

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120718\
 Data File : VV008877.D
 Acq On : 07 Dec 2018 15:52
 Operator : SY/MD
 Sample : J6096-28
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4120

Quant Time: Dec 08 00:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 07 22:19:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	112055	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	104743	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49792	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26106	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	20848	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.13	63	66616	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.60%
20) 2-Butanone-d5	3.98	46	75554	51.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.38%
24) Chloroform-d	4.40	84	66106	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.08	65	32439	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.10	84	130217	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.12	67	39228	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.36	98	117184	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.66	79	14609	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.14	63	60219	52.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25990	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	44727	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	22537	2.117	ug/L	99
3) Chloromethane	1.25	50	42541	6.032	ug/L	98
5) Vinyl chloride	1.32	62	33008	4.593	ug/L	97
6) Bromomethane	1.54	94	22022	5.228	ug/L	99
8) Chloroethane	1.60	64	17356	4.299	ug/L	98
9) Trichlorofluoromethane	1.77	101	106438	9.190	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	31191	4.950	ug/L	99
12) 1,1-Dichloroethene	2.14	96	36808	6.704	ug/L	100
16) Methylene chloride	2.54	84	23526	3.968	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	82970	6.155	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	44529	7.420	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	50031	6.090	ug/L	97
23) Bromochloromethane	4.30	128	6942	1.998	ug/L	93
25) Chloroform	4.43	83	64592	4.543	ug/L	100
27) 1,2-Dichloroethane	5.18	62	39694	4.892	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	63498	5.119	ug/L	98
31) Carbon tetrachloride	4.87	117	56625	5.071	ug/L	98

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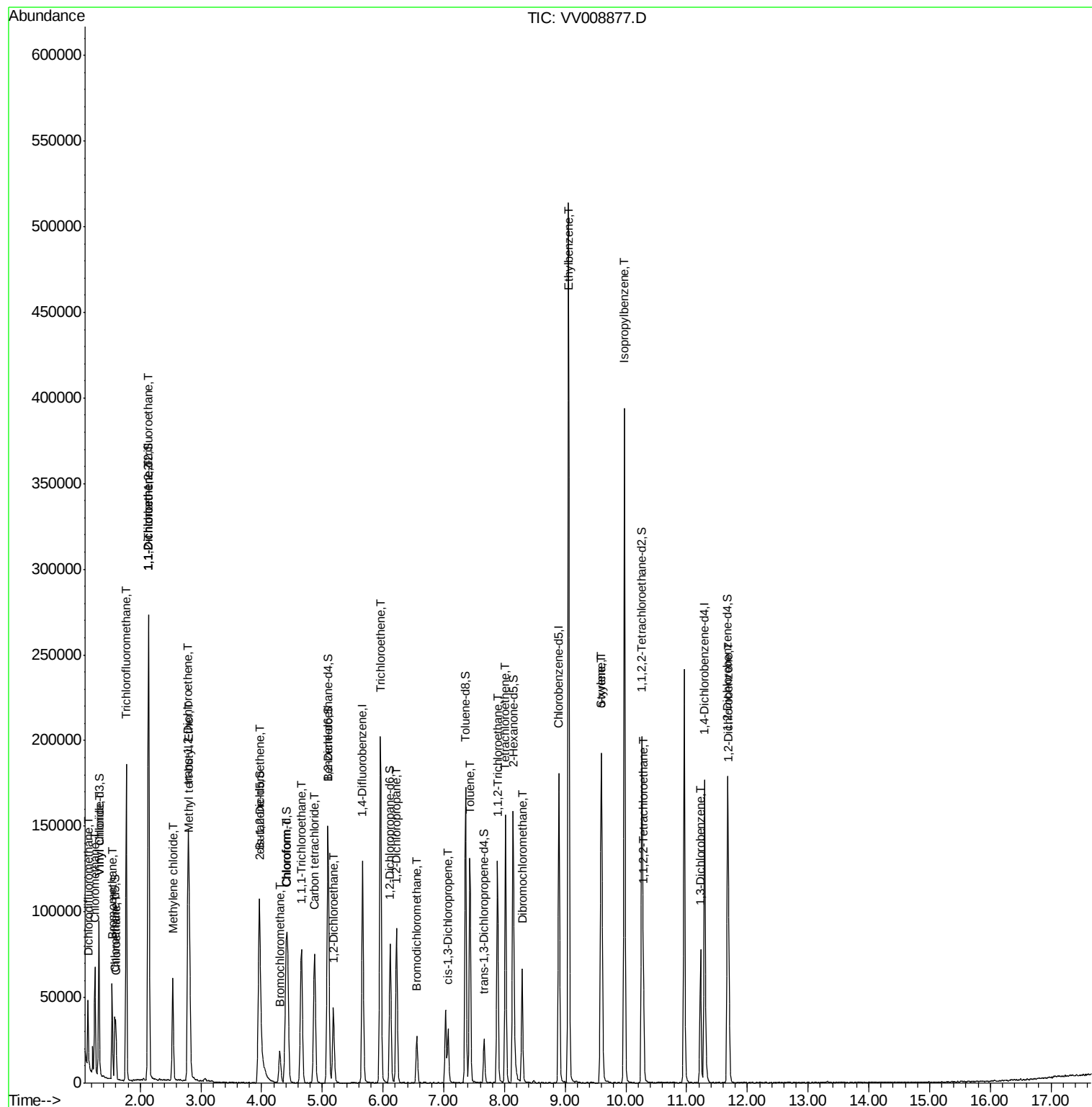
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Trichloroethene	5.96	95	69294	8.000	ug/L	99
37) 1,2-Dichloropropane	6.22	63	34857	4.776	ug/L	100
38) Bromodichloromethane	6.56	83	17920	1.995	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	18043	1.764	ug/L	100
42) Toluene	7.43	91	96597	3.005	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	41063	8.013	ug/L	97
47) Tetrachloroethene	8.02	164	35596	5.122	ug/L	96
49) Dibromochloromethane	8.29	129	34270	5.718	ug/L	94
52) Ethylbenzene	9.05	91	354487	10.100	ug/L	100
54) o-xylene	9.59	106	39177	3.064	ug/L	100
55) Styrene	9.60	104	66303	3.134	ug/L	97
56) Isopropylbenzene	9.97	105	253652	7.332	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	23374	4.520	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	33383	2.074	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	30380	2.043	ug/L	96

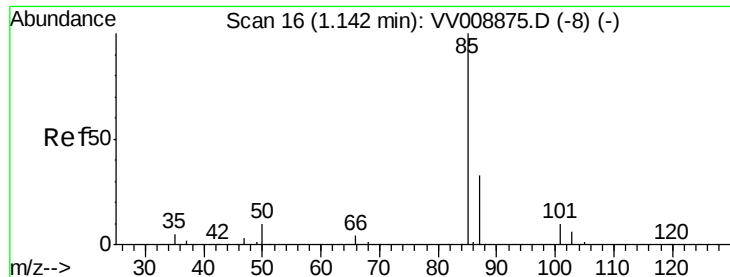
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.117 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

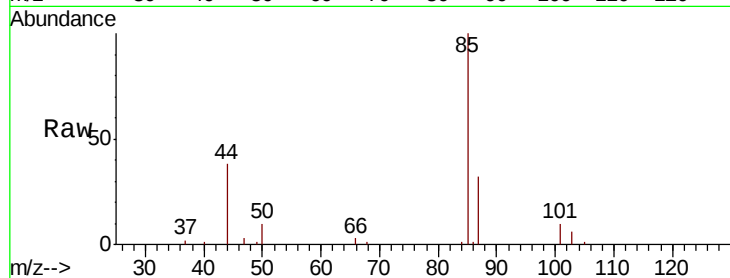
A4120

Tot Ion: 85 Resp: 22537

Ion Ratio Lower Upper

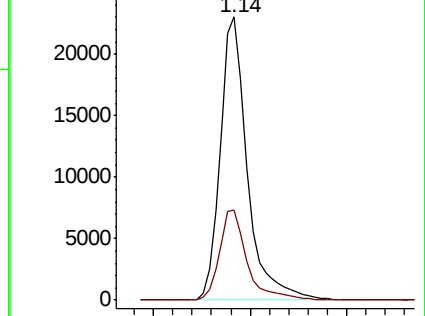
85 100

87 32.5 26.3 39.5

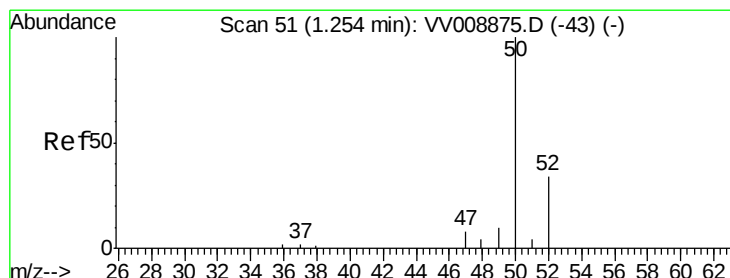
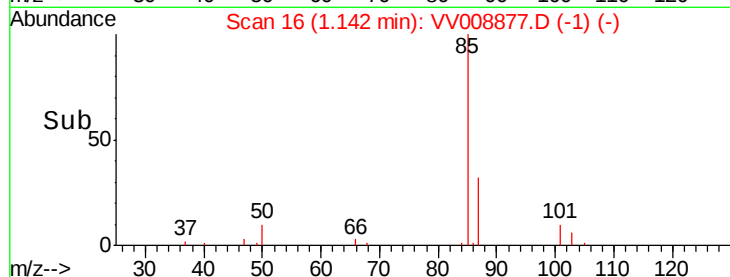


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 6.032 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008877.D

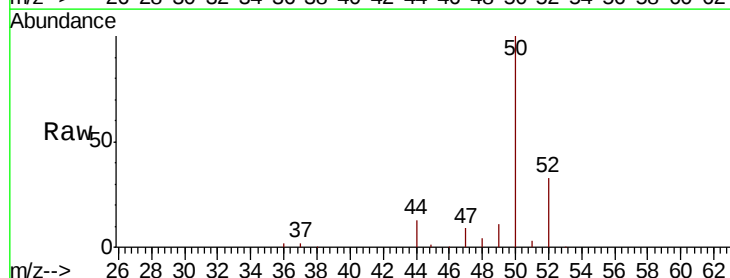
Acq: 07 Dec 2018 15:52

Tgt Ion: 50 Resp: 42541

Ion Ratio Lower Upper

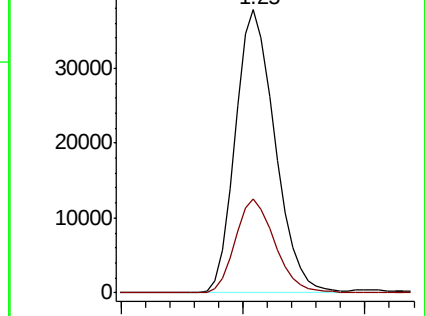
50 100

52 33.1 23.9 44.5

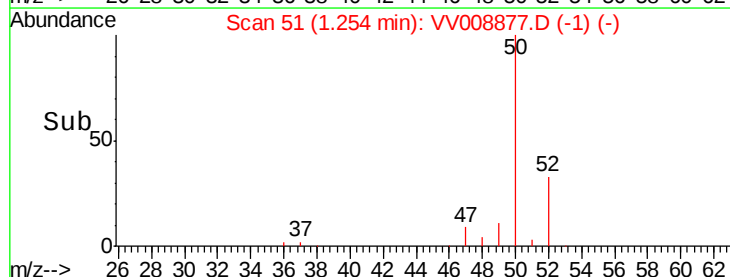


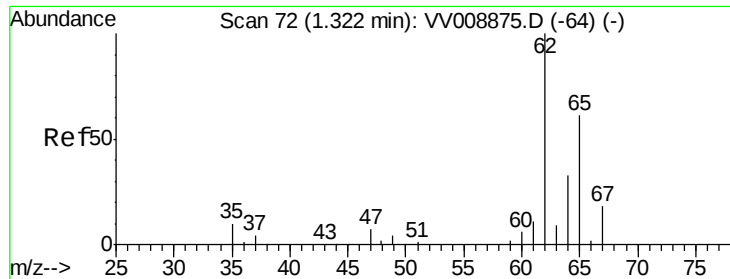
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 4.593 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

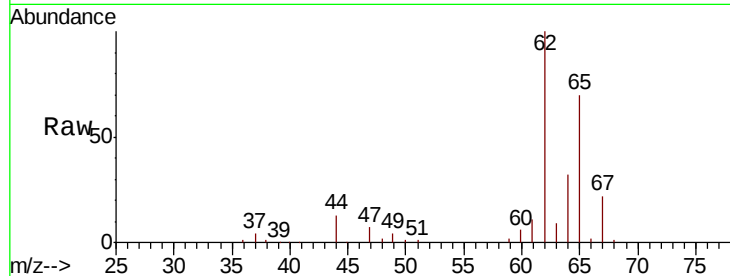
Instrument :
MSVOA_V
ClientSampled :
A4120

Tot Ion: 62 Resp: 33008

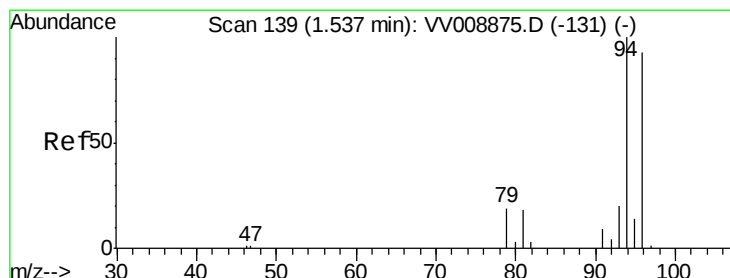
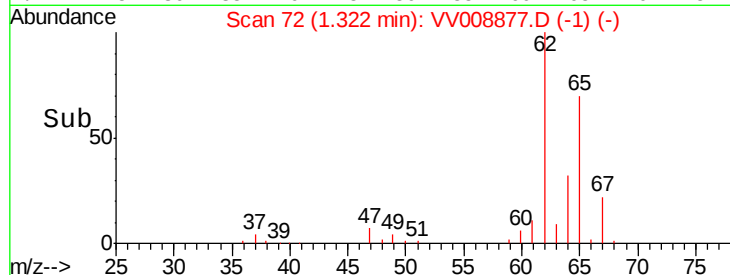
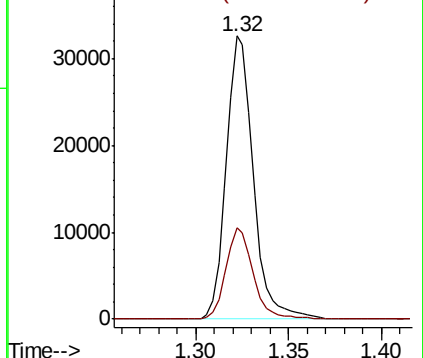
Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.228 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008877.D

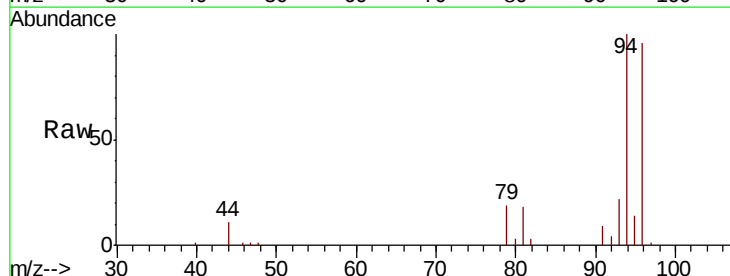
Acq: 07 Dec 2018 15:52

Tgt Ion: 94 Resp: 22022

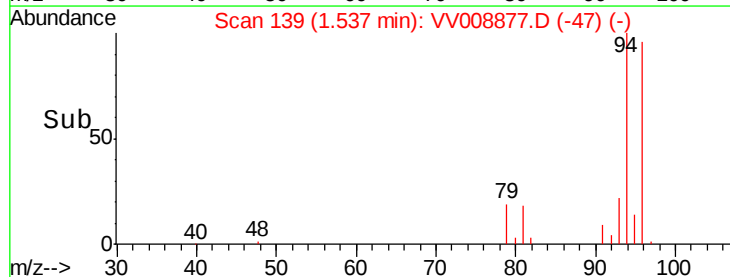
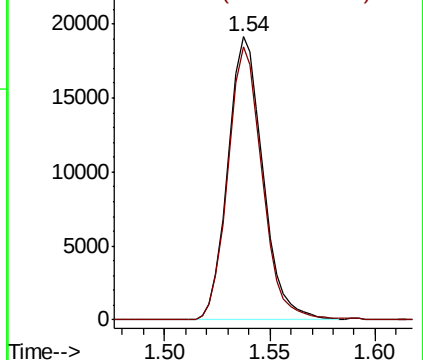
Ion Ratio Lower Upper

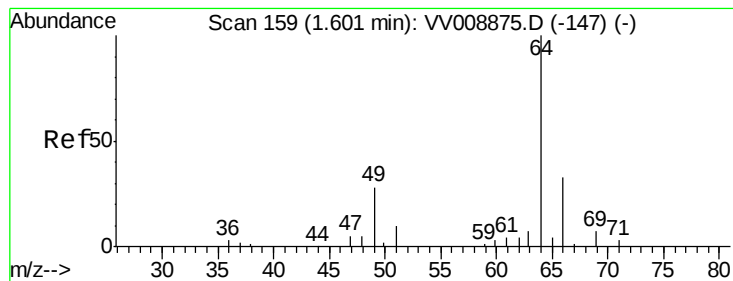
94 100

96 96.3 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.299 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

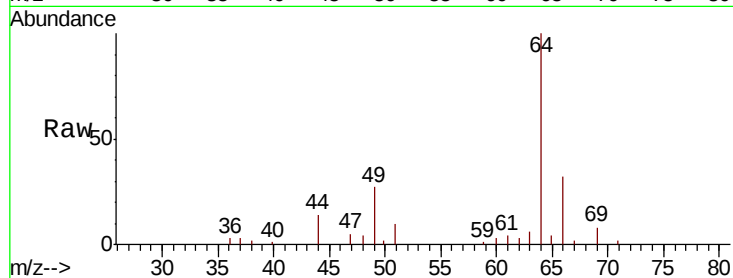
A4120

Tot Ion: 64 Resp: 17356

Ion Ratio Lower Upper

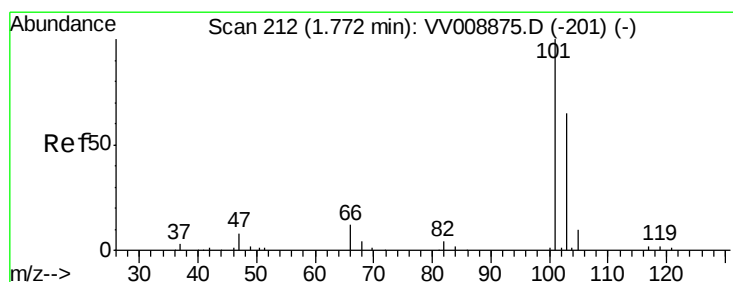
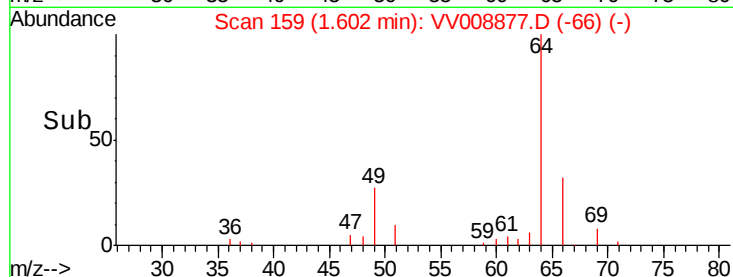
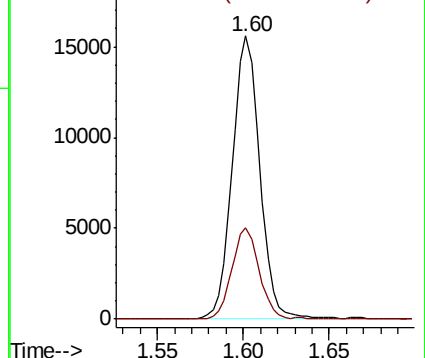
64 100

66 32.4 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VV008877.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV008877.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 9.190 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008877.D

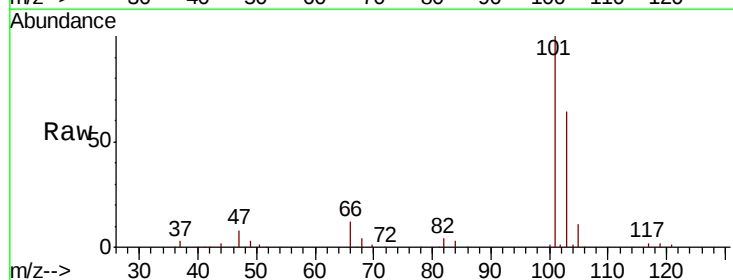
Acq: 07 Dec 2018 15:52

Tgt Ion:101 Resp: 106438

Ion Ratio Lower Upper

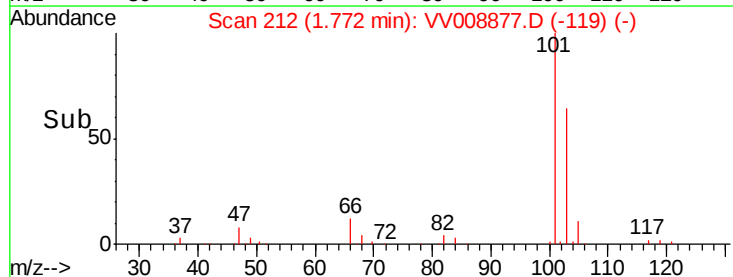
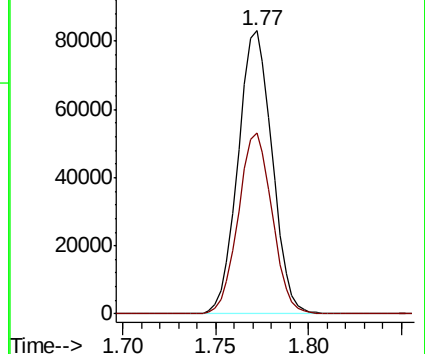
101 100

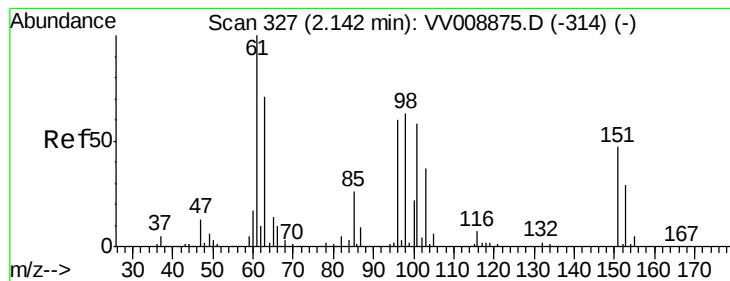
103 63.5 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV008877.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV008877.D (-201) (-)





#10

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

Concen: 4.950 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampled :

A4120

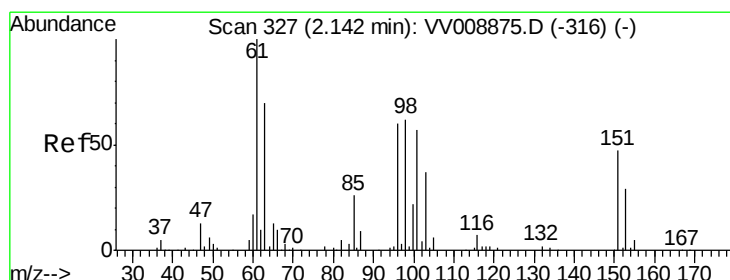
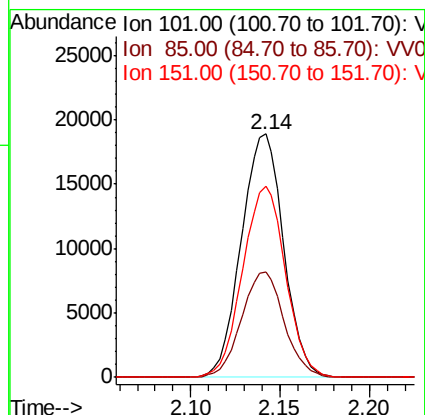
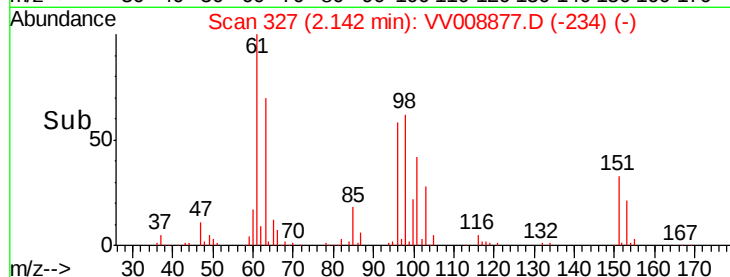
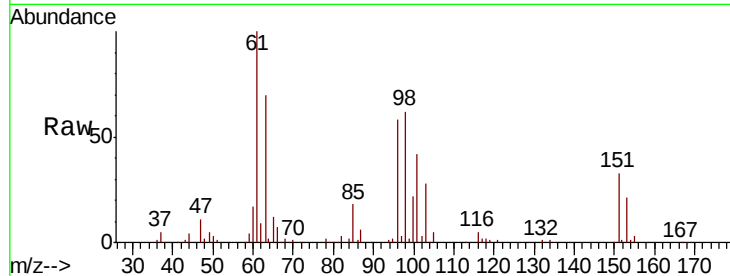
Tot Ion:101 Resp: 31191

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.6

151 79.7 65.1 97.7



#12

1,1-Dichloroethene

Concen: 6.704 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

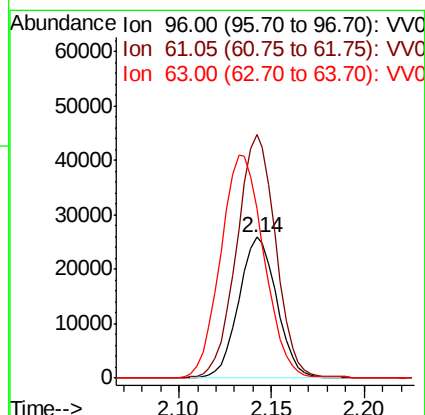
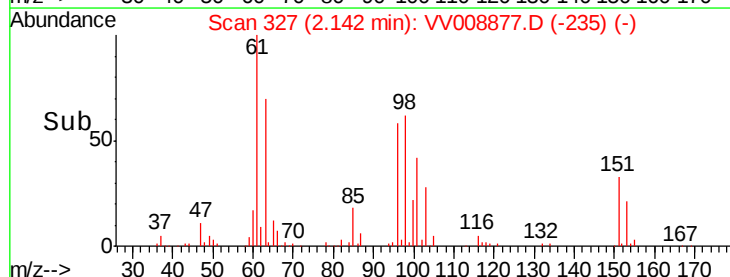
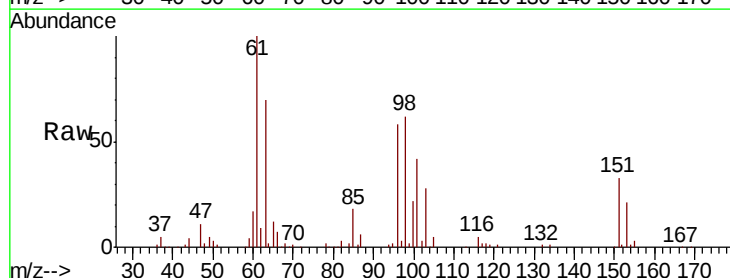
Tgt Ion: 96 Resp: 36808

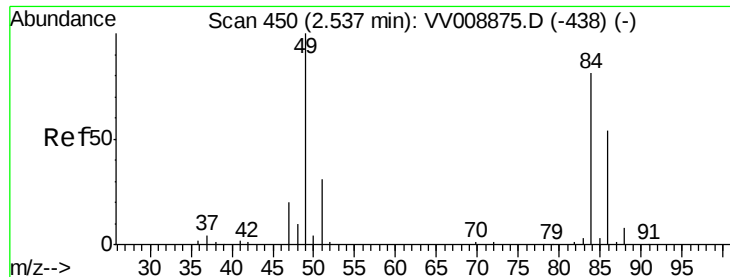
Ion Ratio Lower Upper

96 100

61 172.9 120.8 224.4

63 120.6 85.0 158.0

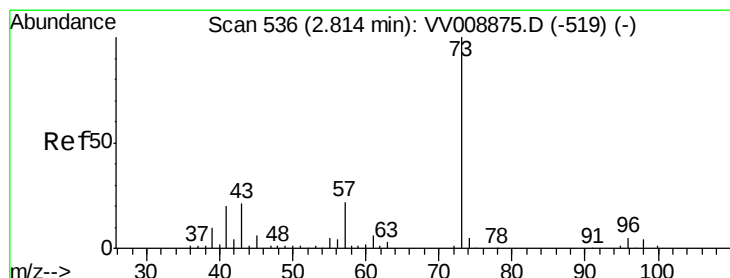
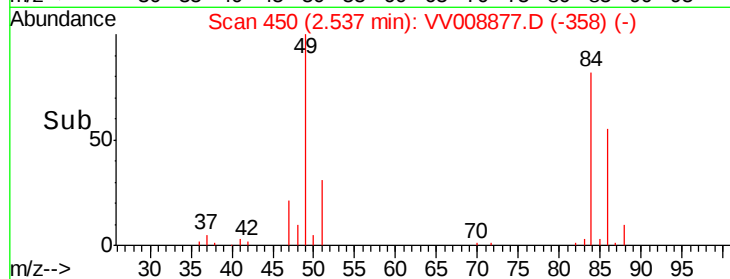
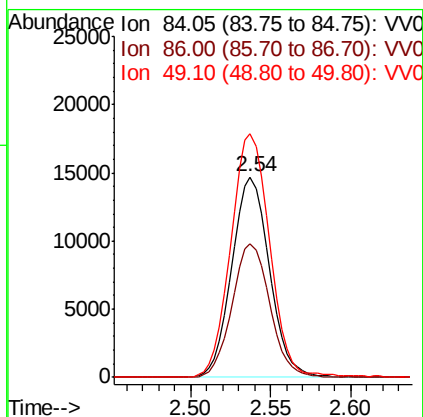
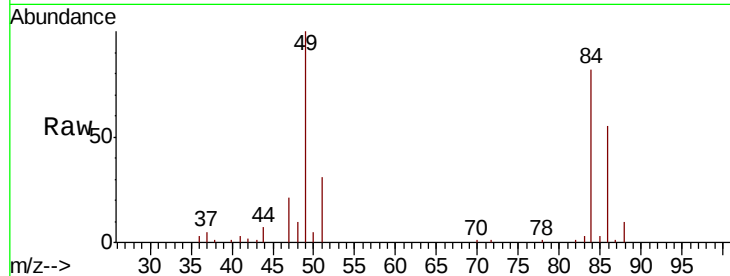




#16
Methvlene chloride
Concen: 3.968 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

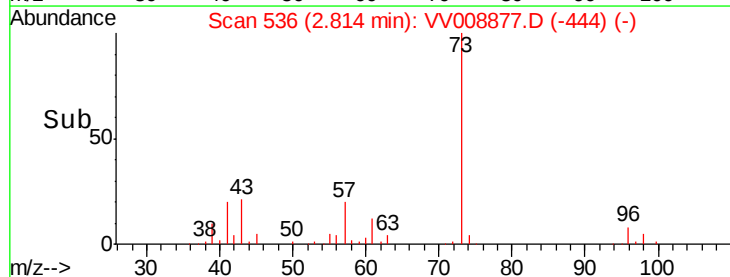
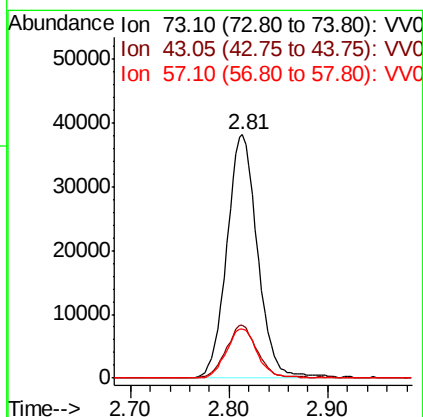
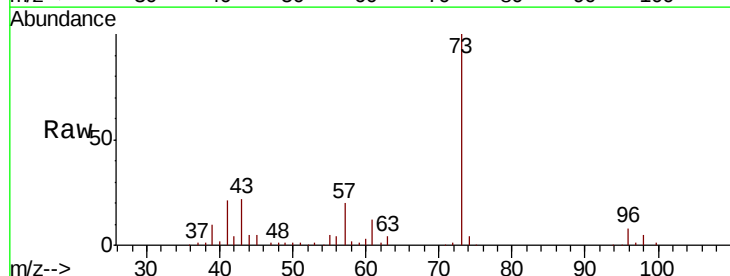
Instrument :
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ClientSampleId :
A4120

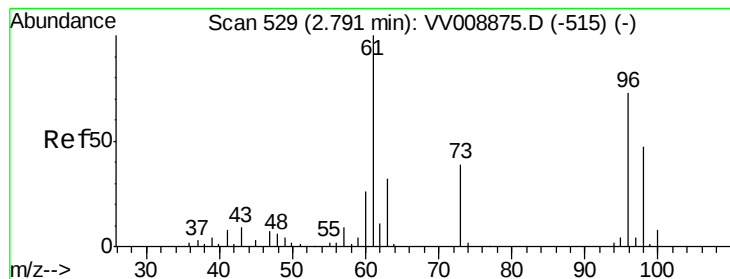
Tot Ion: 84 Resp: 23526
Ion Ratio Lower Upper
84 100
86 66.6 46.7 86.7
49 121.5 84.8 157.4



#17
Methyl tert-butyl Ether
Concen: 6.155 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 73 Resp: 82970
Ion Ratio Lower Upper
73 100
43 22.0 17.3 25.9
57 20.2 16.8 25.2





#18

trans-1,2-Dichloroethene

Concen: 7.420 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.01 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

A4120

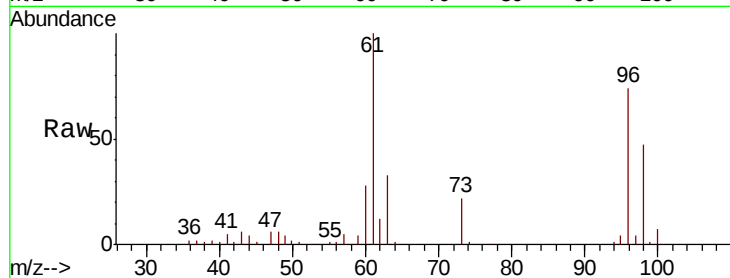
Tot Ion: 96 Resp: 44529

Ion Ratio Lower Upper

96 100

61 135.1 103.0 191.4

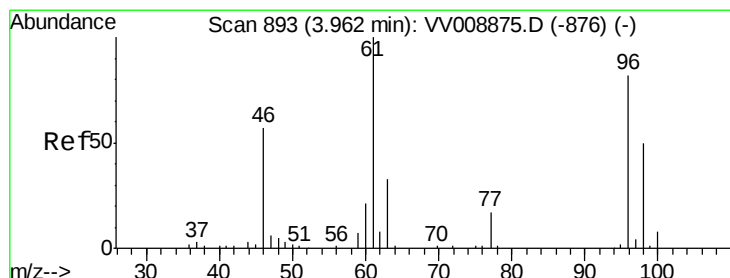
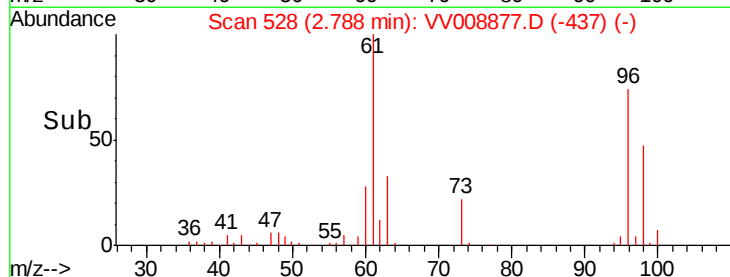
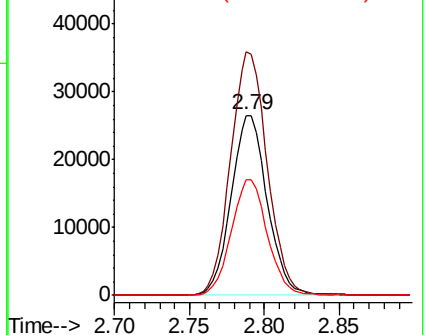
98 63.9 48.9 90.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 6.090 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

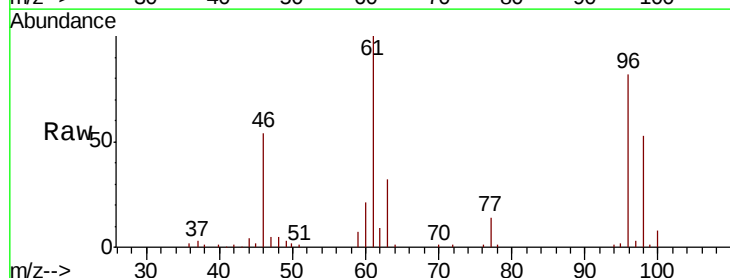
Tgt Ion: 96 Resp: 50031

Ion Ratio Lower Upper

96 100

61 122.0 83.2 154.6

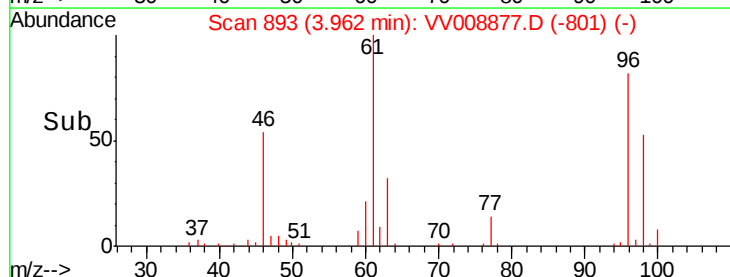
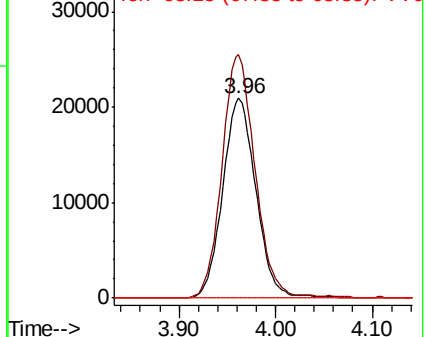
68 0.0 0.0 0.0

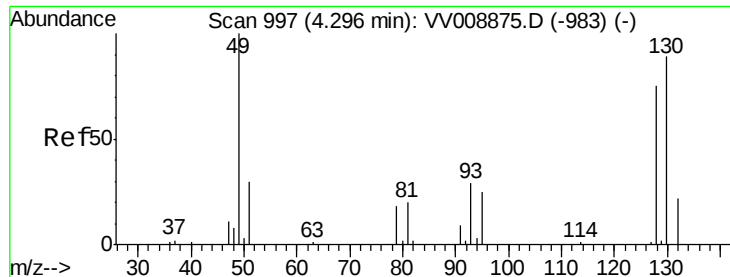


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

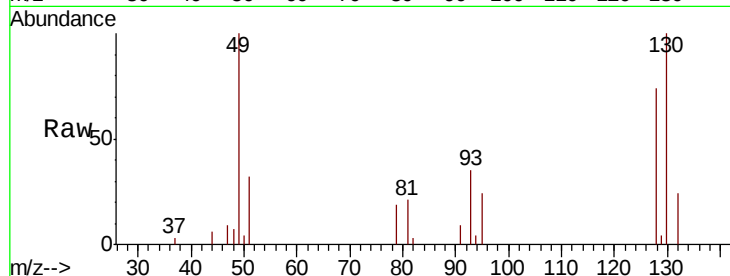




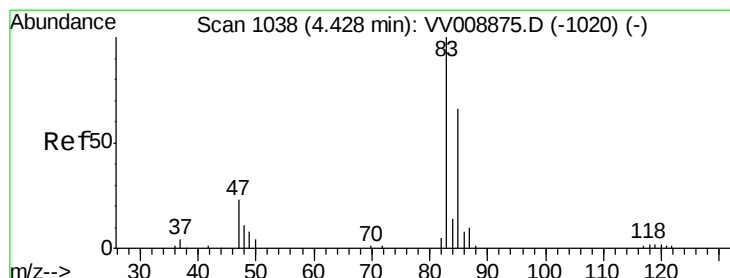
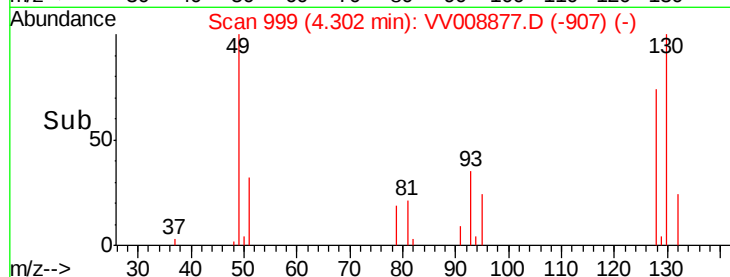
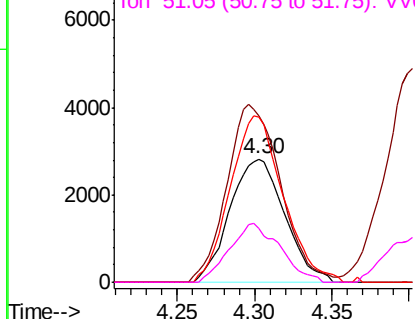
#23
Bromochloromethane
Concen: 1.998 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Instrument :
MSVOA_V
ClientSampleId :
A4120

Tot Ion:128 Resp: 6942
Ion Ratio Lower Upper
128 100
49 134.9 98.1 182.3
130 134.3 84.2 156.4
51 43.7 35.4 53.2

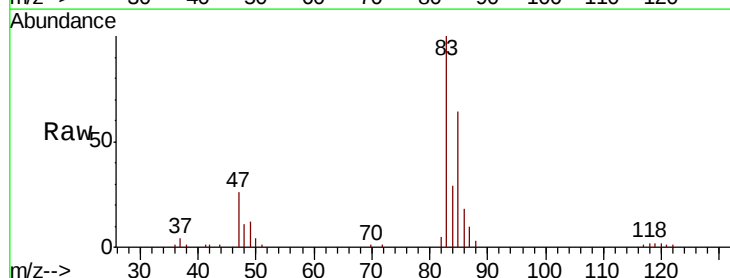


Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

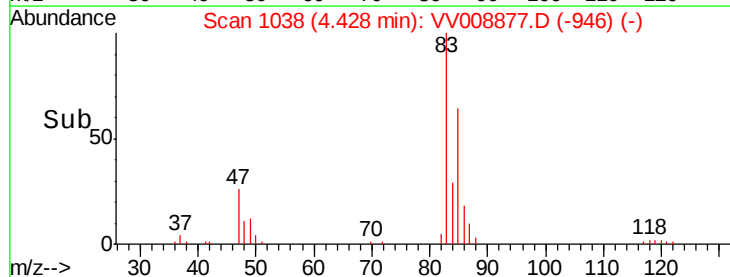
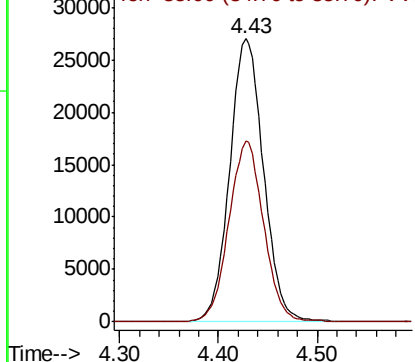


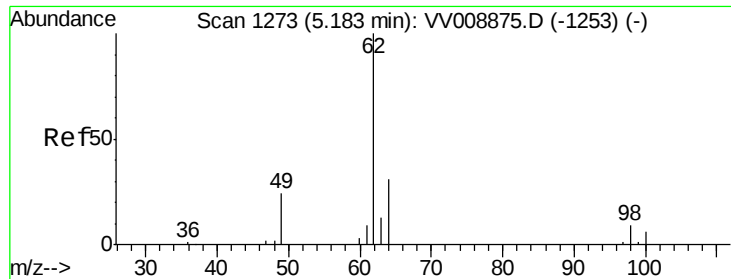
#25
Chloroform
Concen: 4.543 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV008877.D
Acq: 07 Dec 2018 15:52

Tgt Ion: 83 Resp: 64592
Ion Ratio Lower Upper
83 100
85 64.1 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 4.892 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

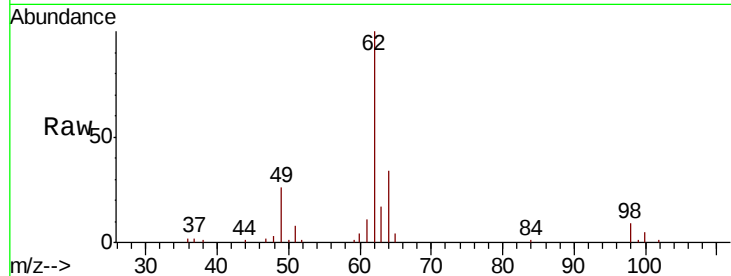
A4120

Tot Ion: 62 Resp: 39694

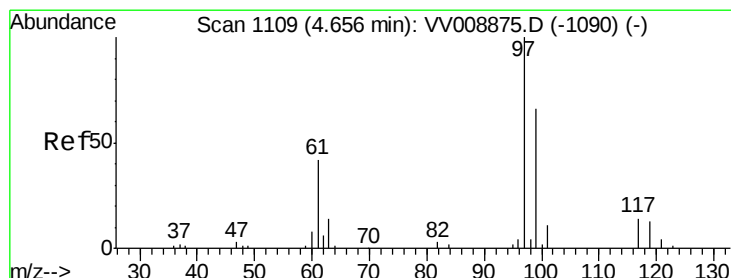
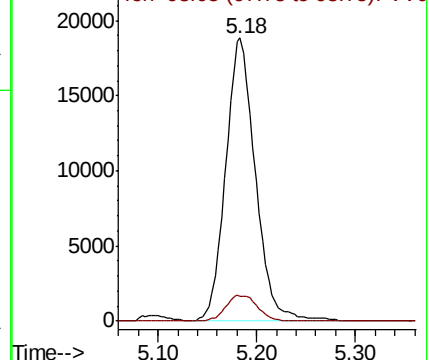
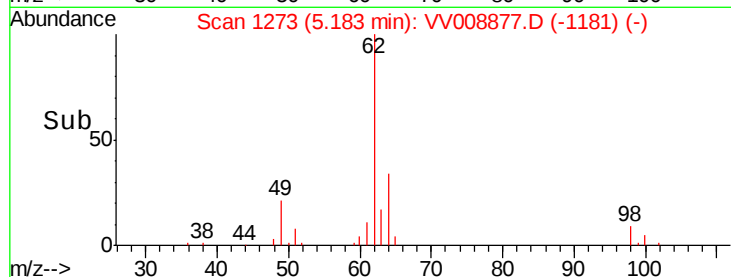
Ion Ratio Lower Upper

62 100

98 9.0 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VV008877.D (-1181) (-)



#29

1,1,1-Trichloroethane

Concen: 5.119 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

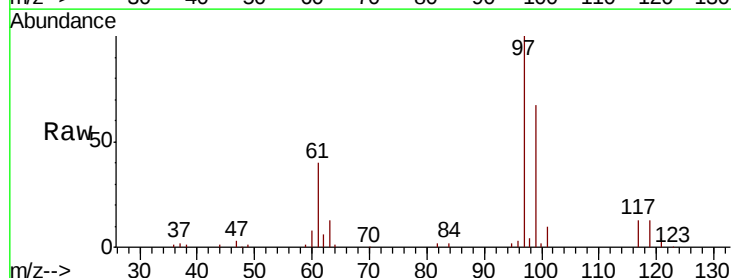
Tgt Ion: 97 Resp: 63498

Ion Ratio Lower Upper

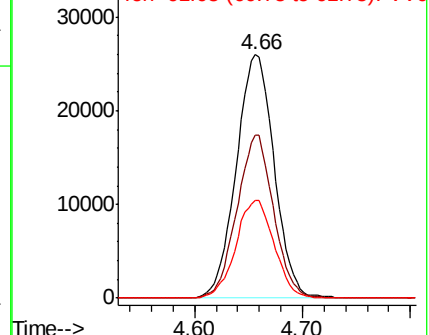
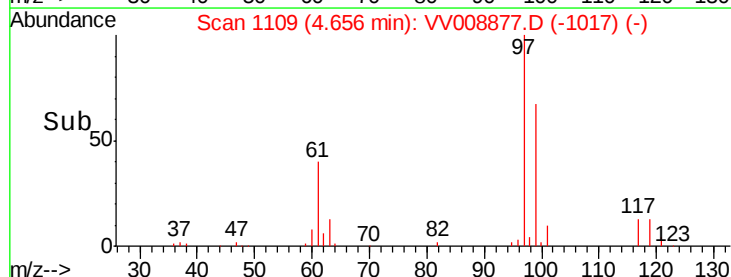
97 100

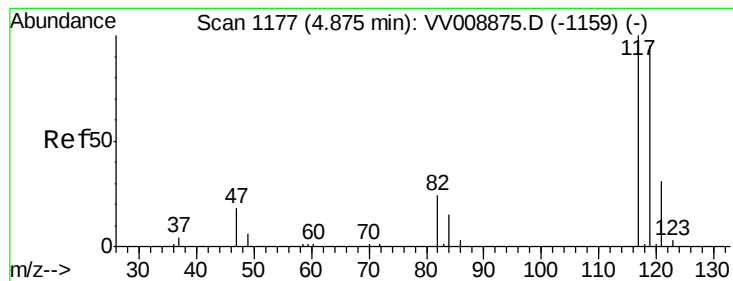
99 64.6 50.7 76.1

61 40.4 34.0 51.0



Abundance Ion 96.95 (96.65 to 97.65): VV008877.D (-1017) (-)





#31

Carbon tetrachloride

Concen: 5.071 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampled :

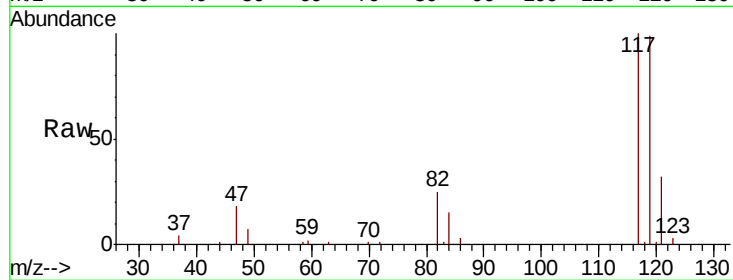
A4120

Tot Ion:117 Resp: 56625

Ion Ratio Lower Upper

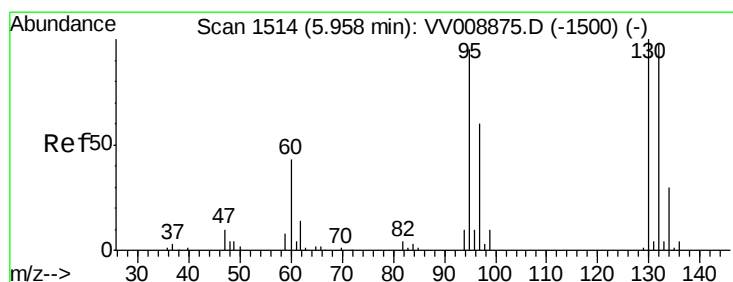
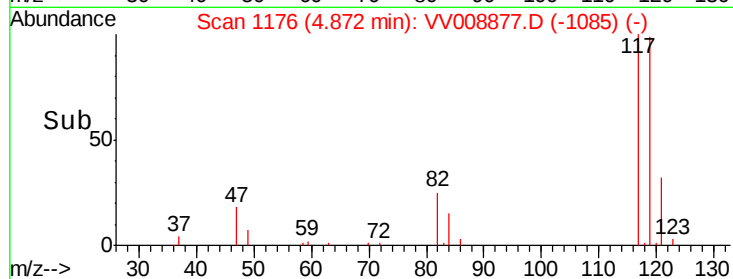
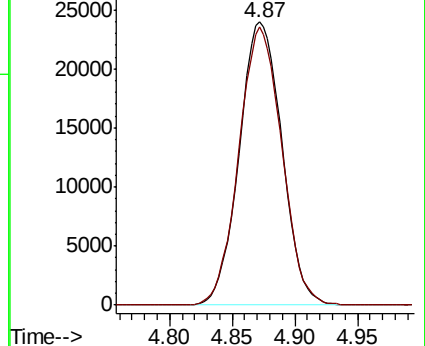
117 100

119 98.6 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 8.000 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Tgt Ion: 95 Resp: 69294

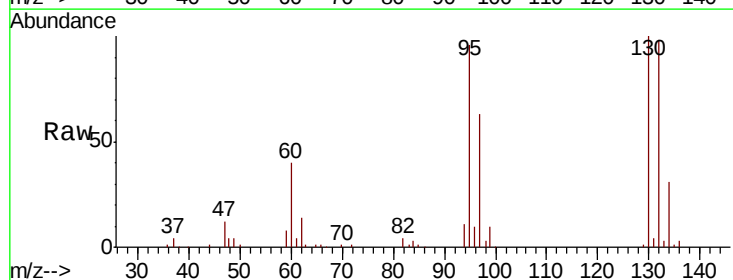
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.5

132 101.8 70.7 131.3

130 103.9 72.9 135.3

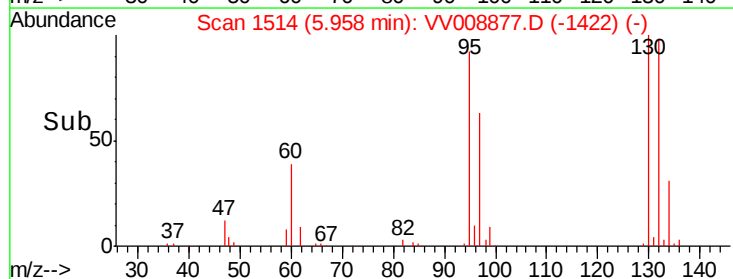
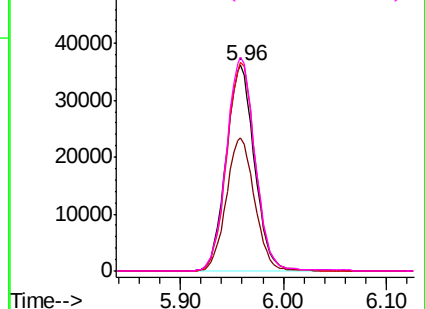


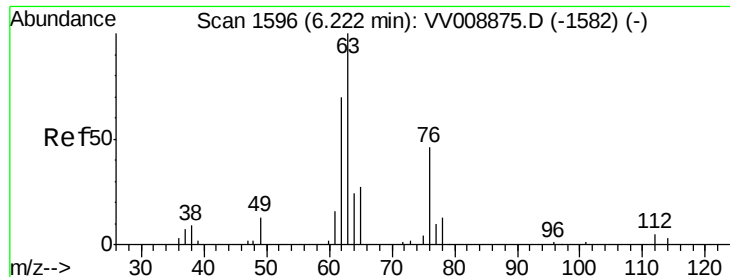
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#37

1,2-Dichloropropane

Concen: 4.776 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

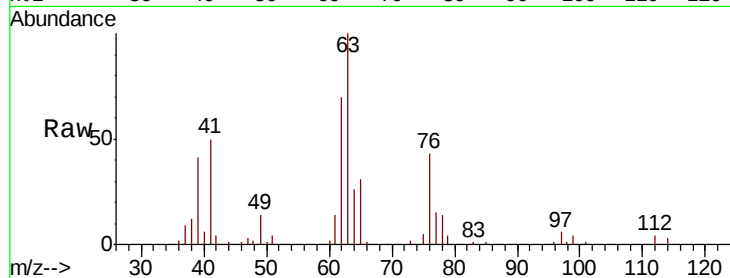
A4120

Tot Ion: 63 Resp: 34857

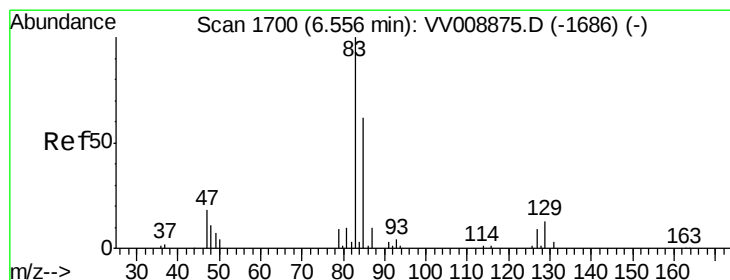
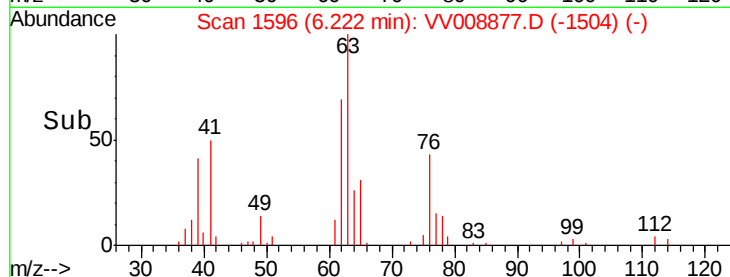
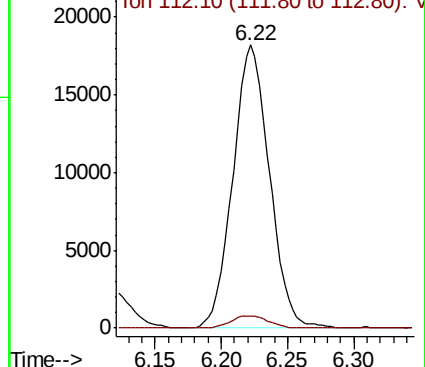
Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV008877.D (-1582) (-)



#38

Bromodichloromethane

Concen: 1.995 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

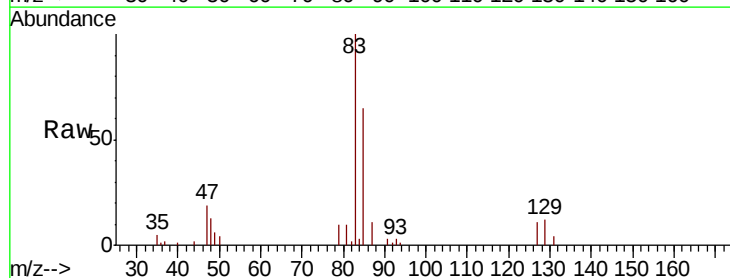
Tgt Ion: 83 Resp: 17920

Ion Ratio Lower Upper

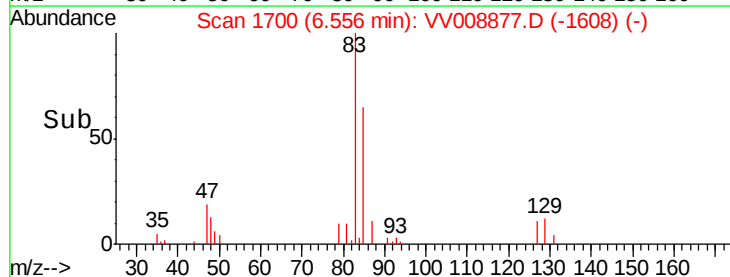
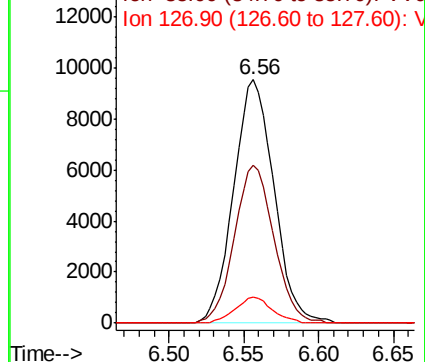
83 100

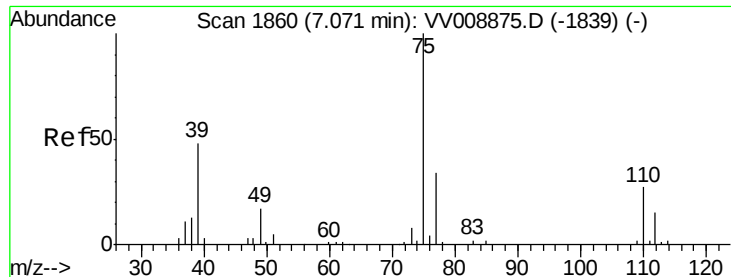
85 64.9 44.2 82.0

127 10.8 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VV008877.D (-1686) (-)

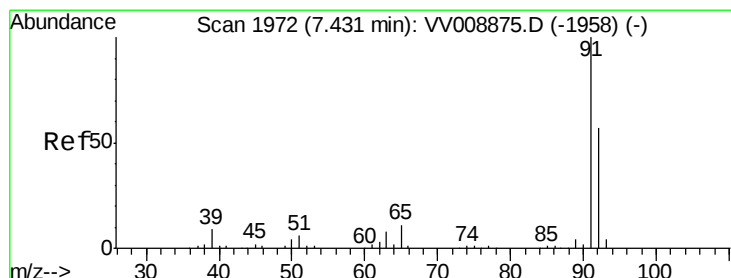
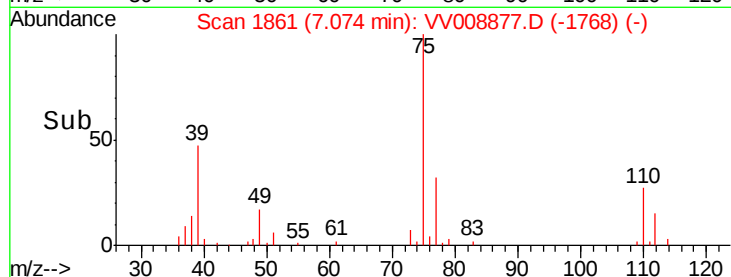
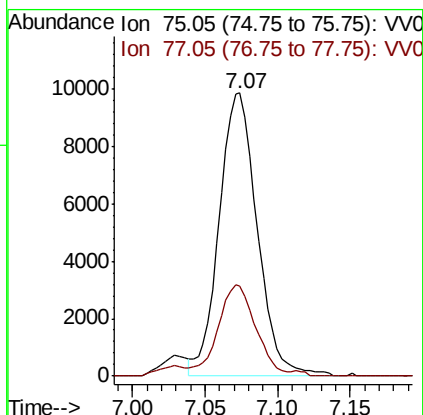
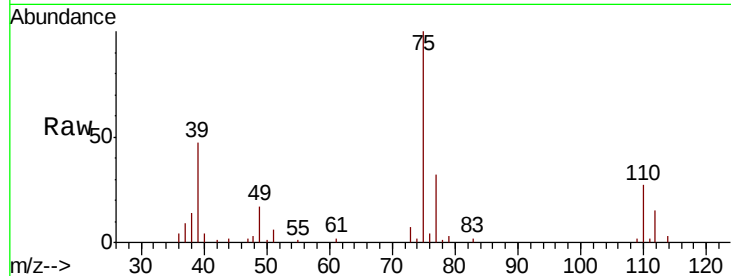




#39
 cis-1,3-Dichloropropene
 Concen: 1.764 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008877.D
 Acq: 07 Dec 2018 15:52

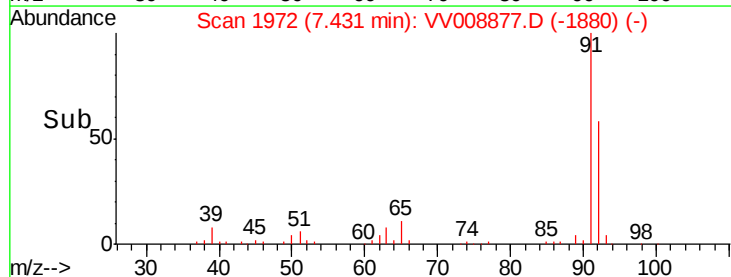
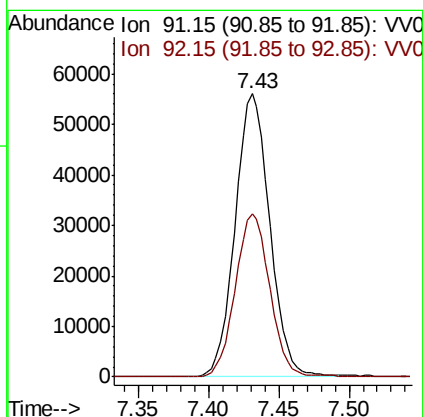
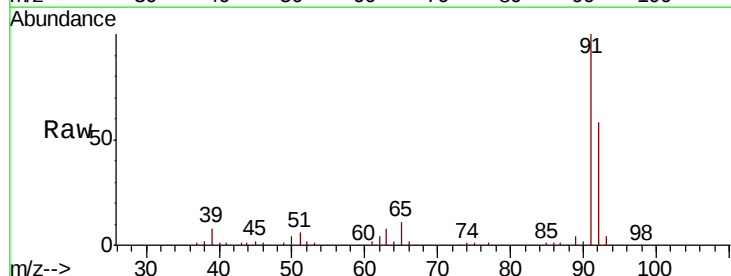
Instrument :
 MSVOA_V
 ClientSampled :
 A4120

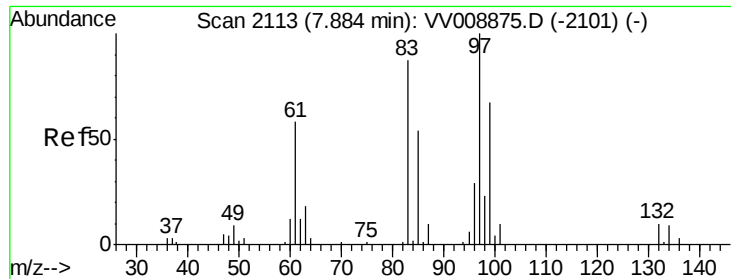
Tot Ion: 75 Resp: 18043
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#42
 Toluene
 Concen: 3.005 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VV008877.D
 Acq: 07 Dec 2018 15:52

Tgt Ion: 91 Resp: 96597
 Ion Ratio Lower Upper
 91 100
 92 57.7 40.9 76.0

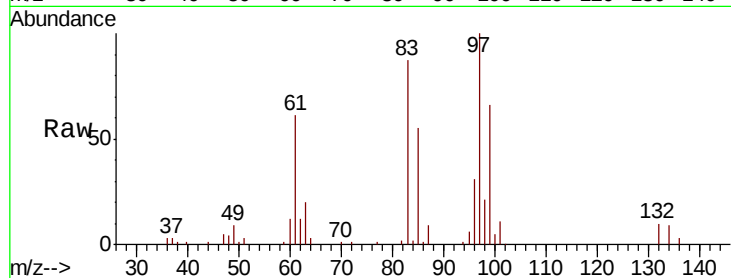




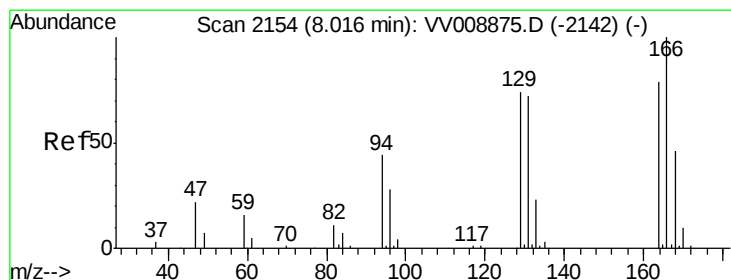
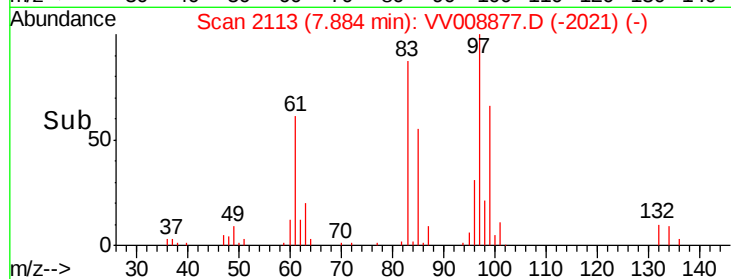
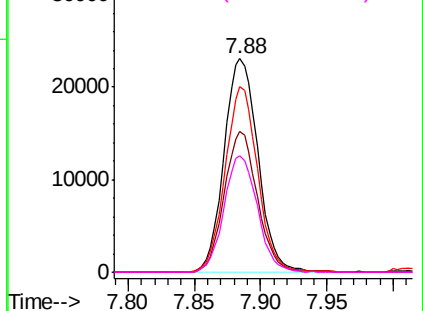
#45
 1,1,2-Trichloroethane
 Concen: 8.013 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV008877.D
 Acq: 07 Dec 2018 15:52

Instrument :
 MSVOA_V
 ClientSampleId :
 A4120

Tot Ion:	97	Resp:	41063
Ion	Ratio	Lower	Upper
97	100		
99	65.9	43.3	80.3
83	86.9	59.4	110.2
85	54.6	38.5	71.5

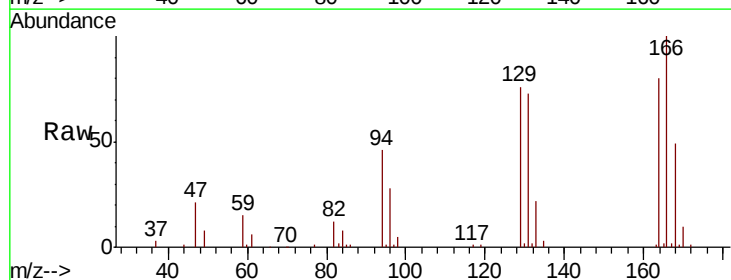


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

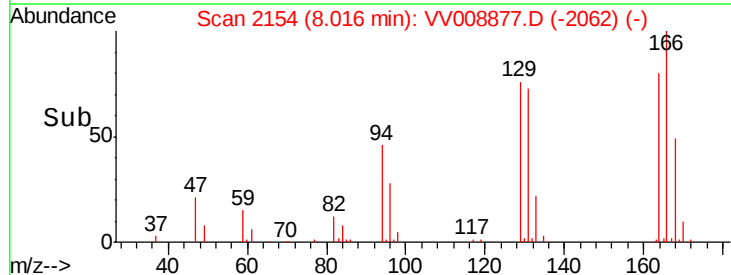
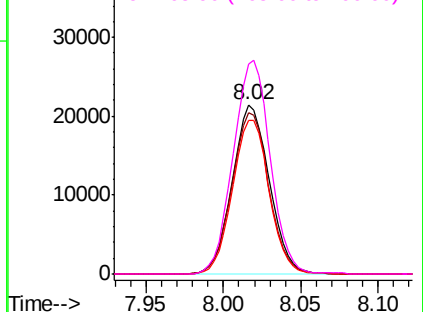


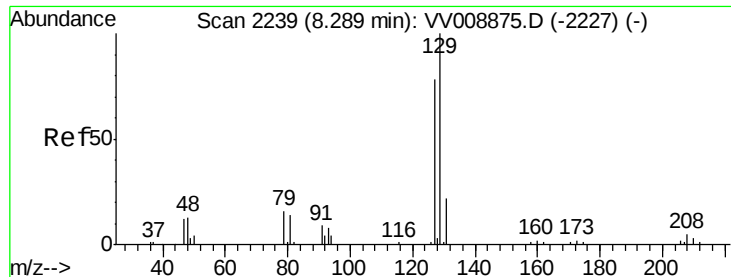
#47
 Tetrachloroethene
 Concen: 5.122 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV008877.D
 Acq: 07 Dec 2018 15:52

Tgt Ion:	164	Resp:	35596
Ion	Ratio	Lower	Upper
164	100		
129	95.3	68.8	127.8
131	90.8	64.8	120.4
166	124.6	91.5	169.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





#49

Dibromochloromethane

Concen: 5.718 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

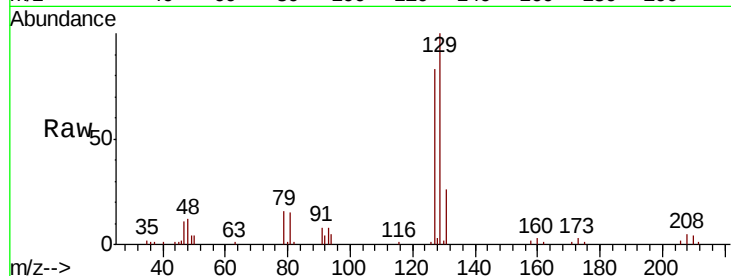
A4120

Tot Ion:129 Resp: 34270

Ion Ratio Lower Upper

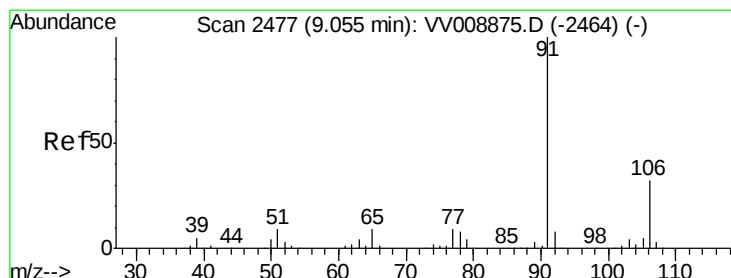
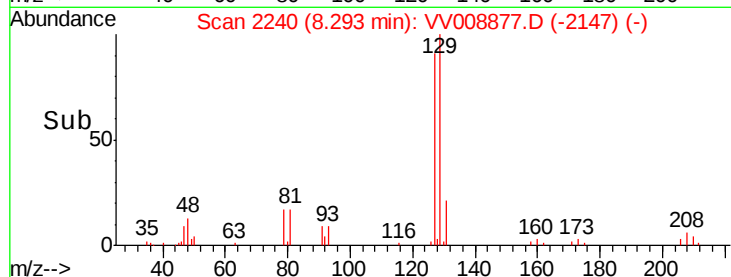
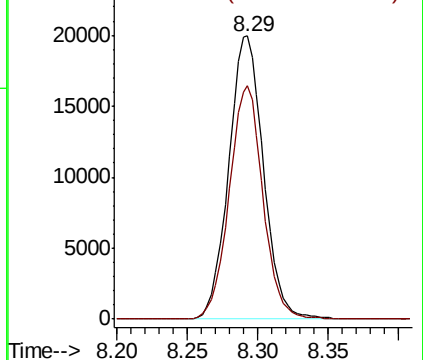
129 100

127 82.5 54.0 100.4



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#52

Ethylbenzene

Concen: 10.100 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV008877.D

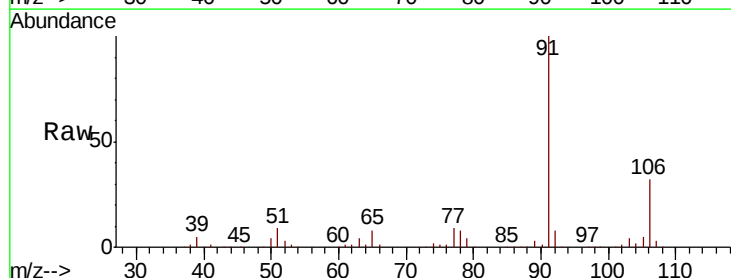
Acq: 07 Dec 2018 15:52

Tgt Ion: 91 Resp: 354487

Ion Ratio Lower Upper

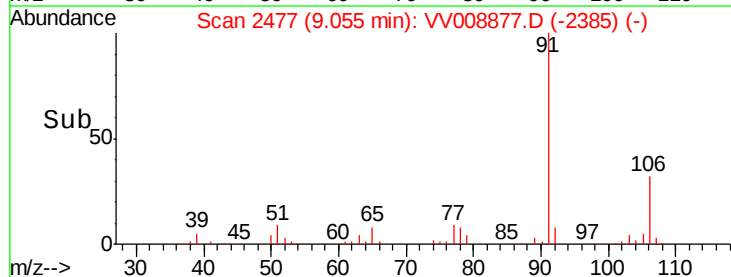
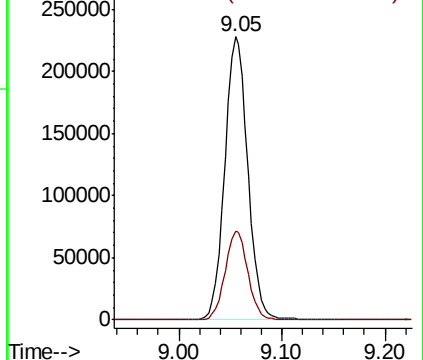
91 100

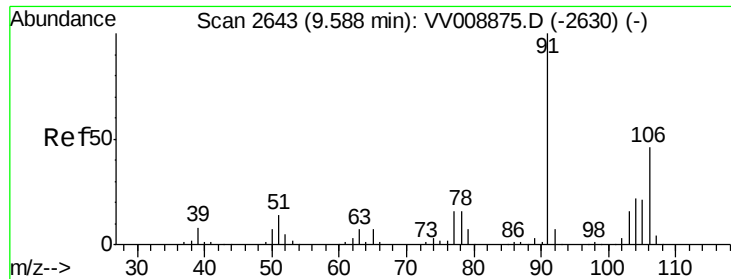
106 31.5 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V





#54

o-xylene

Concen: 3.064 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

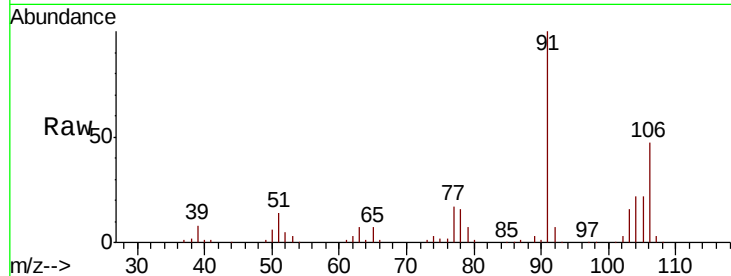
A4120

Tot Ion:106 Resp: 39177

Ion Ratio Lower Upper

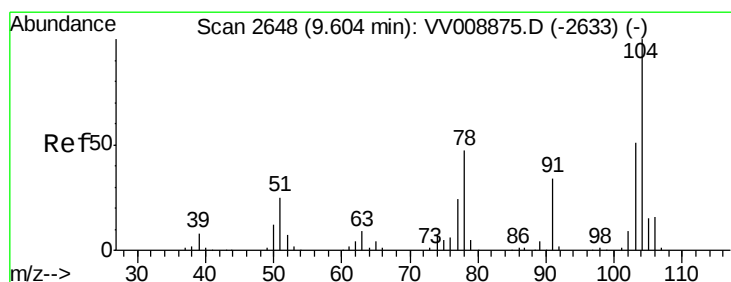
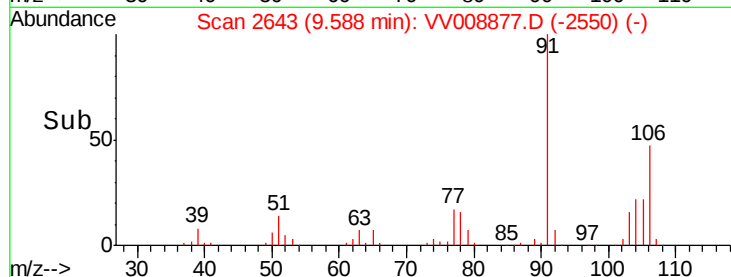
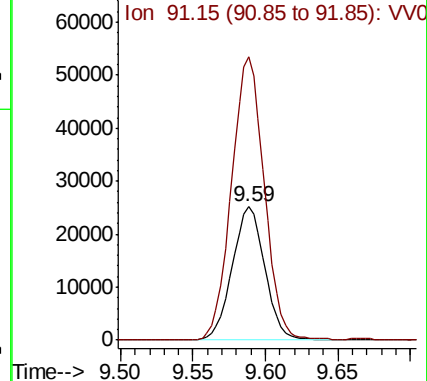
106 100

91 212.1 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 3.134 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV008877.D

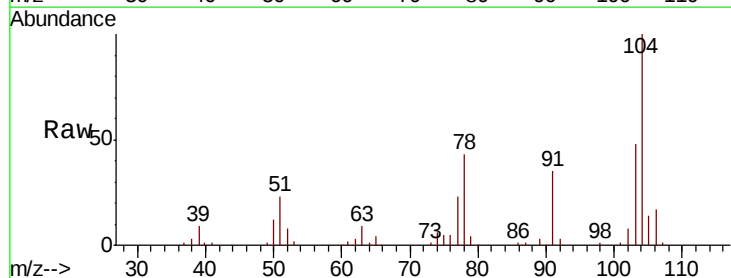
Acq: 07 Dec 2018 15:52

Tgt Ion:104 Resp: 66303

Ion Ratio Lower Upper

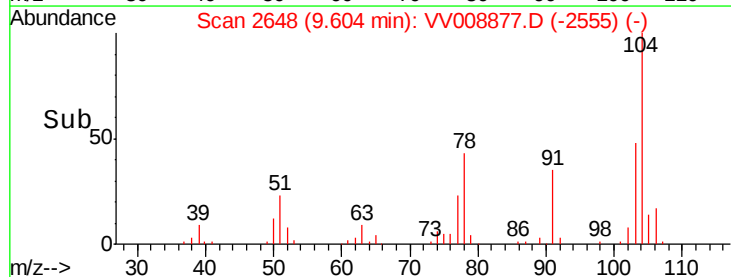
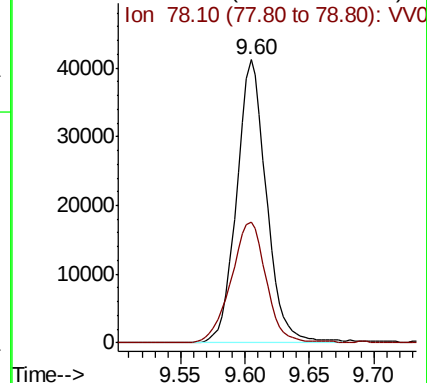
104 100

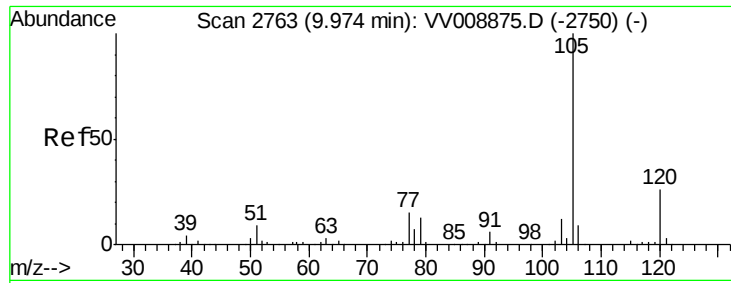
78 42.7 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 7.332 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampleId :

A4120

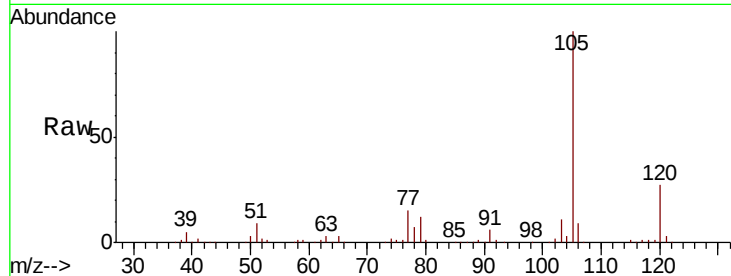
Tot Ion:105 Resp: 253652

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

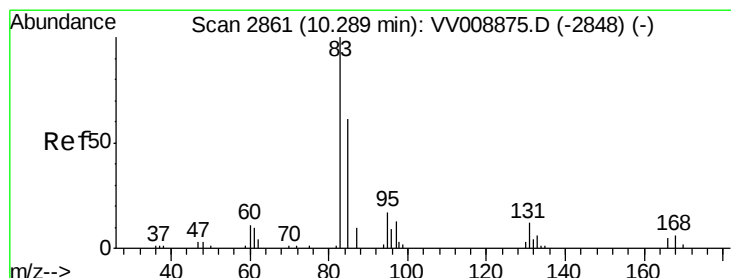
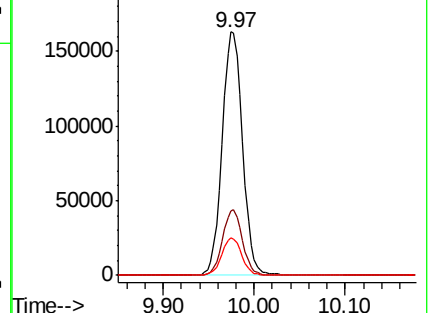
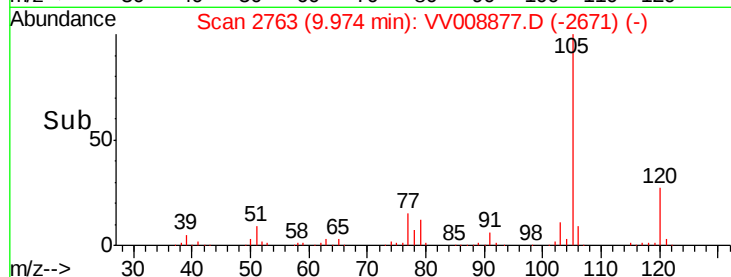
77 15.2 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.520 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

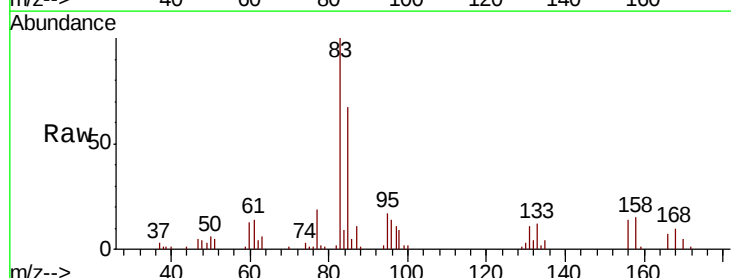
Tgt Ion: 83 Resp: 23374

Ion Ratio Lower Upper

83 100

85 67.4 45.8 85.0

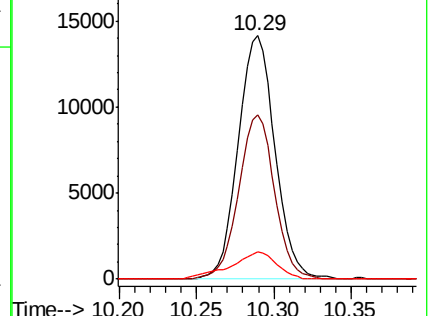
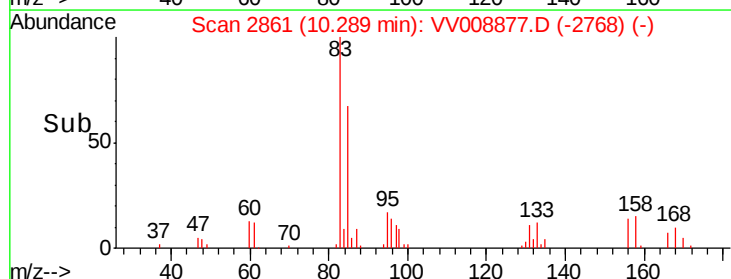
131 11.0 9.6 14.4

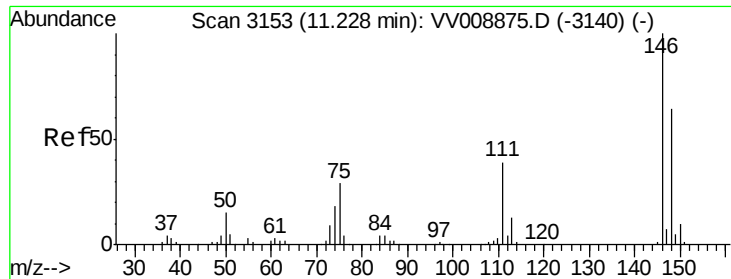


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

1,3-Dichlorobenzene

Concen: 2.074 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

Instrument :

MSVOA_V

ClientSampled :

A4120

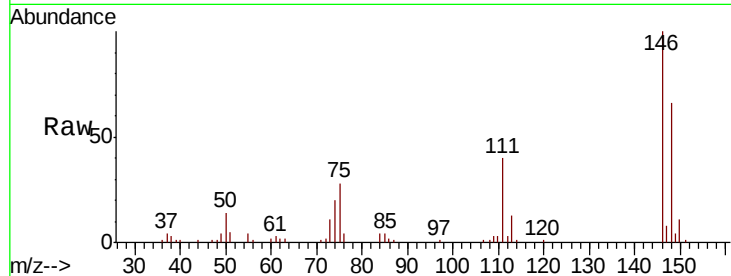
Tot Ion:146 Resp: 33383

Ion Ratio Lower Upper

146 100

111 39.9 28.5 52.9

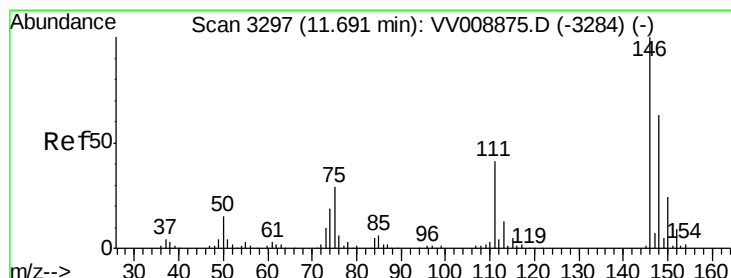
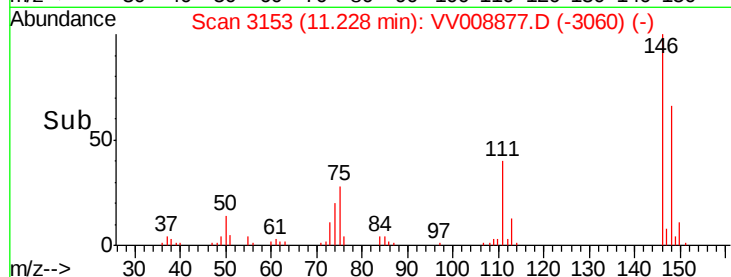
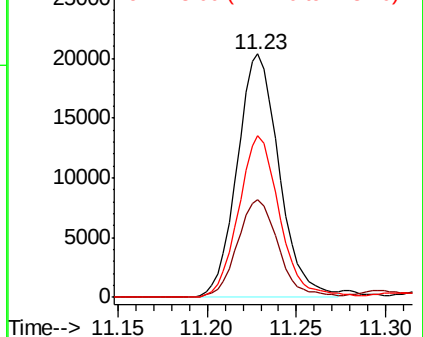
148 66.5 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.043 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV008877.D

Acq: 07 Dec 2018 15:52

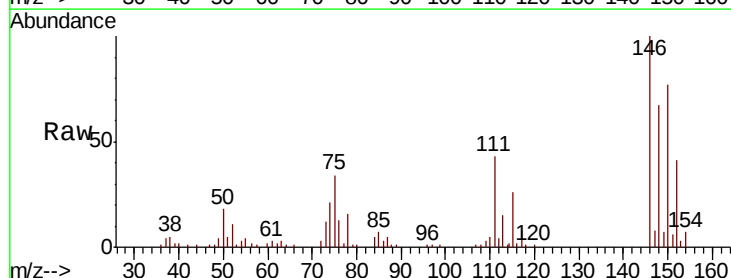
Tgt Ion:146 Resp: 30380

Ion Ratio Lower Upper

146 100

111 43.2 33.8 50.6

148 67.2 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

