

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100218\
 Data File : VV008027.D
 Acq On : 02 Oct 2018 13:09
 Operator : SY/MD
 Sample : J5160-20
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 03 05:35:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 03 05:34:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	88762	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	84833	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46497	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22790	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.59	69	19830	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.14	63	54194	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.80%
20) 2-Butanone-d5	3.97	46	66569	46.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.02%
24) Chloroform-d	4.41	84	54385	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.09	65	27500	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	101867	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.13	67	31788	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.36	98	95503	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.67	79	11447	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.14	63	47767	43.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.54%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23440	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	40828	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	16730	2.247	ug/L 97
3) Chloromethane	1.25	50	44378	6.700	ug/L 97
5) Vinyl chloride	1.32	62	34224	4.826	ug/L 97
6) Bromomethane	1.54	94	22294	5.097	ug/L 97
8) Chloroethane	1.60	64	19845	4.640	ug/L 98
9) Trichlorofluoromethane	1.77	101	107599	9.295	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	29178	4.444	ug/L 98
12) 1,1-Dichloroethene	2.14	96	35462	6.044	ug/L 93
16) Methylene chloride	2.54	84	22862	3.507	ug/L 95
17) Methyl tert-butyl Ether	2.82	73	75236	5.190	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	42139	6.515	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	43204	6.597	ug/L 99
23) Bromochloromethane	4.31	128	6292	2.209	ug/L 96
25) Chloroform	4.44	83	58280	4.883	ug/L 99
27) 1,2-Dichloroethane	5.19	62	38465	5.008	ug/L 98
29) 1,1,1-Trichloroethane	4.67	97	56420	5.531	ug/L 100
31) Carbon tetrachloride	4.88	117	49884	5.547	ug/L 98

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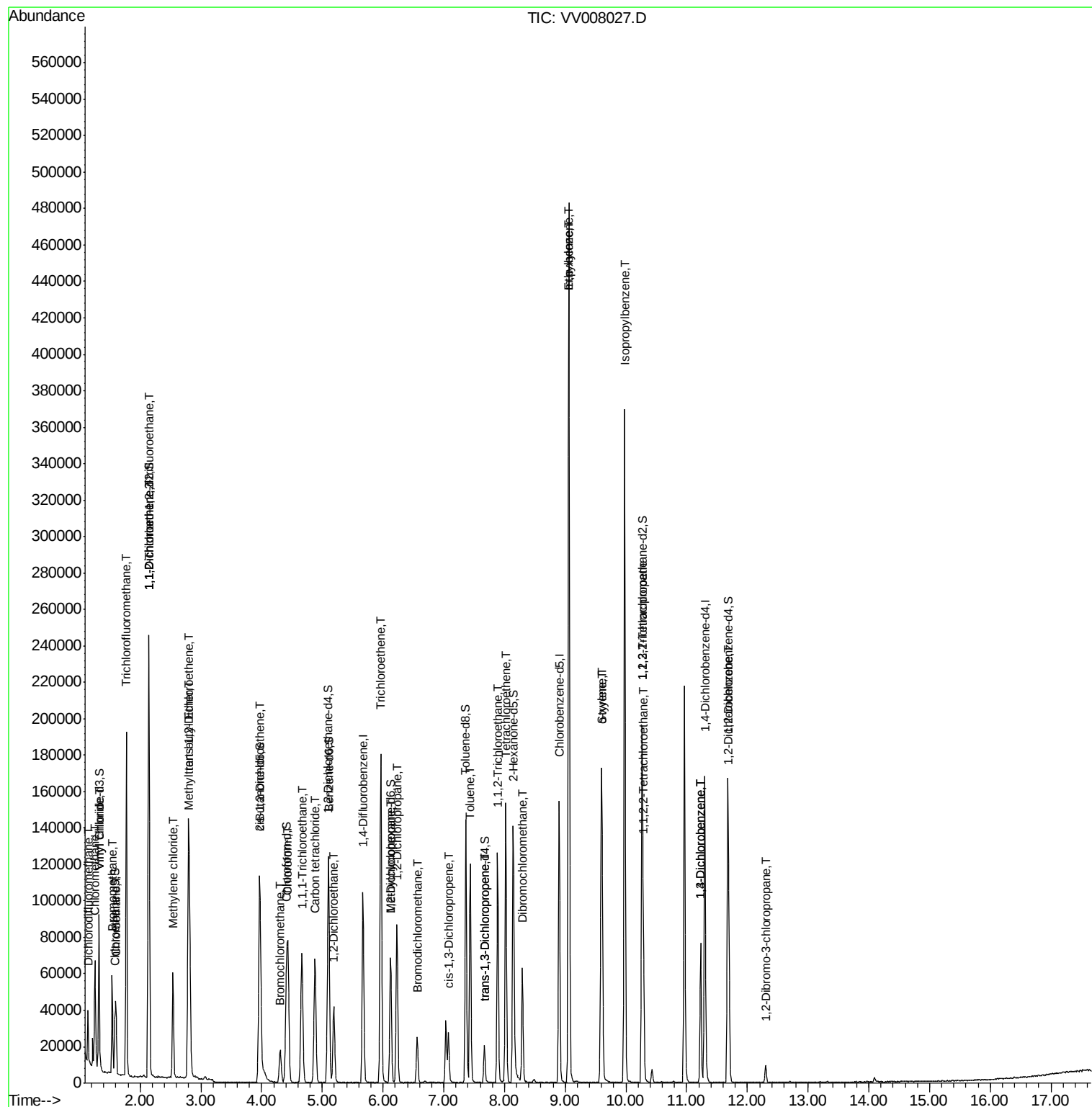
34) Trichloroethene	5.96	95	58495	8.410	ug/L	94
35) Methylcyclohexane	6.13	83	7679	0.736	ug/L #	18
37) 1,2-Dichloropropane	6.23	63	32489	5.235	ug/L	99
38) Bromodichloromethane	6.56	83	16092	2.169	ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	15395	1.855	ug/L	94
42) Toluene	7.43	91	85726	3.241	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	657	0.095	ug/L #	79
45) 1,1,2-Trichloroethane	7.89	97	38022	8.490	ug/L	99
47) Tetrachloroethene	8.02	164	35668	5.534	ug/L	98
49) Dibromochloromethane	8.30	129	31632	6.187	ug/L	99
52) Ethylbenzene	9.06	91	324815	11.007	ug/L	99
53) m,p-xylene	9.06	106	102239	9.098	ug/L #	23
54) o-xylene	9.59	106	34393	3.169	ug/L	98
55) Styrene	9.61	104	59254	3.197	ug/L	100
56) Isopropylbenzene	9.98	105	230565	7.843	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	25735	4.893	ug/L	97
59) 1,2,3-Trichloropropane	10.27	75	4695	1.216	ug/L #	1
62) 1,3-Dichlorobenzene	11.23	146	33233	2.165	ug/L	98
63) 1,4-Dichlorobenzene	11.23	146	33233	2.082	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	30744	2.125	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.30	75	222	0.301	ug/L #	1

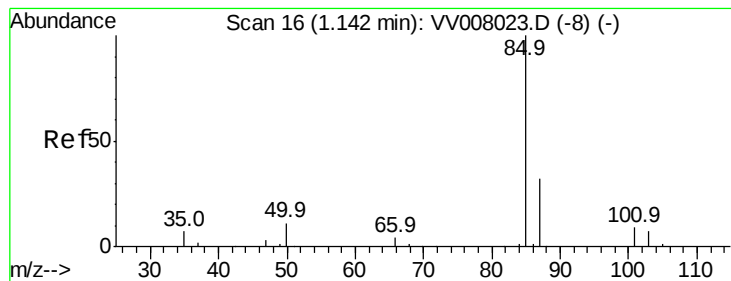
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#2

Dichlorodifluoromethane

Concen: 2.247 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

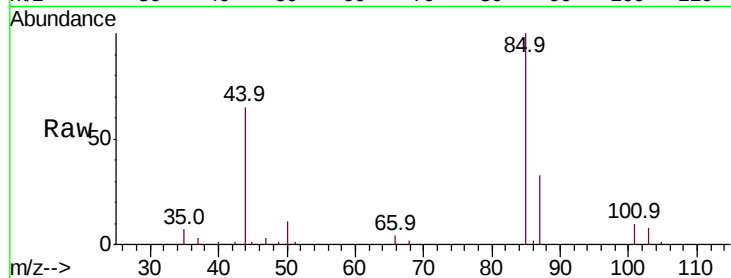
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 16730

Ion Ratio Lower Upper

85 100

87 29.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV008023.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008023.D (-8) (-)

1.14

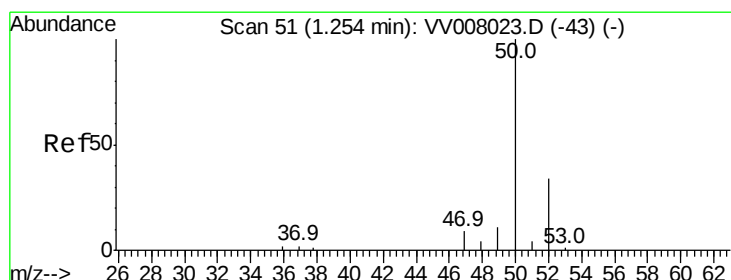
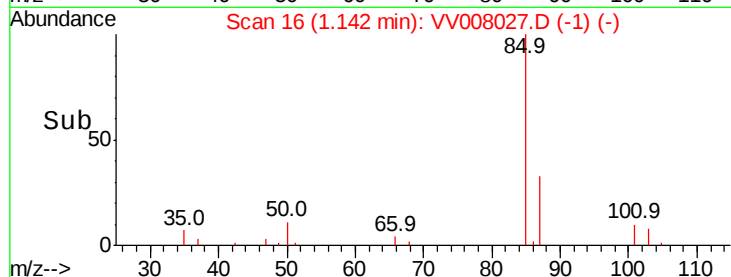
15000

10000

5000

0

Time-->



#3

Chloromethane

Concen: 6.700 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008027.D

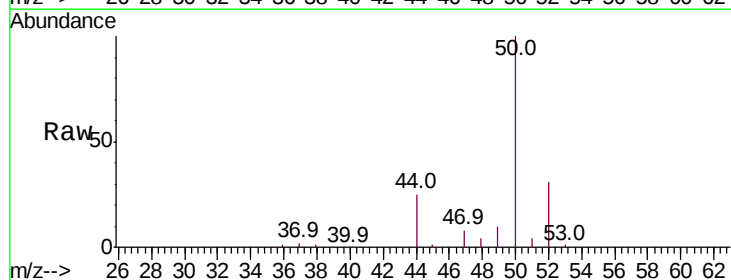
Acq: 02 Oct 2018 13:09

Tgt Ion: 50 Resp: 44378

Ion Ratio Lower Upper

50 100

52 31.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV008023.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008023.D (-43) (-)

1.25

40000

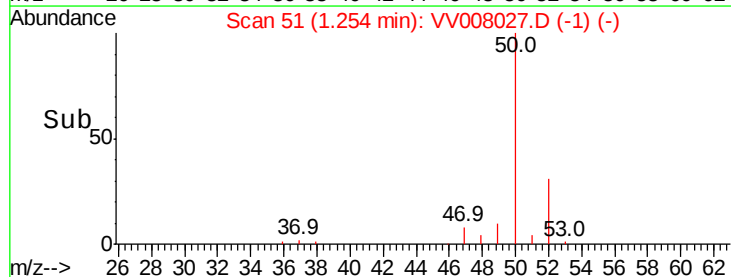
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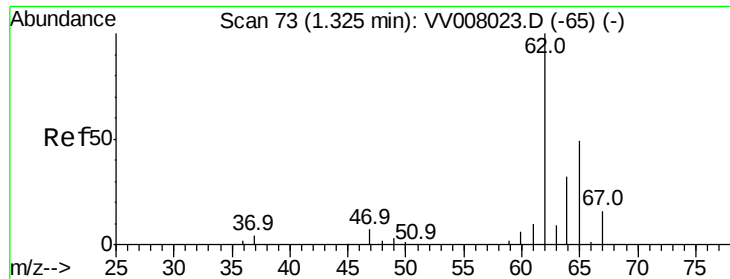
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 4.826 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

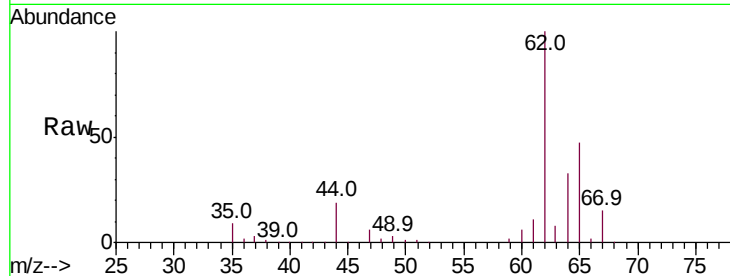
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 34224

Ion Ratio Lower Upper

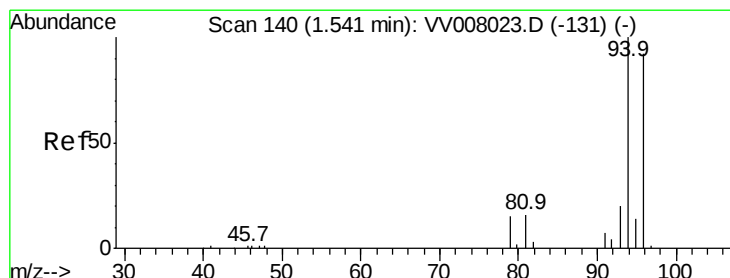
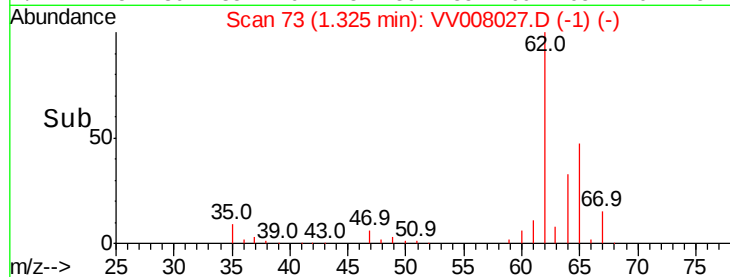
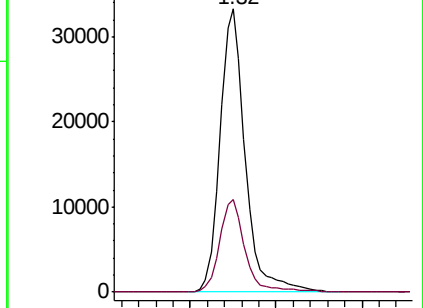
62 100

64 32.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV008027.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008027.D (-65) (-)



#6

Bromomethane

Concen: 5.097 ug/L

RT: 1.54 min Scan# 140

Delta R.T. -0.00 min

Lab File: VV008027.D

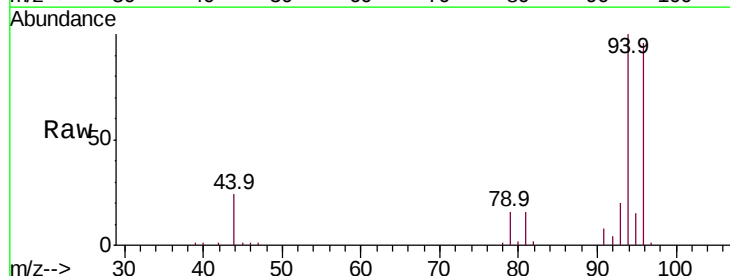
Acq: 02 Oct 2018 13:09

Tgt Ion: 94 Resp: 22294

Ion Ratio Lower Upper

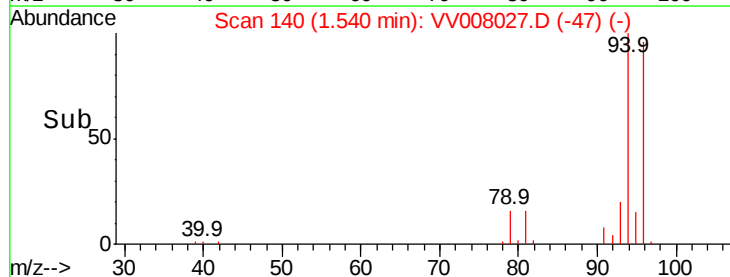
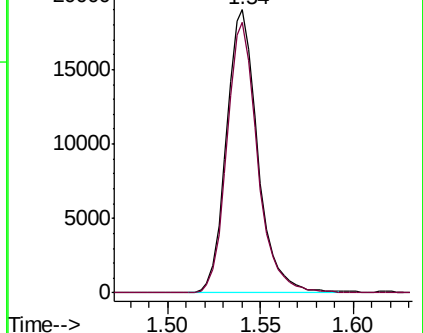
94 100

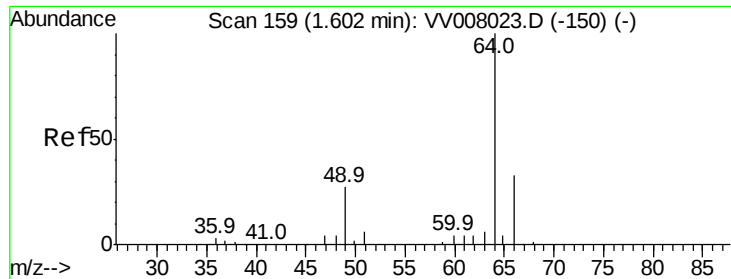
96 95.7 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV008027.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008027.D (-131) (-)





#8

Chloroethane

Concen: 4.640 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

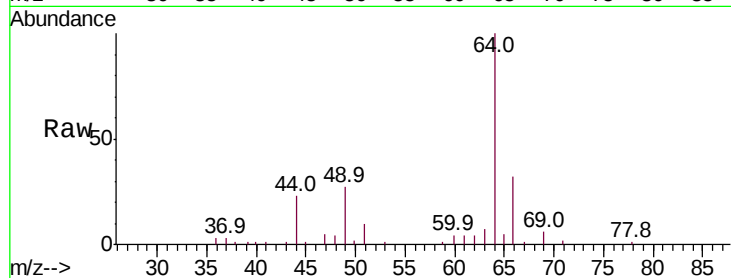
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 19845

Ion Ratio Lower Upper

64 100

66 32.1 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VV008027.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008027.D (-150) (-)

20000

15000

10000

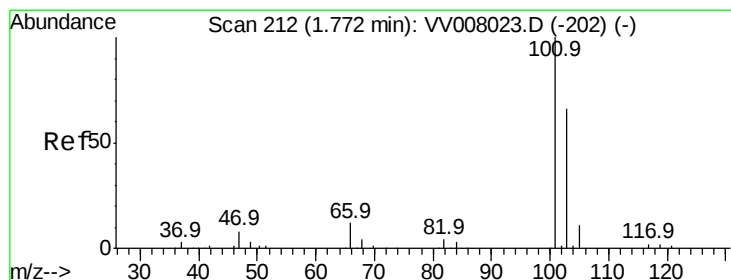
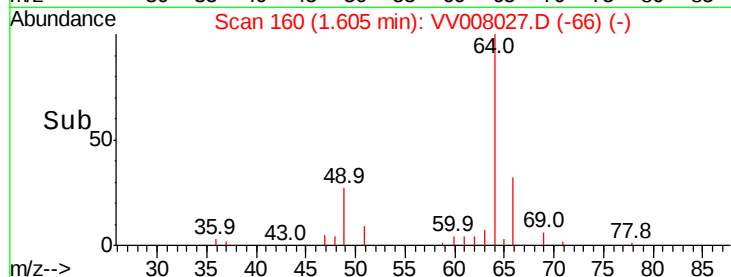
5000

0

1.60

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 9.295 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV008027.D

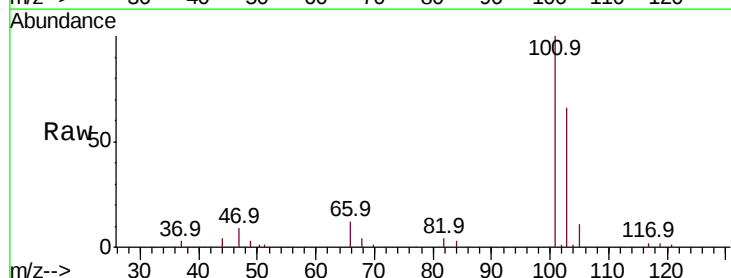
Acq: 02 Oct 2018 13:09

Tgt Ion:101 Resp: 107599

Ion Ratio Lower Upper

101 100

103 65.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008027.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008027.D (-202) (-)

80000

60000

40000

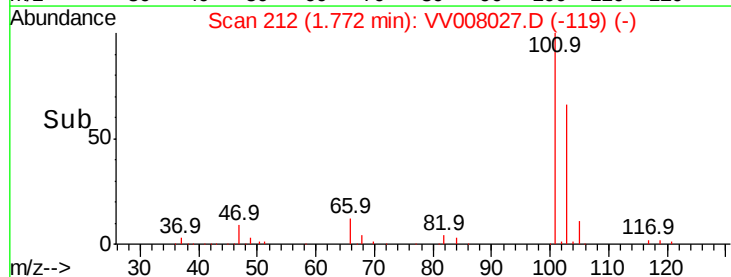
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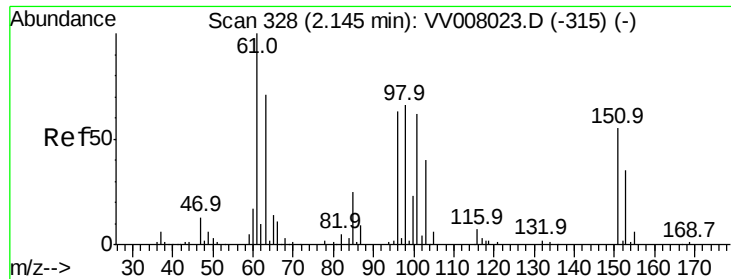
0

1.77

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 4.444 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Instrument :

MSVOA_V

ClientSampled :

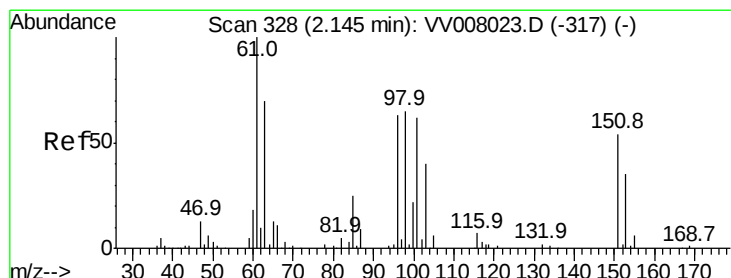
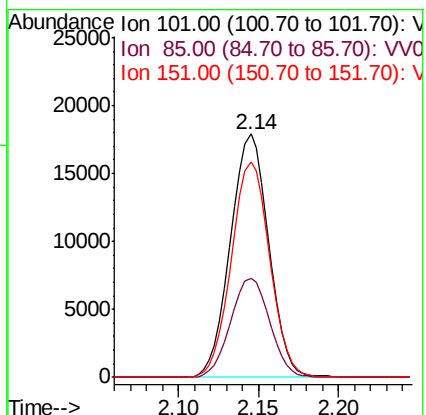
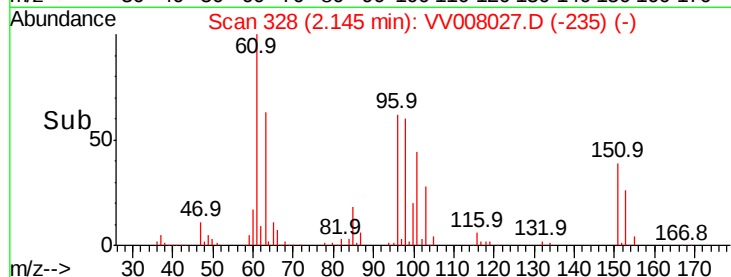
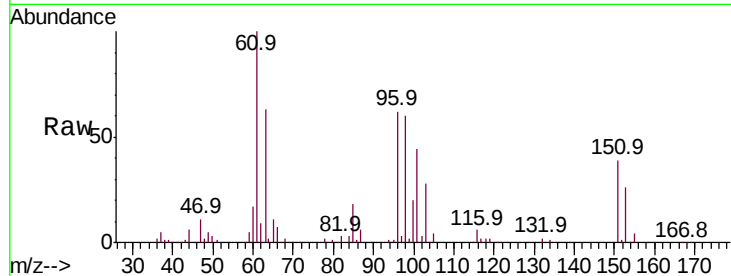
Tot Ion:101 Resp: 29178

Ion Ratio Lower Upper

101 100

85 41.6 34.7 52.1

151 88.6 72.2 108.2



#12

1,1-Dichloroethene

Concen: 6.044 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

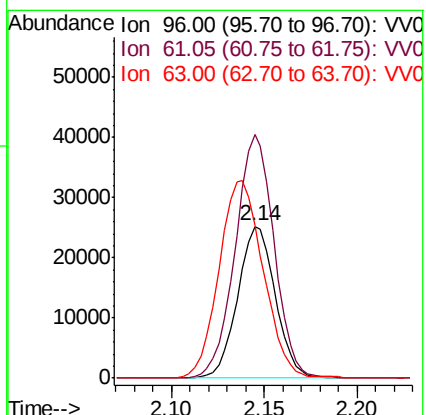
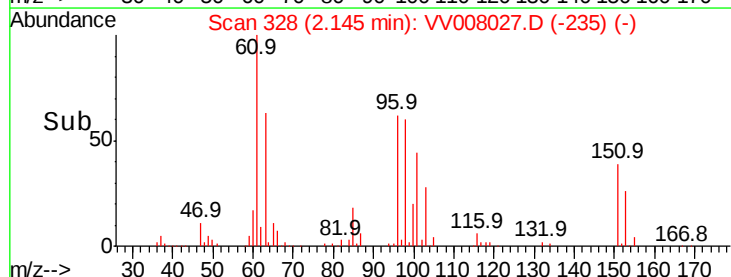
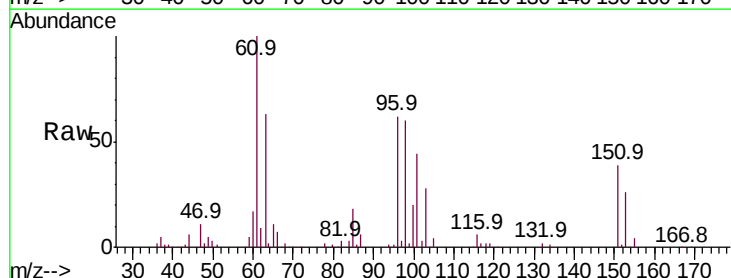
Tgt Ion: 96 Resp: 35462

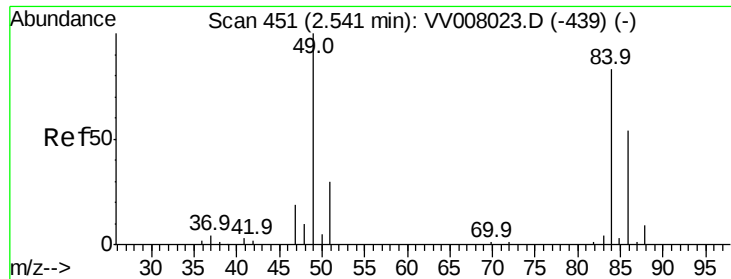
Ion Ratio Lower Upper

96 100

61 160.3 114.1 211.9

63 100.6 81.5 151.3

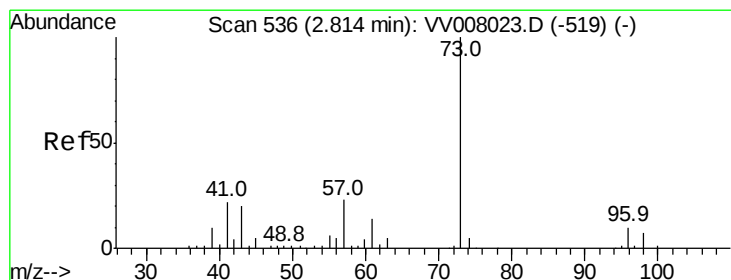
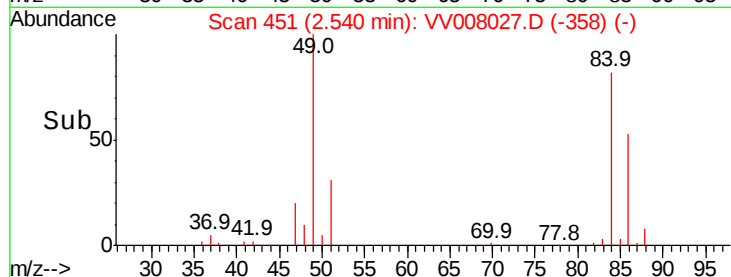
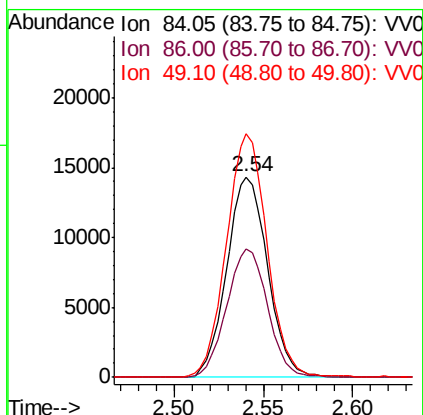
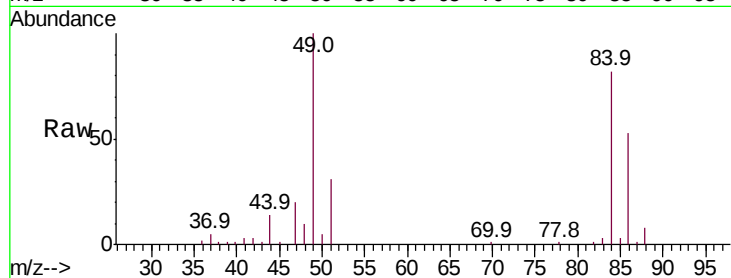




#16
Methvlene chloride
Concen: 3.507 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

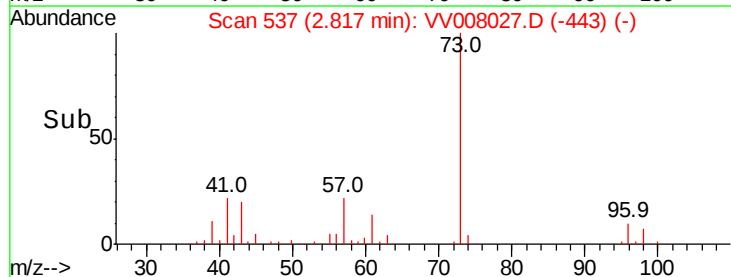
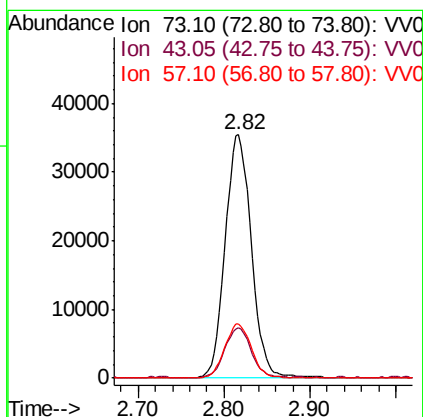
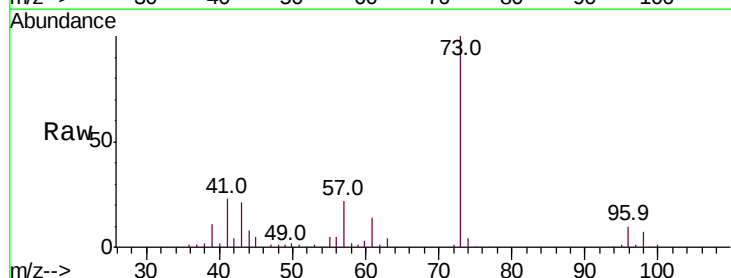
Instrument :
MSVOA_V
ClientSampleId :

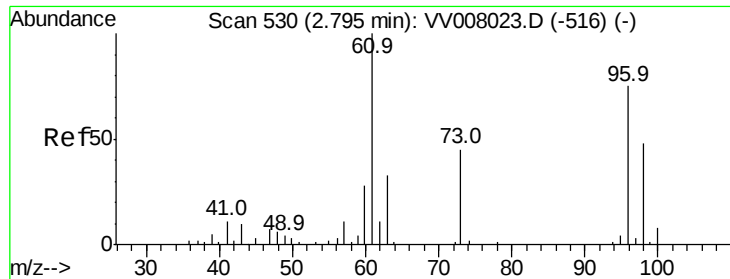
Tot Ion: 84 Resp: 22862
Ion Ratio Lower Upper
84 100
86 64.1 47.3 87.8
49 121.5 90.0 167.2



#17
Methyl tert-butyl Ether
Concen: 5.190 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

Tgt Ion: 73 Resp: 75236
Ion Ratio Lower Upper
73 100
43 21.2 16.8 25.2
57 22.6 17.6 26.4

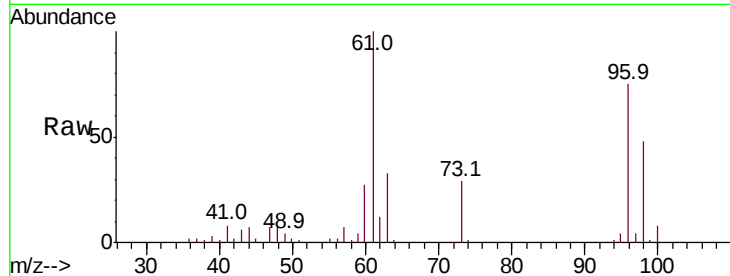




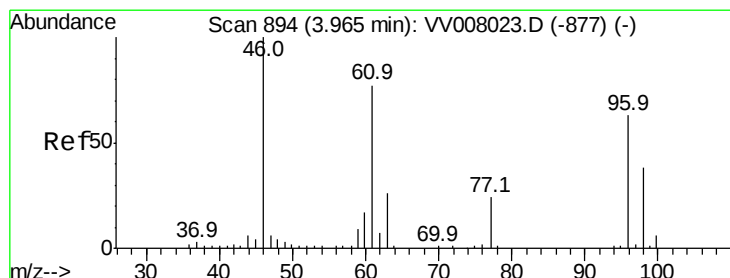
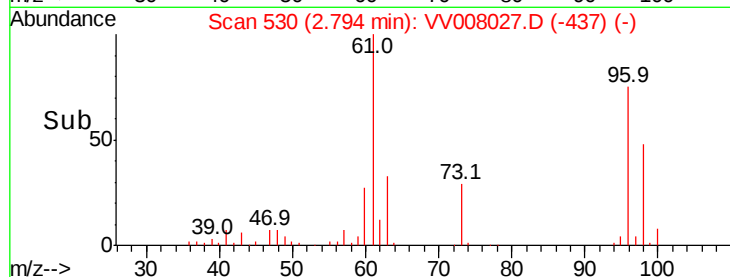
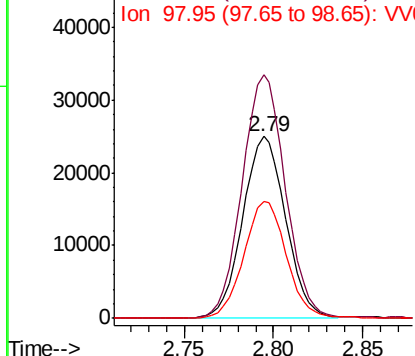
#18
trans-1,2-Dichloroethene
Concen: 6.515 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 42139
Ion Ratio Lower Upper
96 100
61 134.1 94.2 175.0
98 64.7 44.9 83.5

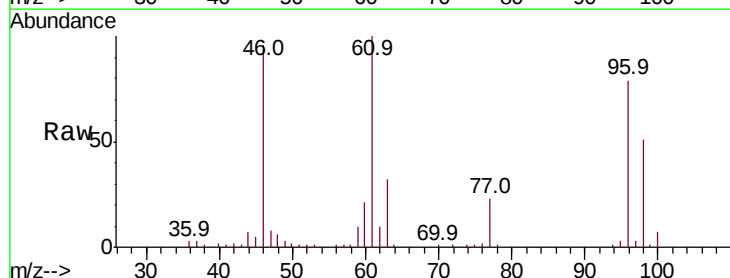


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

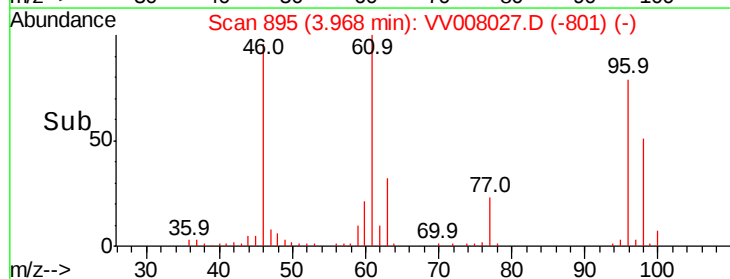
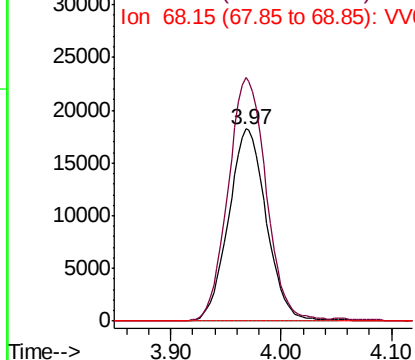


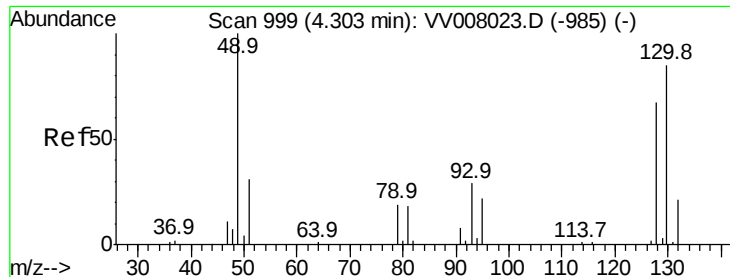
#22
cis-1,2-Dichloroethene
Concen: 6.597 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

Tgt Ion: 96 Resp: 43204
Ion Ratio Lower Upper
96 100
61 126.6 89.5 166.1
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

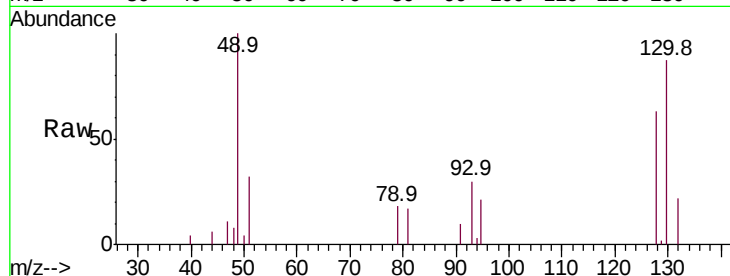




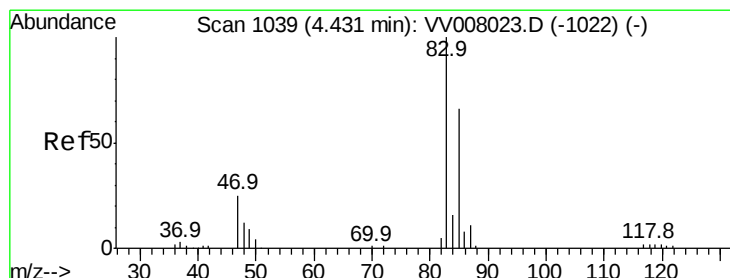
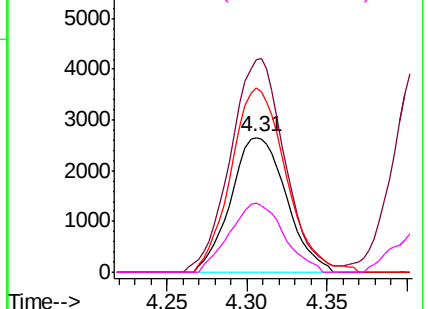
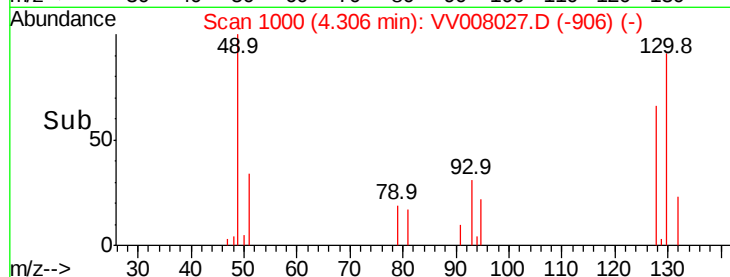
#23
Bromochloromethane
Concen: 2.209 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 6292
Ion Ratio Lower Upper
128 100
49 157.6 112.8 209.4
130 137.4 92.3 171.5
51 51.2 38.4 57.6

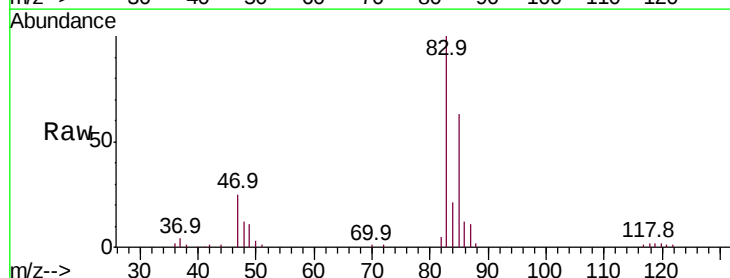


Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

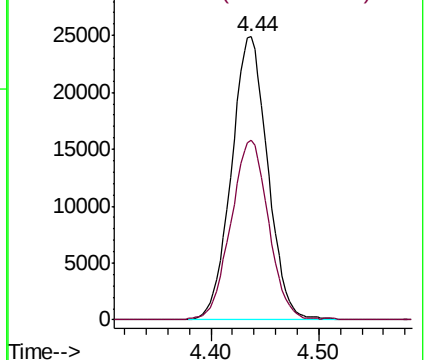
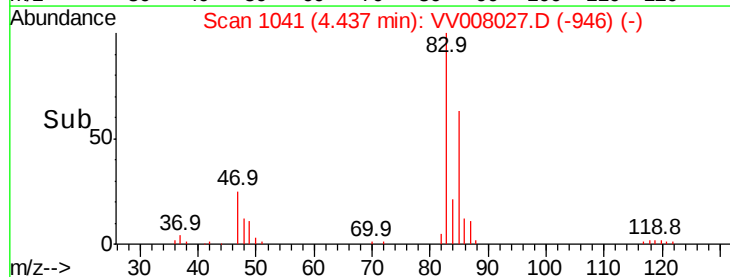


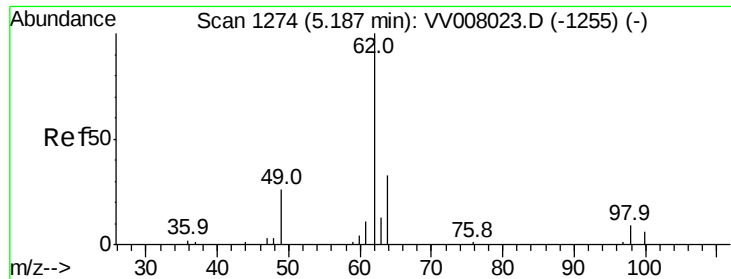
#25
Chloroform
Concen: 4.883 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

Tgt Ion: 83 Resp: 58280
Ion Ratio Lower Upper
83 100
85 63.4 44.8 83.2



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

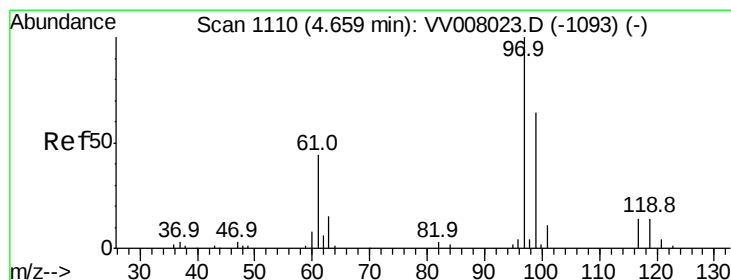
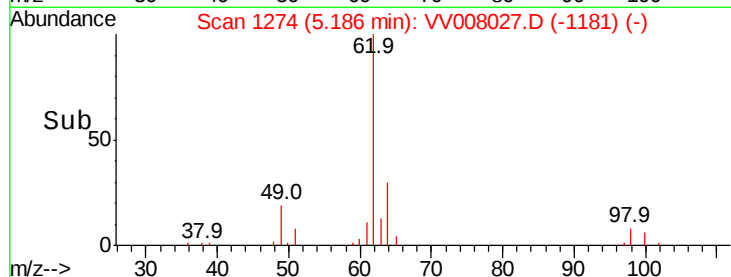
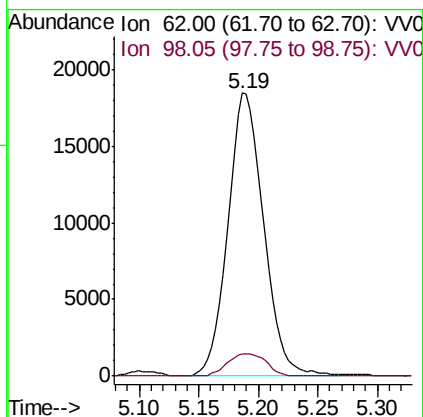
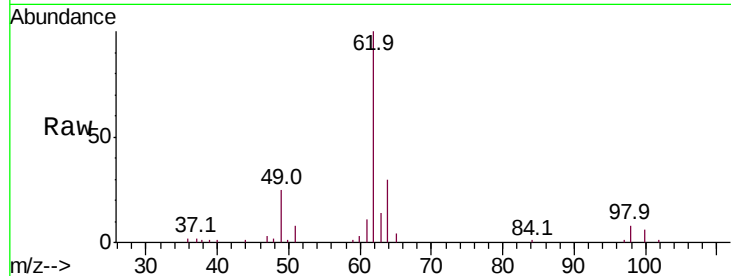




#27
 1,2-Dichloroethane
 Concen: 5.008 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VV008027.D
 Acq: 02 Oct 2018 13:09

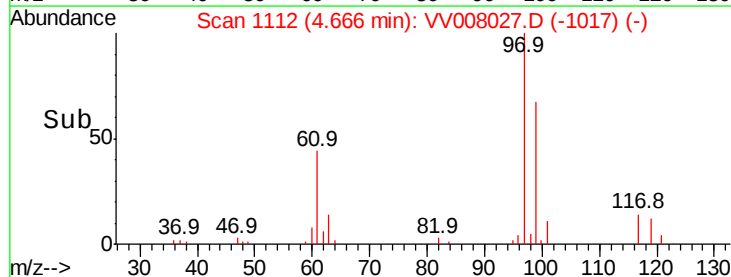
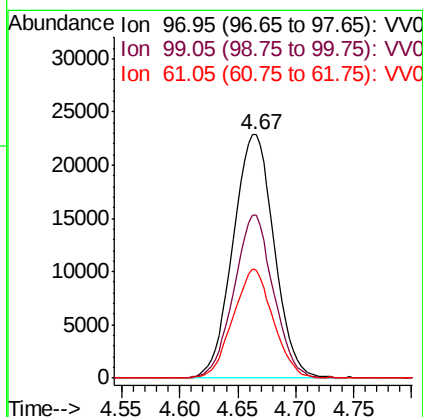
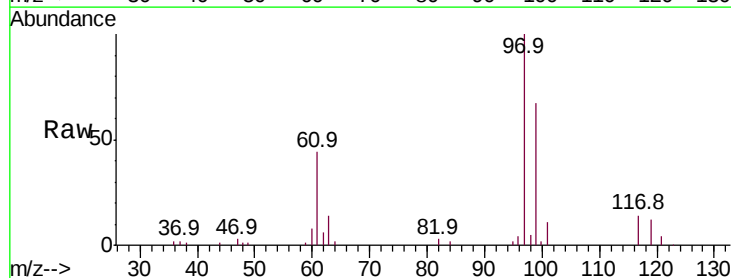
Instrument :
 MSVOA_V
 ClientSampleId :

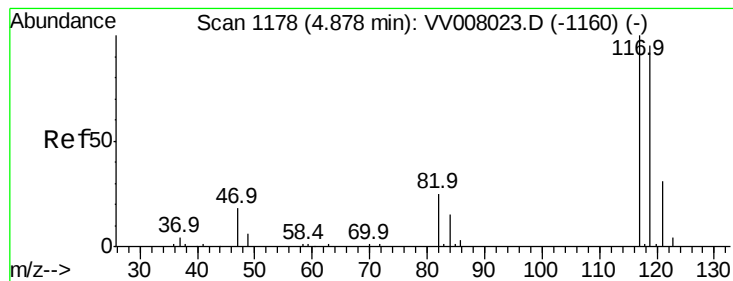
Tot Ion: 62 Resp: 38465
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.6 10.0



#29
 1,1,1-Trichloroethane
 Concen: 5.531 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VV008027.D
 Acq: 02 Oct 2018 13:09

Tgt Ion: 97 Resp: 56420
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 43.5 34.6 52.0





#31

Carbon tetrachloride

Concen: 5.547 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

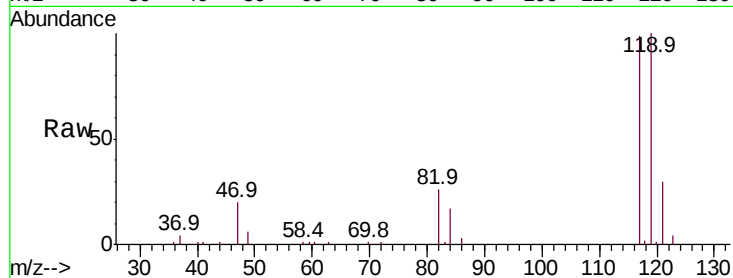
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 49884

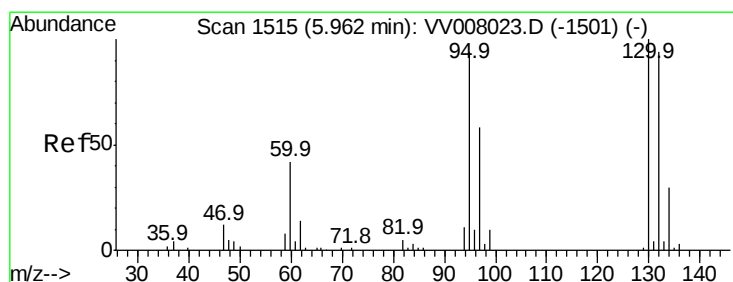
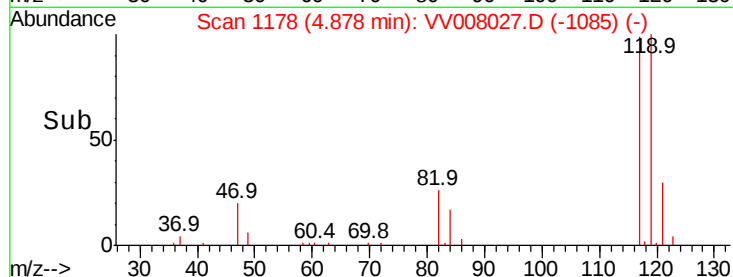
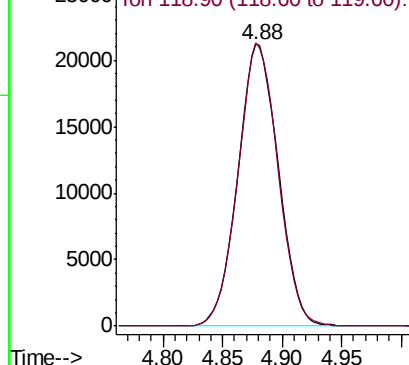
Ion Ratio Lower Upper

117 100

119 99.1 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 8.410 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Tgt Ion: 95 Resp: 58495

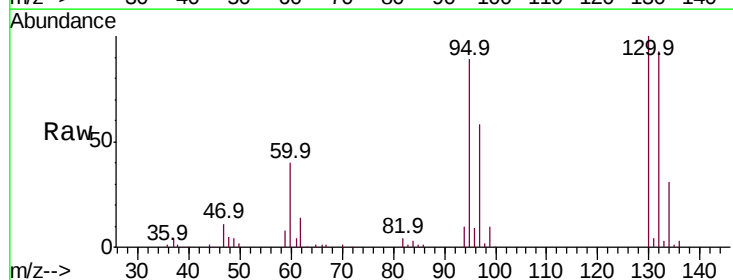
Ion Ratio Lower Upper

95 100

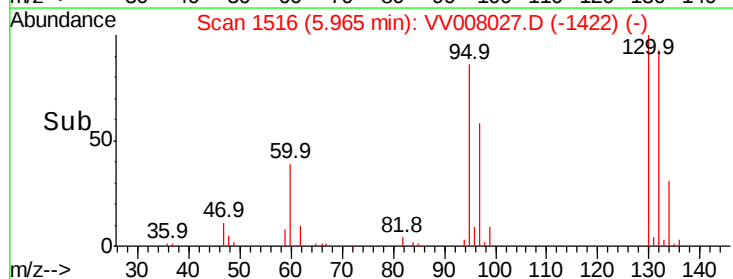
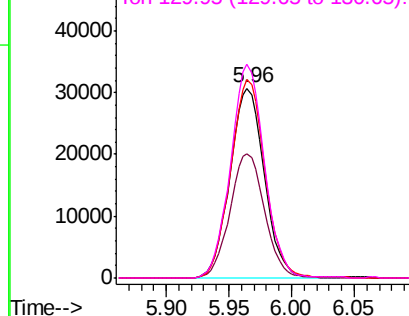
97 65.7 43.6 81.0

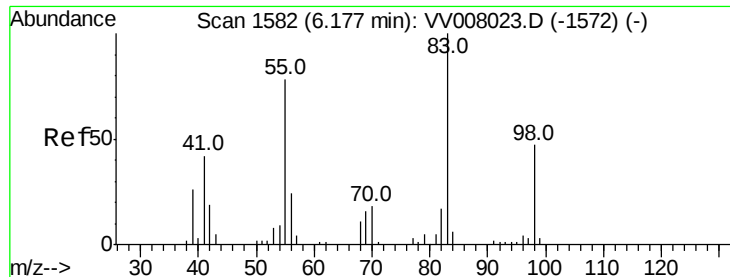
132 104.3 69.9 129.9

130 112.4 71.7 133.3



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

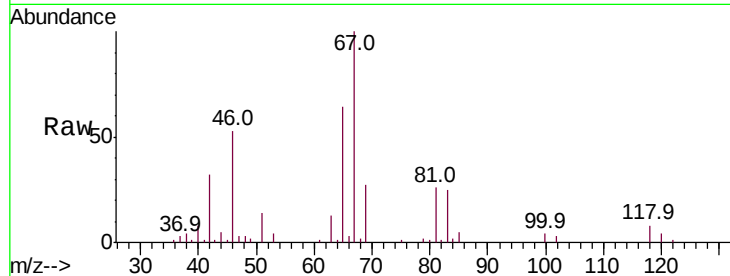




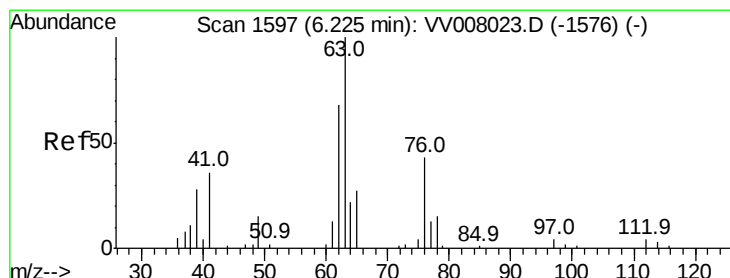
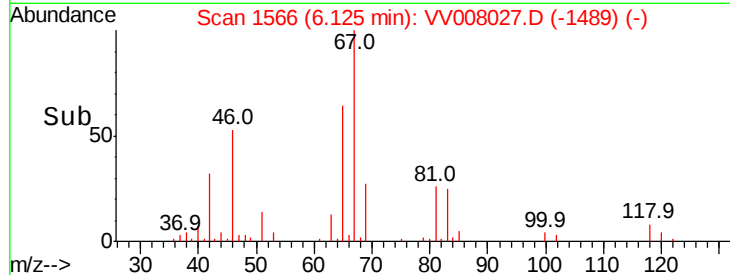
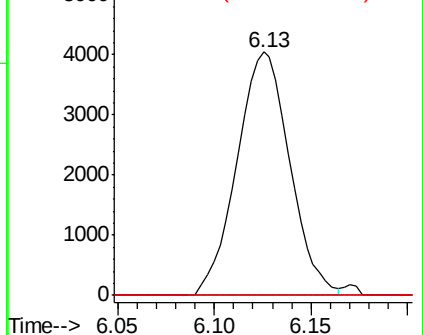
#35
Methvlcvclohexane
Concen: 0.736 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 7679
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 1.2 38.0 57.0#

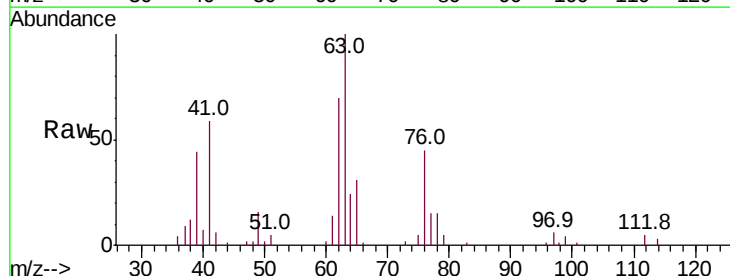


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

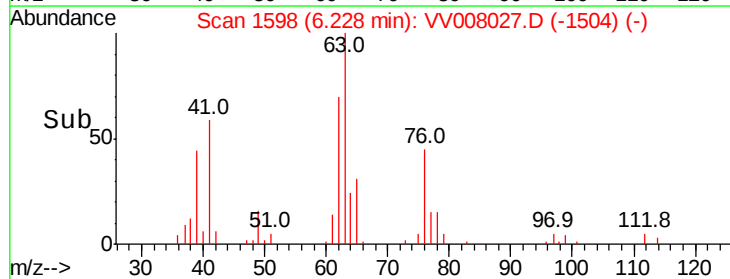
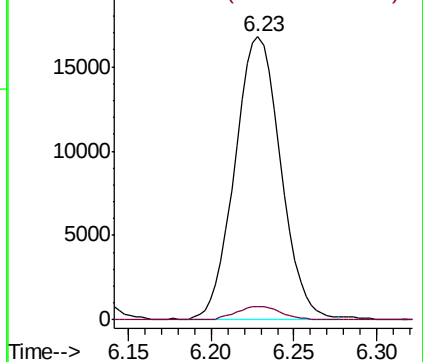


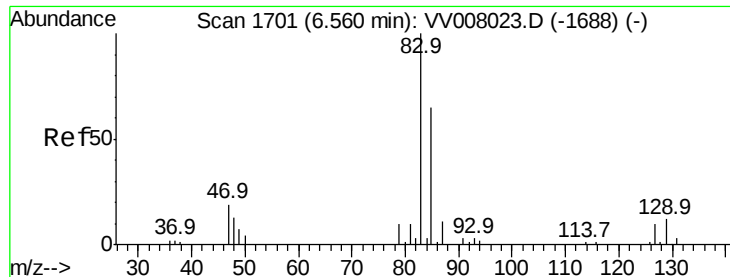
#37
1,2-Dichloropropane
Concen: 5.235 ug/L
RT: 6.23 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VV008027.D
Acq: 02 Oct 2018 13:09

Tgt Ion: 63 Resp: 32489
Ion Ratio Lower Upper
63 100
112 4.5 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 2.169 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Instrument :

MSVOA_V

ClientSampleId :

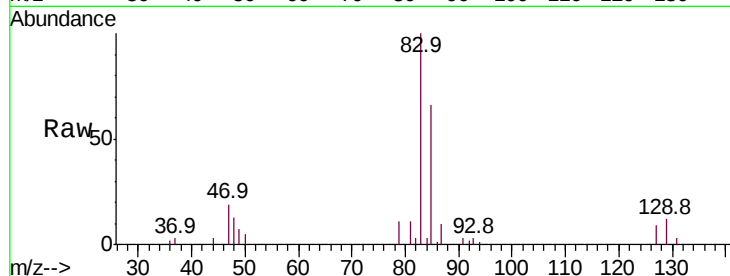
Tot Ion: 83 Resp: 16092

Ion Ratio Lower Upper

83 100

85 65.7 44.7 82.9

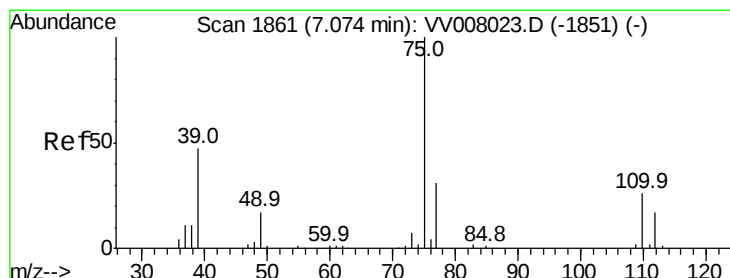
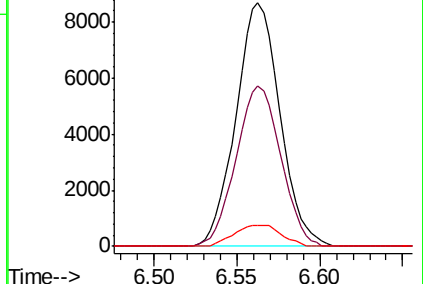
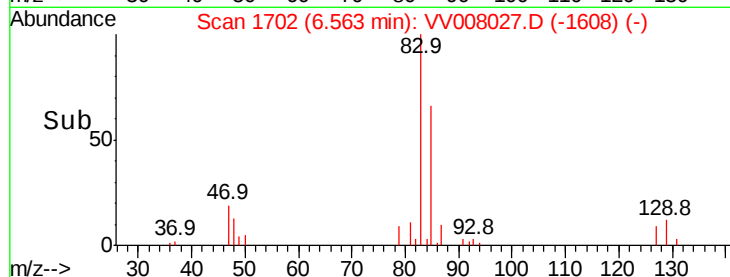
127 8.7 7.8 11.6



Abundance Ion 82.95 (82.65 to 83.65): VV008027.D (-1688) (-)

Ion 85.00 (84.70 to 85.70): VV008027.D (-1688) (-)

Ion 126.90 (126.60 to 127.60): VV008027.D (-1688) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.855 ug/L

RT: 7.08 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VV008027.D

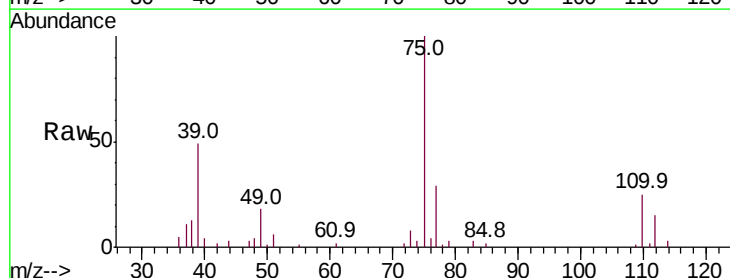
Acq: 02 Oct 2018 13:09

Tgt Ion: 75 Resp: 15395

Ion Ratio Lower Upper

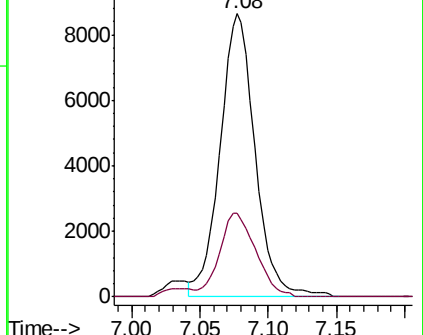
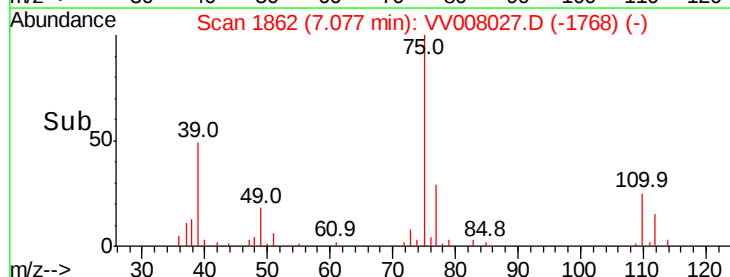
75 100

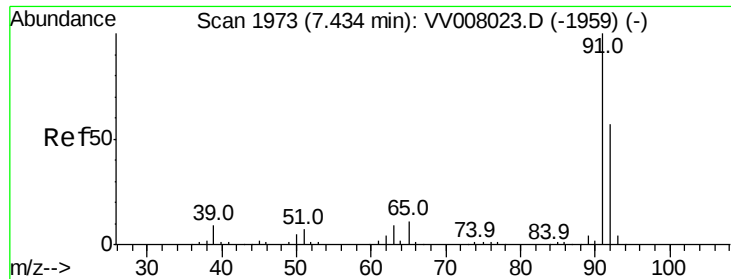
77 29.4 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VV008027.D (-1768) (-)

Ion 77.05 (76.75 to 77.75): VV008027.D (-1768) (-)





#42

Toluene

Concen: 3.241 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

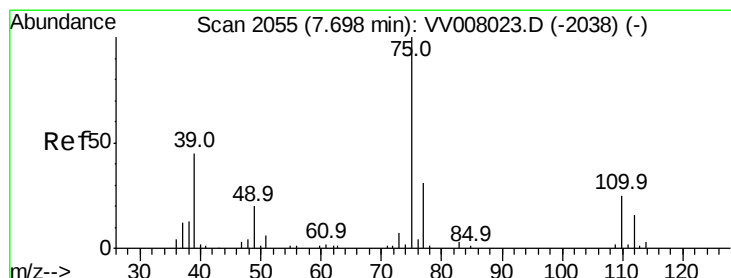
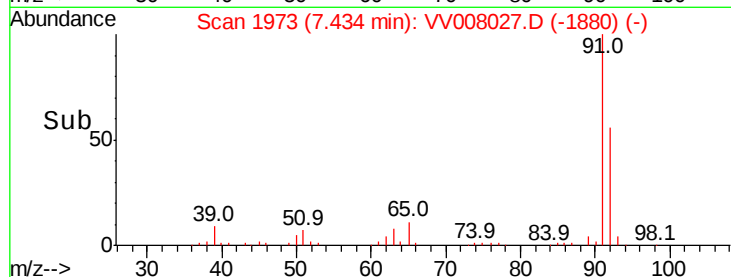
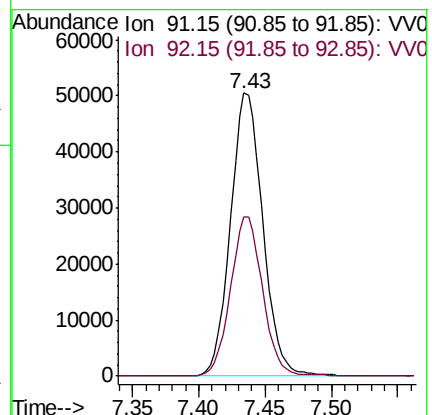
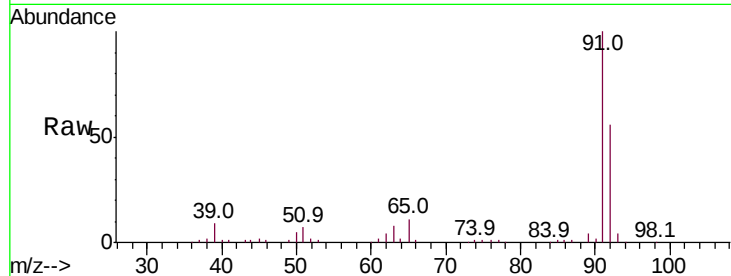
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 85726

Ion Ratio Lower Upper

91 100

92 56.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008027.D

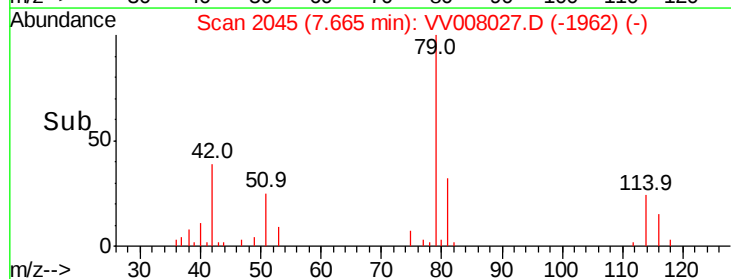
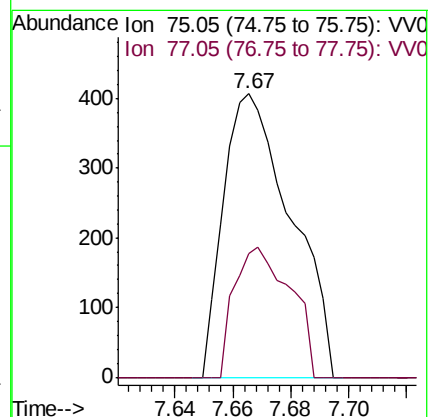
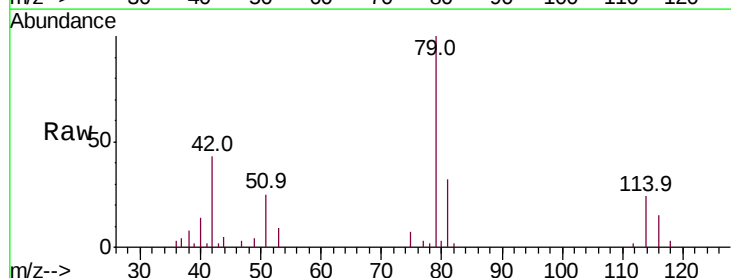
Acq: 02 Oct 2018 13:09

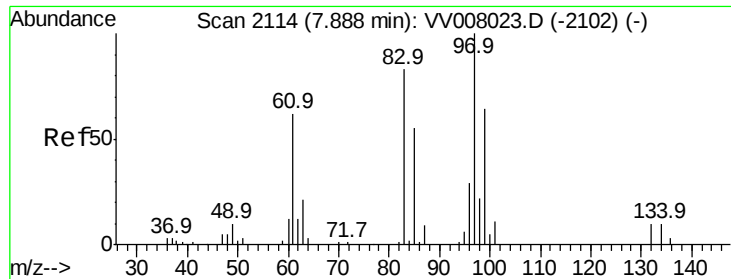
Tgt Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

77 43.5 22.3 41.5#





#45

1,1,2-Trichloroethane

Concen: 8.490 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 38022

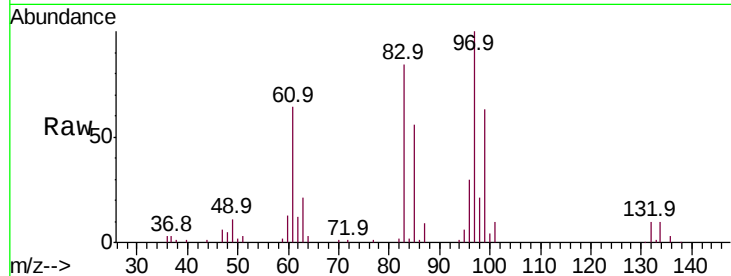
Ion Ratio Lower Upper

97 100

99 63.1 43.5 80.9

83 84.4 59.7 110.9

85 55.9 39.5 73.3

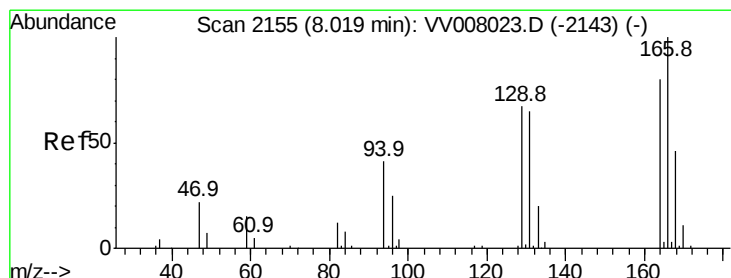
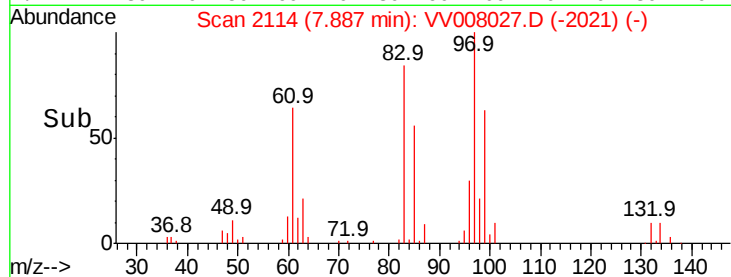
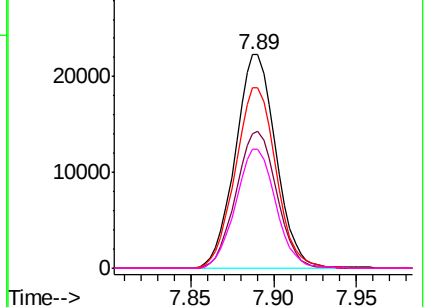


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.534 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Tgt Ion:164 Resp: 35668

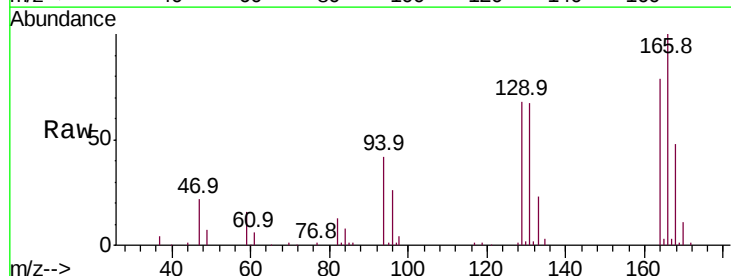
Ion Ratio Lower Upper

164 100

129 86.0 59.2 110.0

131 85.1 57.1 106.1

166 126.7 88.6 164.6

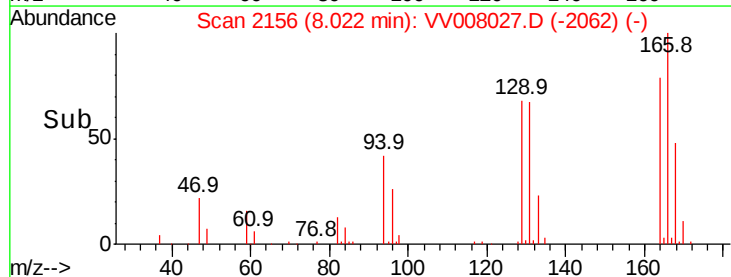
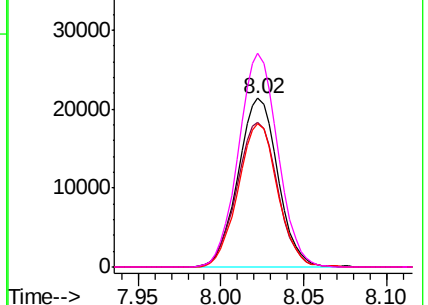


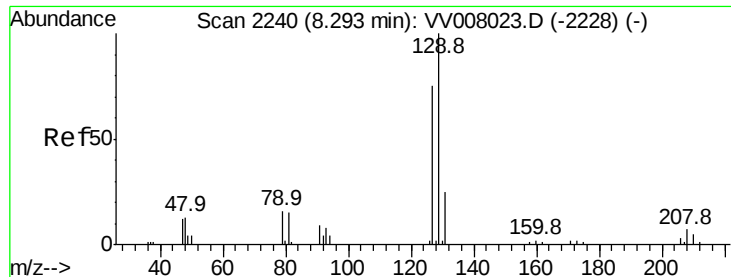
Abundance Ion 163.90 (163.60 to 164.60): V

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: 6.187 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

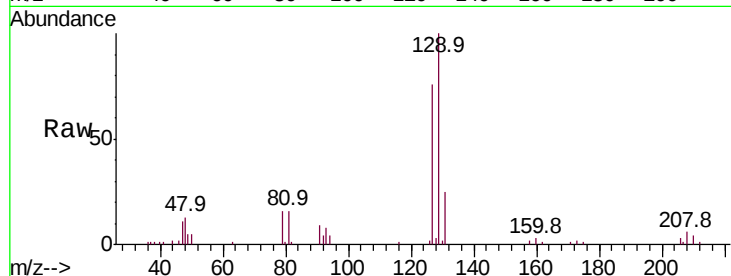
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 31632

Ion Ratio Lower Upper

129 100

127 76.3 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.30

20000

15000

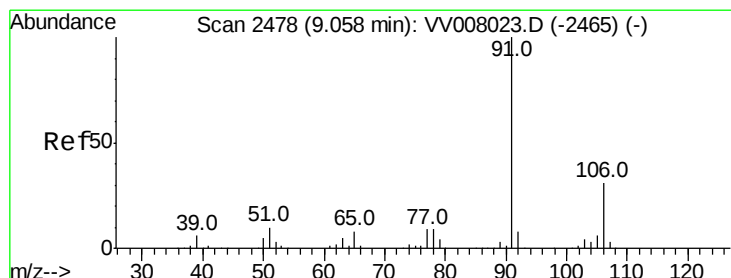
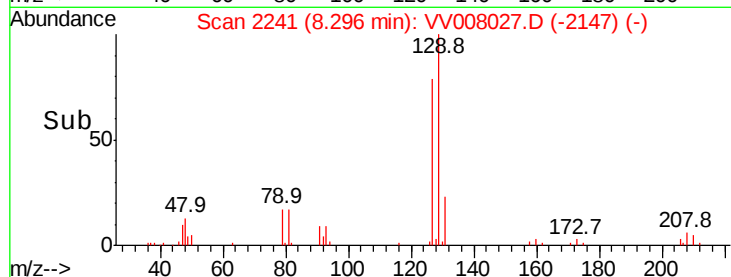
10000

5000

0

8.25 8.30 8.35

Time-->



#52

Ethylbenzene

Concen: 11.007 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV008027.D

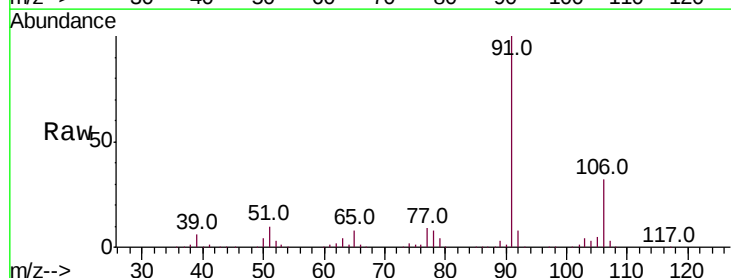
Acq: 02 Oct 2018 13:09

Tgt Ion: 91 Resp: 324815

Ion Ratio Lower Upper

91 100

106 31.7 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

250000

200000

150000

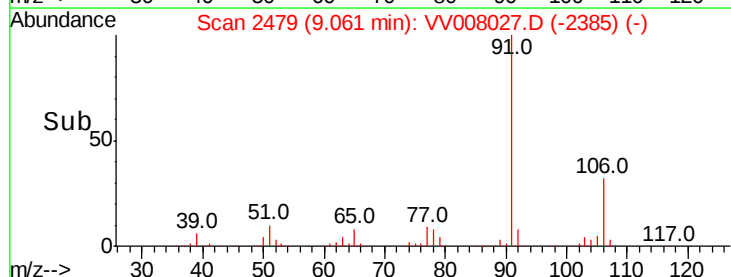
100000

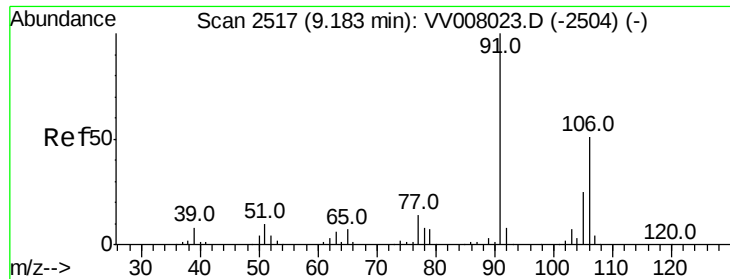
50000

0

9.00 9.06 9.20

Time-->





#53

m,p-xylene

Concen: 9.098 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.12 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

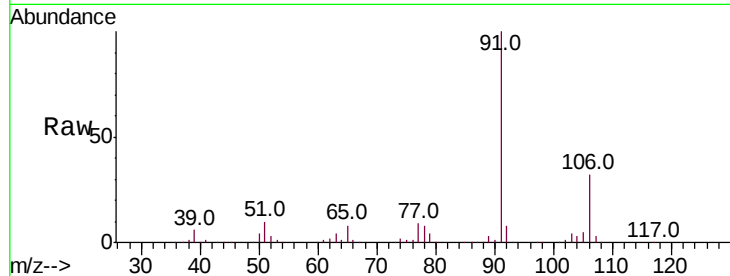
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 102239

Ion Ratio Lower Upper

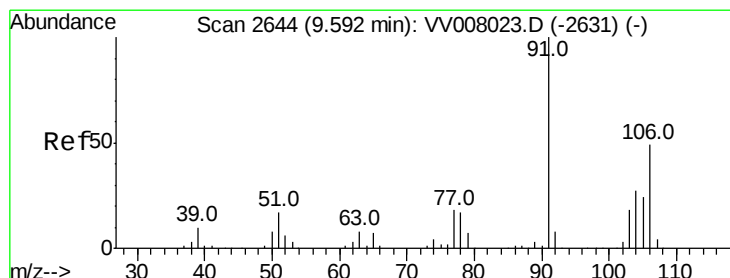
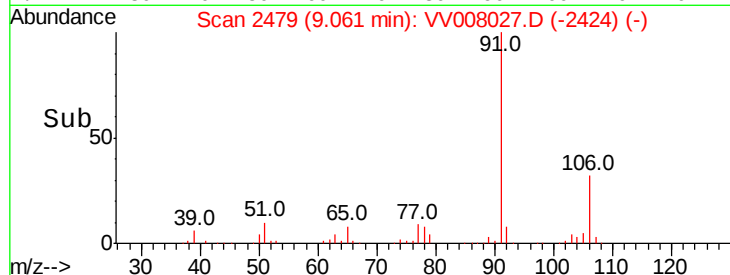
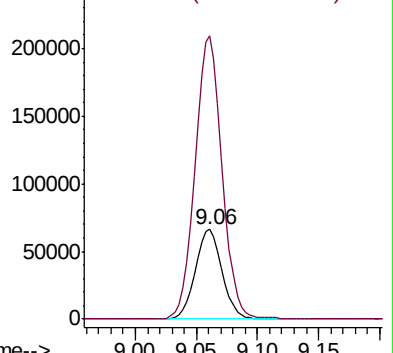
106 100

91 315.7 139.4 258.8#



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 3.169 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV008027.D

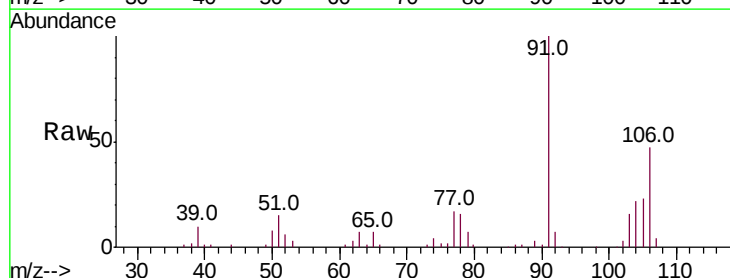
Acq: 02 Oct 2018 13:09

Tgt Ion:106 Resp: 34393

Ion Ratio Lower Upper

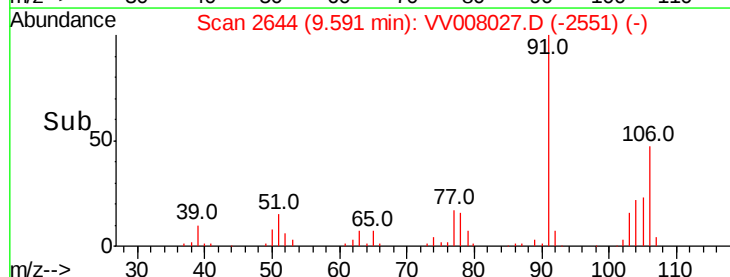
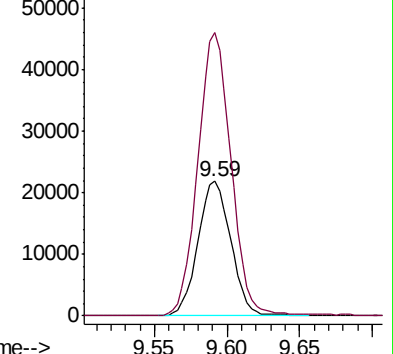
106 100

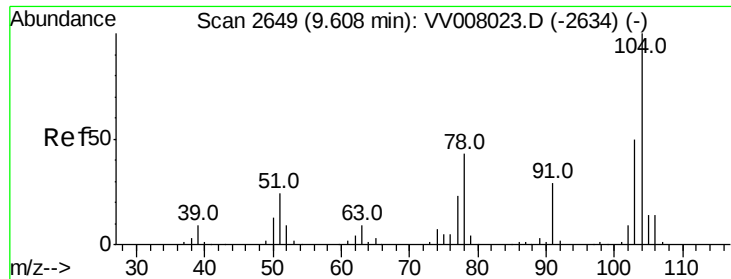
91 210.6 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 3.197 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

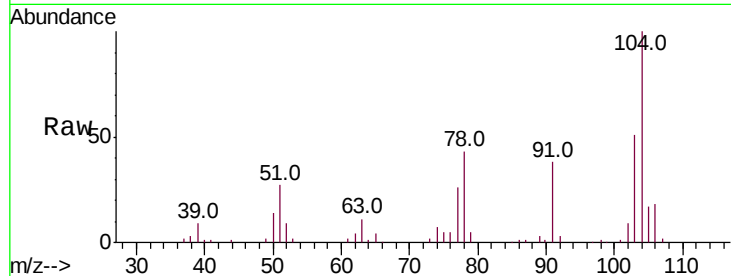
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 59254

Ion Ratio Lower Upper

104 100

78 43.2 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

9.61

40000

30000

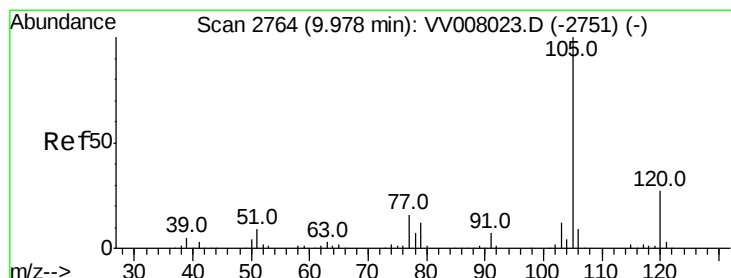
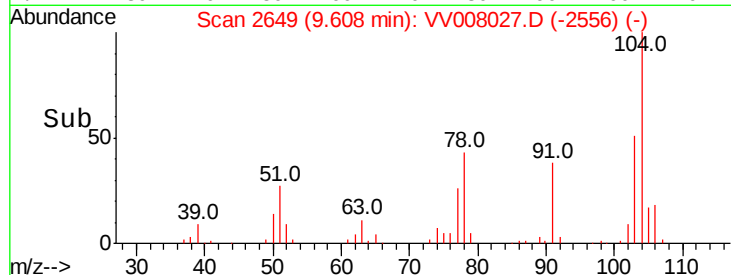
20000

10000

0

9.55 9.60 9.65 9.70

Time-->



#56

Isopropylbenzene

Concen: 7.843 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

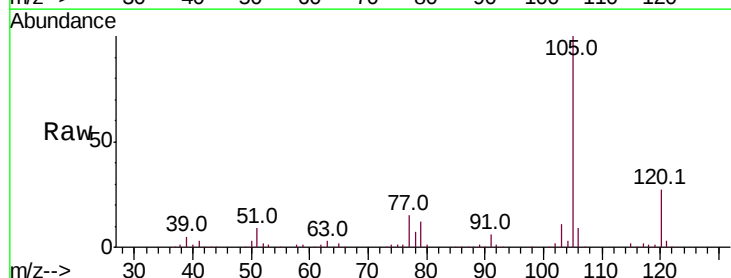
Tgt Ion:105 Resp: 230565

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

77 15.6 12.7 19.1



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): VV0

9.98

200000

150000

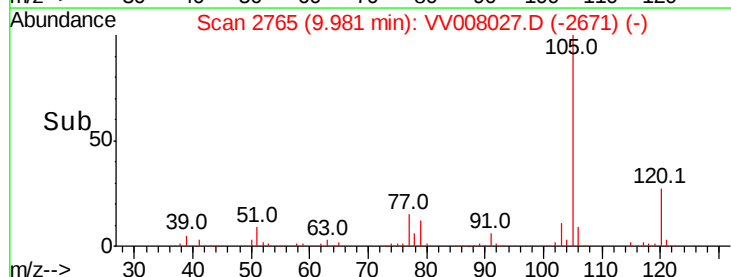
100000

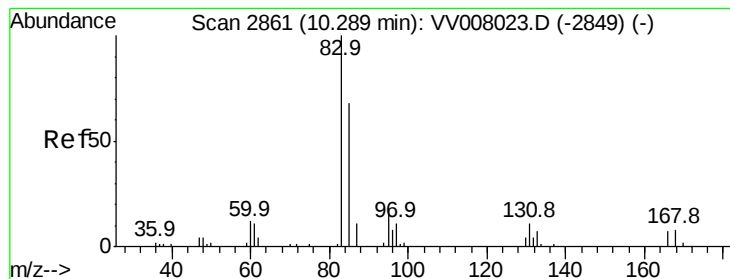
50000

0

9.90 10.00

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 4.893 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Instrument :

MSVOA_V

ClientSampleId :

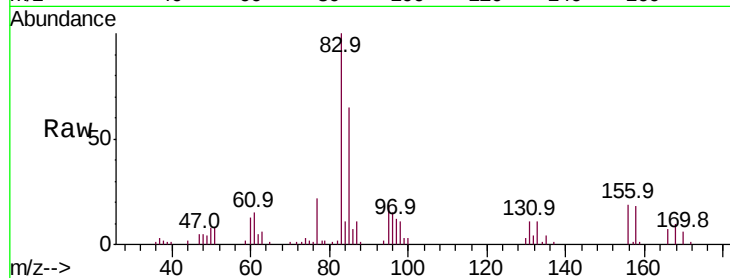
Tot Ion: 83 Resp: 25735

Ion Ratio Lower Upper

83 100

85 65.0 43.7 81.1

131 11.0 9.0 13.4

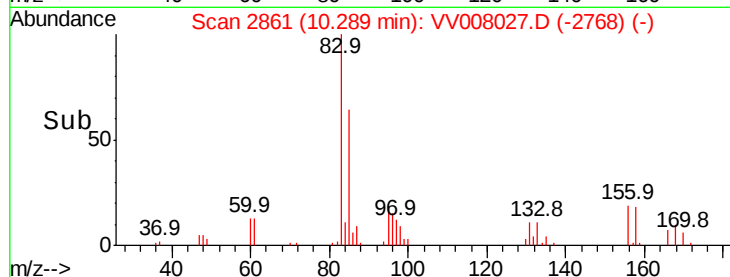


Abundance Ion 82.95 (82.65 to 83.65): VV008027.D (-2849) (-)

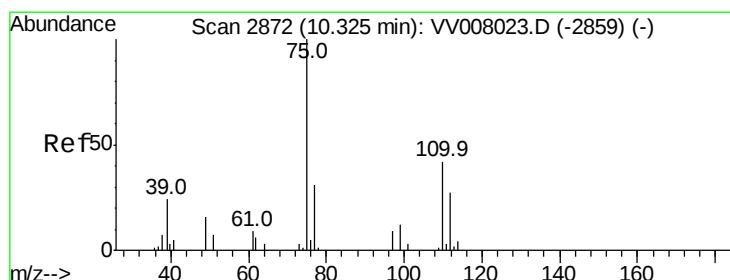
Ion 85.00 (84.70 to 85.70): VV008027.D (-2849) (-)

Ion 130.95 (130.65 to 131.65): VV008027.D (-2849) (-)

10.29



Time--> 10.20 10.25 10.30 10.35



#59

1,2,3-Trichloropropane

Concen: 1.216 ug/L

RT: 10.27 min Scan# 2854

Delta R.T. -0.06 min

Lab File: VV008027.D

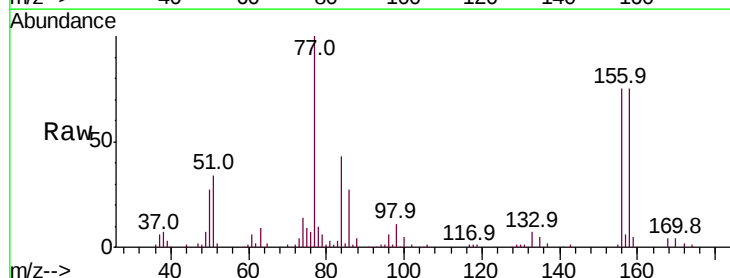
Acq: 02 Oct 2018 13:09

Tgt Ion: 75 Resp: 4695

Ion Ratio Lower Upper

75 100

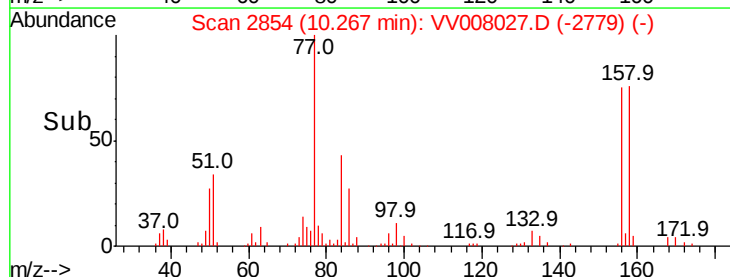
77 1234.7 26.4 39.6#



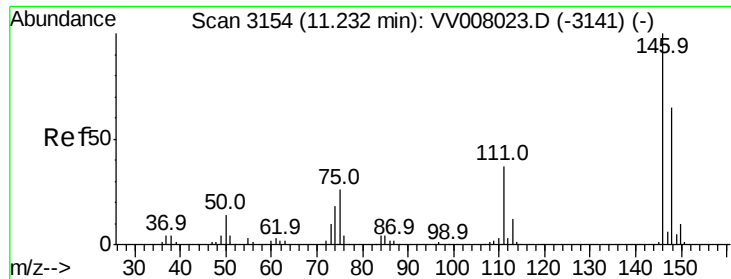
Abundance Ion 75.00 (74.70 to 75.70): VV008027.D (-2779) (-)

Ion 77.00 (76.70 to 77.70): VV008027.D (-2779) (-)

10.27



Time--> 10.25 10.30



#62

1,3-Dichlorobenzene

Concen: 2.165 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Instrument :

MSVOA_V

ClientSampled :

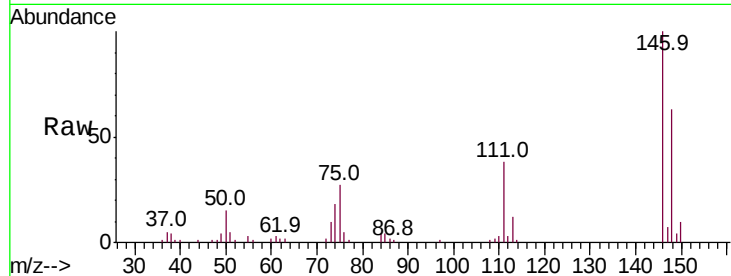
Tot Ion:146 Resp: 33233

Ion Ratio Lower Upper

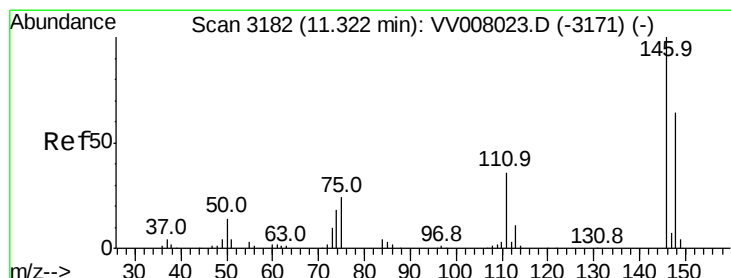
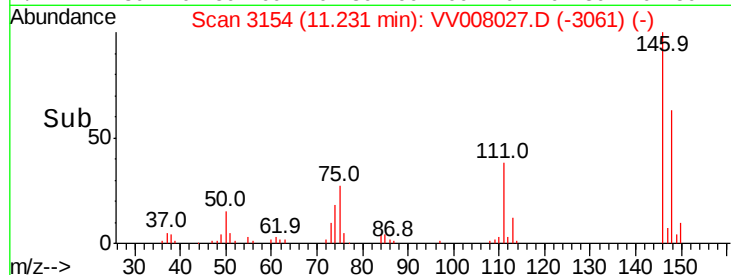
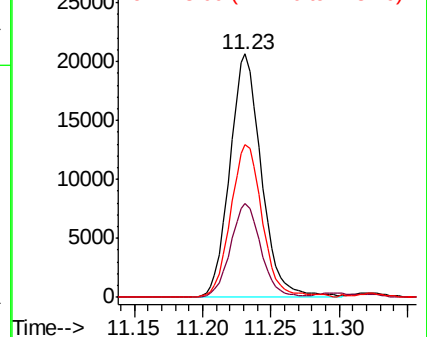
146 100

111 38.3 25.8 48.0

148 62.7 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 2.082 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.09 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

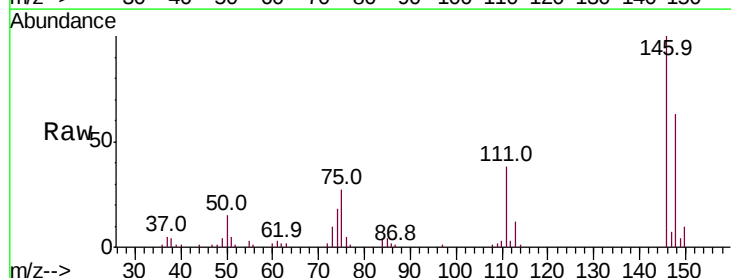
Tgt Ion:146 Resp: 33233

Ion Ratio Lower Upper

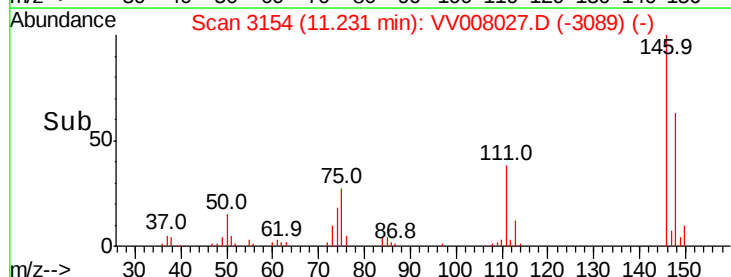
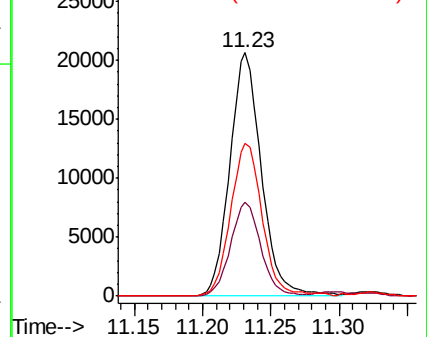
146 100

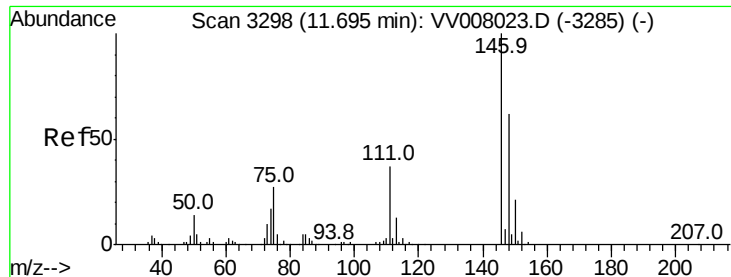
111 38.3 25.3 47.1

148 62.7 44.7 82.9



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: 2.125 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

Instrument :

MSVOA_V

ClientSampleId :

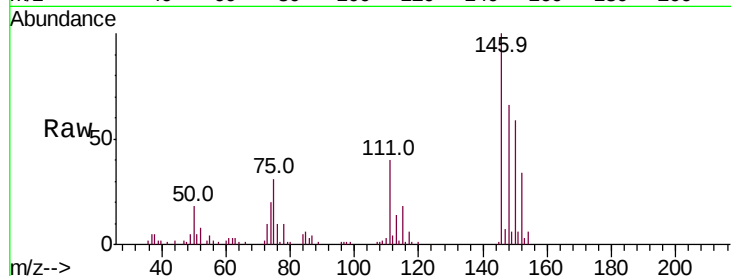
Tot Ion:146 Resp: 30744

Ion Ratio Lower Upper

146 100

111 39.9 31.2 46.8

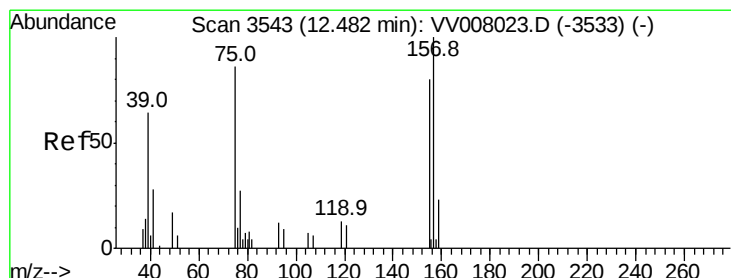
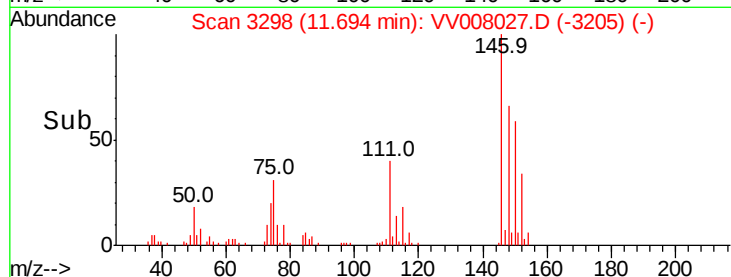
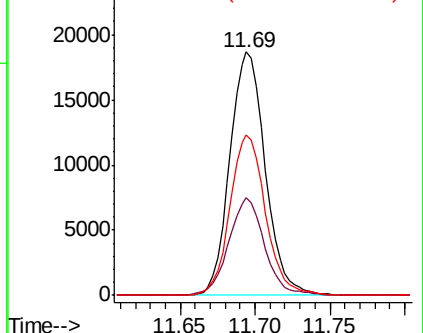
148 65.9 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.301 ug/L

RT: 12.30 min Scan# 3485

Delta R.T. -0.19 min

Lab File: VV008027.D

Acq: 02 Oct 2018 13:09

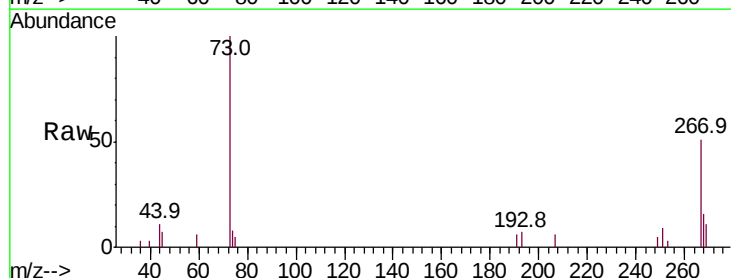
Tgt Ion: 75 Resp: 222

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

157 0.0 93.9 140.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

