp: 135981

Ion Ratio Lower Upper

96 100

61 138.2 96.7 179.7

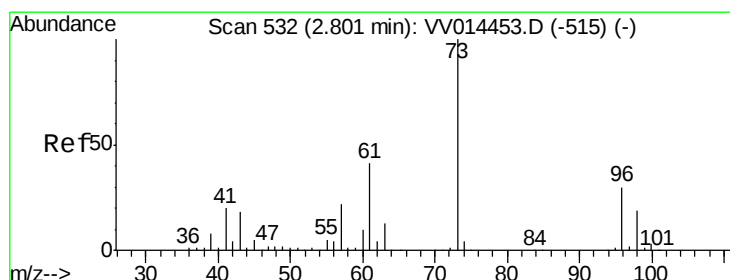
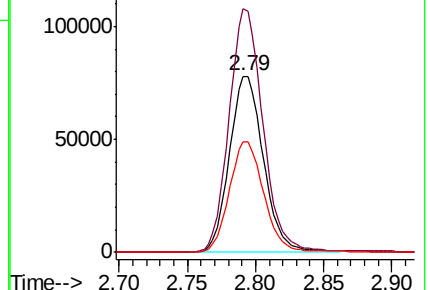
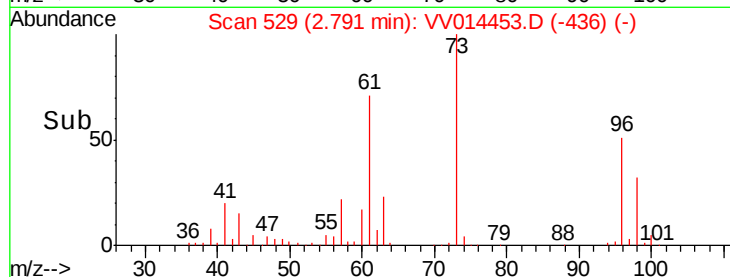
98 63.0 44.1 81.9



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: 50.084 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

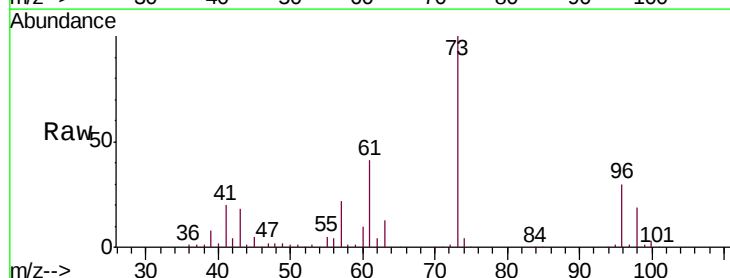
Tgt Ion: 73 Resp: 422240

Ion Ratio Lower Upper

73 100

43 17.6 14.1 21.1

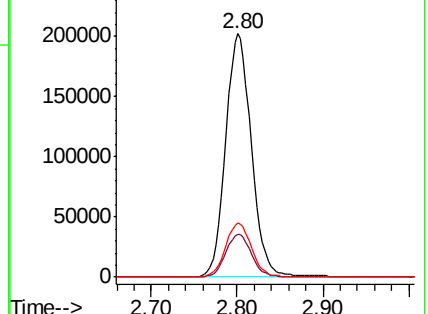
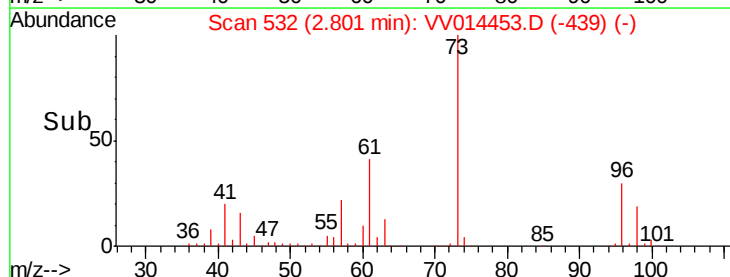
57 22.4 17.9 26.9

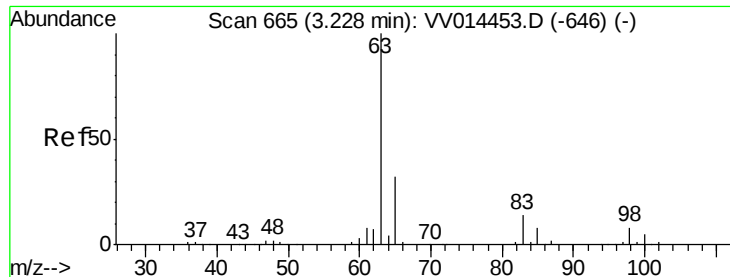


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

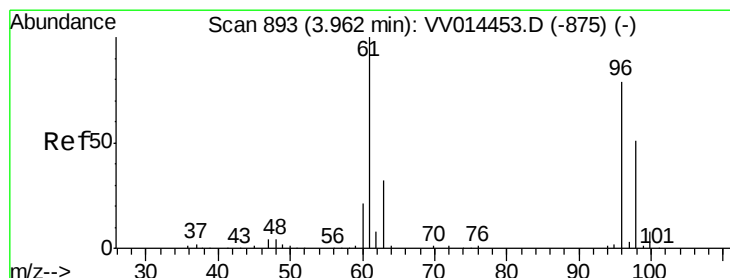
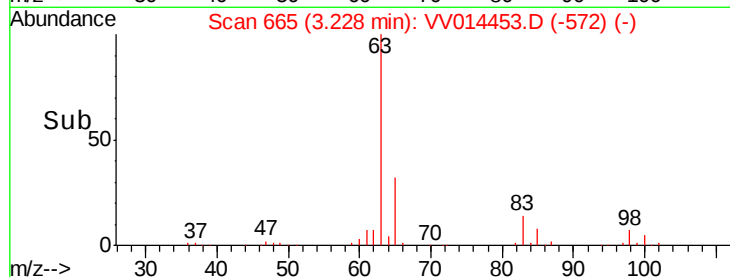
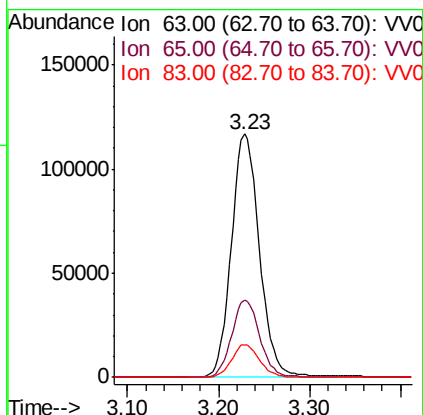
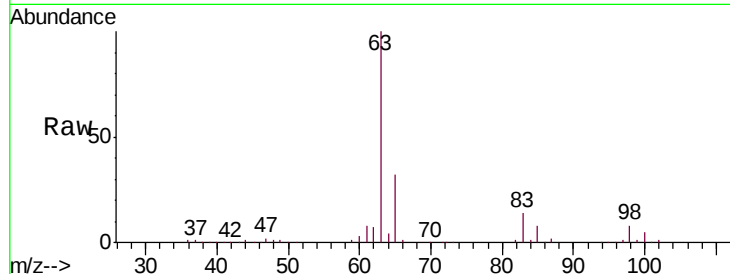




#19
 1,1-Dichloroethane
 Concen: 47.940 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

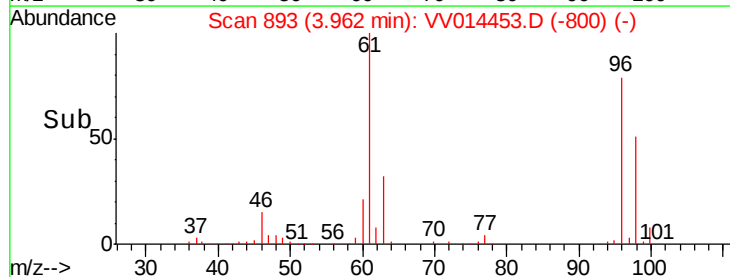
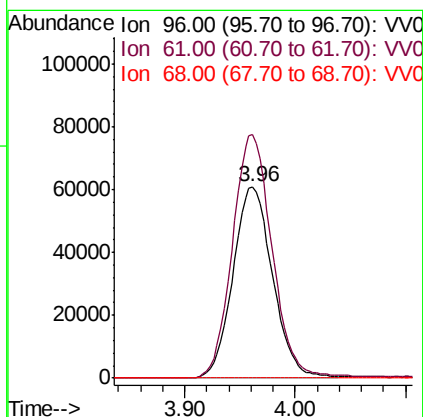
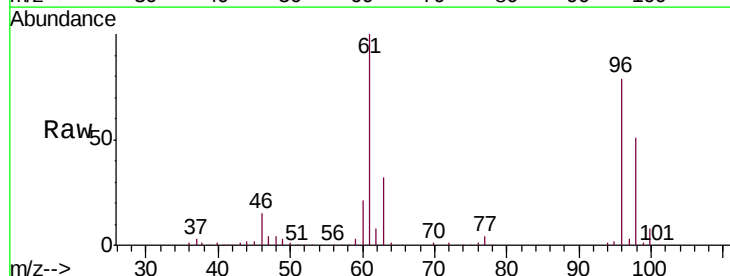
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

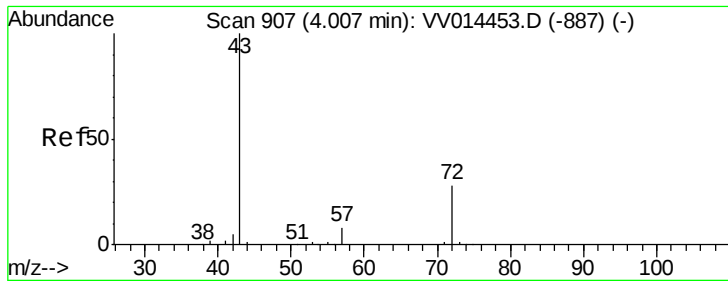
Tgt Ion: 63 Resp: 251149
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.5 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.484 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Tgt Ion: 96 Resp: 151630
 Ion Ratio Lower Upper
 96 100
 61 127.0 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 85.851 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

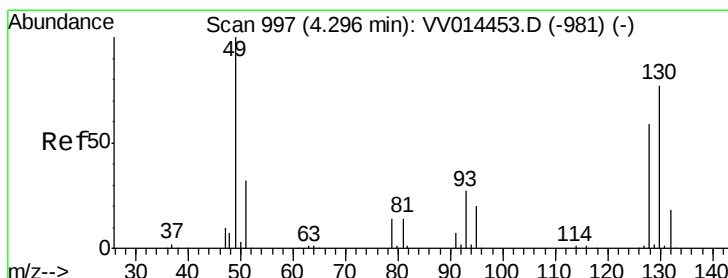
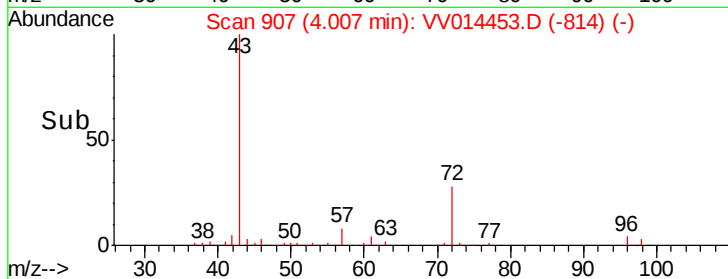
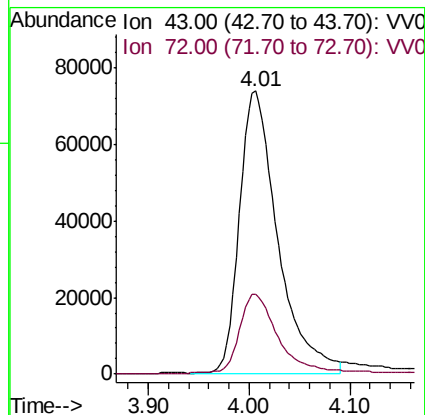
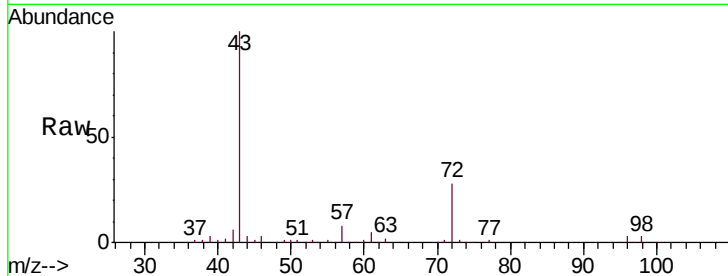
VSTD05061

Tgt Ion: 43 Resp: 194286

Ion Ratio Lower Upper

43 100

72 27.5 13.8 41.3



#23

Bromochloromethane

Concen: 42.156 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Tgt Ion: 128 Resp: 71294

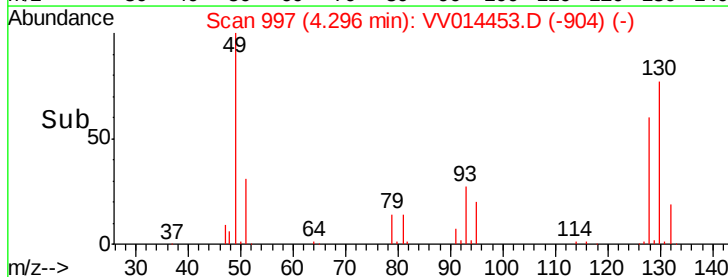
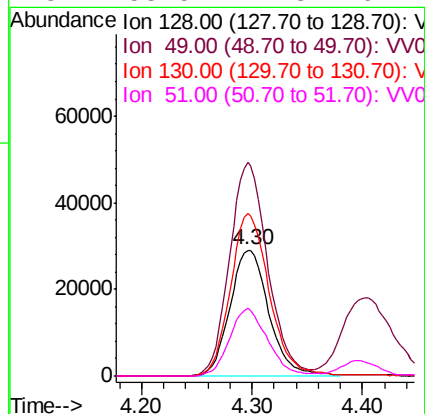
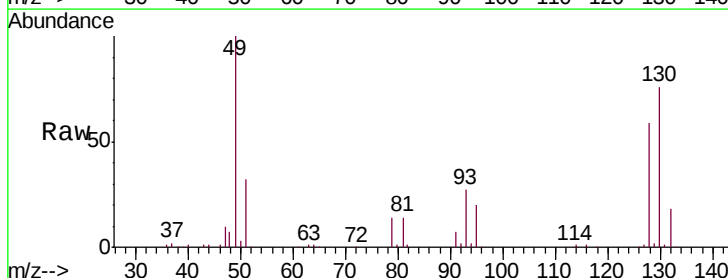
Ion Ratio Lower Upper

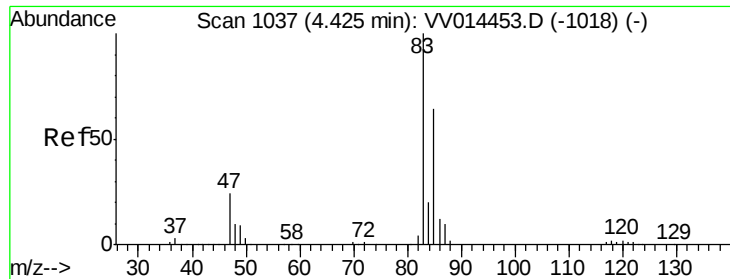
128 100

49 169.7 118.8 220.6

130 129.6 90.7 168.5

51 53.5 42.8 64.2

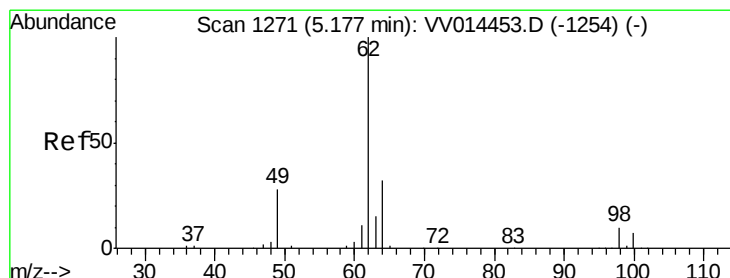
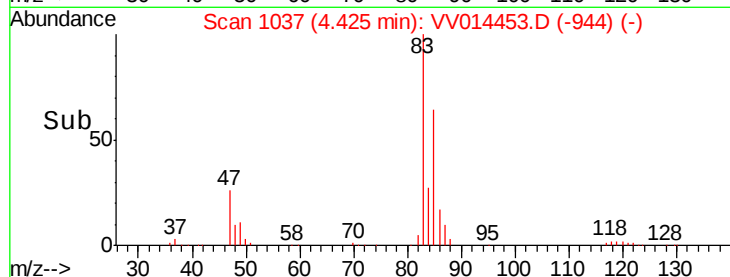
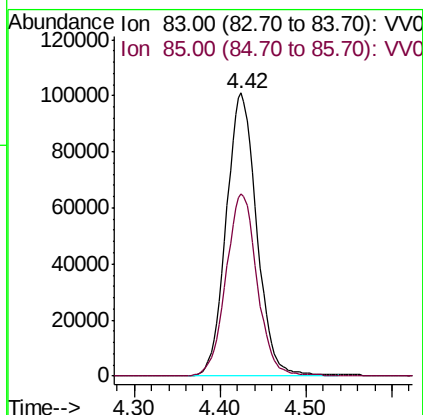
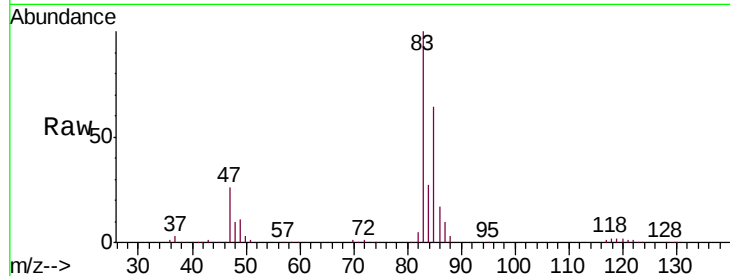




#25
Chloroform
Concen: 45.034 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

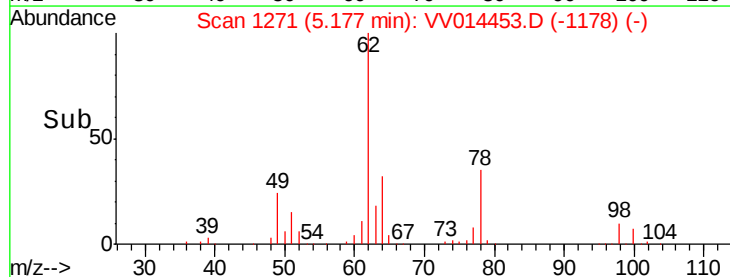
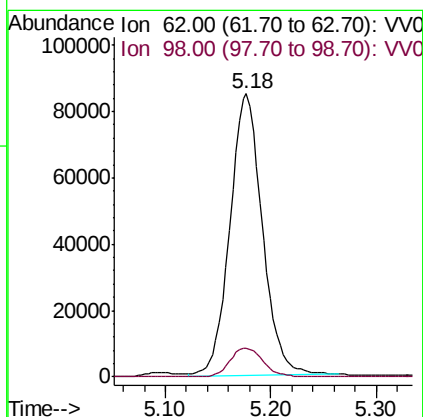
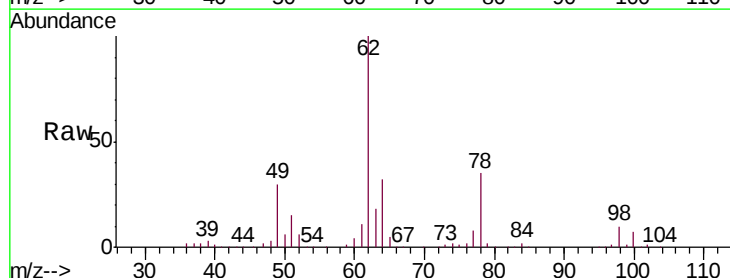
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

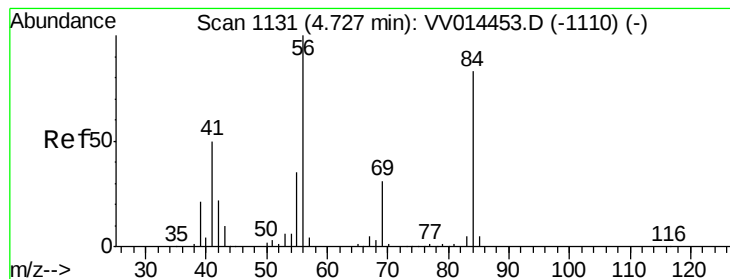
Tgt Ion: 83 Resp: 249070
Ion Ratio Lower Upper
83 100
85 64.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 45.686 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

Tgt Ion: 62 Resp: 181297
Ion Ratio Lower Upper
62 100
98 10.0 8.0 12.0





#29

Cyclohexane

Concen: 53.179 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

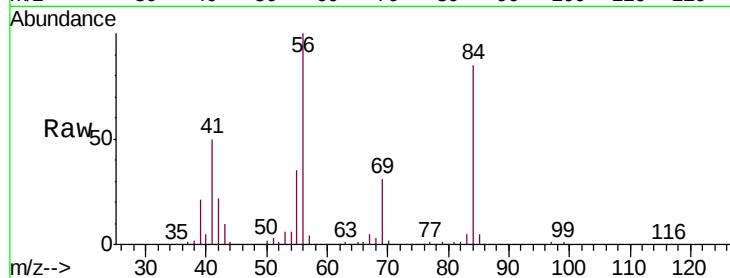
Tgt Ion: 56 Resp: 238940

Ion Ratio Lower Upper

56 100

69 31.1 24.9 37.3

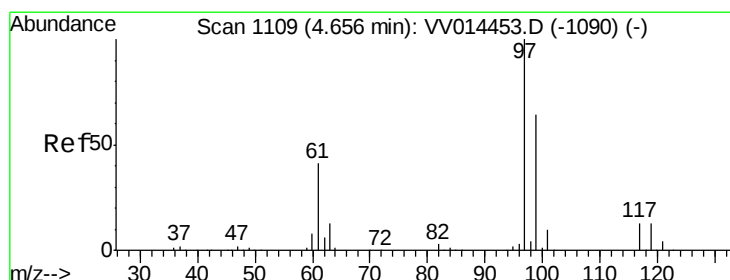
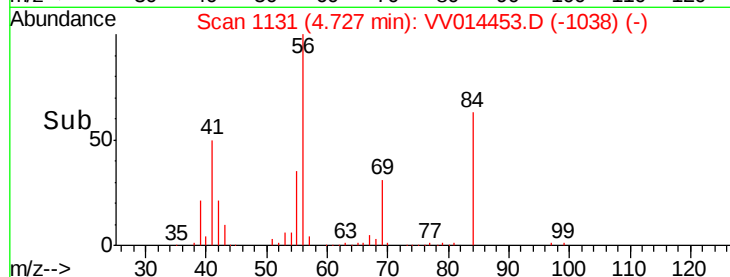
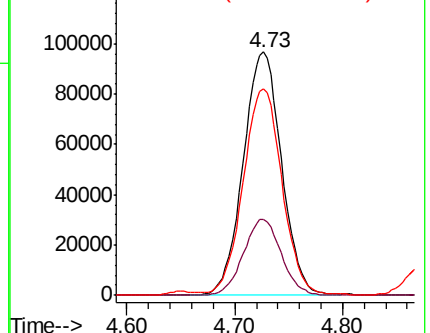
84 85.8 68.6 103.0



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: 46.613 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

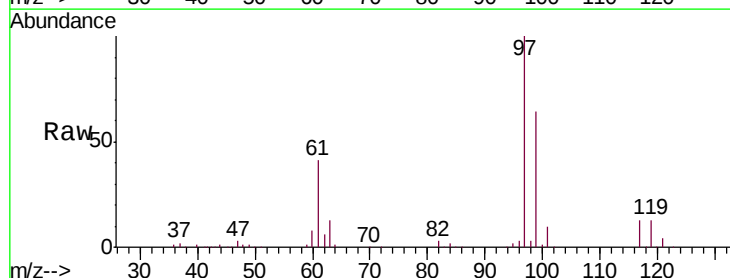
Tgt Ion: 97 Resp: 211106

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

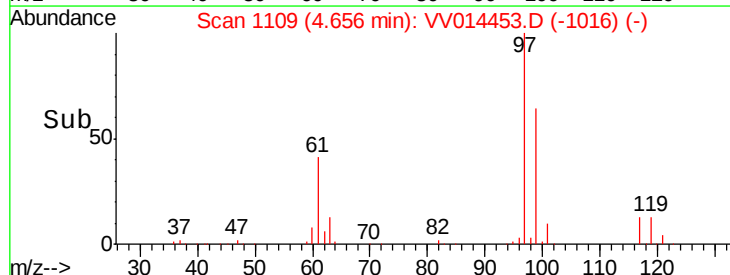
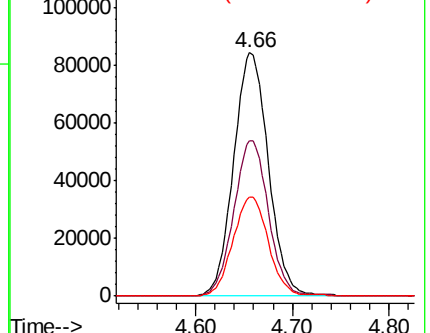
61 41.2 33.0 49.4

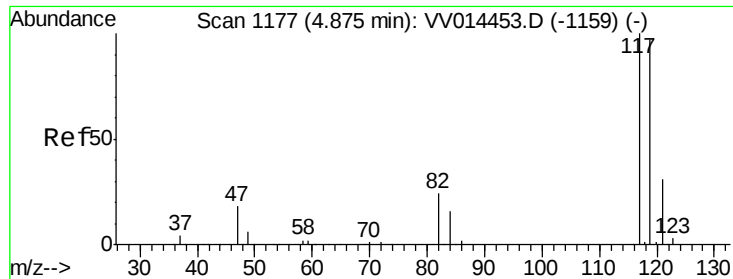


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

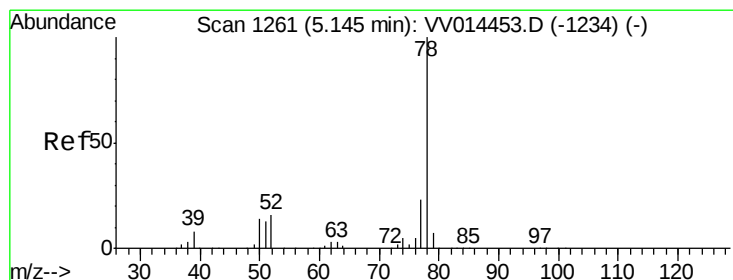
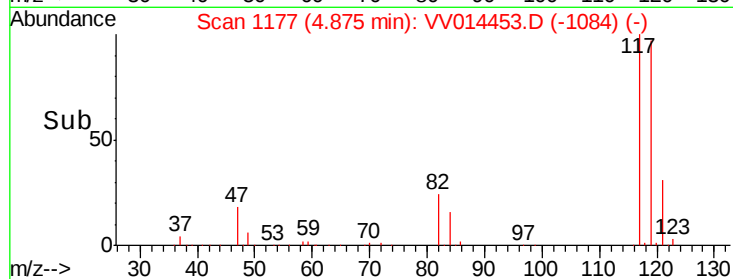
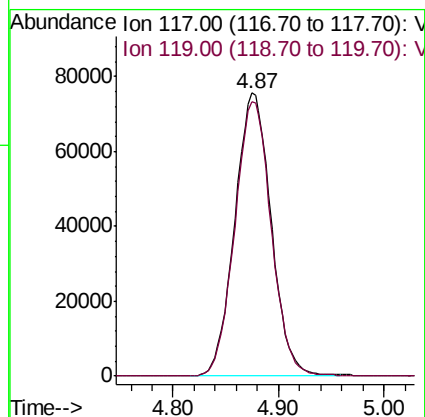
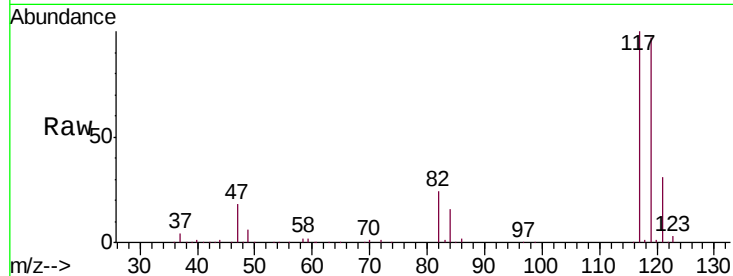




#31
Carbon tetrachloride
Concen: 45.001 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

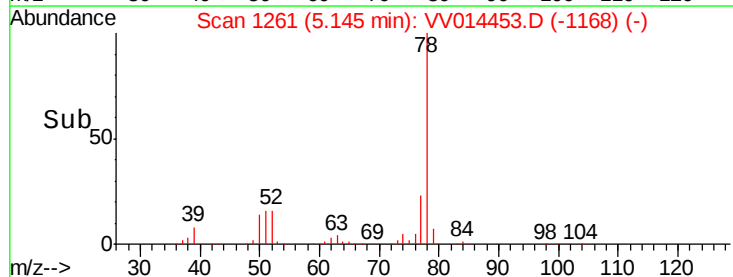
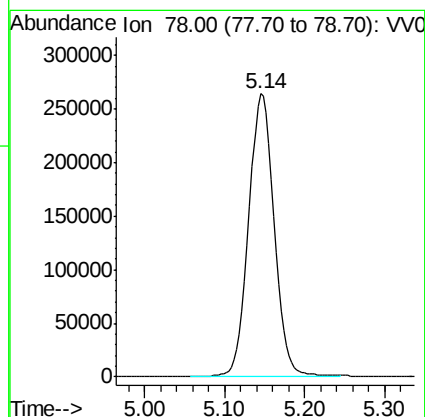
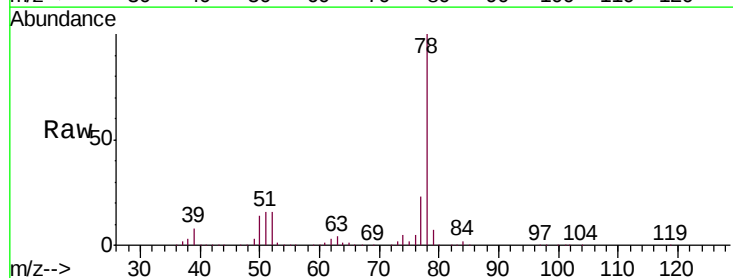
Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

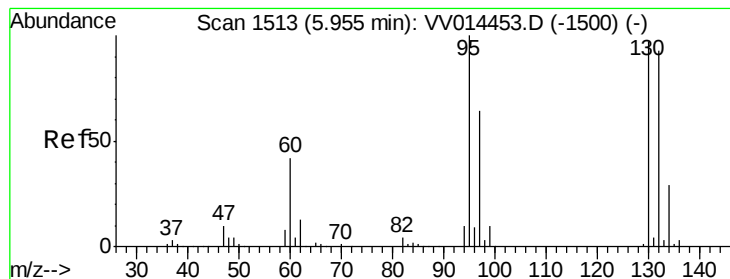
Tgt Ion:117 Resp: 180700
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8



#33
Benzene
Concen: 50.661 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

Tgt Ion: 78 Resp: 574442





#34

Trichloroethene

Concen: 47.775 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampled :

VSTD05061

Tgt Ion: 95 Resp: 143876

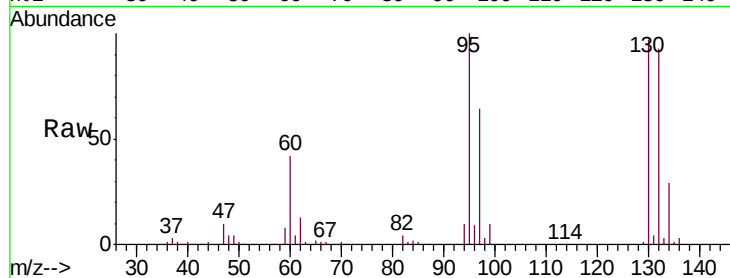
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 93.4 65.4 121.4

130 96.7 67.7 125.7

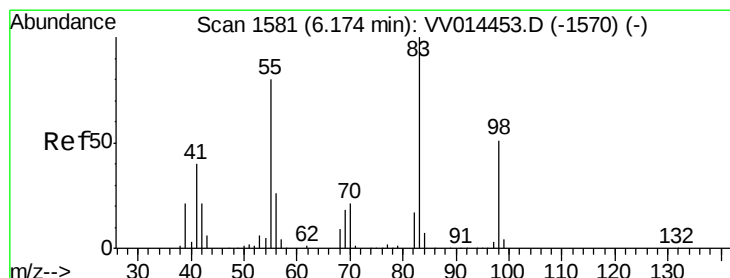
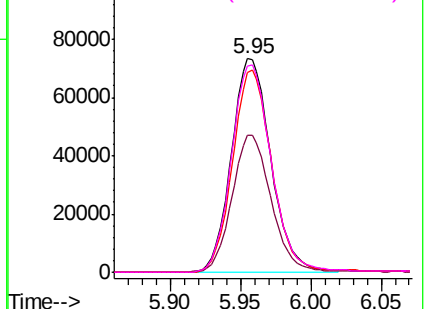
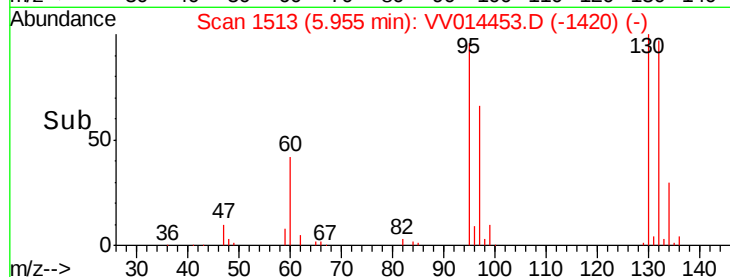


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 52.380 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

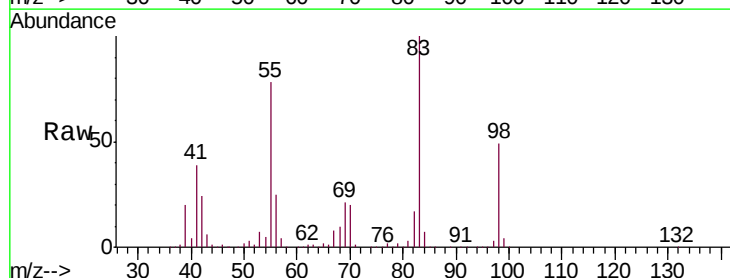
Tgt Ion: 83 Resp: 240873

Ion Ratio Lower Upper

83 100

55 75.5 60.4 90.6

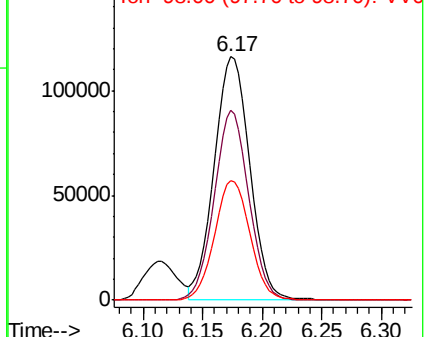
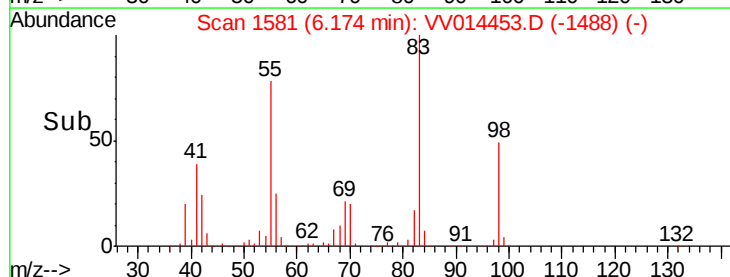
98 49.0 39.2 58.8

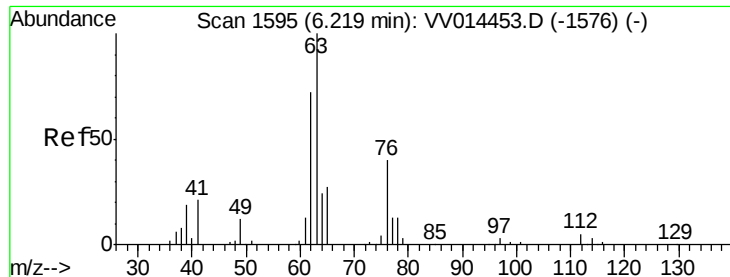


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 52.016 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

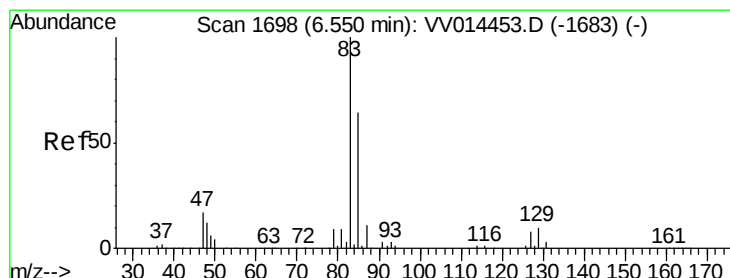
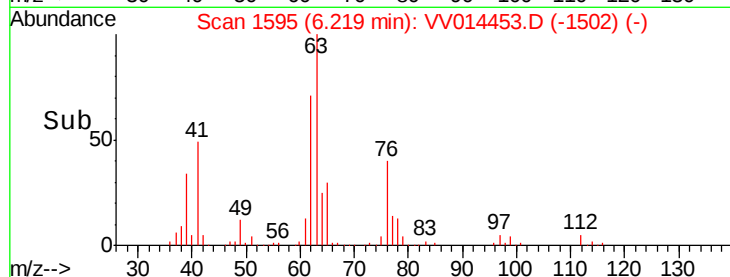
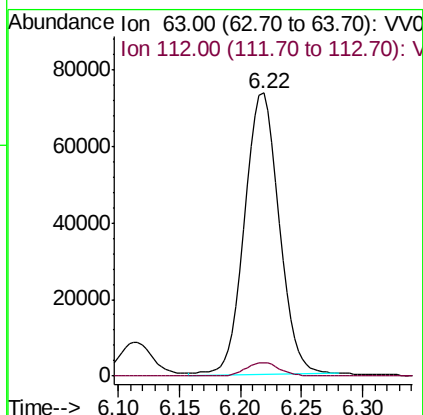
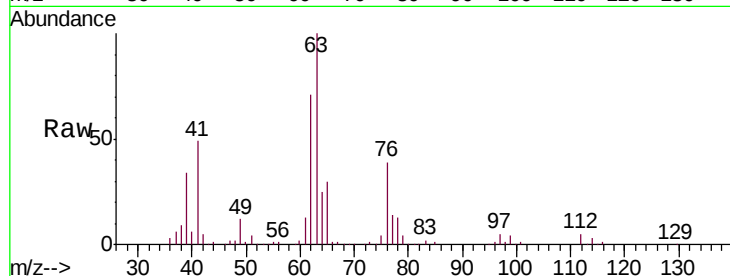
VSTD05061

Tgt Ion: 63 Resp: 143741

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 49.346 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

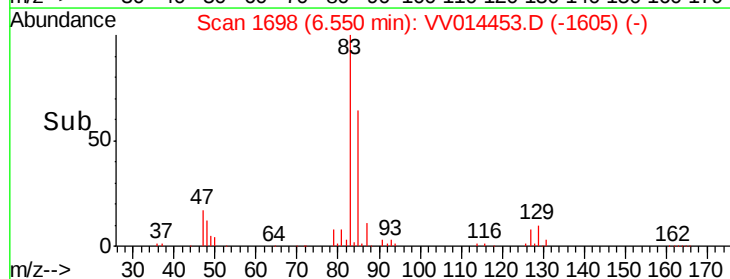
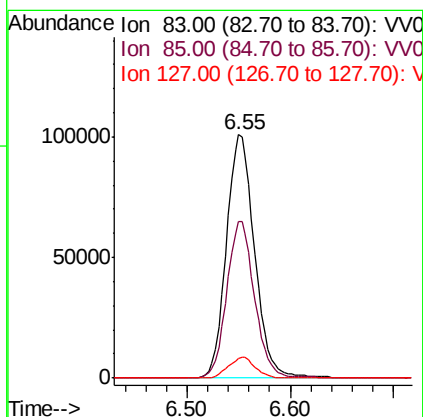
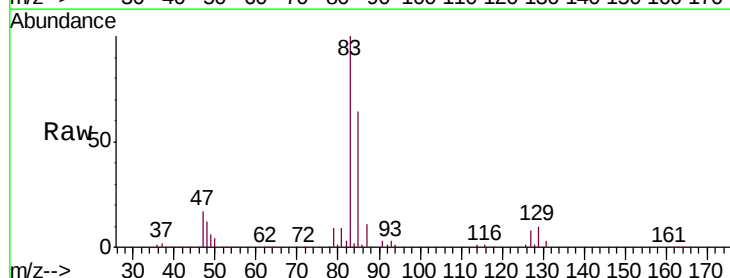
Tgt Ion: 83 Resp: 192258

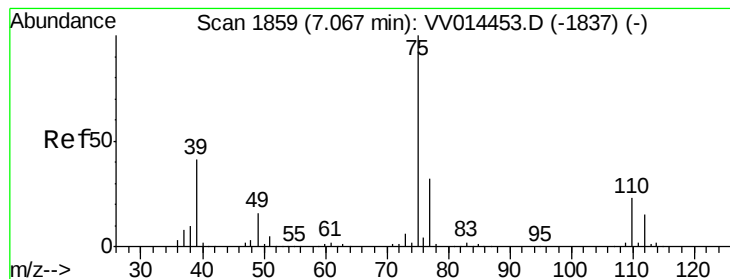
Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

127 7.9 6.3 9.5



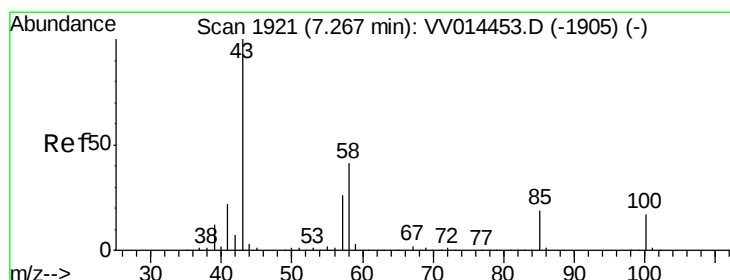
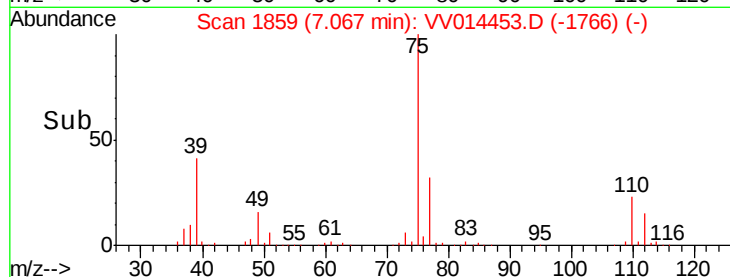
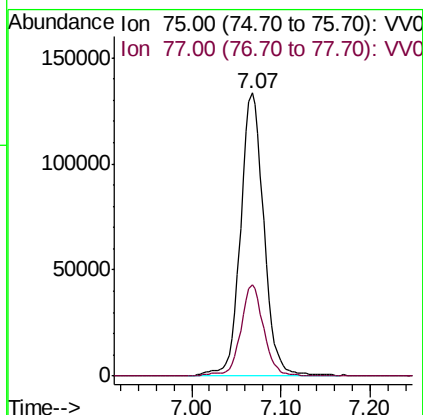
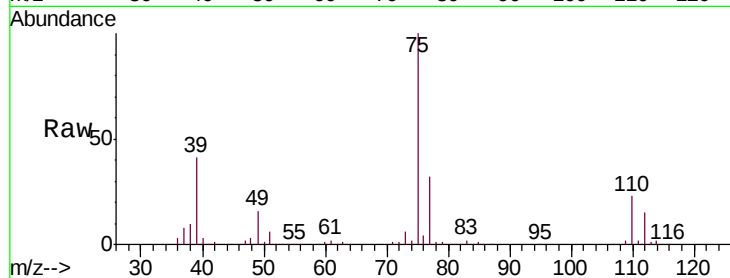


#39

cis-1,3-Dichloropropene
 Concen: 54.953 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05061

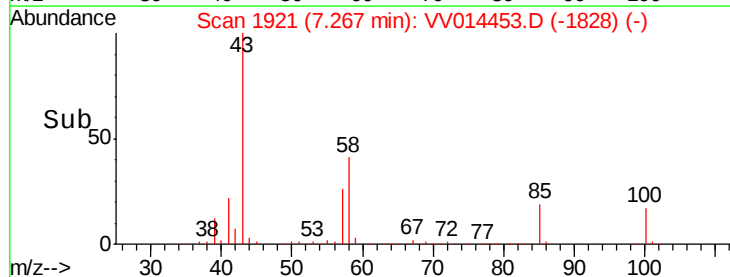
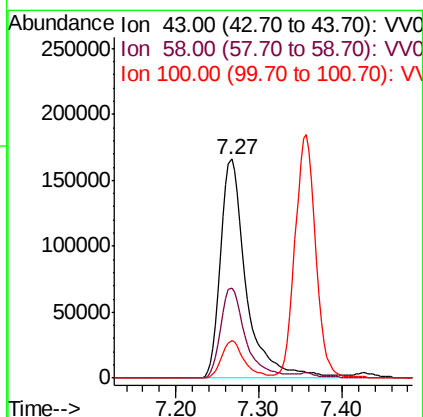
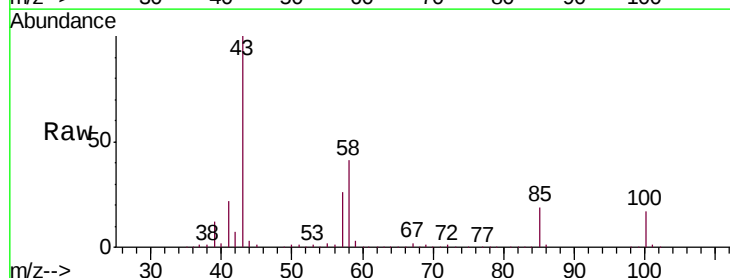
Tgt Ion: 75 Resp: 243150
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.7 42.3

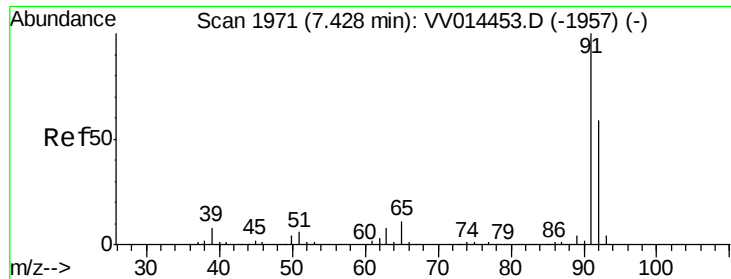


#40

4-Methyl-2-pentanone
 Concen: 99.843 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Tgt Ion: 43 Resp: 355961
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.9 47.9
 100 15.3 12.2 18.4





#42

Toluene

Concen: 51.655 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

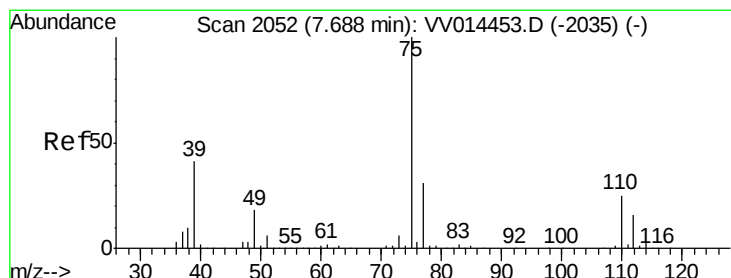
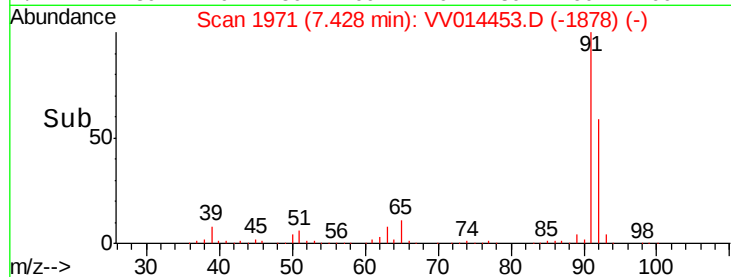
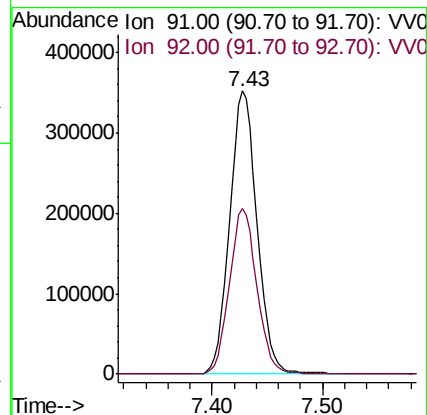
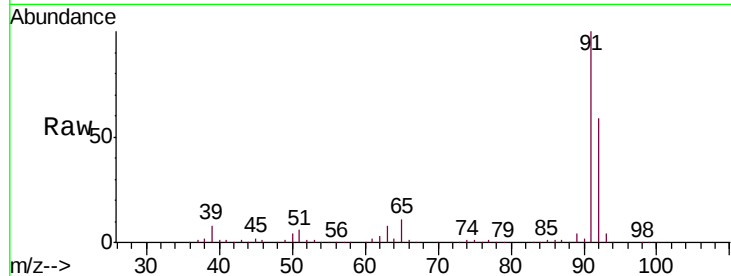
VSTD05061

Tgt Ion: 91 Resp: 606083

Ion Ratio Lower Upper

91 100

92 58.6 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 52.733 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014453.D

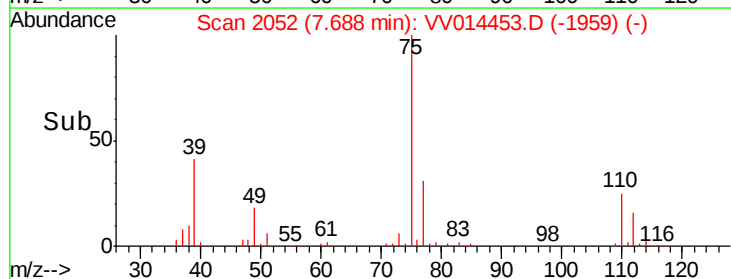
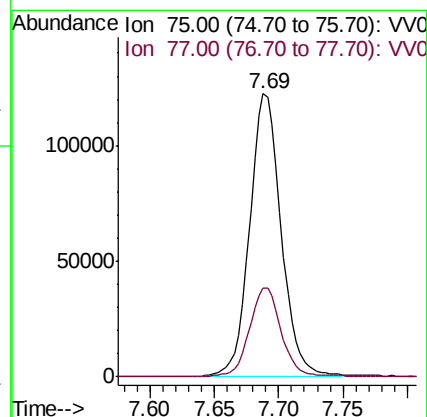
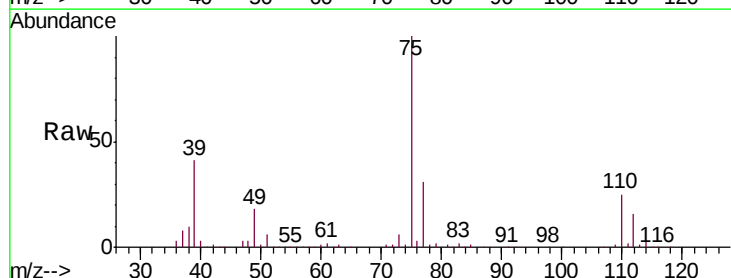
Acq: 31 Jan 2020 15:00

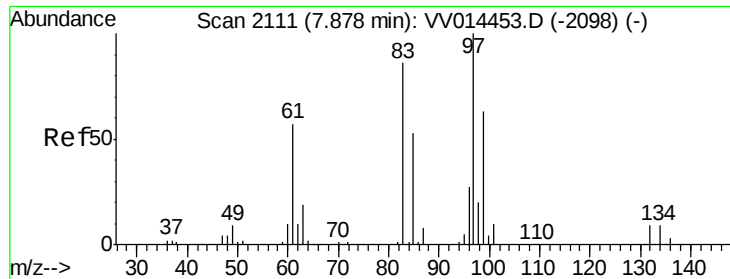
Tgt Ion: 75 Resp: 209333

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

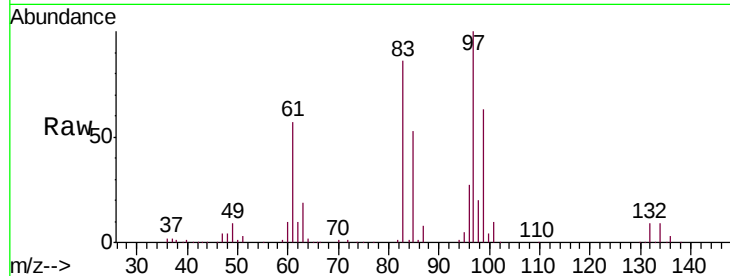




#45
 1,1,2-Trichloroethane
 Concen: 50.282 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion:	97	Resp:	136932
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.8	81.3
83	85.7	60.0	111.4
85	53.1	37.2	69.0



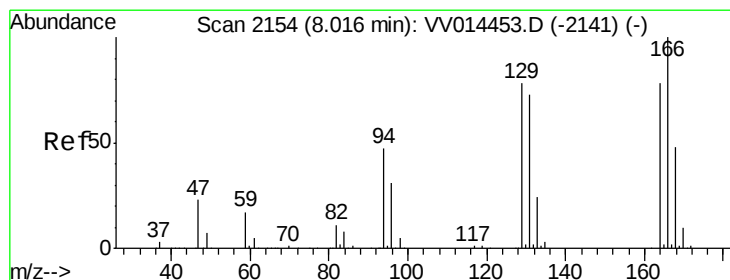
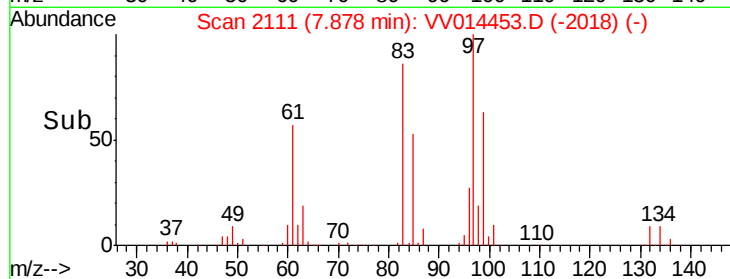
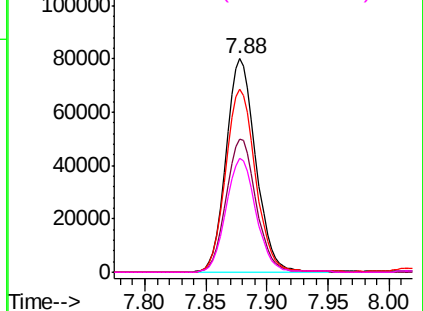
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

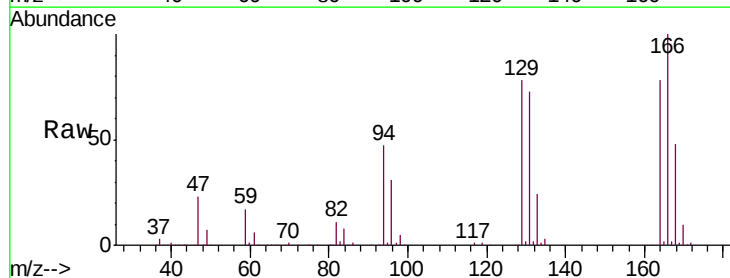
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 39.690 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Tgt Ion:	164	Resp:	103914
Ion	Ratio	Lower	Upper
164	100		
129	100.6	70.4	130.8
131	93.6	65.5	121.7
166	128.4	89.9	166.9



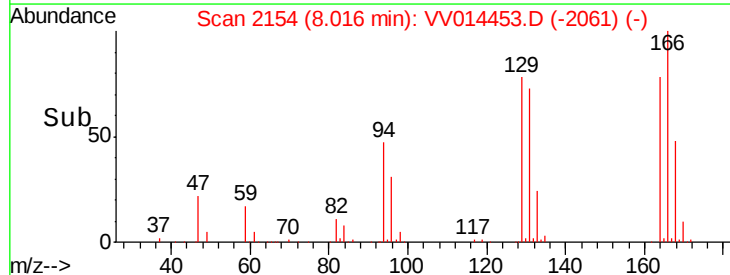
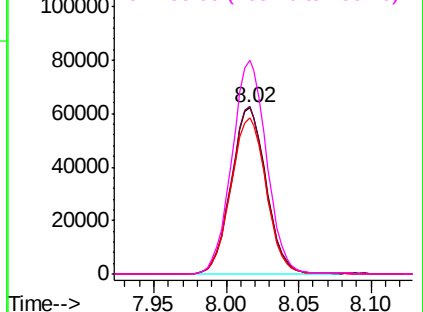
Abundance

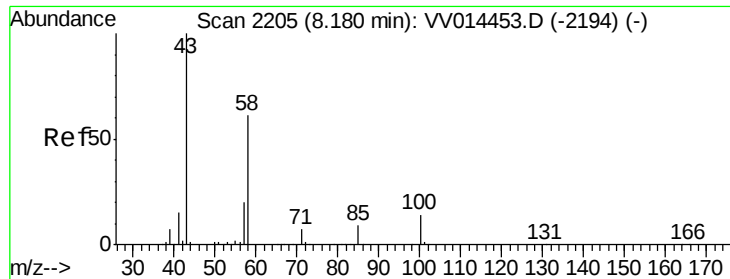
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

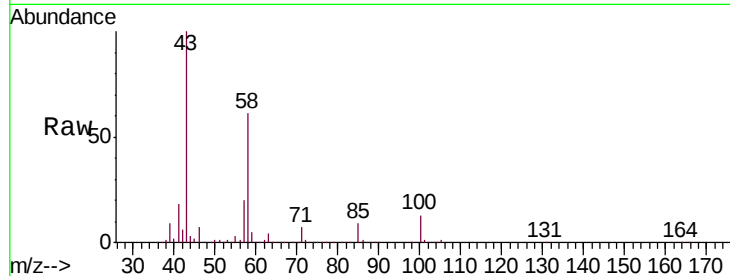




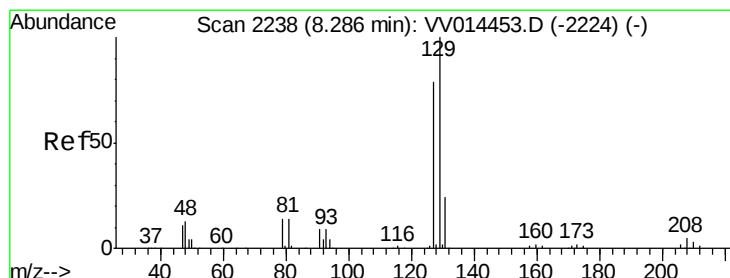
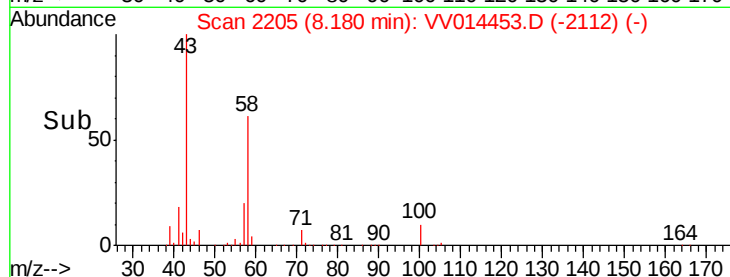
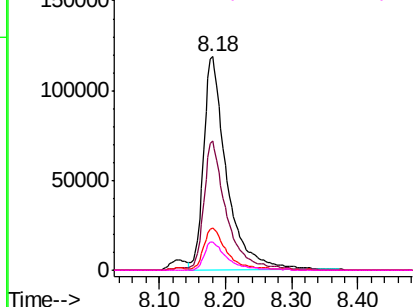
#48
2-Hexanone
Concen: 99.866 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD05061

Tgt Ion: 43 Resp: 287337
Ion Ratio Lower Upper
43 100
58 60.0 48.0 72.0
57 18.8 15.0 22.6
100 13.0 10.4 15.6

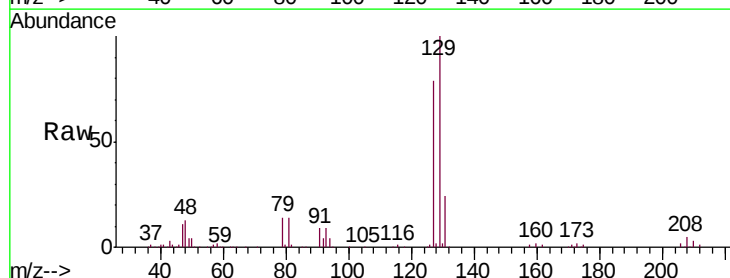


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

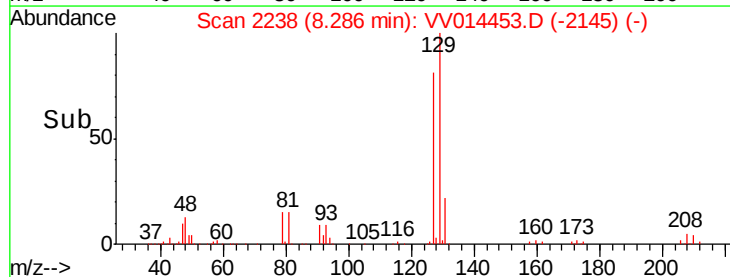
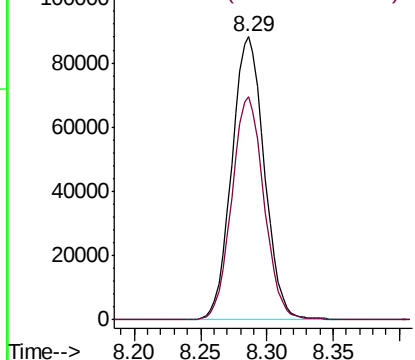


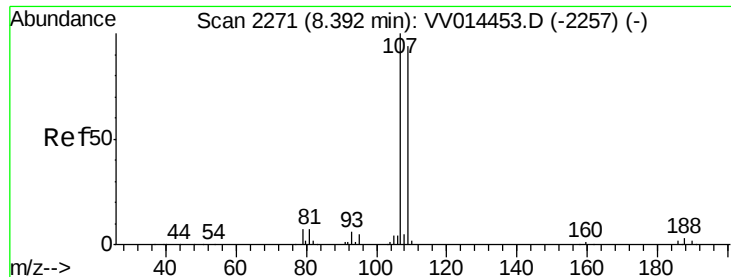
#49
Dibromochloromethane
Concen: 45.882 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

Tgt Ion: 129 Resp: 150294
Ion Ratio Lower Upper
129 100
127 78.7 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

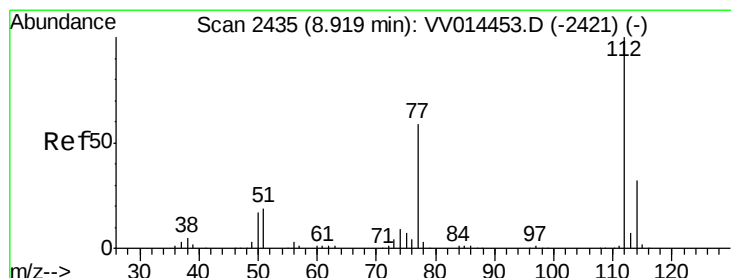
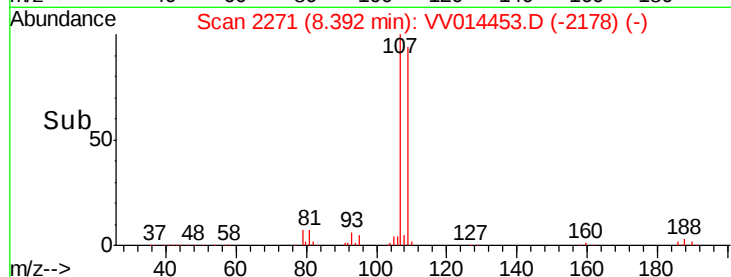
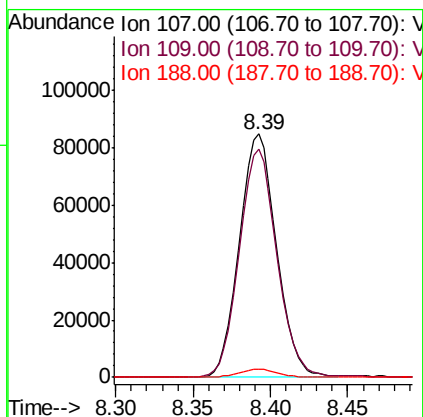
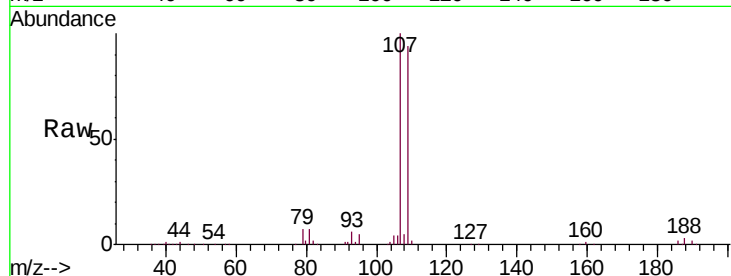




#50
1,2-Dibromoethane
Concen: 47.719 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

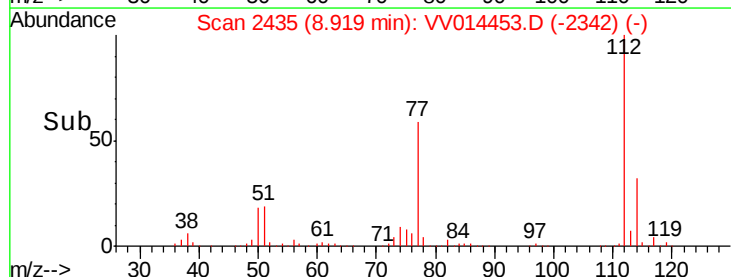
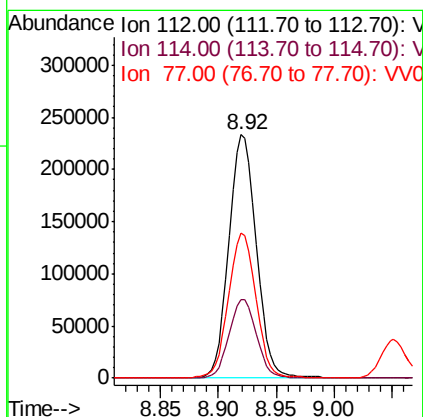
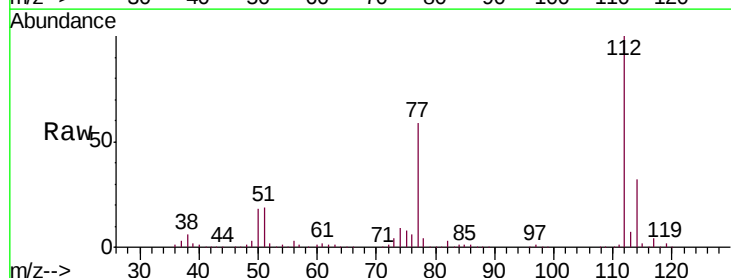
Instrument :
MSVOA_V
ClientSampled :
VSTD05061

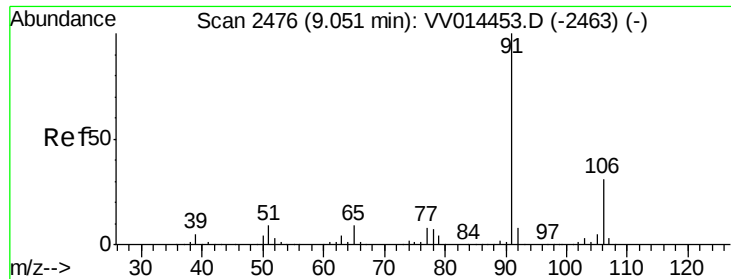
Tgt Ion:107 Resp: 142140
Ion Ratio Lower Upper
107 100
109 93.6 65.5 121.7
188 3.2 2.6 3.8



#51
Chlorobenzene
Concen: 47.619 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014453.D
Acq: 31 Jan 2020 15:00

Tgt Ion:112 Resp: 381792
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 59.4 47.5 71.3





#52

Ethylbenzene

Concen: 51.969 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

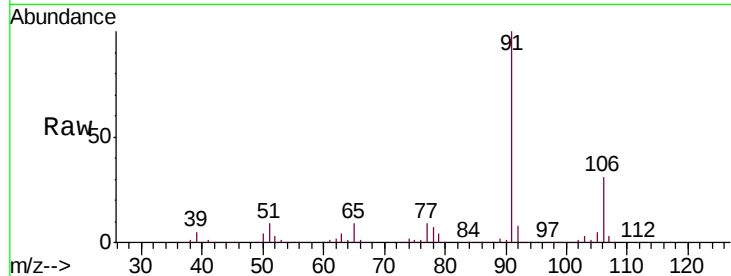
VSTD05061

Tgt Ion: 91 Resp: 674423

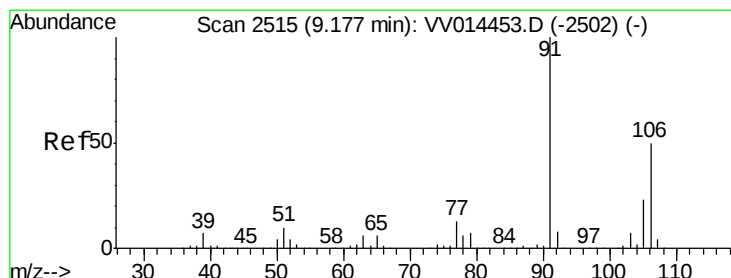
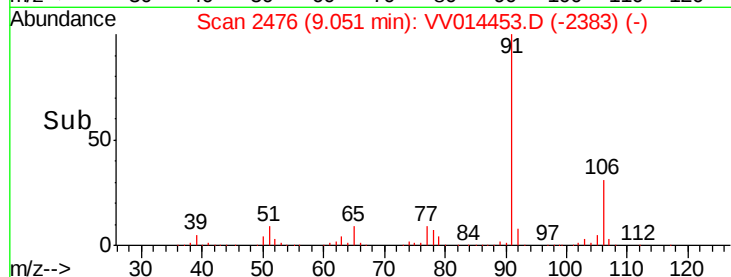
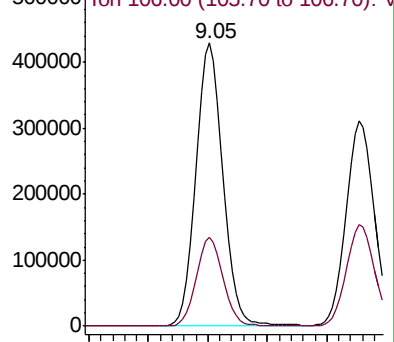
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014453.D (-2463) (-)



#53

m,p-Xylene

Concen: 51.452 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014453.D

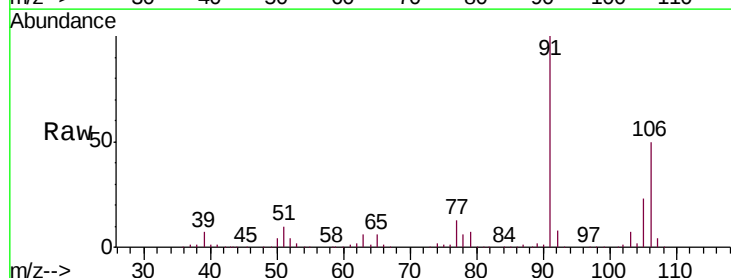
Acq: 31 Jan 2020 15:00

Tgt Ion: 106 Resp: 256130

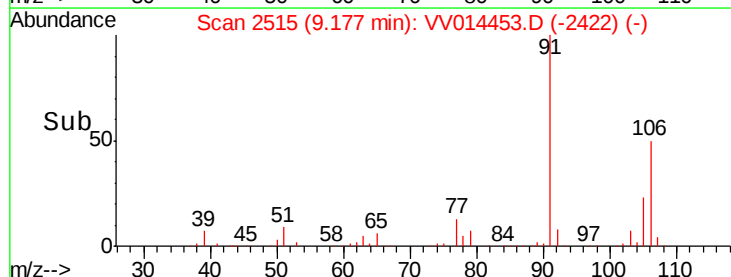
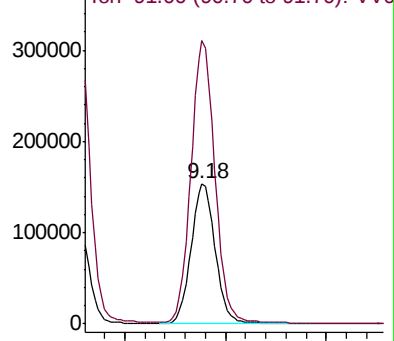
Ion Ratio Lower Upper

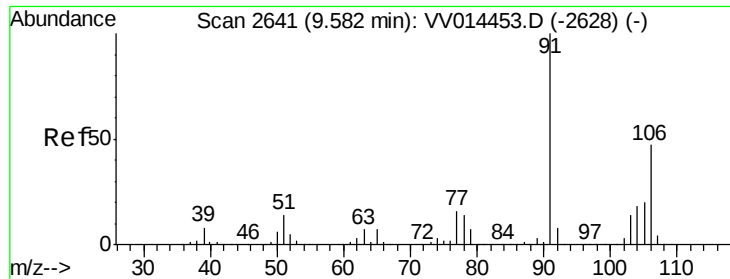
106 100

91 201.3 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014453.D (-2502) (-)





#54

o-xylene

Concen: 52.034 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

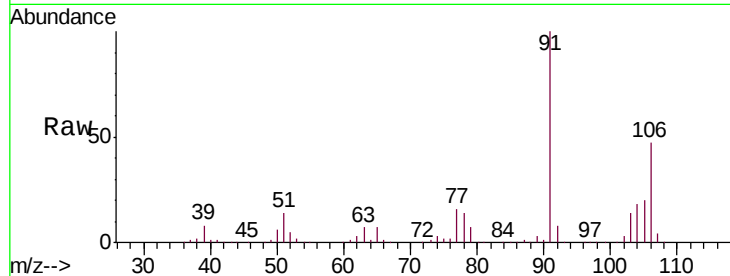
VSTD05061

Tgt Ion:106 Resp: 250745

Ion Ratio Lower Upper

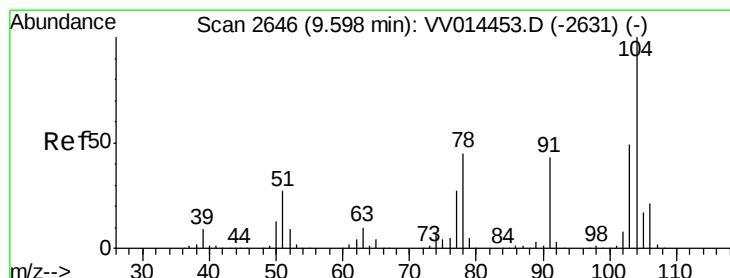
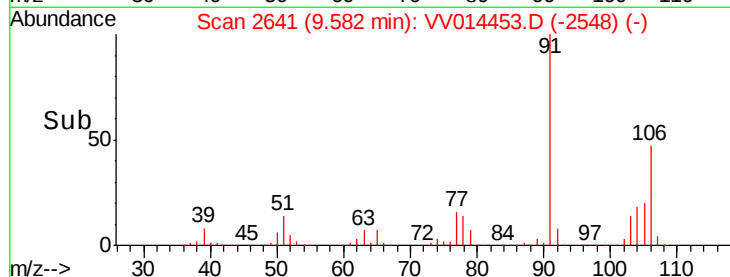
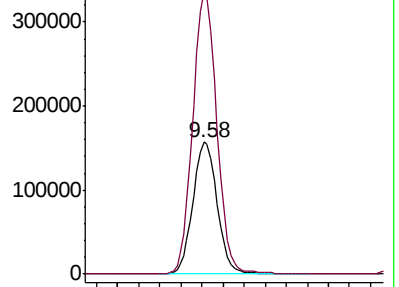
106 100

91 214.8 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.891 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014453.D

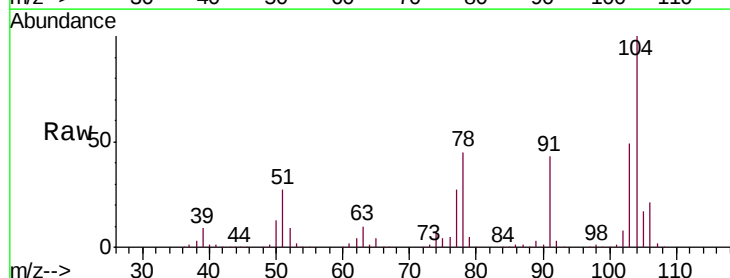
Acq: 31 Jan 2020 15:00

Tgt Ion:104 Resp: 428053

Ion Ratio Lower Upper

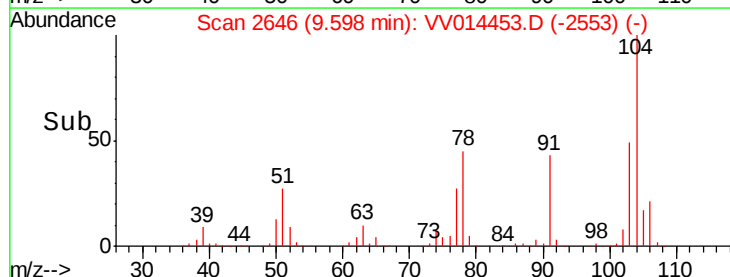
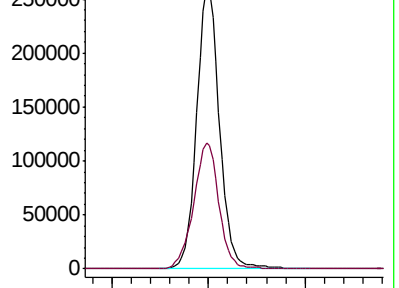
104 100

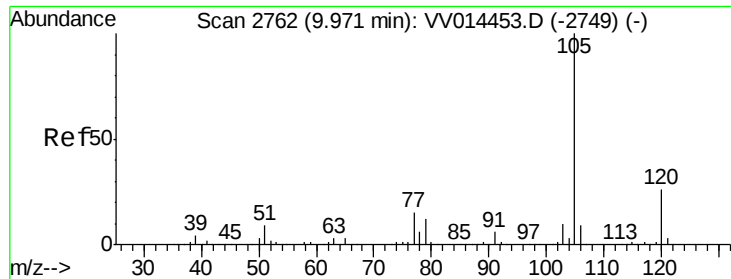
78 44.7 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.426 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

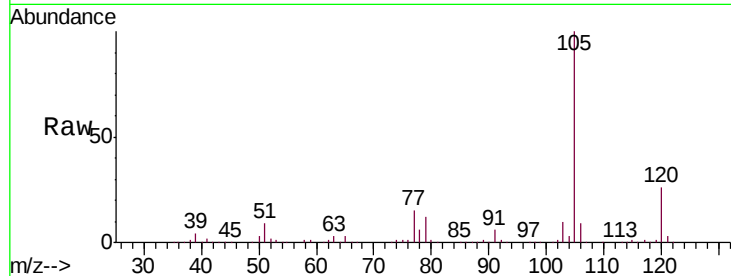
Tgt Ion: 105 Resp: 640442

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

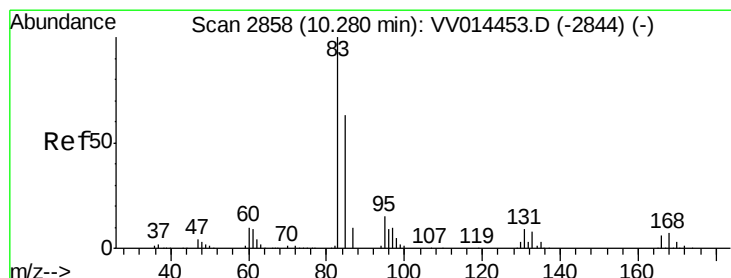
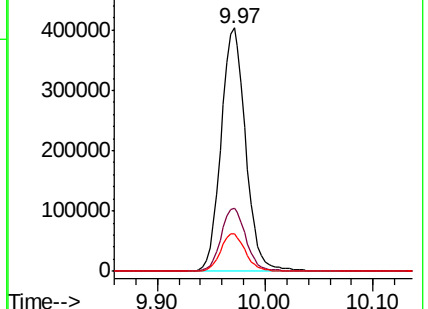
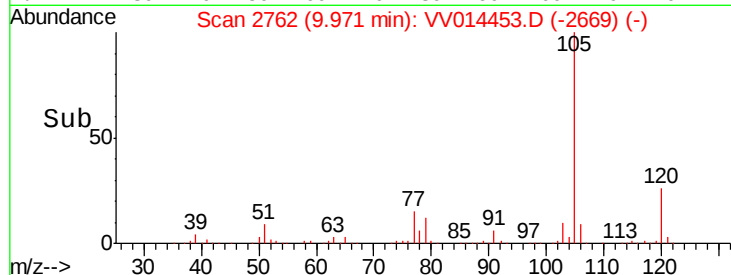
77 15.6 12.5 18.7



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: 48.748 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

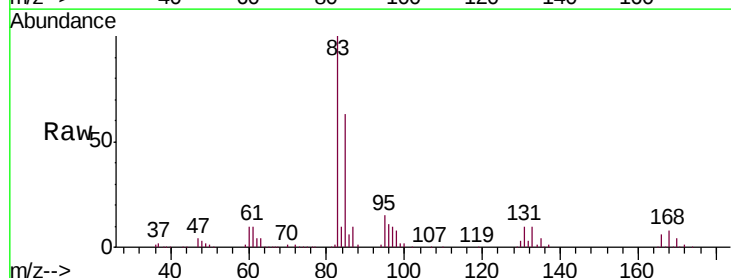
Tgt Ion: 83 Resp: 212944

Ion Ratio Lower Upper

83 100

85 63.2 44.2 82.2

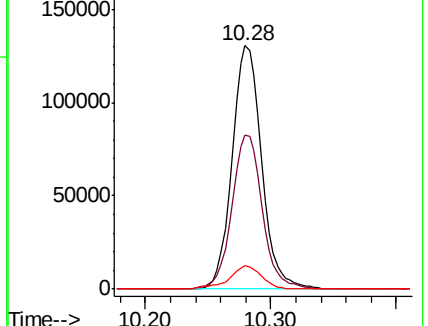
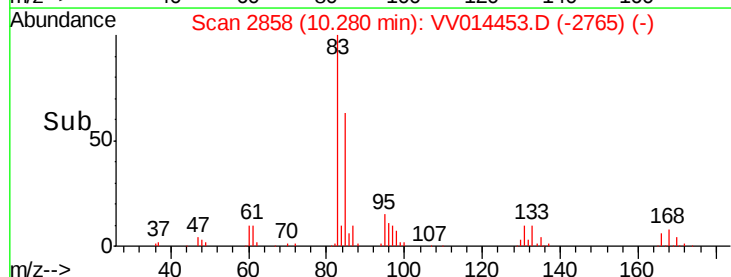
131 9.5 7.6 11.4

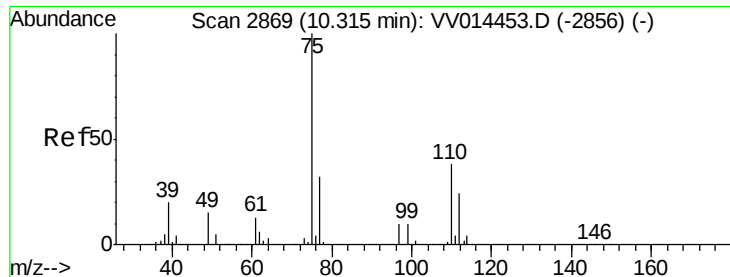


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.343 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

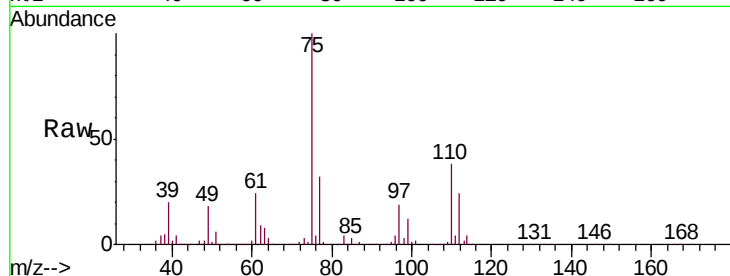
VSTD05061

Tgt Ion: 75 Resp: 167677

Ion Ratio Lower Upper

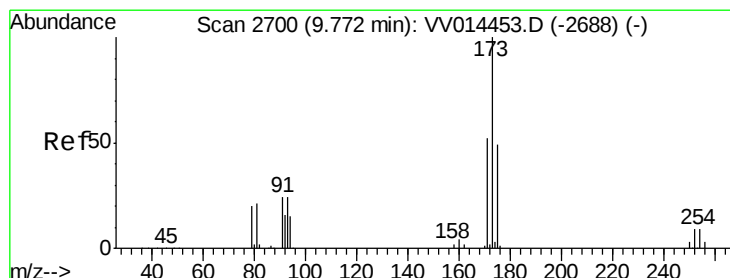
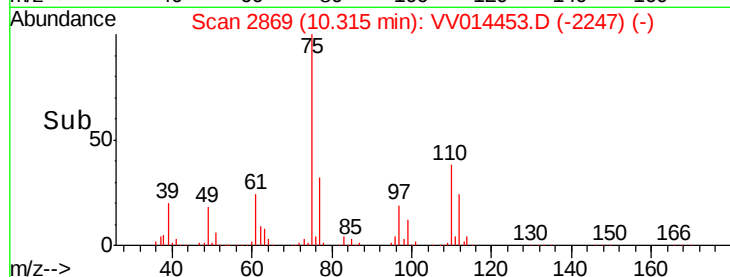
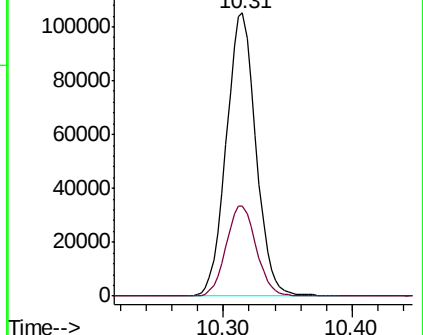
75 100

77 32.4 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: 44.714 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

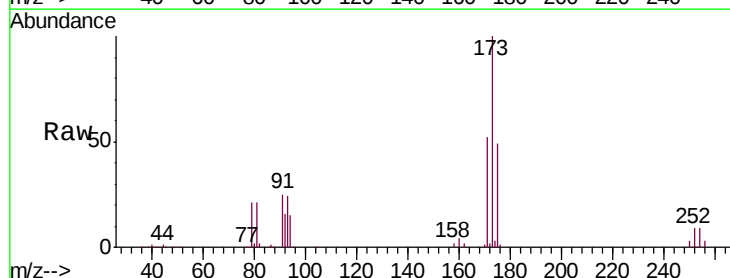
Tgt Ion: 173 Resp: 97924

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

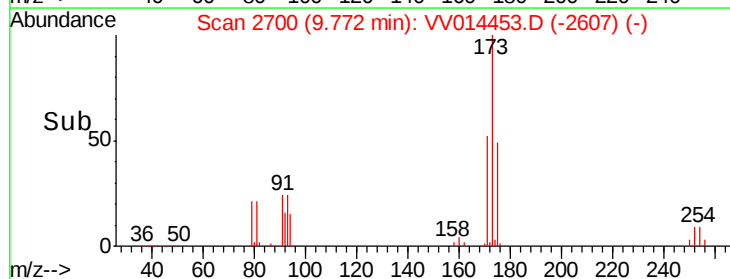
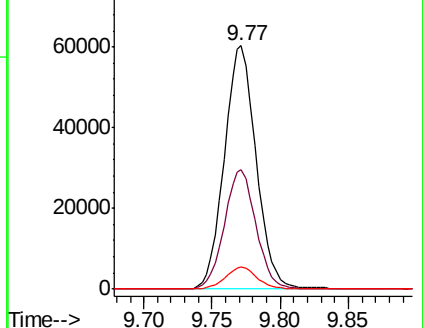
254 8.8 7.0 10.6

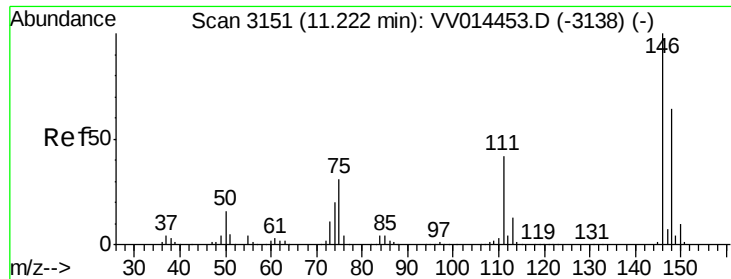


Abundance Ion 173.00 (172.70 to 173.70): VV014453.D (-2688) (-)

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: 47.712 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

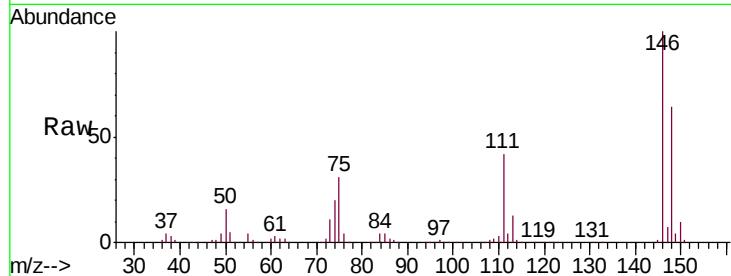
Tgt Ion:146 Resp: 284163

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.3

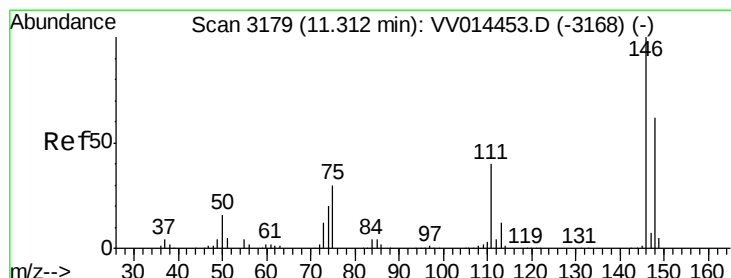
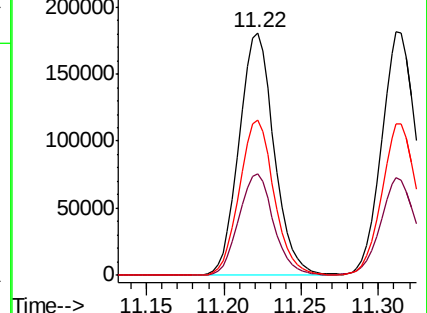
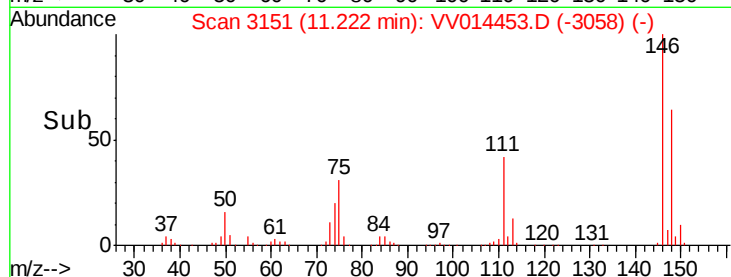
148 64.1 44.9 83.3



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: 47.148 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

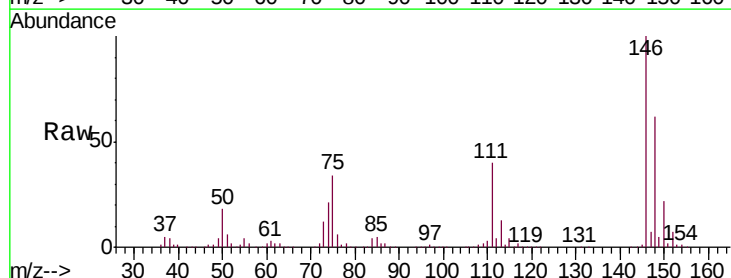
Tgt Ion:146 Resp: 290070

Ion Ratio Lower Upper

146 100

111 40.1 28.1 52.1

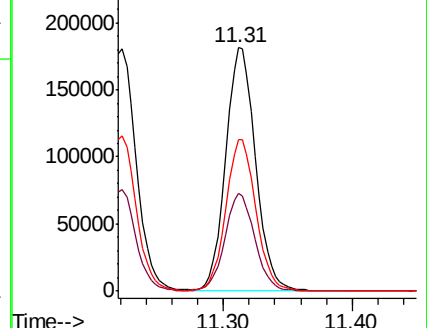
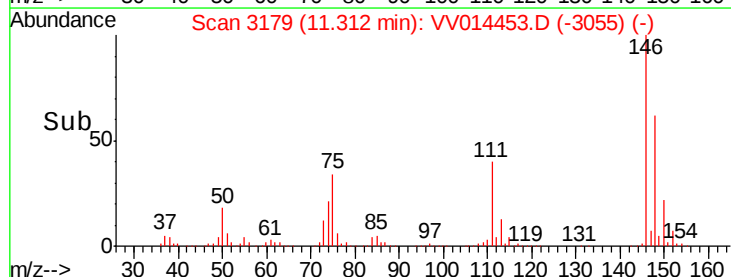
148 62.2 43.5 80.9

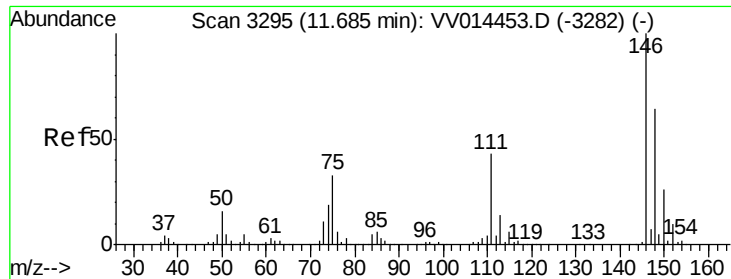


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

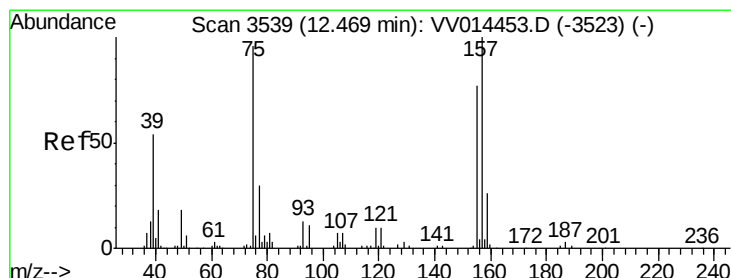
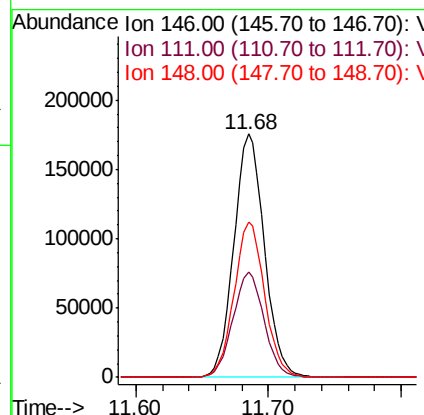
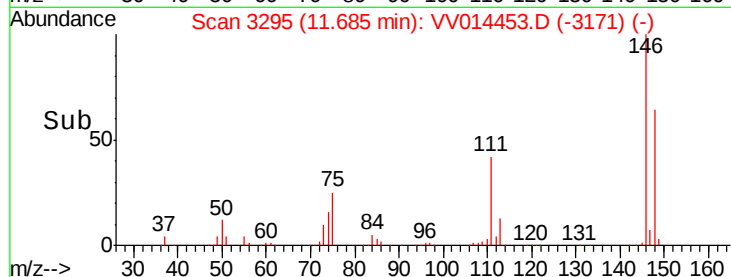
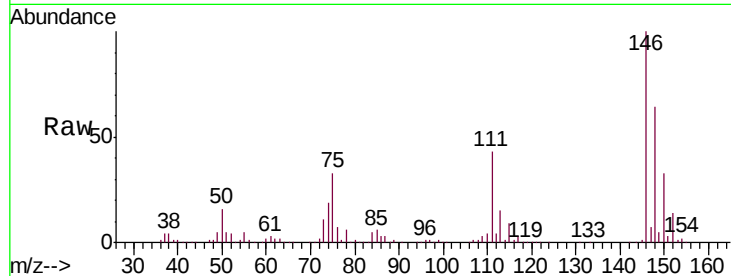




#65
 1,2-Dichlorobenzene
 Concen: 47.247 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

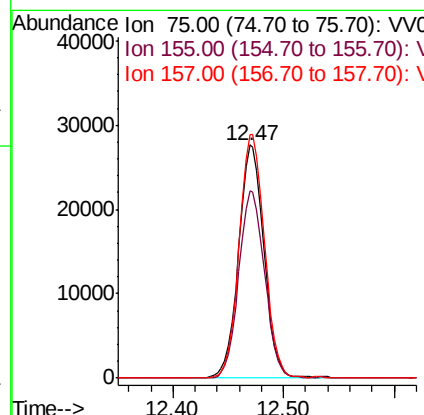
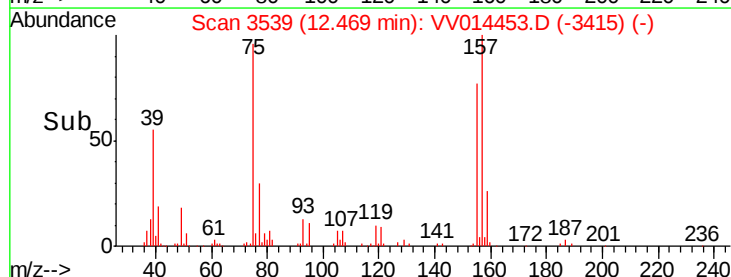
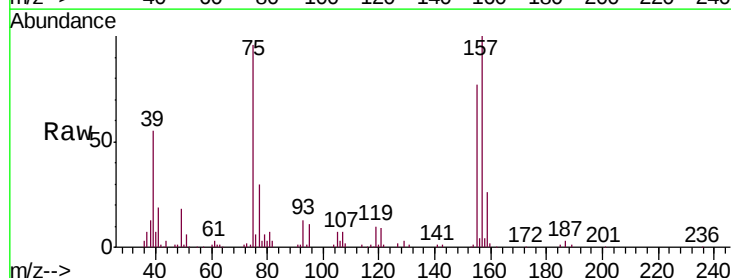
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

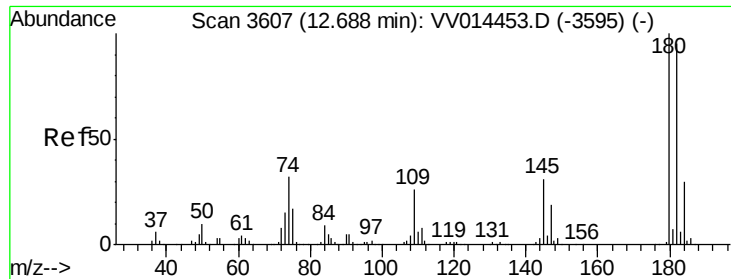
Tgt Ion: 146 Resp: 281223
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.6 51.8
 148 64.0 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.895 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Tgt Ion: 75 Resp: 44102
 Ion Ratio Lower Upper
 75 100
 155 80.2 64.2 96.2
 157 104.3 83.4 125.2

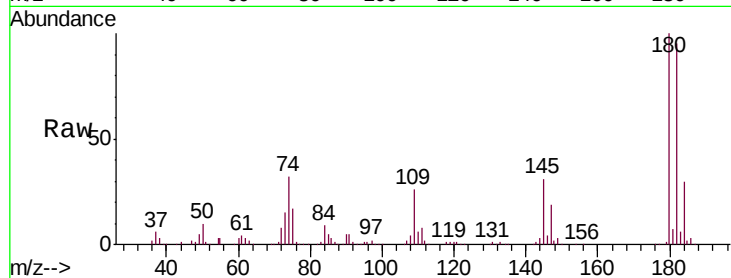




#67
 1,3,5-Trichlorobenzene
 Concen: 40.662 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05061

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	30.2	24.2	36.2
145	31.8	25.4	38.2



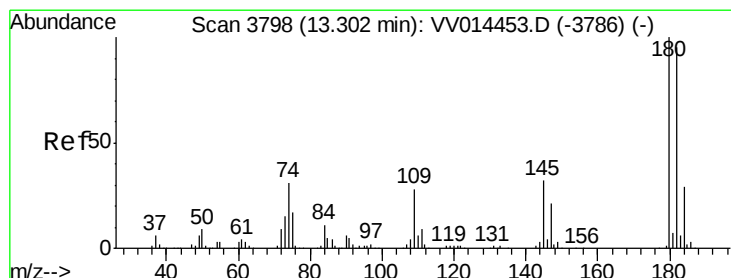
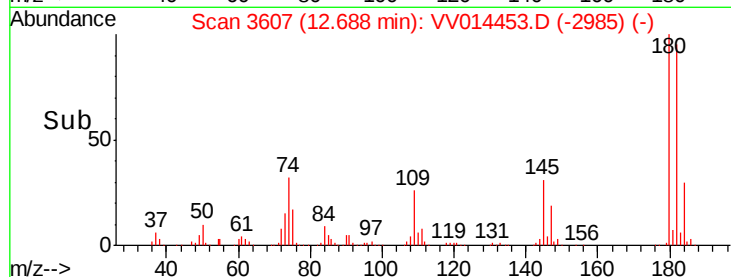
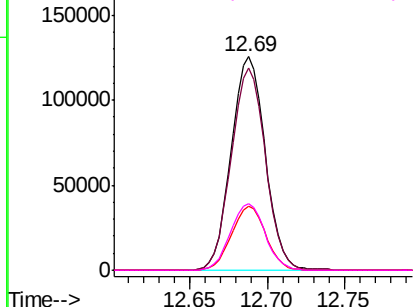
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

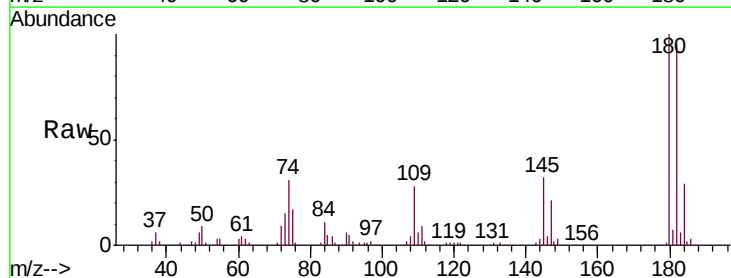
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 41.071 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014453.D
 Acq: 31 Jan 2020 15:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	32.7	26.2	39.2

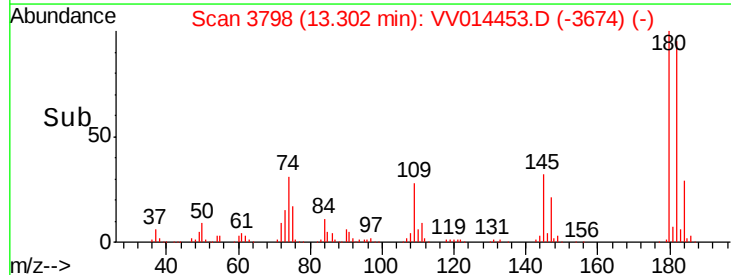
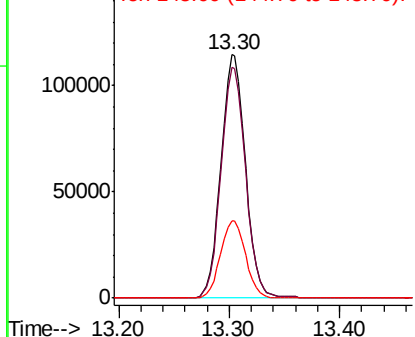


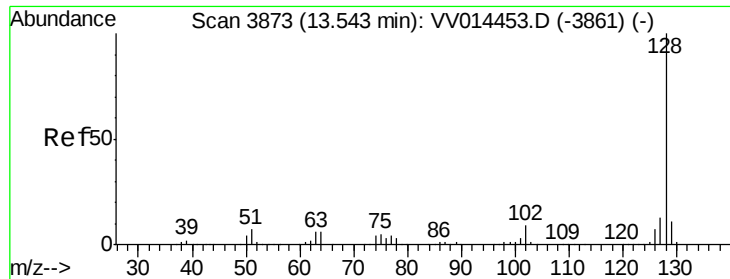
Abundance

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: 48.741 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05061

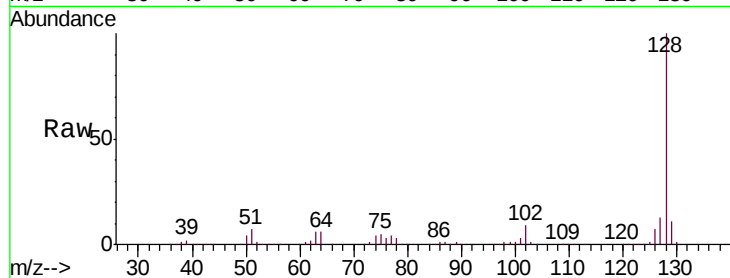
Tgt Ion:128 Resp: 565460

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

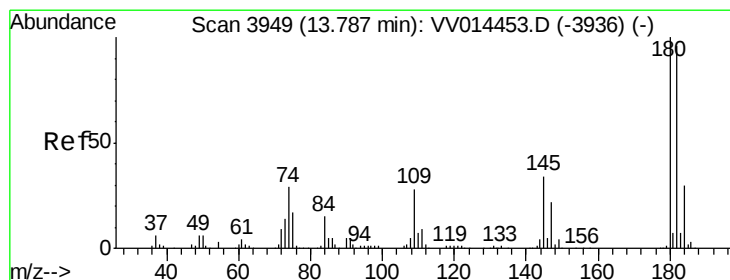
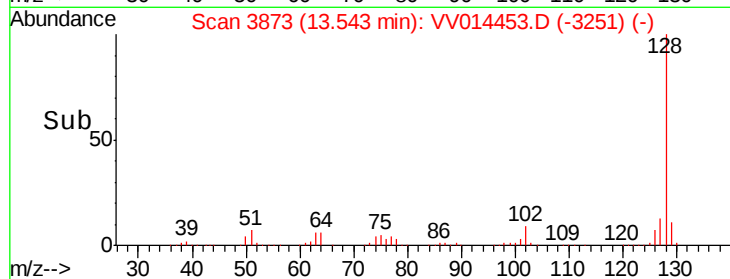
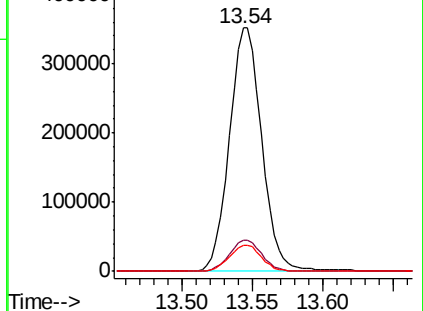
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 38.501 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014453.D

Acq: 31 Jan 2020 15:00

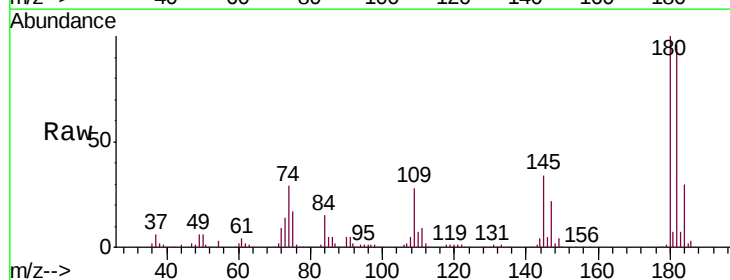
Tgt Ion:180 Resp: 169247

Ion Ratio Lower Upper

180 100

182 96.9 77.5 116.3

145 34.7 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

