

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018152.D
 Acq On : 03 Sep 2020 13:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

Quant Time: Sep 04 02:19:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 02:12:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	260100	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	256054	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	141549	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70259	49.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.84%
7) Chloroethane-d5	1.58	69	66592	65.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	131.96%#
11) 1,1-Dichloroethene-d2	2.12	63	157751	64.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	128.00%#
21) 2-Butanone-d5	3.91	46	143333	138.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	138.36%#
24) Chloroform-d	4.38	84	168446	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	5.06	65	109731	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
32) Benzene-d6	5.08	84	316678	42.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.94%
36) 1,2-Dichloropropane-d6	6.09	67	105784	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.12%
41) Toluene-d8	7.34	98	287637	40.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.98%
43) trans-1,3-Dichloropropene-	7.64	79	53145	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.58%
47) 2-Hexanone-d5	8.11	63	82779	93.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.38%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	154759	51.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.88%
66) 1,2-Dichlorobenzene-d4	11.65	152	132608	39.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.66%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	82221	44.756	ug/L 98
3) Chloromethane	1.25	50	94748	72.633	ug/L 97
5) Vinyl chloride	1.32	62	100532	79.843	ug/L 99
6) Bromomethane	1.53	94	63484	86.846	ug/L 99
8) Chloroethane	1.60	64	67787	102.797	ug/L 99
9) Trichlorofluoromethane	1.76	101	150705	73.615	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88014	87.701	ug/L 91
12) 1,1-Dichloroethene	2.13	96	83046	87.880	ug/L 93
13) Acetone	2.20	43	123310	174.579	ug/L 95
14) Carbon disulfide	2.31	76	198826	62.261	ug/L 100
15) Methyl Acetate	2.45	43	110377	89.312	ug/L 92
16) Methylene chloride	2.52	84	100945	70.403	ug/L 90
17) trans-1,2-Dichloroethene	2.78	96	86461	64.795	ug/L 92
18) Methyl tert-butyl Ether	2.78	73	315189	68.742	ug/L 97
19) 1,1-Dichloroethane	3.21	63	179569	73.793	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	101493	64.575	ug/L 85
22) 2-Butanone	4.00	43	162956	179.016	ug/L 91

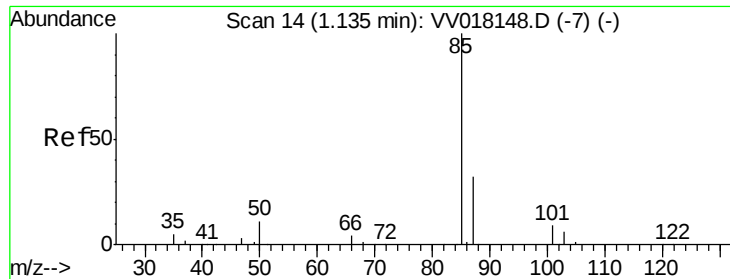
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018152.D
 Acq On : 03 Sep 2020 13:07
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

Quant Time: Sep 04 02:19:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 02:12:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	53165	61.515	ug/L	# 79
25) Chloroform	4.40	83	187491	67.973	ug/L	99
27) 1,2-Dichloroethane	5.16	62	147213	68.669	ug/L	100
29) Cyclohexane	4.70	56	139772	65.280	ug/L	91
30) 1,1,1-Trichloroethane	4.64	97	157098	57.757	ug/L	96
31) Carbon tetrachloride	4.86	117	132973	52.697	ug/L	98
33) Benzene	5.13	78	385170	65.347	ug/L	100
34) Trichloroethene	5.94	95	102091	62.316	ug/L	95
35) Methylcyclohexane	6.16	83	139730	57.303	ug/L	92
37) 1,2-Dichloropropane	6.20	63	106741	74.246	ug/L	98
38) Bromodichloromethane	6.53	83	140910	62.303	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	166922	65.855	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	302026	163.227	ug/L	97
42) Toluene	7.41	91	416582	63.606	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	164955	68.942	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	104890	67.682	ug/L	96
46) Tetrachloroethene	8.00	164	78246	51.261	ug/L	97
48) 2-Hexanone	8.16	43	238285	170.813	ug/L	98
49) Dibromochloromethane	8.27	129	114061	56.717	ug/L	100
50) 1,2-Dibromoethane	8.37	107	107932	62.974	ug/L	98
51) Chlorobenzene	8.90	112	272694	61.756	ug/L	97
52) Ethylbenzene	9.03	91	459426	62.518	ug/L	98
53) m,p-Xylene	9.16	106	173144	61.076	ug/L	98
54) o-Xylene	9.56	106	171854	61.091	ug/L	99
55) Styrene	9.58	104	305132	64.389	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	166121	69.705	ug/L	99
59) Bromoform	9.75	173	86104	51.859	ug/L	99
60) Isopropylbenzene	9.95	105	461022	59.496	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	139294	72.470	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	385031	57.478	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	399630	60.444	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	231353	59.173	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	236414	59.822	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	234260	58.724	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	36189	57.129	ug/L	85
69) 1,3,5-Trichlorobenzene	12.67	180	183098	57.771	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	173332	63.075	ug/L	99
71) Naphthalene	13.52	128	489700	70.309	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	178837	64.668	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 44.756 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

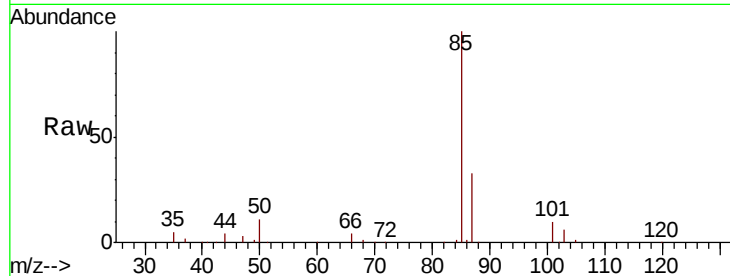
VSTD050609

Tot Ion: 85 Resp: 82221

Ion Ratio Lower Upper

85 100

87 32.9 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV018148.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018148.D (-7) (-)

1.14

100000

80000

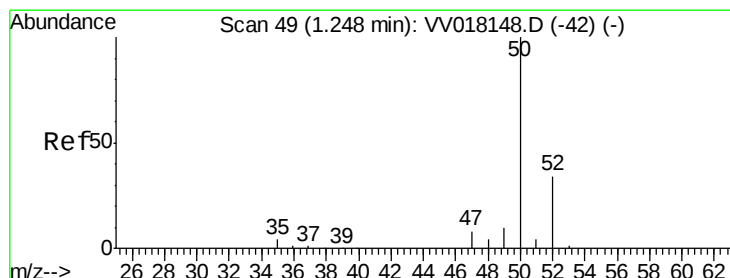
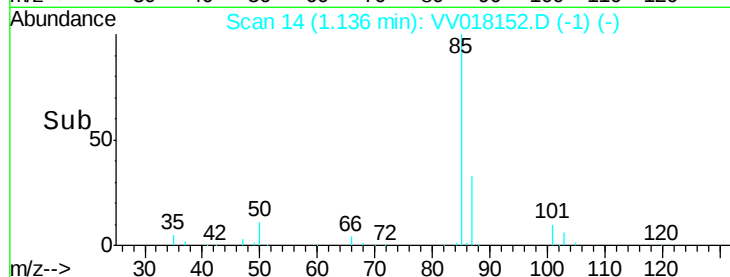
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 72.633 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018152.D

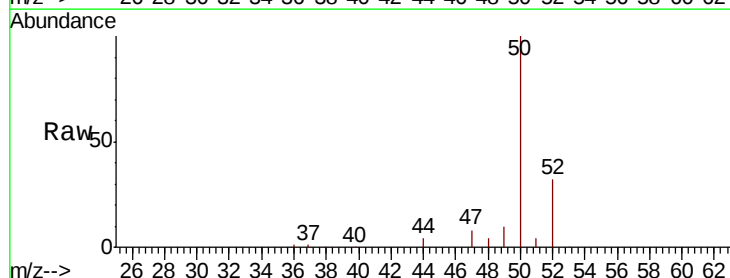
Acq: 03 Sep 2020 13:07

Tgt Ion: 50 Resp: 94748

Ion Ratio Lower Upper

50 100

52 32.1 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV018148.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018148.D (-42) (-)

1.25

100000

80000

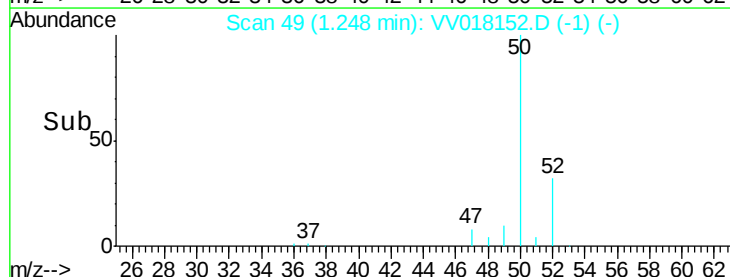
60000

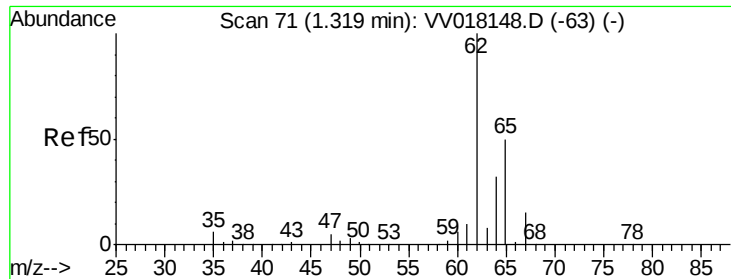
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 79.843 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

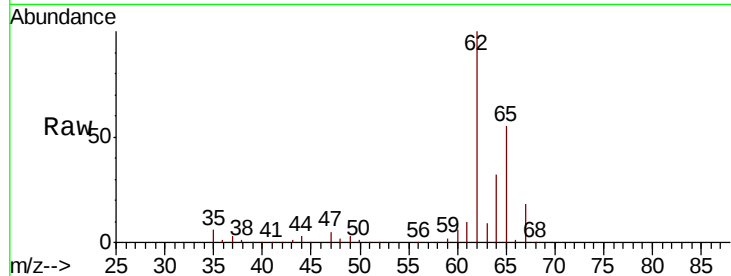
VSTD050609

Tot Ion: 62 Resp: 100532

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

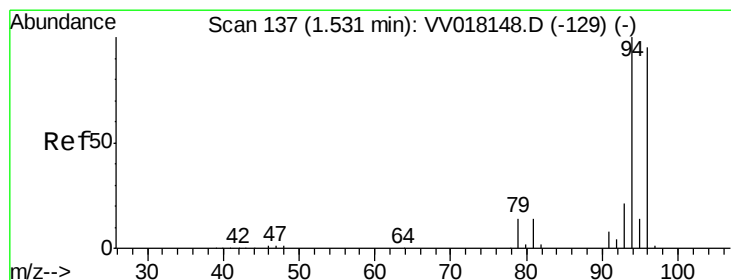
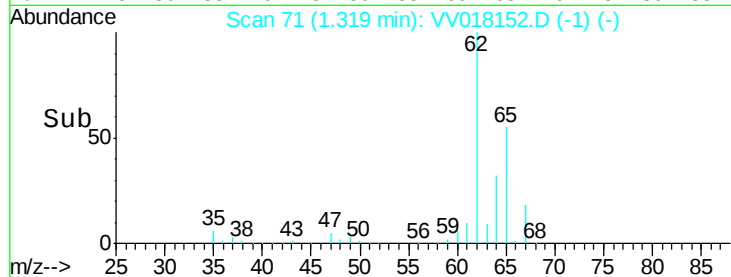
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 86.846 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018152.D

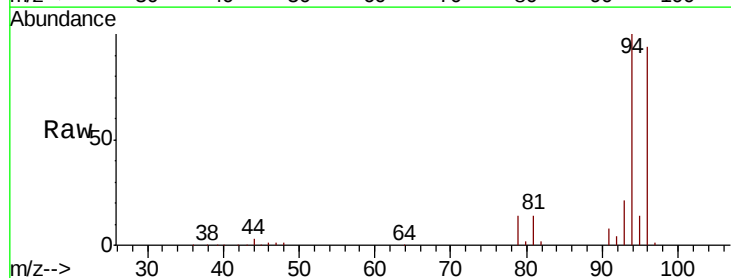
Acq: 03 Sep 2020 13:07

Tgt Ion: 94 Resp: 63484

Ion Ratio Lower Upper

94 100

96 94.5 66.8 124.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

60000

50000

40000

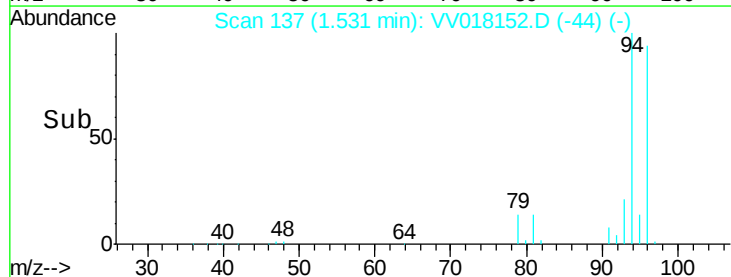
30000

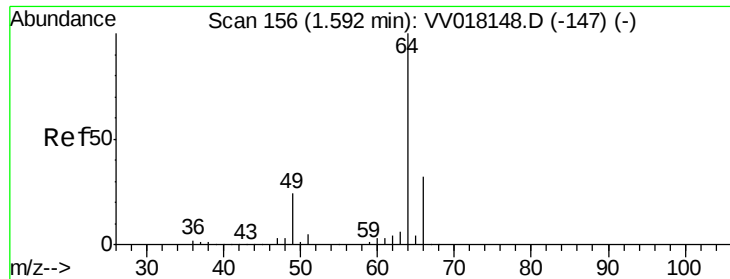
20000

10000

0

Time-->





#8

Chloroethane

Concen: 102.797 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

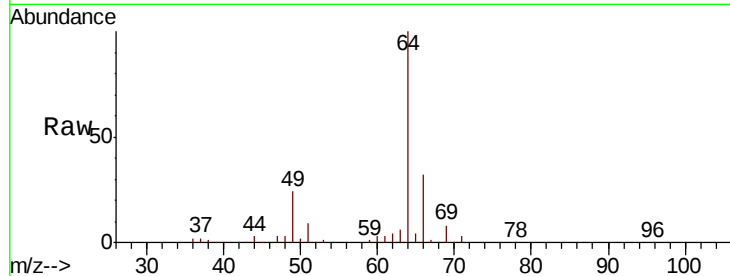
VSTD050609

Tot Ion: 64 Resp: 67787

Ion Ratio Lower Upper

64 100

66 31.8 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV018152.D (-32) (-)

Ion 66.00 (65.70 to 66.70): VV018152.D (-32) (-)

1.60

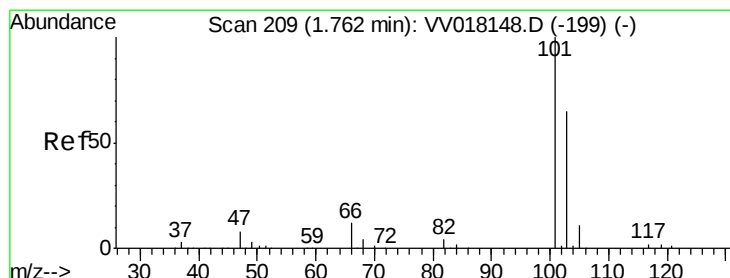
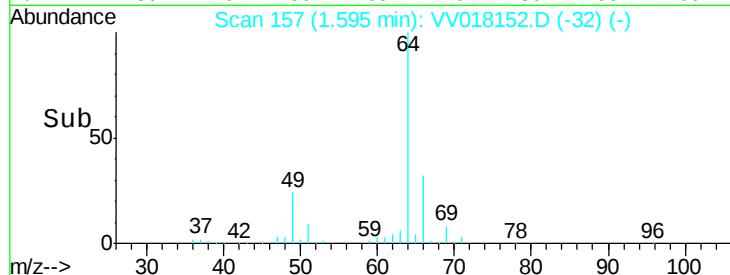
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 73.615 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV018152.D

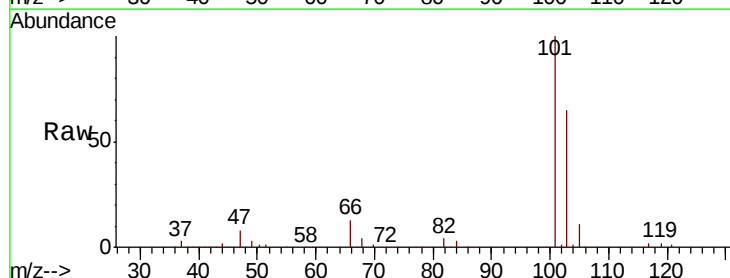
Acq: 03 Sep 2020 13:07

Tgt Ion: 101 Resp: 150705

Ion Ratio Lower Upper

101 100

103 65.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV018152.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV018152.D (-85) (-)

1.76

120000

100000

80000

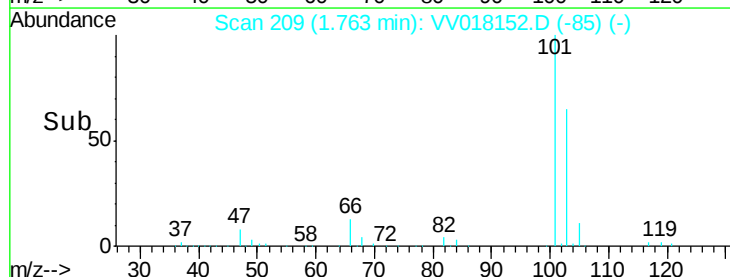
60000

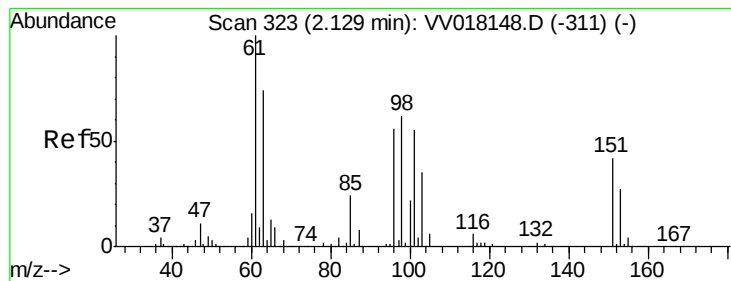
40000

20000

0

Time-->





#10

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

Concen: 87.701 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050609

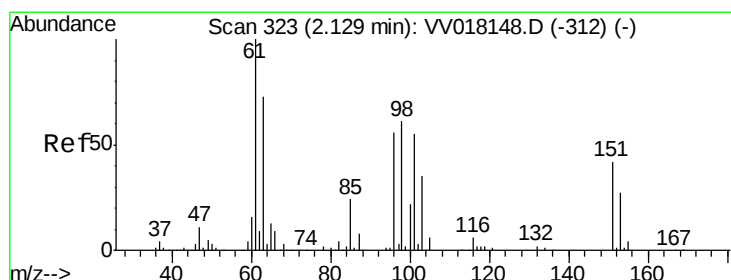
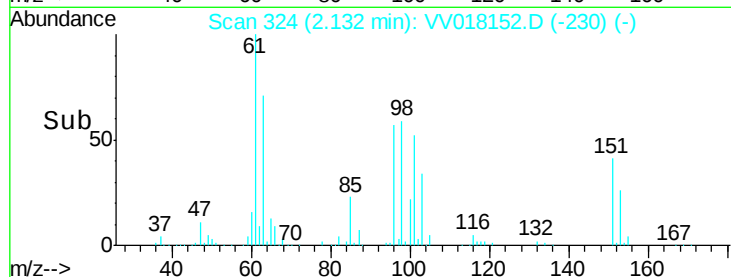
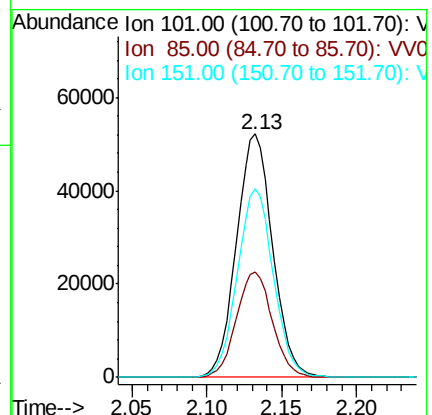
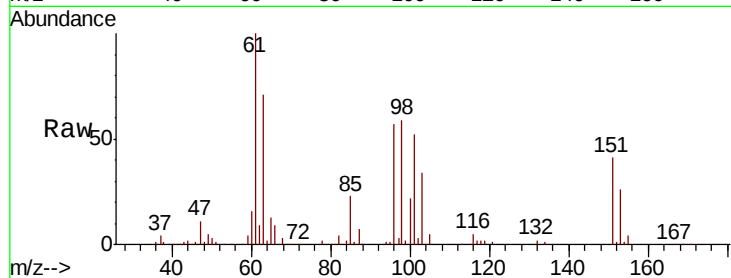
Tot Ion:101 Resp: 88014

Ion Ratio Lower Upper

101 100

85 43.0 34.4 51.6

151 77.3 72.2 108.2



#12

1,1-Dichloroethene

Concen: 87.880 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

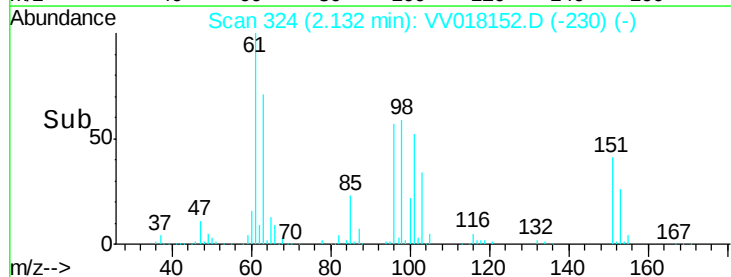
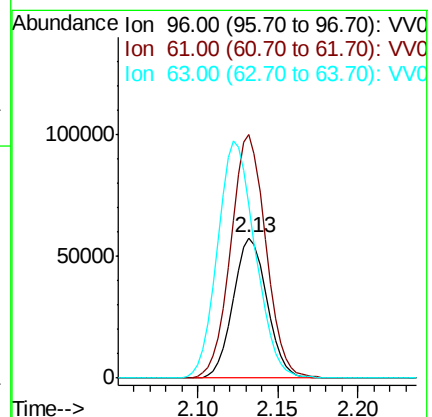
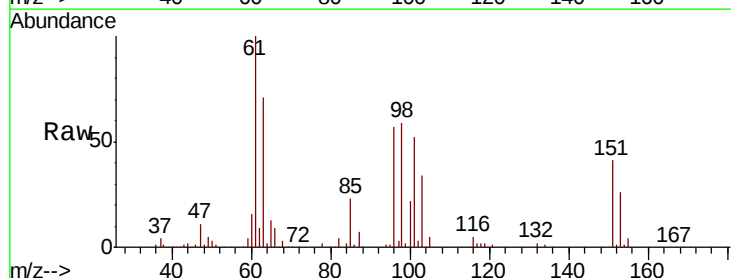
Tgt Ion: 96 Resp: 83046

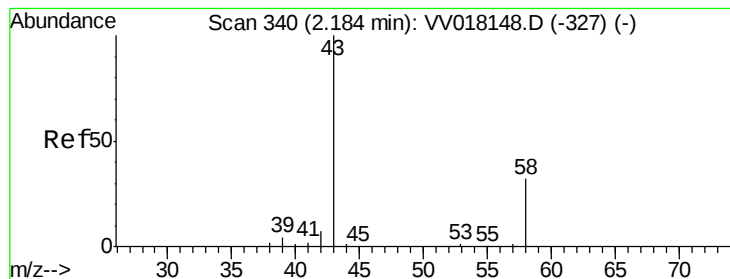
Ion Ratio Lower Upper

96 100

61 174.0 120.0 223.0

63 123.6 98.3 182.7





#13

Acetone

Concen: 174.579 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

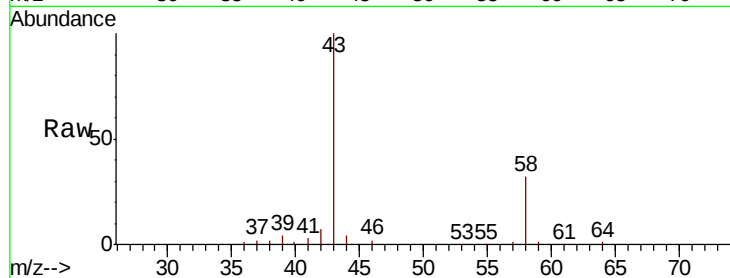
VSTD050609

Tot Ion: 43 Resp: 123310

Ion Ratio Lower Upper

43 100

58 32.6 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV018152.D (-247) (-)

Ion 58.00 (57.70 to 58.70): VV018152.D (-247) (-)

2.20

50000

40000

30000

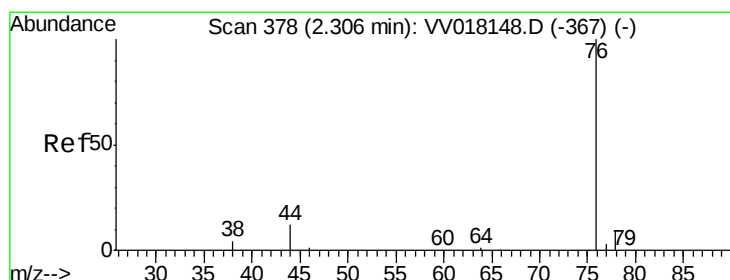
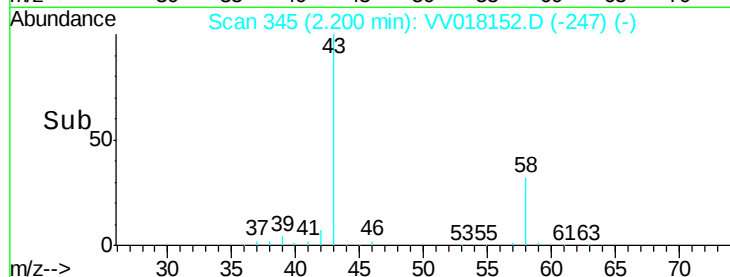
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 62.261 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018152.D

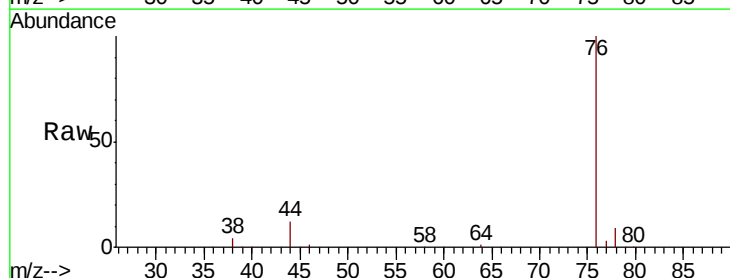
Acq: 03 Sep 2020 13:07

Tgt Ion: 76 Resp: 198826

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018152.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV018152.D (-285) (-)

2.31

150000

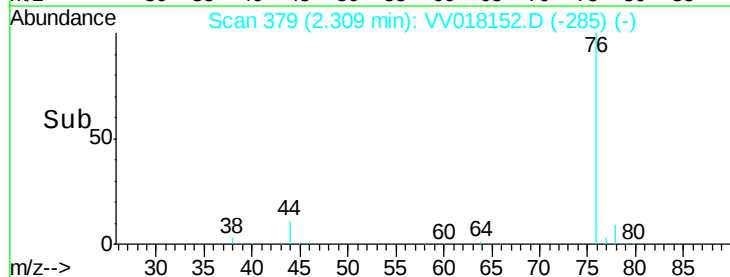
100000

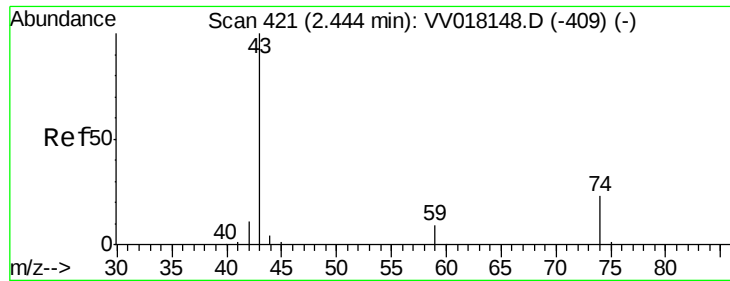
50000

0

Time-->

2.25 2.30 2.35 2.40

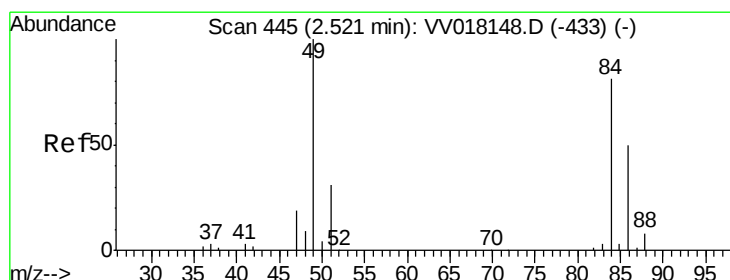
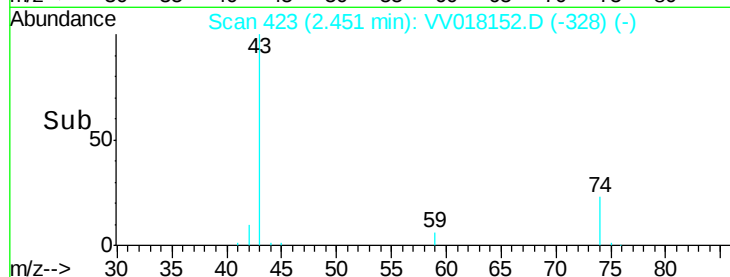
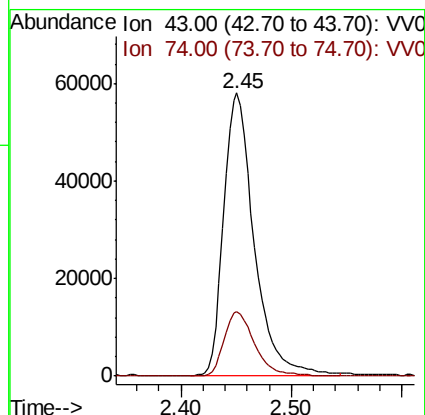
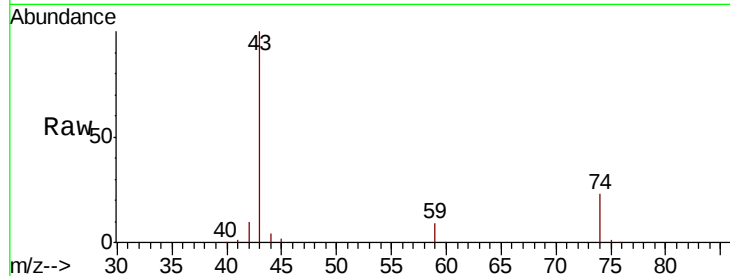




#15
Methvl Acetate
Concen: 89.312 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

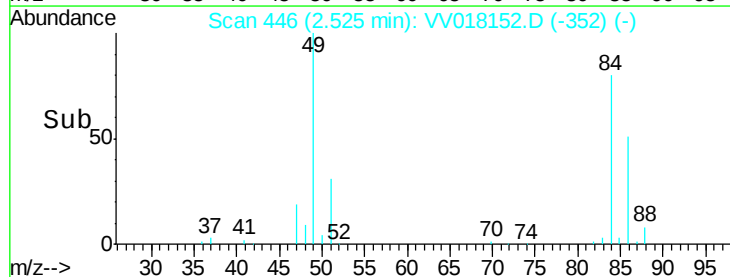
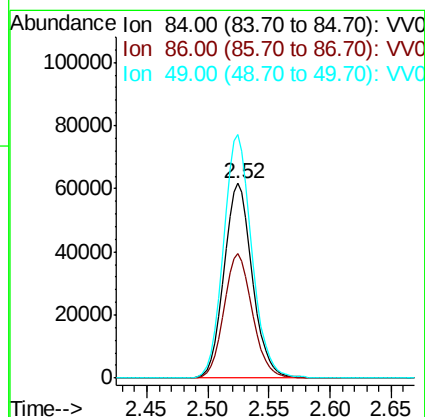
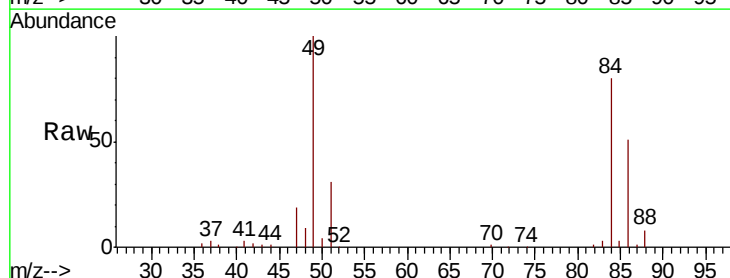
Instrument :
MSVOA_V
ClientSampleId :
VSTD050609

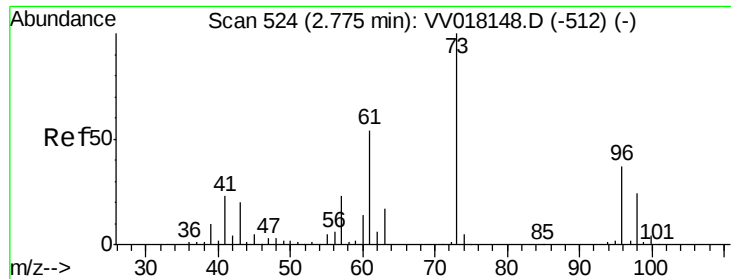
Tot Ion: 43 Resp: 110377
Ion Ratio Lower Upper
43 100
74 23.0 21.8 32.6



#16
Methylene chloride
Concen: 70.403 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Tgt Ion: 84 Resp: 100945
Ion Ratio Lower Upper
84 100
86 63.8 45.7 84.9
49 125.1 76.6 142.2





#17

trans-1,2-Dichloroethene

Concen: 64.795 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050609

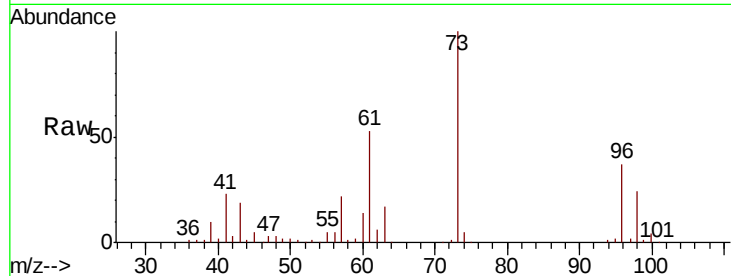
Tot Ion: 96 Resp: 86461

Ion Ratio Lower Upper

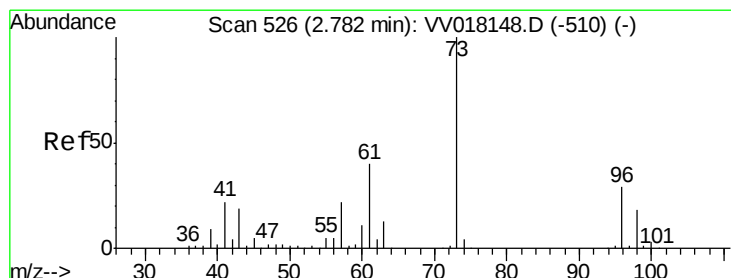
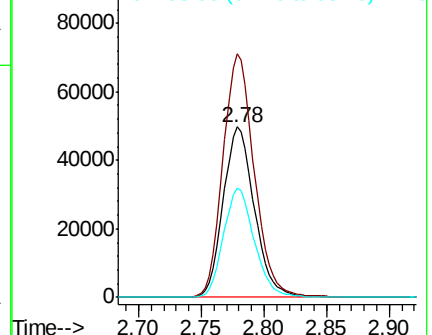
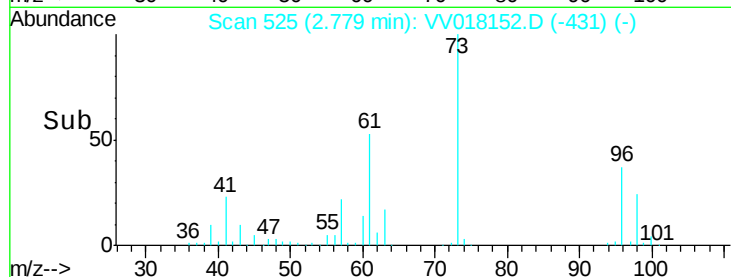
96 100

61 143.0 90.6 168.3

98 64.3 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV018152.D (-431) (-)



#18

Methyl tert-butyl Ether

Concen: 68.742 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

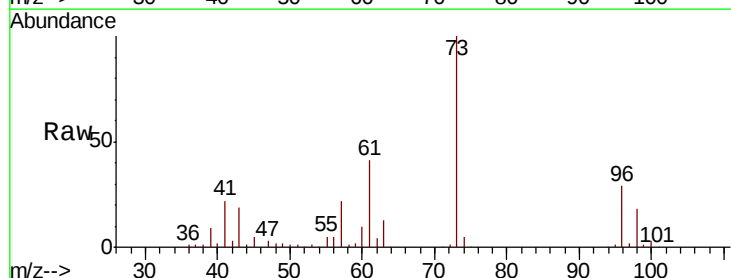
Tgt Ion: 73 Resp: 315189

Ion Ratio Lower Upper

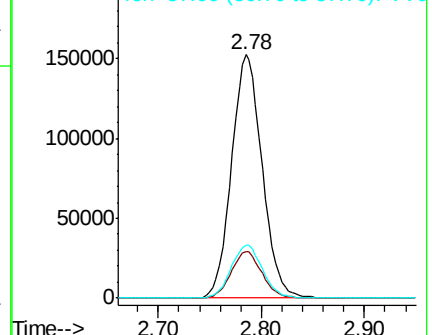
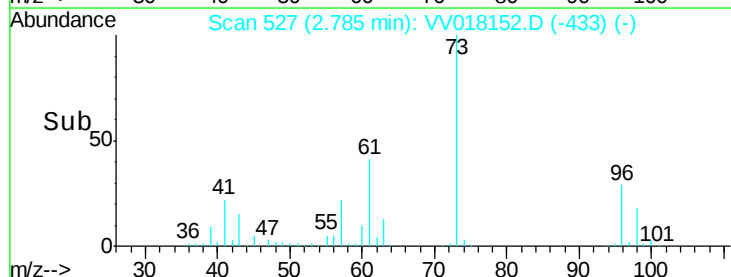
73 100

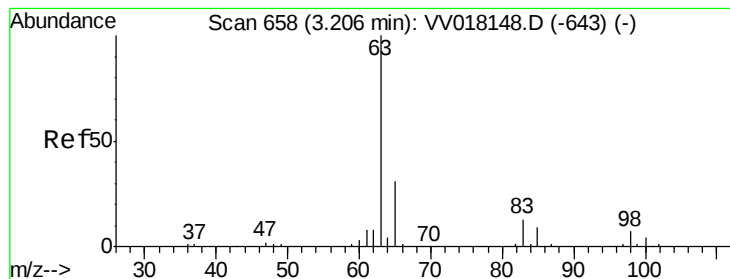
43 19.1 15.6 23.4

57 22.3 16.0 24.0



Abundance Ion 73.00 (72.70 to 73.70): VV018152.D (-433) (-)





#19

1,1-Dichloroethane

Concen: 73.793 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050609

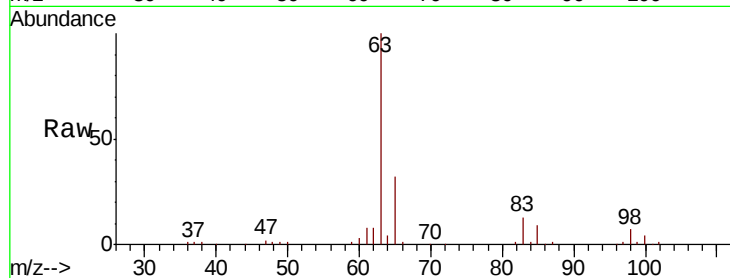
Tot Ion: 63 Resp: 179569

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.3

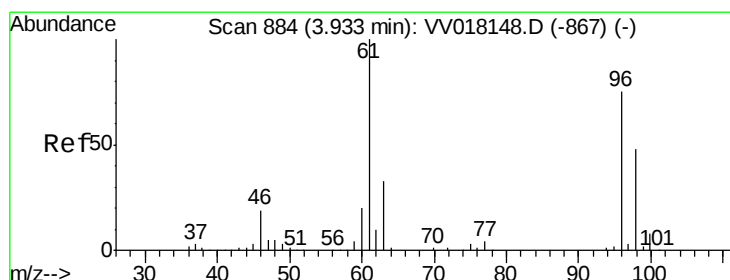
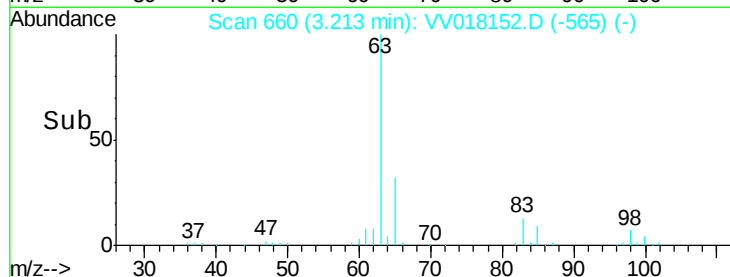
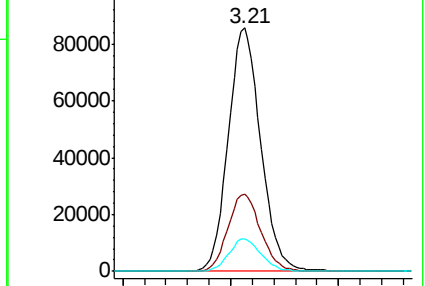
83 13.4 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 64.575 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

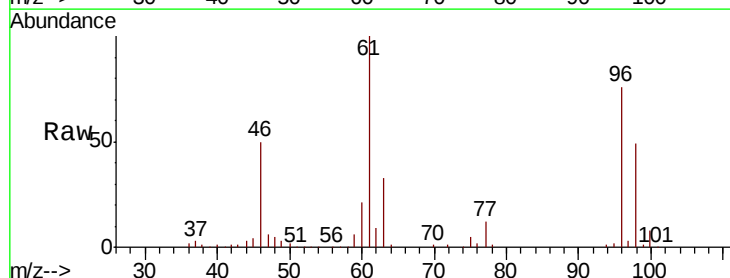
Tgt Ion: 96 Resp: 101493

Ion Ratio Lower Upper

96 100

61 130.9 80.0 148.6

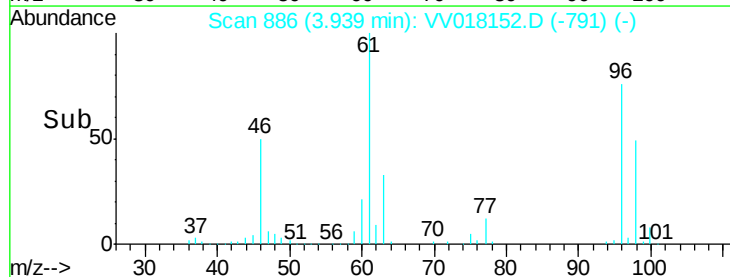
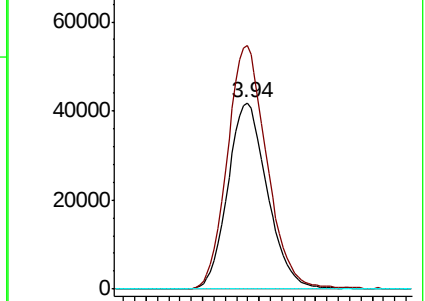
68 0.0 0.0 0.0

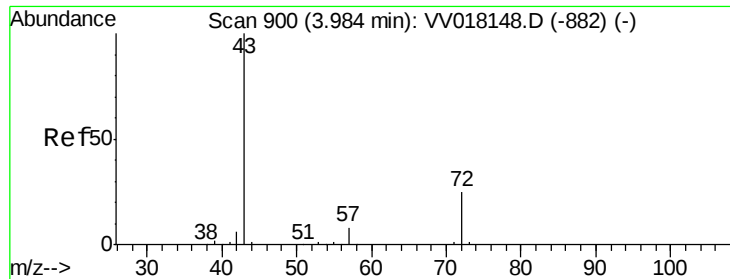


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 179.016 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

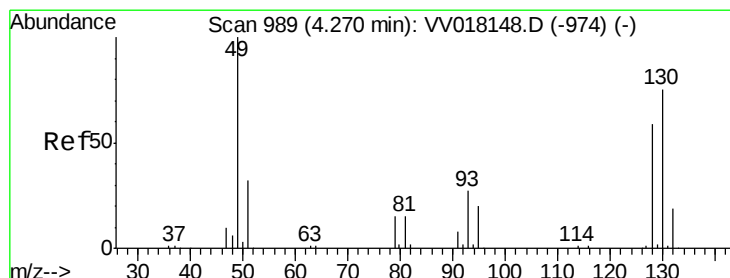
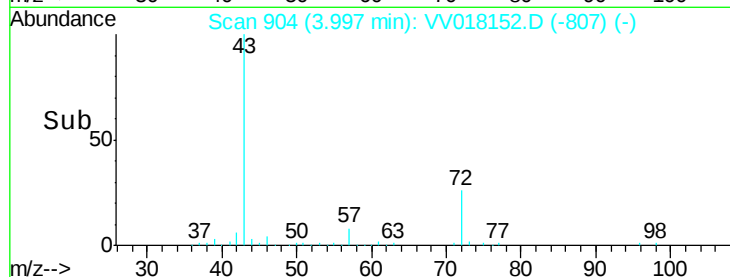
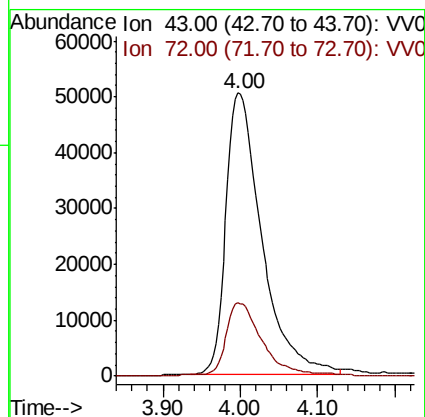
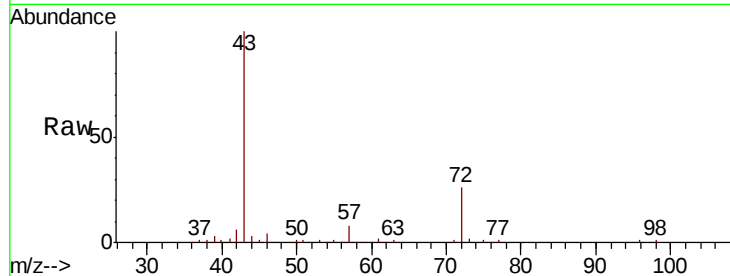
VSTD050609

Tot Ion: 43 Resp: 162956

Ion Ratio Lower Upper

43 100

72 25.1 15.0 45.0



#23

Bromochloromethane

Concen: 61.515 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Tgt Ion: 128 Resp: 53165

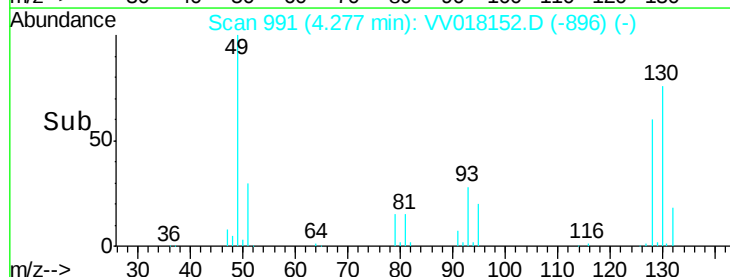
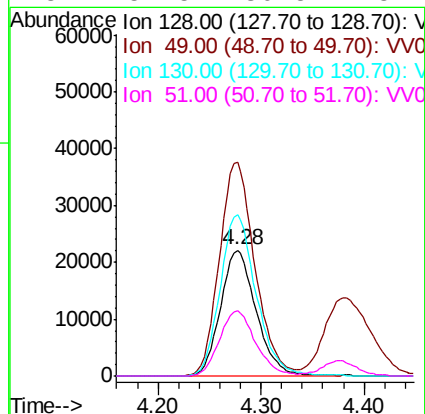
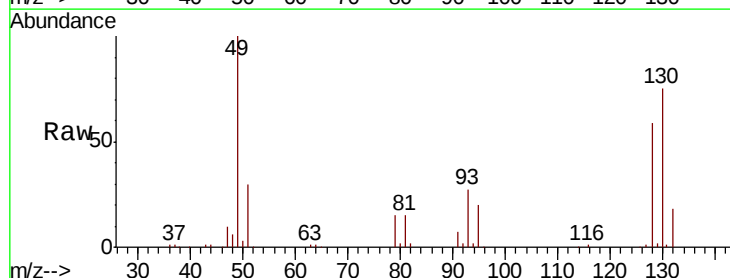
Ion Ratio Lower Upper

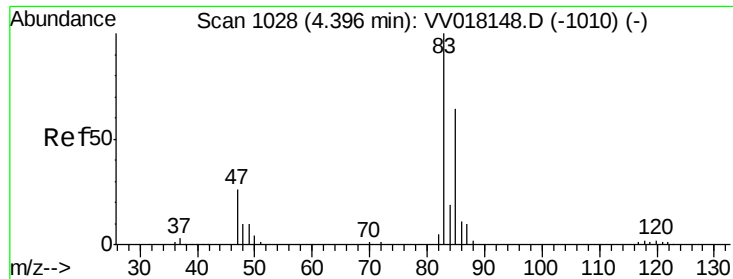
128 100

49 169.5 84.6 157.2#

130 127.9 89.9 167.0

51 51.5 30.5 45.7#

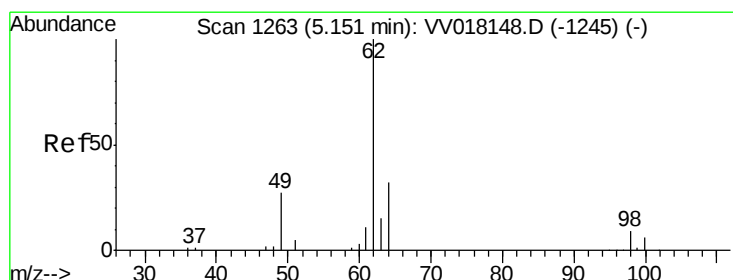
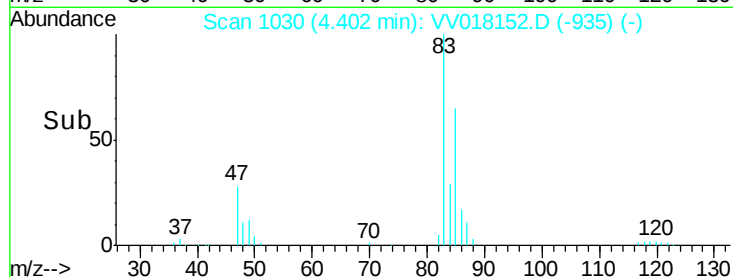
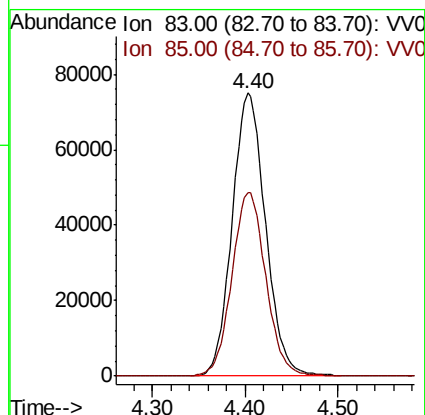
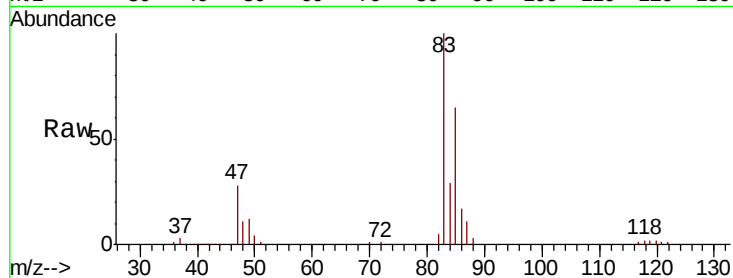




#25
Chloroform
Concen: 67.973 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

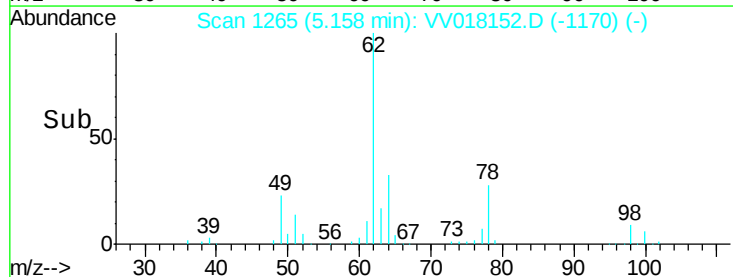
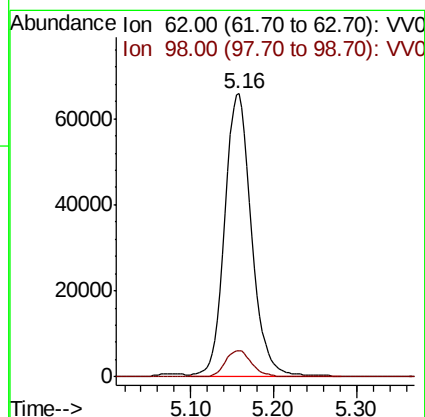
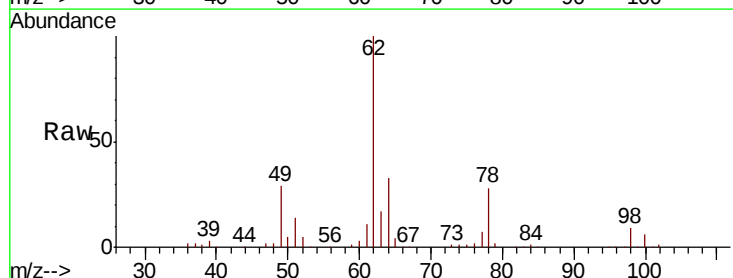
Instrument :
MSVOA_V
ClientSampleId :
VSTD050609

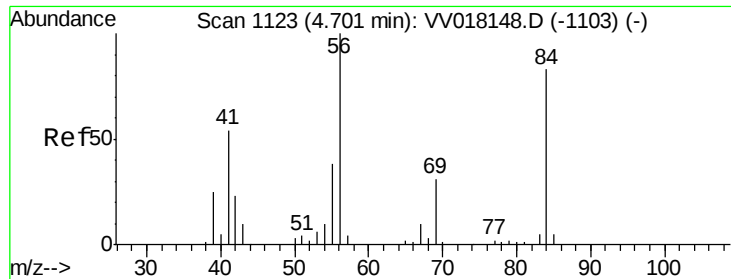
Tot Ion: 83 Resp: 187491
Ion Ratio Lower Upper
83 100
85 65.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 68.669 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Tgt Ion: 62 Resp: 147213
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

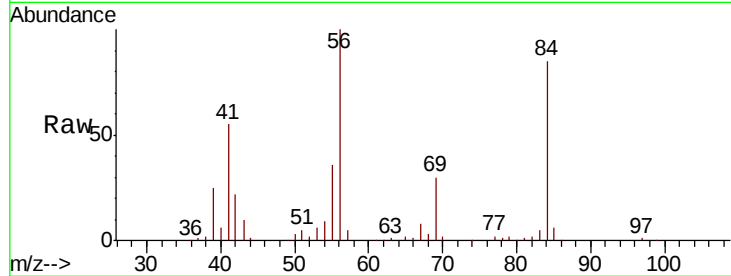




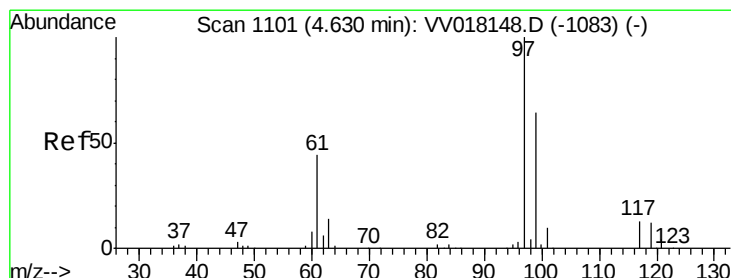
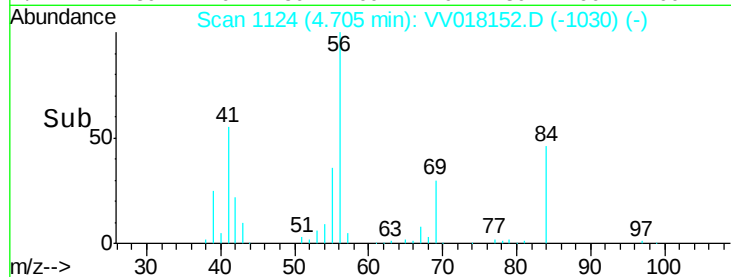
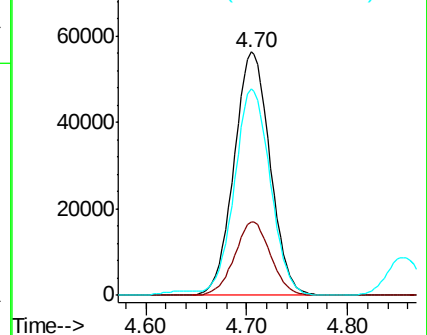
#29
Cyclohexane
Concen: 65.280 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050609

Tot Ion: 56 Resp: 139772
Ion Ratio Lower Upper
56 100
69 30.1 25.8 38.8
84 84.0 76.0 114.0

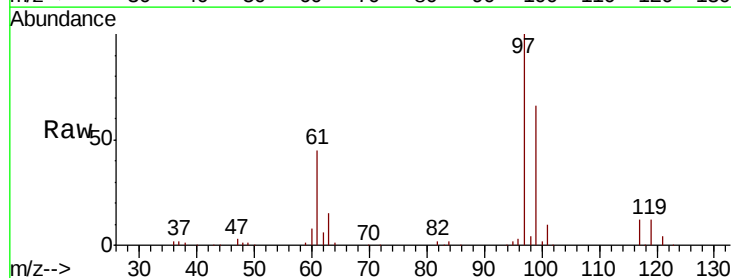


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

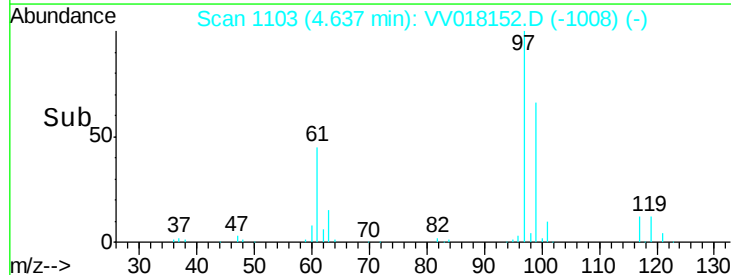
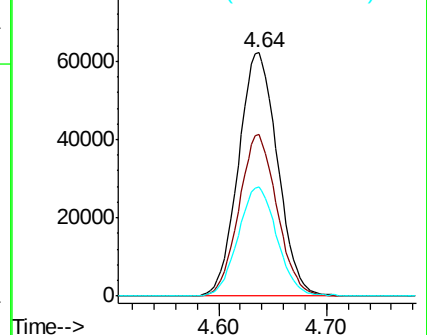


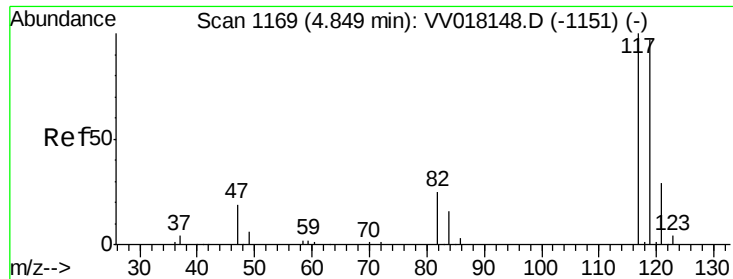
#30
1,1,1-Trichloroethane
Concen: 57.757 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Tgt Ion: 97 Resp: 157098
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 44.4 31.3 46.9



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: 52.697 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

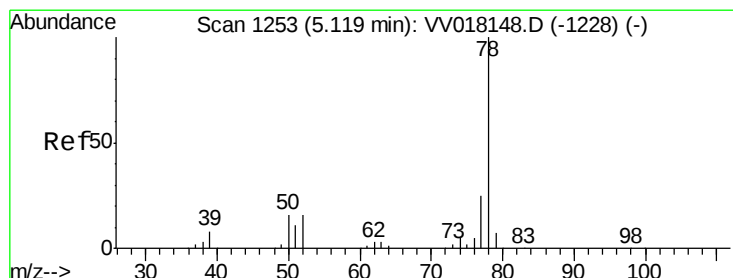
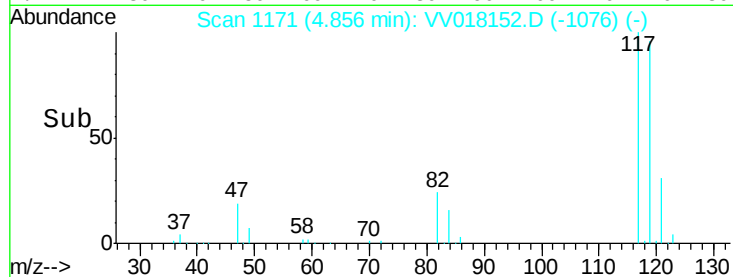
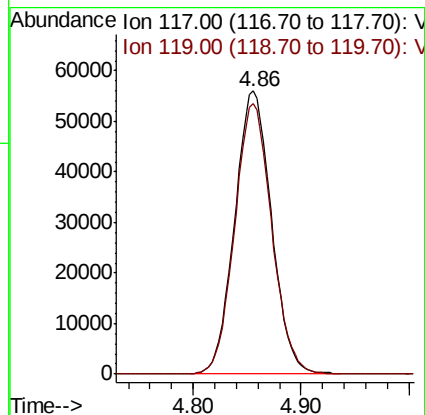
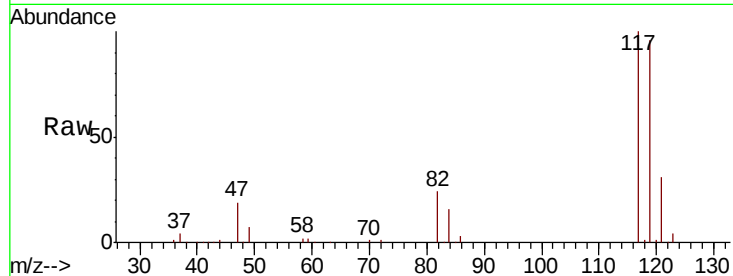
VSTD050609

Tot Ion:117 Resp: 132973

Ion Ratio Lower Upper

117 100

119 96.2 78.2 117.4



#33

Benzene

Concen: 65.347 ug/L

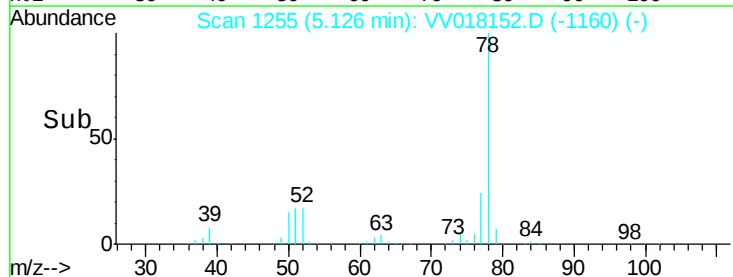
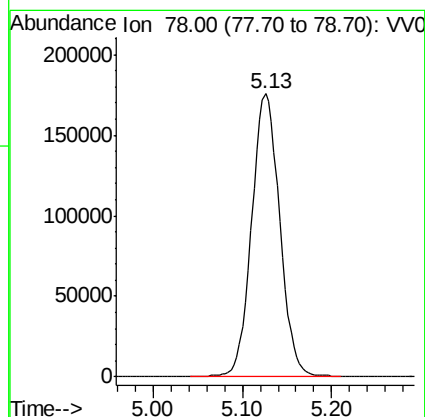
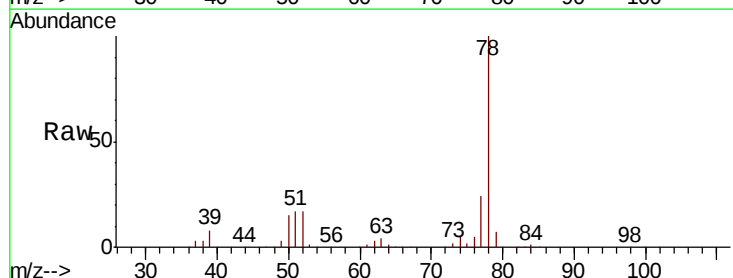
RT: 5.13 min Scan# 1255

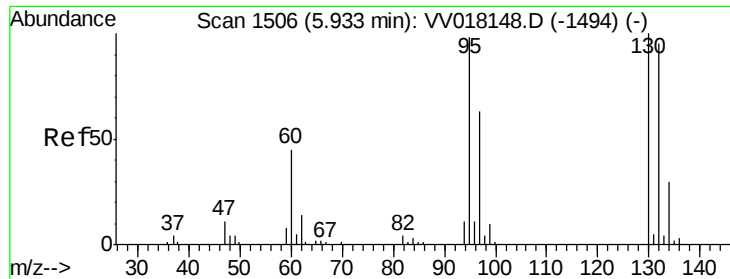
Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Tgt Ion: 78 Resp: 385170





#34

Trichloroethene

Concen: 62.316 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050609

Tot Ion: 95 Resp: 102091

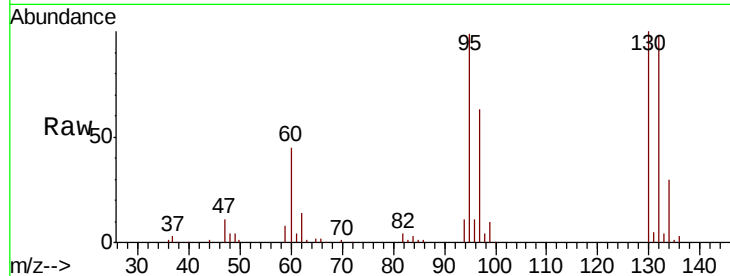
Ion Ratio Lower Upper

95 100

97 63.4 43.4 80.6

132 99.1 73.1 135.8

130 101.2 75.3 139.8

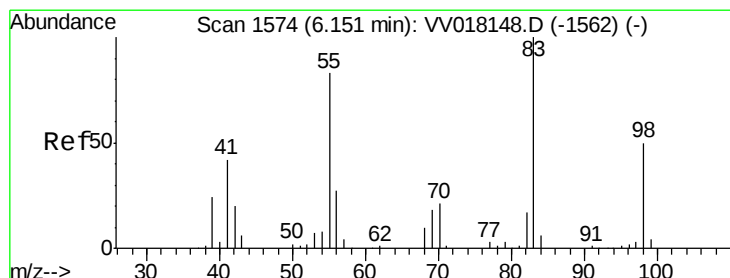
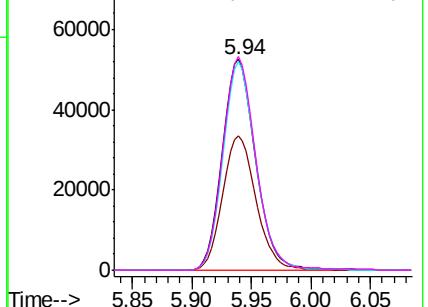
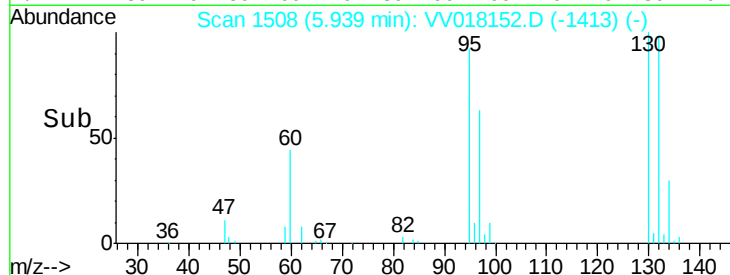


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 57.303 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

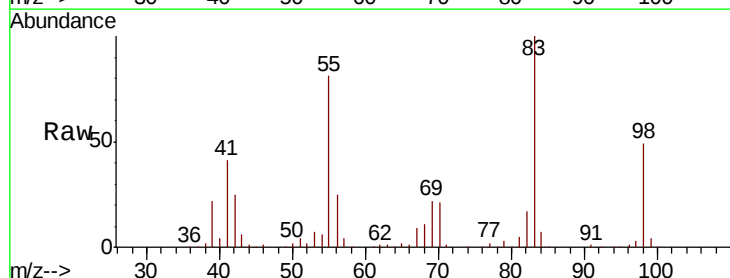
Tgt Ion: 83 Resp: 139730

Ion Ratio Lower Upper

83 100

55 80.1 55.5 83.3

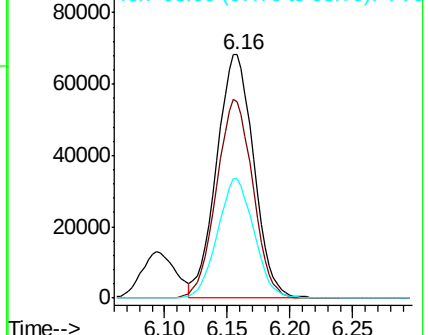
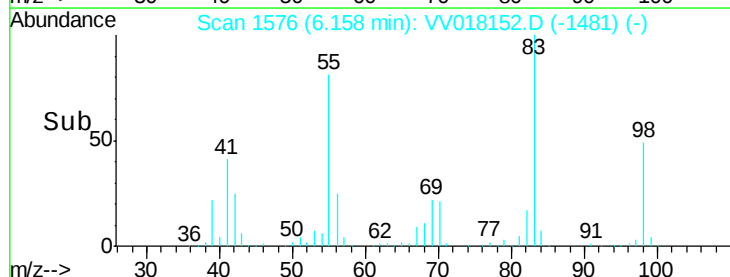
98 48.5 38.5 57.7

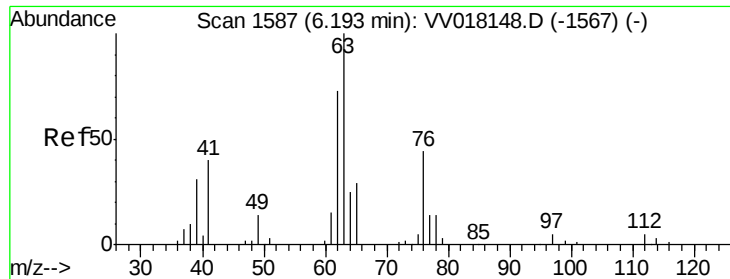


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

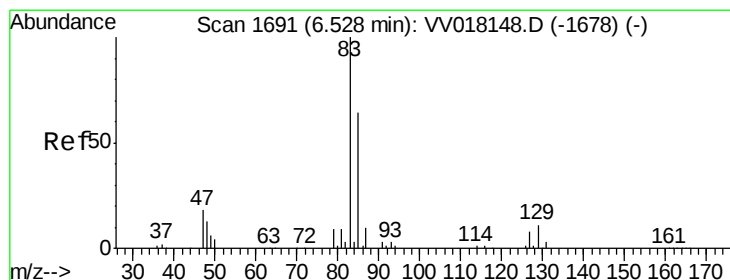
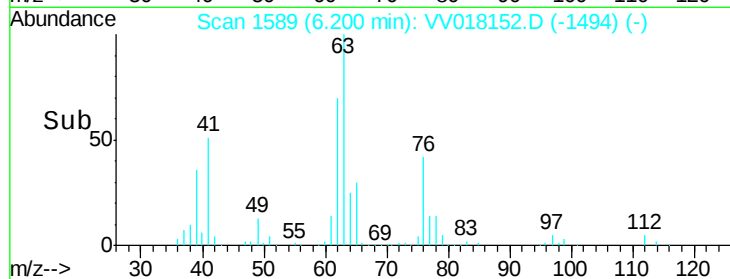
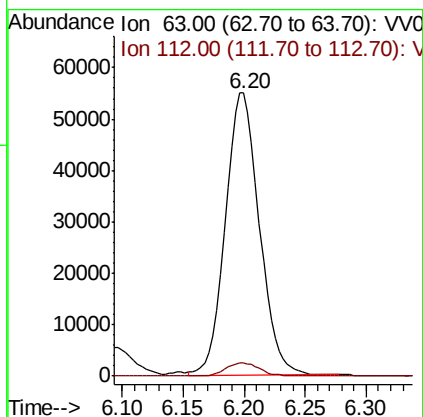
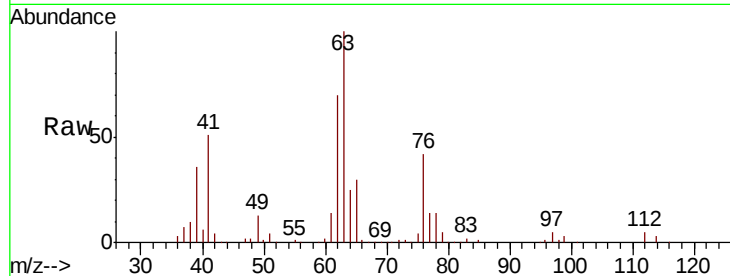




#37
 1,2-Dichloropropane
 Concen: 74.246 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

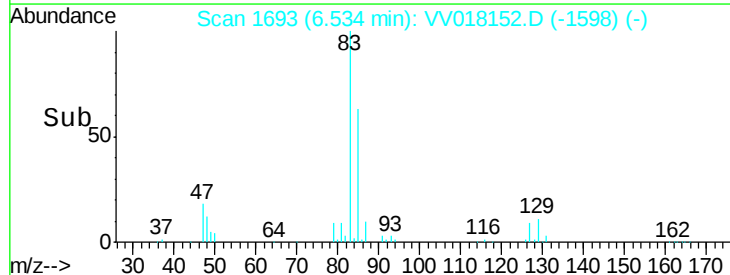
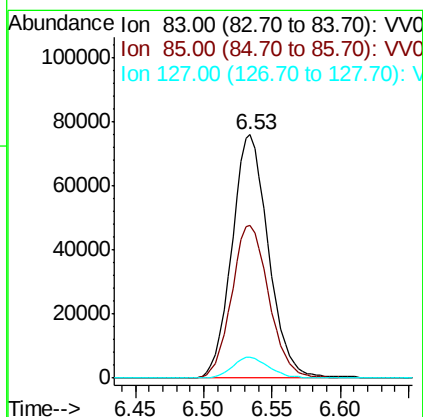
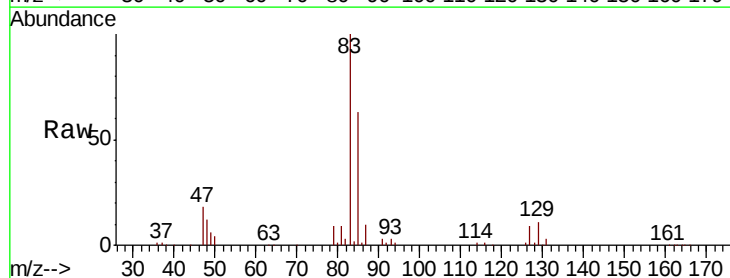
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

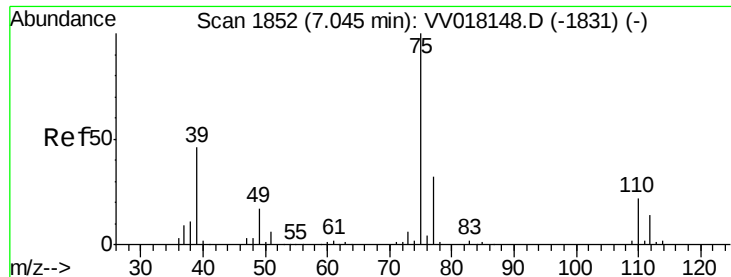
Tot Ion: 63 Resp: 106741
 Ion Ratio Lower Upper
 63 100
 112 4.7 4.2 6.2



#38
 Bromodichloromethane
 Concen: 62.303 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

Tgt Ion: 83 Resp: 140910
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.0 83.6
 127 8.6 7.9 11.9

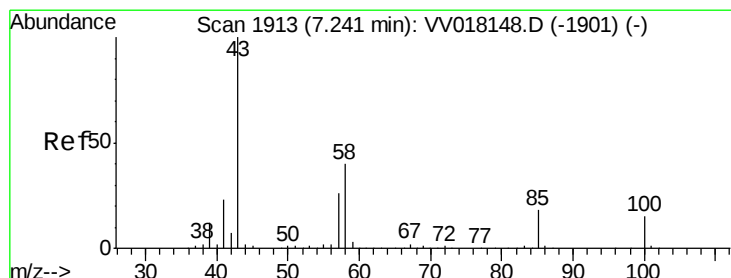
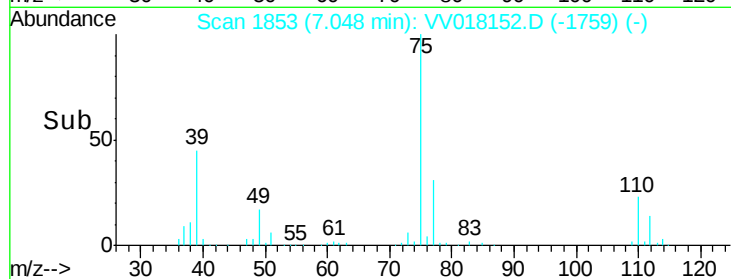
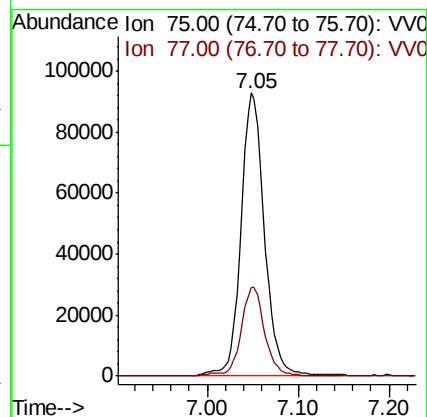
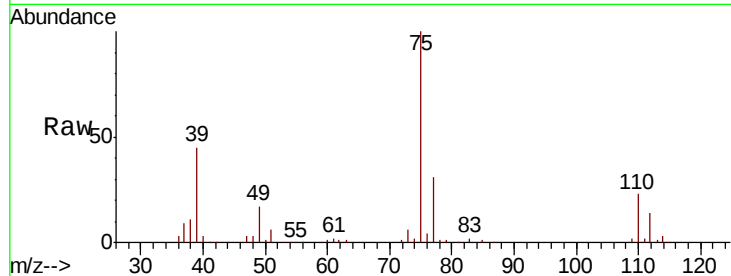




#39
 cis-1,3-Dichloropropene
 Concen: 65.855 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

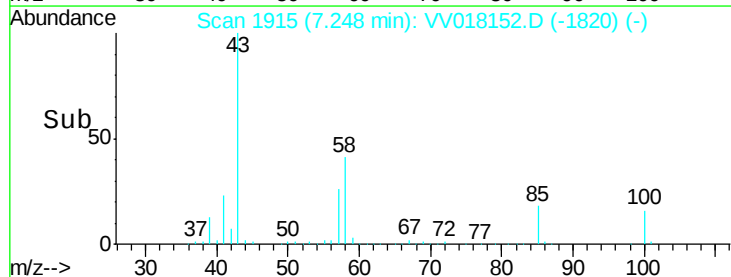
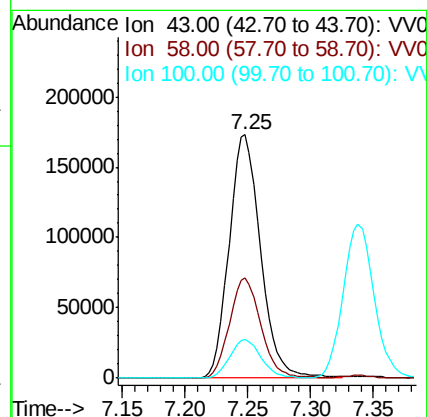
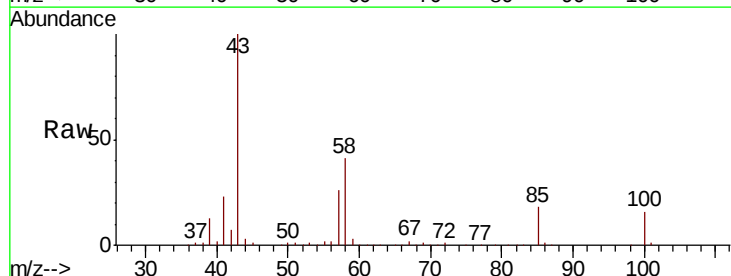
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

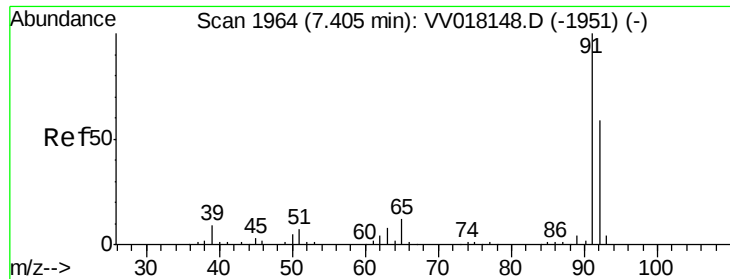
Tot Ion: 75 Resp: 166922
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 163.227 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

Tgt Ion: 43 Resp: 302026
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.4 50.2
 100 15.8 15.0 22.4





#42

Toluene

Concen: 63.606 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

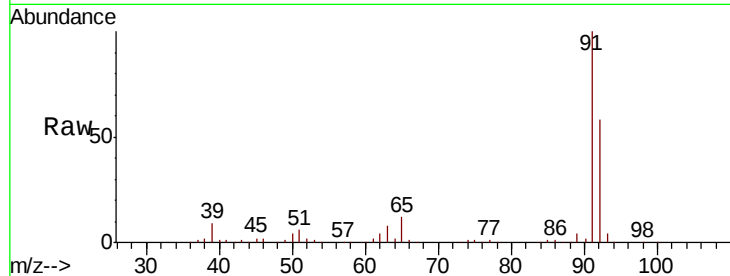
VSTD050609

Tot Ion: 91 Resp: 416582

Ion Ratio Lower Upper

91 100

92 58.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

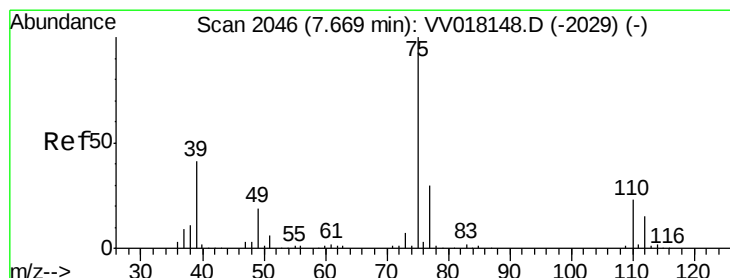
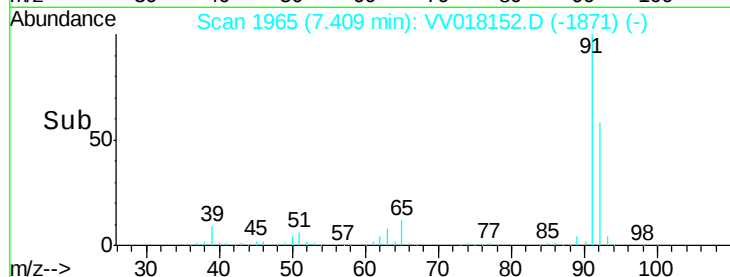
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 68.942 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018152.D

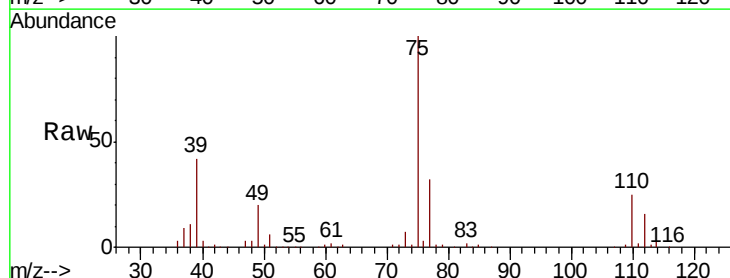
Acq: 03 Sep 2020 13:07

Tgt Ion: 75 Resp: 164955

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

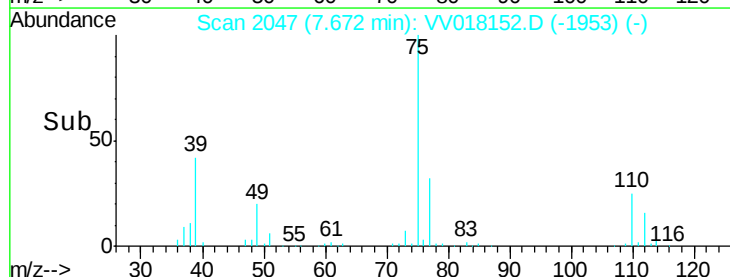
60000

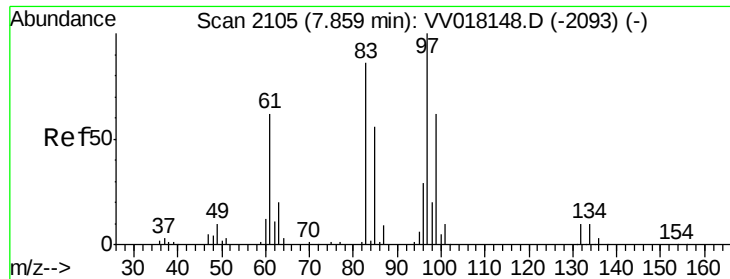
40000

20000

0

Time--> 7.60 7.70 7.80

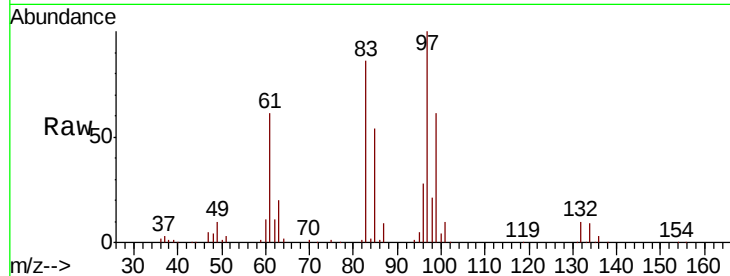




#45
 1,1,2-Trichloroethane
 Concen: 67.682 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

Tot Ion:	97	Resp:	104890
Ion	Ratio	Lower	Upper
97	100		
99	60.7	47.2	87.6
83	85.9	58.0	107.6
85	54.5	38.0	70.6



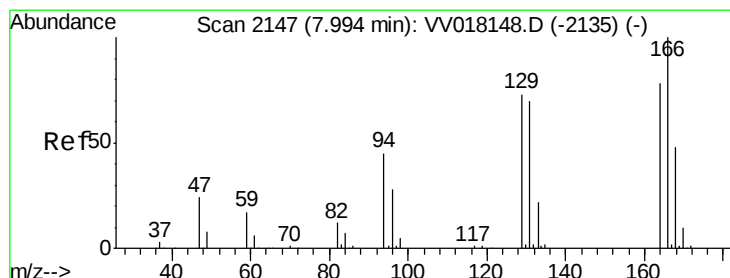
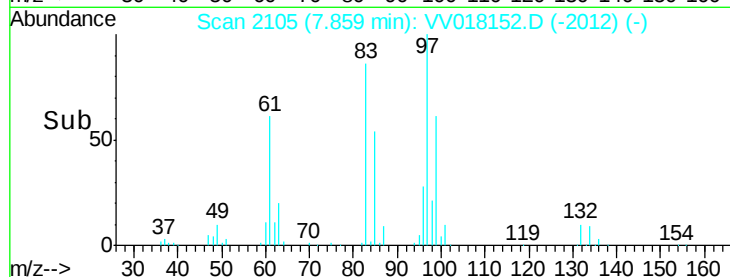
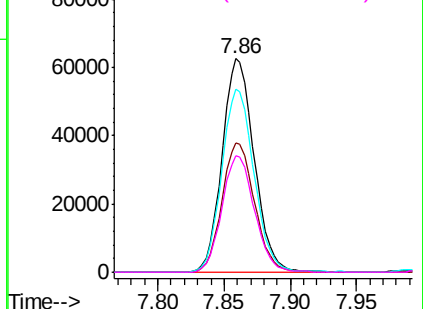
Abundance

Ion 97.00 (96.70 to 97.70): VV018152.D (-2012) (-)

Ion 99.00 (98.70 to 99.70): VV018152.D (-2012) (-)

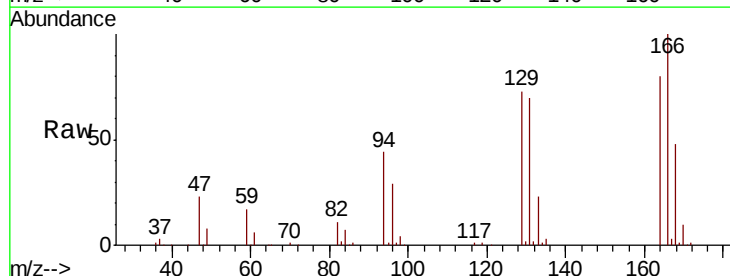
Ion 83.00 (82.70 to 83.70): VV018152.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV018152.D (-2012) (-)



#46
 Tetrachloroethene
 Concen: 51.261 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

Tgt Ion:	164	Resp:	78246
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.3	119.5
131	87.8	60.1	111.7
166	125.2	91.8	170.6



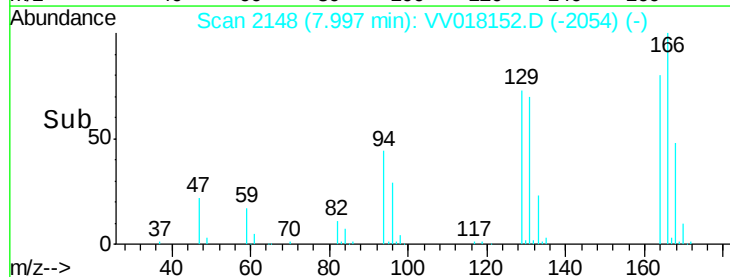
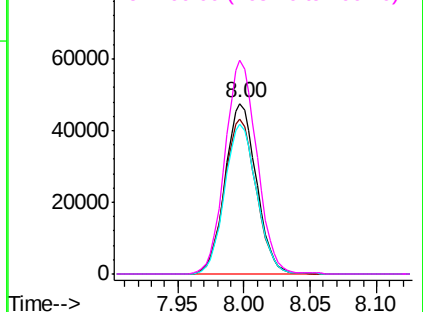
Abundance

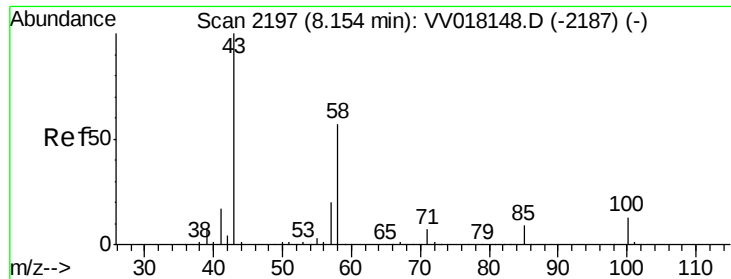
Ion 164.00 (163.70 to 164.70): VV018152.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV018152.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV018152.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV018152.D (-2054) (-)

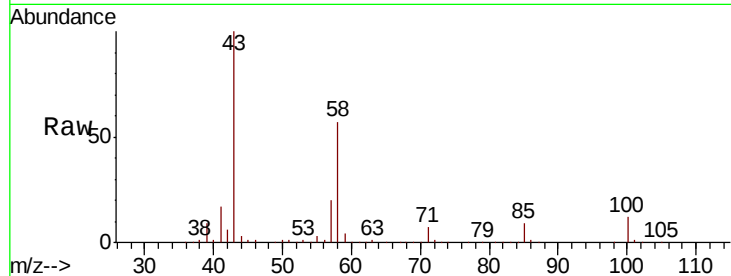




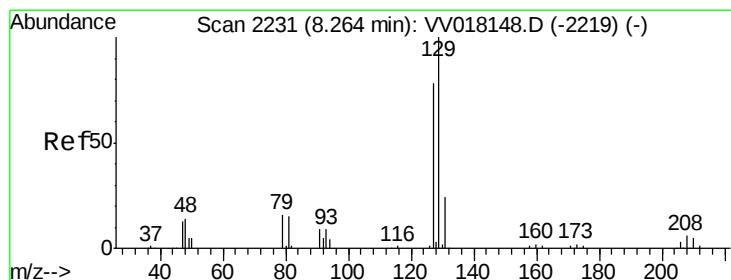
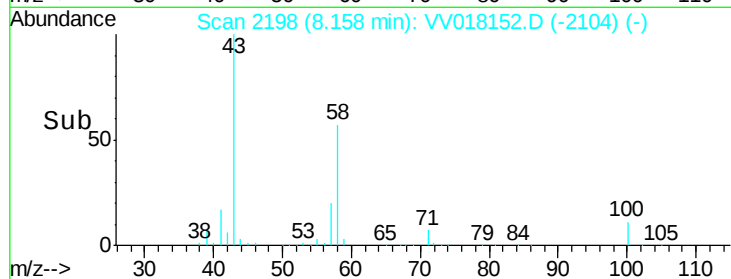
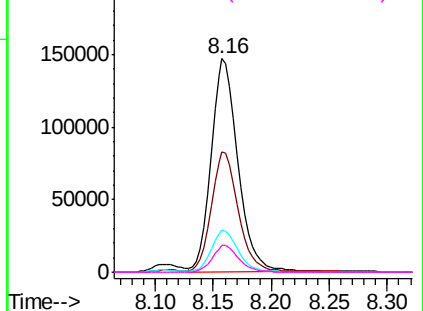
#48
2-Hexanone
Concen: 170.813 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050609

Tot Ion: 43 Resp: 238285
Ion Ratio Lower Upper
43 100
58 56.8 45.6 68.4
57 19.3 17.0 25.6
100 12.5 11.5 17.3

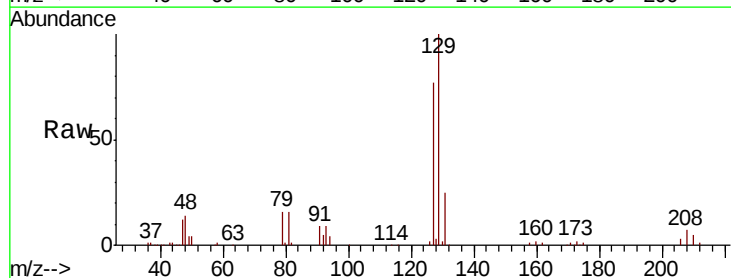


Abundance Ion 43.00 (42.70 to 43.70): VV018152.D (-2187) (-)
Ion 58.00 (57.70 to 58.70): VV018152.D (-2187) (-)
Ion 57.00 (56.70 to 57.70): VV018152.D (-2187) (-)
Ion 100.00 (99.70 to 100.70): VV018152.D (-2187) (-)

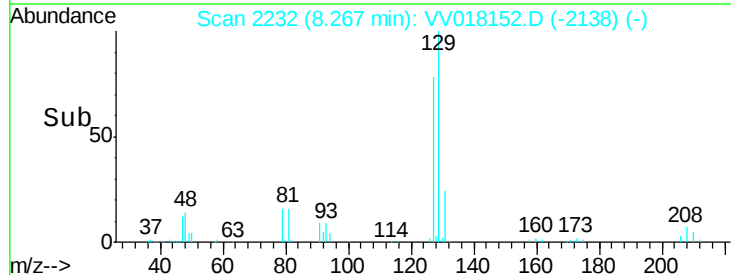
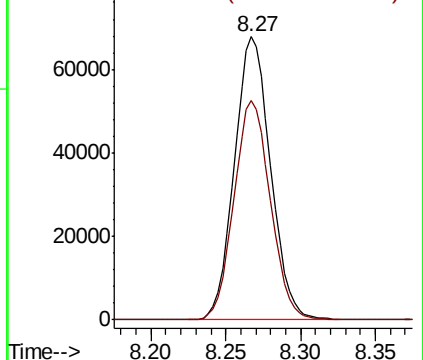


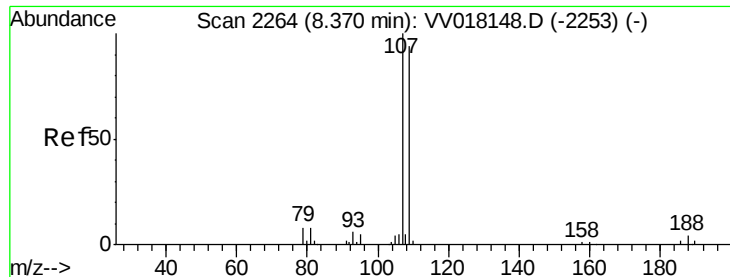
#49
Dibromochloromethane
Concen: 56.717 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Tgt Ion: 129 Resp: 114061
Ion Ratio Lower Upper
129 100
127 77.3 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): VV018152.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018152.D (-2219) (-)

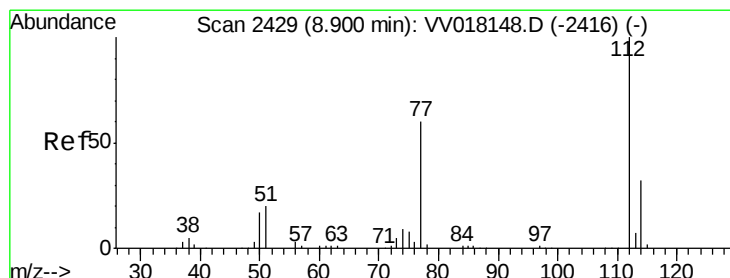
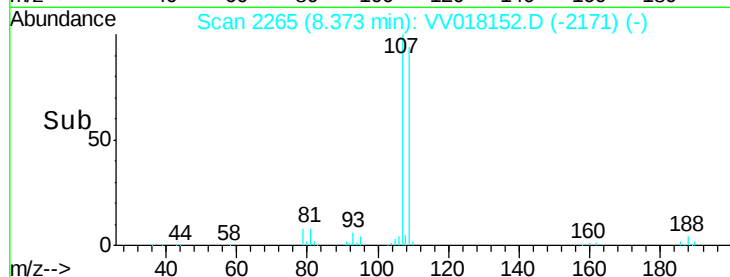
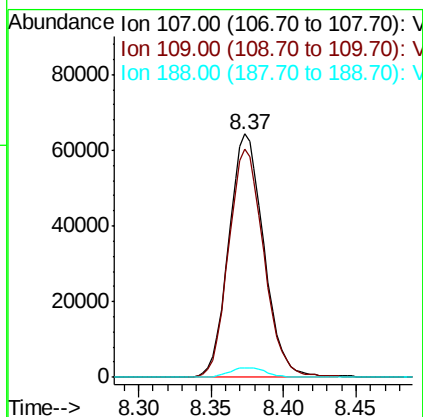
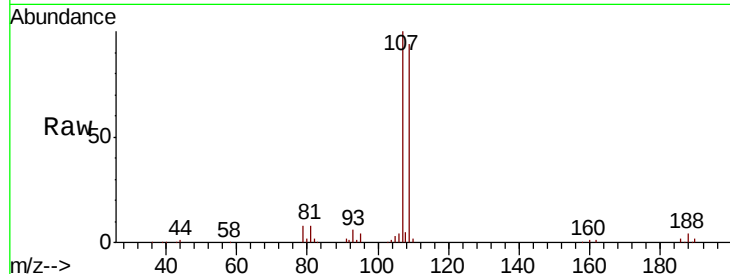




#50
1,2-Dibromoethane
Concen: 62.974 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

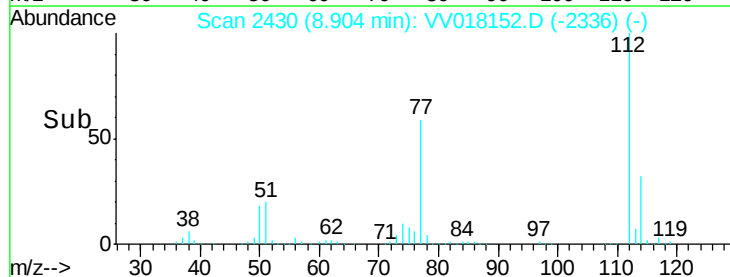
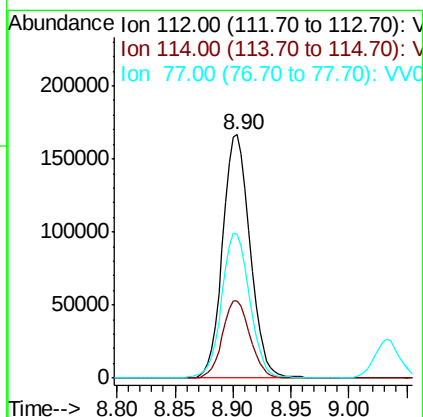
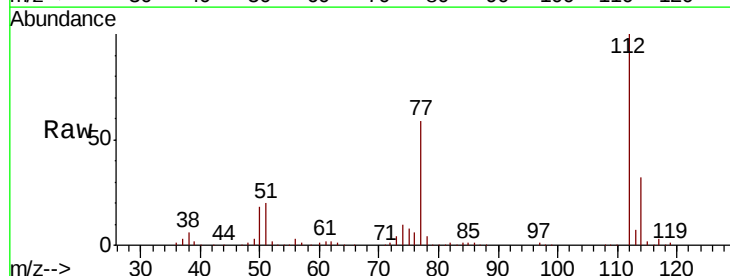
Instrument :
MSVOA_V
ClientSampleId :
VSTD050609

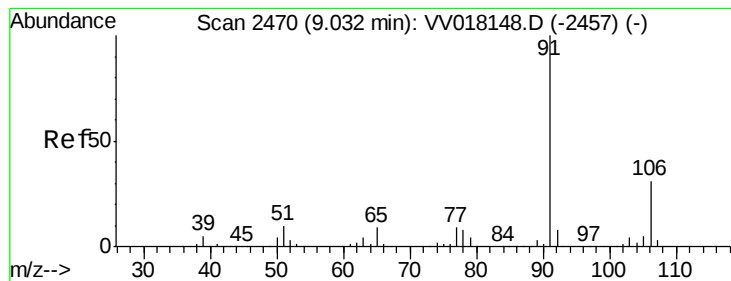
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	67.0	124.4
188	4.0	3.9	5.9



#51
Chlorobenzene
Concen: 61.756 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.8	42.4
77	59.2	44.7	67.1





#52

Ethylbenzene

Concen: 62.518 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

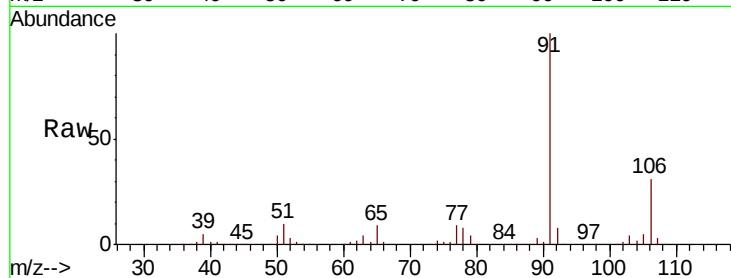
VSTD050609

Tot Ion: 91 Resp: 459426

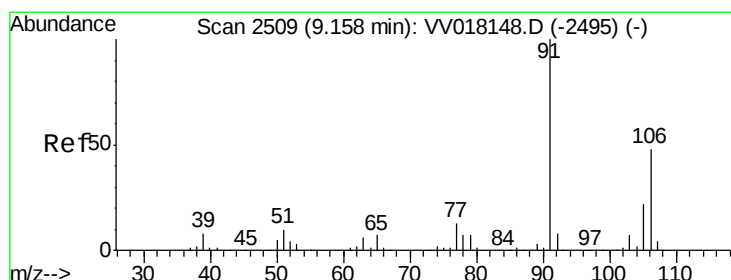
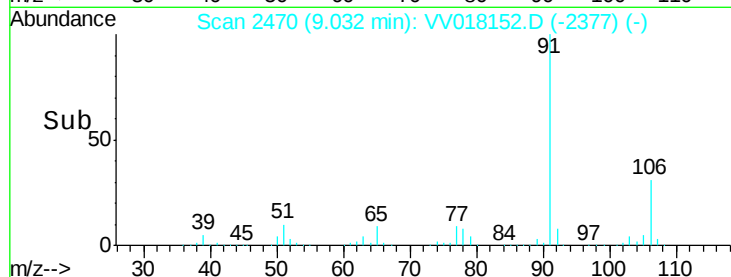
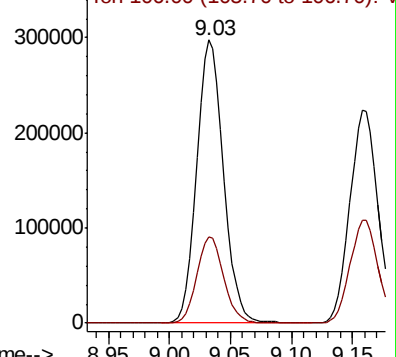
Ion Ratio Lower Upper

91 100

106 30.6 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV018152.D (-2377) (-)



#53

m,p-Xylene

Concen: 61.076 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018152.D

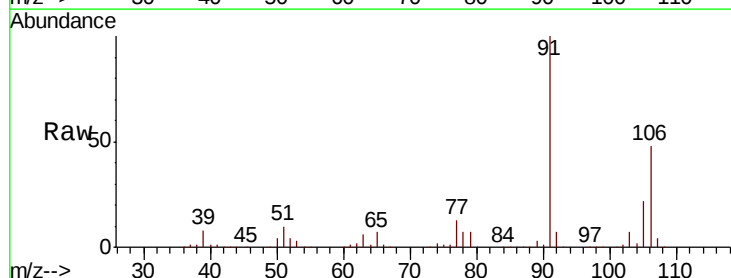
Acq: 03 Sep 2020 13:07

Tgt Ion: 106 Resp: 173144

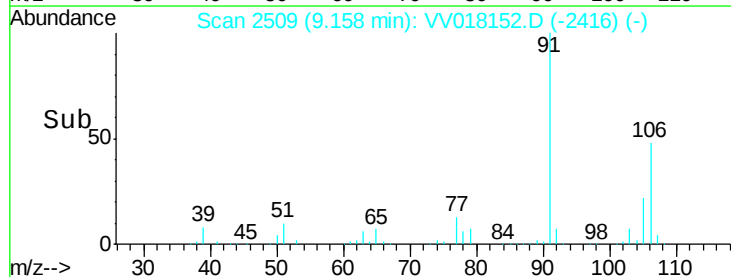
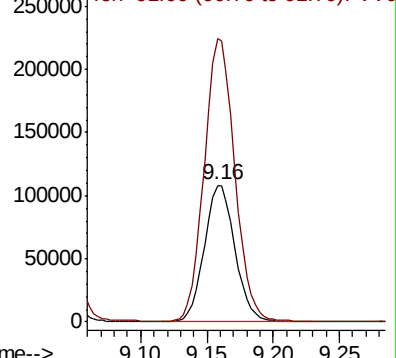
Ion Ratio Lower Upper

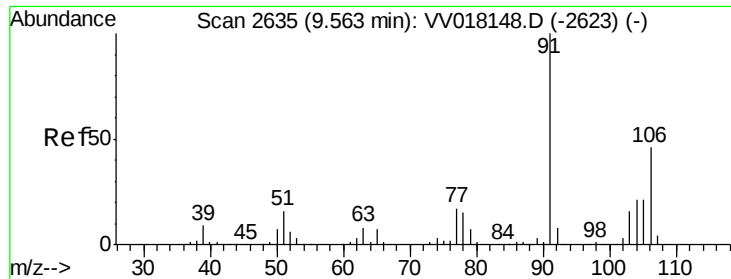
106 100

91 206.9 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018152.D (-2416) (-)

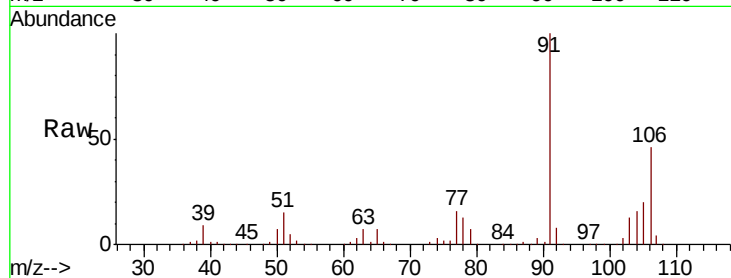




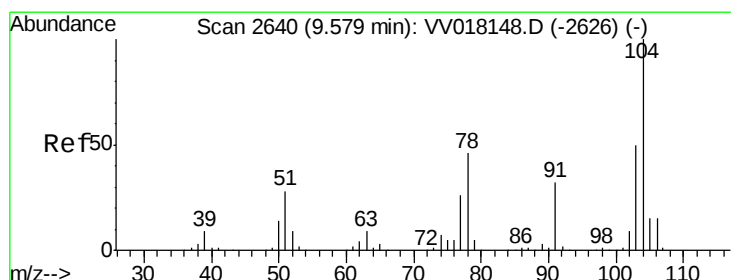
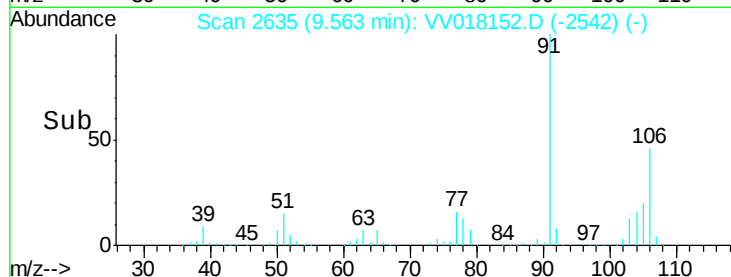
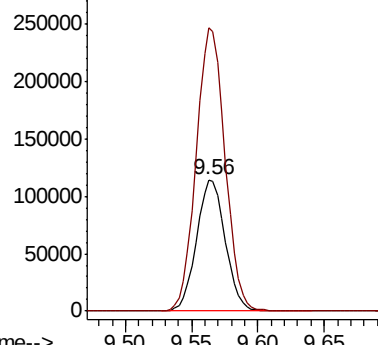
#54
o-Xylene
Concen: 61.091 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Instrument :
MSVOA_V
ClientSampleId :
VSTD050609

Tot Ion:106 Resp: 171854
Ion Ratio Lower Upper
106 100
91 215.9 150.4 279.2

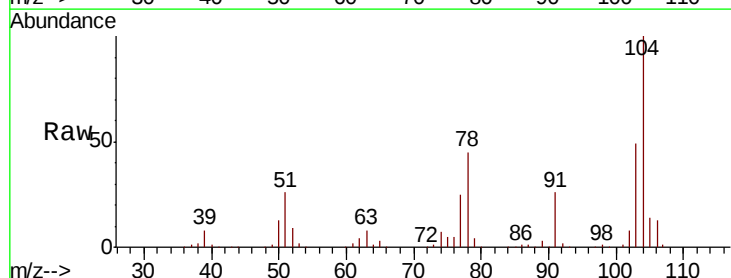


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

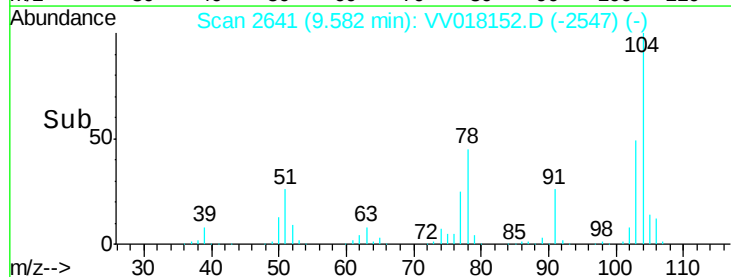
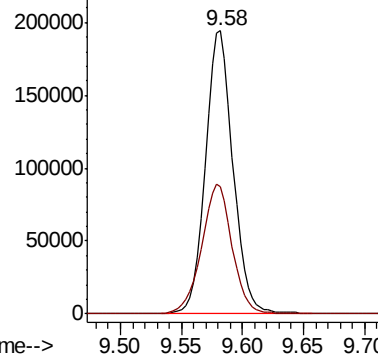


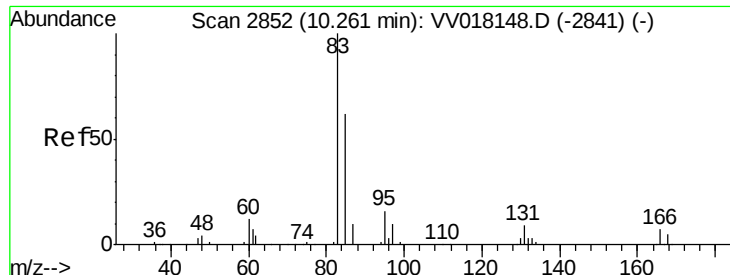
#55
Styrene
Concen: 64.389 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018152.D
Acq: 03 Sep 2020 13:07

Tgt Ion:104 Resp: 305132
Ion Ratio Lower Upper
104 100
78 44.8 32.0 59.4



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





#57

1,1,2,2-Tetrachloroethane

Concen: 69.705 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050609

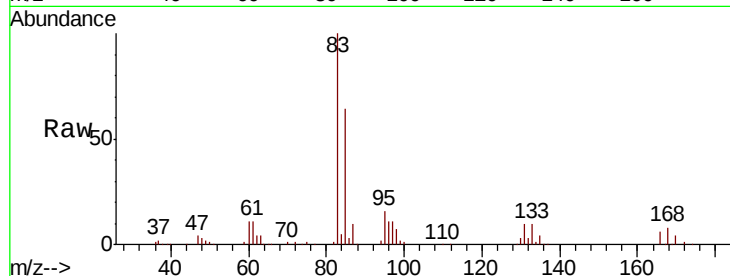
Tot Ion: 83 Resp: 166121

Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

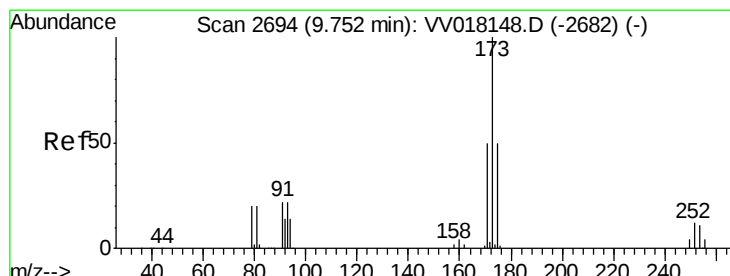
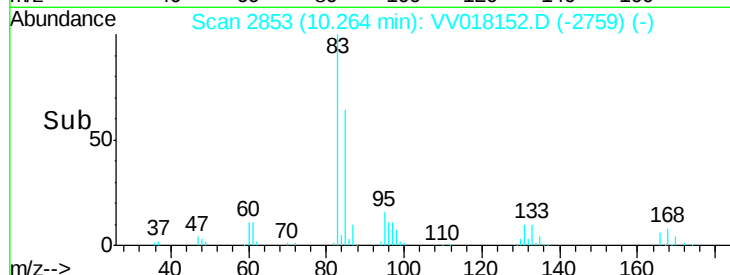
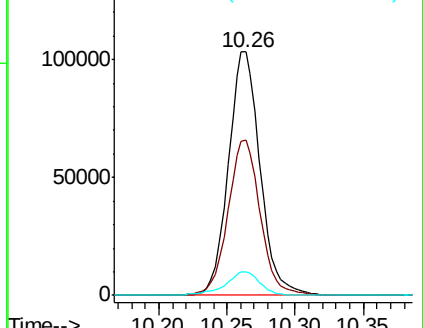
131 9.8 9.3 13.9



Abundance Ion 83.00 (82.70 to 83.70): VV018152.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV018152.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV018152.D (-2759) (-)



#59

Bromoform

Concen: 51.859 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

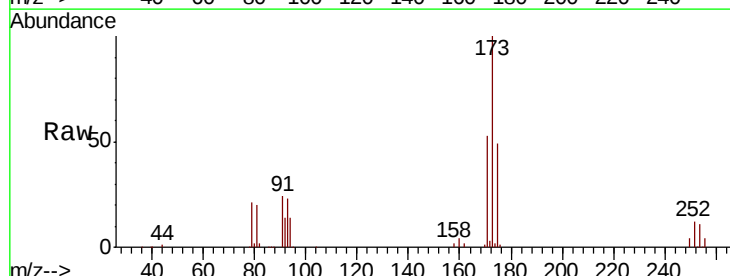
Tgt Ion: 173 Resp: 86104

Ion Ratio Lower Upper

173 100

175 49.0 38.3 57.5

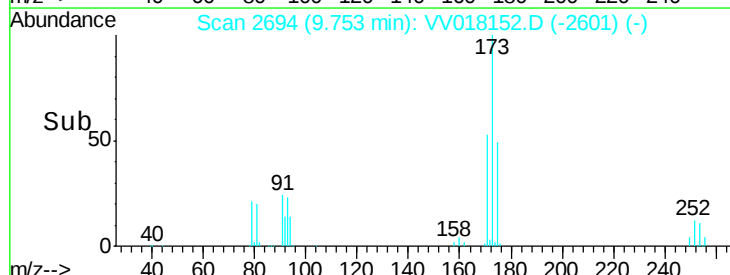
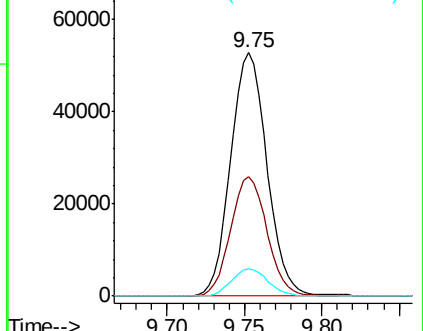
254 11.3 8.9 13.3

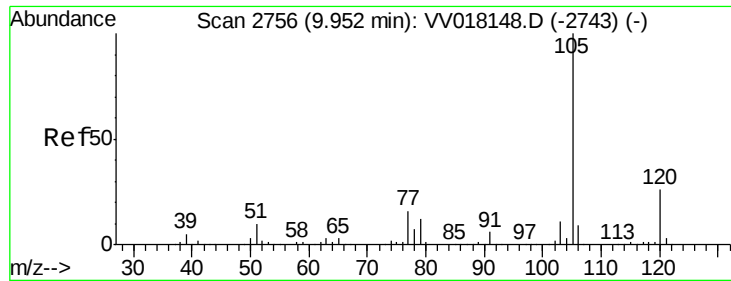


Abundance Ion 173.00 (172.70 to 173.70): VV018152.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV018152.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV018152.D (-2601) (-)





#60

Isopropylbenzene

Concen: 59.496 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050609

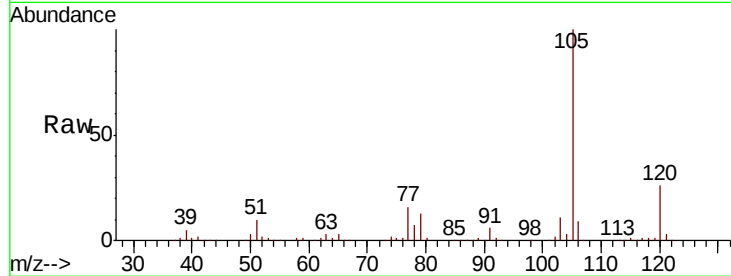
Tot Ion:105 Resp: 461022

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.0

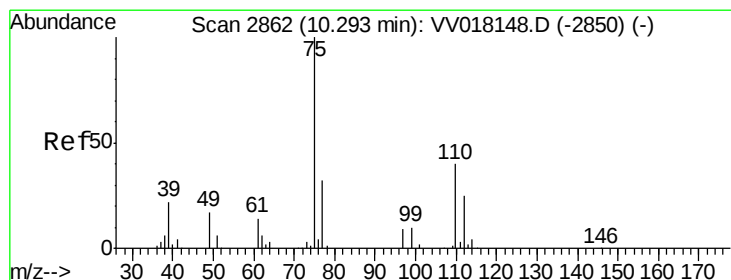
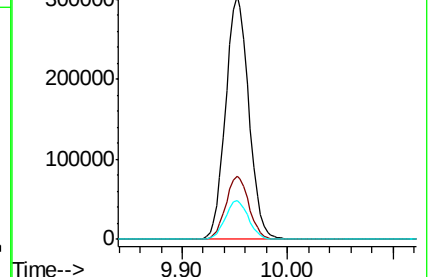
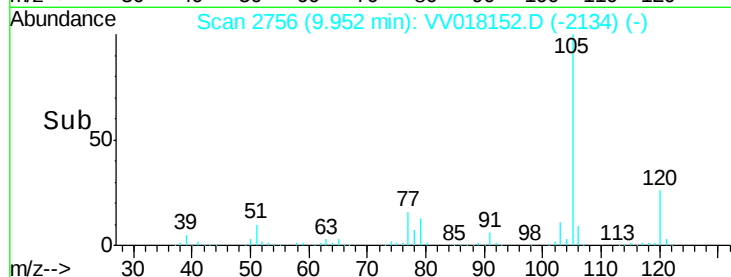
77 15.9 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 72.470 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

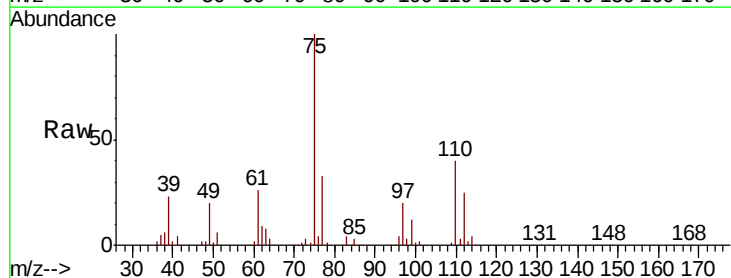
Tgt Ion: 75 Resp: 139294

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

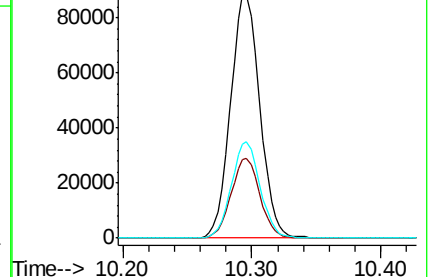
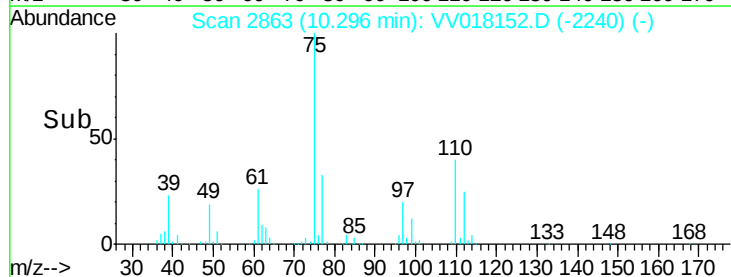
110 38.7 34.2 51.4

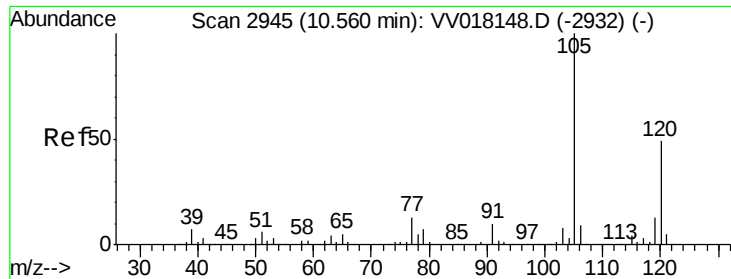


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

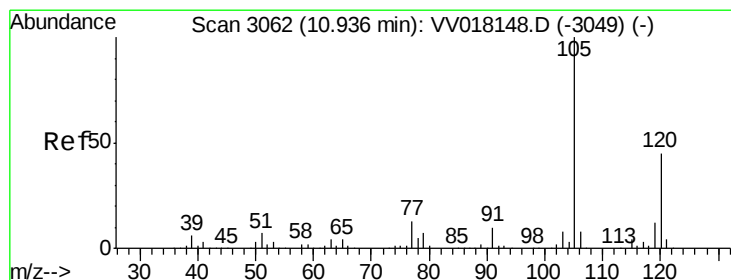
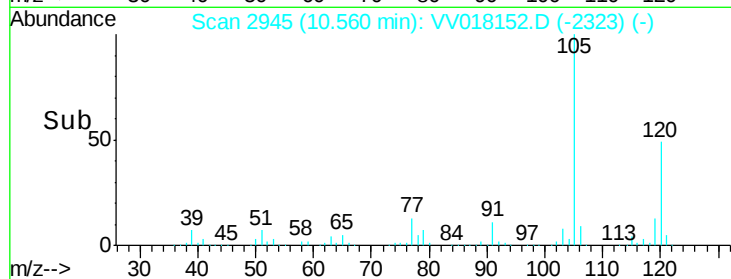
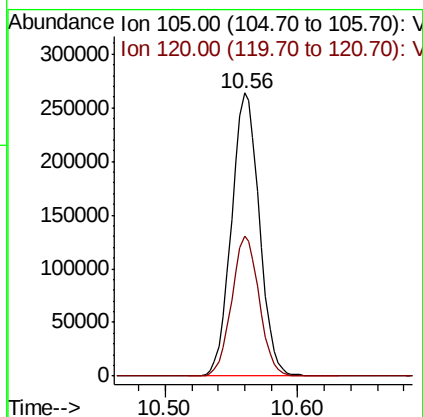
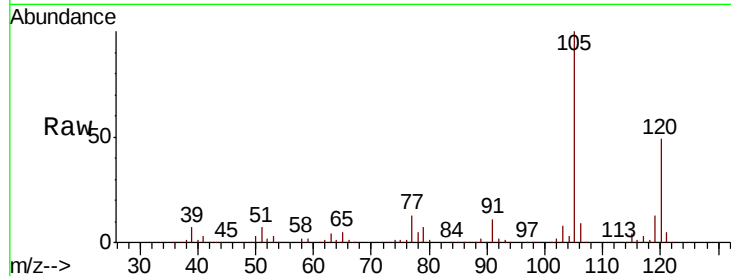




#62
 1,3,5-Trimethylbenzene
 Concen: 57.478 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

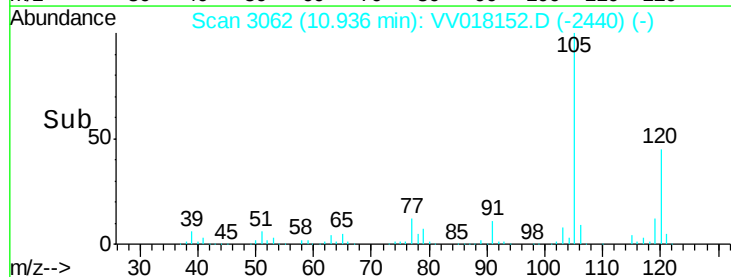
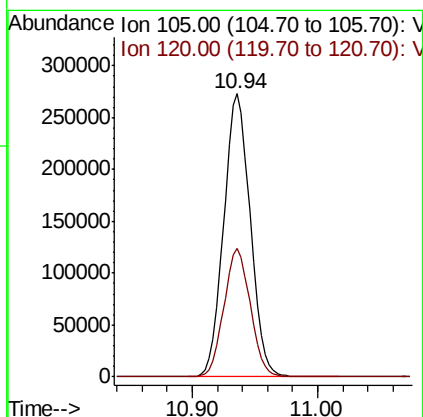
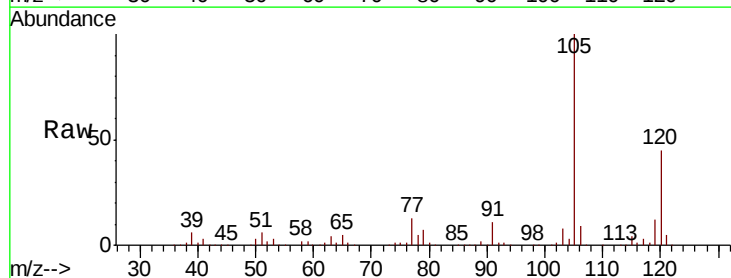
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

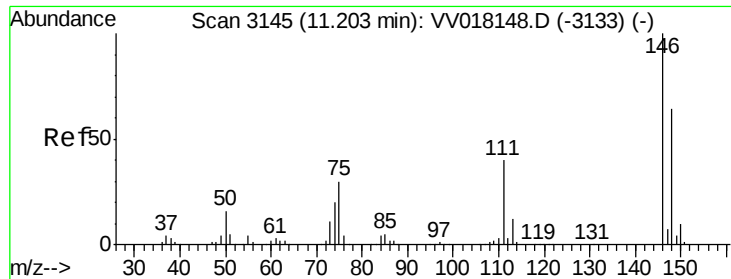
Tot Ion:105 Resp: 385031
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 60.444 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

Tgt Ion:105 Resp: 399630
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.7 55.1

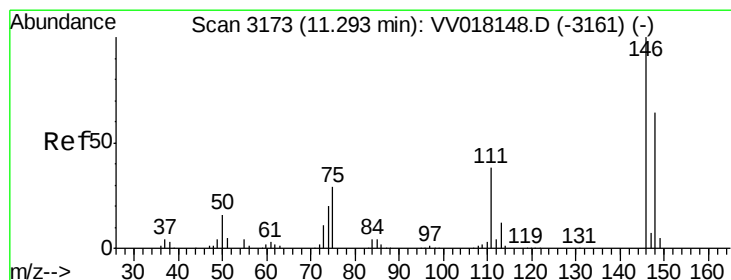
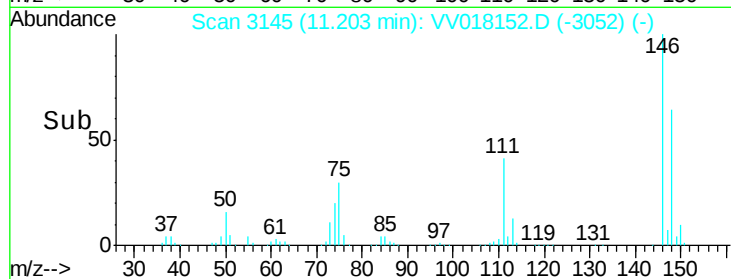
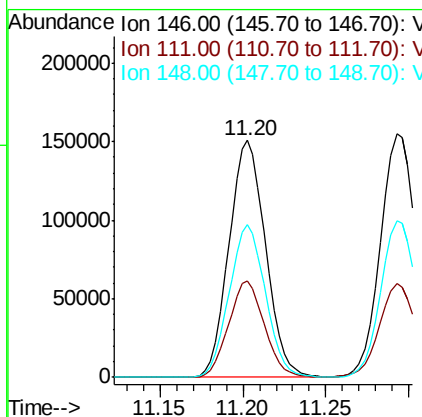
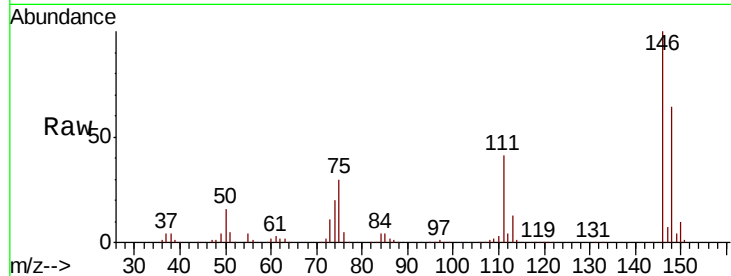




#64
 1,3-Dichlorobenzene
 Concen: 59.173 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

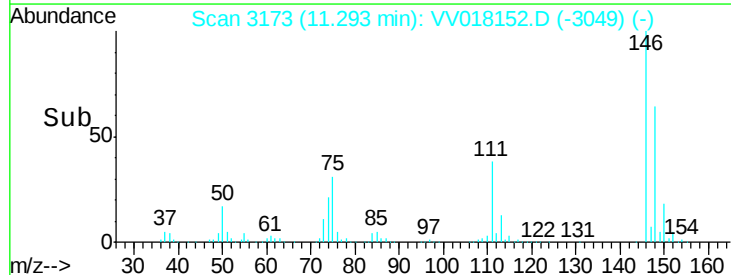
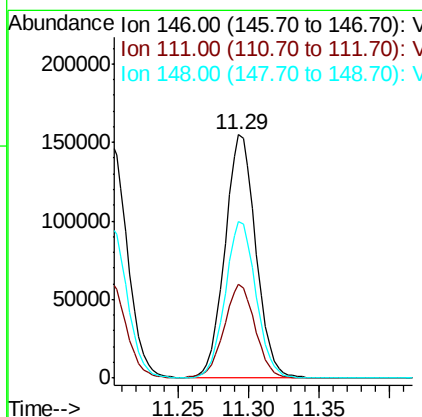
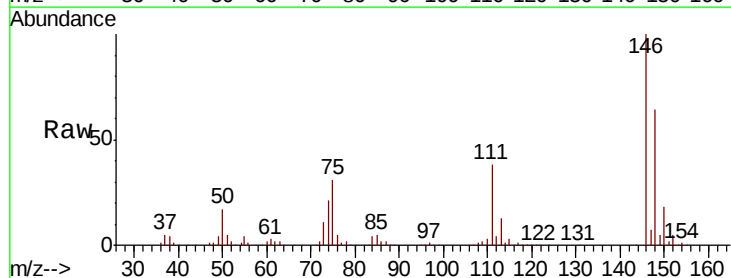
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

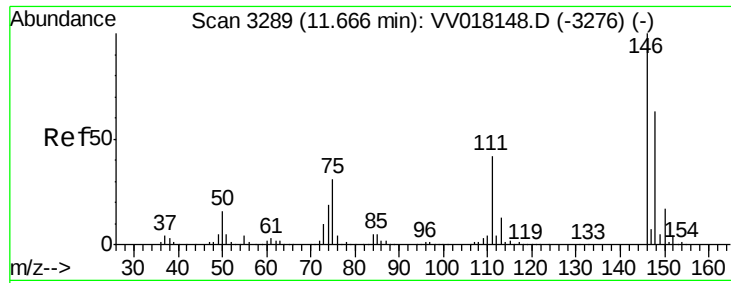
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	26.8	49.8
148	64.2	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 59.822 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	25.8	47.8
148	64.2	45.2	84.0





#67

1,2-Dichlorobenzene

Concen: 58.724 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

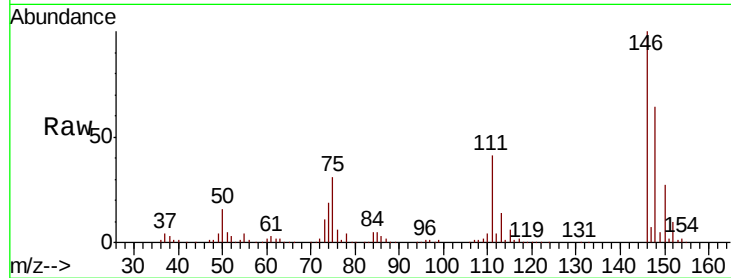
MSVOA_V

ClientSampleId :

VSTD050609

Tot Ion:146 Resp: 234260

Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.2	48.2
148	63.7	53.2	79.8

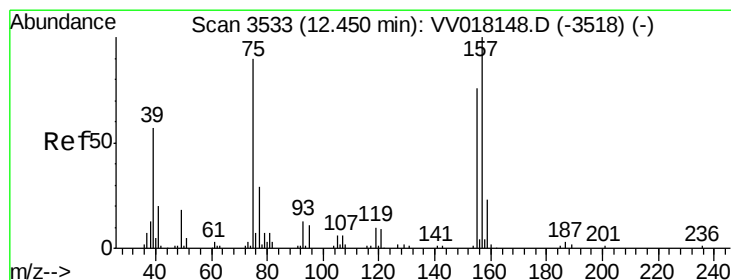
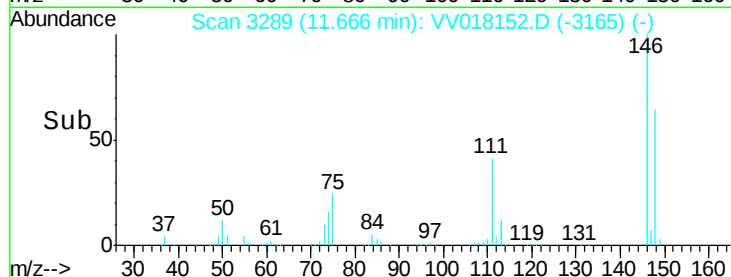
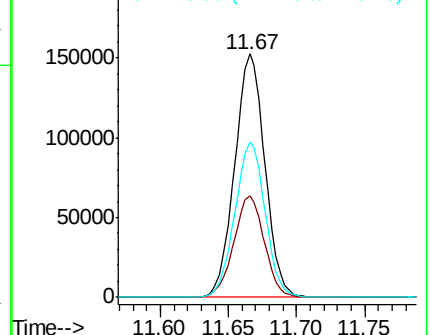


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 57.129 ug/L

RT: 12.45 min Scan# 3533

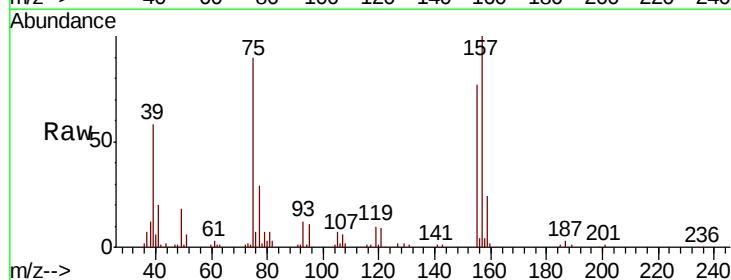
Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Tgt Ion: 75 Resp: 36189

Ion	Ratio	Lower	Upper
75	100		
155	85.8	81.2	121.8
157	111.1	102.3	153.5

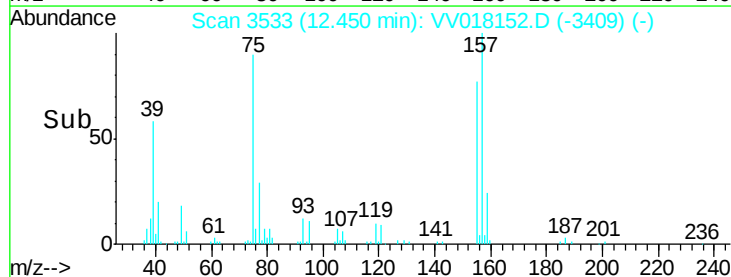
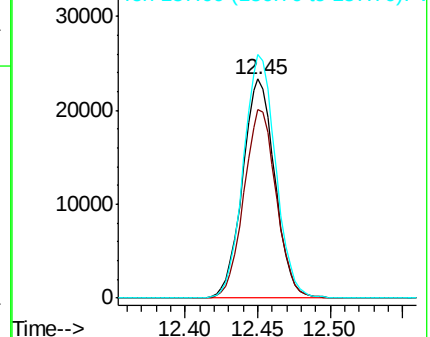


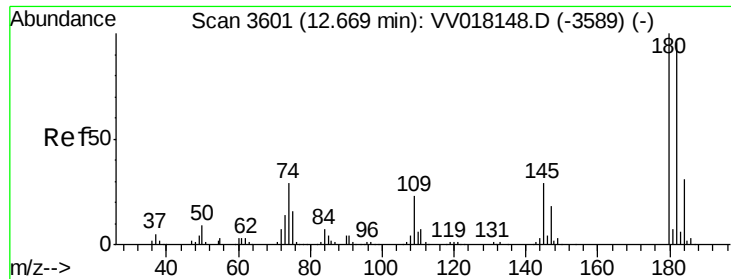
Abundance

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

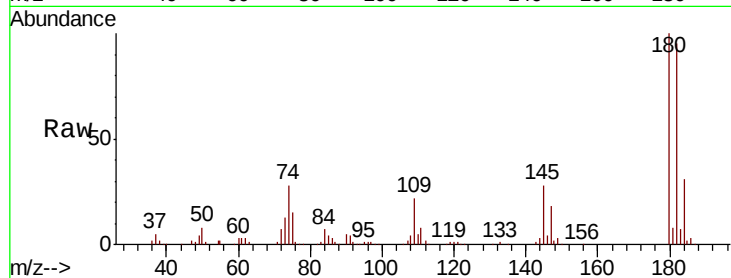




#69
 1,3,5-Trichlorobenzene
 Concen: 57.771 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
184	30.8	24.6	36.8
145	28.8	22.5	33.7

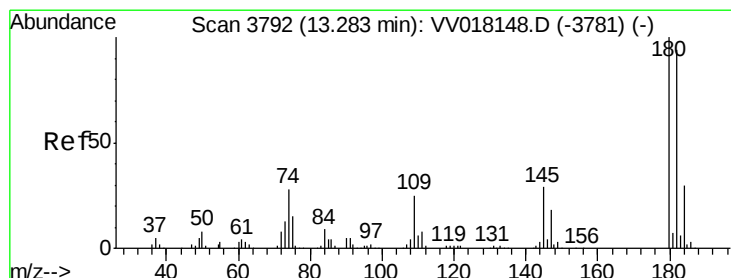
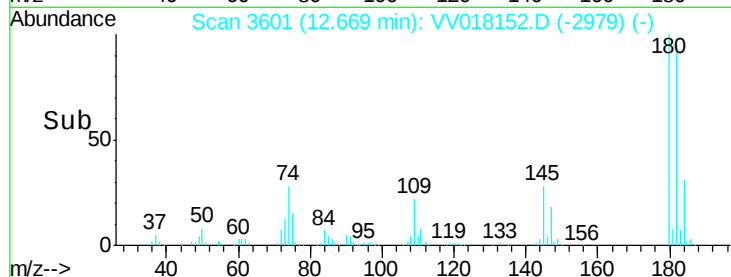
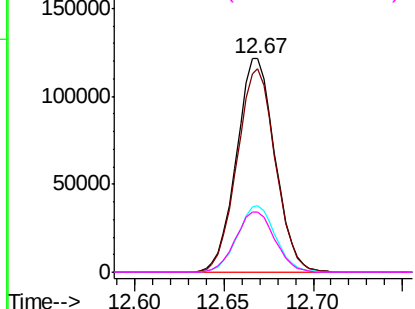


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

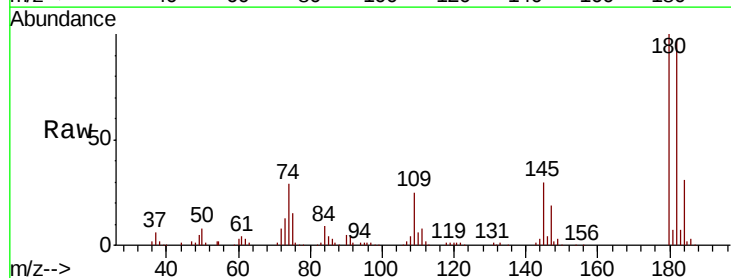
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 63.075 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018152.D
 Acq: 03 Sep 2020 13:07

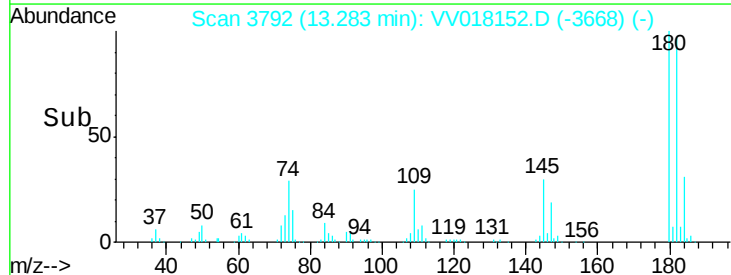
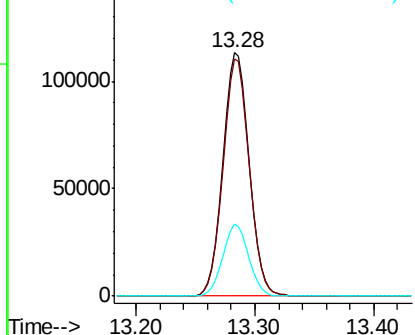
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
145	29.1	23.3	34.9

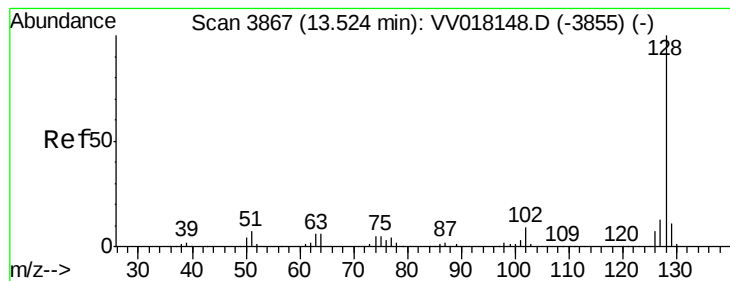


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#71

Naphthalene

Concen: 70.309 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

Instrument :

MSVOA_V

ClientSampleId :

VSTD050609

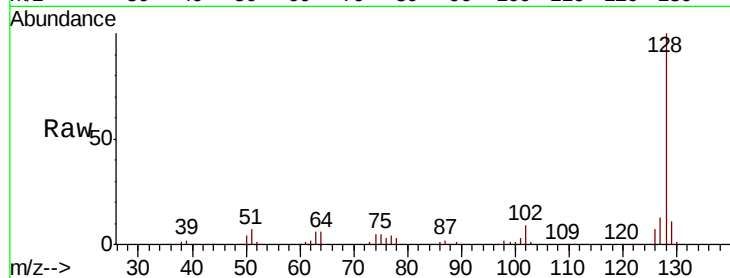
Tot Ion:128 Resp: 489700

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

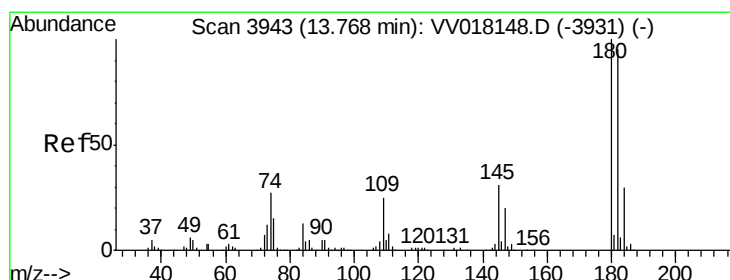
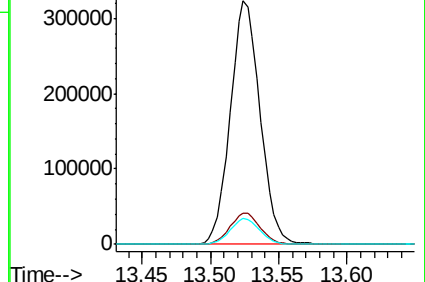
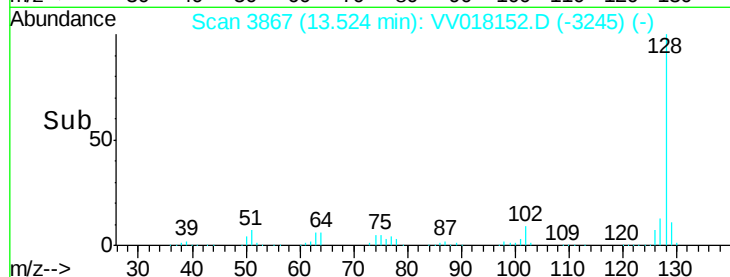
129 10.7 8.6 12.8



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



#72

1,2,3-Trichlorobenzene

Concen: 64.668 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018152.D

Acq: 03 Sep 2020 13:07

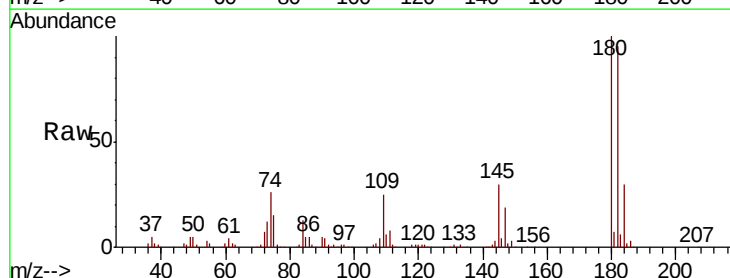
Tgt Ion:180 Resp: 178837

Ion Ratio Lower Upper

180 100

182 94.6 77.2 115.8

145 31.1 24.6 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

