

Data File : VV014567.D
Acq On : 12 Feb 2020 11:54
Operator : SY/MD
Sample : VSTD10063
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

Quant Time: Feb 13 04:52:57 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 13 04:49:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	305481	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	288056	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	146096	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	125282	78.91	ug/L	0.00
7) Chloroethane-d5	1.58	69	86945	87.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	207806	95.20	ug/L	0.00
21) 2-Butanone-d5	3.92	46	222898	201.87	ug/L	0.00
24) Chloroform-d	4.40	84	374296	106.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	228429	106.50	ug/L	0.00
32) Benzene-d6	5.10	84	738959	100.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	221577	95.63	ug/L	0.00
41) Toluene-d8	7.36	98	709643	103.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	125924	105.09	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	180944	200.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	299668	99.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	267910	101.68	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	221007	89.965	ug/L	100
3) Chloromethane	1.26	50	183610	74.267	ug/L	97
5) Vinyl chloride	1.33	62	137861	69.757	ug/L	98
6) Bromomethane	1.53	94	69567	98.866	ug/L	99
8) Chloroethane	1.60	64	67258	76.415	ug/L	95
9) Trichlorofluoromethane	1.77	101	243242	100.632	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	103692	93.173	ug/L	99
12) 1,1-Dichloroethene	2.14	96	96895	87.322	ug/L	94
13) Acetone	2.18	43	203013	211.545	ug/L	93
14) Carbon disulfide	2.32	76	467636	86.121	ug/L	98
15) Methyl Acetate	2.45	43	167247	92.416	ug/L	99
16) Methylene chloride	2.54	84	196616	90.861	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	185693	94.609	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	608205	100.150	ug/L	100
19) 1,1-Dichloroethane	3.23	63	329907	93.004	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	219519	99.526	ug/L	98
22) 2-Butanone	4.00	43	277163	203.745	ug/L	99
23) Bromochloromethane	4.30	128	107895	104.014	ug/L	100
25) Chloroform	4.42	83	361133	98.806	ug/L	98
27) 1,2-Dichloroethane	5.17	62	279126	107.153	ug/L	100
29) Cyclohexane	4.73	56	297576	88.863	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	326222	106.672	ug/L	100
31) Carbon tetrachloride	4.87	117	293745	109.319	ug/L	100
33) Benzene	5.14	78	771573	93.727	ug/L	100
34) Trichloroethene	5.96	95	209192	99.472	ug/L	98
35) Methylcyclohexane	6.17	83	326064	94.567	ug/L	100
37) 1,2-Dichloropropane	6.22	63	193073	94.006	ug/L	100
38) Bromodichloromethane	6.55	83	283502	101.953	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	337880	99.315	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	483850	195.301	ug/L	100

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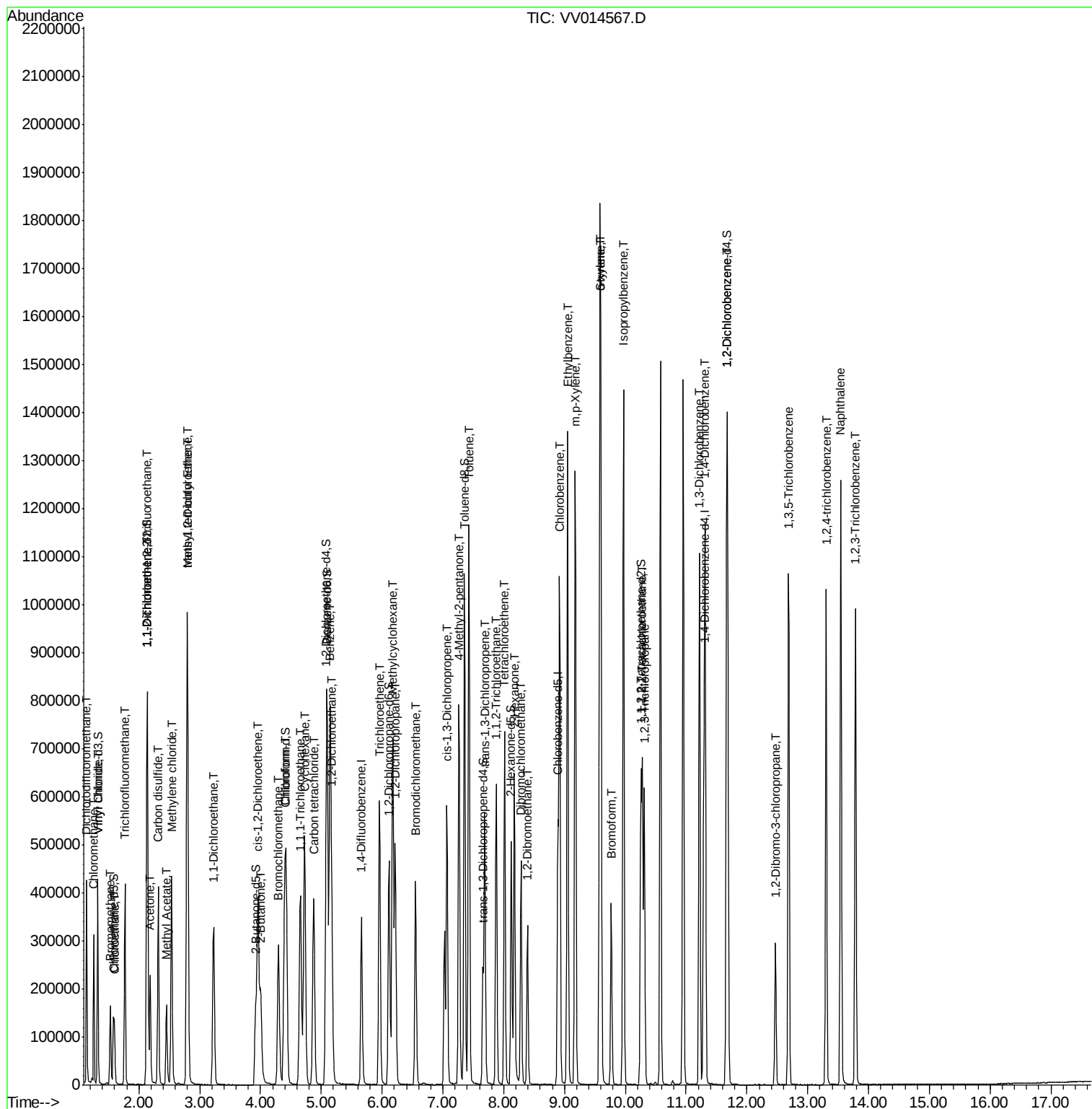
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	840518	96.978	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	313289	102.876	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	197975	100.809	ug/L	99
46) Tetrachloroethene	8.02	164	164679	105.256	ug/L	99
48) 2-Hexanone	8.17	43	388195	202.648	ug/L	98
49) Dibromochloromethane	8.29	129	238811	108.729	ug/L	100
50) 1,2-Dibromoethane	8.39	107	215692	102.334	ug/L	99
51) Chlorobenzene	8.92	112	557191	99.505	ug/L	98
52) Ethylbenzene	9.05	91	954197	97.771	ug/L	99
53) m,p-Xylene	9.18	106	370817	101.570	ug/L	97
54) o-xylene	9.58	106	352662	97.704	ug/L	99
55) Styrene	9.60	104	614442	101.123	ug/L	99
56) Isopropylbenzene	9.97	105	942383	101.381	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	309969	98.410	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	245993	99.807	ug/L	100
61) Bromoform	9.77	173	167908	110.700	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	445170	100.455	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	450740	98.640	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	436750	100.084	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	73510	105.250	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	323523	107.471	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	299327	108.851	ug/L	99
69) Naphthalene	13.54	128	970545	111.543	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	294463	111.015	ug/L	100

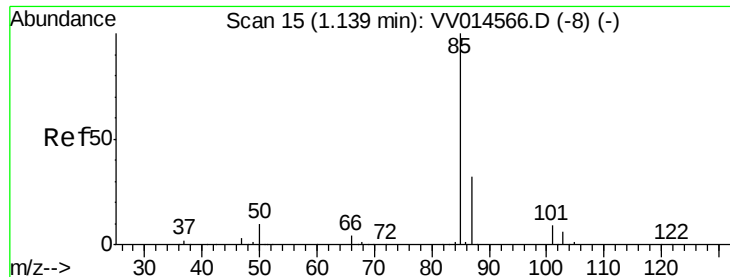
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 89.965 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

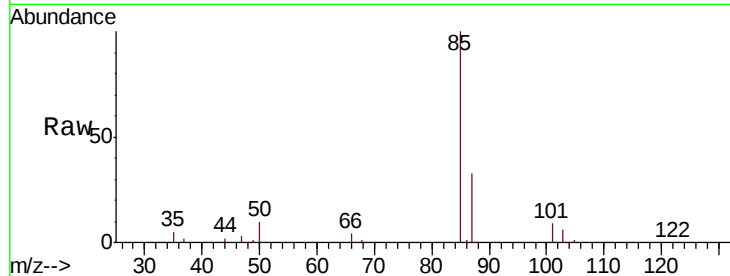
VSTD10063

Tgt Ion: 85 Resp: 221007

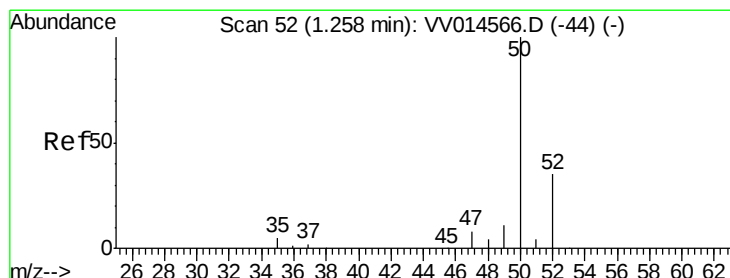
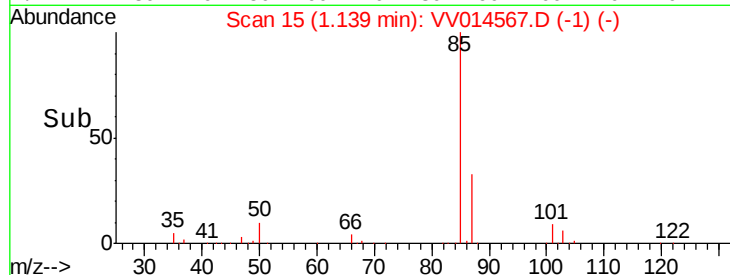
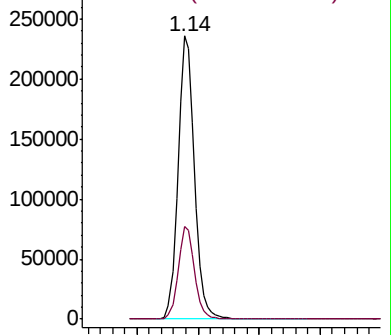
Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV014566.D (-8) (-)



#3

Chloromethane

Concen: 74.267 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014567.D

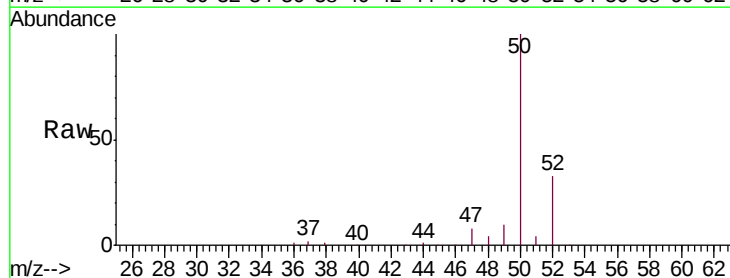
Acq: 12 Feb 2020 11:54

Tgt Ion: 50 Resp: 183610

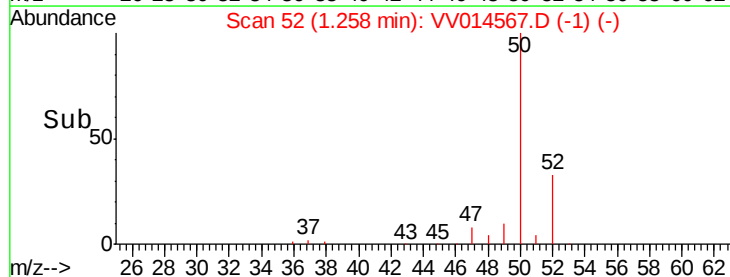
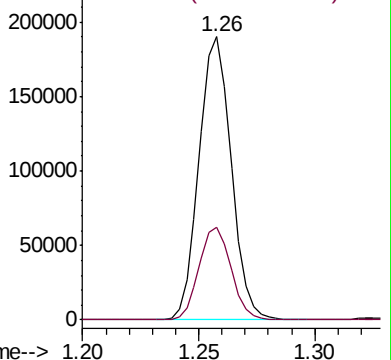
Ion Ratio Lower Upper

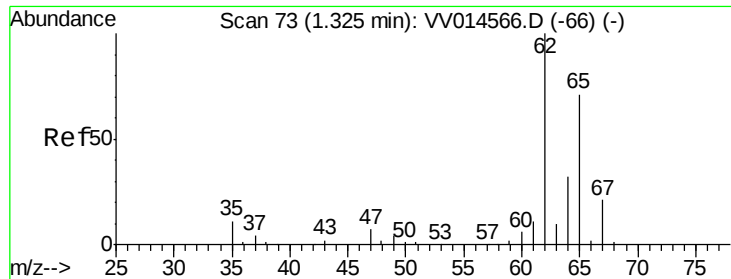
50 100

52 32.9 24.3 45.1



Abundance Ion 50.00 (49.70 to 50.70): VV014566.D (-44) (-)

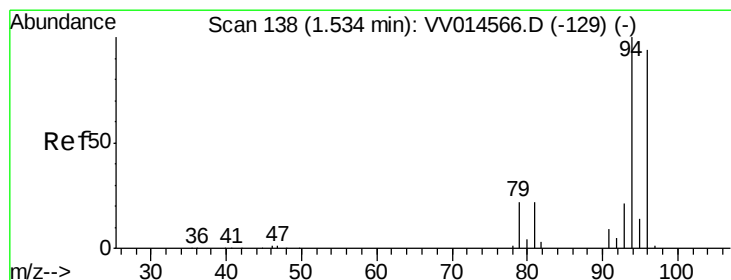
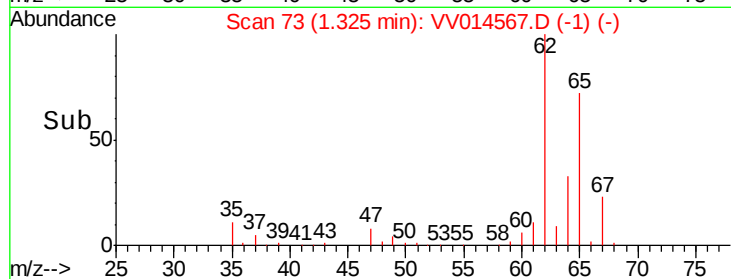
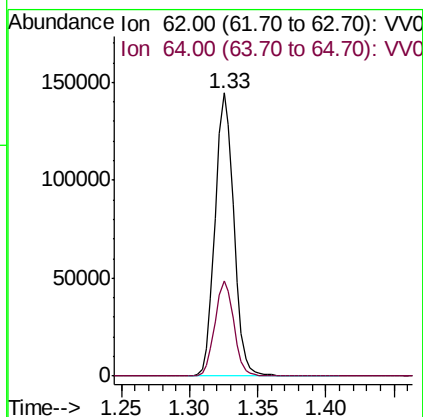
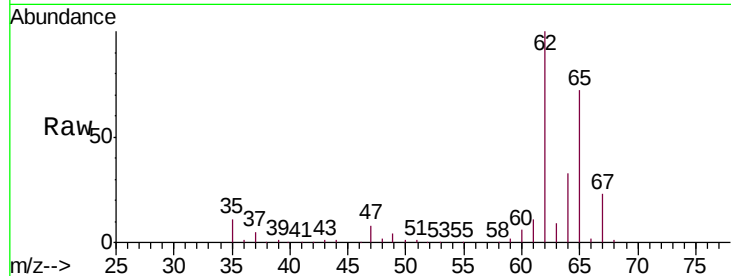




#5
 Vinyl chloride
 Concen: 69.757 ug/L
 RT: 1.33 min Scan# 73
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

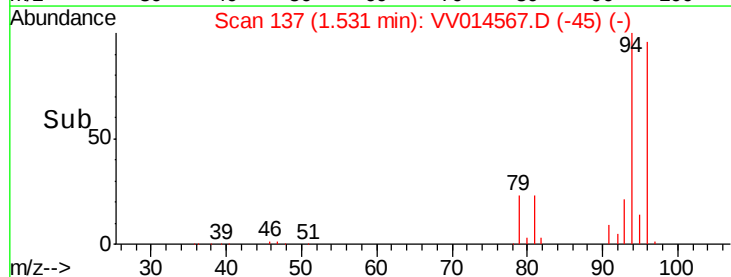
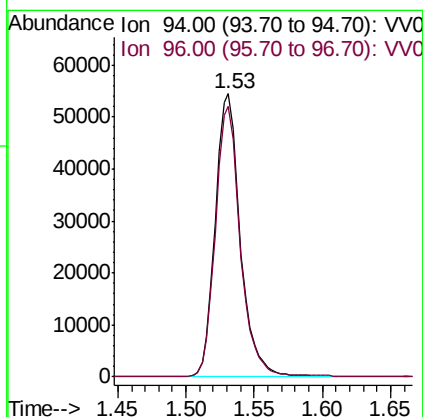
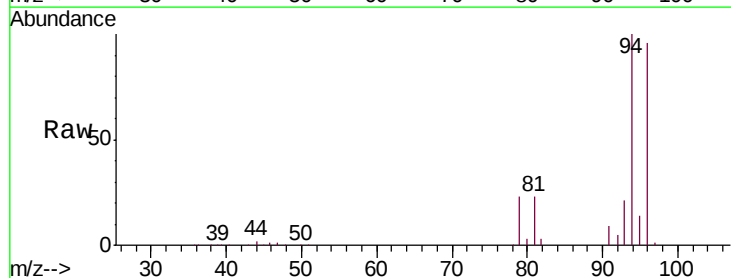
Instrument :
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 VSTD10063

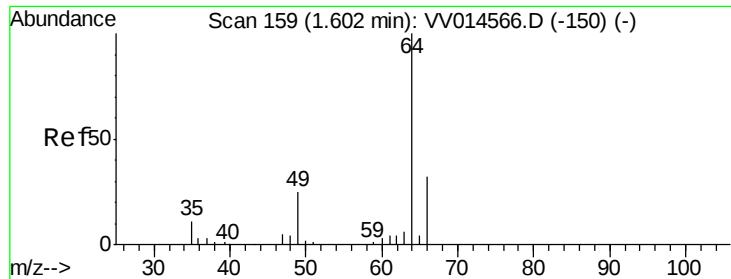
Tgt Ion: 62 Resp: 137861
 Ion Ratio Lower Upper
 62 100
 64 33.5 22.5 41.9



#6
 Bromomethane
 Concen: 98.866 ug/L
 RT: 1.53 min Scan# 137
 Delta R.T. -0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

Tgt Ion: 94 Resp: 69567
 Ion Ratio Lower Upper
 94 100
 96 95.5 66.1 122.7

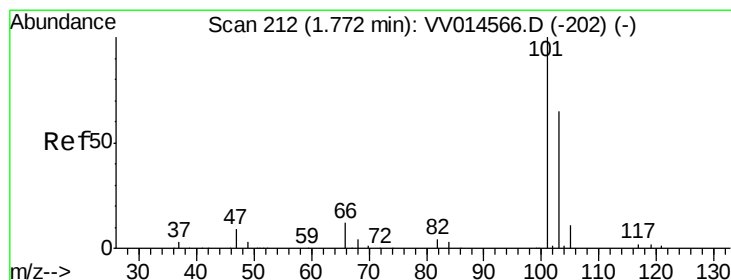
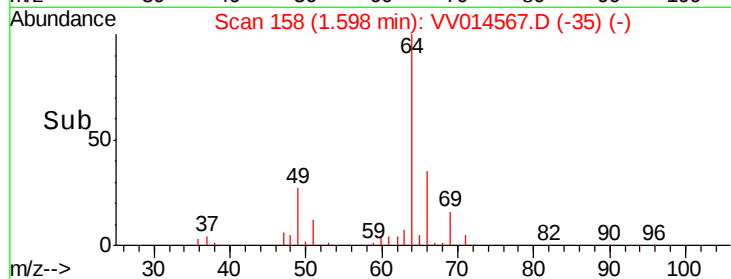
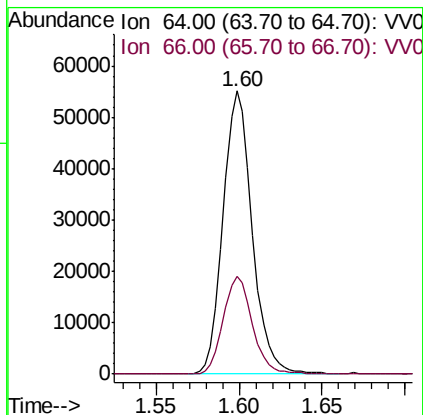
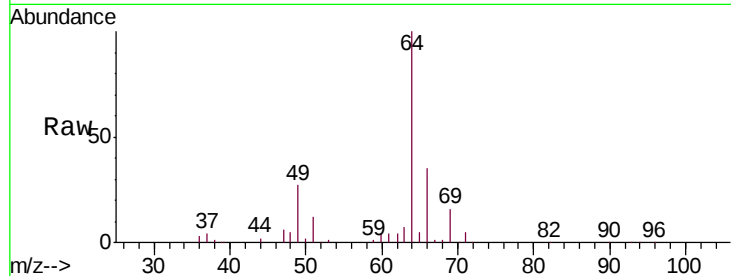




#8
Chloroethane
Concen: 76.415 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

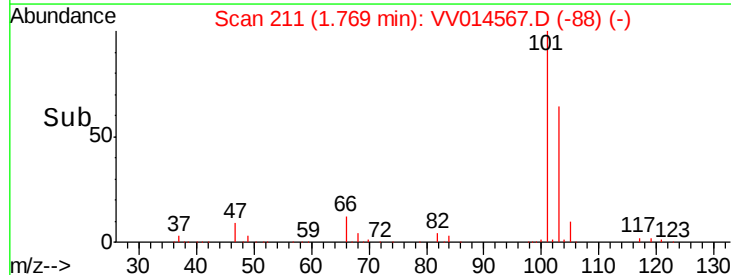
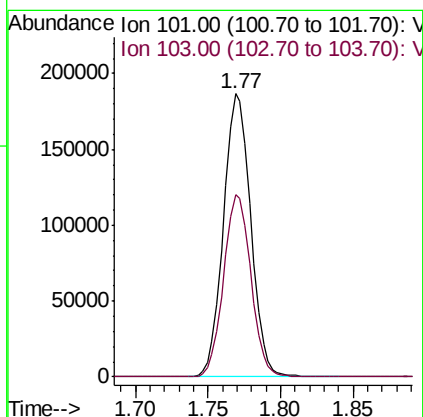
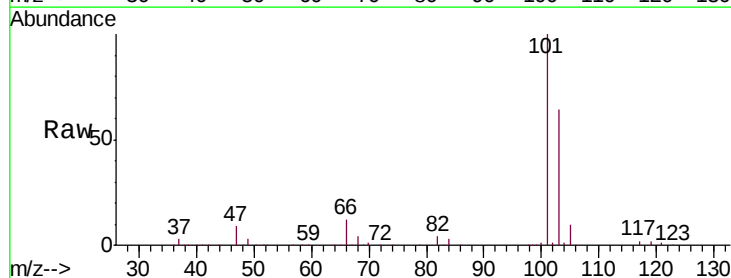
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

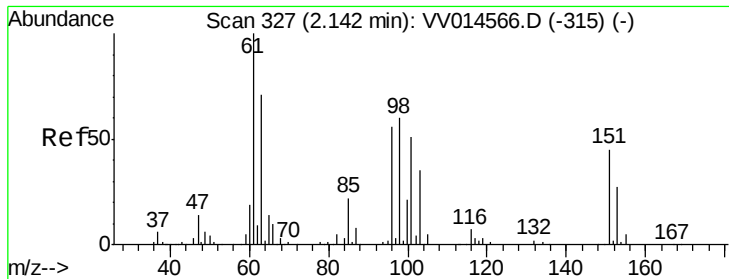
Tgt Ion: 64 Resp: 67258
Ion Ratio Lower Upper
64 100
66 34.6 22.3 41.5



#9
Trichlorofluoromethane
Concen: 100.632 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Tgt Ion: 101 Resp: 243242
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2





#10

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

Concen: 93.173 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

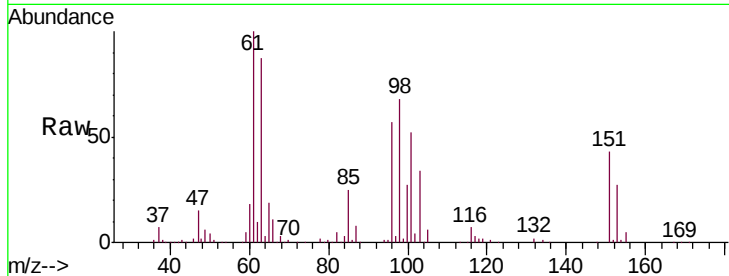
Tgt Ion: 101 Resp: 103692

Ion Ratio Lower Upper

101 100

85 46.4 35.4 53.0

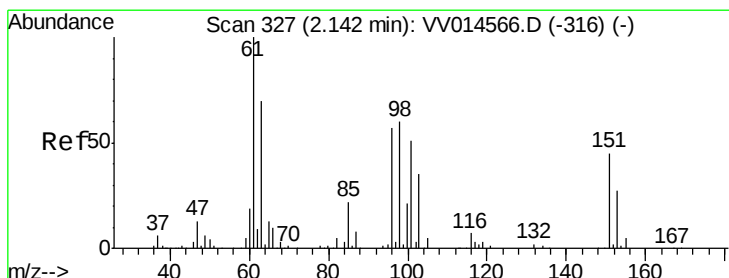
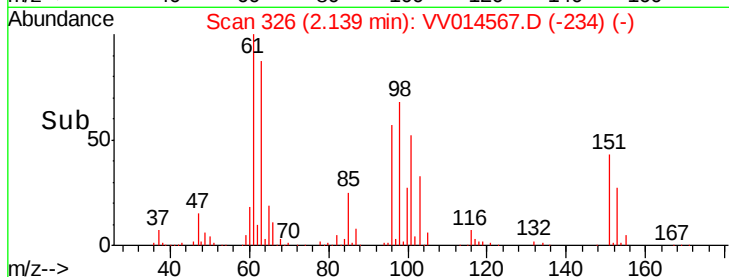
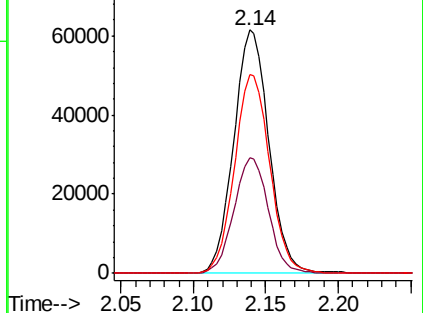
151 81.7 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 87.322 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

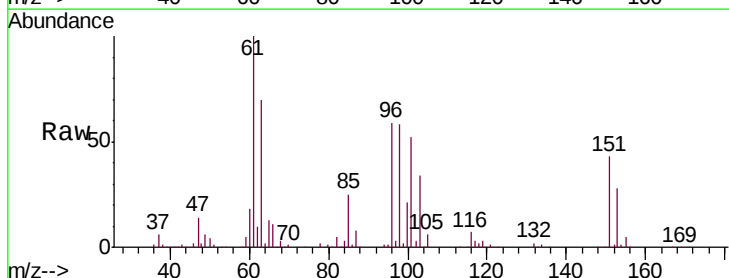
Tgt Ion: 96 Resp: 96895

Ion Ratio Lower Upper

96 100

61 170.4 124.2 230.6

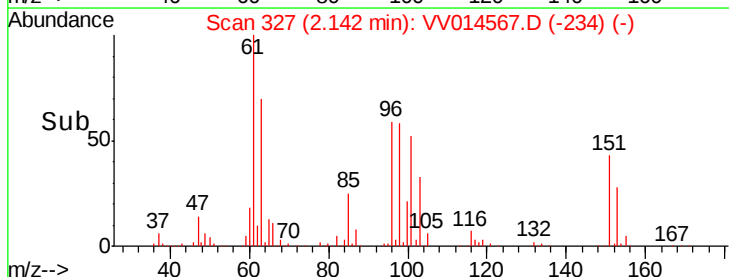
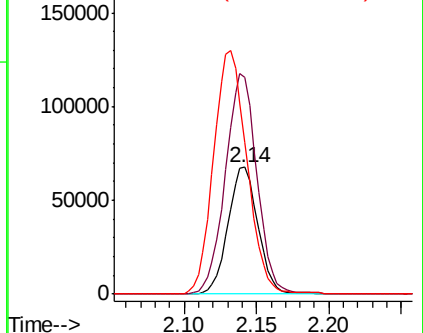
63 119.0 89.2 165.8

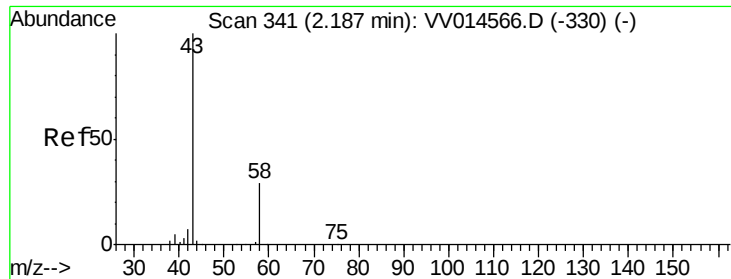


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 211.545 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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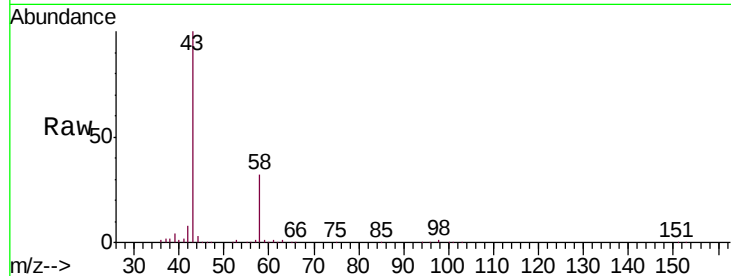
VSTD10063

Tgt Ion: 43 Resp: 203013

Ion Ratio Lower Upper

43 100

58 33.0 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014566.D (-330) (-)

2.18

150000

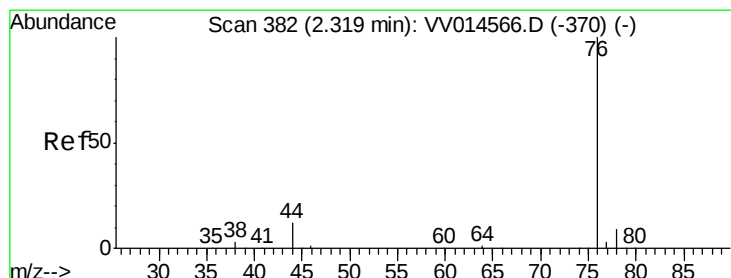
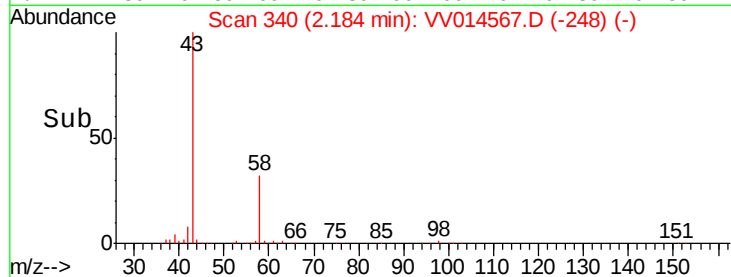
100000

50000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 86.121 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014567.D

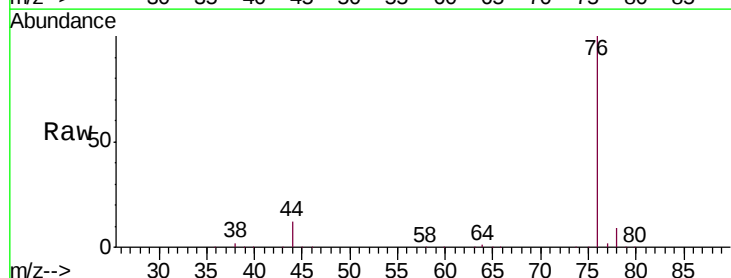
Acq: 12 Feb 2020 11:54

Tgt Ion: 76 Resp: 467636

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV014566.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV014566.D (-370) (-)

2.32

300000

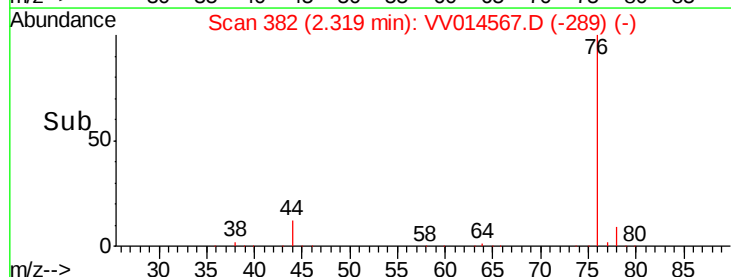
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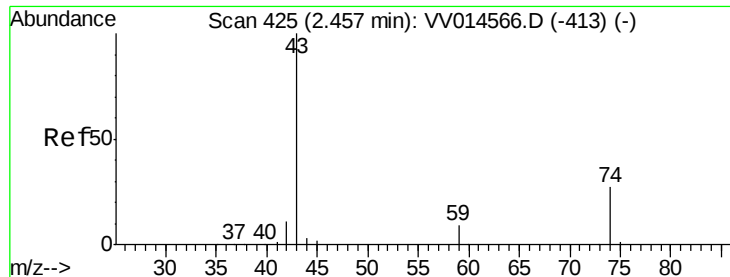
100000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 92.416 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

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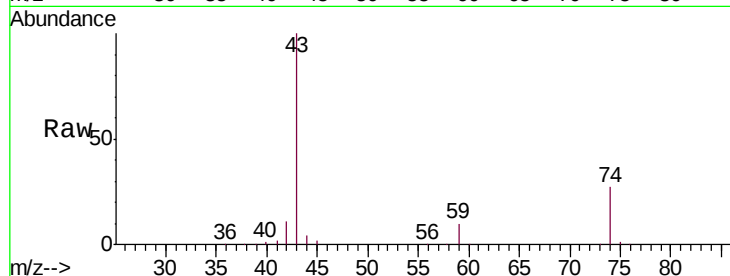
VSTD10063

Tgt Ion: 43 Resp: 167247

Ion Ratio Lower Upper

43 100

74 27.4 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-413) (-)

Ion 74.00 (73.70 to 74.70): VV014566.D (-413) (-)

2.45

120000

100000

80000

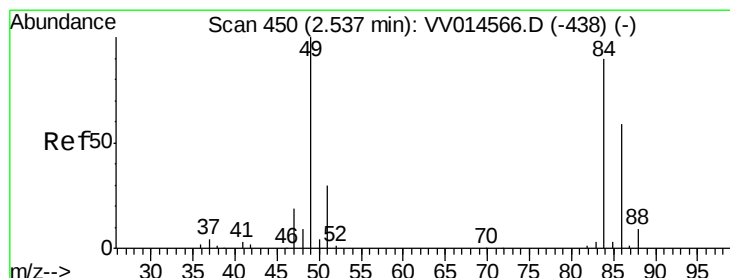
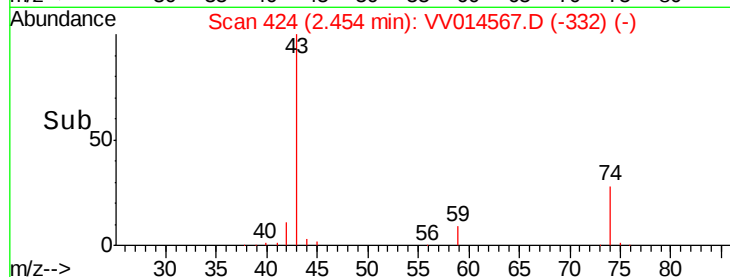
60000

40000

20000

0

Time-->



#16

Methylene chloride

Concen: 90.861 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

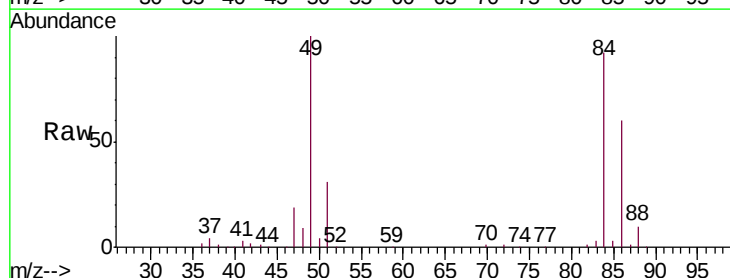
Tgt Ion: 84 Resp: 196616

Ion Ratio Lower Upper

84 100

86 64.9 46.3 86.1

49 108.5 78.1 145.1



Abundance Ion 84.00 (83.70 to 84.70): VV014566.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV014566.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV014566.D (-438) (-)

2.54

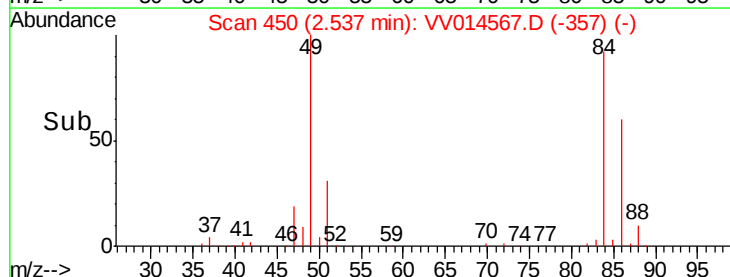
150000

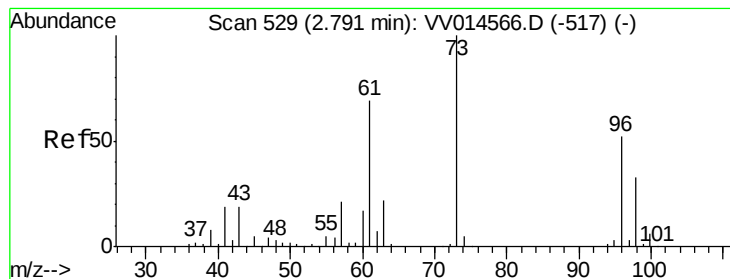
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 94.609 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

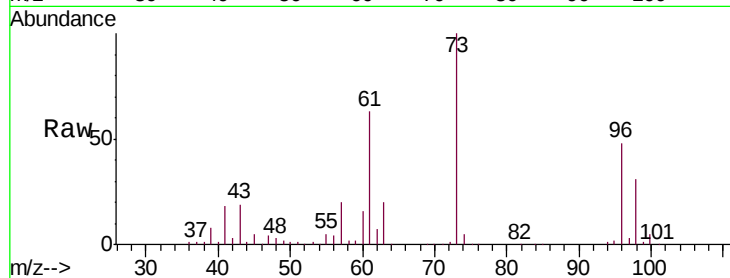
Tgt Ion: 96 Resp: 185693

Ion Ratio Lower Upper

96 100

61 132.2 93.0 172.6

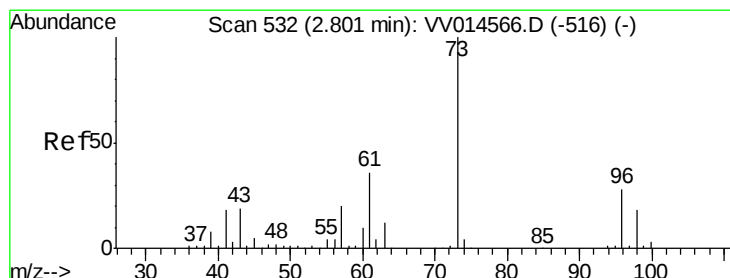
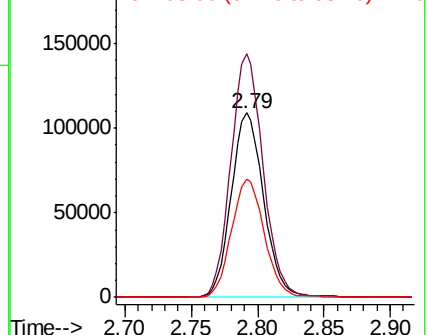
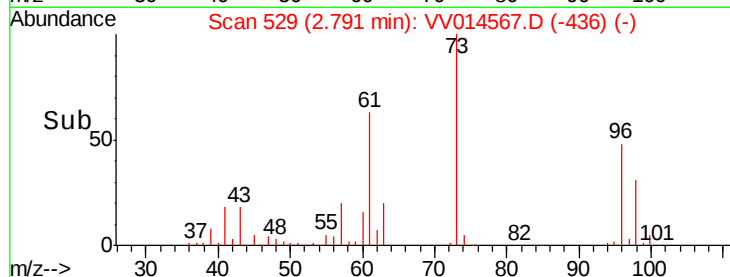
98 64.0 44.2 82.0



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: 100.150 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

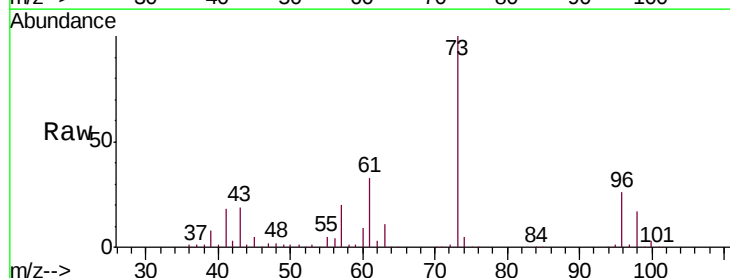
Tgt Ion: 73 Resp: 608205

Ion Ratio Lower Upper

73 100

43 18.8 15.1 22.7

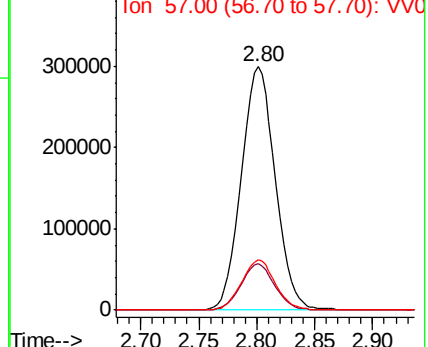
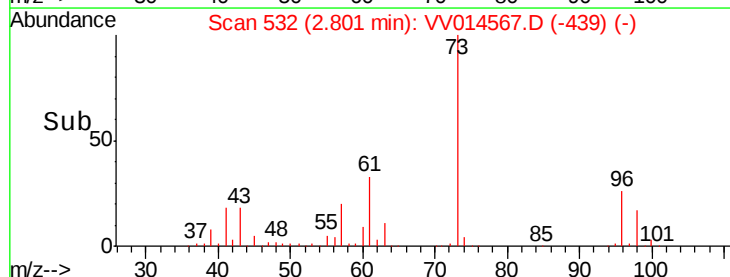
57 20.5 16.2 24.4

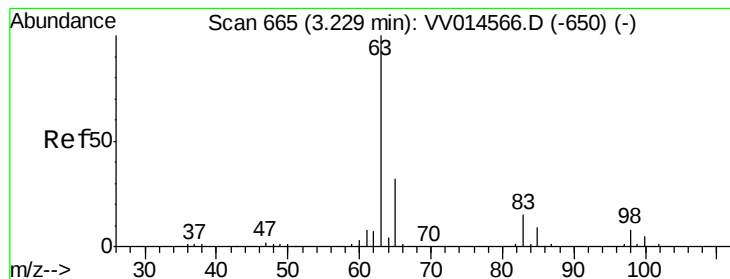


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

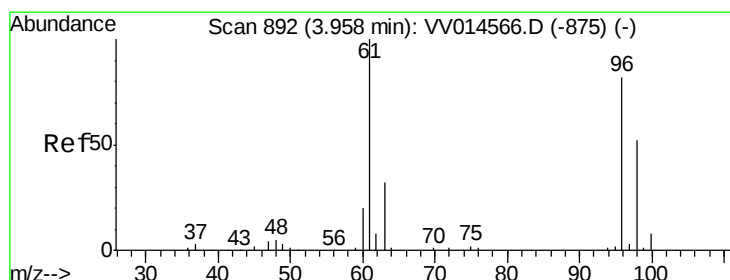
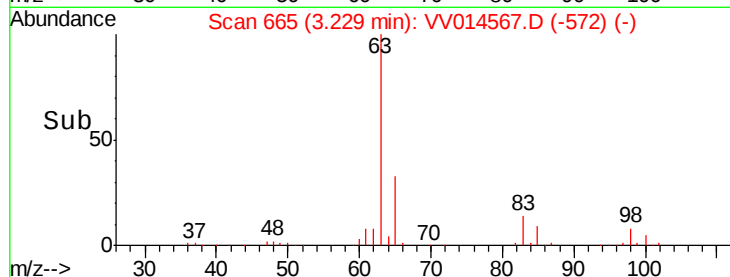
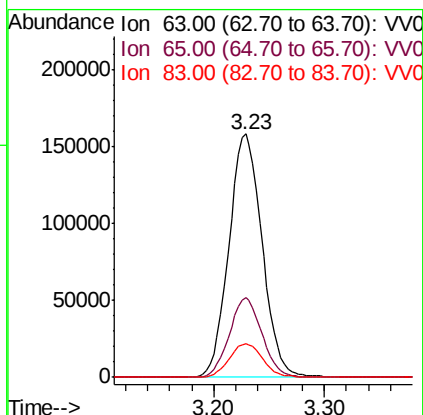
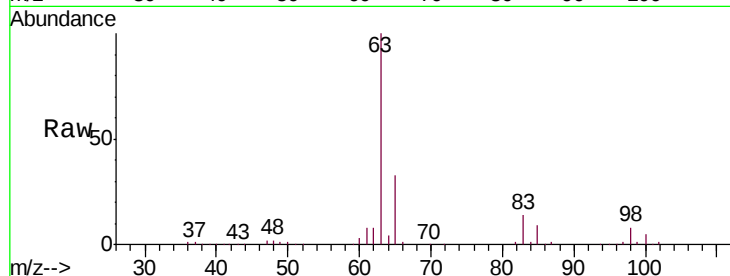




#19
 1,1-Dichloroethane
 Concen: 93.004 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

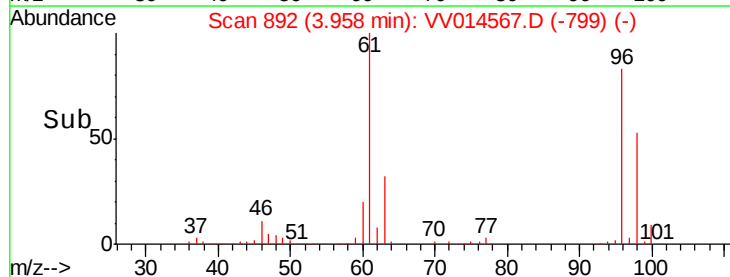
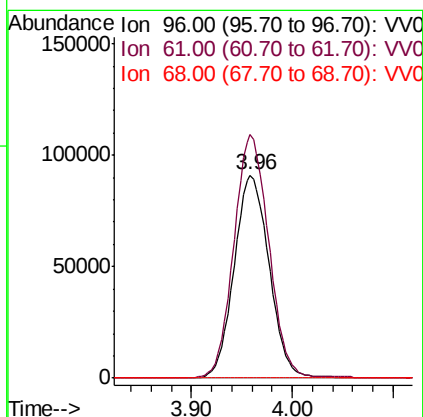
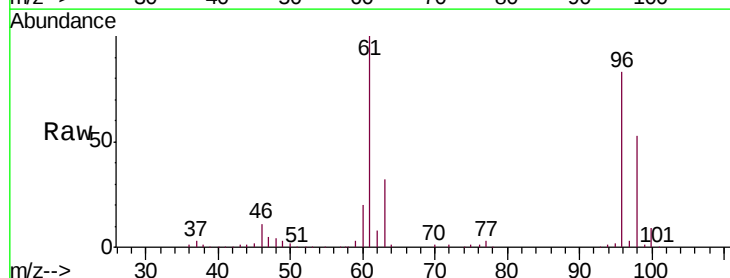
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

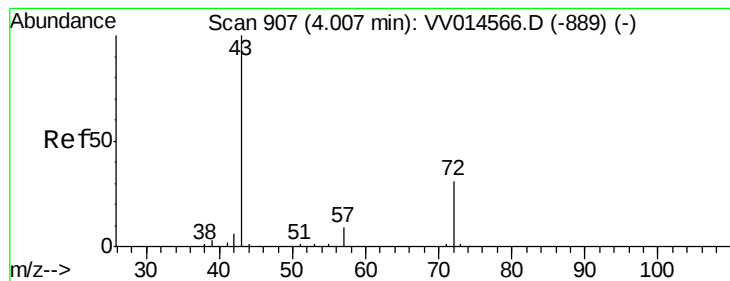
Tgt Ion: 63 Resp: 329907
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.2 41.2
 83 13.8 10.4 19.2



#20
 cis-1,2-Dichloroethene
 Concen: 99.526 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

Tgt Ion: 96 Resp: 219519
 Ion Ratio Lower Upper
 96 100
 61 120.1 85.9 159.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 203.745 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

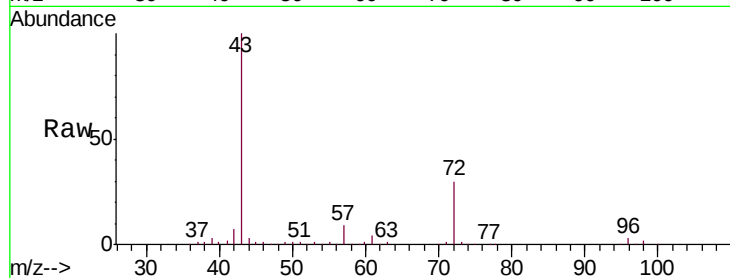
VSTD10063

Tgt Ion: 43 Resp: 277163

Ion Ratio Lower Upper

43 100

72 31.1 15.9 47.7



Abundance Ion 43.00 (42.70 to 43.70): VV014566.D (-889) (-)

Ion 72.00 (71.70 to 72.70): VV014566.D (-889) (-)

4.00

120000

100000

80000

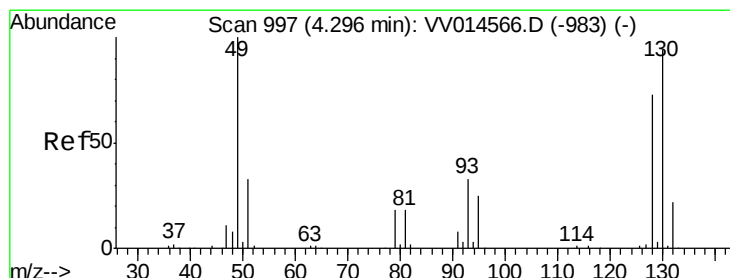
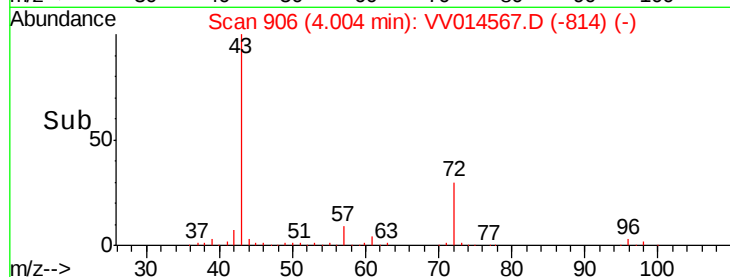
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 104.014 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Tgt Ion: 128 Resp: 107895

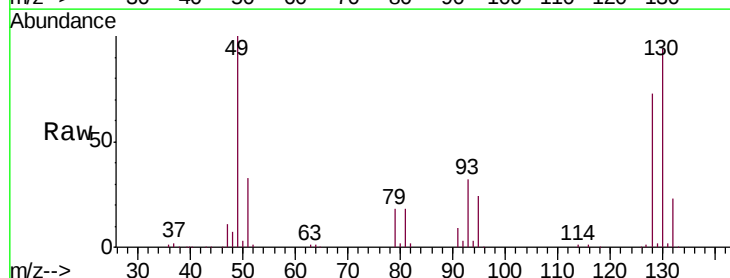
Ion Ratio Lower Upper

128 100

49 137.9 97.1 180.3

130 129.9 90.7 168.5

51 45.7 36.4 54.6



Abundance Ion 128.00 (127.70 to 128.70): VV014566.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV014566.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV014566.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV014566.D (-983) (-)

4.30

80000

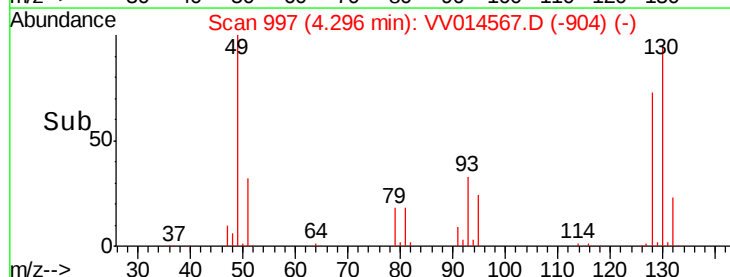
60000

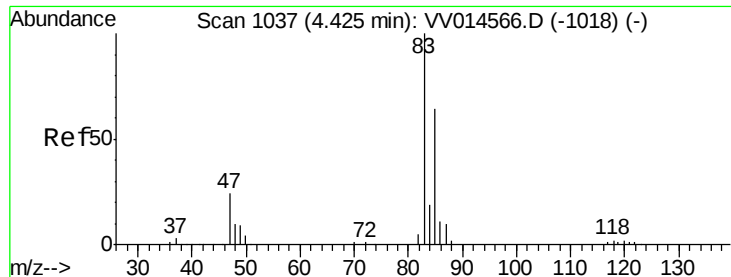
40000

20000

0

Time-->

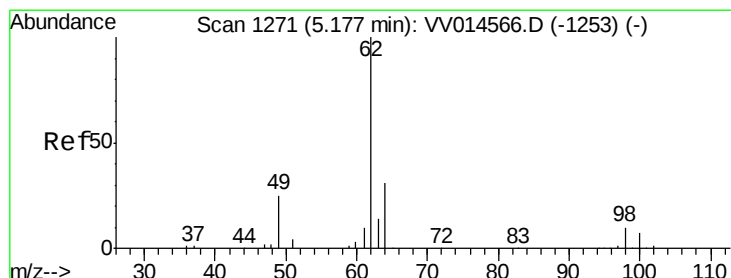
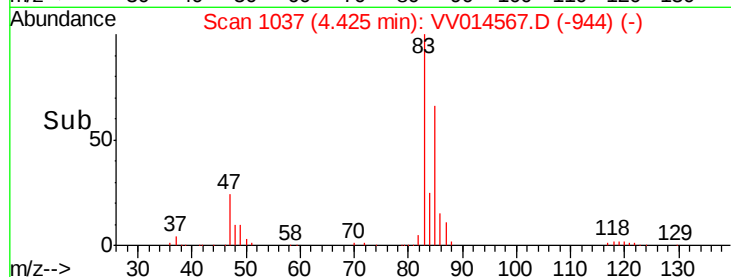
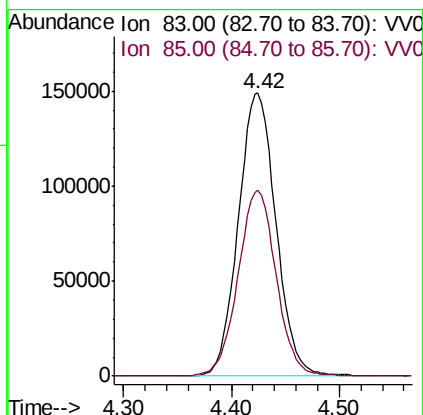
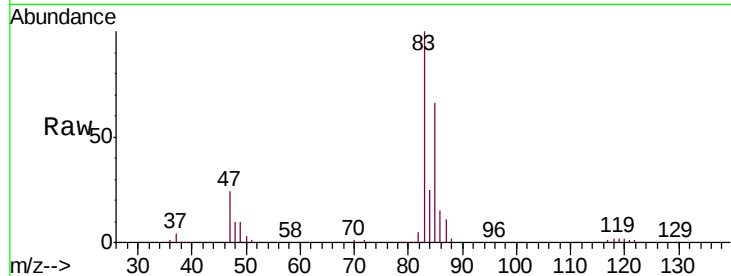




#25
Chloroform
Concen: 98.806 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

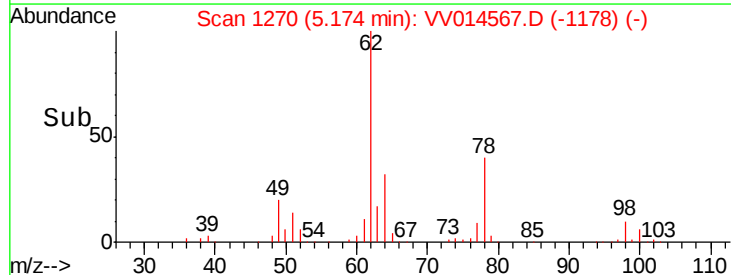
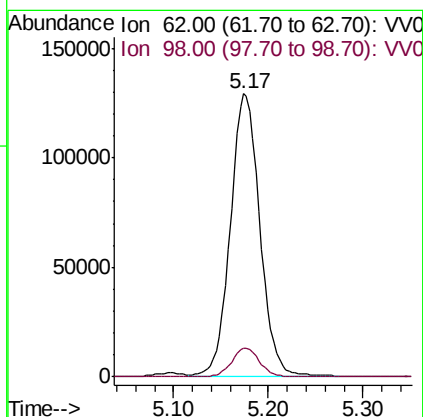
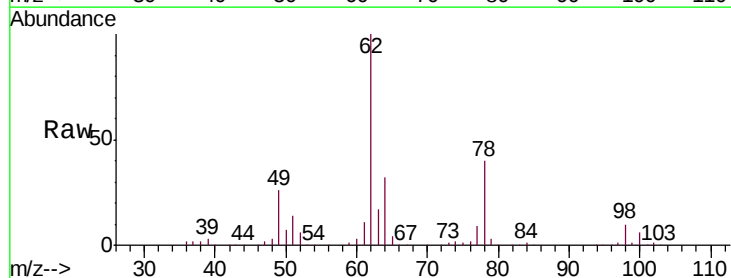
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

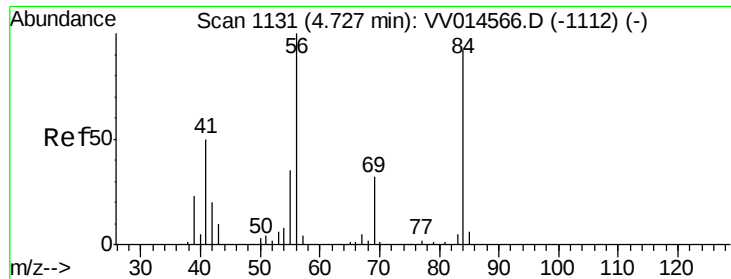
Tgt Ion: 83 Resp: 361133
Ion Ratio Lower Upper
83 100
85 65.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 107.153 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Tgt Ion: 62 Resp: 279126
Ion Ratio Lower Upper
62 100
98 10.0 7.9 11.9

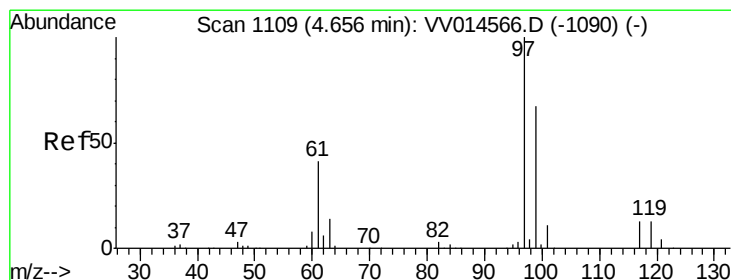
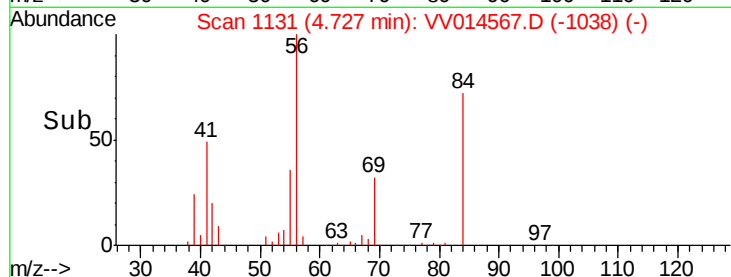
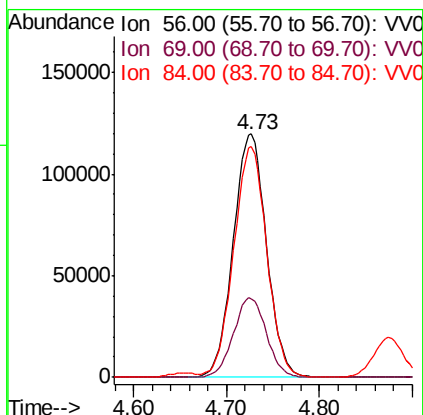
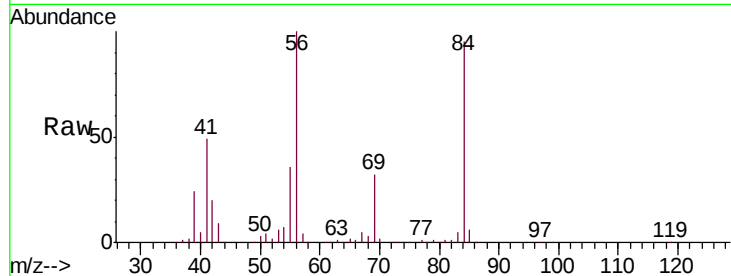




#29
Cyclohexane
Concen: 88.863 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

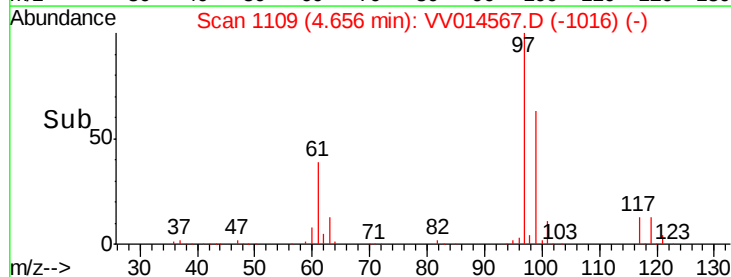
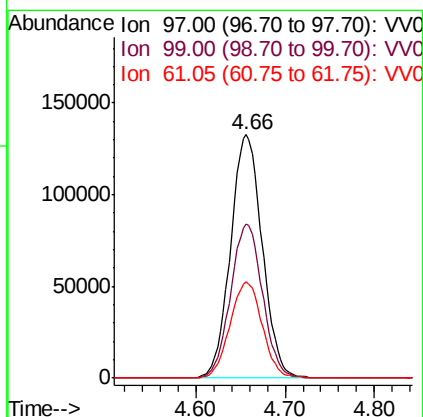
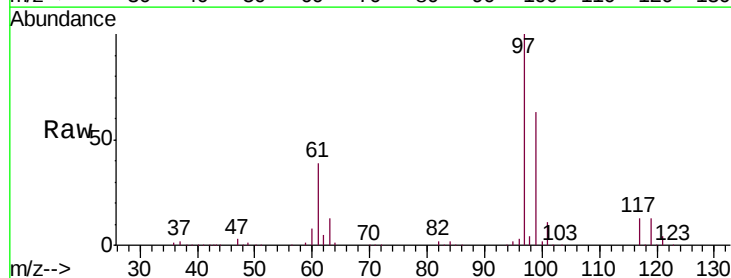
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

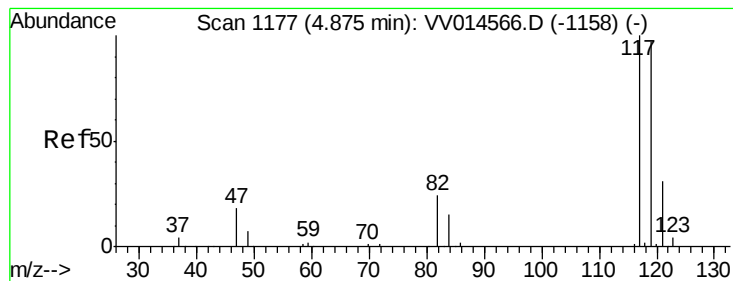
Tgt Ion: 56 Resp: 297576
Ion Ratio Lower Upper
56 100
69 32.4 26.5 39.7
84 93.7 75.8 113.8



#30
1,1,1-Trichloroethane
Concen: 106.672 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Tgt Ion: 97 Resp: 326222
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 40.2 32.4 48.6





#31

Carbon tetrachloride

Concen: 109.319 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

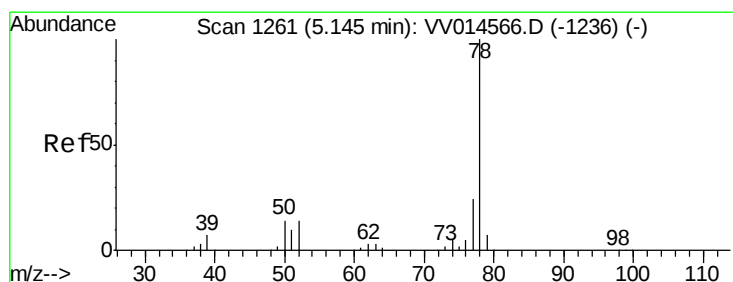
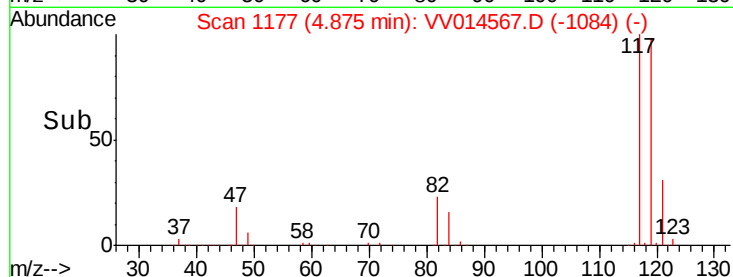
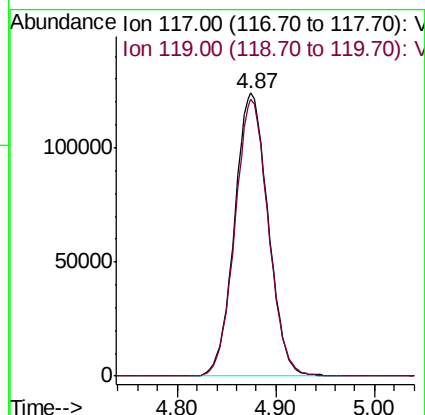
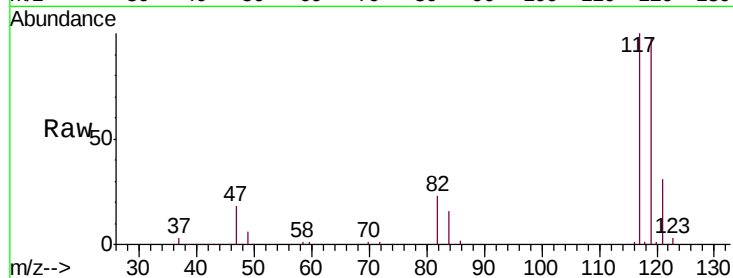
VSTD10063

Tgt Ion:117 Resp: 293745

Ion Ratio Lower Upper

117 100

119 96.8 77.6 116.4



#33

Benzene

Concen: 93.727 ug/L

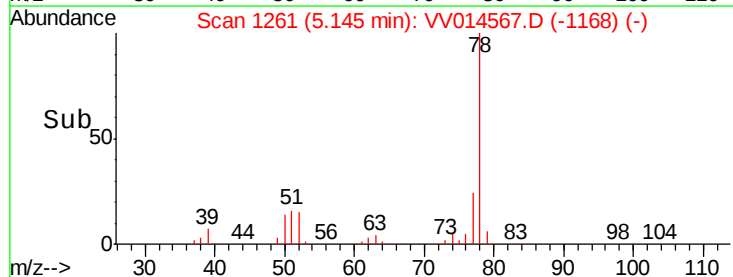
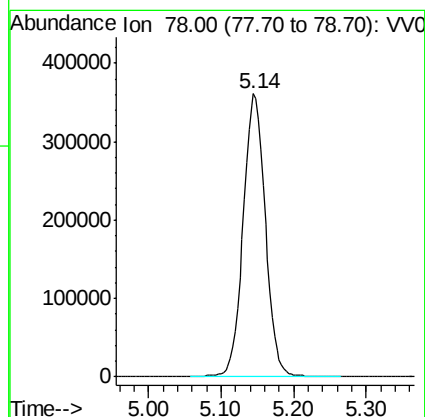
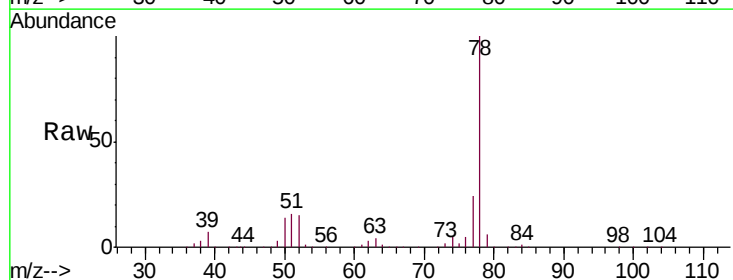
RT: 5.14 min Scan# 1261

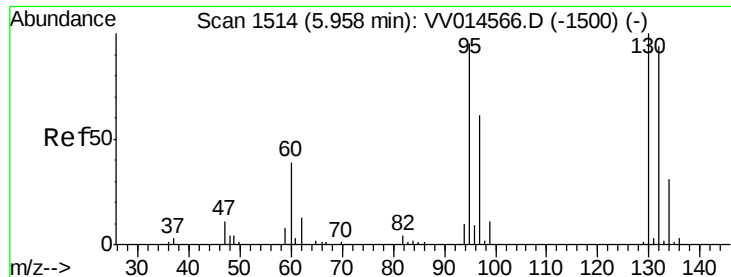
Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Tgt Ion: 78 Resp: 771573





#34

Trichloroethene

Concen: 99.472 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

Tgt Ion: 95 Resp: 209192

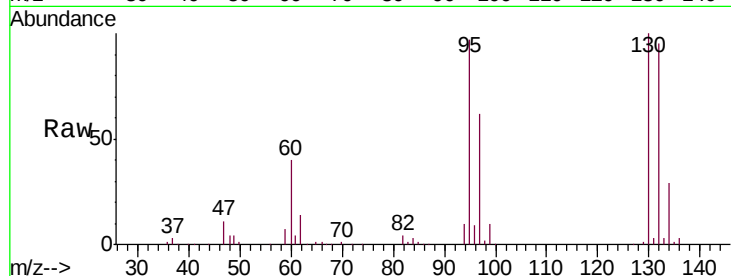
Ion Ratio Lower Upper

95 100

97 63.6 45.3 84.1

132 97.3 69.6 129.2

130 102.9 74.0 137.4

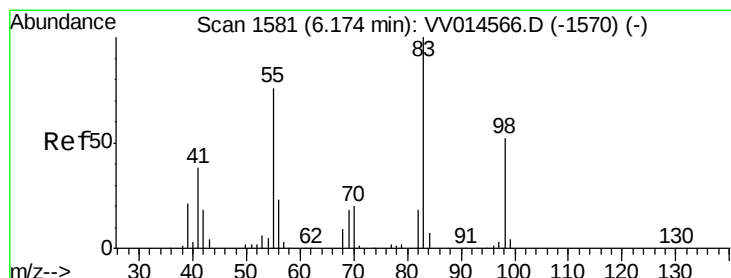
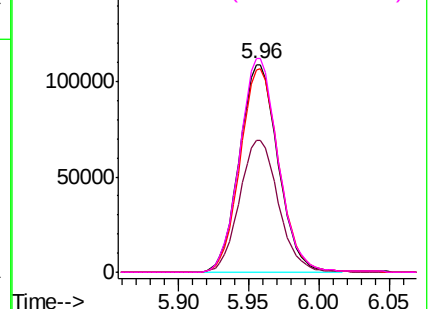
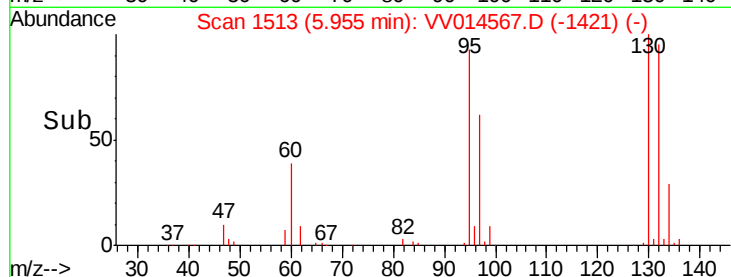


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 94.567 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

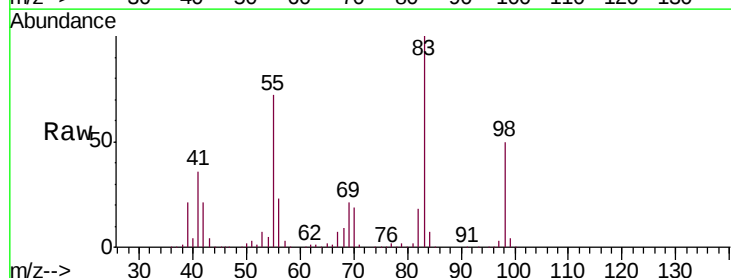
Tgt Ion: 83 Resp: 326064

Ion Ratio Lower Upper

83 100

55 72.0 57.8 86.6

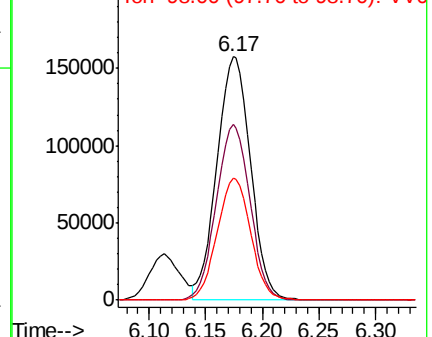
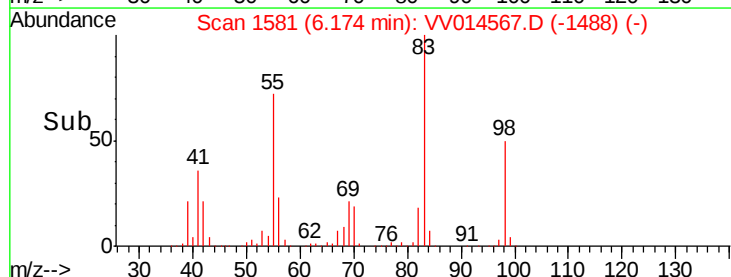
98 50.0 39.7 59.5

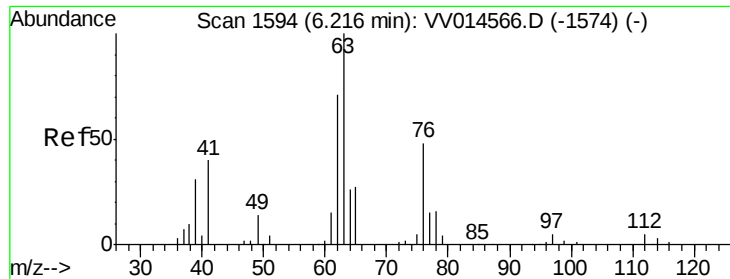


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

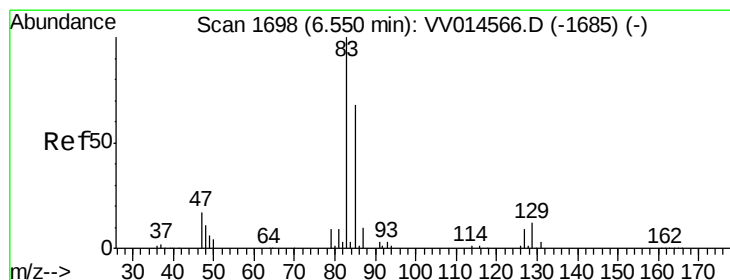
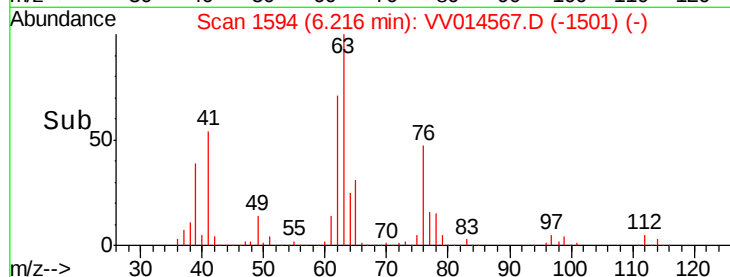
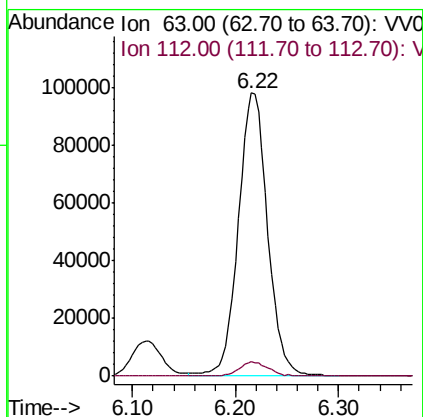
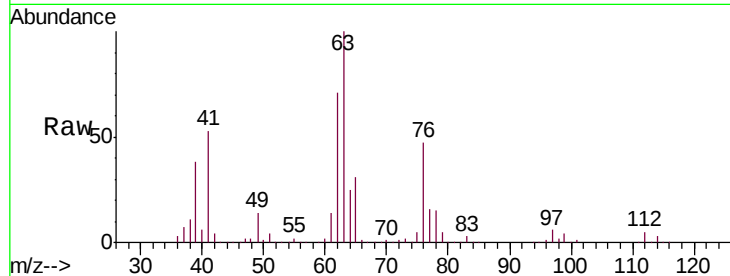




#37
 1,2-Dichloropropane
 Concen: 94.006 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

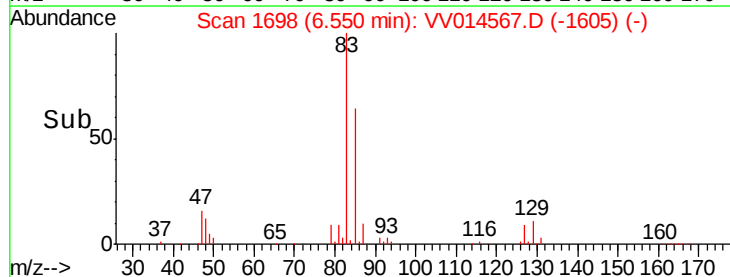
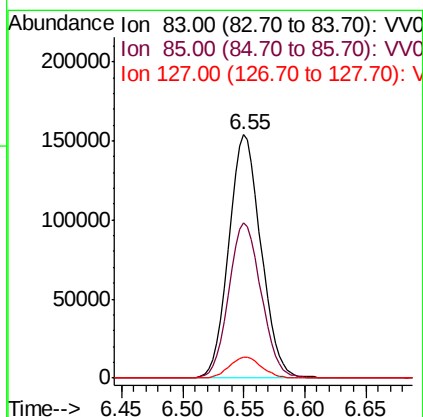
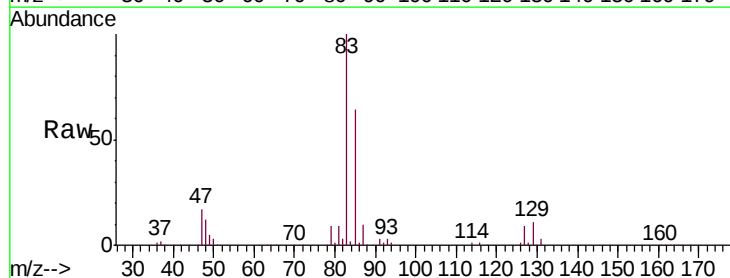
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD10063

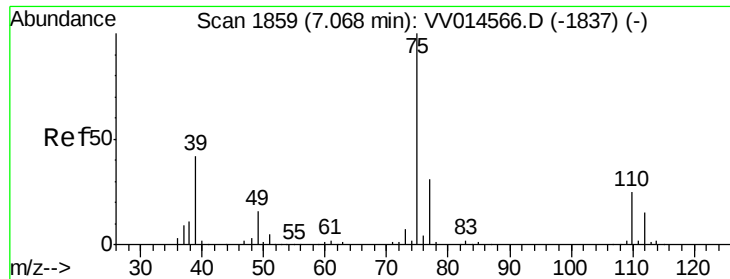
Tgt Ion: 63 Resp: 193073
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.1 6.1



#38
 Bromodichloromethane
 Concen: 101.953 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

Tgt Ion: 83 Resp: 283502
 Ion Ratio Lower Upper
 83 100
 85 63.8 47.3 87.8
 127 8.6 7.5 11.3

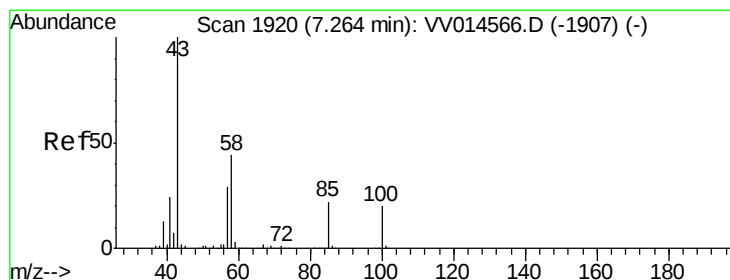
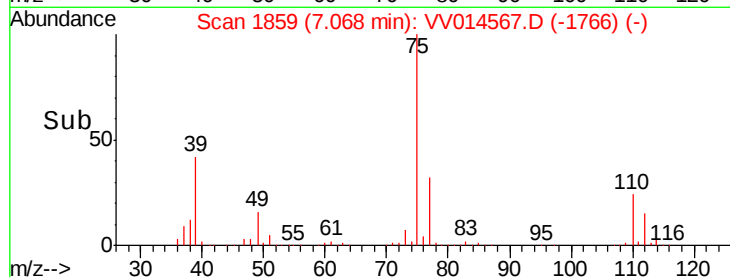
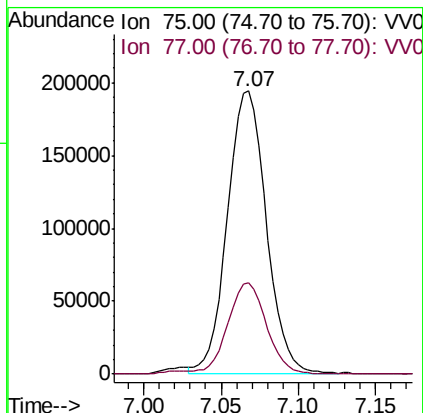
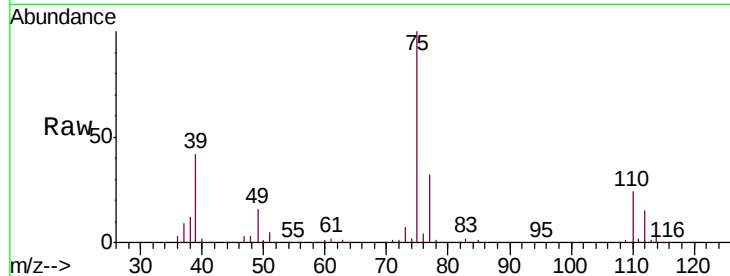




#39
 cis-1,3-Dichloropropene
 Concen: 99.315 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

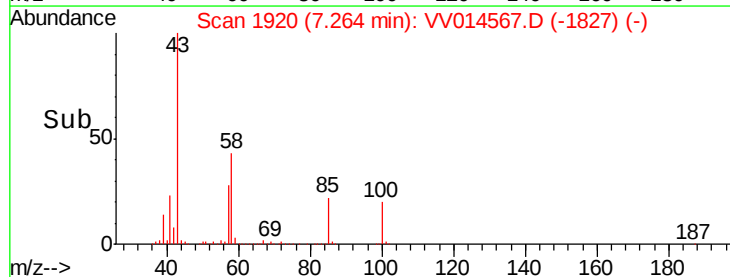
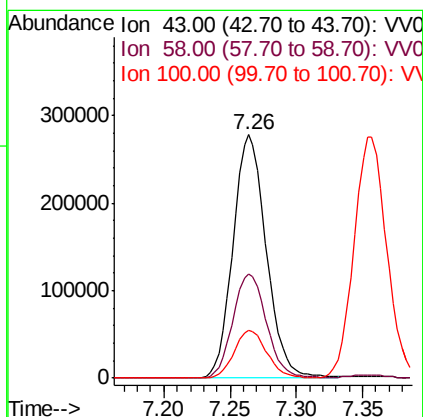
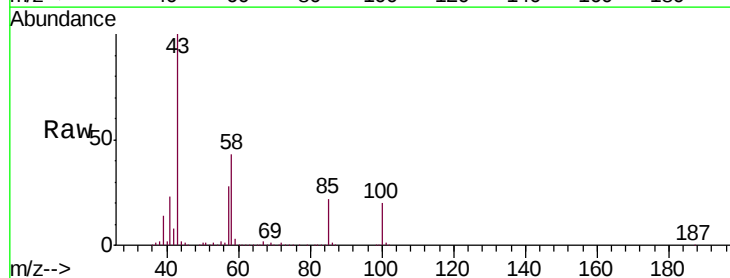
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

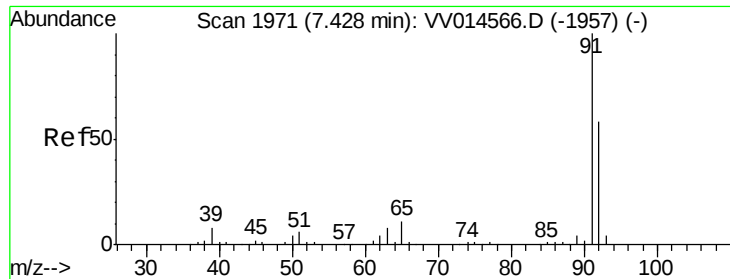
Tgt Ion: 75 Resp: 337880
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 195.301 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

Tgt Ion: 43 Resp: 483850
 Ion Ratio Lower Upper
 43 100
 58 43.5 35.0 52.6
 100 19.5 15.7 23.5





#42

Toluene

Concen: 96.978 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

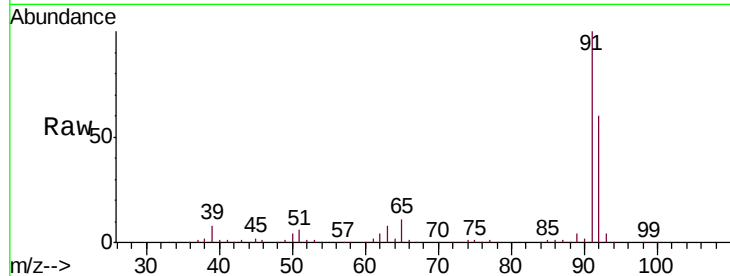
VSTD10063

Tgt Ion: 91 Resp: 840518

Ion Ratio Lower Upper

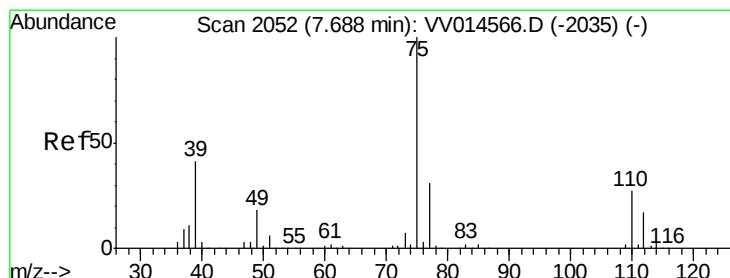
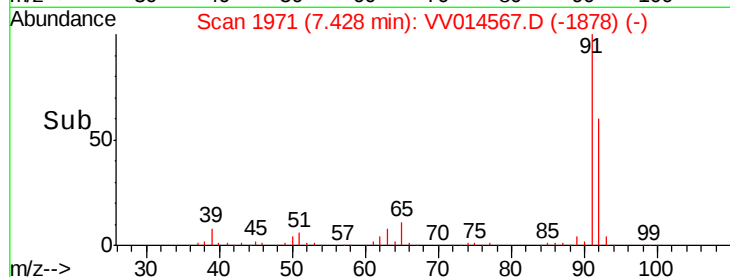
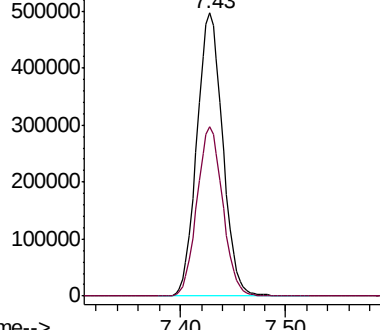
91 100

92 59.8 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 102.876 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014567.D

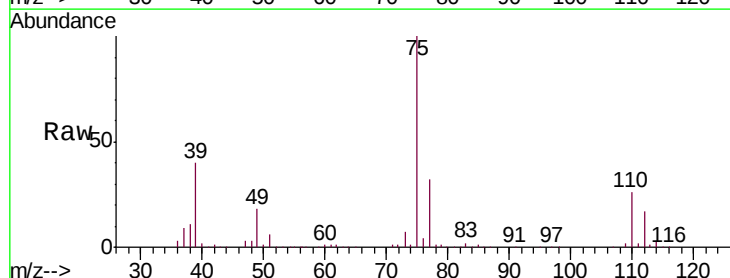
Acq: 12 Feb 2020 11:54

Tgt Ion: 75 Resp: 313289

Ion Ratio Lower Upper

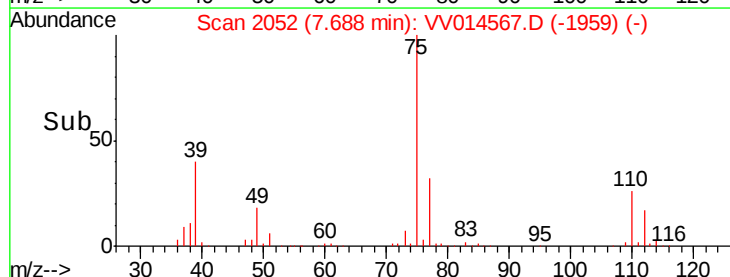
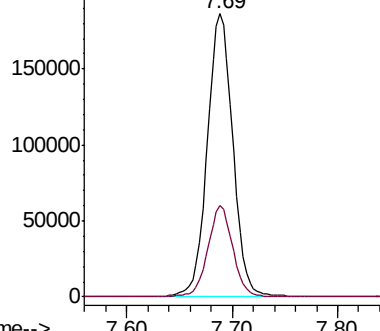
75 100

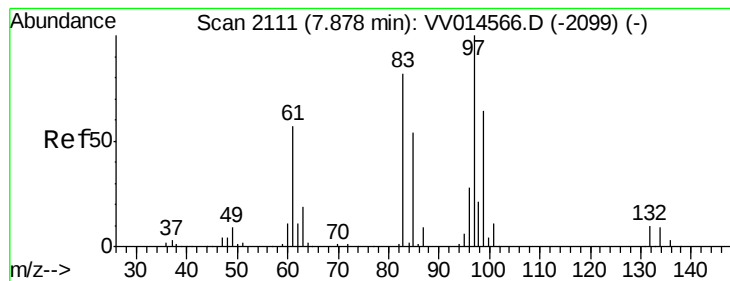
77 32.1 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 100.809 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

Tgt Ion: 97 Resp: 197975

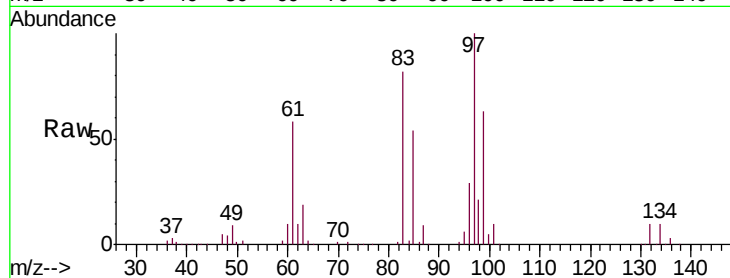
Ion Ratio Lower Upper

97 100

99 63.4 44.9 83.3

83 82.3 57.5 106.7

85 54.4 37.5 69.7

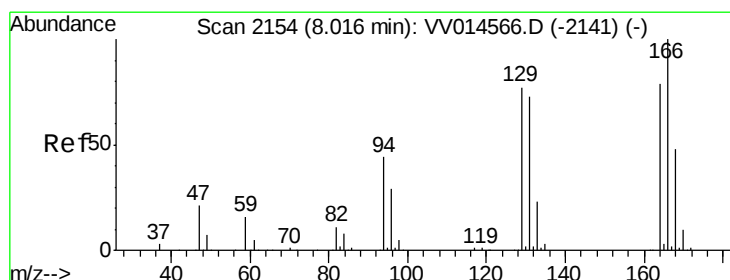
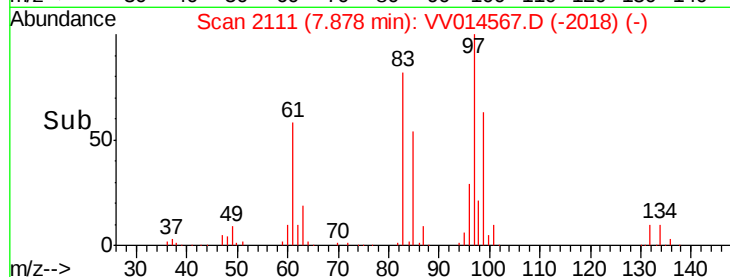
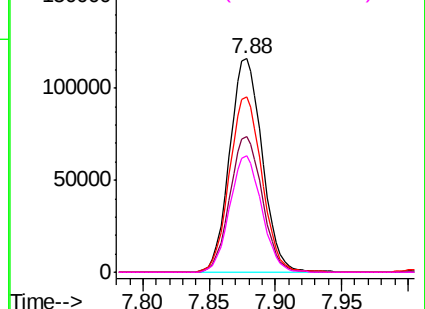


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 105.256 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Tgt Ion: 164 Resp: 164679

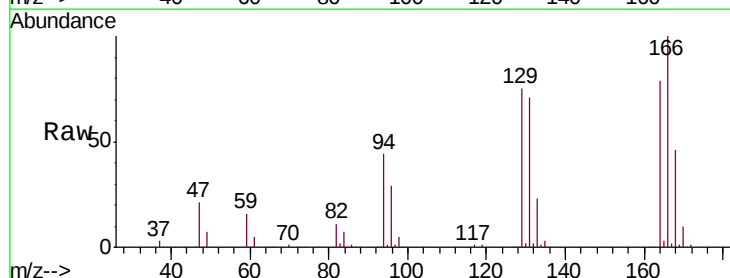
Ion Ratio Lower Upper

164 100

129 95.2 67.8 126.0

131 90.3 64.5 119.9

166 126.8 88.6 164.6

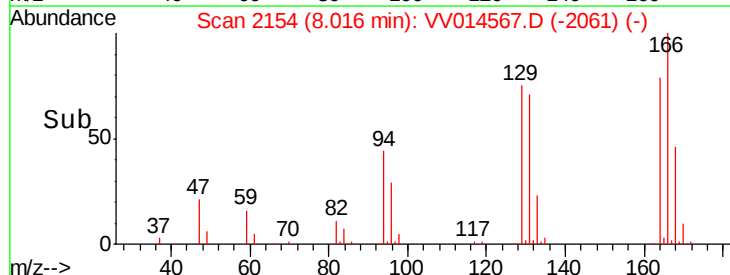
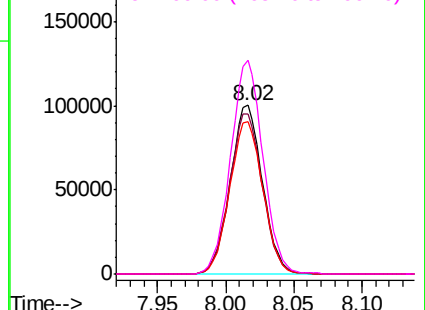


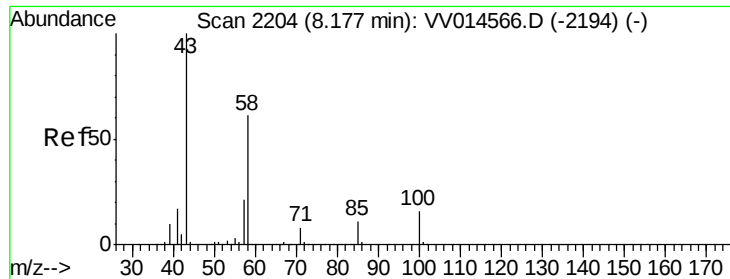
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

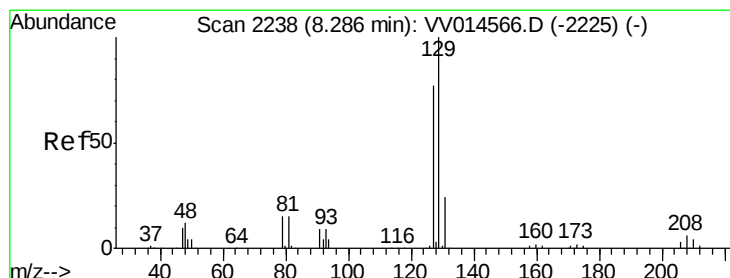
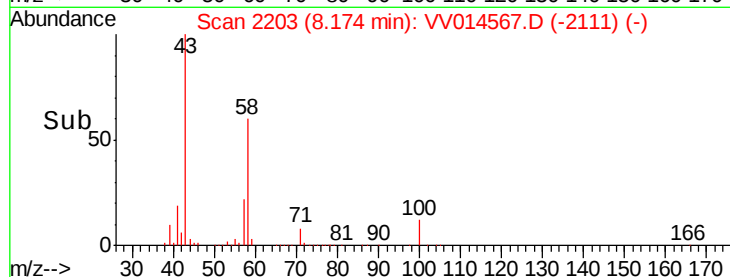
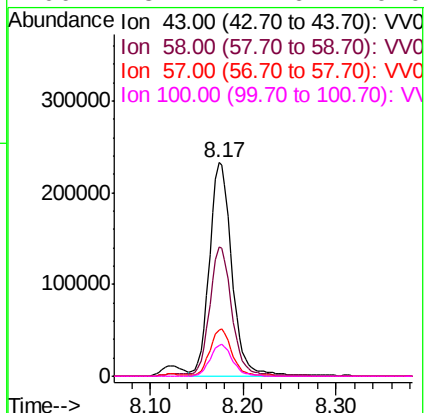
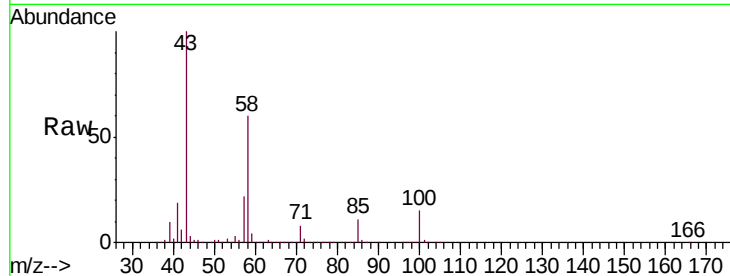




#48
2-Hexanone
Concen: 202.648 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

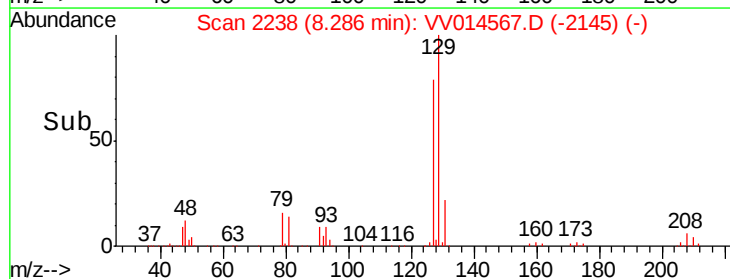
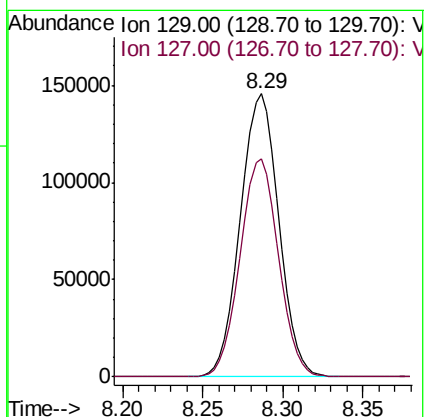
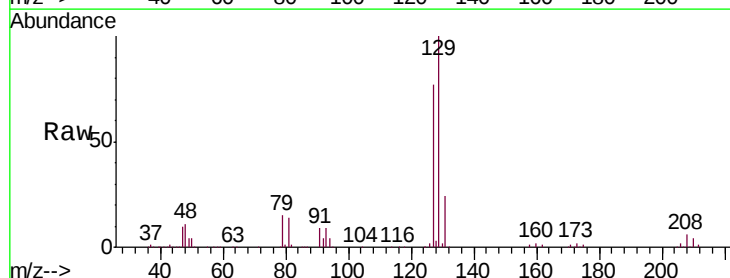
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

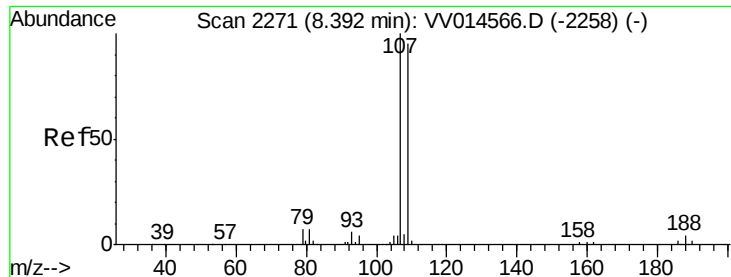
Tgt Ion:	43	Resp:	388195
Ion	Ratio	Lower	Upper
43	100		
58	60.9	50.4	75.6
57	21.4	17.8	26.6
100	15.1	12.6	19.0



#49
Dibromochloromethane
Concen: 108.729 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Tgt Ion:	129	Resp:	238811
Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.3	100.8

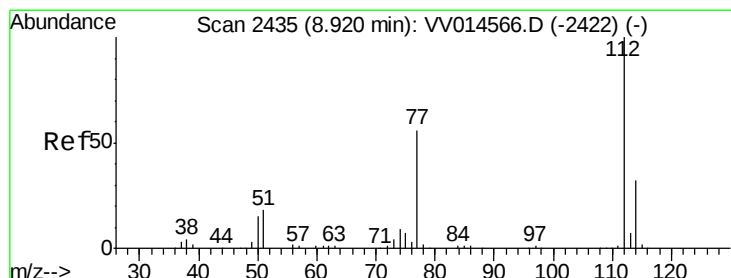
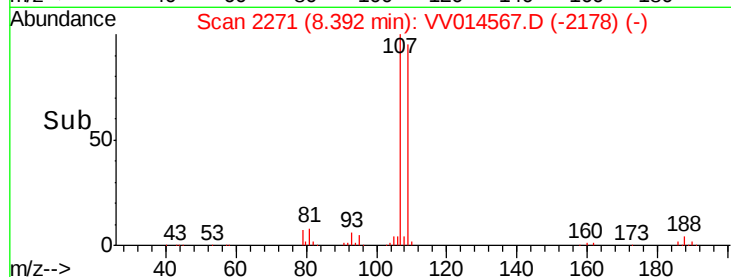
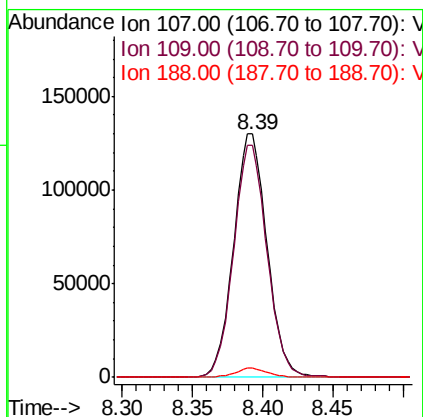
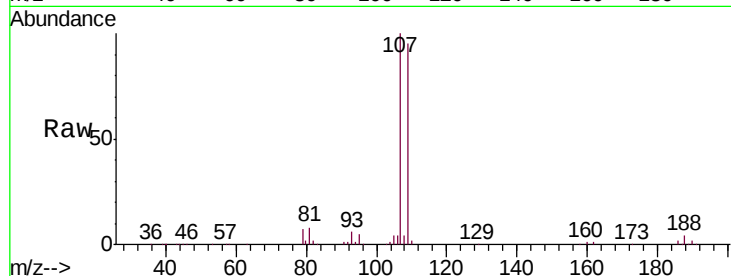




#50
1,2-Dibromoethane
Concen: 102.334 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

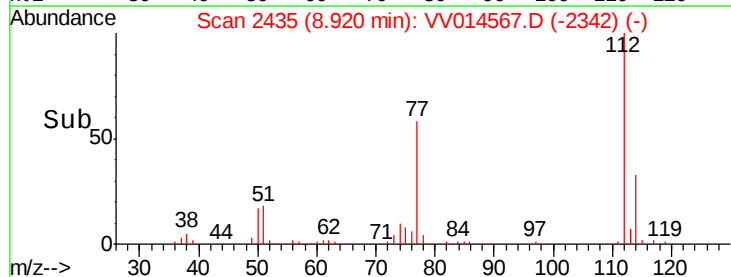
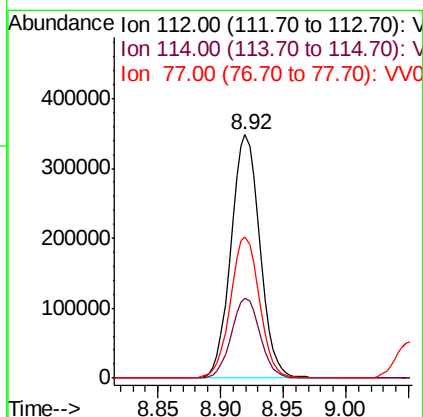
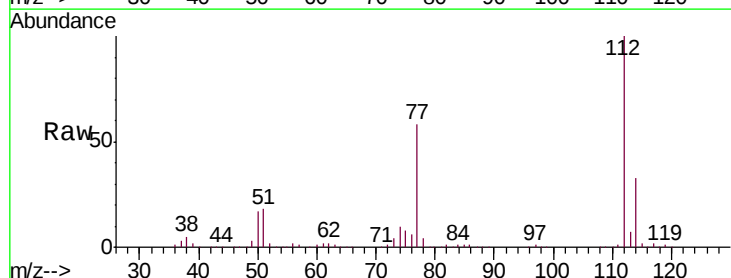
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

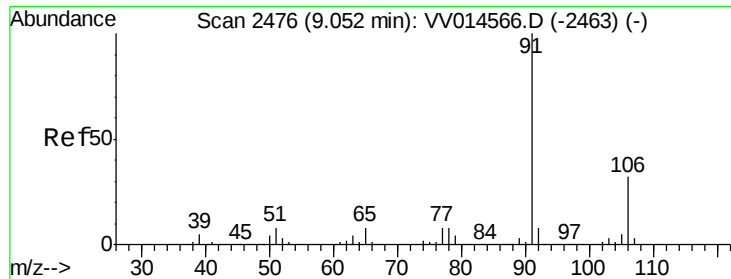
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.1	122.8
188	3.9	3.0	4.6



#51
Chlorobenzene
Concen: 99.505 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.3	41.3
77	58.2	45.3	67.9

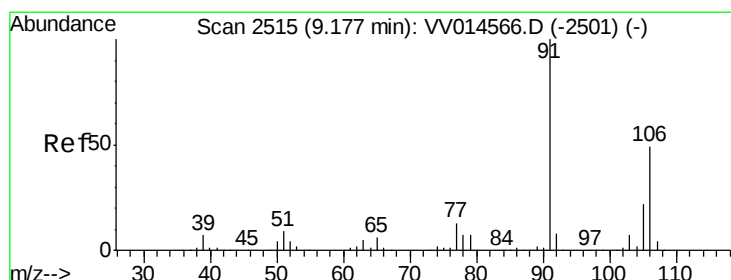
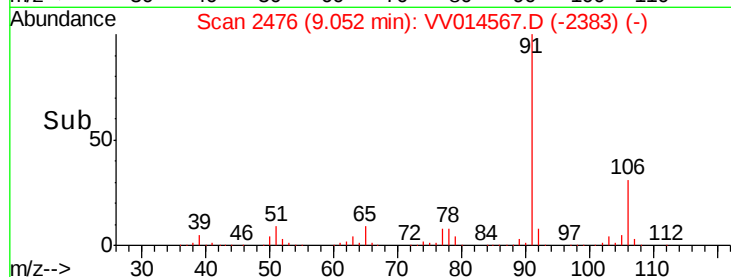
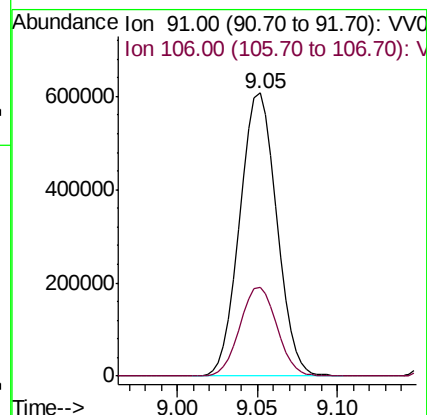
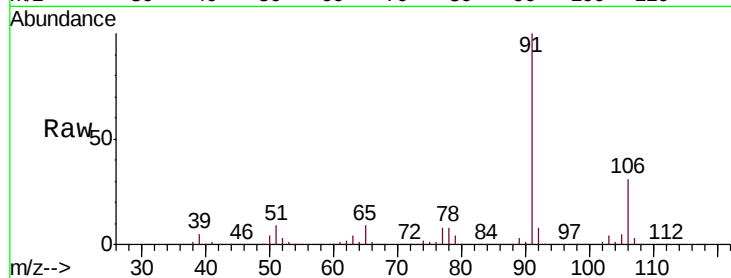




#52
Ethylbenzene
Concen: 97.771 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

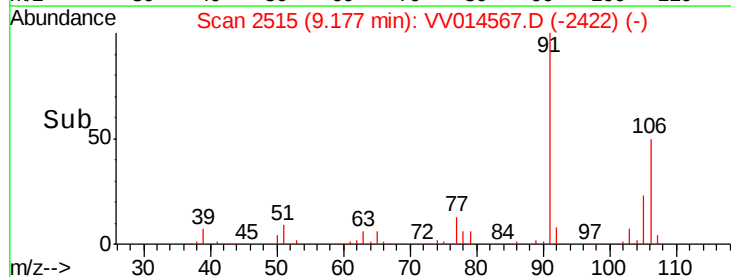
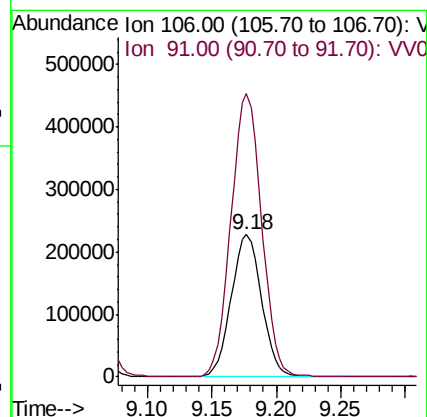
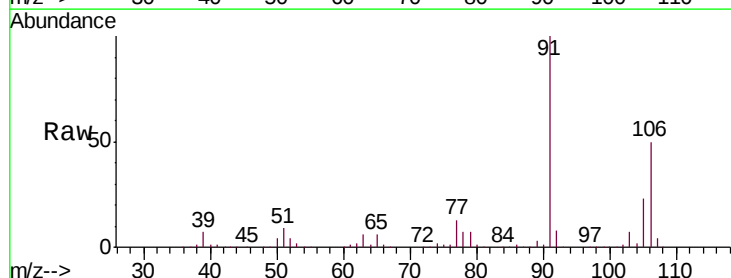
Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

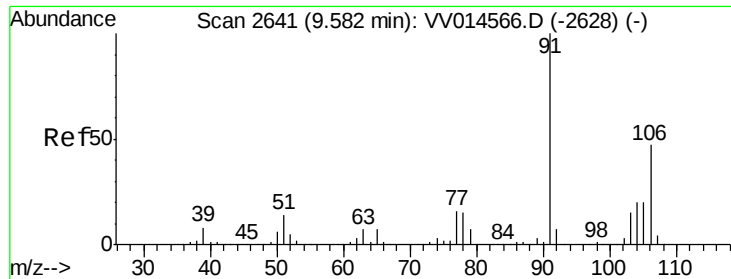
Tgt Ion: 91 Resp: 954197
Ion Ratio Lower Upper
91 100
106 31.5 22.3 41.5



#53
m,p-Xylene
Concen: 101.570 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Tgt Ion: 106 Resp: 370817
Ion Ratio Lower Upper
106 100
91 198.7 142.4 264.4

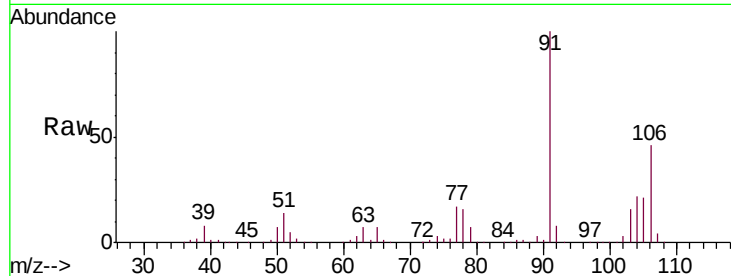




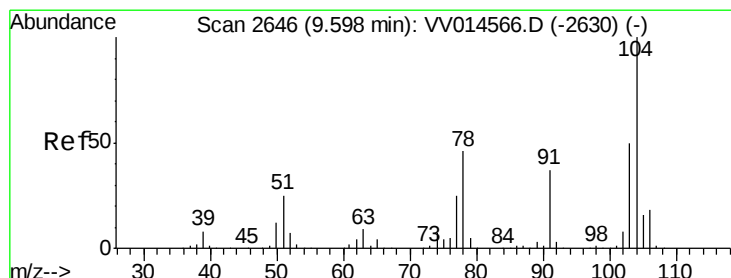
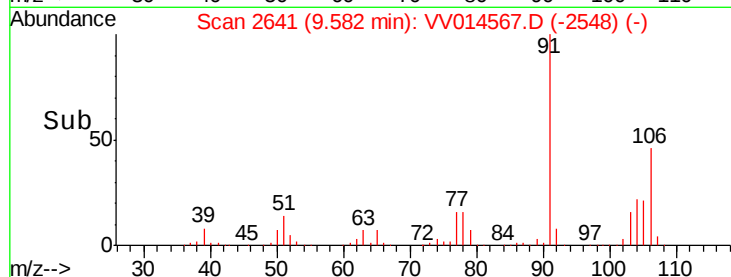
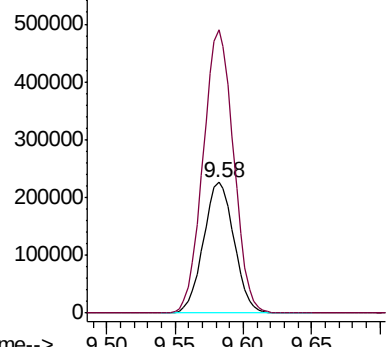
#54
o-xylene
Concen: 97.704 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD10063

Tgt Ion:106 Resp: 352662
Ion Ratio Lower Upper
106 100
91 216.7 150.5 279.5

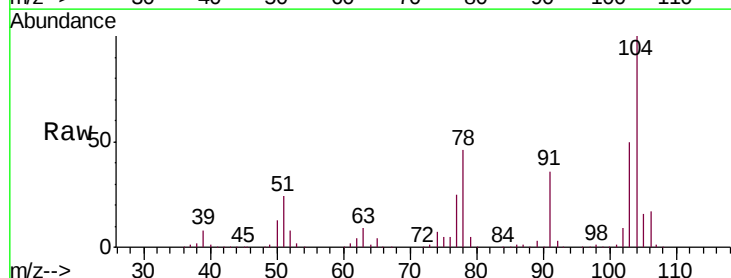


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

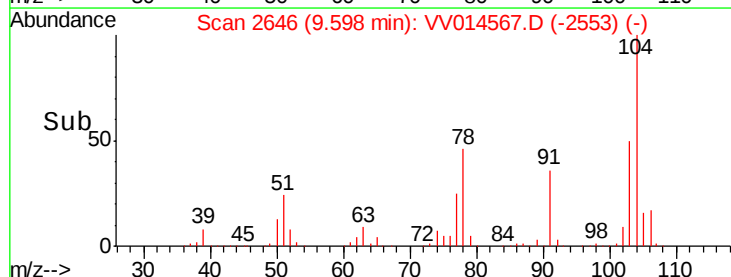
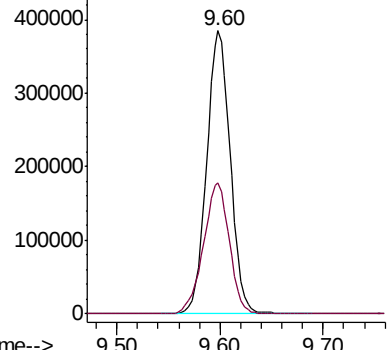


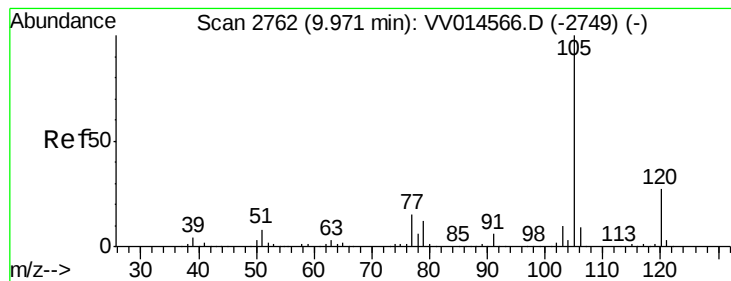
#55
Styrene
Concen: 101.123 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014567.D
Acq: 12 Feb 2020 11:54

Tgt Ion:104 Resp: 614442
Ion Ratio Lower Upper
104 100
78 46.2 31.9 59.2



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





#56

Isopropylbenzene

Concen: 101.381 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

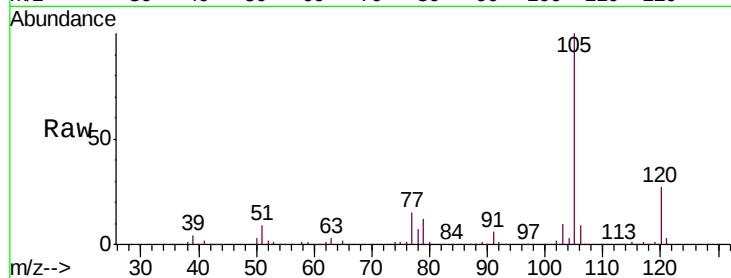
Tgt Ion: 105 Resp: 942383

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

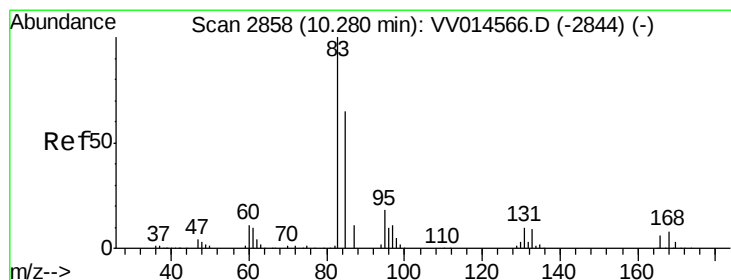
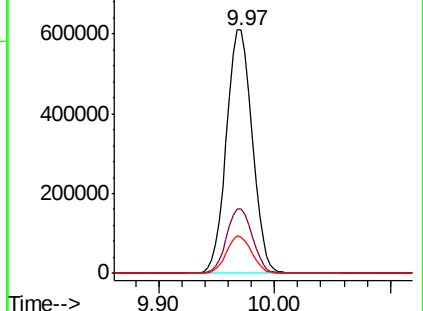
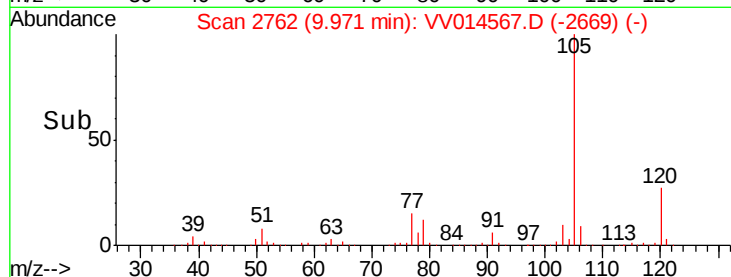
77 15.1 12.2 18.2



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: 98.410 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

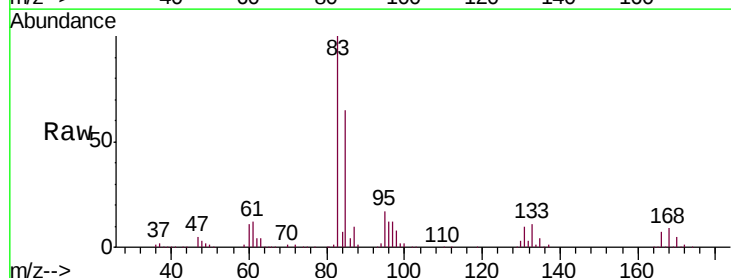
Tgt Ion: 83 Resp: 309969

Ion Ratio Lower Upper

83 100

85 65.2 45.7 84.9

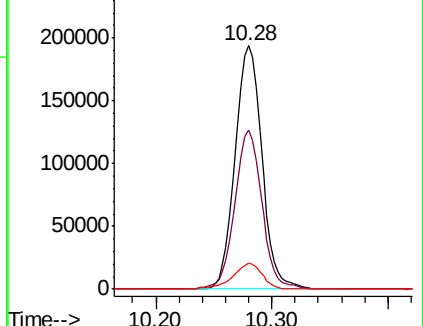
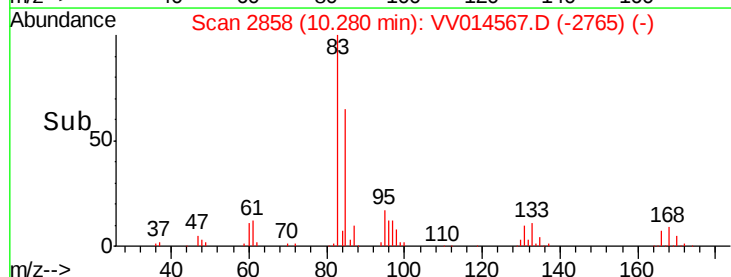
131 10.5 8.2 12.4

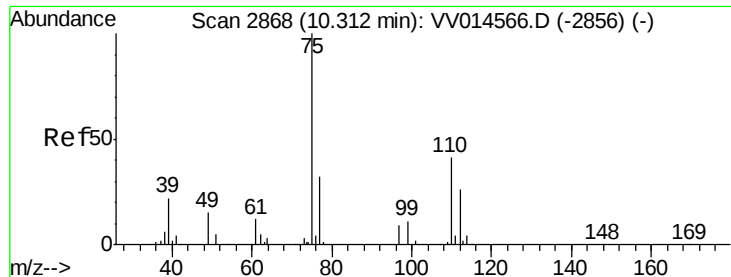


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 99.807 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

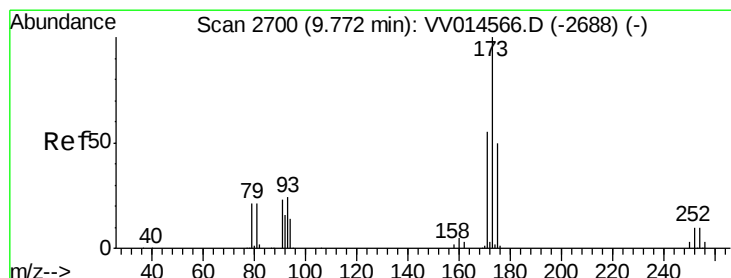
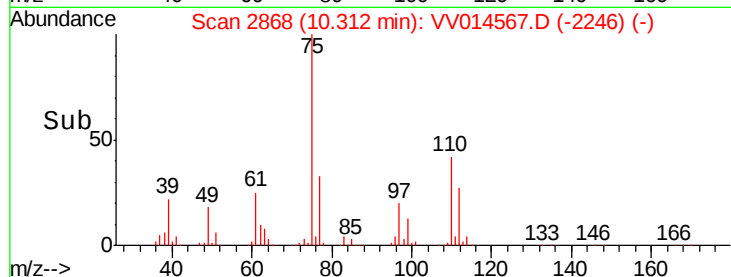
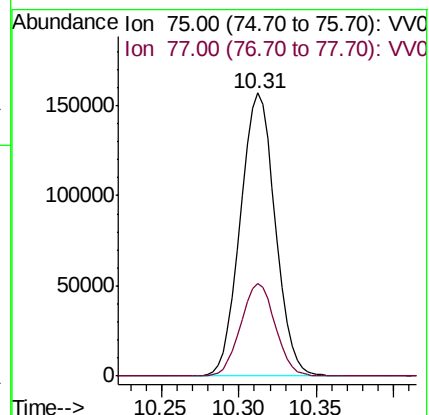
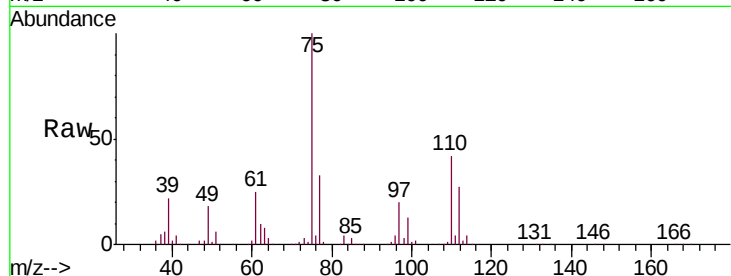
VSTD10063

Tgt Ion: 75 Resp: 245993

Ion Ratio Lower Upper

75 100

77 32.5 25.9 38.9



#61

Bromoform

Concen: 110.700 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

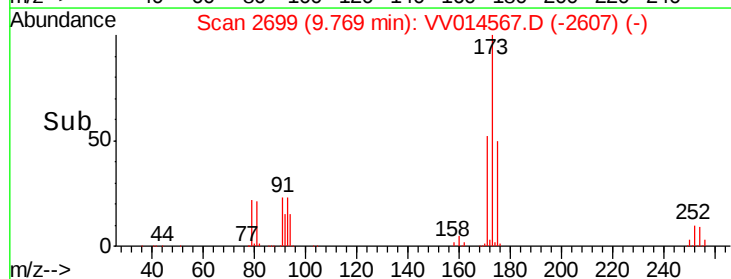
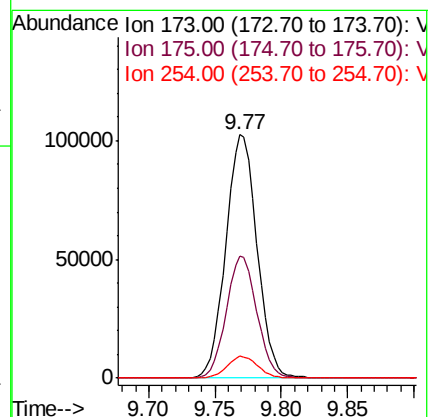
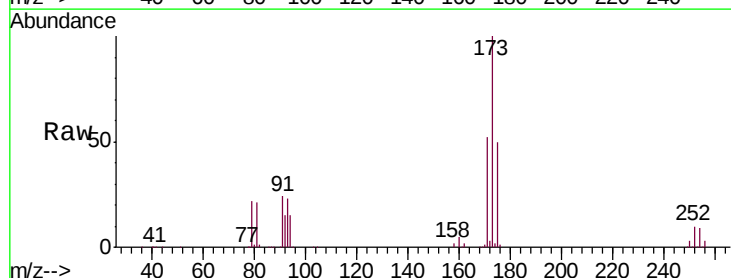
Tgt Ion: 173 Resp: 167908

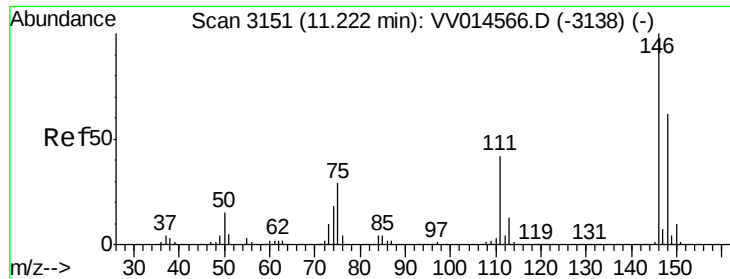
Ion Ratio Lower Upper

173 100

175 48.9 39.3 58.9

254 8.7 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 100.455 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

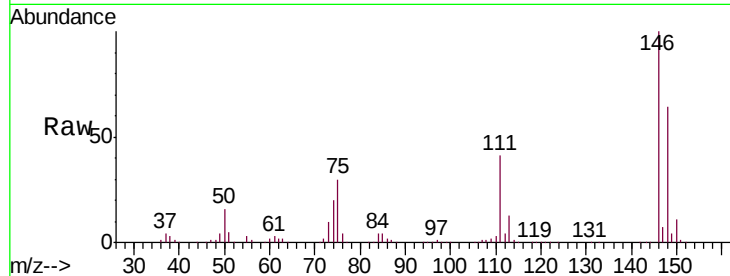
Tgt Ion:146 Resp: 445170

Ion Ratio Lower Upper

146 100

111 41.3 29.4 54.6

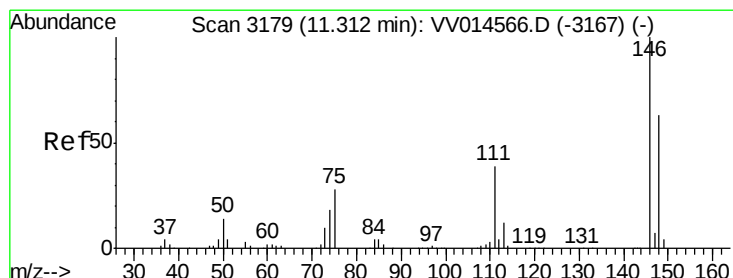
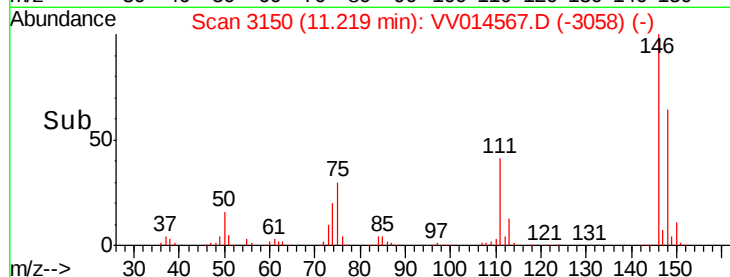
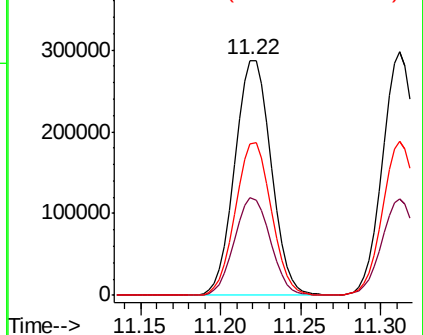
148 64.5 43.6 81.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 98.640 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

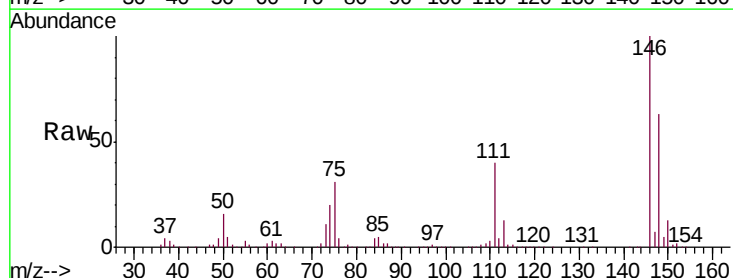
Tgt Ion:146 Resp: 450740

Ion Ratio Lower Upper

146 100

111 39.8 27.7 51.5

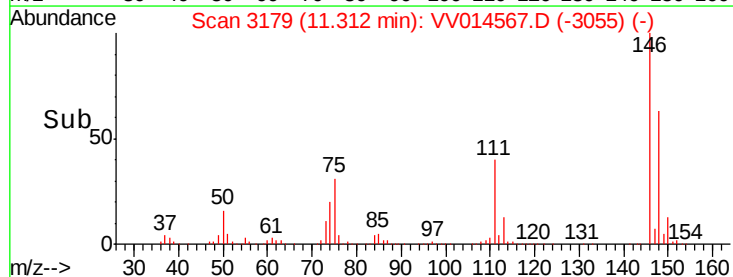
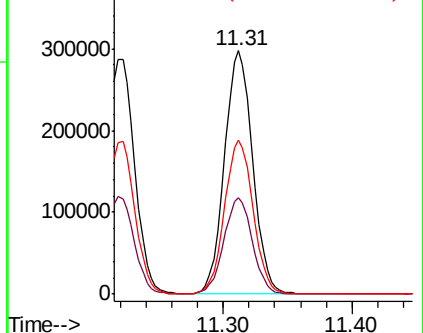
148 63.2 44.1 81.9

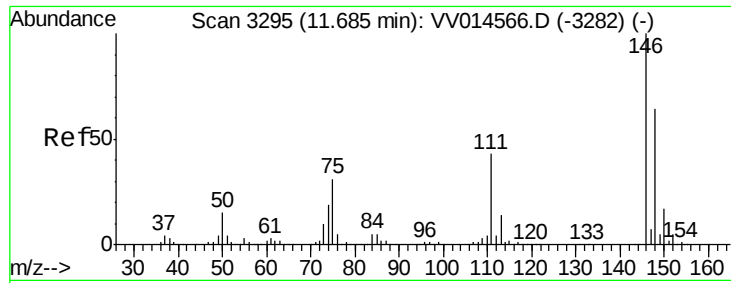


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 100.084 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

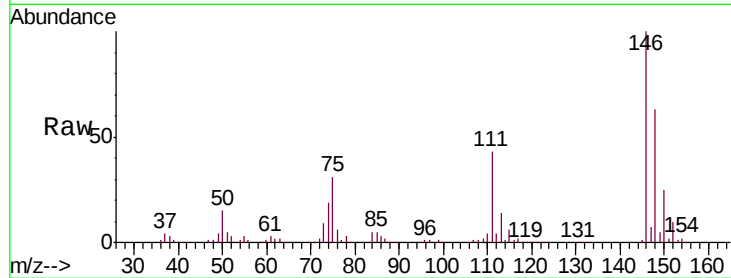
Tgt Ion:146 Resp: 436750

Ion Ratio Lower Upper

146 100

111 42.6 34.6 52.0

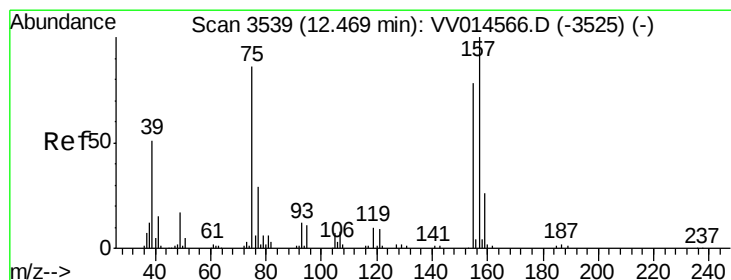
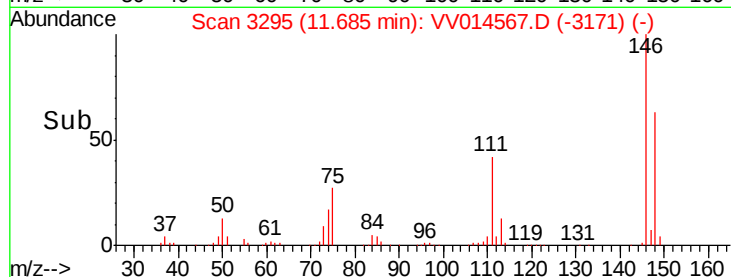
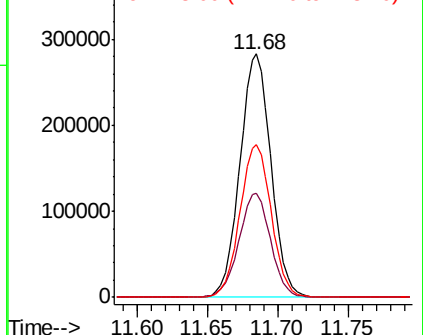
148 62.7 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 105.250 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

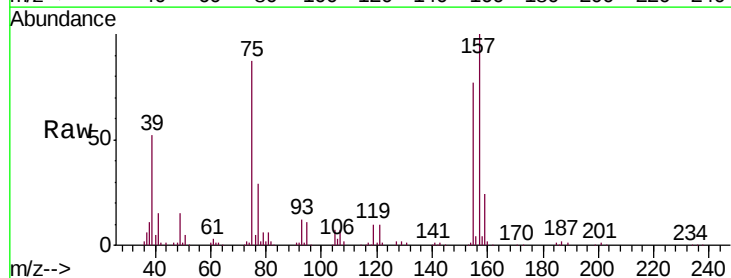
Tgt Ion: 75 Resp: 73510

Ion Ratio Lower Upper

75 100

155 87.6 72.9 109.3

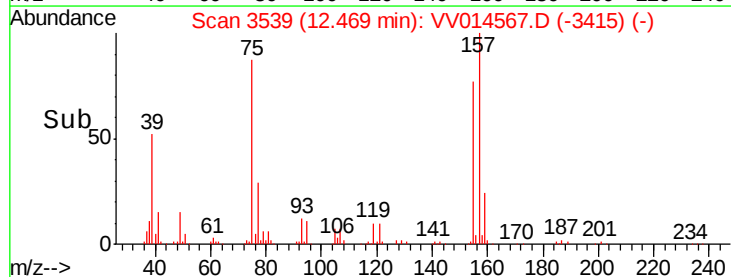
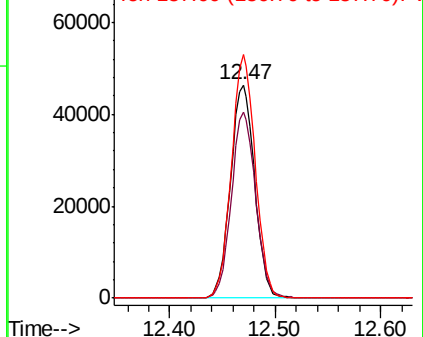
157 114.3 93.0 139.4

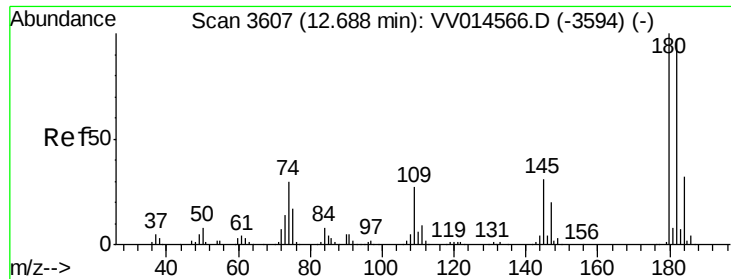


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

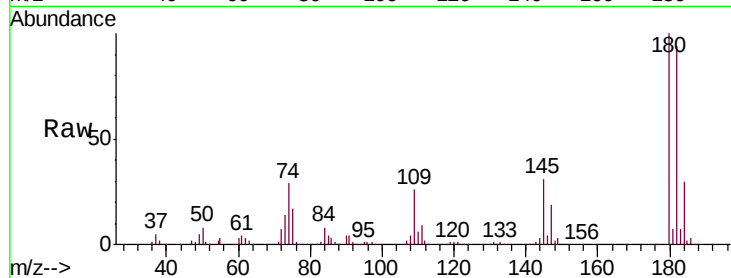




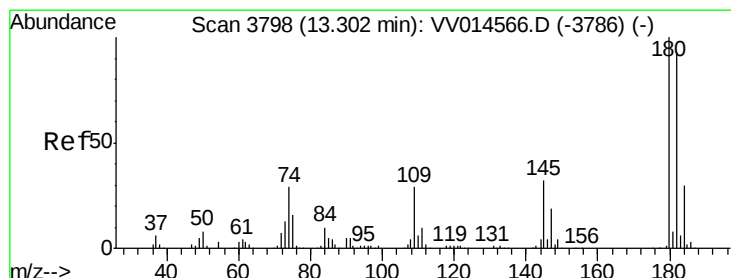
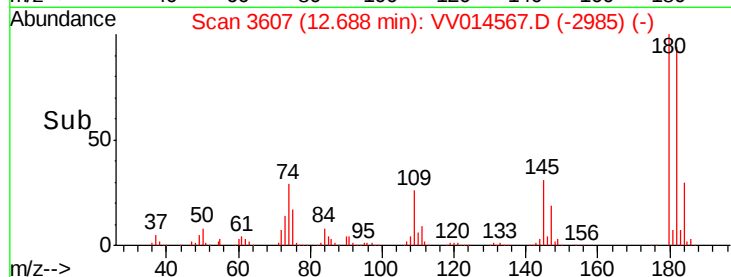
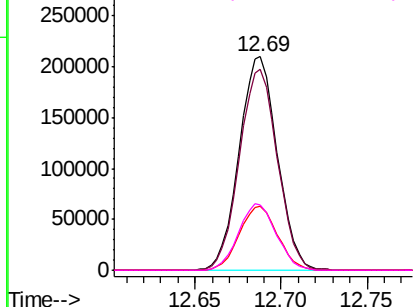
#67
 1,3,5-Trichlorobenzene
 Concen: 107.471 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10063

Tgt Ion:180 Resp: 323523
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.2 115.8
 184 30.1 24.5 36.7
 145 30.9 25.3 37.9

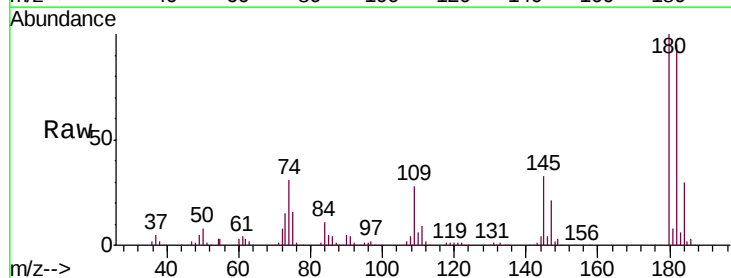


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

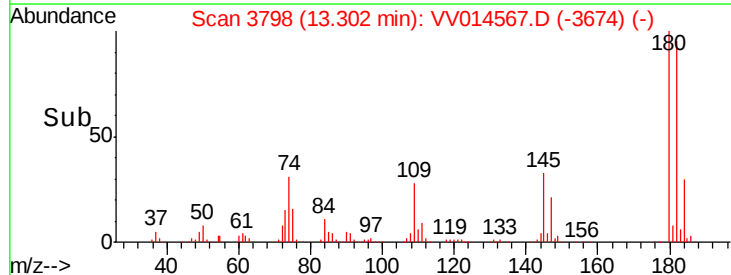
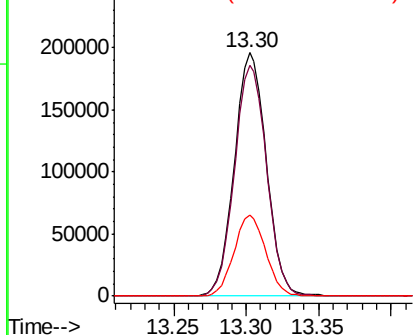


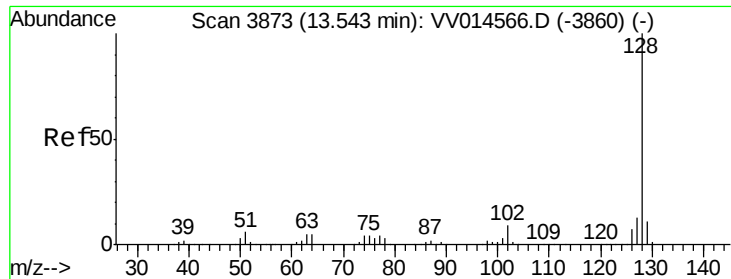
#68
 1,2,4-trichlorobenzene
 Concen: 108.851 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014567.D
 Acq: 12 Feb 2020 11:54

Tgt Ion:180 Resp: 299327
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 145 33.2 25.8 38.6



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





#69

Naphthalene

Concen: 111.543 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD10063

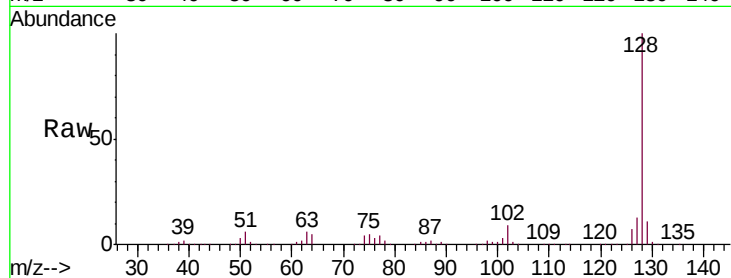
Tgt Ion:128 Resp: 970545

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

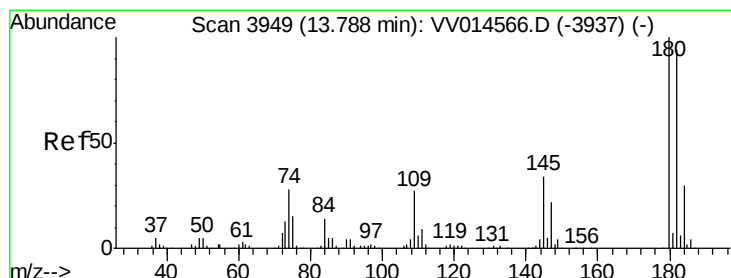
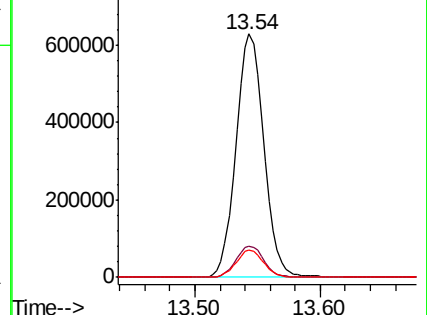
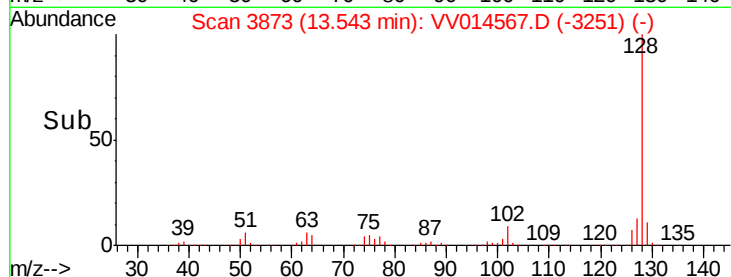
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 111.015 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014567.D

Acq: 12 Feb 2020 11:54

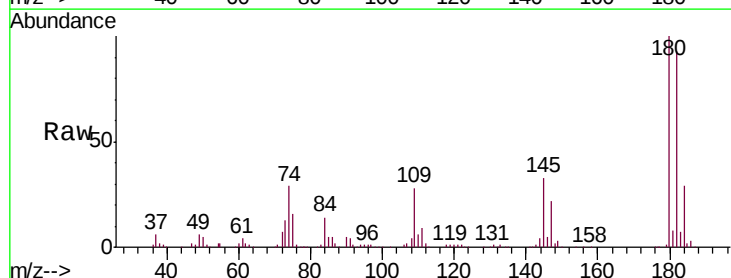
Tgt Ion:180 Resp: 294463

Ion Ratio Lower Upper

180 100

182 94.1 75.2 112.8

145 33.7 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

