

Data File : VV013109.D
Acq On : 11 Oct 2019 18:18
Operator : SY/MD
Sample : VSTD10061
Misc : 5.00ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Quant Time: Oct 12 00:37:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 12 00:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	771373	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	734817	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	373877	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	513215	112.38	ug/L	0.00
7) Chloroethane-d5	1.57	69	431213	107.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	946140	107.94	ug/L	0.00
21) 2-Butanone-d5	3.92	46	840561	187.24	ug/L	0.00
24) Chloroform-d	4.40	84	994381	92.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	612411	93.22	ug/L	0.00
32) Benzene-d6	5.10	84	2071739	102.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	653318	93.86	ug/L	0.00
41) Toluene-d8	7.36	98	1900869	104.34	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	305645	104.30	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	619868	230.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	869068	97.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	764266	90.15	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	590246	111.007	ug/L	99
3) Chloromethane	1.25	50	693896	121.796	ug/L	100
5) Vinyl chloride	1.33	62	655630	116.412	ug/L	99
6) Bromomethane	1.52	94	409665	136.309	ug/L	98
8) Chloroethane	1.59	64	396378	113.927	ug/L	99
9) Trichlorofluoromethane	1.77	101	826700	106.826	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	485106	102.592	ug/L	99
12) 1,1-Dichloroethene	2.14	96	479703	113.691	ug/L	94
13) Acetone	2.18	43	661330	181.884	ug/L	100
14) Carbon disulfide	2.32	76	1398635	141.664	ug/L	100
15) Methyl Acetate	2.45	43	616703	102.759	ug/L	99
16) Methylene chloride	2.53	84	572022	105.404	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	527144	113.818	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	1653046	106.835	ug/L	99
19) 1,1-Dichloroethane	3.23	63	1002594	103.341	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	601849	107.353	ug/L	99
22) 2-Butanone	4.00	43	960870	209.142	ug/L	98
23) Bromochloromethane	4.30	128	303525	106.916	ug/L	99
25) Chloroform	4.42	83	995719	98.696	ug/L	98
27) 1,2-Dichloroethane	5.18	62	769170	101.115	ug/L	99
29) Cyclohexane	4.73	56	920591	124.231	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	824272	105.179	ug/L	99
31) Carbon tetrachloride	4.87	117	730253	107.459	ug/L	99
33) Benzene	5.14	78	2281728	110.607	ug/L	100
34) Trichloroethene	5.96	95	593605	101.049	ug/L	99
35) Methylcyclohexane	6.18	83	947657	123.095	ug/L	99
37) 1,2-Dichloropropane	6.22	63	592304	101.782	ug/L	99
38) Bromodichloromethane	6.55	83	755937	101.323	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	934936	113.348	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1708199	214.670	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2419562	113.362	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	812022	112.288	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	564833	100.011	ug/L	98
46) Tetrachloroethene	8.02	164	476518	113.678	ug/L	97
48) 2-Hexanone	8.18	43	1341727	211.080	ug/L	99
49) Dibromochloromethane	8.29	129	636760	107.180	ug/L	99
50) 1,2-Dibromoethane	8.39	107	604965	109.672	ug/L	99
51) Chlorobenzene	8.92	112	1549903	107.016	ug/L	100
52) Ethylbenzene	9.05	91	2658956	114.084	ug/L	99
53) m,p-Xylene	9.18	106	1026974	119.005	ug/L	100
54) o-xylene	9.58	106	1017915	116.792	ug/L	99
55) Styrene	9.60	104	1724859	117.874	ug/L	97
56) Isopropylbenzene	9.97	105	2636875	115.859	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	853034	109.147	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	736587	100.433	ug/L	100
61) Bromoform	9.77	173	483513	104.767	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1220683	104.505	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	1218152	101.904	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1233043	100.834	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	192090	113.844	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	904359	105.448	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	819478	112.487	ug/L	99
69) Naphthalene	13.55	128	2476049	118.566	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	853393	108.764	ug/L	100

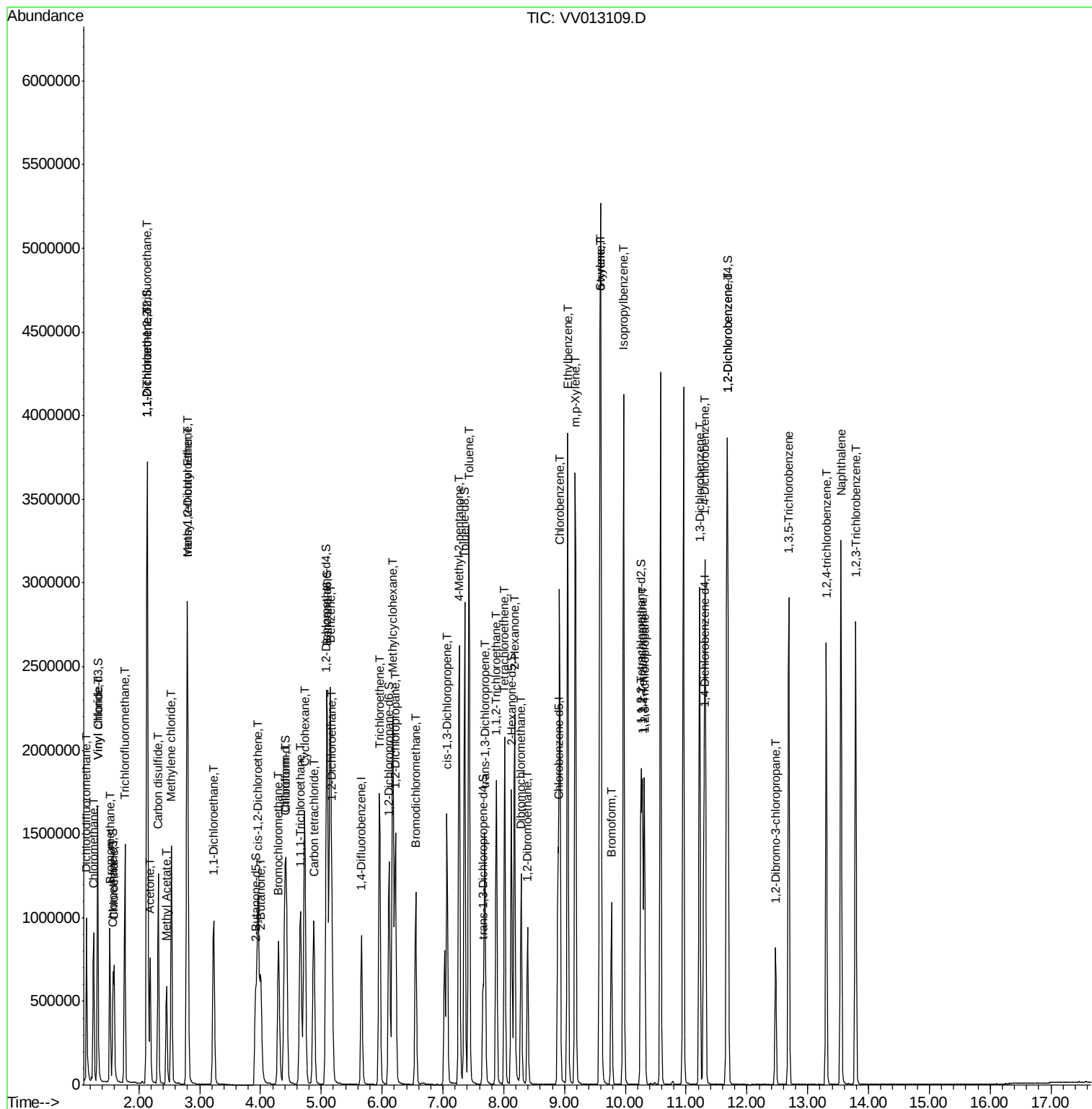
(#) = qualifier out of range (m) = manual integration (+) = signals summed

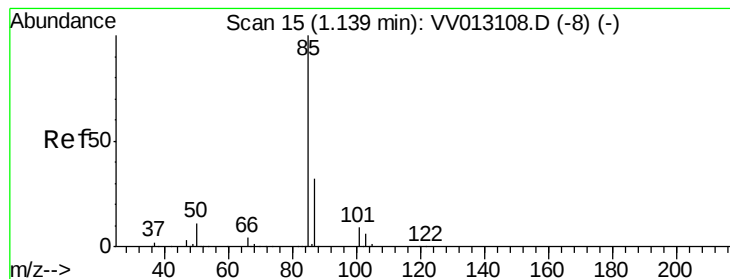
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#2

Dichlorodifluoromethane

Concen: 111.007 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013109.D

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Instrument :

MSVOA_V

ClientSampleId :

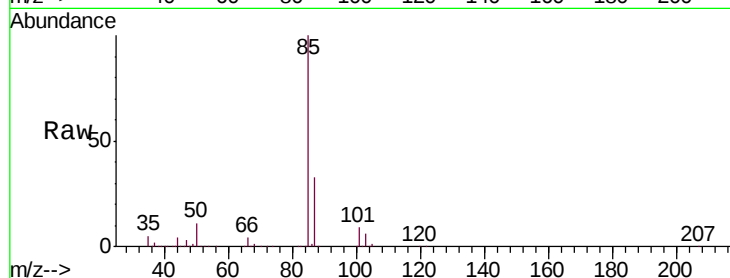
VSTD10061

Tgt Ion: 85 Resp: 590246

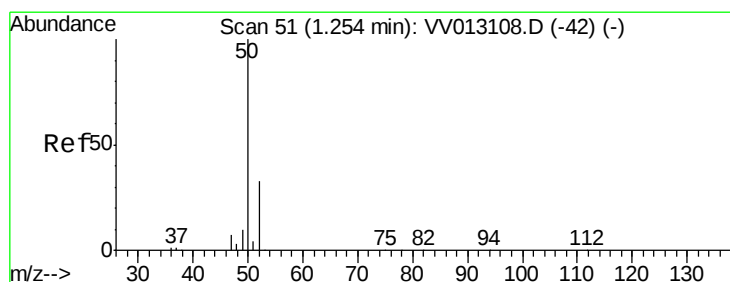
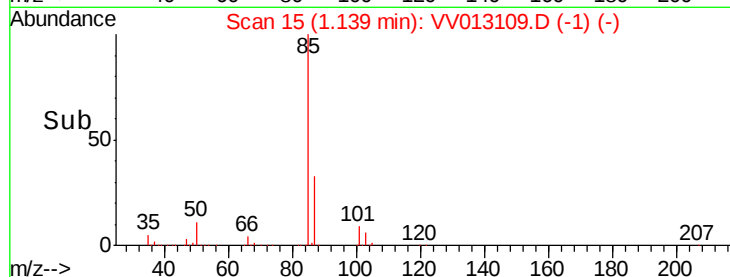
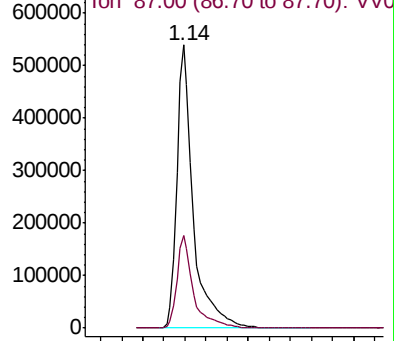
Ion Ratio Lower Upper

85 100

87 32.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013109.D (-1) (-)



#3

Chloromethane

Concen: 121.796 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV013109.D

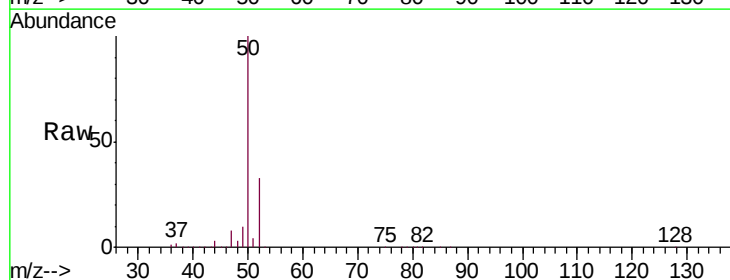
Acq: 11 Oct 2019 18:18

Tgt Ion: 50 Resp: 693896

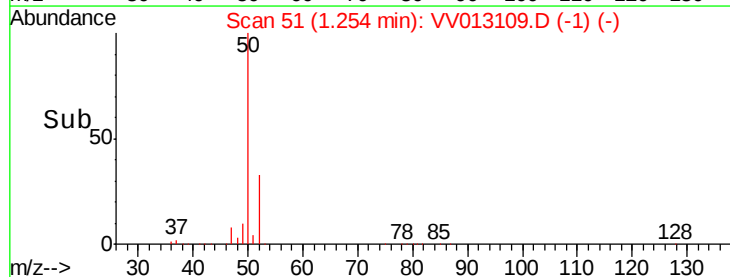
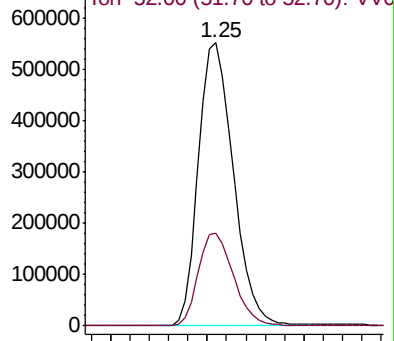
Ion Ratio Lower Upper

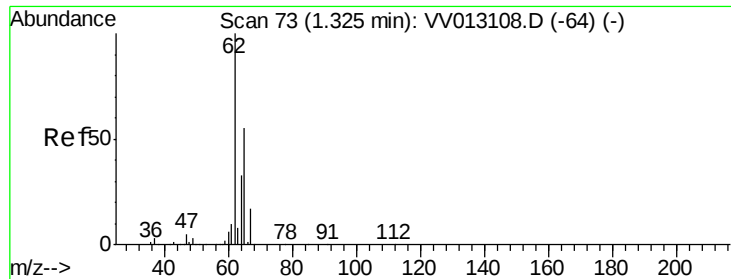
50 100

52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013109.D (-1) (-)





#5

Vinyl chloride

Concen: 116.412 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

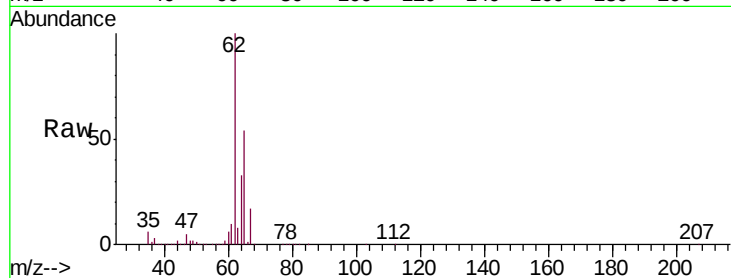
VSTD10061

Tgt Ion: 62 Resp: 655630

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

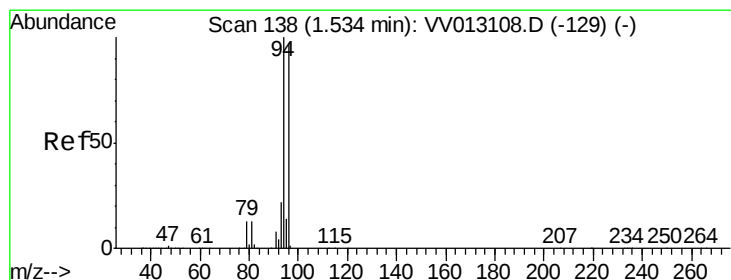
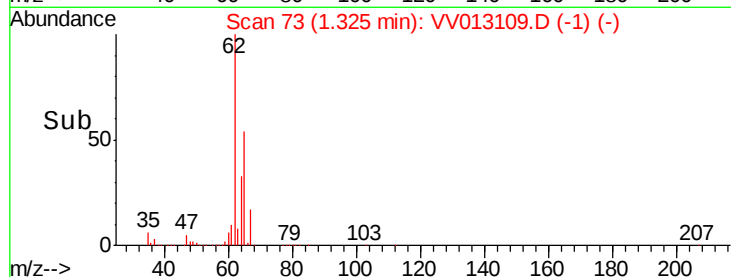
600000

400000

200000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 136.309 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV013109.D

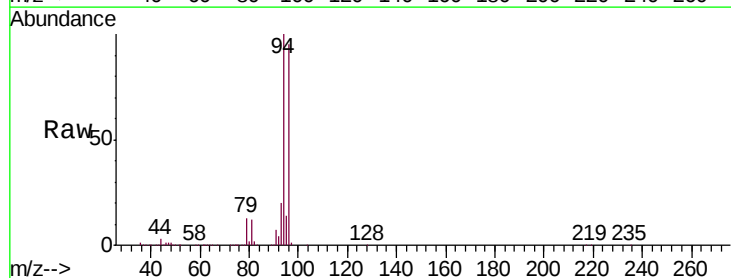
Acq: 11 Oct 2019 18:18

Tgt Ion: 94 Resp: 409665

Ion Ratio Lower Upper

94 100

96 94.8 68.0 126.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

400000

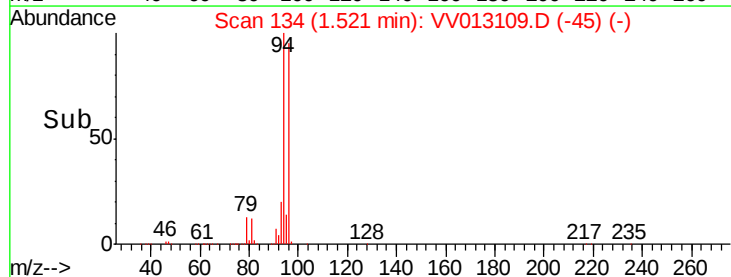
300000

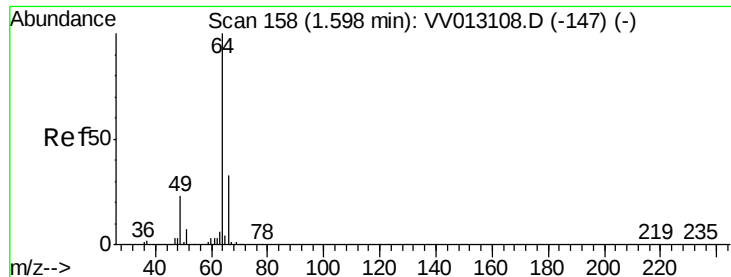
200000

100000

0

Time--> 1.45 1.50 1.55 1.60

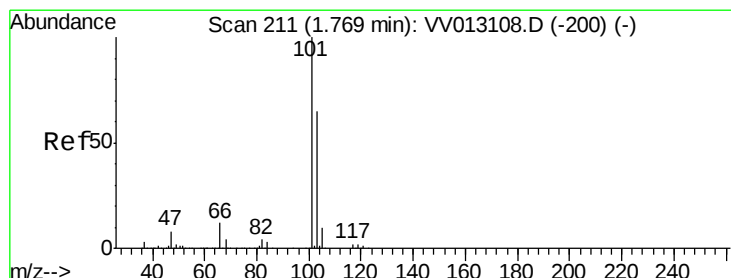
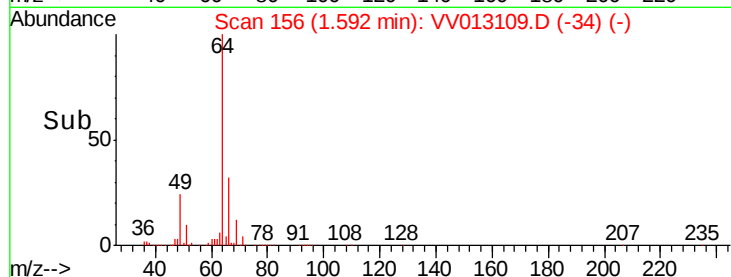
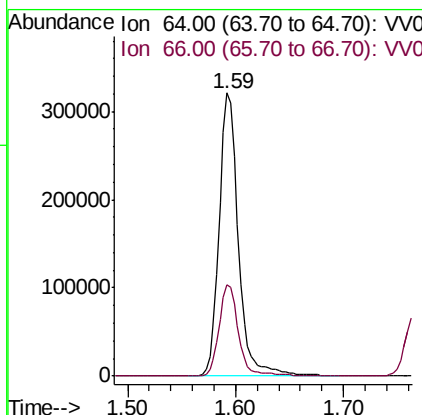
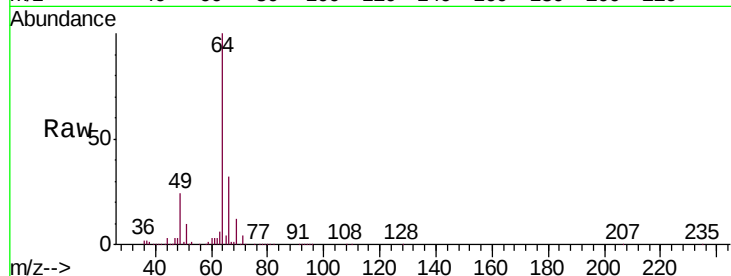




#8
Chloroethane
Concen: 113.927 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.01 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

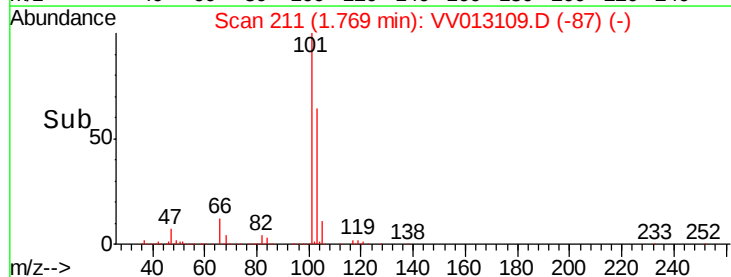
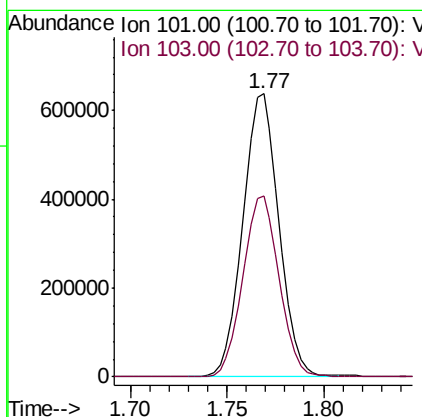
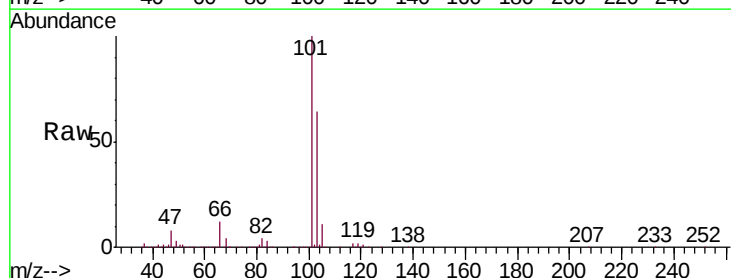
Instrument :
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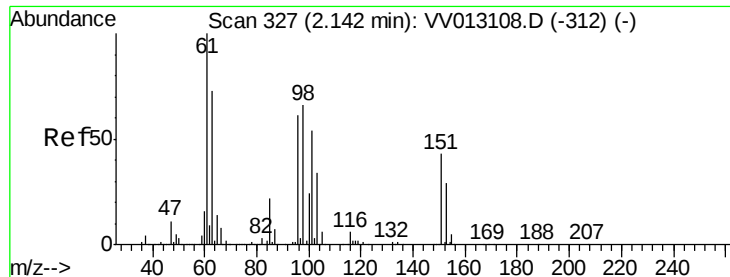
Tgt Ion: 64 Resp: 396378
Ion Ratio Lower Upper
64 100
66 32.3 23.0 42.8



#9
Trichlorofluoromethane
Concen: 106.826 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Tgt Ion: 101 Resp: 826700
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9





#10

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

Concen: 102.592 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

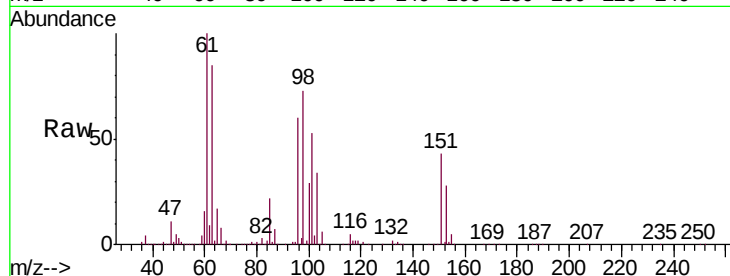
Tgt Ion: 101 Resp: 485106

Ion Ratio Lower Upper

101 100

85 41.6 32.9 49.3

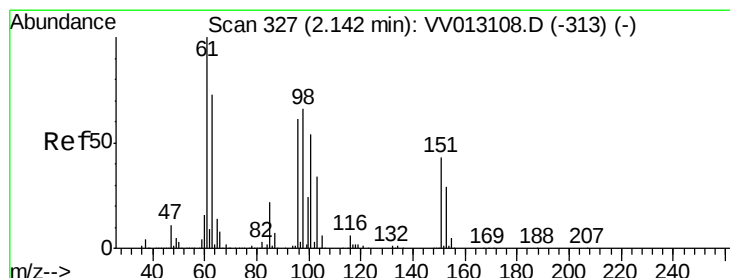
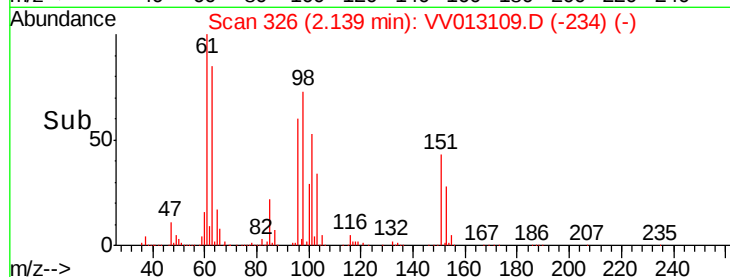
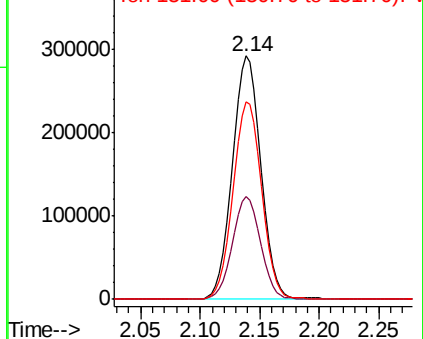
151 81.8 64.9 97.3



Abundance Ion 101.00 (100.70 to 101.70): VV013109.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV013109.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV013109.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 113.691 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

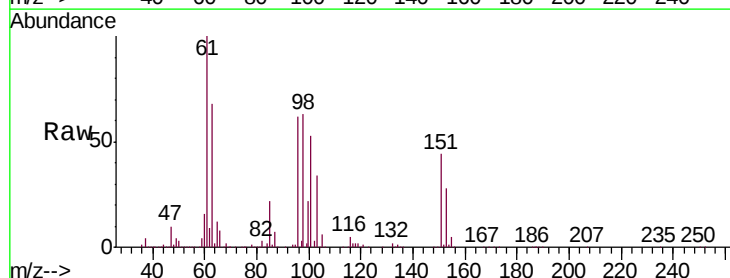
Tgt Ion: 96 Resp: 479703

Ion Ratio Lower Upper

96 100

61 161.5 115.7 214.9

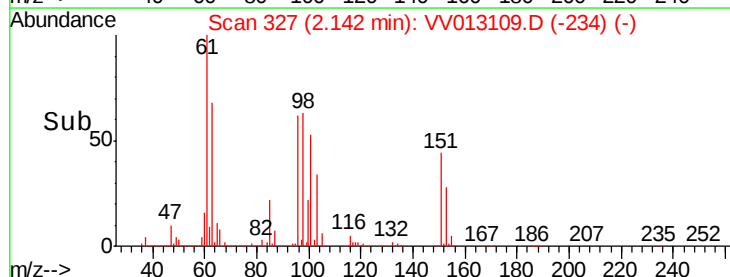
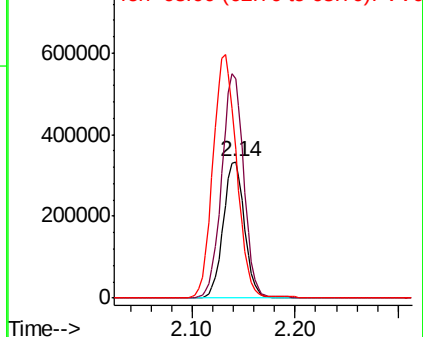
63 109.7 84.3 156.5

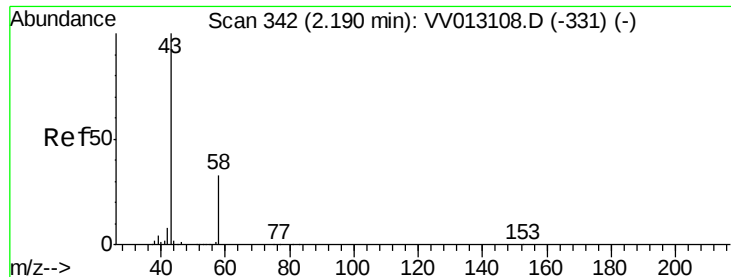


Abundance Ion 96.00 (95.70 to 96.70): VV013109.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VV013109.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV013109.D (-234) (-)





#13

Acetone

Concen: 181.884 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

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ClientSampleId :

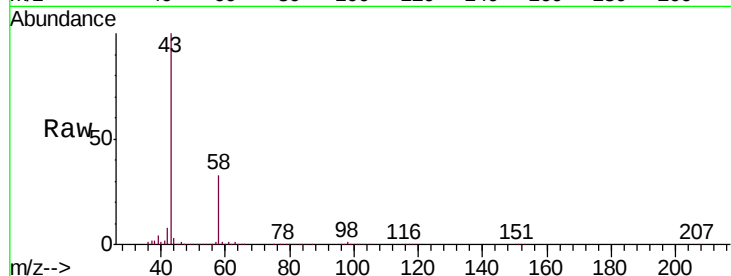
VSTD10061

Tgt Ion: 43 Resp: 661330

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VV013109.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV013109.D (-249) (-)

2.18

500000

400000

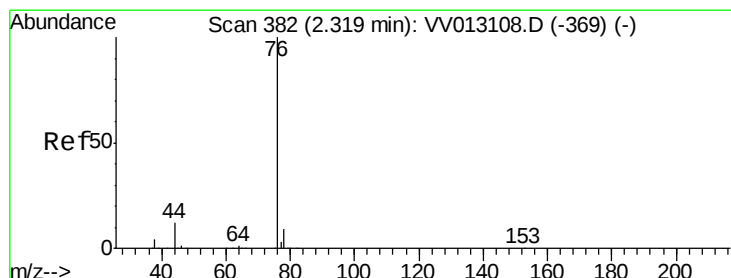
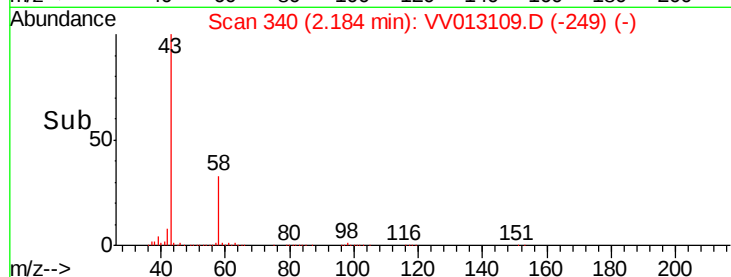
300000

200000

100000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 141.664 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013109.D

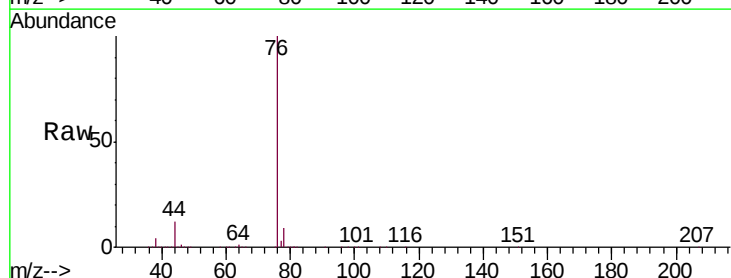
Acq: 11 Oct 2019 18:18

Tgt Ion: 76 Resp: 1398635

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013109.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV013109.D (-289) (-)

2.32

1000000

800000

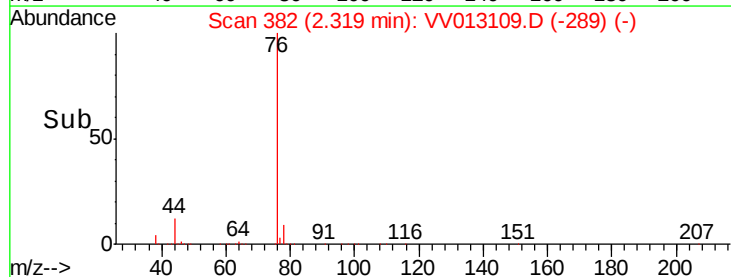
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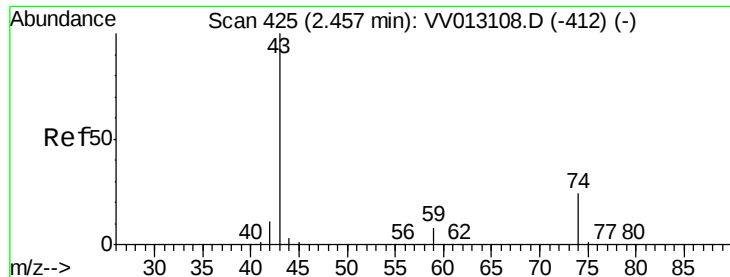
400000

200000

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Time--> 2.20 2.30 2.40 2.50

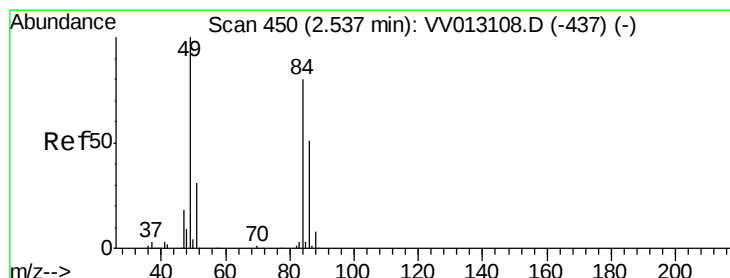
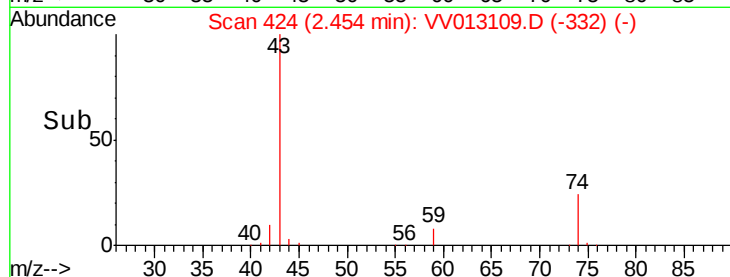
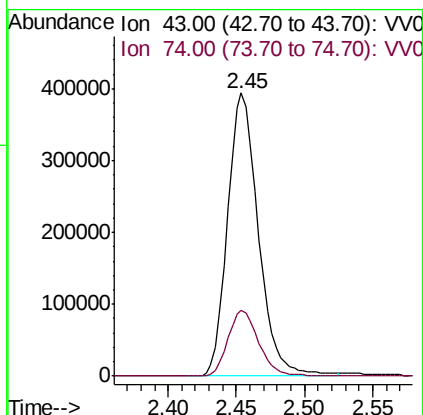
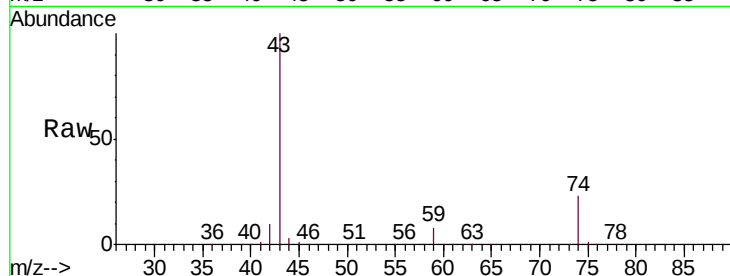




#15
Methyl Acetate
Concen: 102.759 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

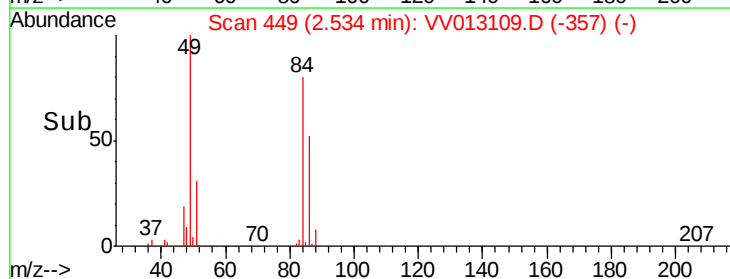
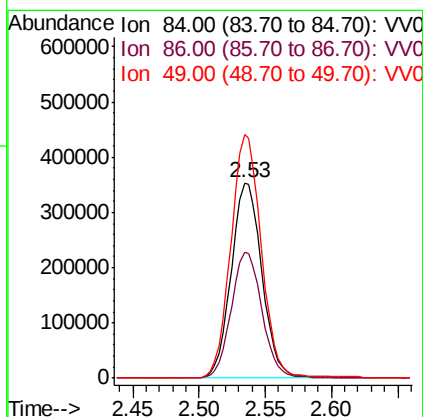
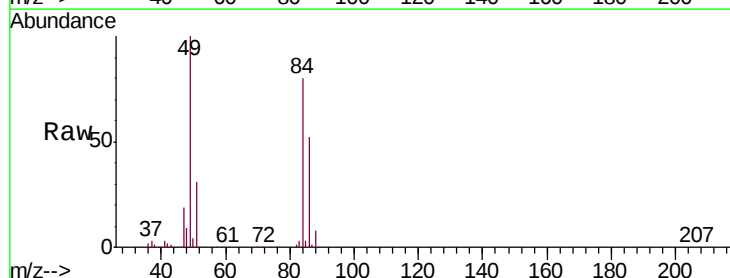
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

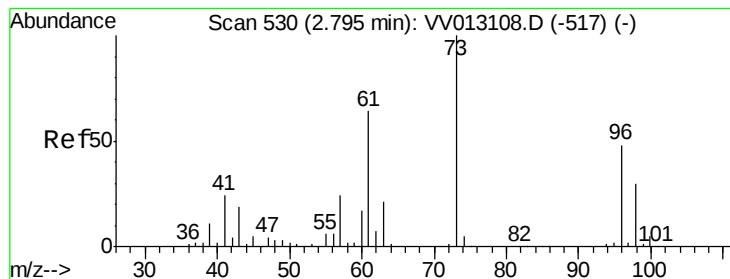
Tgt Ion: 43 Resp: 616703
Ion Ratio Lower Upper
43 100
74 23.5 18.4 27.6



#16
Methylene chloride
Concen: 105.404 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Tgt Ion: 84 Resp: 572022
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.9
49 124.9 87.8 163.0





#17

trans-1,2-Dichloroethene

Concen: 113.818 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

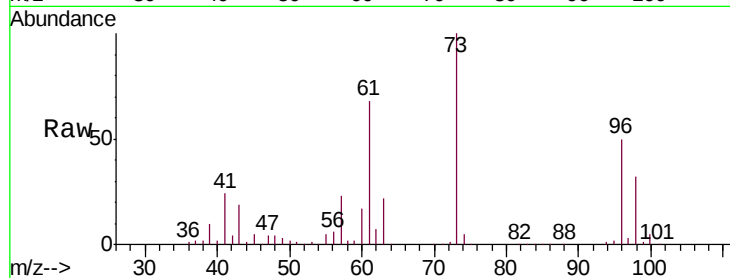
Tgt Ion: 96 Resp: 527144

Ion Ratio Lower Upper

96 100

61 137.6 93.9 174.5

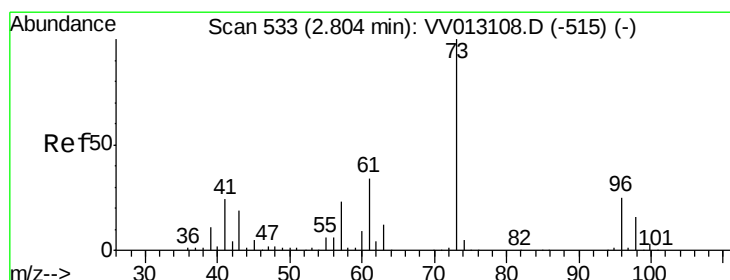
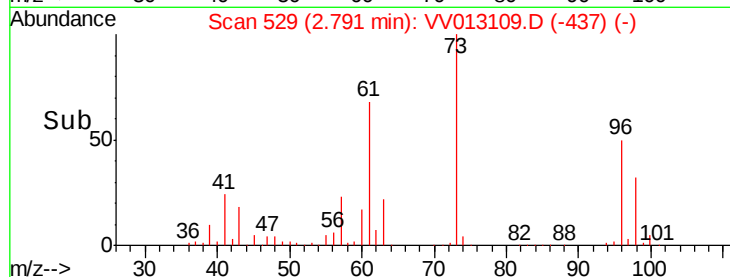
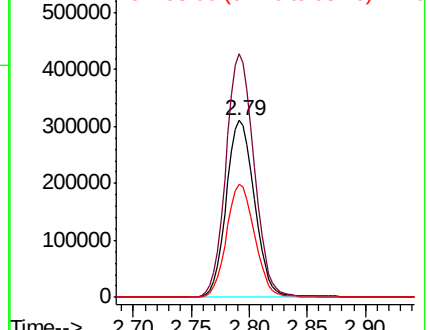
98 64.2 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 106.835 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

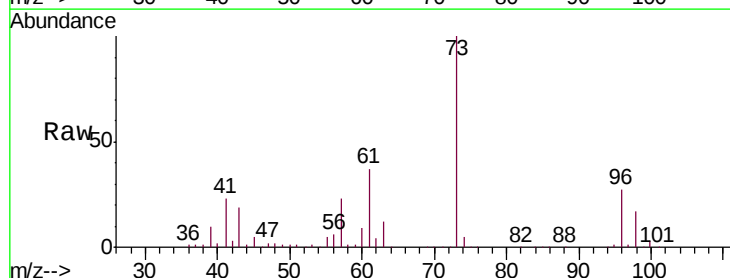
Tgt Ion: 73 Resp: 1653046

Ion Ratio Lower Upper

73 100

43 18.4 15.0 22.6

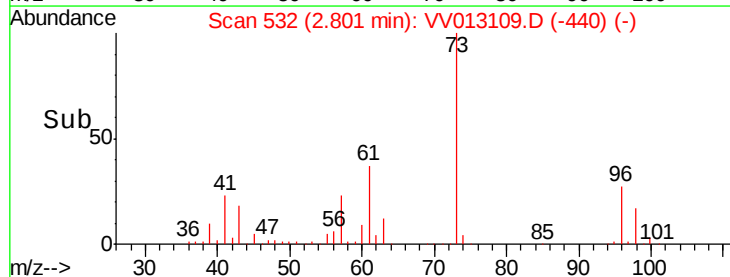
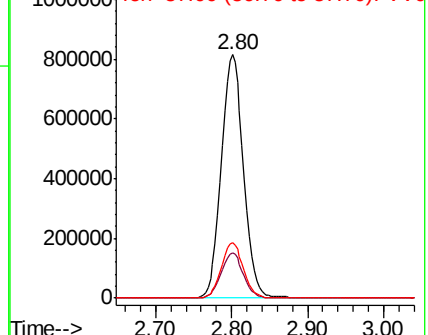
57 22.5 18.2 27.2

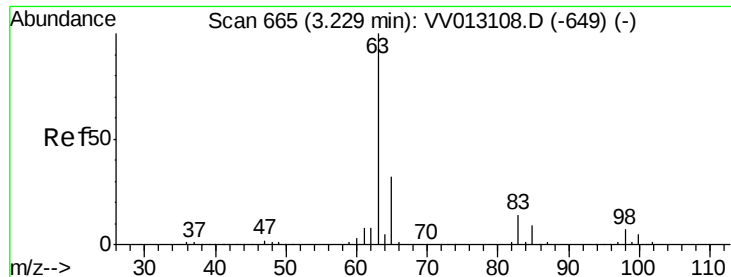


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

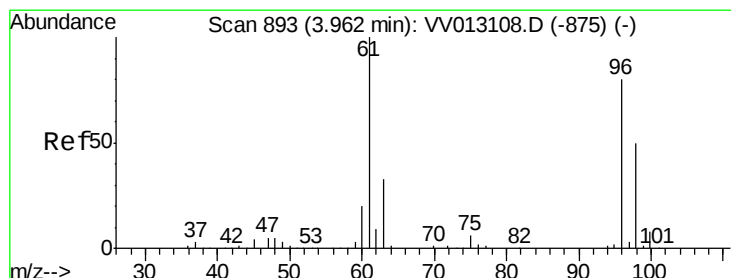
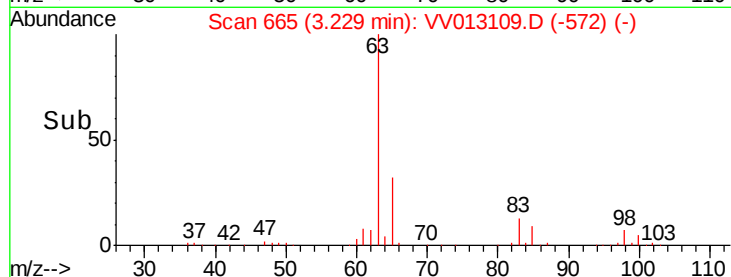
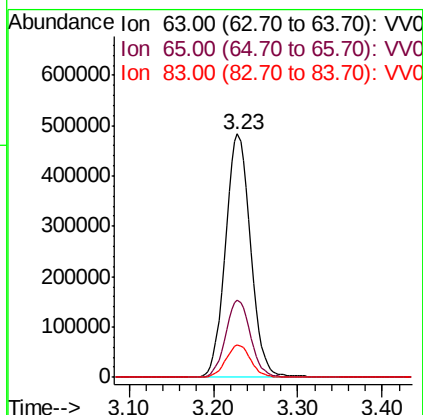
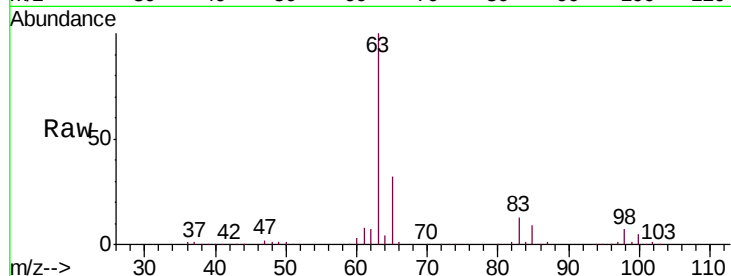




#19
 1,1-Dichloroethane
 Concen: 103.341 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

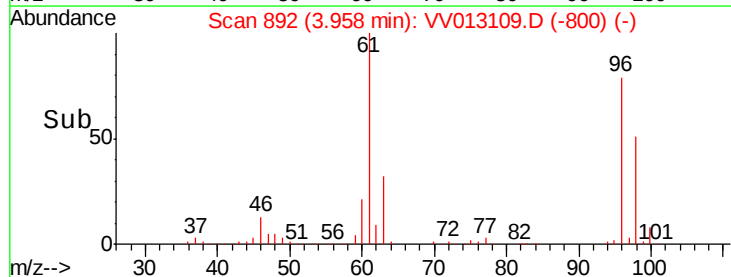
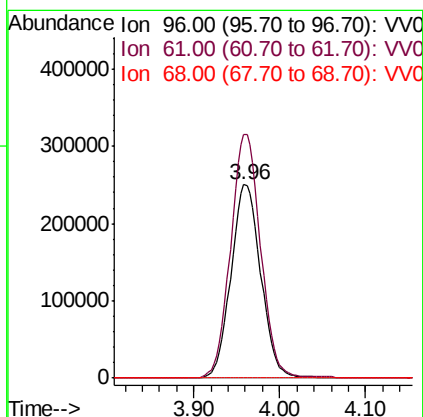
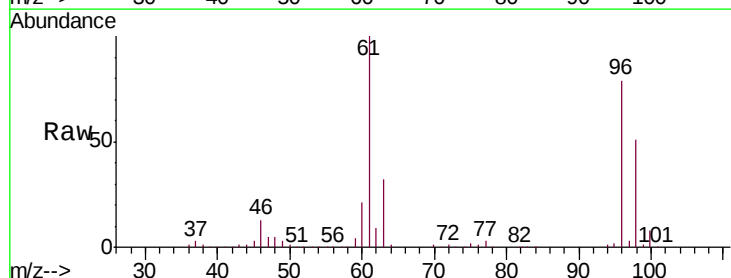
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

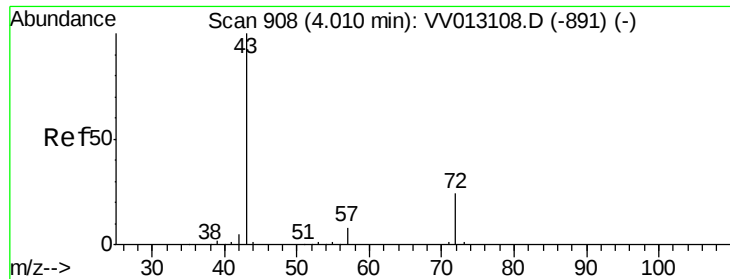
Tgt Ion: 63 Resp: 1002594
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 13.1 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 107.353 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

Tgt Ion: 96 Resp: 601849
 Ion Ratio Lower Upper
 96 100
 61 125.9 87.5 162.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 209.142 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.01 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

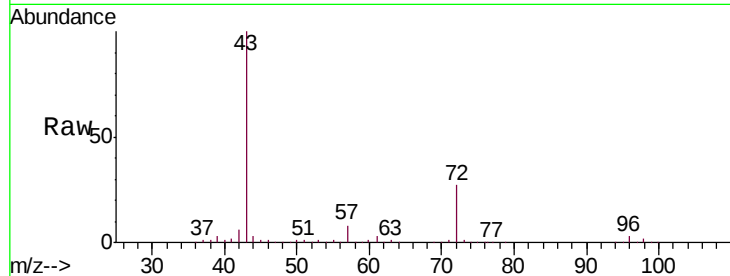
VSTD10061

Tgt Ion: 43 Resp: 960870

Ion Ratio Lower Upper

43 100

72 26.7 12.8 38.4



Abundance Ion 43.00 (42.70 to 43.70): VV013108.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV013108.D (-891) (-)

4.00

400000

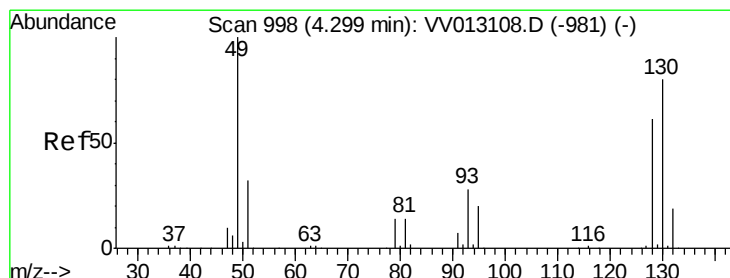
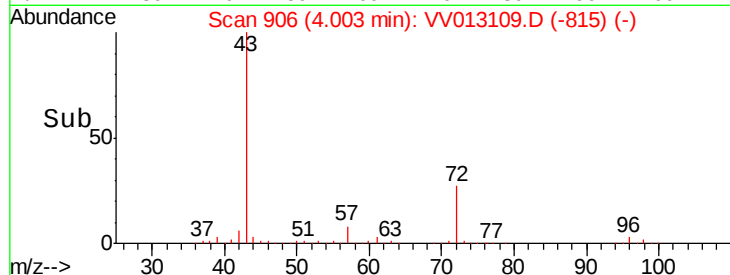
300000

200000

100000

0

Time-->



#23

Bromochloromethane

Concen: 106.916 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Tgt Ion: 128 Resp: 303525

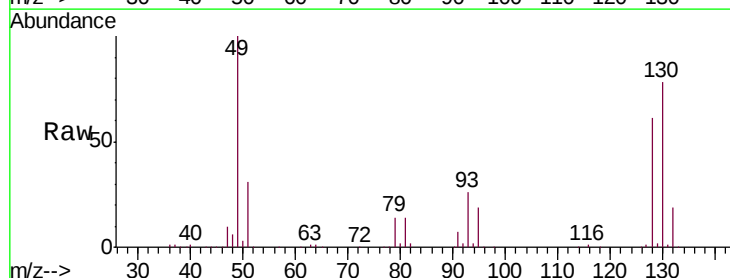
Ion Ratio Lower Upper

128 100

49 164.0 114.0 211.6

130 128.2 90.8 168.6

51 50.8 41.0 61.4



Abundance Ion 128.00 (127.70 to 128.70): VV013109.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV013109.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV013109.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV013109.D (-905) (-)

300000

250000

200000

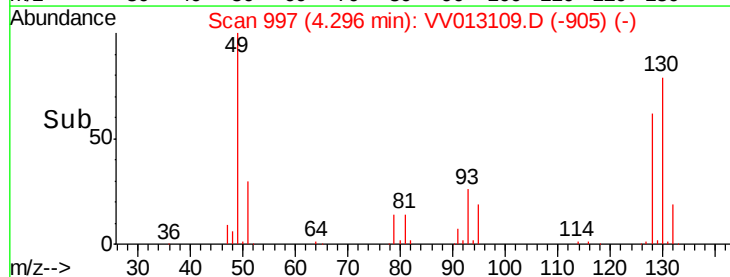
150000

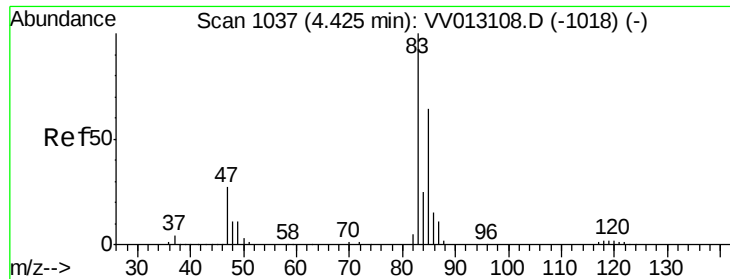
100000

50000

0

Time-->

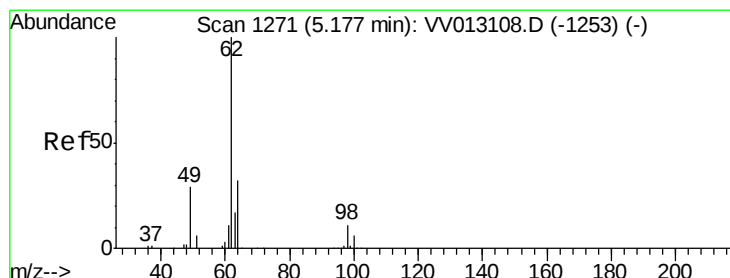
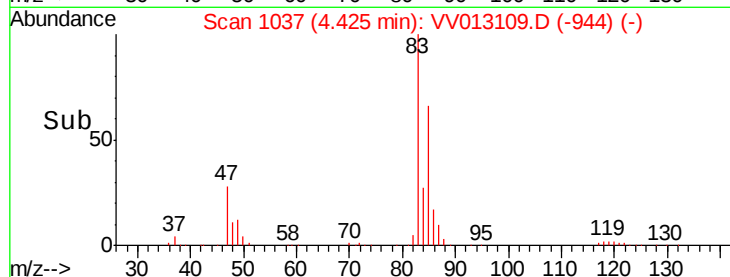
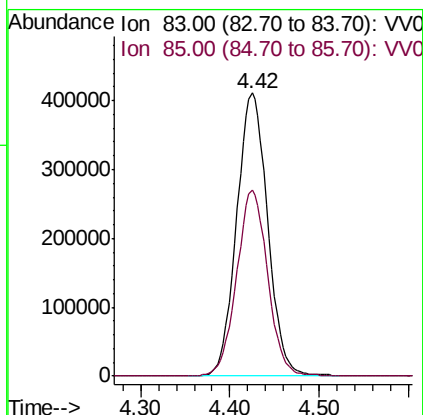
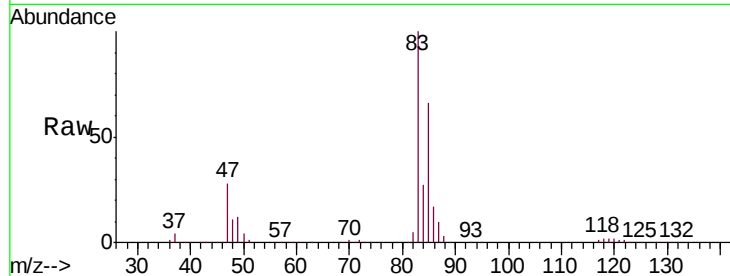




#25
Chloroform
Concen: 98.696 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

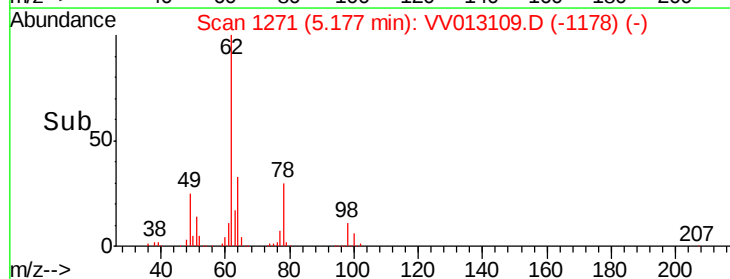
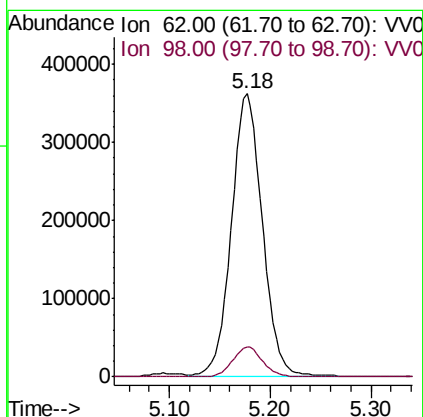
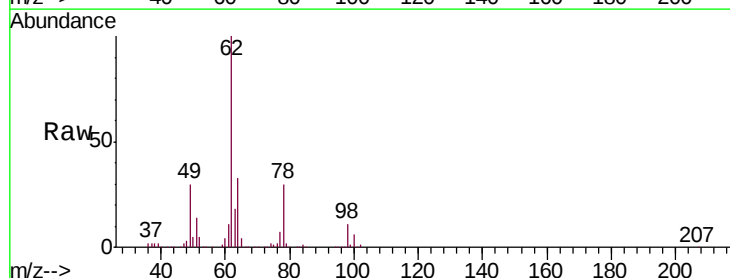
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

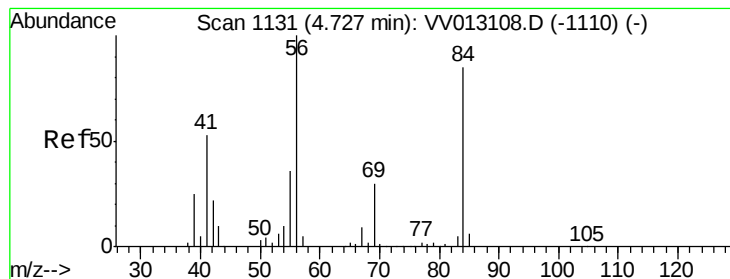
Tgt Ion: 83 Resp: 995719
Ion Ratio Lower Upper
83 100
85 65.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 101.115 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Tgt Ion: 62 Resp: 769170
Ion Ratio Lower Upper
62 100
98 10.6 8.3 12.5





#29

Cyclohexane

Concen: 124.231 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

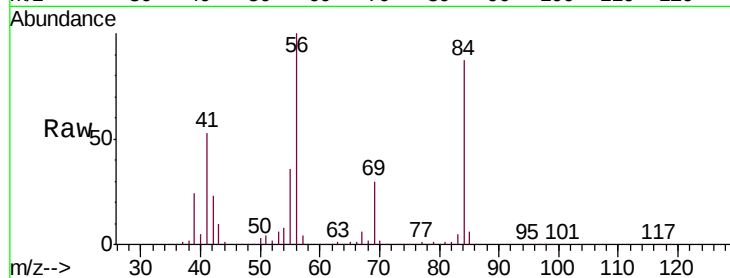
Tgt Ion: 56 Resp: 920591

Ion Ratio Lower Upper

56 100

69 29.9 24.2 36.4

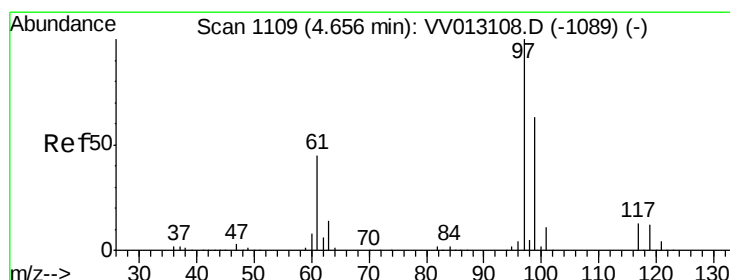
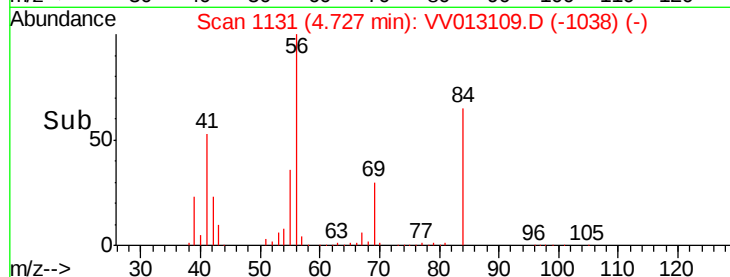
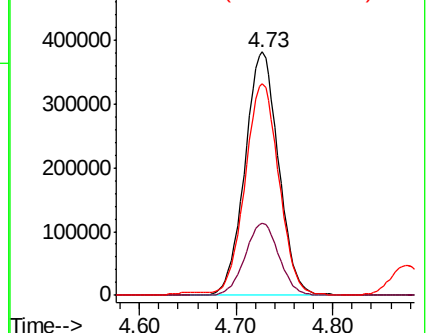
84 87.4 69.9 104.9



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: 105.179 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

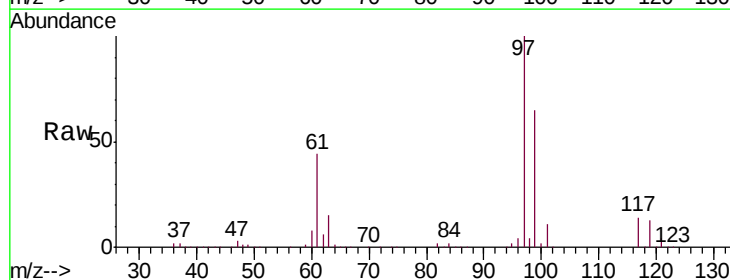
Tgt Ion: 97 Resp: 824272

Ion Ratio Lower Upper

97 100

99 64.8 51.9 77.9

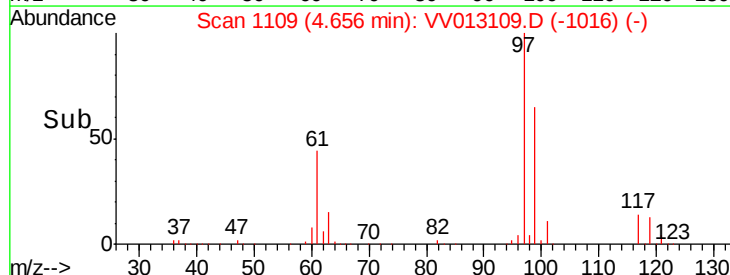
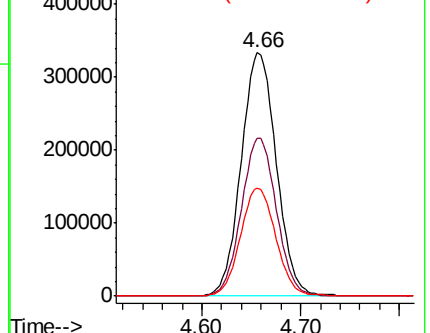
61 44.8 36.8 55.2

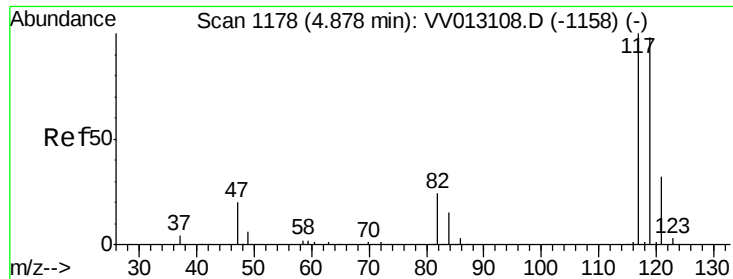


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

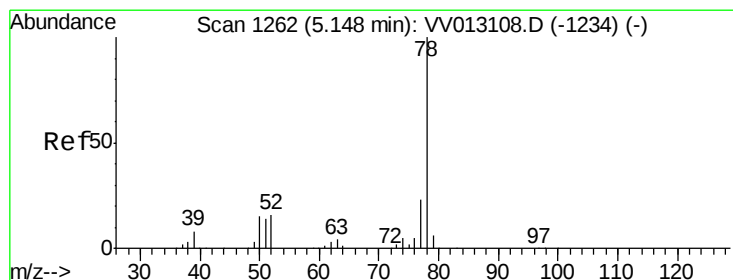
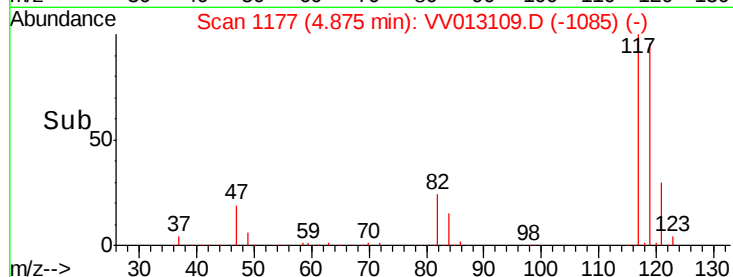
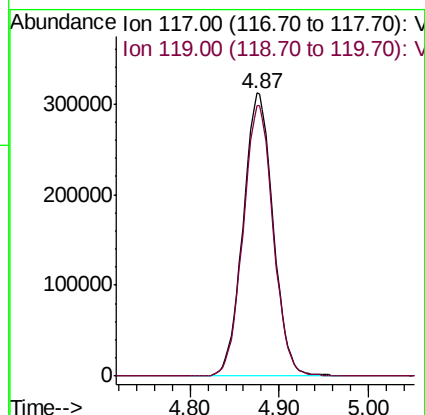
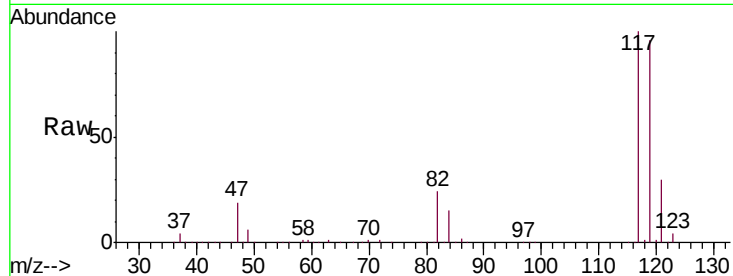




#31
Carbon tetrachloride
Concen: 107.459 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

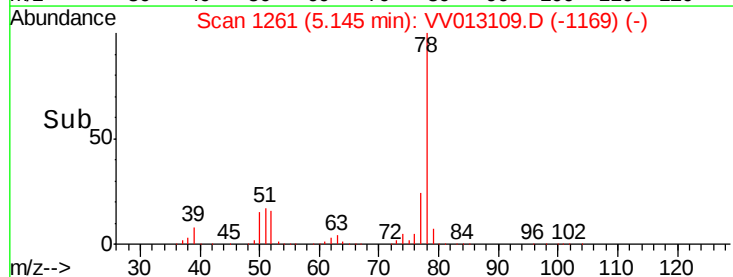
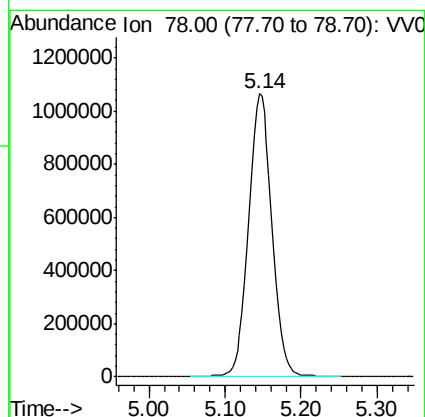
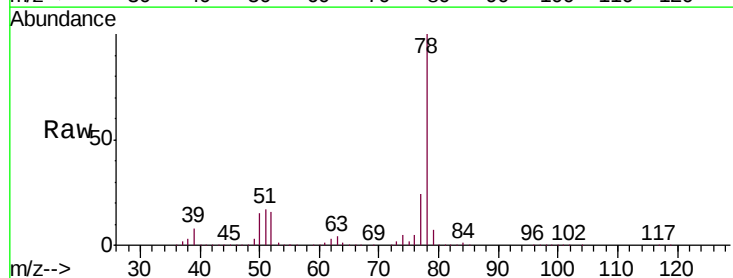
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

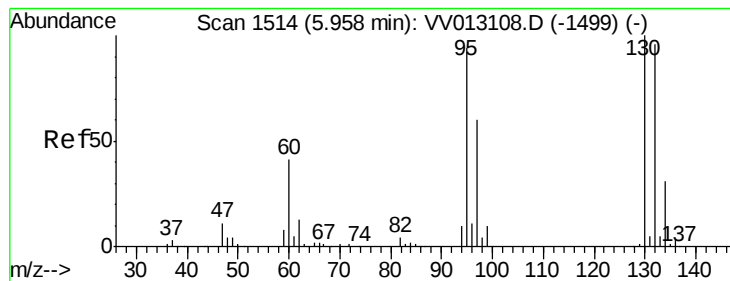
Tgt Ion:117 Resp: 730253
Ion Ratio Lower Upper
117 100
119 95.7 77.4 116.0



#33
Benzene
Concen: 110.607 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Tgt Ion: 78 Resp: 2281728





#34

Trichloroethene

Concen: 101.049 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

Tgt Ion: 95 Resp: 593605

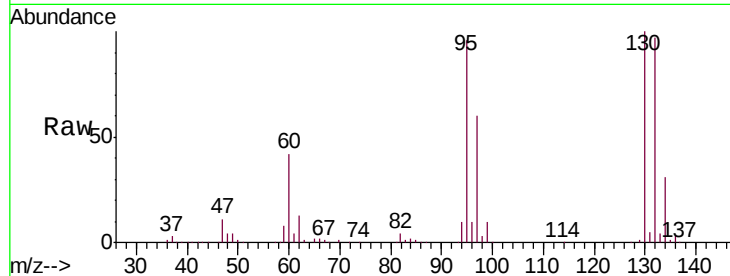
Ion Ratio Lower Upper

95 100

97 63.0 44.7 82.9

132 101.3 71.4 132.6

130 104.4 74.2 137.8

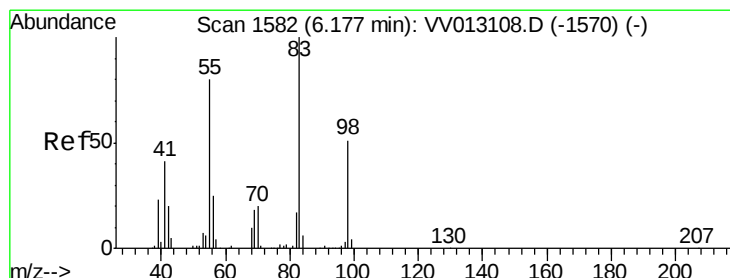
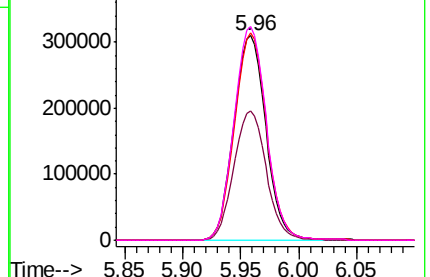
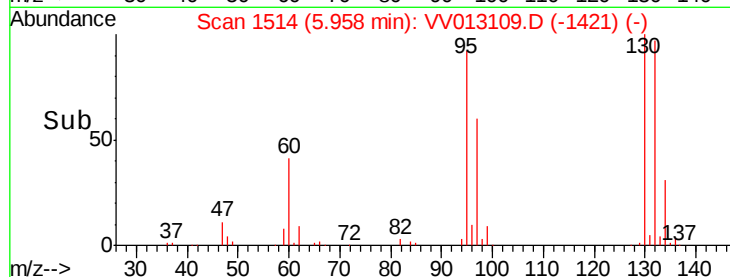


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 123.095 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

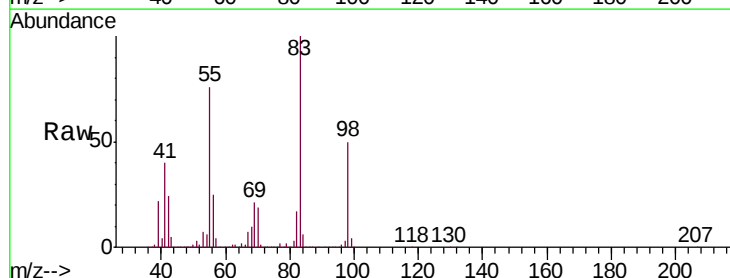
Tgt Ion: 83 Resp: 947657

Ion Ratio Lower Upper

83 100

55 75.8 61.2 91.8

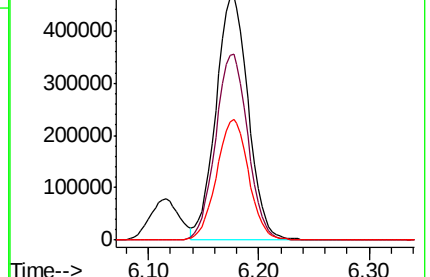
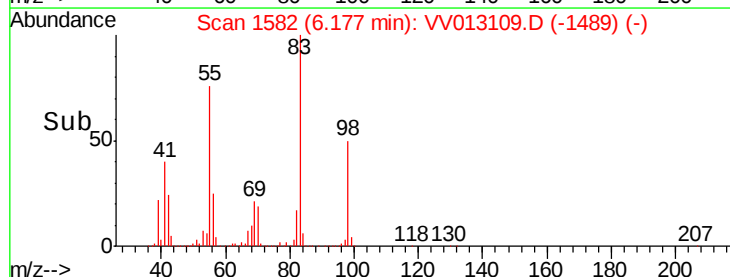
98 49.4 40.1 60.1

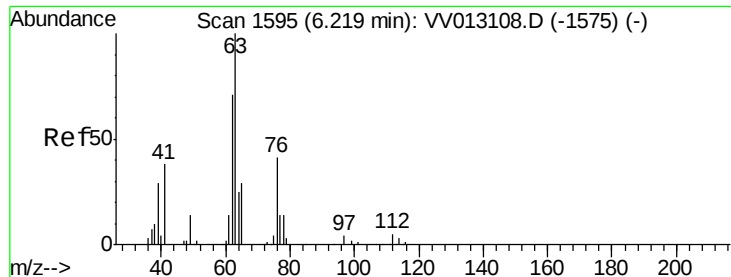


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

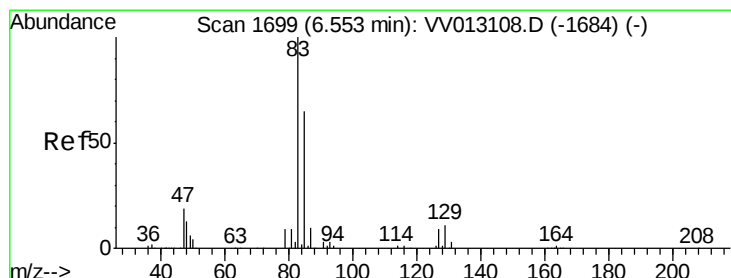
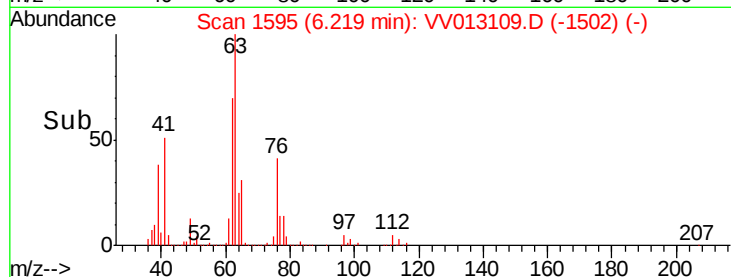
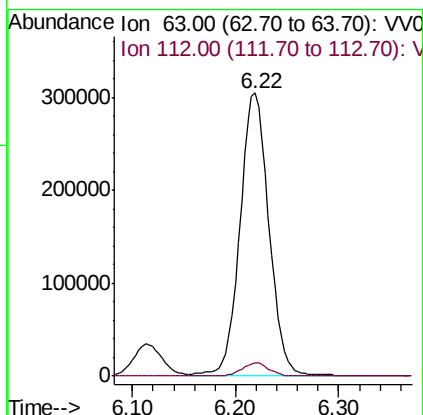
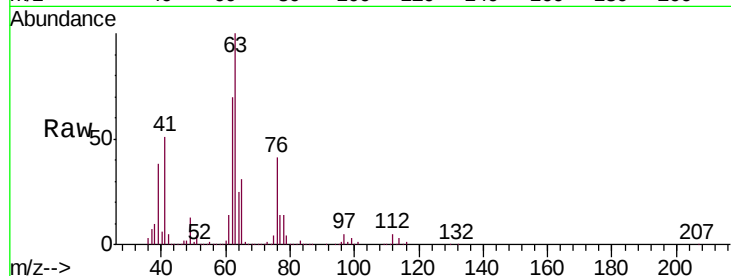




#37
 1,2-Dichloropropane
 Concen: 101.782 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

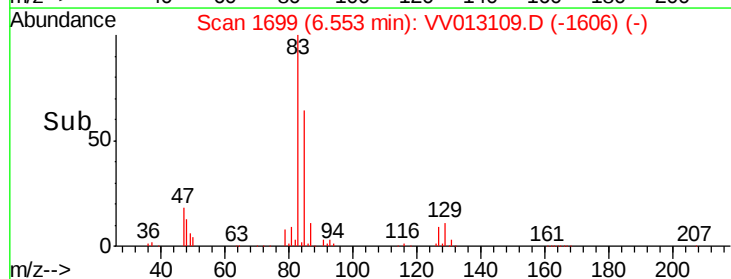
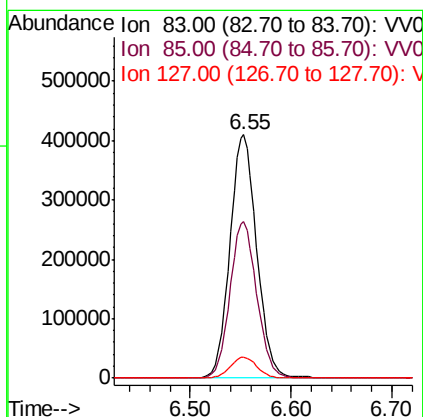
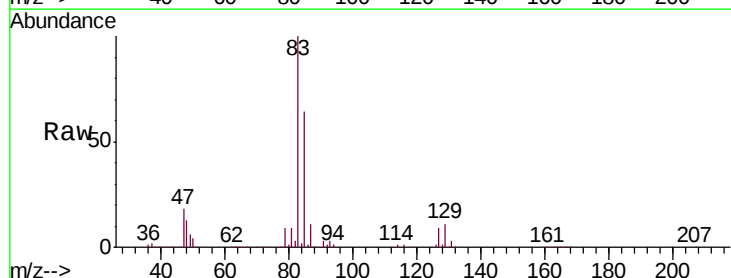
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

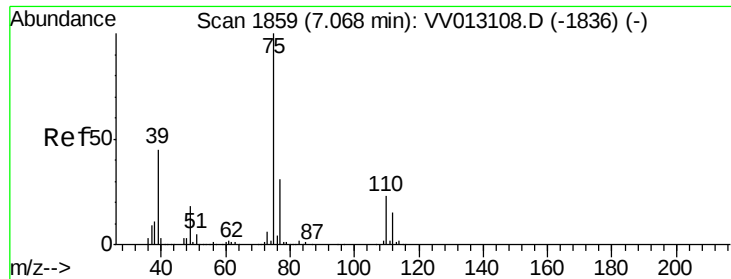
Tgt Ion: 63 Resp: 592304
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 101.323 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

Tgt Ion: 83 Resp: 755937
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.8 85.0
 127 8.7 7.4 11.0

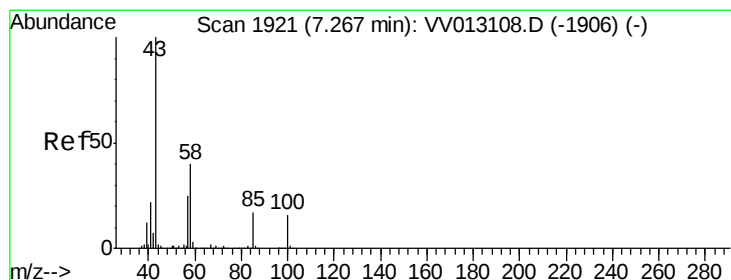
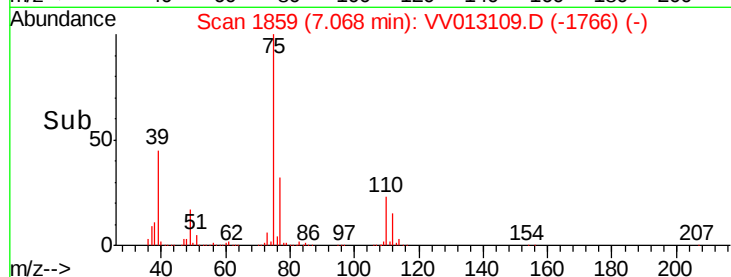
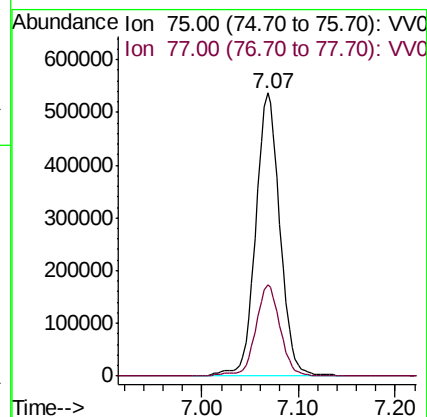
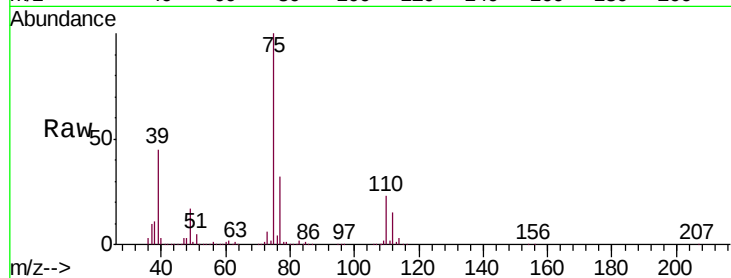




#39
 cis-1,3-Dichloropropene
 Concen: 113.348 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

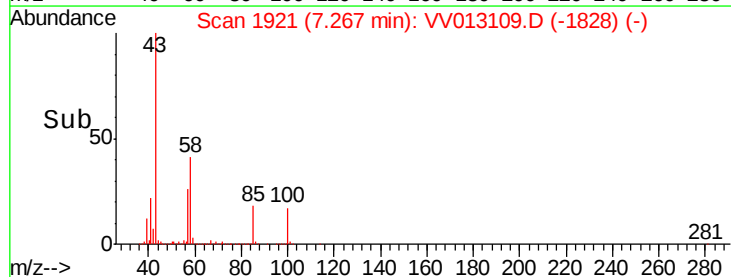
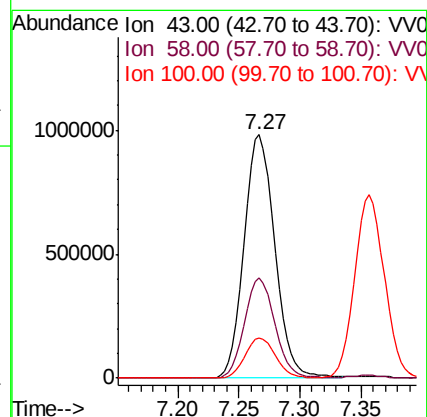
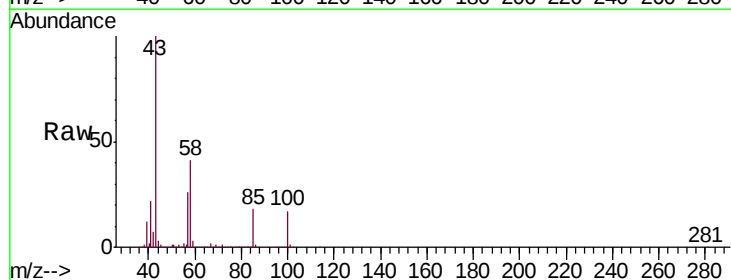
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

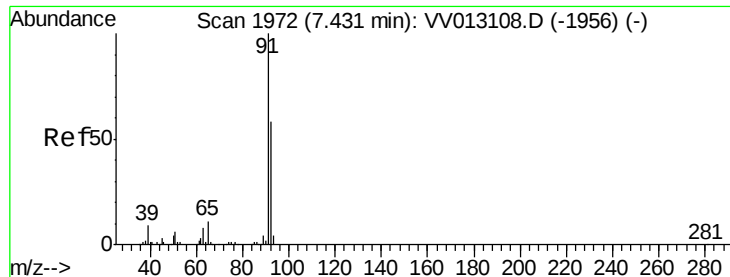
Tgt Ion: 75 Resp: 934936
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 214.670 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

Tgt Ion: 43 Resp: 1708199
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.0 48.0
 100 16.5 12.7 19.1





#42

Toluene

Concen: 113.362 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

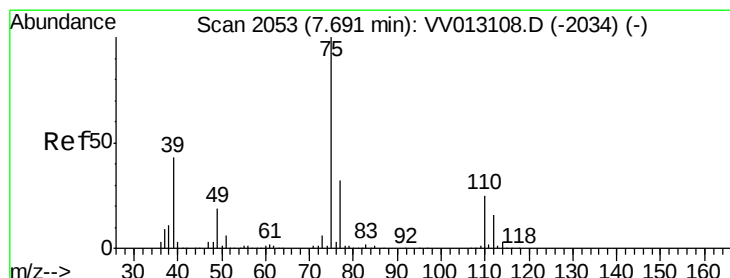
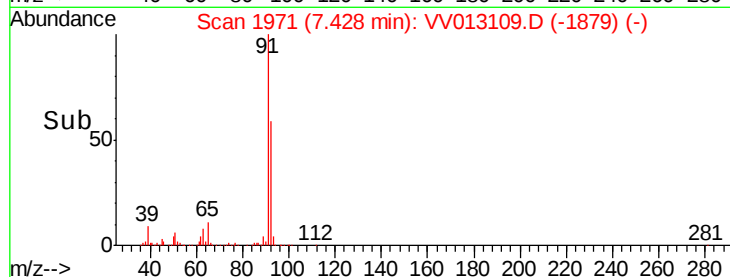
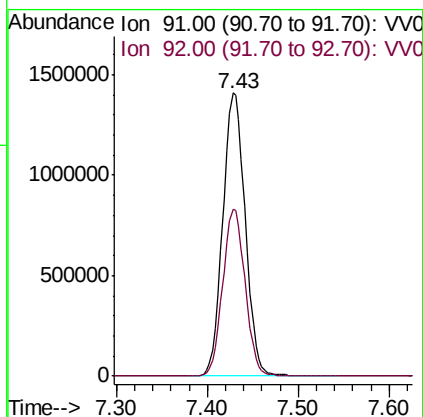
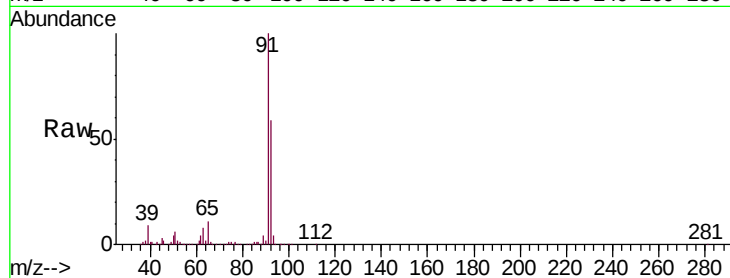
VSTD10061

Tgt Ion: 91 Resp: 2419562

Ion Ratio Lower Upper

91 100

92 59.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 112.288 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013109.D

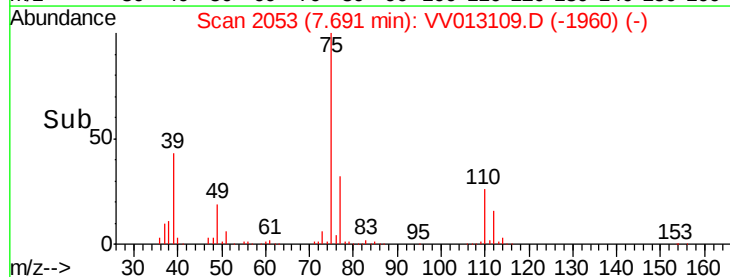
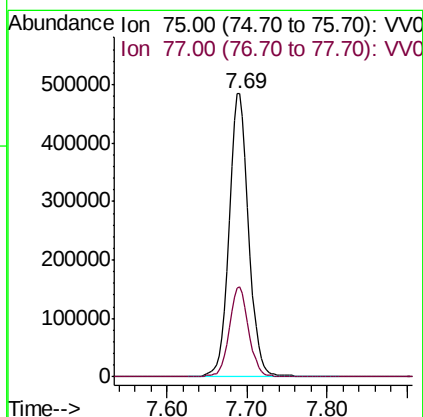
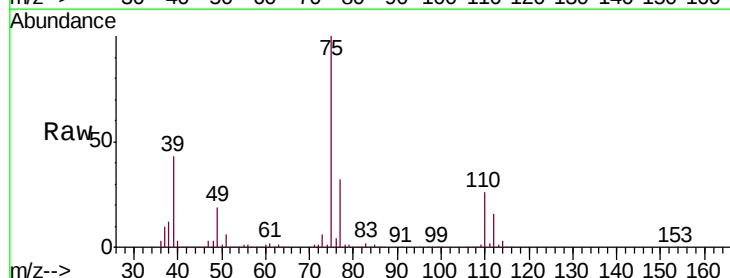
Acq: 11 Oct 2019 18:18

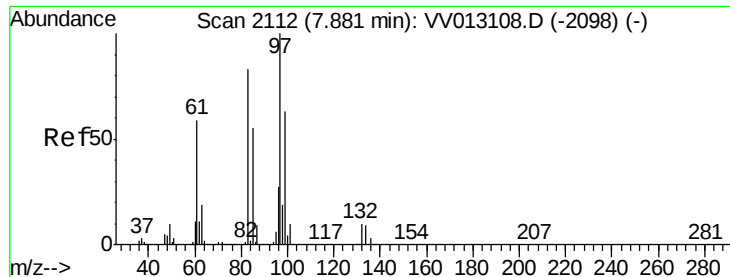
Tgt Ion: 75 Resp: 812022

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0

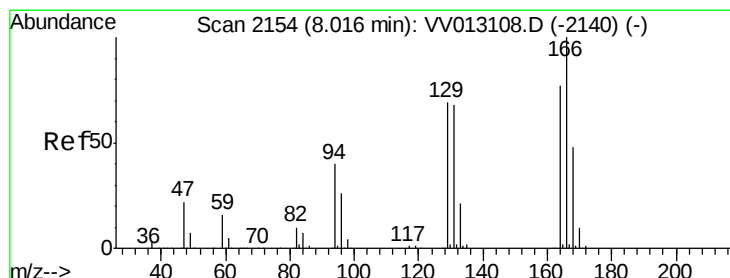
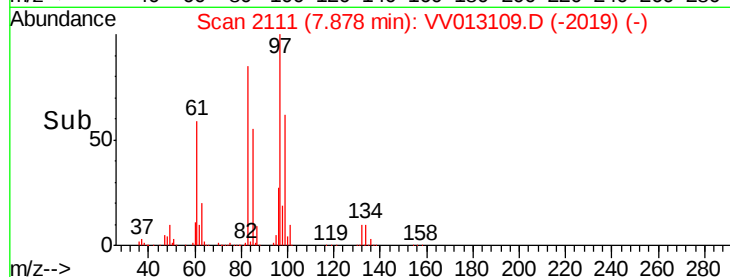
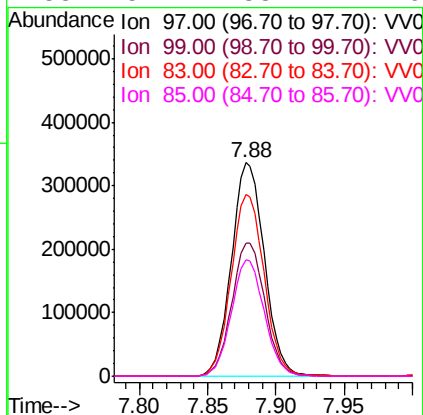
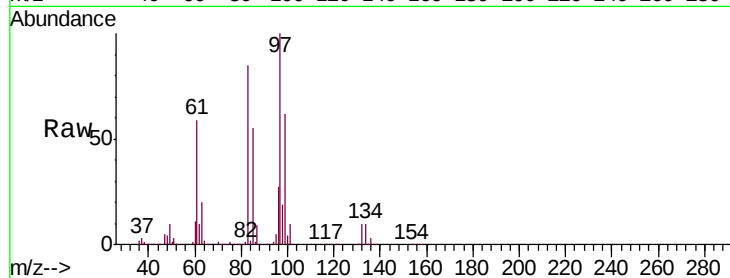




#45
 1,1,2-Trichloroethane
 Concen: 100.011 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

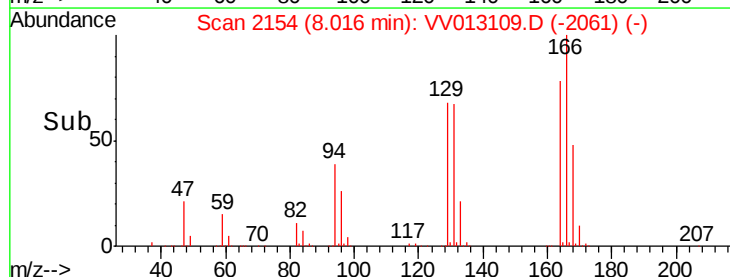
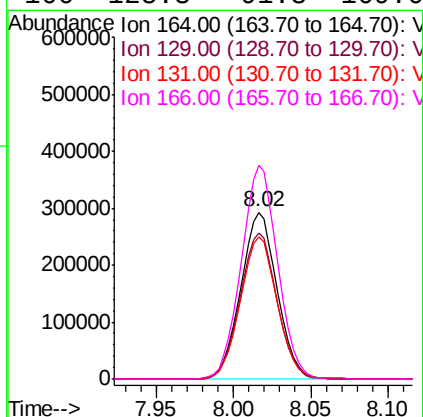
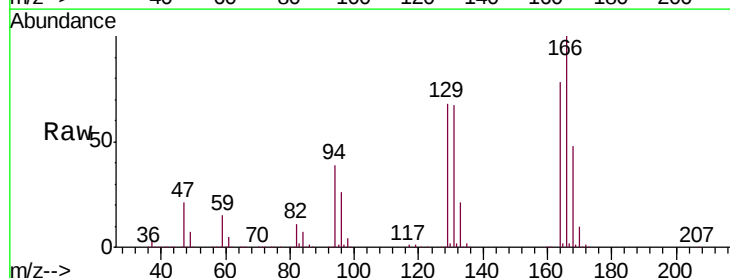
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

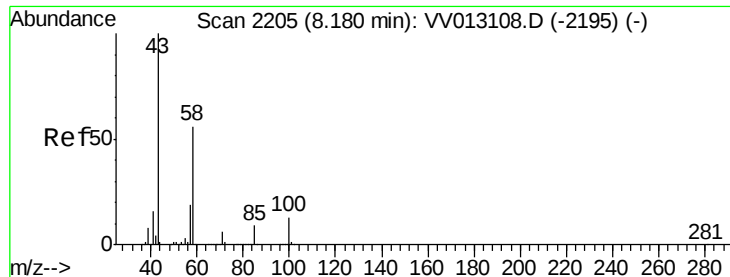
Tgt Ion:	97	Resp:	564833
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.4	82.5
83	85.1	58.2	108.0
85	54.7	38.7	71.9



#46
 Tetrachloroethene
 Concen: 113.678 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

Tgt Ion:	164	Resp:	476518
Ion	Ratio	Lower	Upper
164	100		
129	87.8	63.1	117.1
131	85.3	62.4	116.0
166	128.3	91.3	169.6



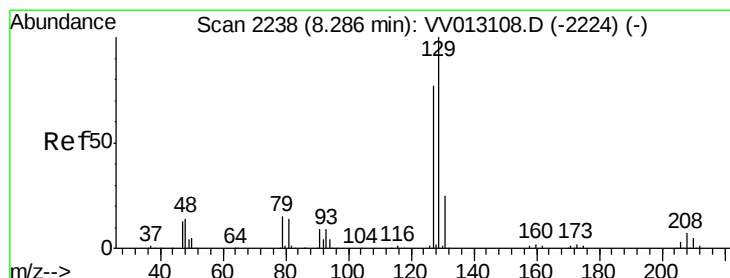
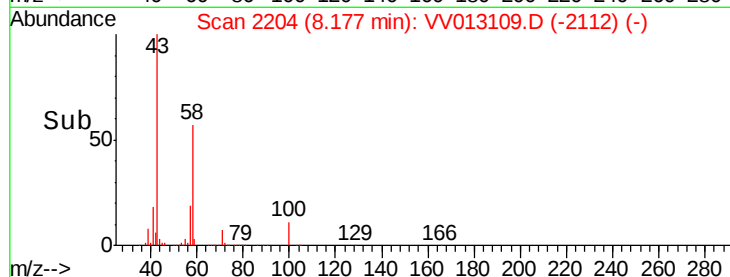
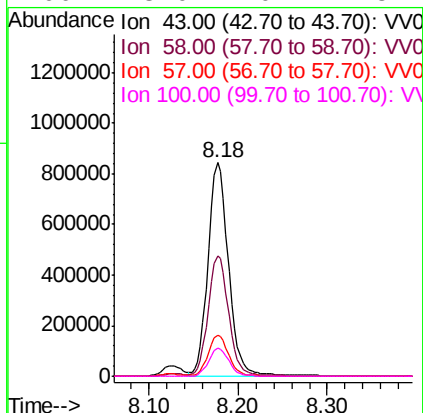
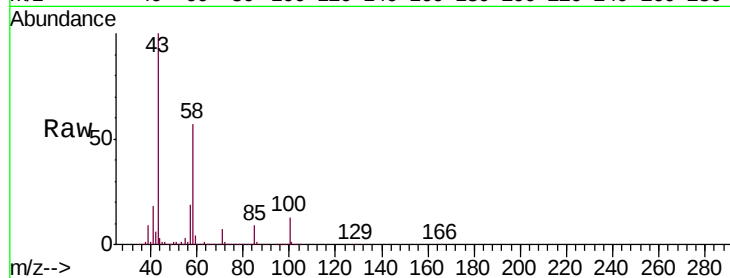


#48
2-Hexanone
Concen: 211.080 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Tgt Ion: 43 Resp: 1341727

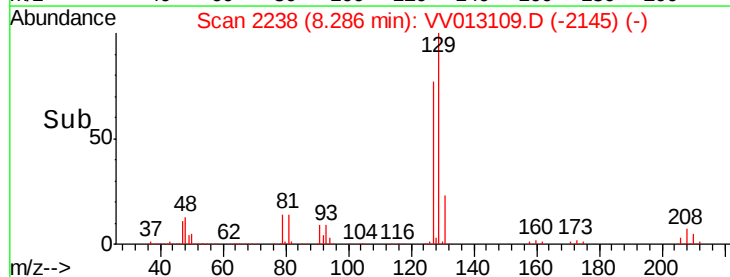
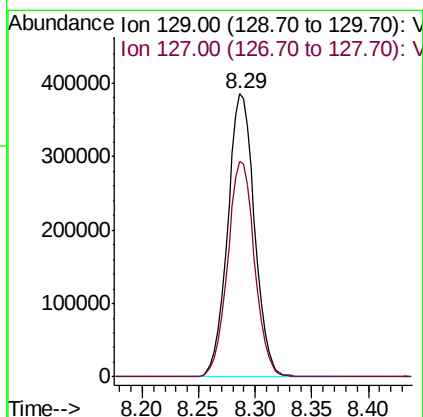
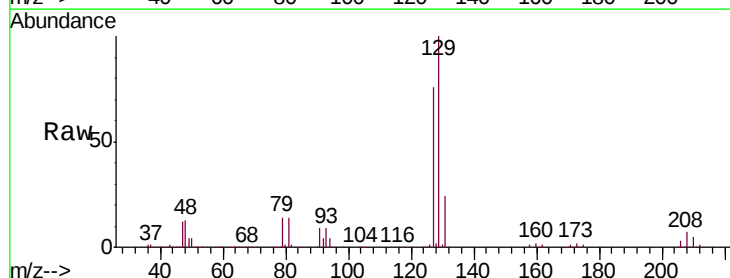
Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.9	67.3
57	19.1	15.0	22.6
100	13.0	10.2	15.2

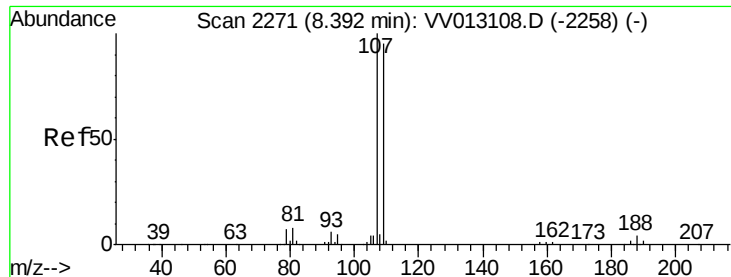


#49
Dibromochloromethane
Concen: 107.180 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Tgt Ion: 129 Resp: 636760

Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.0	100.4

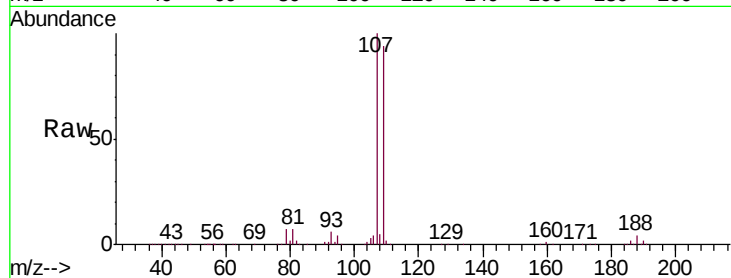




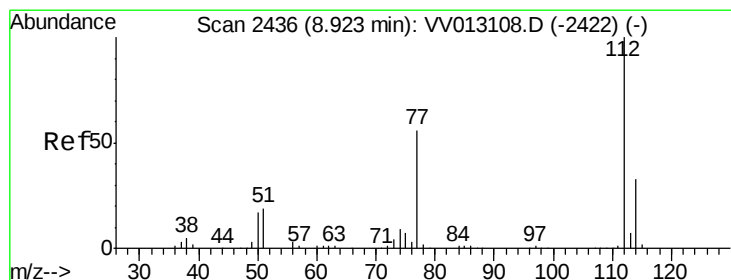
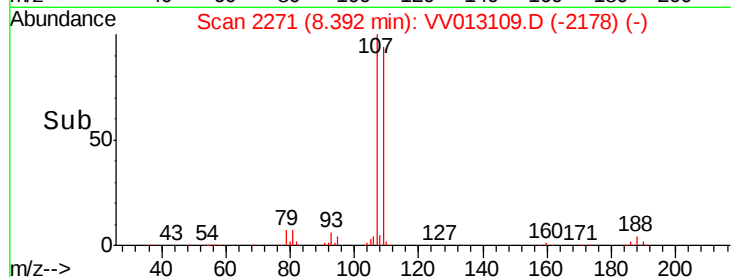
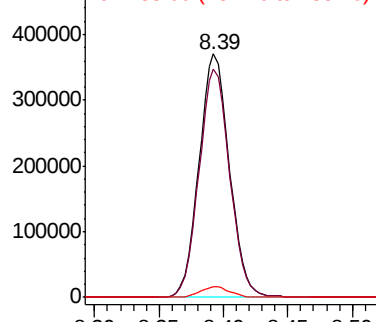
#50
1,2-Dibromoethane
Concen: 109.672 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.6	123.6
188	4.3	3.4	5.2

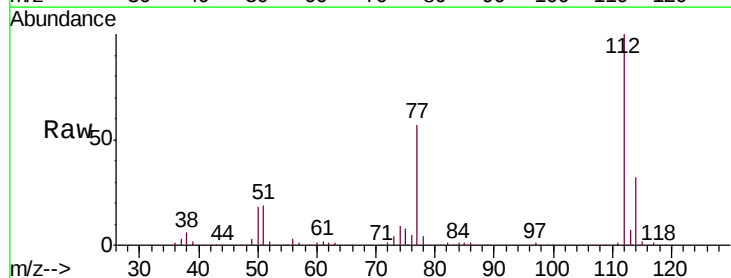


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

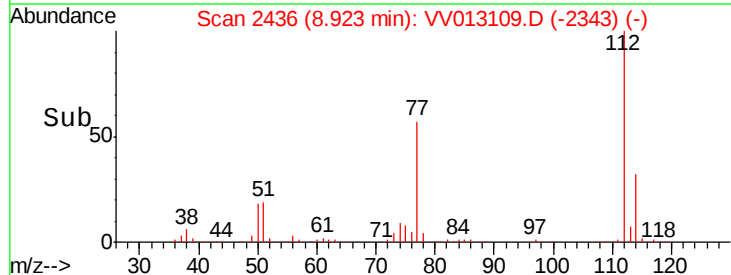
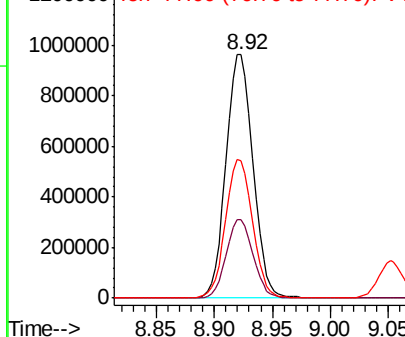


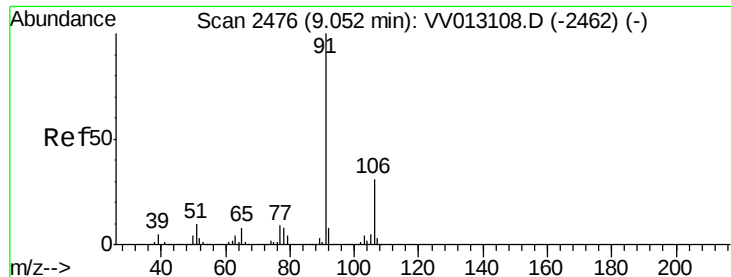
#51
Chlorobenzene
Concen: 107.016 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV013109.D
Acq: 11 Oct 2019 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.8	42.4
77	56.6	45.1	67.7



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





#52

Ethylbenzene

Concen: 114.084 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

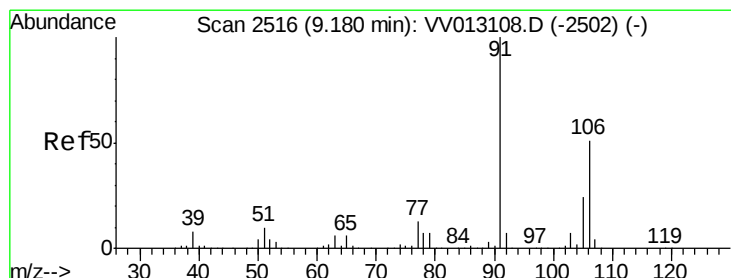
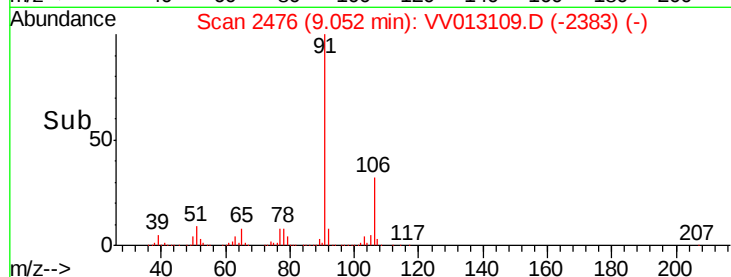
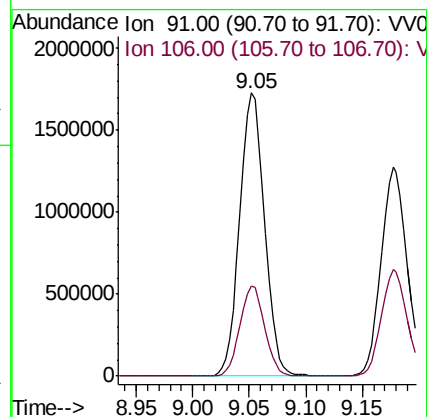
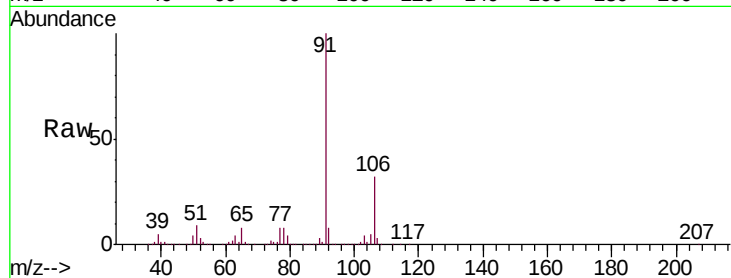
VSTD10061

Tgt Ion: 91 Resp: 2658956

Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



#53

m,p-Xylene

Concen: 119.005 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013109.D

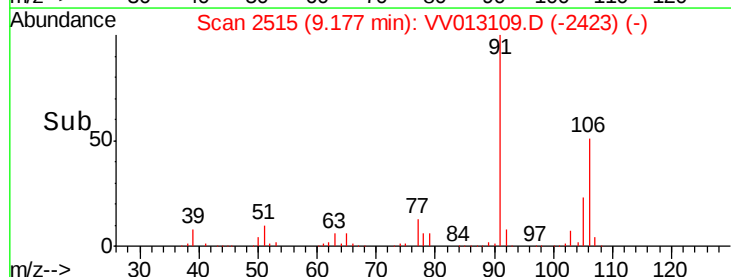
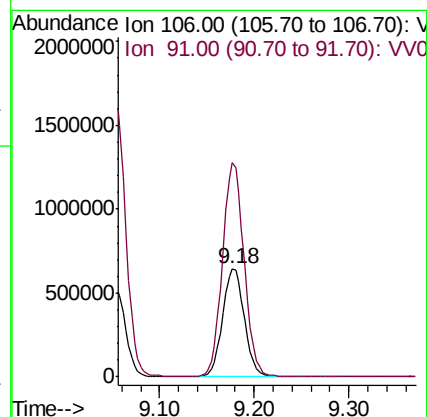
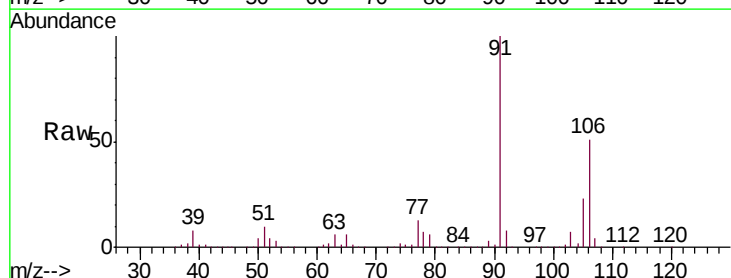
Acq: 11 Oct 2019 18:18

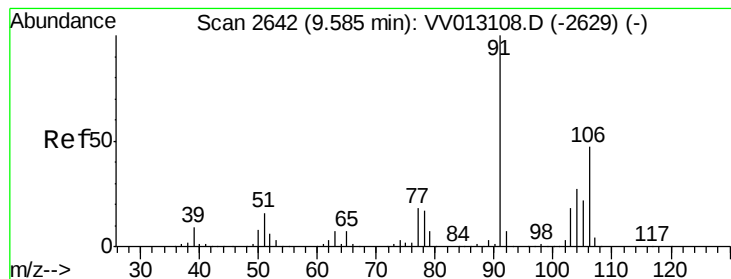
Tgt Ion: 106 Resp: 1026974

Ion Ratio Lower Upper

106 100

91 197.1 137.8 255.8





#54

o-xylene

Concen: 116.792 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

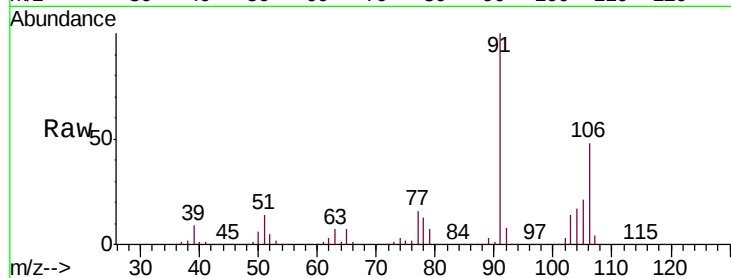
VSTD10061

Tgt Ion:106 Resp: 1017915

Ion Ratio Lower Upper

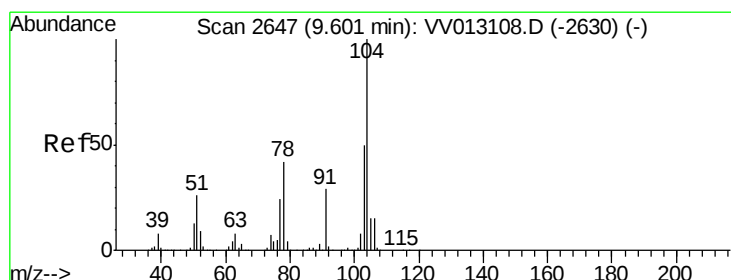
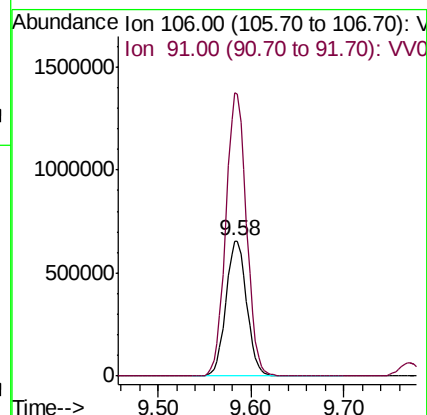
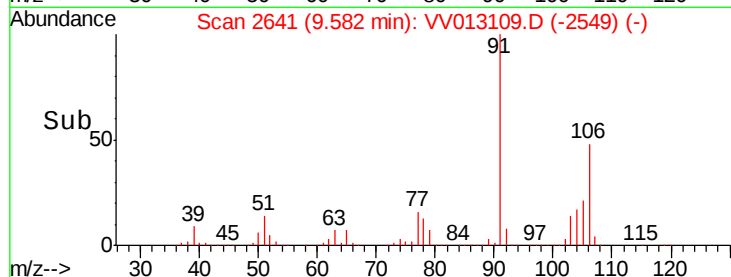
106 100

91 209.7 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 117.874 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013109.D

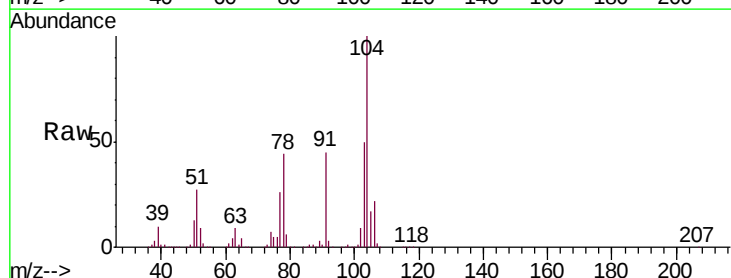
Acq: 11 Oct 2019 18:18

Tgt Ion:104 Resp: 1724859

Ion Ratio Lower Upper

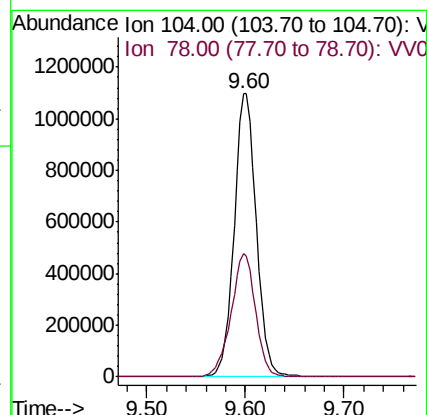
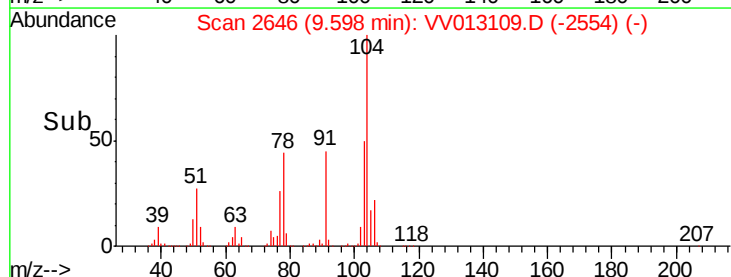
104 100

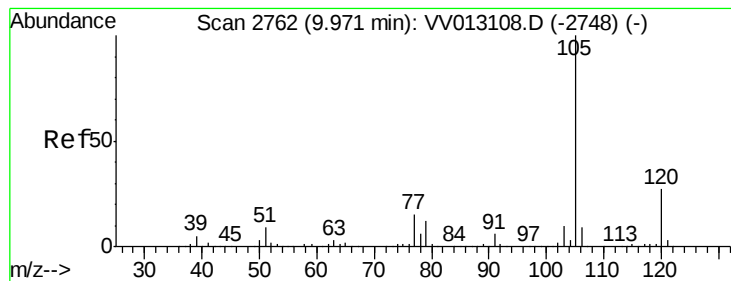
78 43.7 29.1 54.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 115.859 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

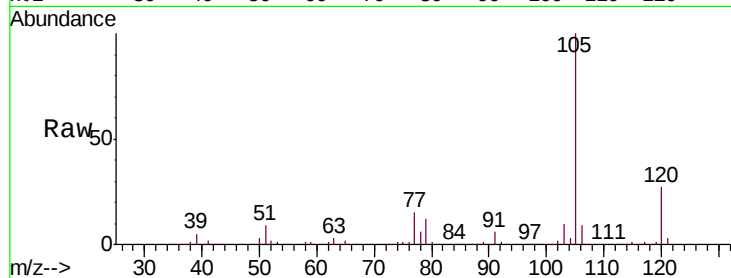
Tgt Ion: 105 Resp: 2636875

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

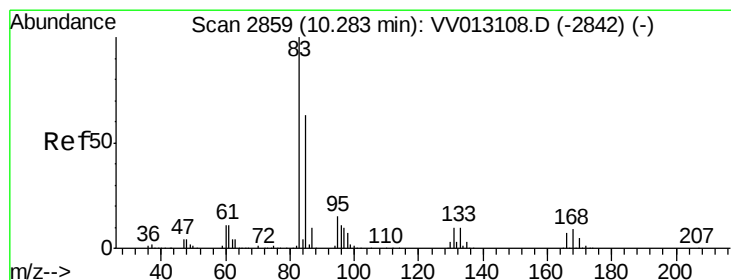
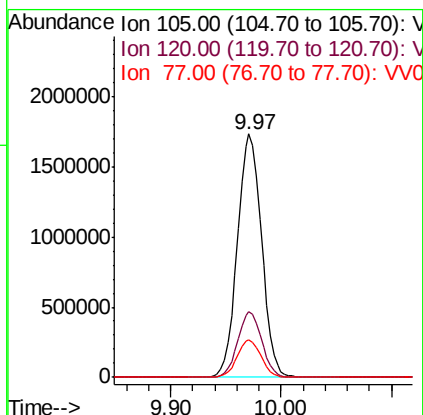
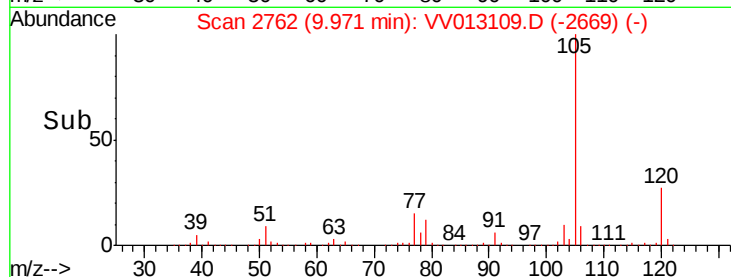
77 15.1 12.1 18.1



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: 109.147 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

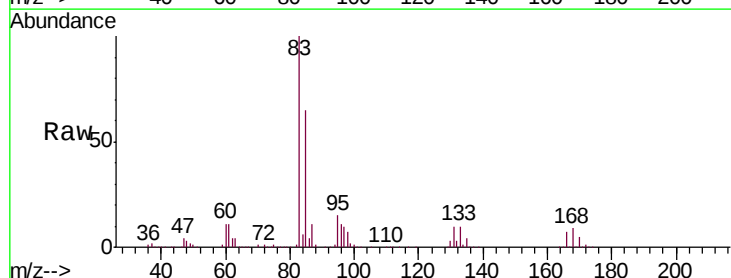
Tgt Ion: 83 Resp: 853034

Ion Ratio Lower Upper

83 100

85 64.9 44.3 82.3

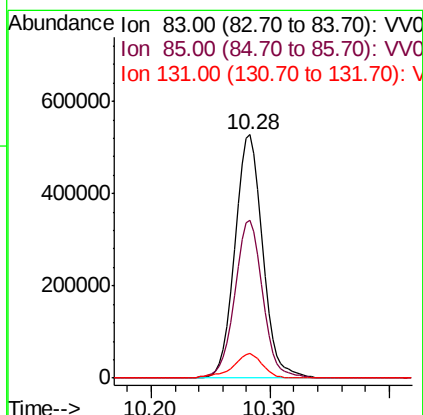
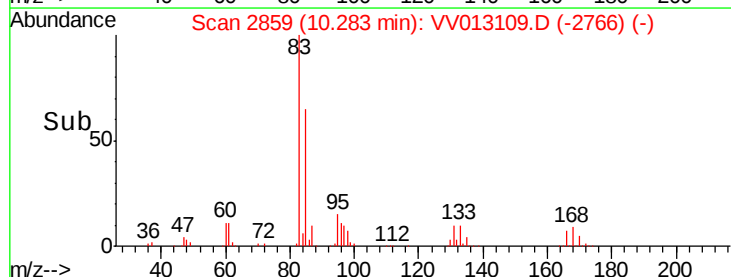
131 10.1 8.1 12.1

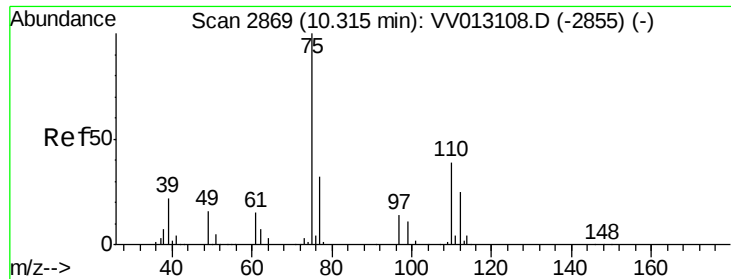


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 100.433 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

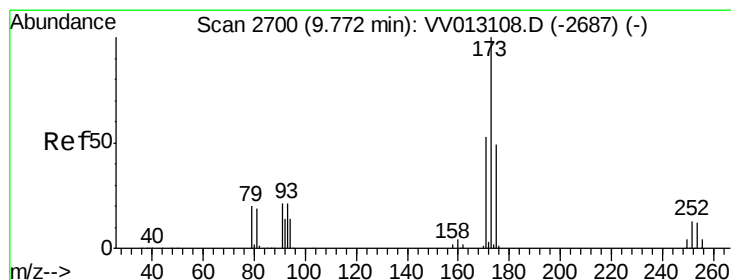
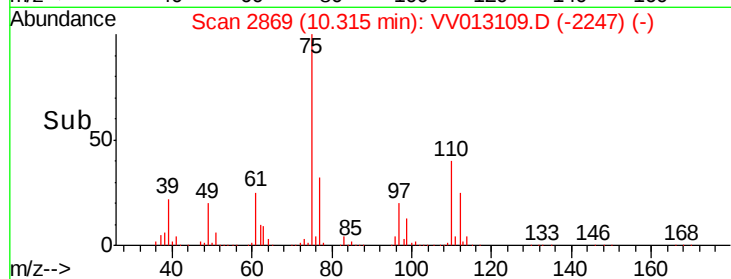
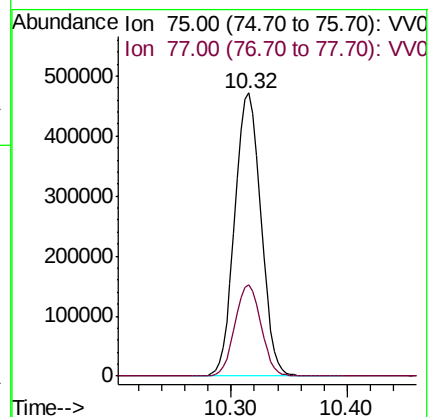
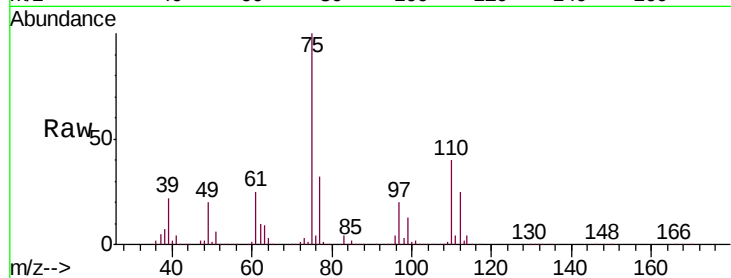
VSTD10061

Tgt Ion: 75 Resp: 736587

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 104.767 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

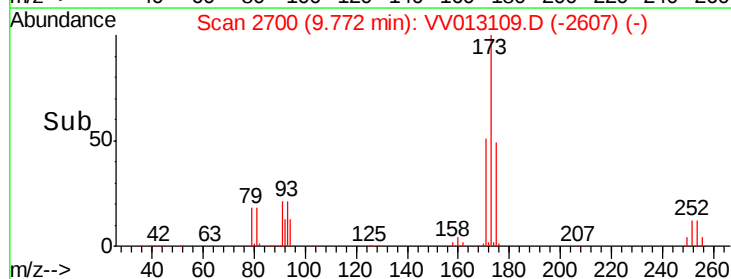
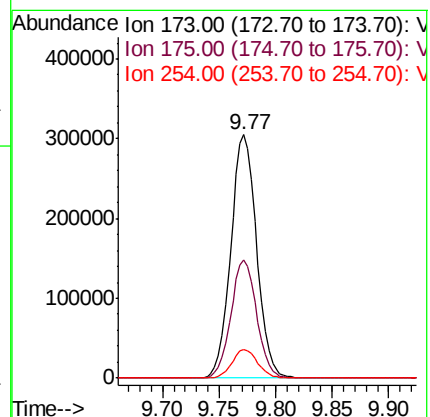
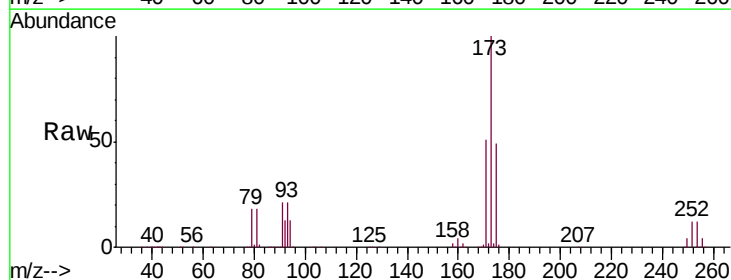
Tgt Ion: 173 Resp: 483513

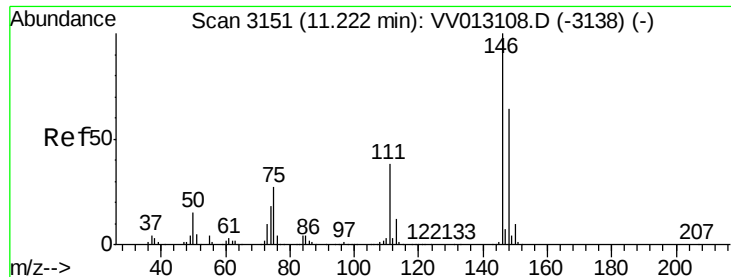
Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

254 11.8 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 104.505 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

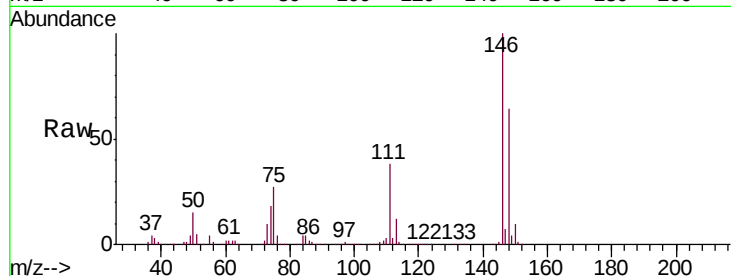
Tgt Ion:146 Resp: 1220683

Ion Ratio Lower Upper

146 100

111 38.1 26.6 49.4

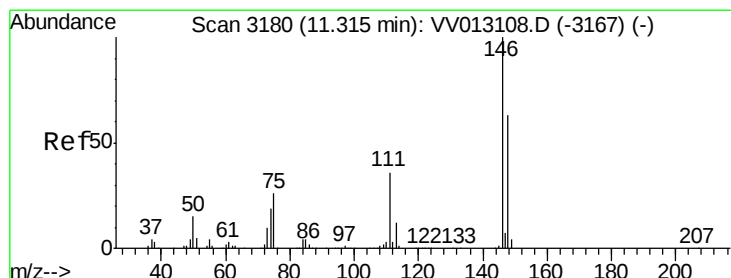
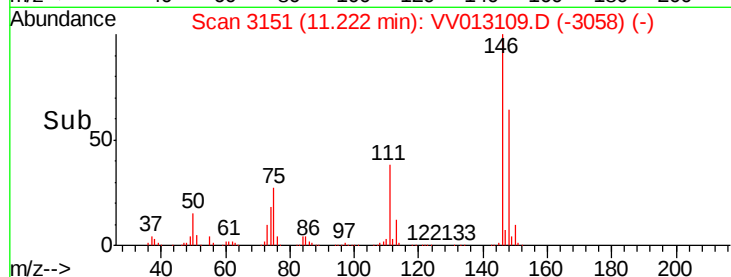
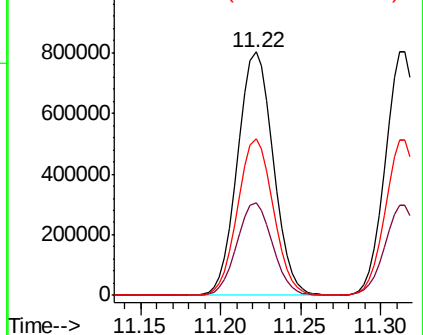
148 64.2 44.6 82.8



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



#63

1,4-Dichlorobenzene

Concen: 101.904 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

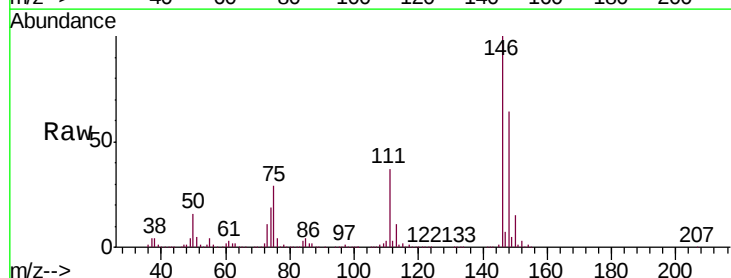
Tgt Ion:146 Resp: 1218152

Ion Ratio Lower Upper

146 100

111 36.8 25.4 47.2

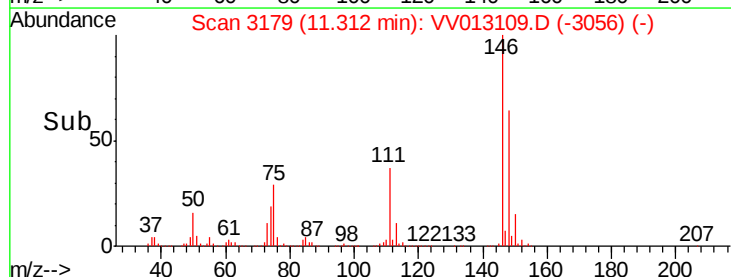
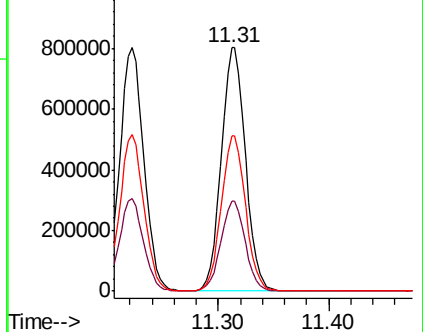
148 63.6 44.2 82.2

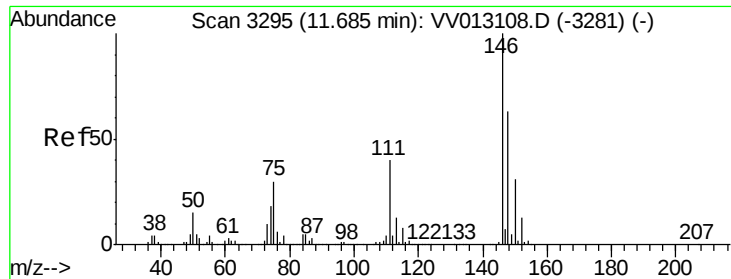


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

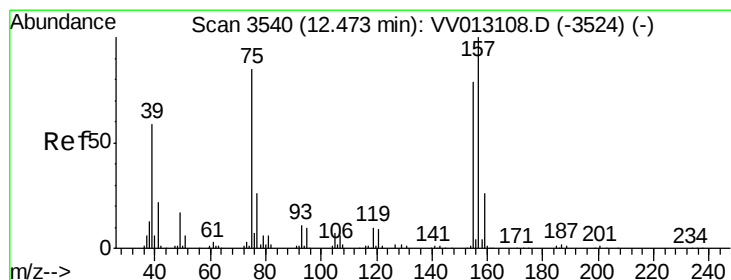
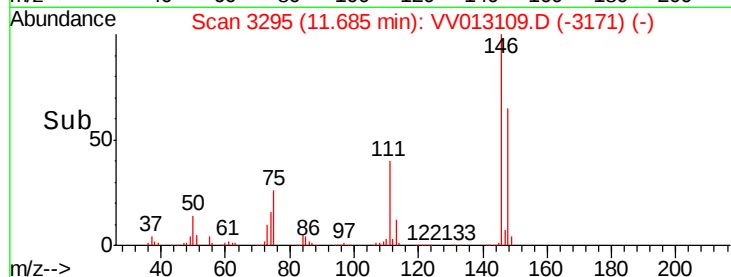
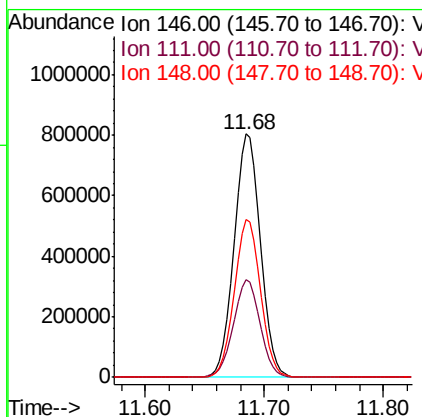
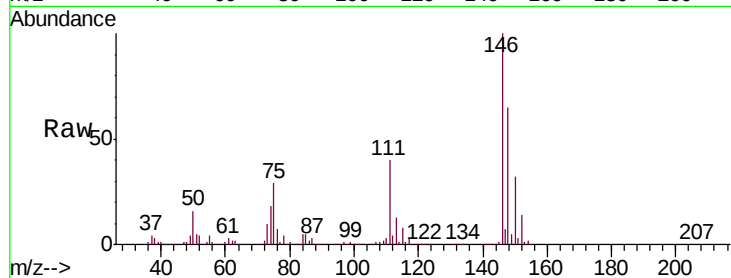




#65
 1,2-Dichlorobenzene
 Concen: 100.834 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

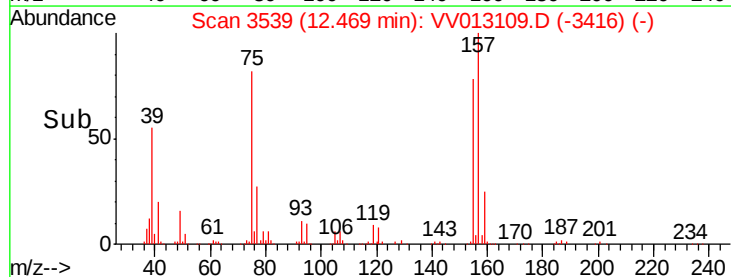
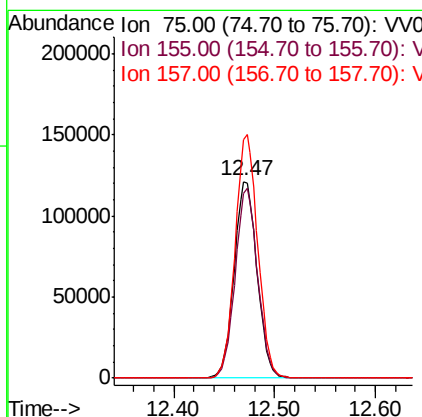
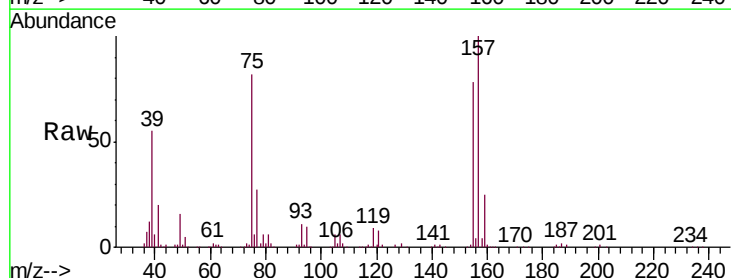
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

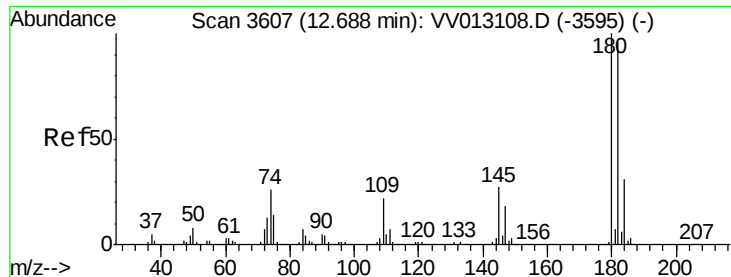
Tgt Ion:146 Resp: 1233043
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.2 48.2
 148 65.0 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 113.844 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

Tgt Ion: 75 Resp: 192090
 Ion Ratio Lower Upper
 75 100
 155 94.3 74.6 111.8
 157 121.3 94.2 141.4

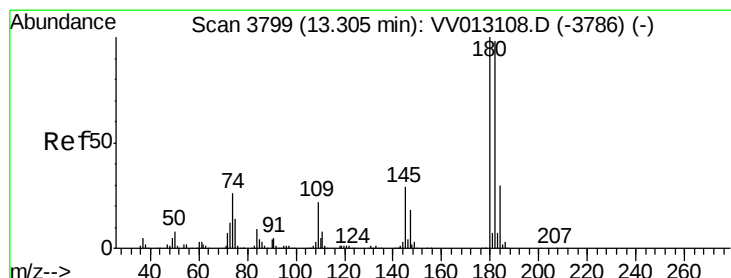
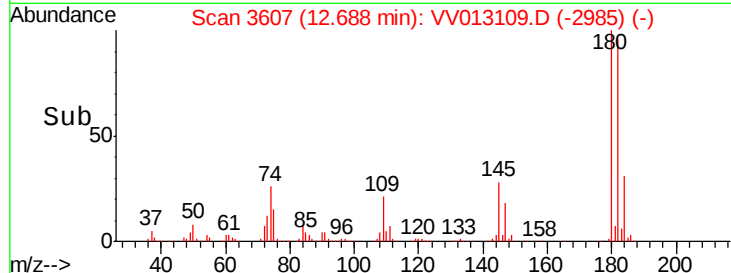
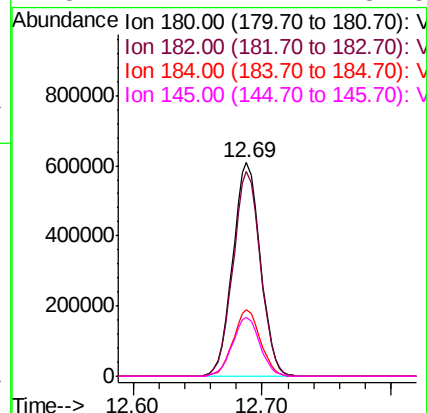
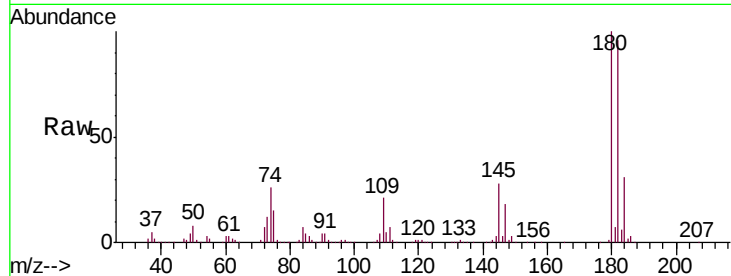




#67
 1,3,5-Trichlorobenzene
 Concen: 105.448 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

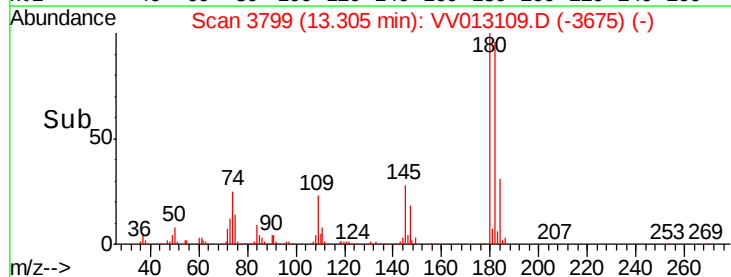
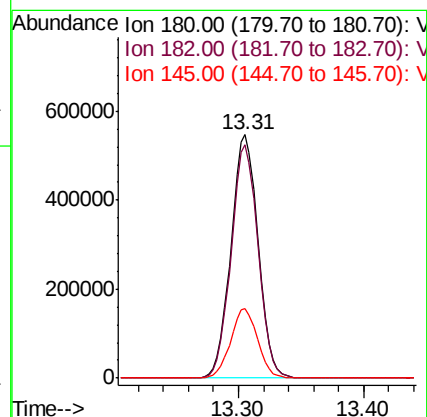
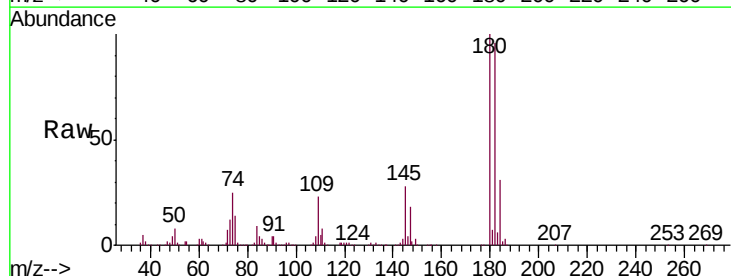
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

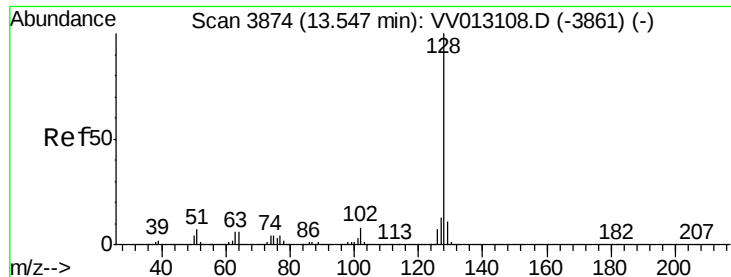
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.7	115.1
184	30.5	24.3	36.5
145	27.4	21.7	32.5



#68
 1,2,4-trichlorobenzene
 Concen: 112.487 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013109.D
 Acq: 11 Oct 2019 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.0
145	28.3	22.7	34.1





#69

Naphthalene

Concen: 118.566 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

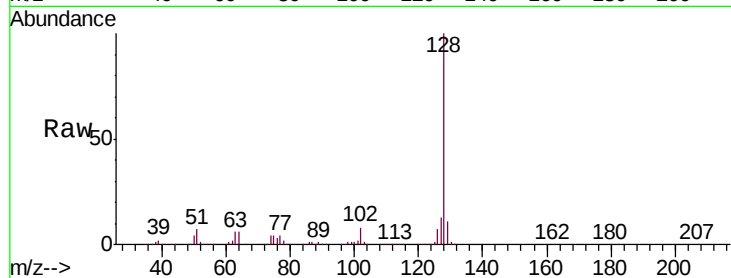
Tgt Ion:128 Resp: 2476049

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

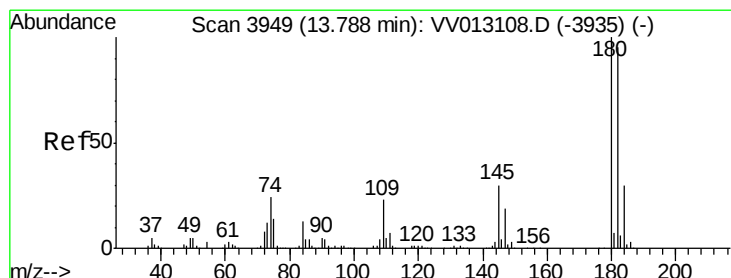
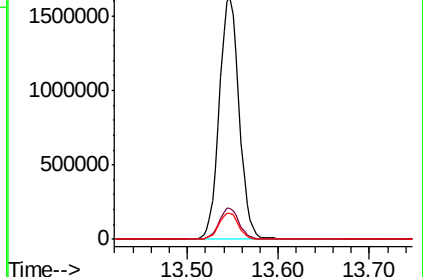
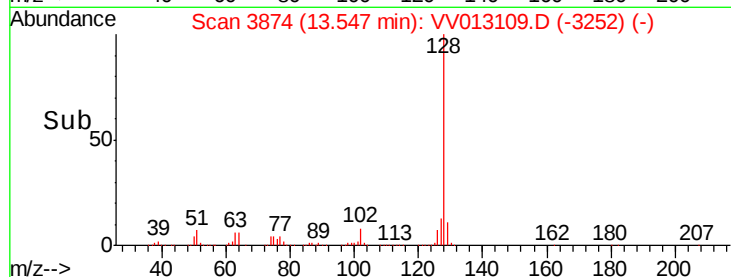
129 10.9 8.6 13.0



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: 108.764 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013109.D

Acq: 11 Oct 2019 18:18

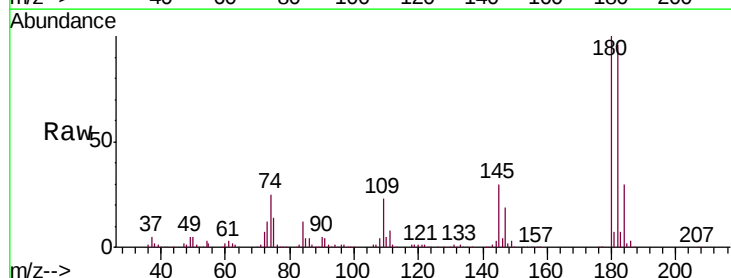
Tgt Ion:180 Resp: 853393

Ion Ratio Lower Upper

180 100

182 96.2 76.9 115.3

145 30.3 23.8 35.8



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

