

Data File : VV014649.D
Acq On : 21 Feb 2020 12:53
Operator : SY/MD
Sample : VSTD10064
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Quant Time: Feb 21 22:33:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 21 22:29:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	248924	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	231782	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	119298	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99330	104.00	ug/L	0.00
7) Chloroethane-d5	1.58	69	71186	105.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	184912	112.36	ug/L	0.00
21) 2-Butanone-d5	3.93	46	187374	228.71	ug/L	-0.02
24) Chloroform-d	4.40	84	322828	112.12	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	209069	116.08	ug/L	0.00
32) Benzene-d6	5.10	84	635178	111.31	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	185170	108.67	ug/L	0.00
41) Toluene-d8	7.35	98	608928	110.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	106152	113.07	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	152028	220.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	257357	109.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	224754	103.71	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	173618	97.750	ug/L	100
3) Chloromethane	1.25	50	92513	63.620	ug/L	98
5) Vinyl chloride	1.33	62	94302	87.474	ug/L	100
6) Bromomethane	1.53	94	46708	85.068	ug/L	99
8) Chloroethane	1.60	64	49117	90.375	ug/L	96
9) Trichlorofluoromethane	1.77	101	204529	105.159	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	84602	102.112	ug/L	98
12) 1,1-Dichloroethene	2.14	96	74452	97.354	ug/L	99
13) Acetone	2.19	43	151120	210.228	ug/L	99
14) Carbon disulfide	2.32	76	338835	91.931	ug/L	99
15) Methyl Acetate	2.46	43	129689	100.147	ug/L	97
16) Methylene chloride	2.54	84	154067	96.129	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	144581	95.958	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	496824	101.846	ug/L	100
19) 1,1-Dichloroethane	3.23	63	261646	98.817	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	171640	98.335	ug/L	99
22) 2-Butanone	4.01	43	199753	194.119	ug/L	97
23) Bromochloromethane	4.30	128	86097	100.481	ug/L	94
25) Chloroform	4.42	83	309530	104.559	ug/L	99
27) 1,2-Dichloroethane	5.17	62	229241	104.807	ug/L	99
29) Cyclohexane	4.72	56	218566	94.951	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	271219	106.104	ug/L	99
31) Carbon tetrachloride	4.87	117	241531	104.736	ug/L	100
33) Benzene	5.14	78	597613	98.369	ug/L	100
34) Trichloroethene	5.96	95	164995	99.794	ug/L	98
35) Methylcyclohexane	6.17	83	256052	99.230	ug/L	99
37) 1,2-Dichloropropane	6.22	63	147745	98.407	ug/L	99
38) Bromodichloromethane	6.55	83	229040	102.694	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	267219	100.570	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	360773	193.650	ug/L	100

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	654983	98.820	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	248803	103.247	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	156941	100.245	ug/L	99
46) Tetrachloroethene	8.01	164	126222	97.826	ug/L	98
48) 2-Hexanone	8.18	43	285600	194.479	ug/L	99
49) Dibromochloromethane	8.29	129	195303	104.698	ug/L	98
50) 1,2-Dibromoethane	8.39	107	172963	102.064	ug/L	99
51) Chlorobenzene	8.92	112	436688	98.445	ug/L	99
52) Ethylbenzene	9.05	91	749954	99.587	ug/L	99
53) m,p-Xylene	9.18	106	289145	98.084	ug/L	98
54) o-xylene	9.58	106	278680	98.933	ug/L	100
55) Styrene	9.60	104	481030	99.749	ug/L	100
56) Isopropylbenzene	9.97	105	751958	100.236	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	243476	98.825	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	196762	100.636	ug/L	100
61) Bromoform	9.77	173	133336	102.223	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	348278	96.087	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	354152	96.393	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	342035	95.762	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	59988	101.725	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	259347	98.841	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	245017	101.011	ug/L	99
69) Naphthalene	13.54	128	814011	104.782	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	247045	104.647	ug/L	99

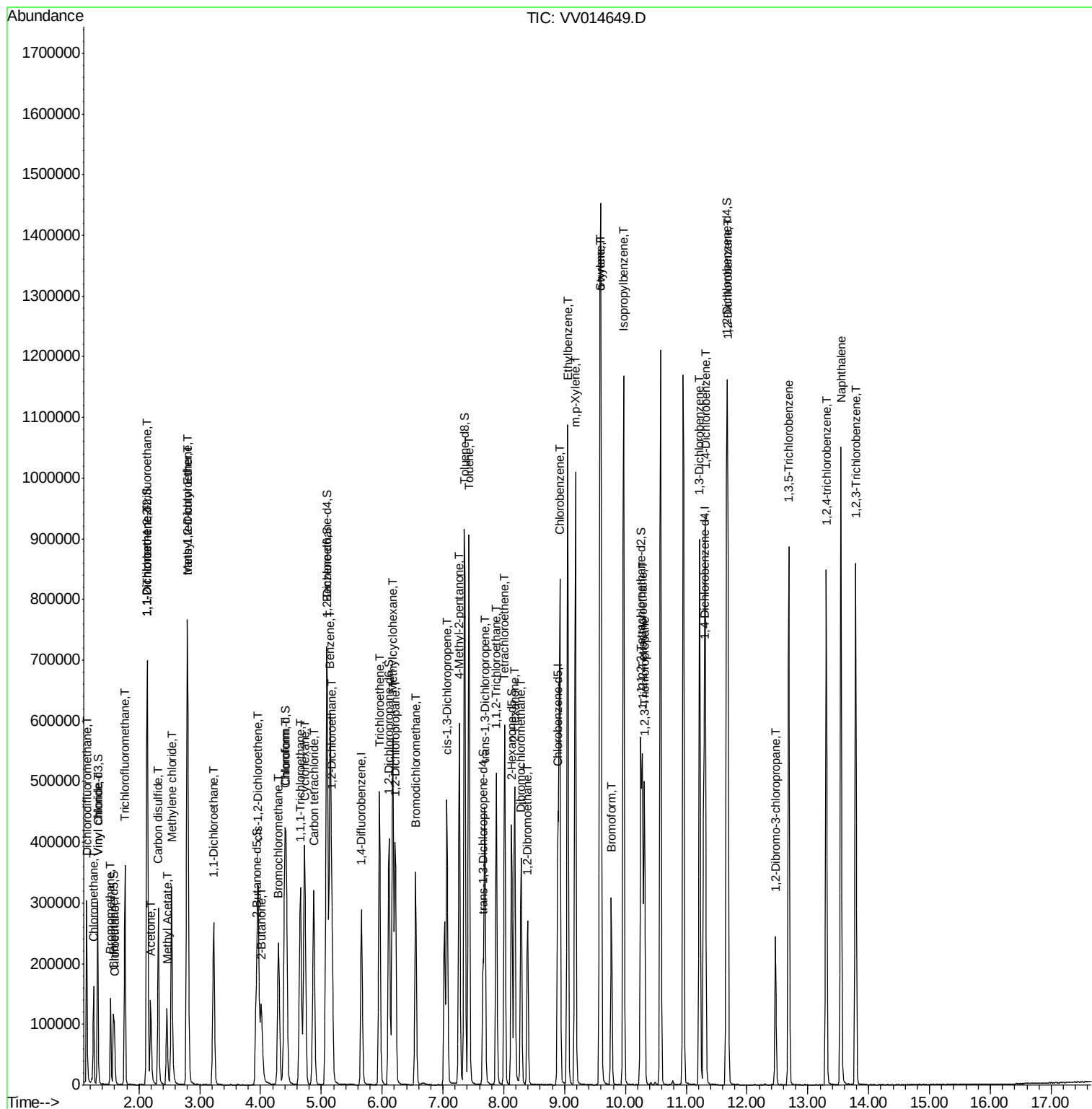
(#) = qualifier out of range (m) = manual integration (+) = signals summed

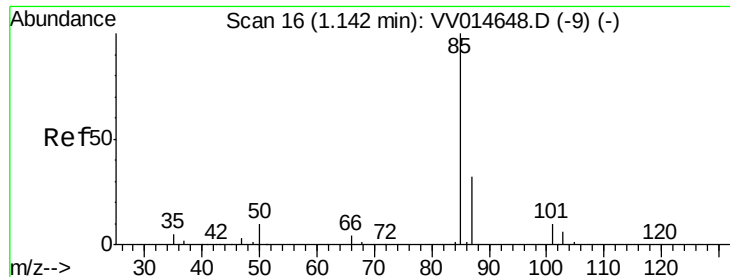
Data File : VV014649.D

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#2

Dichlorodifluoromethane

Concen: 97.750 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

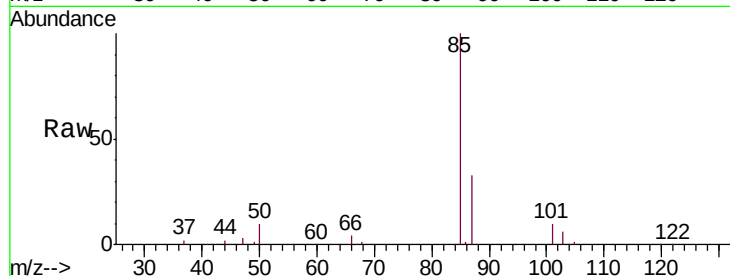
VSTD10064

Tgt Ion: 85 Resp: 173618

Ion Ratio Lower Upper

85 100

87 32.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV014649.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV014649.D (-1) (-)

1.14

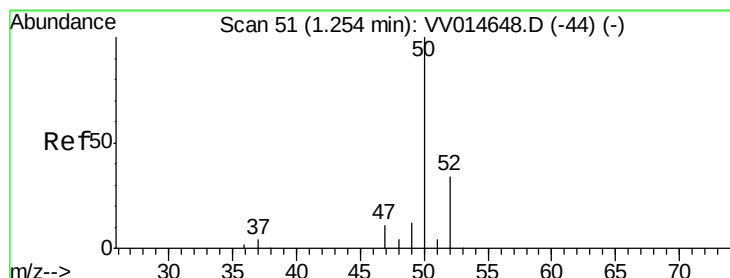
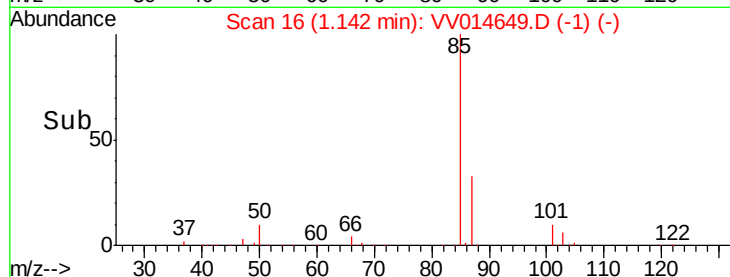
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 63.620 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014649.D

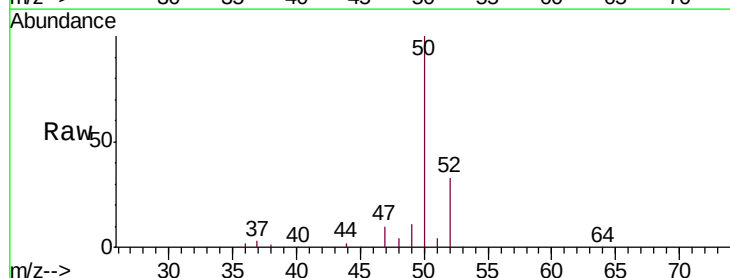
Acq: 21 Feb 2020 12:53

Tgt Ion: 50 Resp: 92513

Ion Ratio Lower Upper

50 100

52 32.7 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV014649.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV014649.D (-1) (-)

1.25

100000

80000

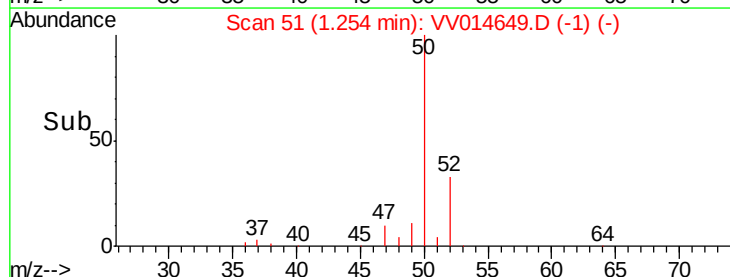
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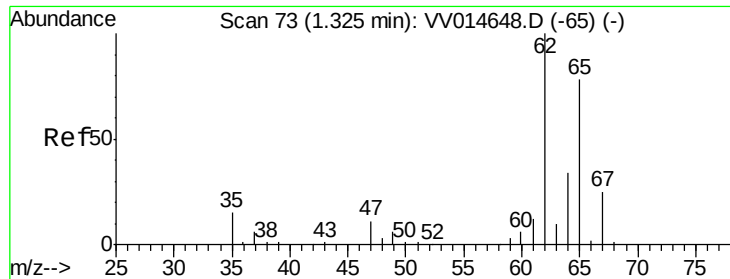
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 87.474 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

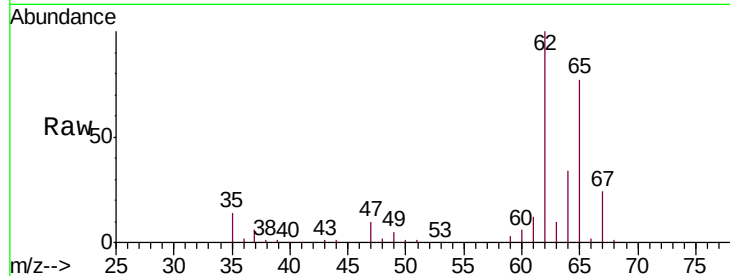
VSTD10064

Tgt Ion: 62 Resp: 94302

Ion Ratio Lower Upper

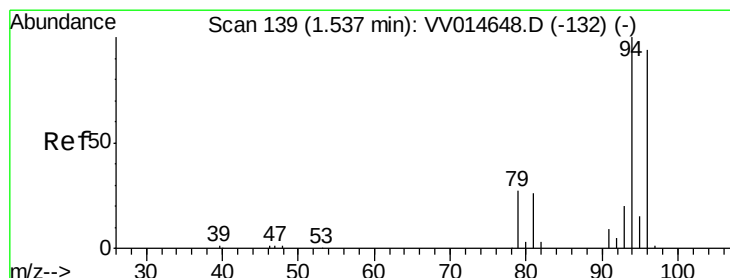
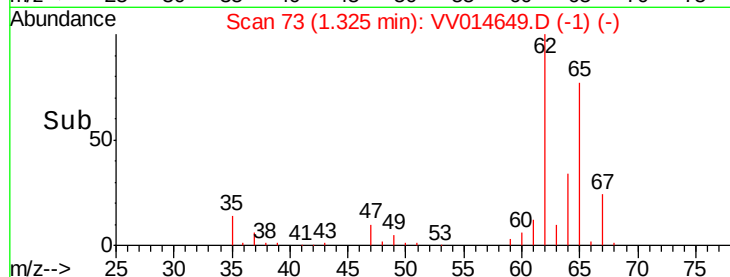
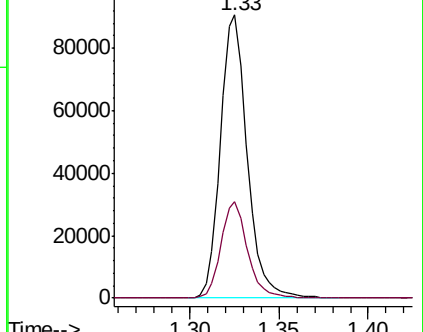
62 100

64 34.0 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 85.068 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014649.D

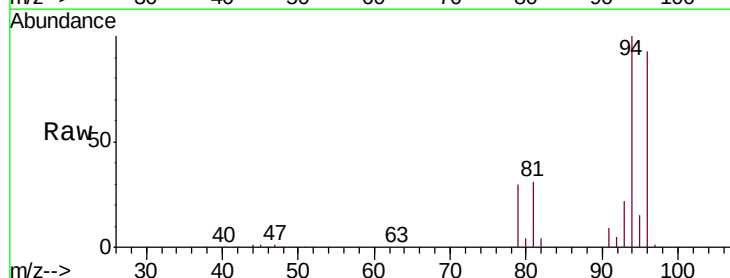
Acq: 21 Feb 2020 12:53

Tgt Ion: 94 Resp: 46708

Ion Ratio Lower Upper

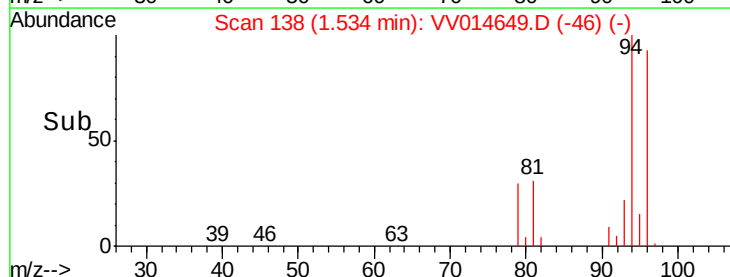
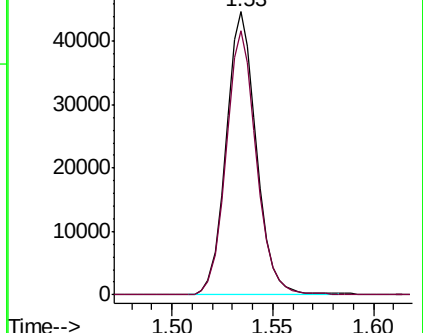
94 100

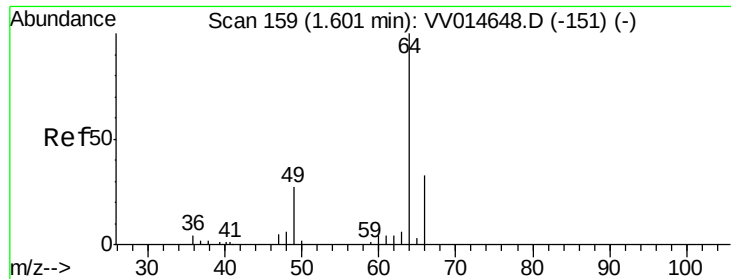
96 93.2 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 90.375 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

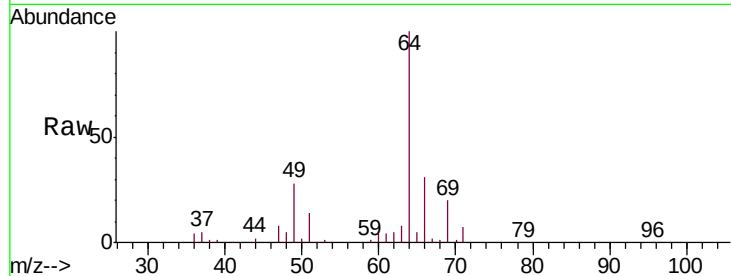
VSTD10064

Tgt Ion: 64 Resp: 49117

Ion Ratio Lower Upper

64 100

66 30.8 23.2 43.2



Abundance Ion 64.00 (63.70 to 64.70): VV014648.D (-151) (-)

Ion 66.00 (65.70 to 66.70): VV014649.D (-35) (-)

1.60

40000

30000

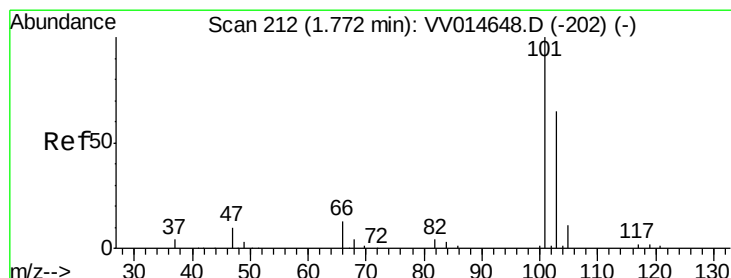
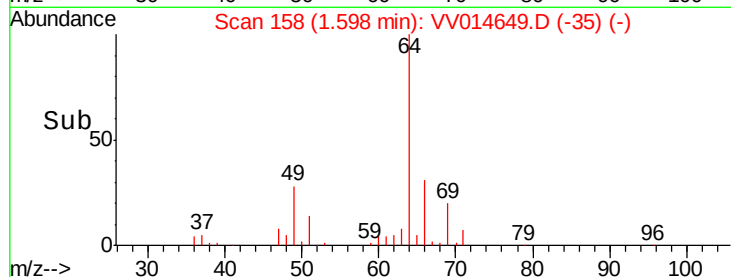
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 105.159 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014649.D

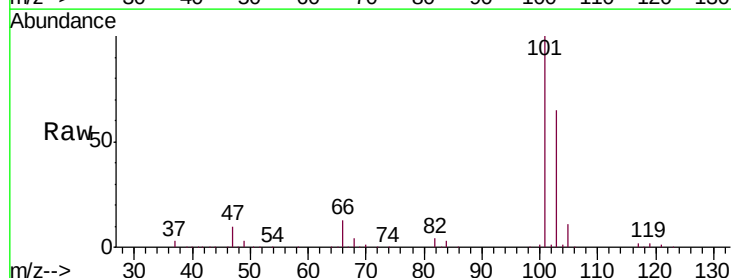
Acq: 21 Feb 2020 12:53

Tgt Ion: 101 Resp: 204529

Ion Ratio Lower Upper

101 100

103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014648.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV014649.D (-88) (-)

1.77

150000

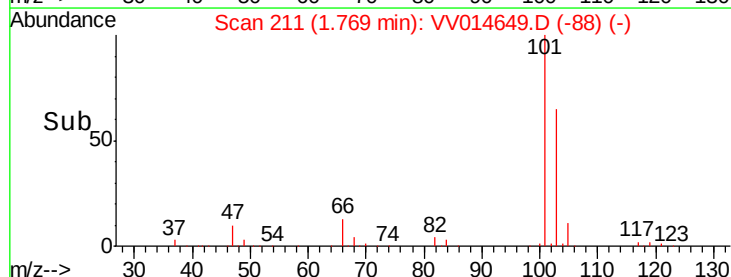
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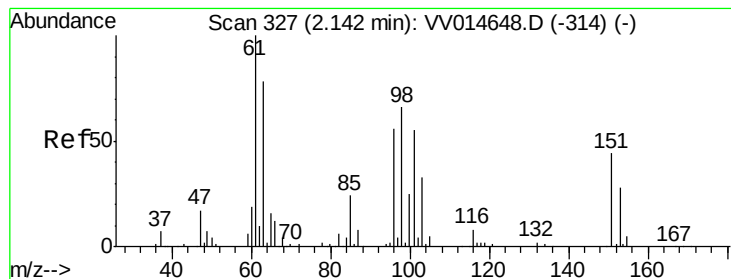
50000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 102.112 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

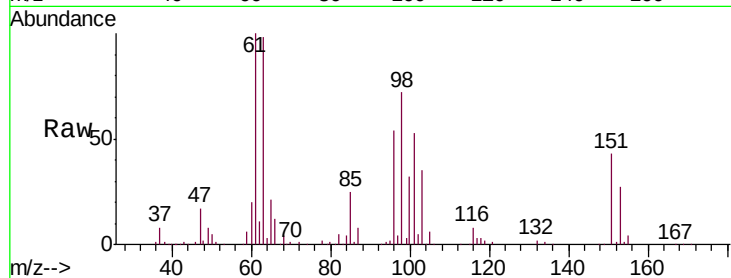
Tgt Ion: 101 Resp: 84602

Ion Ratio Lower Upper

101 100

85 47.4 37.3 55.9

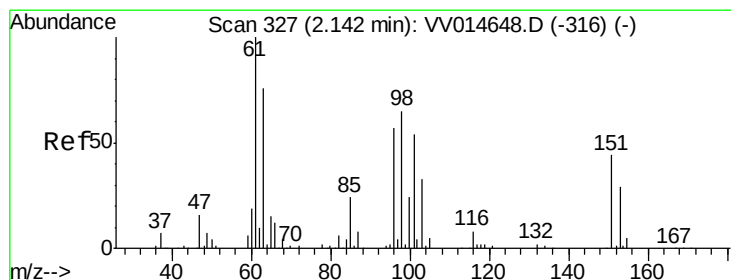
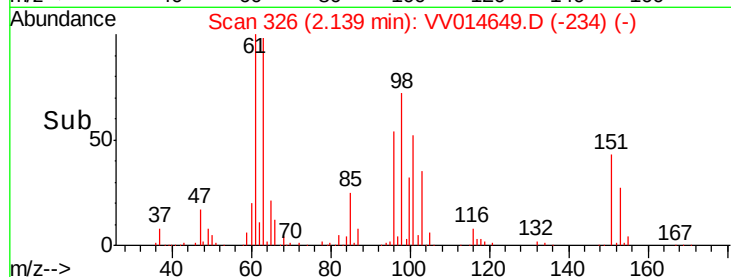
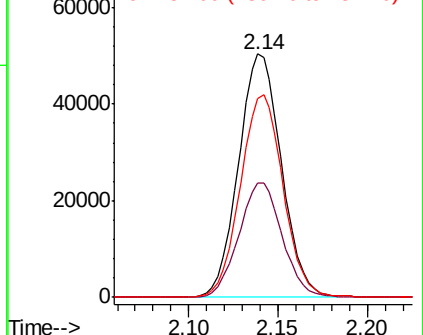
151 83.2 64.6 96.8



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: 97.354 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

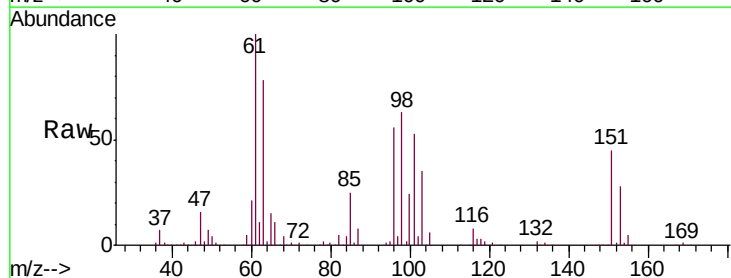
Tgt Ion: 96 Resp: 74452

Ion Ratio Lower Upper

96 100

61 178.6 124.5 231.1

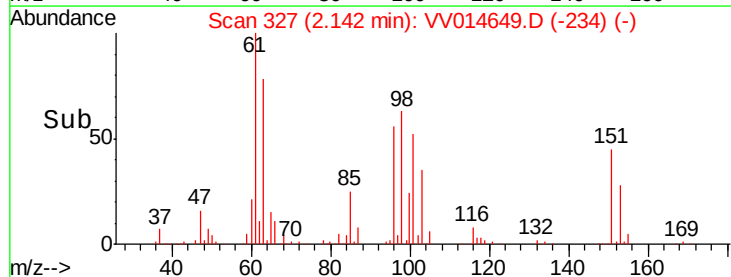
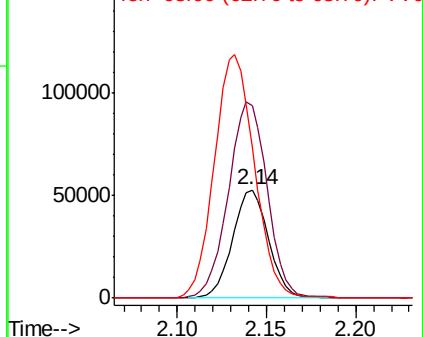
63 139.4 98.1 182.1

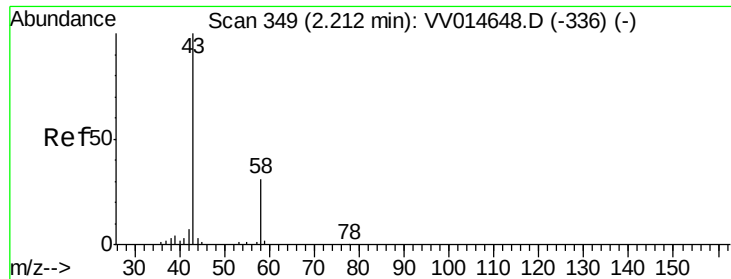


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 210.228 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.02 min

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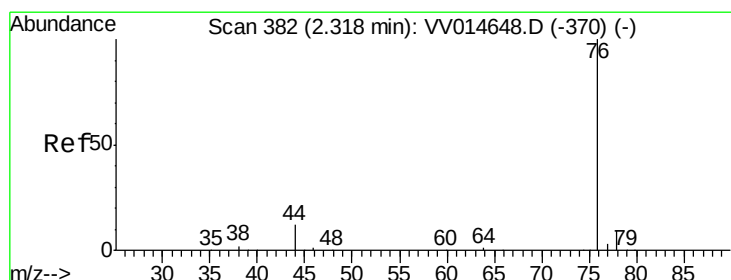
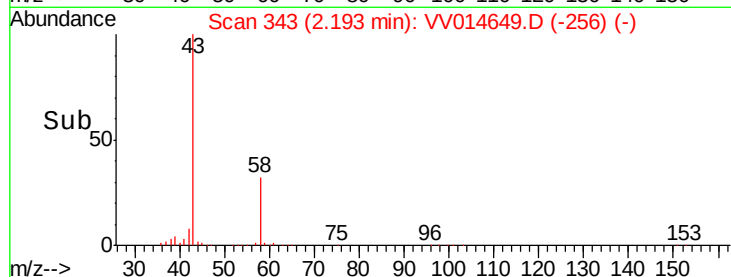
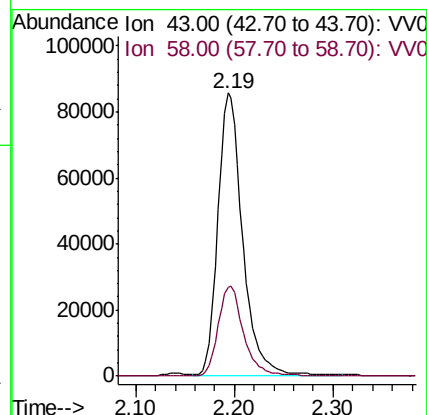
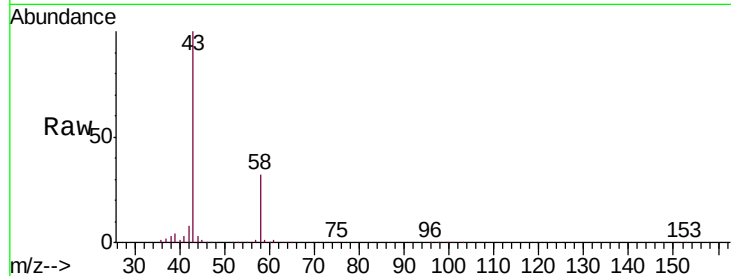
VSTD10064

Tgt Ion: 43 Resp: 151120

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.8



#14

Carbon disulfide

Concen: 91.931 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014649.D

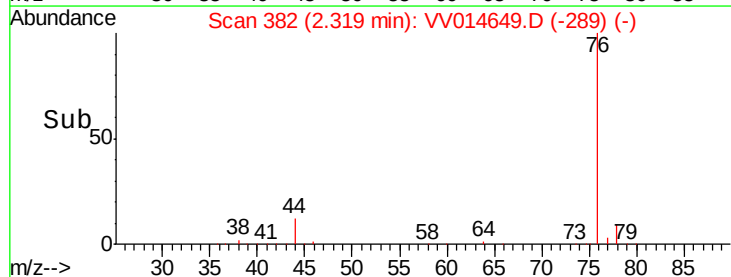
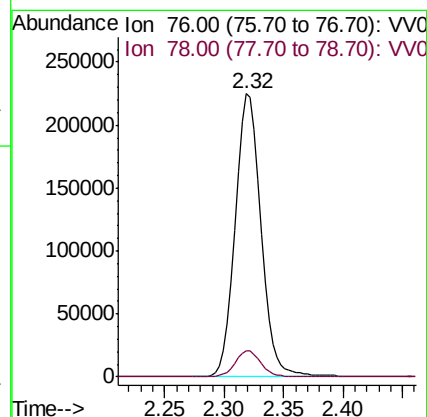
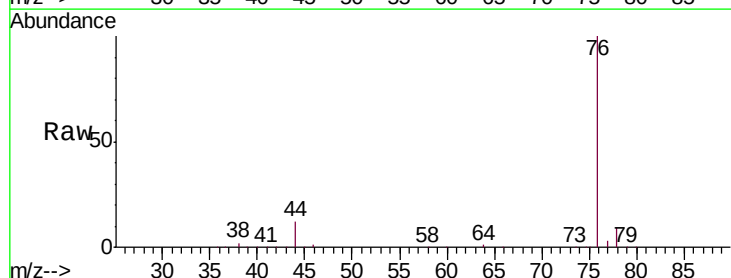
Acq: 21 Feb 2020 12:53

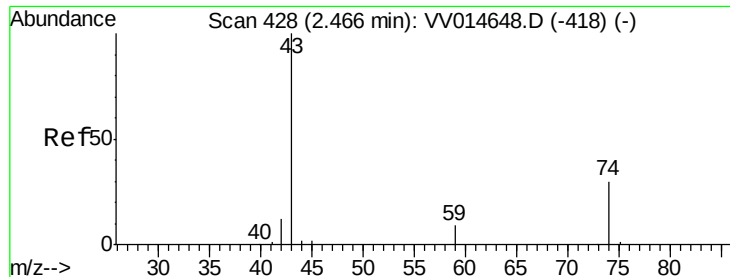
Tgt Ion: 76 Resp: 338835

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#15

Methyl Acetate

Concen: 100.147 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

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ClientSampleId :

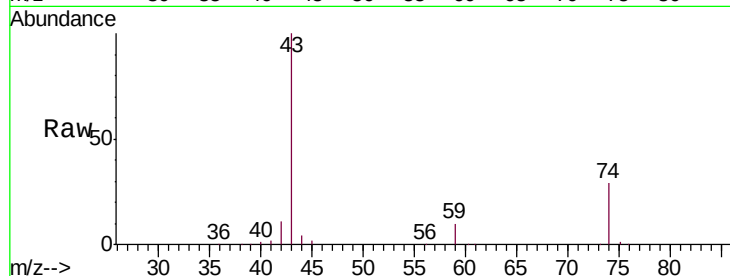
VSTD10064

Tgt Ion: 43 Resp: 129689

Ion Ratio Lower Upper

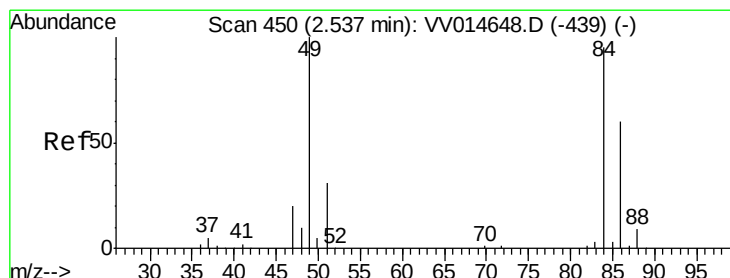
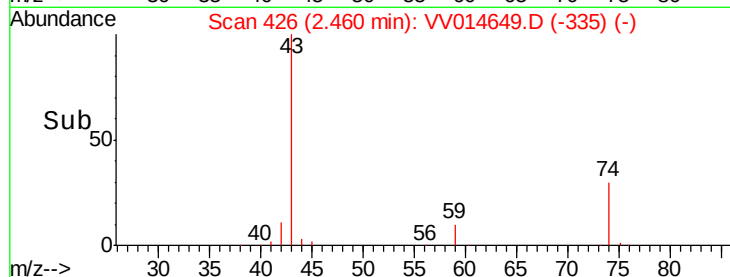
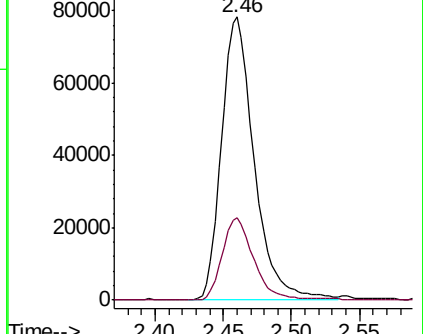
43 100

74 27.9 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 96.129 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

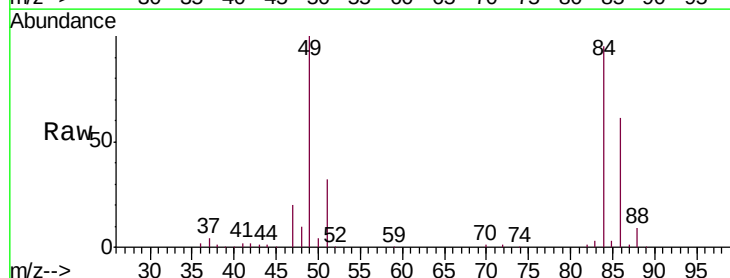
Tgt Ion: 84 Resp: 154067

Ion Ratio Lower Upper

84 100

86 64.4 44.4 82.4

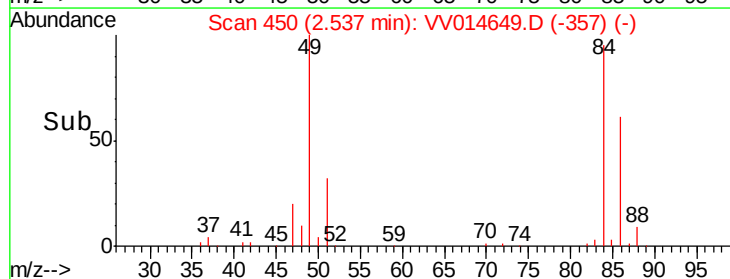
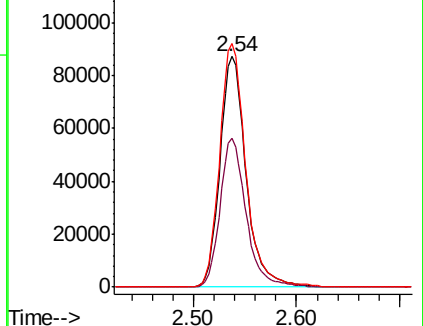
49 105.7 73.6 136.8

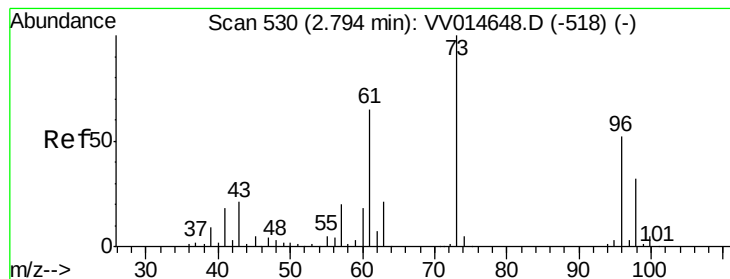


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 95.958 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

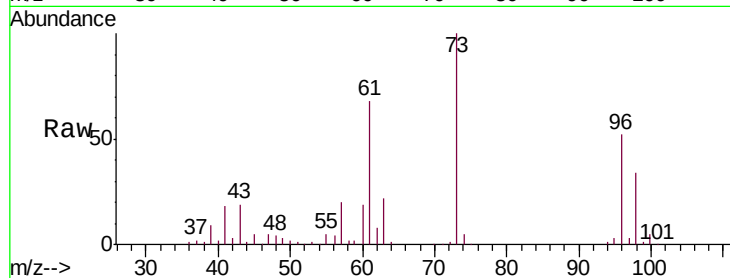
Tgt Ion: 96 Resp: 144581

Ion Ratio Lower Upper

96 100

61 130.8 88.1 163.7

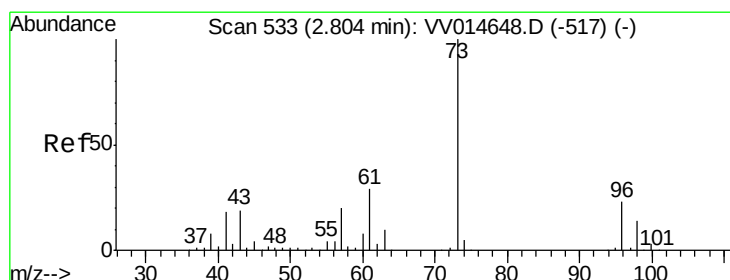
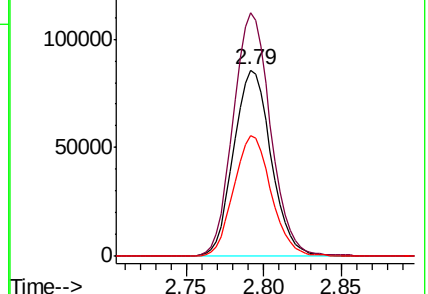
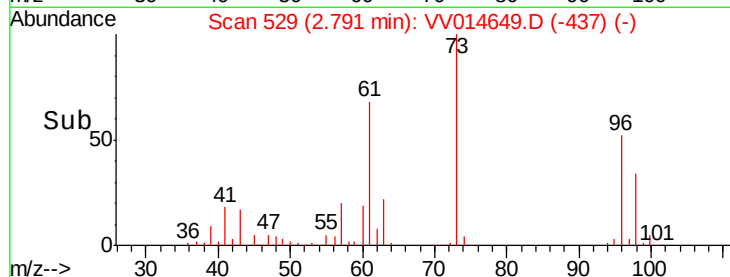
98 64.8 43.7 81.1



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: 101.846 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

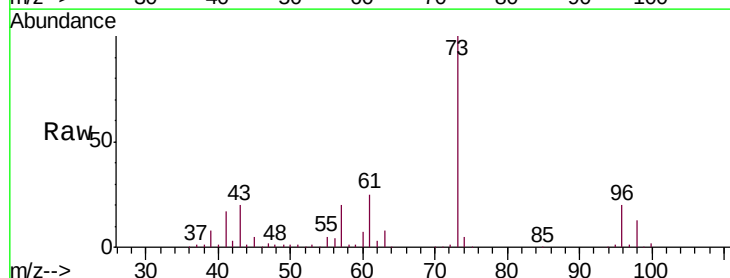
Tgt Ion: 73 Resp: 496824

Ion Ratio Lower Upper

73 100

43 19.1 15.6 23.4

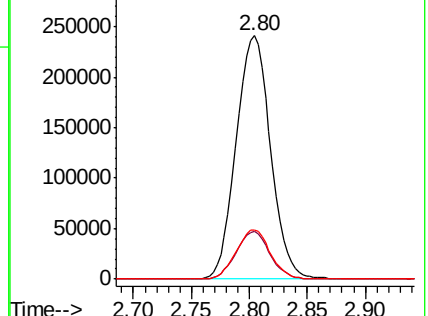
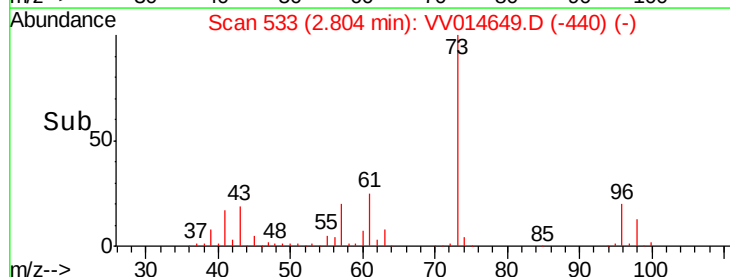
57 20.1 16.1 24.1

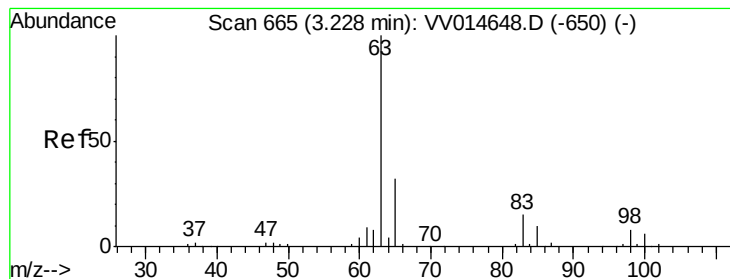


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 98.817 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

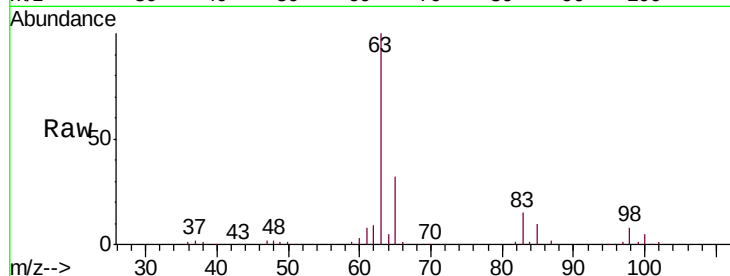
Tgt Ion: 63 Resp: 261646

Ion Ratio Lower Upper

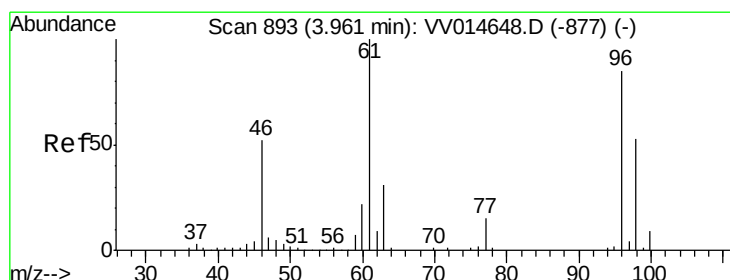
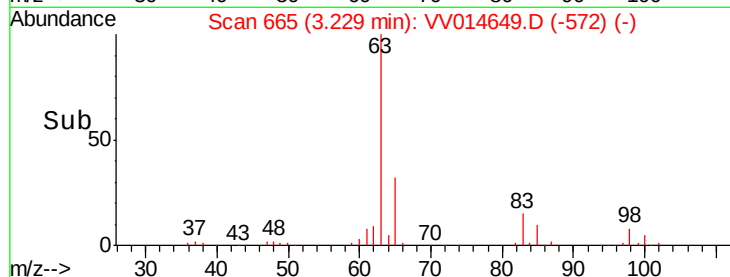
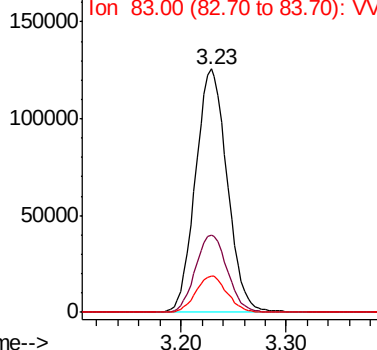
63 100

65 31.9 22.6 42.0

83 15.0 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 98.335 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

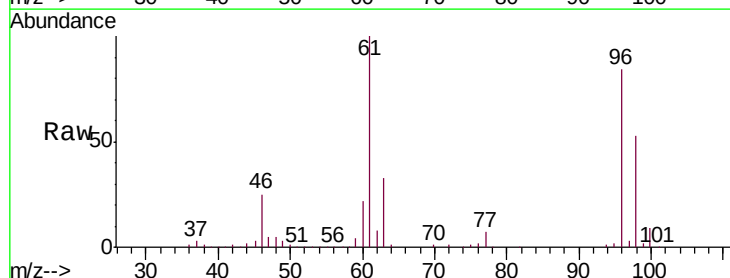
Tgt Ion: 96 Resp: 171640

Ion Ratio Lower Upper

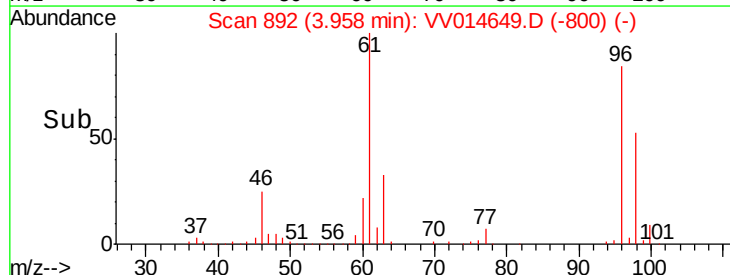
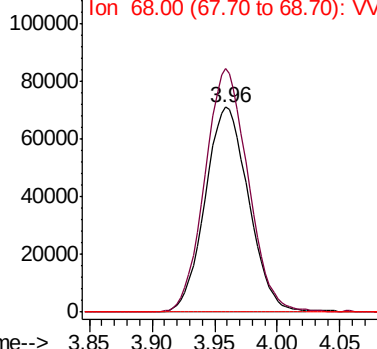
96 100

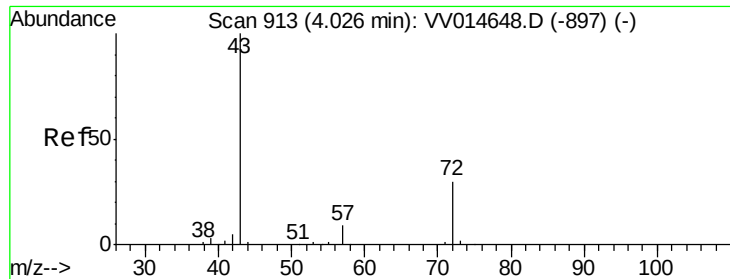
61 118.9 82.4 153.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 194.119 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.02 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

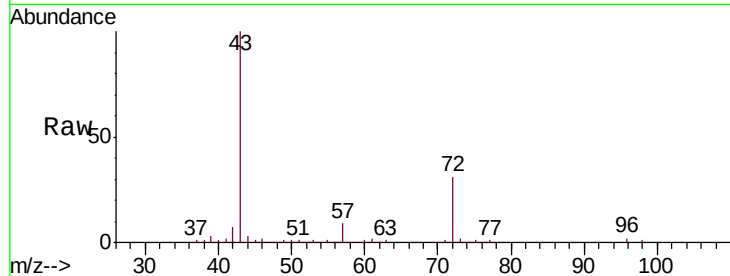
VSTD10064

Tgt Ion: 43 Resp: 199753

Ion Ratio Lower Upper

43 100

72 29.7 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VV014648.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV014648.D (-897) (-)

80000

60000

40000

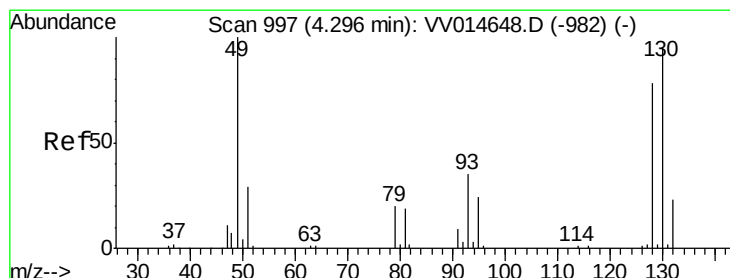
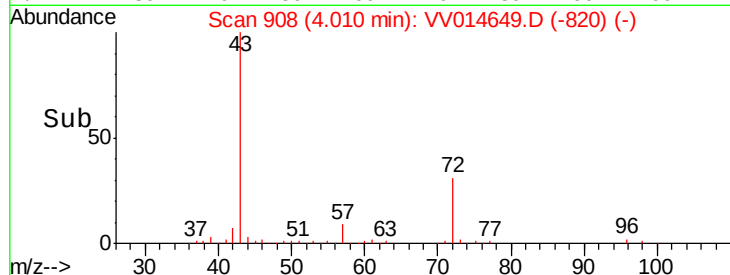
20000

0

Time-->

3.90 4.00 4.10

4.01



#23

Bromochloromethane

Concen: 100.481 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Tgt Ion: 128 Resp: 86097

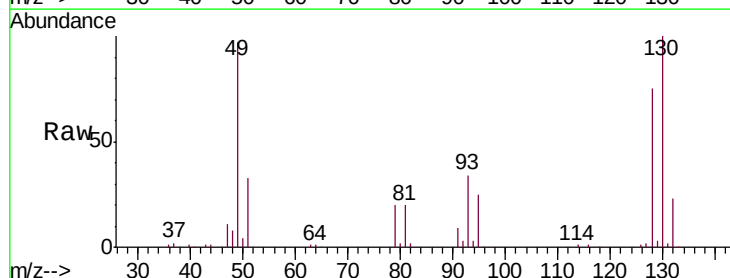
Ion Ratio Lower Upper

128 100

49 129.0 89.7 166.5

130 132.7 85.0 158.0

51 44.1 30.0 45.0



Abundance Ion 128.00 (127.70 to 128.70): VV014649.D (-904) (-)

Ion 49.00 (48.70 to 49.70): VV014649.D (-904) (-)

Ion 130.00 (129.70 to 130.70): VV014649.D (-904) (-)

Ion 51.00 (50.70 to 51.70): VV014649.D (-904) (-)

60000

40000

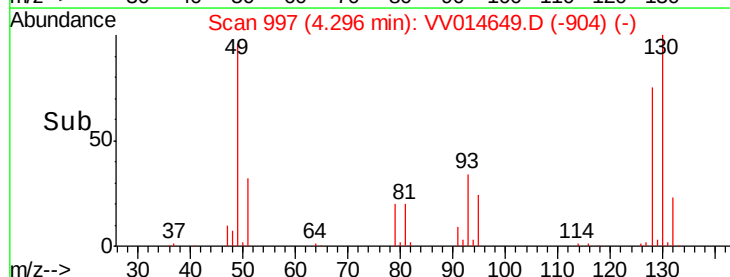
20000

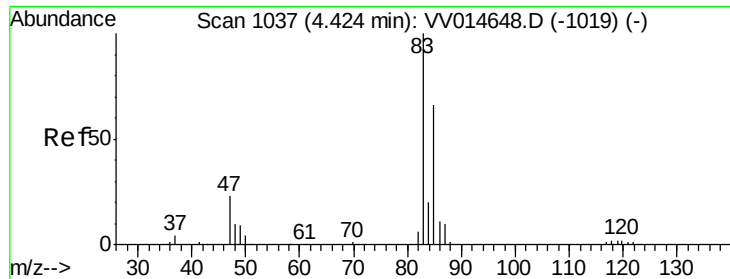
0

Time-->

4.20 4.25 4.30 4.35 4.40

4.30





#25

Chloroform

Concen: 104.559 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

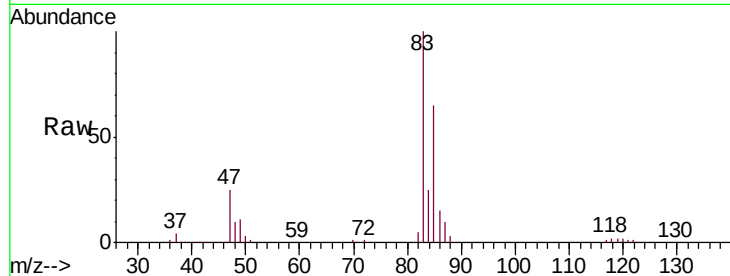
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 83 Resp: 309530

Ion Ratio Lower Upper

83 100

85 64.8 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV014649.D (-944) (-)

Ion 85.00 (84.70 to 85.70): VV014649.D (-944) (-)

150000

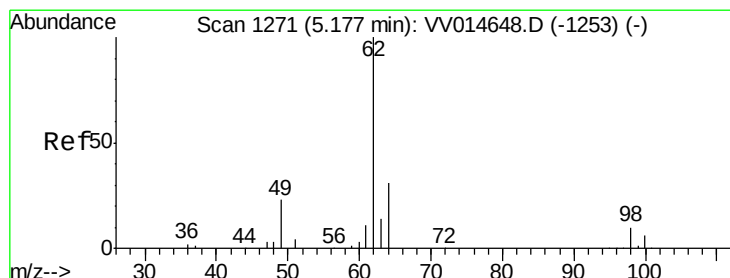
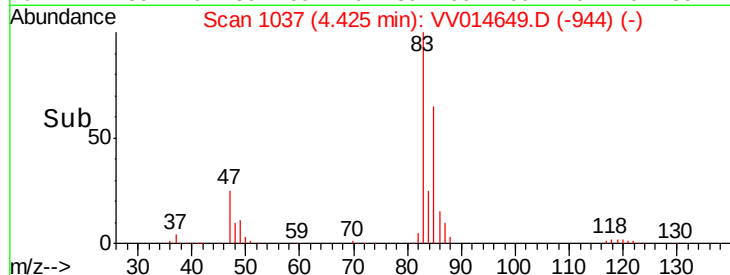
100000

50000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 104.807 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV014649.D

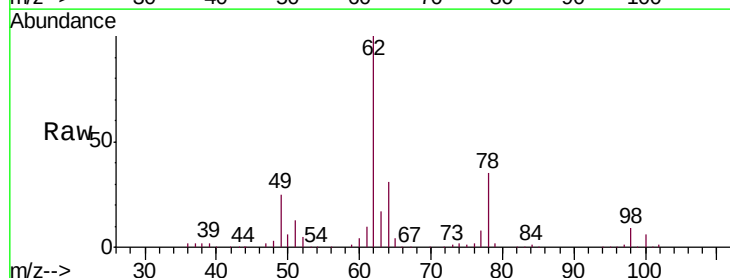
Acq: 21 Feb 2020 12:53

Tgt Ion: 62 Resp: 229241

Ion Ratio Lower Upper

62 100

98 9.4 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VV014649.D (-1178) (-)

Ion 98.00 (97.70 to 98.70): VV014649.D (-1178) (-)

120000

100000

80000

60000

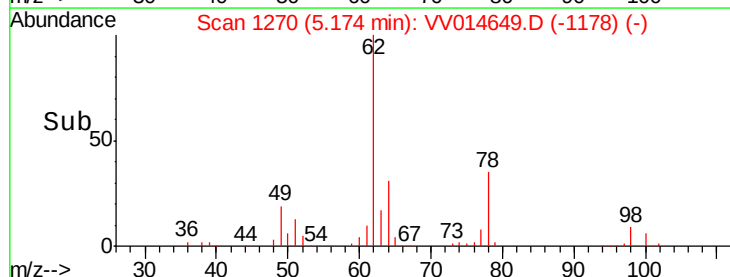
40000

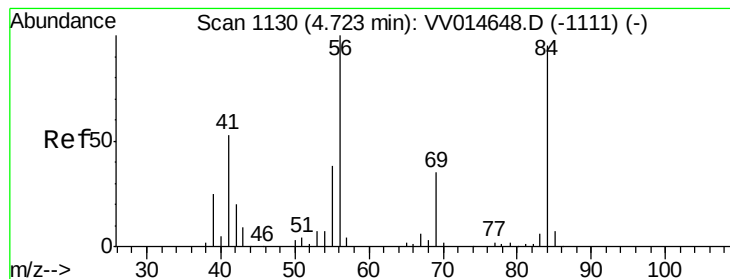
20000

0

5.10 5.20 5.30

Time-->





#29

Cyclohexane

Concen: 94.951 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

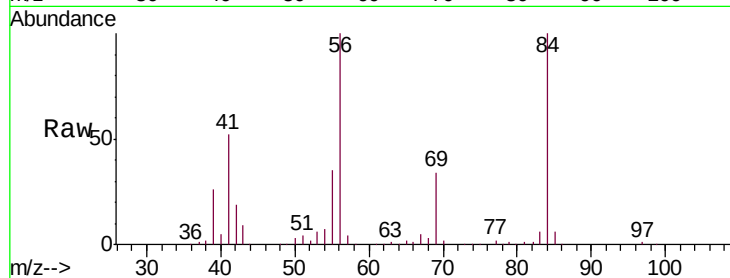
Tgt Ion: 56 Resp: 218566

Ion Ratio Lower Upper

56 100

69 33.8 26.9 40.3

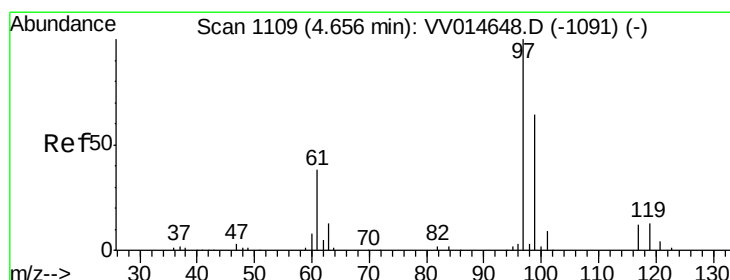
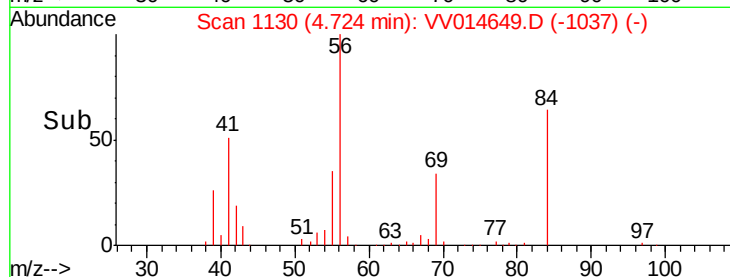
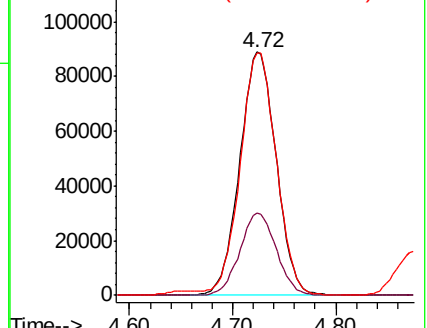
84 98.1 78.2 117.2



Abundance Ion 56.00 (55.70 to 56.70): VV014648.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV014648.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV014648.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 106.104 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

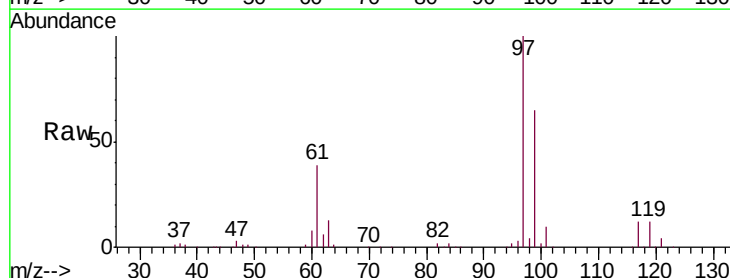
Tgt Ion: 97 Resp: 271219

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

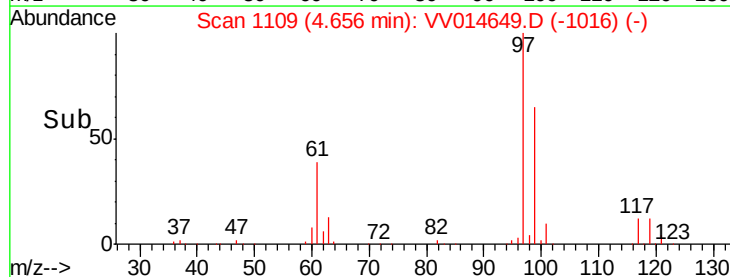
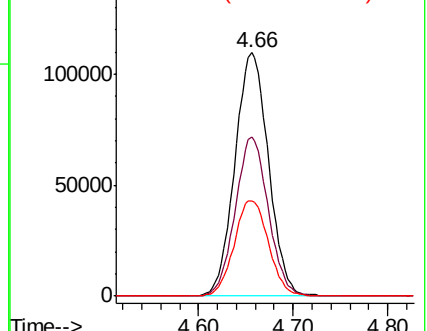
61 40.0 31.4 47.0

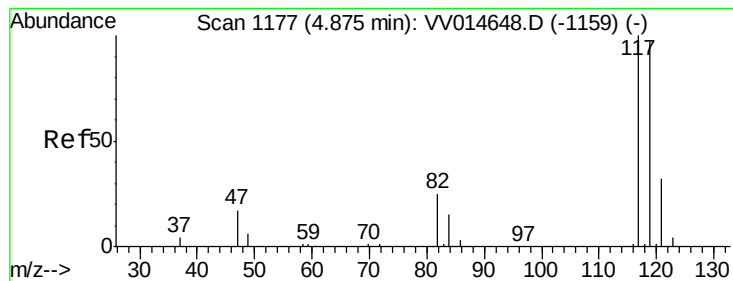


Abundance Ion 97.00 (96.70 to 97.70): VV014648.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV014648.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV014648.D (-1091) (-)





#31

Carbon tetrachloride

Concen: 104.736 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

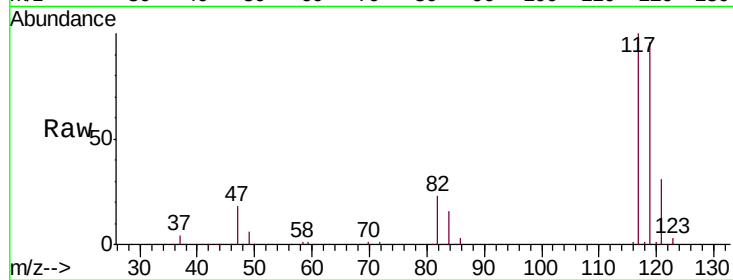
VSTD10064

Tgt Ion:117 Resp: 241531

Ion Ratio Lower Upper

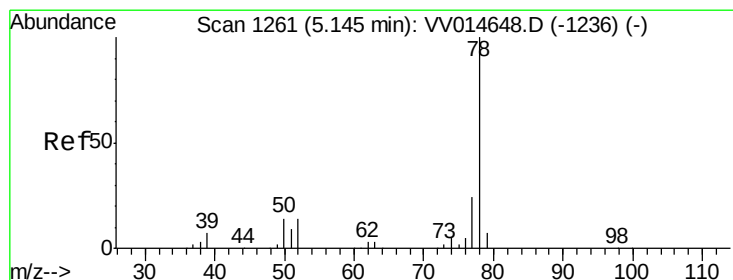
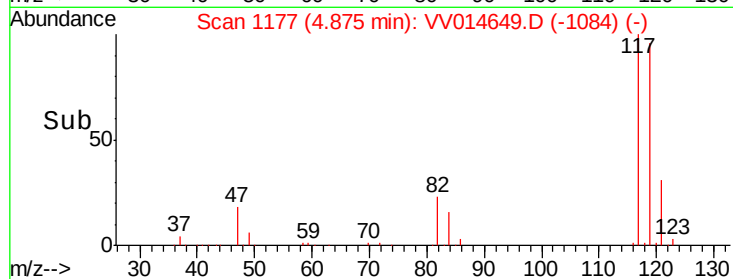
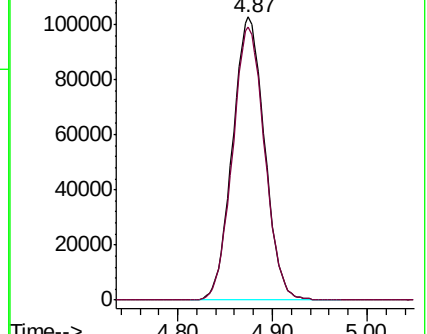
117 100

119 96.5 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 98.369 ug/L

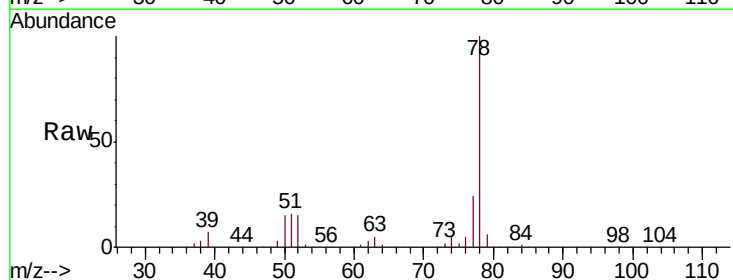
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

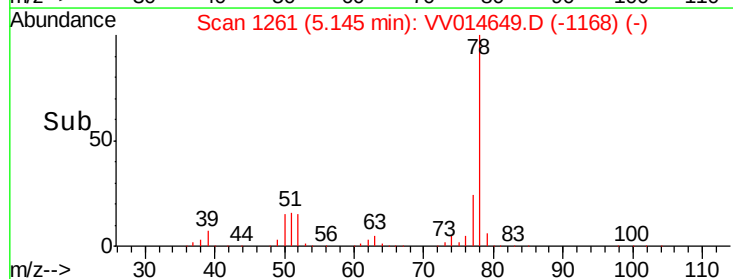
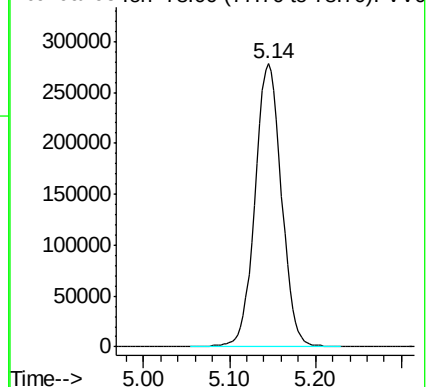
Lab File: VV014649.D

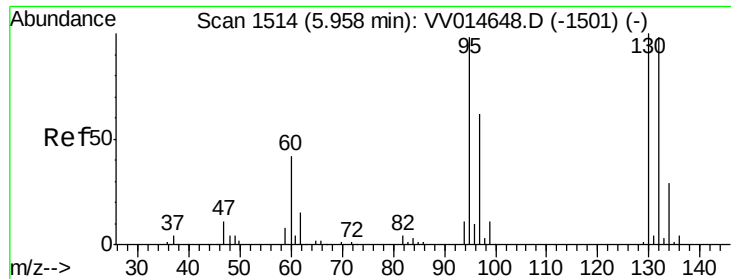
Acq: 21 Feb 2020 12:53

Tgt Ion: 78 Resp: 597613



Abundance Ion 78.00 (77.70 to 78.70): VV0

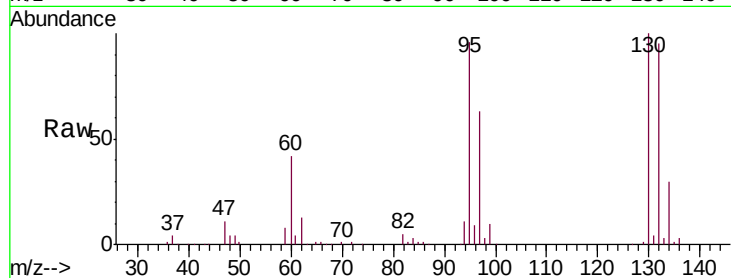




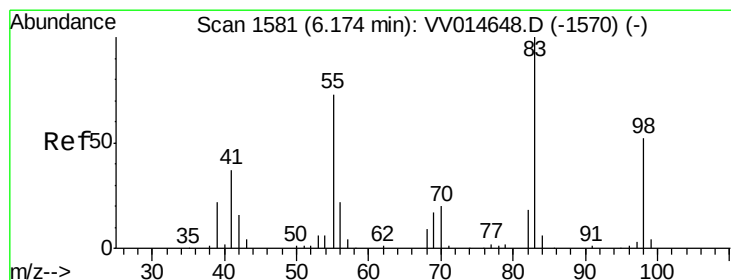
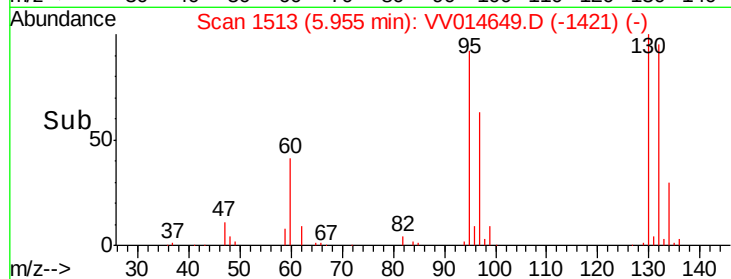
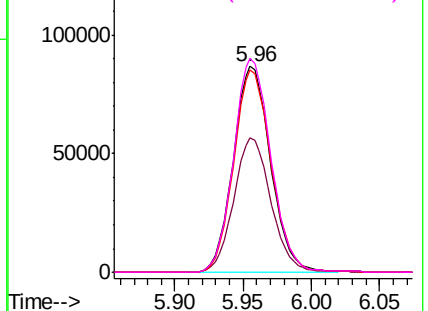
#34
 Trichloroethene
 Concen: 99.794 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tgt Ion: 95 Resp: 164995
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.3 82.3
 132 98.2 69.7 129.4
 130 103.8 71.3 132.5

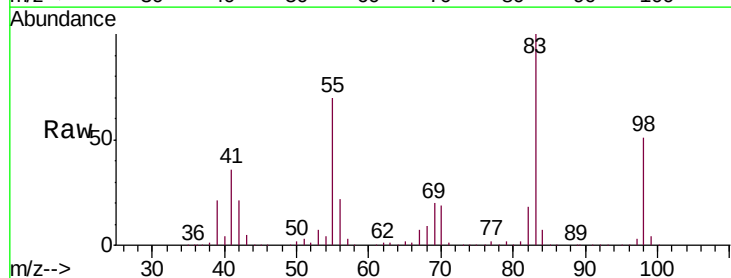


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

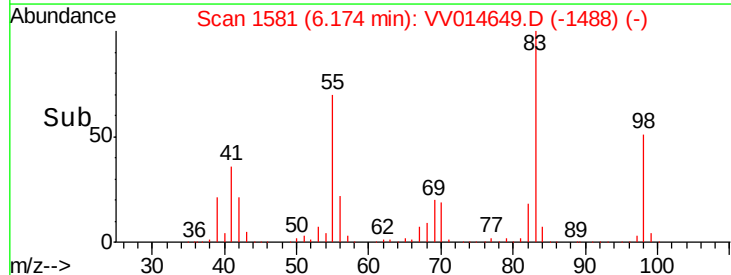
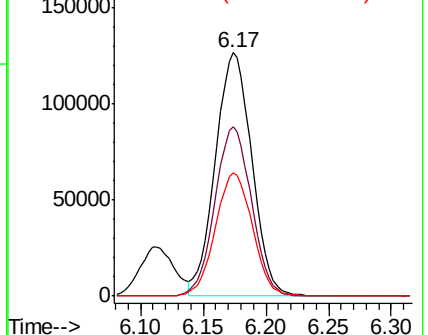


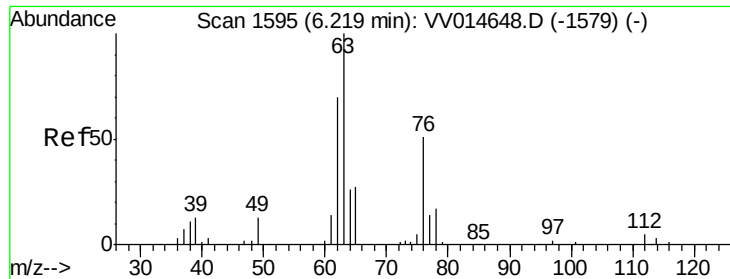
#35
 Methylcyclohexane
 Concen: 99.230 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Tgt Ion: 83 Resp: 256052
 Ion Ratio Lower Upper
 83 100
 55 69.5 56.1 84.1
 98 50.9 40.4 60.6



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

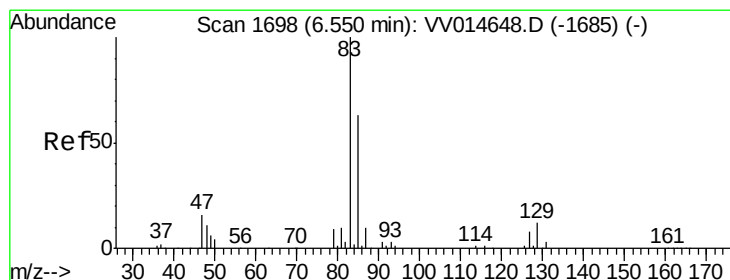
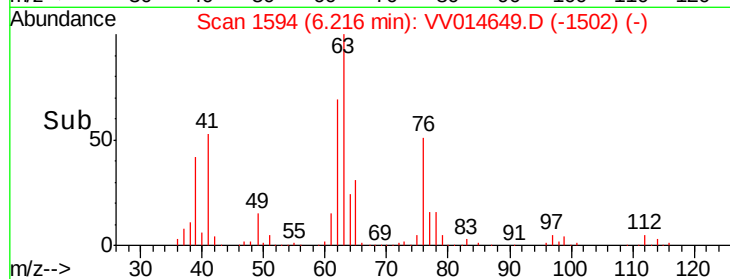
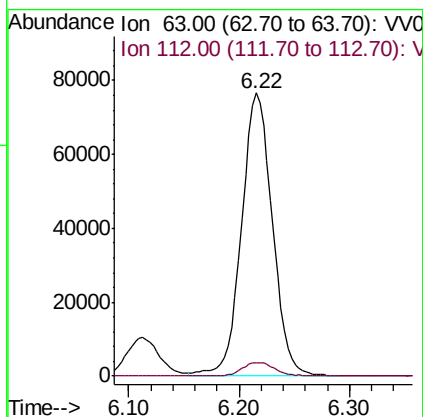
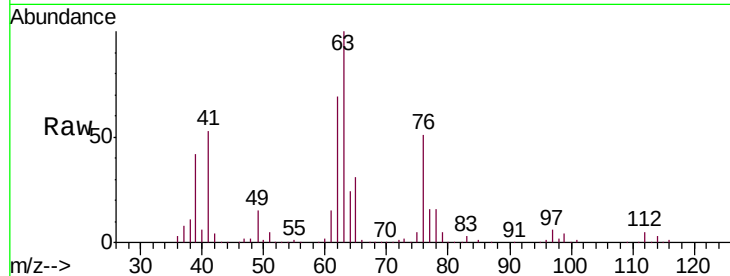




#37
 1,2-Dichloropropane
 Concen: 98.407 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

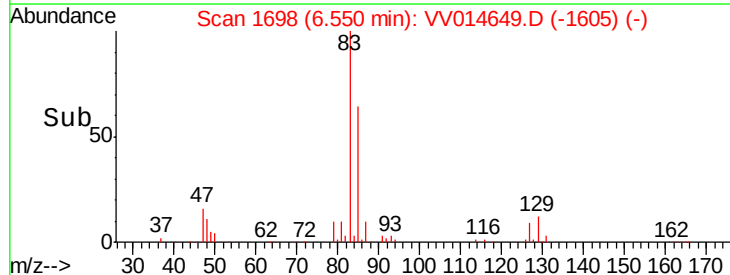
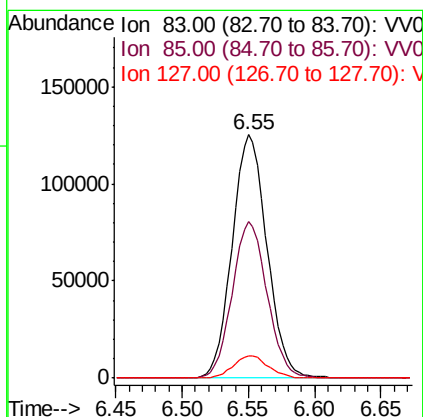
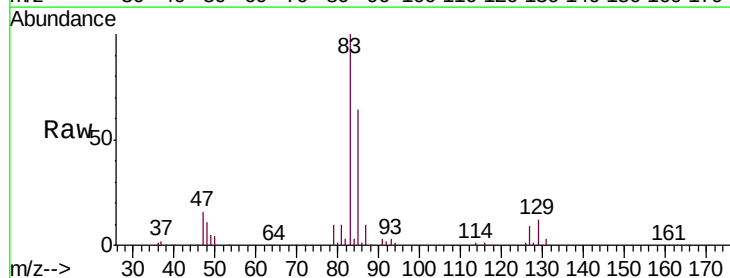
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

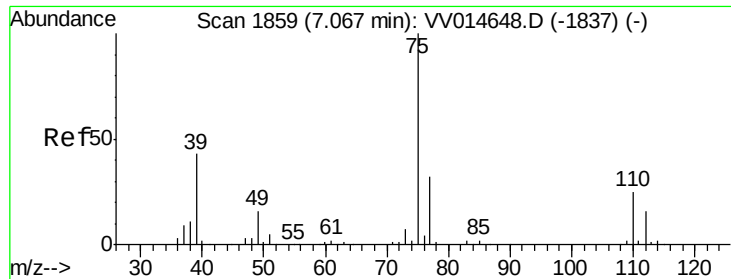
Tgt Ion: 63 Resp: 147745
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 102.694 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Tgt Ion: 83 Resp: 229040
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.2 82.2
 127 9.0 6.7 10.1

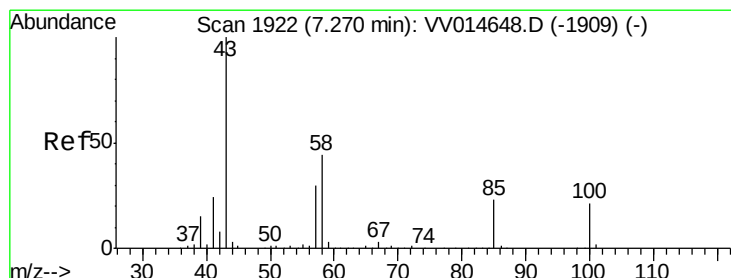
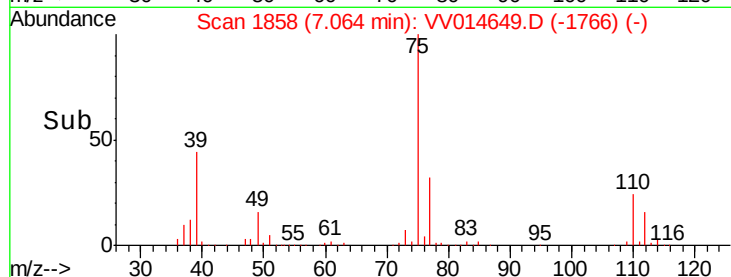
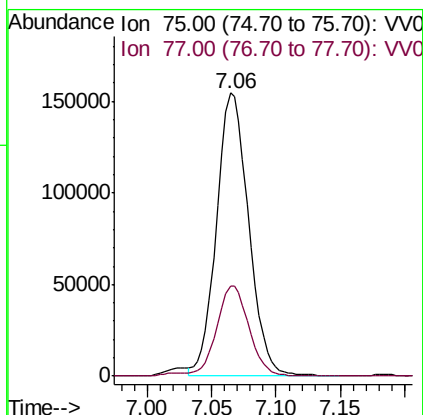
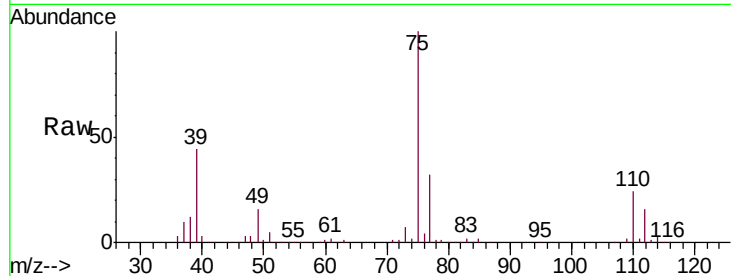




#39
 cis-1,3-Dichloropropene
 Concen: 100.570 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

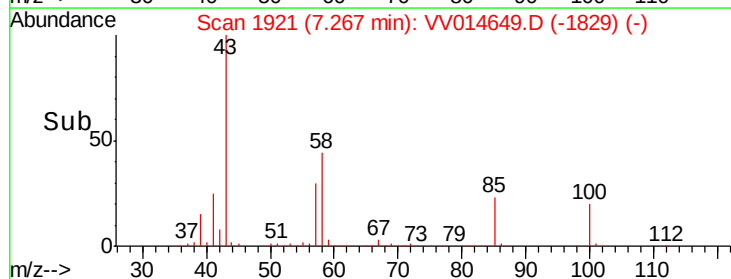
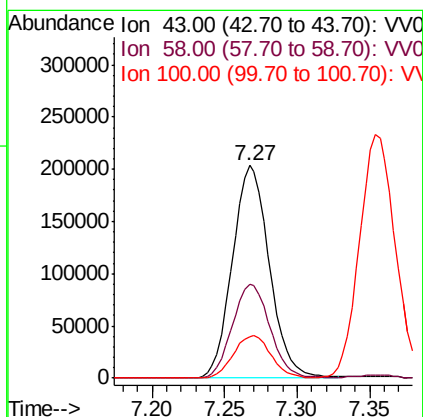
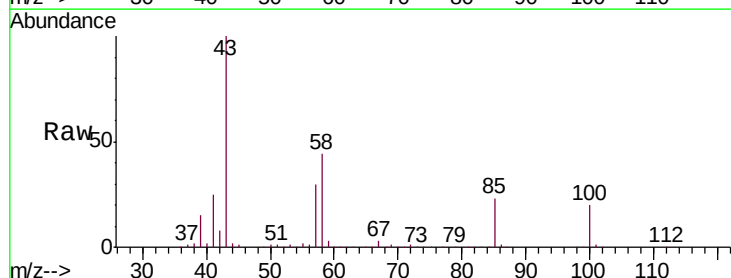
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

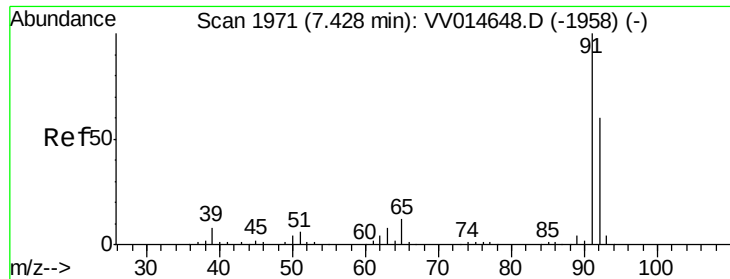
Tgt Ion: 75 Resp: 267219
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 193.650 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Tgt Ion: 43 Resp: 360773
 Ion Ratio Lower Upper
 43 100
 58 44.7 35.7 53.5
 100 20.4 16.8 25.2





#42

Toluene

Concen: 98.820 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

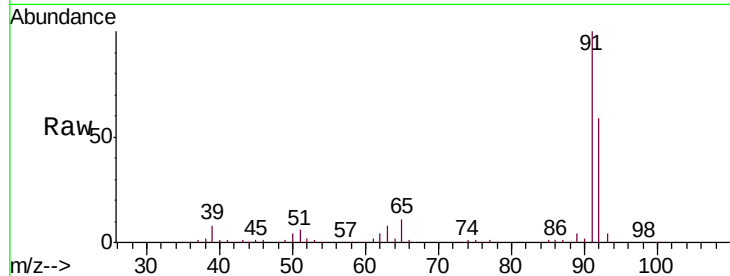
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 91 Resp: 654983

Ion Ratio Lower Upper

91 100

92 58.6 41.9 77.7



Abundance Ion 91.00 (90.70 to 91.70): VV014648.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV014649.D (-1878) (-)

7.43

400000

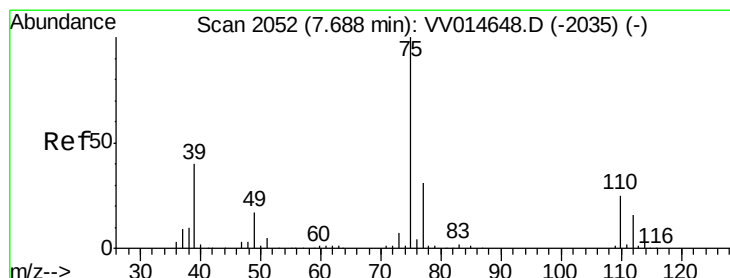
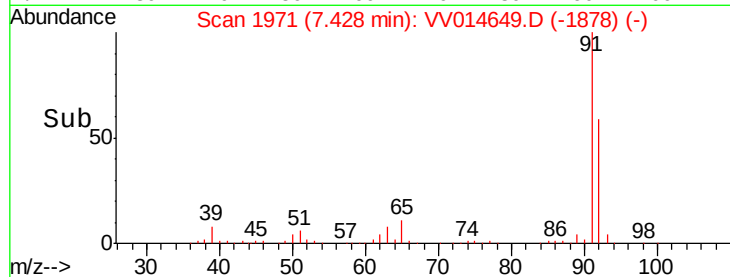
300000

200000

100000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 103.247 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014649.D

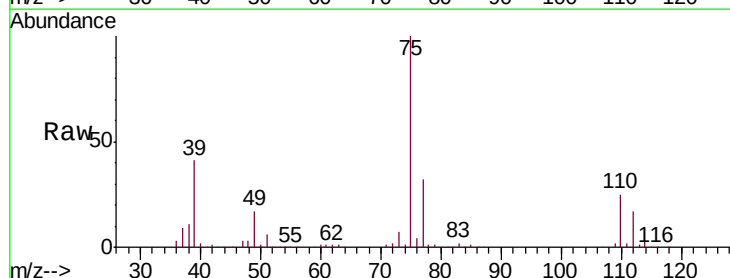
Acq: 21 Feb 2020 12:53

Tgt Ion: 75 Resp: 248803

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV014648.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV014649.D (-1959) (-)

7.69

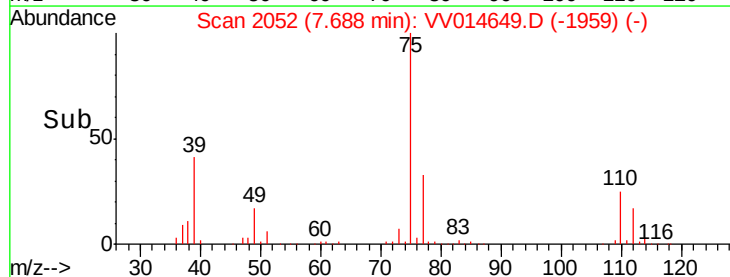
150000

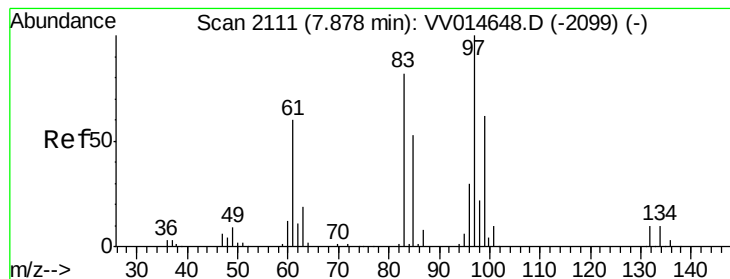
100000

50000

0

Time--> 7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 100.245 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampled :

VSTD10064

Tgt Ion: 97 Resp: 156941

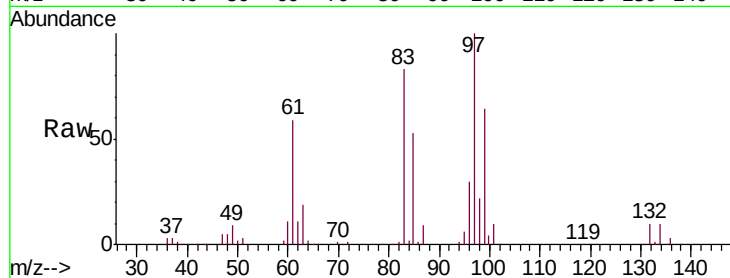
Ion Ratio Lower Upper

97 100

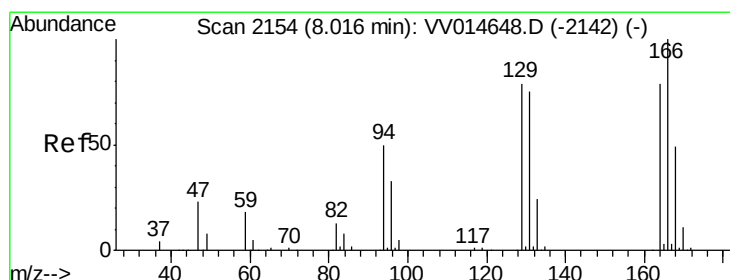
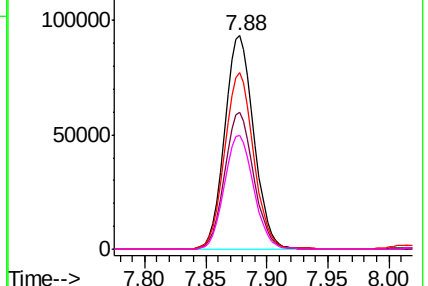
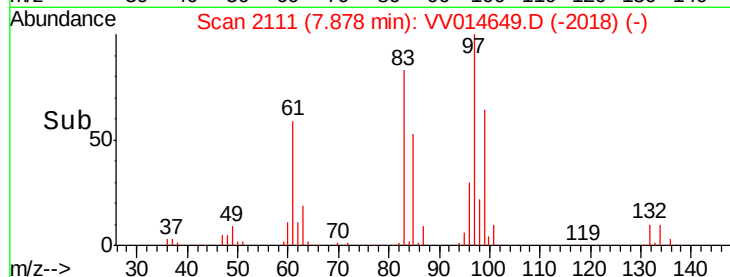
99 64.1 43.7 81.1

83 82.8 57.3 106.5

85 53.4 37.1 68.9



Abundance Ion 97.00 (96.70 to 97.70): VV014649.D (-2018) (-)



#46

Tetrachloroethene

Concen: 97.826 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Tgt Ion: 164 Resp: 126222

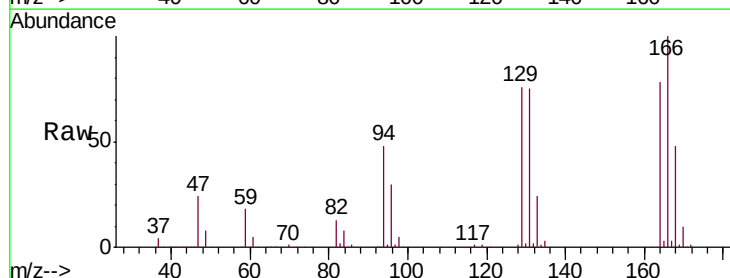
Ion Ratio Lower Upper

164 100

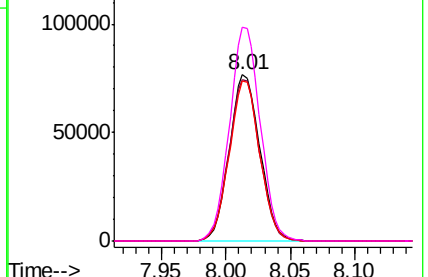
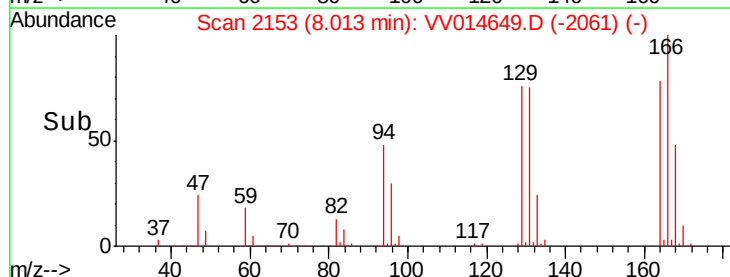
129 97.5 70.3 130.7

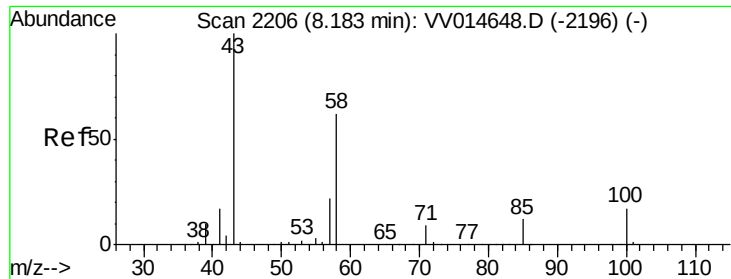
131 96.0 66.8 124.0

166 128.6 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): VV014649.D (-2061) (-)

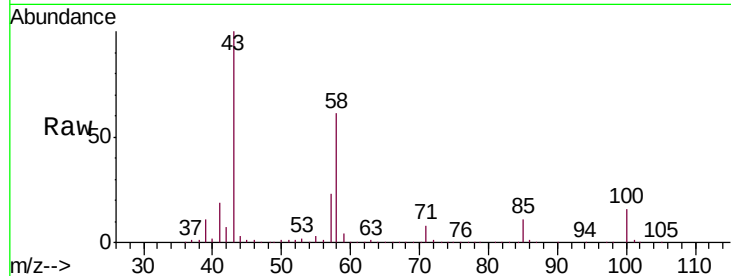




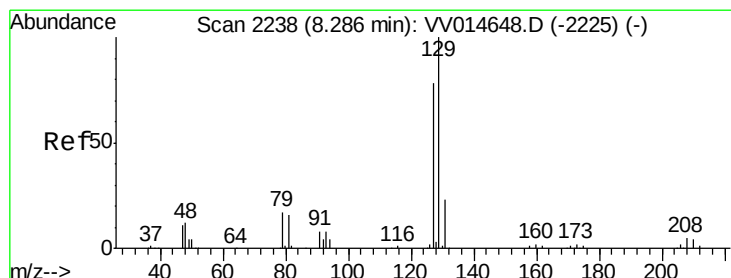
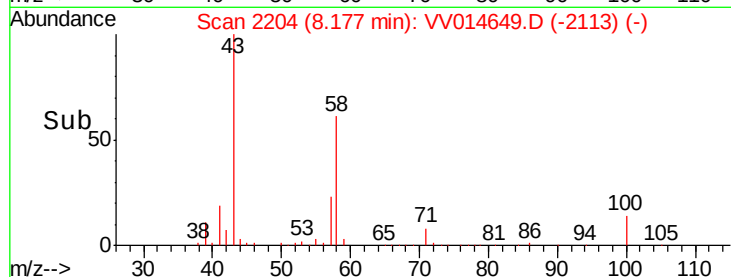
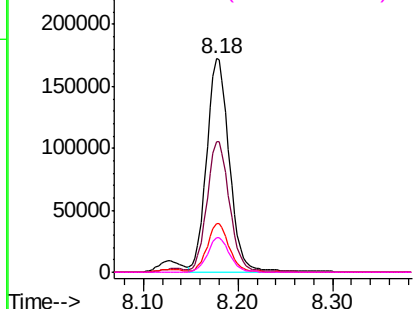
#48
2-Hexanone
Concen: 194.479 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV014649.D
Acq: 21 Feb 2020 12:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion: 43 Resp: 285600
Ion Ratio Lower Upper
43 100
58 61.2 49.4 74.2
57 21.6 17.8 26.8
100 16.1 13.1 19.7

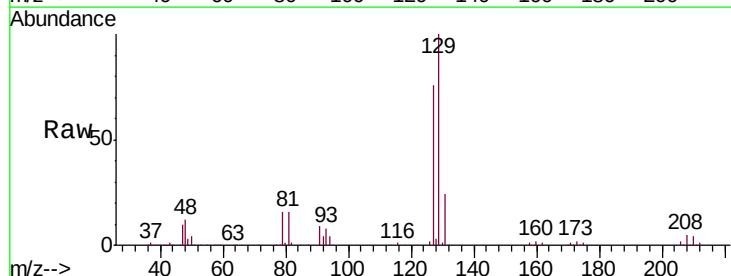


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

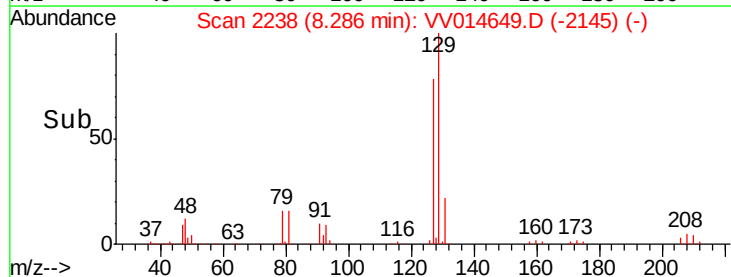
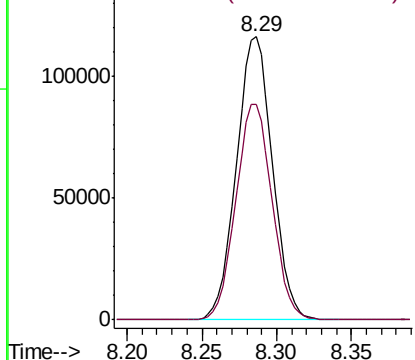


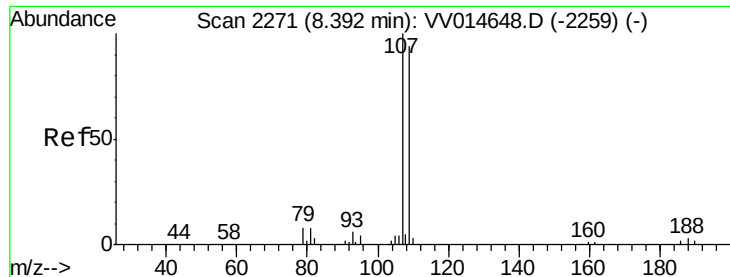
#49
Dibromochloromethane
Concen: 104.698 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014649.D
Acq: 21 Feb 2020 12:53

Tgt Ion: 129 Resp: 195303
Ion Ratio Lower Upper
129 100
127 76.2 54.5 101.3



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

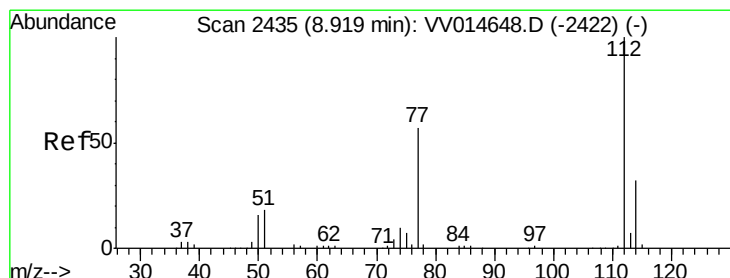
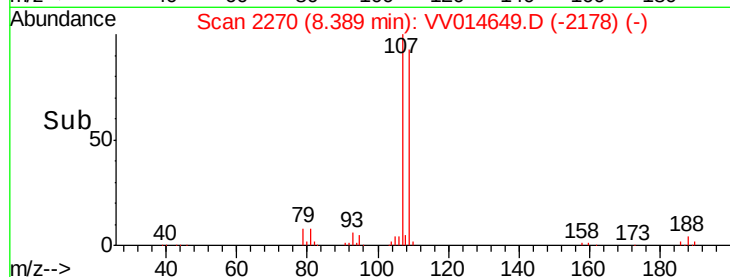
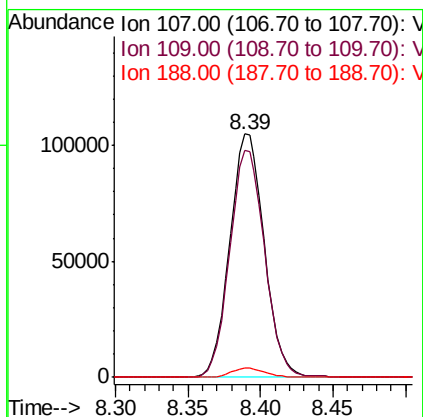
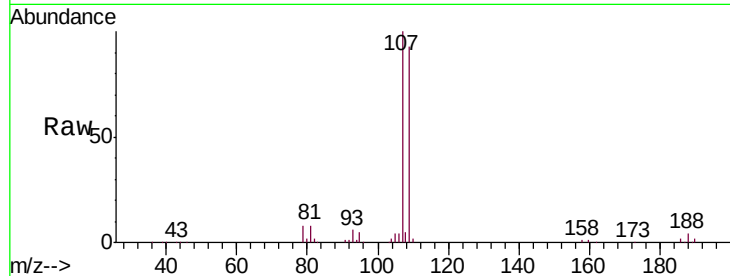




#50
 1,2-Dibromoethane
 Concen: 102.064 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

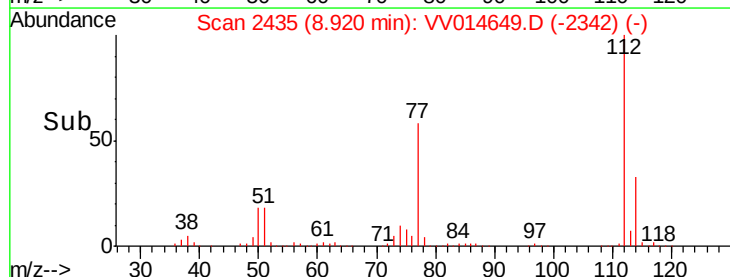
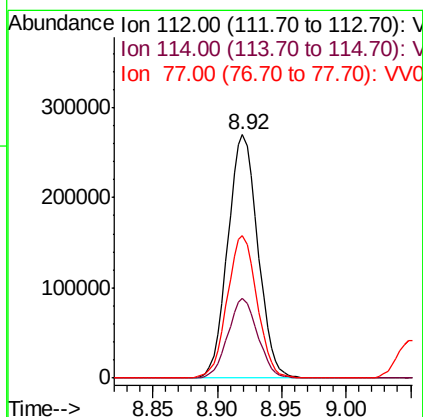
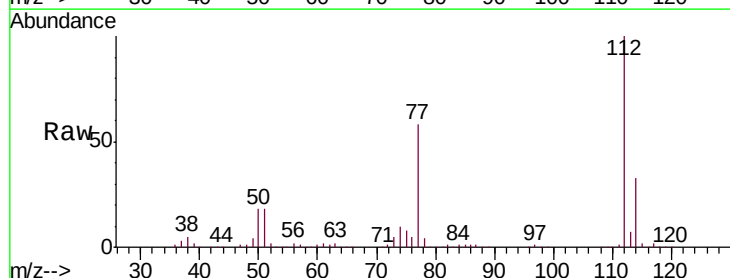
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

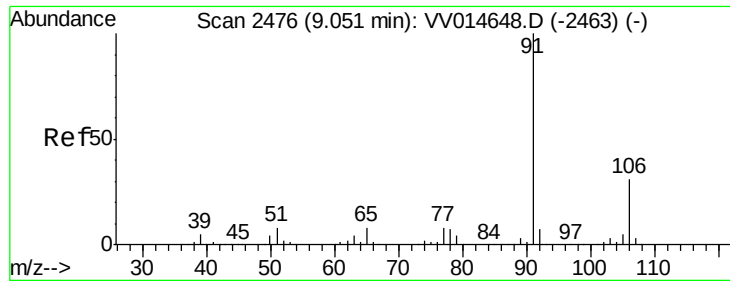
Tgt Ion:107 Resp: 172963
 Ion Ratio Lower Upper
 107 100
 109 93.3 66.1 122.7
 188 3.7 2.7 4.1



#51
 Chlorobenzene
 Concen: 98.445 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Tgt Ion:112 Resp: 436688
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.5 41.7
 77 58.3 45.8 68.8





#52

Ethylbenzene

Concen: 99.587 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

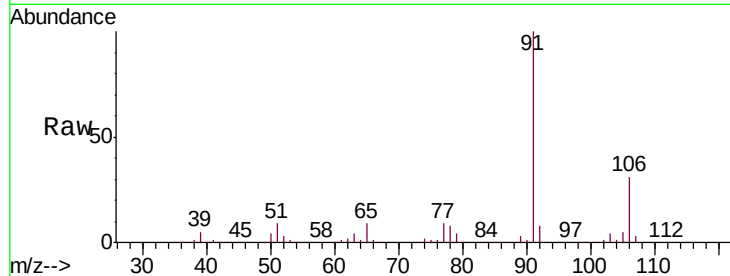
VSTD10064

Tgt Ion: 91 Resp: 749954

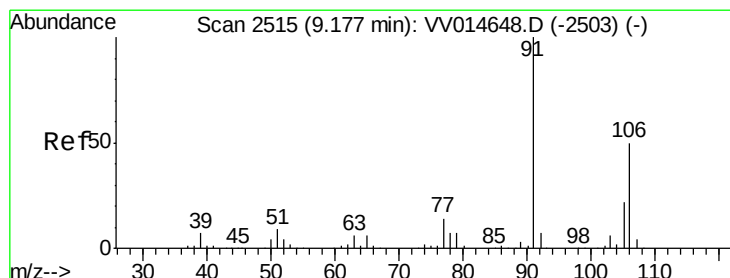
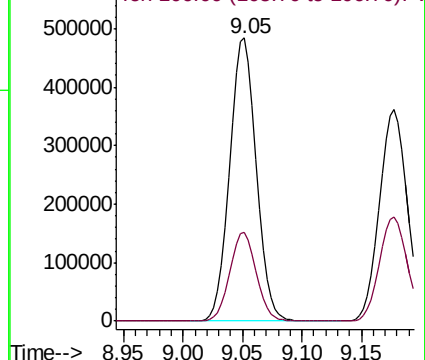
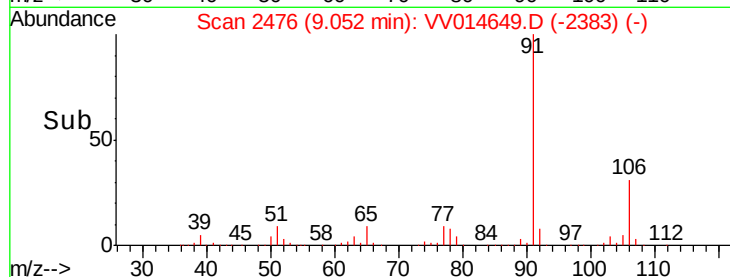
Ion Ratio Lower Upper

91 100

106 31.4 21.7 40.3



Abundance Ion 91.00 (90.70 to 91.70): VV014649.D (-2383) (-)



#53

m,p-Xylene

Concen: 98.084 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014649.D

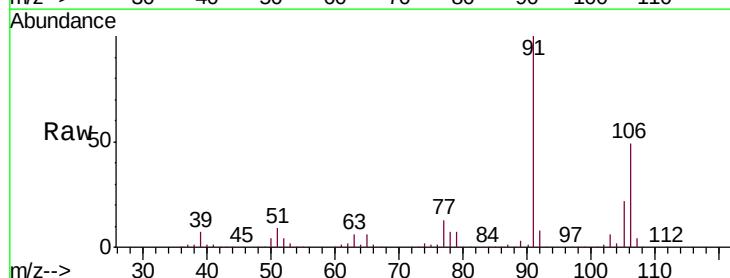
Acq: 21 Feb 2020 12:53

Tgt Ion: 106 Resp: 289145

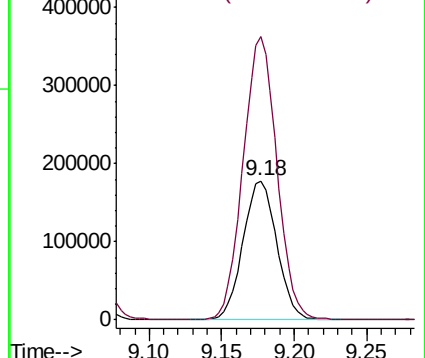
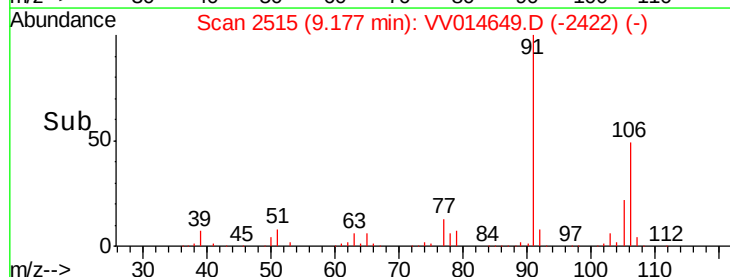
Ion Ratio Lower Upper

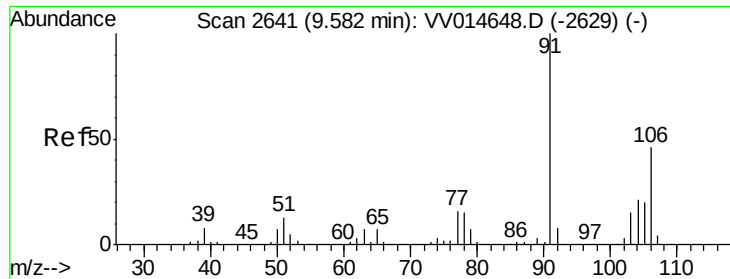
106 100

91 203.7 139.9 259.9



Abundance Ion 106.00 (105.70 to 106.70): VV014649.D (-2422) (-)

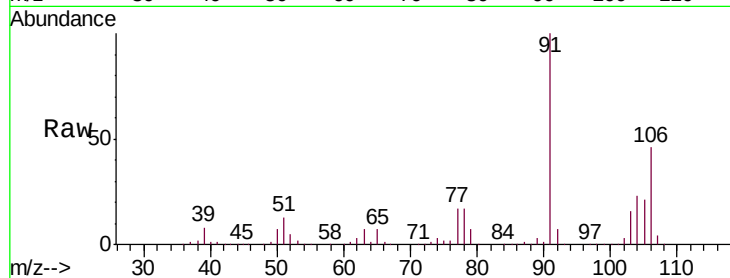




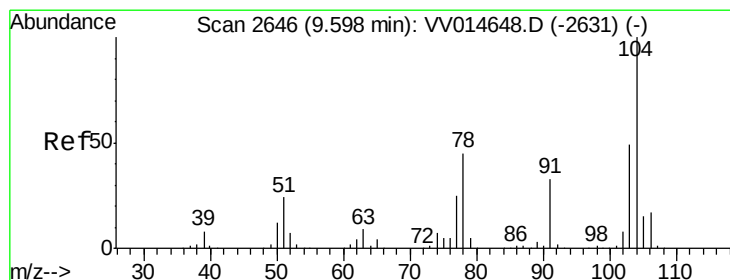
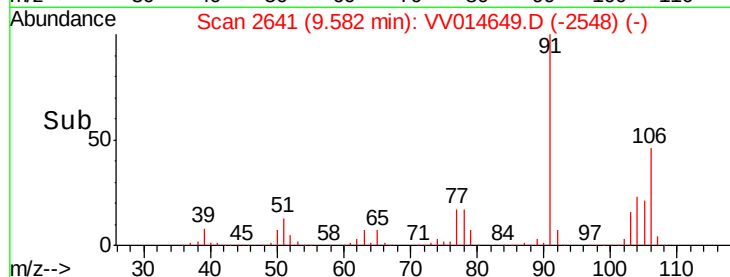
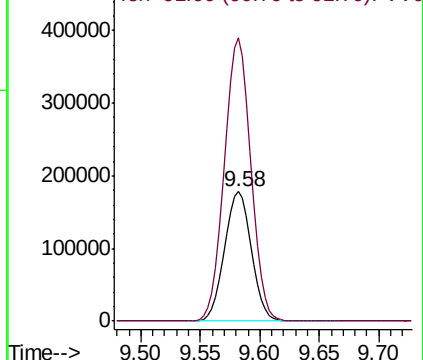
#54
o-xylene
Concen: 98.933 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014649.D
Acq: 21 Feb 2020 12:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tgt Ion:106 Resp: 278680
Ion Ratio Lower Upper
106 100
91 218.2 152.7 283.5

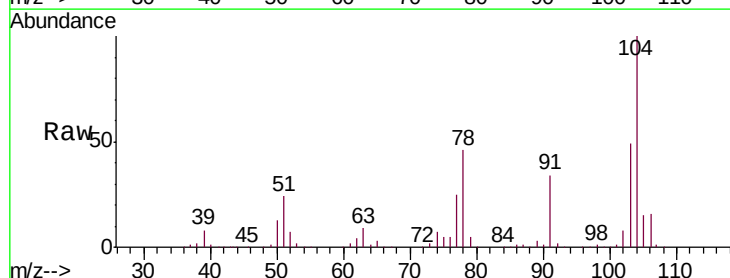


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

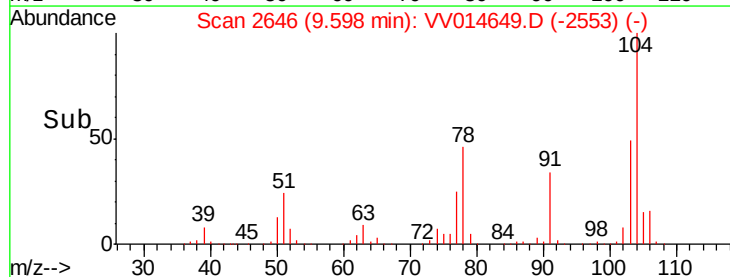
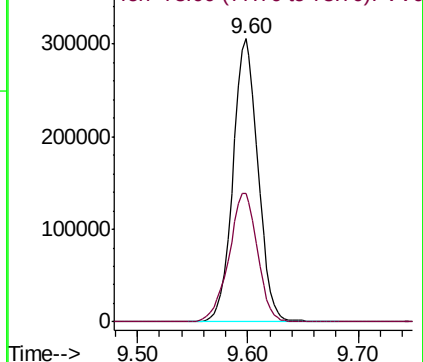


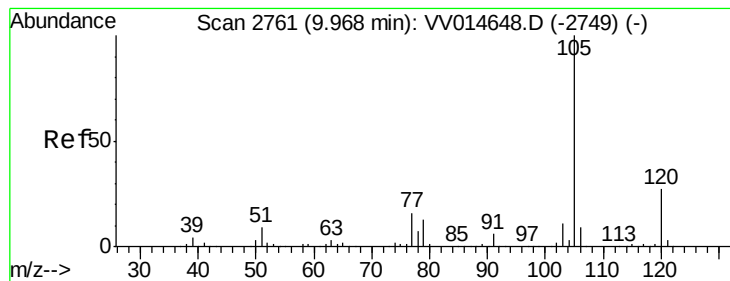
#55
Styrene
Concen: 99.749 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014649.D
Acq: 21 Feb 2020 12:53

Tgt Ion:104 Resp: 481030
Ion Ratio Lower Upper
104 100
78 45.5 31.8 59.0



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





#56

Isopropylbenzene

Concen: 100.236 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

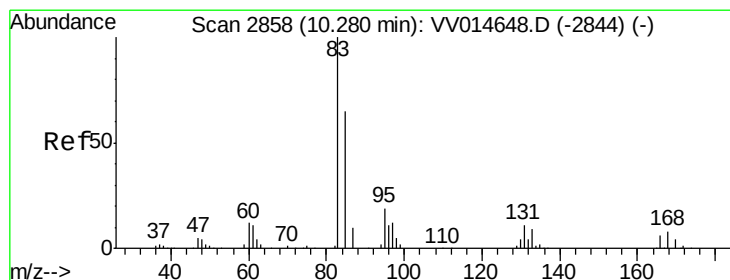
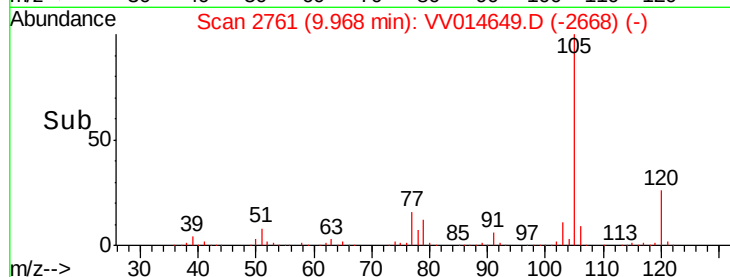
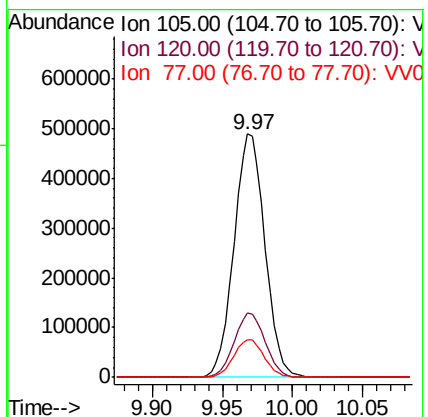
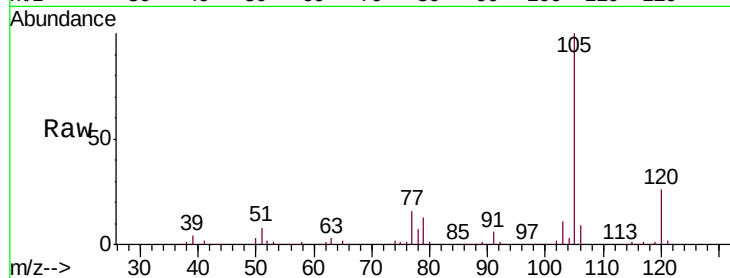
Tgt Ion: 105 Resp: 751958

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

77 15.4 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 98.825 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

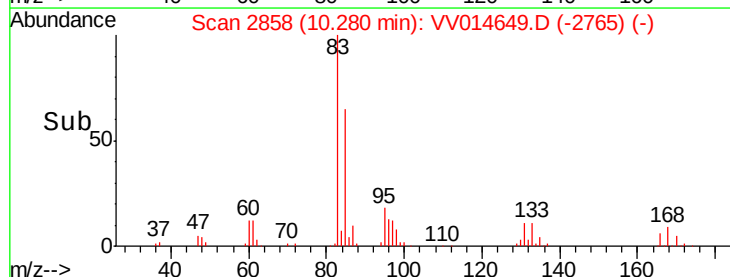
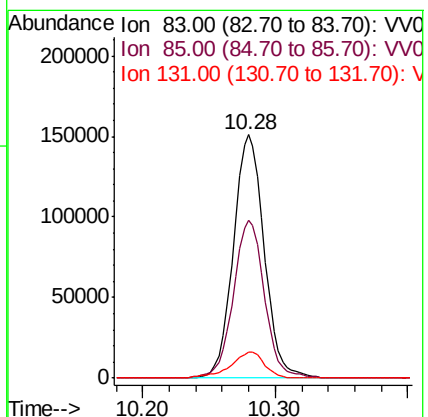
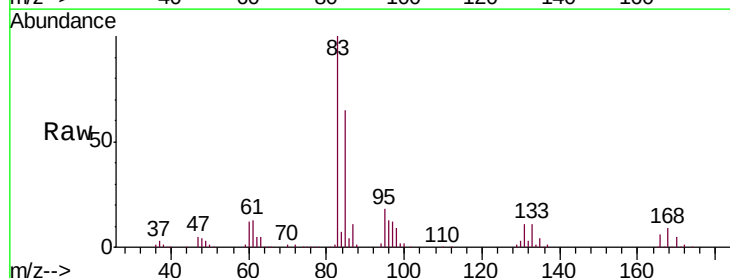
Tgt Ion: 83 Resp: 243476

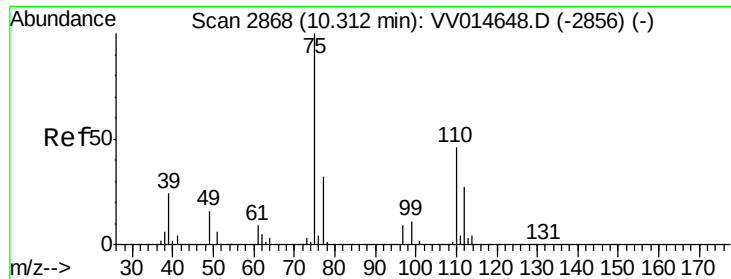
Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9

131 10.6 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 100.636 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

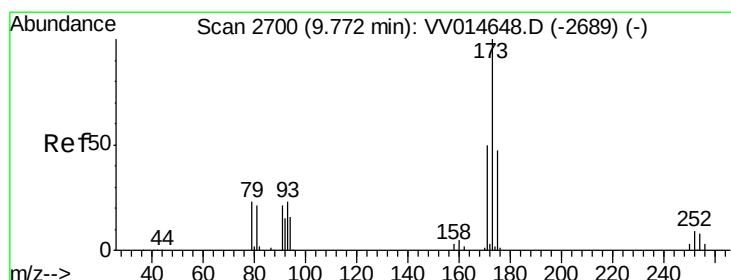
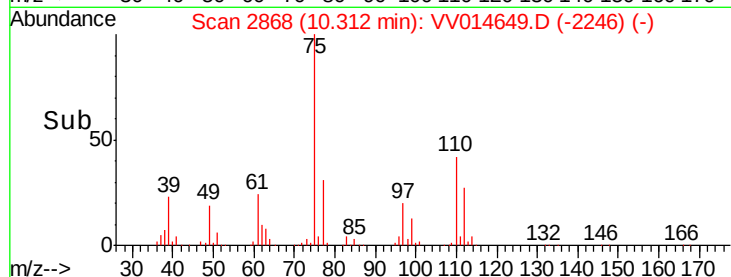
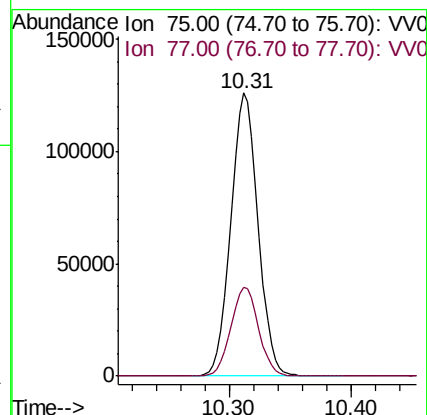
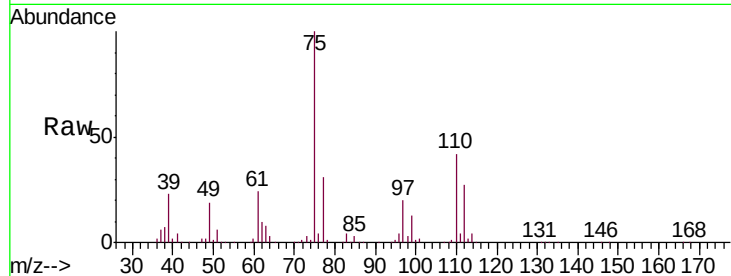
VSTD10064

Tgt Ion: 75 Resp: 196762

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 102.223 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

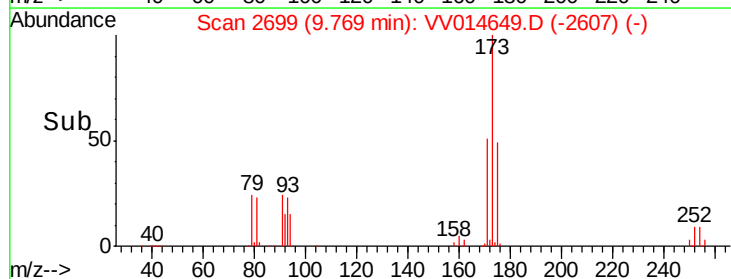
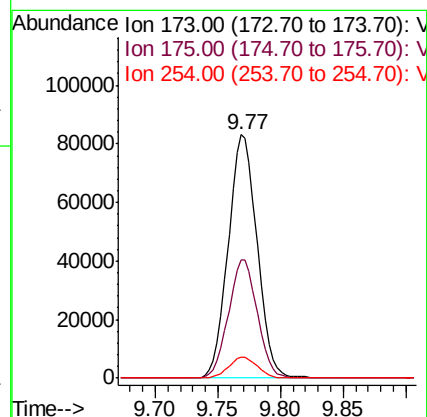
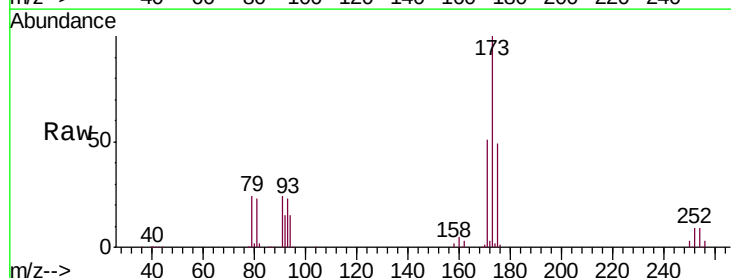
Tgt Ion: 173 Resp: 133336

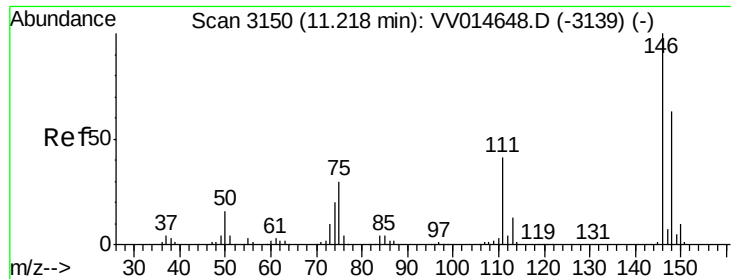
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 8.4 6.7 10.1

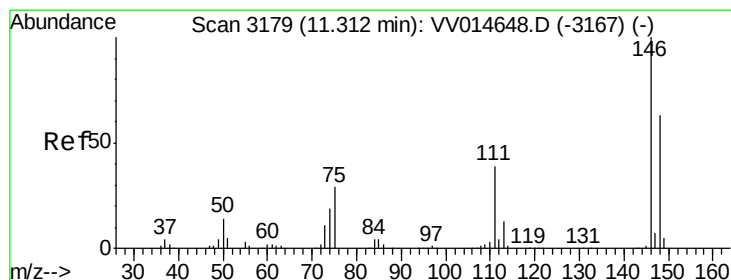
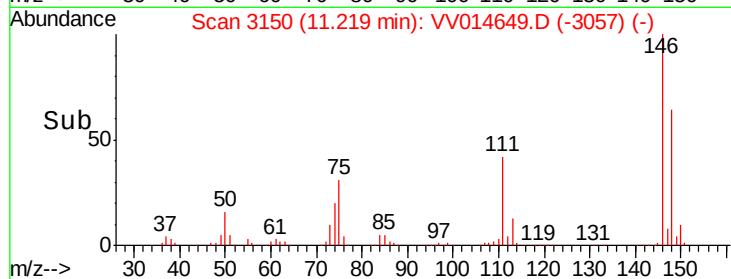
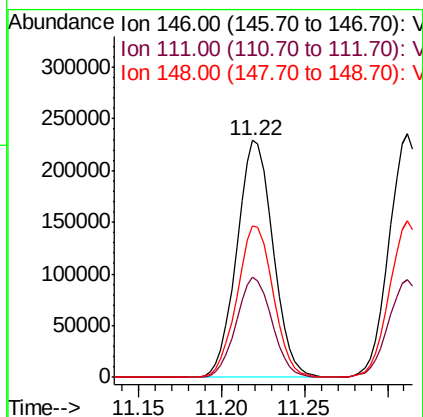
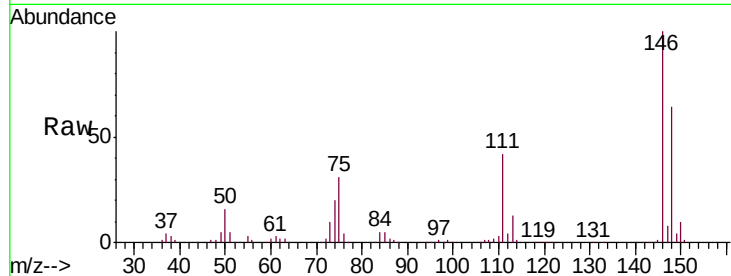




#62
 1,3-Dichlorobenzene
 Concen: 96.087 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

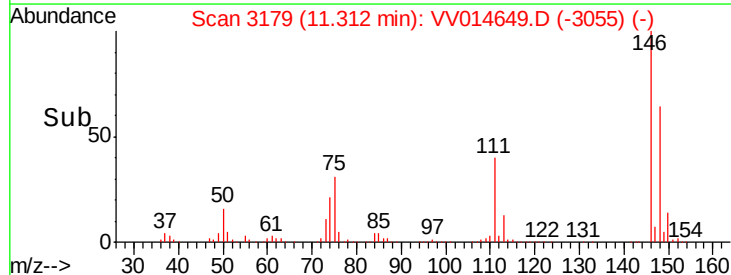
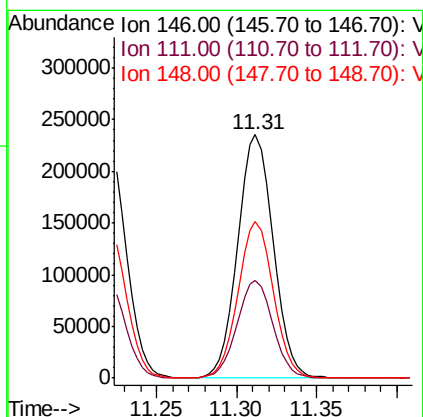
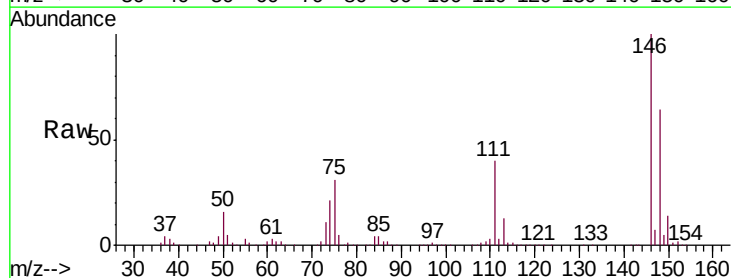
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

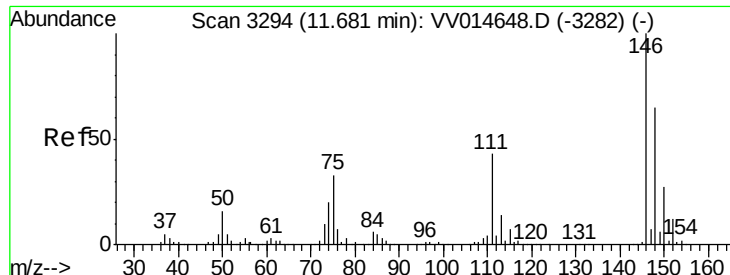
Tgt Ion:146 Resp: 348278
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.0 53.9
 148 64.2 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 96.393 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Tgt Ion:146 Resp: 354152
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.6 51.4
 148 64.3 44.0 81.6

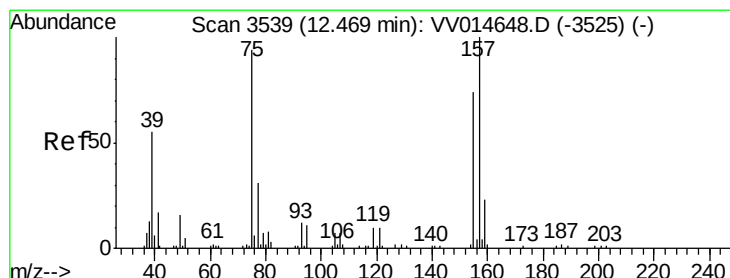
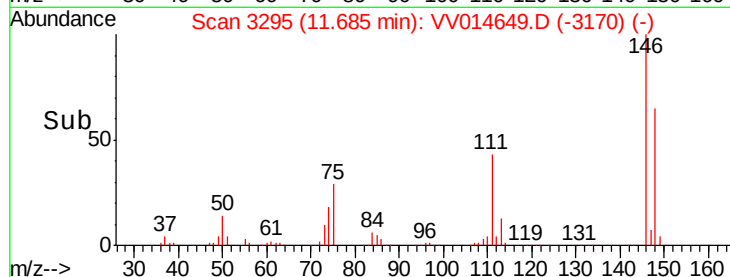
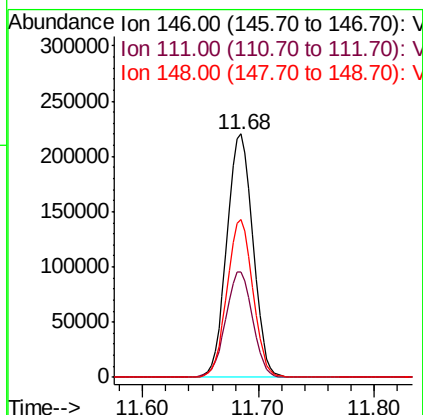
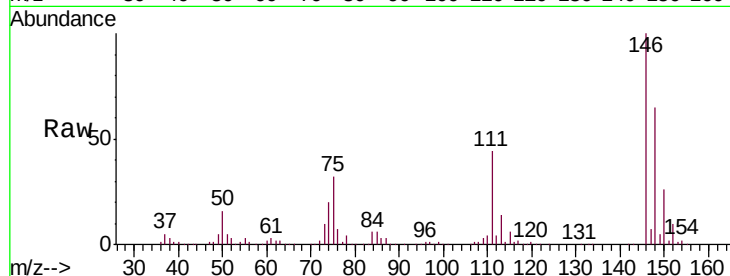




#65
 1,2-Dichlorobenzene
 Concen: 95.762 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

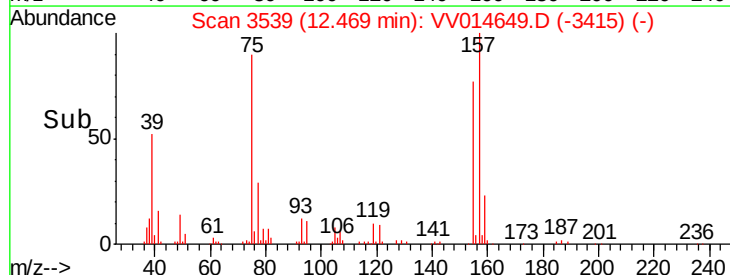
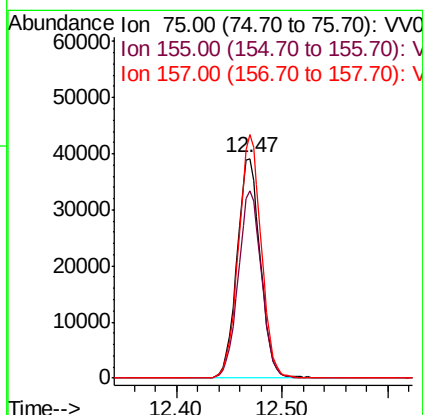
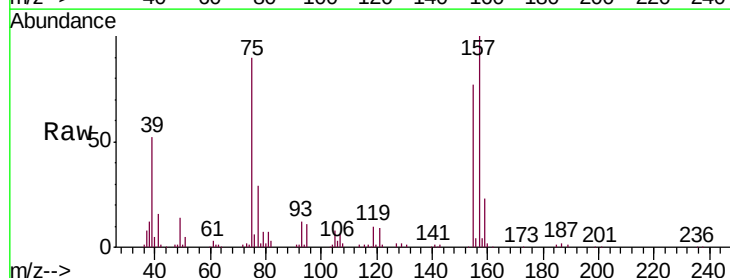
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

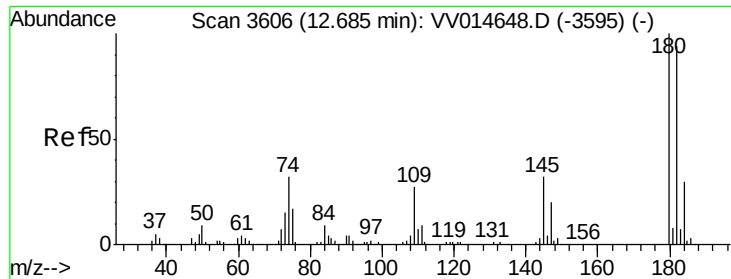
Tgt Ion: 146 Resp: 342035
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.4 51.6
 148 64.7 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 101.725 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Tgt Ion: 75 Resp: 59988
 Ion Ratio Lower Upper
 75 100
 155 85.5 62.6 93.8
 157 110.9 84.7 127.1

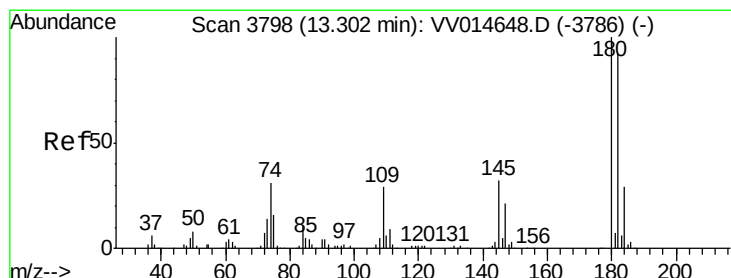
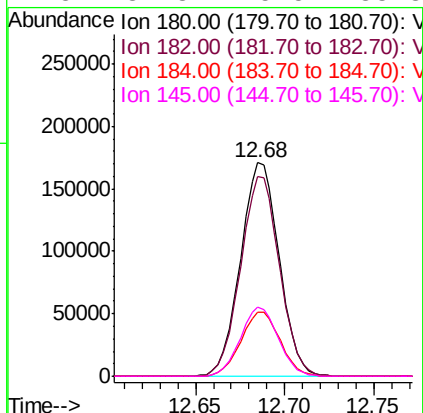
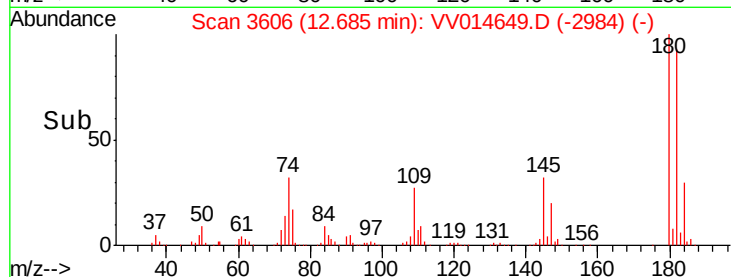
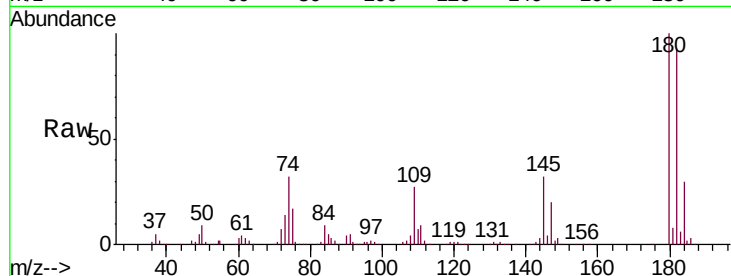




#67
 1,3,5-Trichlorobenzene
 Concen: 98.841 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

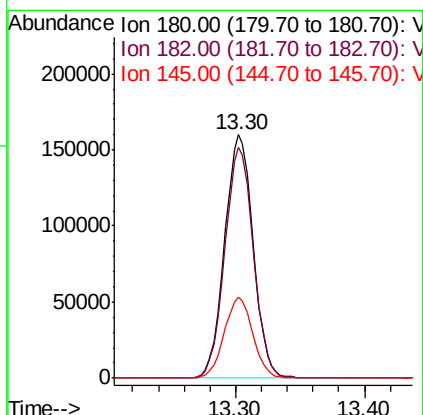
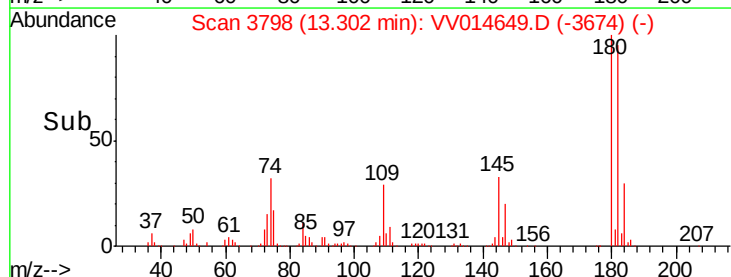
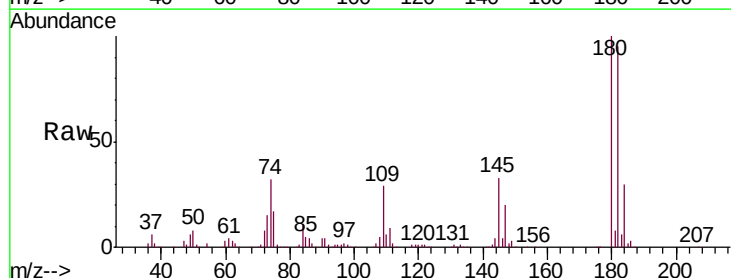
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

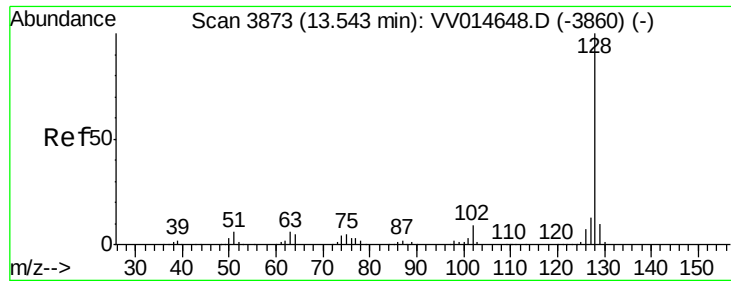
Tgt Ion:	180	Resp:	259347
Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.9	113.9
184	30.5	23.8	35.8
145	31.8	25.5	38.3



#68
 1,2,4-trichlorobenzene
 Concen: 101.011 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014649.D
 Acq: 21 Feb 2020 12:53

Tgt Ion:	180	Resp:	245017
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.3	112.9
145	33.1	25.9	38.9





#69

Naphthalene

Concen: 104.782 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

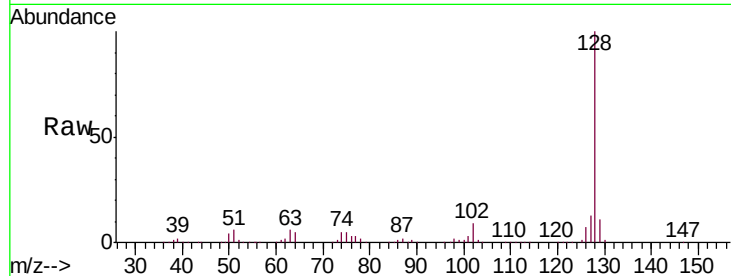
Tgt Ion:128 Resp: 814011

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

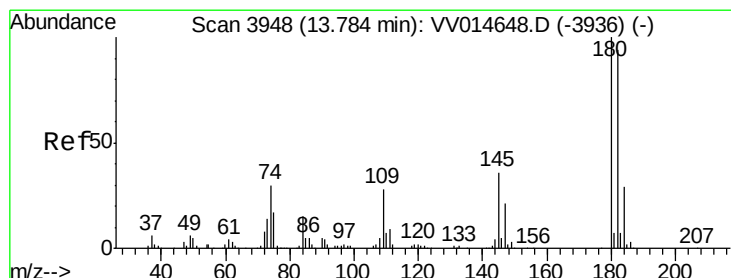
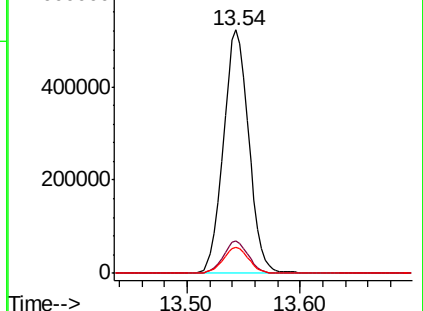
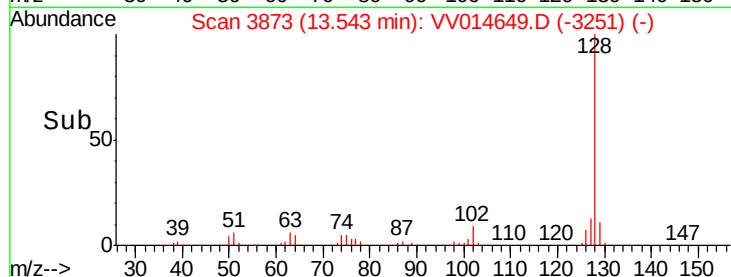
129 10.8 8.5 12.7



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: 104.647 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VV014649.D

Acq: 21 Feb 2020 12:53

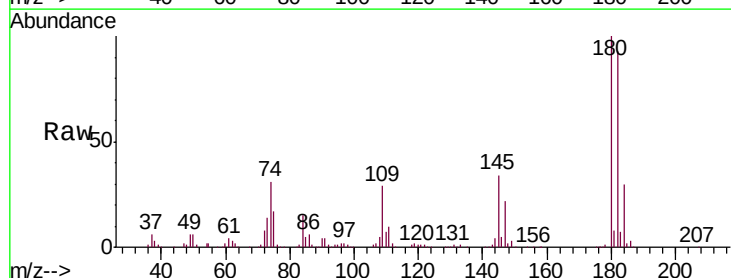
Tgt Ion:180 Resp: 247045

Ion Ratio Lower Upper

180 100

182 94.8 75.4 113.2

145 34.8 28.2 42.2



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

