

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
 Data File : VV017389.D
 Acq On : 08 Jul 2020 11:11
 Operator : SY/MD
 Sample : VSTD10061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

Quant Time: Jul 09 01:18:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 01:14:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	320902	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	315804	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170750	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	169182	79.68	ug/L	0.00
7) Chloroethane-d5	1.58	69	114914	88.39	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	378153	99.67	ug/L	0.00
21) 2-Butanone-d5	3.90	46	245919	158.70	ug/L	0.00
24) Chloroform-d	4.38	84	389720	87.94	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	274766	90.62	ug/L	0.00
32) Benzene-d6	5.08	84	687730	79.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	195415	74.08	ug/L	0.00
41) Toluene-d8	7.34	98	678006	85.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	120479	85.20	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	184944	162.83	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	276163	78.47	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	290630	83.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	319757	118.227	ug/L	100
3) Chloromethane	1.25	50	225489	96.993	ug/L	100
5) Vinyl chloride	1.32	62	231791	101.435	ug/L	97
6) Bromomethane	1.53	94	119943	119.475	ug/L	95
8) Chloroethane	1.60	64	115716	102.190	ug/L	99
9) Trichlorofluoromethane	1.76	101	431084	118.845	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	199357	111.961	ug/L	99
12) 1,1-Dichloroethene	2.13	96	181911	110.814	ug/L	93
13) Acetone	2.18	43	259955	218.289	ug/L	98
14) Carbon disulfide	2.31	76	561272	97.591	ug/L	100
15) Methyl Acetate	2.44	43	202327	85.295	ug/L	98
16) Methylene chloride	2.52	84	208764	90.977	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	199786	92.881	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	674422	94.955	ug/L	99
19) 1,1-Dichloroethane	3.21	63	359790	89.798	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	218435	93.695	ug/L	100
22) 2-Butanone	3.99	43	298509	178.975	ug/L	93
23) Bromochloromethane	4.28	128	118784	95.676	ug/L	99
25) Chloroform	4.40	83	409791	97.669	ug/L	99
27) 1,2-Dichloroethane	5.15	62	361308	101.669	ug/L	100
29) Cyclohexane	4.70	56	313072	82.761	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	409472	100.498	ug/L	99
31) Carbon tetrachloride	4.86	117	375365	105.444	ug/L	100
33) Benzene	5.13	78	788150	86.538	ug/L	100
34) Trichloroethene	5.94	95	224390	90.391	ug/L	98
35) Methylcyclohexane	6.15	83	346703	89.484	ug/L	99
37) 1,2-Dichloropropane	6.20	63	189233	80.893	ug/L	100
38) Bromodichloromethane	6.53	83	317475	98.501	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	338005	91.215	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	560154	170.718	ug/L	99

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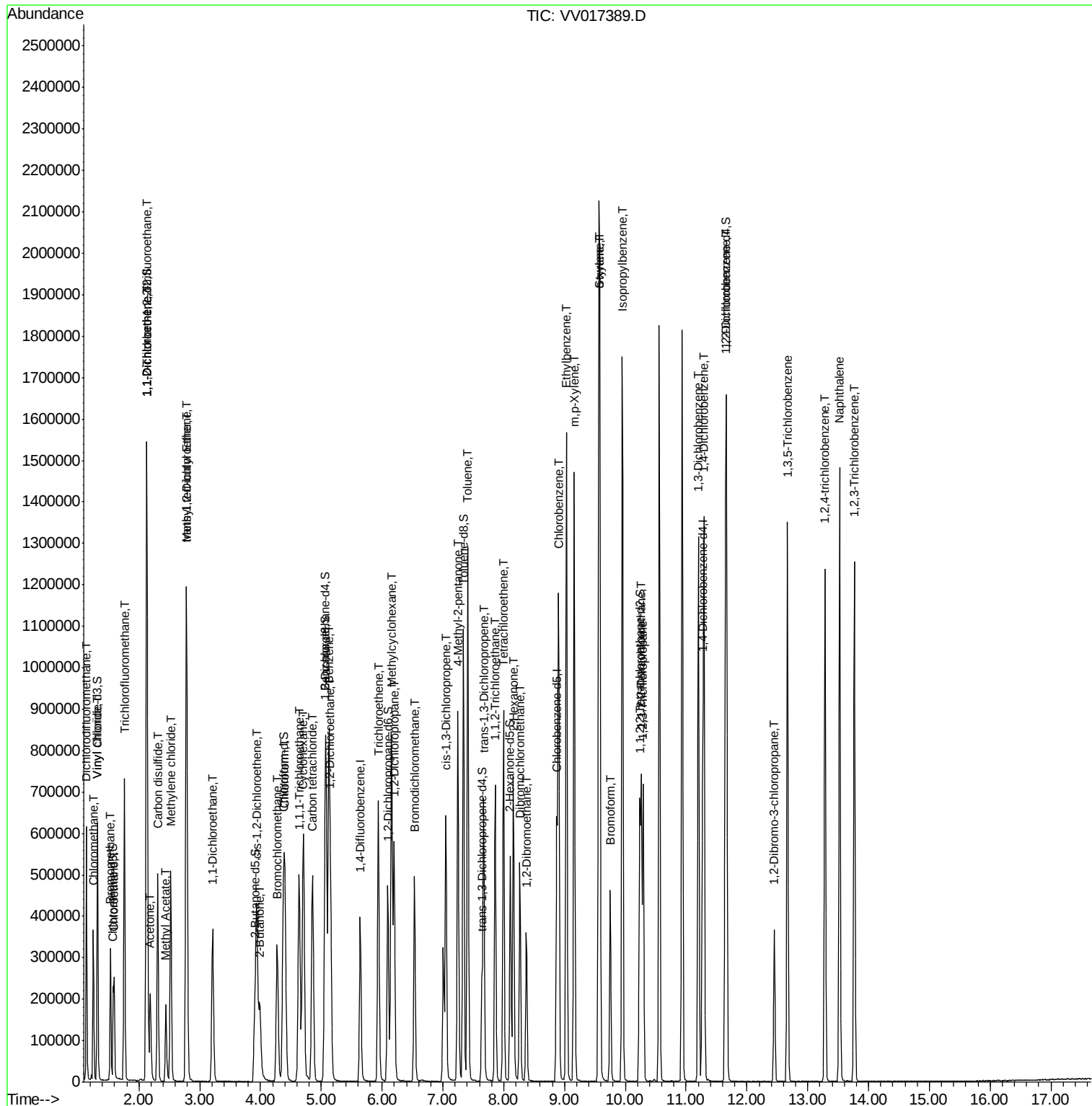
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	893518	92.075	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	358140	98.590	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	205323	89.355	ug/L	97
46) Tetrachloroethene	8.00	164	195821	98.990	ug/L	94
48) 2-Hexanone	8.16	43	443457	171.912	ug/L	100
49) Dibromochloromethane	8.27	129	265732	104.843	ug/L	100
50) 1,2-Dibromoethane	8.37	107	226867	93.556	ug/L	100
51) Chlorobenzene	8.90	112	589506	92.517	ug/L	100
52) Ethylbenzene	9.03	91	1039437	96.446	ug/L	99
53) m,p-Xylene	9.16	106	393775	97.867	ug/L	99
54) o-xylene	9.57	106	380348	95.927	ug/L	100
55) Styrene	9.58	104	664884	98.918	ug/L	99
56) Isopropylbenzene	9.95	105	1065413	99.631	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	311871	89.139	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	265046	89.725	ug/L	98
61) Bromoform	9.75	173	202599	112.877	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	511429	95.395	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	508669	93.589	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	508179	95.080	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	86913	102.220	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	395021	98.100	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	365195	99.822	ug/L	100
69) Naphthalene	13.52	128	1089923	104.115	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	366800	101.430	ug/L	100

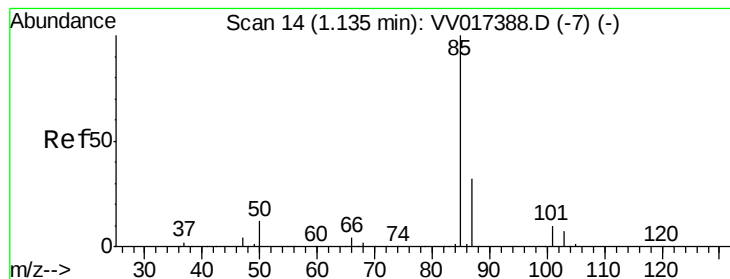
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 118.227 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

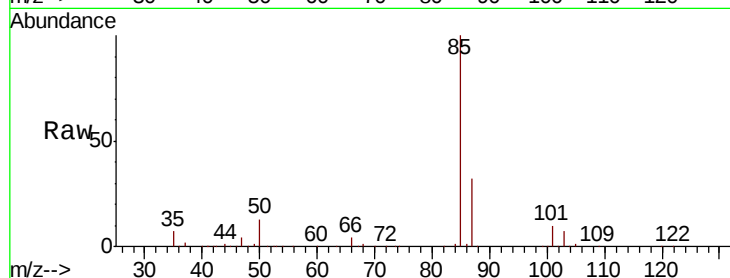
VSTD10061

Tot Ion: 85 Resp: 319757

Ion Ratio Lower Upper

85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV017389.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV017389.D (-7) (-)

1.14

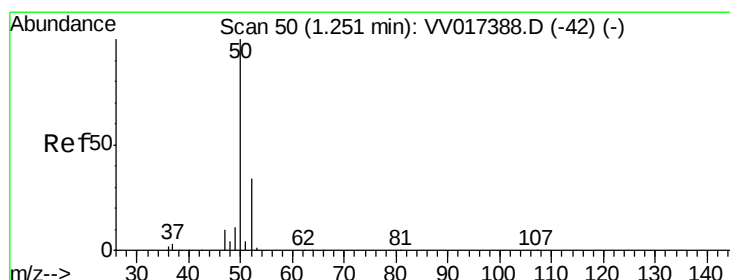
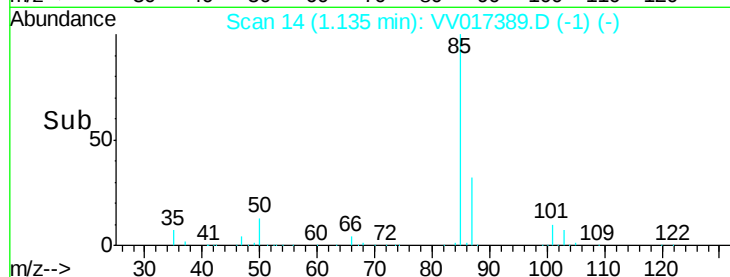
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 96.993 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017389.D

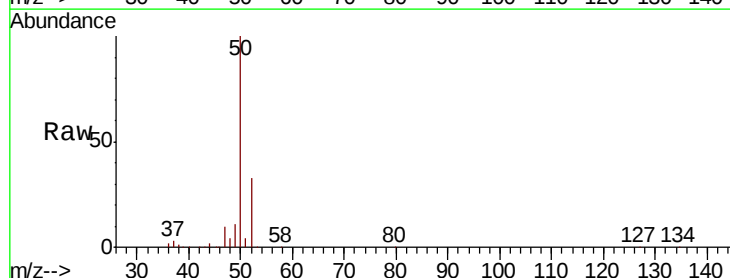
Acq: 08 Jul 2020 11:11

Tgt Ion: 50 Resp: 225489

Ion Ratio Lower Upper

50 100

52 33.3 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV017389.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV017389.D (-42) (-)

1.25

250000

200000

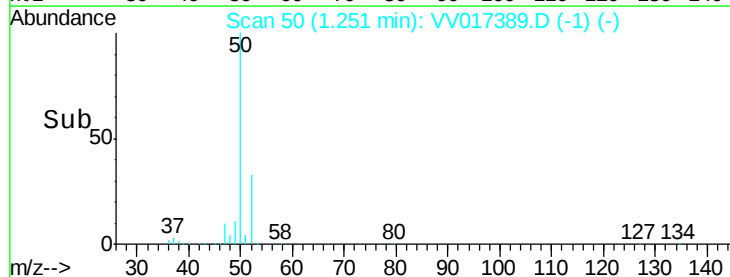
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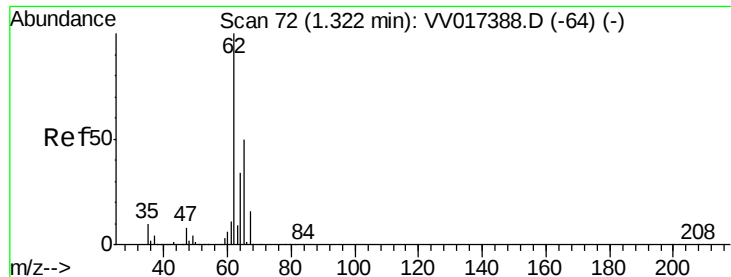
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 101.435 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

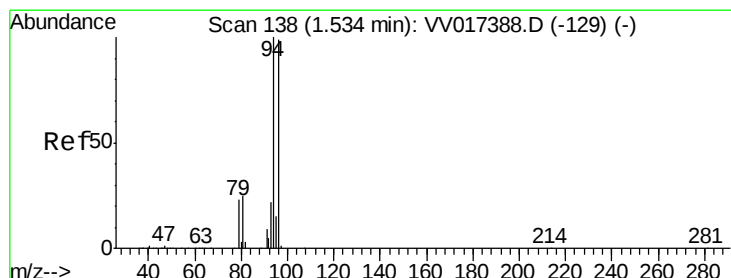
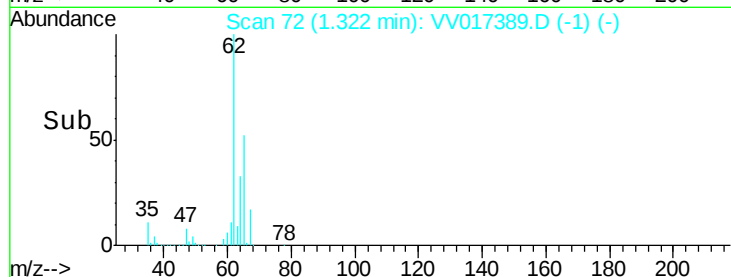
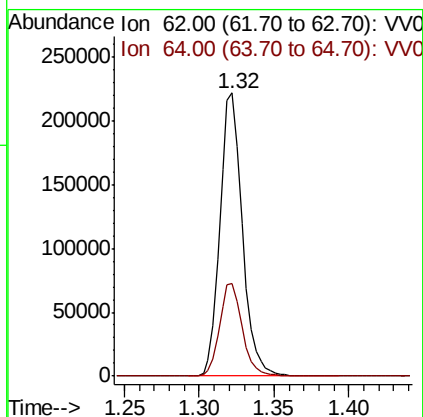
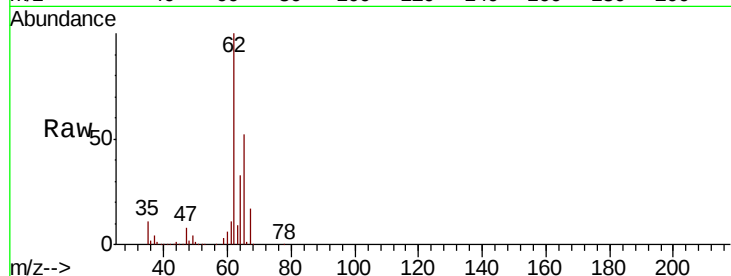
VSTD10061

Tot Ion: 62 Resp: 231791

Ion Ratio Lower Upper

62 100

64 32.7 24.1 44.7



#6

Bromomethane

Concen: 119.475 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017389.D

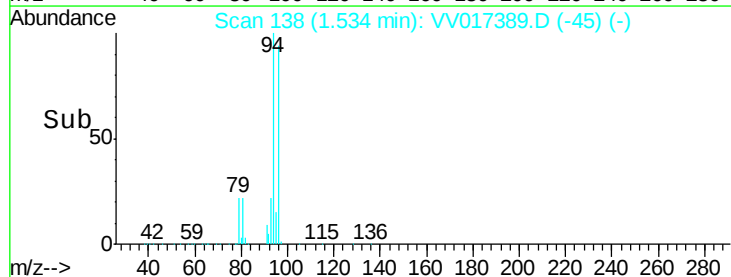
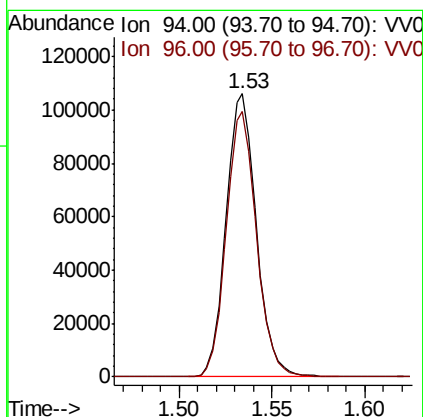
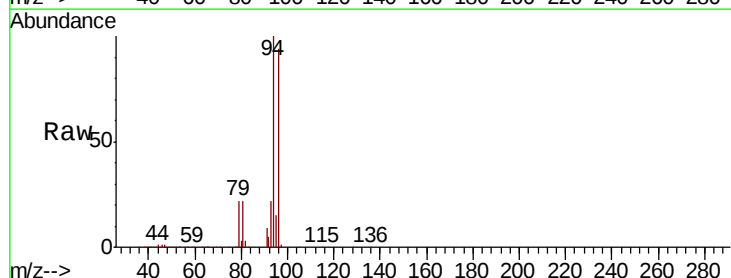
Acq: 08 Jul 2020 11:11

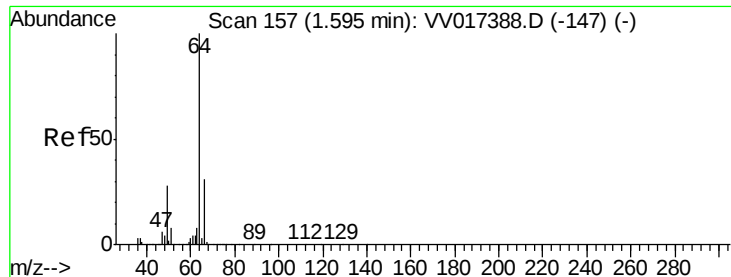
Tgt Ion: 94 Resp: 119943

Ion Ratio Lower Upper

94 100

96 93.9 69.0 128.1

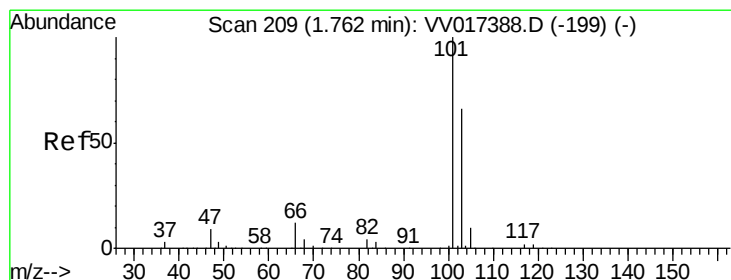
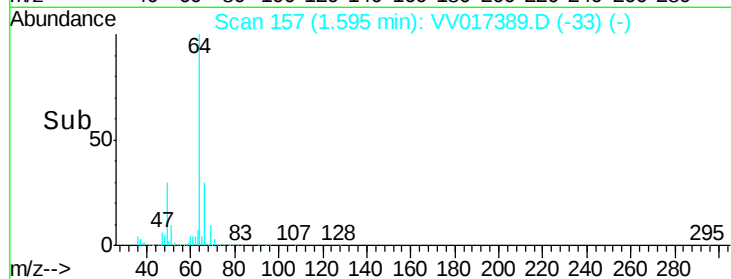
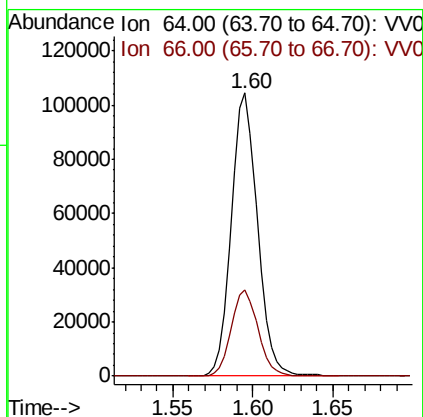
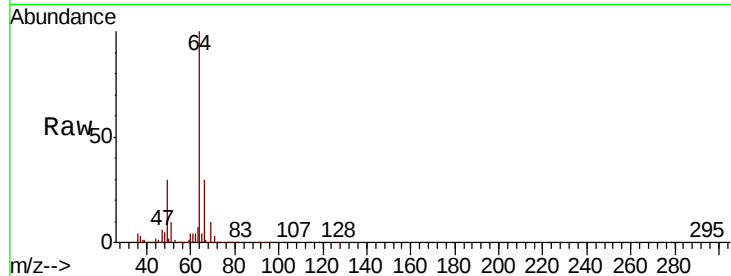




#8
Chloroethane
Concen: 102.190 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

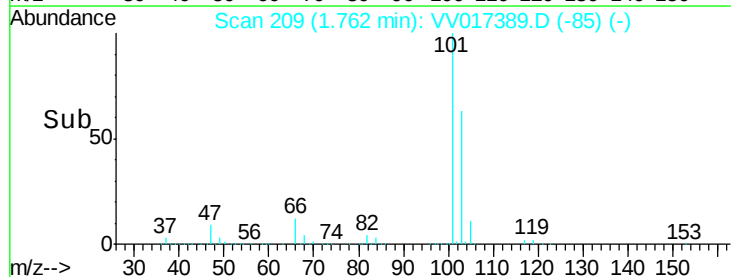
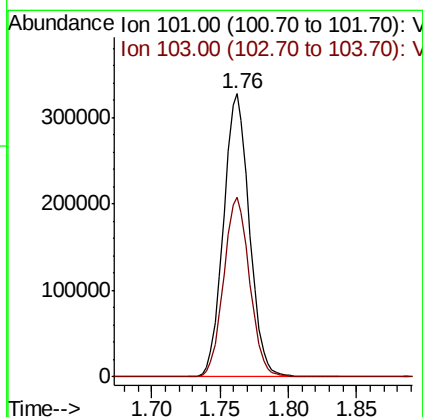
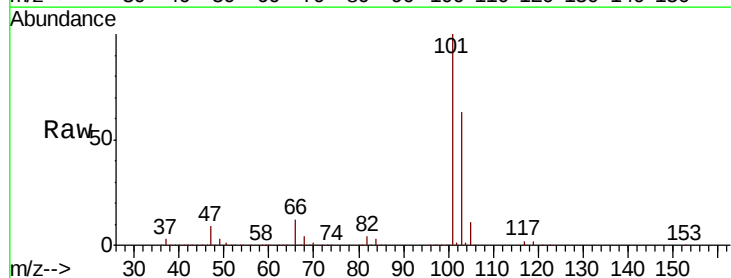
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

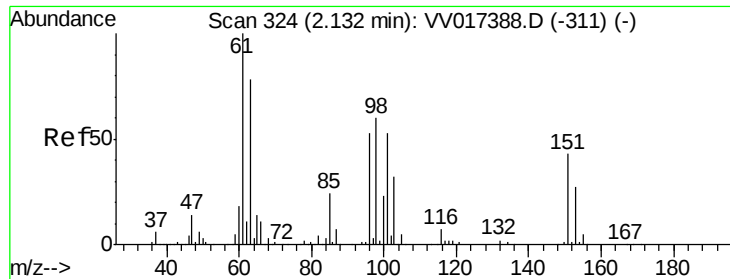
Tot Ion: 64 Resp: 115716
Ion Ratio Lower Upper
64 100
66 30.3 21.8 40.4



#9
Trichlorofluoromethane
Concen: 118.845 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

Tgt Ion: 101 Resp: 431084
Ion Ratio Lower Upper
101 100
103 63.8 51.9 77.9





#10

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

Concen: 111.961 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

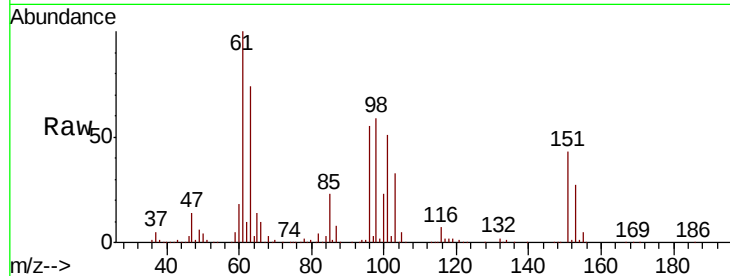
Tot Ion:101 Resp: 199357

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.4

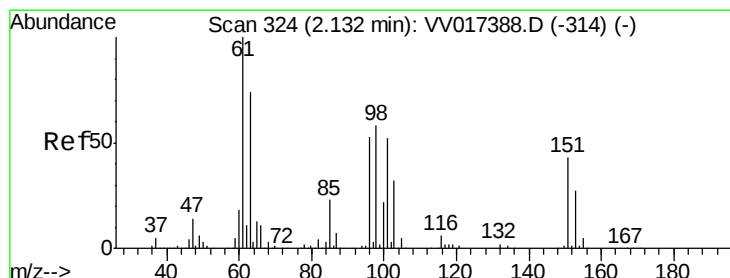
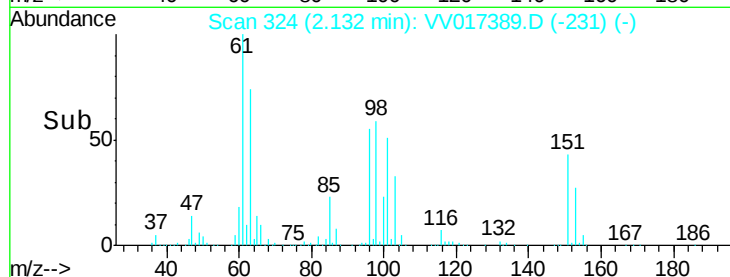
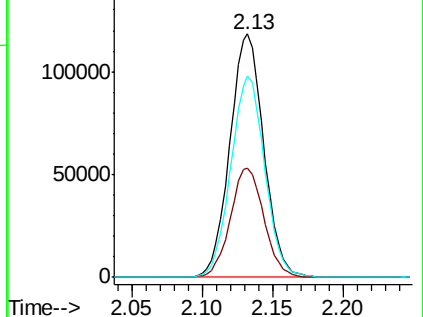
151 82.8 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): VV017388.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017388.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017388.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 110.814 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

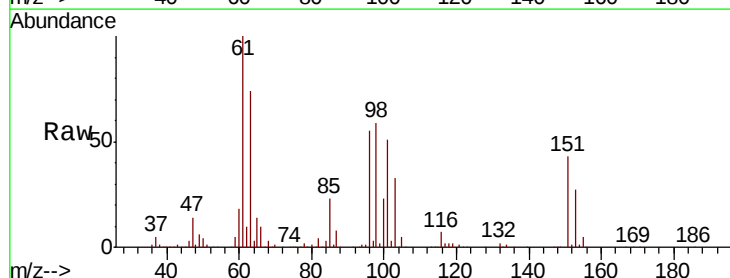
Tgt Ion: 96 Resp: 181911

Ion Ratio Lower Upper

96 100

61 181.9 132.7 246.4

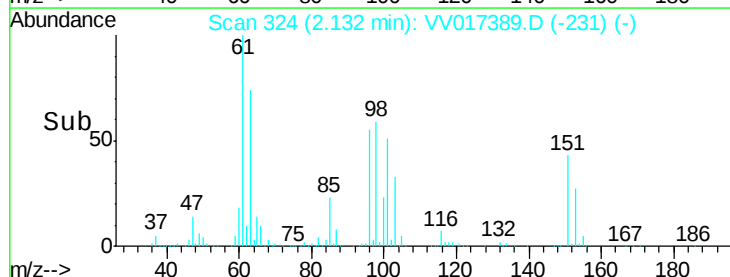
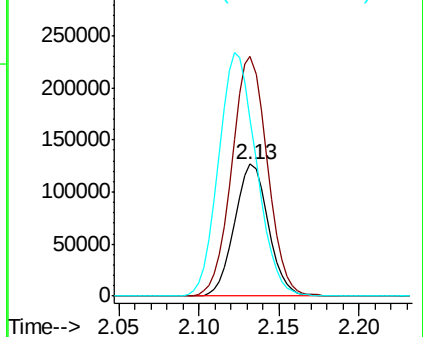
63 134.6 103.3 191.8

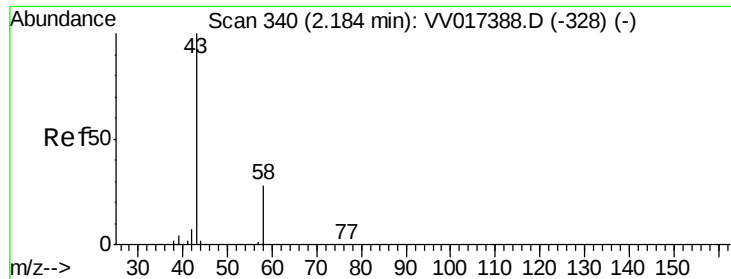


Abundance Ion 96.00 (95.70 to 96.70): VV017389.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV017389.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017389.D (-231) (-)





#13

Acetone

Concen: 218.289 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

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MSVOA_V

ClientSampleId :

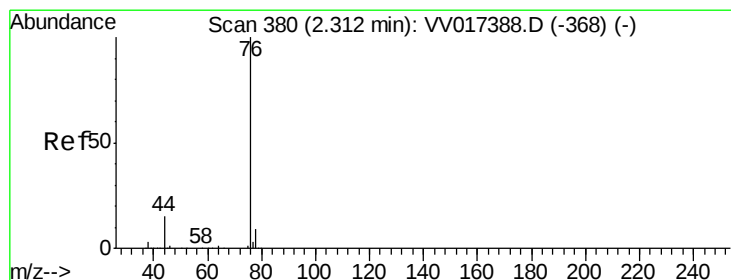
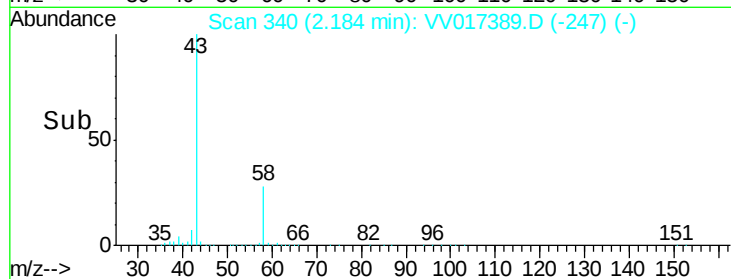
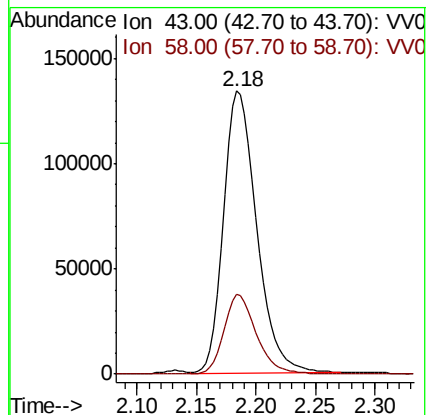
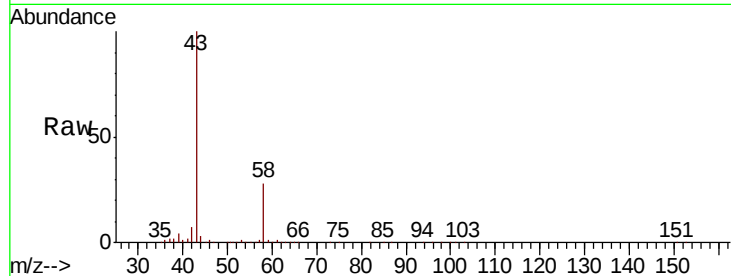
VSTD10061

Tot Ion: 43 Resp: 259955

Ion Ratio Lower Upper

43 100

58 26.8 0.0 56.0



#14

Carbon disulfide

Concen: 97.591 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017389.D

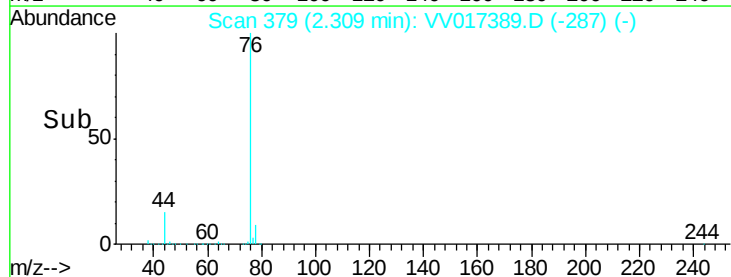
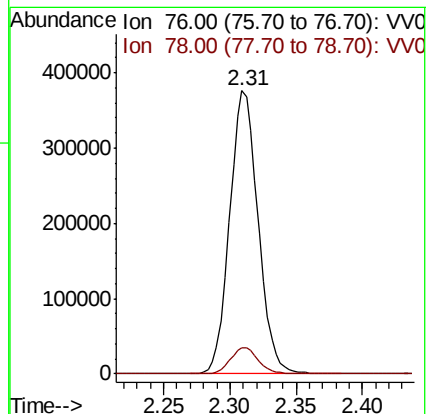
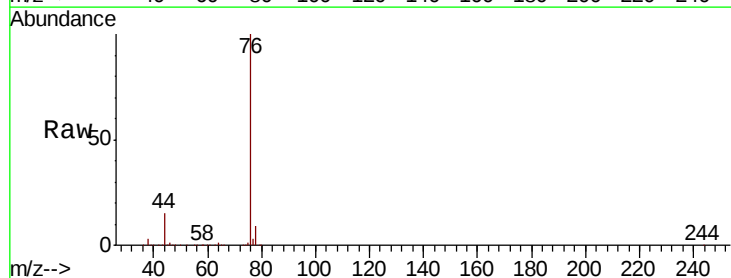
Acq: 08 Jul 2020 11:11

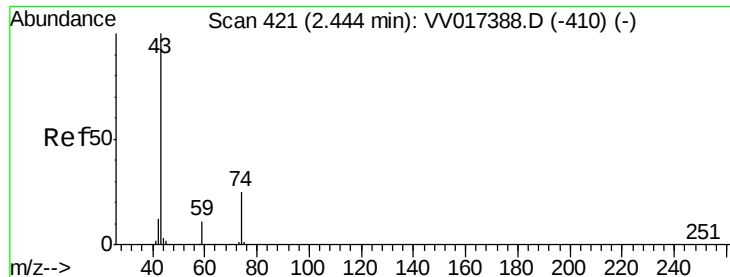
Tgt Ion: 76 Resp: 561272

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

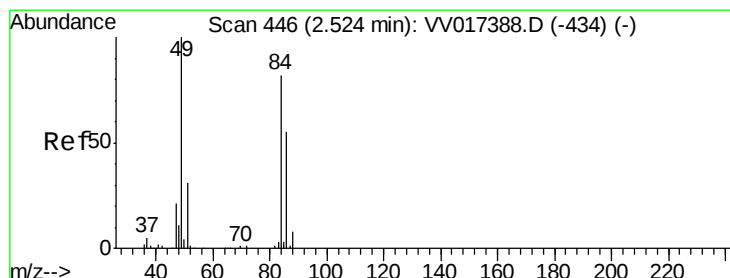
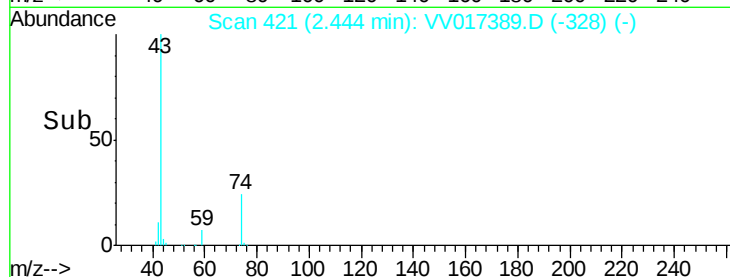
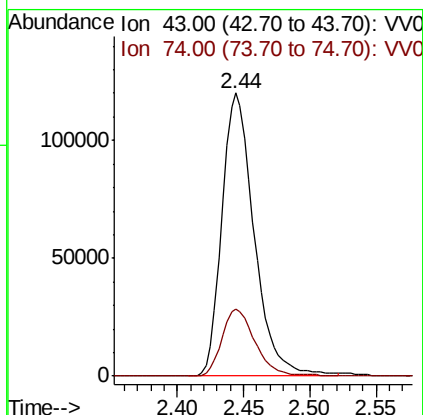
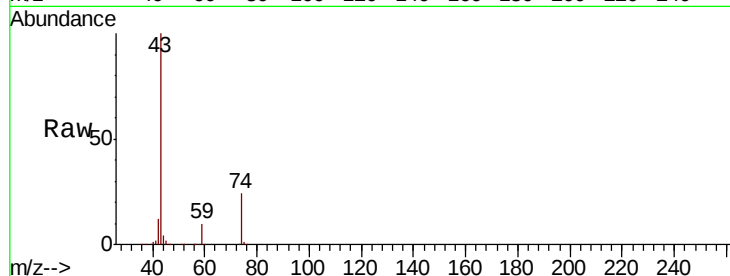




#15
Methvl Acetate
Concen: 85.295 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

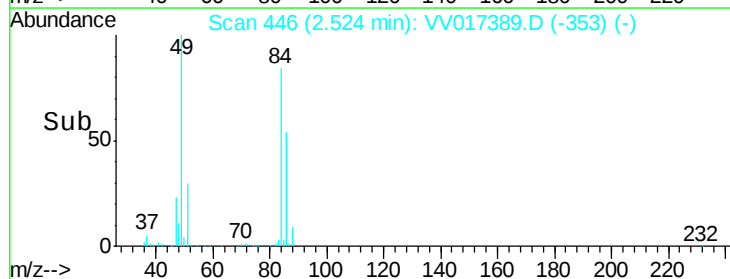
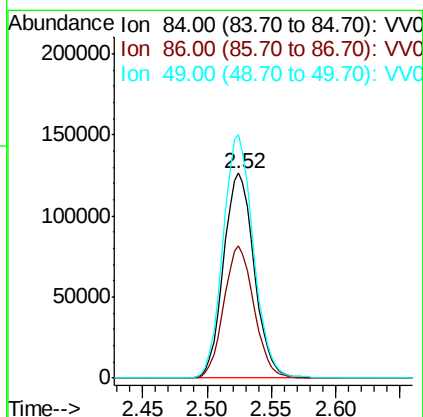
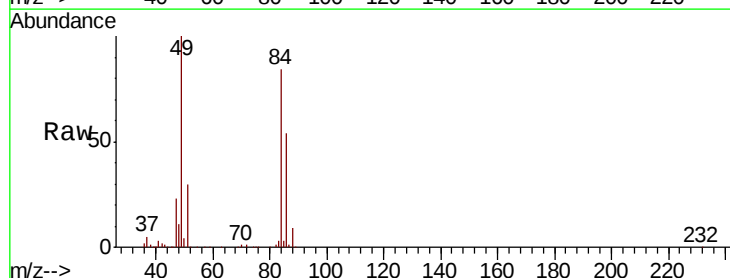
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

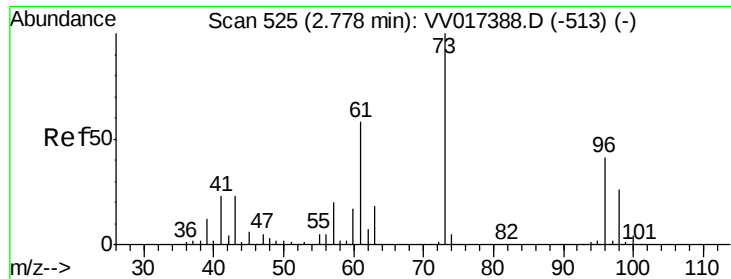
Tot Ion: 43 Resp: 202327
Ion Ratio Lower Upper
43 100
74 24.4 20.2 30.4



#16
Methylene chloride
Concen: 90.977 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

Tgt Ion: 84 Resp: 208764
Ion Ratio Lower Upper
84 100
86 64.6 46.5 86.5
49 118.7 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 92.881 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

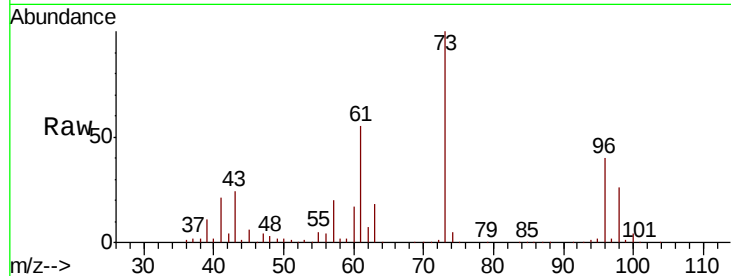
Tot Ion: 96 Resp: 199786

Ion Ratio Lower Upper

96 100

61 139.9 99.0 184.0

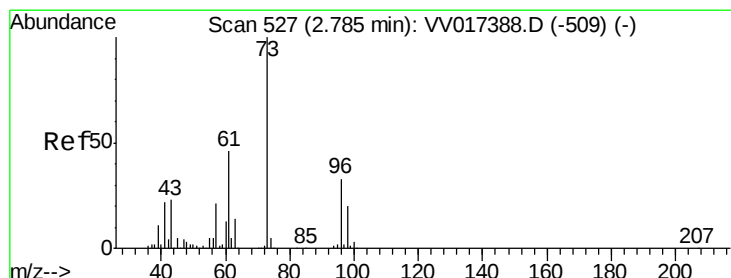
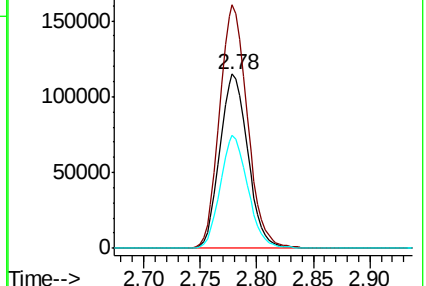
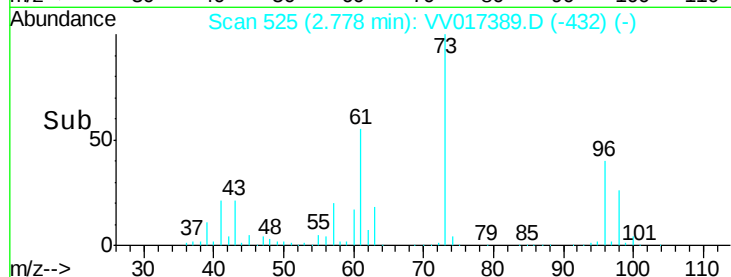
98 64.7 44.4 82.5



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: 94.955 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

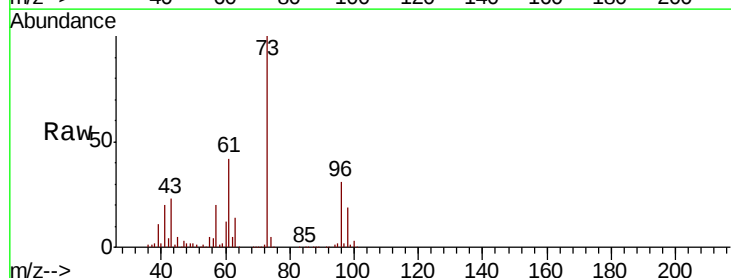
Tgt Ion: 73 Resp: 674422

Ion Ratio Lower Upper

73 100

43 23.0 18.2 27.2

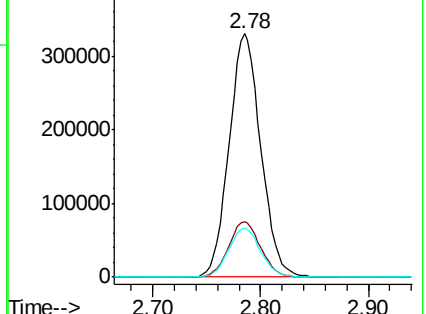
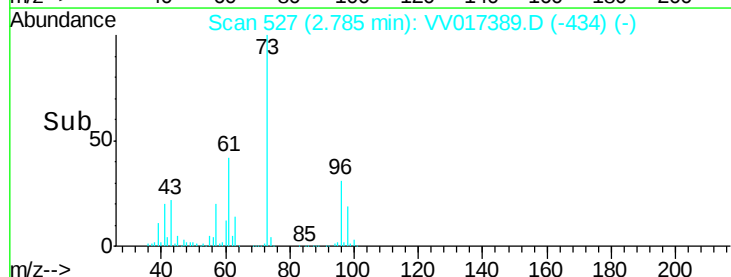
57 20.5 16.2 24.4

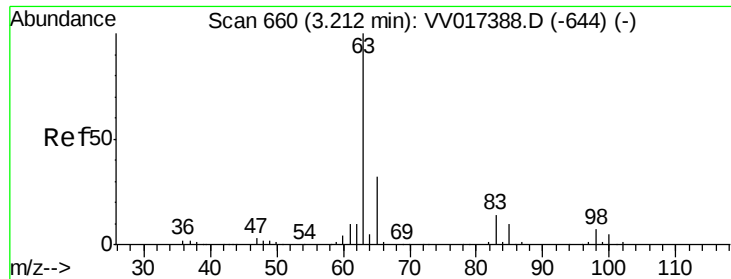


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

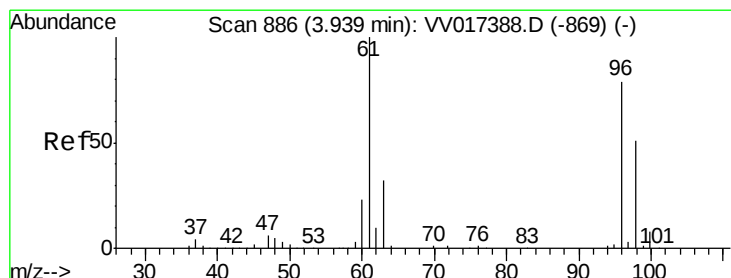
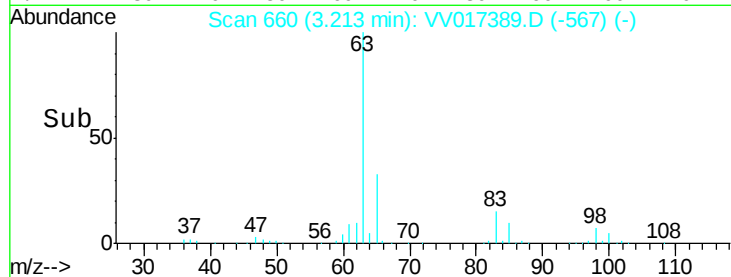
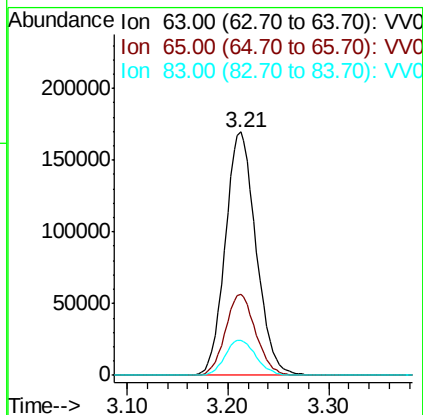
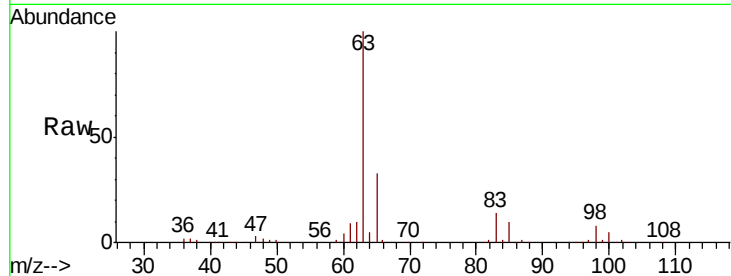




#19
 1,1-Dichloroethane
 Concen: 89.798 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV017389.D
 Acq: 08 Jul 2020 11:11

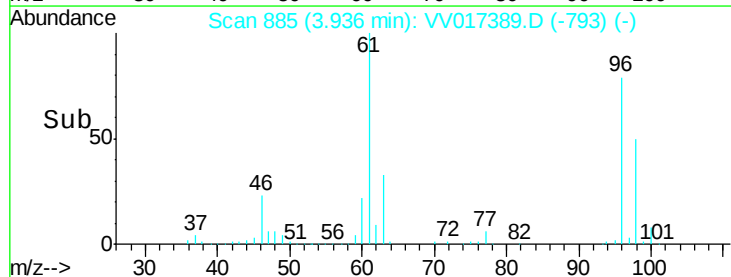
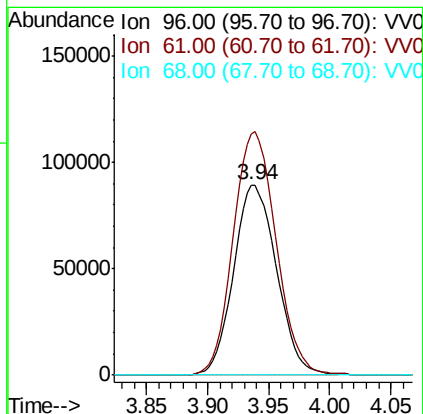
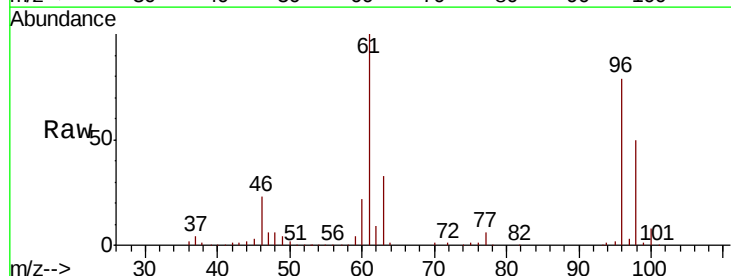
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

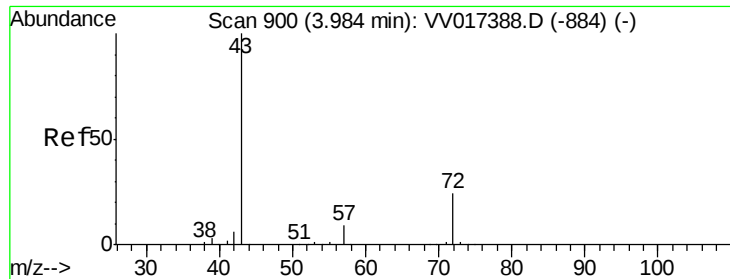
Tot Ion: 63 Resp: 359790
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.1 41.1
 83 14.5 10.1 18.9



#20
 cis-1,2-Dichloroethene
 Concen: 93.695 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017389.D
 Acq: 08 Jul 2020 11:11

Tgt Ion: 96 Resp: 218435
 Ion Ratio Lower Upper
 96 100
 61 126.7 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 178.975 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

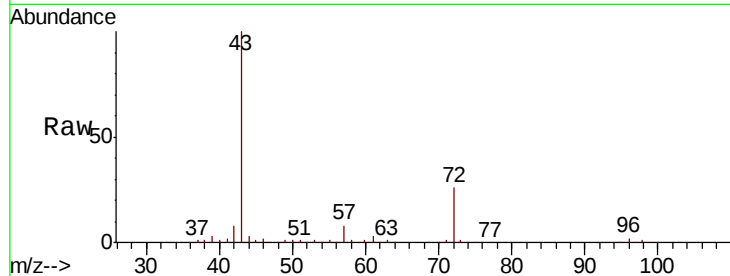
Instrument :
MSVOA_V
ClientSampled :
VSTD10061

Tot Ion: 43 Resp: 298509

Ion Ratio Lower Upper

43 100

72 27.1 11.9 35.5



Abundance Ion 43.00 (42.70 to 43.70): VV017388.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV017388.D (-884) (-)

3.99

120000

100000

80000

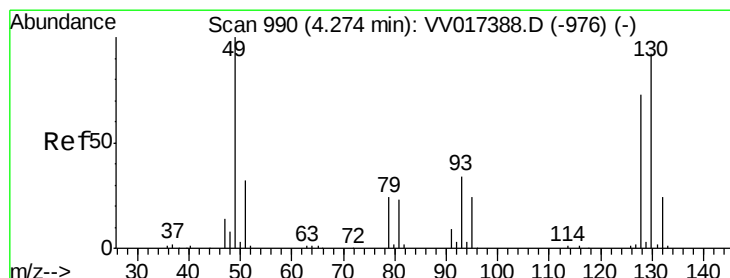
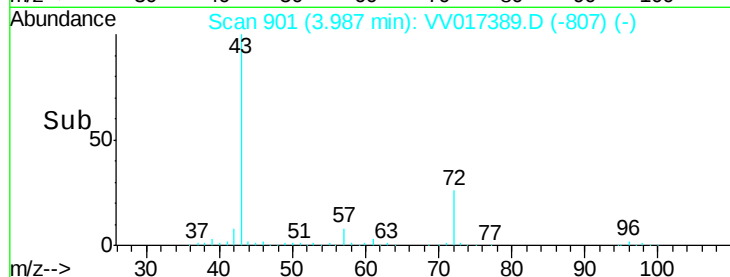
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 95.676 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Tgt Ion: 128 Resp: 118784

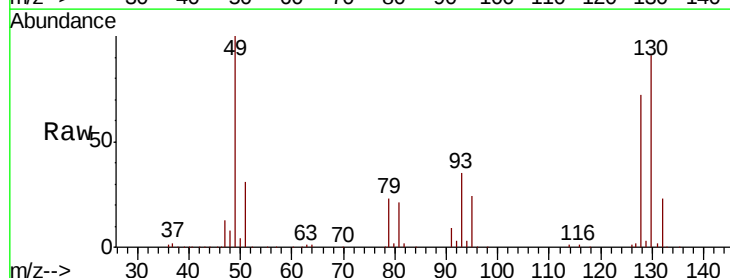
Ion Ratio Lower Upper

128 100

49 139.6 96.7 179.5

130 127.6 88.3 164.1

51 43.5 36.1 54.1



Abundance Ion 128.00 (127.70 to 128.70): VV017388.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV017388.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV017388.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV017388.D (-976) (-)

100000

80000

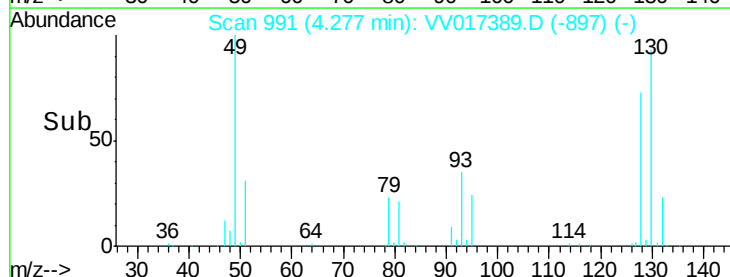
60000

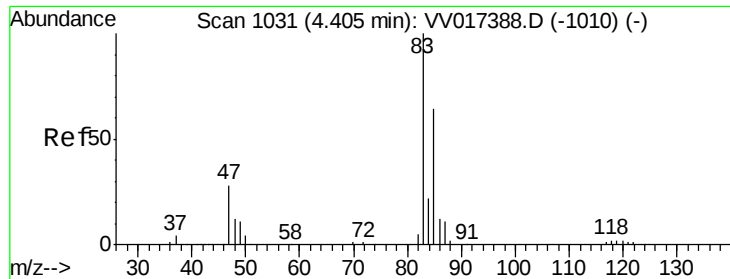
40000

20000

0

Time-->

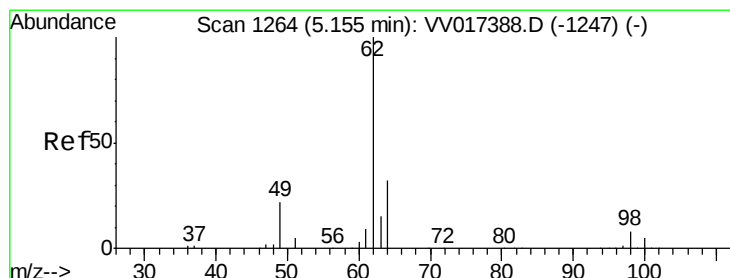
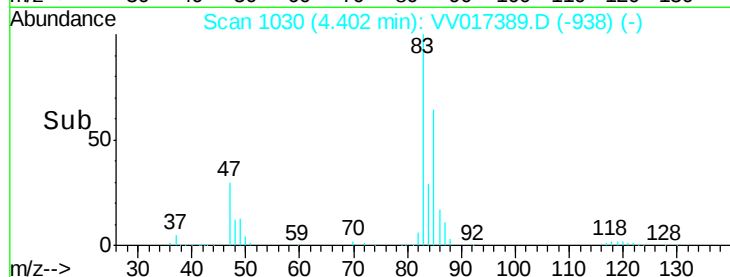
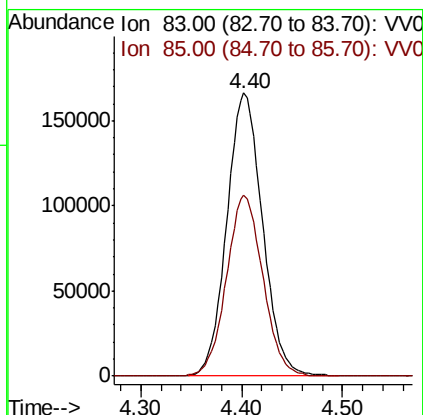
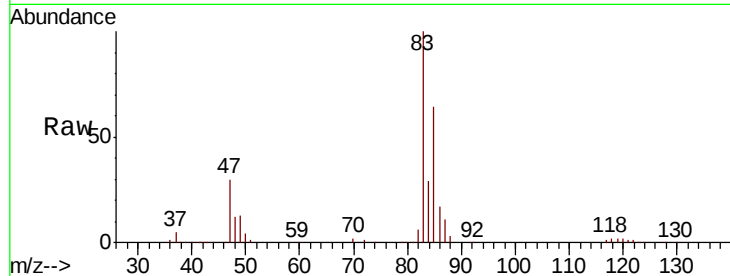




#25
Chloroform
Concen: 97.669 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

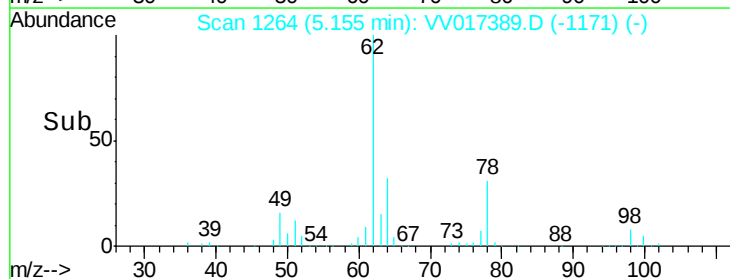
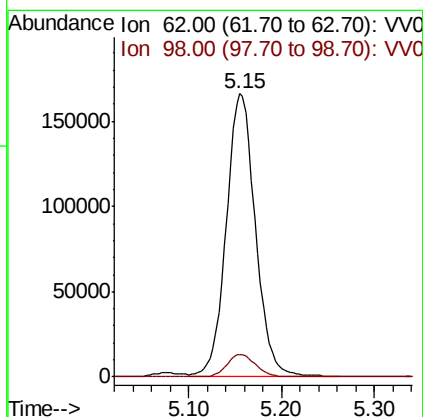
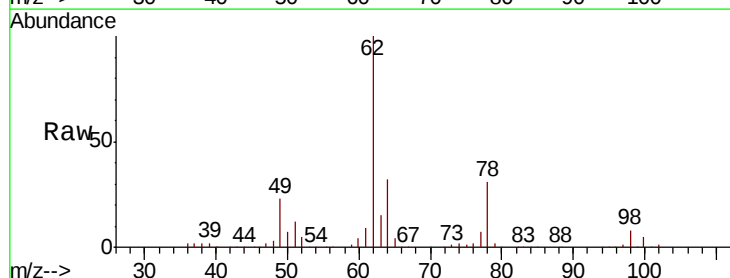
Instrument :
MSVOA_V
ClientSampled :
VSTD10061

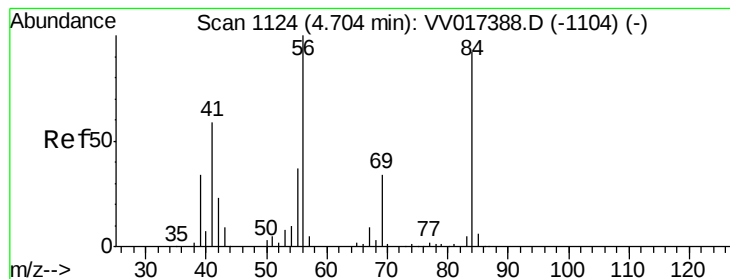
Tot Ion: 83 Resp: 409791
Ion Ratio Lower Upper
83 100
85 64.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 101.669 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

Tgt Ion: 62 Resp: 361308
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#29

Cyclohexane

Concen: 82.761 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

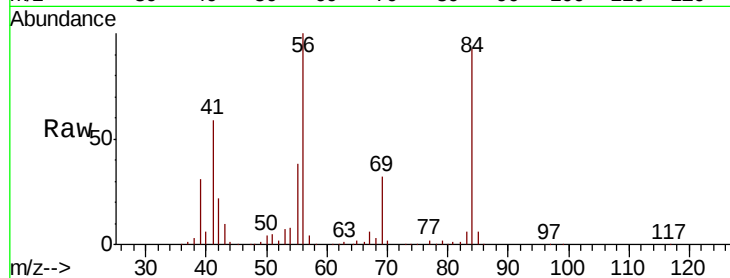
Tot Ion: 56 Resp: 313072

Ion Ratio Lower Upper

56 100

69 32.9 27.0 40.4

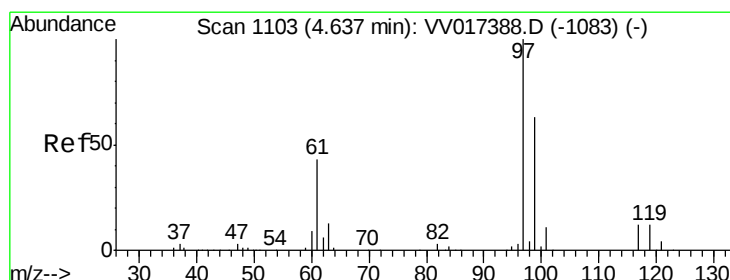
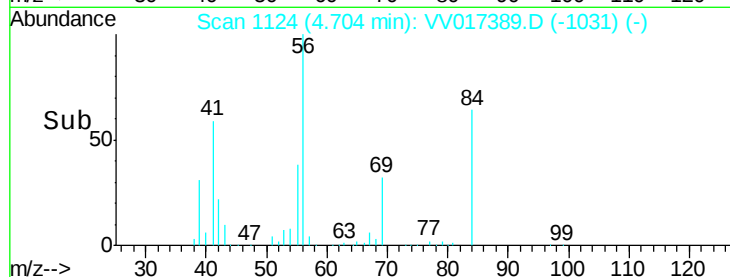
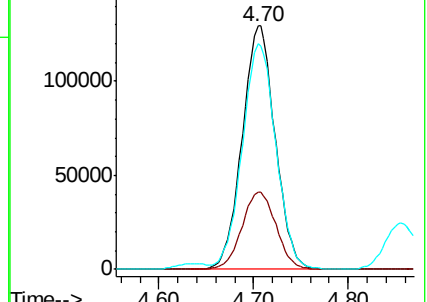
84 94.5 77.4 116.0



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 100.498 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

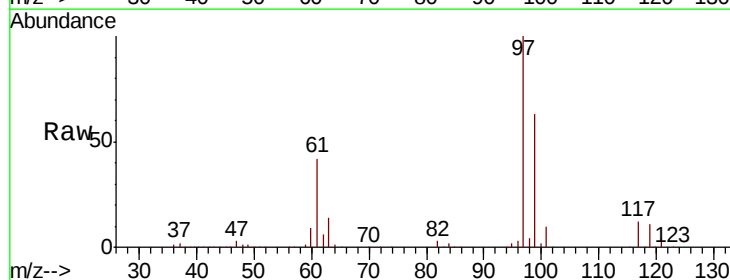
Tgt Ion: 97 Resp: 409472

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

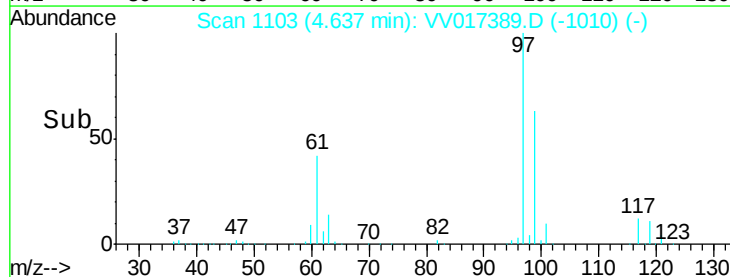
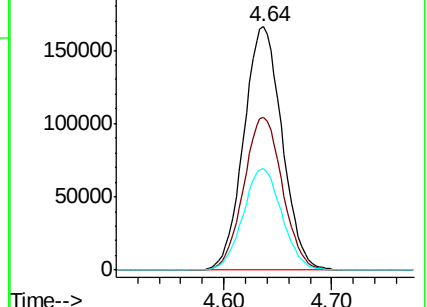
61 42.3 34.1 51.1

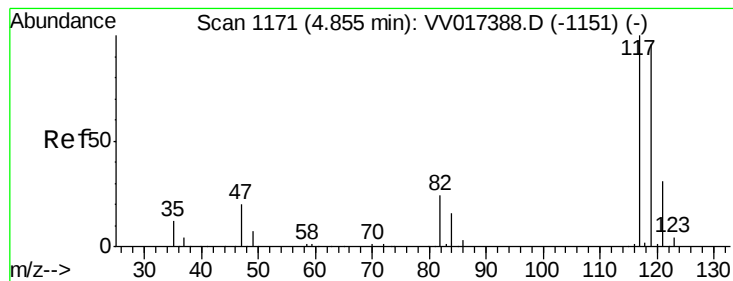


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 105.444 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

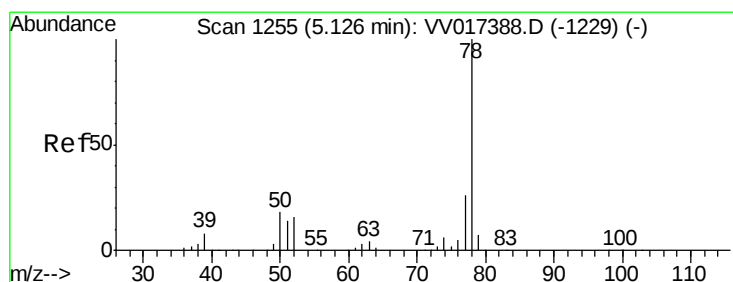
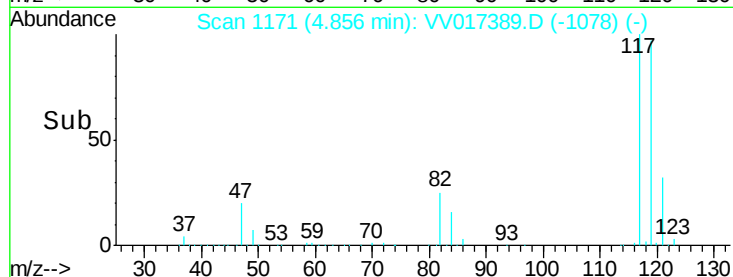
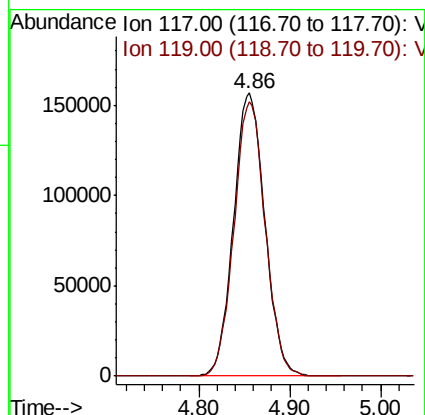
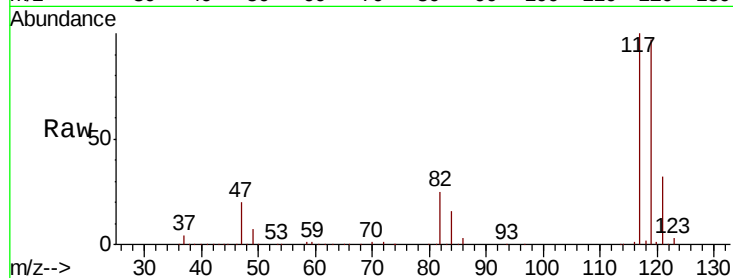
VSTD10061

Tot Ion:117 Resp: 375365

Ion Ratio Lower Upper

117 100

119 96.5 77.4 116.0



#33

Benzene

Concen: 86.538 ug/L

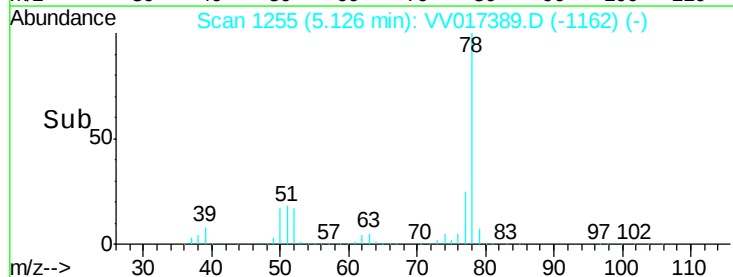
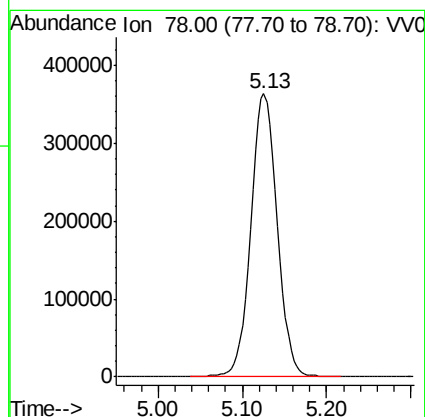
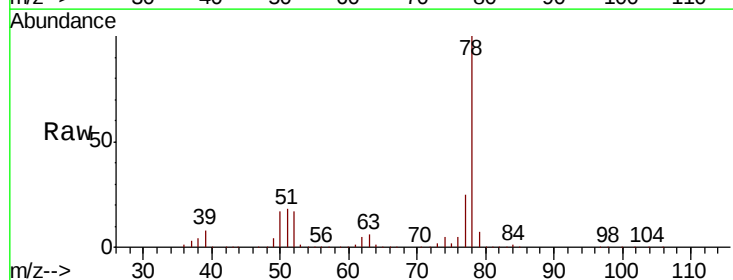
RT: 5.13 min Scan# 1255

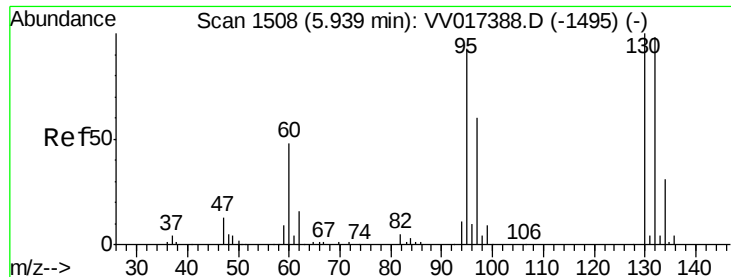
Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Tgt Ion: 78 Resp: 788150





#34

Trichloroethene

Concen: 90.391 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

Tot Ion: 95 Resp: 224390

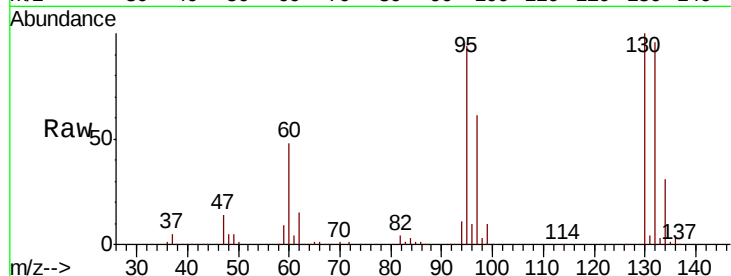
Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.6

132 102.1 74.1 137.5

130 105.9 75.5 140.3

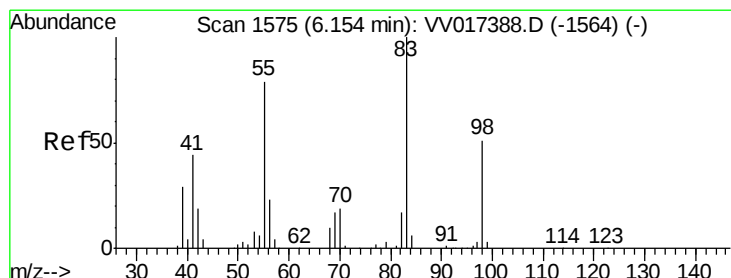
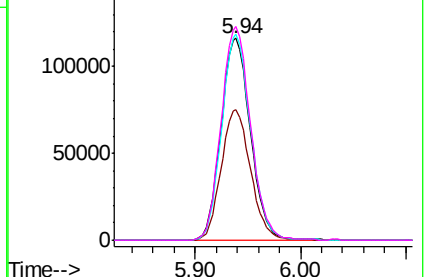
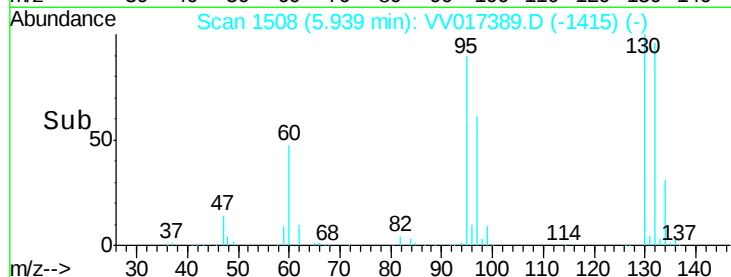


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 89.484 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

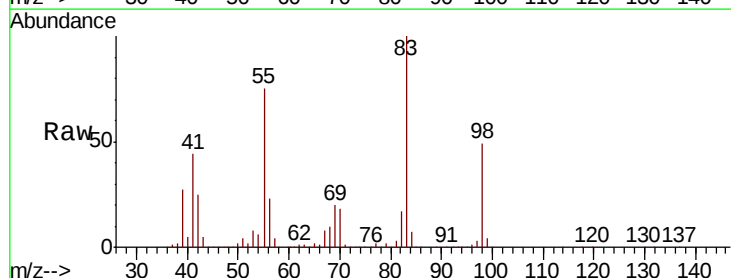
Tgt Ion: 83 Resp: 346703

Ion Ratio Lower Upper

83 100

55 75.2 61.0 91.6

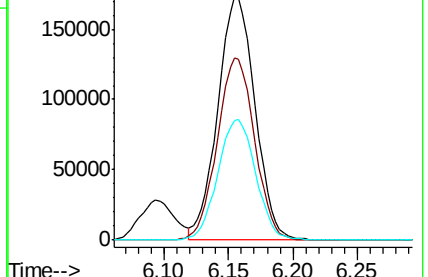
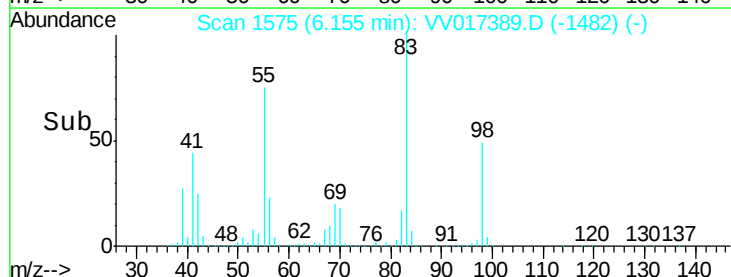
98 50.7 41.3 61.9

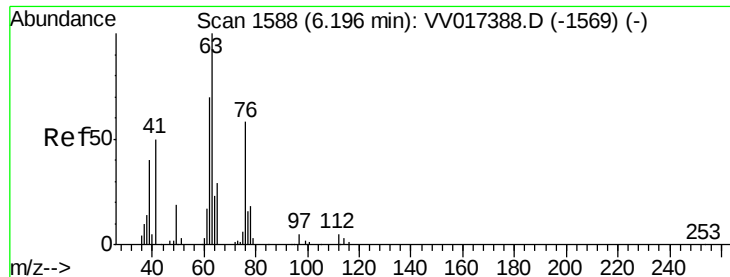


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 80.893 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampled :

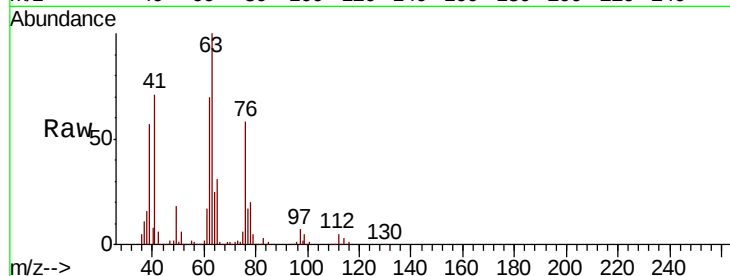
VSTD10061

Tot Ion: 63 Resp: 189233

Ion Ratio Lower Upper

63 100

112 5.4 4.4 6.6



Abundance Ion 63.00 (62.70 to 63.70): VV017388.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV017388.D (-1569) (-)

6.20

100000

80000

60000

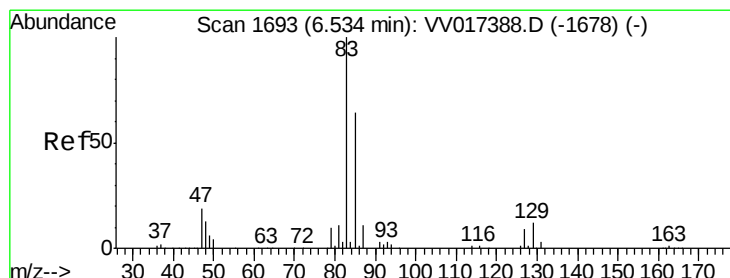
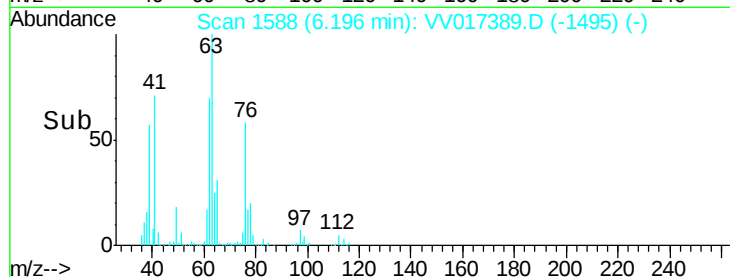
40000

20000

0

6.10 6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 98.501 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

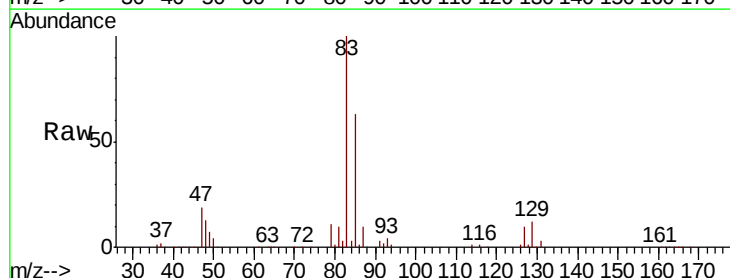
Tgt Ion: 83 Resp: 317475

Ion Ratio Lower Upper

83 100

85 62.7 44.6 82.8

127 9.6 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV017388.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV017388.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV017388.D (-1678) (-)

6.53

200000

150000

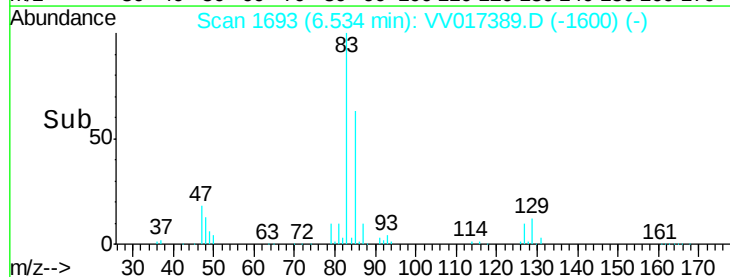
100000

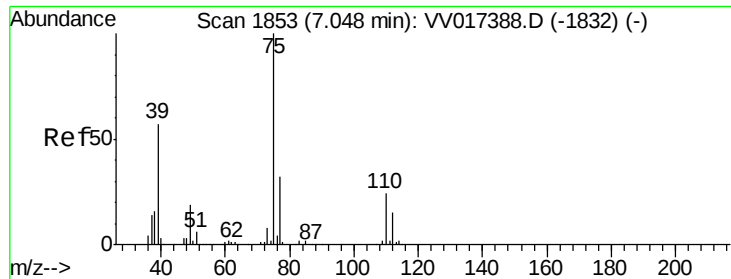
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->

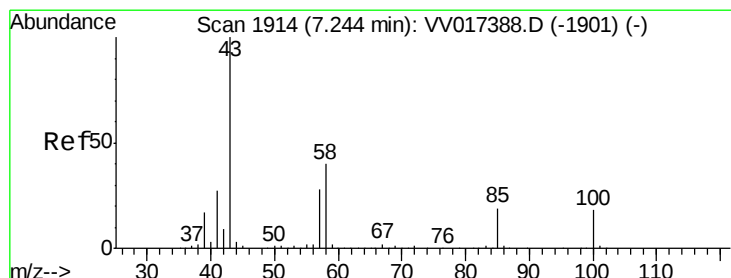
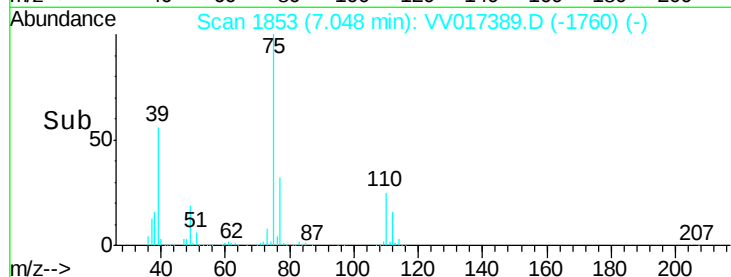
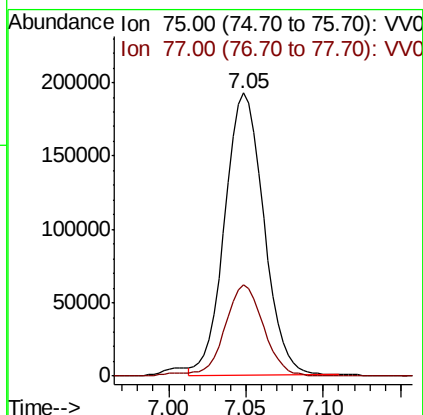
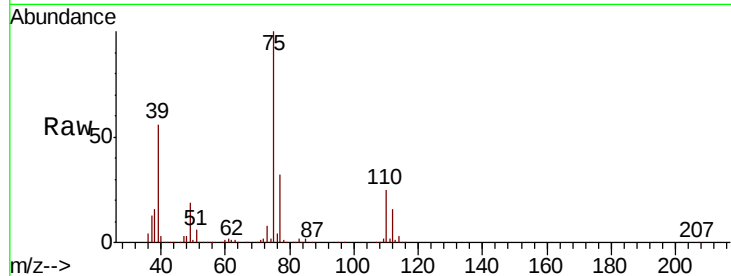




#39
 cis-1,3-Dichloropropene
 Concen: 91.215 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017389.D
 Acq: 08 Jul 2020 11:11

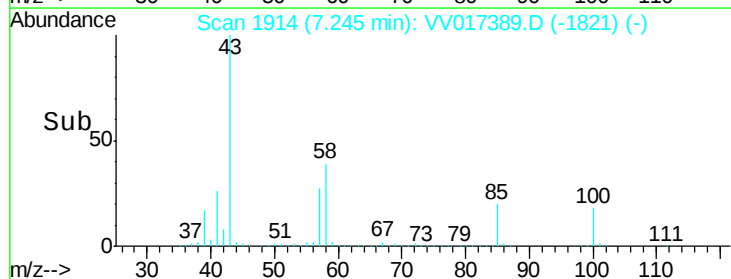
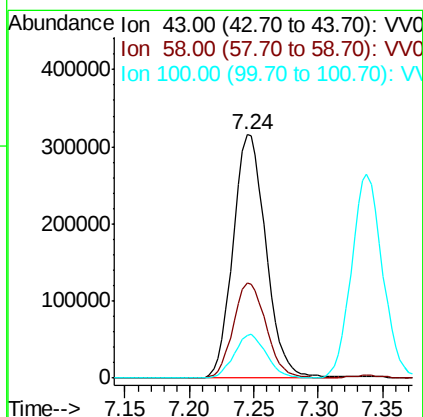
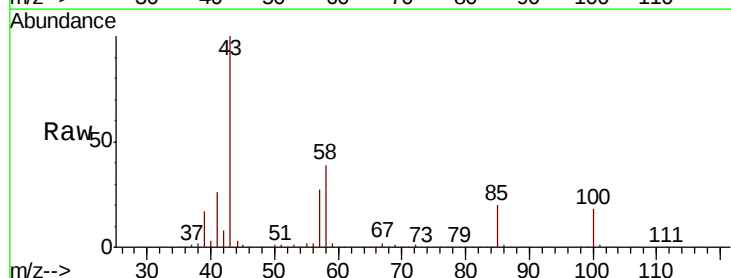
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

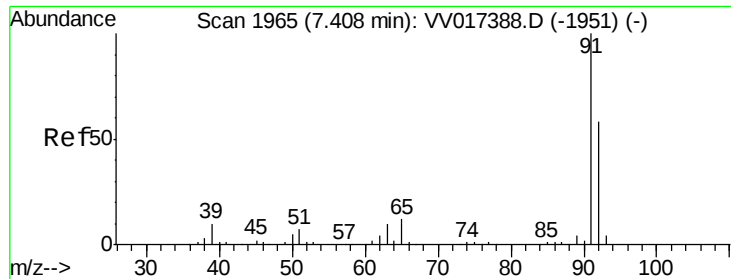
Tot Ion: 75 Resp: 338005
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 170.718 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017389.D
 Acq: 08 Jul 2020 11:11

Tgt Ion: 43 Resp: 560154
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.2 48.4
 100 17.6 14.1 21.1





#42

Toluene

Concen: 92.075 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

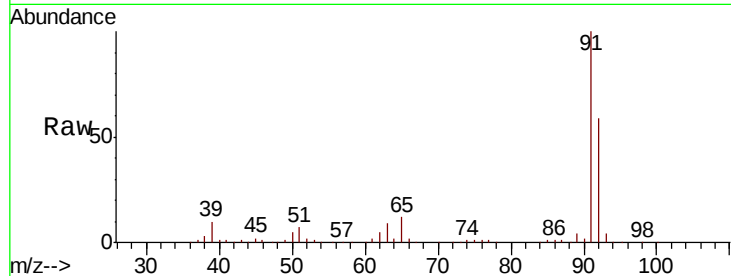
VSTD10061

Tot Ion: 91 Resp: 893518

Ion Ratio Lower Upper

91 100

92 58.8 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

600000

500000

400000

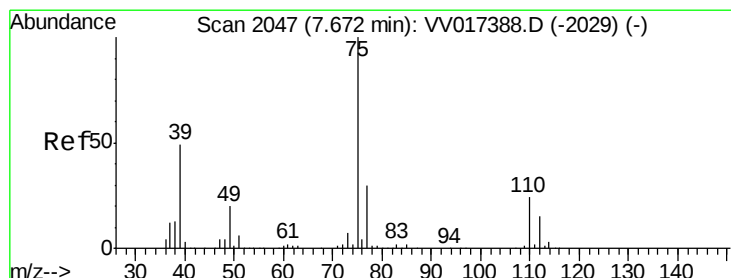
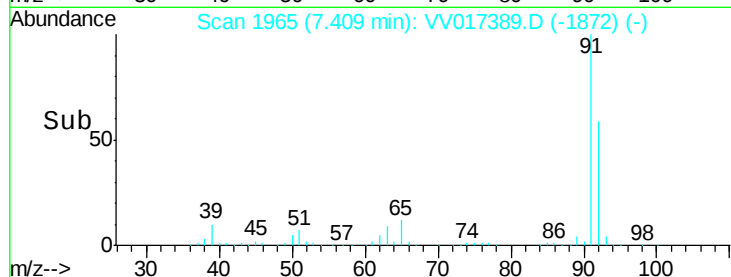
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 98.590 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV017389.D

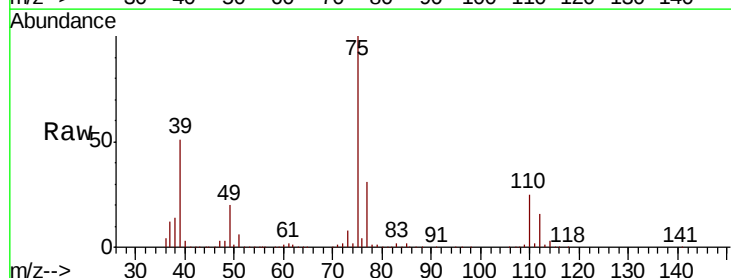
Acq: 08 Jul 2020 11:11

Tgt Ion: 75 Resp: 358140

Ion Ratio Lower Upper

75 100

77 31.4 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

200000

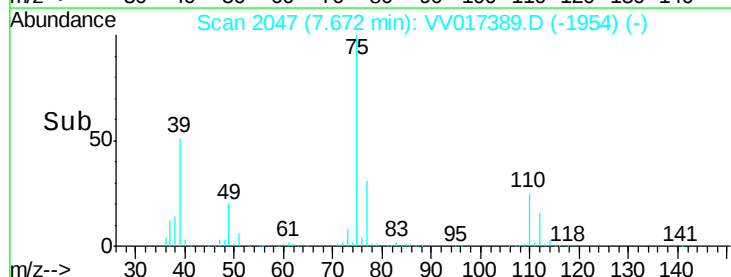
150000

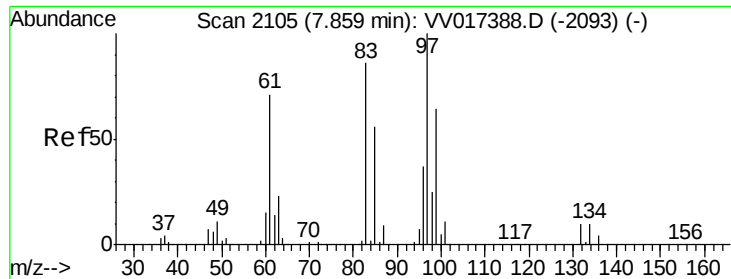
100000

50000

0

Time--> 7.60 7.70

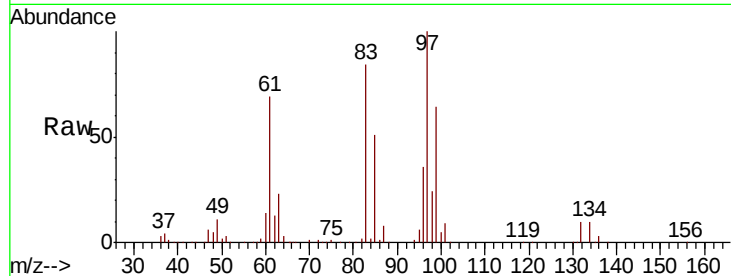




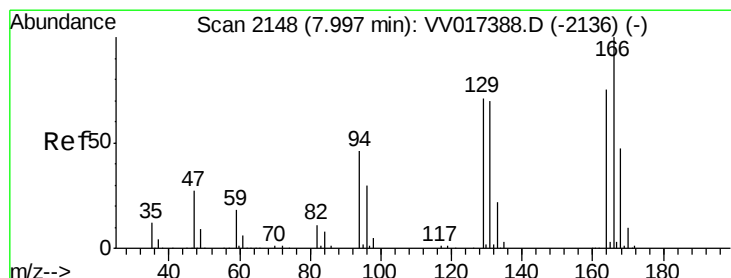
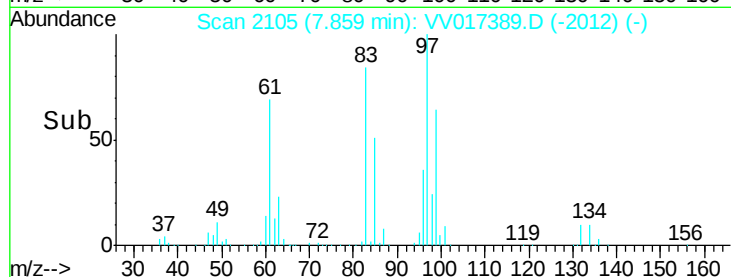
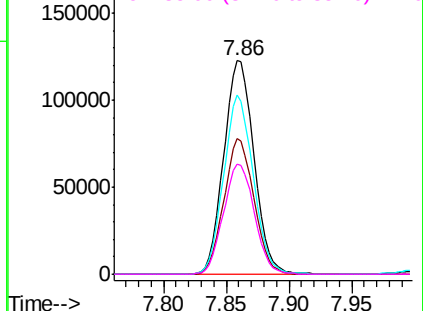
#45
1,1,2-Trichloroethane
Concen: 89.355 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Tot Ion:	97	Resp:	205323
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.6	82.8
83	83.7	60.1	111.7
85	51.4	39.0	72.4

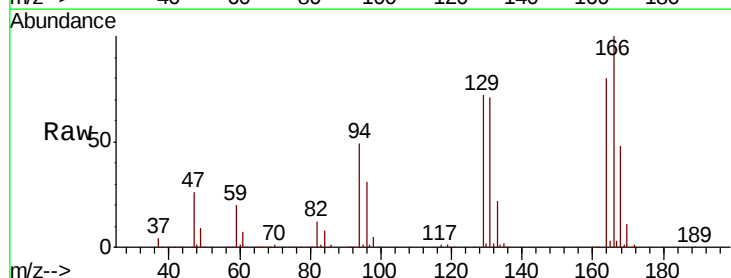


Abundance Ion 97.00 (96.70 to 97.70): VV017389.D (-2012) (-)

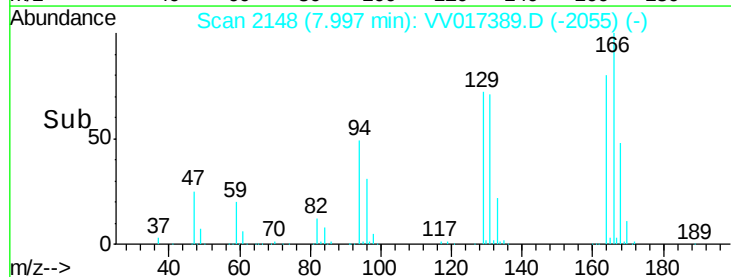
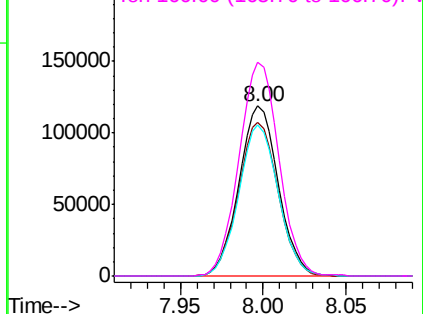


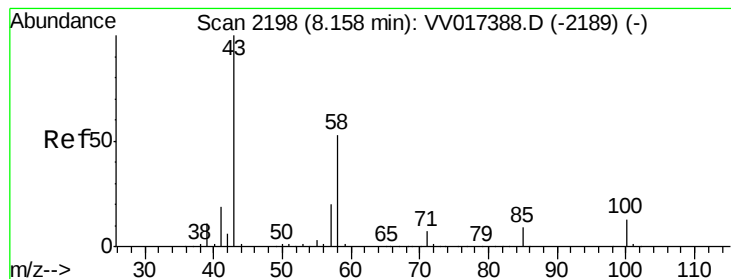
#46
Tetrachloroethene
Concen: 98.990 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

Tgt Ion:	164	Resp:	195821
Ion	Ratio	Lower	Upper
164	100		
129	90.5	66.6	123.8
131	88.8	65.5	121.7
166	125.7	93.9	174.5



Abundance Ion 164.00 (163.70 to 164.70): VV017389.D (-2055) (-)





#48

2-Hexanone

Concen: 171.912 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

Tot Ion: 43 Resp: 443457

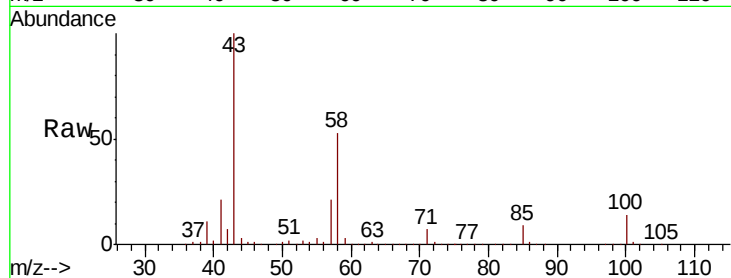
Ion Ratio Lower Upper

43 100

58 53.4 42.6 64.0

57 20.3 16.2 24.4

100 14.4 10.9 16.3

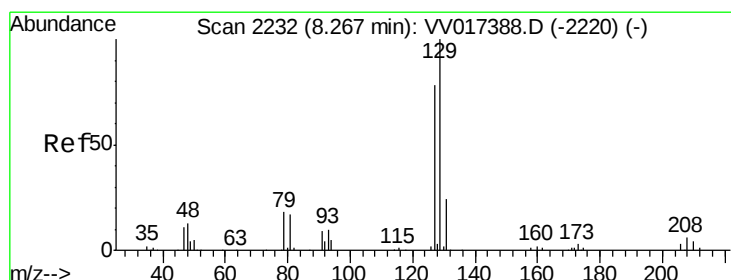
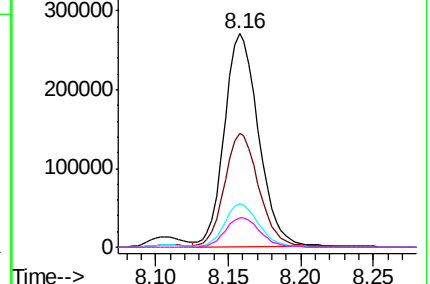
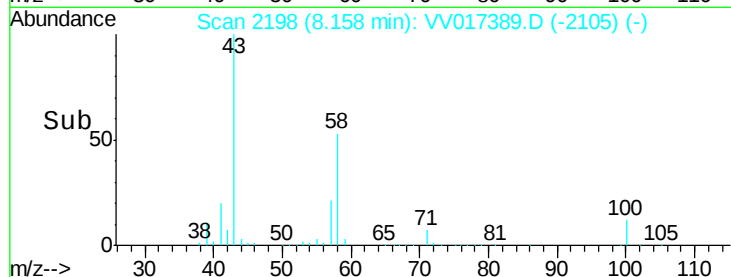


Abundance Ion 43.00 (42.70 to 43.70): VV017389.D (-2198) (-)

Ion 58.00 (57.70 to 58.70): VV017389.D (-2198) (-)

Ion 57.00 (56.70 to 57.70): VV017389.D (-2198) (-)

Ion 100.00 (99.70 to 100.70): VV017389.D (-2198) (-)



#49

Dibromochloromethane

Concen: 104.843 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017389.D

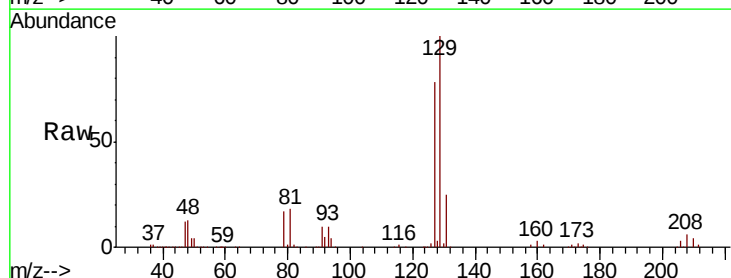
Acq: 08 Jul 2020 11:11

Tgt Ion: 129 Resp: 265732

Ion Ratio Lower Upper

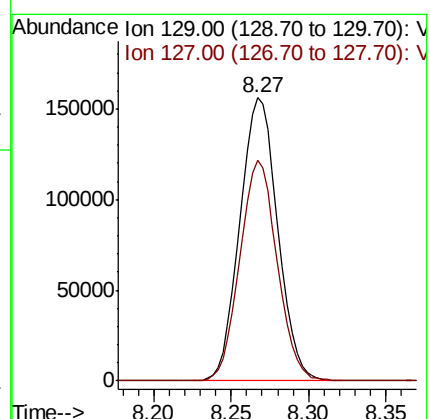
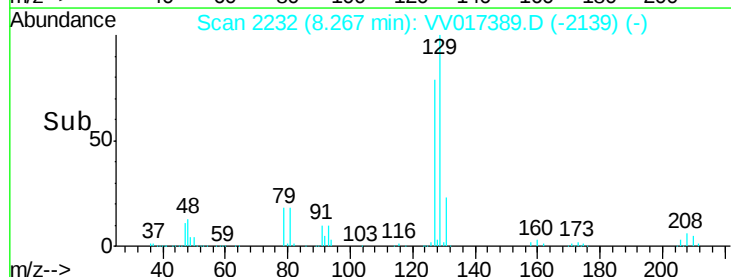
129 100

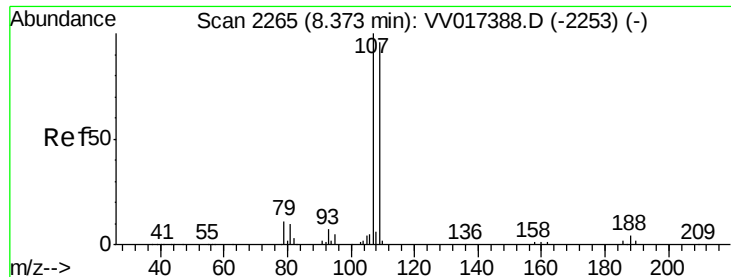
127 78.0 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV017389.D (-2232) (-)

Ion 127.00 (126.70 to 127.70): VV017389.D (-2232) (-)

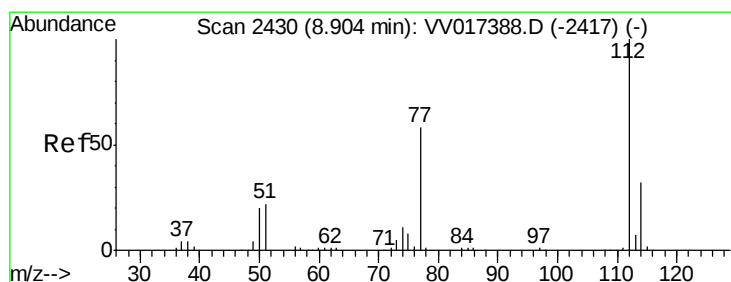
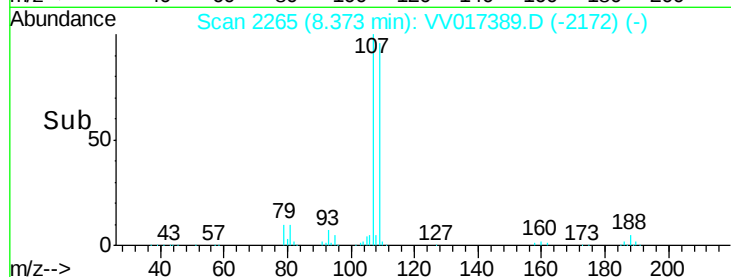
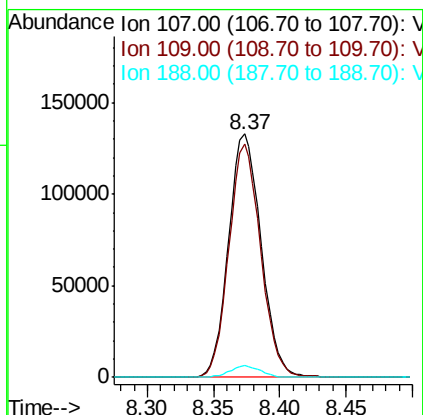
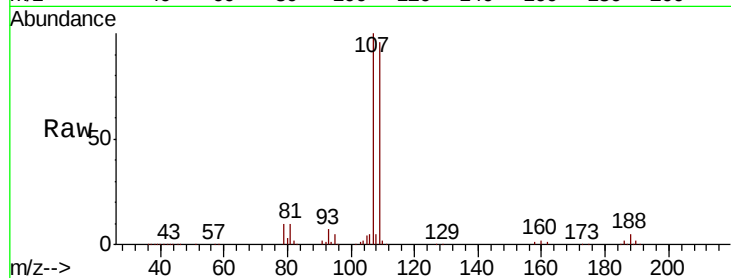




#50
1,2-Dibromoethane
Concen: 93.556 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

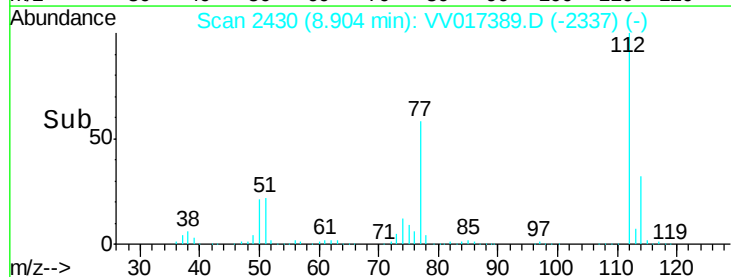
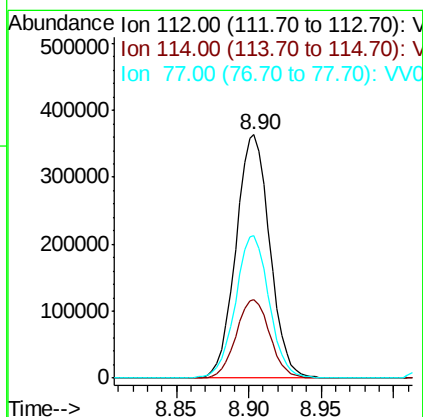
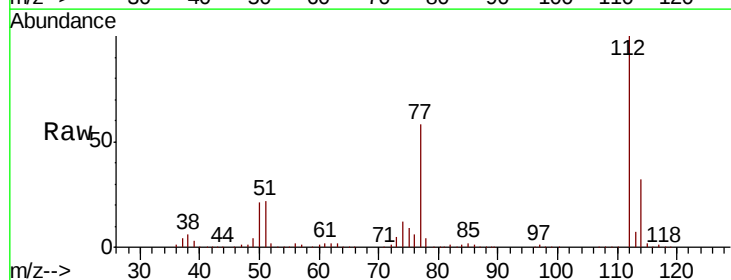
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

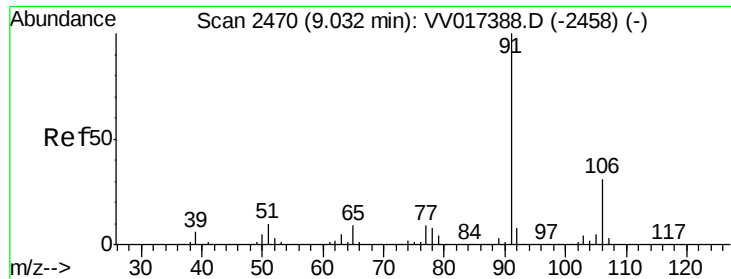
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	67.3	125.1
188	4.7	3.5	5.3



#51
Chlorobenzene
Concen: 92.517 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017389.D
Acq: 08 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.7	42.1
77	58.4	46.7	70.1





#52

Ethylbenzene

Concen: 96.446 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

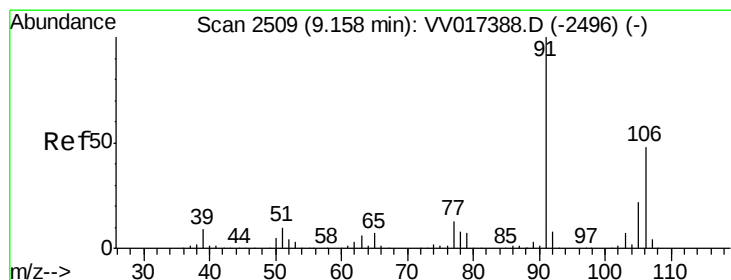
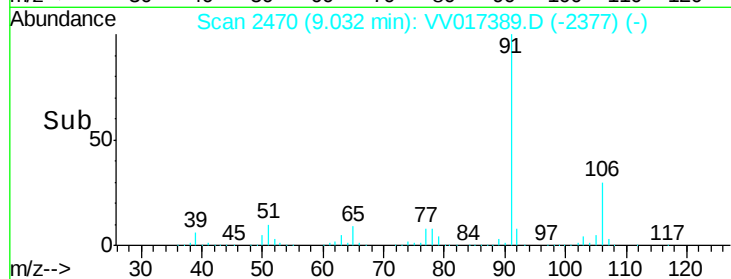
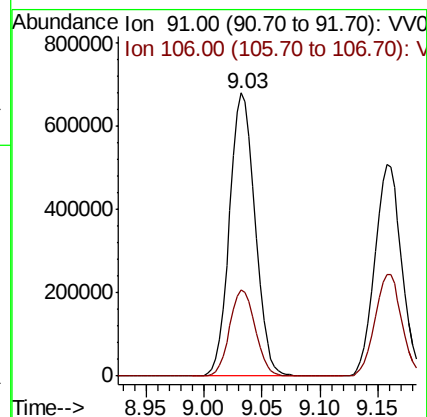
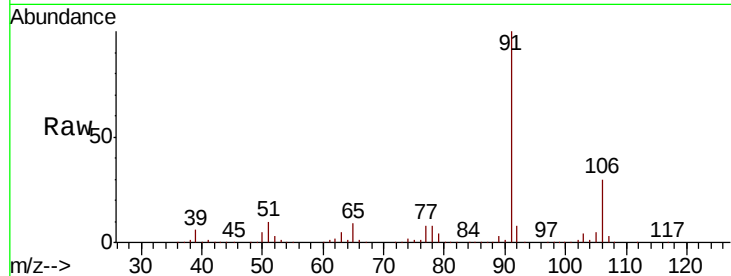
VSTD10061

Tot Ion: 91 Resp: 1039437

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.6



#53

m,p-Xylene

Concen: 97.867 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017389.D

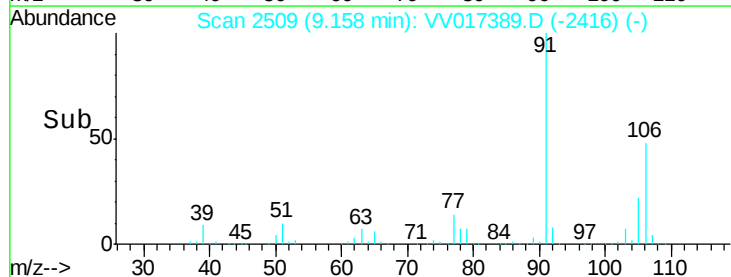
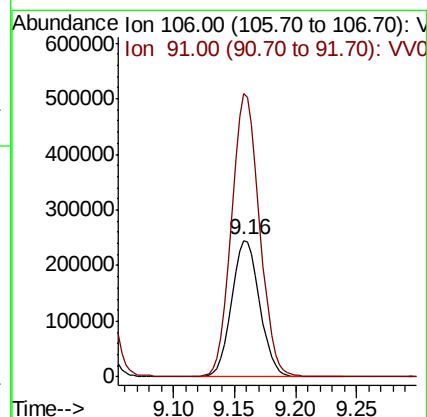
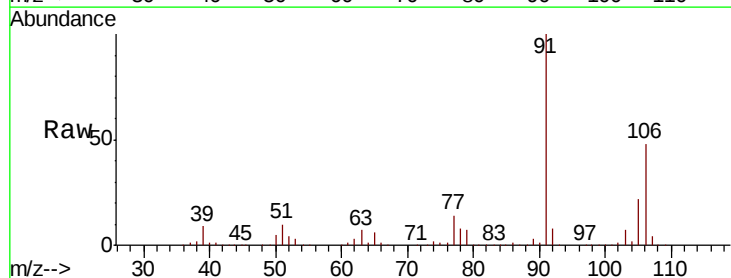
Acq: 08 Jul 2020 11:11

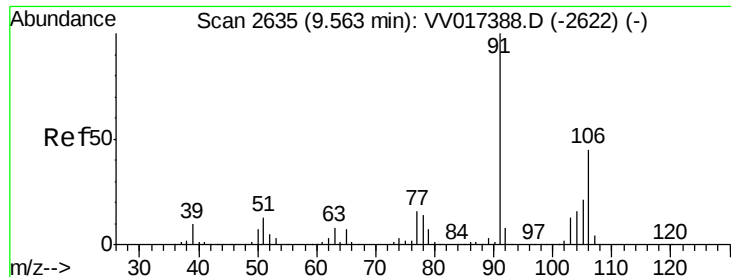
Tgt Ion: 106 Resp: 393775

Ion Ratio Lower Upper

106 100

91 207.9 146.4 271.8





#54

o-xylene

Concen: 95.927 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

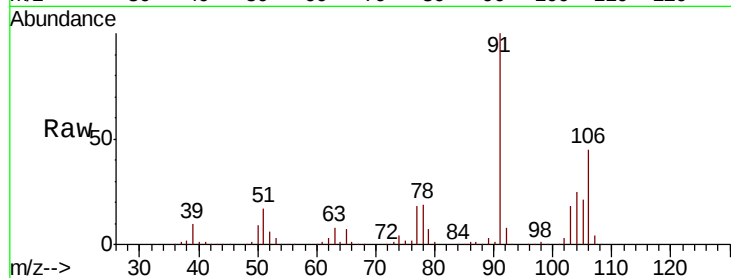
Instrument :
MSVOA_V
ClientSampleId :
VSTD10061

Tot Ion:106 Resp: 380348

Ion Ratio Lower Upper

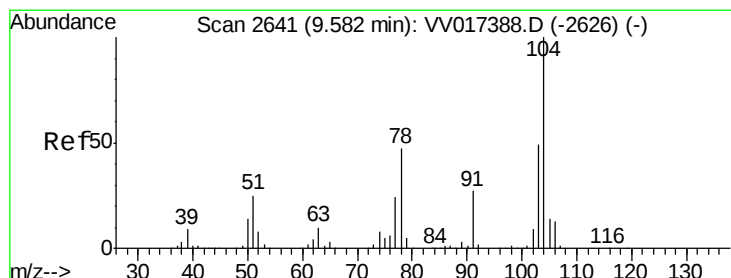
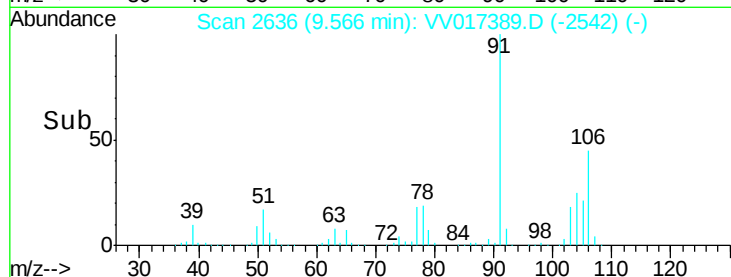
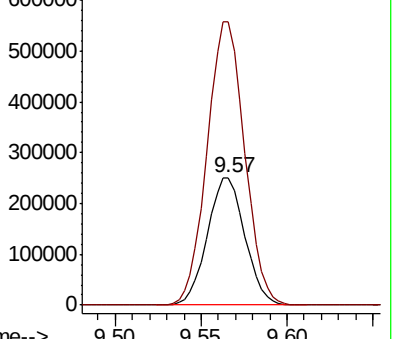
106 100

91 222.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 98.918 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV017389.D

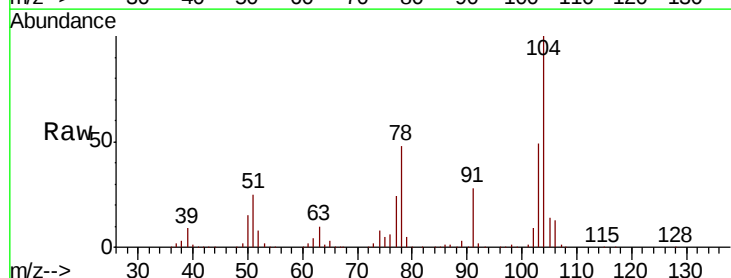
Acq: 08 Jul 2020 11:11

Tgt Ion:104 Resp: 664884

Ion Ratio Lower Upper

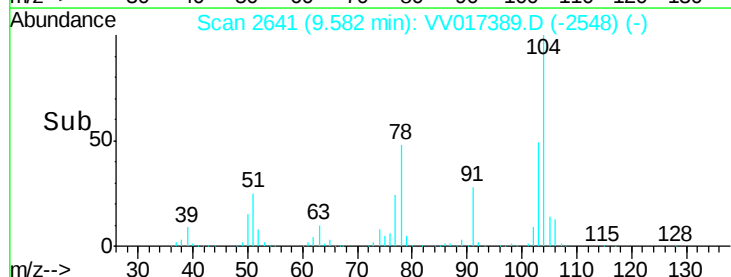
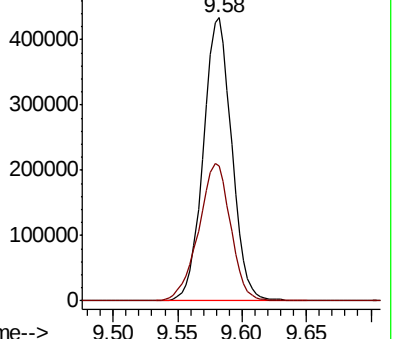
104 100

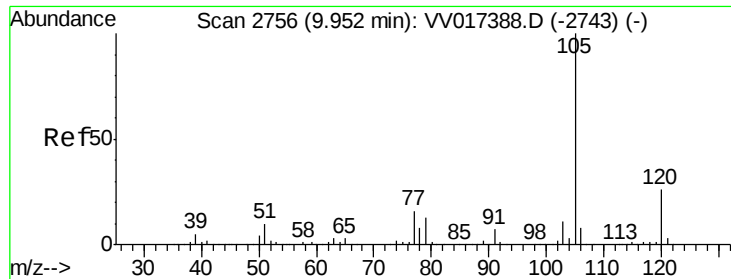
78 47.7 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 99.631 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

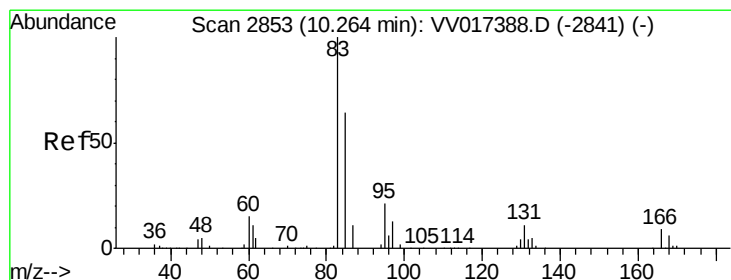
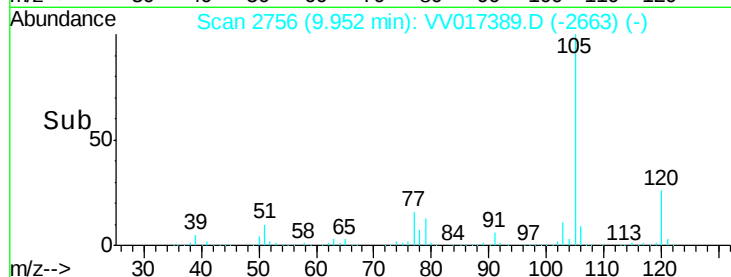
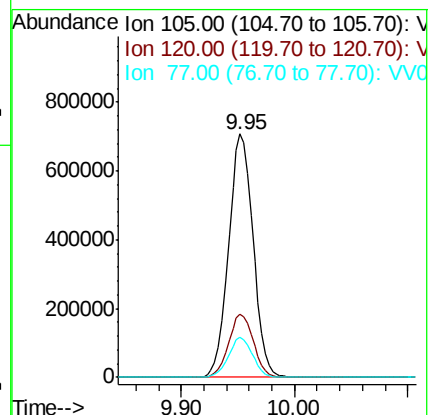
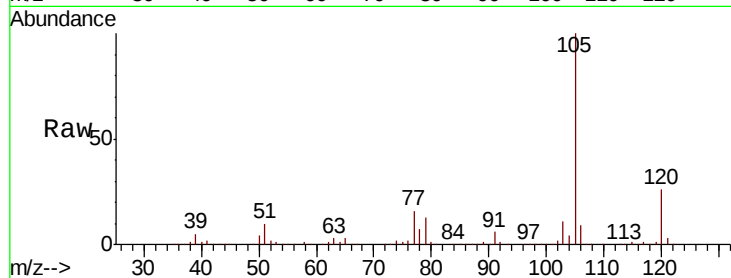
Tot Ion:105 Resp: 1065413

Ion Ratio Lower Upper

105 100

120 26.3 21.1 31.7

77 16.2 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 89.139 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

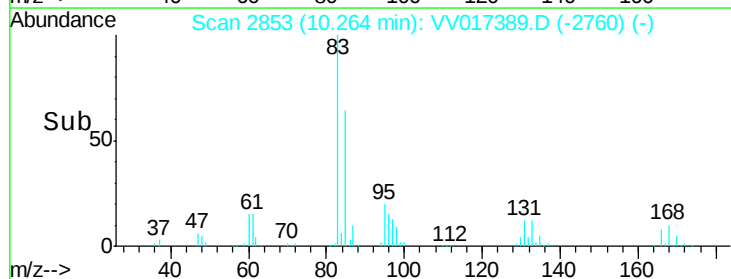
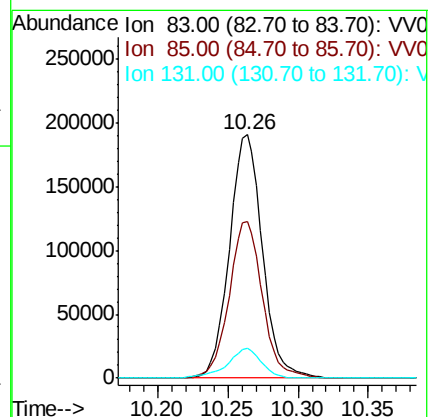
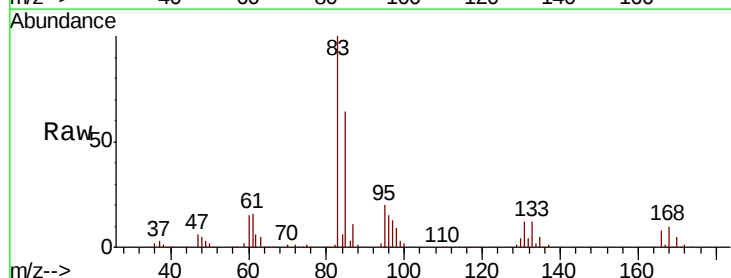
Tgt Ion: 83 Resp: 311871

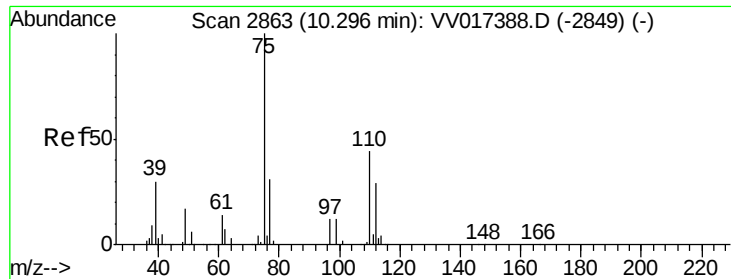
Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

131 12.2 9.4 14.2





#59

1,2,3-Trichloropropane

Concen: 89.725 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

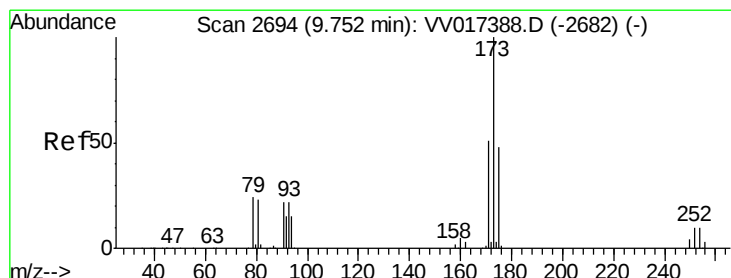
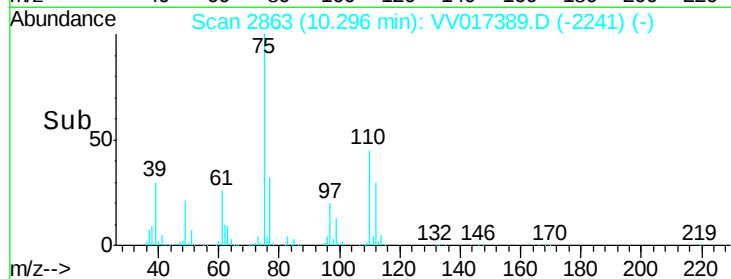
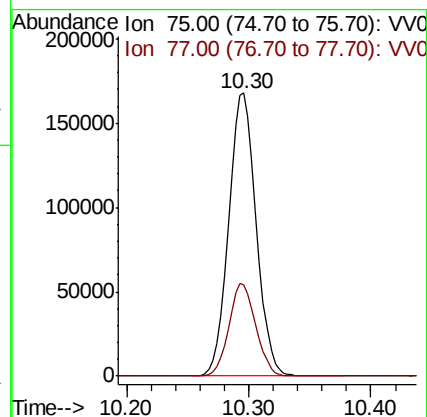
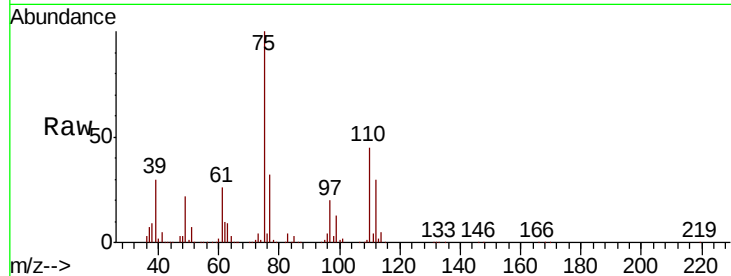
VSTD10061

Tot Ion: 75 Resp: 265046

Ion Ratio Lower Upper

75 100

77 32.2 26.5 39.7



#61

Bromoform

Concen: 112.877 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

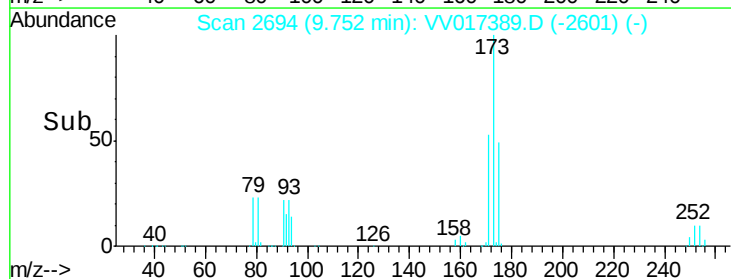
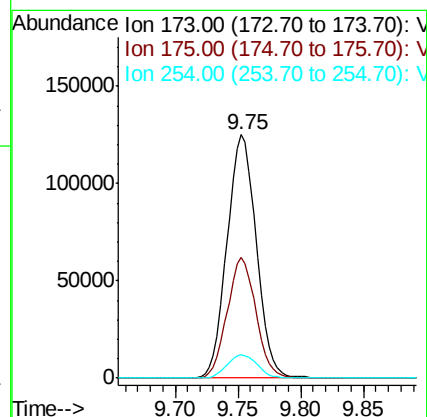
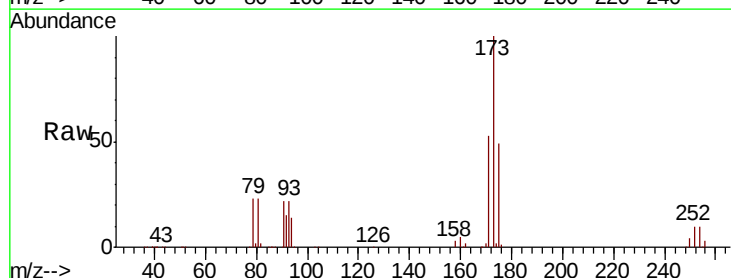
Tgt Ion: 173 Resp: 202599

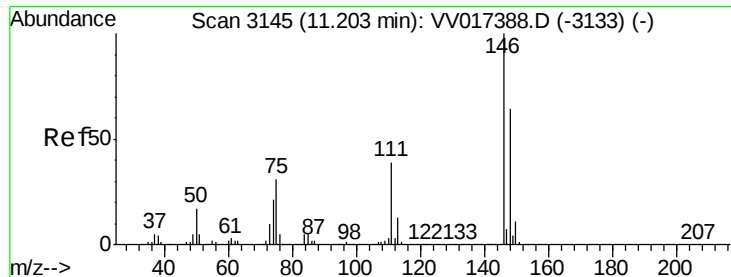
Ion Ratio Lower Upper

173 100

175 48.6 38.1 57.1

254 9.9 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 95.395 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

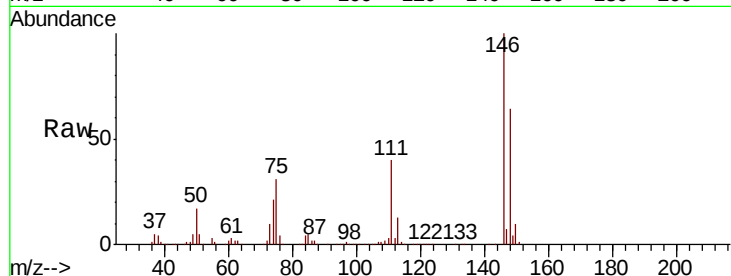
Tot Ion:146 Resp: 511429

Ion Ratio Lower Upper

146 100

111 40.0 27.2 50.6

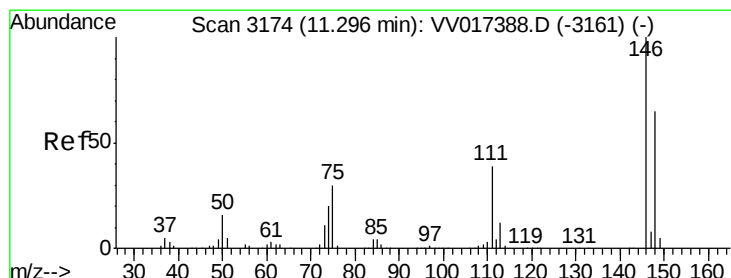
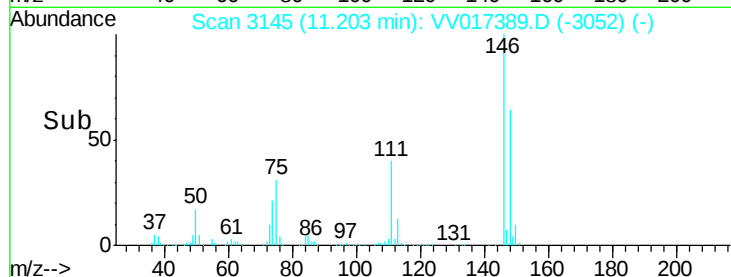
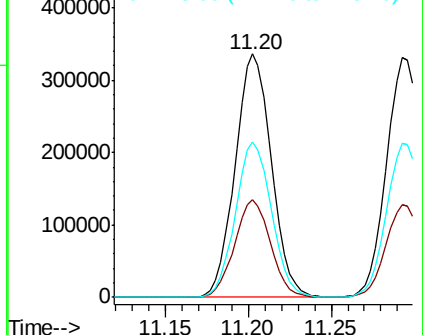
148 64.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 93.589 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

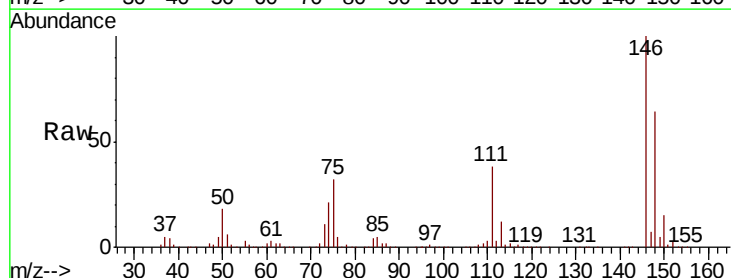
Tgt Ion:146 Resp: 508669

Ion Ratio Lower Upper

146 100

111 38.4 27.2 50.4

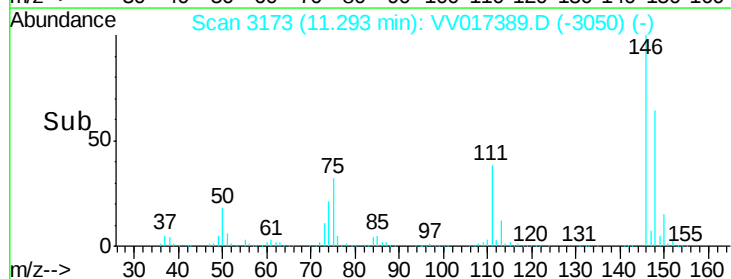
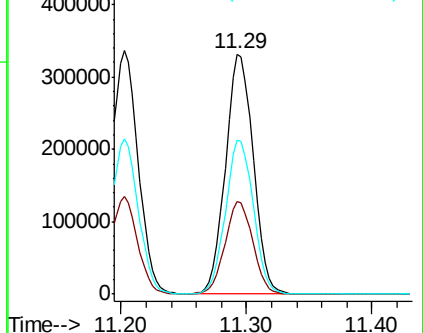
148 64.2 45.4 84.4

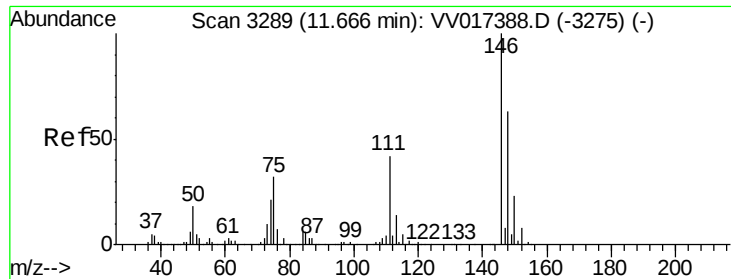


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 95.080 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

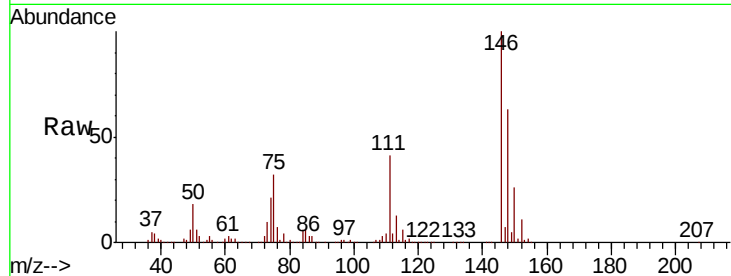
Tot Ion:146 Resp: 508179

Ion Ratio Lower Upper

146 100

111 41.4 33.5 50.3

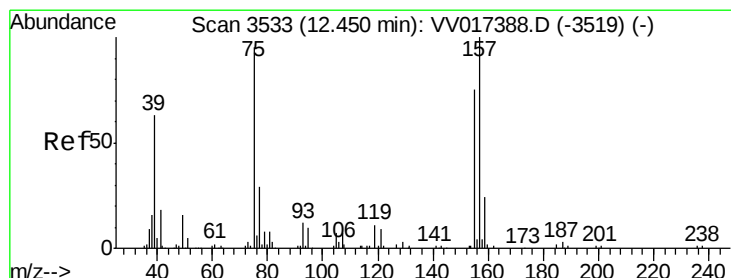
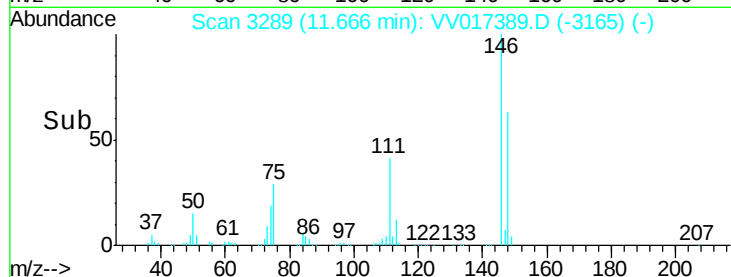
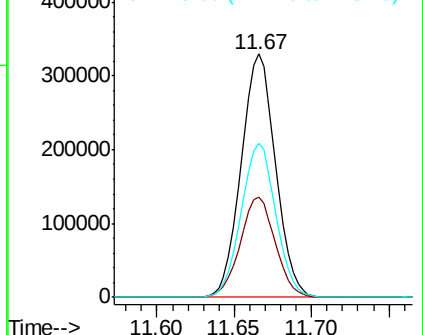
148 63.3 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 102.220 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

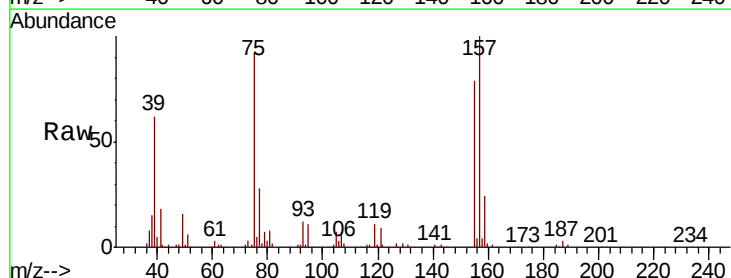
Tgt Ion: 75 Resp: 86913

Ion Ratio Lower Upper

75 100

155 86.5 63.4 95.2

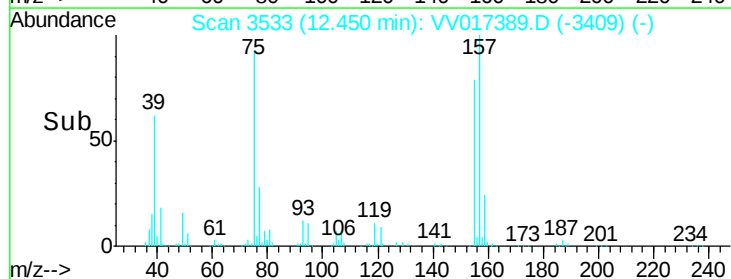
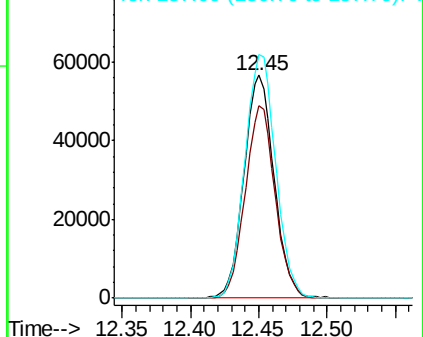
157 109.2 84.5 126.7

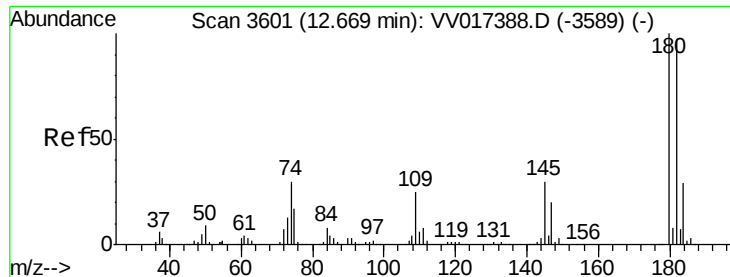


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

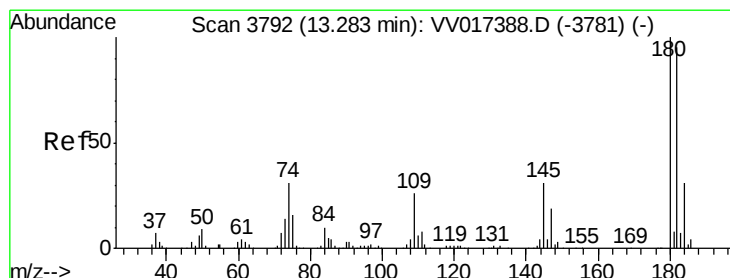
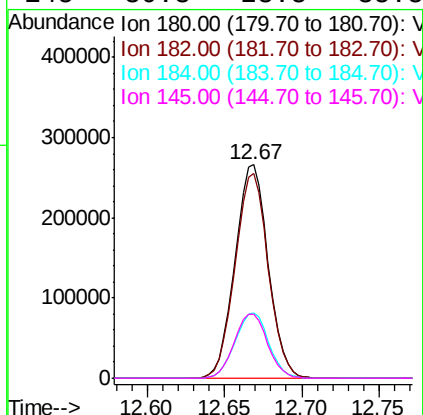
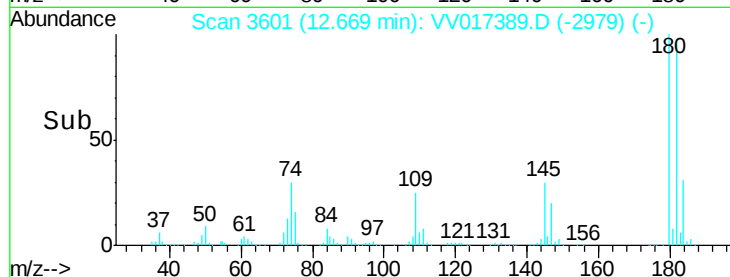
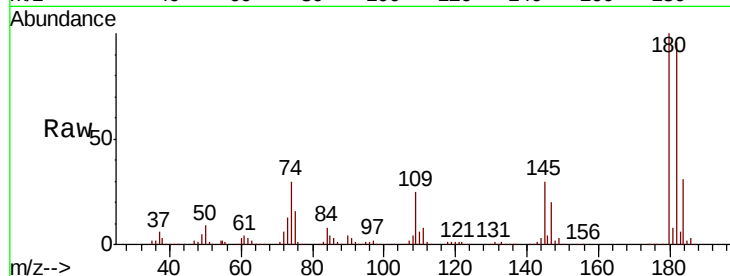




#67
 1,3,5-Trichlorobenzene
 Concen: 98.100 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017389.D
 Acq: 08 Jul 2020 11:11

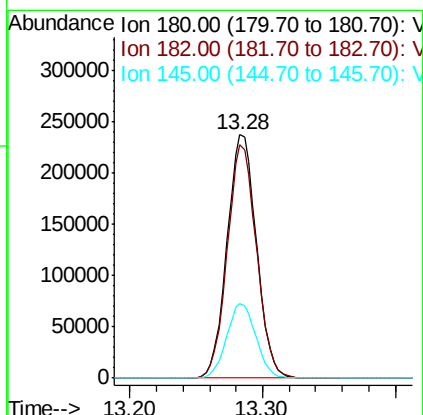
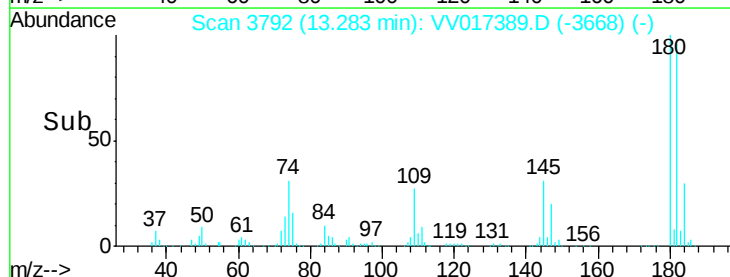
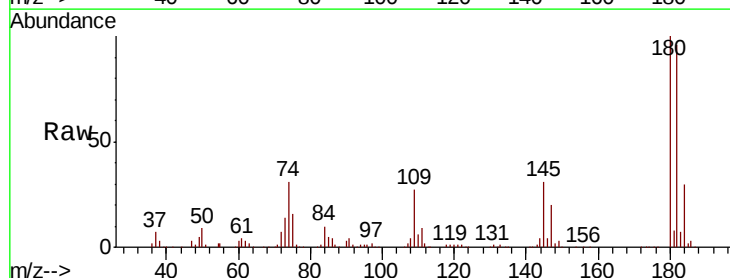
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10061

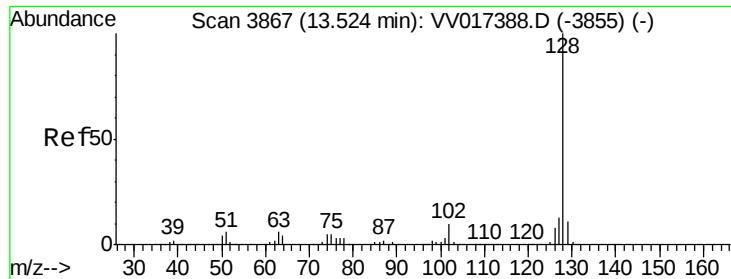
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.0	115.4
184	31.1	24.0	36.0
145	30.3	23.8	35.8



#68
 1,2,4-trichlorobenzene
 Concen: 99.822 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017389.D
 Acq: 08 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	30.5	24.6	36.8





#69

Naphthalene

Concen: 104.115 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD10061

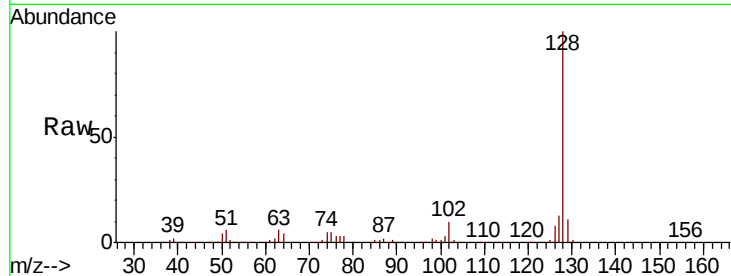
Tot Ion:128 Resp: 1089923

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

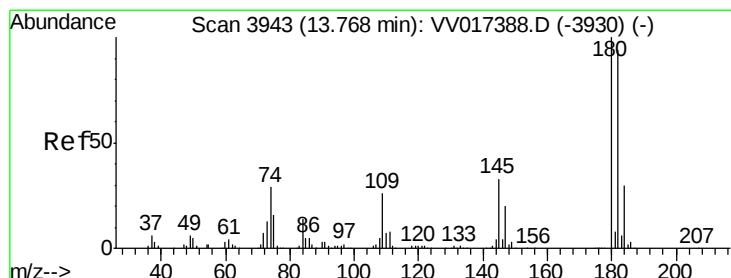
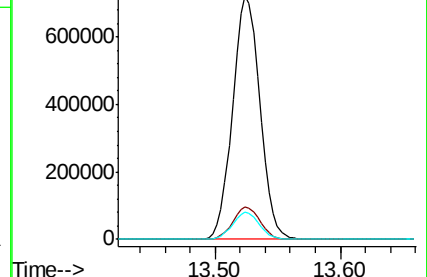
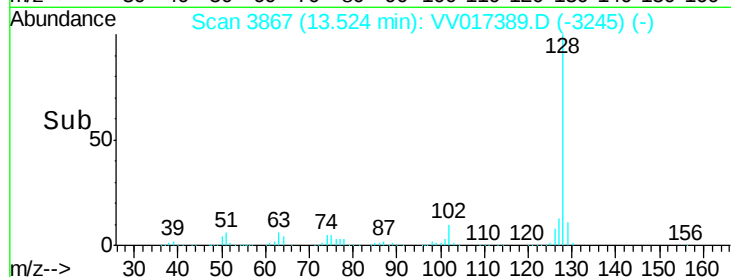
129 10.9 8.6 12.8



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: 101.430 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017389.D

Acq: 08 Jul 2020 11:11

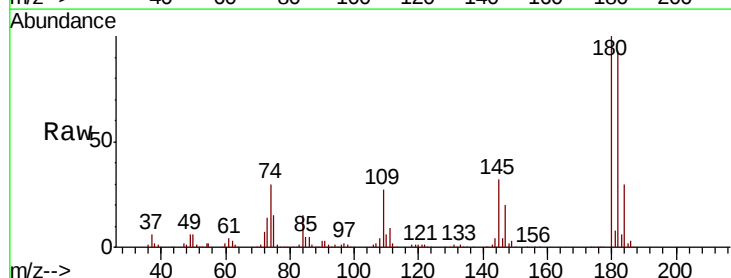
Tgt Ion:180 Resp: 366800

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 32.8 26.5 39.7



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

