

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016650.D
 Acq On : 08 Jun 2020 11:02
 Operator : SY/MD
 Sample : VSTD05065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Quant Time: Jun 09 00:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 00:27:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	383379	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	362057	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	184827	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144529	52.52	ug/L	0.00
7) Chloroethane-d5	1.56	69	87544	45.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	236477	48.93	ug/L	0.00
21) 2-Butanone-d5	3.90	46	218456	118.91	ug/L	0.00
24) Chloroform-d	4.38	84	288250	54.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	196388	55.70	ug/L	0.00
32) Benzene-d6	5.07	84	555526	55.82	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	173927	55.84	ug/L	0.00
41) Toluene-d8	7.34	98	509735	56.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	87777	57.58	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	158131	117.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	231799	55.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	207681	57.19	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	155834	48.032	ug/L 100
3) Chloromethane	1.25	50	140656	45.792	ug/L 100
5) Vinyl chloride	1.32	62	144610	48.102	ug/L 100
6) Bromomethane	1.52	94	53002	35.812	ug/L 100
8) Chloroethane	1.58	64	72422	44.129	ug/L 100
9) Trichlorofluoromethane	1.76	101	211082	48.461	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104498	46.528	ug/L 100
12) 1,1-Dichloroethene	2.13	96	98155	45.812	ug/L 100
13) Acetone	2.17	43	126813	78.730	ug/L 100
14) Carbon disulfide	2.31	76	351635	46.989	ug/L 100
15) Methyl Acetate	2.44	43	150128	48.989	ug/L 100
16) Methylene chloride	2.52	84	141755	46.275	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	131055	47.846	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	443950	51.422	ug/L 100
19) 1,1-Dichloroethane	3.21	63	251275	49.197	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	145401	48.984	ug/L 100
22) 2-Butanone	3.98	43	214363	102.659	ug/L 100
23) Bromochloromethane	4.27	128	76086	49.685	ug/L 100
25) Chloroform	4.40	83	260021	48.815	ug/L 100
27) 1,2-Dichloroethane	5.15	62	218040	50.075	ug/L 100
29) Cyclohexane	4.70	56	230512	51.731	ug/L 100
30) 1,1,1-Trichloroethane	4.63	97	235719	51.522	ug/L 100
31) Carbon tetrachloride	4.85	117	206022	52.046	ug/L 100
33) Benzene	5.13	78	549271	50.215	ug/L 100
34) Trichloroethene	5.94	95	144632	50.154	ug/L 100
35) Methylcyclohexane	6.15	83	226810	53.978	ug/L 100
37) 1,2-Dichloropropane	6.20	63	143359	50.289	ug/L 100
38) Bromodichloromethane	6.53	83	192284	51.997	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	225524	53.628	ug/L 100
40) 4-Methyl-2-pentanone	7.24	43	421422	105.971	ug/L 100

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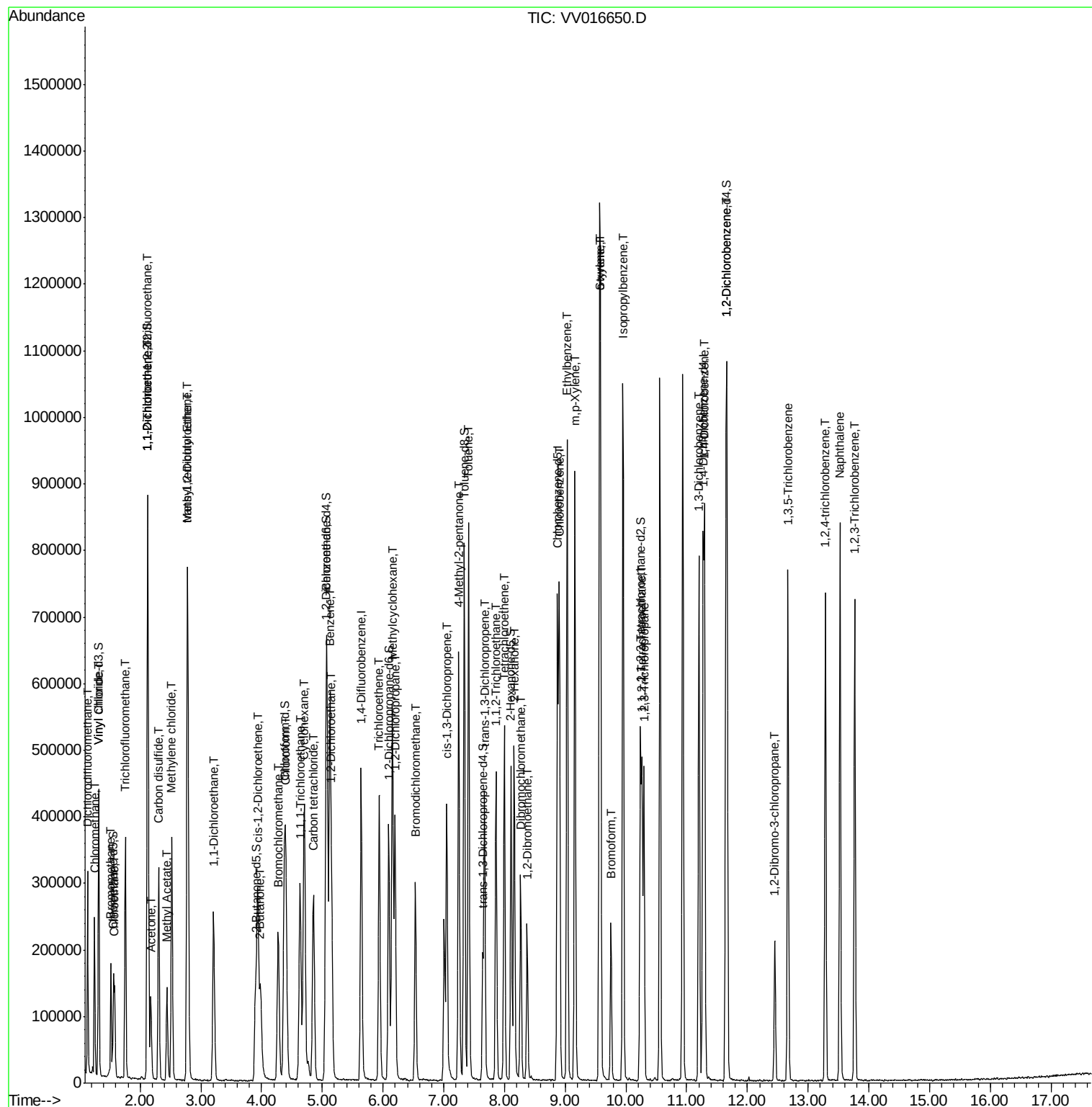
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	583807	50.448	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	223810	54.049	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	137029	49.761	ug/L	100
46) Tetrachloroethene	8.00	164	114060	51.131	ug/L	100
48) 2-Hexanone	8.16	43	321781	104.200	ug/L	100
49) Dibromochloromethane	8.27	129	150260	54.814	ug/L	100
50) 1,2-Dibromoethane	8.37	107	144060	49.512	ug/L	100
51) Chlorobenzene	8.90	112	371436	48.850	ug/L	100
52) Ethylbenzene	9.03	91	655199	51.632	ug/L	100
53) m,p-Xylene	9.16	106	247139	51.756	ug/L	100
54) o-xylene	9.57	106	239077	51.723	ug/L	100
55) Styrene	9.58	104	410772	51.054	ug/L	100
56) Isopropylbenzene	9.95	105	647983	53.447	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	212689	48.389	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	176003	49.233	ug/L	100
61) Bromoform	9.75	173	101261	59.922	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	301652	50.768	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	304243	49.552	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	305678	50.974	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	48986	53.017	ug/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	221598	54.362	ug/L	100
68) 1,2,4-trichlorobenzene	13.29	180	207136	54.713	ug/L	100
69) Naphthalene	13.53	128	627330	54.264	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	205156	56.472	ug/L	100

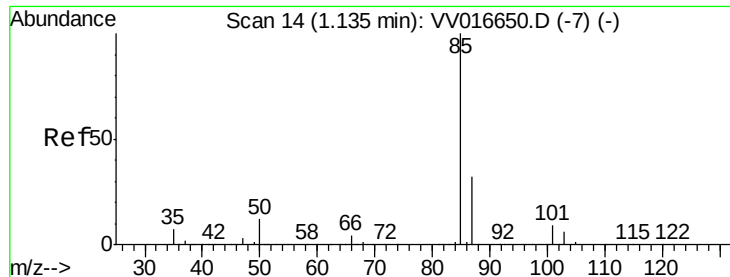
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.032 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

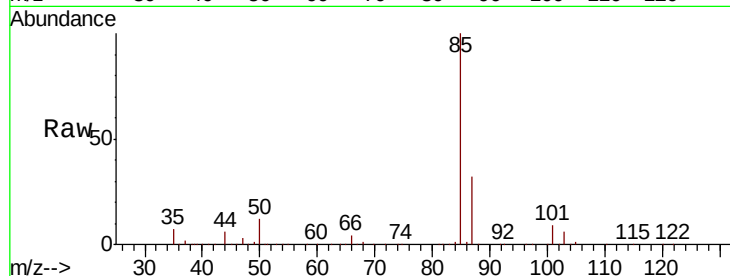
VSTD05065

Tot Ion: 85 Resp: 155834

Ion Ratio Lower Upper

85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016650.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV016650.D (-7) (-)

1.14

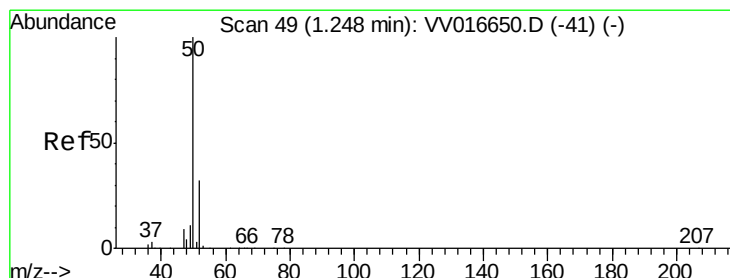
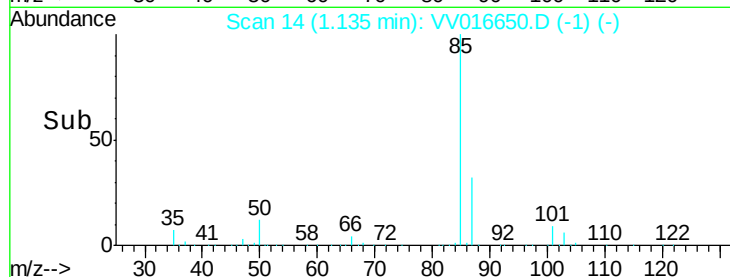
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.792 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016650.D

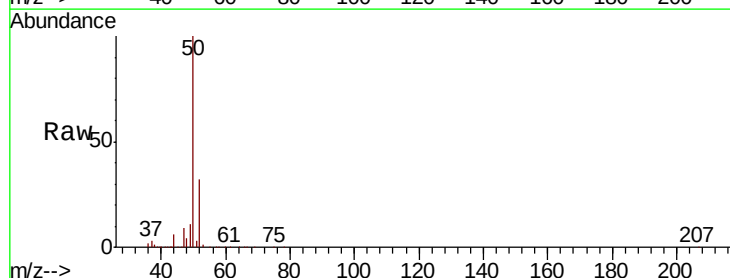
Acq: 08 Jun 2020 11:02

Tgt Ion: 50 Resp: 140656

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016650.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV016650.D (-41) (-)

1.25

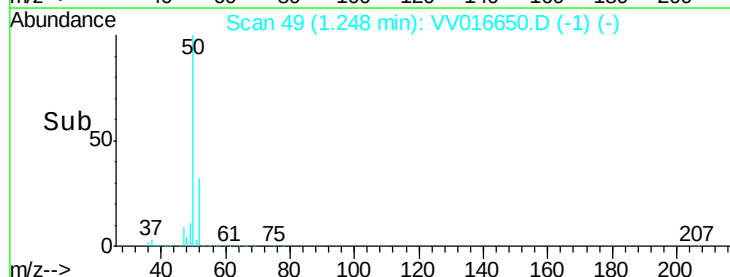
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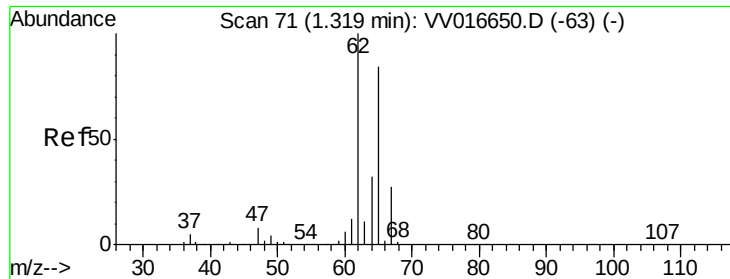
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.102 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

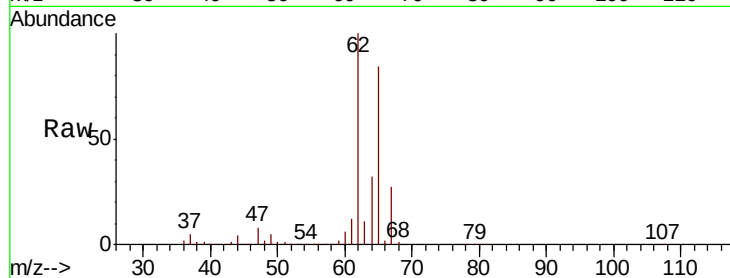
VSTD05065

Tot Ion: 62 Resp: 144610

Ion Ratio Lower Upper

62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

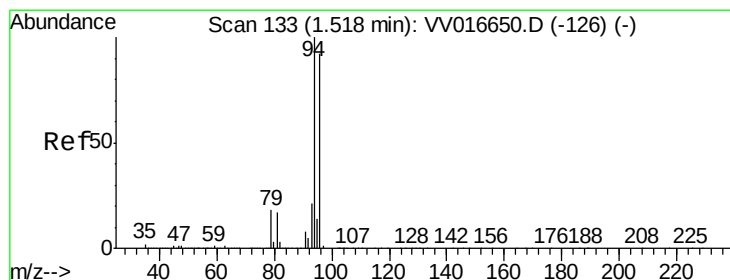
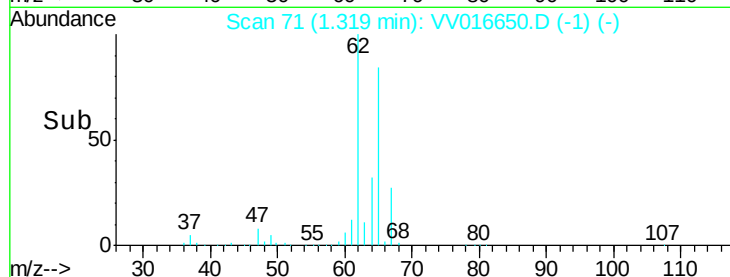
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 35.812 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV016650.D

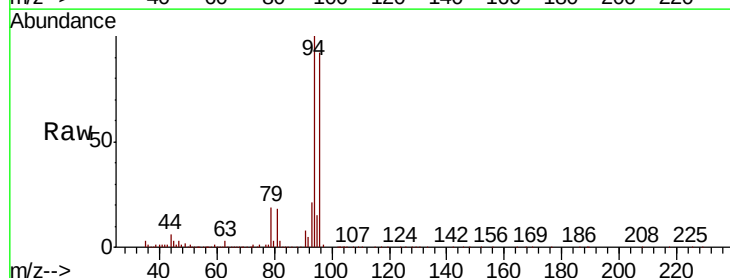
Acq: 08 Jun 2020 11:02

Tgt Ion: 94 Resp: 53002

Ion Ratio Lower Upper

94 100

96 92.2 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

60000

50000

40000

30000

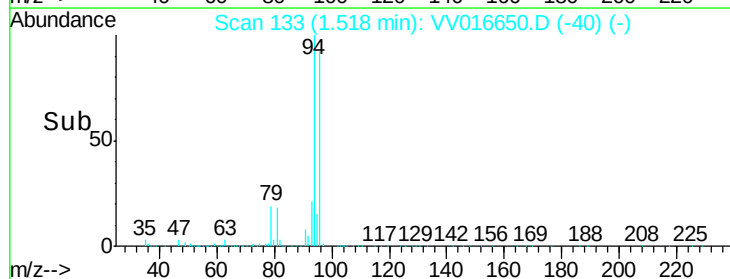
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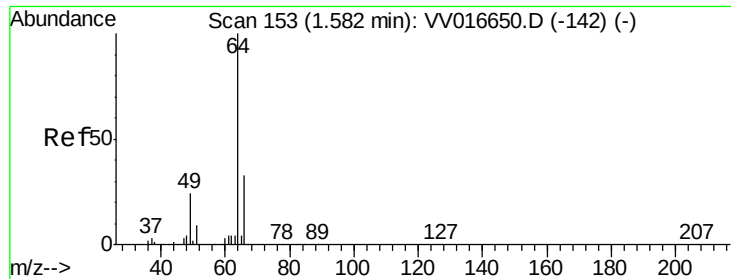
10000

0

1.50 1.55 1.60

Time-->

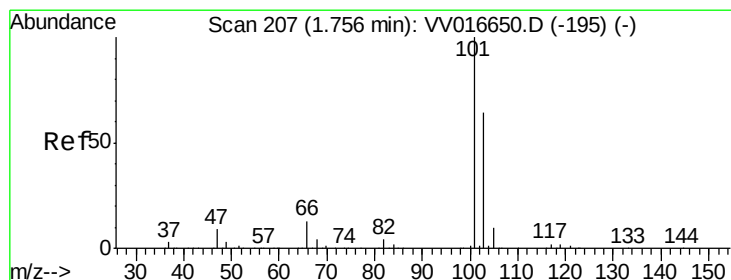
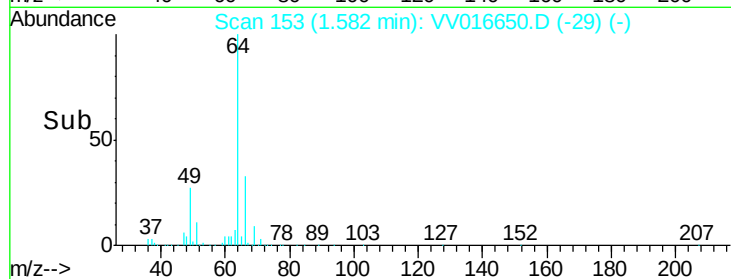
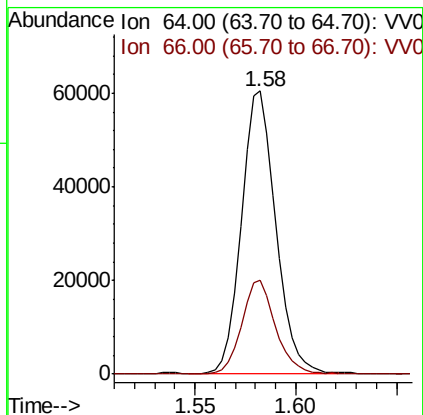
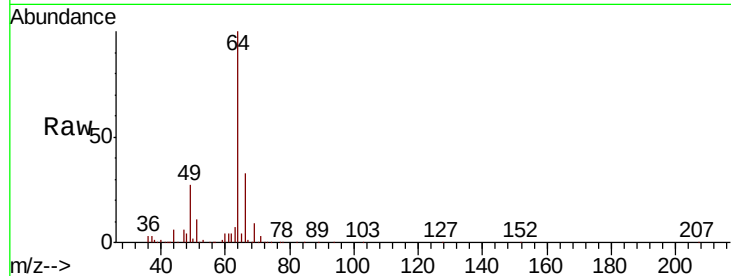




#8
Chloroethane
Concen: 44.129 ug/L
RT: 1.58 min Scan# 153
Delta R.T. 0.00 min
Lab File: VV016650.D
Acq: 08 Jun 2020 11:02

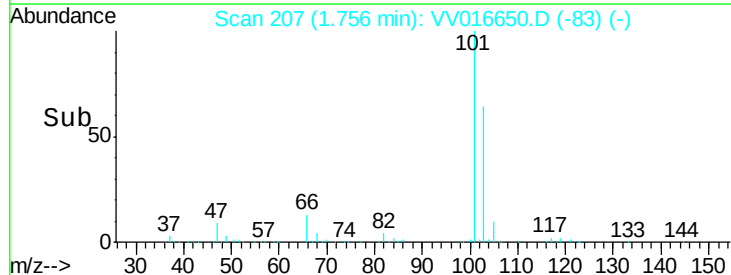
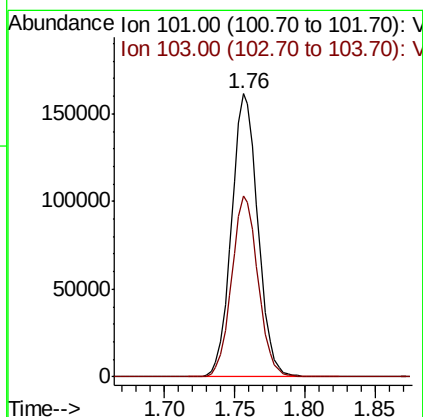
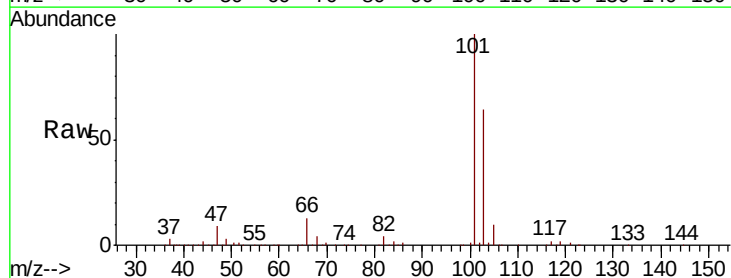
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

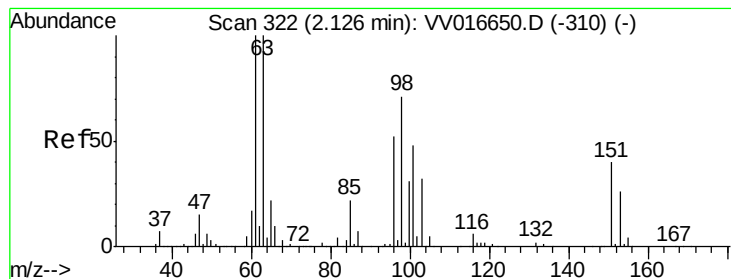
Tot Ion: 64 Resp: 72422
Ion Ratio Lower Upper
64 100
66 33.1 23.2 43.0



#9
Trichlorofluoromethane
Concen: 48.461 ug/L
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV016650.D
Acq: 08 Jun 2020 11:02

Tgt Ion: 101 Resp: 211082
Ion Ratio Lower Upper
101 100
103 64.1 51.3 76.9





#10

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

Concen: 46.528 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

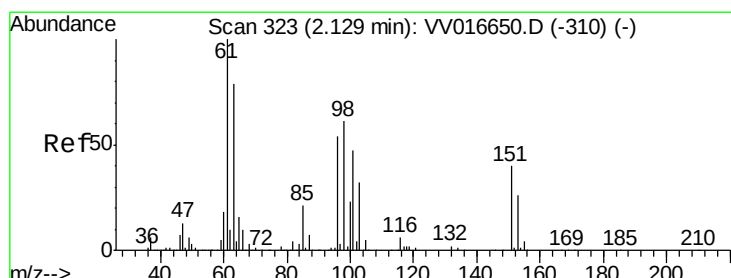
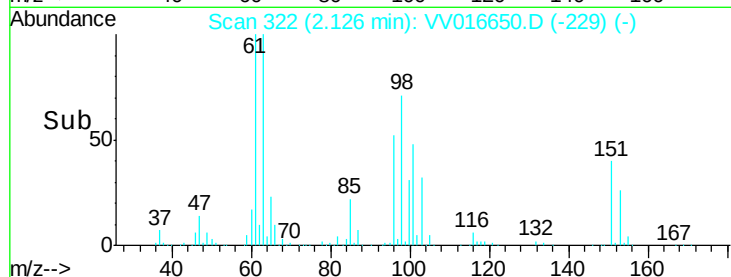
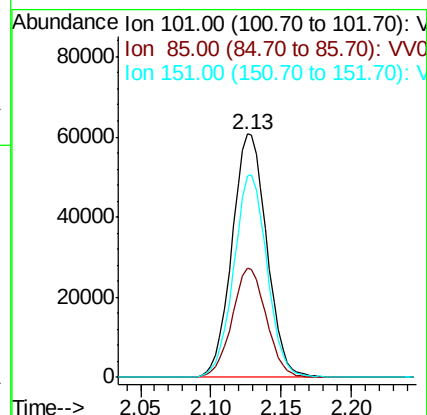
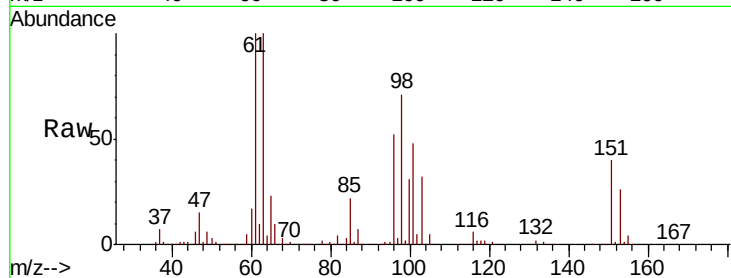
Tot Ion:101 Resp: 104498

Ion Ratio Lower Upper

101 100

85 44.4 35.5 53.3

151 79.9 63.9 95.9



#12

1,1-Dichloroethene

Concen: 45.812 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

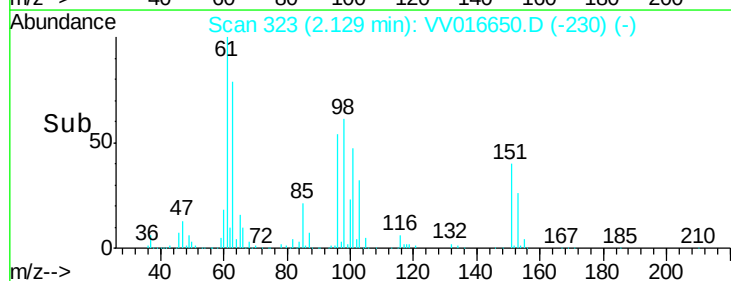
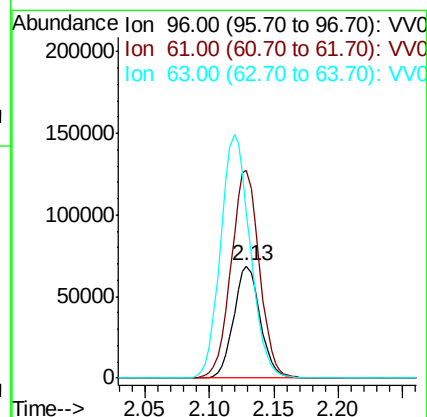
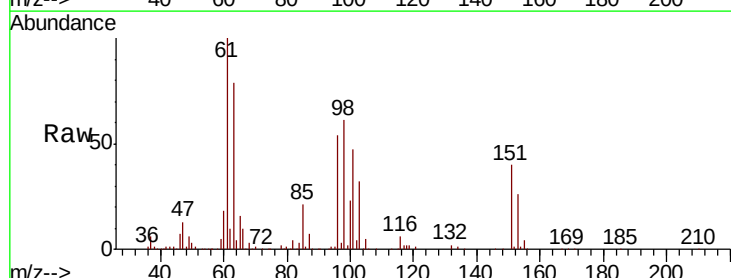
Tgt Ion: 96 Resp: 98155

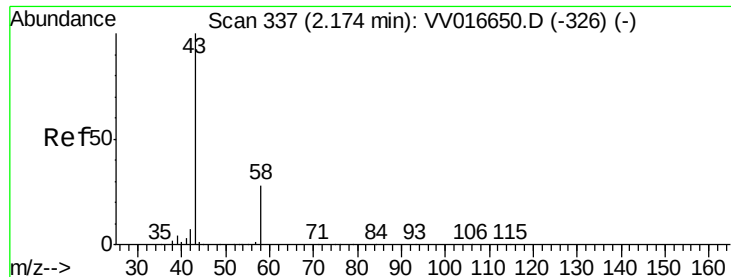
Ion Ratio Lower Upper

96 100

61 186.3 130.4 242.2

63 147.6 103.3 191.9





#13

Acetone

Concen: 78.730 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

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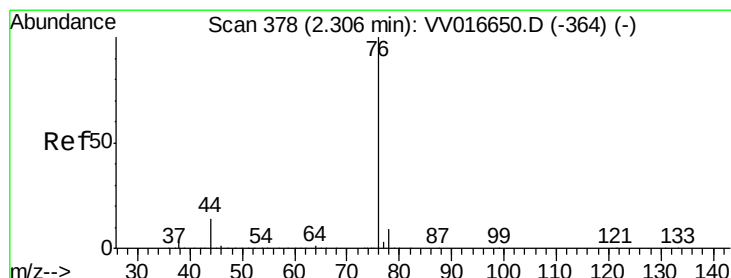
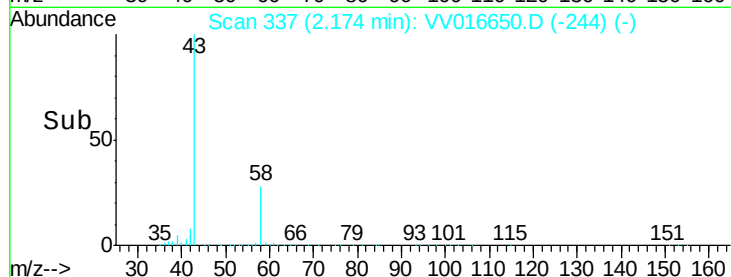
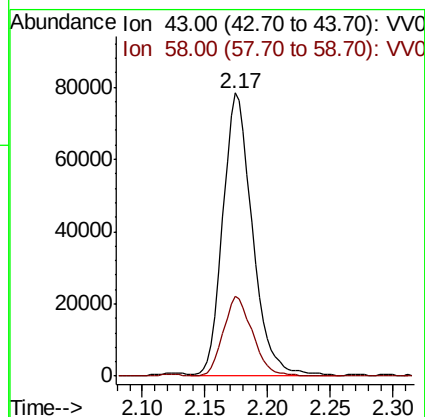
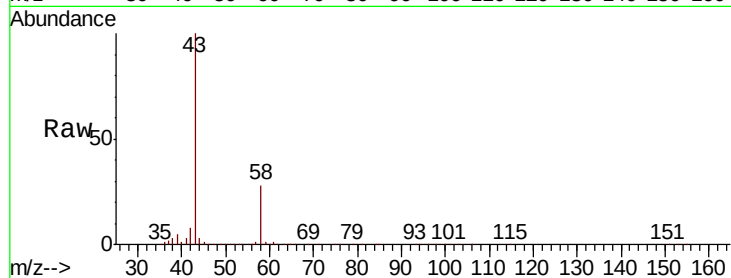
VSTD05065

Tot Ion: 43 Resp: 126813

Ion Ratio Lower Upper

43 100

58 27.6 0.0 55.2



#14

Carbon disulfide

Concen: 46.989 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016650.D

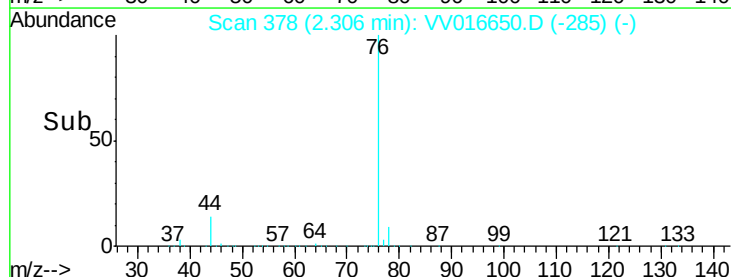
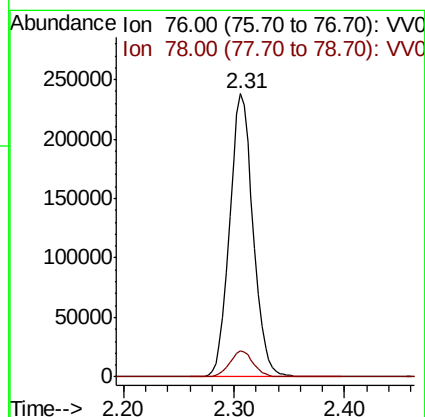
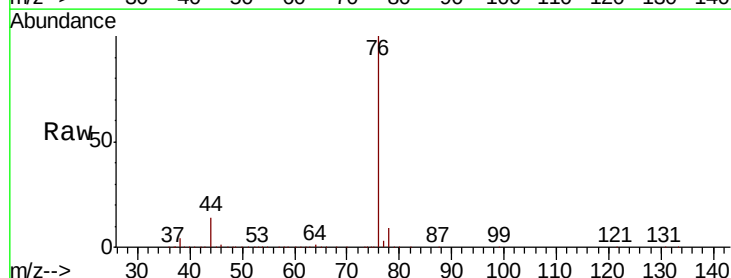
Acq: 08 Jun 2020 11:02

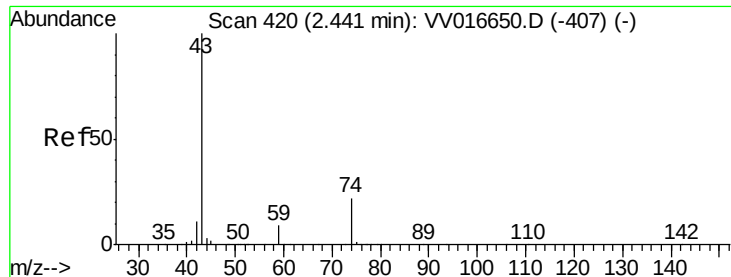
Tgt Ion: 76 Resp: 351635

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

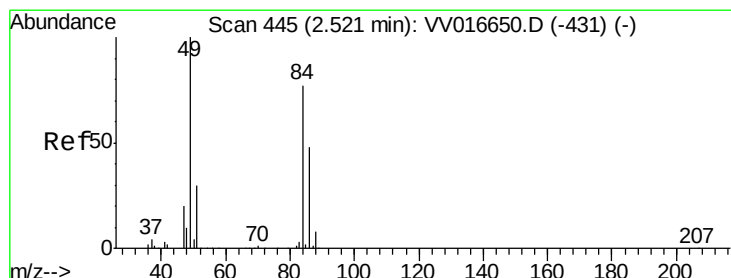
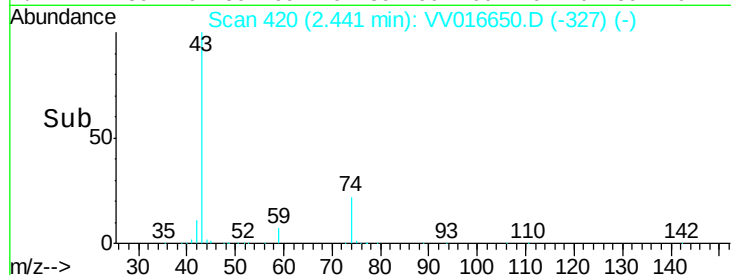
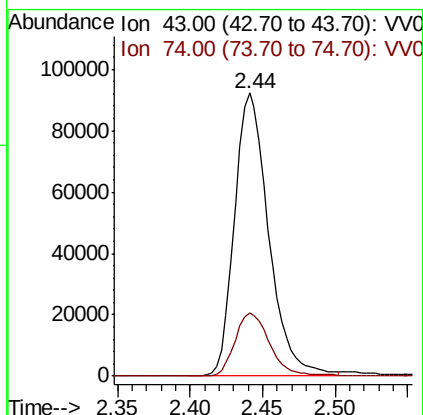
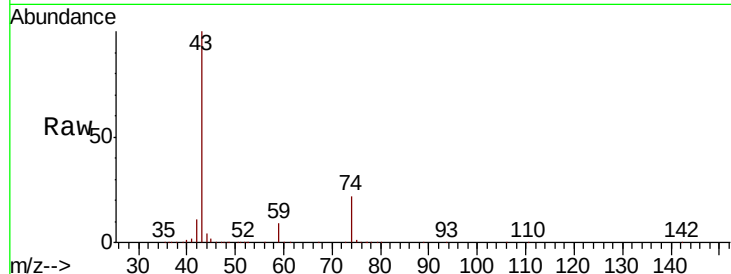




#15
Methvl Acetate
Concen: 48.989 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV016650.D
Acq: 08 Jun 2020 11:02

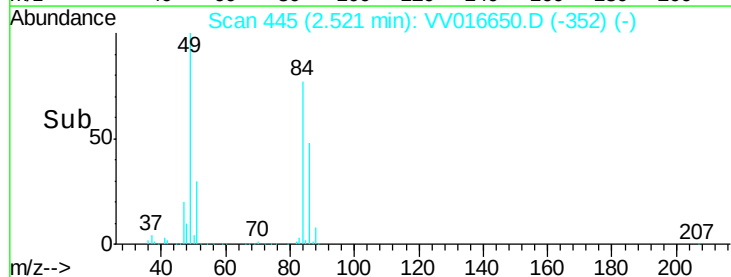
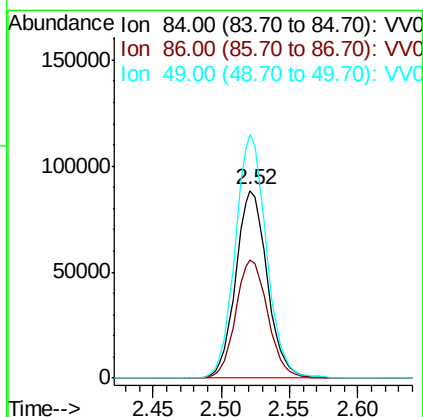
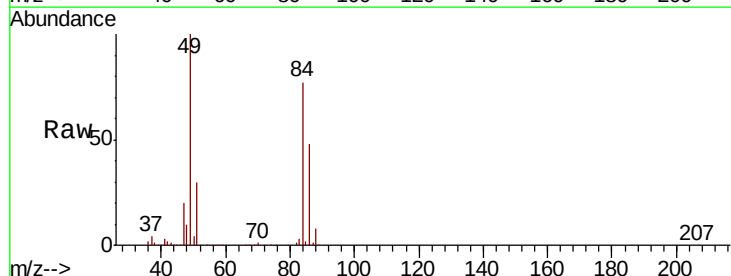
Instrument :
MSVOA_V
ClientSampled :
VSTD05065

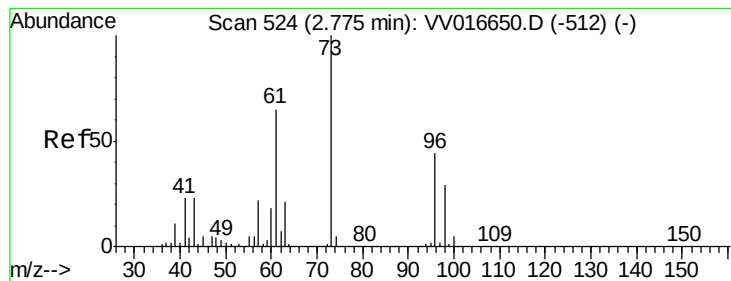
Tot Ion: 43 Resp: 150128
Ion Ratio Lower Upper
43 100
74 22.4 17.9 26.9



#16
Methylene chloride
Concen: 46.275 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016650.D
Acq: 08 Jun 2020 11:02

Tgt Ion: 84 Resp: 141755
Ion Ratio Lower Upper
84 100
86 62.9 44.0 81.8
49 129.9 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 47.846 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

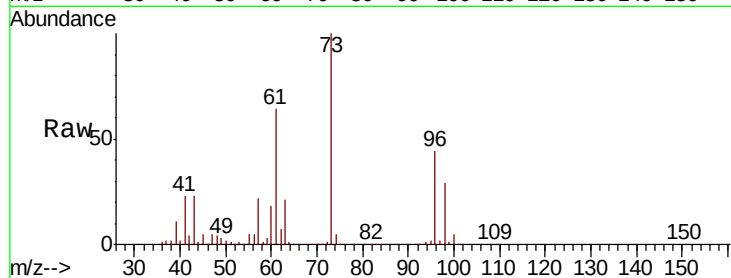
Tot Ion: 96 Resp: 131055

Ion Ratio Lower Upper

96 100

61 147.0 102.9 191.1

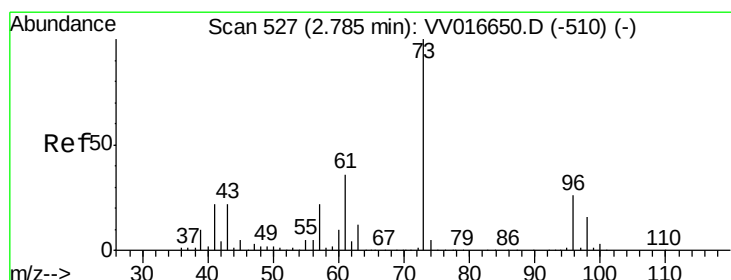
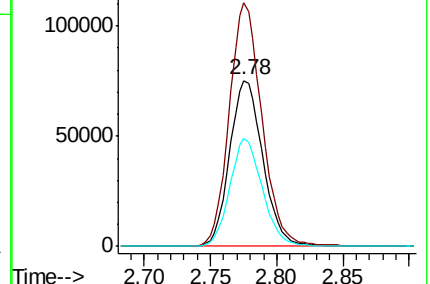
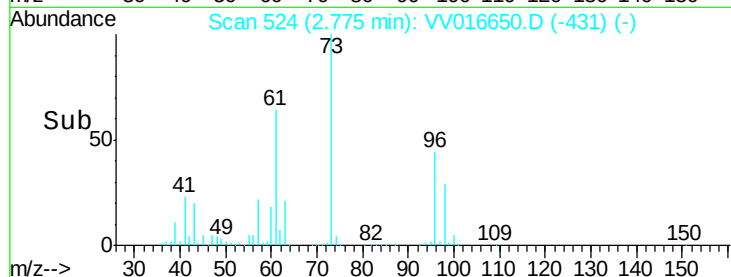
98 65.0 45.5 84.5



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: 51.422 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

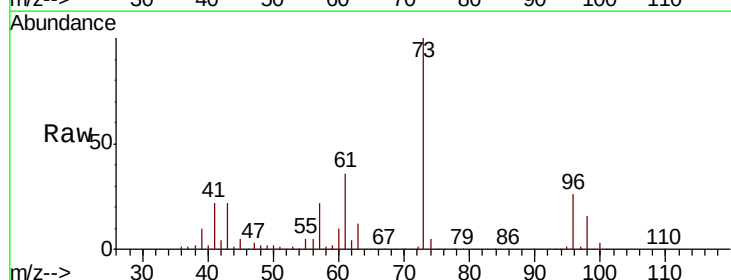
Tgt Ion: 73 Resp: 443950

Ion Ratio Lower Upper

73 100

43 22.2 17.8 26.6

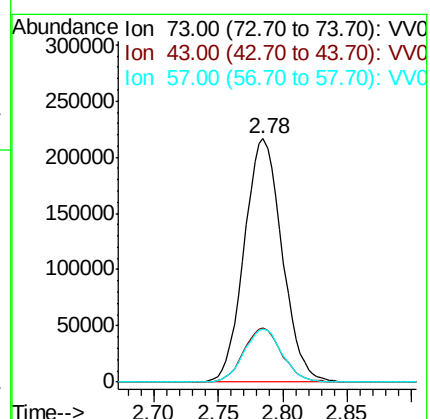
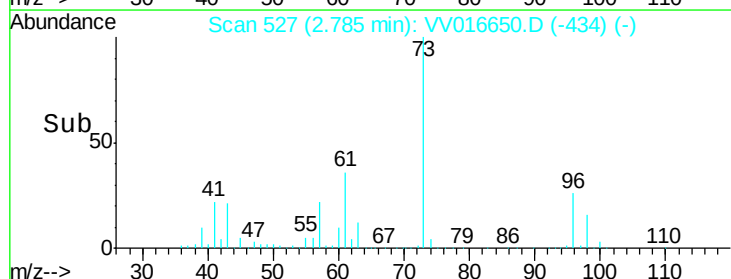
57 22.1 17.7 26.5

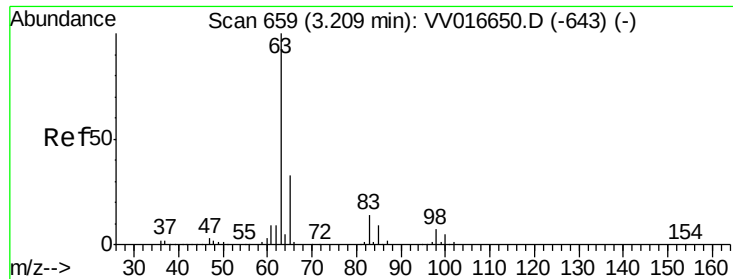


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

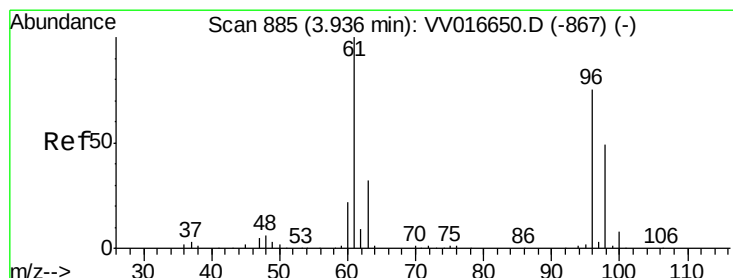
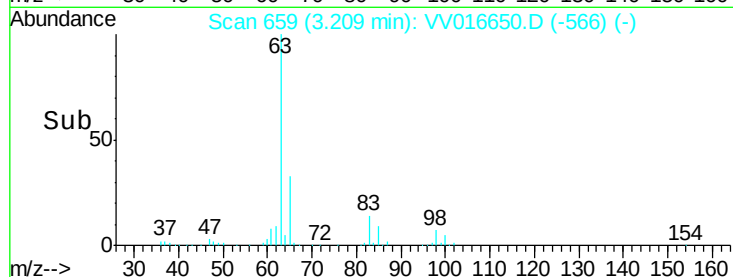
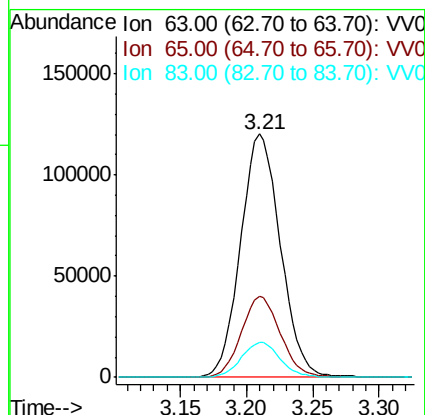
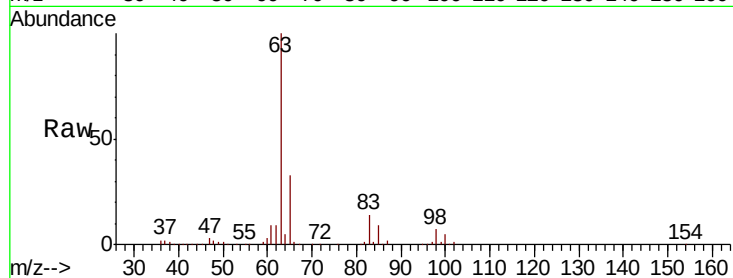




#19
 1,1-Dichloroethane
 Concen: 49.197 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

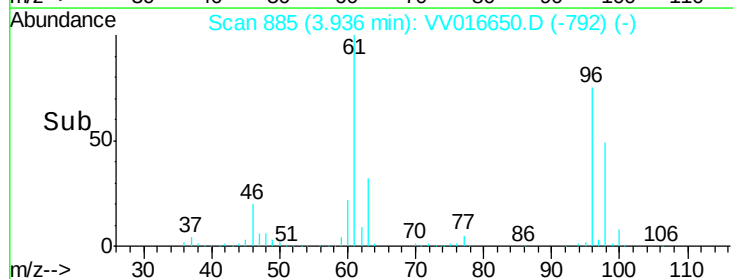
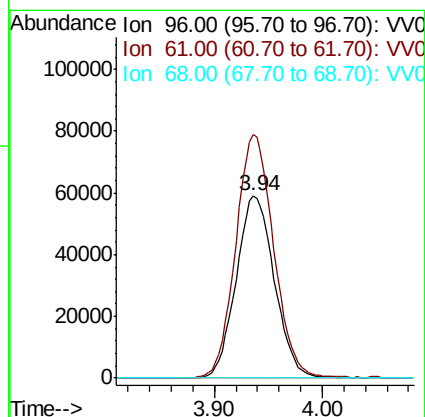
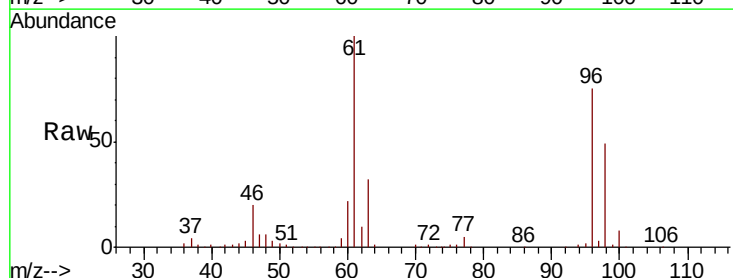
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

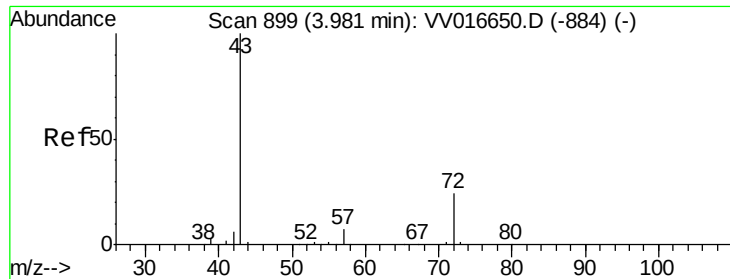
Tot Ion: 63 Resp: 251275
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.2 43.0
 83 14.3 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.984 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion: 96 Resp: 145401
 Ion Ratio Lower Upper
 96 100
 61 133.4 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.659 ug/L

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

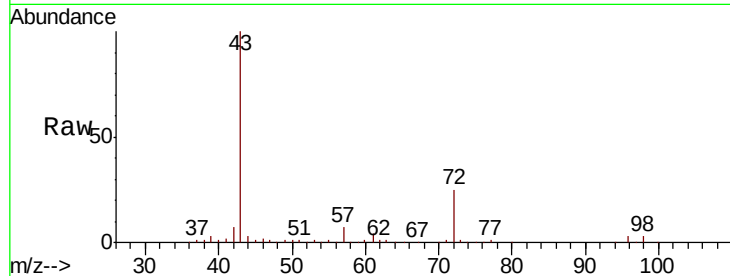
VSTD05065

Tot Ion: 43 Resp: 214363

Ion Ratio Lower Upper

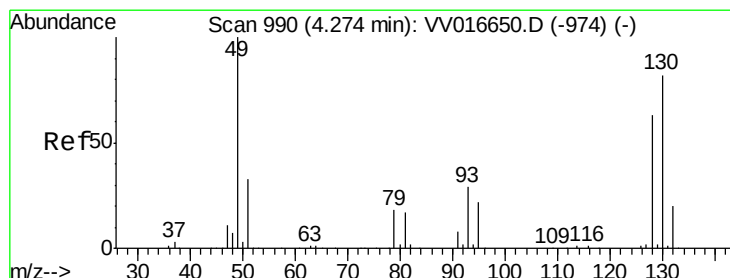
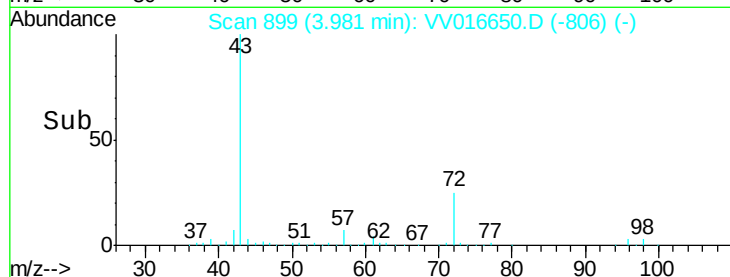
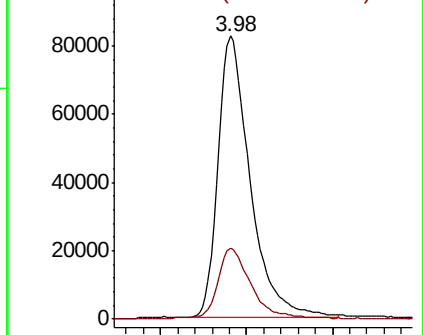
43 100

72 24.9 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016650.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV016650.D (-884) (-)



#23

Bromochloromethane

Concen: 49.685 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Tgt Ion: 128 Resp: 76086

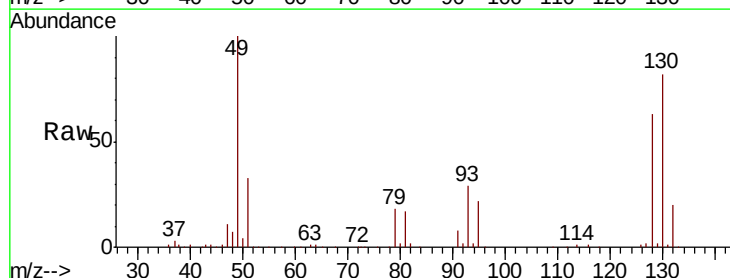
Ion Ratio Lower Upper

128 100

49 159.9 111.9 207.9

130 130.7 91.5 169.9

51 52.6 42.1 63.1

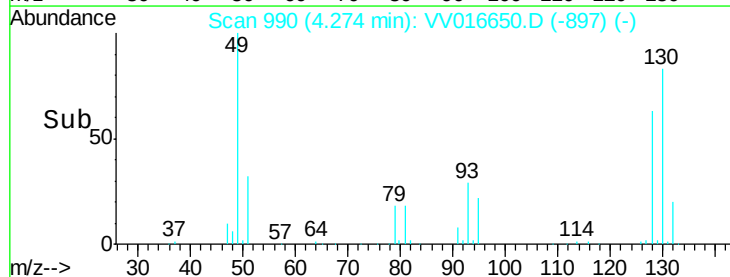
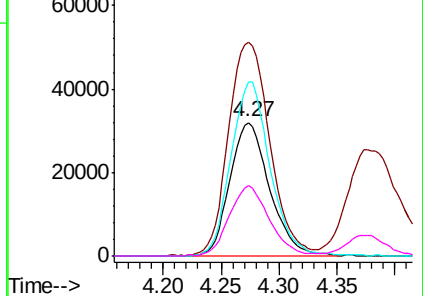


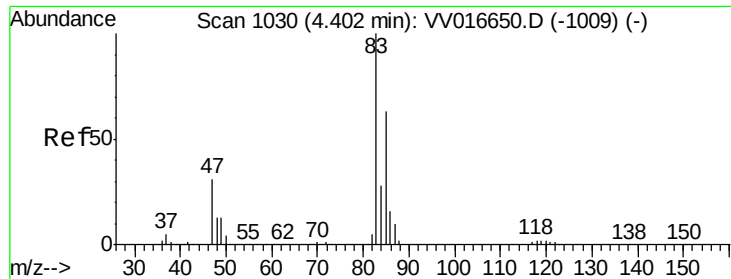
Abundance Ion 128.00 (127.70 to 128.70): VV016650.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV016650.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV016650.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV016650.D (-974) (-)





#25

Chloroform

Concen: 48.815 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

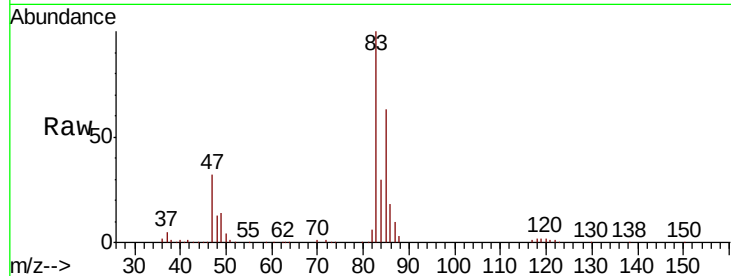
VSTD05065

Tot Ion: 83 Resp: 260021

Ion Ratio Lower Upper

83 100

85 63.0 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.40

120000

100000

80000

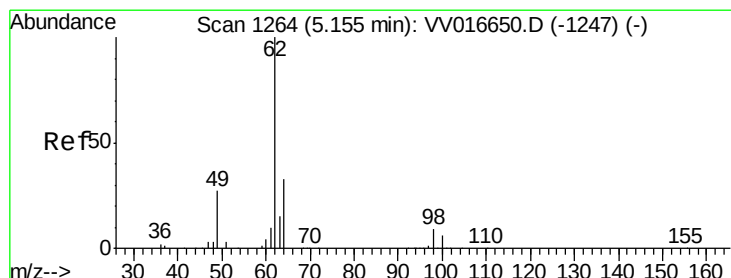
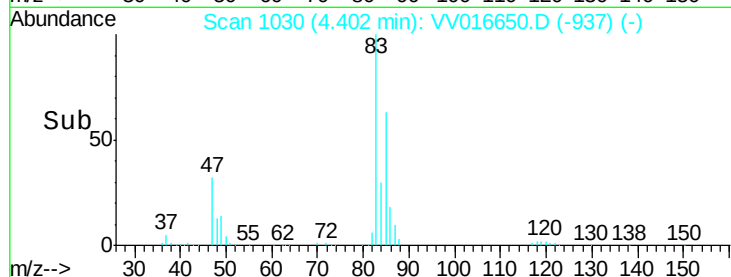
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 50.075 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VV016650.D

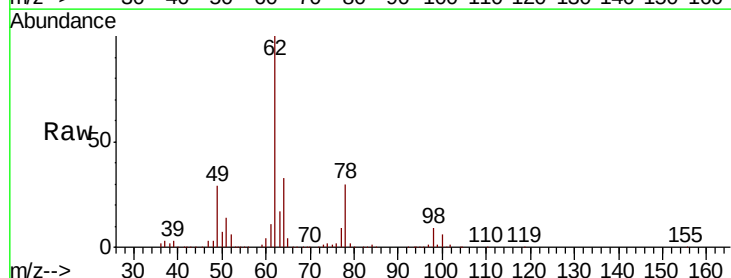
Acq: 08 Jun 2020 11:02

Tgt Ion: 62 Resp: 218040

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.15

100000

80000

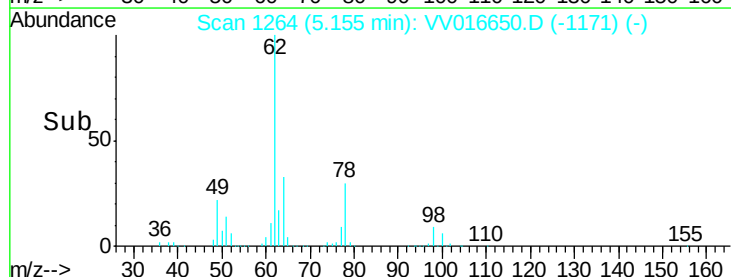
60000

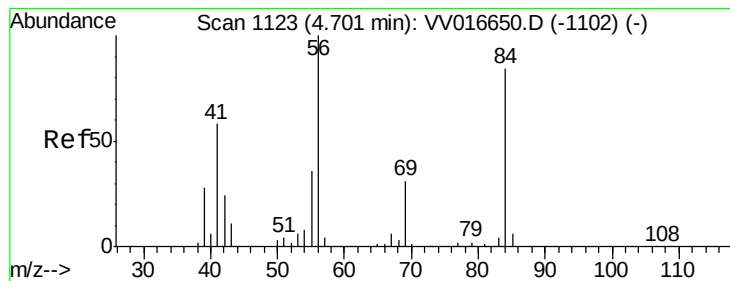
40000

20000

0

Time-->





#29

Cyclohexane

Concen: 51.731 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

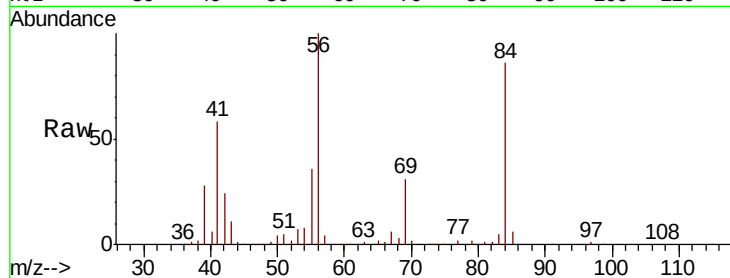
Tot Ion: 56 Resp: 230512

Ion Ratio Lower Upper

56 100

69 31.2 25.0 37.4

84 86.9 69.5 104.3

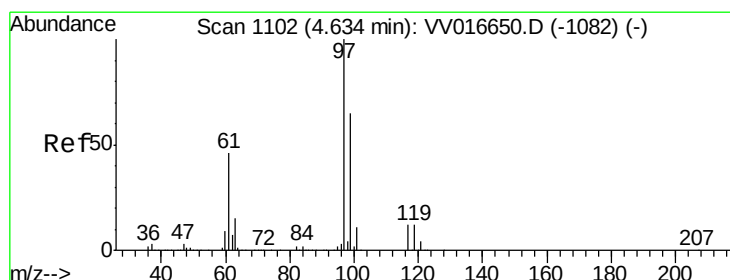
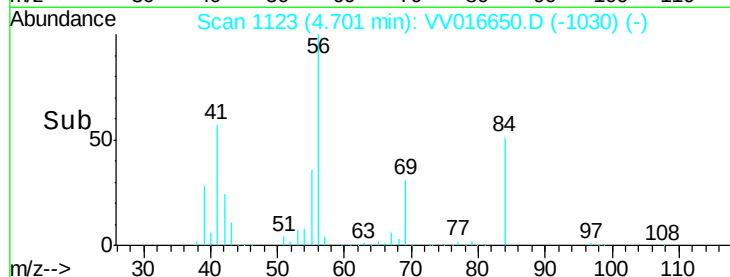
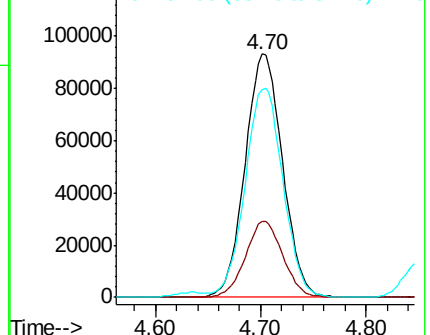


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 51.522 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

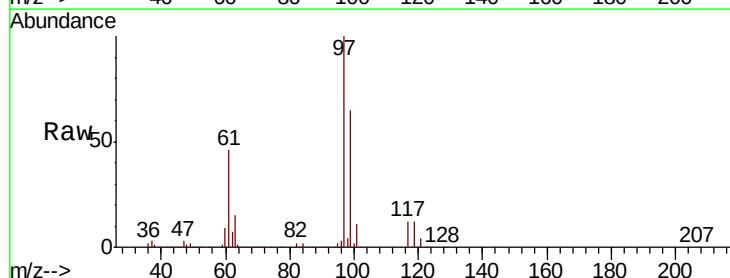
Tgt Ion: 97 Resp: 235719

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 45.9 36.7 55.1

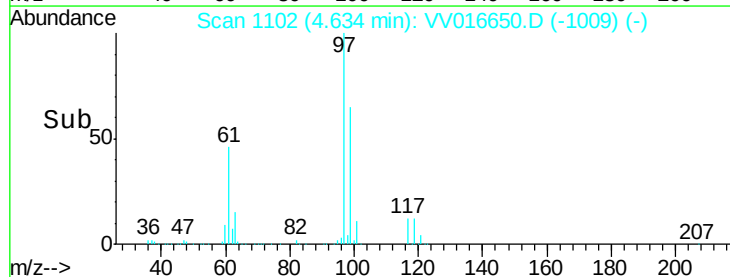
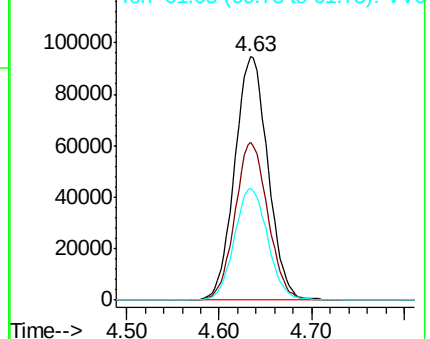


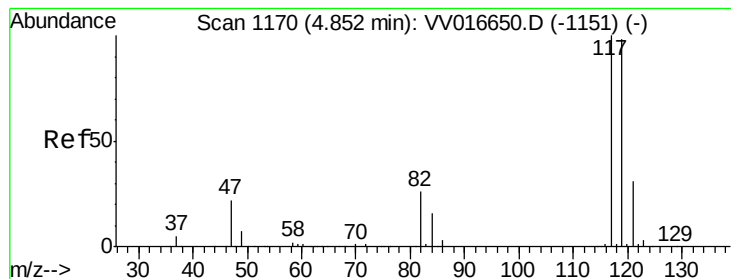
Abundance

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: 52.046 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

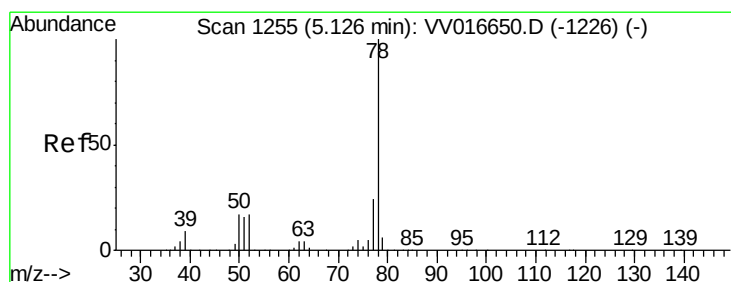
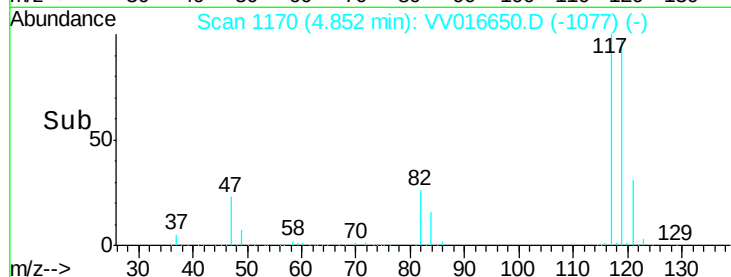
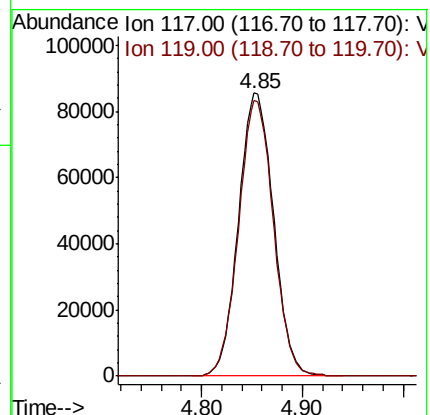
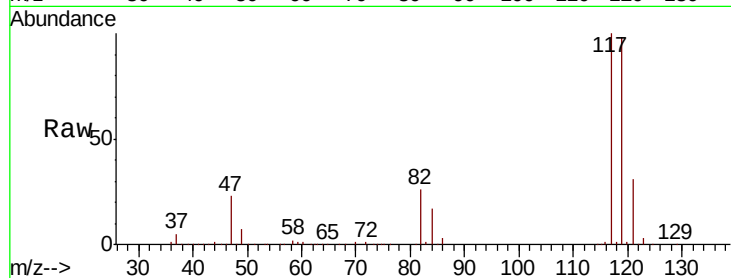
VSTD05065

Tot Ion:117 Resp: 206022

Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.2



#33

Benzene

Concen: 50.215 ug/L

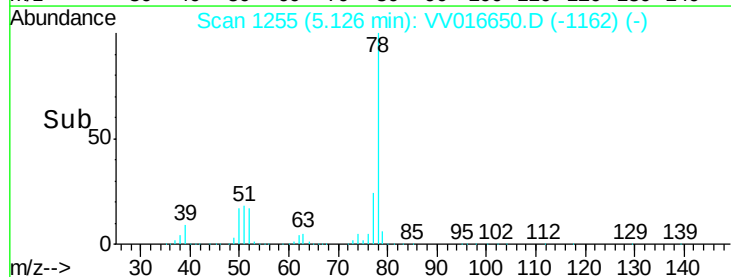
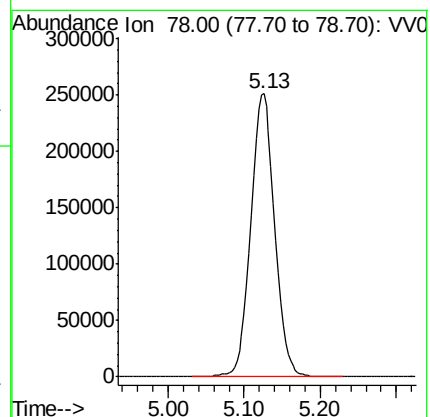
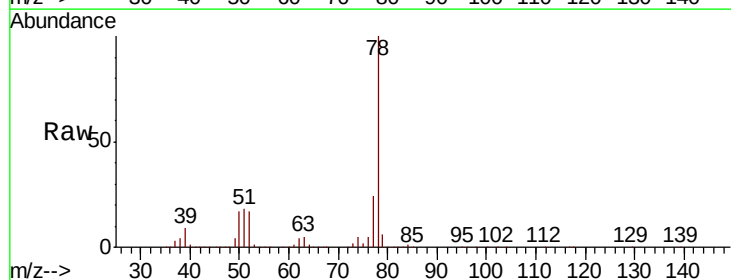
RT: 5.13 min Scan# 1255

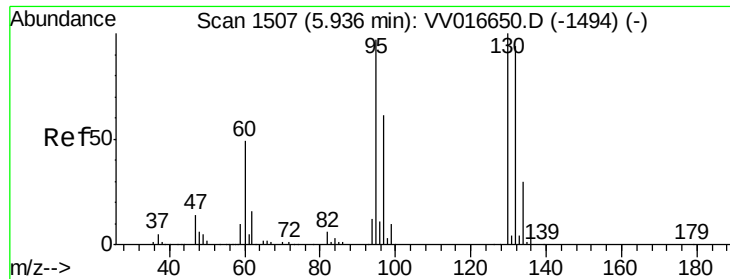
Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Tgt Ion: 78 Resp: 549271

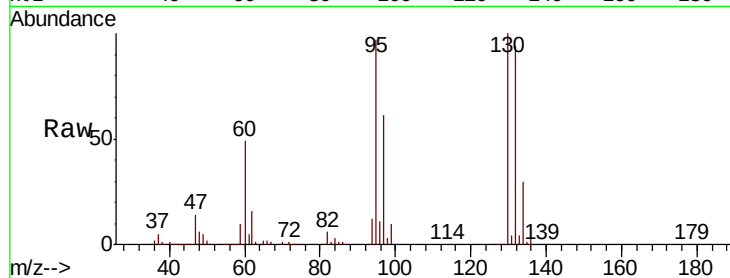




#34
 Trichloroethene
 Concen: 50.154 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tot Ion	95	Resp	144632
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.3	82.3
132	97.0	67.9	126.1
130	103.2	72.2	134.2



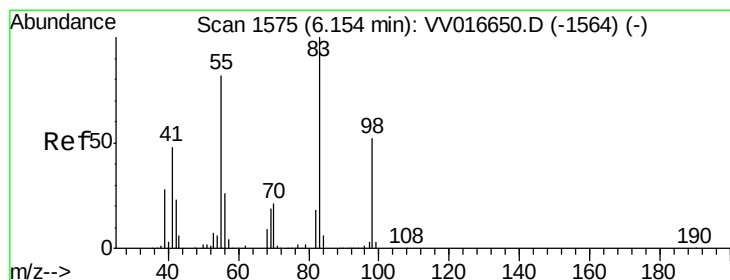
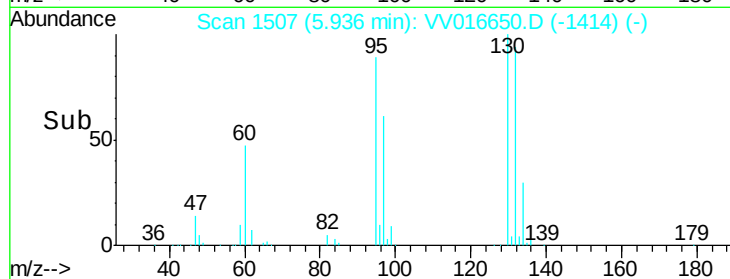
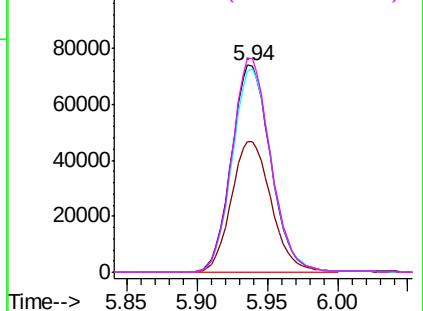
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

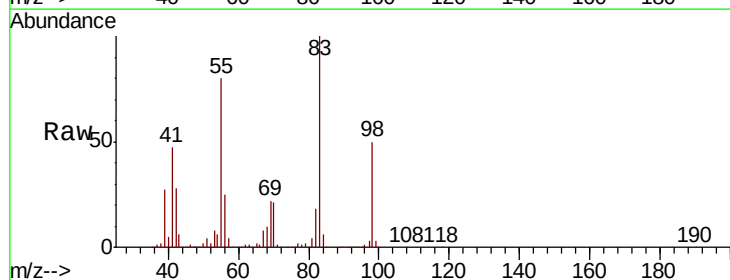
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 53.978 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion	83	Resp	226810
Ion	Ratio	Lower	Upper
83	100		
55	80.2	64.2	96.2
98	50.4	40.3	60.5

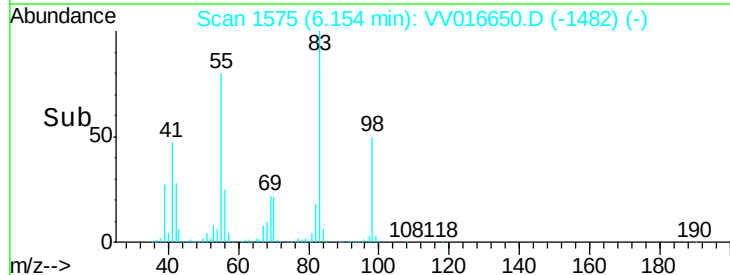
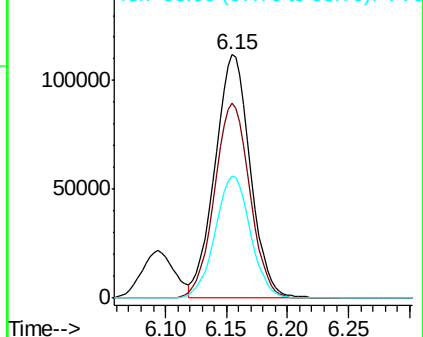


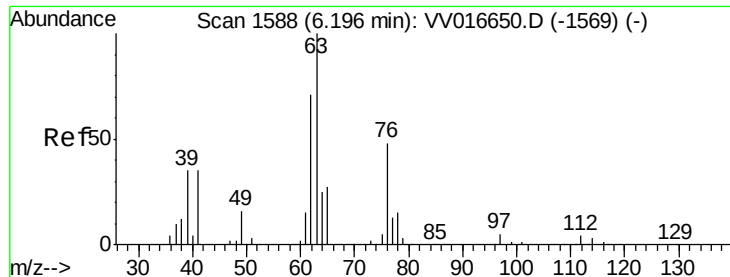
Abundance

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

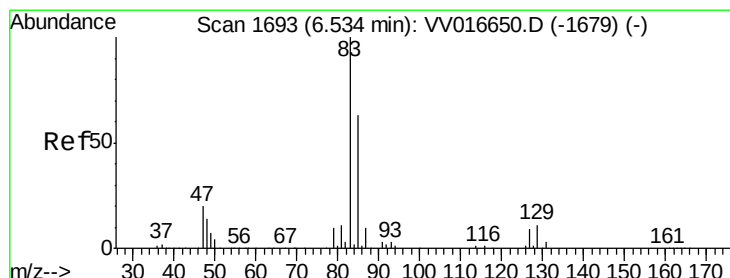
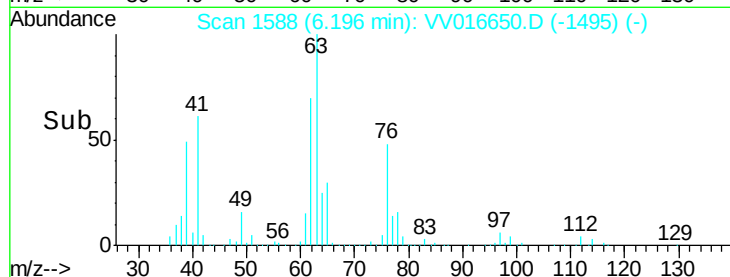
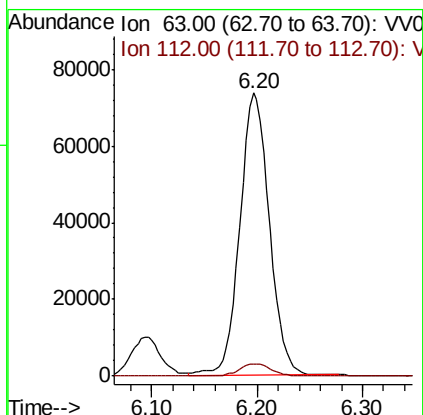
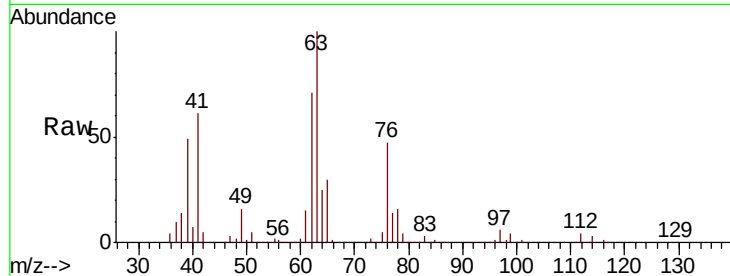




#37
 1,2-Dichloropropane
 Concen: 50.289 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

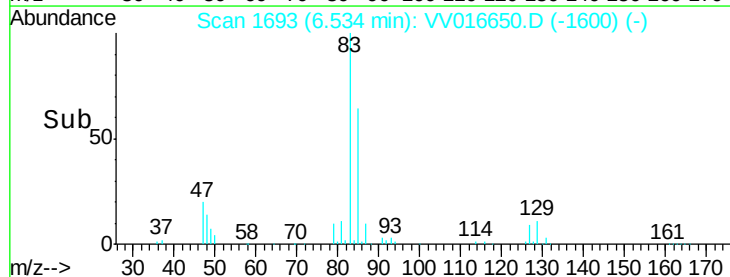
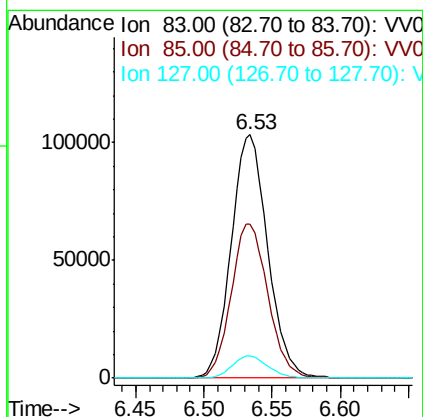
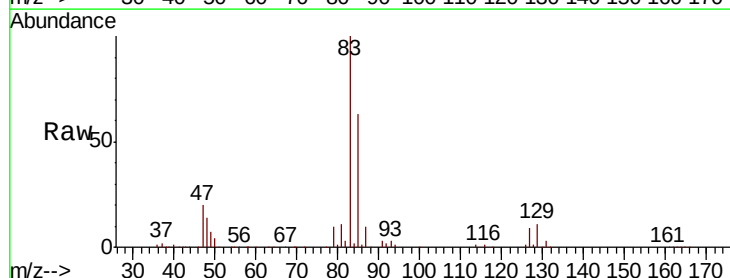
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

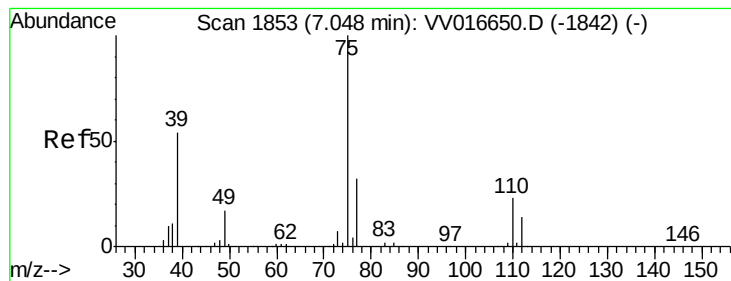
Tot Ion: 63 Resp: 143359
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 51.997 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion: 83 Resp: 192284
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.4 82.5
 127 9.2 7.4 11.0



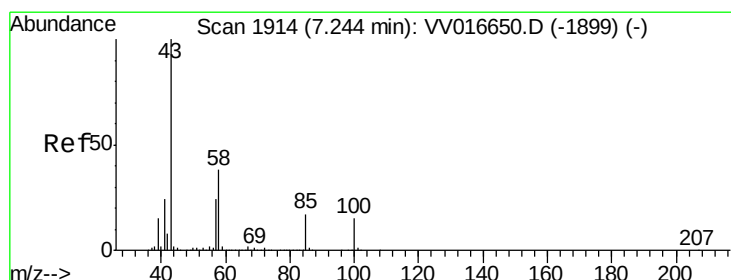
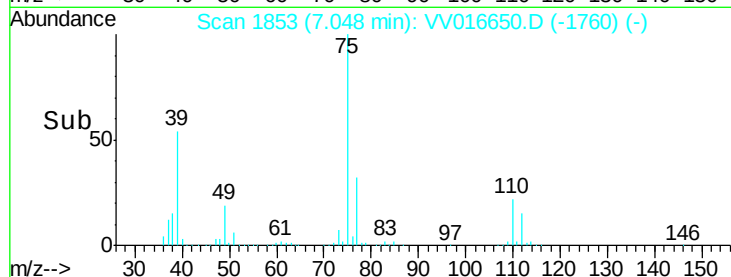
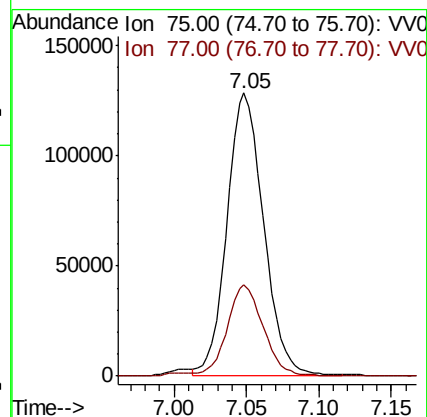
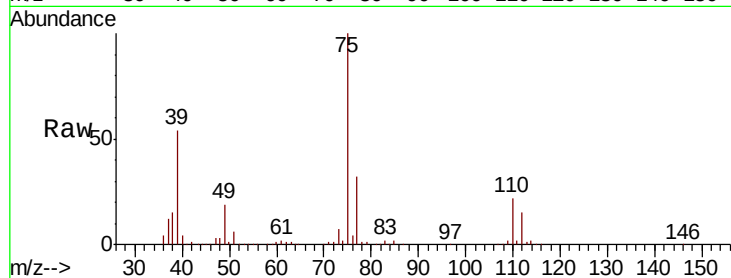


#39

cis-1,3-Dichloropropene
 Concen: 53.628 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

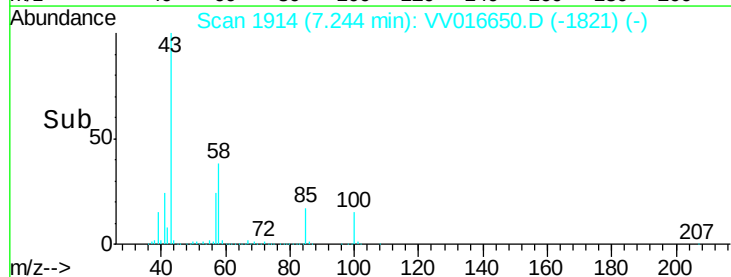
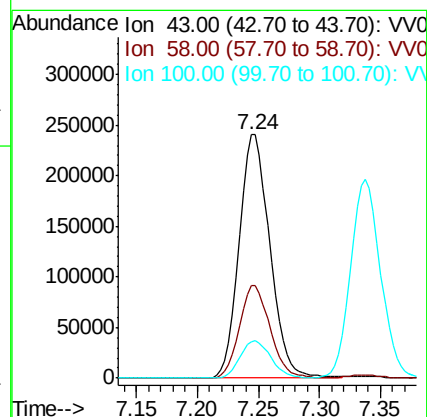
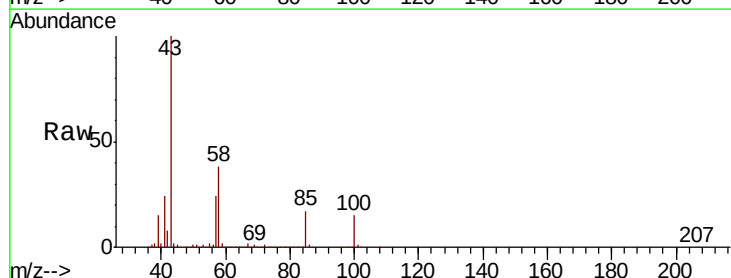
Tot Ion: 75 Resp: 22524
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.7 42.1

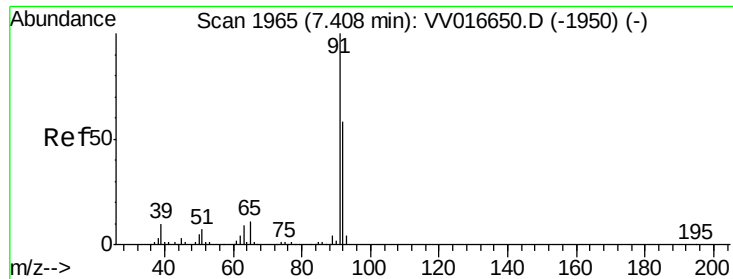


#40

4-Methyl-2-pentanone
 Concen: 105.971 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion: 43 Resp: 421422
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4
 100 15.4 12.3 18.5





#42

Toluene

Concen: 50.448 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

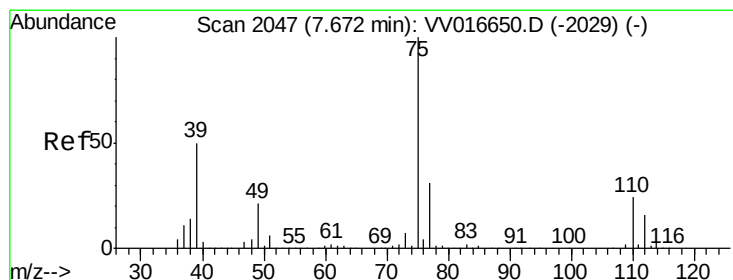
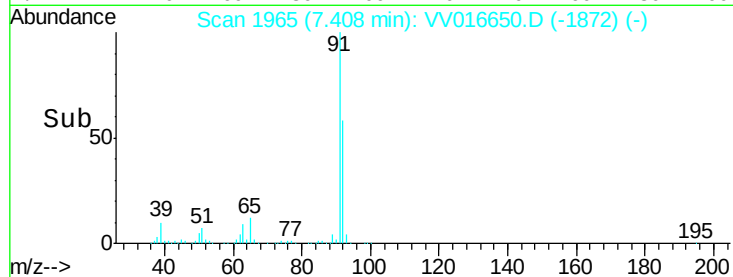
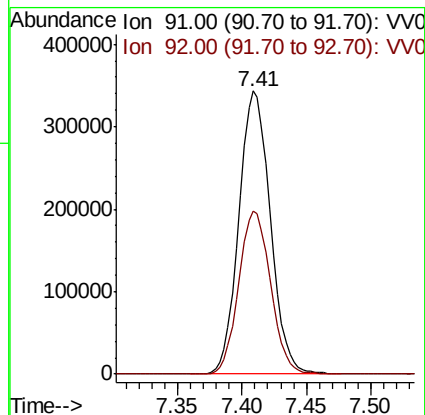
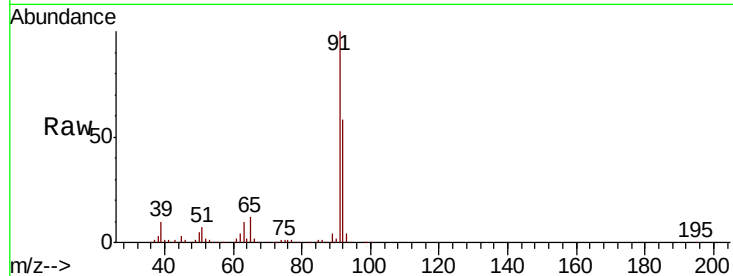
VSTD05065

Tot Ion: 91 Resp: 583807

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 54.049 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016650.D

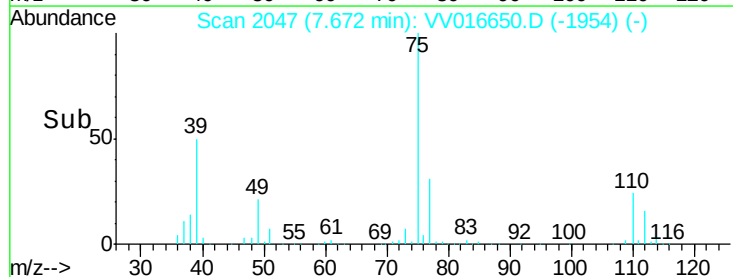
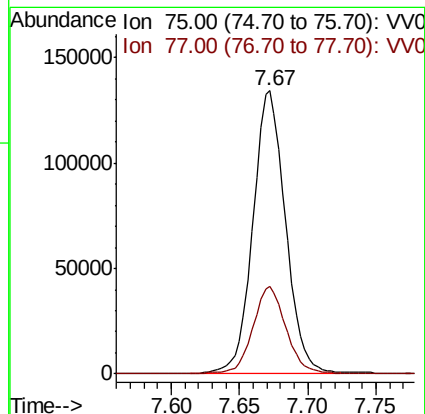
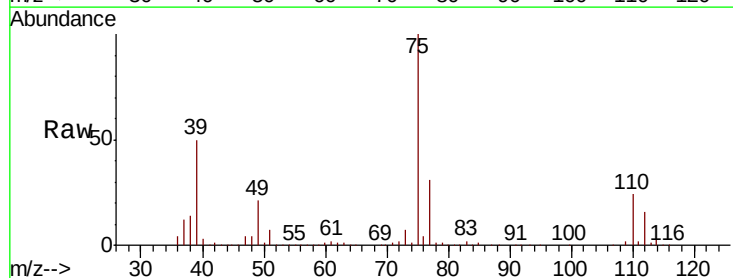
Acq: 08 Jun 2020 11:02

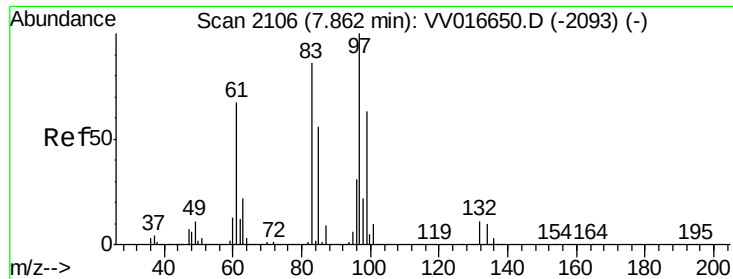
Tgt Ion: 75 Resp: 223810

Ion Ratio Lower Upper

75 100

77 31.0 21.7 40.3

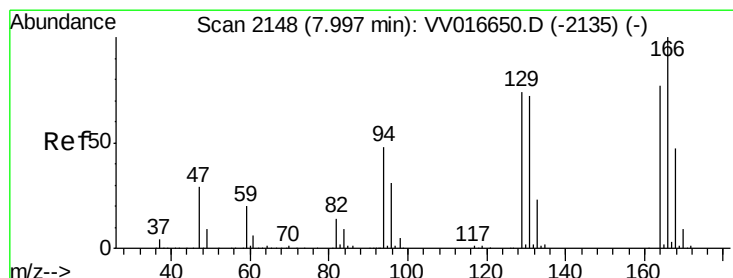
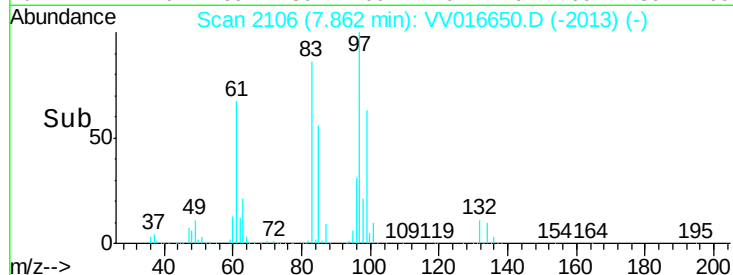
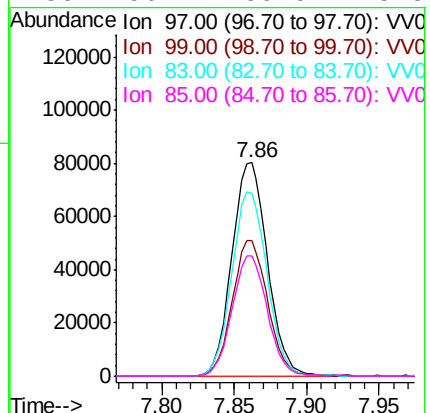
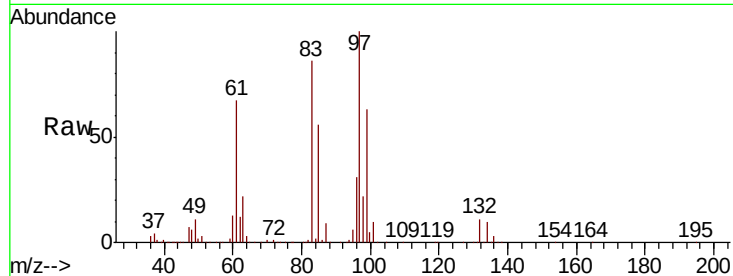




#45
 1,1,2-Trichloroethane
 Concen: 49.761 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

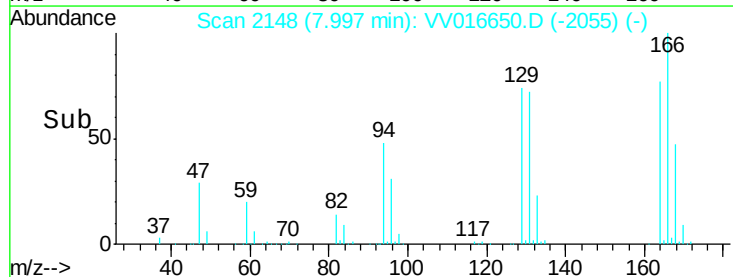
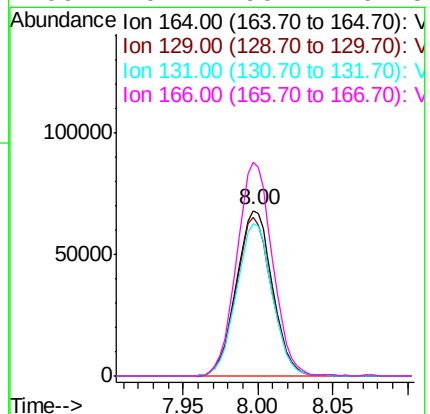
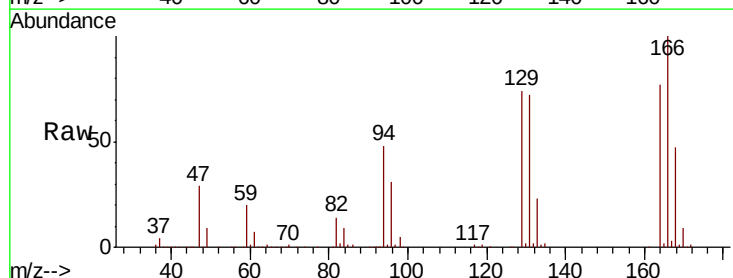
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

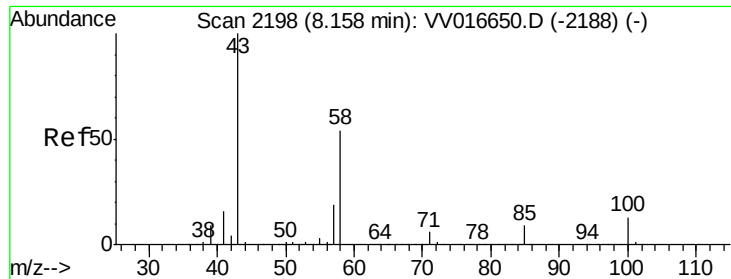
Tot Ion:	97	Resp:	137029
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.3	82.3
83	85.7	60.0	111.4
85	56.4	39.5	73.3



#46
 Tetrachloroethene
 Concen: 51.131 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion:	164	Resp:	114060
Ion	Ratio	Lower	Upper
164	100		
129	95.7	67.0	124.4
131	92.5	64.8	120.3
166	129.1	90.4	167.8

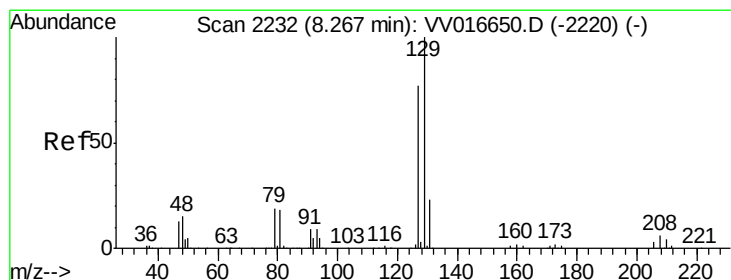
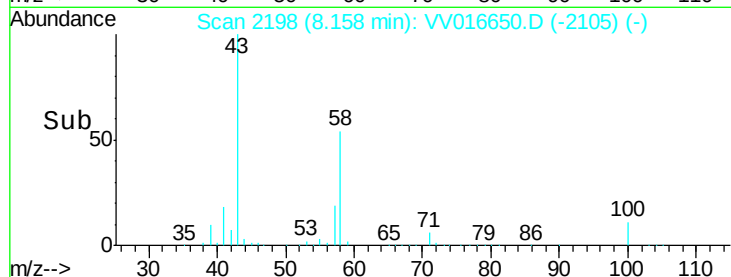
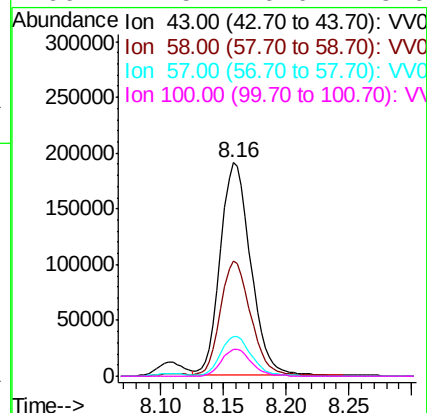
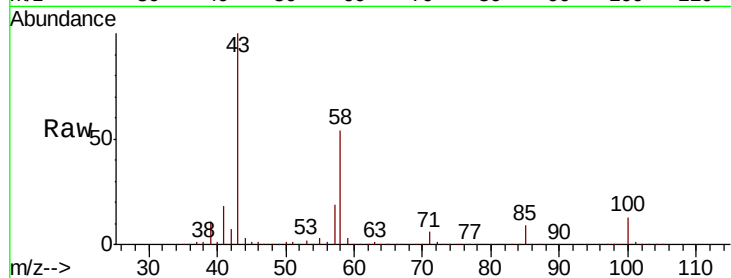




#48
2-Hexanone
Concen: 104.200 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016650.D
Acq: 08 Jun 2020 11:02

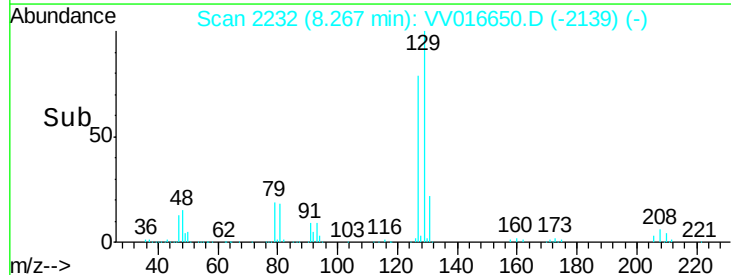
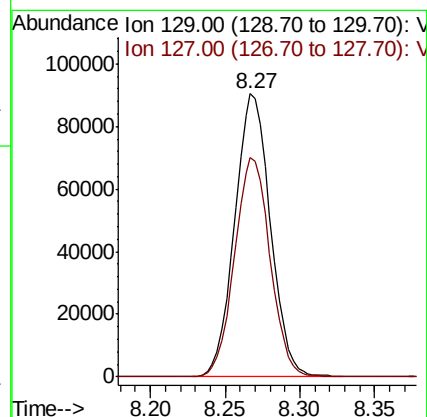
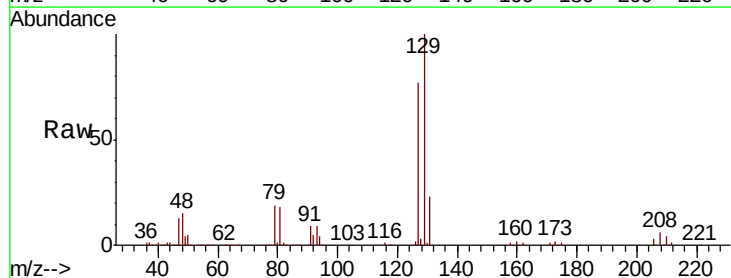
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

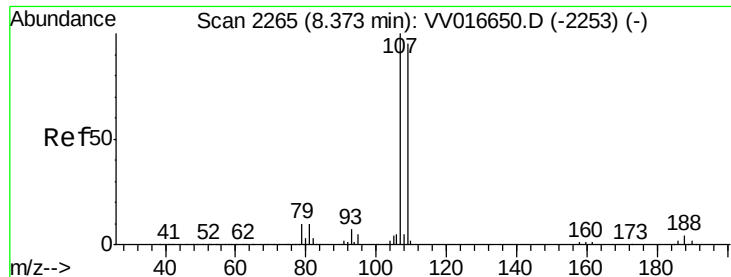
Tot Ion: 43 Resp: 321781
Ion Ratio Lower Upper
43 100
58 53.9 43.1 64.7
57 19.1 15.3 22.9
100 12.5 10.0 15.0



#49
Dibromochloromethane
Concen: 54.814 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016650.D
Acq: 08 Jun 2020 11:02

Tgt Ion: 129 Resp: 150260
Ion Ratio Lower Upper
129 100
127 77.4 54.2 100.6

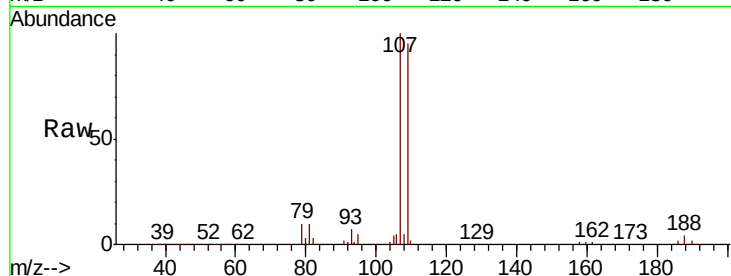




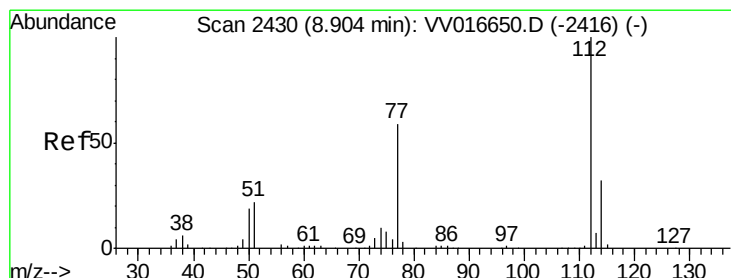
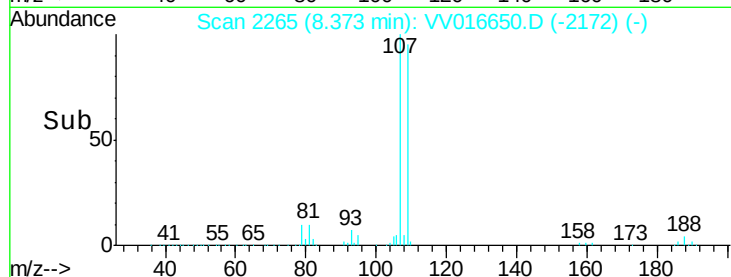
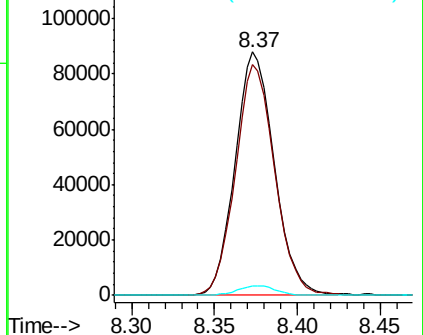
#50
 1,2-Dibromoethane
 Concen: 49.512 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	66.4	123.2
188	3.9	3.1	4.7

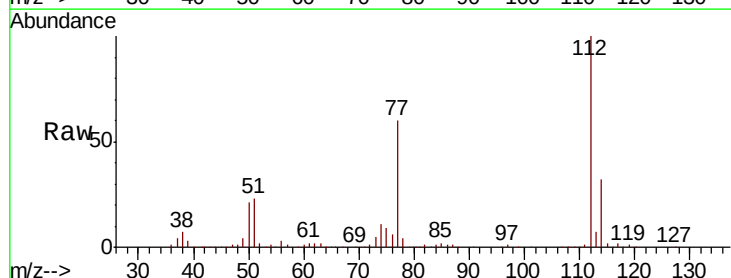


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

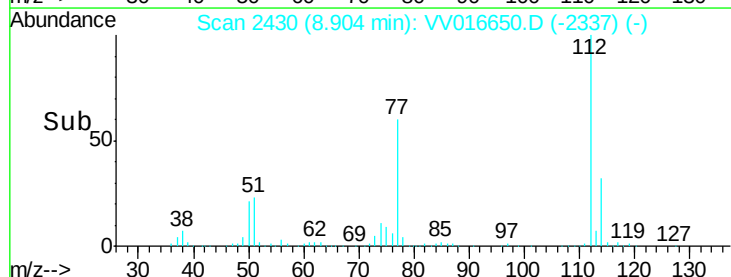
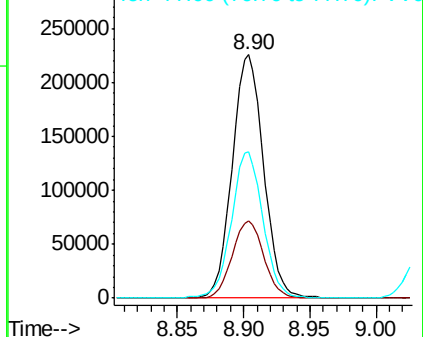


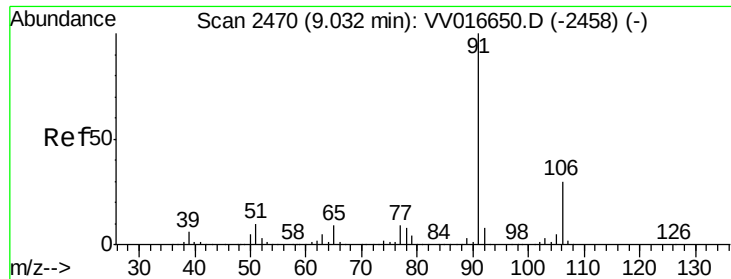
#51
 Chlorobenzene
 Concen: 48.850 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	59.9	47.9	71.9



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





#52

Ethylbenzene

Concen: 51.632 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

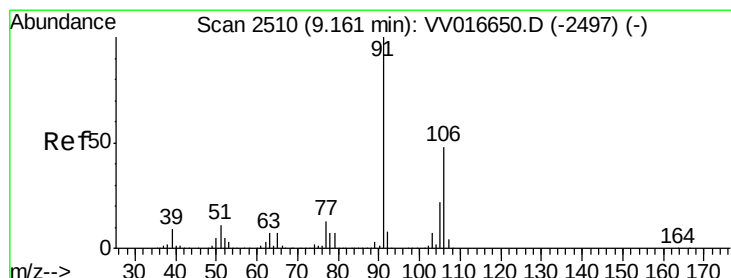
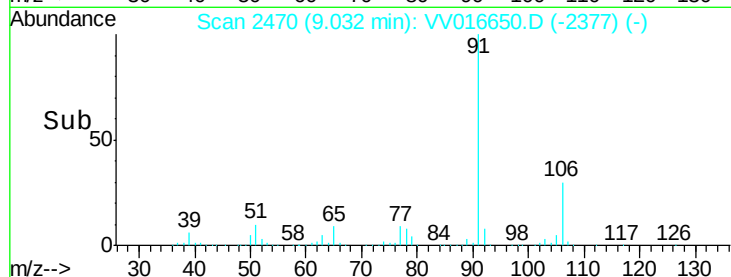
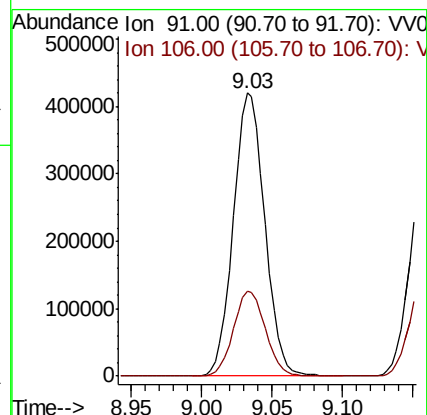
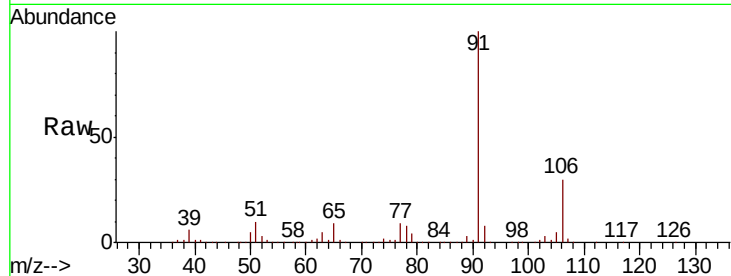
VSTD05065

Tot Ion: 91 Resp: 655199

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



#53

m,p-Xylene

Concen: 51.756 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016650.D

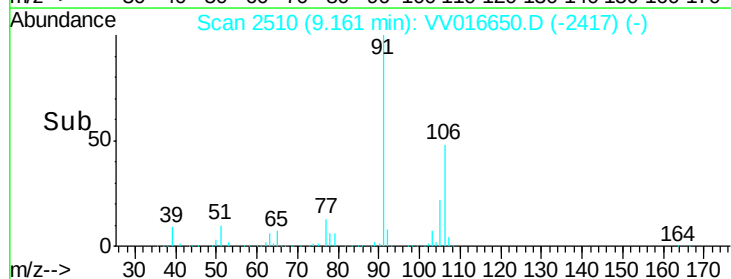
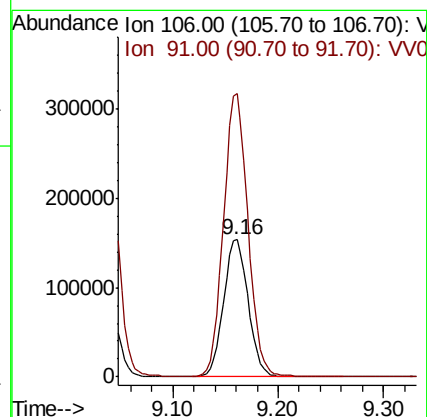
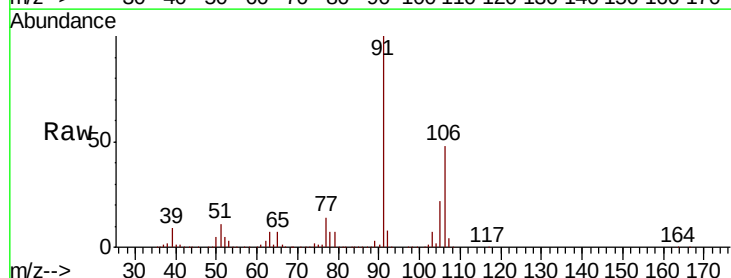
Acq: 08 Jun 2020 11:02

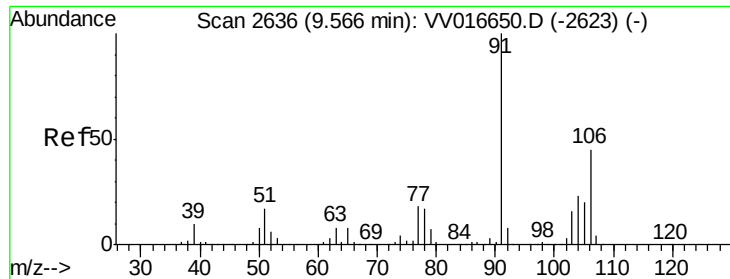
Tgt Ion: 106 Resp: 247139

Ion Ratio Lower Upper

106 100

91 206.6 144.6 268.6





#54

o-xylene

Concen: 51.723 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

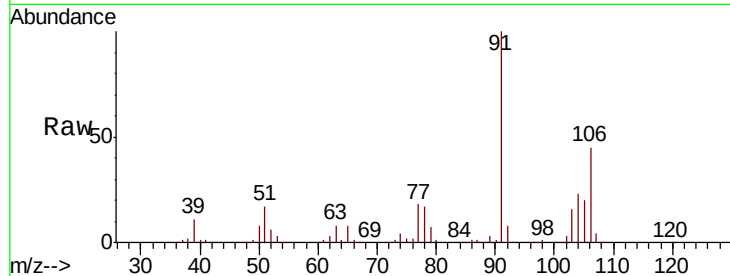
VSTD05065

Tot Ion:106 Resp: 239077

Ion Ratio Lower Upper

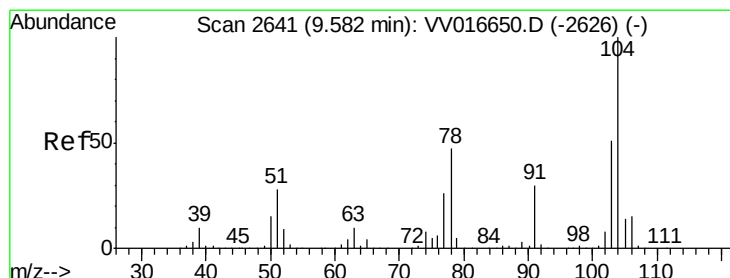
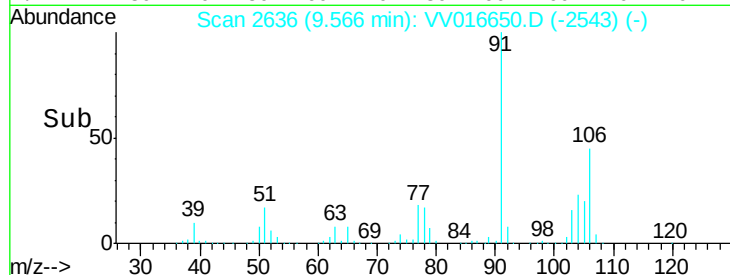
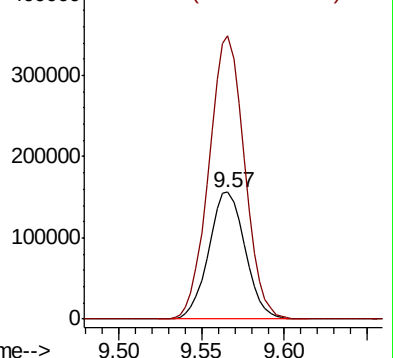
106 100

91 222.7 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.054 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016650.D

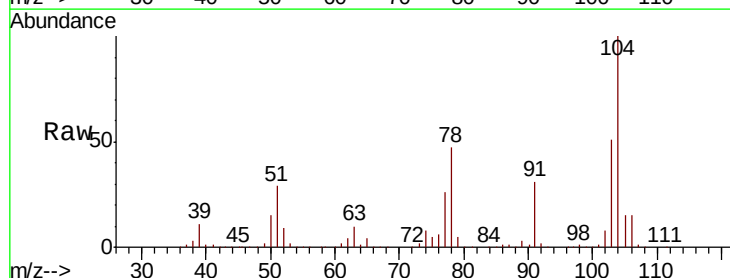
Acq: 08 Jun 2020 11:02

Tgt Ion:104 Resp: 410772

Ion Ratio Lower Upper

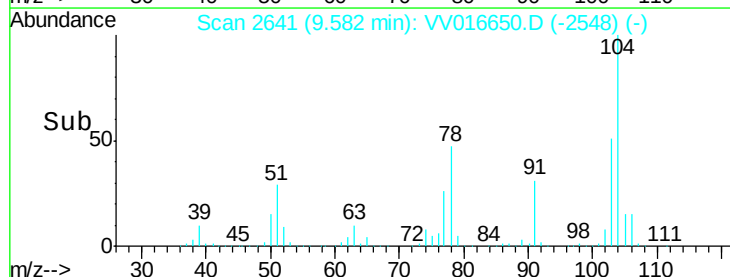
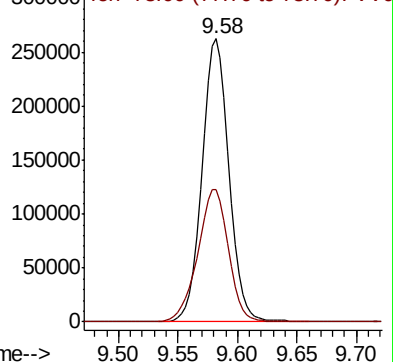
104 100

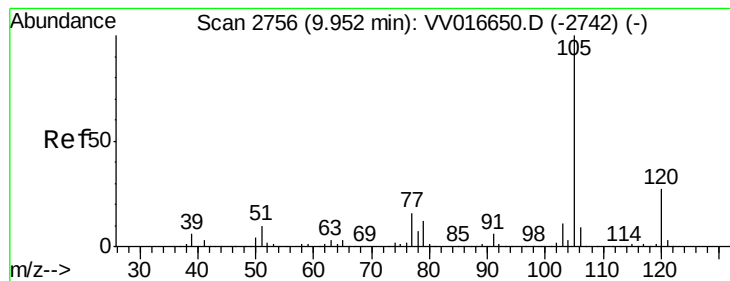
78 46.6 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.447 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

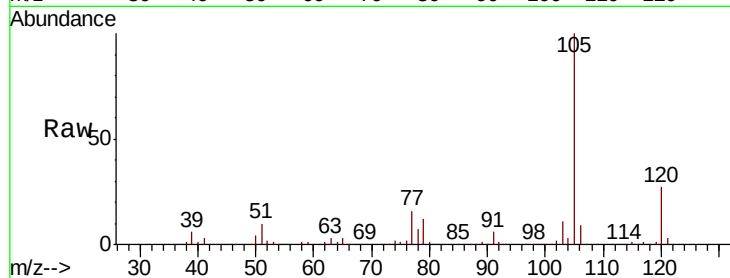
Tot Ion:105 Resp: 647983

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

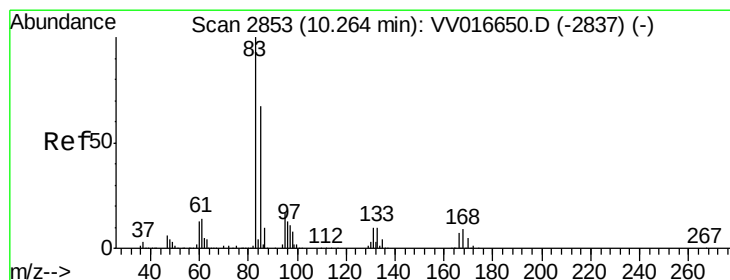
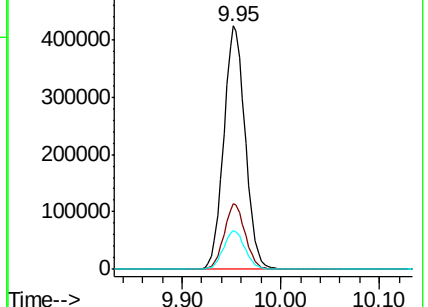
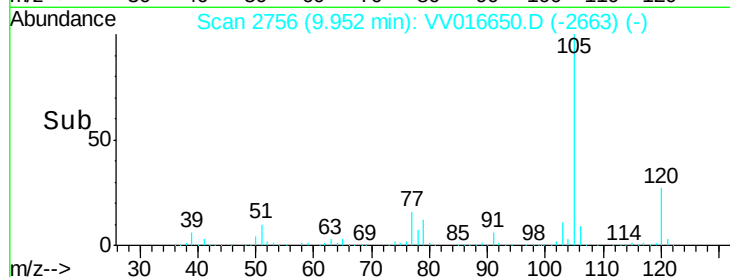
77 16.2 13.0 19.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 48.389 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

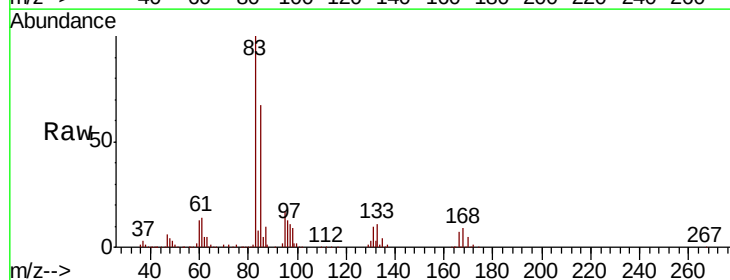
Tgt Ion: 83 Resp: 212689

Ion Ratio Lower Upper

83 100

85 66.8 46.8 86.8

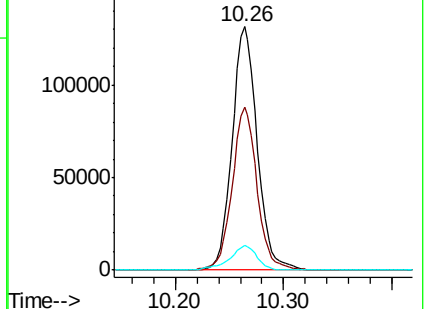
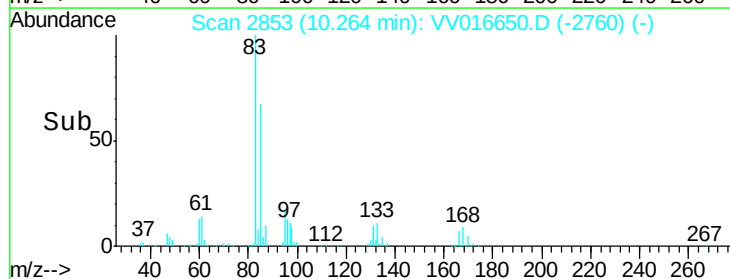
131 9.9 7.9 11.9

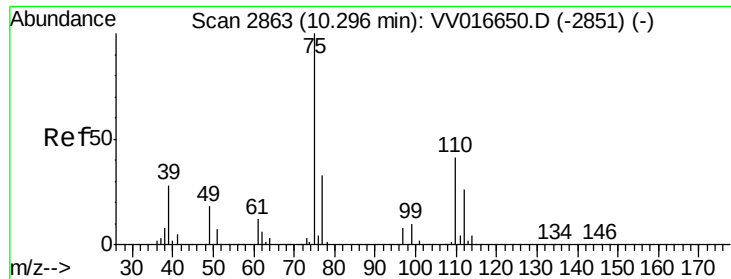


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

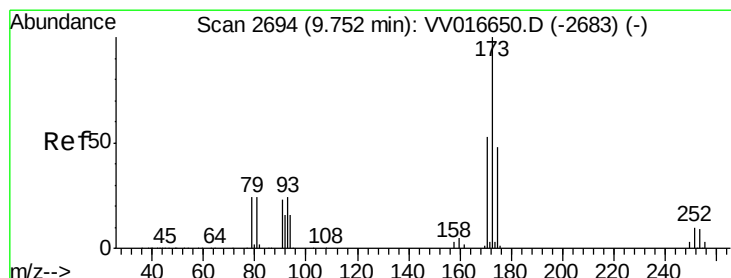
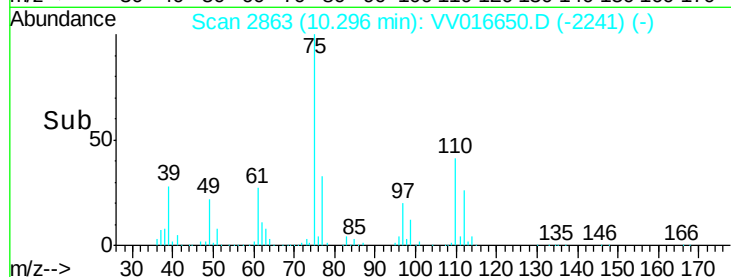
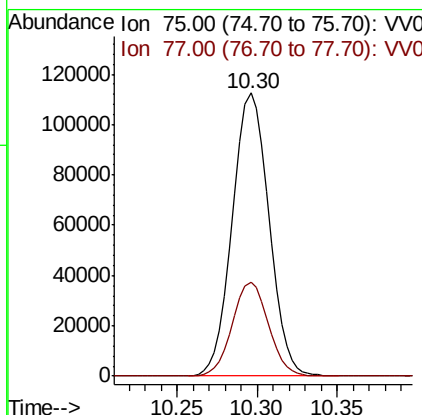
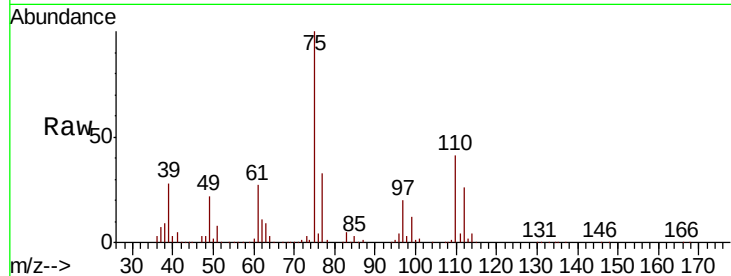




#59
 1,2,3-Trichloropropane
 Concen: 49.233 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

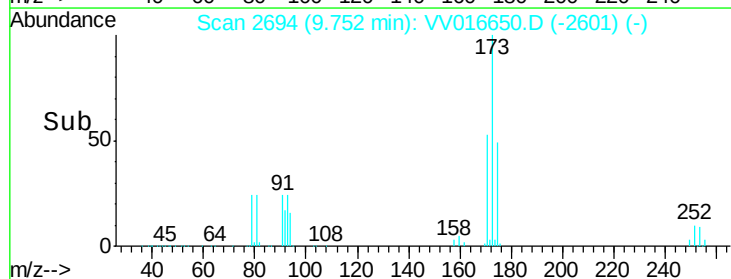
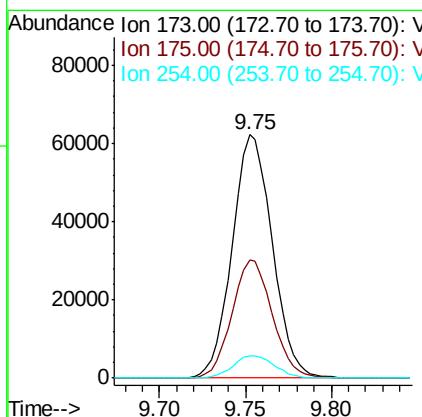
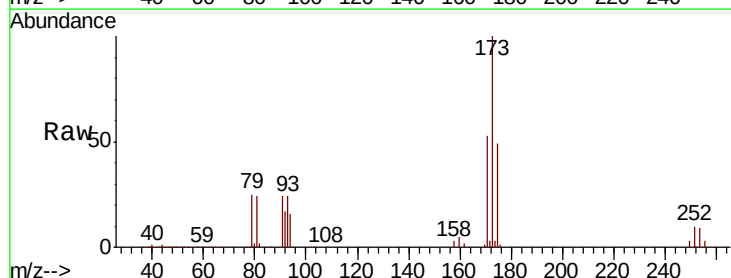
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

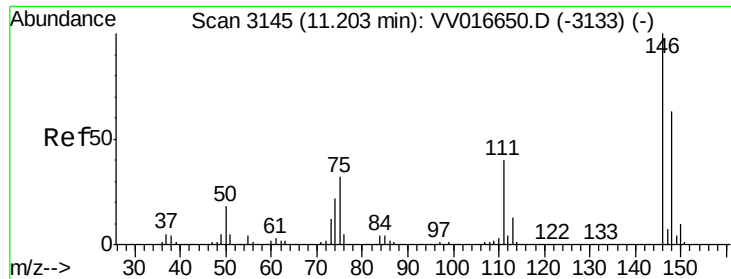
Tot Ion: 75 Resp: 176003
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1



#61
 Bromoform
 Concen: 59.922 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion: 173 Resp: 101261
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.0 58.4
 254 9.5 7.6 11.4

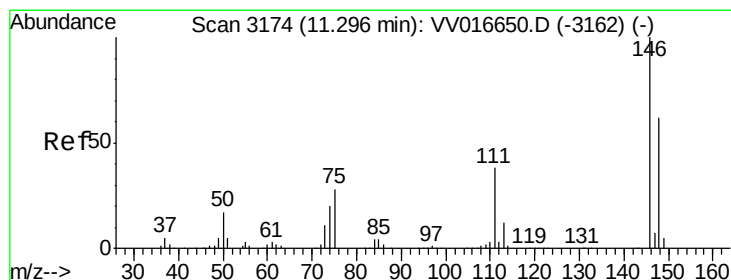
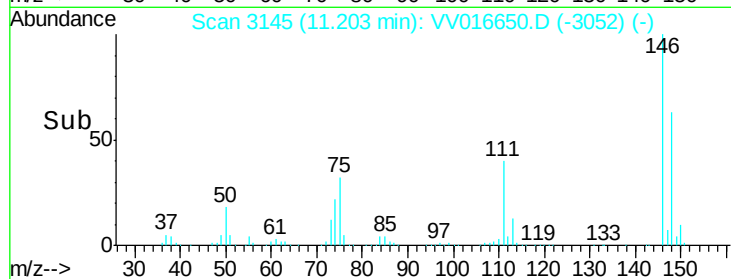
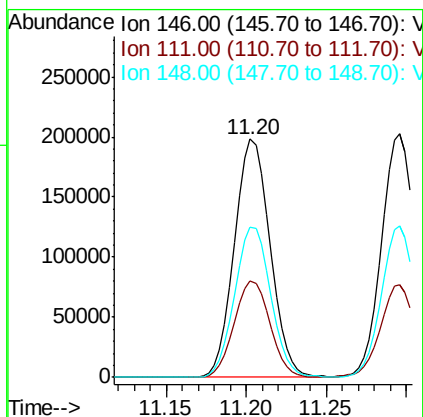
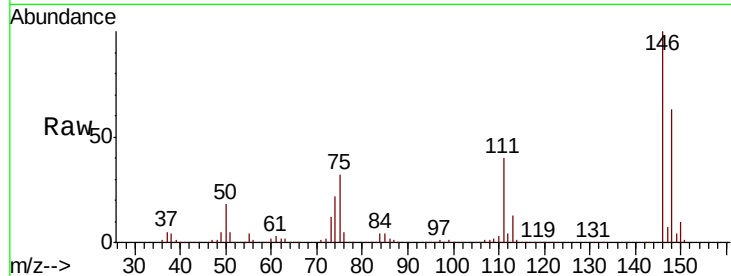




#62
 1,3-Dichlorobenzene
 Concen: 50.768 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

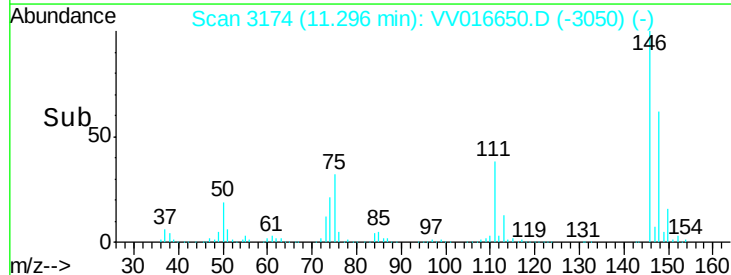
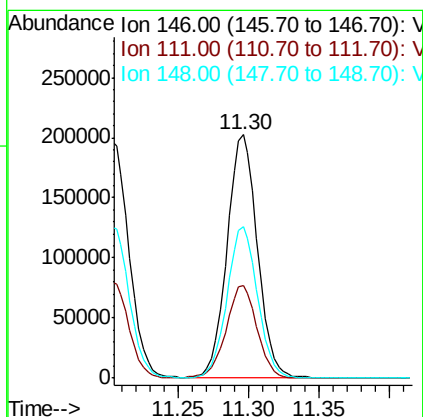
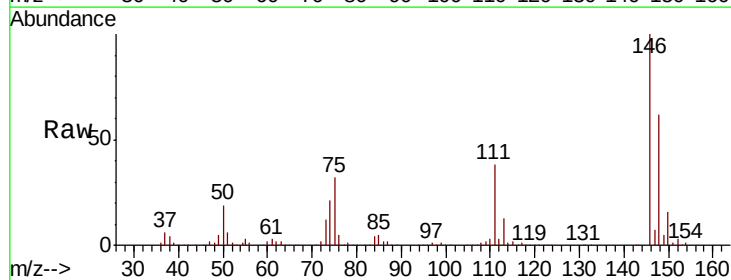
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

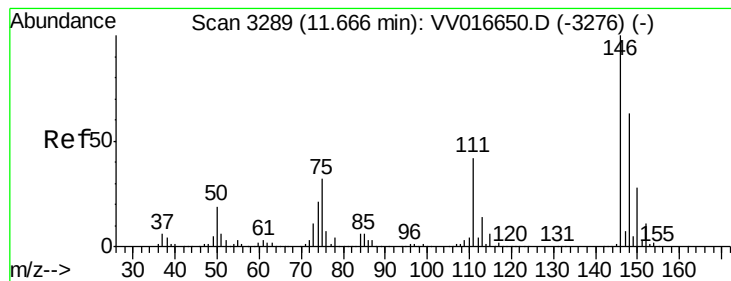
Tot Ion:146 Resp: 301652
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.3 52.7
 148 63.2 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 49.552 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion:146 Resp: 304243
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.7 49.7
 148 62.2 43.5 80.9





#65

1,2-Dichlorobenzene

Concen: 50.974 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampled :

VSTD05065

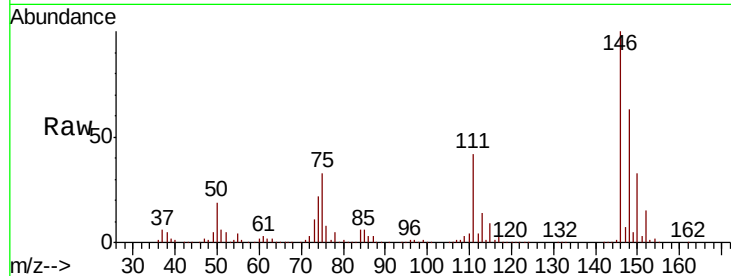
Tot Ion:146 Resp: 305678

Ion Ratio Lower Upper

146 100

111 42.1 33.7 50.5

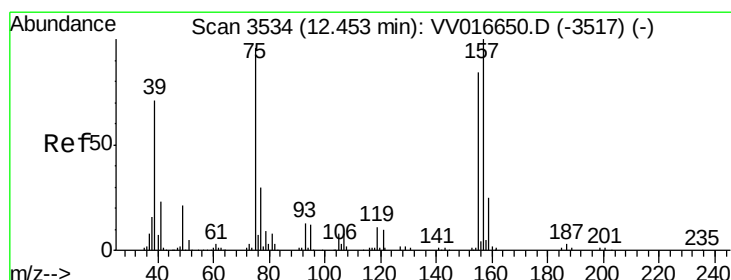
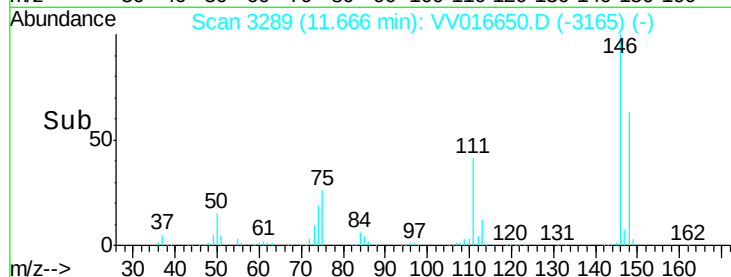
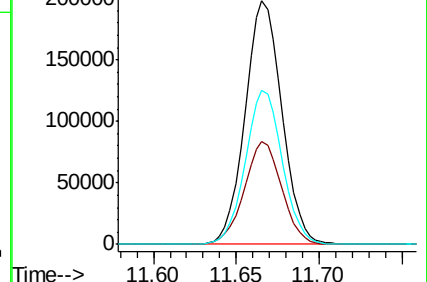
148 63.4 50.7 76.1



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: 53.017 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

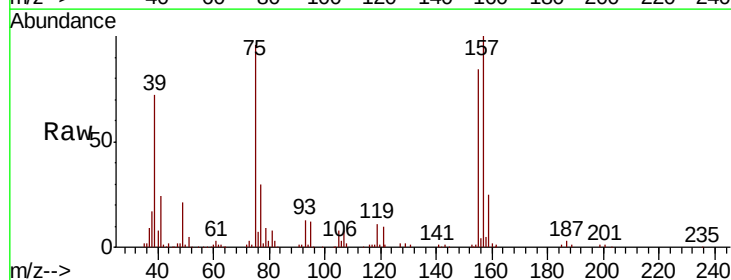
Tgt Ion: 75 Resp: 48986

Ion Ratio Lower Upper

75 100

155 87.2 69.8 104.6

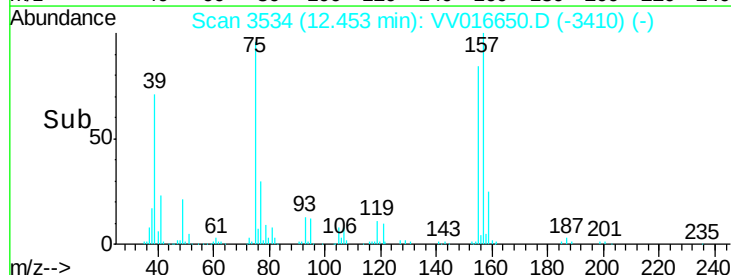
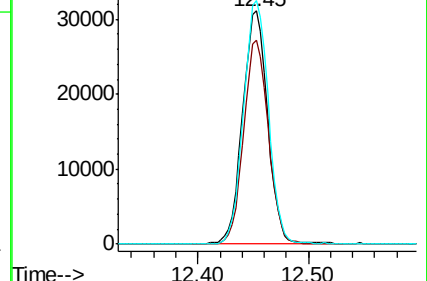
157 104.3 83.4 125.2

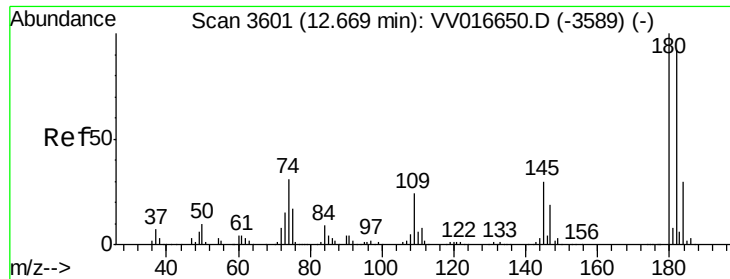


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

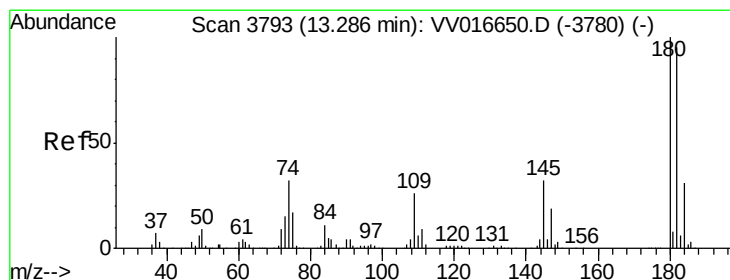
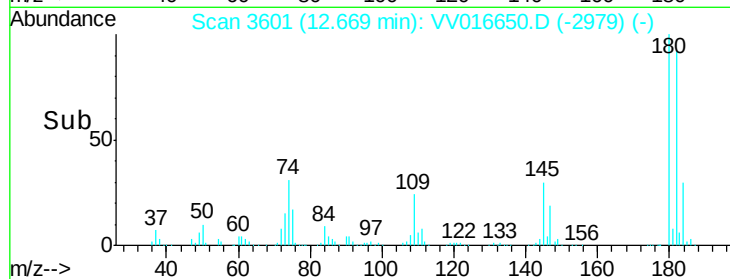
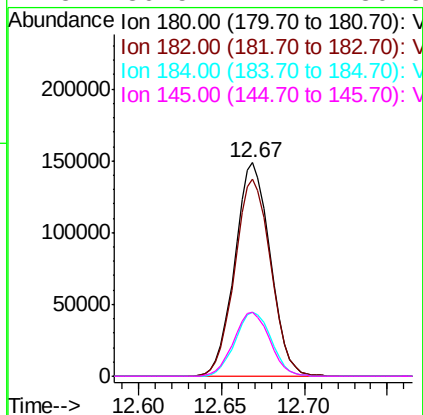
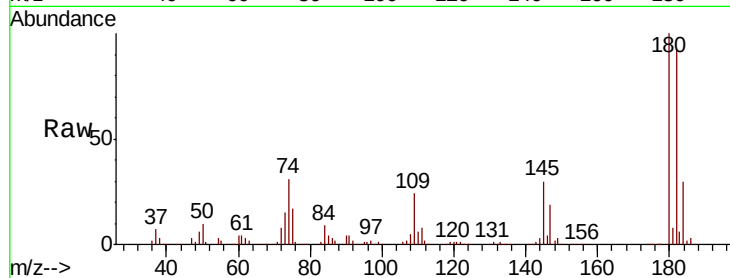




#67
 1,3,5-Trichlorobenzene
 Concen: 54.362 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

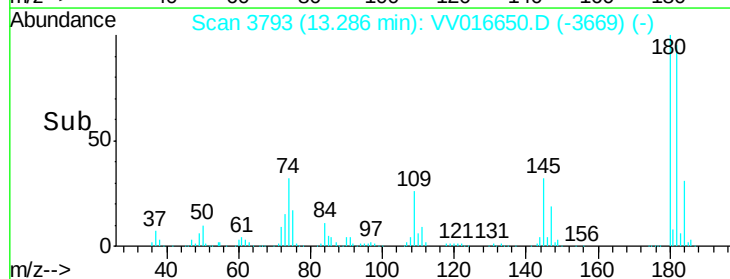
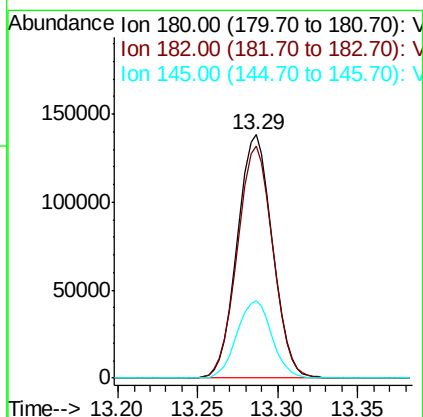
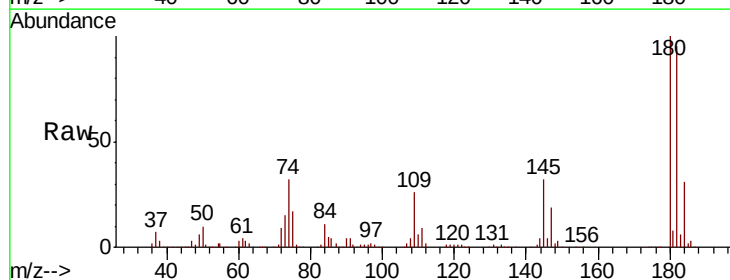
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

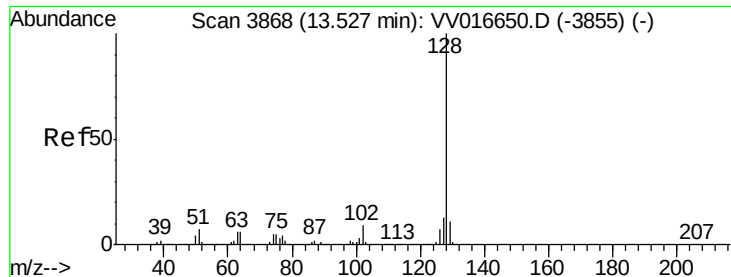
Tot Ion	180	Resp	221598
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.0	112.6
184	30.6	24.5	36.7
145	30.5	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 54.713 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016650.D
 Acq: 08 Jun 2020 11:02

Tgt Ion	180	Resp	207136
Ion Ratio	Lower	Upper	
180	100		
182	96.1	76.9	115.3
145	31.5	25.2	37.8





#69

Naphthalene

Concen: 54.264 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

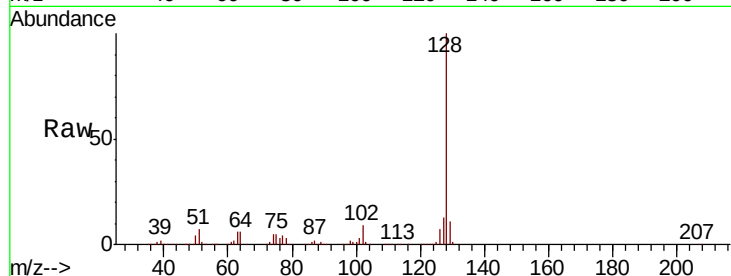
Tot Ion:128 Resp: 627330

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

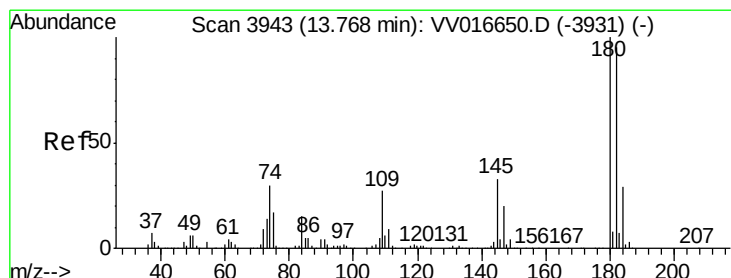
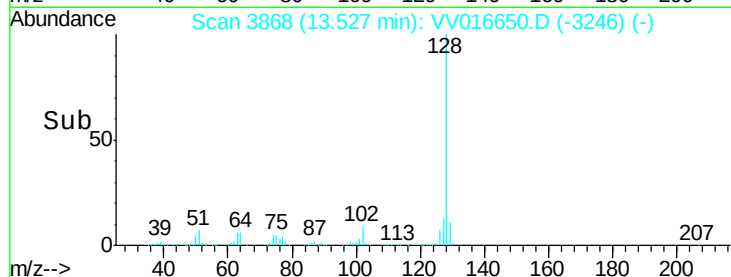
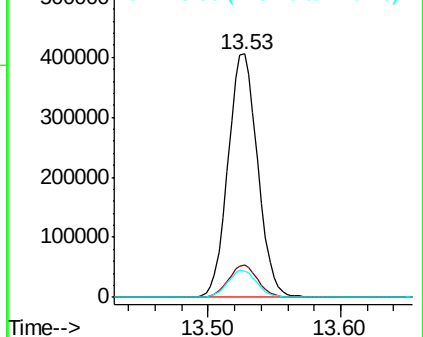
129 10.9 8.7 13.1



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: 56.472 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016650.D

Acq: 08 Jun 2020 11:02

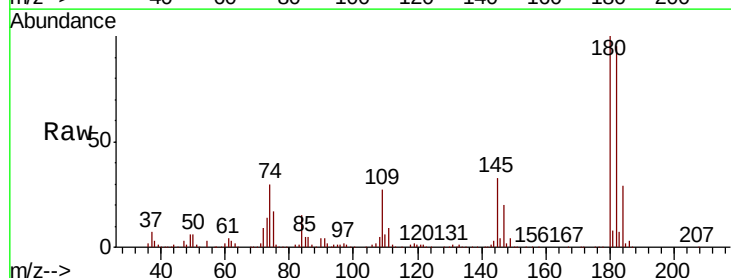
Tgt Ion:180 Resp: 205156

Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

145 32.6 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

