

Data File : VV008907.D
Acq On : 13 Dec 2018 13:40
Operator : SY/MD
Sample : VSTD20074
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD20074

Quant Time: Dec 14 00:25:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 00:21:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	223660	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	208143	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	112516	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	263976	172.35	ug/L	0.00
7) Chloroethane-d5	1.56	69	149980	174.77	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	629297	235.19	ug/L	0.00
21) 2-Butanone-d5	3.93	46	362504	301.31	ug/L	0.00
24) Chloroform-d	4.40	84	571167	182.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	359414	179.85	ug/L	0.00
32) Benzene-d6	5.10	84	1124648	178.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	334996	170.96	ug/L	0.00
41) Toluene-d8	7.36	98	1081452	189.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	187310	207.33	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	297125	345.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	471057	176.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	456452	187.03	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	312809	177.245	ug/L	100
3) Chloromethane	1.25	50	253696	150.460	ug/L	97
5) Vinyl chloride	1.32	62	275610	166.891	ug/L	99
6) Bromomethane	1.52	94	126594	209.174	ug/L	99
8) Chloroethane	1.58	64	145887	181.735	ug/L	97
9) Trichlorofluoromethane	1.76	101	500400	220.520	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	308469	234.365	ug/L	100
12) 1,1-Dichloroethene	2.14	96	279429	236.440	ug/L	94
13) Acetone	2.19	43	504246	399.110	ug/L	98
14) Carbon disulfide	2.32	76	763179	175.892	ug/L	100
15) Methyl Acetate	2.46	43	277127	146.338	ug/L	100
16) Methylene chloride	2.53	84	299760	173.923	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	285761	184.296	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	937737	182.692	ug/L	99
19) 1,1-Dichloroethane	3.23	63	507282	173.089	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	326447	183.069	ug/L	98
22) 2-Butanone	4.02	43	455371	299.003	ug/L	99
23) Bromochloromethane	4.30	128	171573	196.278	ug/L	97
25) Chloroform	4.43	83	550029	177.175	ug/L	97
27) 1,2-Dichloroethane	5.18	62	431979	180.418	ug/L	100
29) Cyclohexane	4.73	56	453546	168.041	ug/L	96
30) 1,1,1-Trichloroethane	4.66	97	521673	202.451	ug/L	99
31) Carbon tetrachloride	4.88	117	477446	219.568	ug/L	99
33) Benzene	5.15	78	1146243	174.998	ug/L	100
34) Trichloroethene	5.96	95	326956	186.810	ug/L	99
35) Methylcyclohexane	6.18	83	525862	184.128	ug/L	99
37) 1,2-Dichloropropane	6.22	63	295501	168.115	ug/L	99
38) Bromodichloromethane	6.56	83	424732	197.450	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	508659	200.623	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	727078	304.122	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1257463	184.210	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	483095	207.826	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	300427	183.765	ug/L	99
46) Tetrachloroethene	8.02	164	271286	210.051	ug/L	98
48) 2-Hexanone	8.19	43	606151	319.690	ug/L	97
49) Dibromochloromethane	8.29	129	381027	227.906	ug/L	99
50) 1,2-Dibromoethane	8.40	107	330490	192.724	ug/L	100
51) Chlorobenzene	8.93	112	848364	192.932	ug/L	100
52) Ethylbenzene	9.06	91	1428822	190.734	ug/L	99
53) m,p-Xylene	9.18	106	549596	198.562	ug/L	98
54) o-xylene	9.59	106	534769	193.846	ug/L	98
55) Styrene	9.60	104	920072	200.431	ug/L	98
56) Isopropylbenzene	9.98	105	1439154	198.337	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	474855	175.405	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	378791	171.009	ug/L	100
61) Bromoform	9.78	173	291684	227.249	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	720213	191.252	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	730288	190.763	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	722908	185.727	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	107228	175.612	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	531549	205.279	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	442499	230.782	ug/L	100
69) Naphthalene	13.55	128	1090068	207.722	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	430895	218.359	ug/L	99

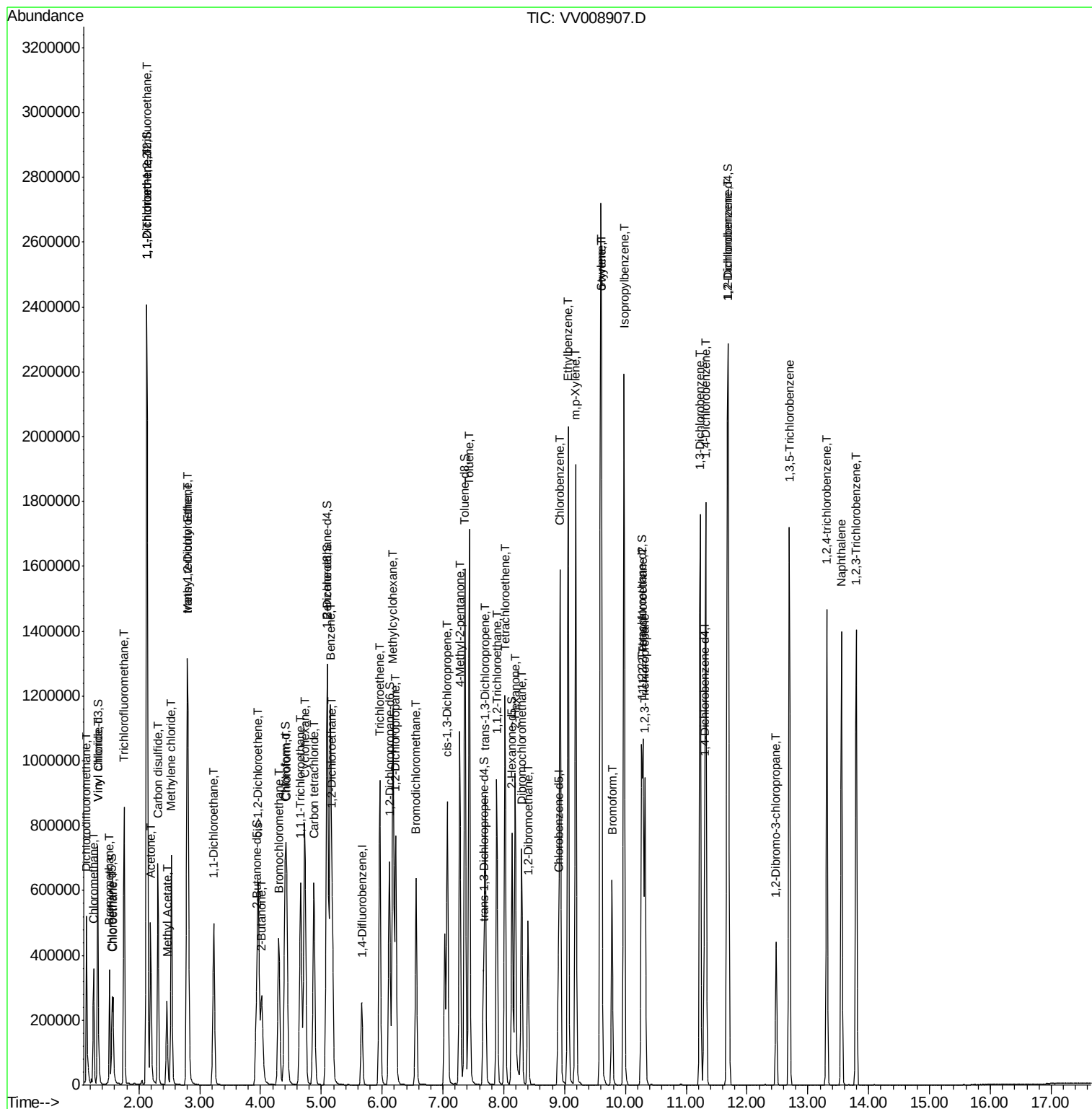
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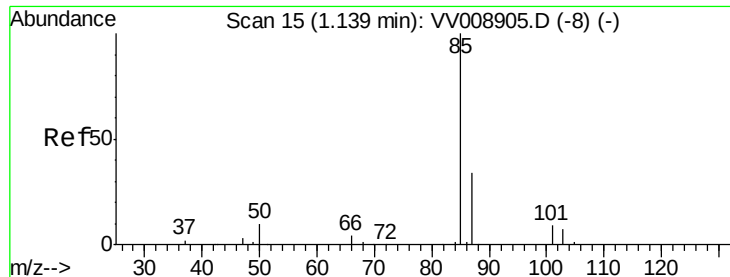
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#2

Dichlorodifluoromethane

Concen: 177.245 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

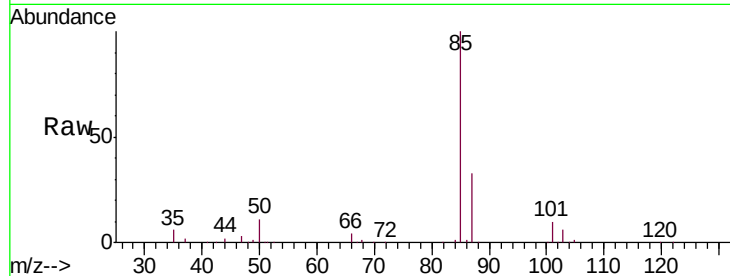
VSTD20074

Tgt Ion: 85 Resp: 312809

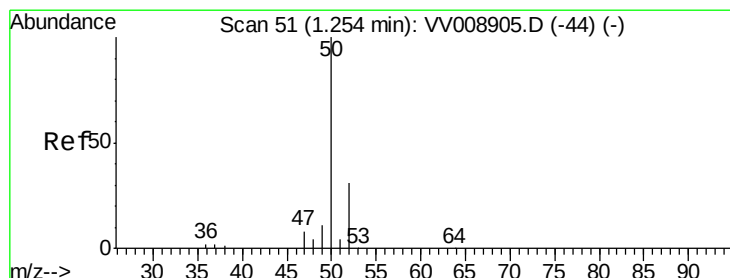
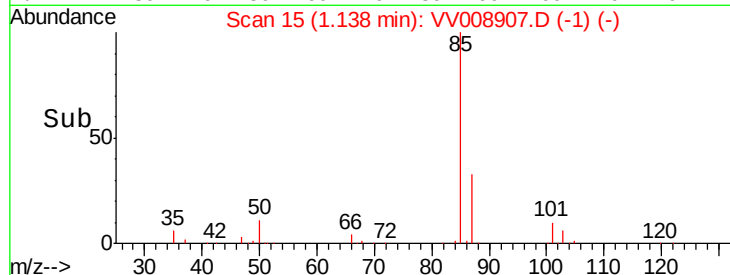
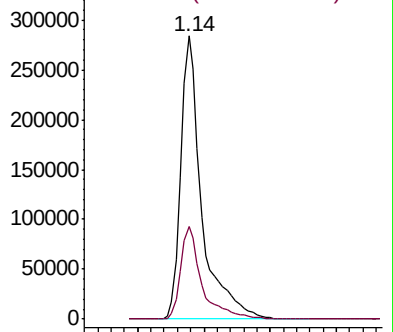
Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV008907.D (-8) (-)



#3

Chloromethane

Concen: 150.460 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008907.D

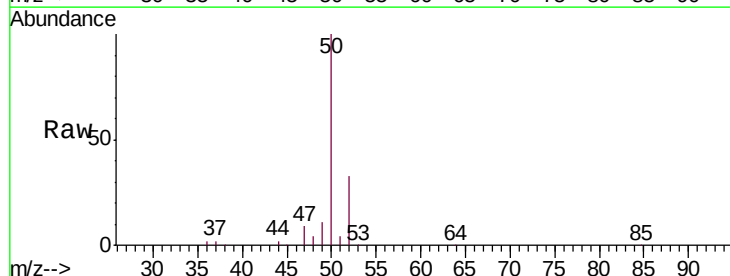
Acq: 13 Dec 2018 13:40

Tgt Ion: 50 Resp: 253696

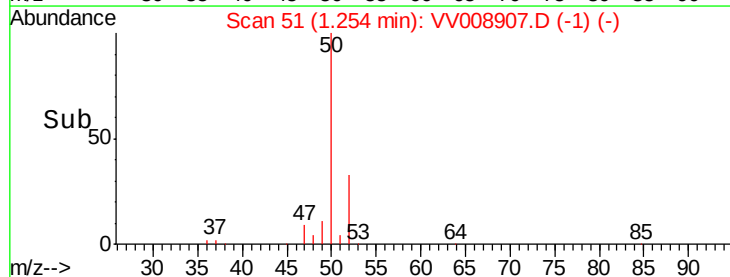
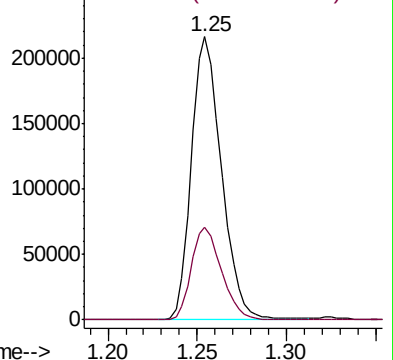
Ion Ratio Lower Upper

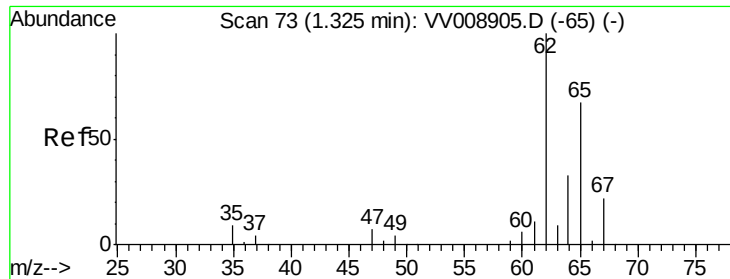
50 100

52 32.9 21.9 40.7



Abundance Ion 50.00 (49.70 to 50.70): VV008907.D (-44) (-)





#5

Vinyl chloride

Concen: 166.891 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

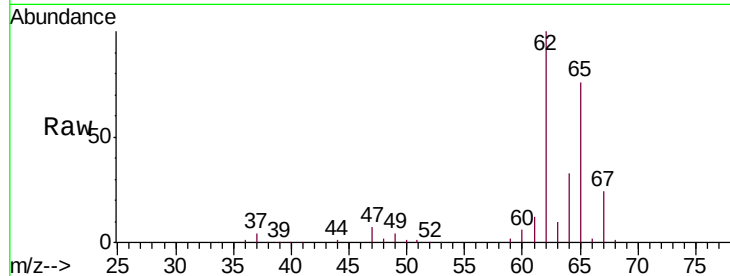
VSTD20074

Tgt Ion: 62 Resp: 275610

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV008905.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV008905.D (-65) (-)

1.32

250000

200000

150000

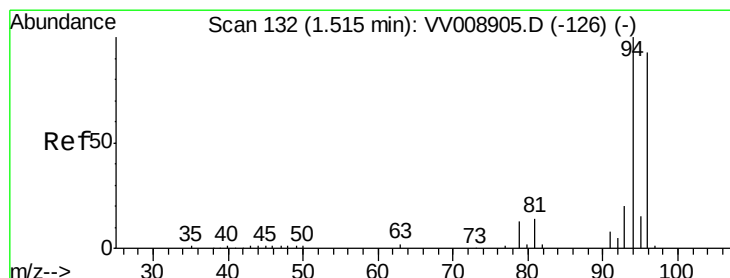
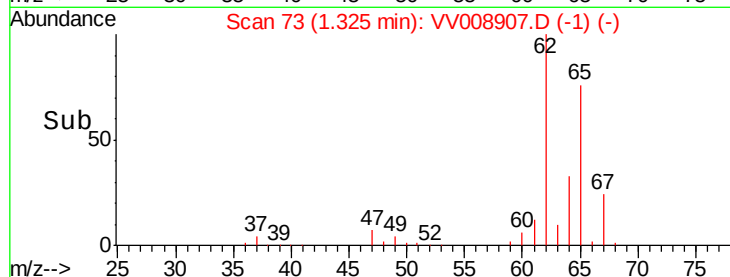
100000

50000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 209.174 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008907.D

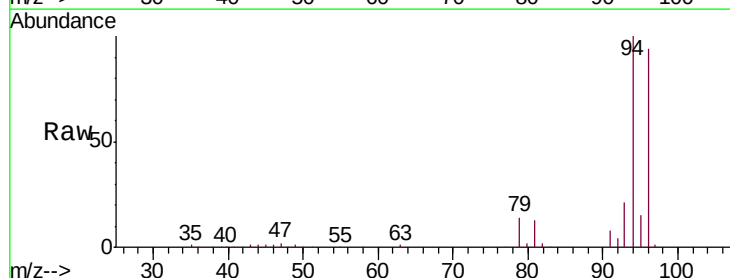
Acq: 13 Dec 2018 13:40

Tgt Ion: 94 Resp: 126594

Ion Ratio Lower Upper

94 100

96 94.2 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV008905.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008905.D (-126) (-)

1.52

150000

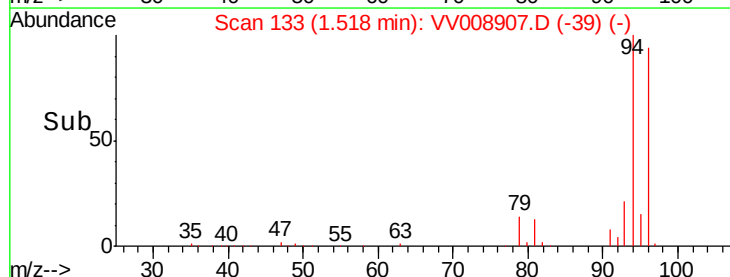
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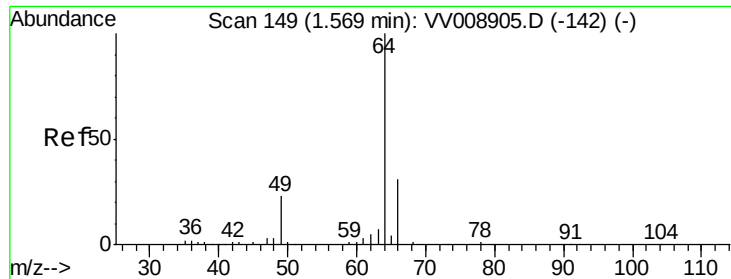
50000

0

Time-->

1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 181.735 ug/L

RT: 1.58 min Scan# 151

Delta R.T. 0.01 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

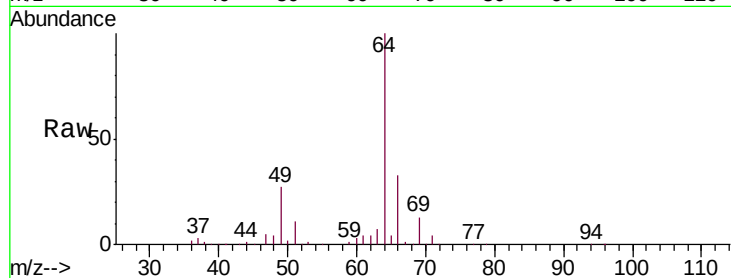
VSTD20074

Tgt Ion: 64 Resp: 145887

Ion Ratio Lower Upper

64 100

66 32.8 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV008907.D (-142) (-)

Ion 66.00 (65.70 to 66.70): VV008907.D (-142) (-)

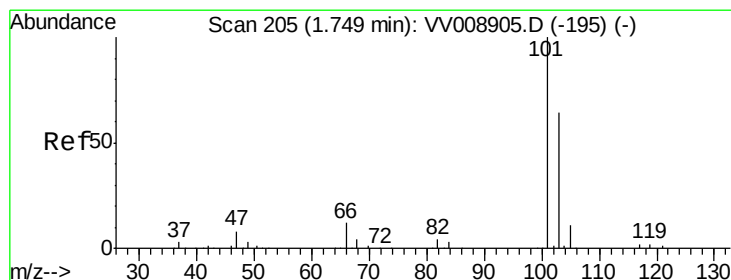
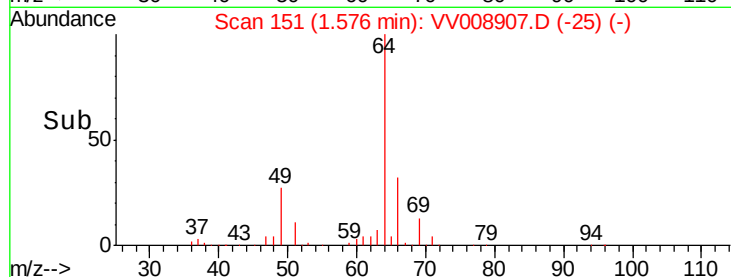
1.58

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 220.520 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.01 min

Lab File: VV008907.D

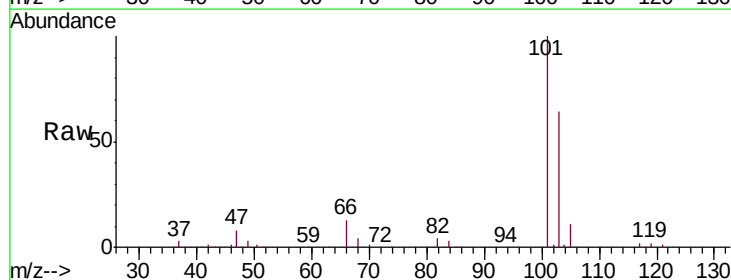
Acq: 13 Dec 2018 13:40

Tgt Ion: 101 Resp: 500400

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008907.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV008907.D (-195) (-)

1.76

400000

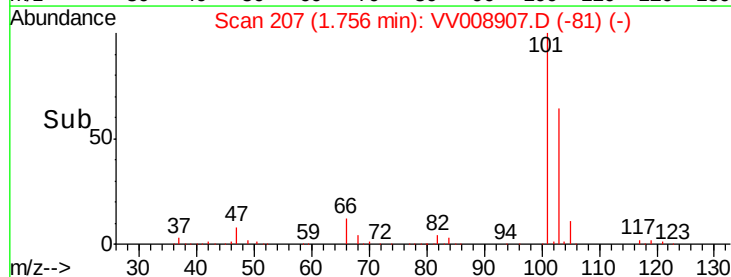
300000

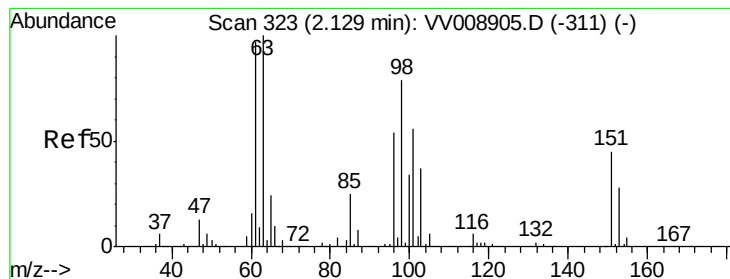
200000

100000

0

Time-->





#10

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

Concen: 234.365 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD20074

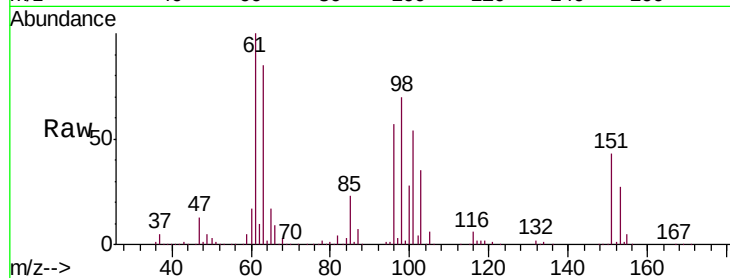
Tgt Ion: 101 Resp: 308469

Ion Ratio Lower Upper

101 100

85 43.2 34.6 52.0

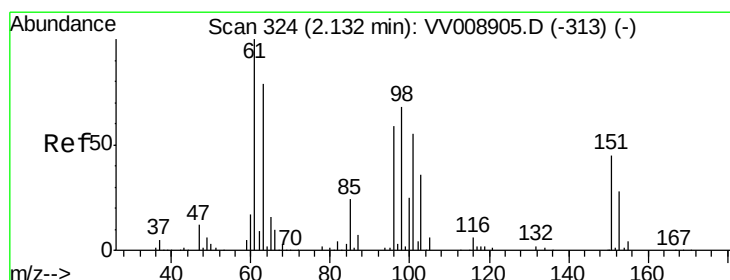
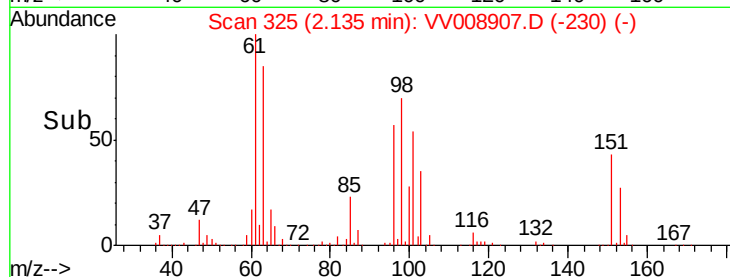
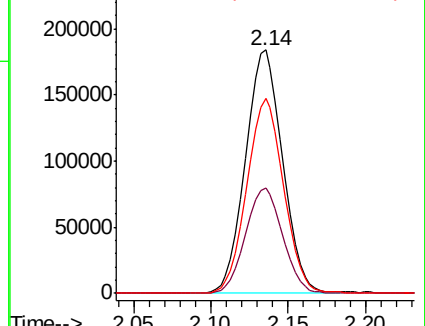
151 79.4 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV008907.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV008907.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV008907.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 236.440 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

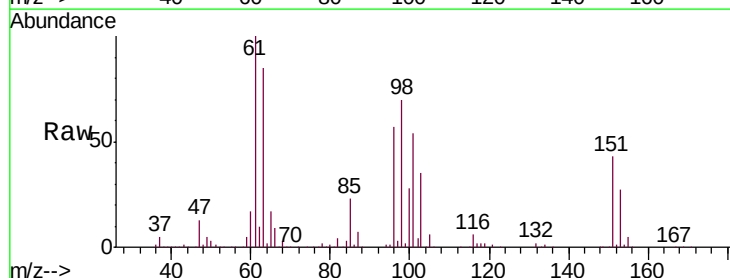
Tgt Ion: 96 Resp: 279429

Ion Ratio Lower Upper

96 100

61 175.1 119.1 221.3

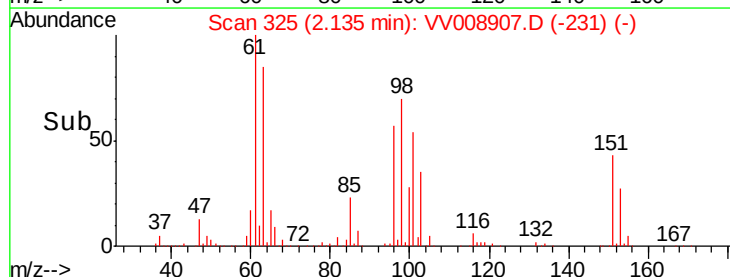
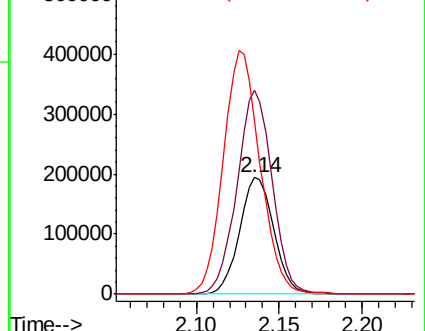
63 148.7 96.0 178.2

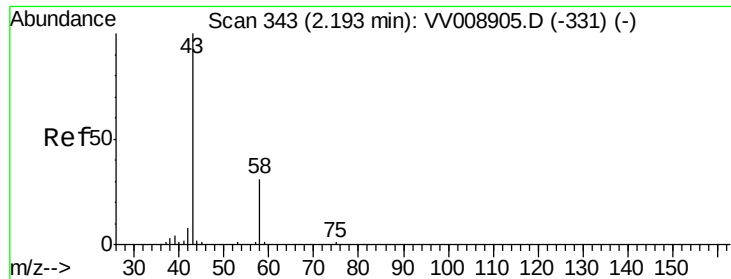


Abundance Ion 96.00 (95.70 to 96.70): VV008907.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV008907.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV008907.D (-231) (-)





#13

Acetone

Concen: 399.110 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

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Acq: 13 Dec 2018 13:40

Instrument :

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ClientSampleId :

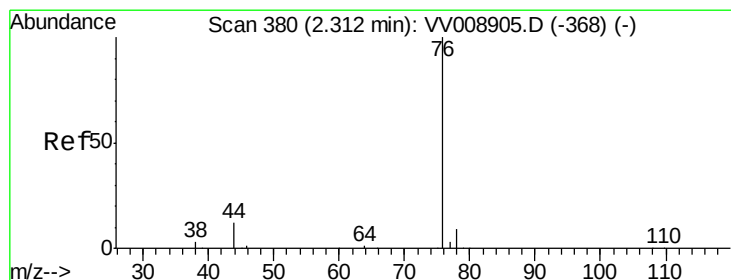
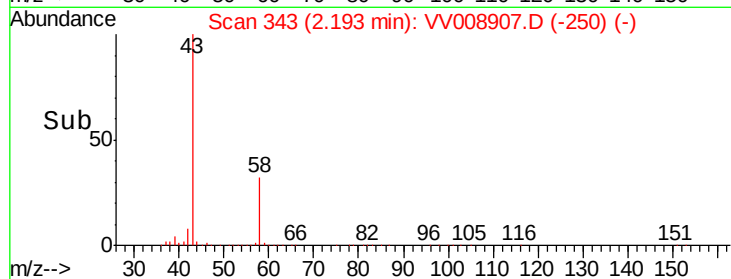
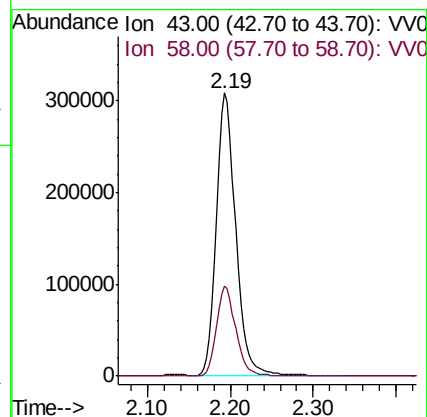
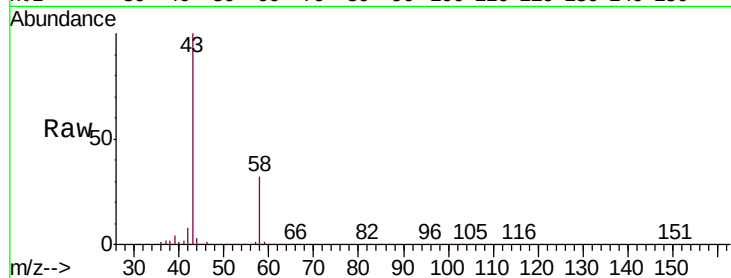
VSTD20074

Tgt Ion: 43 Resp: 504246

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.8



#14

Carbon disulfide

Concen: 175.892 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008907.D

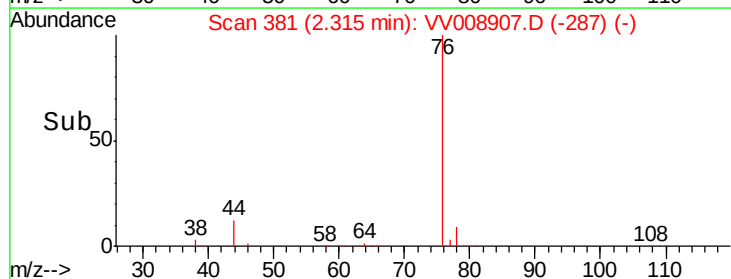
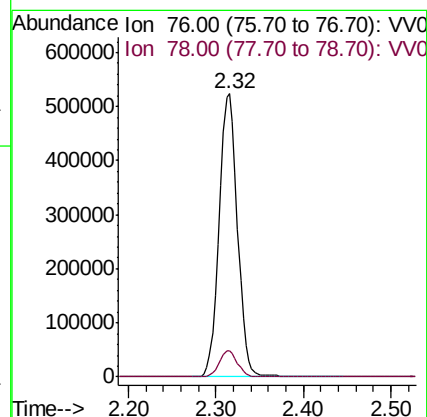
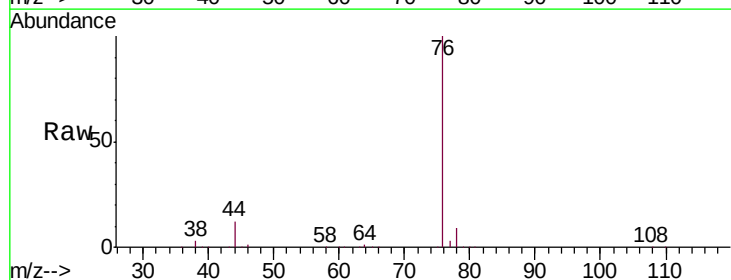
Acq: 13 Dec 2018 13:40

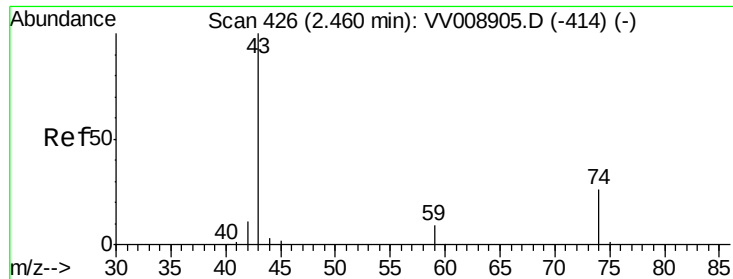
Tgt Ion: 76 Resp: 763179

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 146.338 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

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ClientSampleId :

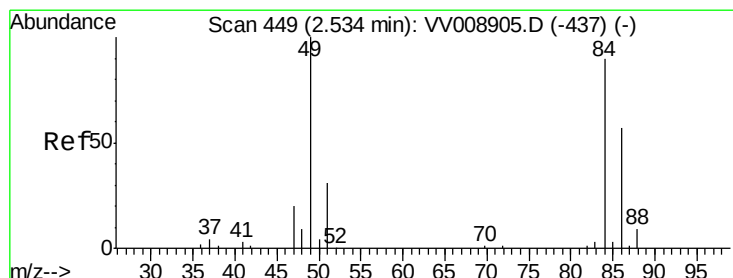
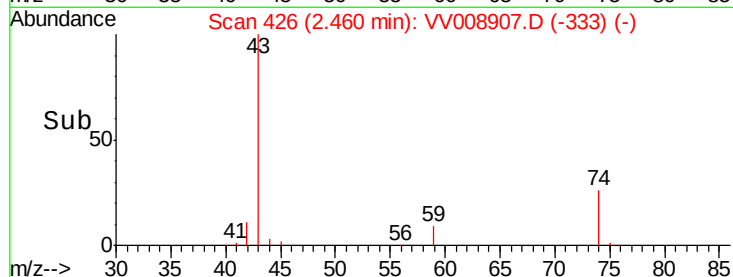
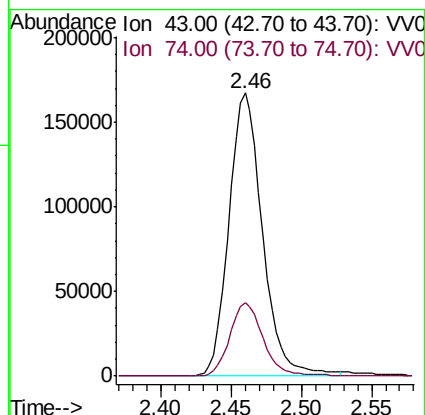
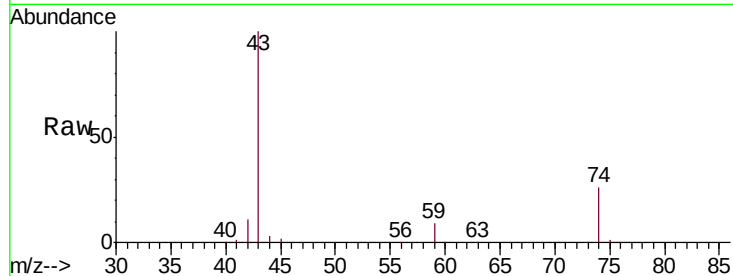
VSTD20074

Tgt Ion: 43 Resp: 277127

Ion Ratio Lower Upper

43 100

74 26.2 21.0 31.6



#16

Methylene chloride

Concen: 173.923 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

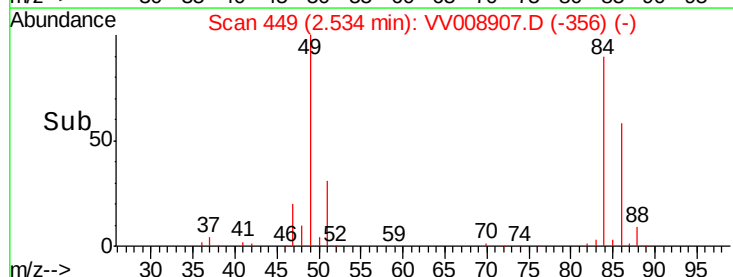
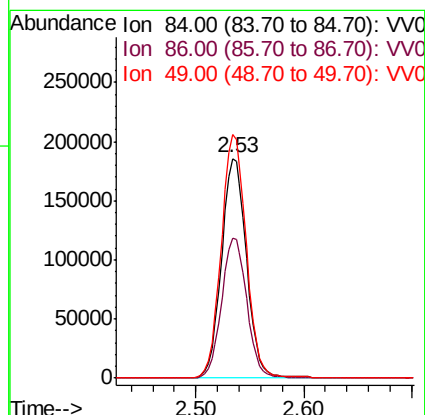
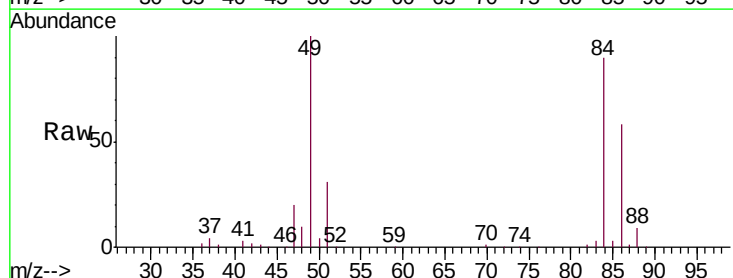
Tgt Ion: 84 Resp: 299760

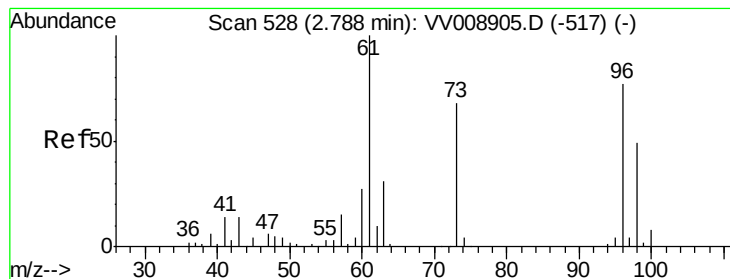
Ion Ratio Lower Upper

84 100

86 63.7 44.2 82.0

49 110.9 77.4 143.8





#17

trans-1,2-Dichloroethene

Concen: 184.296 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampled :

VSTD20074

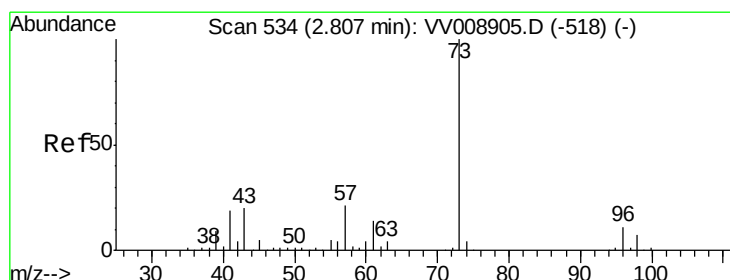
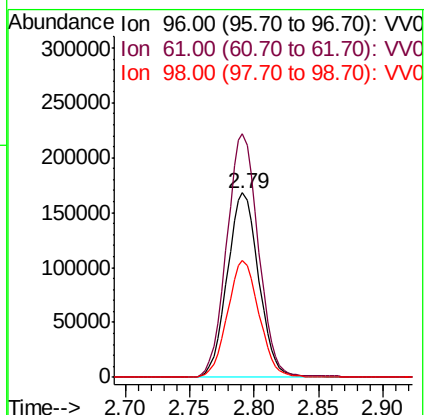
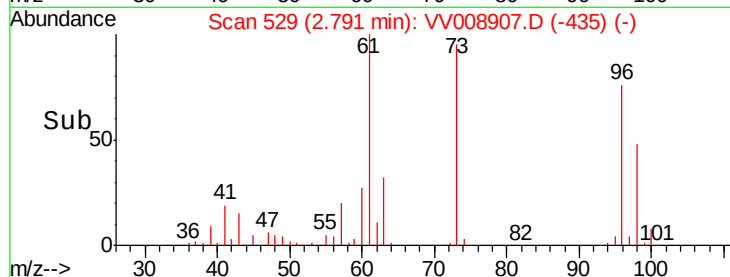
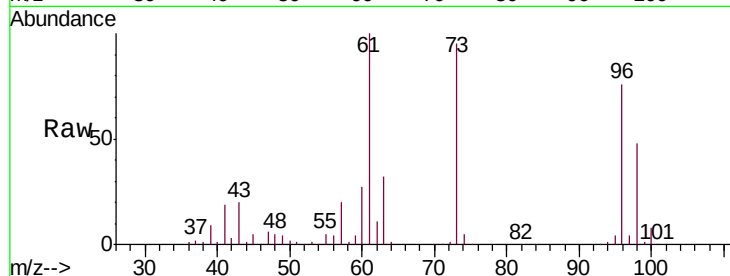
Tgt Ion: 96 Resp: 285761

Ion Ratio Lower Upper

96 100

61 131.9 90.8 168.6

98 63.5 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 182.692 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

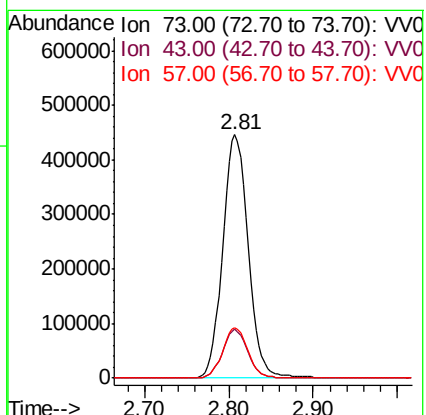
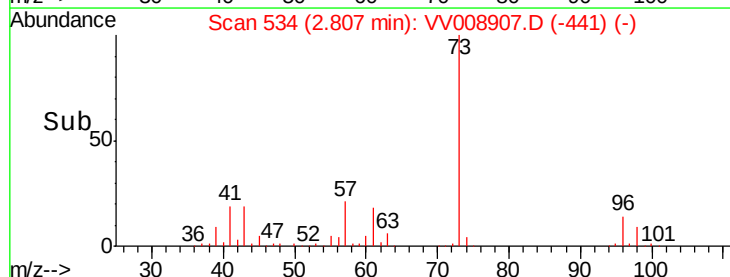
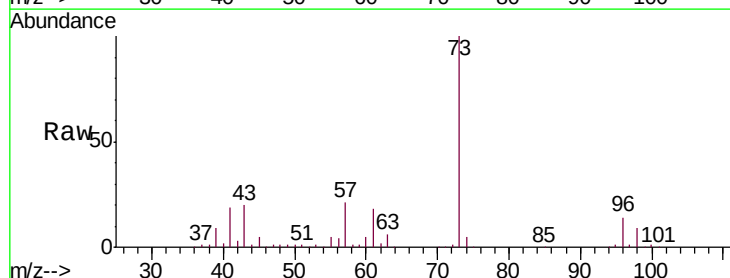
Tgt Ion: 73 Resp: 937737

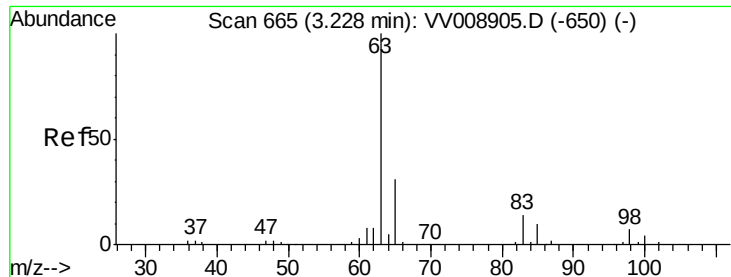
Ion Ratio Lower Upper

73 100

43 19.7 15.4 23.2

57 20.5 16.9 25.3

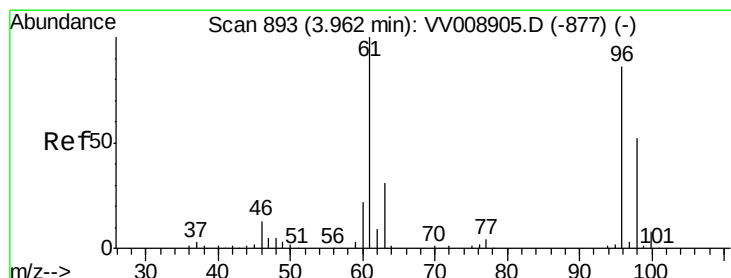
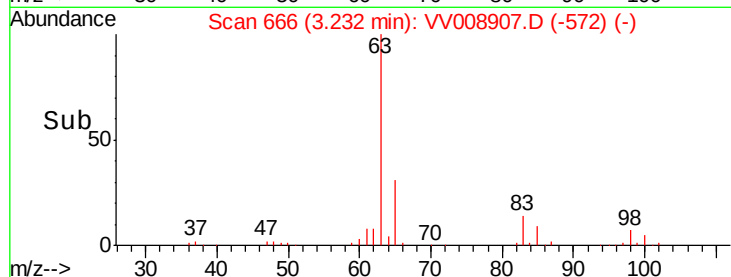
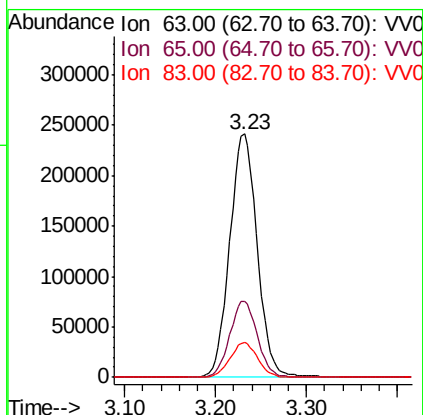
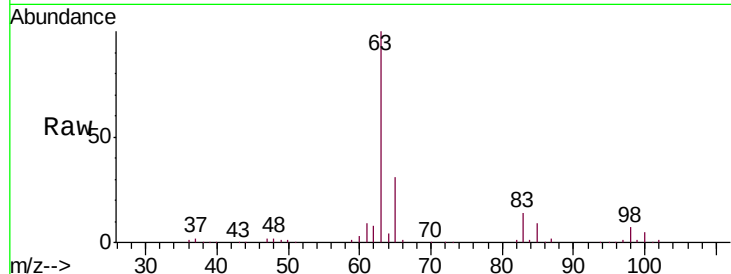




#19
 1,1-Dichloroethane
 Concen: 173.089 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

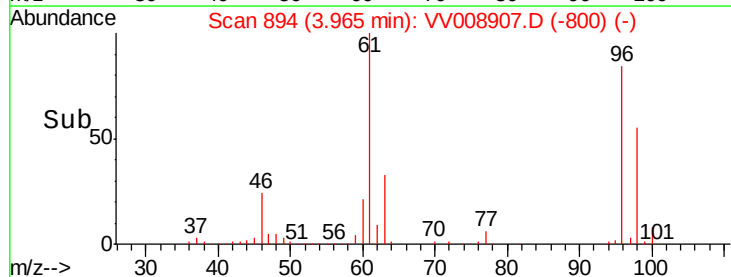
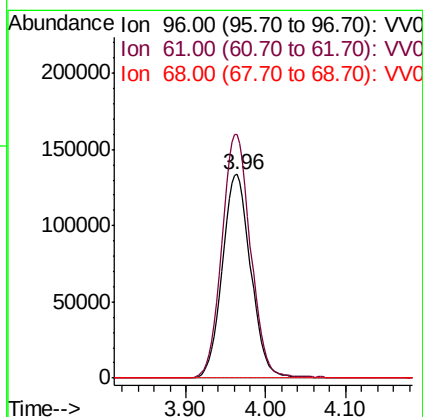
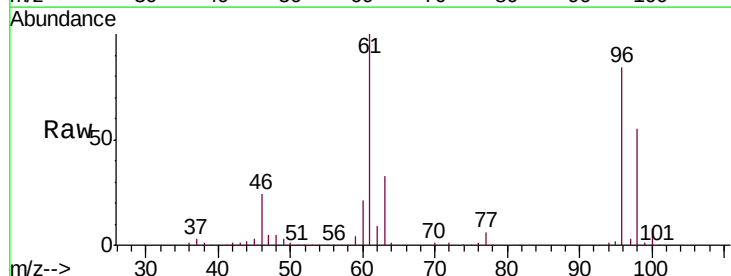
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20074

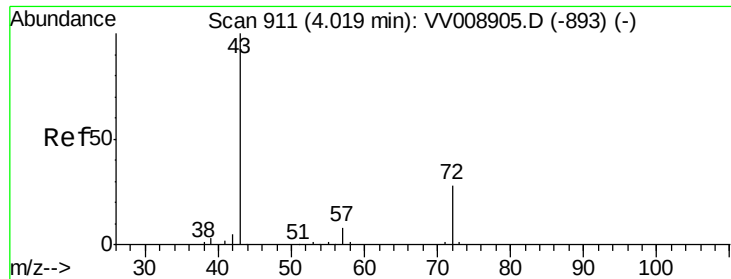
Tgt Ion: 63 Resp: 507282
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.8 40.6
 83 14.2 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 183.069 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

Tgt Ion: 96 Resp: 326447
 Ion Ratio Lower Upper
 96 100
 61 119.5 81.9 152.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 299.003 ug/L

RT: 4.02 min Scan# 911

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

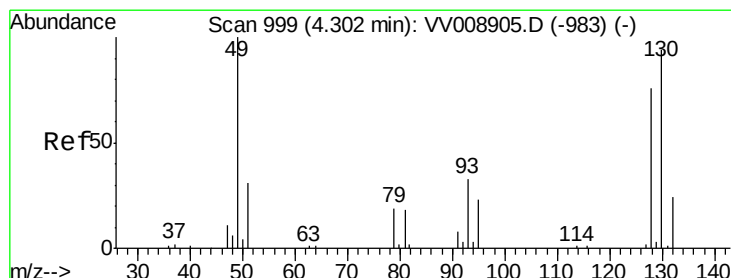
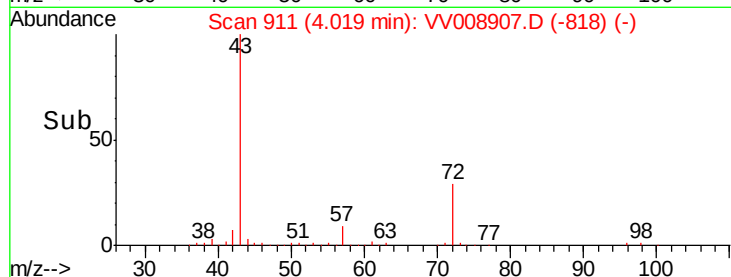
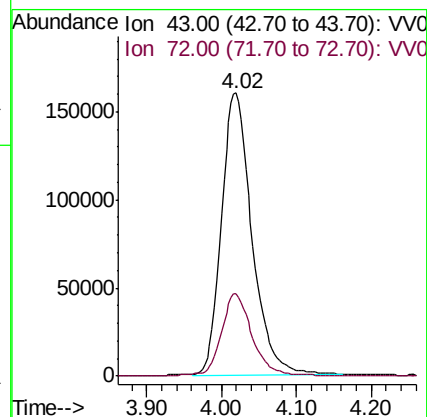
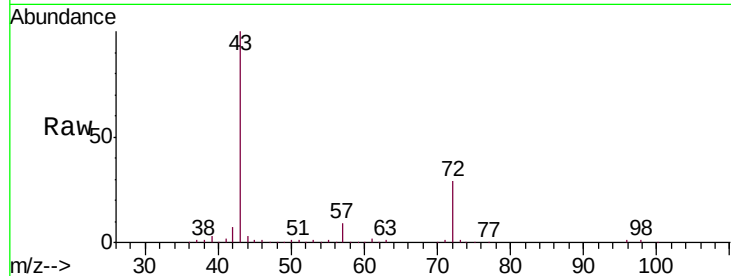
Instrument :
MSVOA_V
ClientSampled :
VSTD20074

Tgt Ion: 43 Resp: 455371

Ion Ratio Lower Upper

43 100

72 29.3 14.9 44.5



#23

Bromochloromethane

Concen: 196.278 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Tgt Ion: 128 Resp: 171573

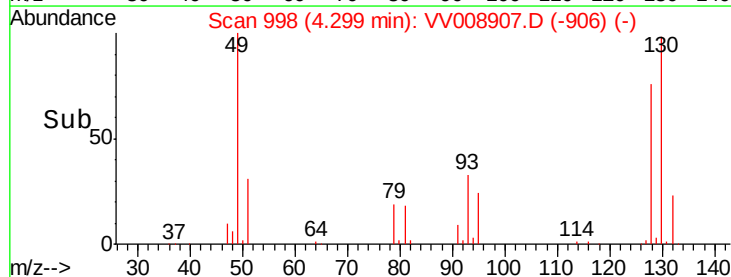
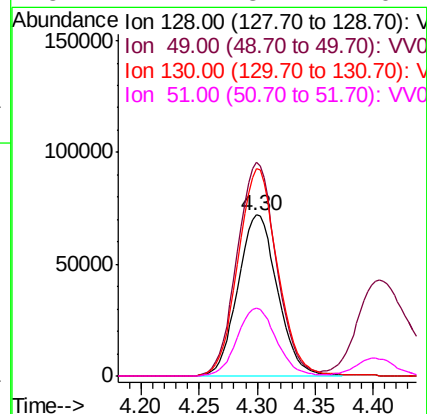
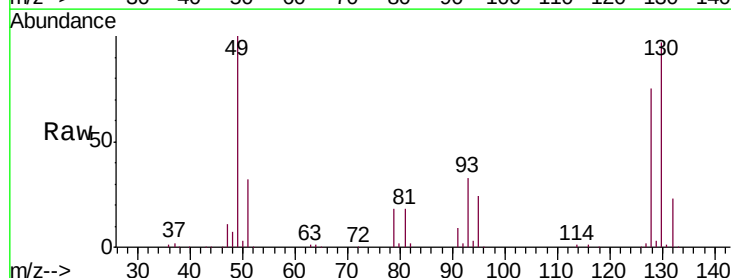
Ion Ratio Lower Upper

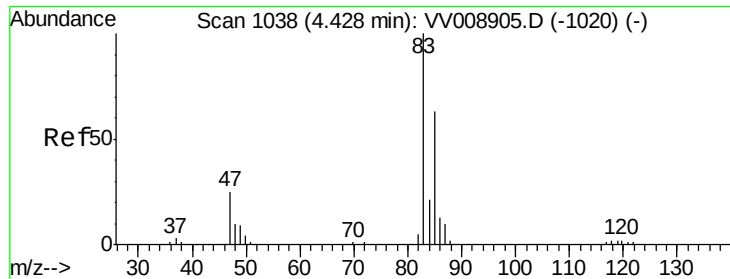
128 100

49 132.6 91.6 170.0

130 128.5 86.2 160.0

51 42.1 32.7 49.1

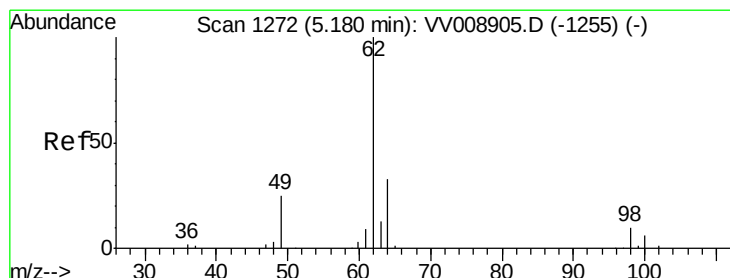
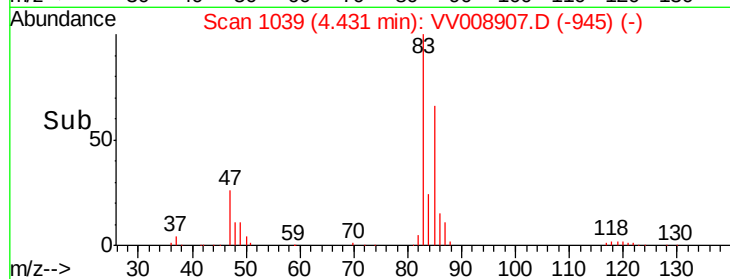
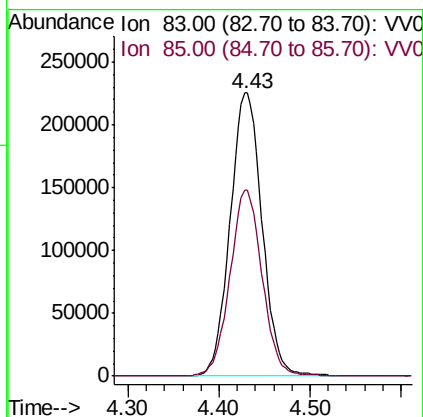
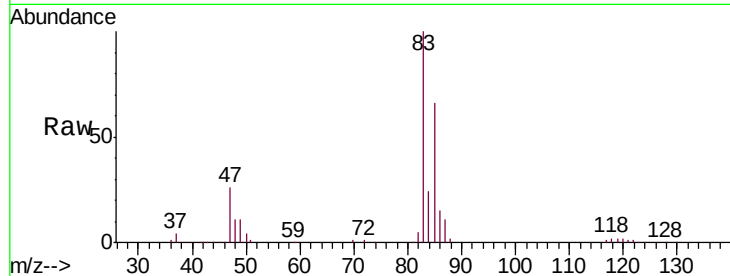




#25
Chloroform
Concen: 177.175 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

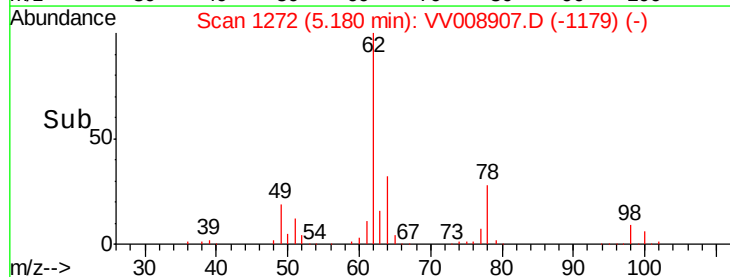
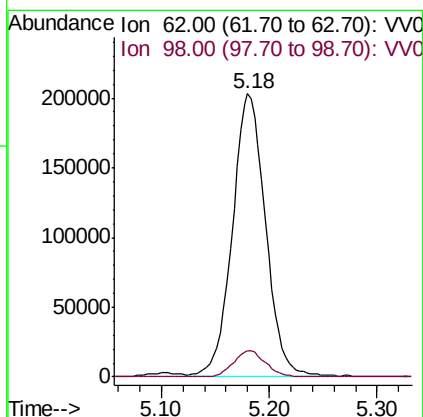
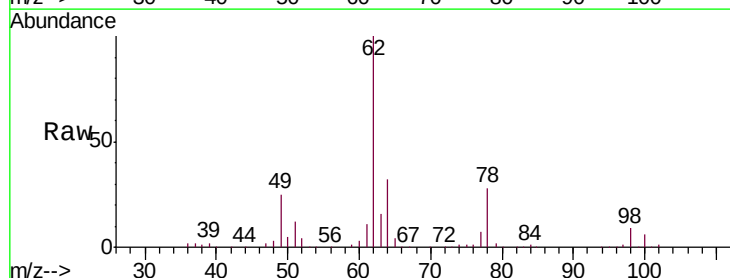
Instrument :
MSVOA_V
ClientSampleId :
VSTD20074

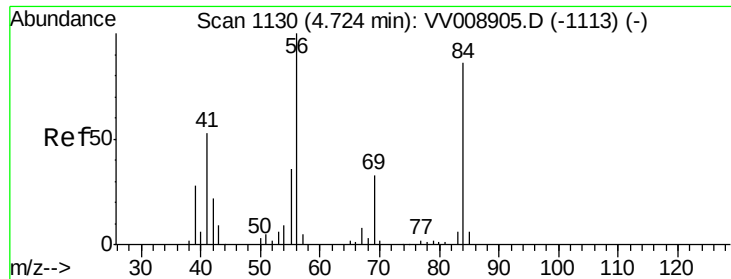
Tgt Ion: 83 Resp: 550029
Ion Ratio Lower Upper
83 100
85 65.8 44.3 82.3



#27
1,2-Dichloroethane
Concen: 180.418 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Tgt Ion: 62 Resp: 431979
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

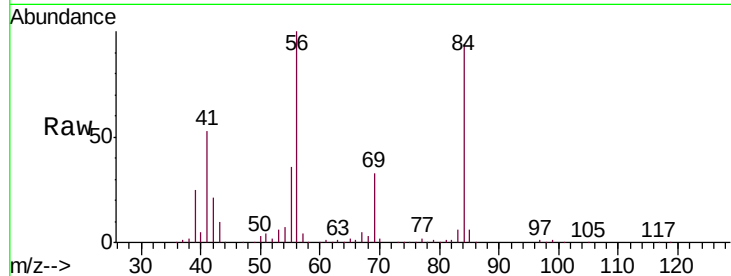




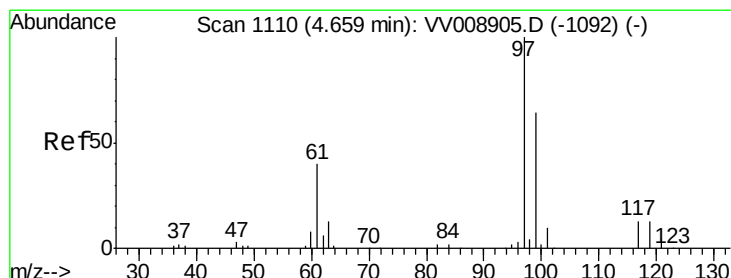
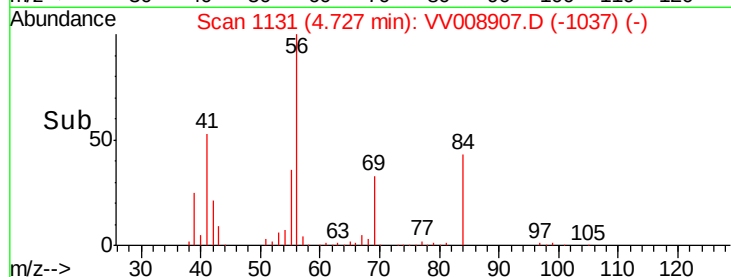
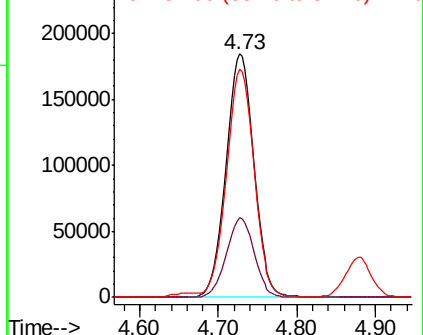
#29
Cyclohexane
Concen: 168.041 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD20074

Tgt Ion: 56 Resp: 453546
Ion Ratio Lower Upper
56 100
69 32.5 26.0 39.0
84 93.2 70.9 106.3

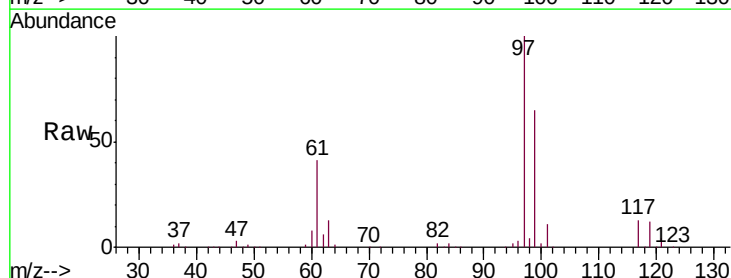


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

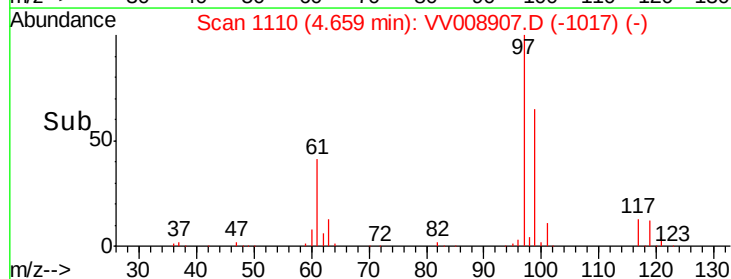
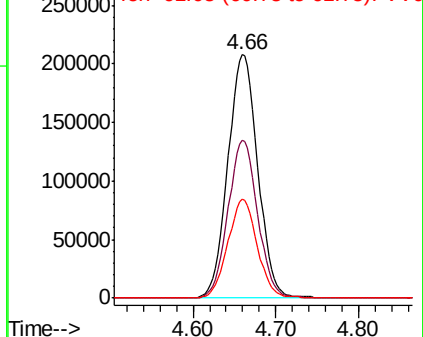


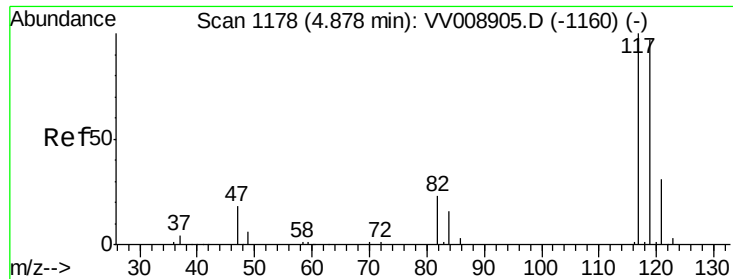
#30
1,1,1-Trichloroethane
Concen: 202.451 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Tgt Ion: 97 Resp: 521673
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 40.2 32.5 48.7



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: 219.568 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

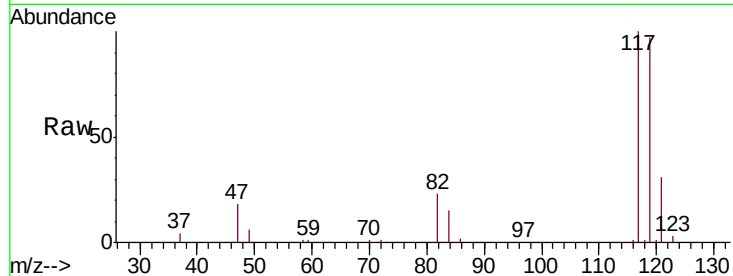
VSTD20074

Tgt Ion:117 Resp: 477446

Ion Ratio Lower Upper

117 100

119 96.6 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.88

200000

150000

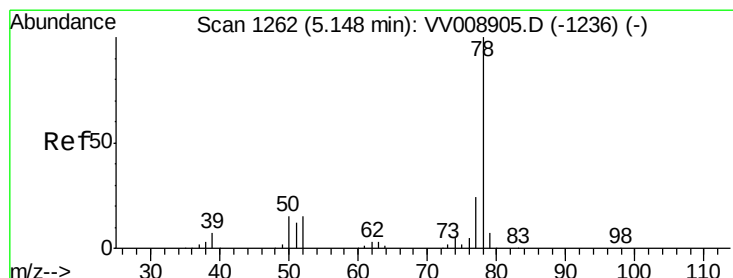
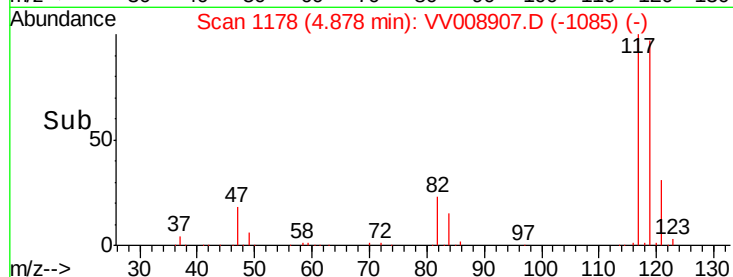
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 174.998 ug/L

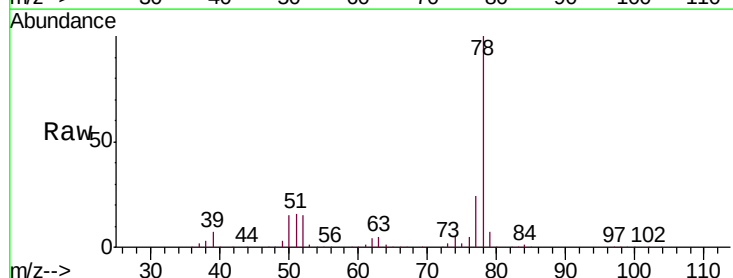
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Tgt Ion: 78 Resp: 1146243



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

600000

500000

400000

300000

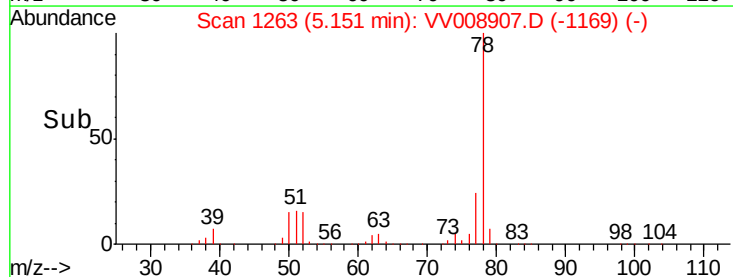
200000

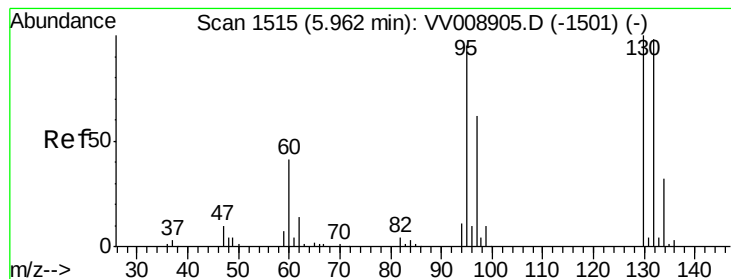
100000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 186.810 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD20074

Tgt Ion: 95 Resp: 326956

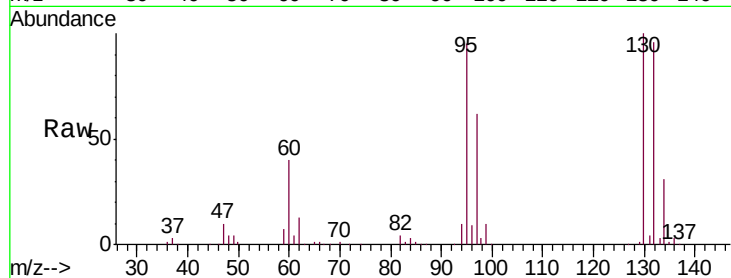
Ion Ratio Lower Upper

95 100

97 65.7 45.7 84.9

132 101.6 72.2 134.2

130 105.2 73.8 137.2

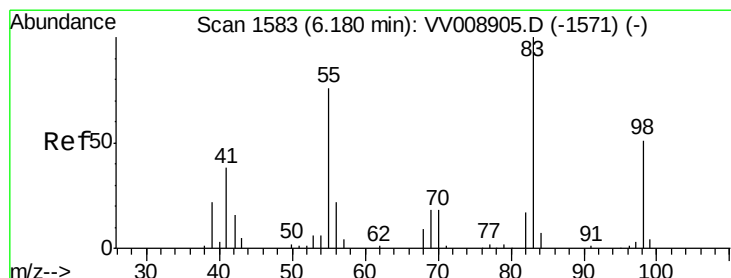
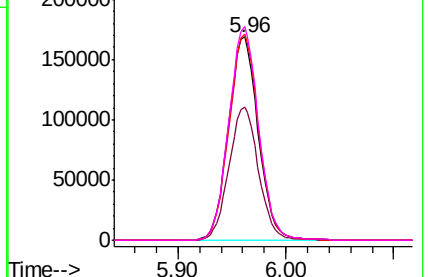
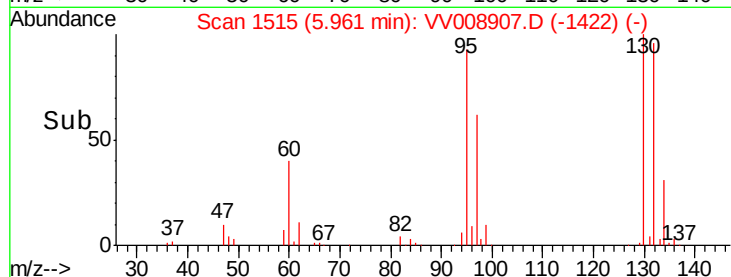


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 184.128 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

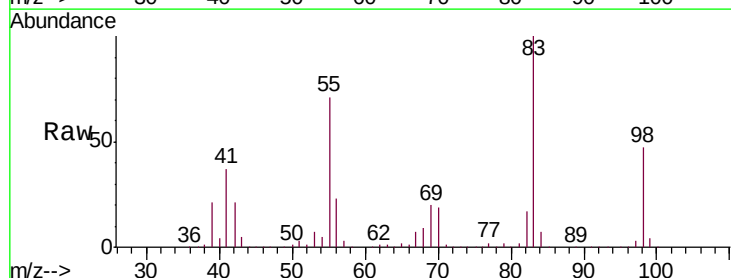
Tgt Ion: 83 Resp: 525862

Ion Ratio Lower Upper

83 100

55 71.1 57.8 86.8

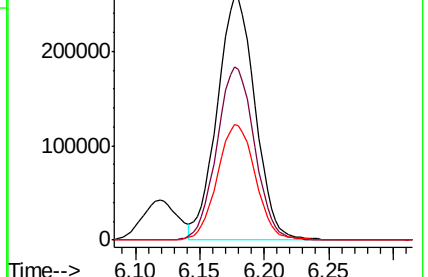
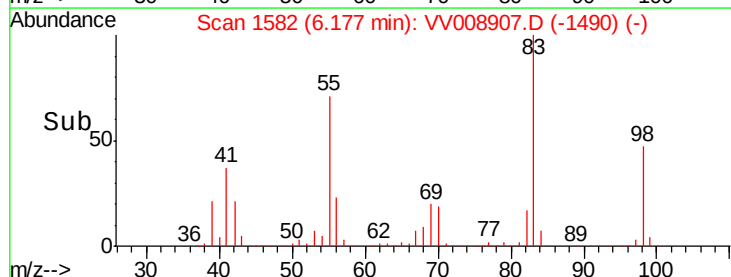
98 47.9 39.0 58.4

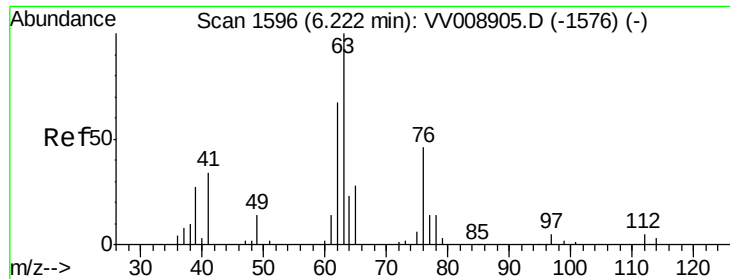


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 168.115 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

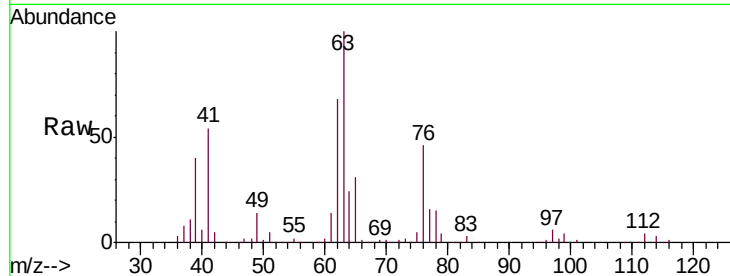
VSTD20074

Tgt Ion: 63 Resp: 295501

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV008907.D (-1503) (-)

Ion 112.00 (111.70 to 112.70): VV008907.D (-1503) (-)

6.22

150000

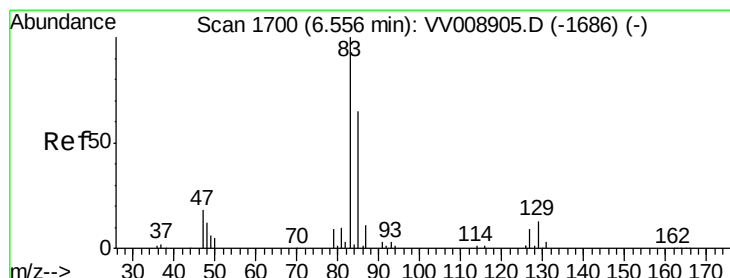
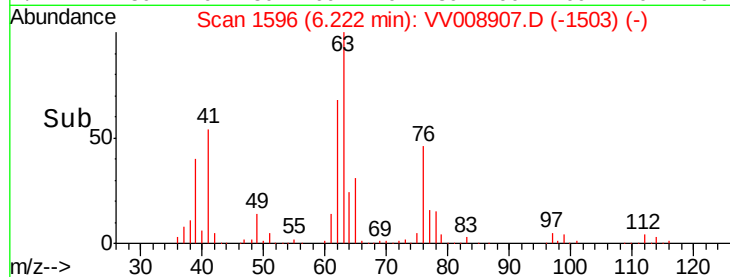
100000

50000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 197.450 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

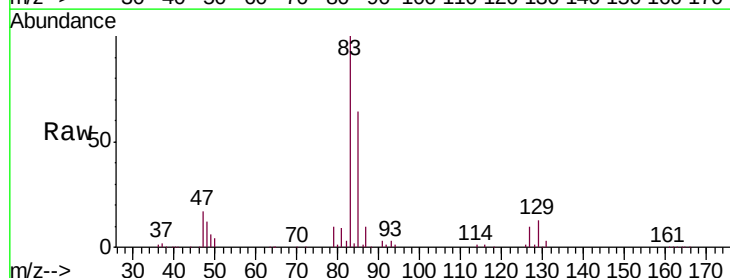
Tgt Ion: 83 Resp: 424732

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.0

127 9.7 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV008907.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VV008907.D (-1607) (-)

Ion 127.00 (126.70 to 127.70): VV008907.D (-1607) (-)

6.56

300000

250000

200000

150000

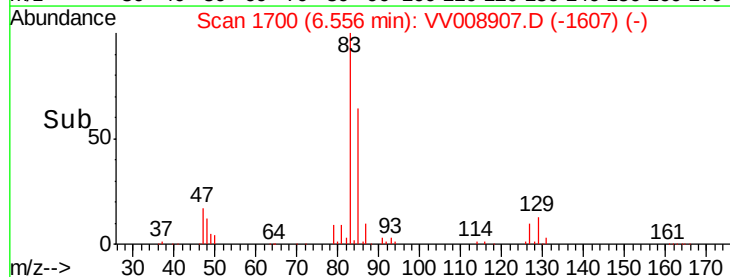
100000

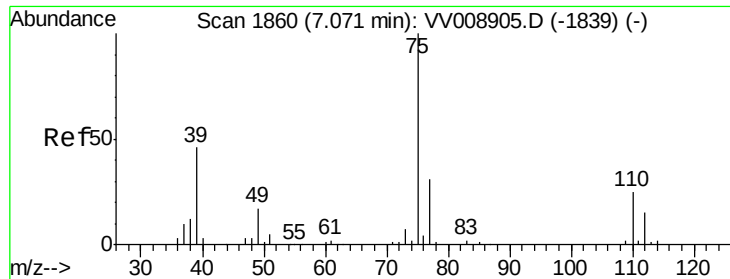
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->

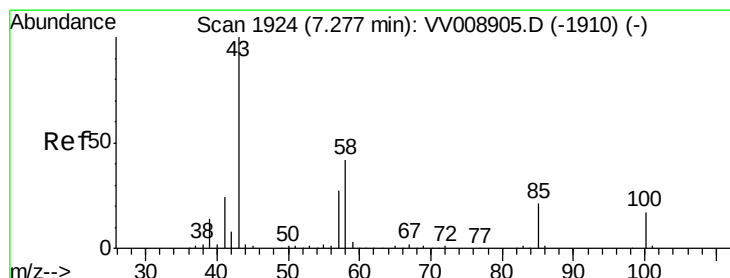
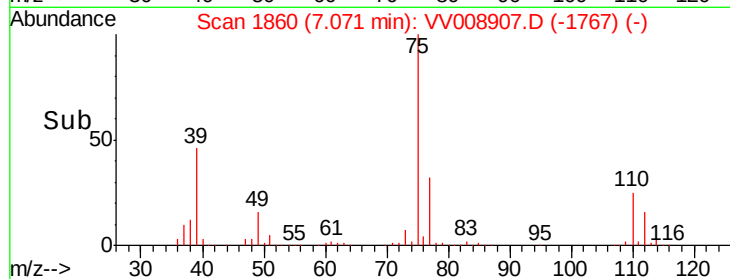
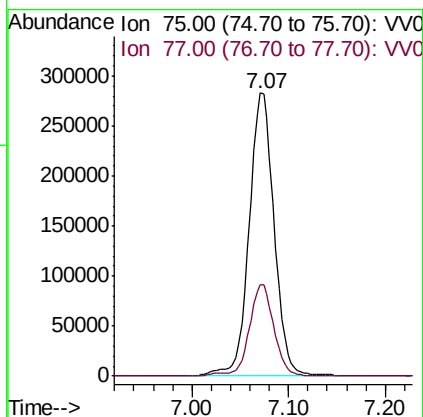
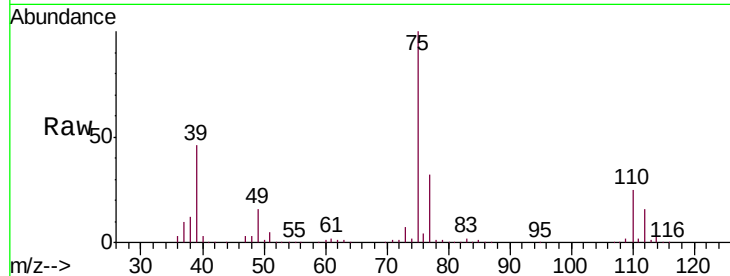




#39
 cis-1,3-Dichloropropene
 Concen: 200.623 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

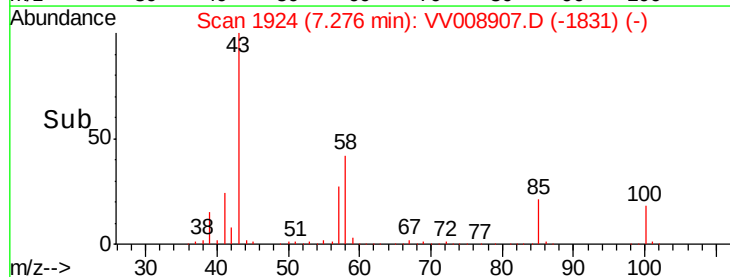
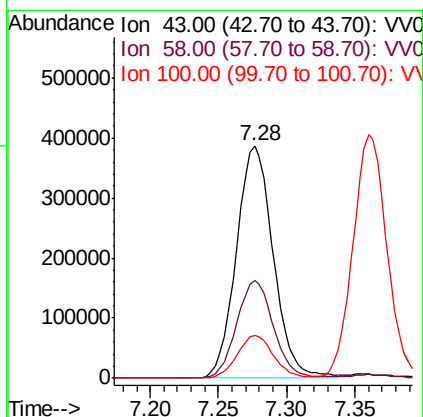
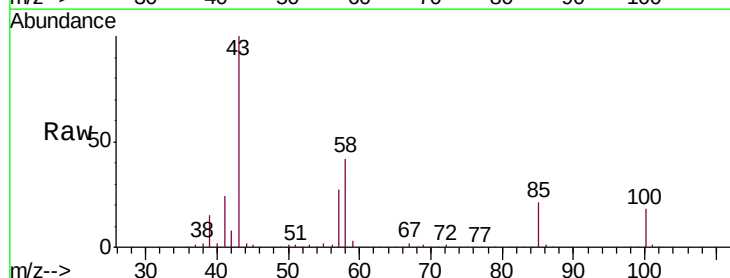
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20074

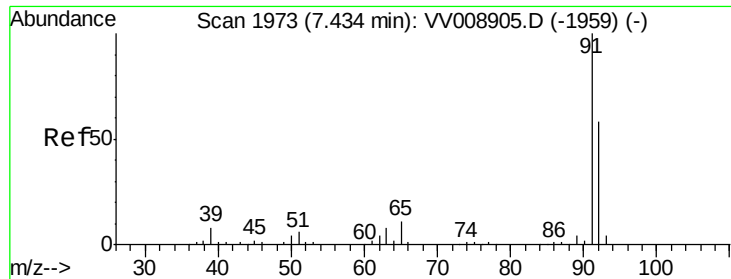
Tgt Ion: 75 Resp: 508659
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 304.122 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

Tgt Ion: 43 Resp: 727078
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.4 50.0
 100 18.1 13.9 20.9





#42

Toluene

Concen: 184.210 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

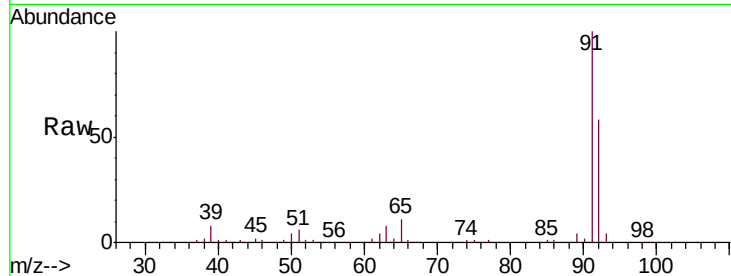
VSTD20074

Tgt Ion: 91 Resp: 1257463

Ion Ratio Lower Upper

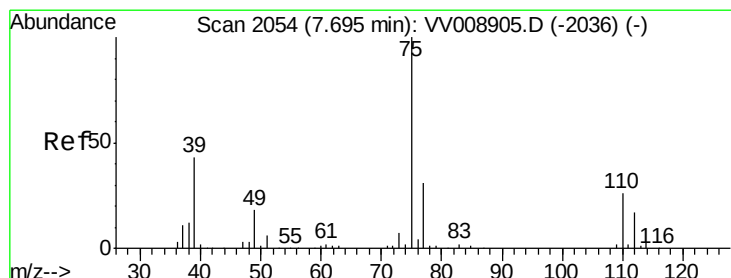
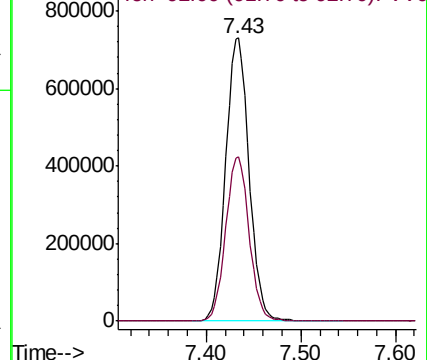
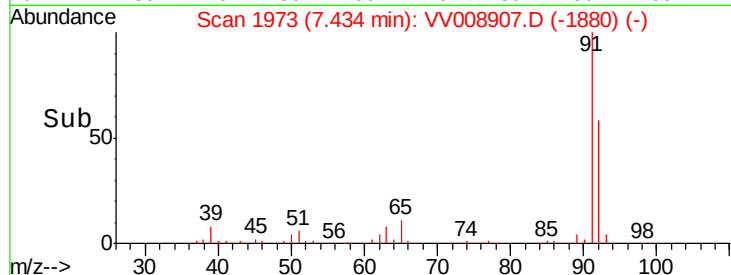
91 100

92 58.3 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV008907.D (-1880) (-)

Ion 92.00 (91.70 to 92.70): VV008907.D (-1880) (-)



#44

trans-1,3-Dichloropropene

Concen: 207.826 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008907.D

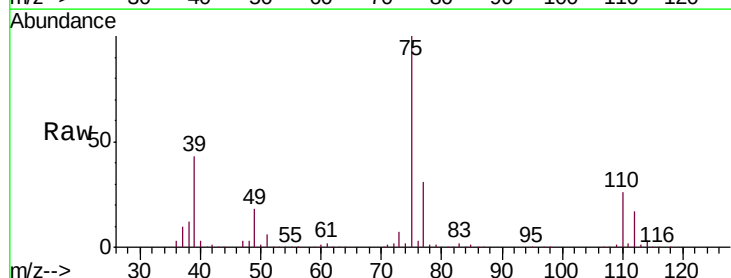
Acq: 13 Dec 2018 13:40

Tgt Ion: 75 Resp: 483095

Ion Ratio Lower Upper

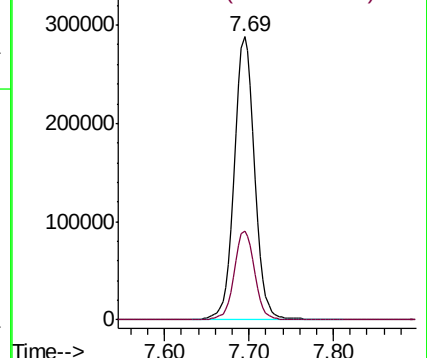
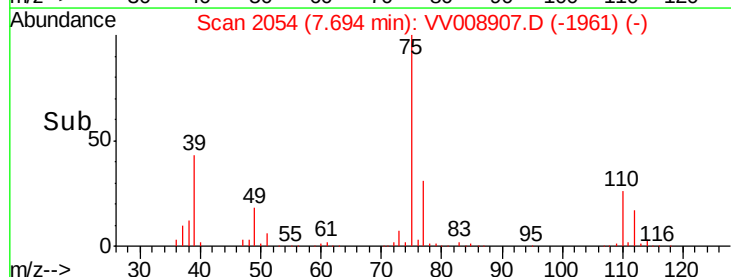
75 100

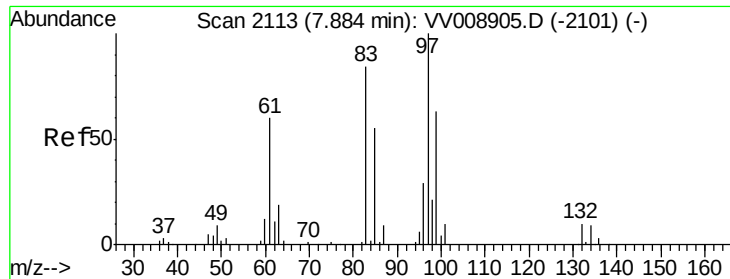
77 31.4 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV008907.D (-1961) (-)

Ion 77.00 (76.70 to 77.70): VV008907.D (-1961) (-)

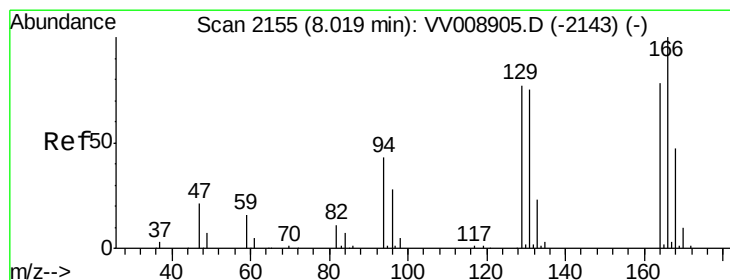
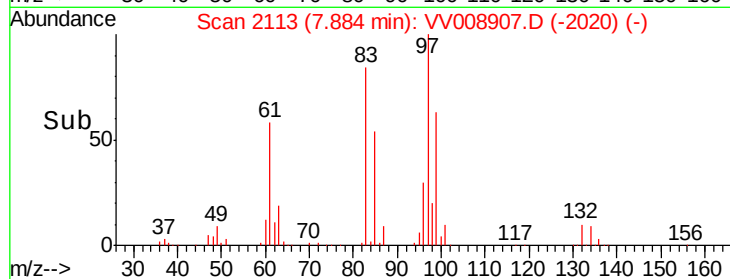
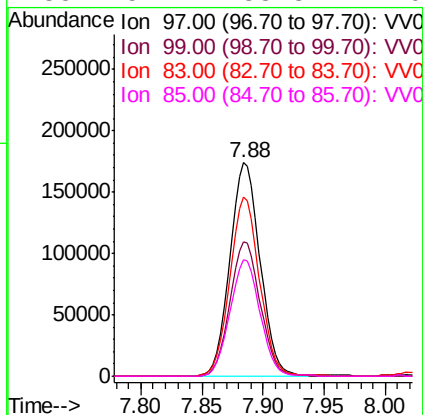
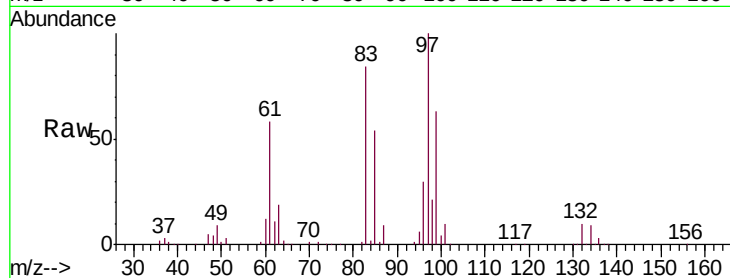




#45
 1,1,2-Trichloroethane
 Concen: 183.765 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

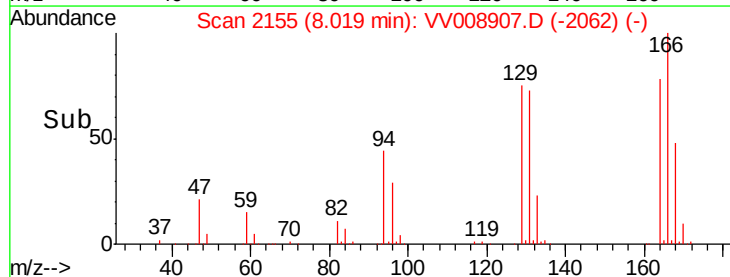
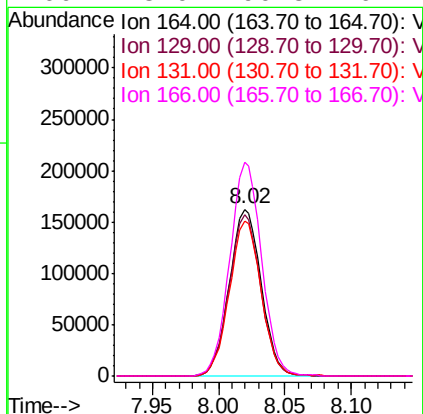
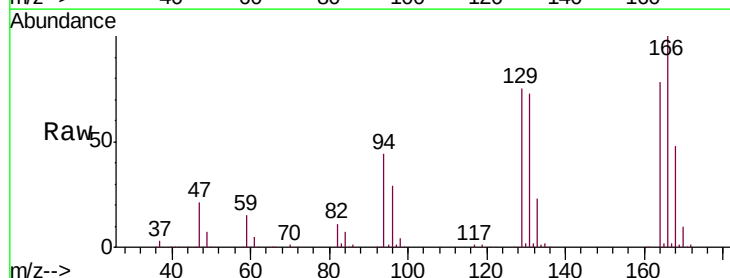
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20074

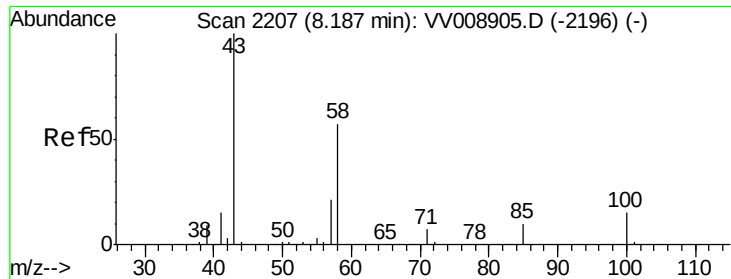
Tgt Ion:	97	Resp:	300427
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.8	81.3
83	83.8	58.8	109.2
85	54.4	38.8	72.0



#46
 Tetrachloroethene
 Concen: 210.051 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

Tgt Ion:	164	Resp:	271286
Ion	Ratio	Lower	Upper
164	100		
129	96.4	69.2	128.4
131	93.0	67.8	125.8
166	128.0	90.3	167.7

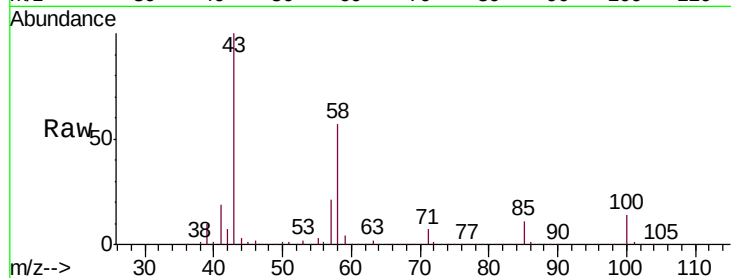




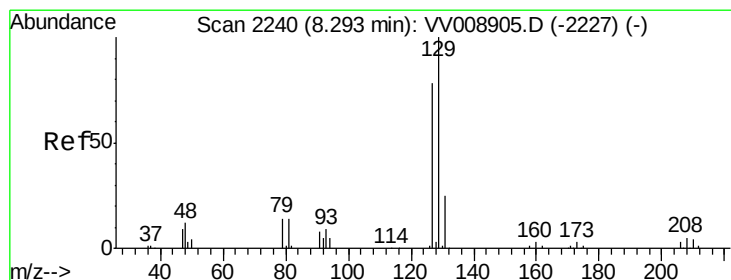
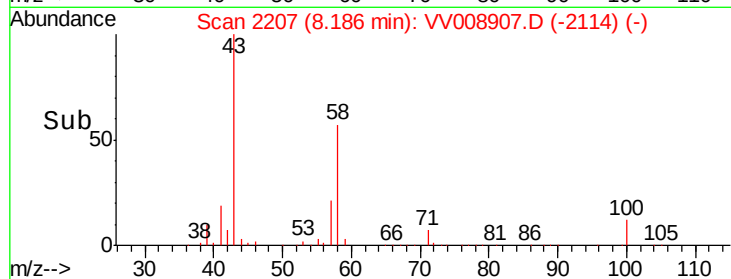
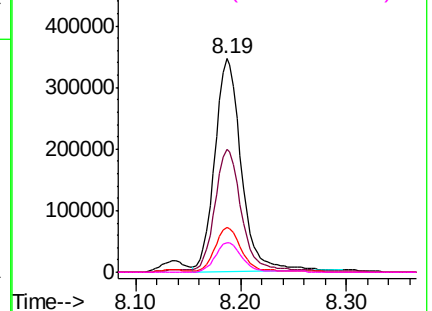
#48
2-Hexanone
Concen: 319.690 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD20074

Tgt Ion: 43 Resp: 606151
Ion Ratio Lower Upper
43 100
58 56.9 42.7 64.1
57 20.2 15.7 23.5
100 14.1 11.3 16.9

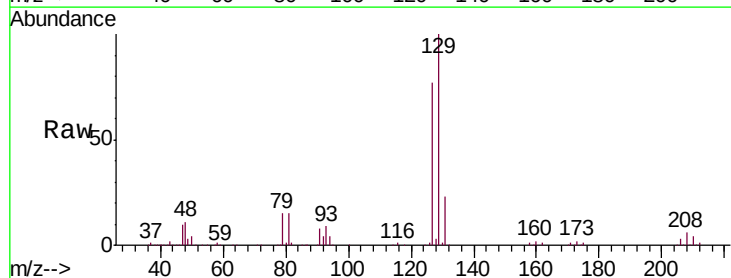


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

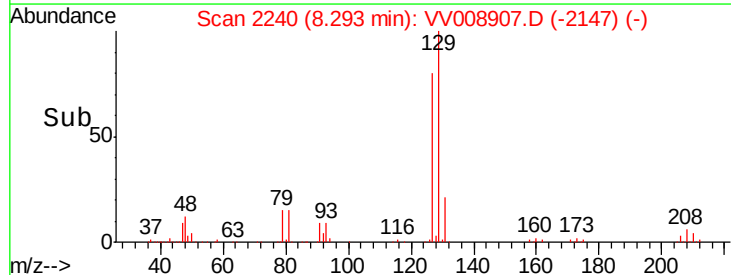
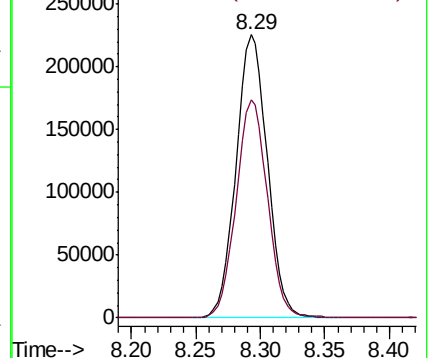


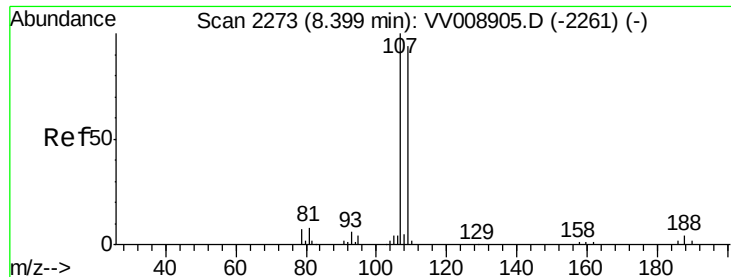
#49
Dibromochloromethane
Concen: 227.906 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Tgt Ion: 129 Resp: 381027
Ion Ratio Lower Upper
129 100
127 77.1 54.5 101.3



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

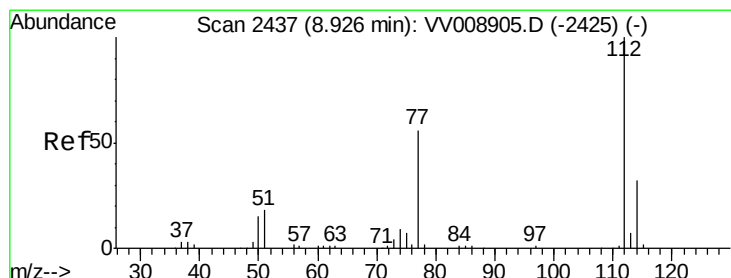
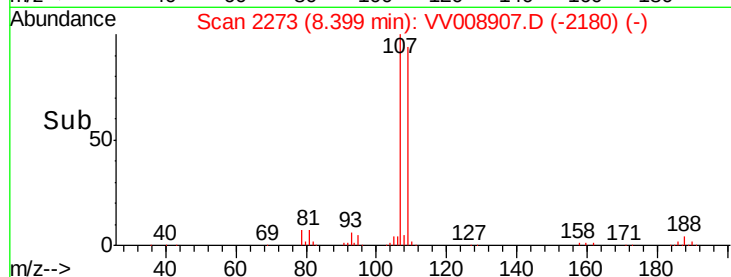
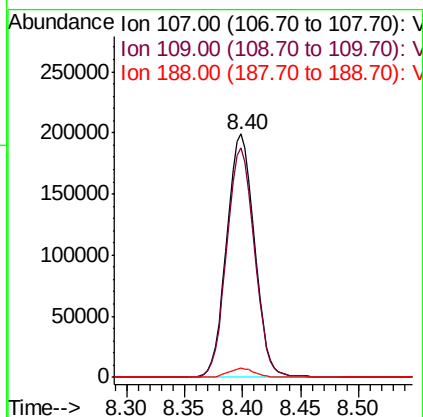
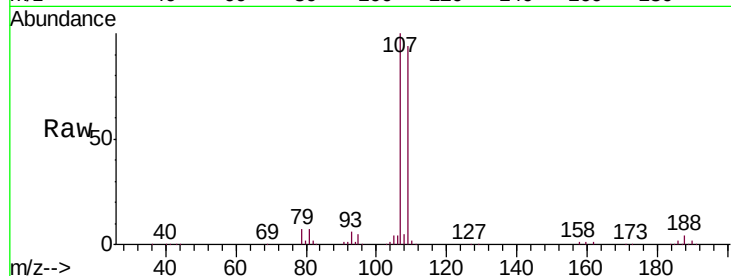




#50
1,2-Dibromoethane
Concen: 192.724 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

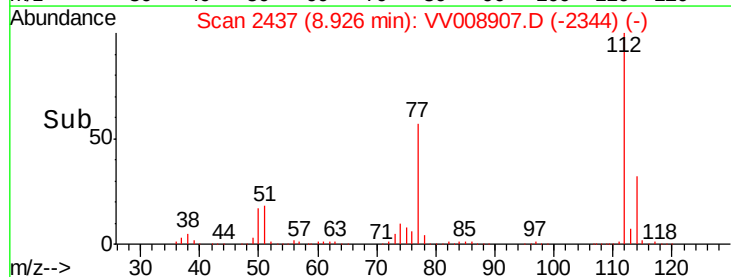
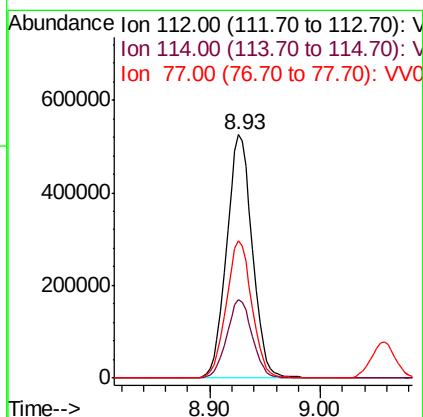
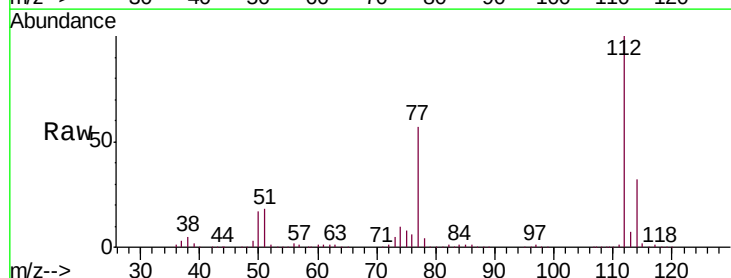
Instrument :
MSVOA_V
ClientSampleId :
VSTD20074

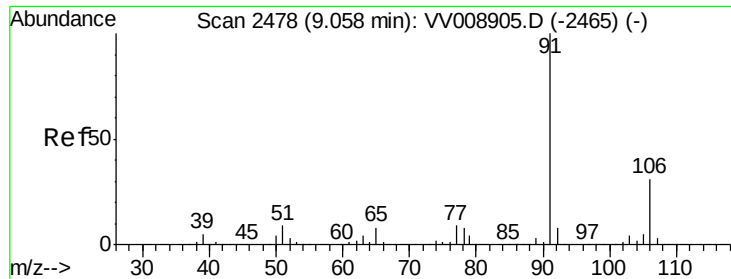
Tgt Ion:107 Resp: 330490
Ion Ratio Lower Upper
107 100
109 94.2 66.1 122.7
188 3.7 2.8 4.2



#51
Chlorobenzene
Concen: 192.932 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Tgt Ion:112 Resp: 848364
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.5
77 56.6 45.2 67.8





#52

Ethylbenzene

Concen: 190.734 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

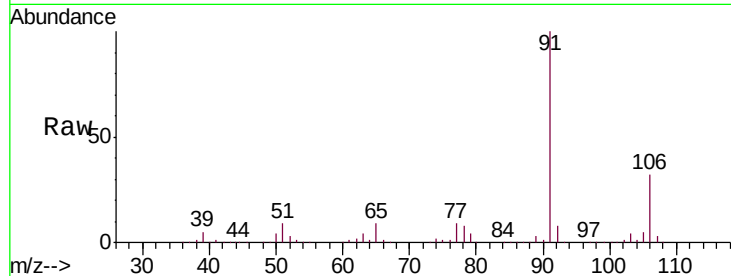
VSTD20074

Tgt Ion: 91 Resp: 1428822

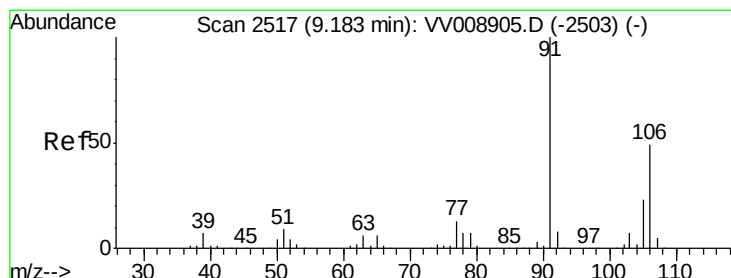
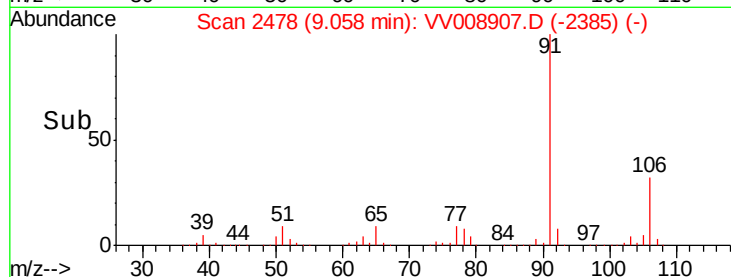
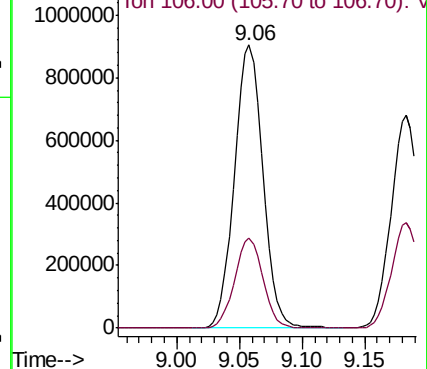
Ion Ratio Lower Upper

91 100

106 31.8 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV008907.D (-2385) (-)



#53

m,p-Xylene

Concen: 198.562 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008907.D

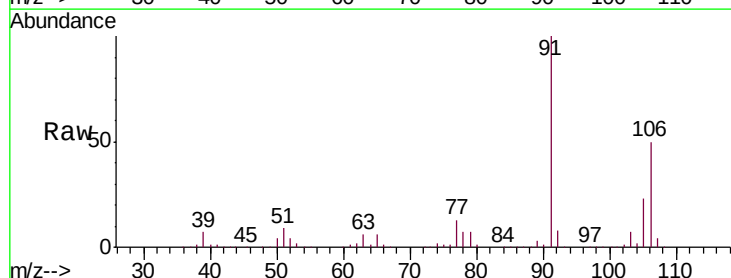
Acq: 13 Dec 2018 13:40

Tgt Ion: 106 Resp: 549596

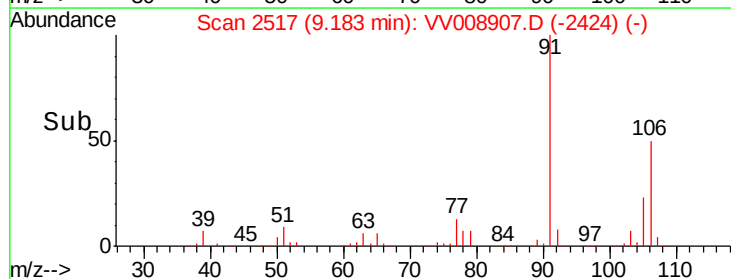
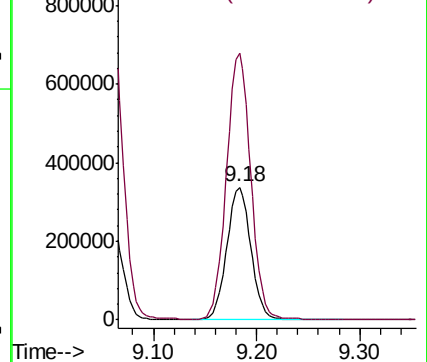
Ion Ratio Lower Upper

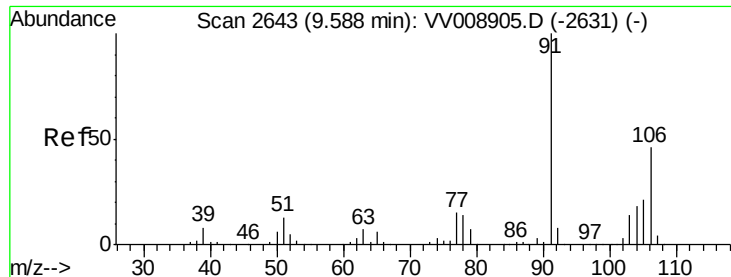
106 100

91 201.0 142.9 265.3



Abundance Ion 106.00 (105.70 to 106.70): VV008907.D (-2424) (-)

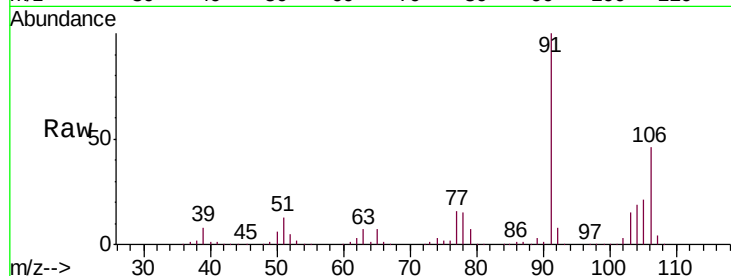




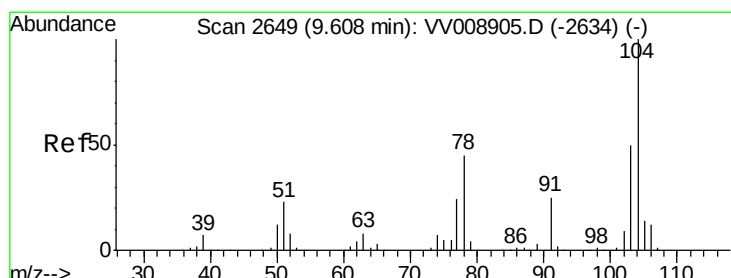
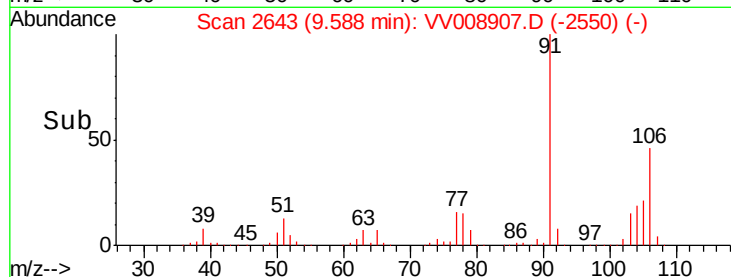
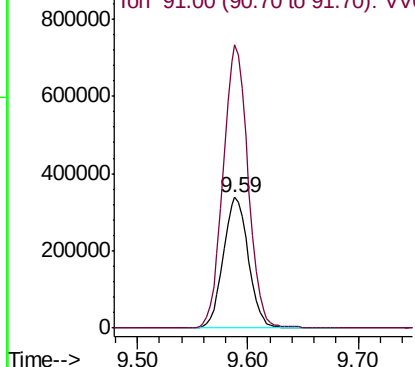
#54
o-xylene
Concen: 193.846 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD20074

Tgt Ion:106 Resp: 534769
Ion Ratio Lower Upper
106 100
91 216.4 153.4 284.8

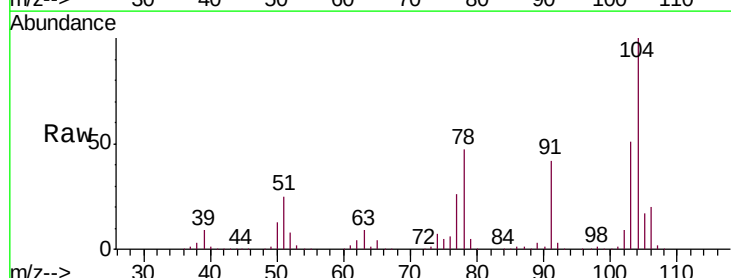


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

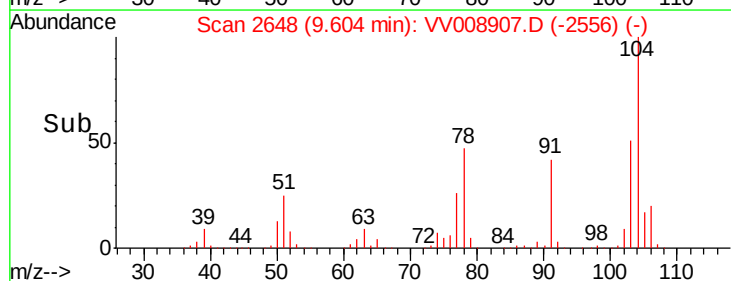
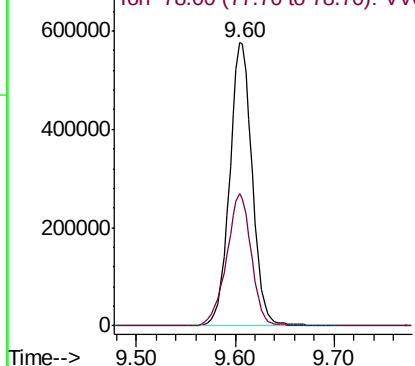


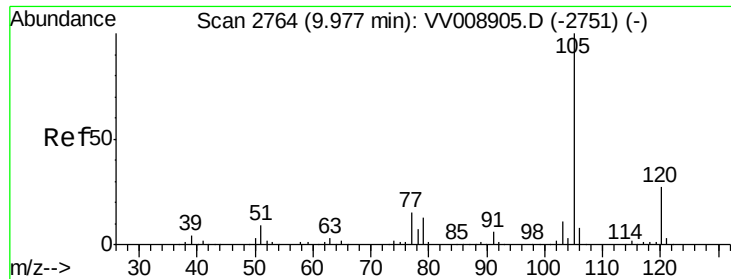
#55
Styrene
Concen: 200.431 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008907.D
Acq: 13 Dec 2018 13:40

Tgt Ion:104 Resp: 920072
Ion Ratio Lower Upper
104 100
78 46.5 31.6 58.6



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





#56

Isopropylbenzene

Concen: 198.337 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD20074

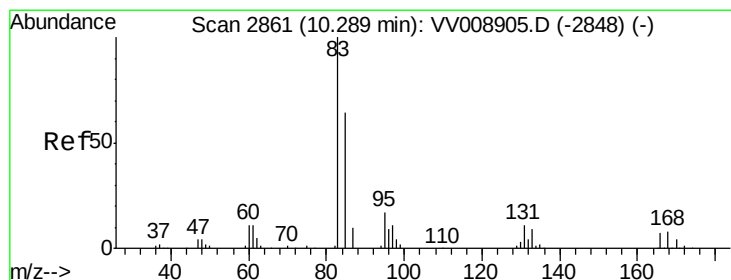
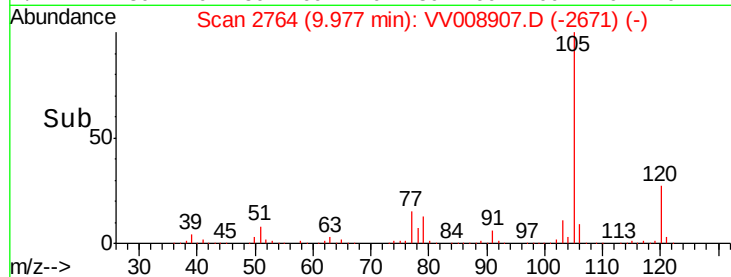
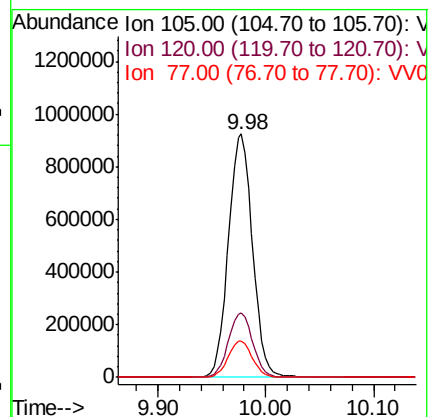
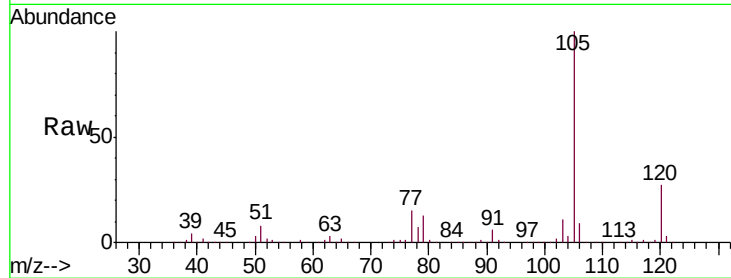
Tgt Ion:105 Resp: 1439154

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

77 15.0 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 175.405 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

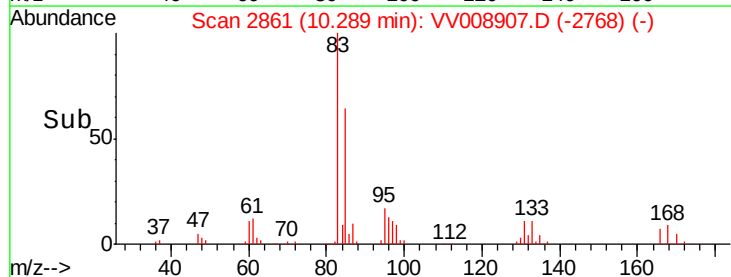
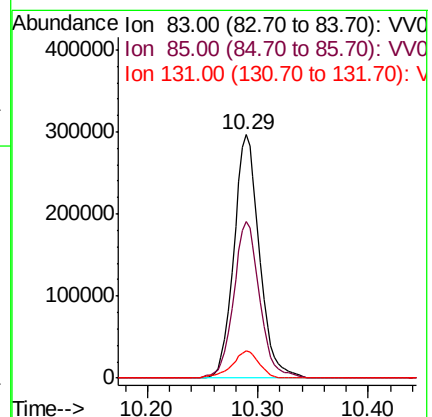
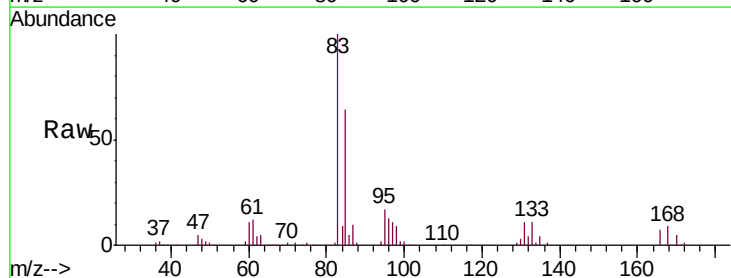
Tgt Ion: 83 Resp: 474855

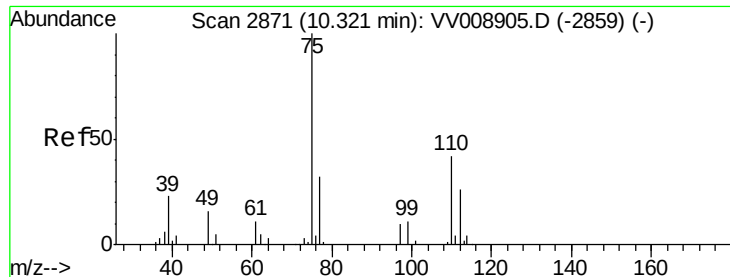
Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

131 11.0 9.2 13.8

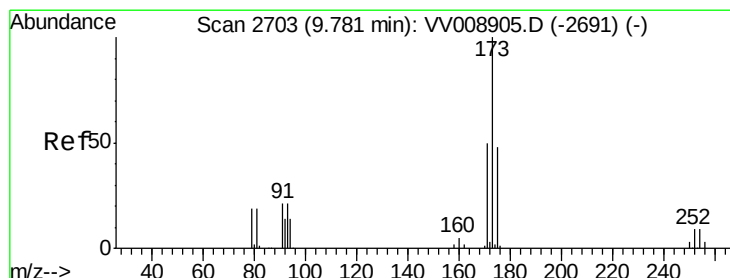
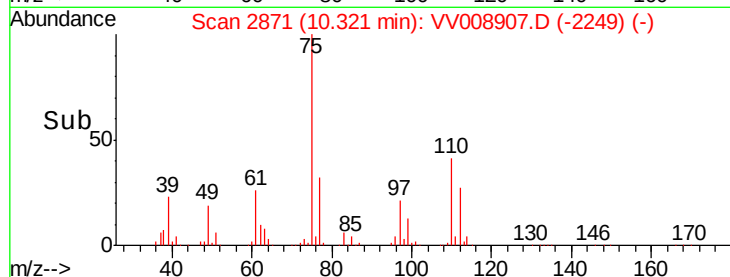
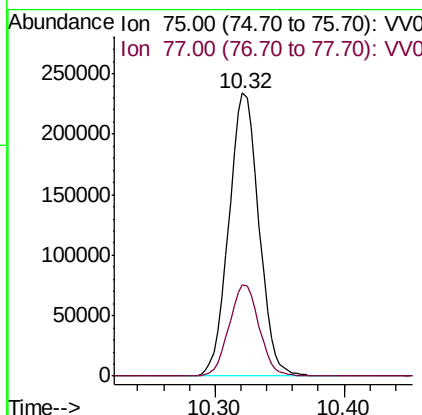
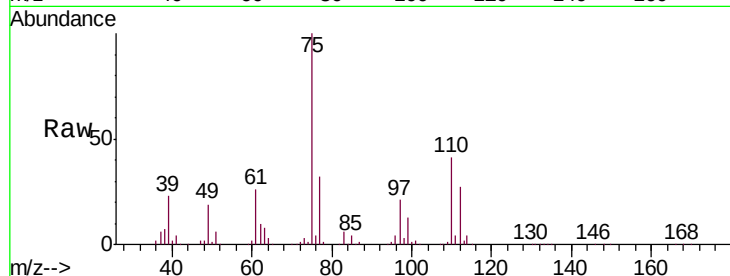




#59
 1,2,3-Trichloropropane
 Concen: 171.009 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

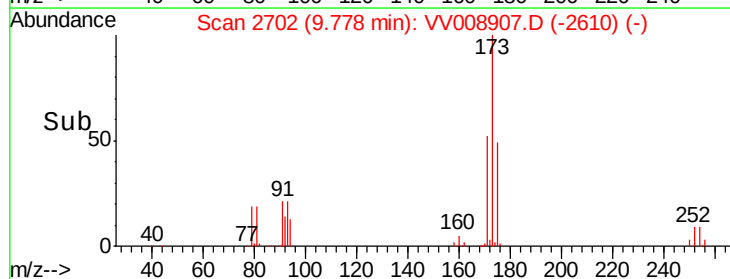
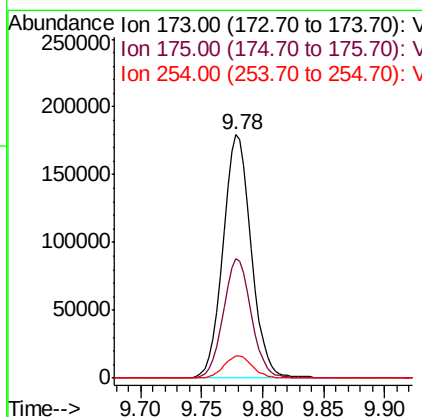
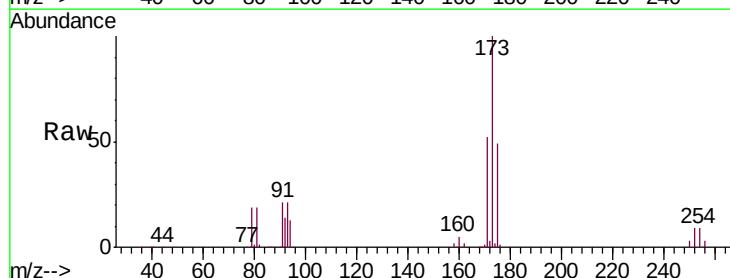
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20074

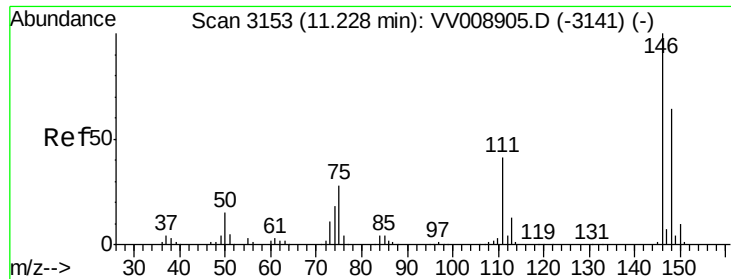
Tgt Ion: 75 Resp: 378791
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 227.249 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

Tgt Ion: 173 Resp: 291684
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.6 57.8
 254 9.3 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 191.252 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD20074

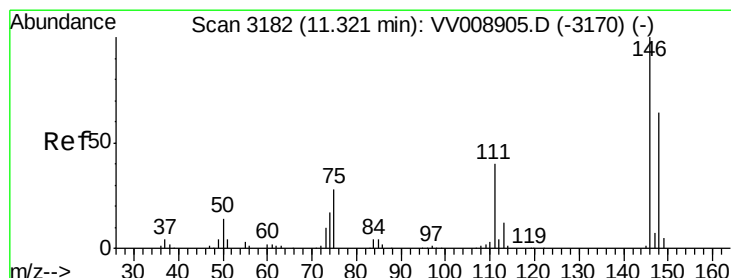
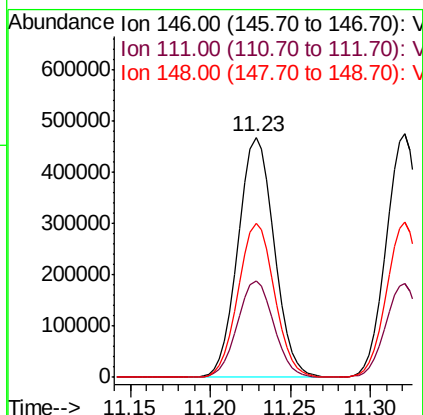
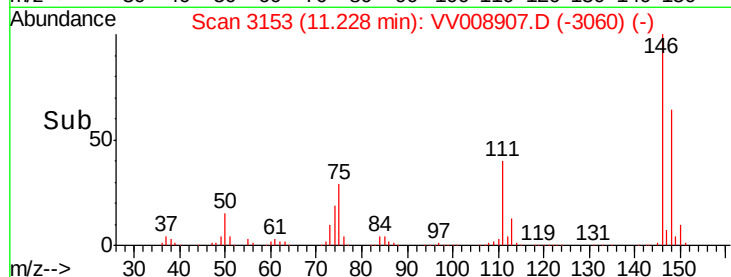
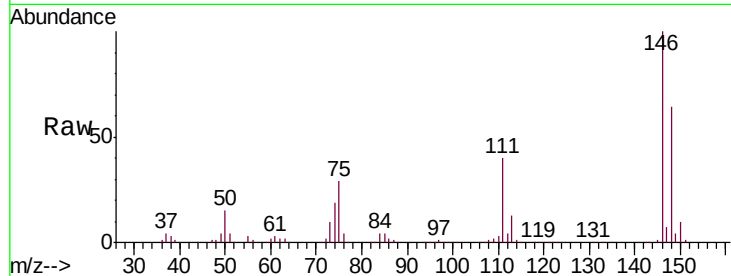
Tgt Ion:146 Resp: 720213

Ion Ratio Lower Upper

146 100

111 40.1 28.3 52.7

148 64.3 44.9 83.5



#63

1,4-Dichlorobenzene

Concen: 190.763 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

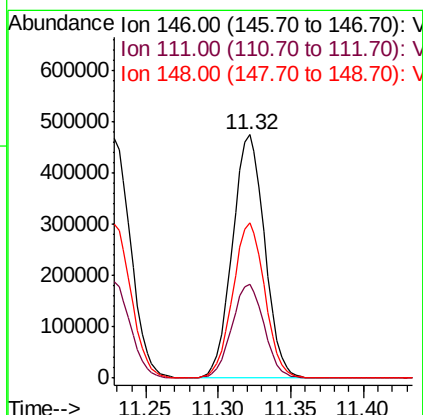
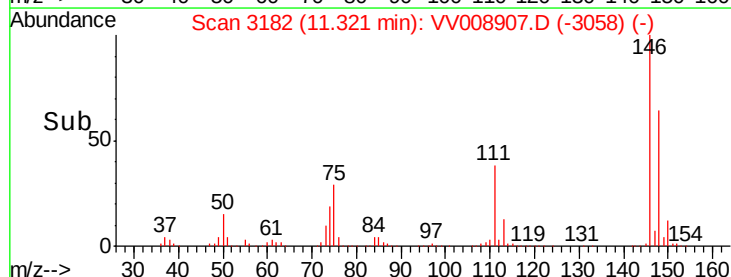
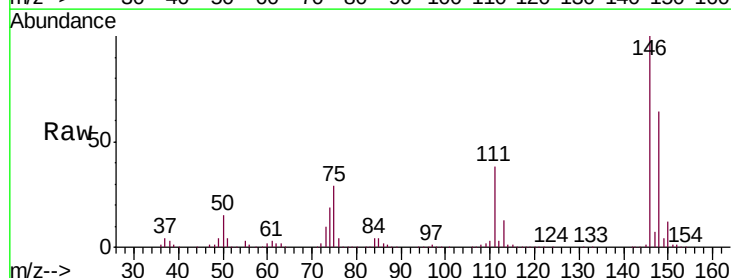
Tgt Ion:146 Resp: 730288

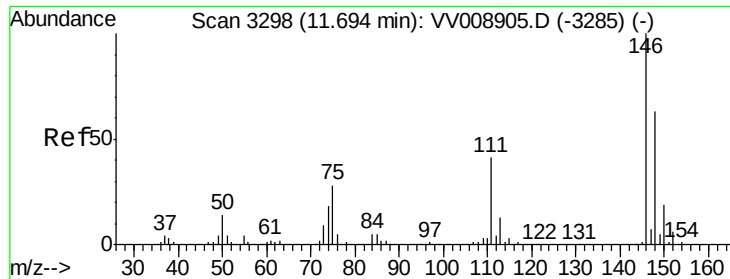
Ion Ratio Lower Upper

146 100

111 38.4 27.9 51.9

148 63.7 45.2 84.0

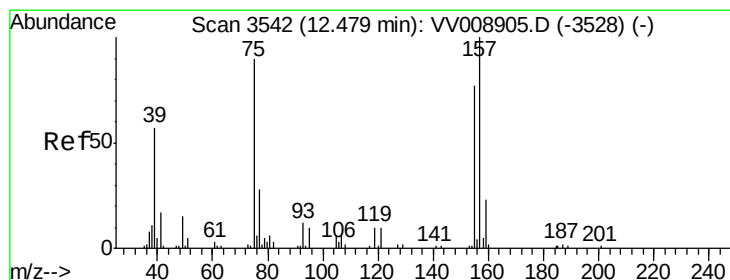
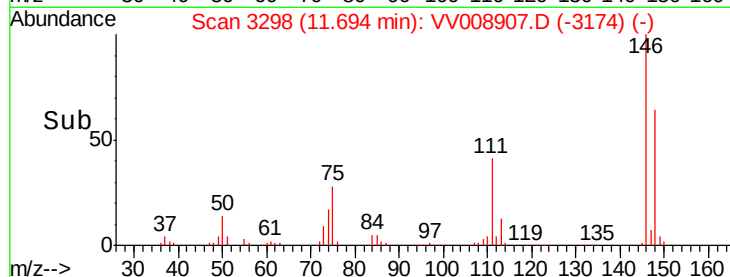
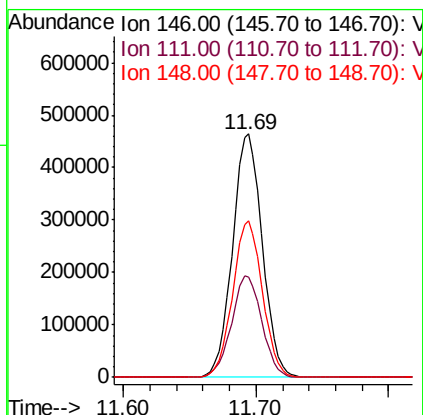
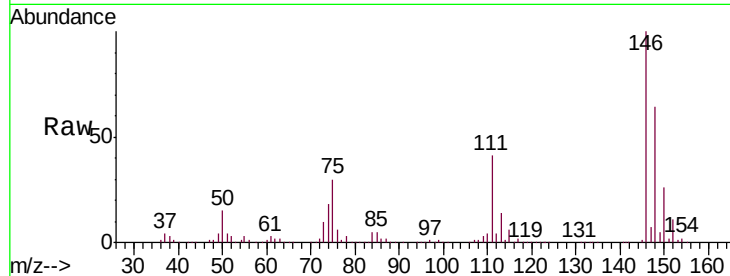




#65
 1,2-Dichlorobenzene
 Concen: 185.727 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

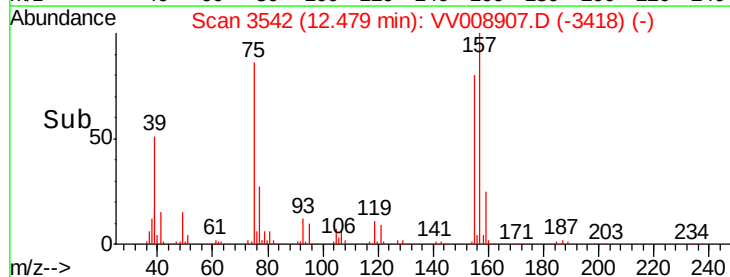
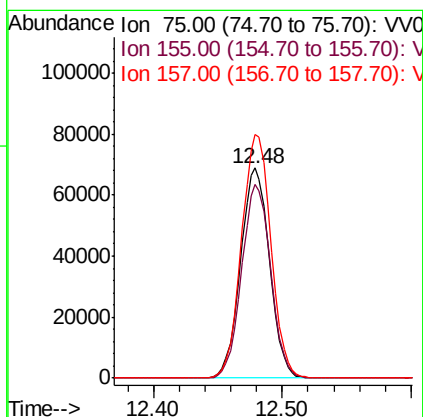
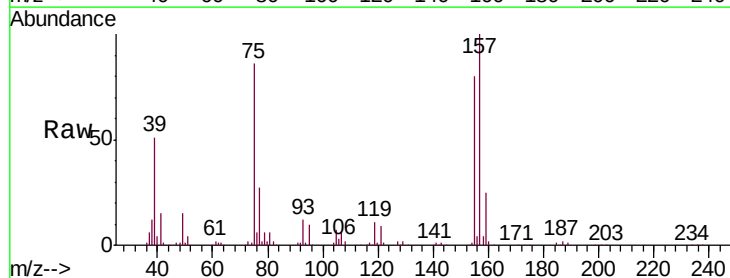
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20074

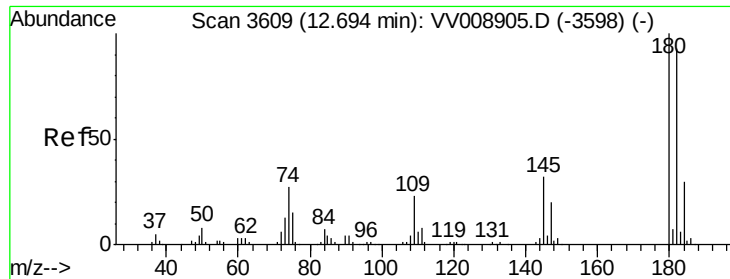
Tgt Ion: 146 Resp: 722908
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.8 49.2
 148 64.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 175.612 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

Tgt Ion: 75 Resp: 107228
 Ion Ratio Lower Upper
 75 100
 155 92.5 68.6 102.8
 157 116.0 89.4 134.0

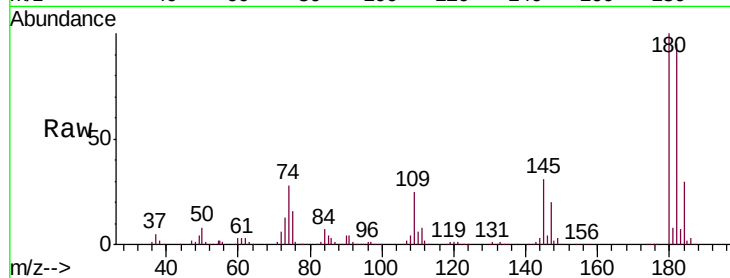




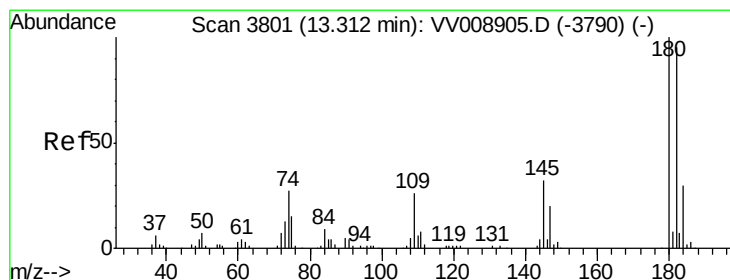
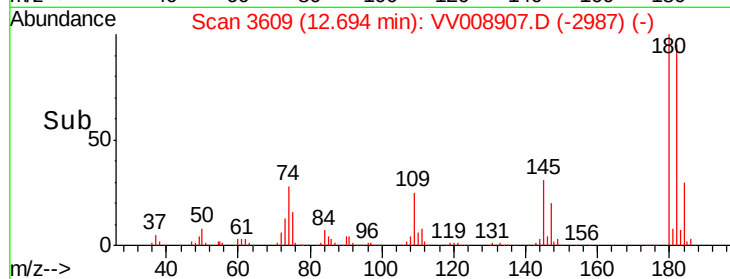
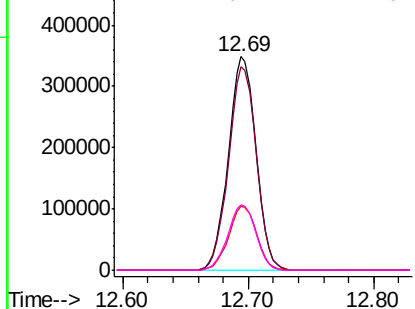
#67
 1,3,5-Trichlorobenzene
 Concen: 205.279 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20074

Tgt Ion:180 Resp: 531549
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.4 113.0
 184 30.4 24.2 36.2
 145 31.0 25.0 37.4

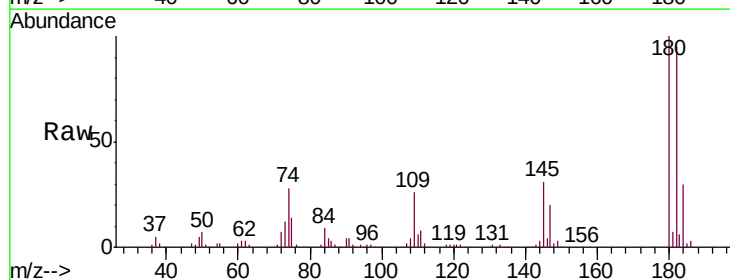


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

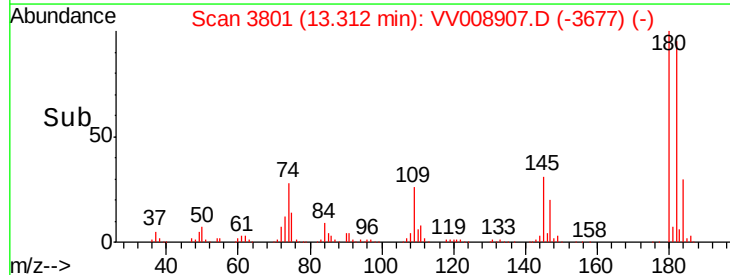
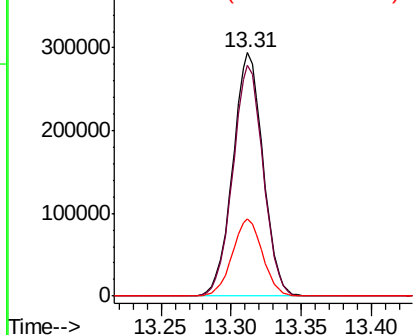


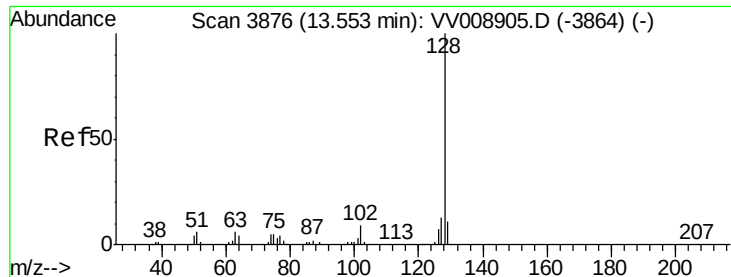
#68
 1,2,4-trichlorobenzene
 Concen: 230.782 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV008907.D
 Acq: 13 Dec 2018 13:40

Tgt Ion:180 Resp: 442499
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.7 113.5
 145 31.4 25.0 37.4



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: 207.722 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD20074

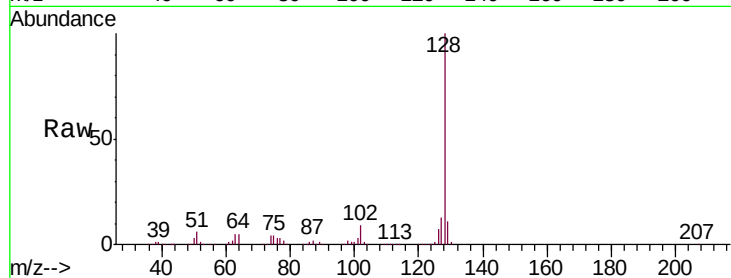
Tgt Ion:128 Resp: 1090068

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

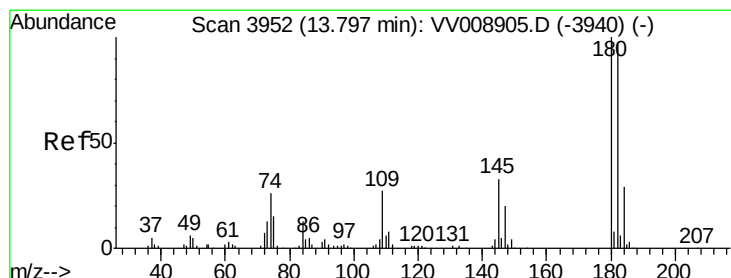
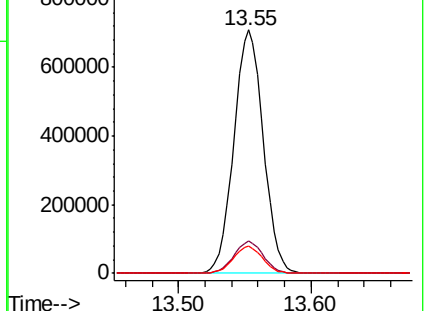
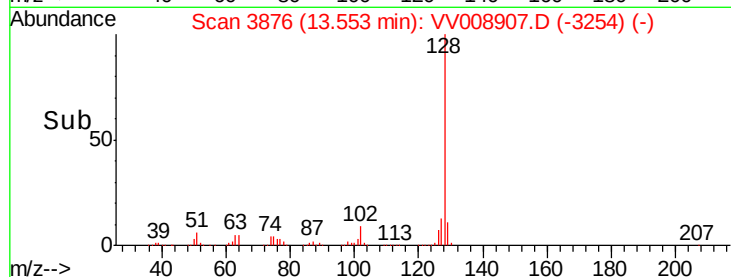
129 11.0 8.6 12.8



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: 218.359 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV008907.D

Acq: 13 Dec 2018 13:40

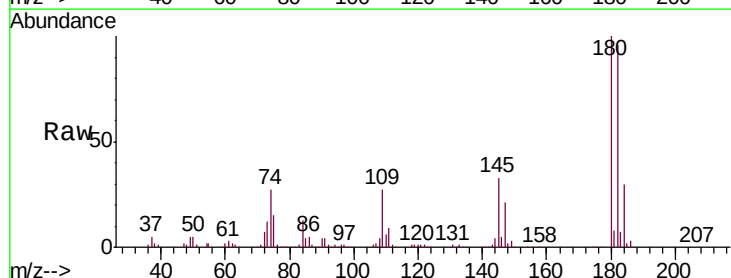
Tgt Ion:180 Resp: 430895

Ion Ratio Lower Upper

180 100

182 94.8 76.6 115.0

145 33.2 26.1 39.1



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

