

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008668.D
 Acq On : 20 Nov 2018 12:10
 Operator : SY/MD
 Sample : VSTD05071
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Quant Time: Nov 21 01:05:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:02:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	271069	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	252616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	125476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94511	52.66	ug/L	0.00
7) Chloroethane-d5	1.55	69	42692	37.34	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	154673	49.59	ug/L	0.00
21) 2-Butanone-d5	3.93	46	156773	101.73	ug/L	0.00
24) Chloroform-d	4.40	84	188233	47.80	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	119850	47.27	ug/L	0.00
32) Benzene-d6	5.10	84	386645	47.40	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	120368	45.92	ug/L	0.00
41) Toluene-d8	7.36	98	353925	48.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	53231	43.06	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	115683	102.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	168587	50.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	132994	46.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	109967	51.655	ug/L 100
3) Chloromethane	1.25	50	101733	54.109	ug/L 100
5) Vinyl chloride	1.32	62	103205	55.071	ug/L 100
6) Bromomethane	1.51	94	27830	45.983	ug/L 100
8) Chloroethane	1.57	64	51615	51.126	ug/L 100
9) Trichlorofluoromethane	1.75	101	129911	50.976	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	76223	52.091	ug/L 100
12) 1,1-Dichloroethene	2.14	96	67132	51.847	ug/L 100
13) Acetone	2.19	43	166409	132.875	ug/L 100
14) Carbon disulfide	2.31	76	258220	49.067	ug/L 100
15) Methyl Acetate	2.46	43	118944	51.806	ug/L 100
16) Methylene chloride	2.53	84	103860	49.739	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	94318	50.649	ug/L 100
18) Methyl tert-butyl Ether	2.81	73	311025	49.173	ug/L 100
19) 1,1-Dichloroethane	3.23	63	181106	51.038	ug/L 100
20) cis-1,2-Dichloroethene	3.96	96	105071	50.035	ug/L 100
22) 2-Butanone	4.02	43	192250	111.363	ug/L 100
23) Bromochloromethane	4.30	128	50922	50.800	ug/L 100
25) Chloroform	4.43	83	182944	46.278	ug/L 100
27) 1,2-Dichloroethane	5.18	62	143596	49.921	ug/L 100
29) Cyclohexane	4.73	56	173788	48.354	ug/L 100
30) 1,1,1-Trichloroethane	4.66	97	153380	48.009	ug/L 100
31) Carbon tetrachloride	4.88	117	128155	46.559	ug/L 100
33) Benzene	5.15	78	399671	49.502	ug/L 100
34) Trichloroethene	5.96	95	105692	49.598	ug/L 100
35) Methylcyclohexane	6.18	83	178183	49.269	ug/L 100
37) 1,2-Dichloropropane	6.22	63	108630	49.593	ug/L 100
38) Bromodichloromethane	6.56	83	129057	47.266	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	158102	47.600	ug/L 100
40) 4-Methyl-2-pentanone	7.28	43	311271	104.925	ug/L 100

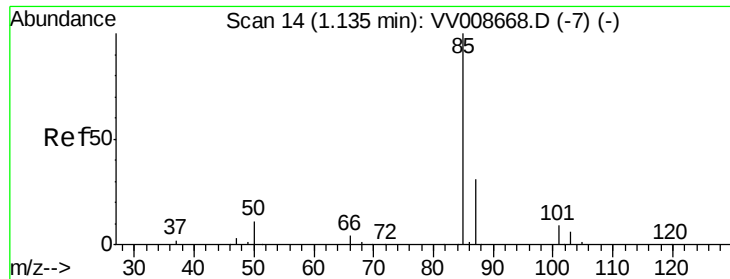
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:02:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	424777	50.479	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	142925	47.319	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	98244	50.013	ug/L	100
46) Tetrachloroethene	8.02	164	77791	50.993	ug/L	100
48) 2-Hexanone	8.19	43	252717	110.048	ug/L	100
49) Dibromochloromethane	8.29	129	99320	48.353	ug/L	100
50) 1,2-Dibromoethane	8.40	107	101460	49.717	ug/L	100
51) Chlorobenzene	8.93	112	267737	50.700	ug/L	100
52) Ethylbenzene	9.06	91	467277	50.432	ug/L	100
53) m,p-Xylene	9.18	106	174447	51.372	ug/L	100
54) o-xylene	9.59	106	172024	51.100	ug/L	100
55) Styrene	9.60	104	294096	53.048	ug/L	100
56) Isopropylbenzene	9.98	105	454361	51.273	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	170382	53.041	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	142679	53.881	ug/L	100
61) Bromoform	9.78	173	65285	43.998	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	205565	49.402	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	208962	50.026	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	212493	49.944	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	33408	45.074	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	147976	51.737	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	116198	51.888	ug/L	100
69) Naphthalene	13.55	128	334788	51.634	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	118124	52.270	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 51.655 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

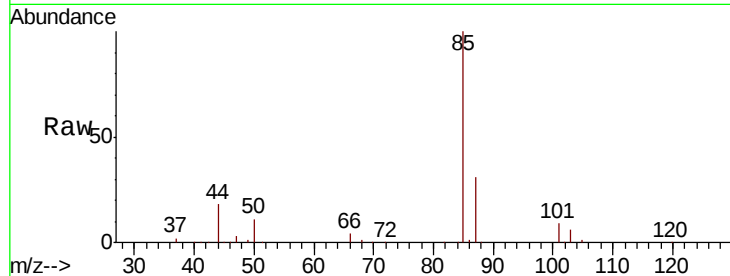
VSTD05071

Tgt Ion: 85 Resp: 109967

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008668.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008668.D (-7) (-)

1.14

100000

80000

60000

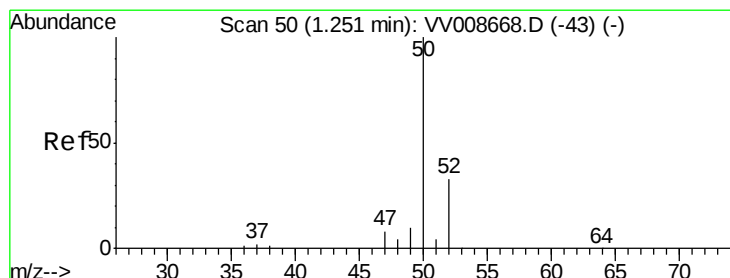
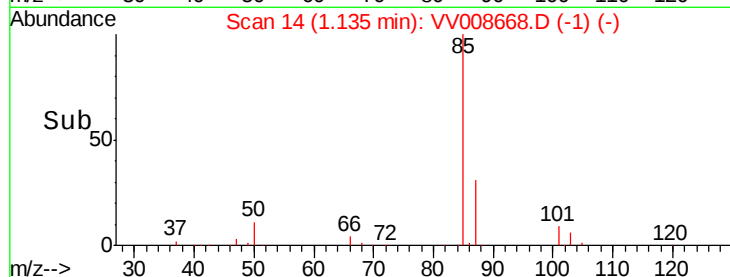
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 54.109 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008668.D

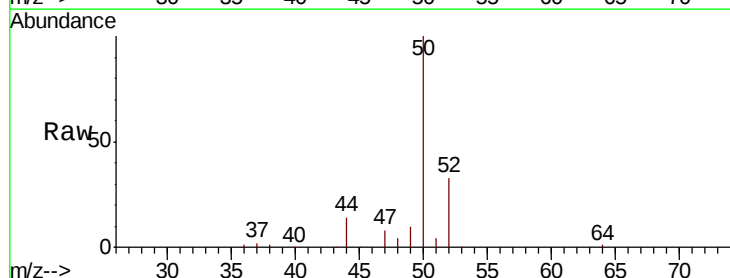
Acq: 20 Nov 2018 12:10

Tgt Ion: 50 Resp: 101733

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV008668.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008668.D (-43) (-)

1.25

100000

80000

60000

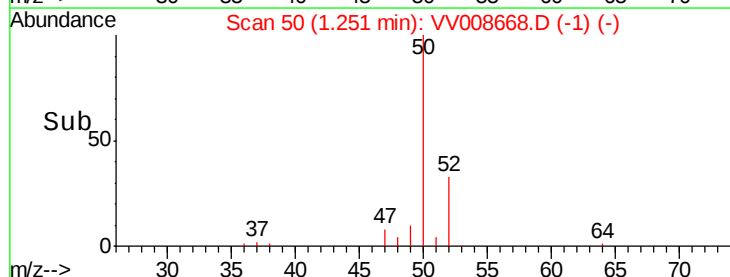
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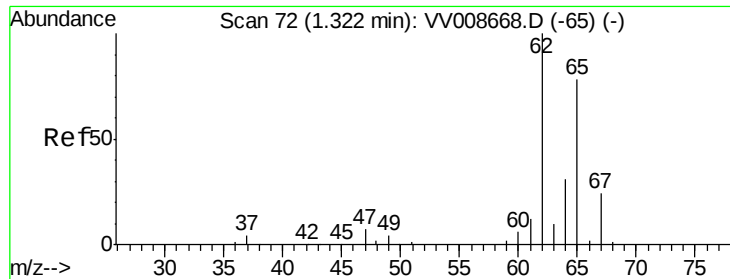
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0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 55.071 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

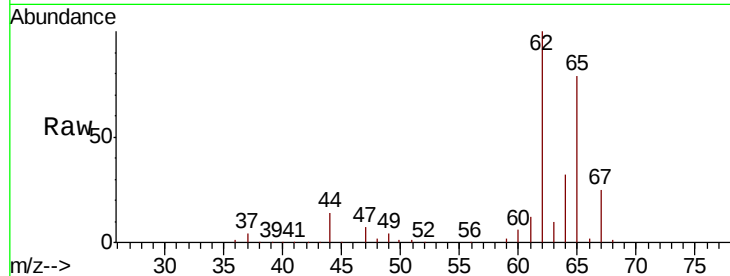
VSTD05071

Tgt Ion: 62 Resp: 103205

Ion Ratio Lower Upper

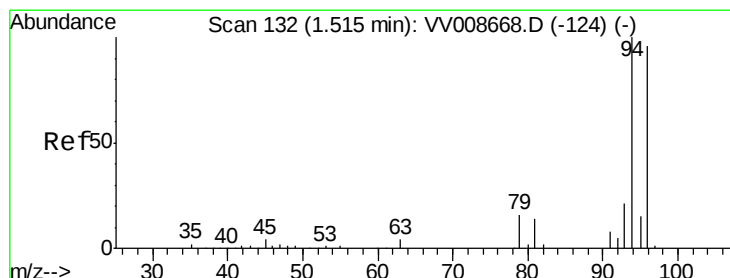
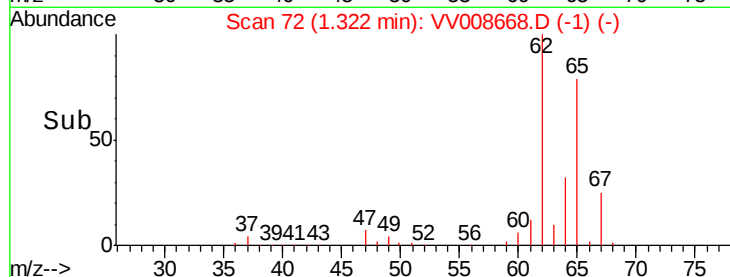
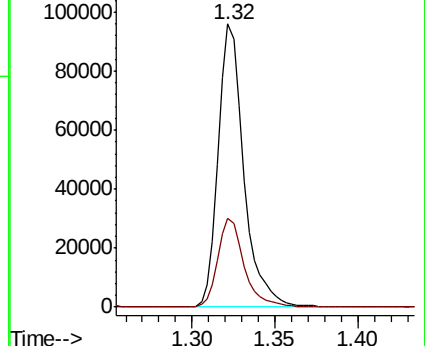
62 100

64 31.5 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.983 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008668.D

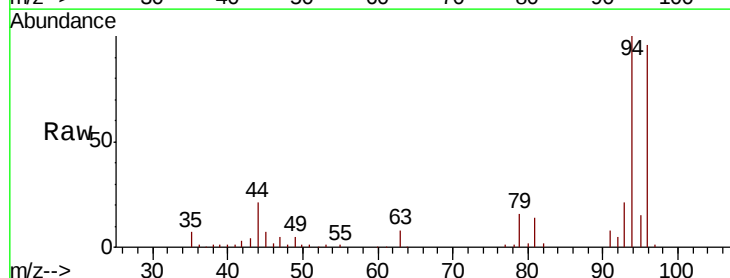
Acq: 20 Nov 2018 12:10

Tgt Ion: 94 Resp: 27830

Ion Ratio Lower Upper

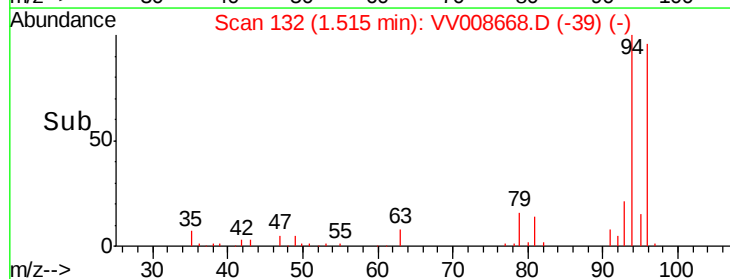
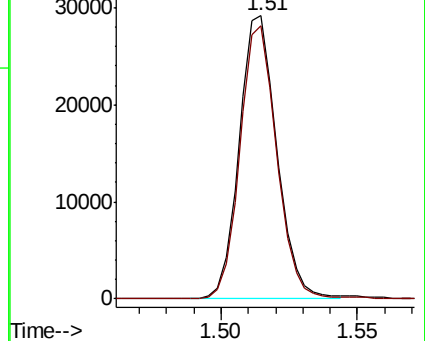
94 100

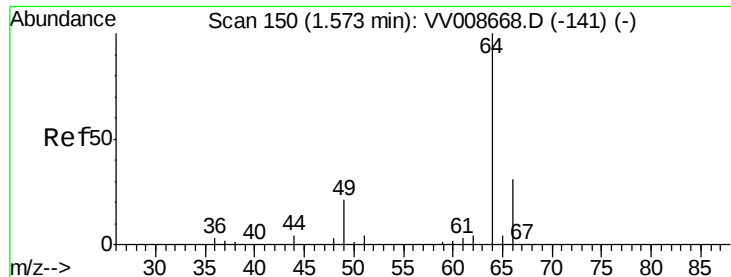
96 96.3 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 51.126 ug/L

RT: 1.57 min Scan# 150

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

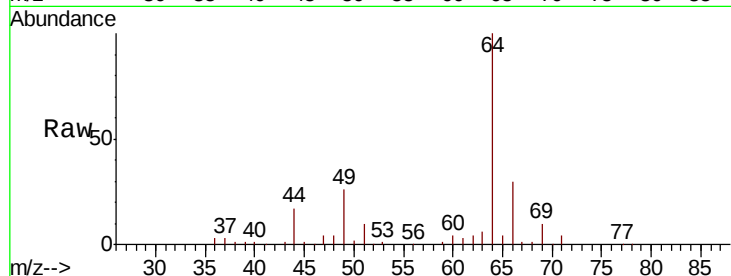
VSTD05071

Tgt Ion: 64 Resp: 51615

Ion Ratio Lower Upper

64 100

66 30.5 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VV008668.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008668.D (-141) (-)

1.57

40000

30000

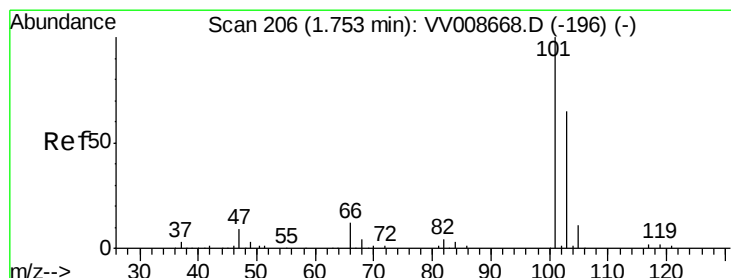
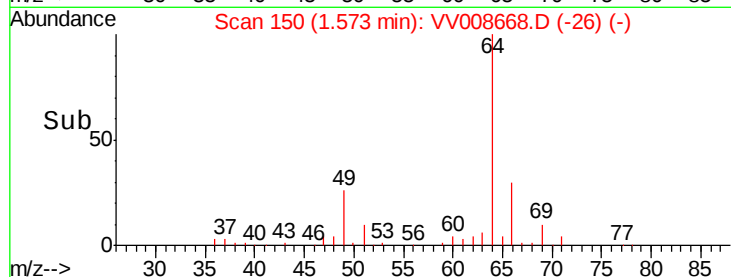
20000

10000

0

1.50 1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 50.976 ug/L

RT: 1.75 min Scan# 206

Delta R.T. 0.00 min

Lab File: VV008668.D

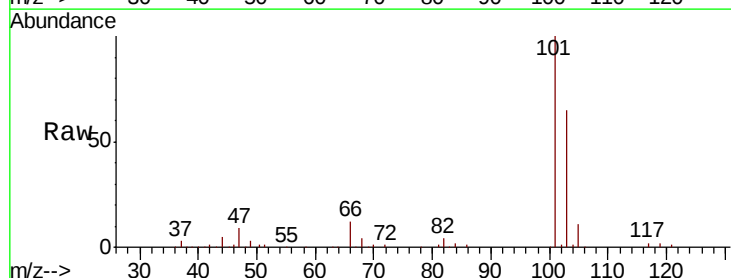
Acq: 20 Nov 2018 12:10

Tgt Ion: 101 Resp: 129911

Ion Ratio Lower Upper

101 100

103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008668.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV008668.D (-196) (-)

1.75

100000

80000

60000

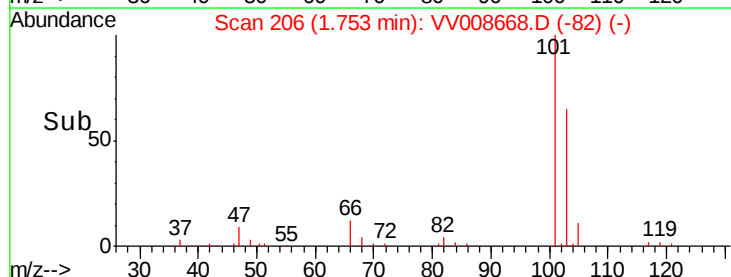
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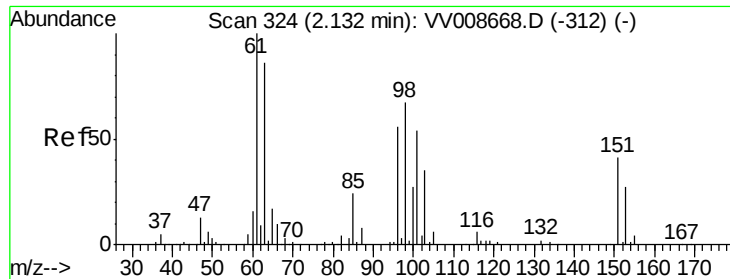
20000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 52.091 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

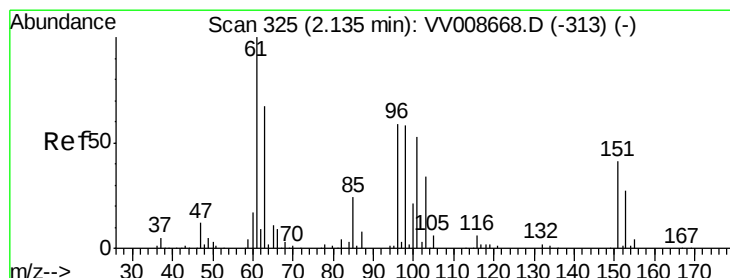
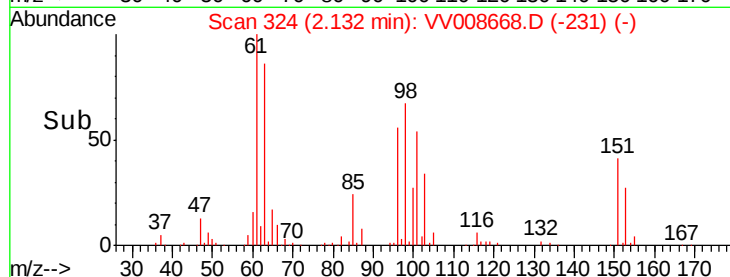
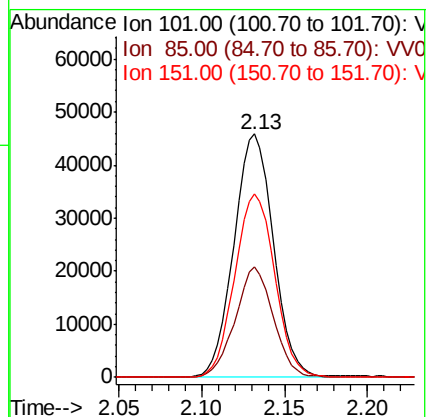
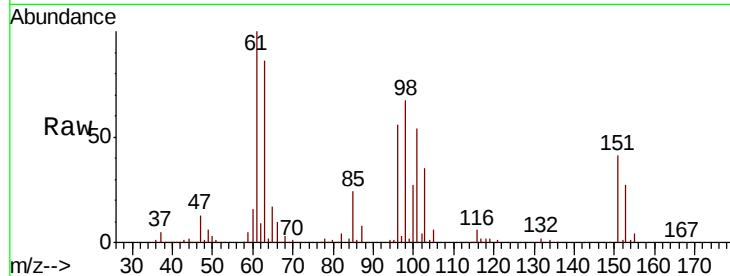
Tgt Ion:101 Resp: 76223

Ion Ratio Lower Upper

101 100

85 43.5 34.8 52.2

151 76.1 60.9 91.3



#12

1,1-Dichloroethene

Concen: 51.847 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

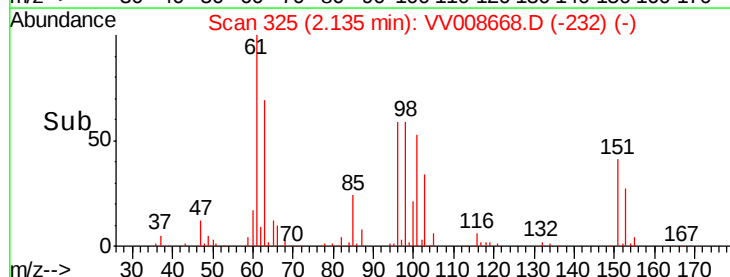
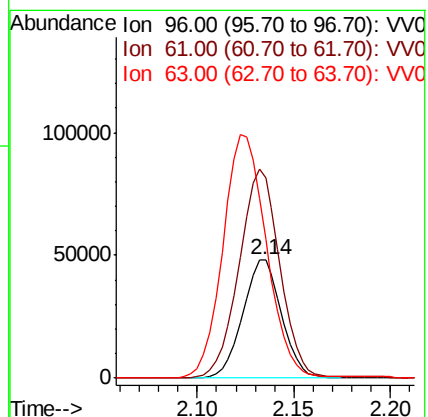
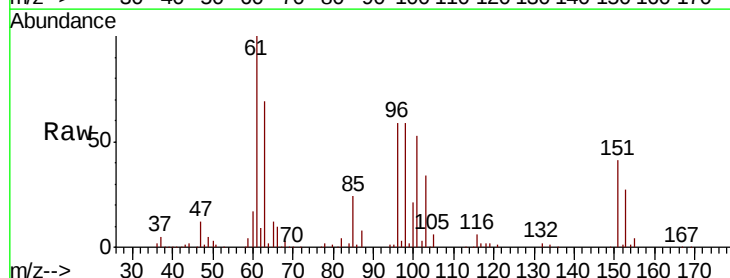
Tgt Ion: 96 Resp: 67132

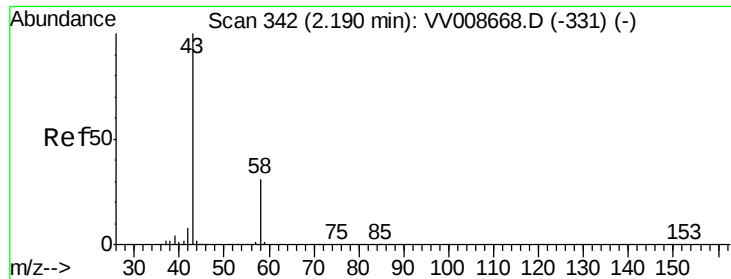
Ion Ratio Lower Upper

96 100

61 169.2 118.4 220.0

63 116.9 81.8 152.0





#13

Acetone

Concen: 132.875 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

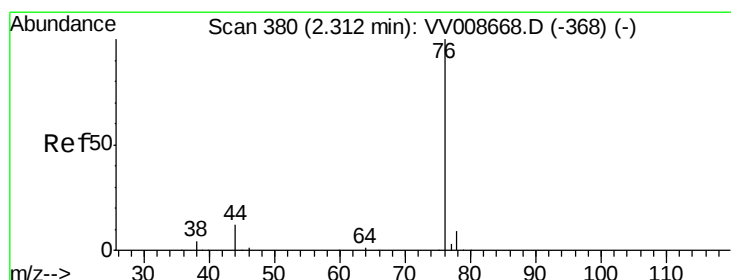
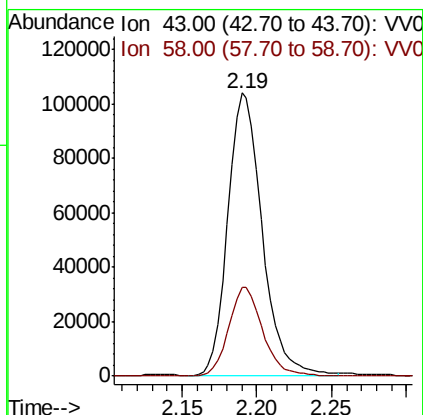
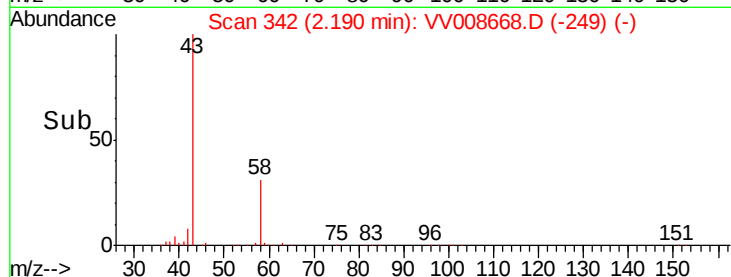
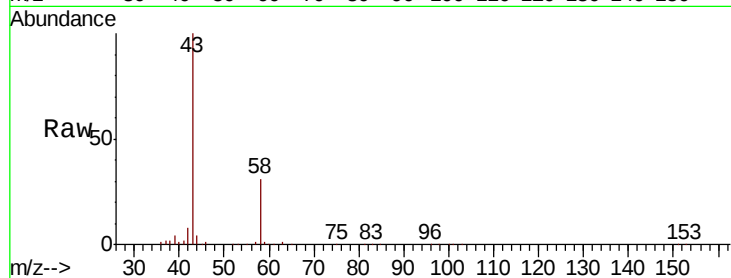
VSTD05071

Tgt Ion: 43 Resp: 166409

Ion Ratio Lower Upper

43 100

58 31.0 0.0 62.0



#14

Carbon disulfide

Concen: 49.067 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV008668.D

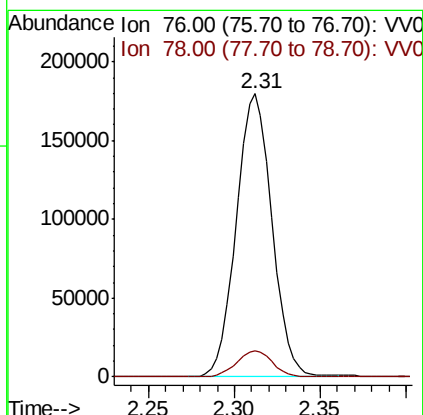
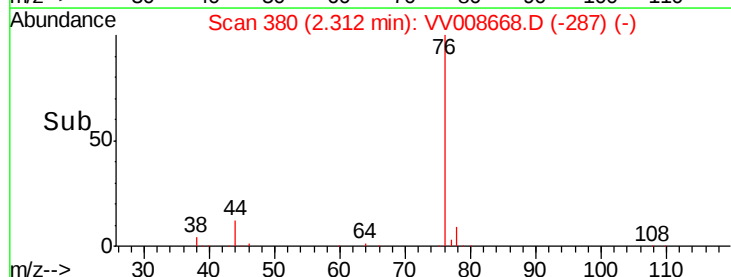
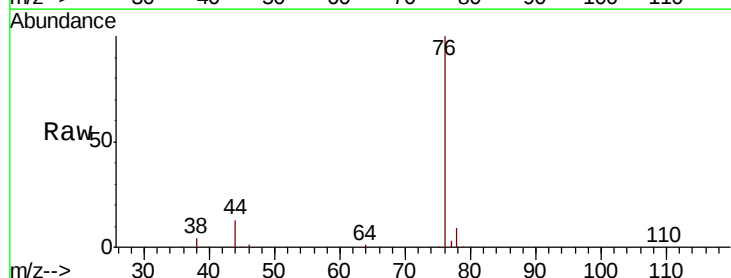
Acq: 20 Nov 2018 12:10

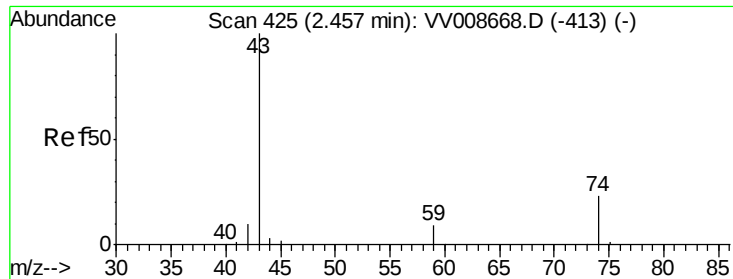
Tgt Ion: 76 Resp: 258220

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

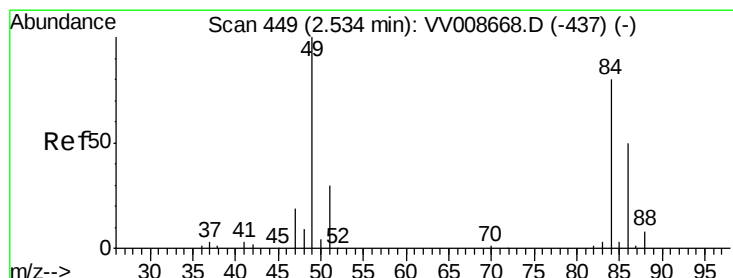
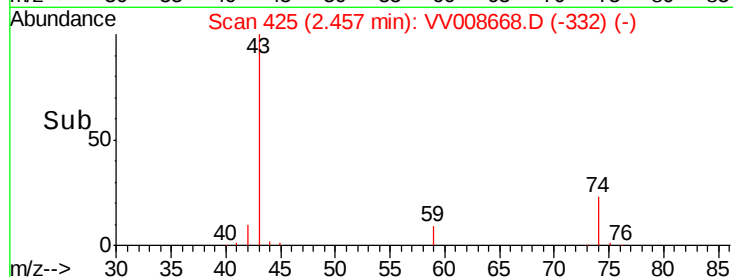
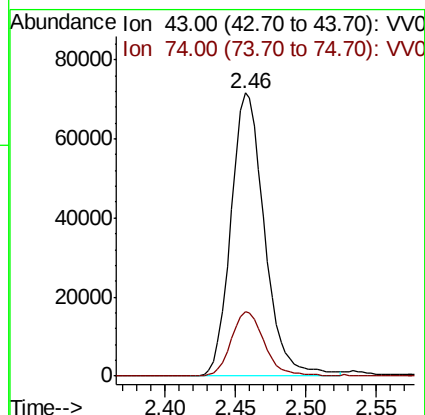
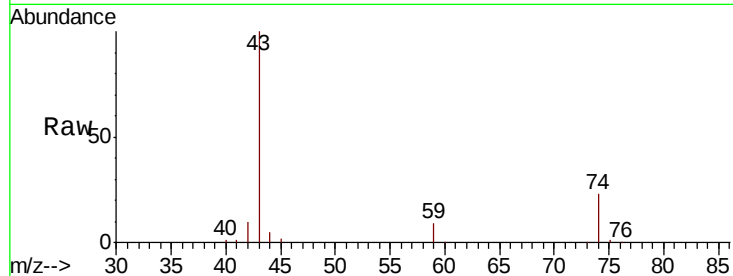




#15
Methyl Acetate
Concen: 51.806 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

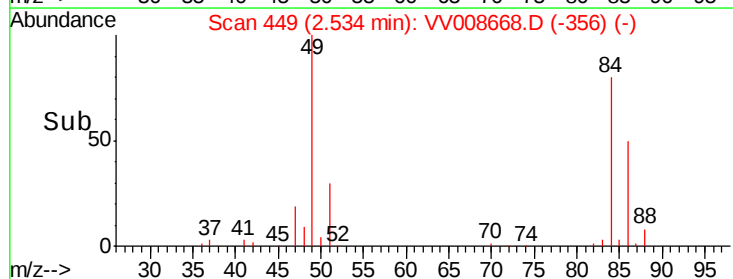
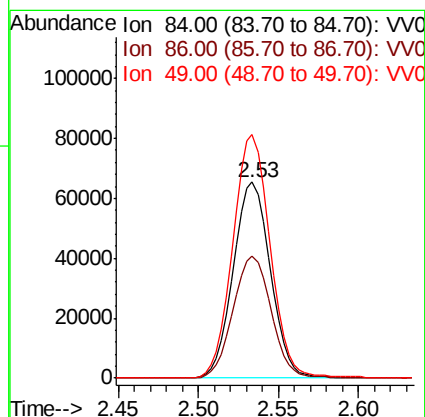
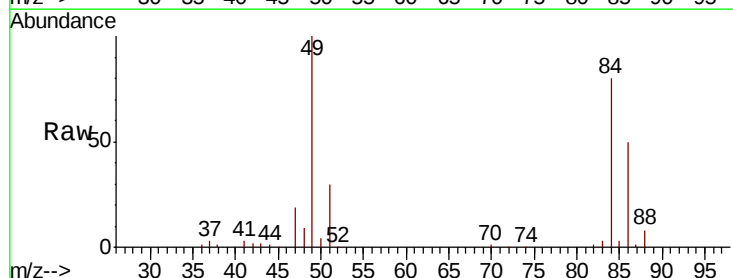
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

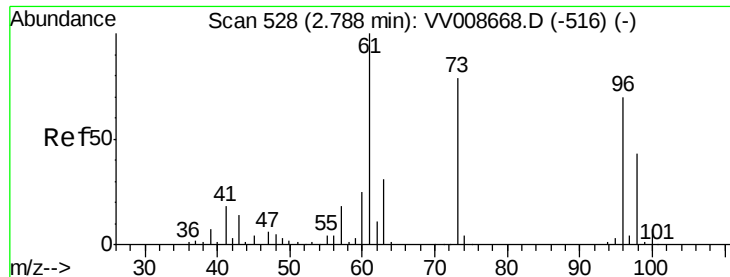
Tgt Ion: 43 Resp: 118944
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1



#16
Methylene chloride
Concen: 49.739 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

Tgt Ion: 84 Resp: 103860
Ion Ratio Lower Upper
84 100
86 62.3 43.6 81.0
49 124.4 87.1 161.7

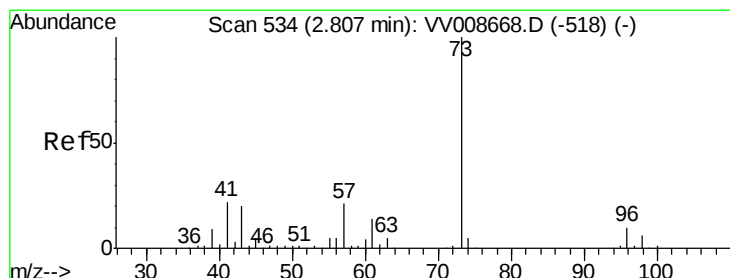
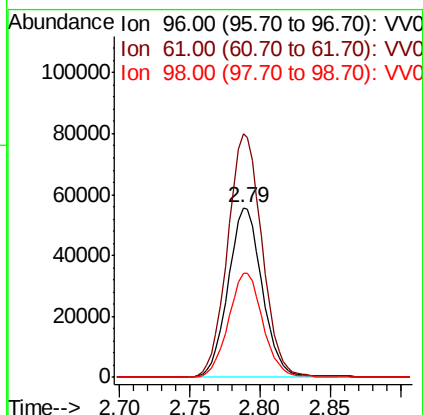
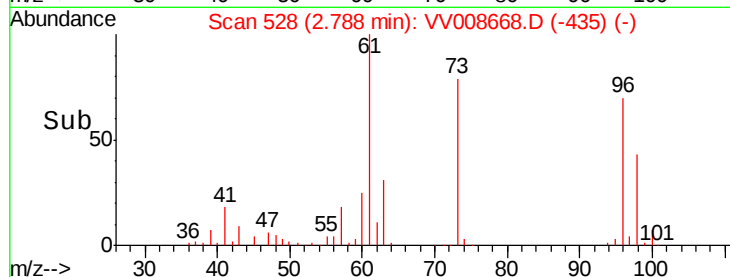
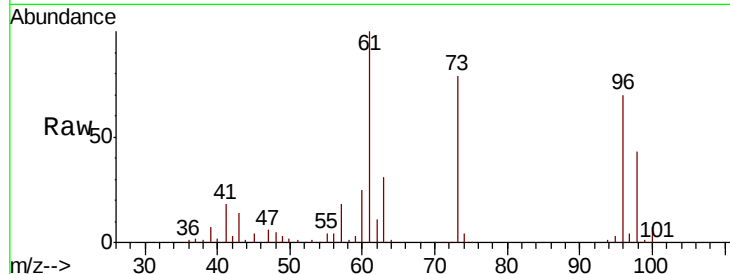




#17
trans-1,2-Dichloroethene
Concen: 50.649 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

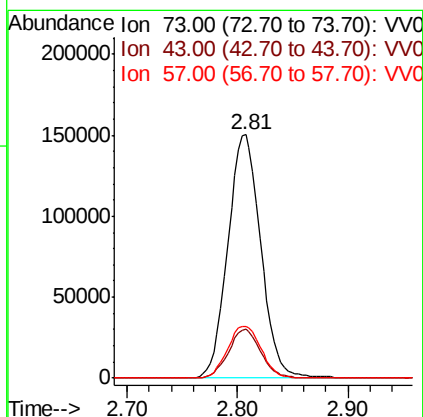
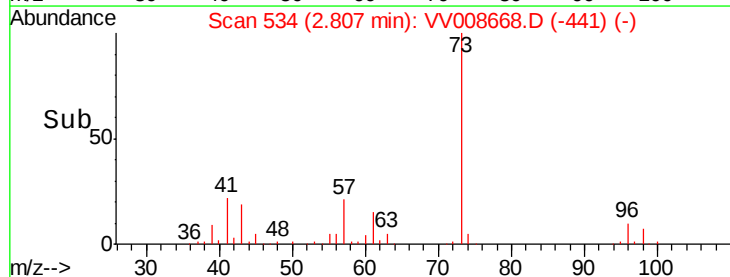
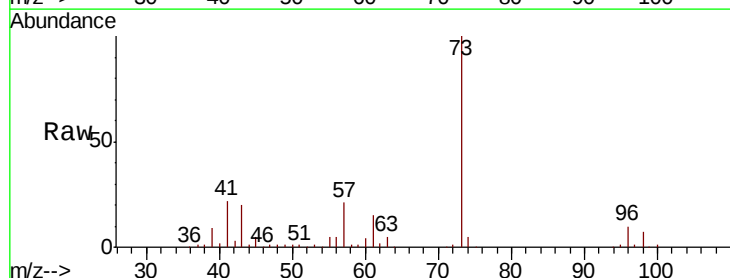
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

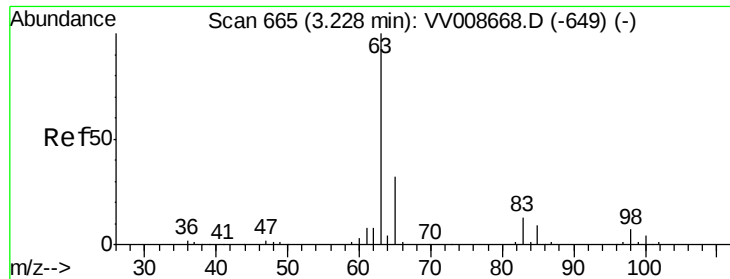
Tgt Ion: 96 Resp: 94318
Ion Ratio Lower Upper
96 100
61 143.4 100.4 186.4
98 61.5 43.0 80.0



#18
Methyl tert-butyl Ether
Concen: 49.173 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

Tgt Ion: 73 Resp: 311025
Ion Ratio Lower Upper
73 100
43 20.0 16.0 24.0
57 21.9 17.5 26.3

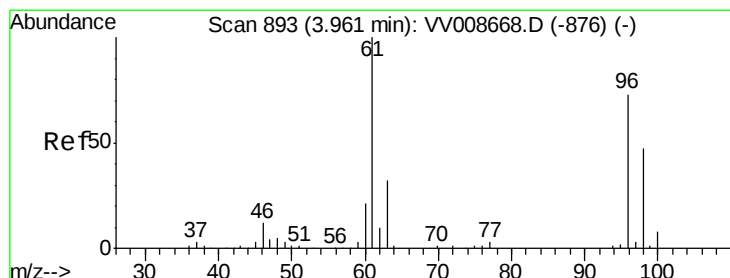
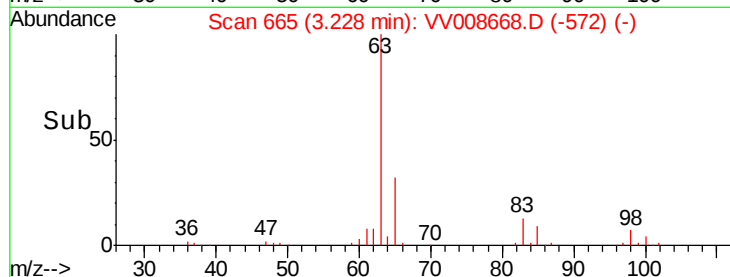
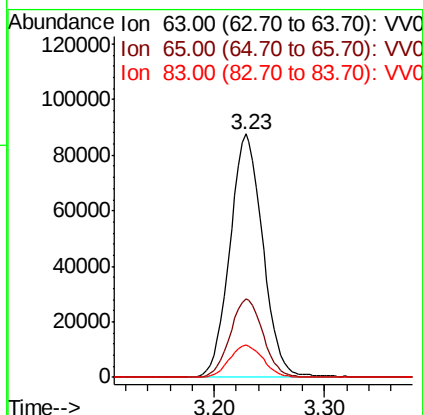
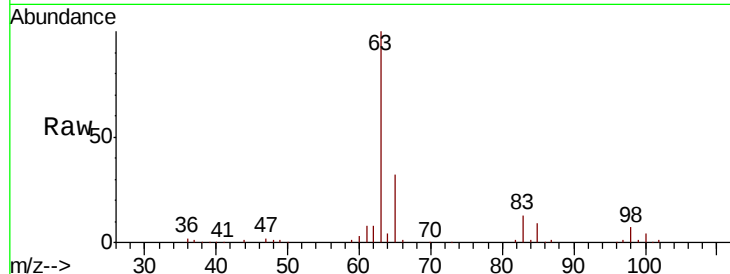




#19
 1,1-Dichloroethane
 Concen: 51.038 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

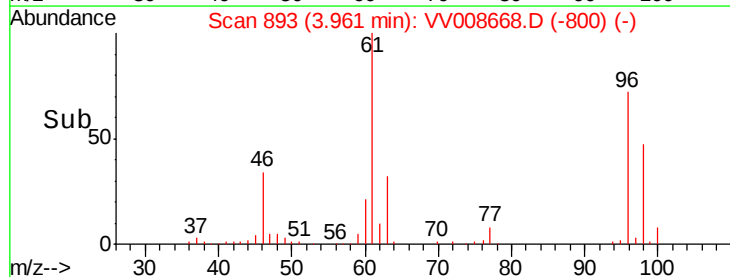
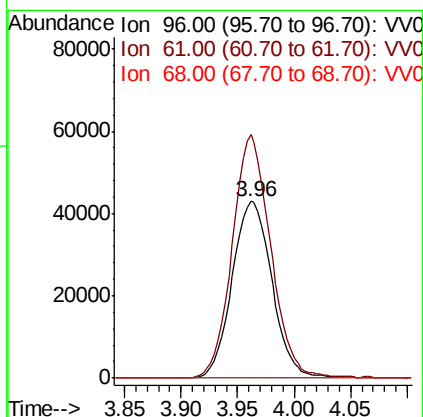
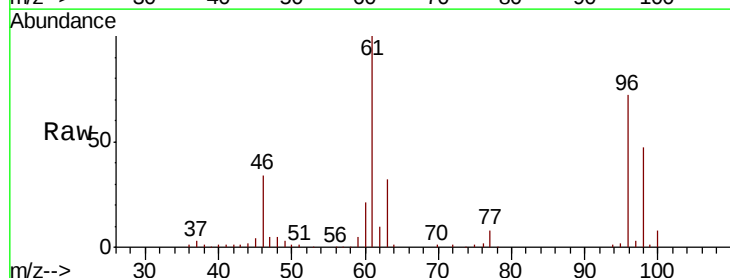
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

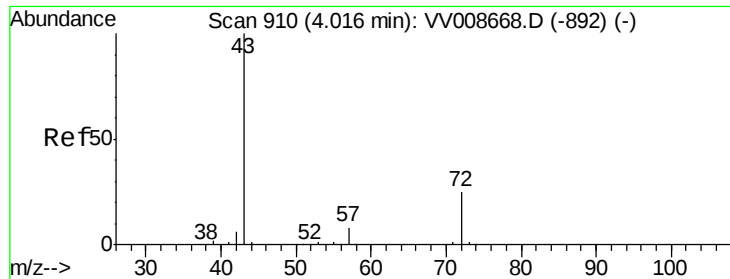
Tgt Ion: 63 Resp: 181106
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.5 41.7
 83 13.3 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 50.035 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

Tgt Ion: 96 Resp: 105071
 Ion Ratio Lower Upper
 96 100
 61 137.9 96.5 179.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 111.363 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

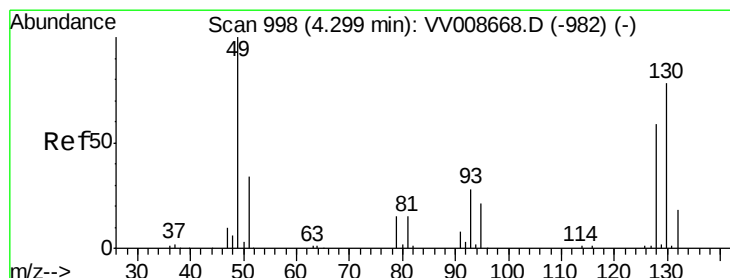
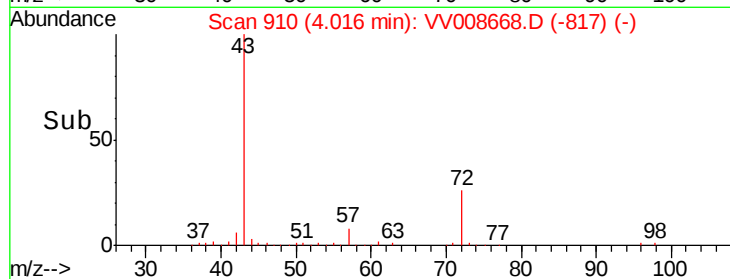
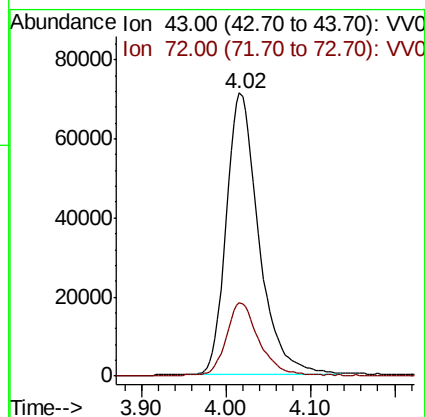
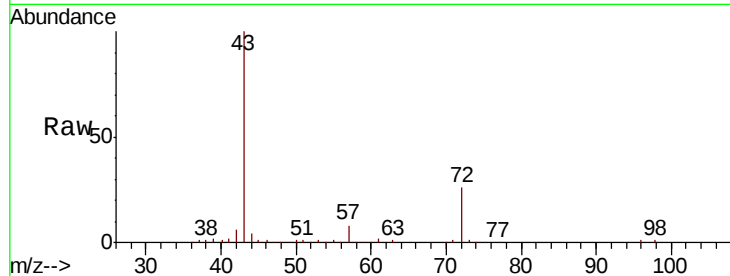
VSTD05071

Tgt Ion: 43 Resp: 192250

Ion Ratio Lower Upper

43 100

72 26.7 13.4 40.1



#23

Bromochloromethane

Concen: 50.800 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Tgt Ion: 128 Resp: 50922

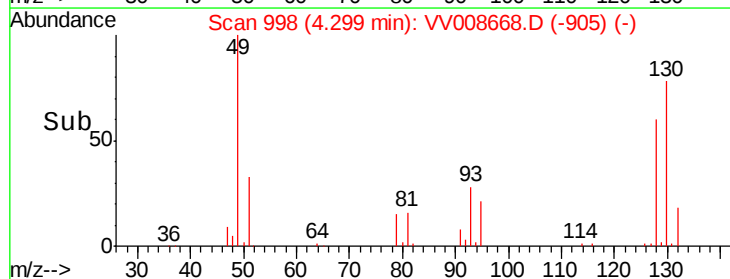
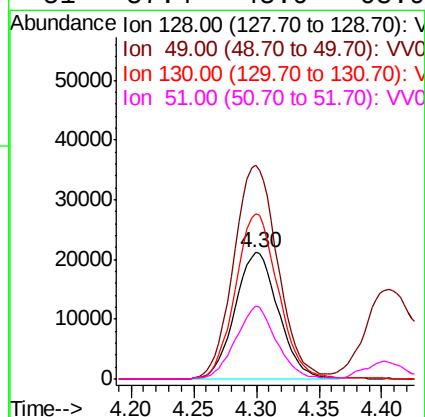
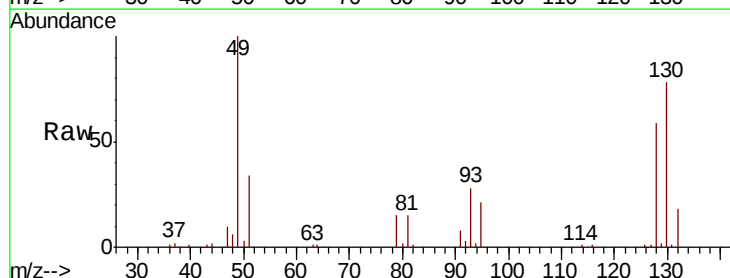
Ion Ratio Lower Upper

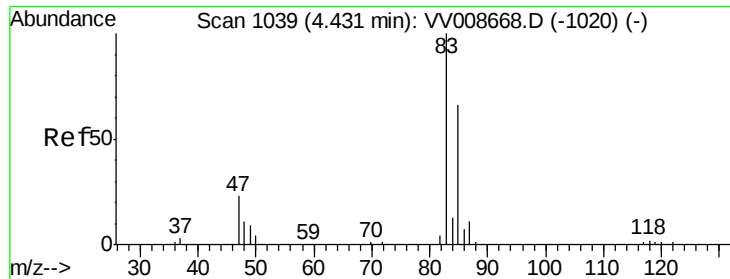
128 100

49 168.7 118.1 219.3

130 130.9 91.6 170.2

51 57.4 45.9 68.9

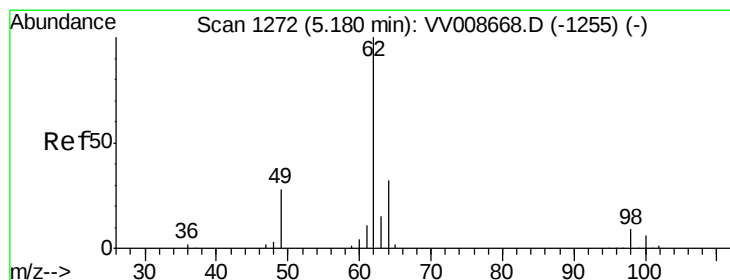
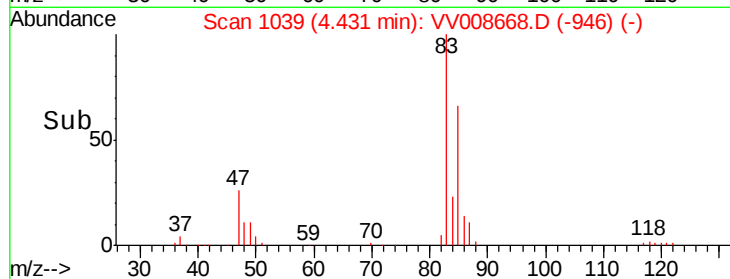
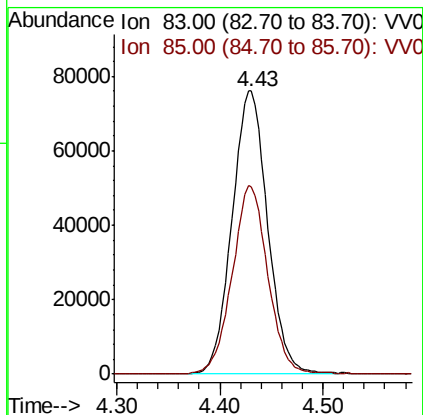
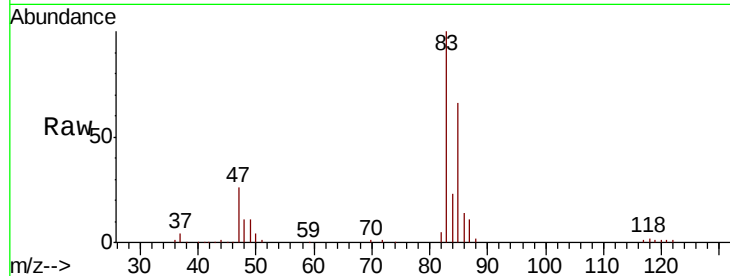




#25
Chloroform
Concen: 46.278 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

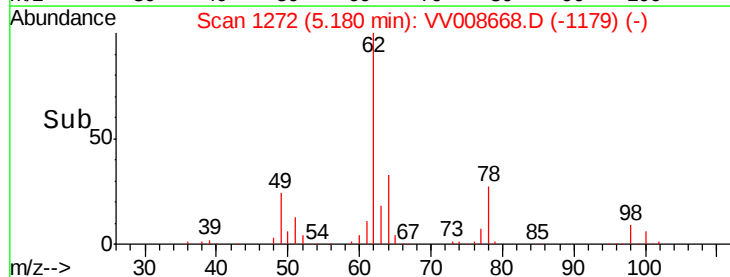
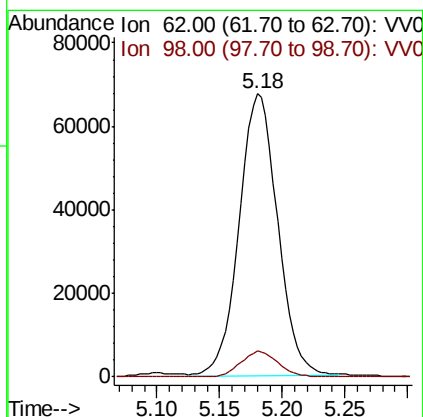
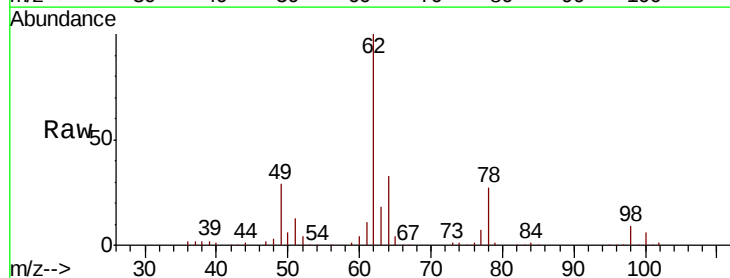
Instrument :
MSVOA_V
ClientSampled :
VSTD05071

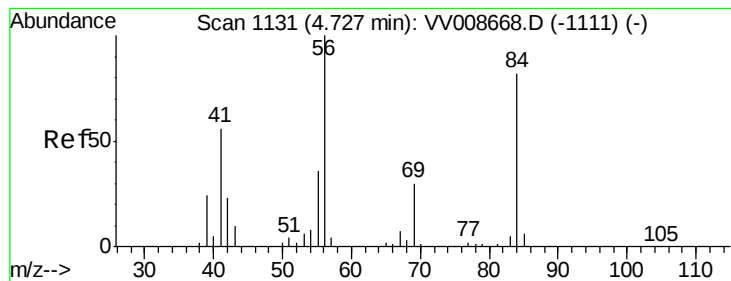
Tgt Ion: 83 Resp: 182944
Ion Ratio Lower Upper
83 100
85 66.4 46.5 86.3



#27
1,2-Dichloroethane
Concen: 49.921 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

Tgt Ion: 62 Resp: 143596
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 48.354 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

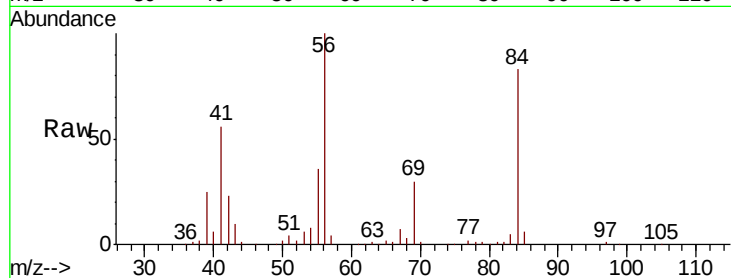
Tgt Ion: 56 Resp: 173788

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

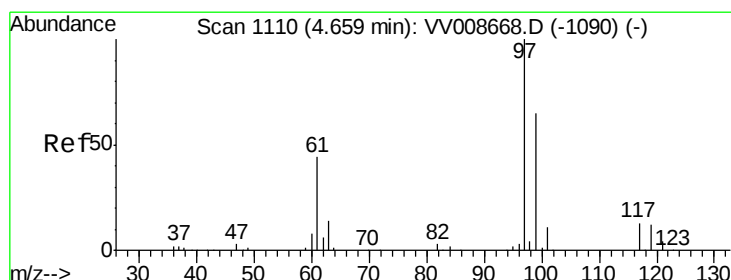
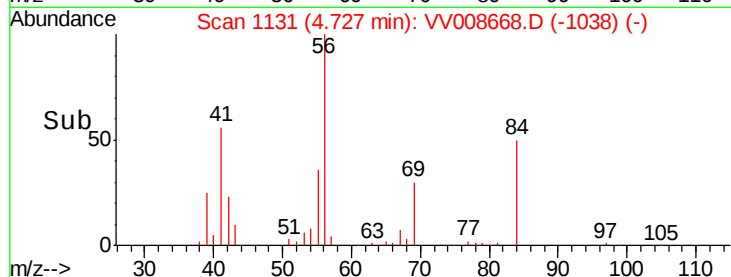
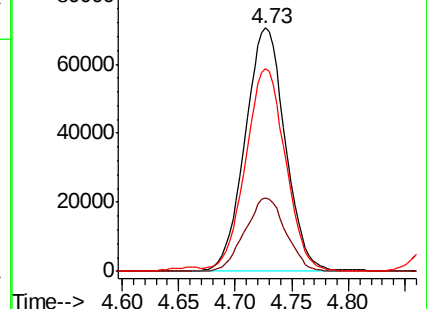
84 82.5 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VV008668.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV008668.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV008668.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 48.009 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

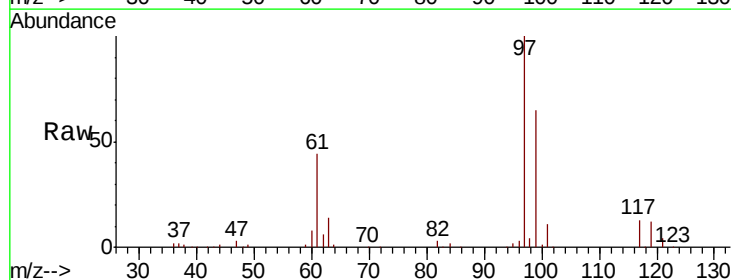
Tgt Ion: 97 Resp: 153380

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

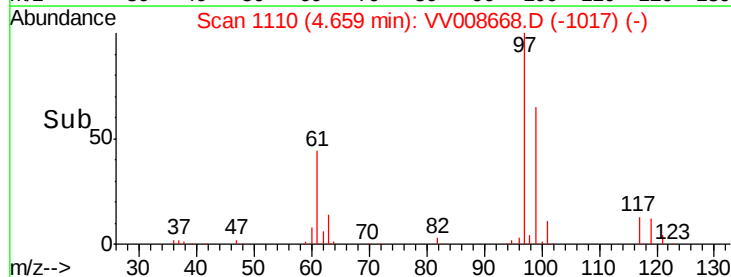
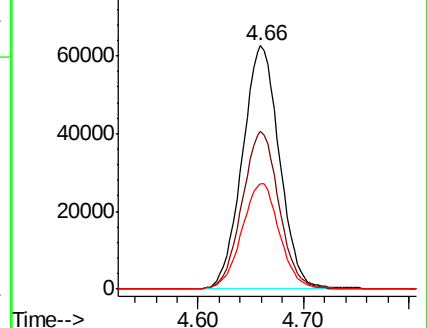
61 44.0 35.2 52.8

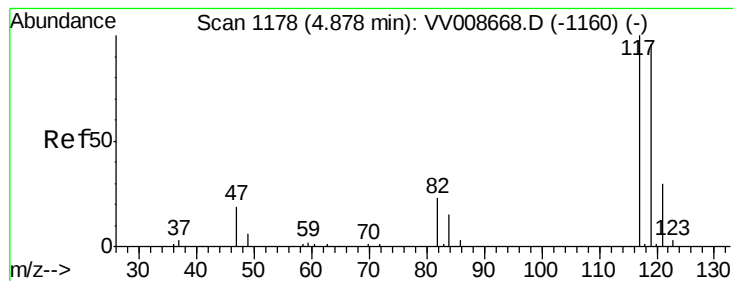


Abundance Ion 97.00 (96.70 to 97.70): VV008668.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV008668.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV008668.D (-1090) (-)





#31

Carbon tetrachloride

Concen: 46.559 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

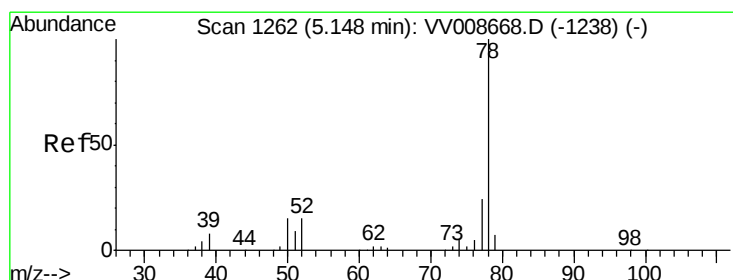
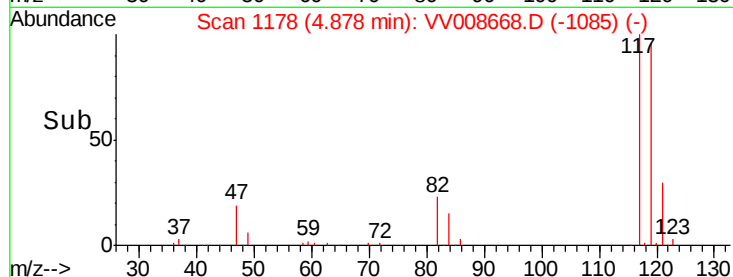
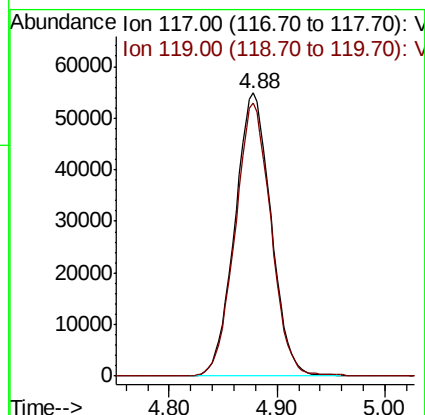
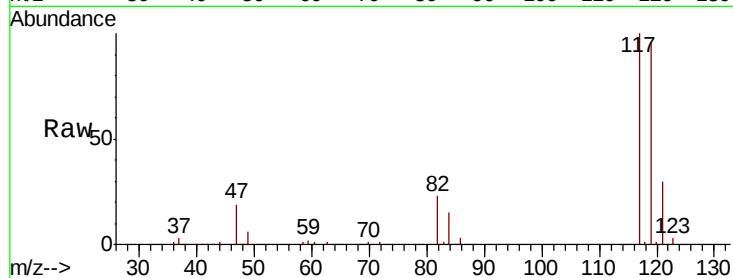
VSTD05071

Tgt Ion:117 Resp: 128155

Ion Ratio Lower Upper

117 100

119 95.6 76.5 114.7



#33

Benzene

Concen: 49.502 ug/L

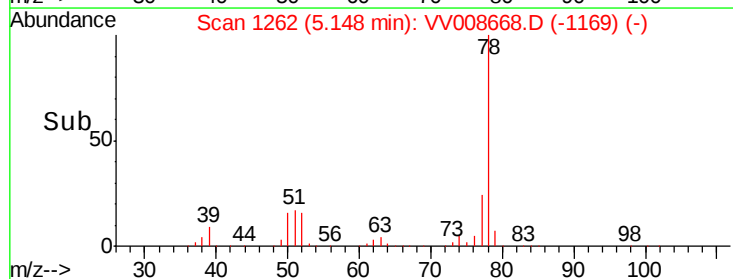
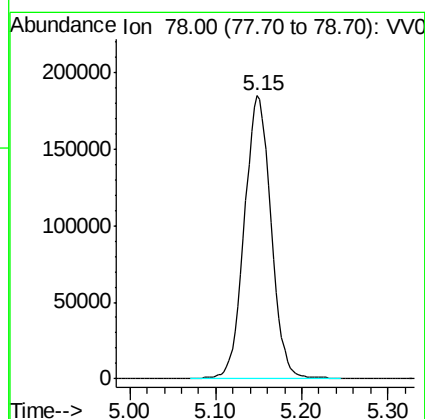
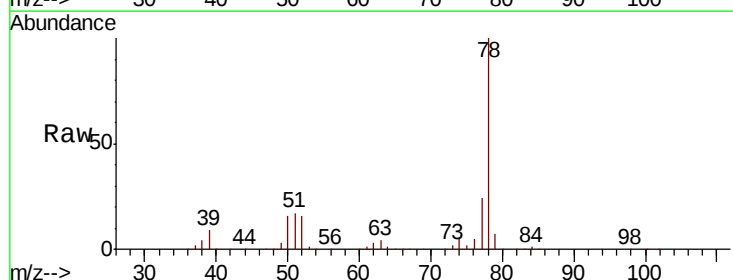
RT: 5.15 min Scan# 1262

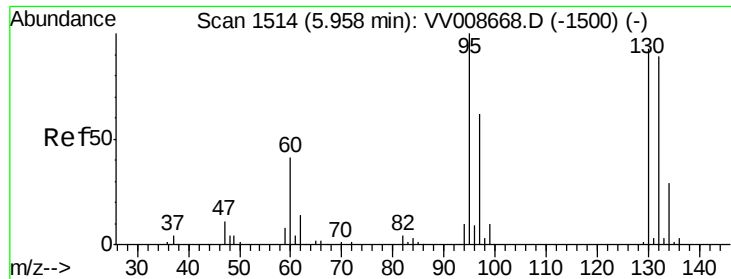
Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Tgt Ion: 78 Resp: 399671





#34

Trichloroethene

Concen: 49.598 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

Tgt Ion: 95 Resp: 105692

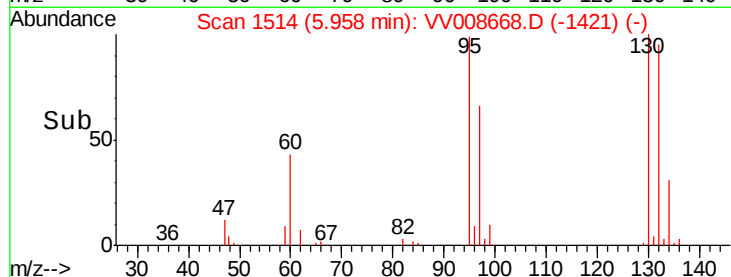
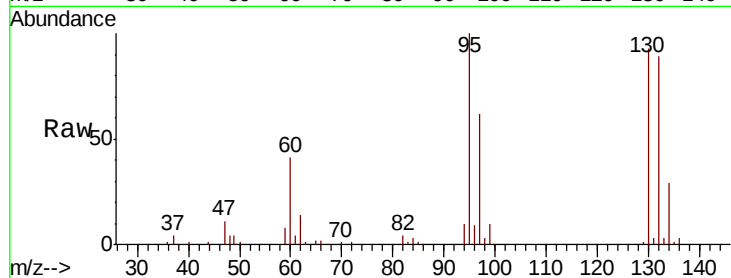
Ion Ratio Lower Upper

95 100

97 61.7 43.2 80.2

132 88.6 62.0 115.2

130 93.4 65.4 121.4



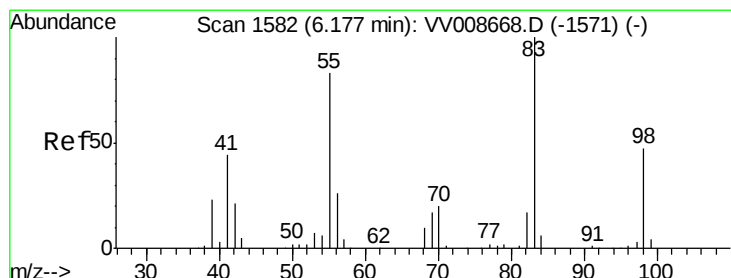
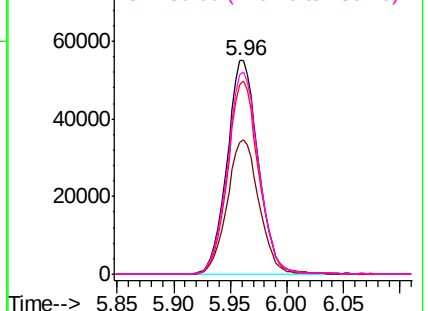
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 49.269 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

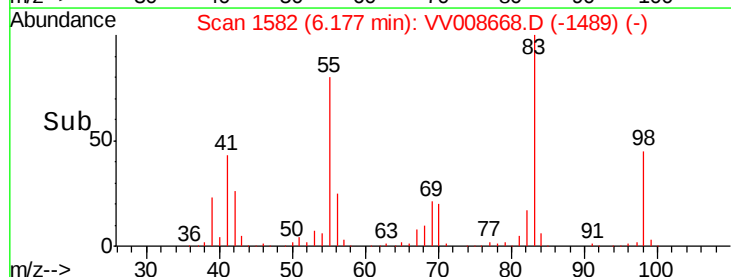
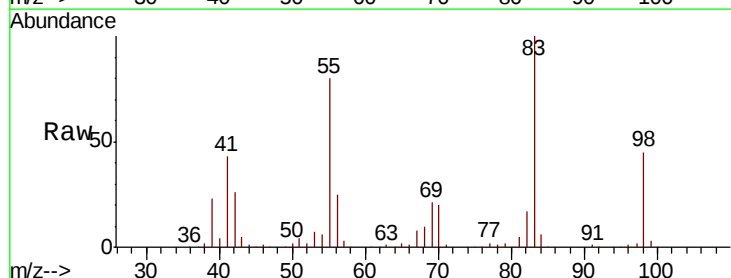
Tgt Ion: 83 Resp: 178183

Ion Ratio Lower Upper

83 100

55 79.7 63.8 95.6

98 45.1 36.1 54.1

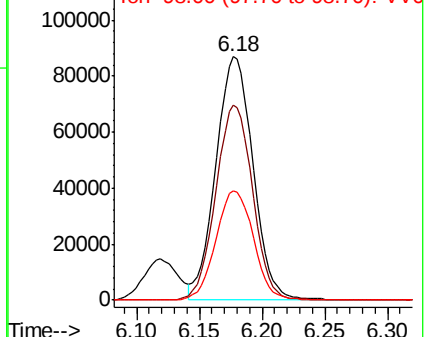


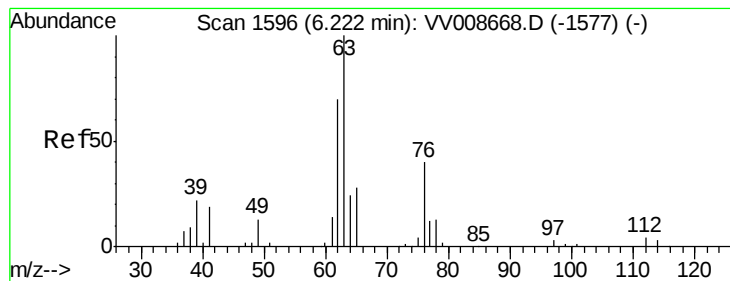
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.593 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

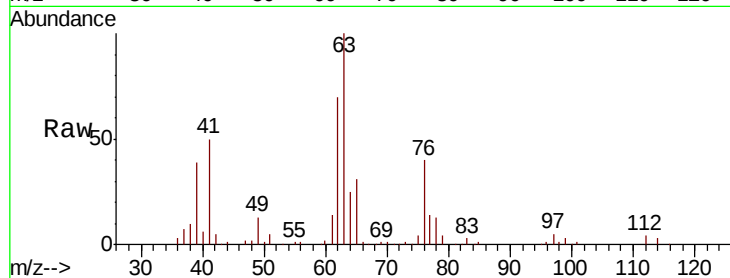
VSTD05071

Tgt Ion: 63 Resp: 108630

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



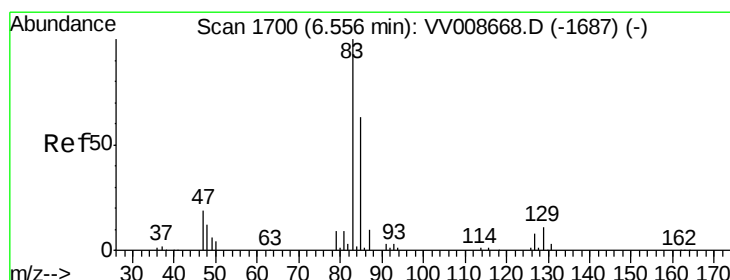
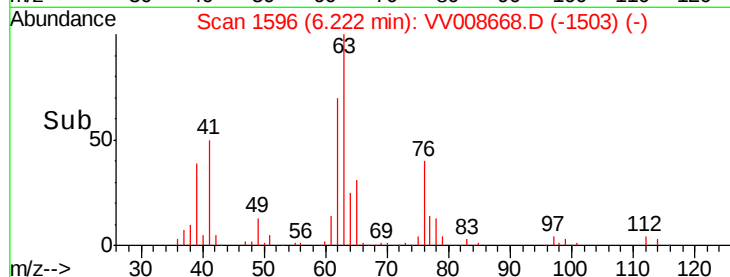
Abundance Ion 63.00 (62.70 to 63.70): VV008668.D (-1577) (-)

Ion 112.00 (111.70 to 112.70): VV008668.D (-1577) (-)

6.22

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 47.266 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

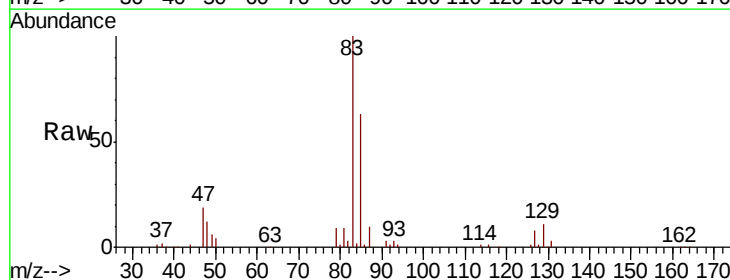
Tgt Ion: 83 Resp: 129057

Ion Ratio Lower Upper

83 100

85 62.5 43.8 81.3

127 8.5 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV008668.D (-1687) (-)

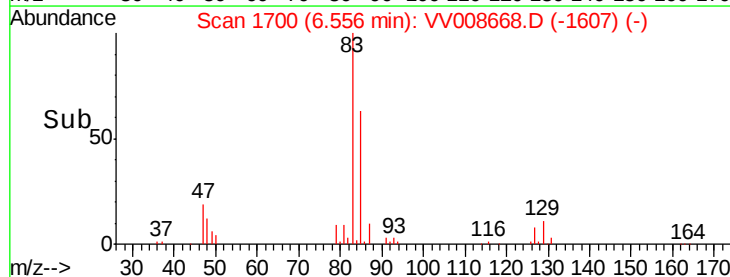
Ion 85.00 (84.70 to 85.70): VV008668.D (-1687) (-)

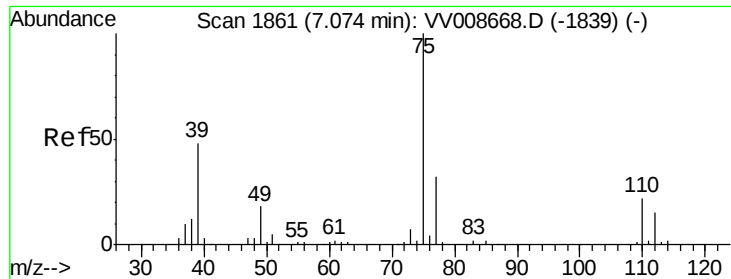
Ion 127.00 (126.70 to 127.70): VV008668.D (-1687) (-)

6.56

6.45 6.55 6.65

Time-->

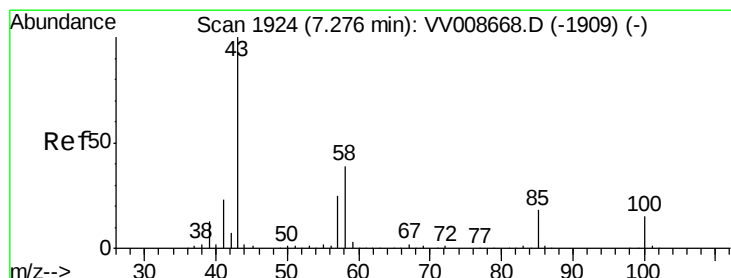
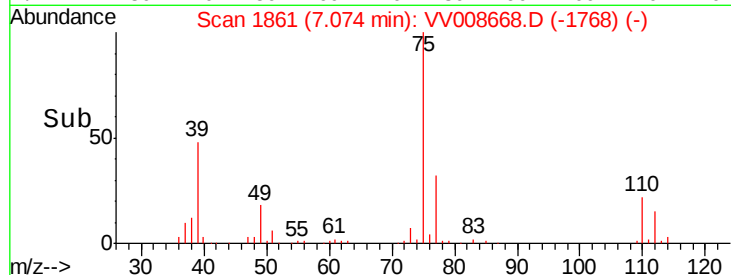
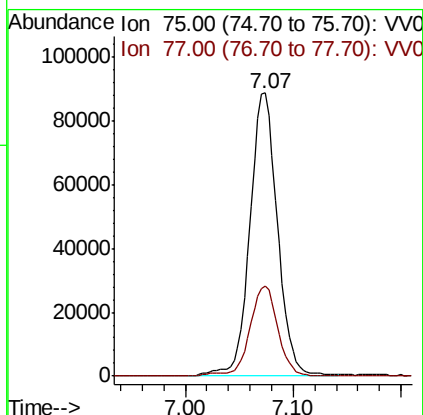
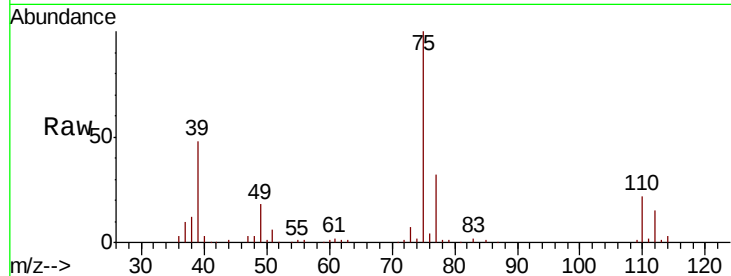




#39
 cis-1,3-Dichloropropene
 Concen: 47.600 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

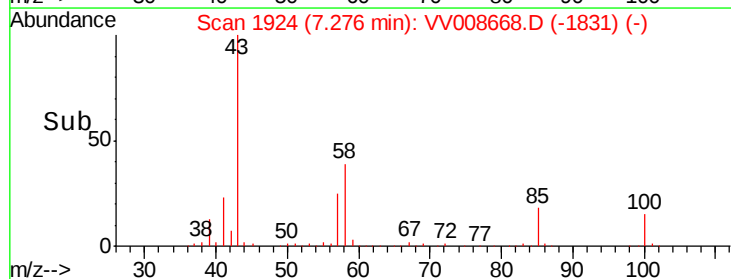
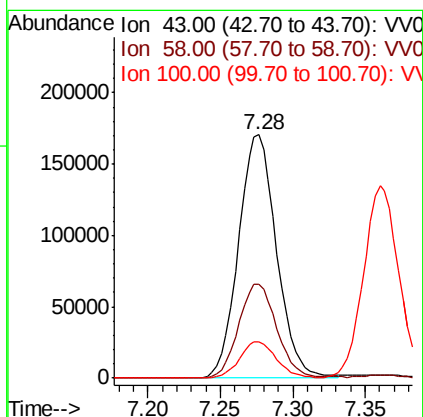
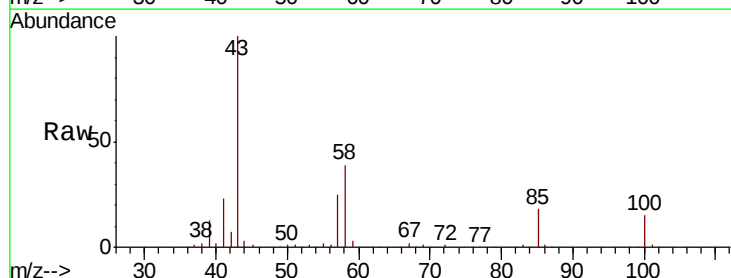
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

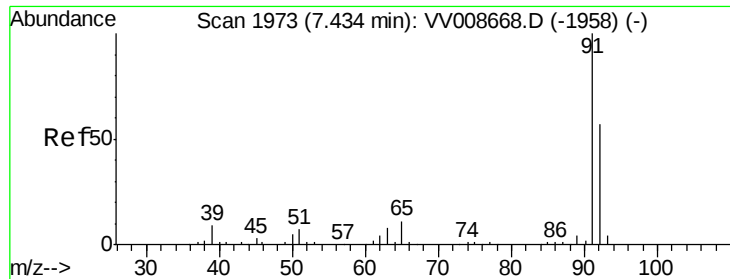
Tgt Ion: 75 Resp: 158102
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 104.925 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

Tgt Ion: 43 Resp: 311271
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.1 46.7
 100 14.5 11.6 17.4





#42

Toluene

Concen: 50.479 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

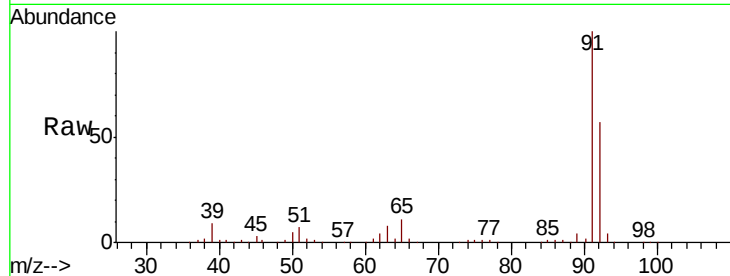
VSTD05071

Tgt Ion: 91 Resp: 424777

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV008668.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV008668.D (-1958) (-)

7.43

250000

200000

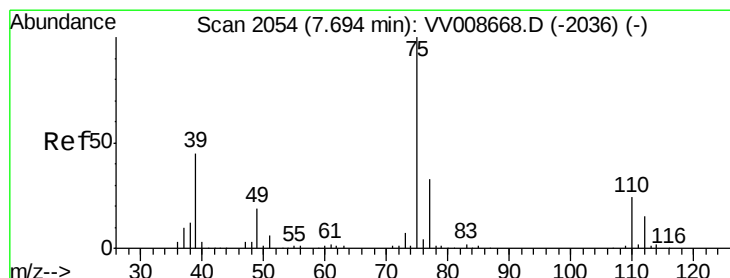
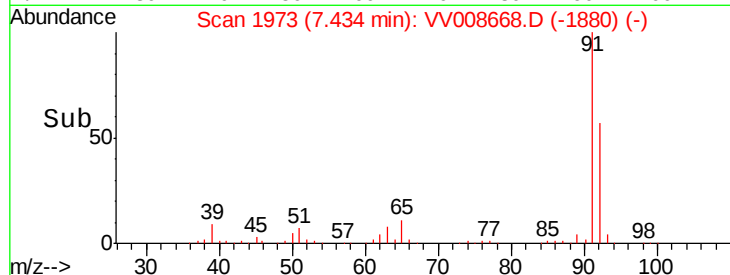
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.319 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008668.D

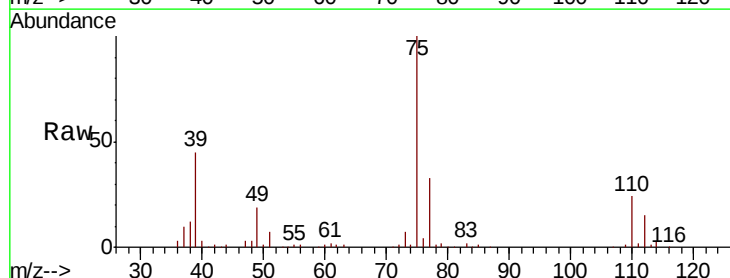
Acq: 20 Nov 2018 12:10

Tgt Ion: 75 Resp: 142925

Ion Ratio Lower Upper

75 100

77 32.8 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VV008668.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008668.D (-2036) (-)

100000

80000

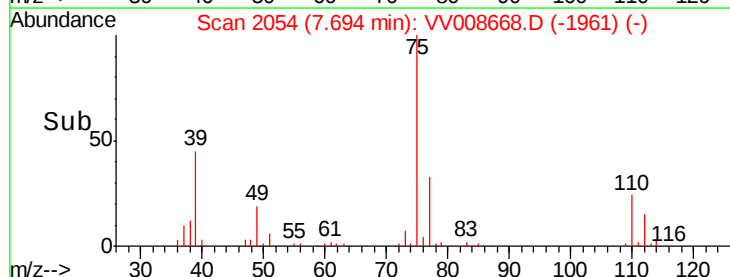
60000

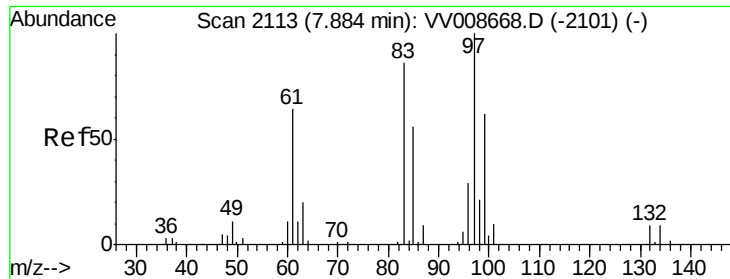
40000

20000

0

Time-->

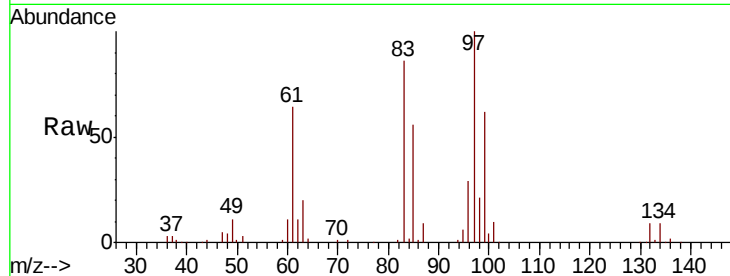




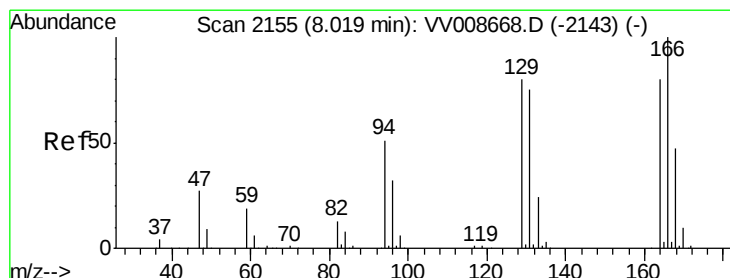
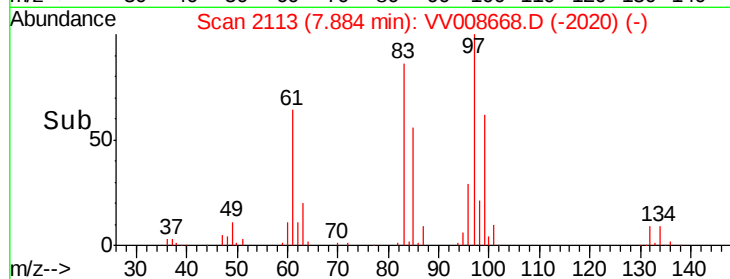
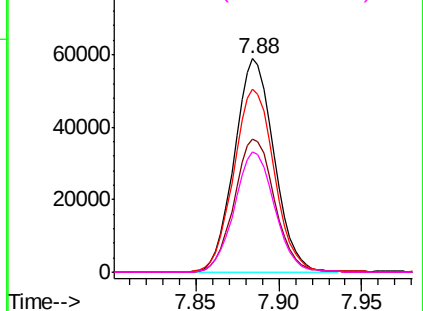
#45
 1,1,2-Trichloroethane
 Concen: 50.013 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Tgt Ion: 97 Resp: 98244
 Ion Ratio Lower Upper
 97 100
 99 62.4 43.7 81.1
 83 85.6 59.9 111.3
 85 56.3 39.4 73.2

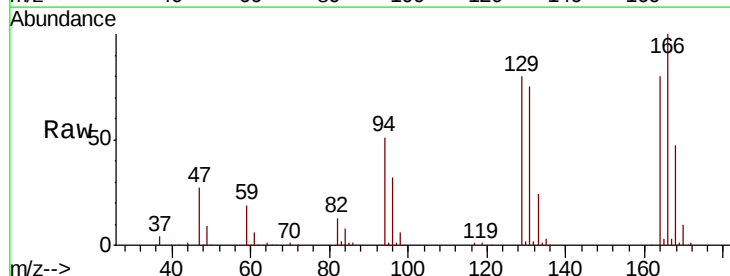


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

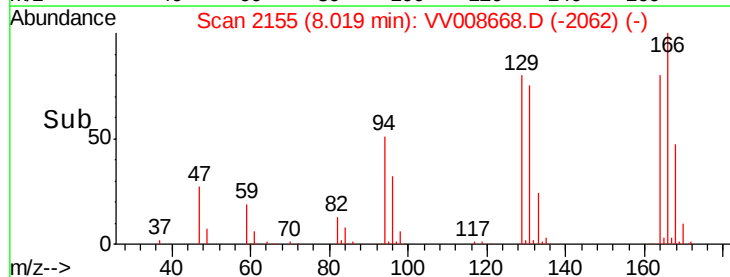
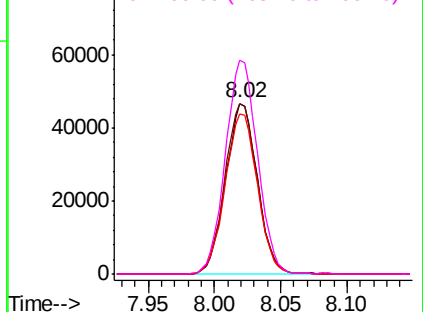


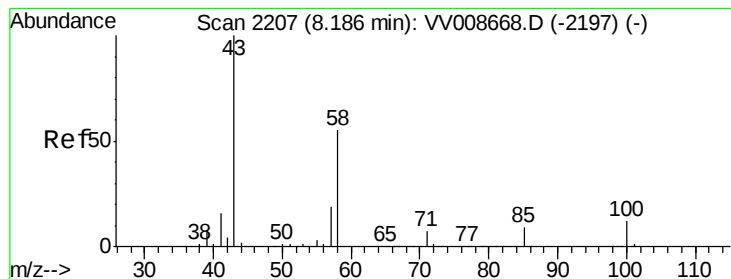
#46
 Tetrachloroethene
 Concen: 50.993 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

Tgt Ion: 164 Resp: 77791
 Ion Ratio Lower Upper
 164 100
 129 100.1 70.1 130.1
 131 94.1 65.9 122.3
 166 125.3 87.7 162.9



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 110.048 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

Tgt Ion: 43 Resp: 252717

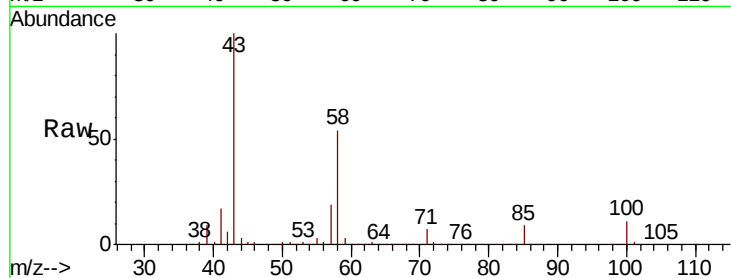
Ion Ratio Lower Upper

43 100

58 54.1 43.3 64.9

57 18.7 15.0 22.4

100 11.4 9.1 13.7

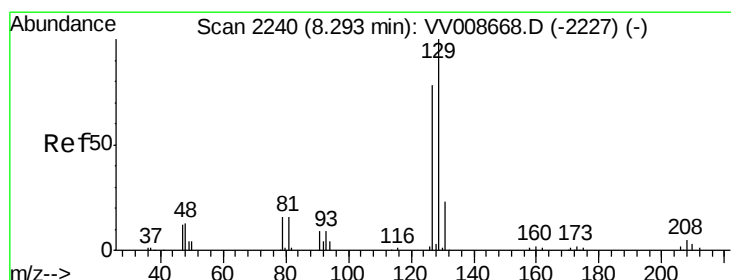
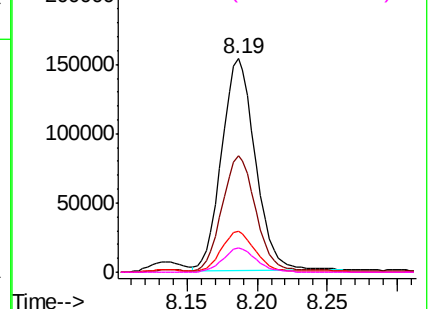
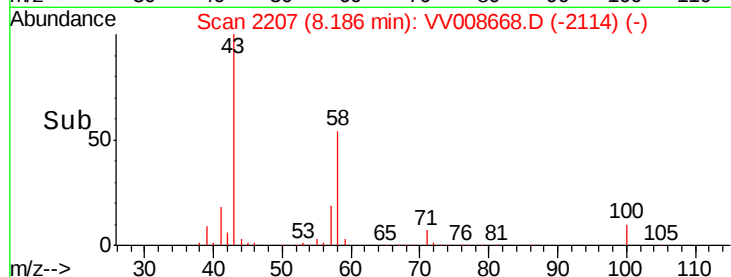


Abundance Ion 43.00 (42.70 to 43.70): VV008668.D (-2197) (-)

Ion 58.00 (57.70 to 58.70): VV008668.D (-2197) (-)

Ion 57.00 (56.70 to 57.70): VV008668.D (-2197) (-)

Ion 100.00 (99.70 to 100.70): VV008668.D (-2197) (-)



#49

Dibromochloromethane

Concen: 48.353 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV008668.D

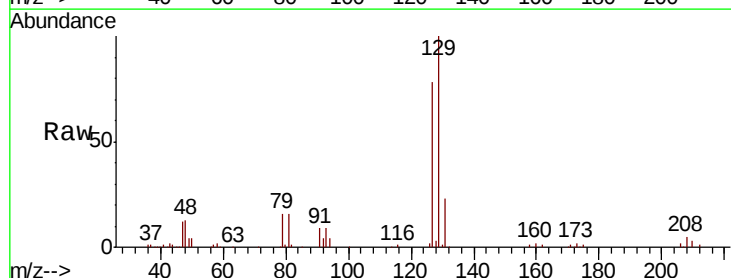
Acq: 20 Nov 2018 12:10

Tgt Ion: 129 Resp: 99320

Ion Ratio Lower Upper

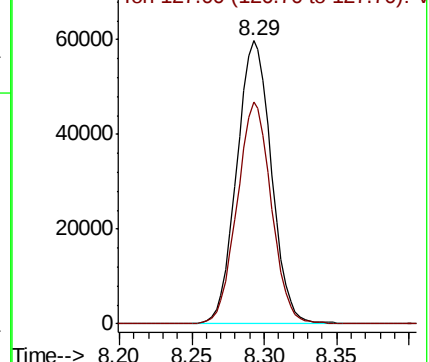
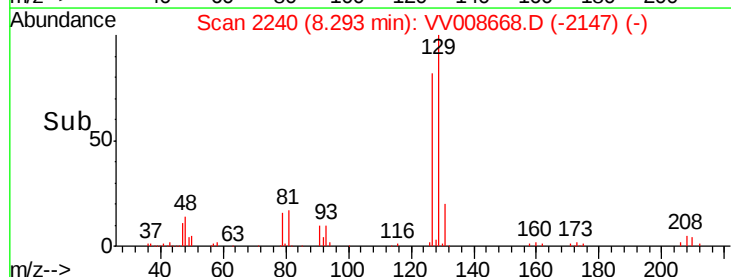
129 100

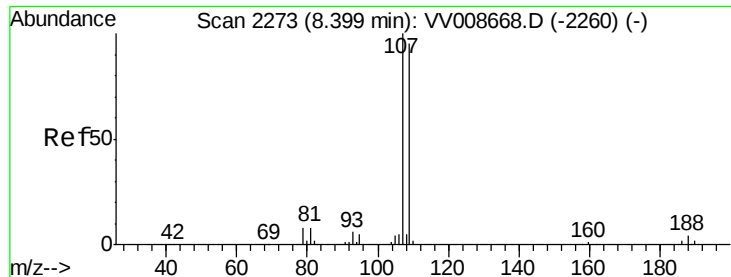
127 78.5 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): VV008668.D (-2227) (-)

Ion 127.00 (126.70 to 127.70): VV008668.D (-2227) (-)

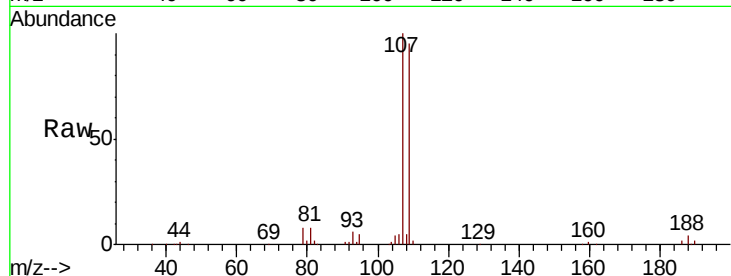




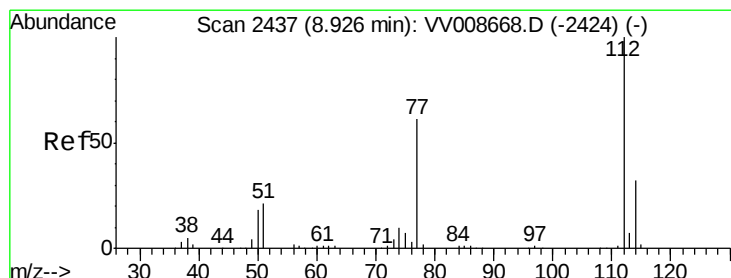
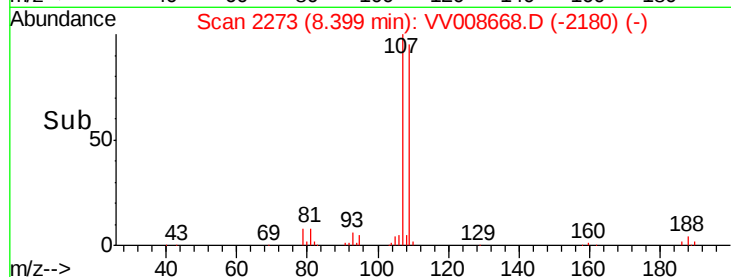
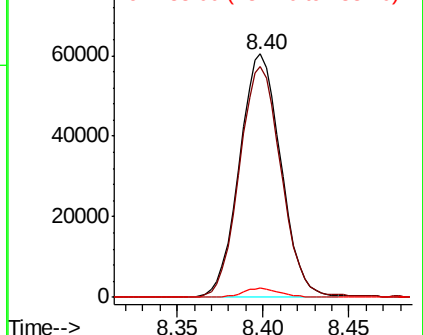
#50
1,2-Dibromoethane
Concen: 49.717 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.2	123.0
188	3.6	2.9	4.3

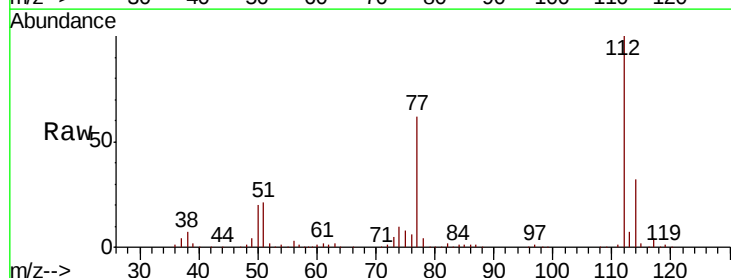


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

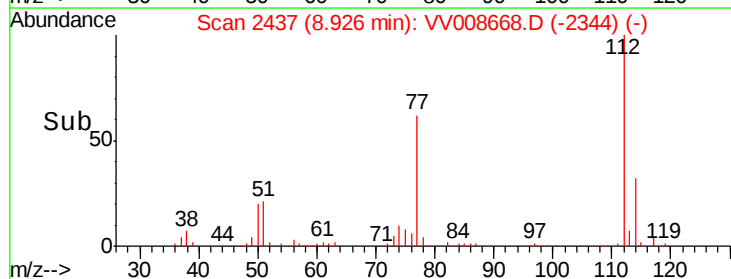
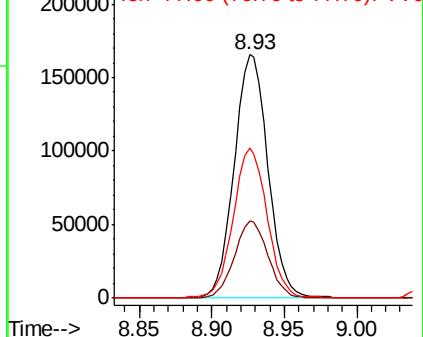


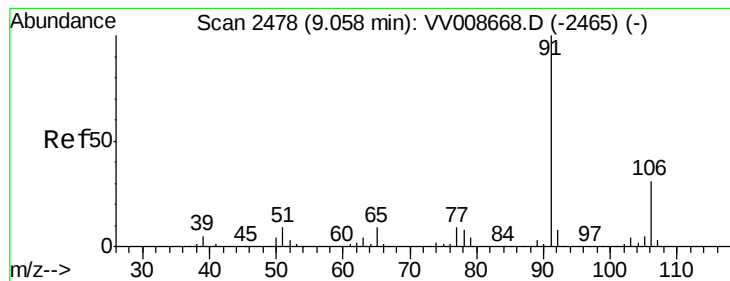
#51
Chlorobenzene
Concen: 50.700 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.3	41.3
77	61.6	49.3	73.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.432 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

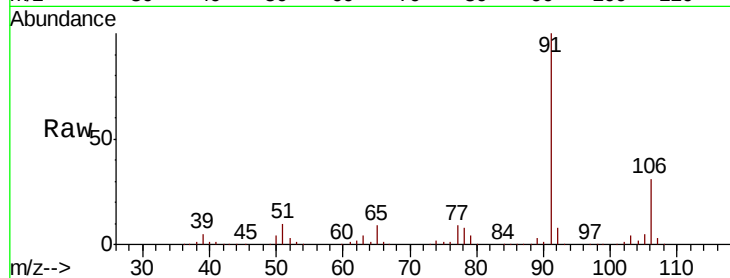
VSTD05071

Tgt Ion: 91 Resp: 467277

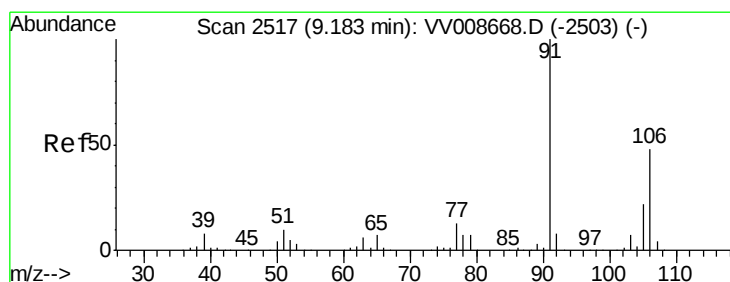
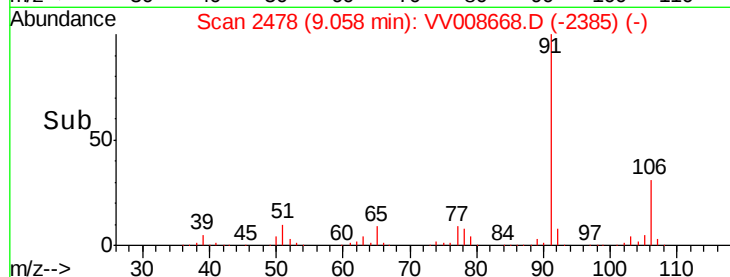
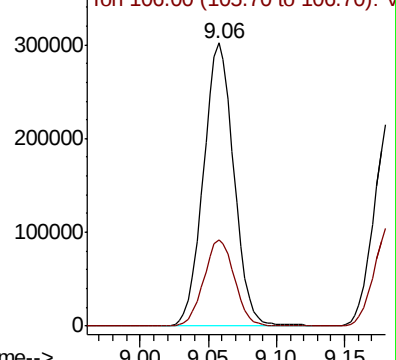
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008668.D (-2465) (-)



#53

m,p-Xylene

Concen: 51.372 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008668.D

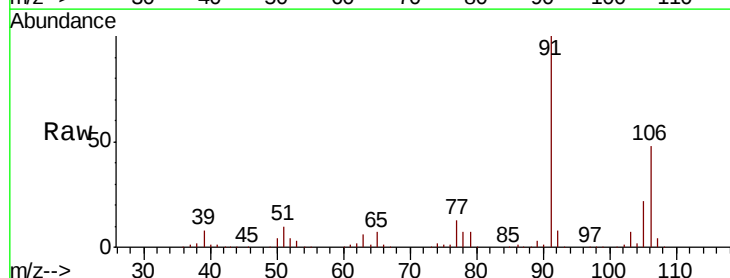
Acq: 20 Nov 2018 12:10

Tgt Ion: 106 Resp: 174447

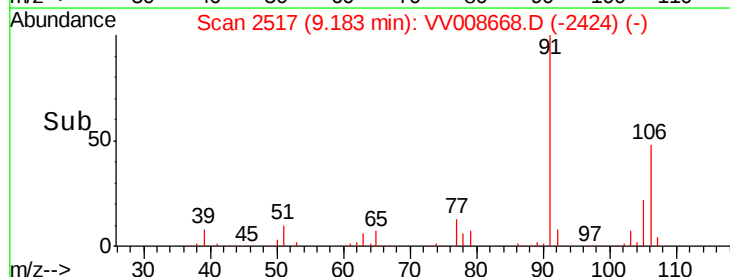
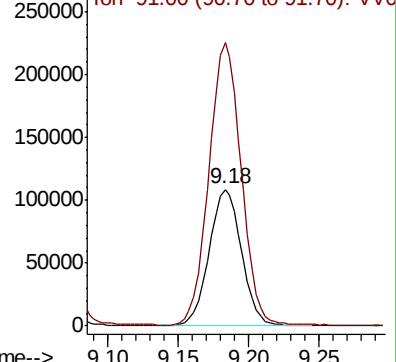
Ion Ratio Lower Upper

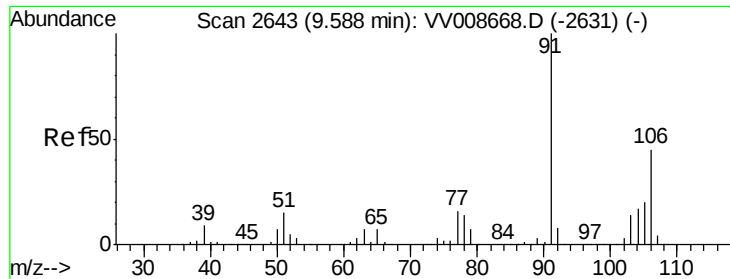
106 100

91 207.5 145.3 269.8



Abundance Ion 106.00 (105.70 to 106.70): VV008668.D (-2503) (-)

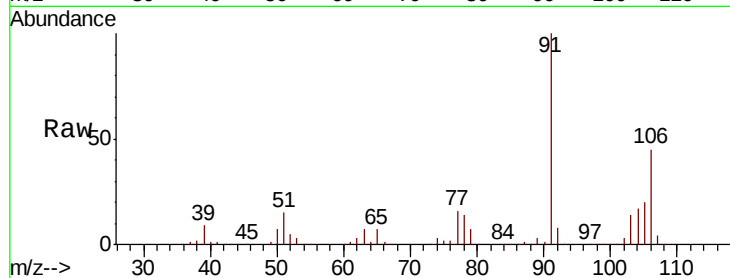




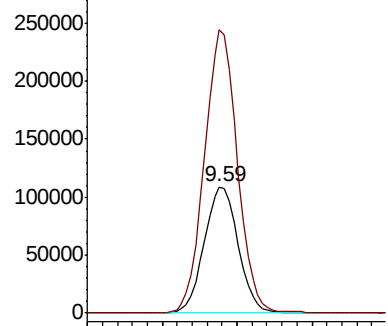
#54
o-xylene
Concen: 51.100 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

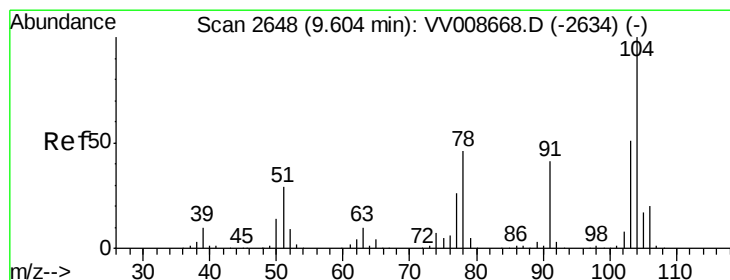
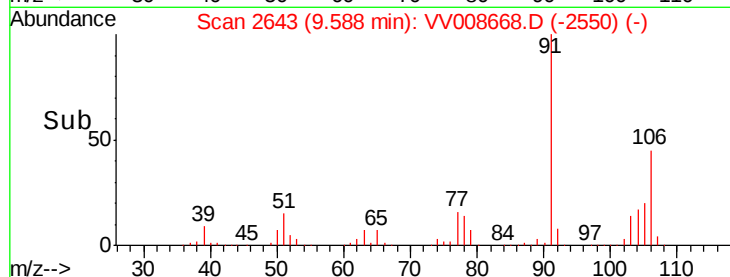
Tgt Ion:106 Resp: 172024
Ion Ratio Lower Upper
106 100
91 224.6 157.2 292.0



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

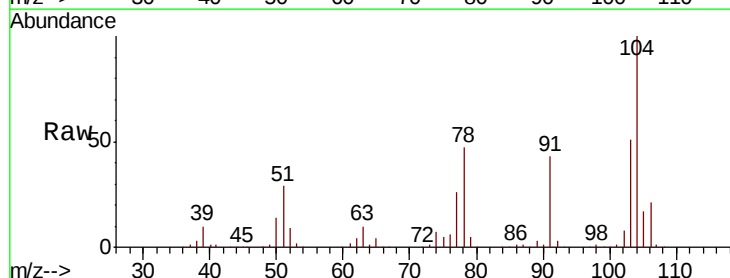


Time--> 9.50 9.55 9.60 9.65

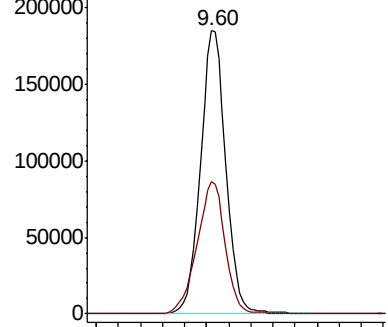


#55
Styrene
Concen: 53.048 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008668.D
Acq: 20 Nov 2018 12:10

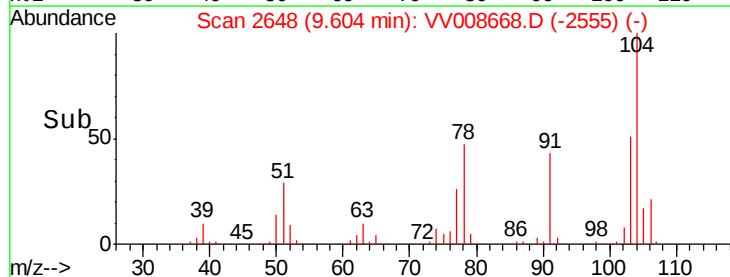
Tgt Ion:104 Resp: 294096
Ion Ratio Lower Upper
104 100
78 46.6 32.6 60.6

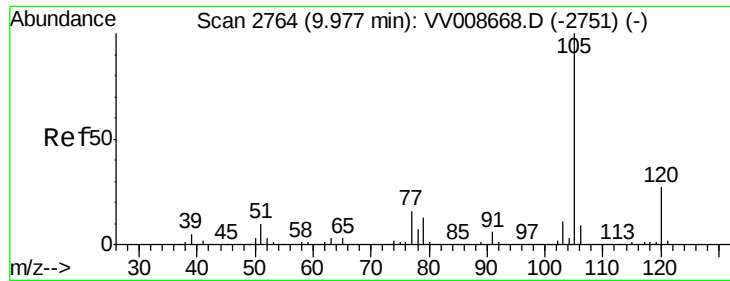


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0



Time--> 9.50 9.60 9.70





#56

Isopropylbenzene

Concen: 51.273 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

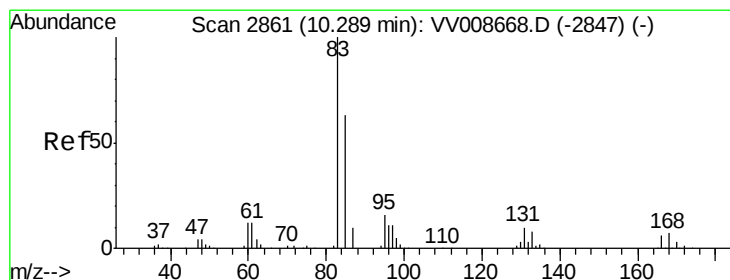
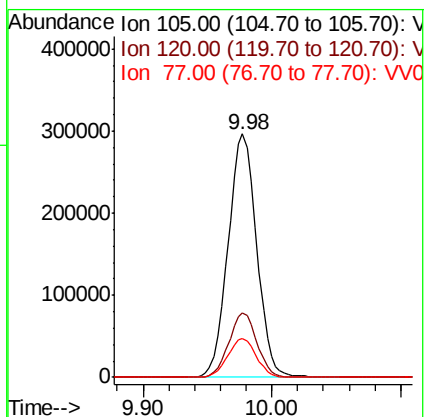
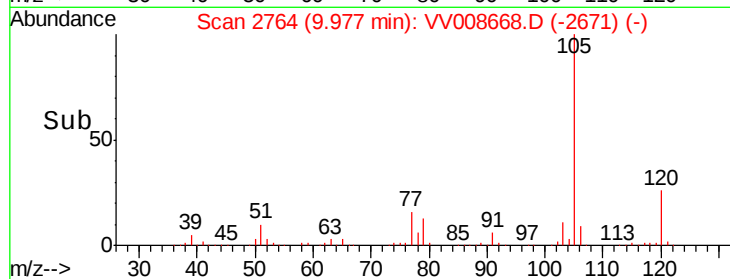
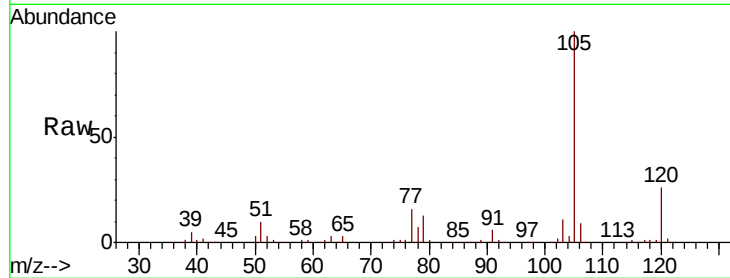
Tgt Ion: 105 Resp: 454361

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

77 16.1 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 53.041 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

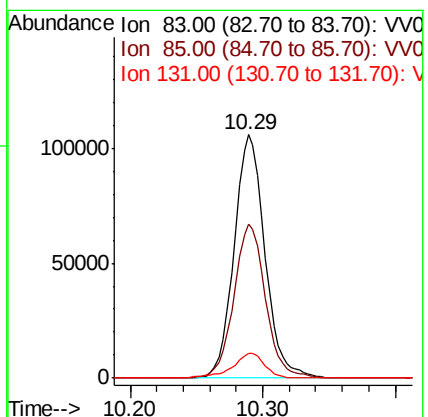
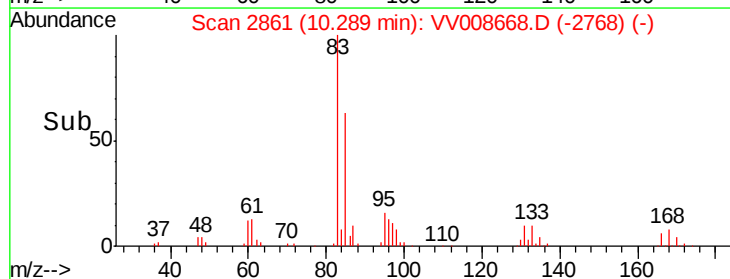
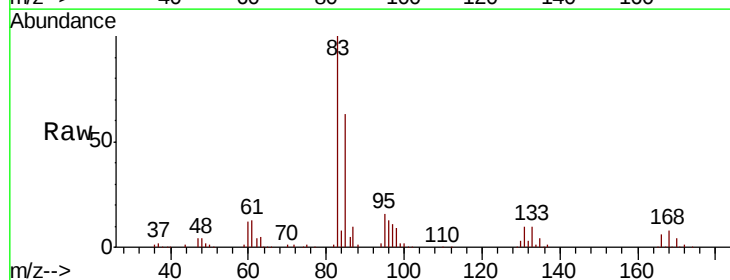
Tgt Ion: 83 Resp: 170382

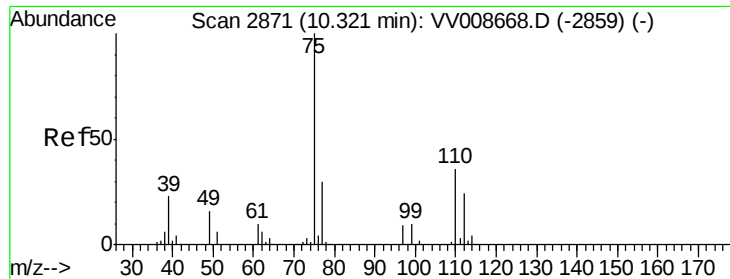
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

131 10.2 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 53.881 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

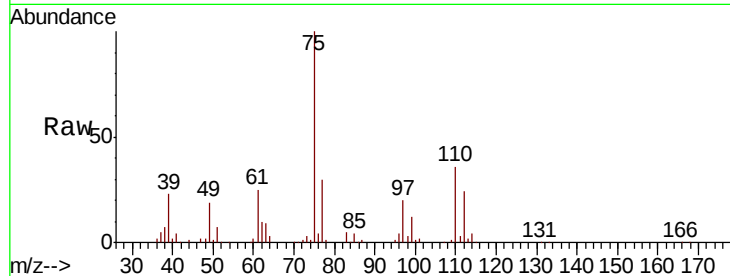
VSTD05071

Tgt Ion: 75 Resp: 142679

Ion Ratio Lower Upper

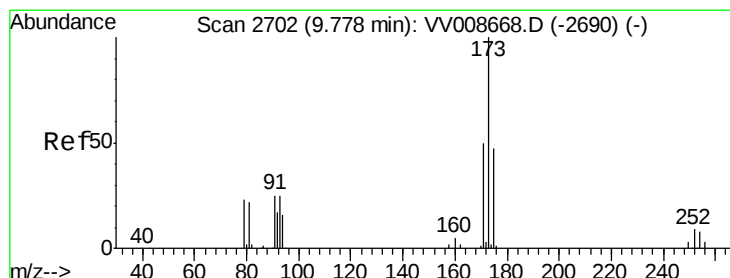
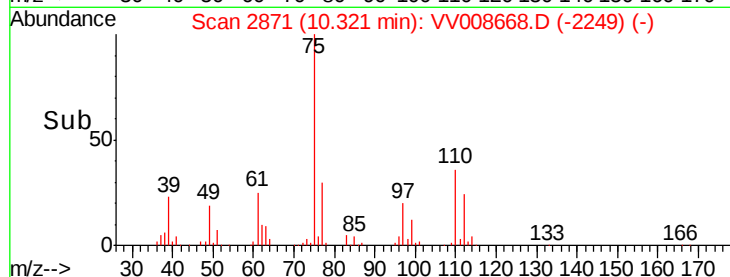
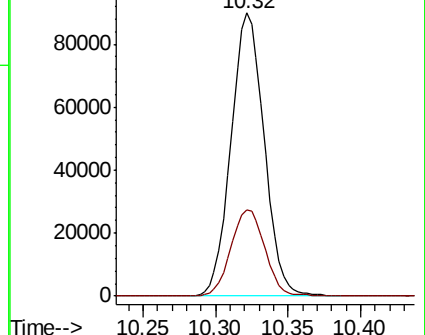
75 100

77 31.3 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV008668.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008668.D (-2859) (-)



#61

Bromoform

Concen: 43.998 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

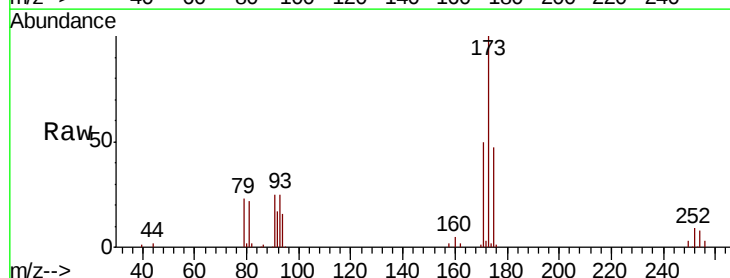
Tgt Ion: 173 Resp: 65285

Ion Ratio Lower Upper

173 100

175 46.9 37.5 56.3

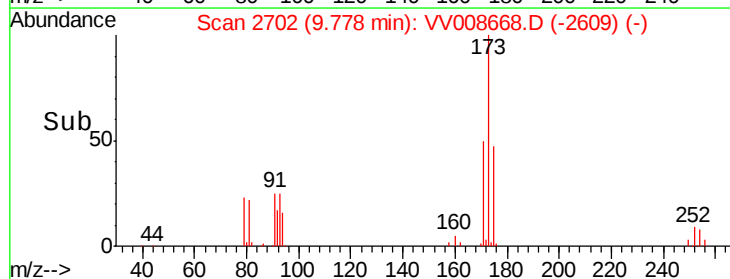
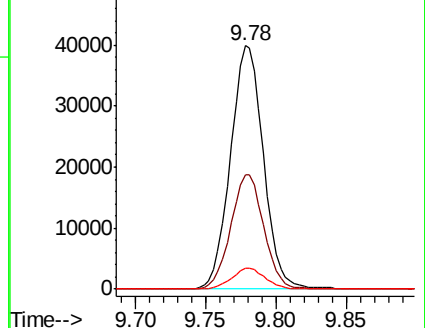
254 8.5 6.8 10.2

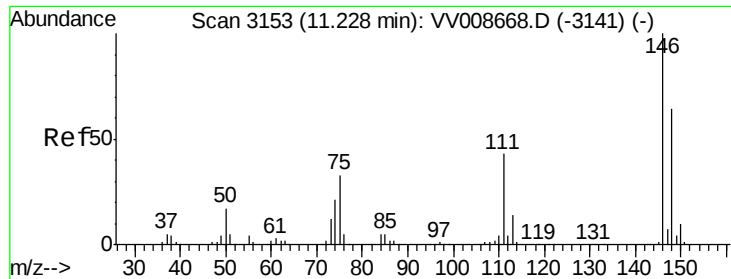


Abundance Ion 173.00 (172.70 to 173.70): VV008668.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV008668.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV008668.D (-2690) (-)





#62

1,3-Dichlorobenzene

Concen: 49.402 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

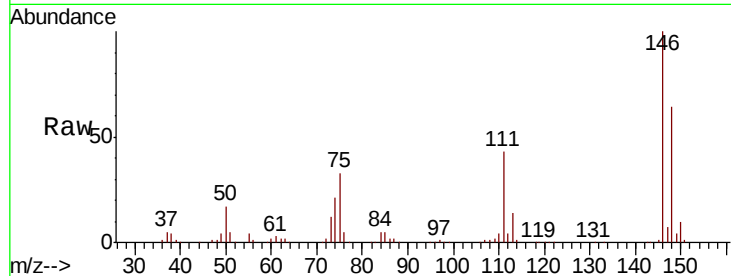
Tgt Ion:146 Resp: 205565

Ion Ratio Lower Upper

146 100

111 42.9 30.0 55.8

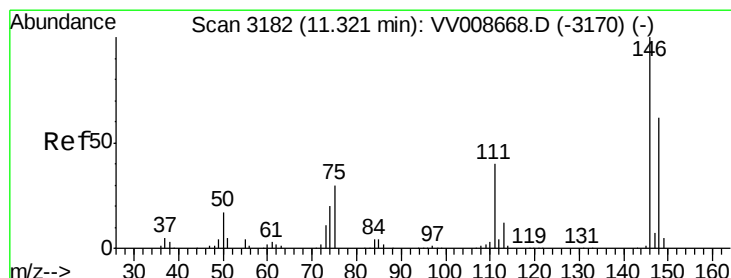
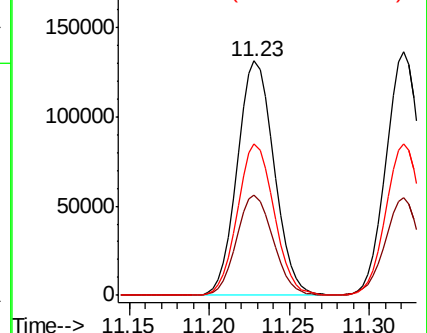
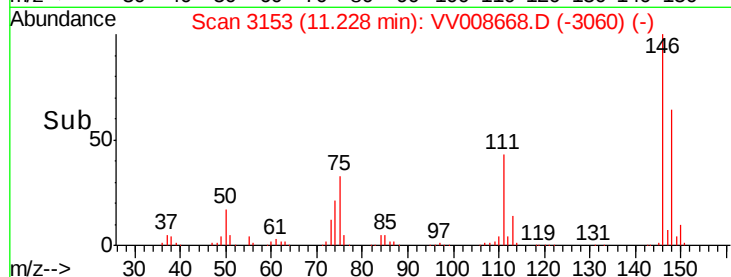
148 64.3 45.0 83.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.026 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

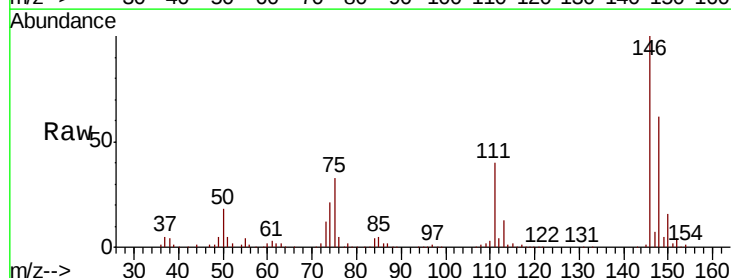
Tgt Ion:146 Resp: 208962

Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.3

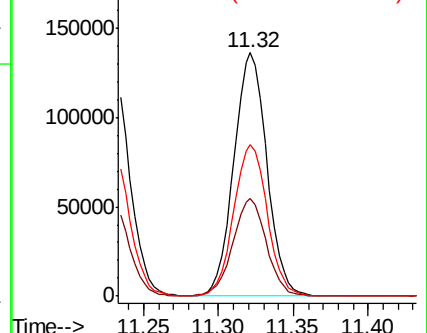
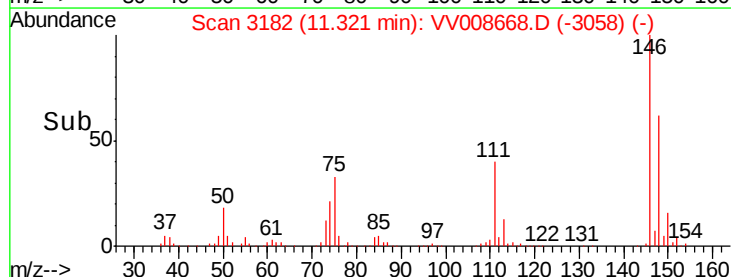
148 62.3 43.6 81.0

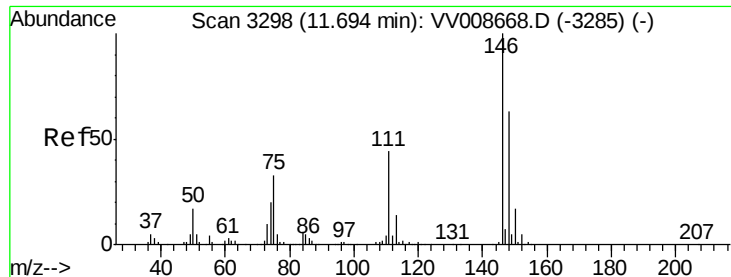


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

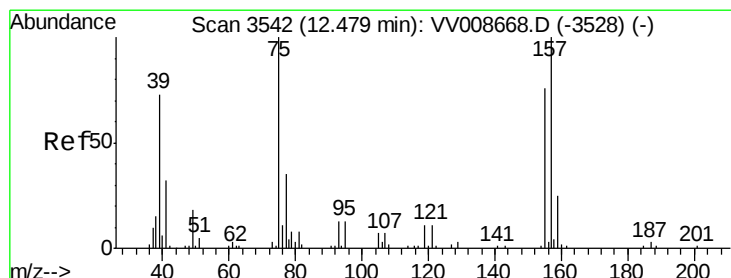
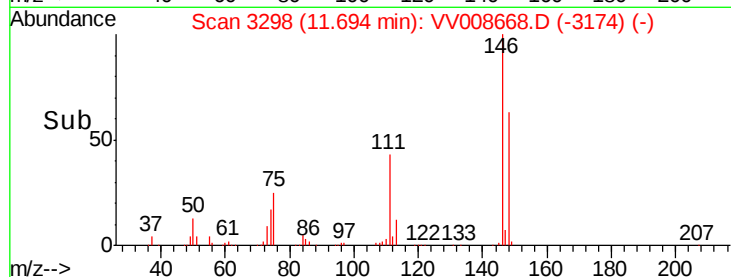
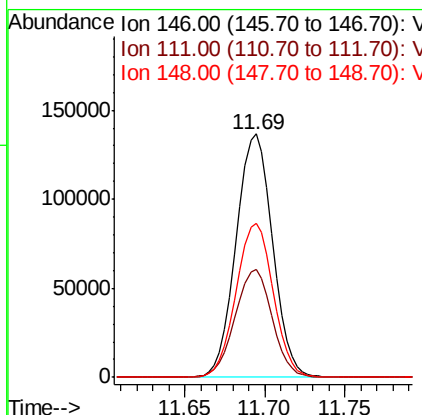
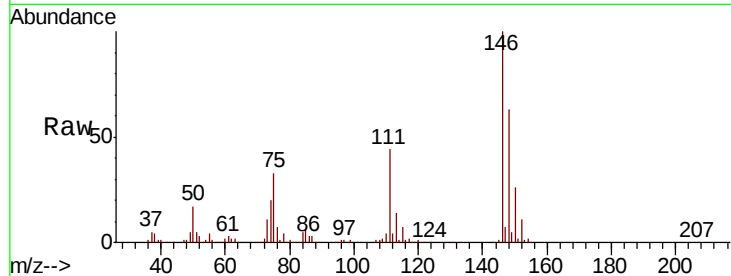




#65
 1,2-Dichlorobenzene
 Concen: 49.944 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

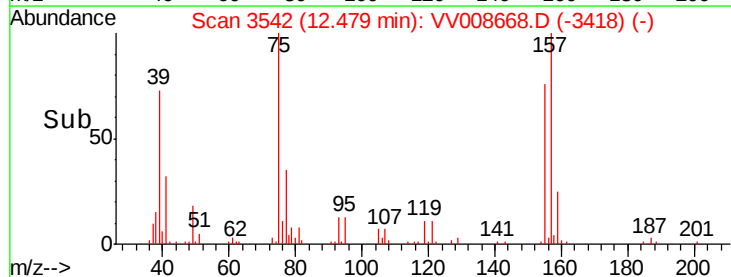
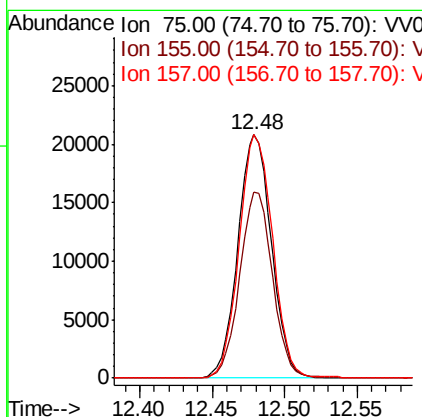
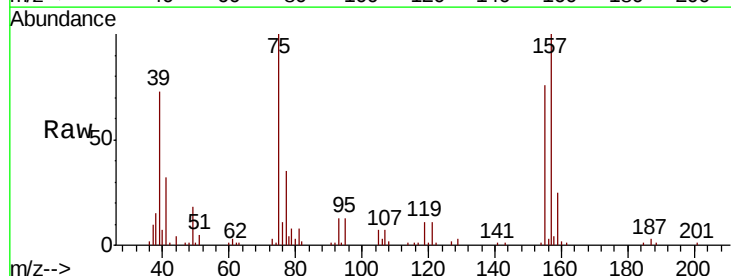
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

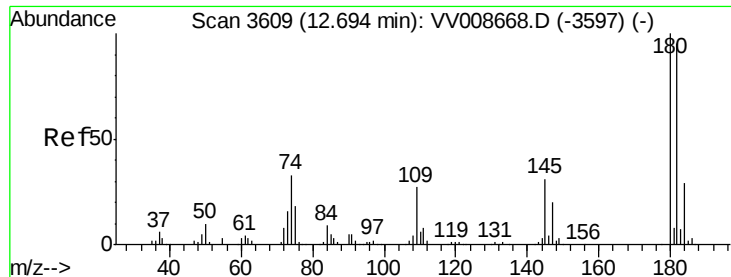
Tgt Ion: 146 Resp: 212493
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.3 52.9
 148 63.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.074 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

Tgt Ion: 75 Resp: 33408
 Ion Ratio Lower Upper
 75 100
 155 76.3 61.0 91.6
 157 99.9 79.9 119.9

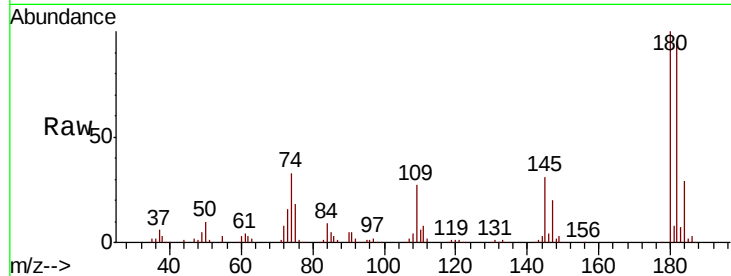




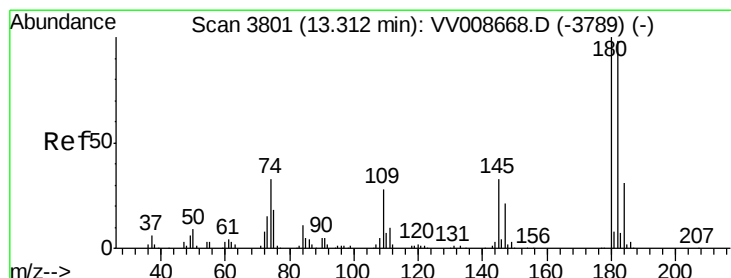
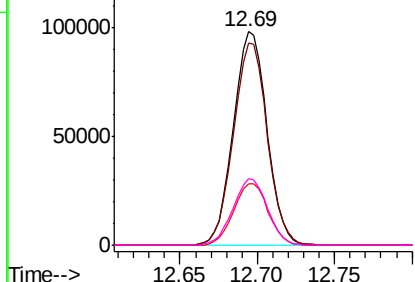
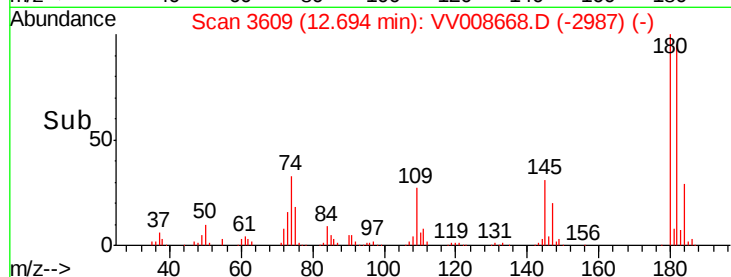
#67
 1,3,5-Trichlorobenzene
 Concen: 51.737 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05071

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	29.8	23.8	35.8
145	31.9	25.5	38.3

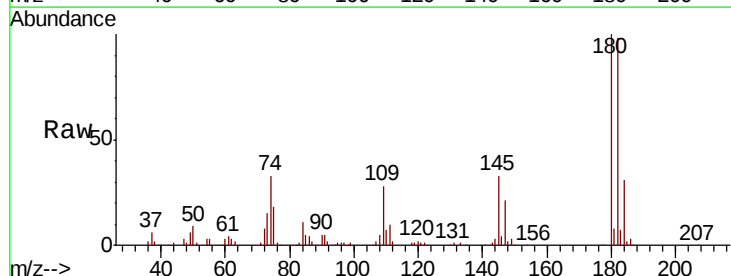


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

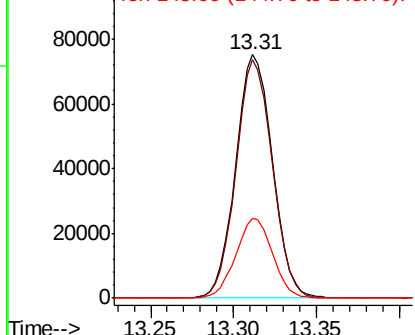
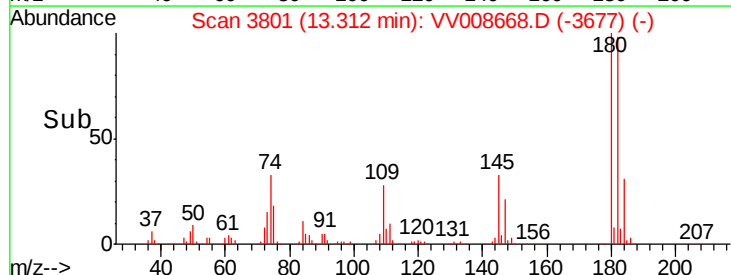


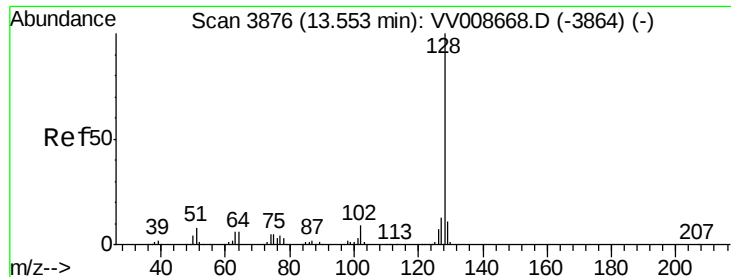
#68
 1,2,4-trichlorobenzene
 Concen: 51.888 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008668.D
 Acq: 20 Nov 2018 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	32.6	26.1	39.1



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





#69

Naphthalene

Concen: 51.634 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

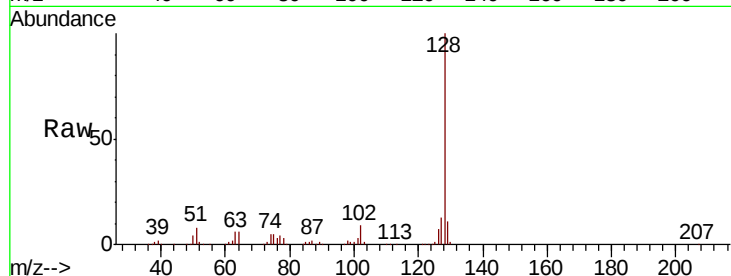
Tgt Ion:128 Resp: 334788

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

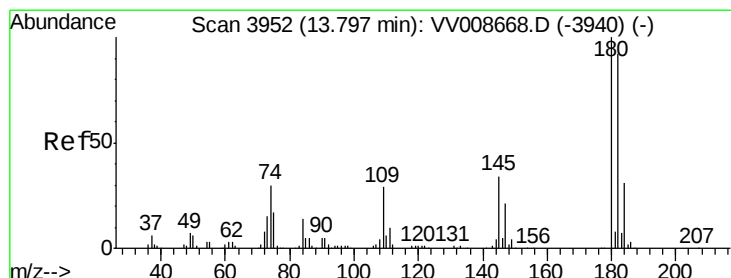
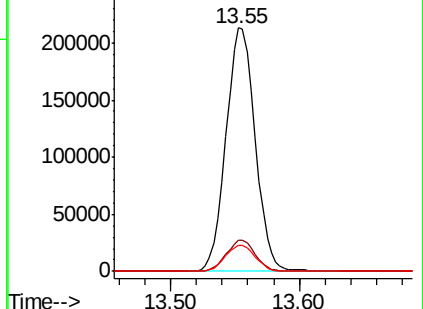
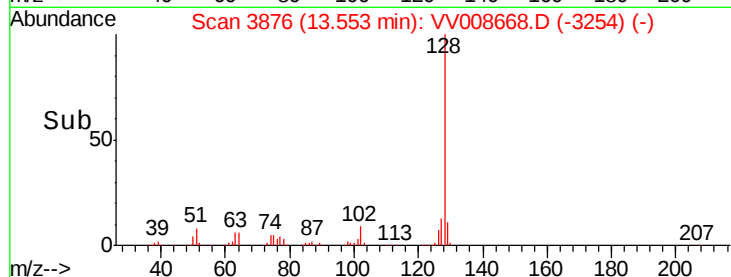
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.270 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008668.D

Acq: 20 Nov 2018 12:10

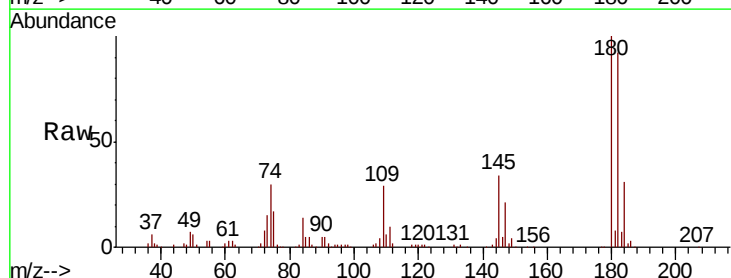
Tgt Ion:180 Resp: 118124

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 34.1 27.3 40.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

