

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV113018\
 Data File : VV008804.D
 Acq On : 30 Nov 2018 10:10
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Quant Time: Dec 01 03:49:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 06:23:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	169736	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	155283	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75969	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50118	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.59	69	36343	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.14	63	92169	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	3.97	46	125756	47.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.62%
24) Chloroform-d	4.40	84	111191	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.09	65	53318	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
32) Benzene-d6	5.10	84	222749	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.12	67	65852	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.36	98	209337	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.67	79	23881	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.14	63	101538	51.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42798	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	73705	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	72342	4.817	ug/L 100
3) Chloromethane	1.25	50	50668	4.506	ug/L 100
5) Vinyl chloride	1.32	62	51886	4.638	ug/L 98
6) Bromomethane	1.54	94	32699	4.659	ug/L 95
8) Chloroethane	1.60	64	28630	4.470	ug/L 96
9) Trichlorofluoromethane	1.77	101	82956	4.965	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	45467	4.755	ug/L 96
12) 1,1-Dichloroethene	2.14	96	40163	4.811	ug/L 95
13) Acetone	2.22	43	61343	46.798	ug/L 99
14) Carbon disulfide	2.32	76	110793	4.573	ug/L 100
15) Methyl Acetate	2.47	43	15510	4.421	ug/L 95
16) Methylene chloride	2.54	84	39983	4.247	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	97163	4.727	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	41799	4.557	ug/L 95
19) 1,1-Dichloroethane	3.23	63	98827	4.847	ug/L 95
21) 2-Butanone	4.06	43	124044	47.208	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	61861	4.800	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV113018\
 Data File : VV008804.D
 Acq On : 30 Nov 2018 10:10
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Quant Time: Dec 01 03:49:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 30 06:23:09 2018
 Response via : Initial Calibration

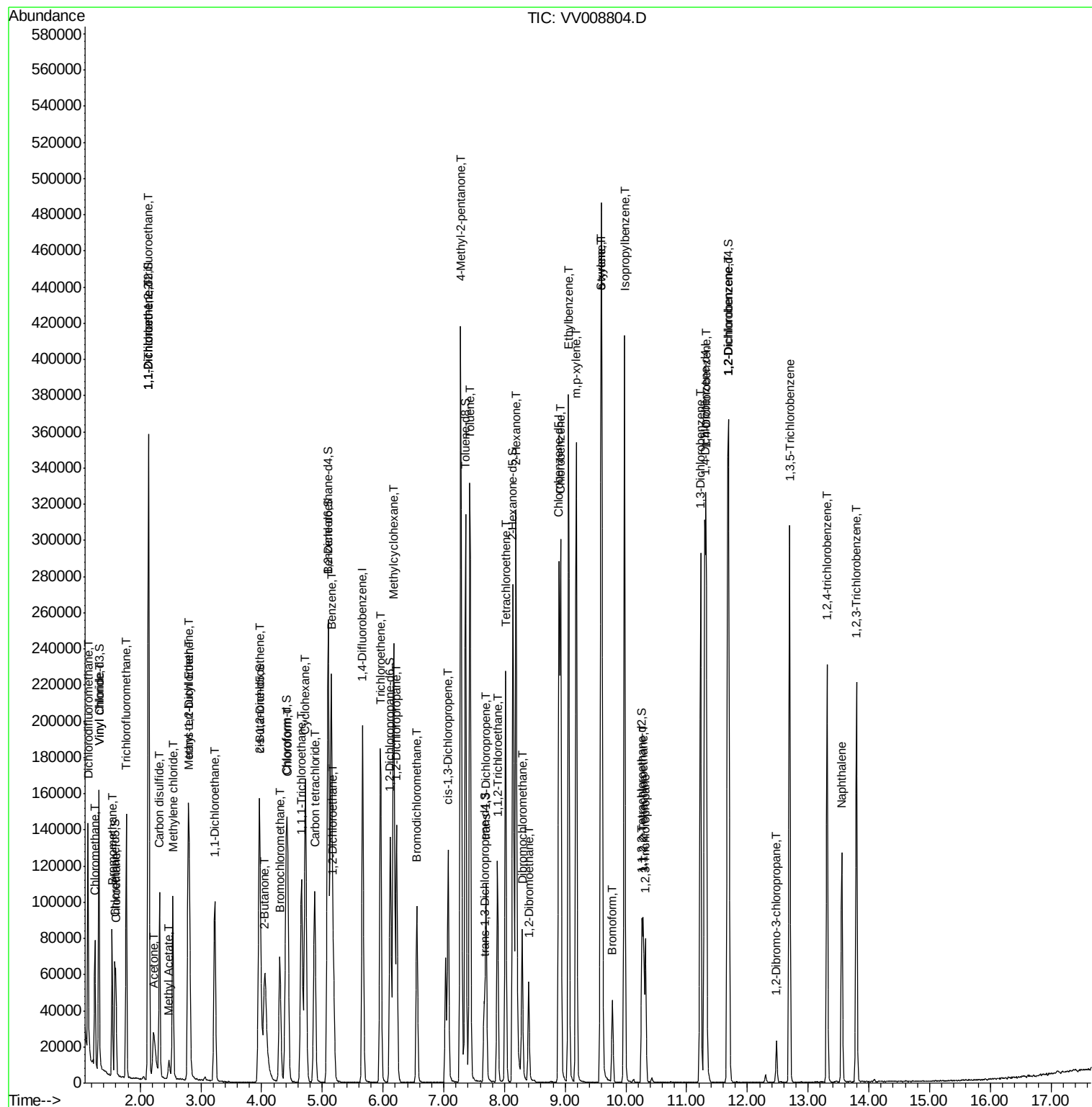
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25955	4.909	ug/L	96
25) Chloroform	4.43	83	105533	4.763	ug/L	97
27) 1,2-Dichloroethane	5.18	62	61251	4.811	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	89339	4.929	ug/L	99
30) Cyclohexane	4.72	56	89932	4.712	ug/L	100
31) Carbon tetrachloride	4.87	117	78111	4.979	ug/L	99
33) Benzene	5.15	78	226781	4.870	ug/L	100
34) Trichloroethene	5.96	95	64446	4.978	ug/L	98
35) Methylcyclohexane	6.17	83	101473	4.942	ug/L	100
37) 1,2-Dichloropropane	6.22	63	55006	4.752	ug/L	100
38) Bromodichloromethane	6.56	83	65900	4.986	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	74958	4.931	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	292376	48.803	ug/L	99
42) Toluene	7.43	91	242437	4.974	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	58986	4.922	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	37868	4.931	ug/L	98
47) Tetrachloroethene	8.02	164	50275	5.021	ug/L	99
48) 2-Hexanone	8.19	43	205013	48.745	ug/L	98
49) Dibromochloromethane	8.29	129	42500	5.083	ug/L	96
50) 1,2-Dibromoethane	8.40	107	34998	4.855	ug/L	99
51) Chlorobenzene	8.93	112	155890	4.859	ug/L	99
52) Ethylbenzene	9.06	91	262628	4.980	ug/L	99
53) m,p-xylene	9.18	106	101750	5.144	ug/L	95
54) o-xylene	9.59	106	97370	5.103	ug/L	98
55) Styrene	9.60	104	164448	5.184	ug/L	100
56) Isopropylbenzene	9.98	105	260677	5.016	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	40636	4.962	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	32631	4.913	ug/L	97
61) Bromoform	9.78	173	20633	5.009	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	120888	4.835	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	122842	4.966	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	115257	4.886	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	5391	4.641	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	93733	5.108	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	71033	5.247	ug/L	97
69) Naphthalene	13.56	128	103475	5.227	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	65851	5.214	ug/L	100

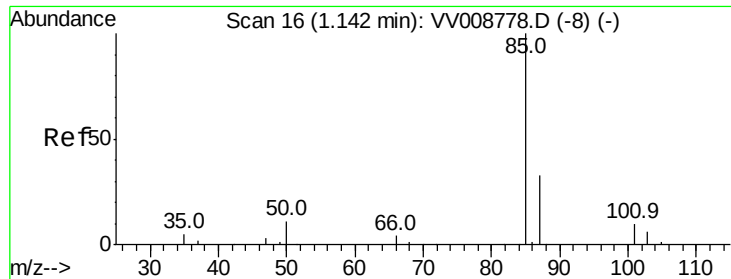
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV113018\
Data File : VV008804.D
Acq On : 30 Nov 2018 10:10
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

Quant Time: Dec 01 03:49:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 30 06:23:09 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.817 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

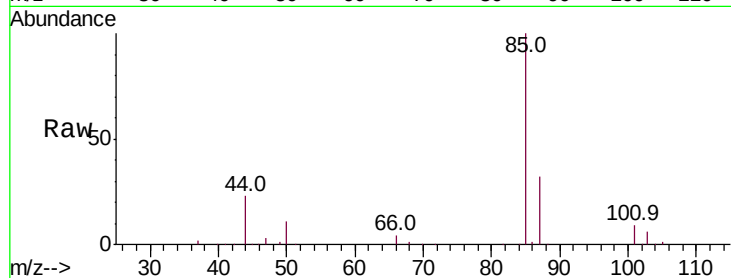
VSTD00572

Tot Ion: 85 Resp: 72342

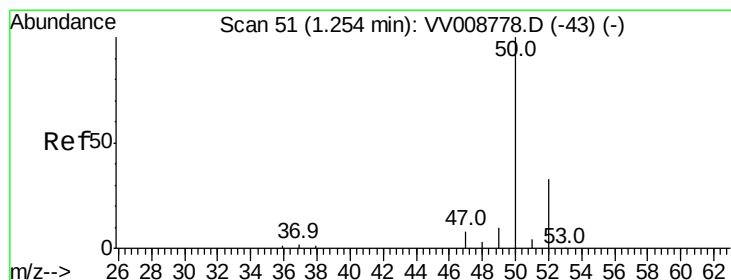
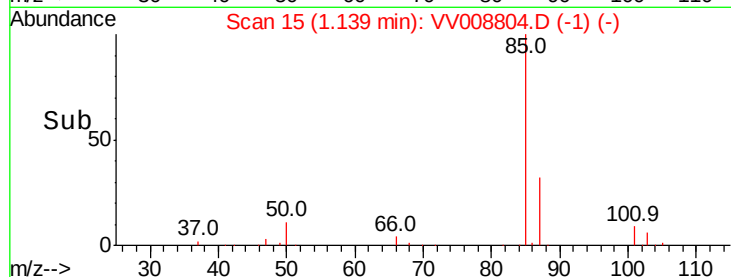
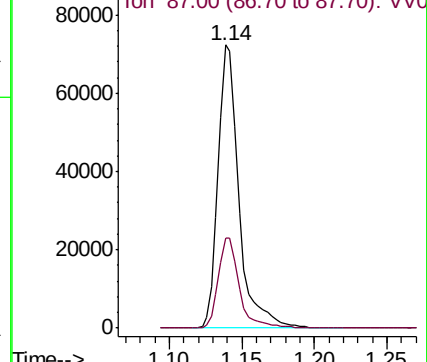
Ion Ratio Lower Upper

85 100

87 31.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV008778.D (-8) (-)



#3

Chloromethane

Concen: 4.506 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008804.D

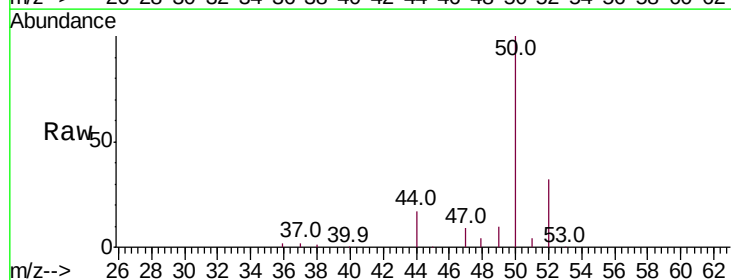
Acq: 30 Nov 2018 10:10

Tgt Ion: 50 Resp: 50668

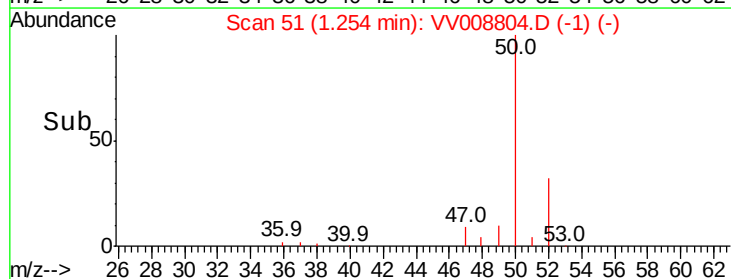
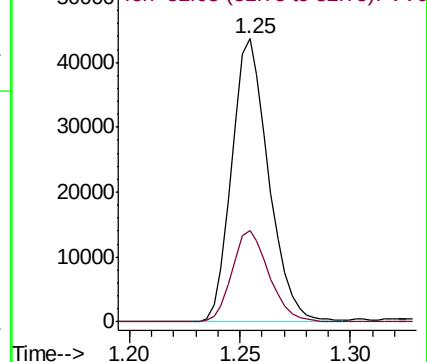
Ion Ratio Lower Upper

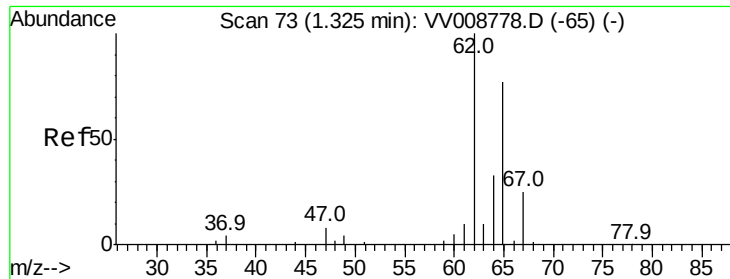
50 100

52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV008778.D (-43) (-)





#5

Vinyl chloride

Concen: 4.638 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

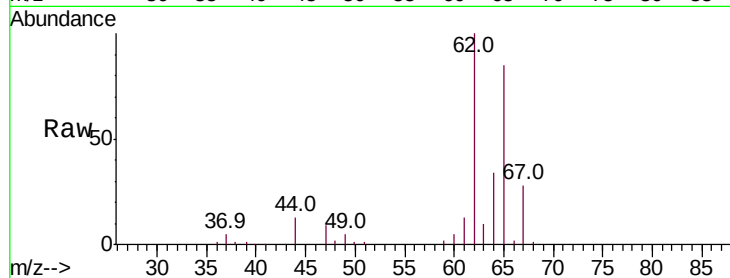
VSTD00572

Tot Ion: 62 Resp: 51886

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV008778.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008778.D (-65) (-)

1.32

50000

40000

30000

20000

10000

0

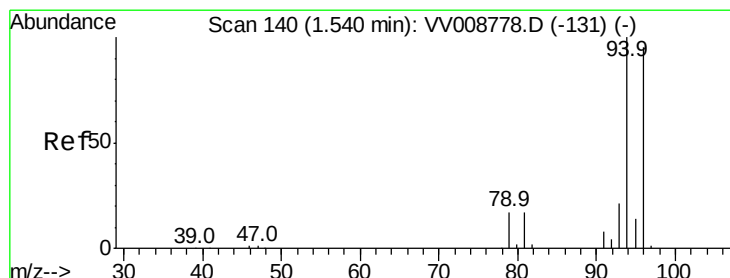
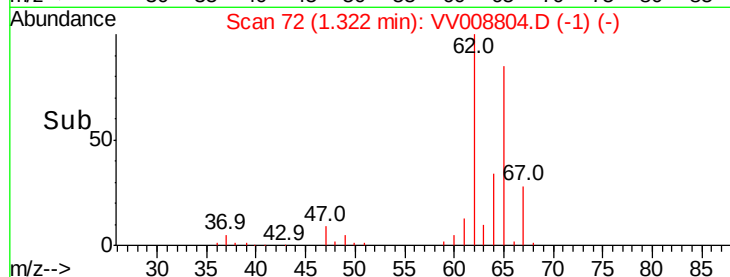
Time-->

1.25

1.30

1.35

1.40



#6

Bromomethane

Concen: 4.659 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008804.D

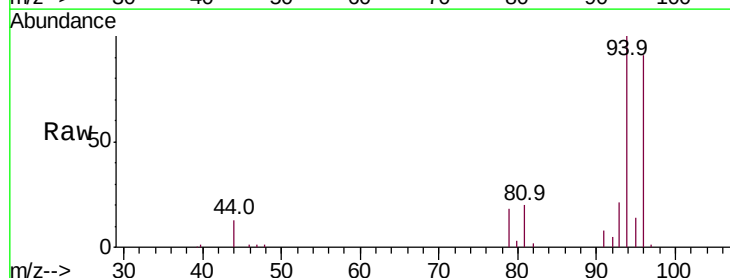
Acq: 30 Nov 2018 10:10

Tgt Ion: 94 Resp: 32699

Ion Ratio Lower Upper

94 100

96 91.2 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV008778.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008778.D (-131) (-)

1.54

30000

25000

20000

15000

10000

5000

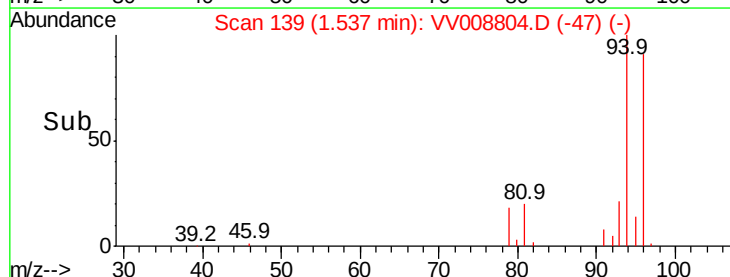
0

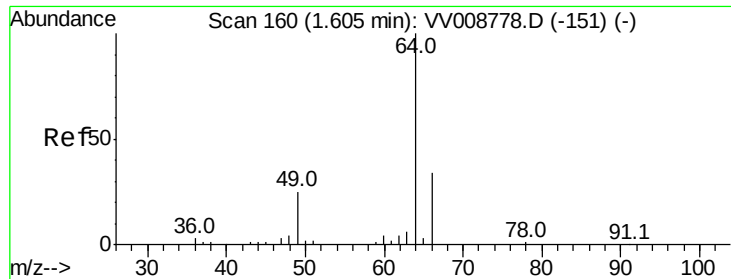
Time-->

1.50

1.55

1.60

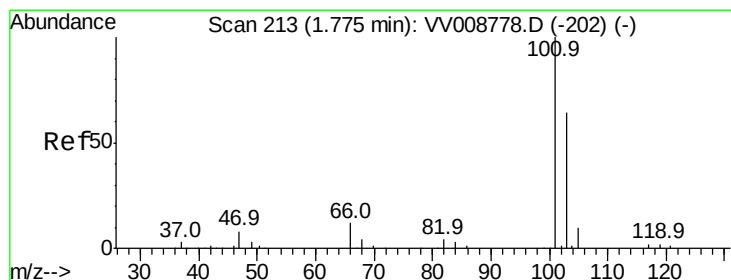
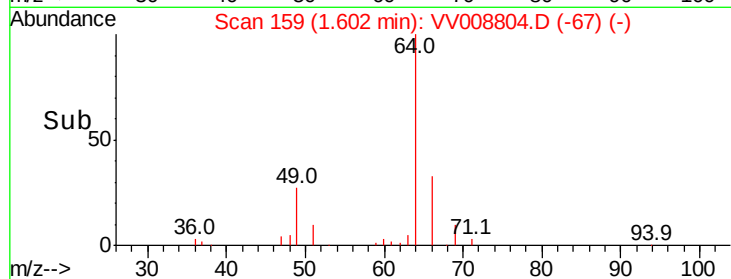
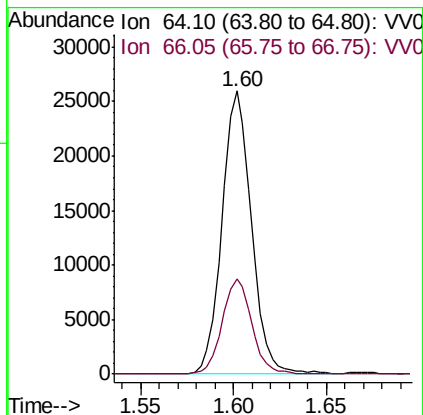
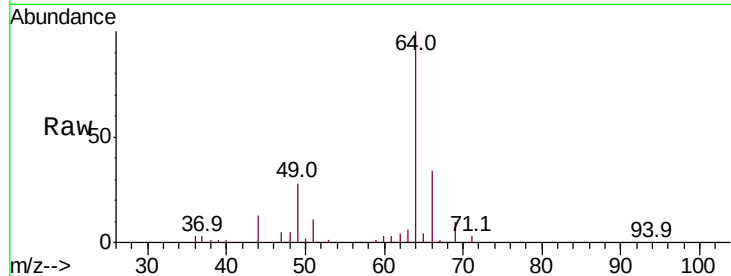




#8
Chloroethane
Concen: 4.470 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

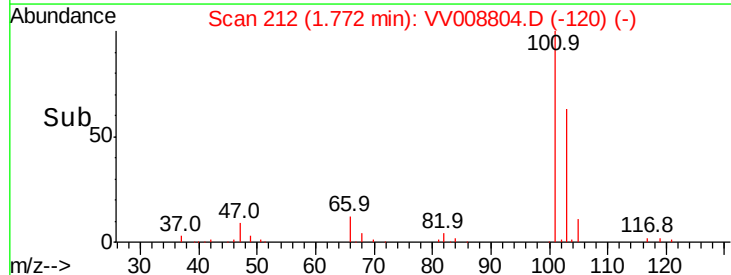
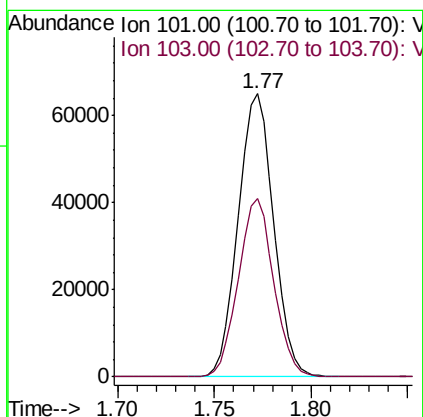
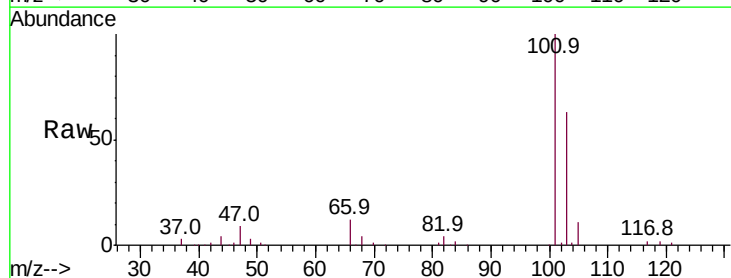
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

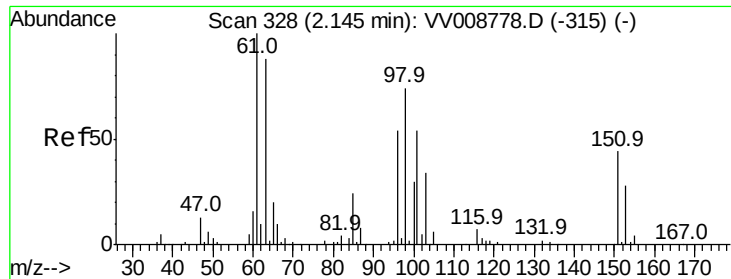
Tot Ion: 64 Resp: 28630
Ion Ratio Lower Upper
64 100
66 33.5 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.965 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

Tgt Ion: 101 Resp: 82956
Ion Ratio Lower Upper
101 100
103 62.9 52.6 79.0





#10

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

Concen: 4.755 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

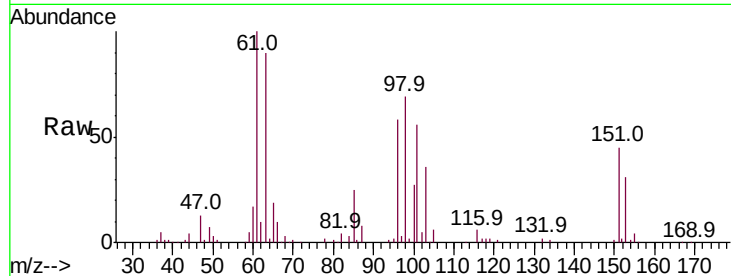
Tot Ion:101 Resp: 45467

Ion Ratio Lower Upper

101 100

85 44.7 33.1 49.7

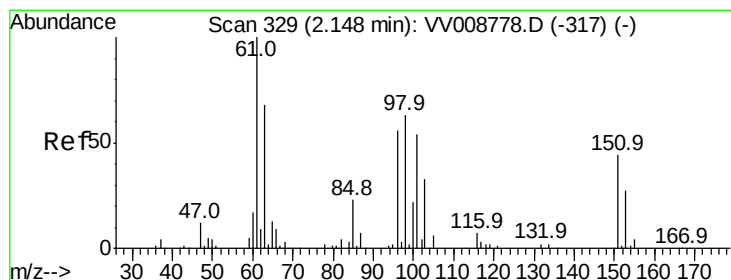
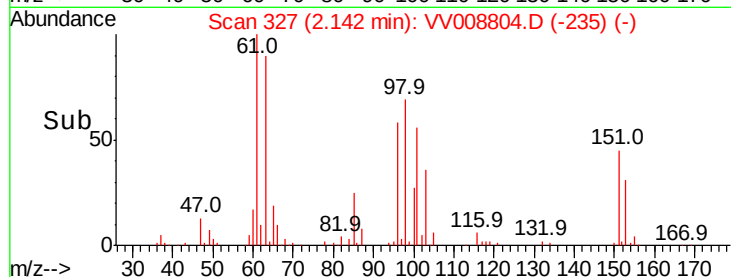
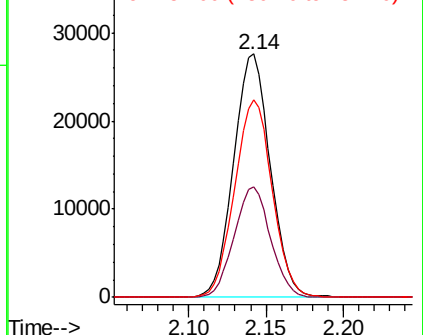
151 83.0 63.8 95.8



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: 4.811 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.01 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

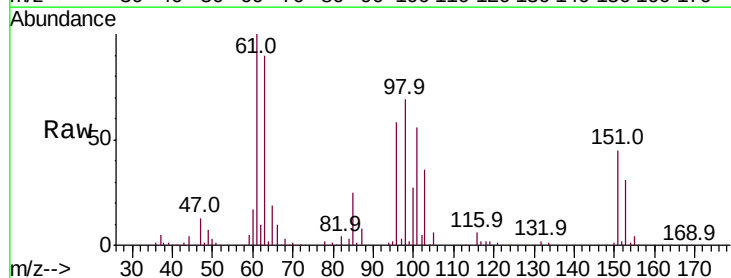
Tgt Ion: 96 Resp: 40163

Ion Ratio Lower Upper

96 100

61 172.0 124.3 230.8

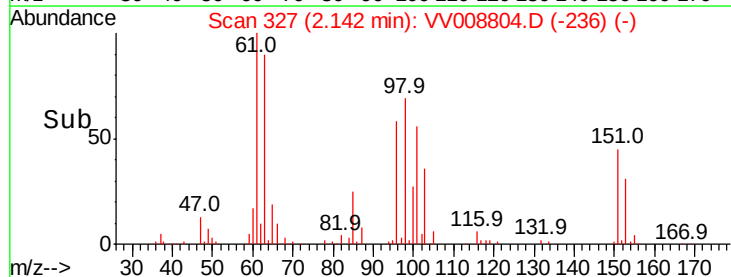
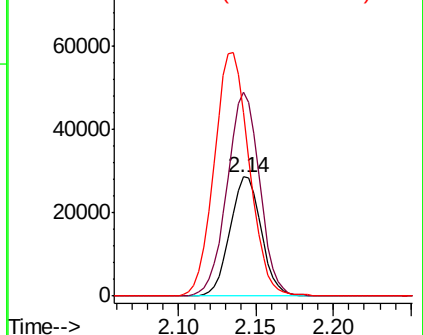
63 154.1 102.6 190.5

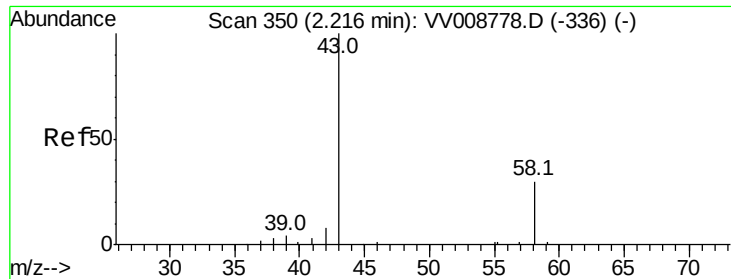


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.798 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

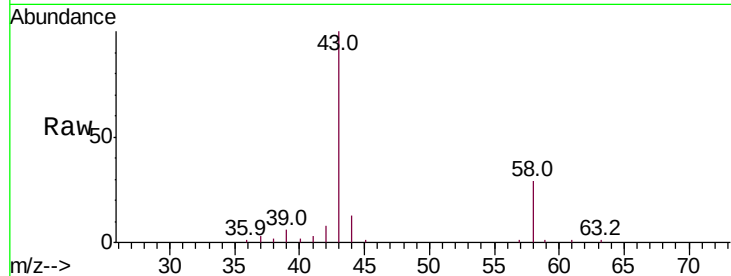
VSTD00572

Tot Ion: 43 Resp: 61343

Ion Ratio Lower Upper

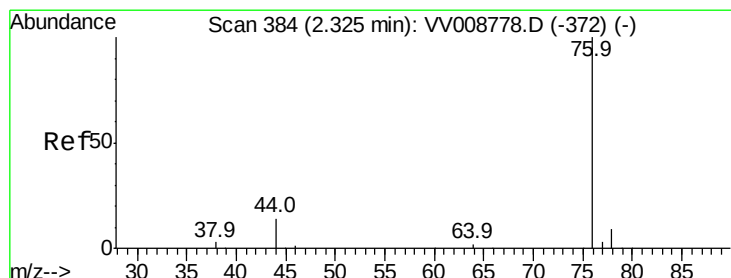
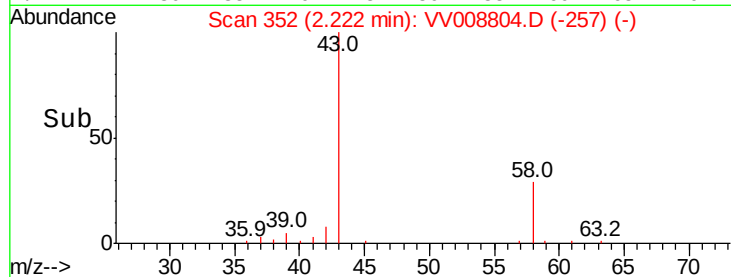
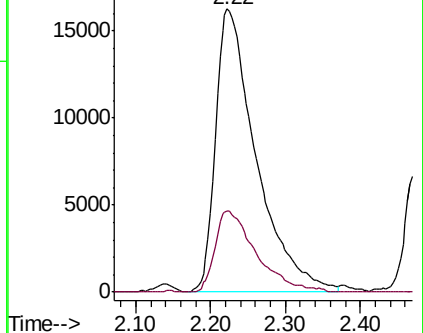
43 100

58 29.2 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV008778.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008778.D (-336) (-)



#14

Carbon disulfide

Concen: 4.573 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VV008804.D

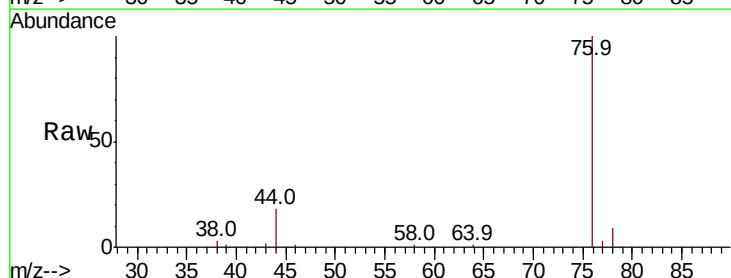
Acq: 30 Nov 2018 10:10

Tgt Ion: 76 Resp: 110793

Ion Ratio Lower Upper

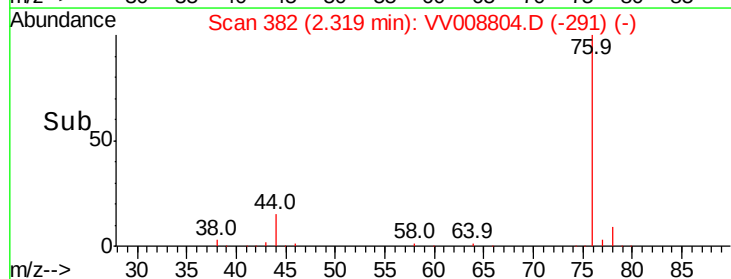
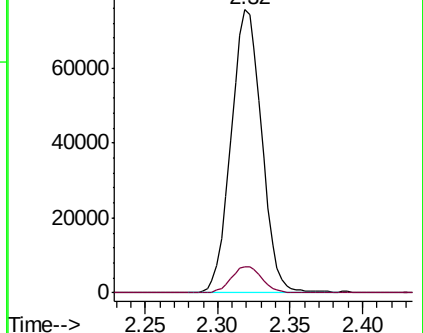
76 100

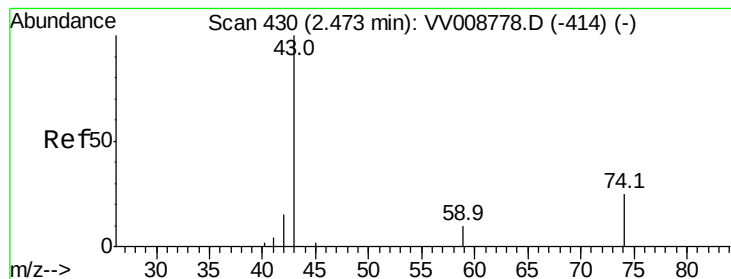
78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV008778.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV008778.D (-372) (-)





#15

Methvl Acetate

Concen: 4.421 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

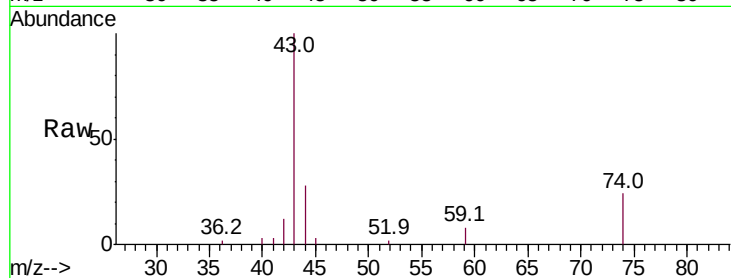
VSTD00572

Tot Ion: 43 Resp: 15510

Ion Ratio Lower Upper

43 100

74 22.2 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VV008804.D (-337) (-)

Ion 74.05 (73.75 to 74.75): VV008804.D (-337) (-)

2.47

6000

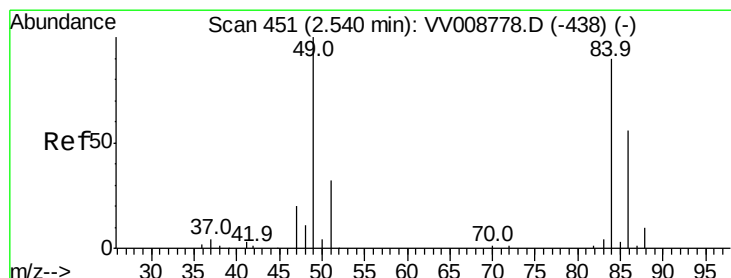
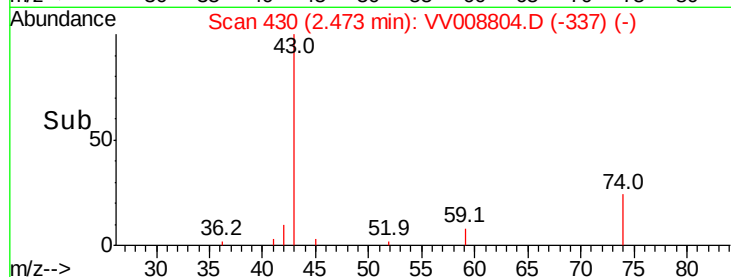
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.247 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

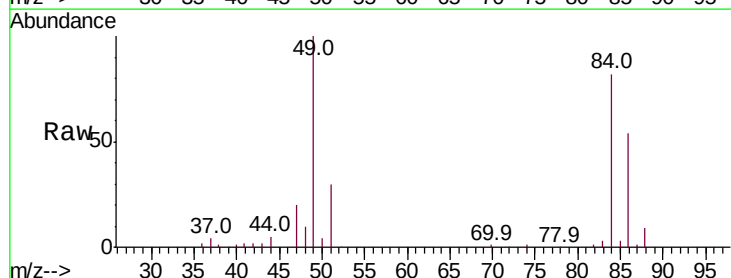
Tgt Ion: 84 Resp: 39983

Ion Ratio Lower Upper

84 100

86 66.2 45.8 85.2

49 121.9 85.9 159.5



Abundance Ion 84.05 (83.75 to 84.75): VV008804.D (-358) (-)

Ion 86.00 (85.70 to 86.70): VV008804.D (-358) (-)

Ion 49.10 (48.80 to 49.80): VV008804.D (-358) (-)

2.54

40000

30000

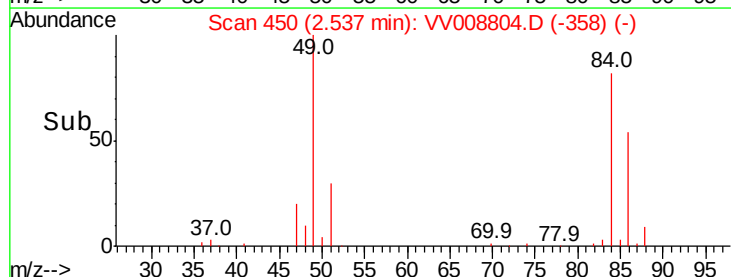
20000

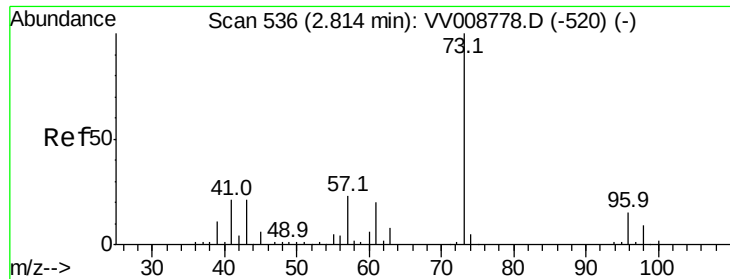
10000

0

Time-->

2.50 2.55 2.60

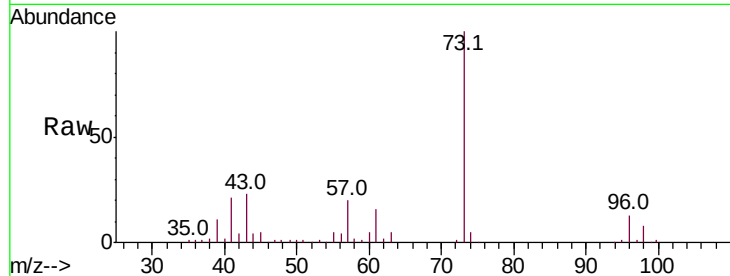




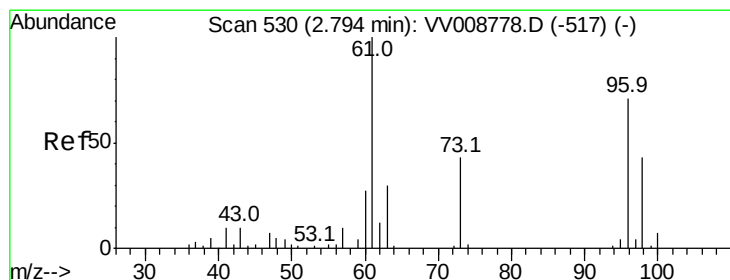
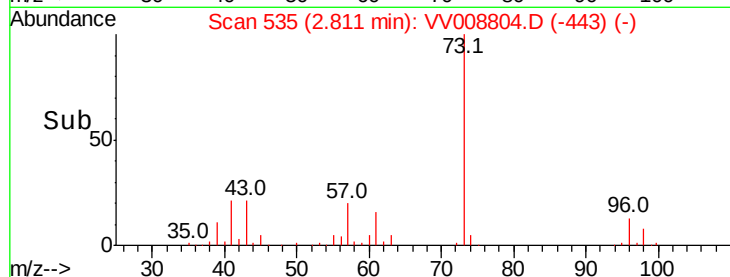
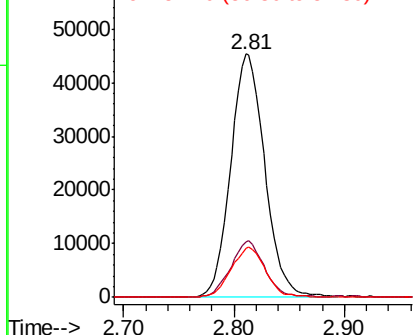
#17
Methyl tert-butyl Ether
Concen: 4.727 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

Tot Ion: 73 Resp: 97163
Ion Ratio Lower Upper
73 100
43 23.1 18.0 27.0
57 20.7 17.2 25.8

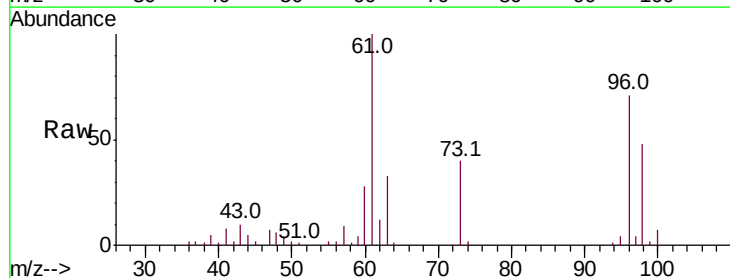


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

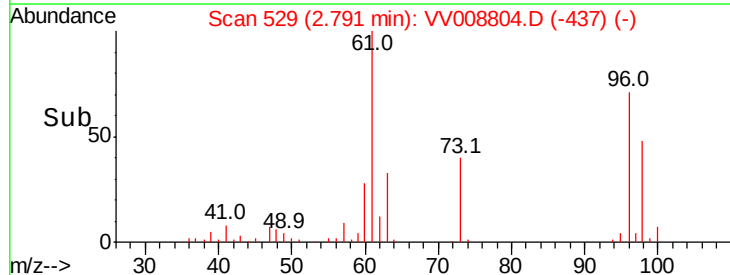
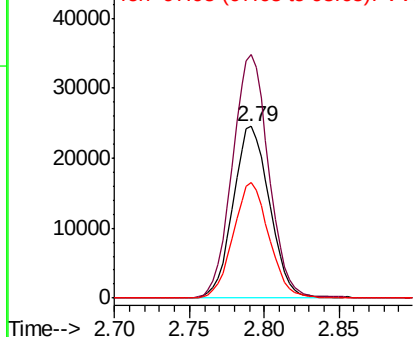


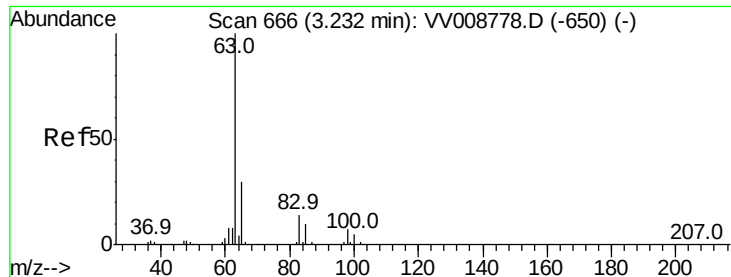
#18
trans-1,2-Dichloroethene
Concen: 4.557 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

Tgt Ion: 96 Resp: 41799
Ion Ratio Lower Upper
96 100
61 141.8 95.8 177.8
98 67.4 43.3 80.3



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

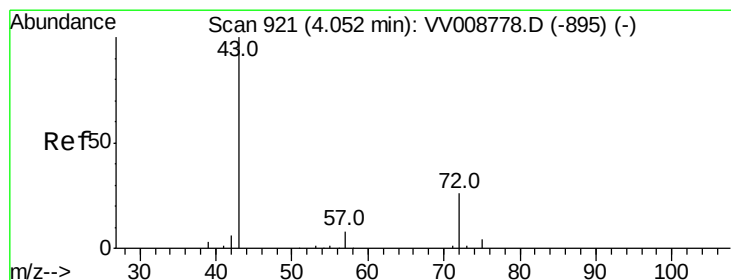
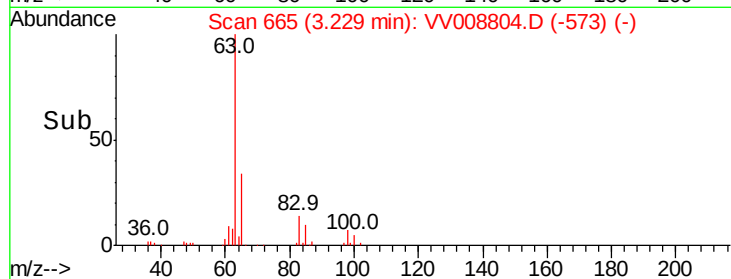
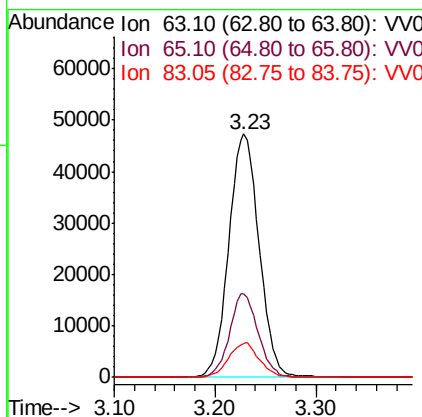
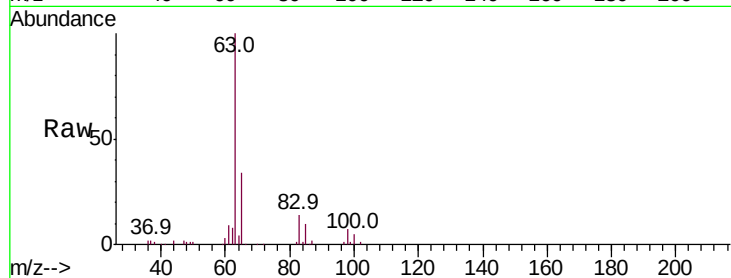




#19
 1,1-Dichloroethane
 Concen: 4.847 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

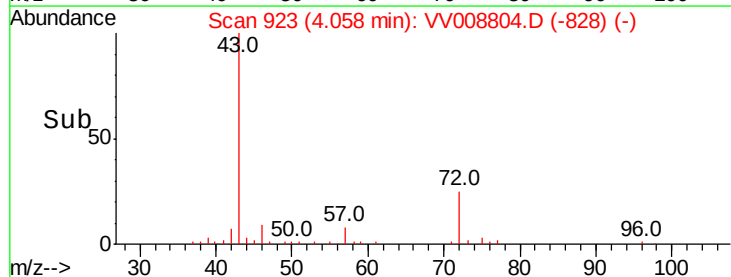
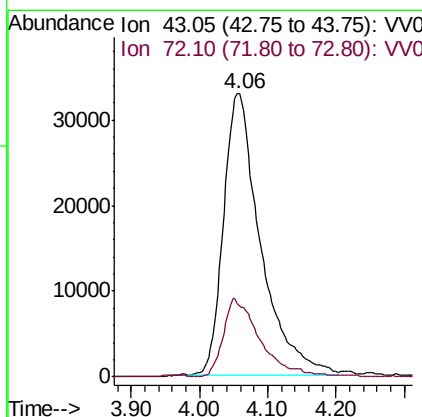
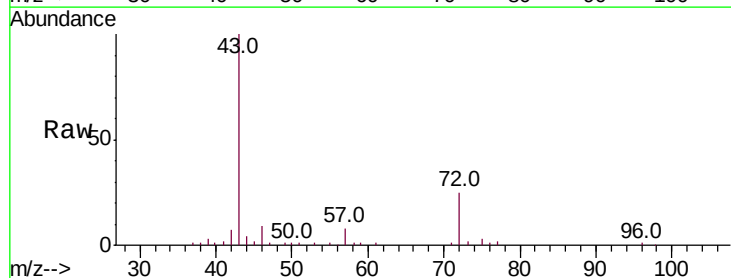
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

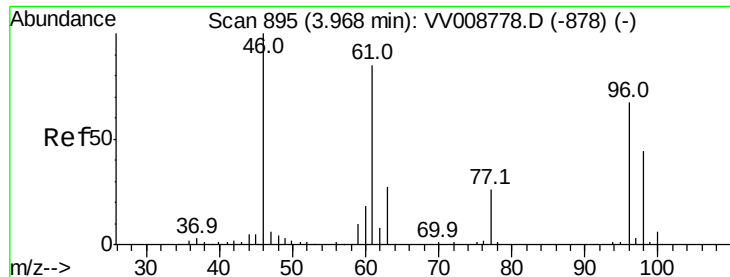
Tot Ion	63	Resp	98827
Ion Ratio	Lower	Upper	
63	100		
65	34.5	21.3	39.6
83	14.0	9.9	18.5



#21
 2-Butanone
 Concen: 47.208 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

Tgt Ion	43	Resp	124044
Ion Ratio	Lower	Upper	
43	100		
72	26.1	13.6	40.8



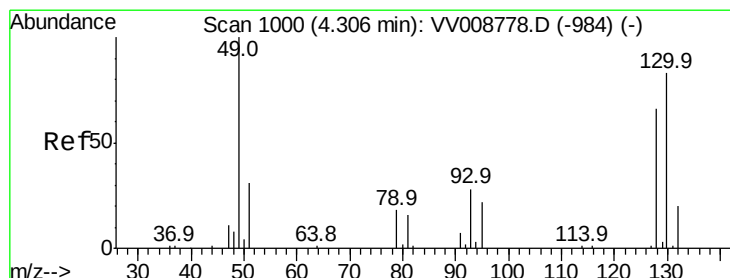
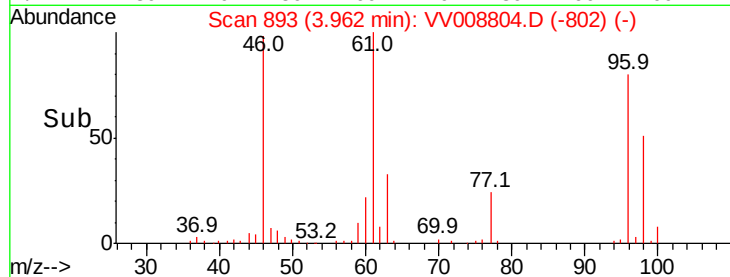
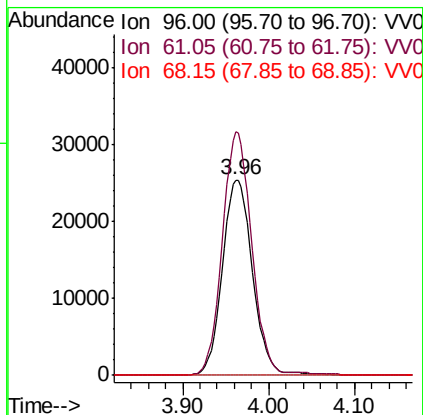
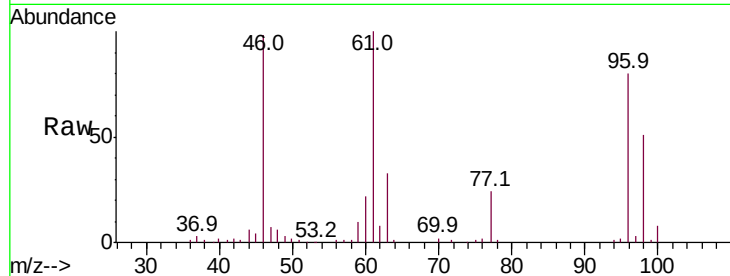


#22

cis-1,2-Dichloroethene
 Concen: 4.800 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

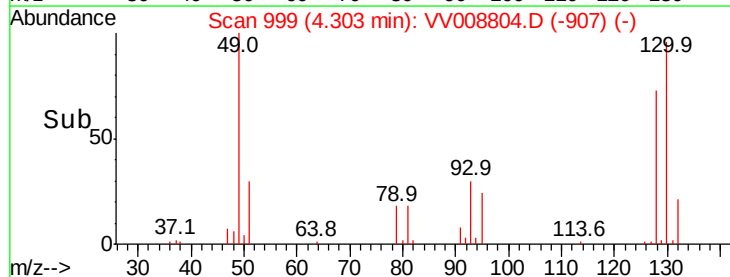
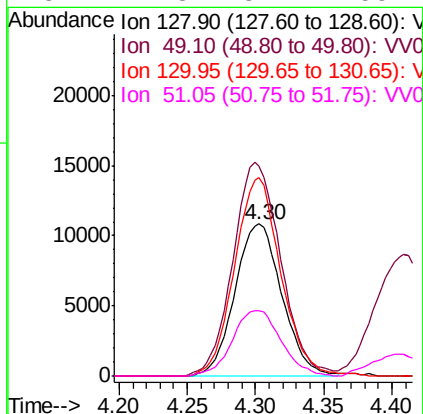
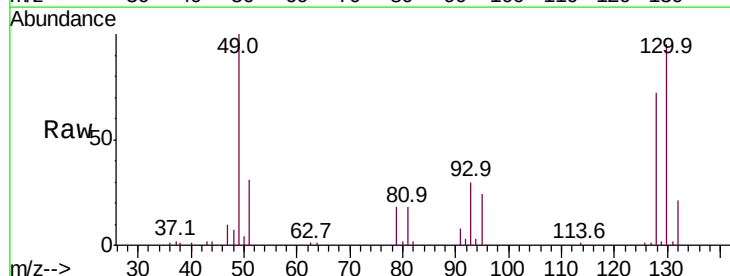
Tot Ion: 96 Resp: 61861
 Ion Ratio Lower Upper
 96 100
 61 124.5 85.9 159.5
 68 0.0 0.0 0.0

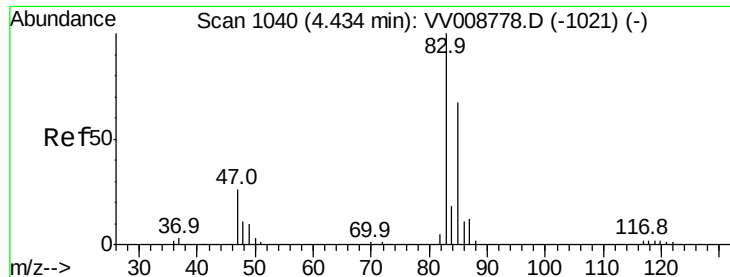


#23

Bromochloromethane
 Concen: 4.909 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

Tgt Ion: 128 Resp: 25955
 Ion Ratio Lower Upper
 128 100
 49 138.1 100.4 186.4
 130 131.2 88.5 164.4
 51 42.8 37.1 55.7

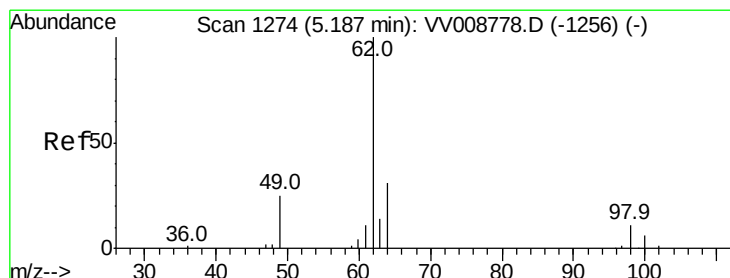
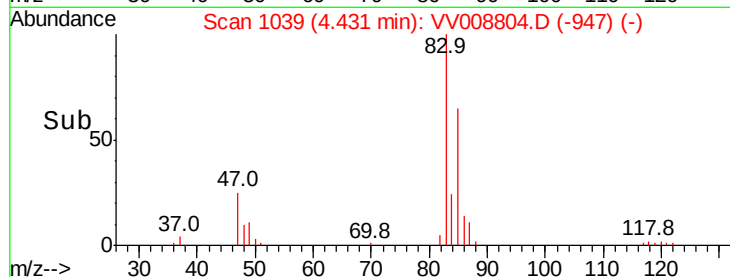
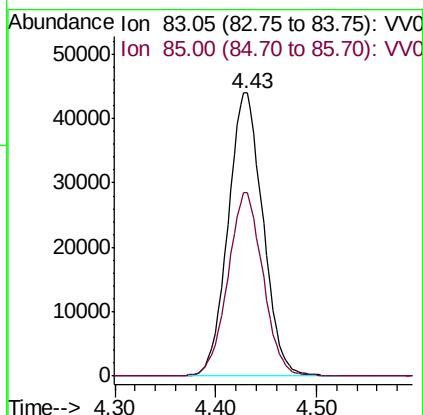
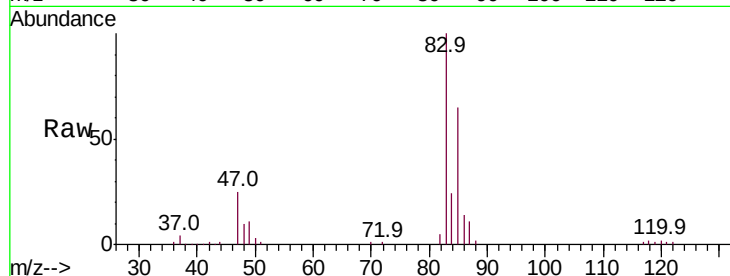




#25
Chloroform
Concen: 4.763 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

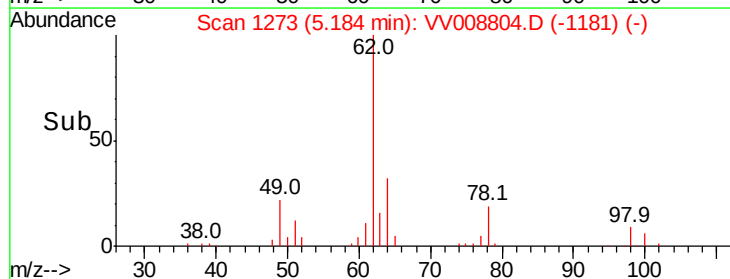
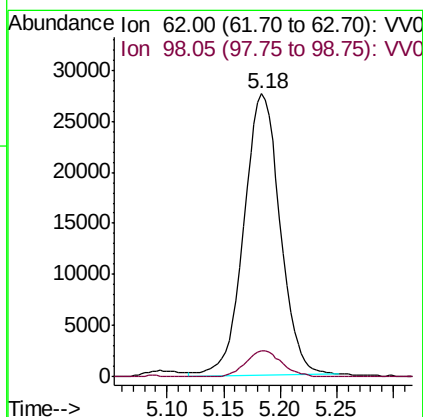
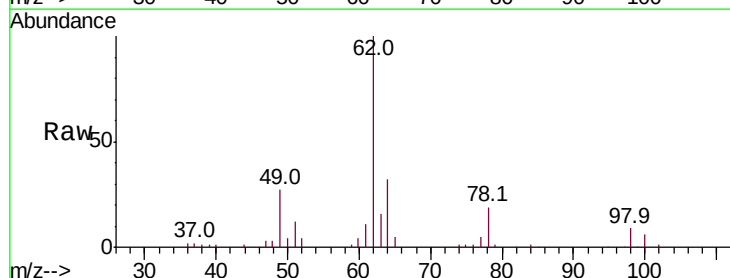
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

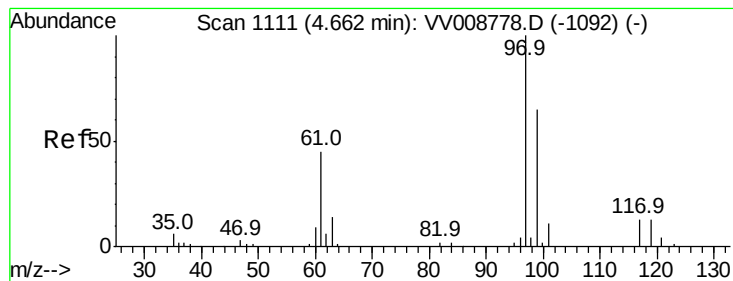
Tot Ion: 83 Resp: 105533
Ion Ratio Lower Upper
83 100
85 64.9 47.0 87.4



#27
1,2-Dichloroethane
Concen: 4.811 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

Tgt Ion: 62 Resp: 61251
Ion Ratio Lower Upper
62 100
98 9.2 7.7 11.5





#29

1,1,1-Trichloroethane

Concen: 4.929 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

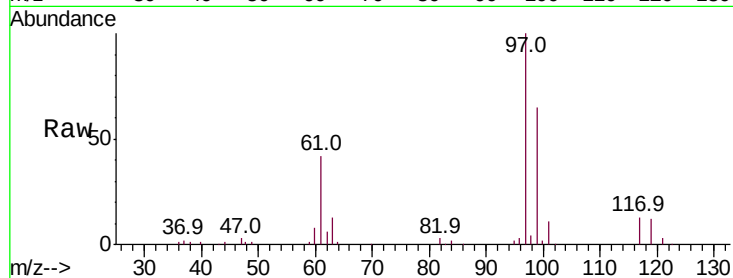
Tot Ion: 97 Resp: 89339

Ion Ratio Lower Upper

97 100

99 64.6 52.1 78.1

61 42.0 33.9 50.9

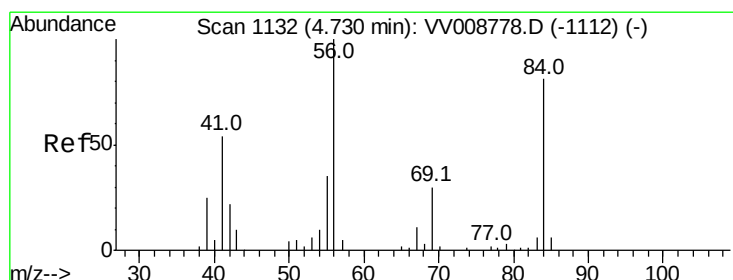
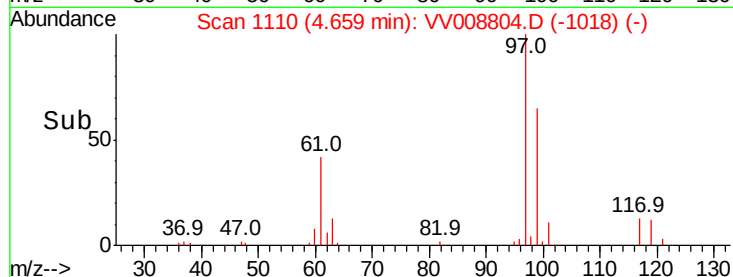
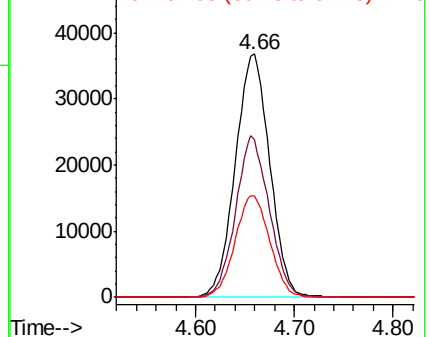


Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.712 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

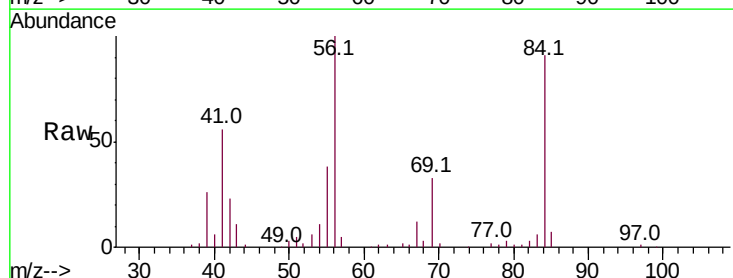
Tgt Ion: 56 Resp: 89932

Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 88.5 70.8 106.2

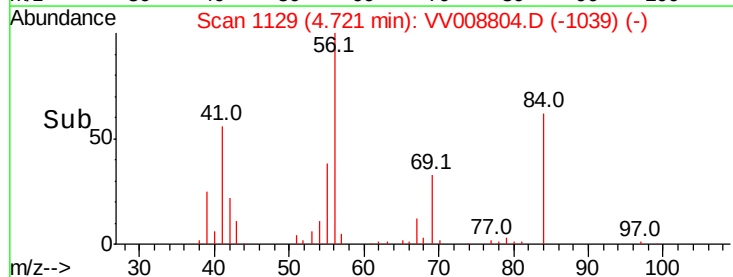
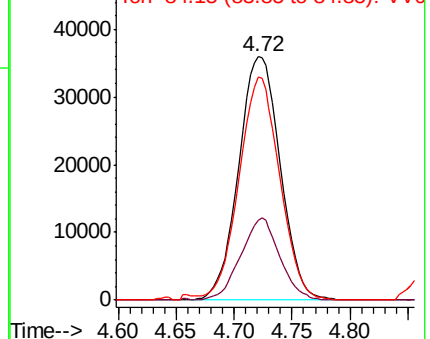


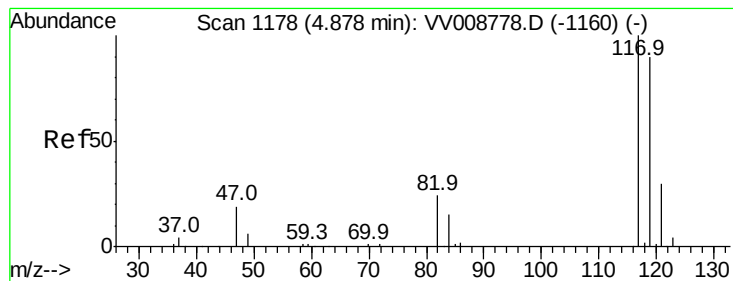
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.979 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

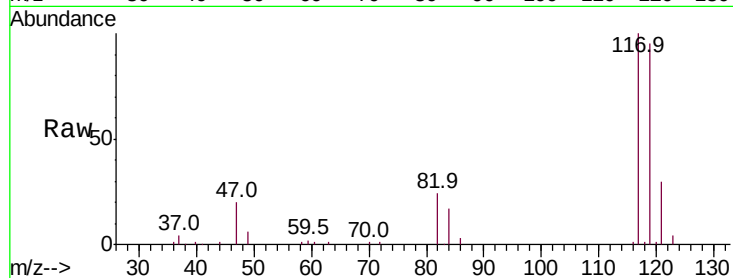
VSTD00572

Tot Ion:117 Resp: 78111

Ion Ratio Lower Upper

117 100

119 96.6 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

30000

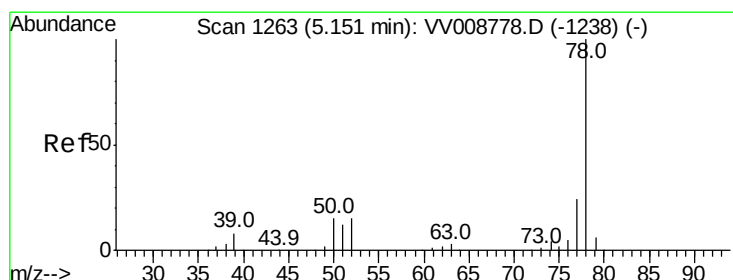
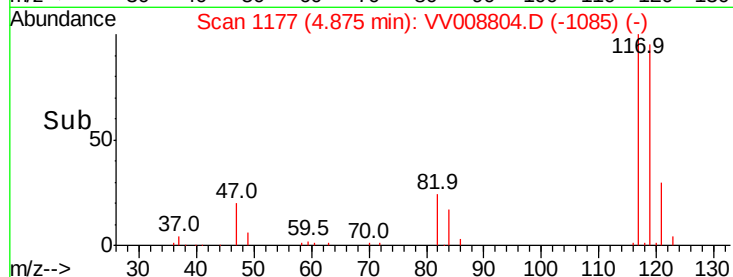
20000

10000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 4.870 ug/L

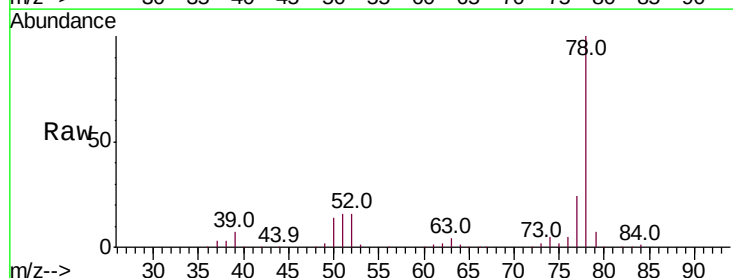
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Tgt Ion: 78 Resp: 226781



Abundance Ion 78.10 (77.80 to 78.80): VV0

120000

100000

80000

60000

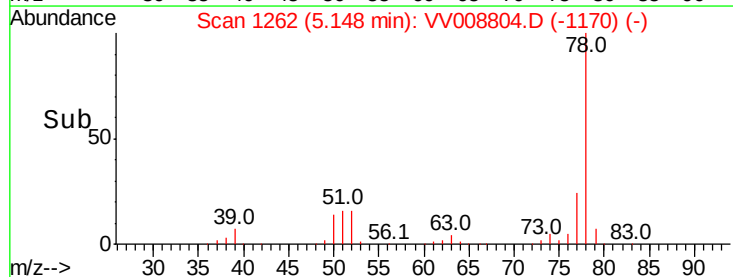
40000

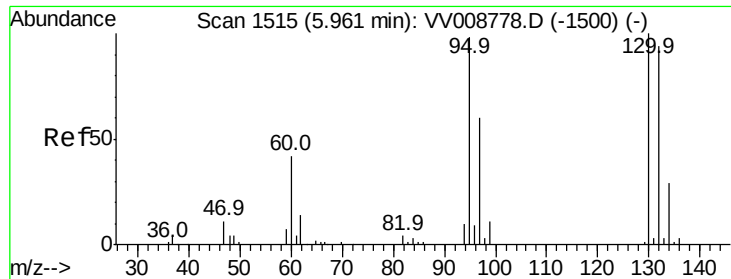
20000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 4.978 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

Tot Ion: 95 Resp: 64446

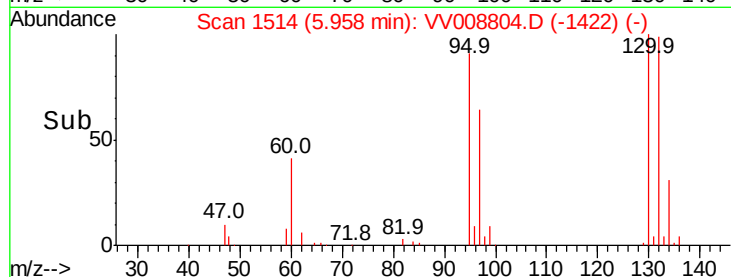
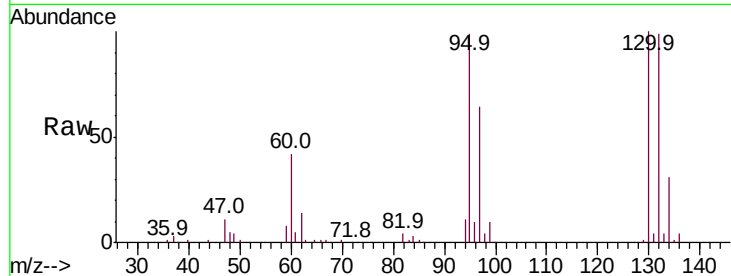
Ion Ratio Lower Upper

95 100

97 64.9 46.5 86.3

132 100.0 69.4 128.8

130 101.1 73.1 135.8



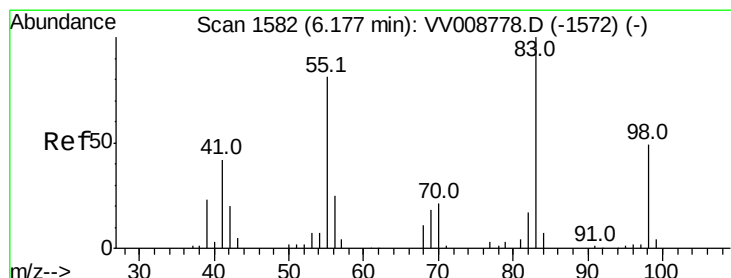
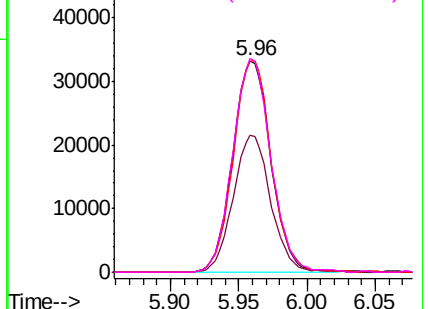
Abundance

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

Methylcyclohexane

Concen: 4.942 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

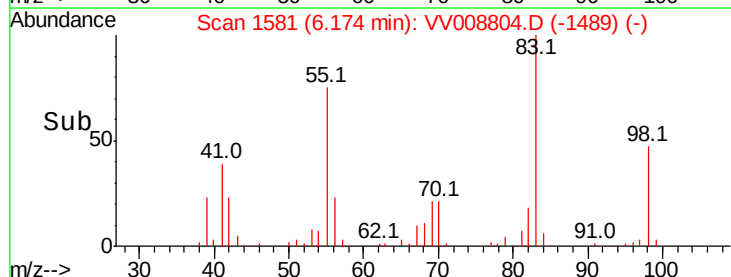
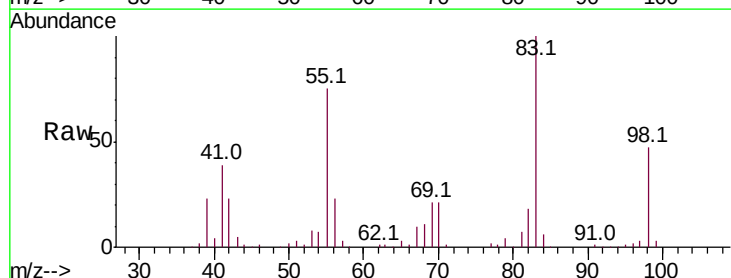
Tgt Ion: 83 Resp: 101473

Ion Ratio Lower Upper

83 100

55 75.5 60.1 90.1

98 46.6 37.4 56.2

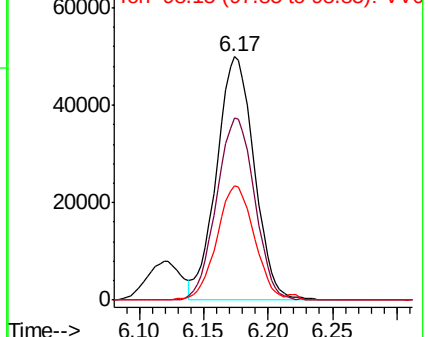


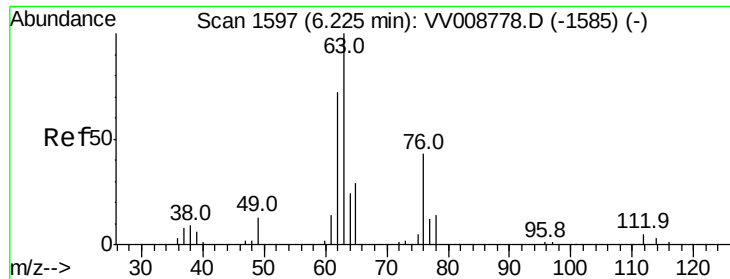
Abundance

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: 4.752 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

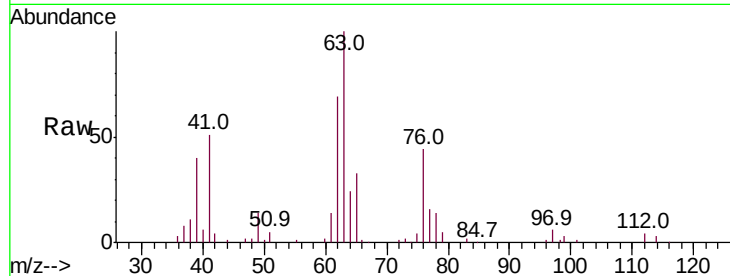
VSTD00572

Tot Ion: 63 Resp: 55006

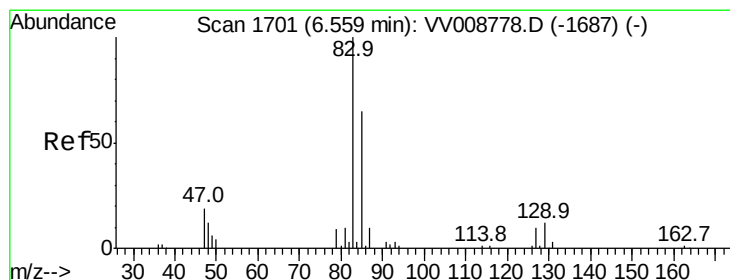
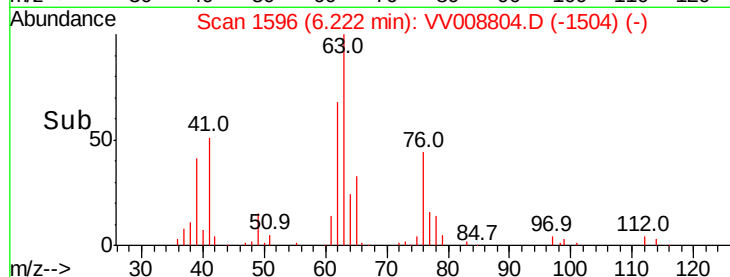
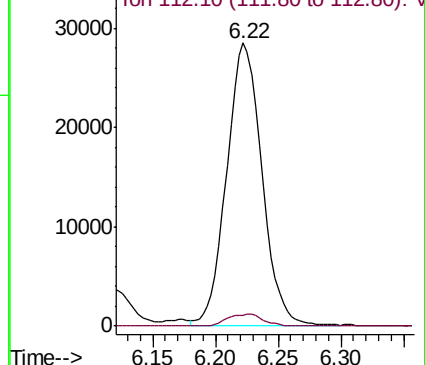
Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV008778.D (-1585) (-)



#38

Bromodichloromethane

Concen: 4.986 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

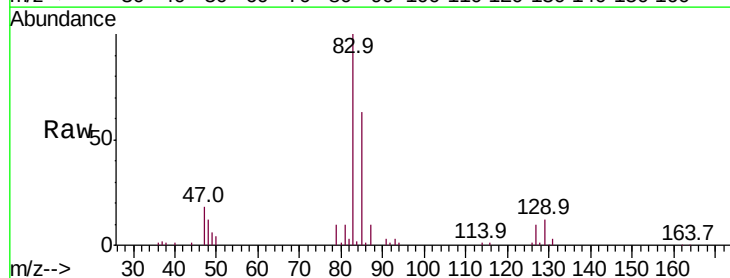
Tgt Ion: 83 Resp: 65900

Ion Ratio Lower Upper

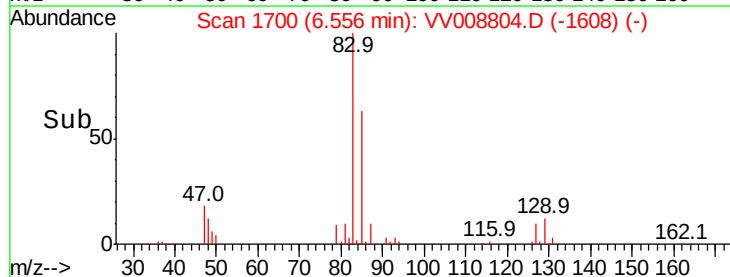
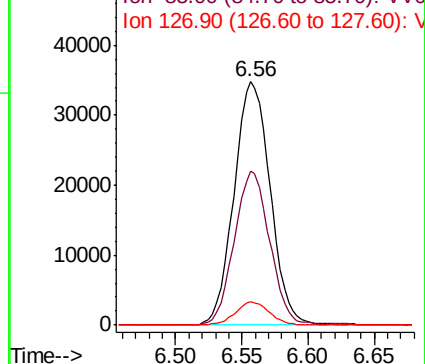
83 100

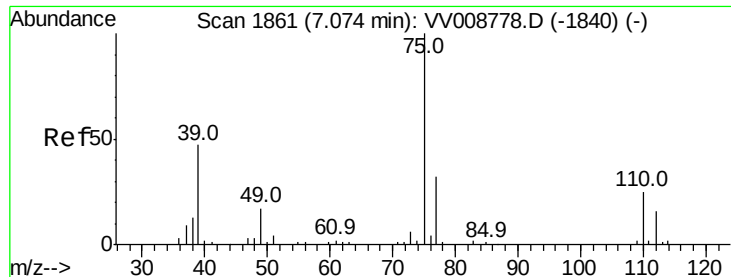
85 63.2 44.4 82.4

127 9.5 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV008778.D (-1687) (-)

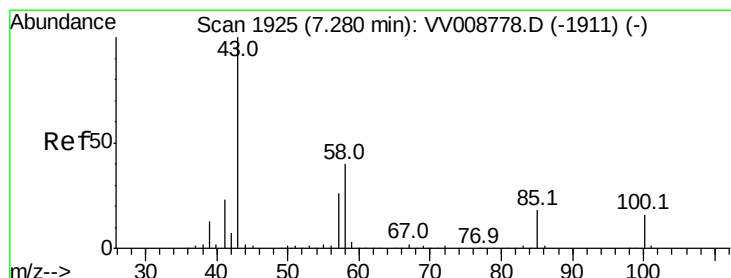
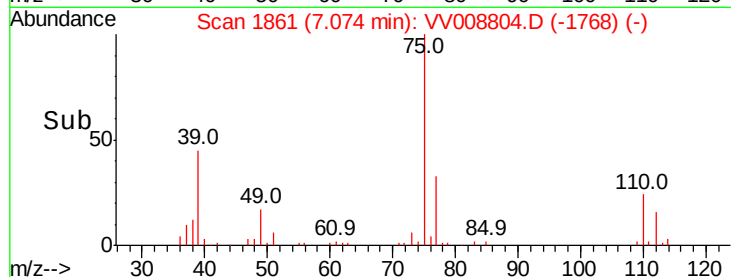
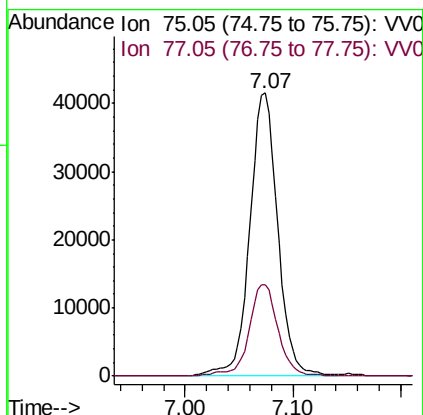
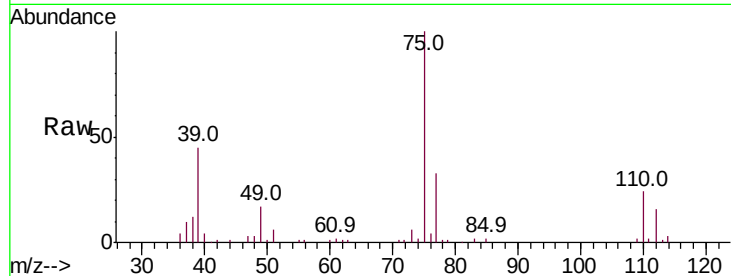




#39
 cis-1,3-Dichloropropene
 Concen: 4.931 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

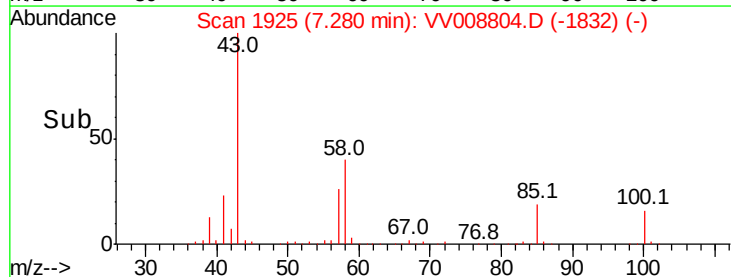
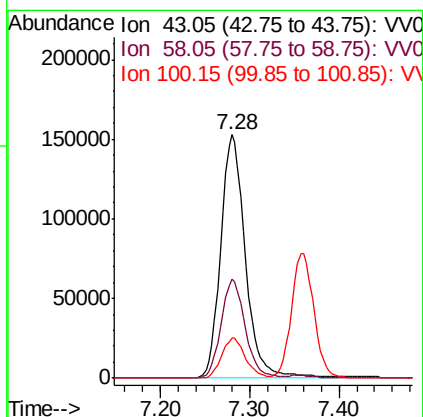
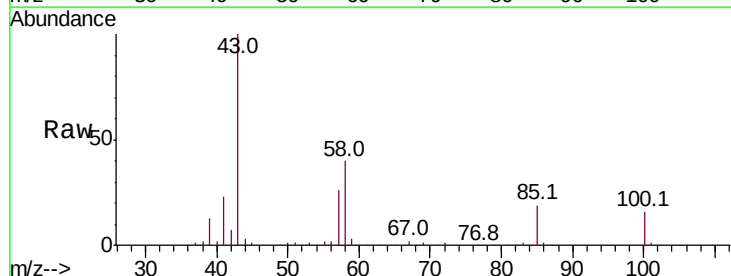
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

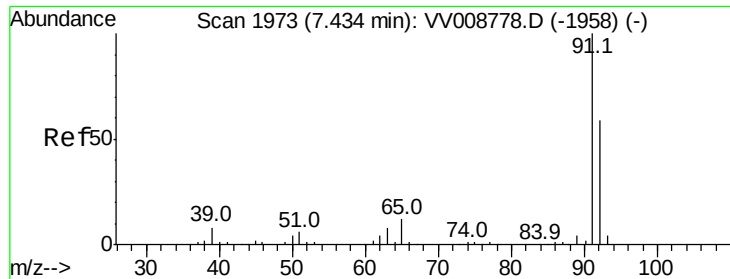
Tot Ion: 75 Resp: 74958
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 48.803 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

Tgt Ion: 43 Resp: 292376
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.3 46.9
 100 15.9 12.6 19.0





#42

Toluene

Concen: 4.974 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

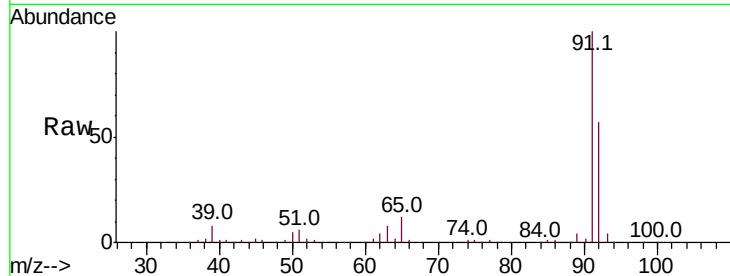
VSTD00572

Tot Ion: 91 Resp: 242437

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



Abundance Ion 91.15 (90.85 to 91.85): VV008778.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008778.D (-1958) (-)

7.43

150000

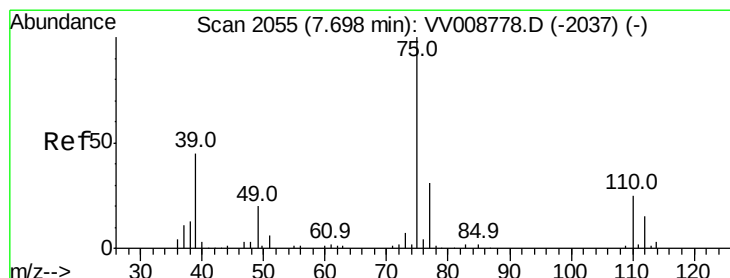
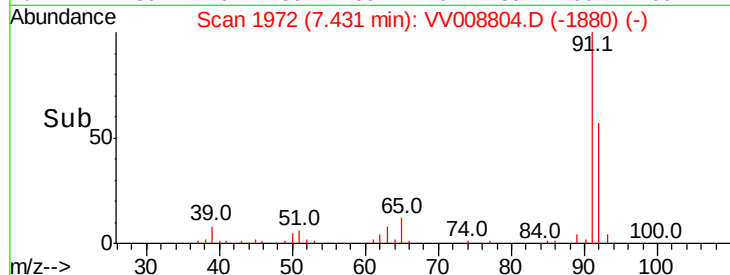
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.922 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008804.D

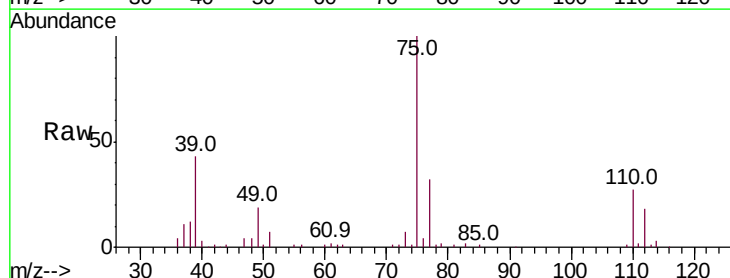
Acq: 30 Nov 2018 10:10

Tgt Ion: 75 Resp: 58986

Ion Ratio Lower Upper

75 100

77 31.8 21.3 39.5



Abundance Ion 75.05 (74.75 to 75.75): VV008778.D (-2037) (-)

Ion 77.05 (76.75 to 77.75): VV008778.D (-2037) (-)

7.69

40000

30000

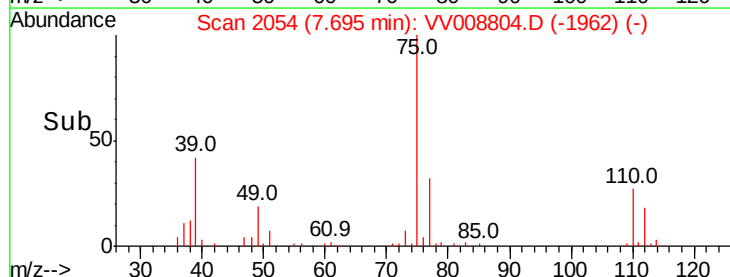
20000

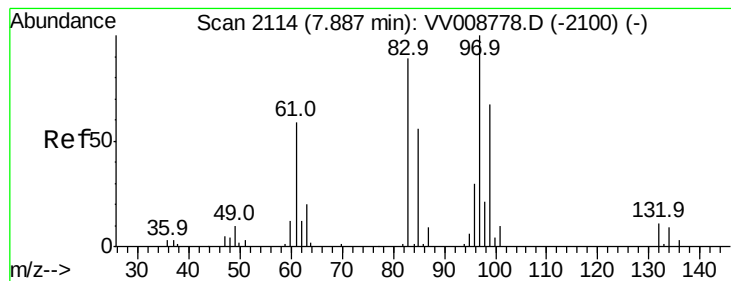
10000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.931 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

Tot Ion: 97 Resp: 37868

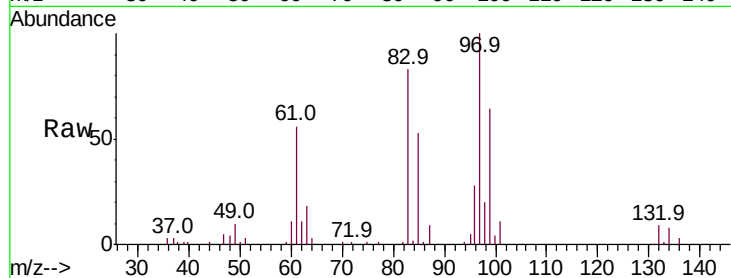
Ion Ratio Lower Upper

97 100

99 64.1 44.2 82.2

83 83.4 59.6 110.6

85 53.0 38.8 72.0

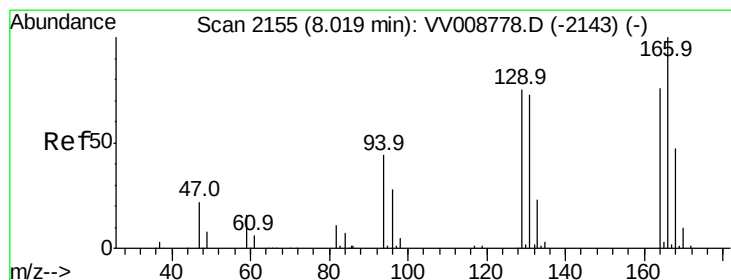
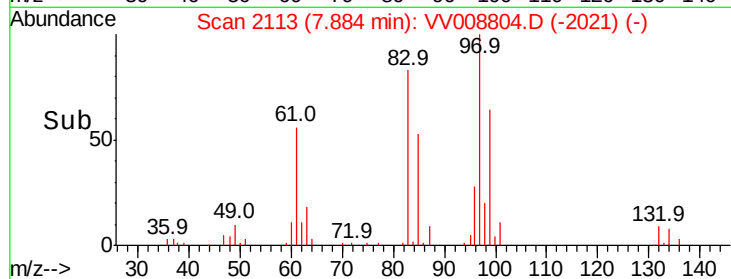
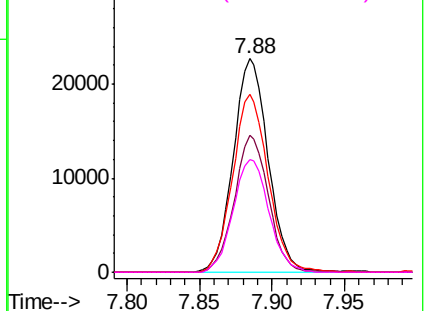


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.021 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Tgt Ion:164 Resp: 50275

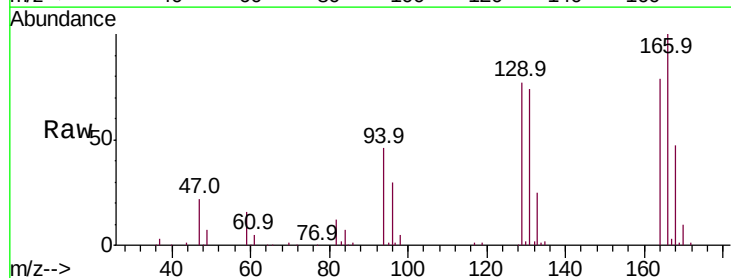
Ion Ratio Lower Upper

164 100

129 97.7 67.5 125.3

131 94.0 65.9 122.5

166 127.0 89.2 165.6

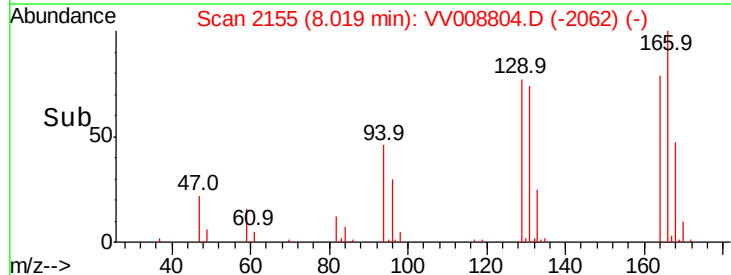
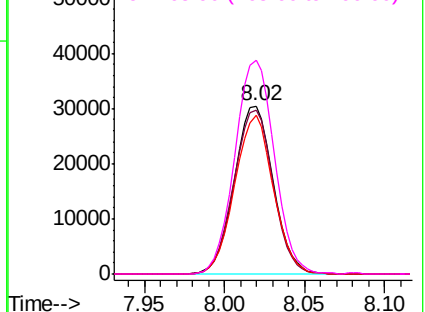


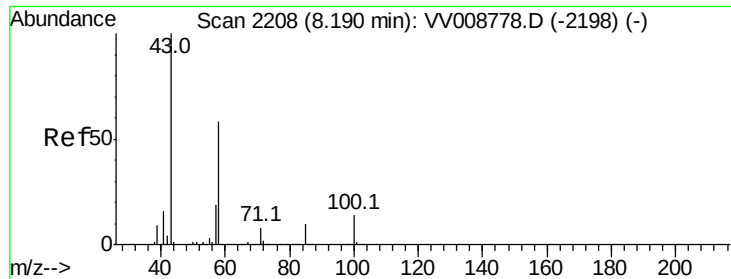
Abundance Ion 163.90 (163.60 to 164.60): V

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

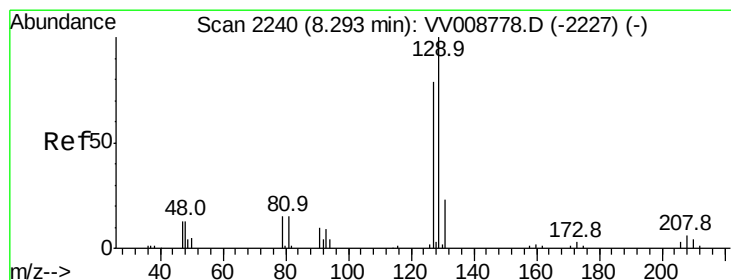
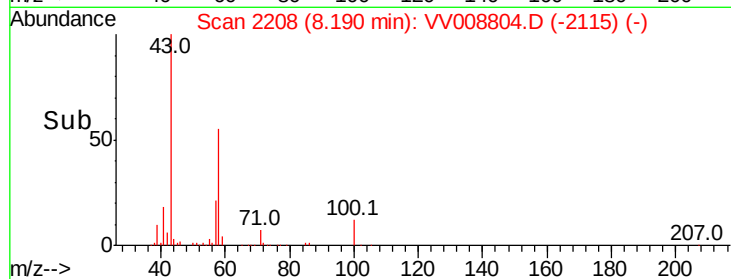
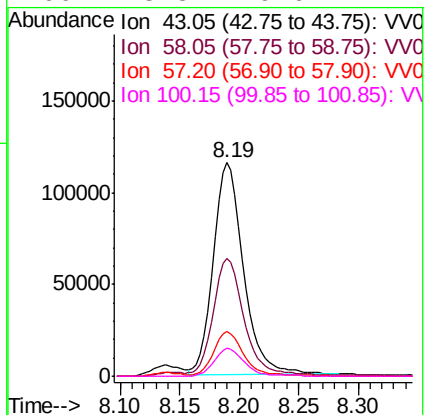
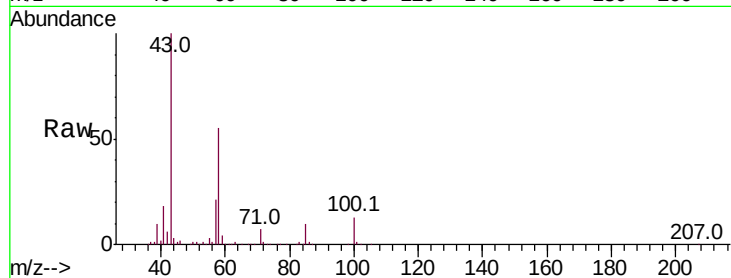




#48
2-Hexanone
Concen: 48.745 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

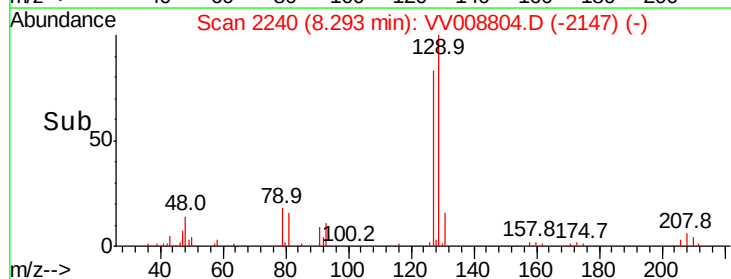
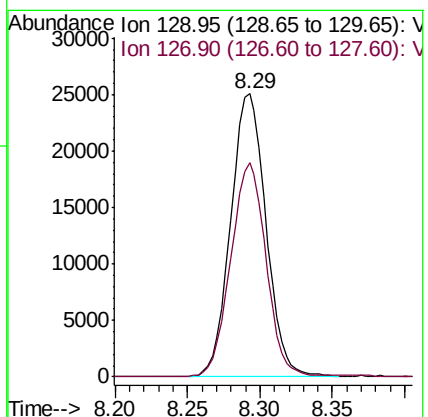
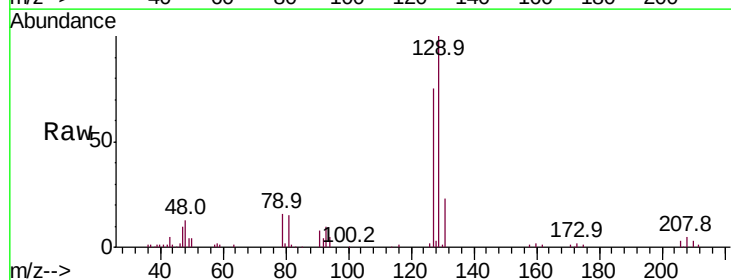
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

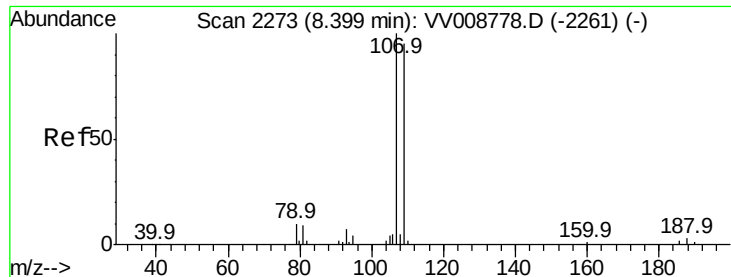
Tot Ion: 43 Resp: 205013
Ion Ratio Lower Upper
43 100
58 56.4 44.5 66.7
57 20.4 15.2 22.8
100 13.3 9.6 14.4



#49
Dibromochloromethane
Concen: 5.083 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

Tgt Ion: 129 Resp: 42500
Ion Ratio Lower Upper
129 100
127 75.5 55.3 102.7

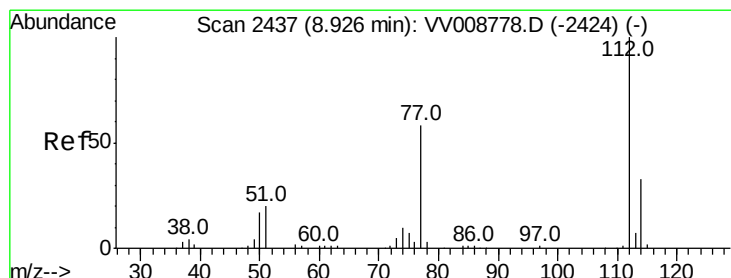
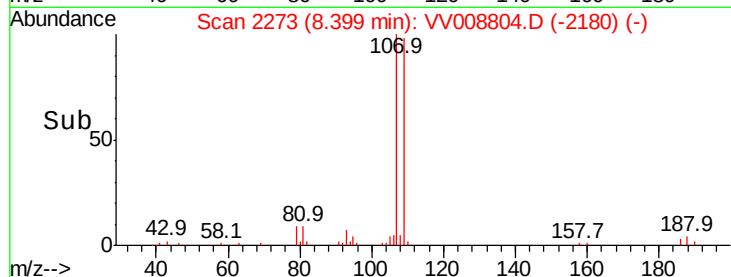
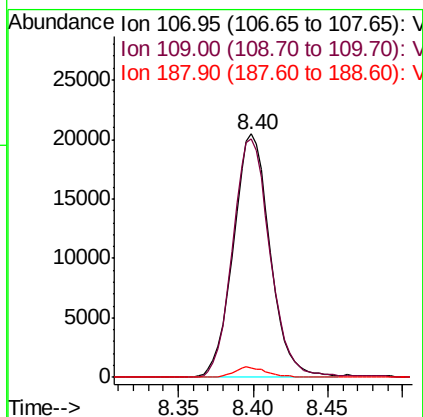
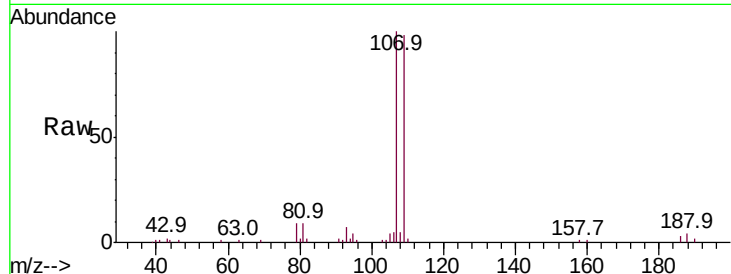




#50
1,2-Dibromoethane
Concen: 4.855 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

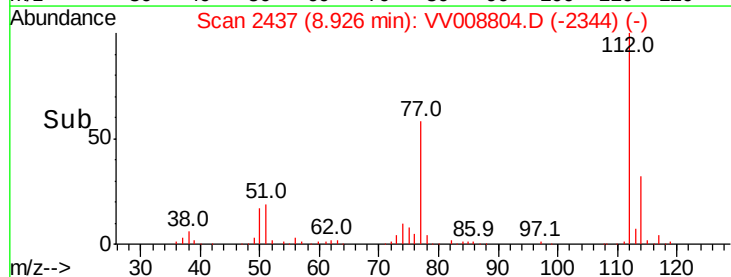
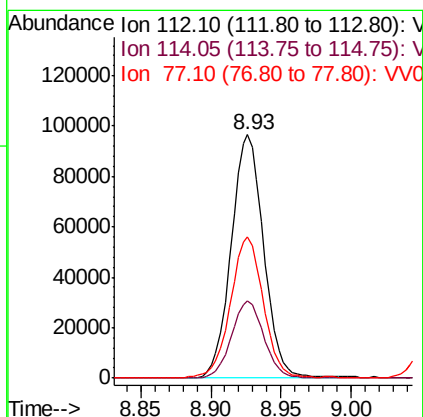
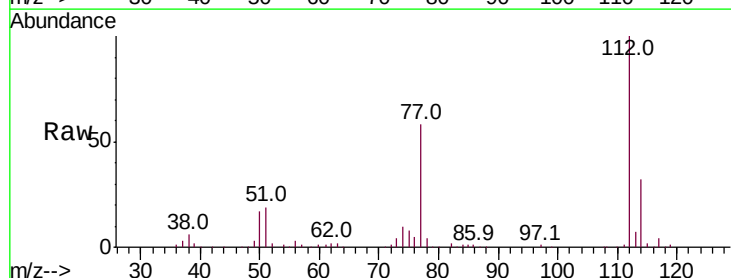
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

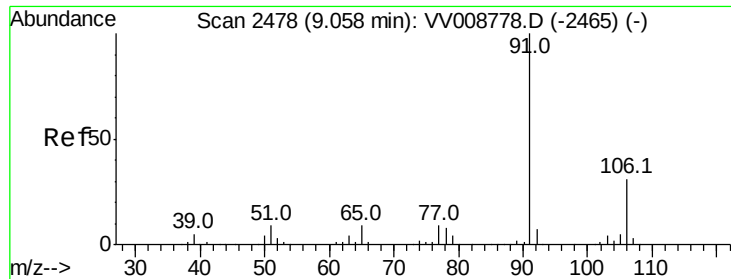
Tot Ion:107 Resp: 34998
Ion Ratio Lower Upper
107 100
109 98.1 67.8 126.0
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 4.859 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

Tgt Ion:112 Resp: 155890
Ion Ratio Lower Upper
112 100
114 31.5 22.8 42.4
77 57.9 46.2 69.4

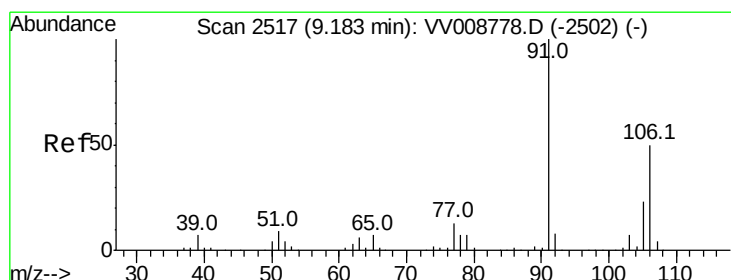
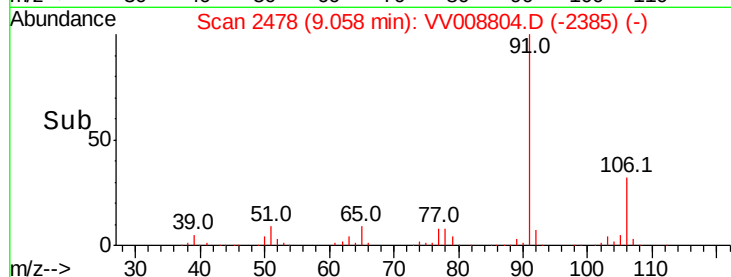
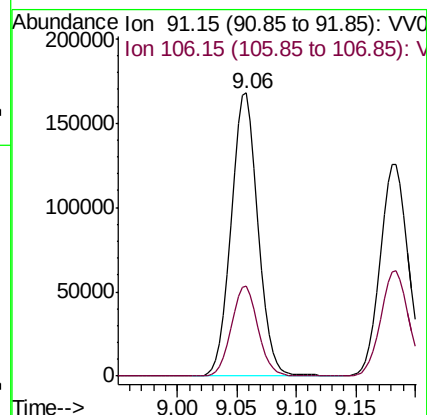
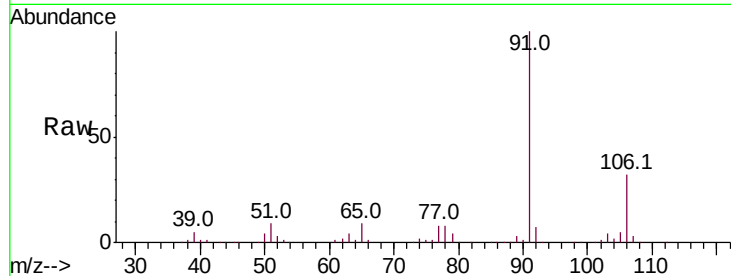




#52
Ethylbenzene
Concen: 4.980 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

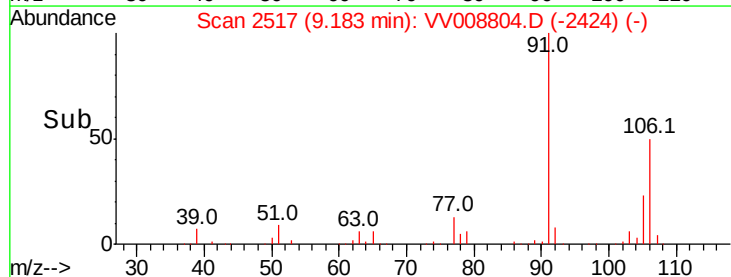
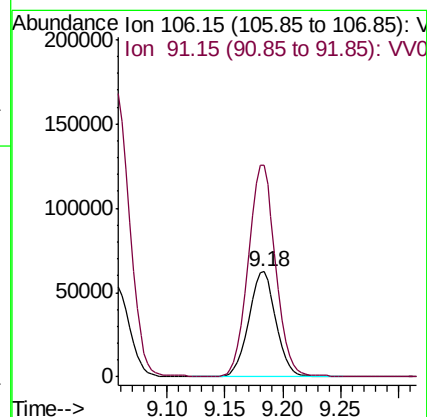
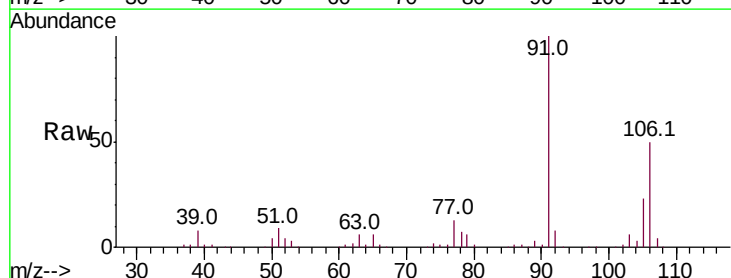
Instrument :
MSVOA_V
ClientSampleId :
VSTD00572

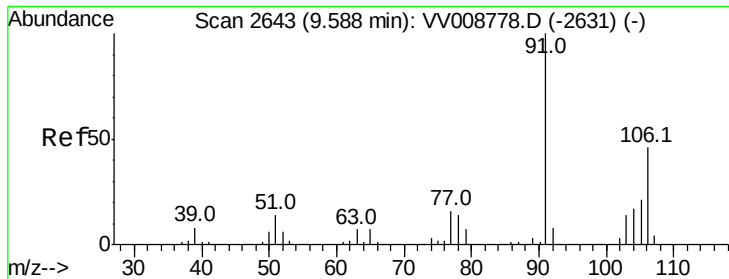
Tot Ion: 91 Resp: 262628
Ion Ratio Lower Upper
91 100
106 31.6 22.4 41.6



#53
m,p-xylene
Concen: 5.144 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008804.D
Acq: 30 Nov 2018 10:10

Tgt Ion: 106 Resp: 101750
Ion Ratio Lower Upper
106 100
91 200.9 145.5 270.3





#54

o-xylene

Concen: 5.103 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

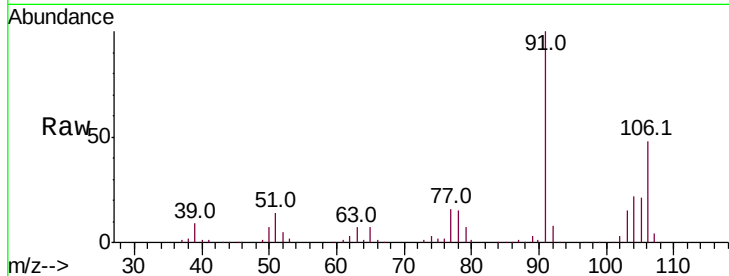
VSTD00572

Tot Ion:106 Resp: 97370

Ion Ratio Lower Upper

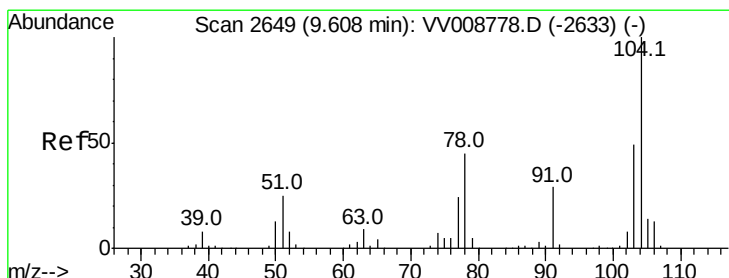
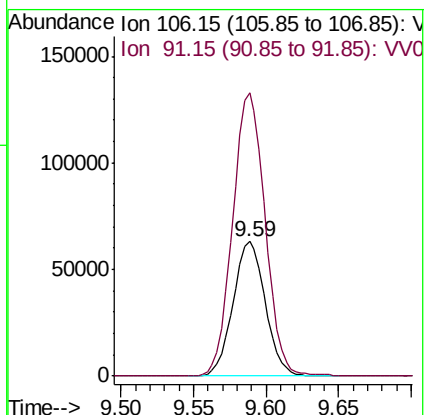
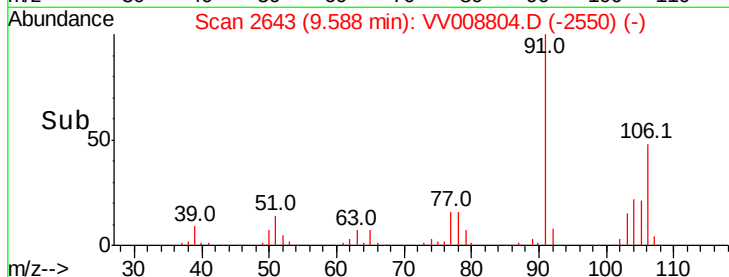
106 100

91 210.0 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.184 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV008804.D

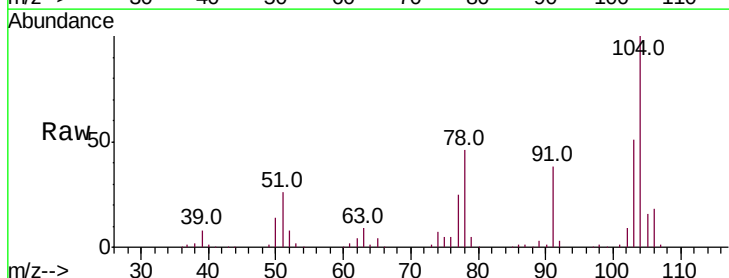
Acq: 30 Nov 2018 10:10

Tgt Ion:104 Resp: 164448

Ion Ratio Lower Upper

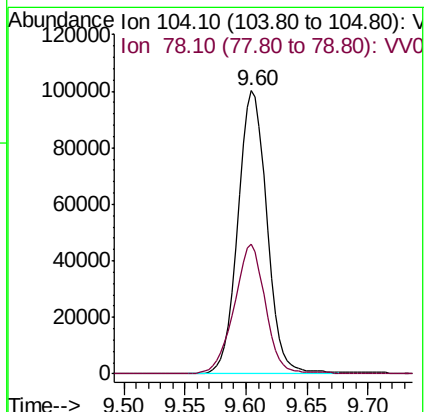
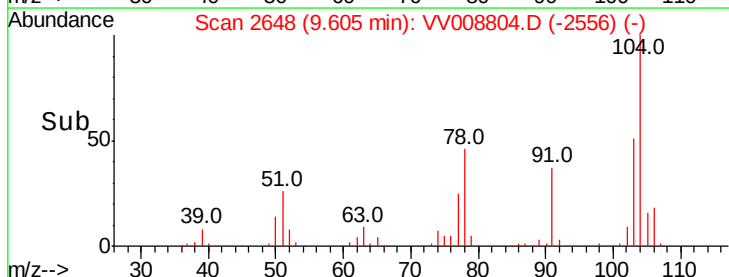
104 100

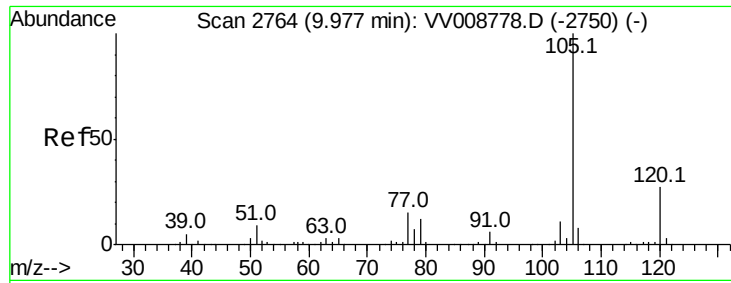
78 46.1 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.016 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

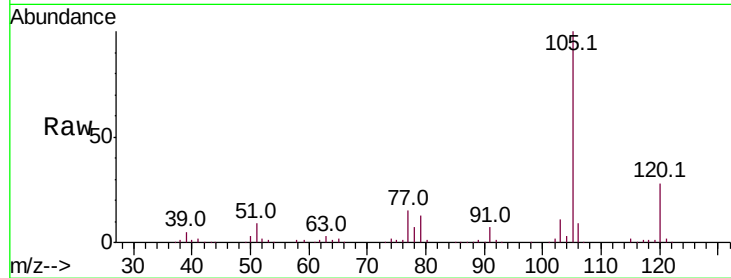
Tot Ion:105 Resp: 260677

Ion Ratio Lower Upper

105 100

120 27.1 21.5 32.3

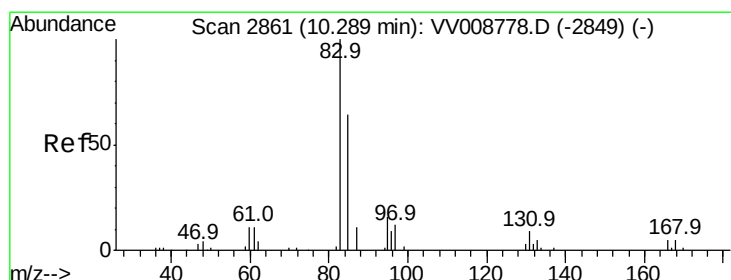
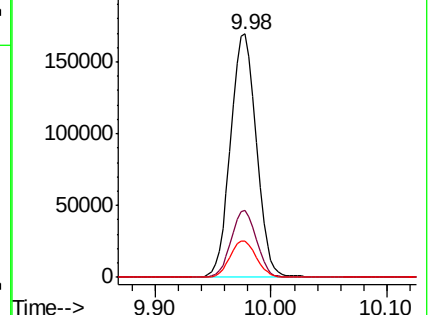
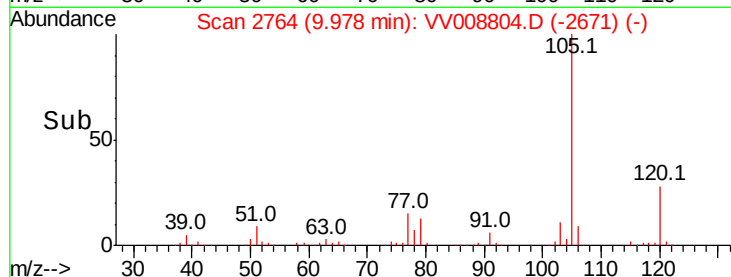
77 15.1 12.2 18.4



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: 4.962 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

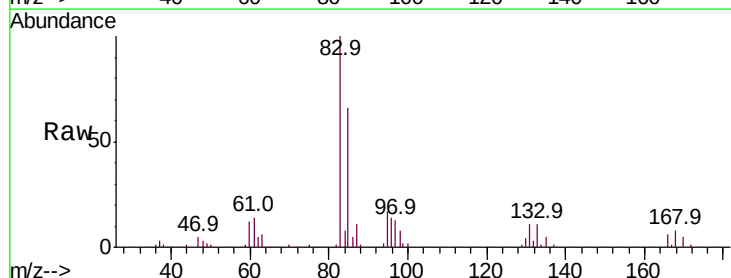
Tgt Ion: 83 Resp: 40636

Ion Ratio Lower Upper

83 100

85 65.6 45.6 84.8

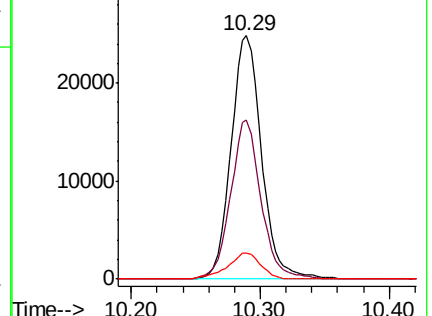
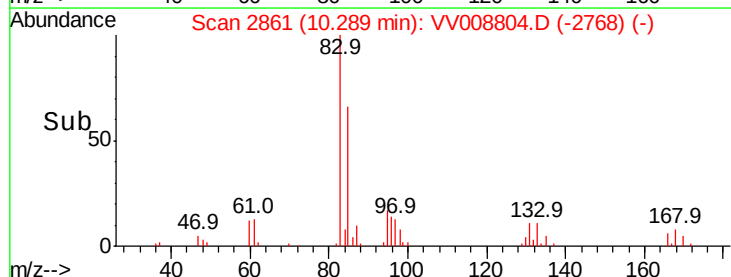
131 10.8 7.3 10.9

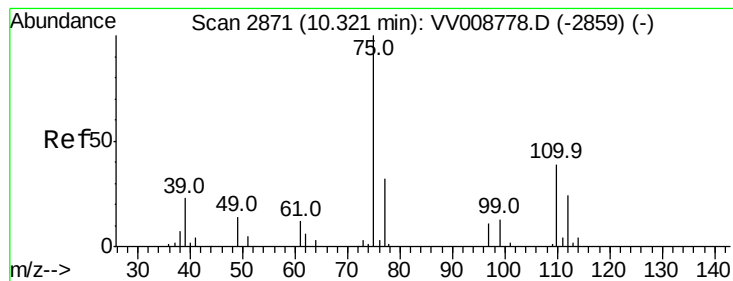


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.913 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

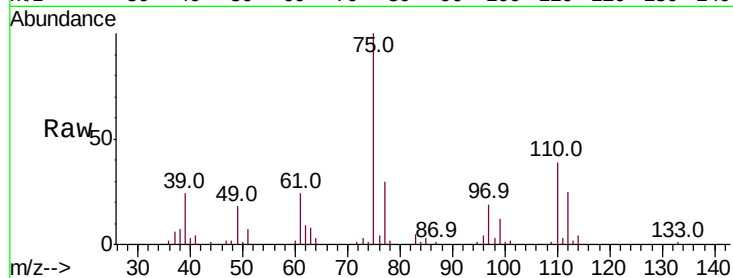
VSTD00572

Tot Ion: 75 Resp: 32631

Ion Ratio Lower Upper

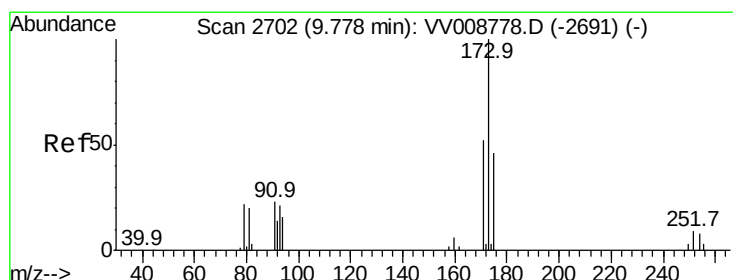
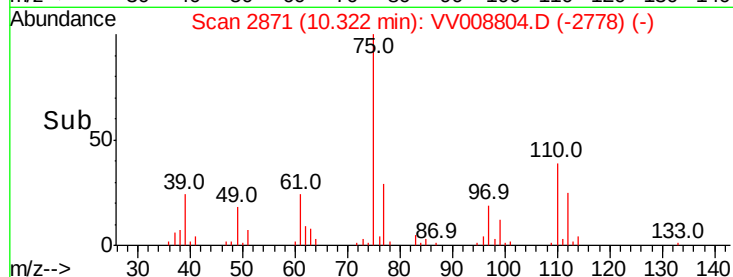
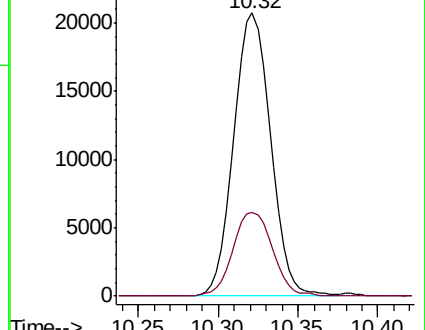
75 100

77 31.8 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV008778.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008778.D (-2859) (-)



#61

Bromoform

Concen: 5.009 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

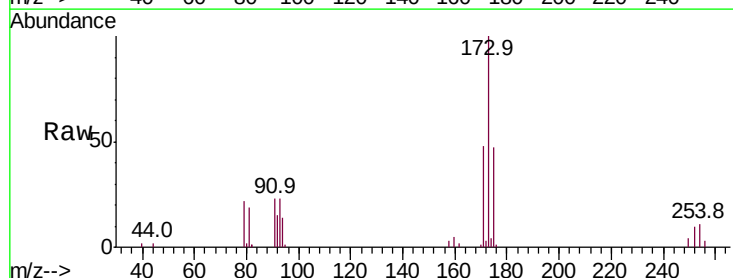
Tgt Ion: 173 Resp: 20633

Ion Ratio Lower Upper

173 100

175 47.1 39.6 59.4

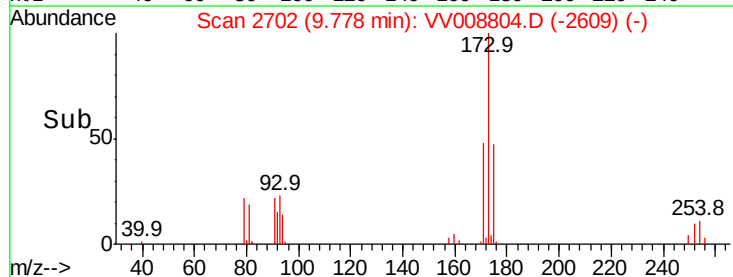
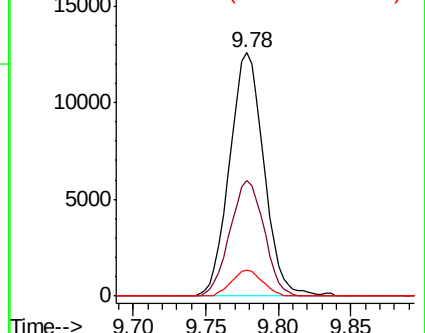
254 9.5 6.9 10.3

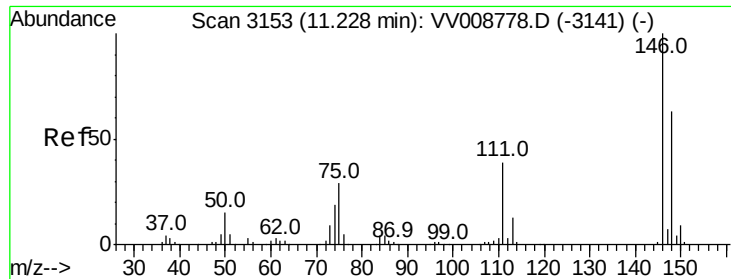


Abundance Ion 172.90 (172.60 to 173.60): VV008778.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV008778.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV008778.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 4.835 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

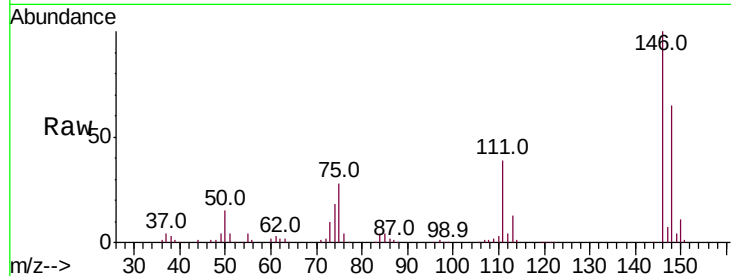
Tot Ion:146 Resp: 120888

Ion Ratio Lower Upper

146 100

111 39.0 28.1 52.1

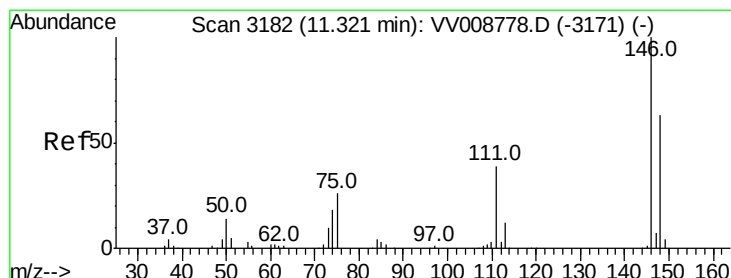
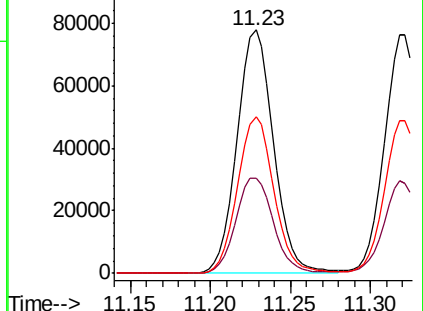
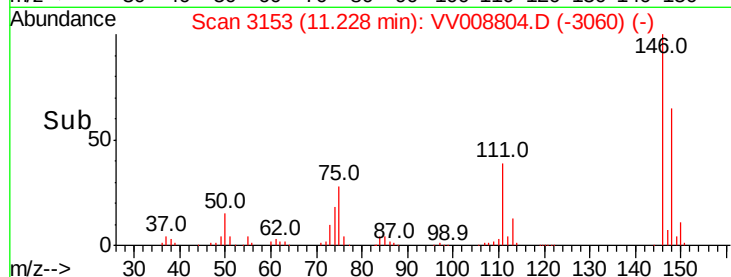
148 64.5 44.4 82.4



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: 4.966 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

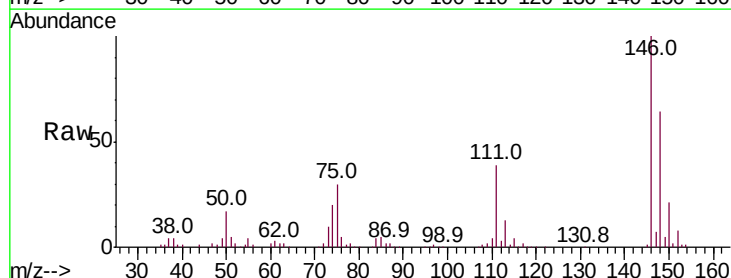
Tgt Ion:146 Resp: 122842

Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.4

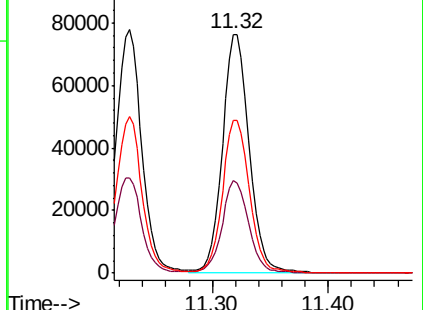
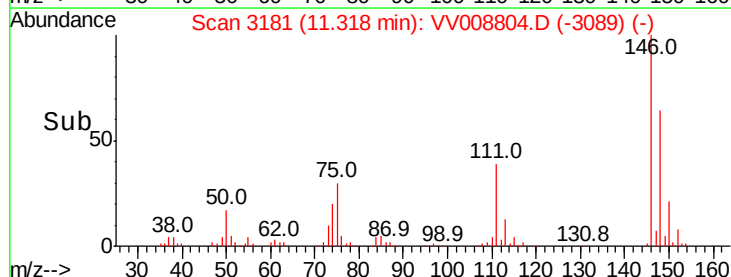
148 64.1 46.5 86.3

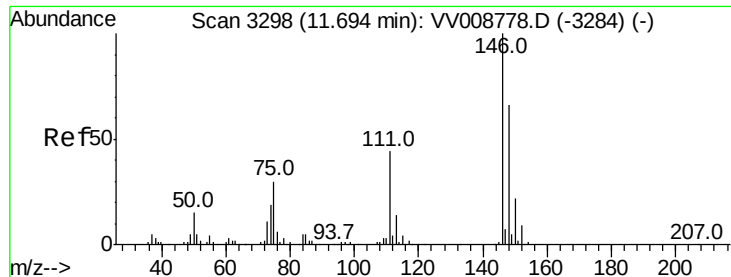


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

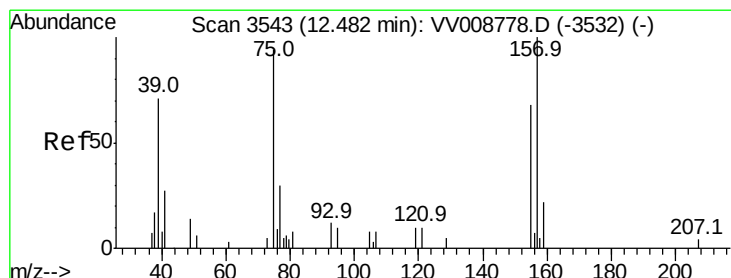
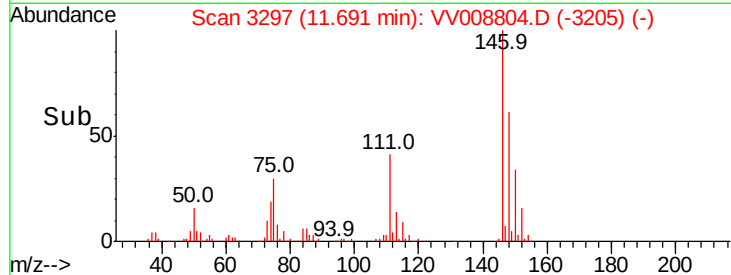
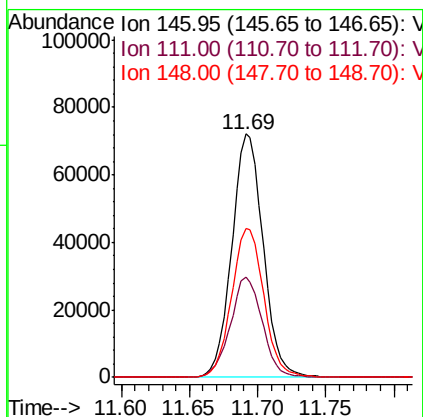
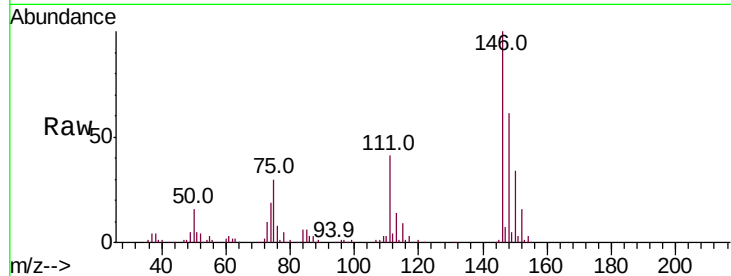




#65
 1,2-Dichlorobenzene
 Concen: 4.886 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

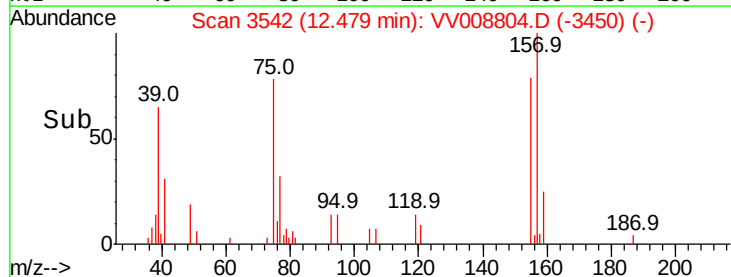
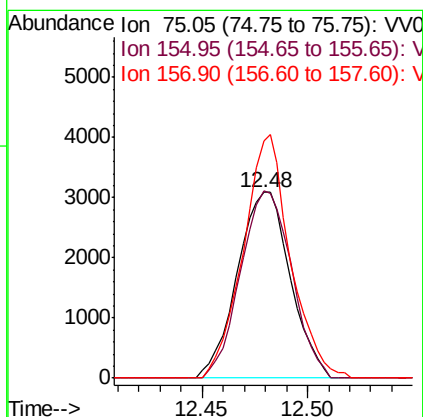
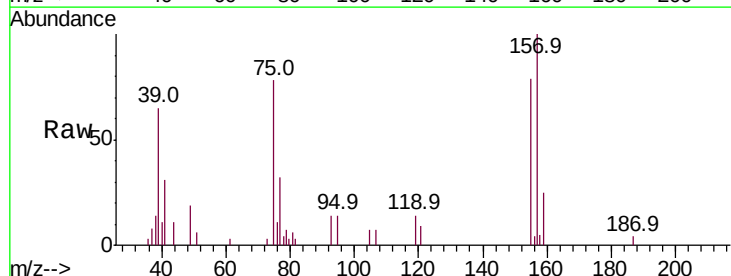
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

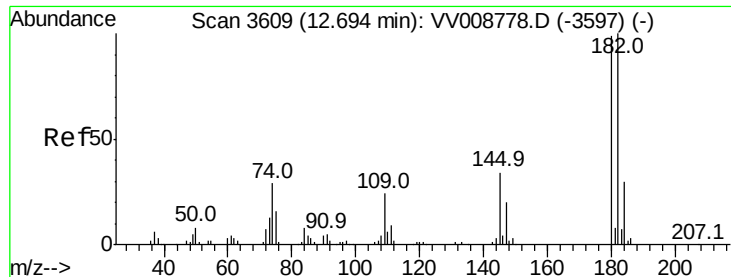
Tot Ion:146 Resp: 115257
 Ion Ratio Lower Upper
 146 100
 111 41.1 34.8 52.2
 148 61.1 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.641 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

Tgt Ion: 75 Resp: 5391
 Ion Ratio Lower Upper
 75 100
 155 101.0 66.7 100.1#
 157 127.4 88.0 132.0

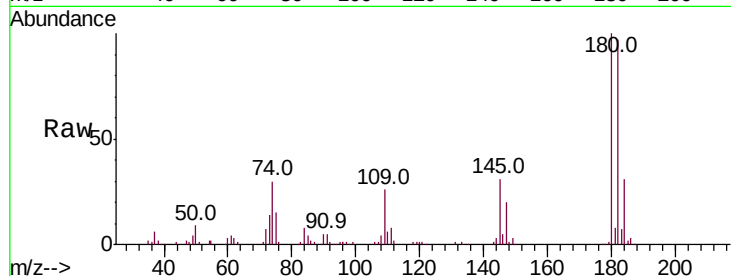




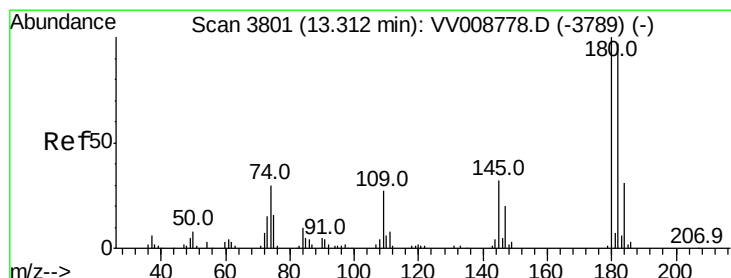
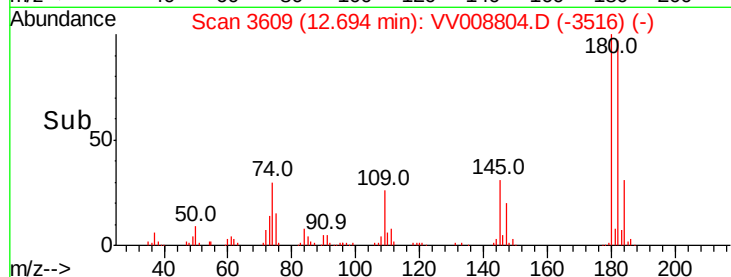
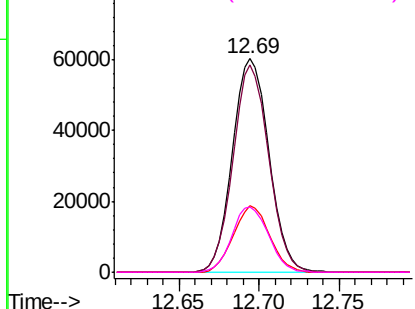
#67
 1,3,5-Trichlorobenzene
 Concen: 5.108 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00572

Tot Ion:180 Resp: 93733
 Ion Ratio Lower Upper
 180 100
 182 94.5 74.7 112.1
 184 30.6 23.3 34.9
 145 30.8 24.2 36.4

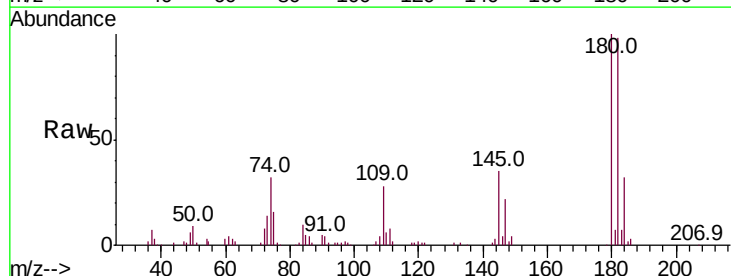


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

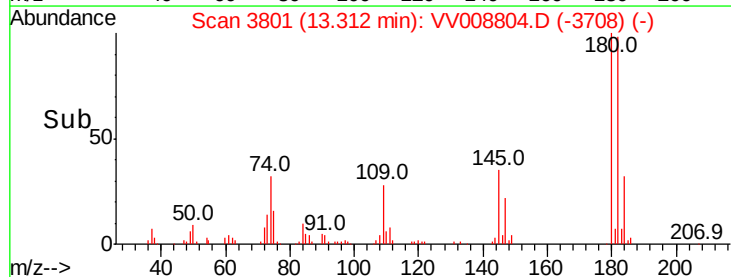
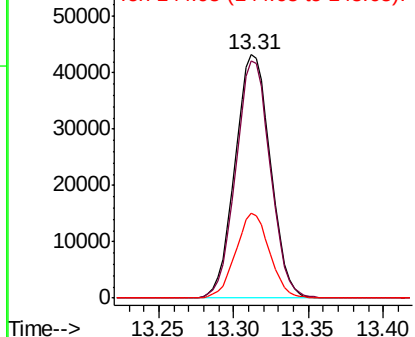


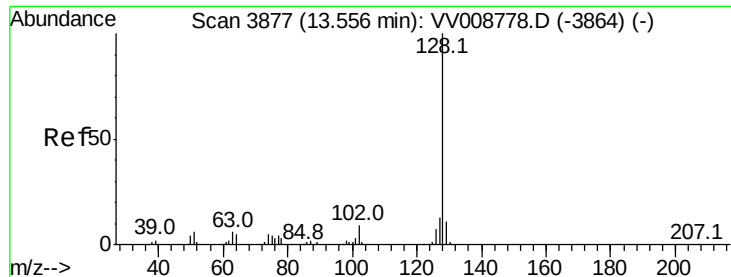
#68
 1,2,4-trichlorobenzene
 Concen: 5.247 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008804.D
 Acq: 30 Nov 2018 10:10

Tgt Ion:180 Resp: 71033
 Ion Ratio Lower Upper
 180 100
 182 95.1 74.2 111.4
 145 33.2 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.227 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00572

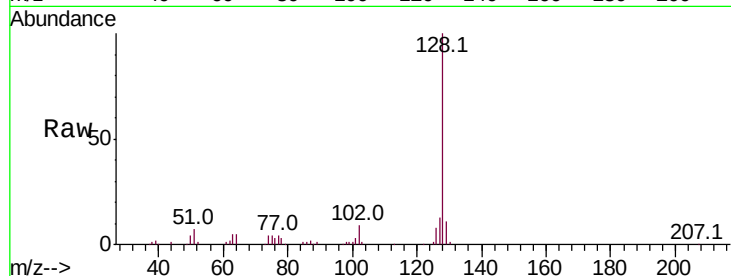
Tot Ion:128 Resp: 103475

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

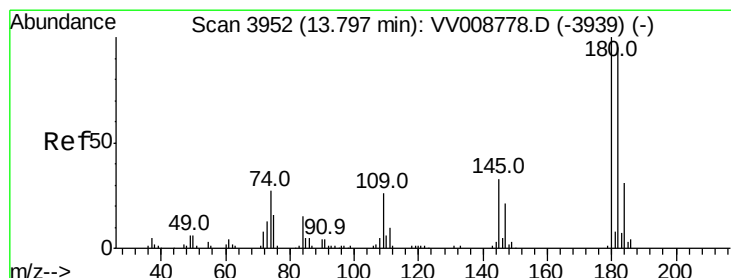
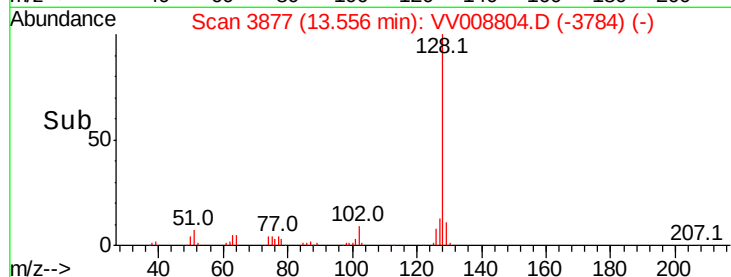
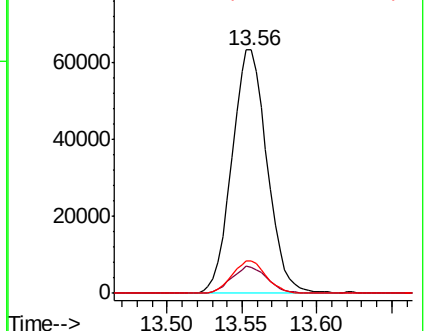
127 13.0 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.214 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008804.D

Acq: 30 Nov 2018 10:10

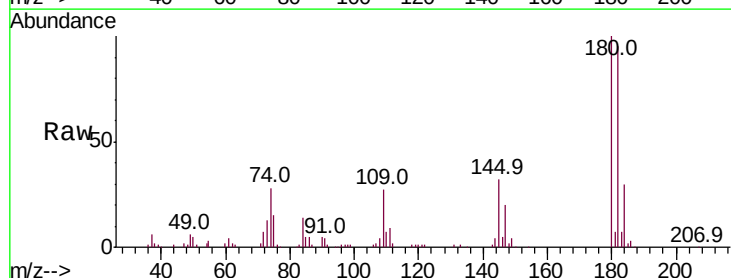
Tgt Ion:180 Resp: 65851

Ion Ratio Lower Upper

180 100

182 95.5 76.2 114.4

145 33.8 27.6 41.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

