

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008666.D
 Acq On : 20 Nov 2018 11:21
 Operator : SY/MD
 Sample : VSTD00569
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Quant Time: Nov 21 01:05:16 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	266049	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	246066	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102870	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9298	5.28	ug/L	0.00
7) Chloroethane-d5	1.59	69	6971	6.21	ug/L	0.03
11) 1,1-Dichloroethene-d2	2.14	63	15987	5.22	ug/L	0.01
21) 2-Butanone-d5	3.94	46	14467	9.57	ug/L	0.00
24) Chloroform-d	4.41	84	19178	4.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	12649	5.08	ug/L	0.00
32) Benzene-d6	5.10	84	38585	4.86	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	12039	4.71	ug/L	0.00
41) Toluene-d8	7.36	98	33329	4.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5026	4.17	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	8367	7.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	15191	4.63	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11506	4.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11229	5.374 ug/L	98
3) Chloromethane	1.26	50	11246	6.094 ug/L	97
5) Vinyl chloride	1.32	62	10031	5.454 ug/L	96
6) Bromomethane	1.54	94	5419	9.123 ug/L	99
8) Chloroethane	1.60	64	6210	6.267 ug/L	99
9) Trichlorofluoromethane	1.77	101	13813	5.522 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7730	5.382 ug/L	96
12) 1,1-Dichloroethene	2.14	96	7165	5.638 ug/L #	82
13) Acetone	2.19	43	16183	13.166 ug/L	99
14) Carbon disulfide	2.32	76	27527	5.329 ug/L	100
15) Methyl Acetate	2.46	43	11801	5.237 ug/L	98
16) Methylene chloride	2.54	84	11028	5.381 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	9481	5.187 ug/L	98
18) Methyl tert-butyl Ether	2.81	73	31185	5.023 ug/L	99
19) 1,1-Dichloroethane	3.23	63	18249	5.240 ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	11087	5.379 ug/L	79
22) 2-Butanone	4.02	43	19268	11.372 ug/L	93
23) Bromochloromethane	4.31	128	5373	5.461 ug/L	82
25) Chloroform	4.43	83	20553	5.297 ug/L	93
27) 1,2-Dichloroethane	5.18	62	14973	5.304 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	15494	4.979 ug/L	97
31) Carbon tetrachloride	4.88	117	12760	4.759 ug/L	99
33) Benzene	5.15	78	39707	5.049 ug/L	100
34) Trichloroethene	5.96	95	10960	5.280 ug/L	95
35) Methylcyclohexane	6.18	83	17325	4.918 ug/L	99
37) 1,2-Dichloropropane	6.22	63	10880	5.099 ug/L #	95
38) Bromodichloromethane	6.56	83	12679	4.767 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	14160	4.377 ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	28103	9.725 ug/L	95
42) Toluene	7.43	91	39820	4.858 ug/L	97

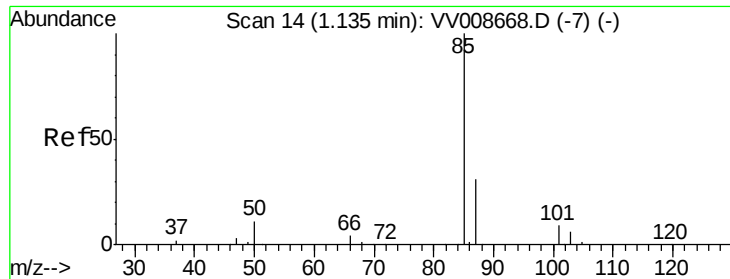
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	12082	4.107	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	9785	5.114	ug/L	93
46) Tetrachloroethene	8.02	164	7498	5.046	ug/L	96
48) 2-Hexanone	8.18	43	19977	8.931	ug/L	96
49) Dibromochloromethane	8.29	129	9003	4.500	ug/L	95
50) 1,2-Dibromoethane	8.40	107	9995	5.028	ug/L #	98
51) Chlorobenzene	8.93	112	25827	5.021	ug/L	95
52) Ethylbenzene	9.06	91	43768	4.849	ug/L	99
53) m,p-Xylene	9.18	106	15444	4.669	ug/L	91
54) o-xylene	9.59	106	15995	4.878	ug/L	91
55) Styrene	9.61	104	24908	4.612	ug/L	100
56) Isopropylbenzene	9.98	105	40984	4.748	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	16227	5.186	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	13035	5.054	ug/L	98
61) Bromoform	9.78	173	5649	4.644	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	17528	5.138	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	18329	5.352	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	18366	5.265	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	2854	4.697	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	11487	4.899	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	7070	3.851	ug/L	97
69) Naphthalene	13.56	128	16981	3.195	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	7521	4.059	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.374 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

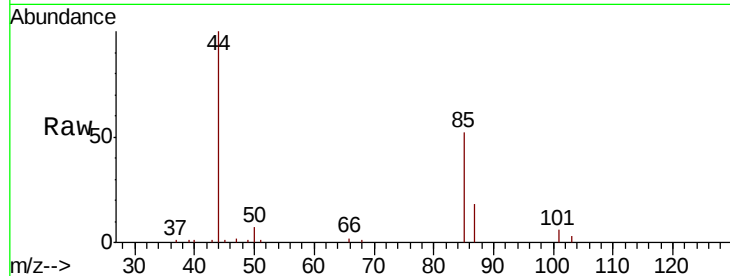
VSTD00569

Tgt Ion: 85 Resp: 11229

Ion Ratio Lower Upper

85 100

87 31.0 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV008666.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008666.D (-7) (-)

12000

10000

8000

6000

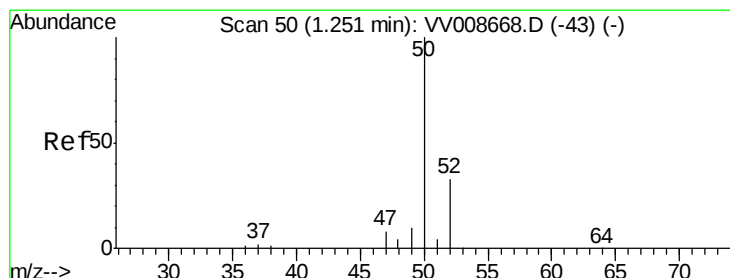
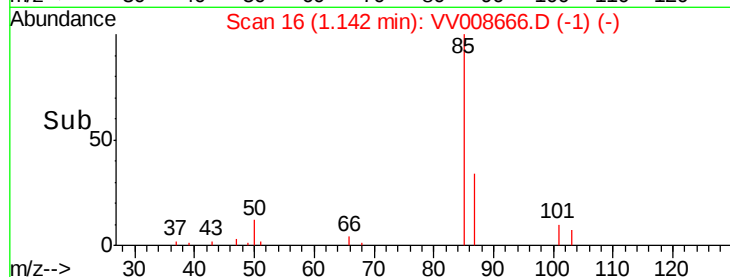
4000

2000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 6.094 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV008666.D

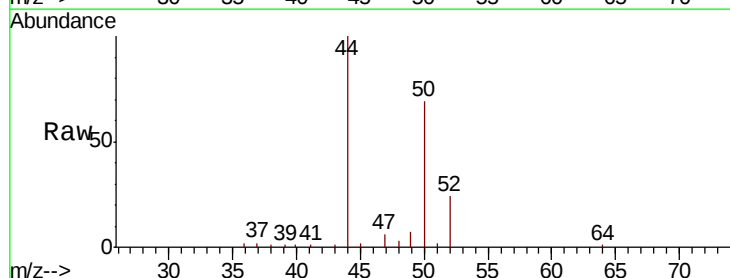
Acq: 20 Nov 2018 11:21

Tgt Ion: 50 Resp: 11246

Ion Ratio Lower Upper

50 100

52 34.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV008666.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008666.D (-43) (-)

10000

8000

6000

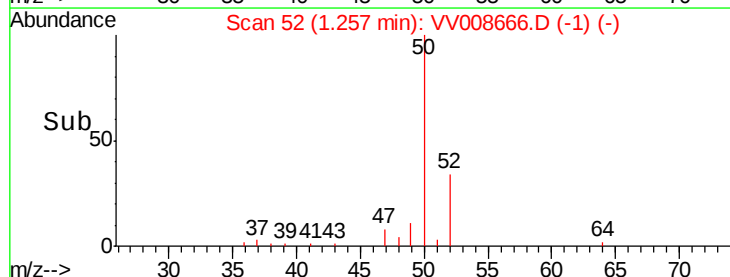
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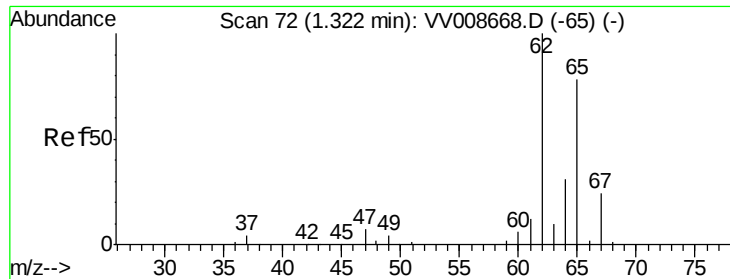
2000

0

1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.454 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

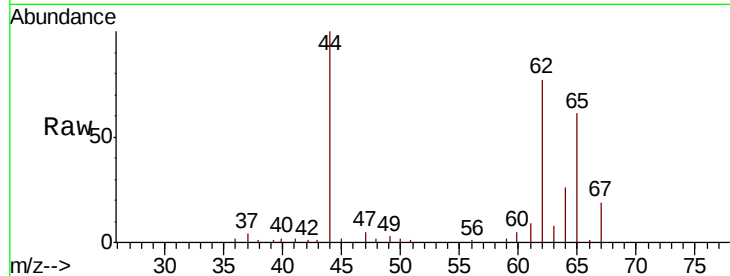
VSTD00569

Tgt Ion: 62 Resp: 10031

Ion Ratio Lower Upper

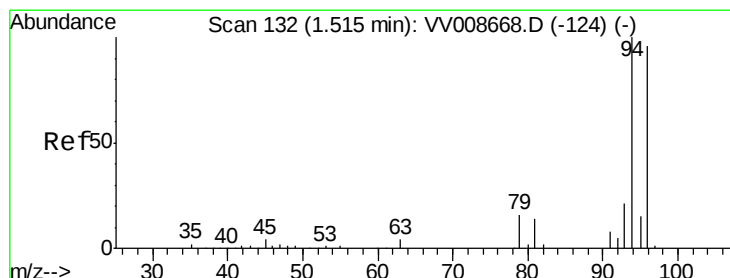
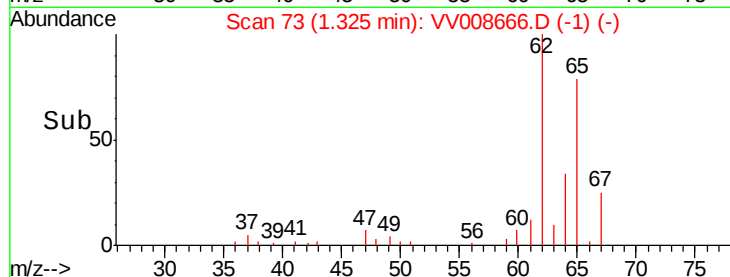
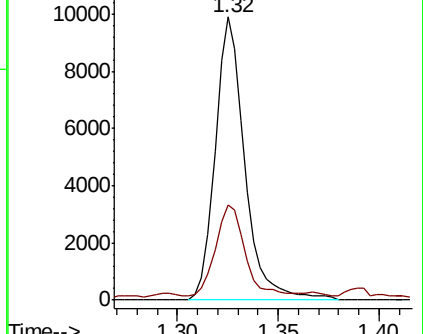
62 100

64 33.9 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: 9.123 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.02 min

Lab File: VV008666.D

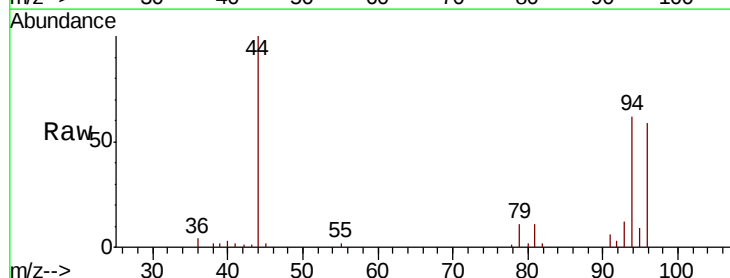
Acq: 20 Nov 2018 11:21

Tgt Ion: 94 Resp: 5419

Ion Ratio Lower Upper

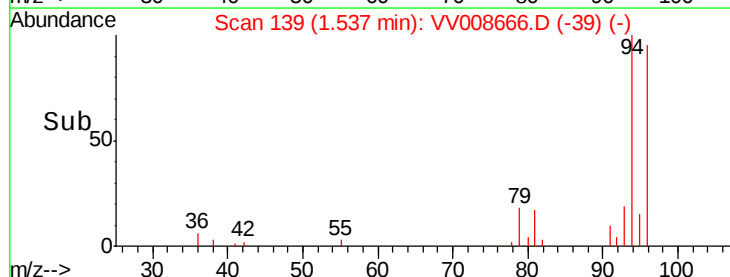
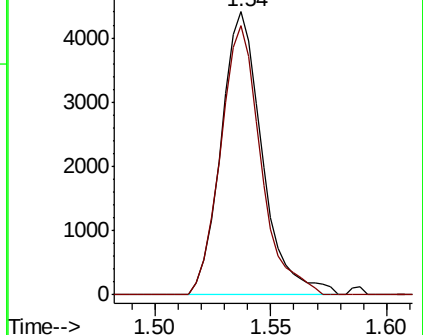
94 100

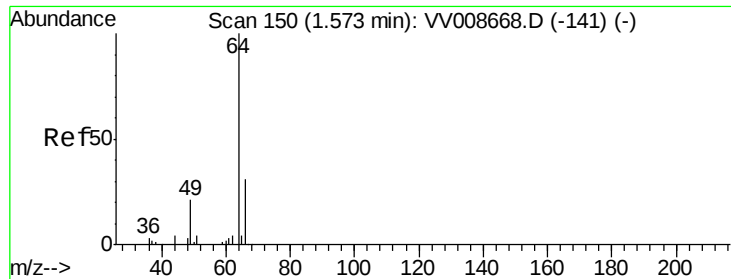
96 95.2 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

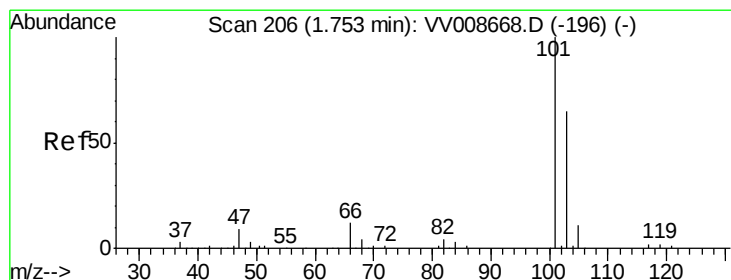
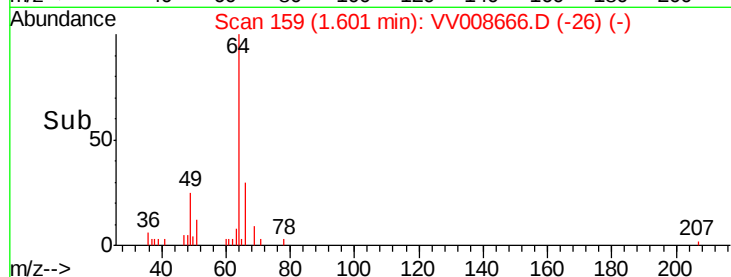
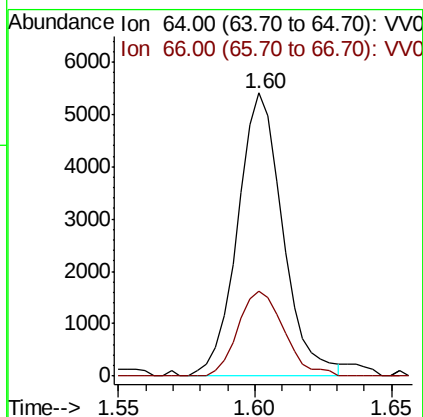
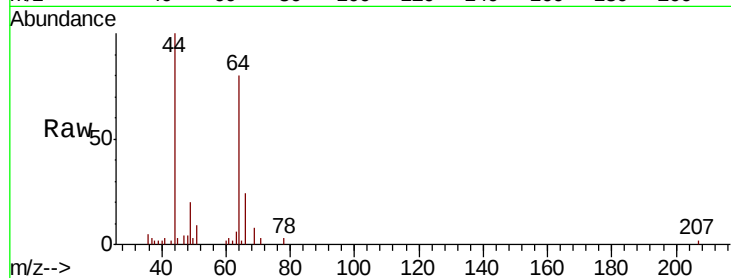




#8
Chloroethane
Concen: 6.267 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.03 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

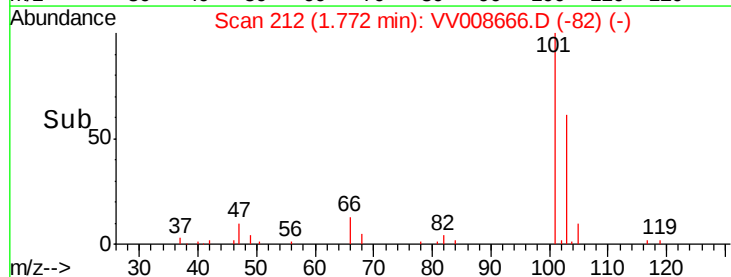
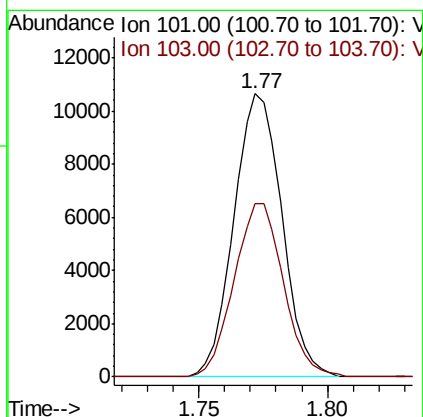
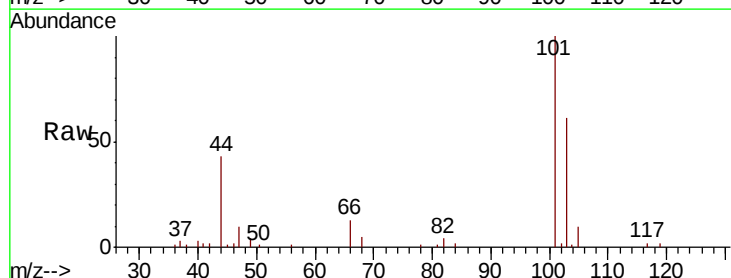
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

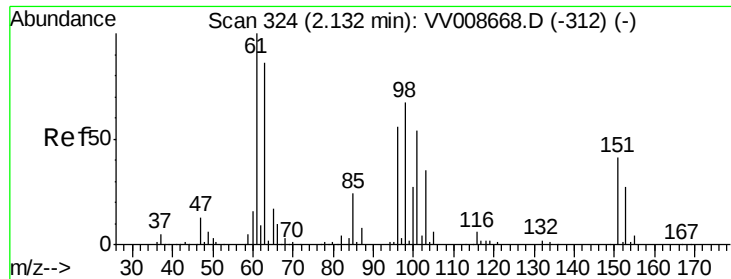
Tgt Ion: 64 Resp: 6210
Ion Ratio Lower Upper
64 100
66 30.0 21.3 39.6



#9
Trichlorofluoromethane
Concen: 5.522 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.02 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

Tgt Ion: 101 Resp: 13813
Ion Ratio Lower Upper
101 100
103 62.8 51.5 77.3





#10

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

Concen: 5.382 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

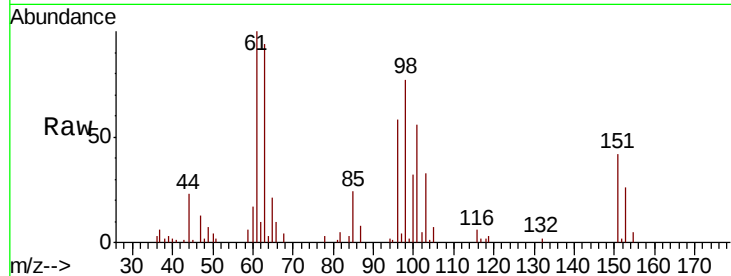
Tgt Ion: 101 Resp: 7730

Ion Ratio Lower Upper

101 100

85 46.3 34.8 52.2

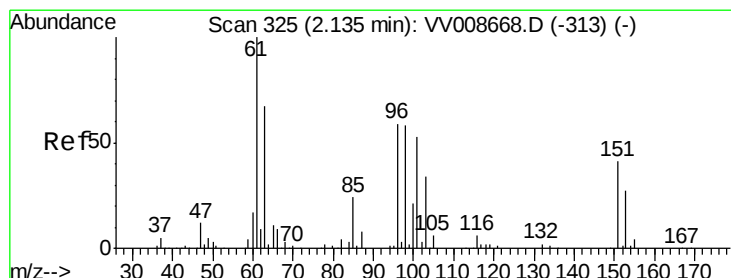
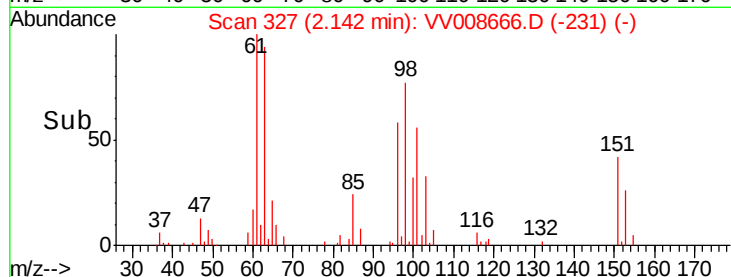
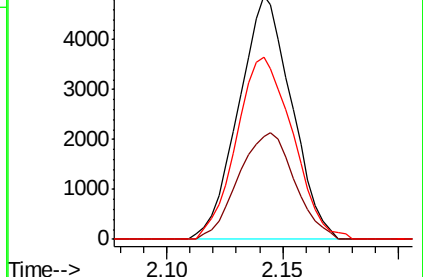
151 79.8 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): VV008666.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VV008666.D (-327) (-)

Ion 151.00 (150.70 to 151.70): VV008666.D (-327) (-)



#12

1,1-Dichloroethene

Concen: 5.638 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

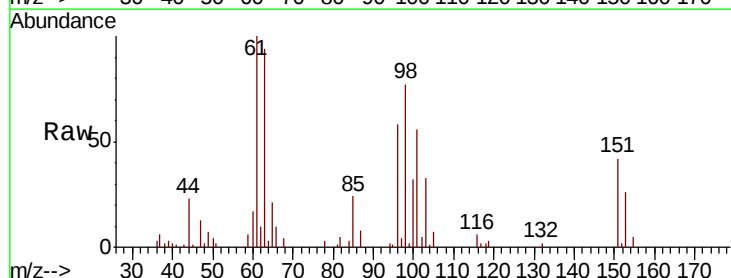
Tgt Ion: 96 Resp: 7165

Ion Ratio Lower Upper

96 100

61 171.8 118.4 220.0

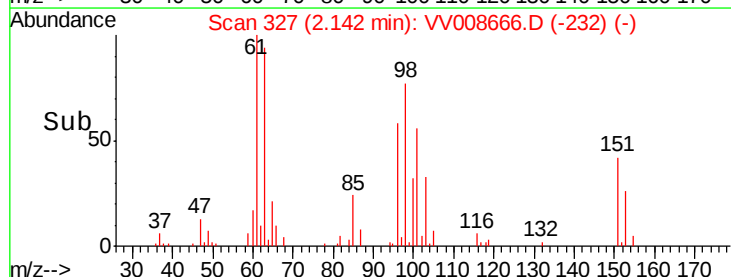
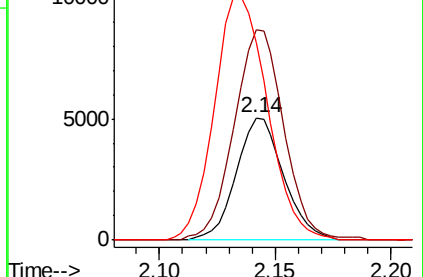
63 161.9 81.8 152.0#

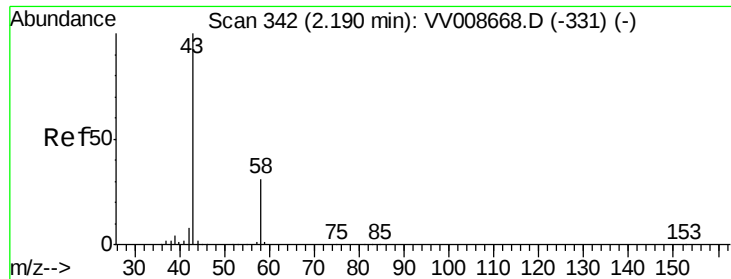


Abundance Ion 96.00 (95.70 to 96.70): VV008666.D (-327) (-)

Ion 61.00 (60.70 to 61.70): VV008666.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VV008666.D (-327) (-)





#13

Acetone

Concen: 13.166 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

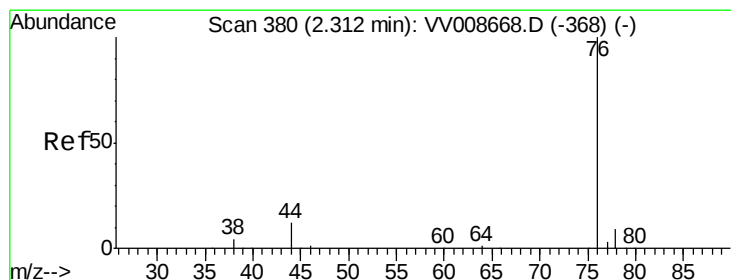
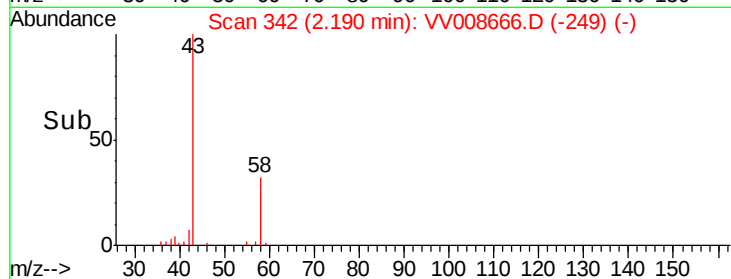
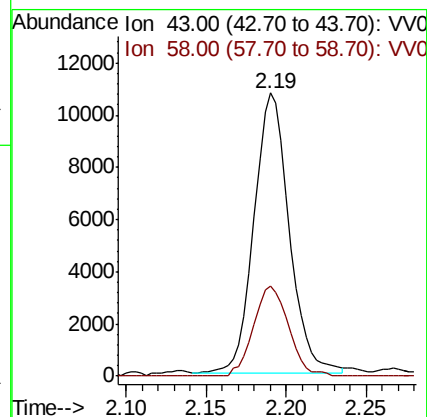
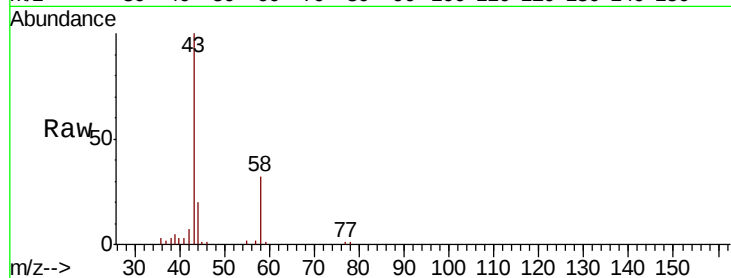
VSTD00569

Tgt Ion: 43 Resp: 16183

Ion Ratio Lower Upper

43 100

58 31.4 0.0 62.0



#14

Carbon disulfide

Concen: 5.329 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV008666.D

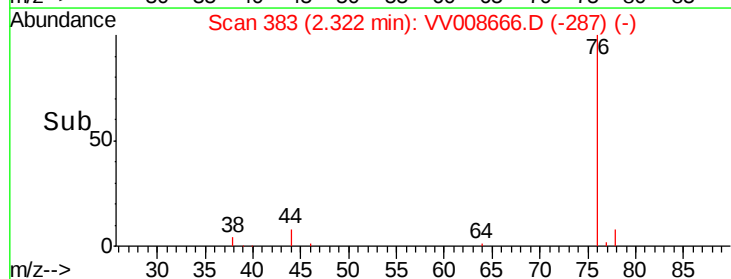
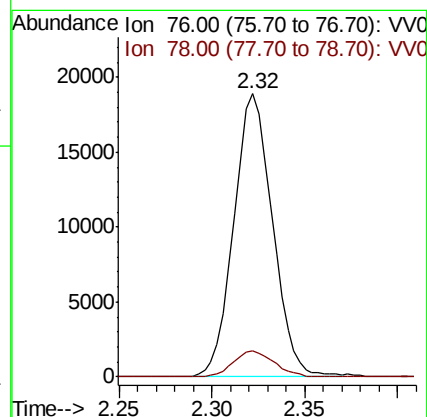
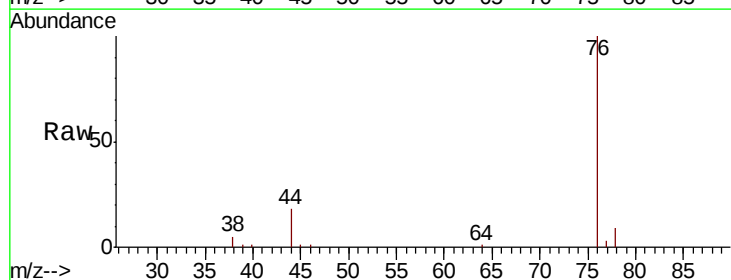
Acq: 20 Nov 2018 11:21

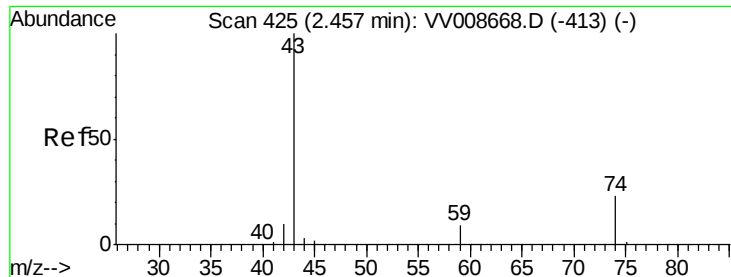
Tgt Ion: 76 Resp: 27527

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2





#15

Methyl Acetate

Concen: 5.237 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

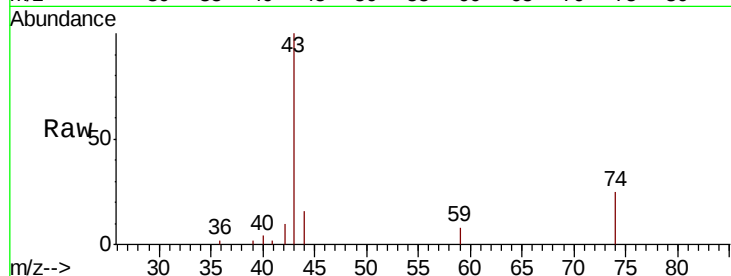
VSTD00569

Tgt Ion: 43 Resp: 11801

Ion Ratio Lower Upper

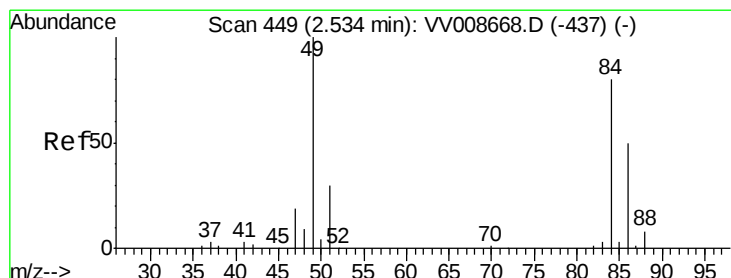
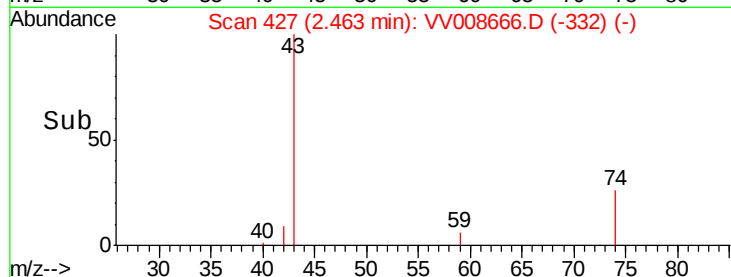
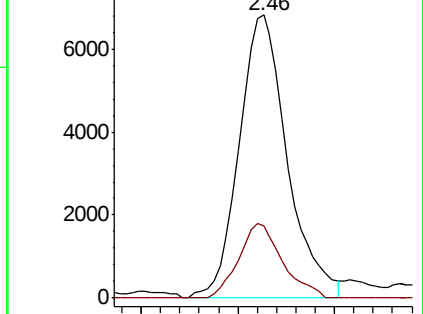
43 100

74 23.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV008666.D (-332) (-)

Ion 74.00 (73.70 to 74.70): VV008666.D (-332) (-)



#16

Methylene chloride

Concen: 5.381 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

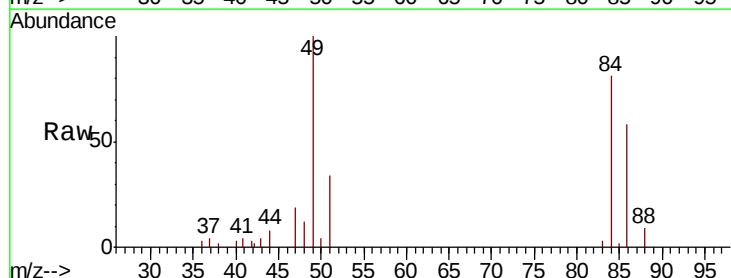
Tgt Ion: 84 Resp: 11028

Ion Ratio Lower Upper

84 100

86 72.3 43.6 81.0

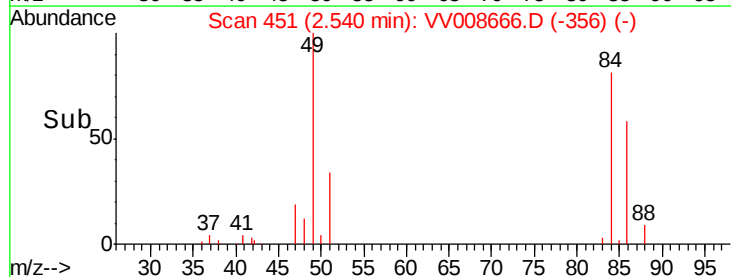
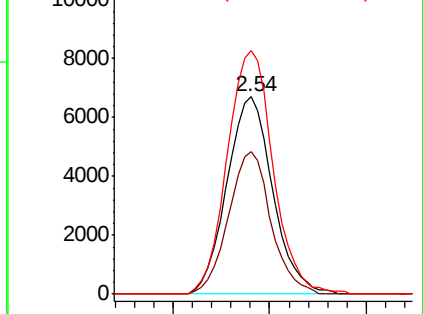
49 123.6 87.1 161.7

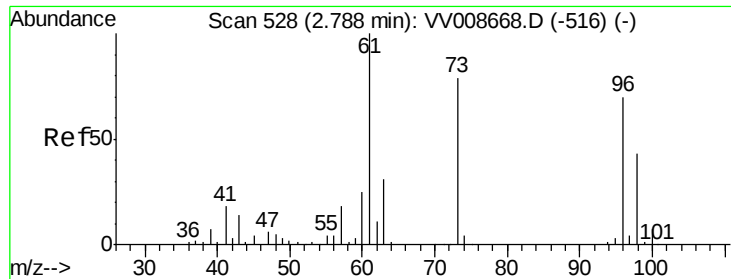


Abundance Ion 84.00 (83.70 to 84.70): VV008666.D (-356) (-)

Ion 86.00 (85.70 to 86.70): VV008666.D (-356) (-)

Ion 49.00 (48.70 to 49.70): VV008666.D (-356) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.187 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.01 min

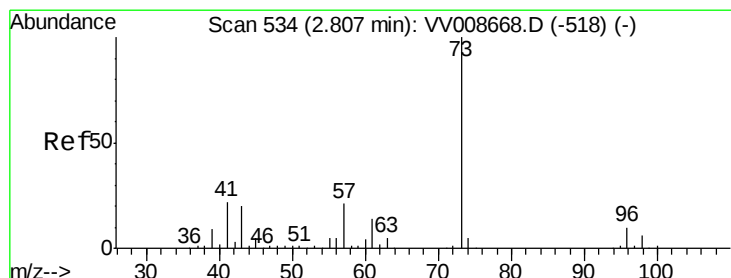
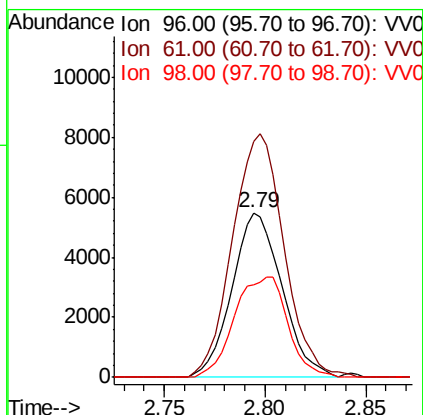
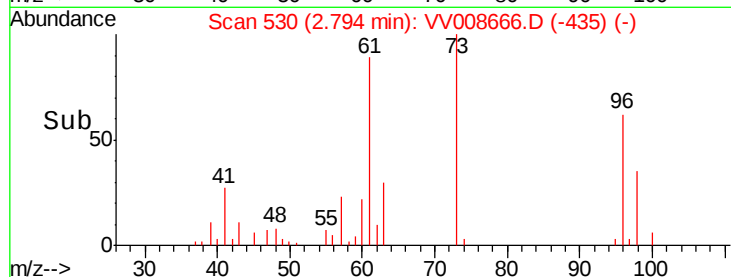
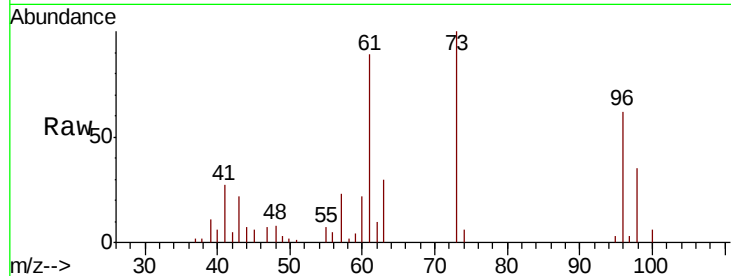
Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Tgt Ion: 96 Resp: 9481

Ion	Ratio	Lower	Upper
96	100		
61	143.4	100.4	186.4
98	56.4	43.0	80.0



#18

Methyl tert-butyl Ether

Concen: 5.023 ug/L

RT: 2.81 min Scan# 534

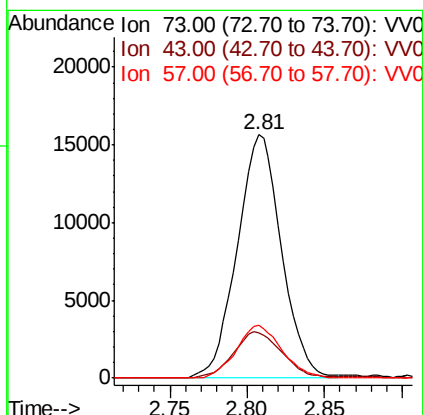
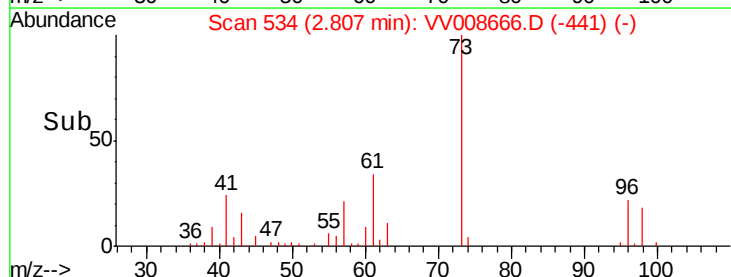
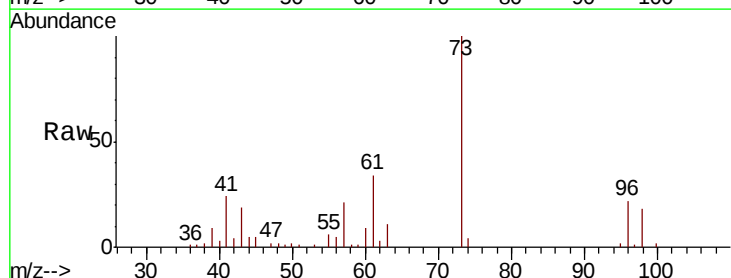
Delta R.T. 0.00 min

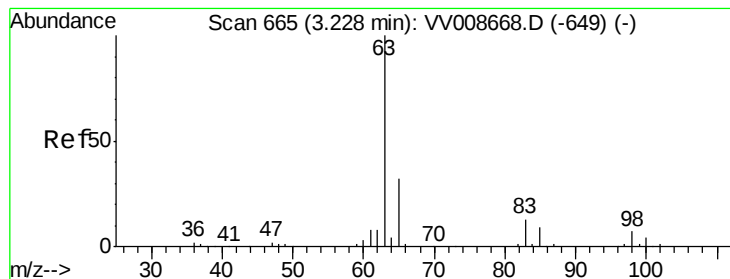
Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Tgt Ion: 73 Resp: 31185

Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.0	24.0
57	22.1	17.5	26.3





#19

1,1-Dichloroethane

Concen: 5.240 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

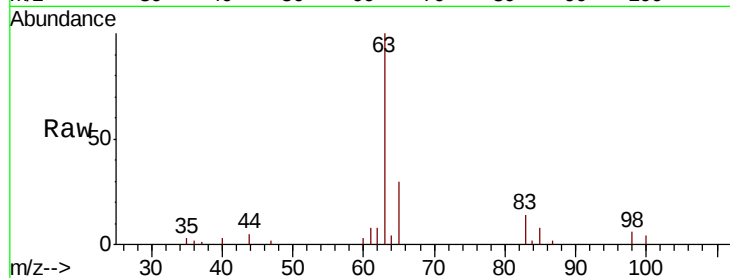
Tgt Ion: 63 Resp: 18249

Ion Ratio Lower Upper

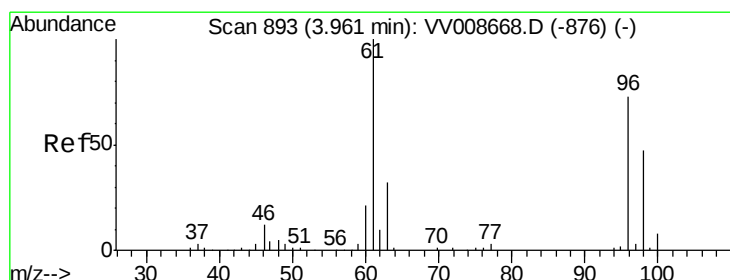
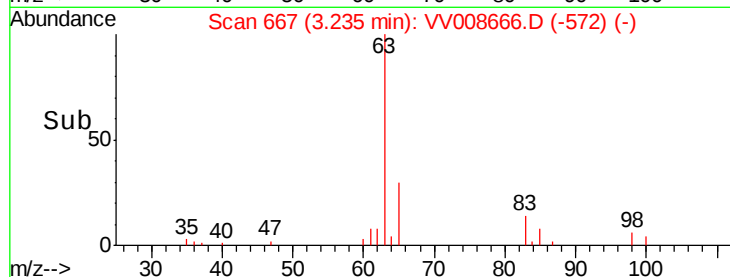
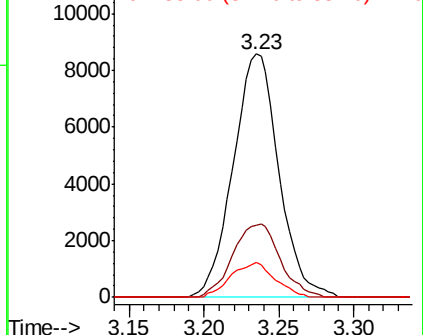
63 100

65 29.9 22.5 41.7

83 14.2 9.3 17.3



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



#20

cis-1,2-Dichloroethene

Concen: 5.379 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

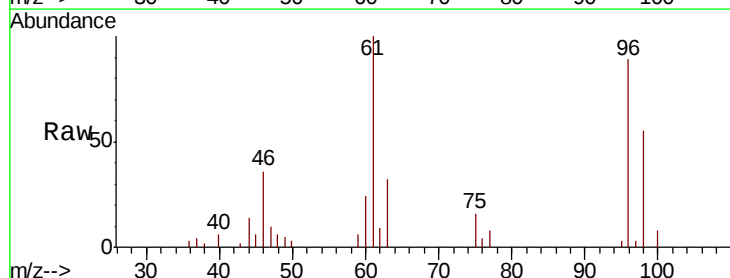
Tgt Ion: 96 Resp: 11087

Ion Ratio Lower Upper

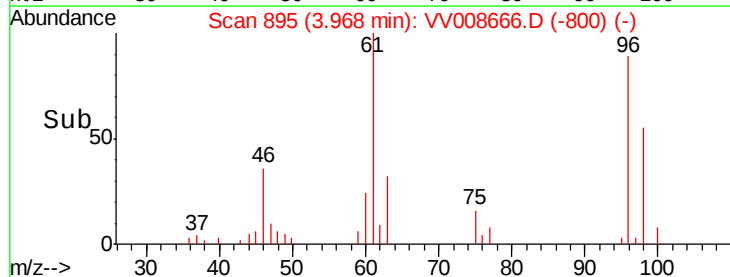
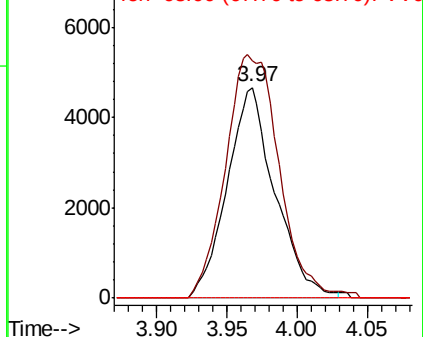
96 100

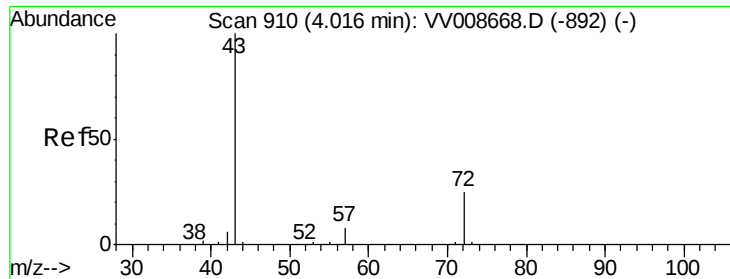
61 112.5 96.5 179.3

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 11.372 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

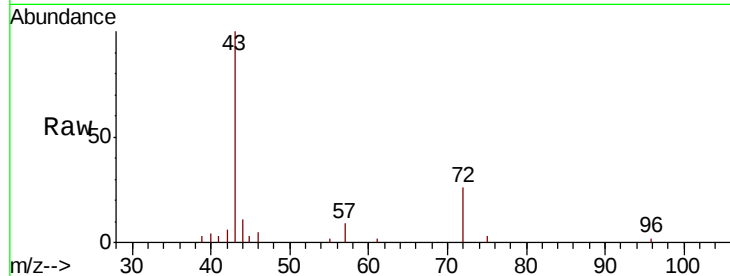
VSTD00569

Tgt Ion: 43 Resp: 19268

Ion Ratio Lower Upper

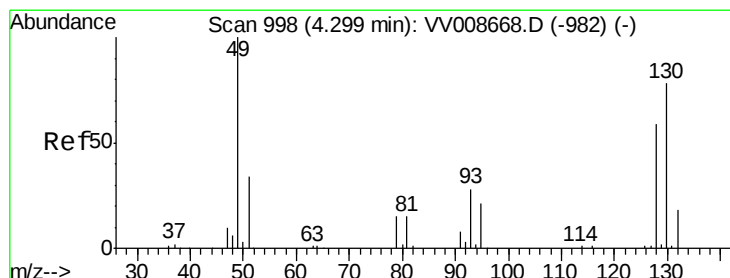
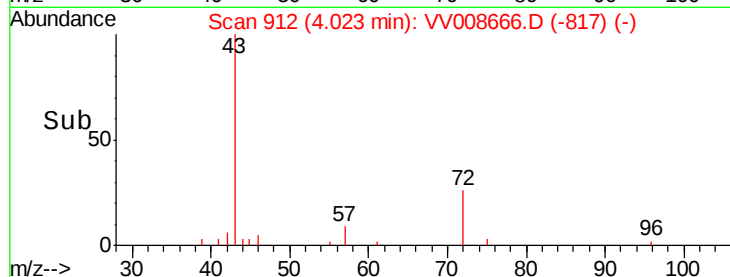
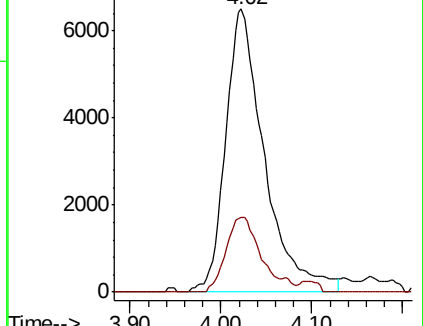
43 100

72 23.2 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV008666.D (-892) (-)

Ion 72.00 (71.70 to 72.70): VV008666.D (-892) (-)



#23

Bromochloromethane

Concen: 5.461 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Tgt Ion: 128 Resp: 5373

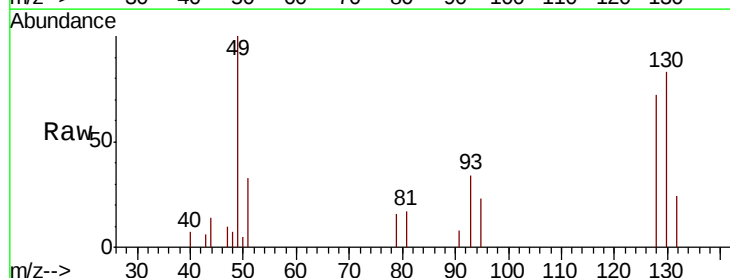
Ion Ratio Lower Upper

128 100

49 138.6 118.1 219.3

130 115.7 91.6 170.2

51 46.0 45.9 68.9

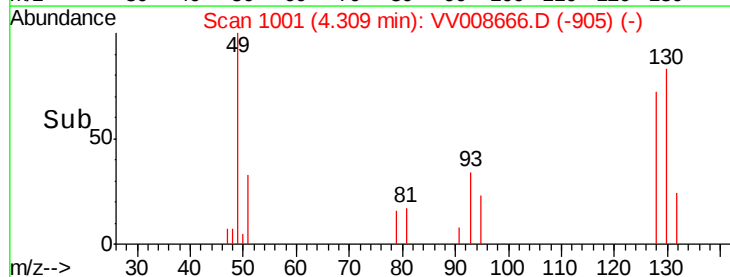
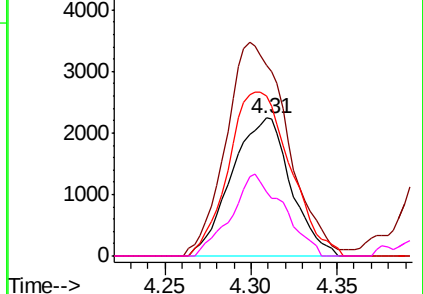


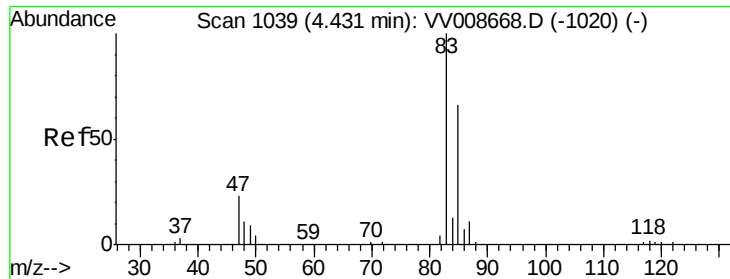
Abundance Ion 128.00 (127.70 to 128.70): VV008666.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV008666.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV008666.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV008666.D (-905) (-)

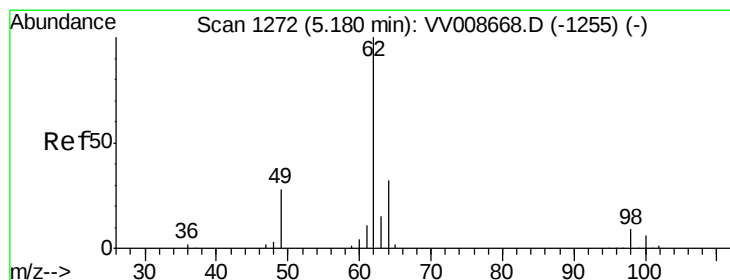
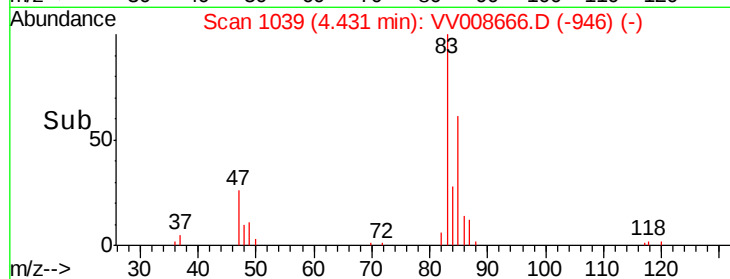
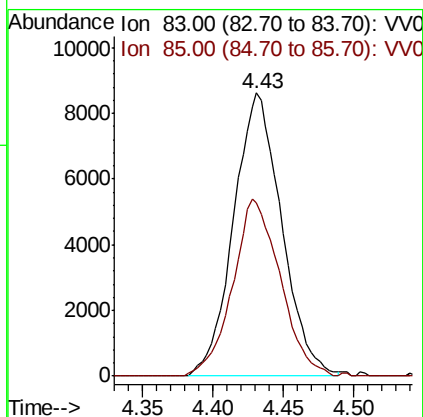
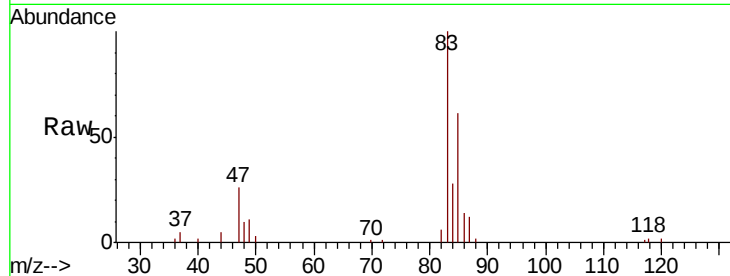




#25
Chloroform
Concen: 5.297 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

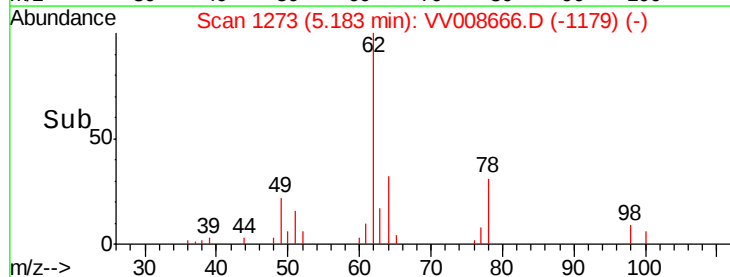
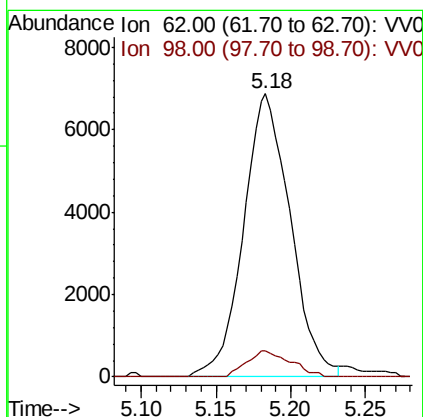
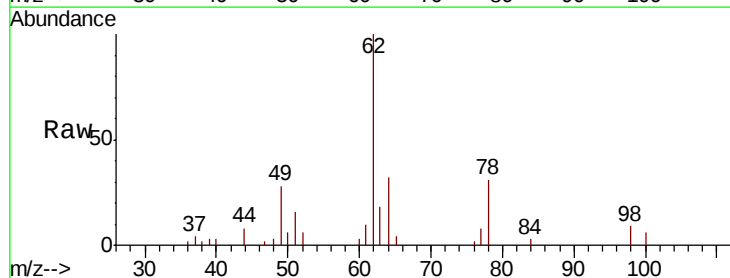
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

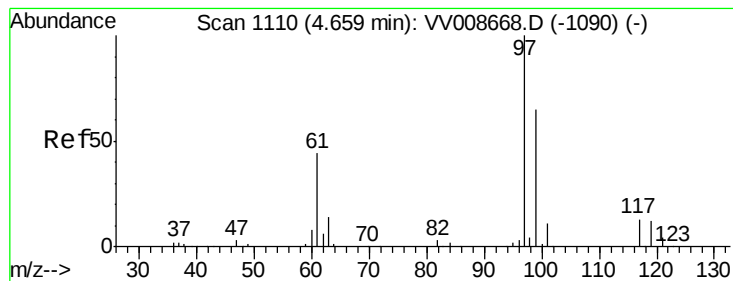
Tgt Ion: 83 Resp: 20553
Ion Ratio Lower Upper
83 100
85 61.1 46.5 86.3



#27
1,2-Dichloroethane
Concen: 5.304 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

Tgt Ion: 62 Resp: 14973
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8





#30

1,1,1-Trichloroethane

Concen: 4.979 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

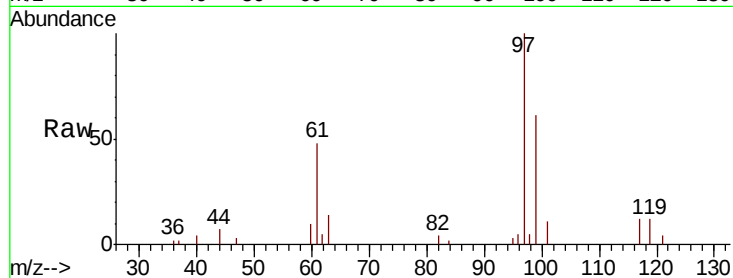
Tgt Ion: 97 Resp: 15494

Ion Ratio Lower Upper

97 100

99 66.3 51.4 77.2

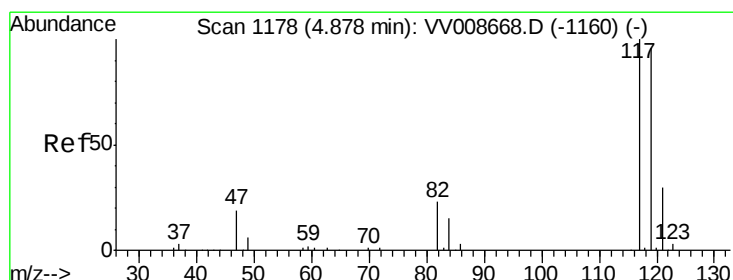
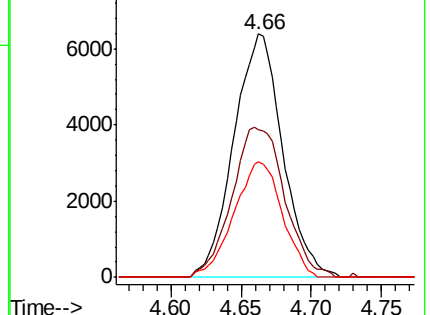
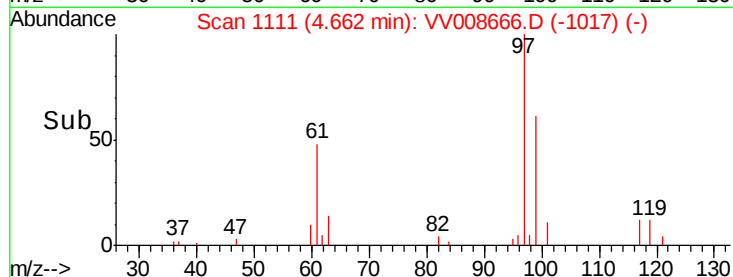
61 46.8 35.2 52.8



Abundance Ion 97.00 (96.70 to 97.70): VV008666.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV008666.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV008666.D (-1090) (-)



#31

Carbon tetrachloride

Concen: 4.759 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008666.D

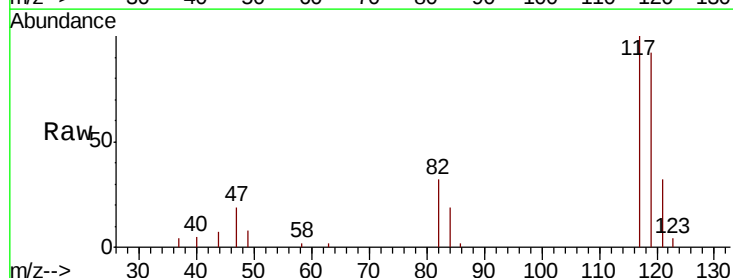
Acq: 20 Nov 2018 11:21

Tgt Ion: 117 Resp: 12760

Ion Ratio Lower Upper

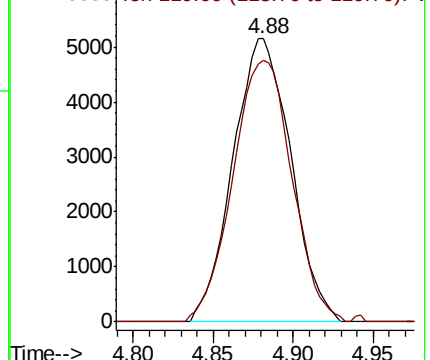
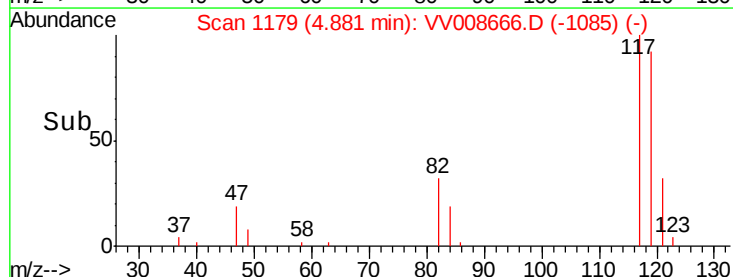
117 100

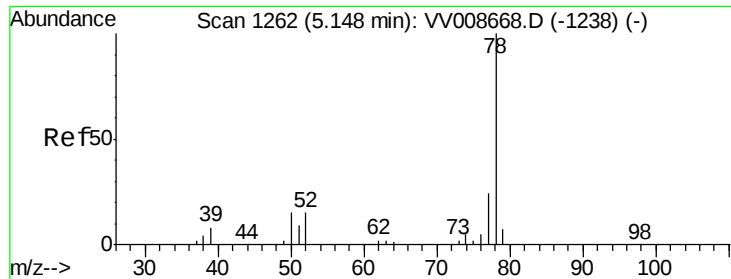
119 94.5 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): VV008666.D (-1085) (-)

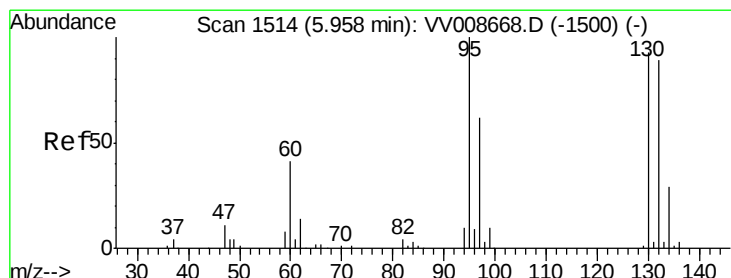
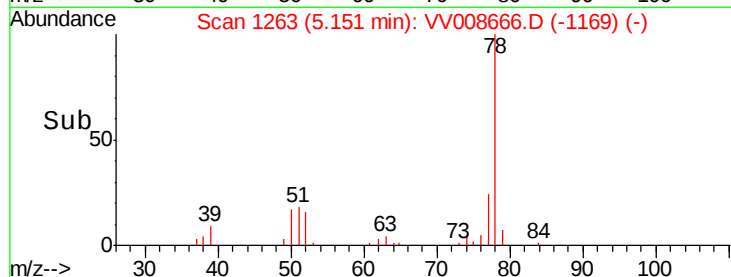
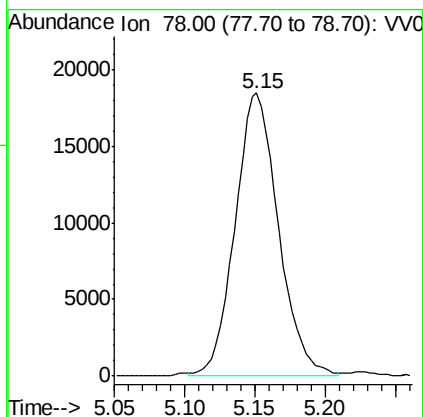
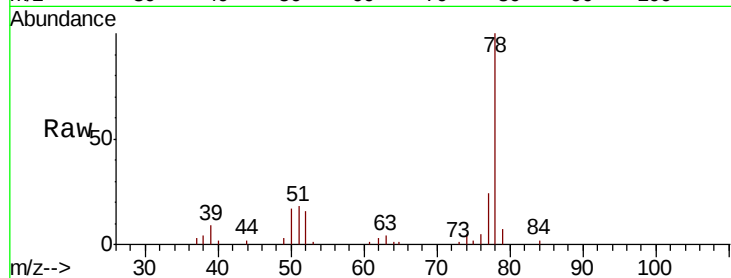
Ion 119.00 (118.70 to 119.70): VV008666.D (-1085) (-)





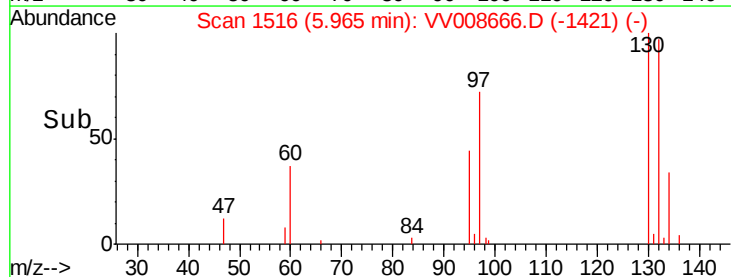
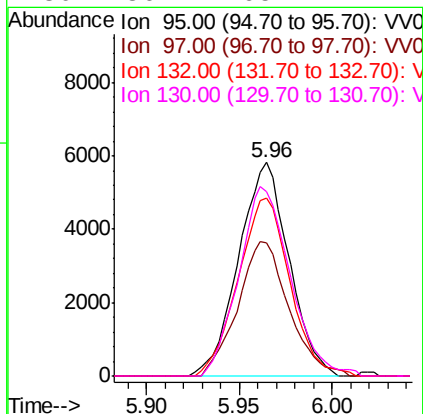
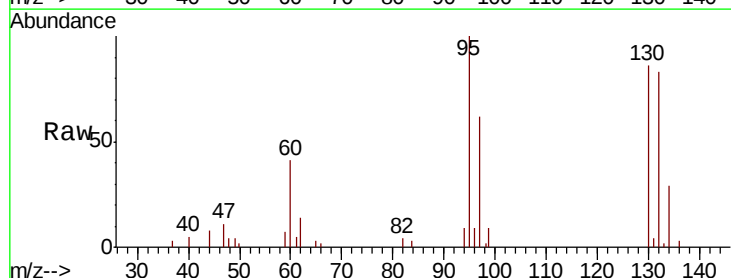
#33
Benzene
Concen: 5.049 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21
Tgt Ion: 78 Resp: 39707

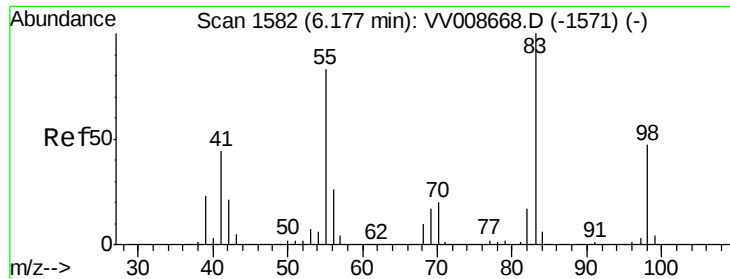
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569



#34
Trichloroethene
Concen: 5.280 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.01 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

Tgt Ion: 95 Resp: 10960
Ion Ratio Lower Upper
95 100
97 62.5 43.2 80.2
132 83.3 62.0 115.2
130 86.2 65.4 121.4

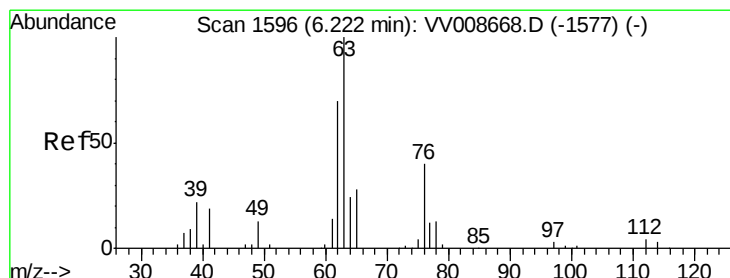
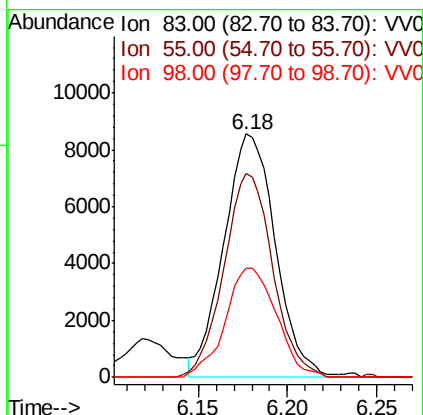
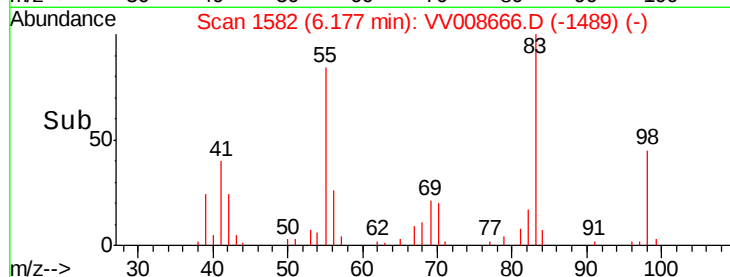
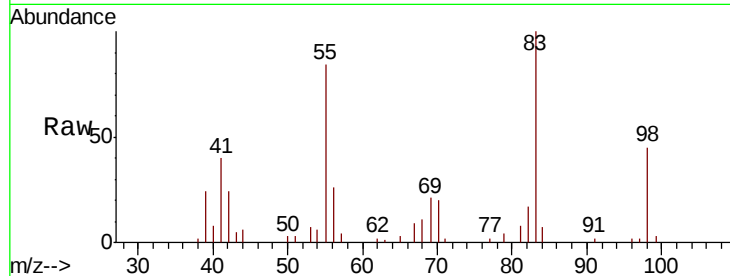




#35
Methylcyclohexane
Concen: 4.918 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

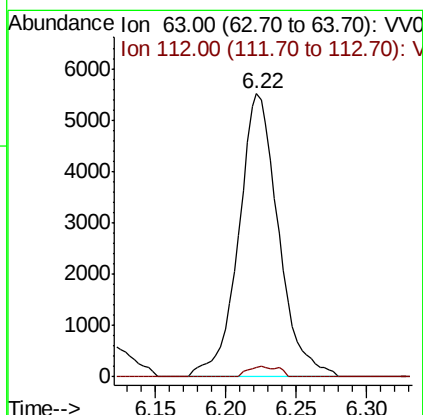
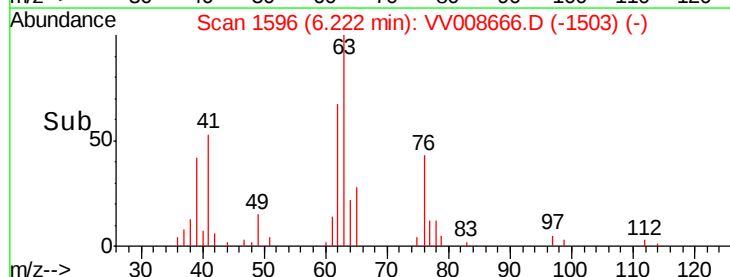
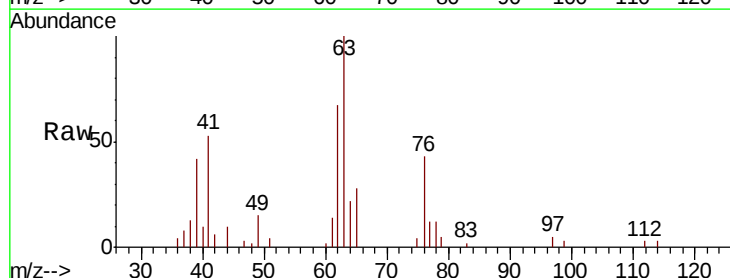
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

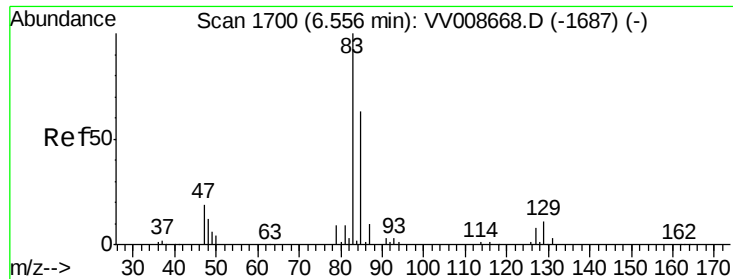
Tgt Ion: 83 Resp: 17325
Ion Ratio Lower Upper
83 100
55 78.8 63.8 95.6
98 44.2 36.1 54.1



#37
1,2-Dichloropropane
Concen: 5.099 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

Tgt Ion: 63 Resp: 10880
Ion Ratio Lower Upper
63 100
112 2.0 3.0 4.4#

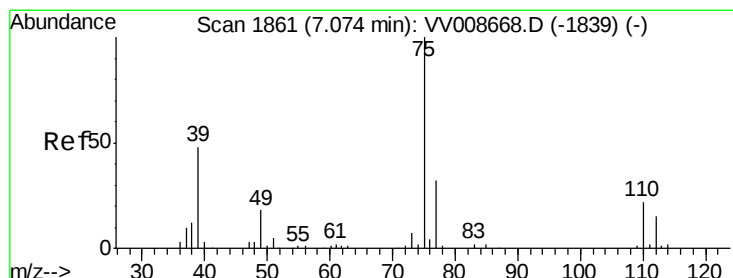
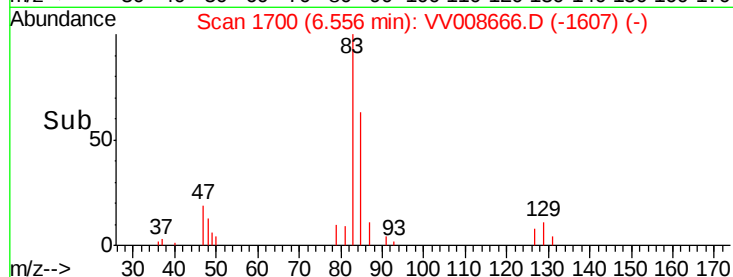
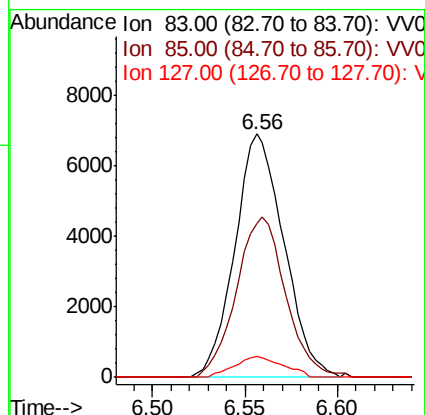
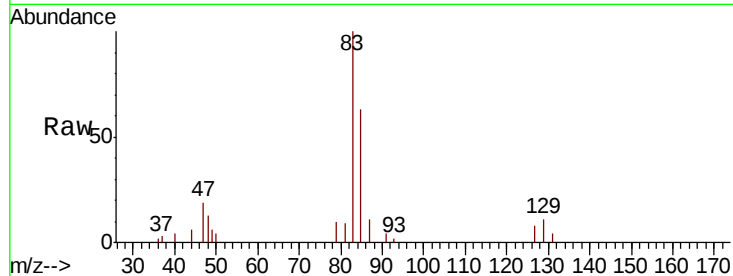




#38
 Bromodichloromethane
 Concen: 4.767 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

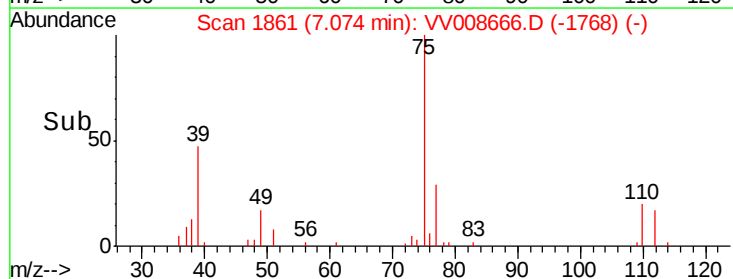
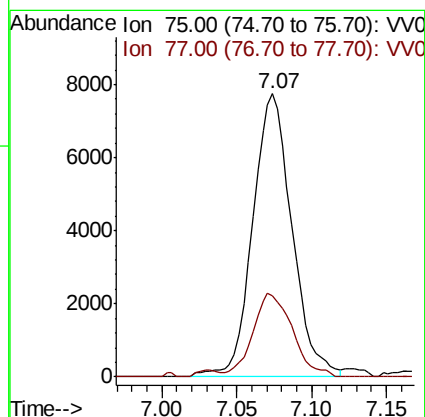
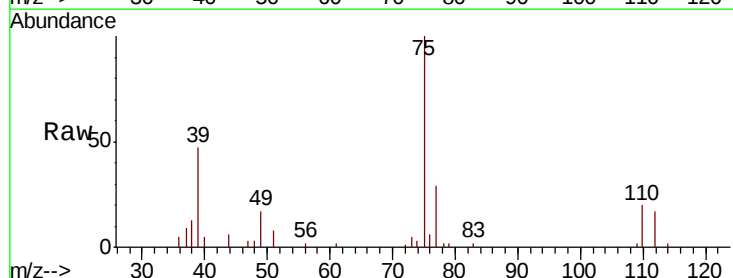
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

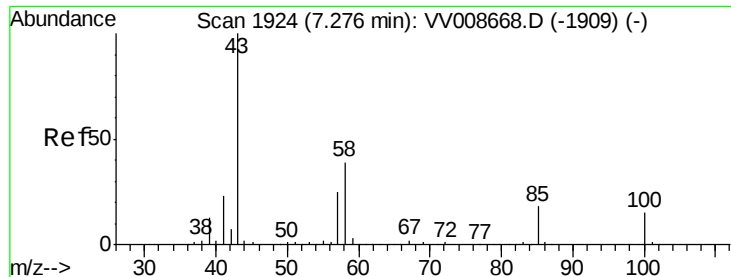
Tgt Ion: 83 Resp: 12679
 Ion Ratio Lower Upper
 83 100
 85 63.3 43.8 81.3
 127 8.5 6.8 10.2



#39
 cis-1,3-Dichloropropene
 Concen: 4.377 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

Tgt Ion: 75 Resp: 14160
 Ion Ratio Lower Upper
 75 100
 77 28.8 22.3 41.3

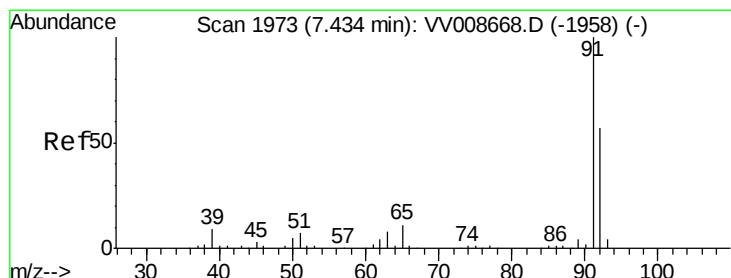
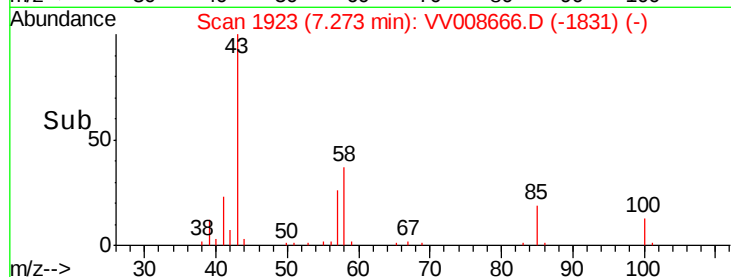
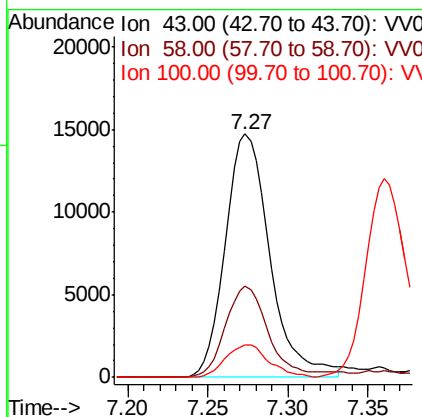
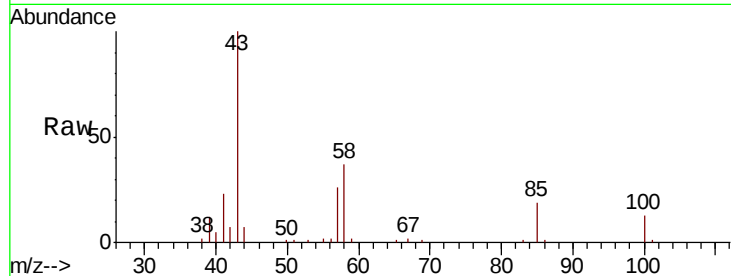




#40
4-Methyl-2-pentanone
Concen: 9.725 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

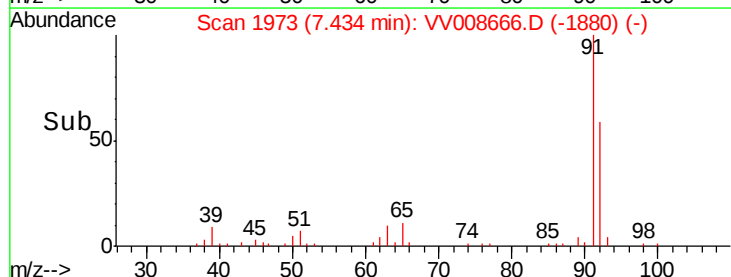
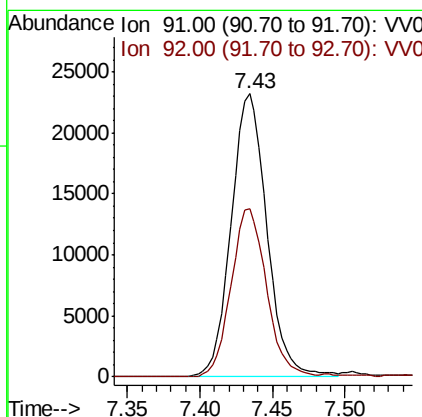
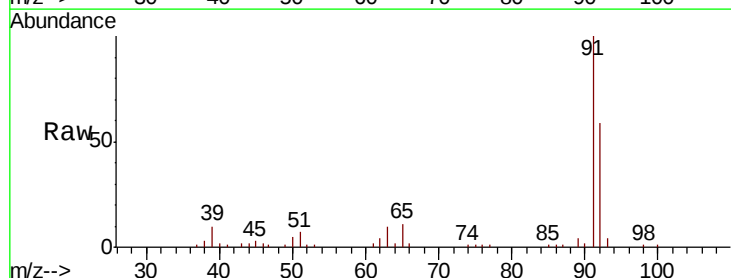
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

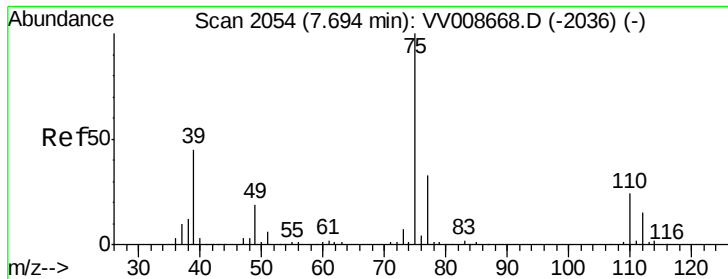
Tgt Ion: 43 Resp: 28103
Ion Ratio Lower Upper
43 100
58 35.4 31.1 46.7
100 13.0 11.6 17.4



#42
Toluene
Concen: 4.858 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

Tgt Ion: 91 Resp: 39820
Ion Ratio Lower Upper
91 100
92 59.4 40.1 74.5





#44

trans-1,3-Dichloropropene

Concen: 4.107 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

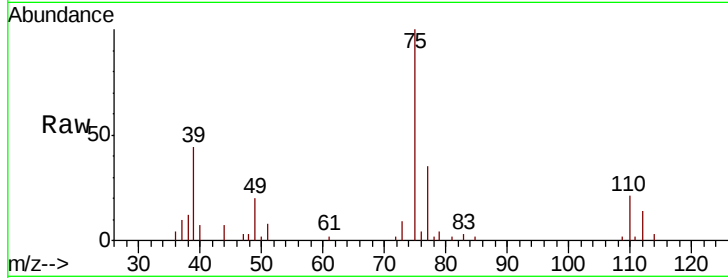
VSTD00569

Tgt Ion: 75 Resp: 12082

Ion Ratio Lower Upper

75 100

77 35.2 23.0 42.6

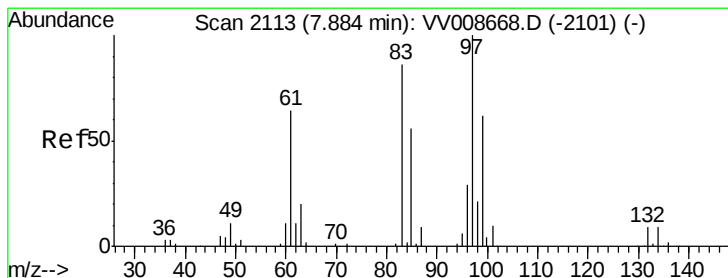
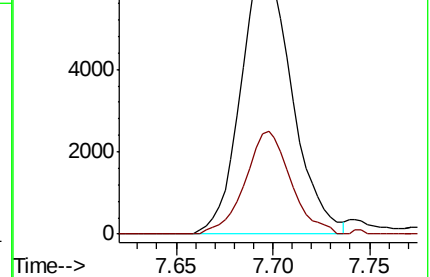
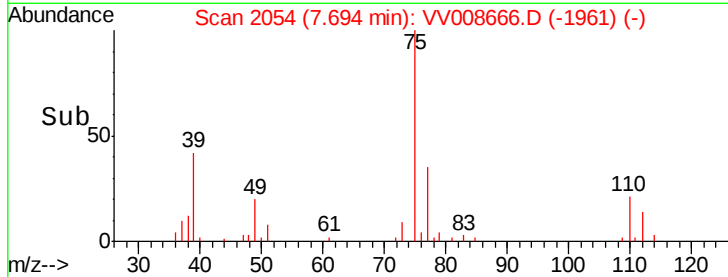


Abundance Ion 75.00 (74.70 to 75.70): VV008668.D (-2036) (-)

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

7.69

Time-->



#45

1,1,2-Trichloroethane

Concen: 5.114 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Tgt Ion: 97 Resp: 9785

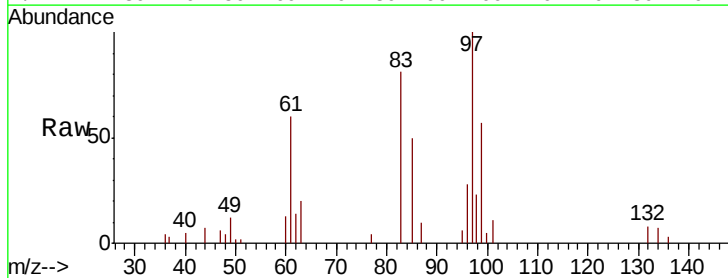
Ion Ratio Lower Upper

97 100

99 57.1 43.7 81.1

83 80.8 59.9 111.3

85 50.2 39.4 73.2



Abundance Ion 97.00 (96.70 to 97.70): VV008668.D (-2101) (-)

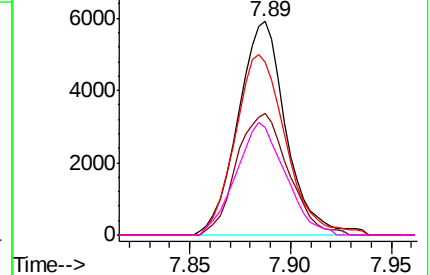
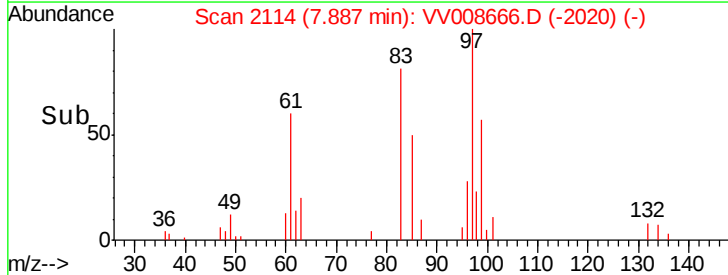
Ion 99.00 (98.70 to 99.70): VV008668.D (-2101) (-)

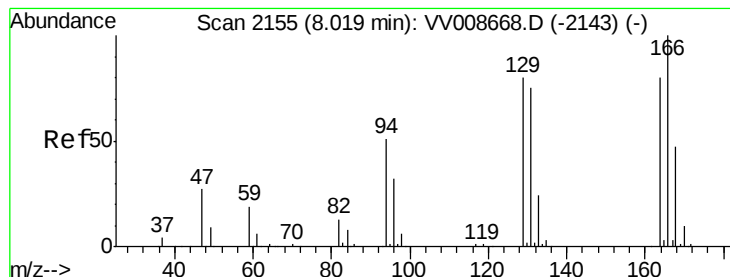
Ion 83.00 (82.70 to 83.70): VV008668.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV008668.D (-2101) (-)

7.89

Time-->





#46

Tetrachloroethene

Concen: 5.046 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

Tgt Ion:164 Resp: 7498

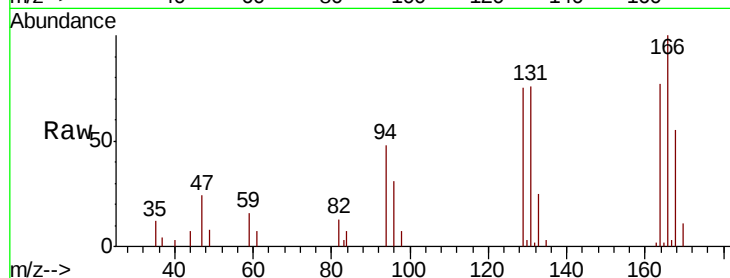
Ion Ratio Lower Upper

164 100

129 97.5 70.1 130.1

131 98.7 65.9 122.3

166 129.6 87.7 162.9

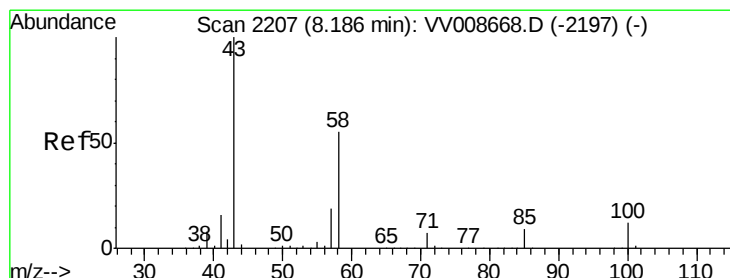
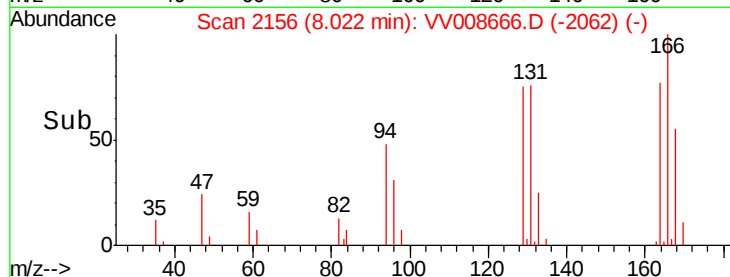
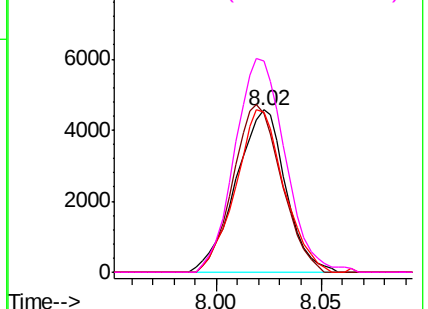


Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.931 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Tgt Ion: 43 Resp: 19977

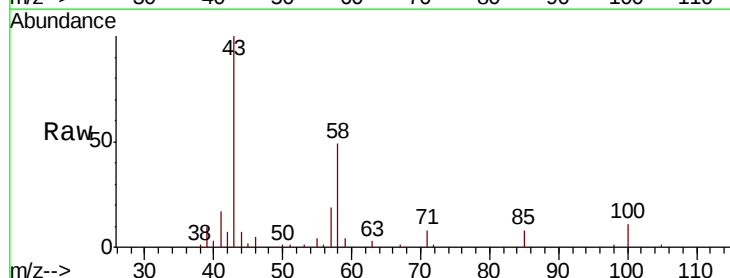
Ion Ratio Lower Upper

43 100

58 51.7 43.3 64.9

57 21.4 15.0 22.4

100 11.5 9.1 13.7

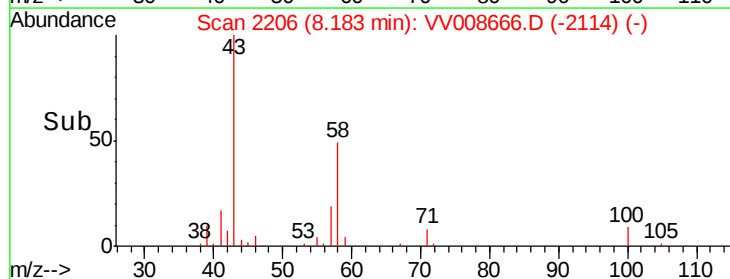
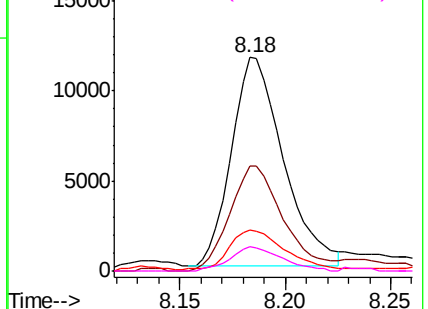


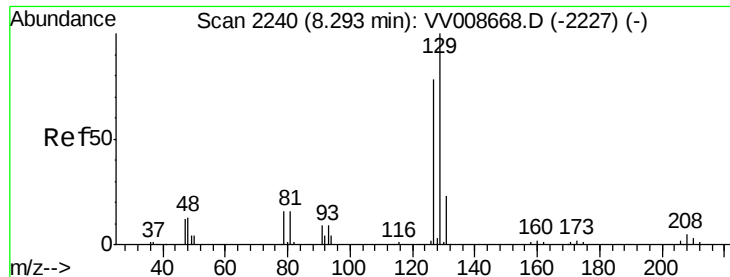
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 4.500 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

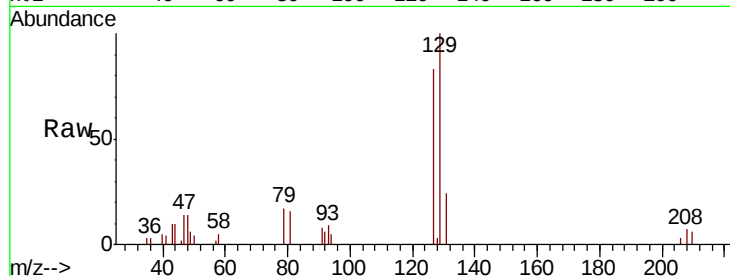
VSTD00569

Tgt Ion:129 Resp: 9003

Ion Ratio Lower Upper

129 100

127 83.1 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

6000

5000

4000

3000

2000

1000

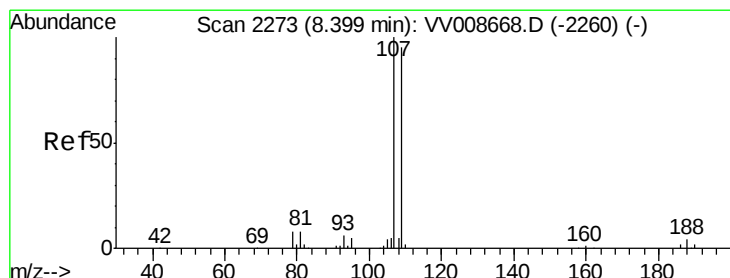
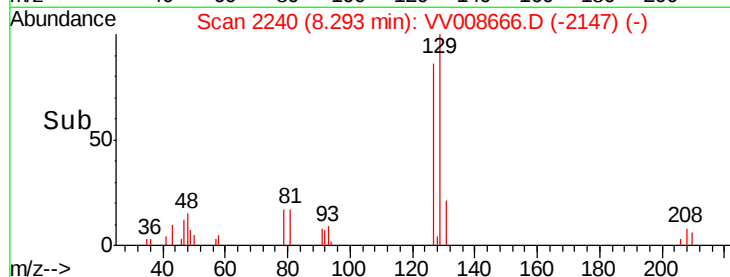
0

8.25

8.30

8.35

Time-->



#50

1,2-Dibromoethane

Concen: 5.028 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

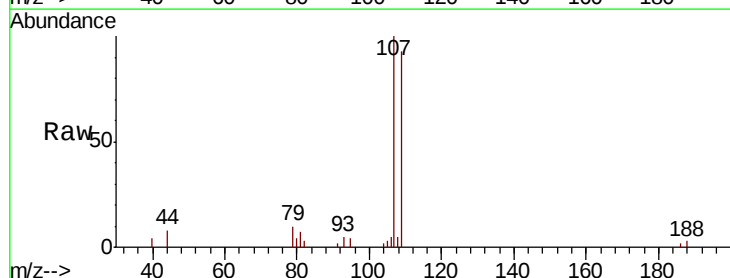
Tgt Ion:107 Resp: 9995

Ion Ratio Lower Upper

107 100

109 92.5 66.2 123.0

188 2.8 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

8000

6000

4000

2000

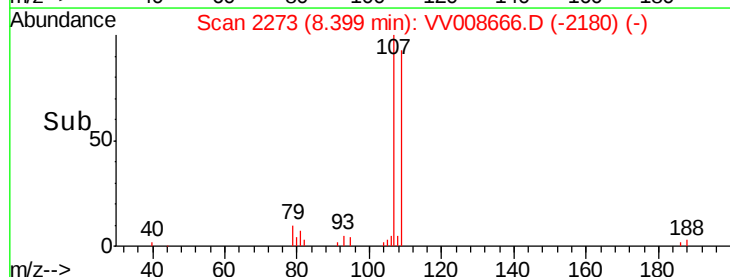
0

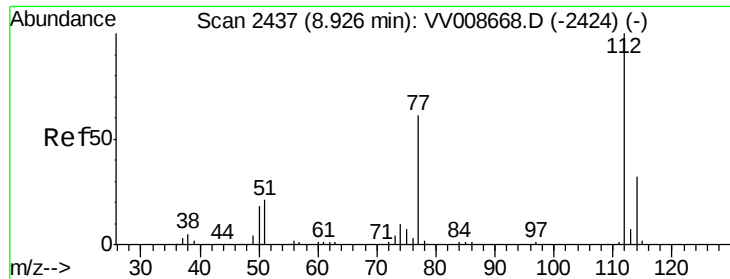
8.35

8.40

8.45

Time-->

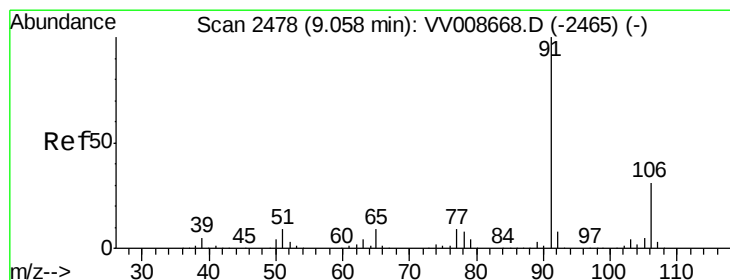
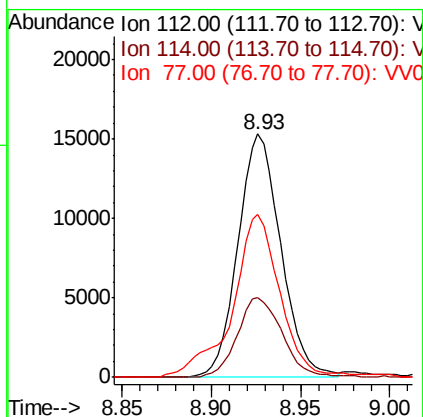
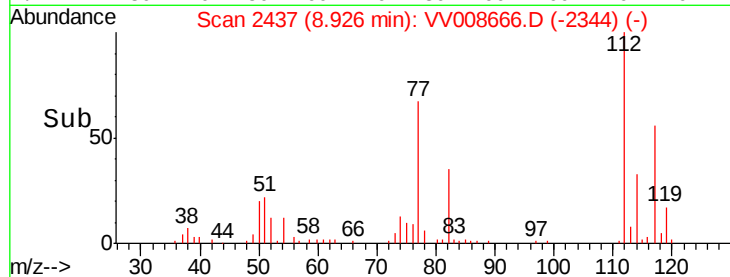
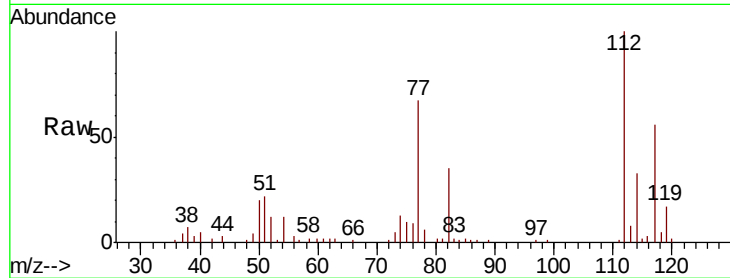




#51
Chlorobenzene
Concen: 5.021 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

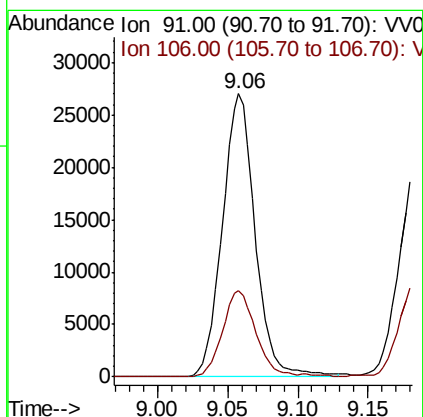
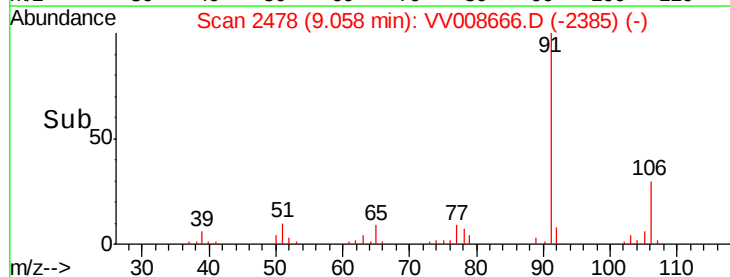
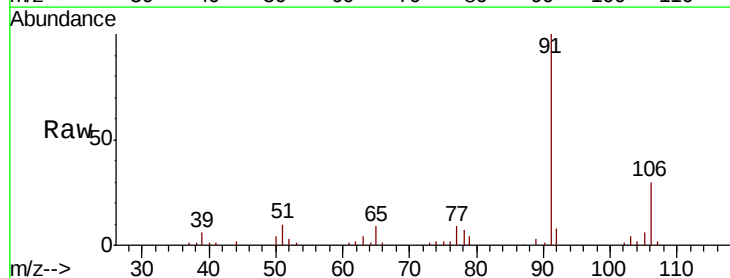
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

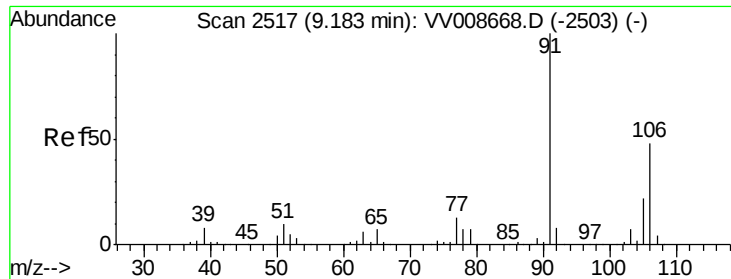
Tgt Ion: 112 Resp: 25827
Ion Ratio Lower Upper
112 100
114 32.7 22.3 41.3
77 67.2 49.3 73.9



#52
Ethylbenzene
Concen: 4.849 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008666.D
Acq: 20 Nov 2018 11:21

Tgt Ion: 91 Resp: 43768
Ion Ratio Lower Upper
91 100
106 30.3 21.5 39.9





#53

m,p-Xylene

Concen: 4.669 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

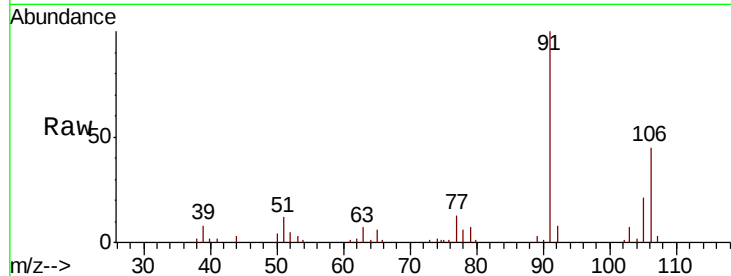
VSTD00569

Tgt Ion:106 Resp: 15444

Ion Ratio Lower Upper

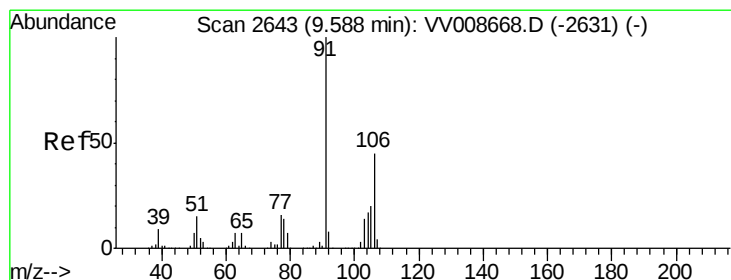
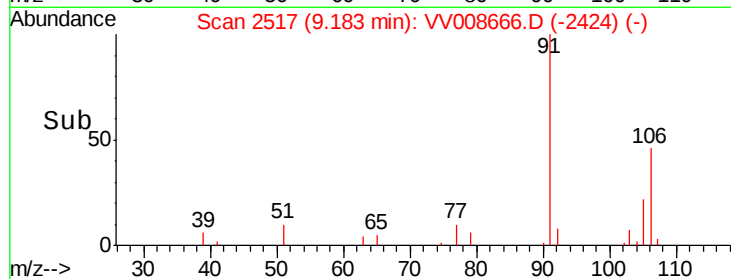
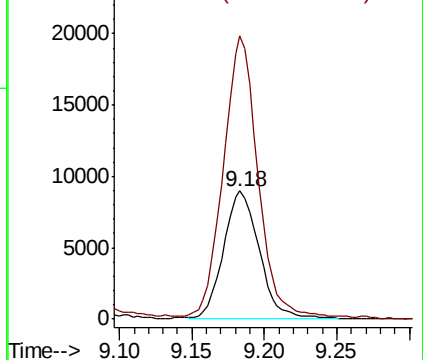
106 100

91 221.0 145.3 269.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 4.878 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008666.D

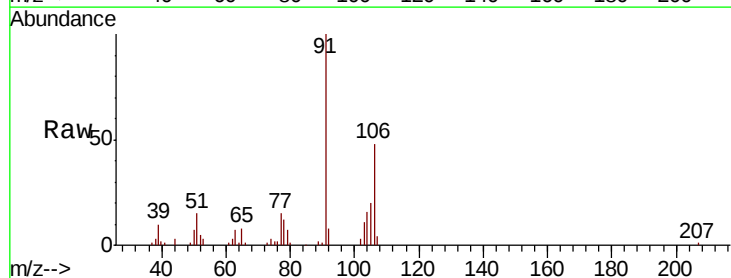
Acq: 20 Nov 2018 11:21

Tgt Ion:106 Resp: 15995

Ion Ratio Lower Upper

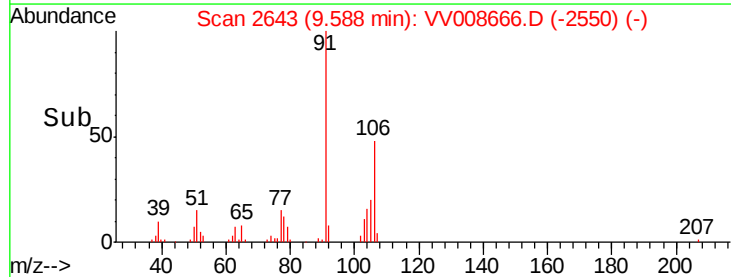
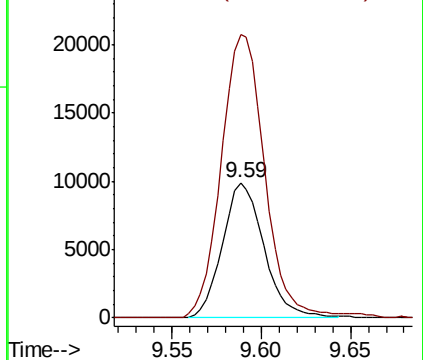
106 100

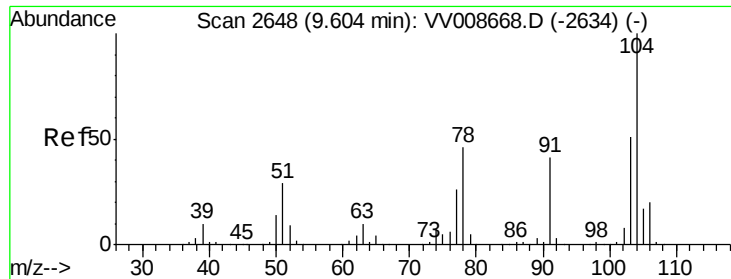
91 209.6 157.2 292.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Styrene

Concen: 4.612 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

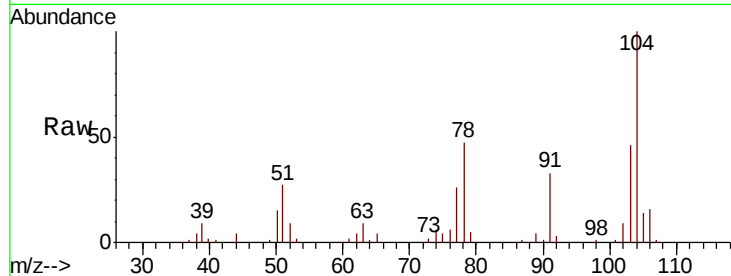
VSTD00569

Tgt Ion:104 Resp: 24908

Ion Ratio Lower Upper

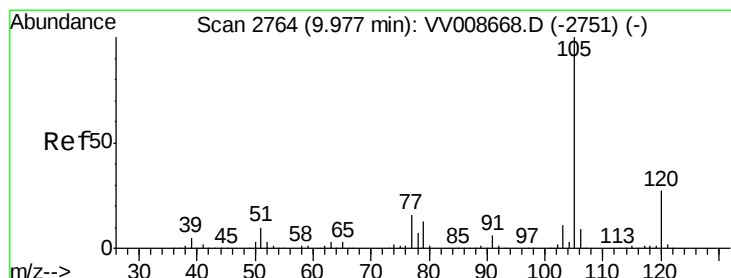
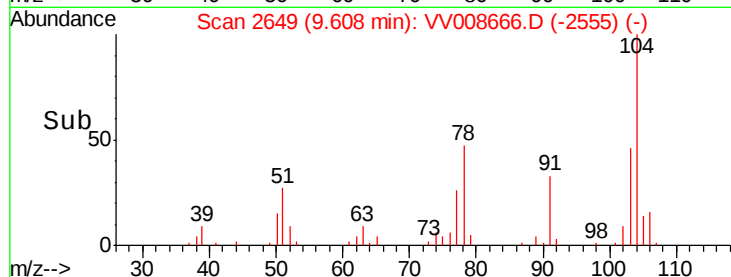
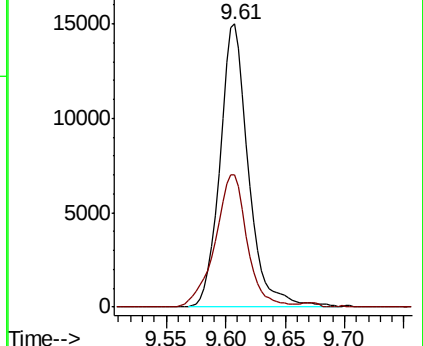
104 100

78 46.7 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 4.748 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

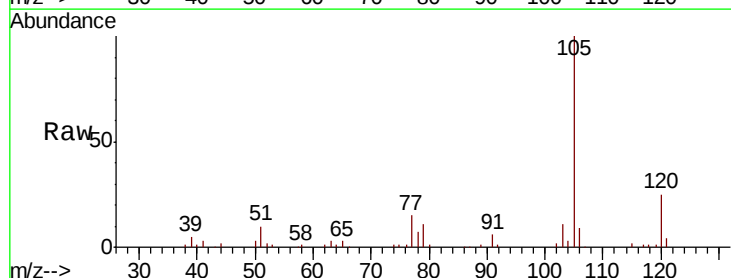
Tgt Ion:105 Resp: 40984

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

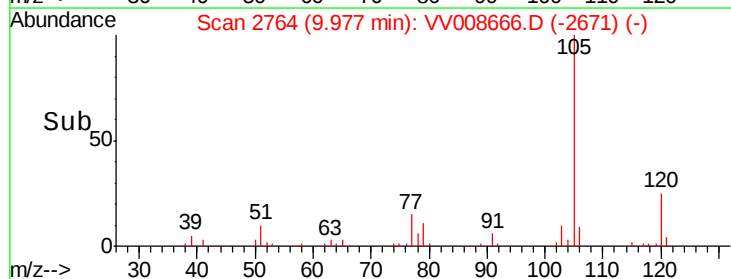
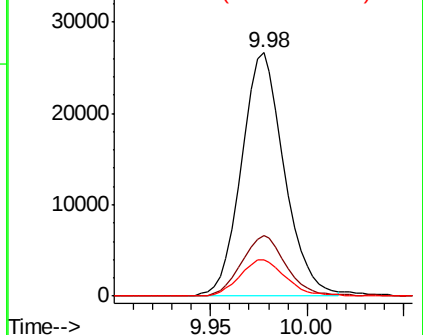
77 16.0 12.9 19.3

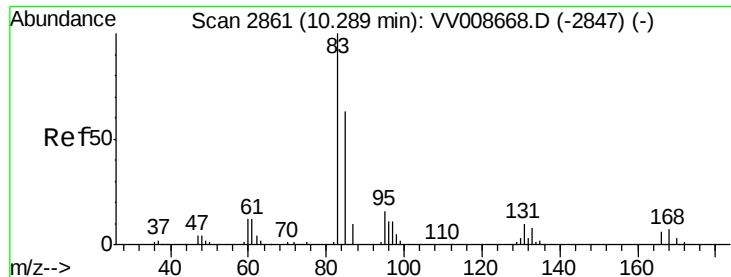


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

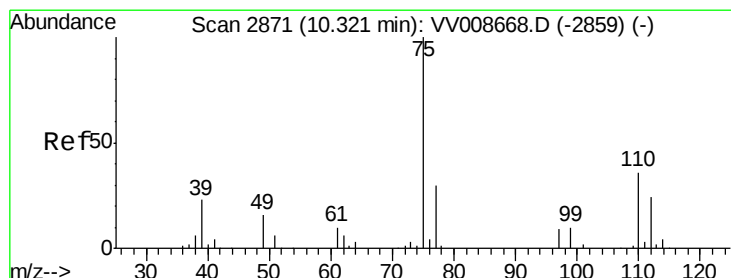
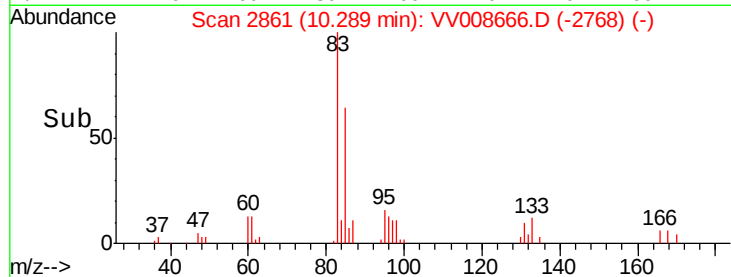
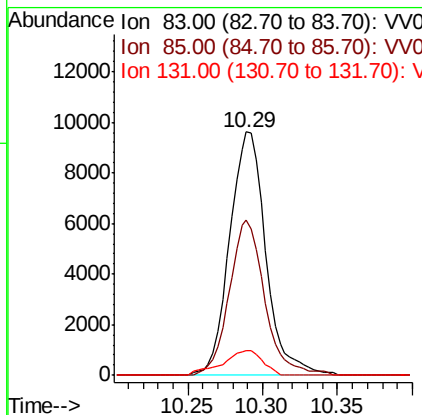
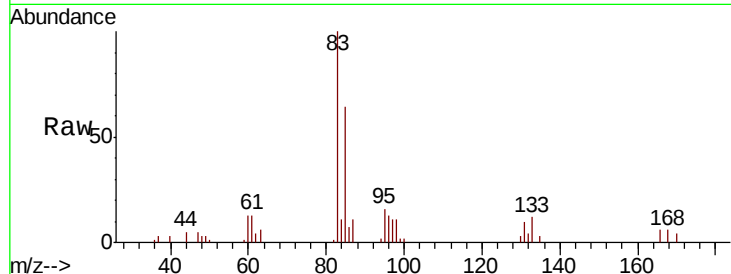




#58
 1,1,2,2-Tetrachloroethane
 Concen: 5.186 ug/L
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

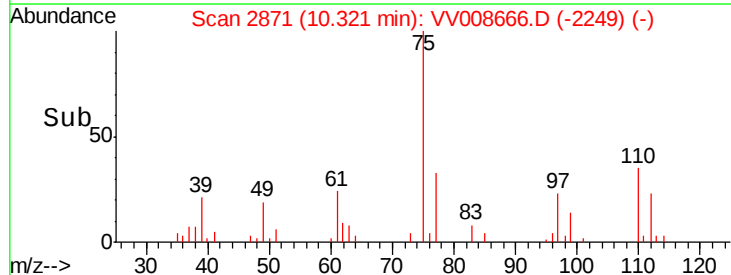
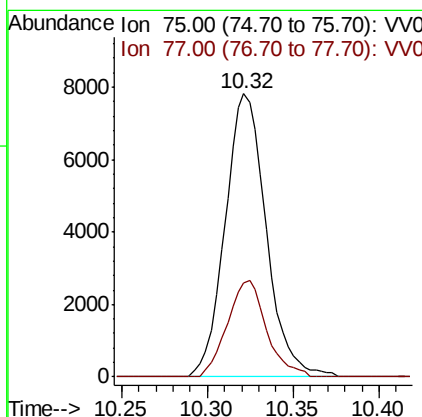
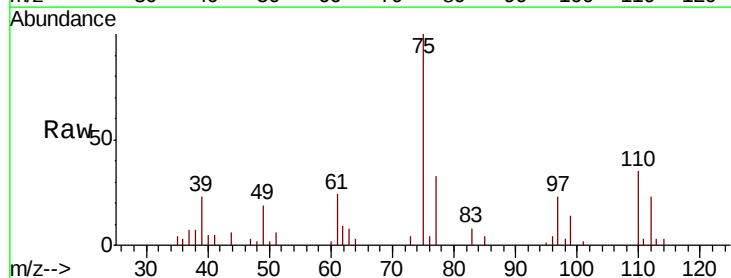
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

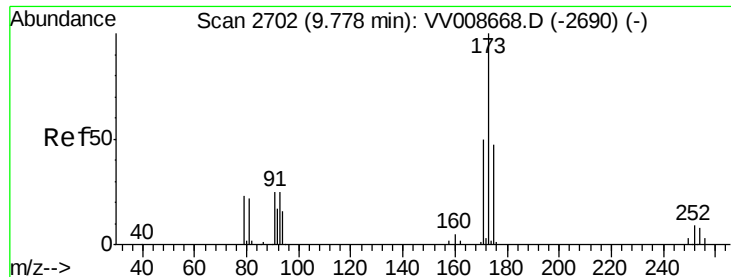
Tgt Ion: 83 Resp: 16227
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.3 82.3
 131 10.1 8.2 12.2



#59
 1,2,3-Trichloropropane
 Concen: 5.054 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

Tgt Ion: 75 Resp: 13035
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.0 37.6





#61

Bromoform

Concen: 4.644 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

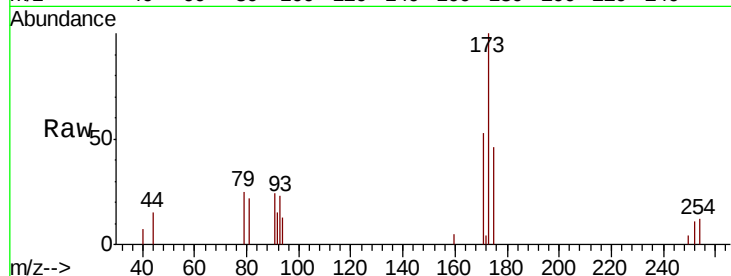
Tgt Ion:173 Resp: 5649

Ion Ratio Lower Upper

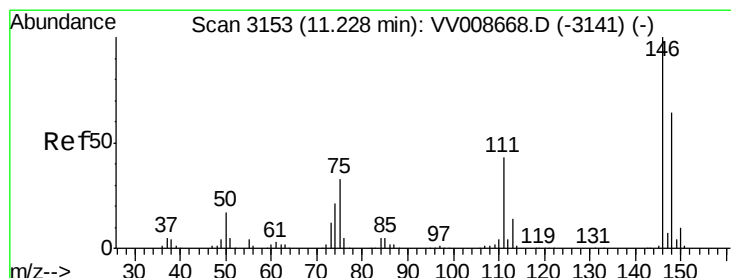
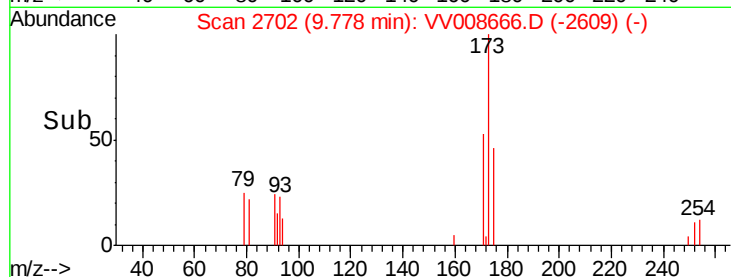
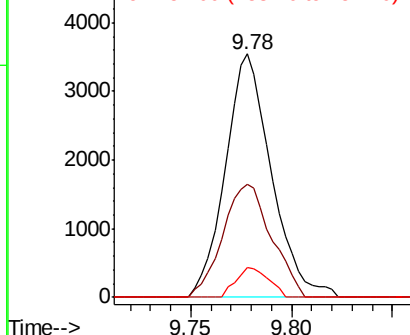
173 100

175 48.9 37.5 56.3

254 8.7 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 5.138 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008666.D

Acq: 20 Nov 2018 11:21

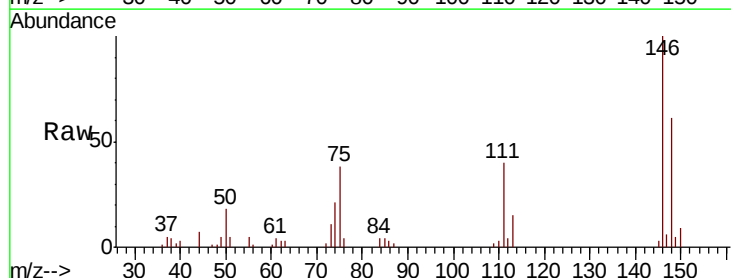
Tgt Ion:146 Resp: 17528

Ion Ratio Lower Upper

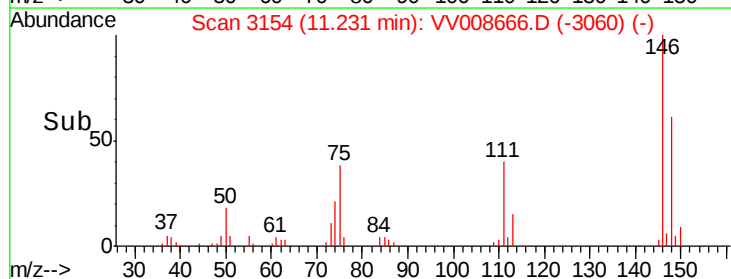
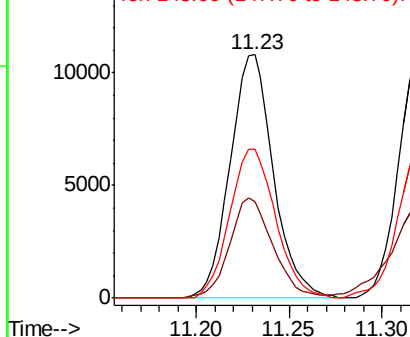
146 100

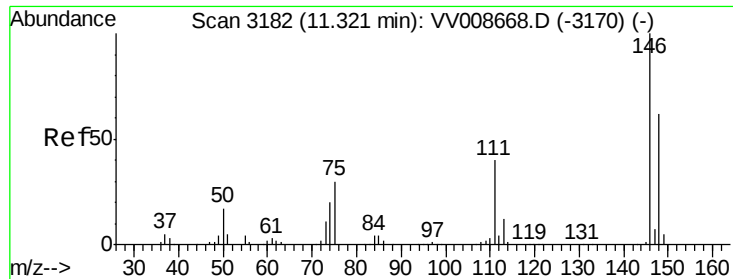
111 39.8 30.0 55.8

148 61.0 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

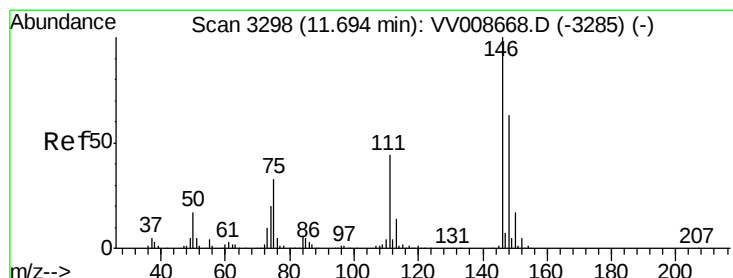
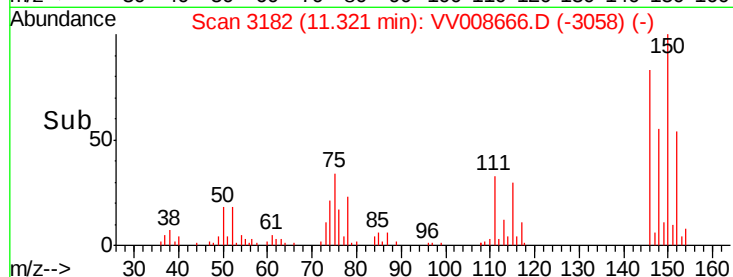
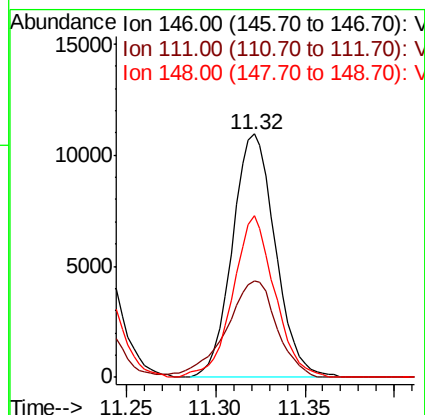
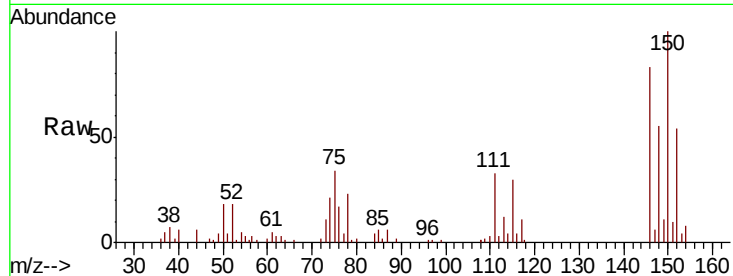




#63
 1,4-Dichlorobenzene
 Concen: 5.352 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

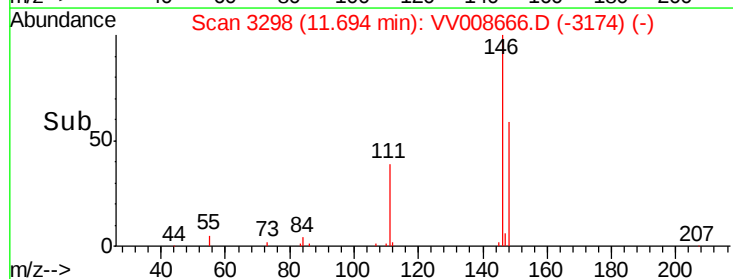
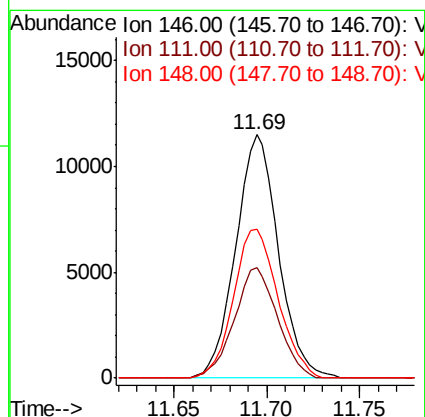
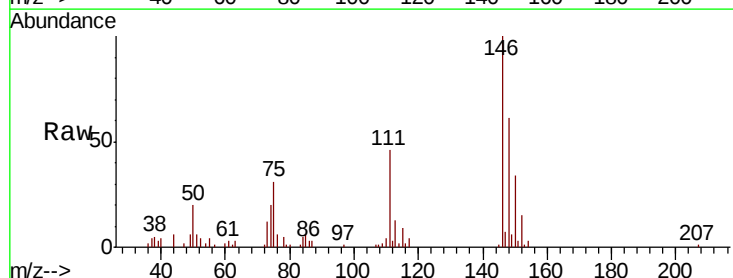
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

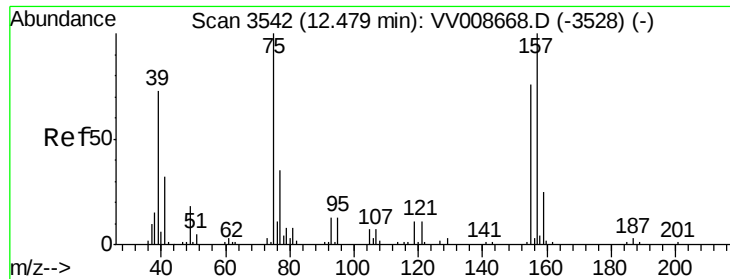
Tgt Ion:146 Resp: 18329
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.1 52.3
 148 66.3 43.6 81.0



#65
 1,2-Dichlorobenzene
 Concen: 5.265 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

Tgt Ion:146 Resp: 18366
 Ion Ratio Lower Upper
 146 100
 111 45.6 35.3 52.9
 148 60.9 50.8 76.2

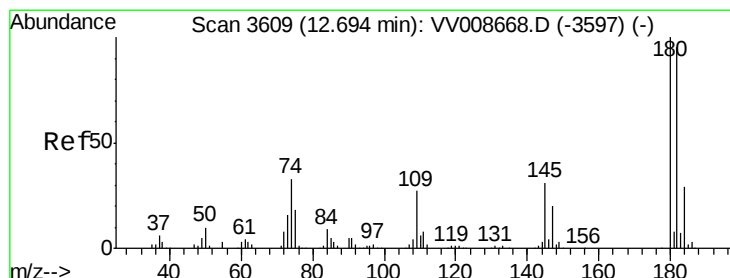
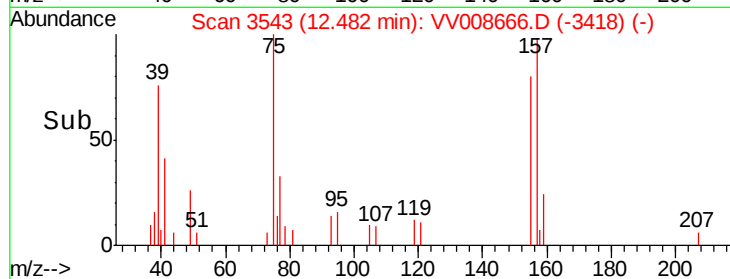
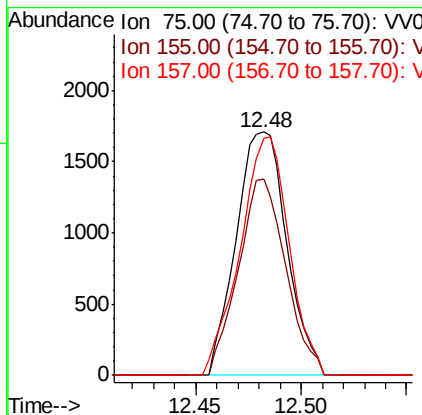
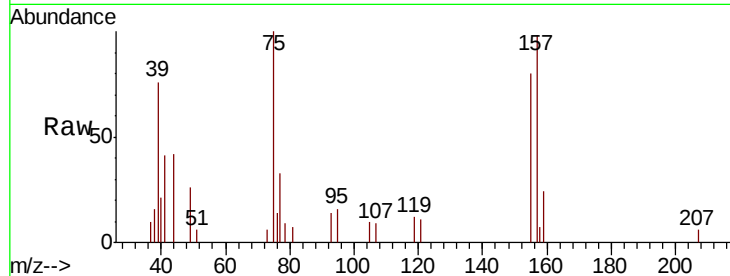




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.697 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

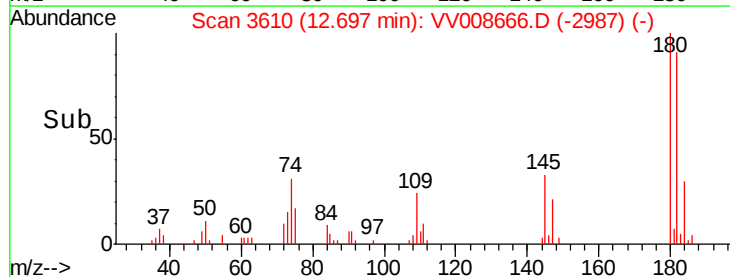
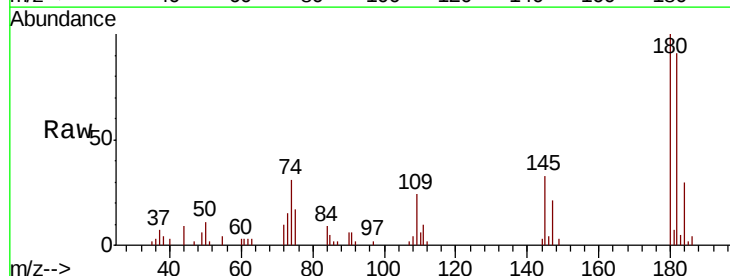
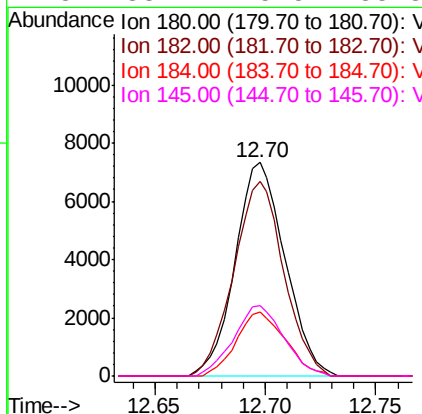
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

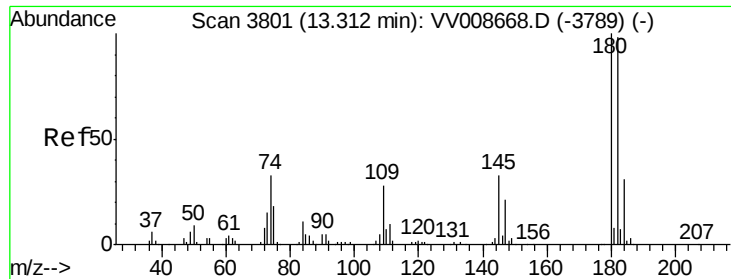
Tgt Ion: 75 Resp: 2854
 Ion Ratio Lower Upper
 75 100
 155 80.5 61.0 91.6
 157 104.6 79.9 119.9



#67
 1,3,5-Trichlorobenzene
 Concen: 4.899 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

Tgt Ion: 180 Resp: 11487
 Ion Ratio Lower Upper
 180 100
 182 91.5 76.2 114.4
 184 29.5 23.8 35.8
 145 33.2 25.5 38.3

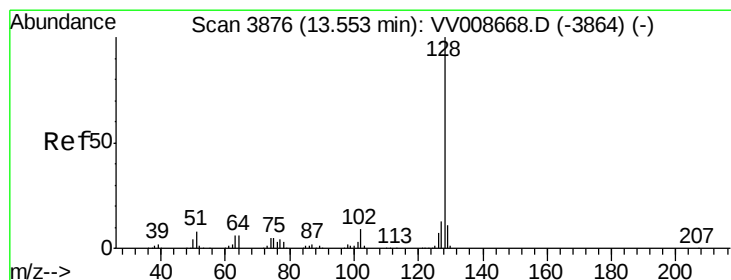
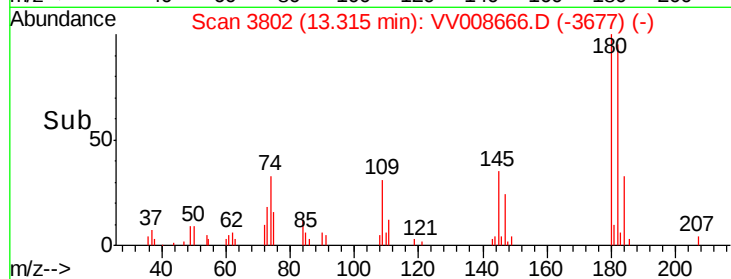
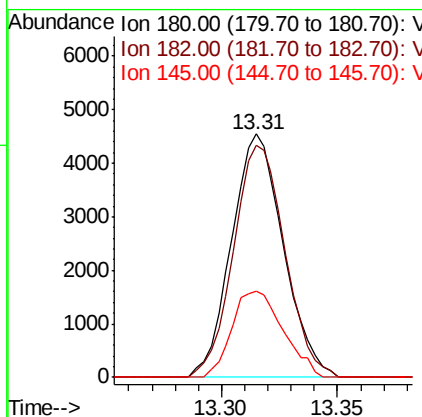
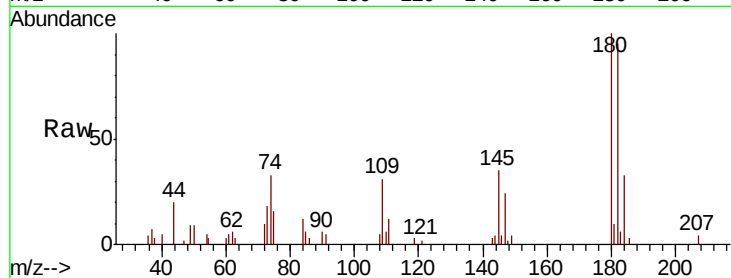




#68
 1,2,4-trichlorobenzene
 Concen: 3.851 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

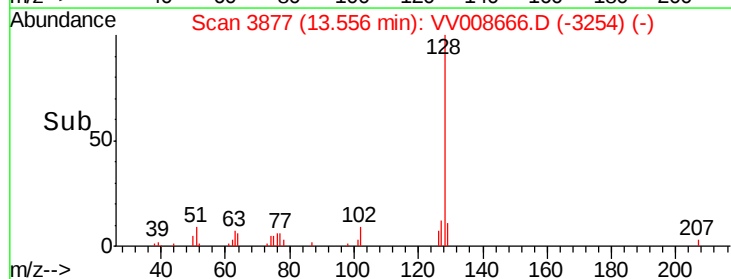
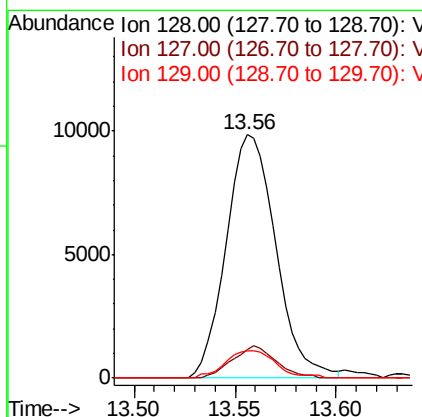
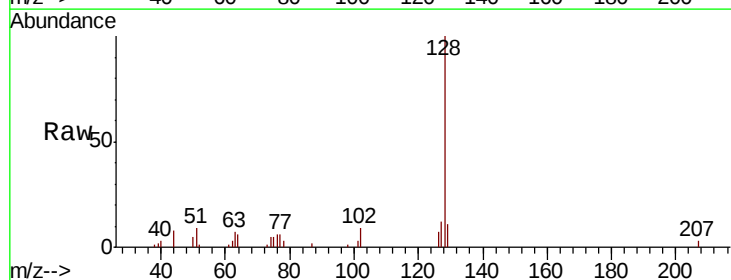
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

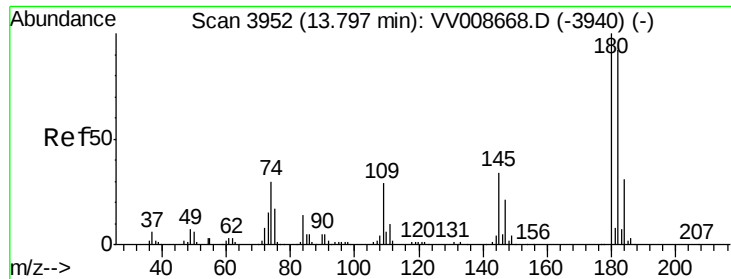
Tgt Ion:180 Resp: 7070
 Ion Ratio Lower Upper
 180 100
 182 94.6 77.4 116.2
 145 35.0 26.1 39.1



#69
 Naphthalene
 Concen: 3.195 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

Tgt Ion:128 Resp: 16981
 Ion Ratio Lower Upper
 128 100
 127 11.7 10.2 15.4
 129 11.1 8.8 13.2

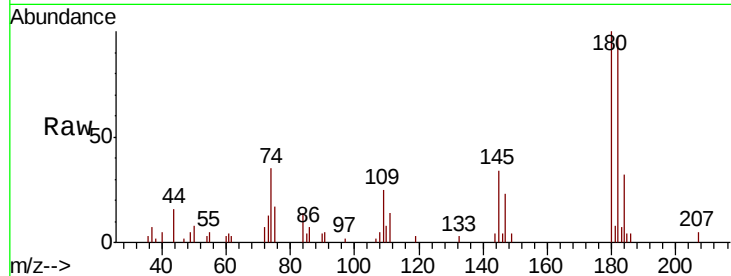




#70
 1,2,3-Trichlorobenzene
 Concen: 4.059 ug/L
 RT: 13.80 min Scan# 3953
 Delta R.T. 0.00 min
 Lab File: VV008666.D
 Acq: 20 Nov 2018 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.6	113.4
145	36.1	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

