

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008667.D
 Acq On : 20 Nov 2018 11:44
 Operator : SY/MD
 Sample : VSTD01070
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Quant Time: Nov 21 01:05:32 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	252249	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	232938	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102666	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17564	10.52	ug/L	0.00
7) Chloroethane-d5	1.56	69	11380	10.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	29239	10.07	ug/L	0.00
21) 2-Butanone-d5	3.94	46	27708	19.32	ug/L	0.00
24) Chloroform-d	4.41	84	36019	9.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	22878	9.70	ug/L	0.00
32) Benzene-d6	5.10	84	71197	9.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	22399	9.27	ug/L	0.00
41) Toluene-d8	7.36	98	62138	9.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	9137	8.02	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	19577	18.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	30384	9.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	23074	9.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20915	10.557 ug/L	99
3) Chloromethane	1.25	50	20411	11.666 ug/L	97
5) Vinyl chloride	1.33	62	19267	11.048 ug/L	94
6) Bromomethane	1.51	94	5982	10.621 ug/L	96
8) Chloroethane	1.58	64	10135	10.788 ug/L	99
9) Trichlorofluoromethane	1.76	101	24400	10.289 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14644	10.754 ug/L	99
12) 1,1-Dichloroethene	2.14	96	12775	10.602 ug/L	84
13) Acetone	2.19	43	26176	22.461 ug/L	98
14) Carbon disulfide	2.32	76	48577	9.919 ug/L	100
15) Methyl Acetate	2.46	43	23300	10.905 ug/L	99
16) Methylene chloride	2.53	84	20928	10.770 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	18158	10.478 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	58660	9.966 ug/L	99
19) 1,1-Dichloroethane	3.23	63	34520	10.454 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	20422	10.451 ug/L	88
22) 2-Butanone	4.02	43	36789	22.900 ug/L	95
23) Bromochloromethane	4.30	128	9716	10.416 ug/L	95
25) Chloroform	4.43	83	35623	9.684 ug/L	96
27) 1,2-Dichloroethane	5.18	62	27288	10.194 ug/L	97
29) Cyclohexane	4.73	56	31052	9.370 ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	28193	9.570 ug/L	98
31) Carbon tetrachloride	4.88	117	23016	9.068 ug/L	98
33) Benzene	5.15	78	76762	10.311 ug/L	100
34) Trichloroethene	5.96	95	20049	10.203 ug/L	95
35) Methylcyclohexane	6.18	83	31876	9.559 ug/L	99
37) 1,2-Dichloropropane	6.22	63	20477	10.138 ug/L	99
38) Bromodichloromethane	6.56	83	23757	9.436 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	25568	8.348 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	56959	20.822 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008667.D
 Acq On : 20 Nov 2018 11:44
 Operator : SY/MD
 Sample : VSTD01070
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

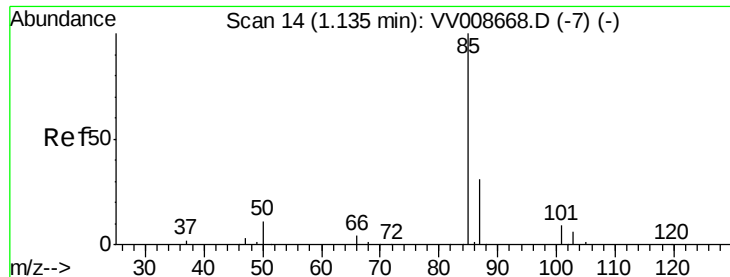
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Quant Time: Nov 21 01:05:32 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)

42) Toluene	7.43	91	78662	10.138	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	23984	8.611	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	18725	10.338	ug/L	97
46) Tetrachloroethene	8.02	164	14340	10.194	ug/L	97
48) 2-Hexanone	8.19	43	42401	20.024	ug/L	95
49) Dibromochloromethane	8.29	129	17151	9.055	ug/L	100
50) 1,2-Dibromoethane	8.40	107	19190	10.198	ug/L	94
51) Chlorobenzene	8.93	112	49443	10.154	ug/L	98
52) Ethylbenzene	9.06	91	82576	9.665	ug/L	98
53) m,p-Xylene	9.18	106	30312	9.681	ug/L	99
54) o-xylene	9.59	106	29983	9.659	ug/L	92
55) Styrene	9.61	104	47741	9.339	ug/L	98
56) Isopropylbenzene	9.98	105	77736	9.513	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	30525	10.305	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	25718	10.533	ug/L	98
61) Bromoform	9.78	173	11120	9.159	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	35382	10.392	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	35458	10.375	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	36670	10.534	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	5813	9.585	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	22832	9.756	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	15190	8.290	ug/L	97
69) Naphthalene	13.56	128	39463	7.439	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	16596	8.975	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 10.557 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

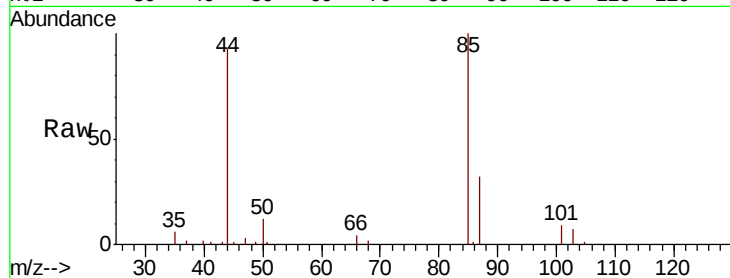
VSTD01070

Tgt Ion: 85 Resp: 20915

Ion Ratio Lower Upper

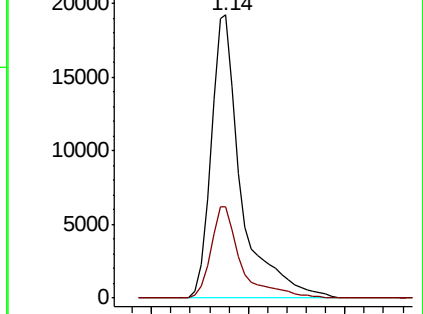
85 100

87 32.7 25.5 38.3

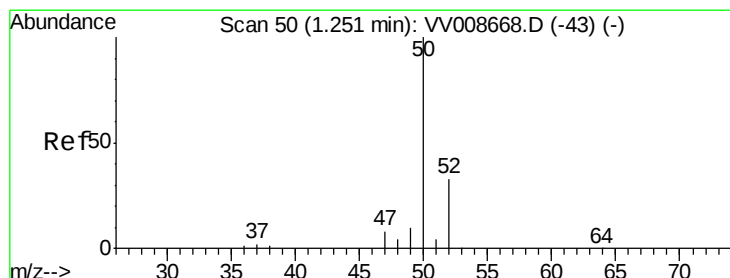
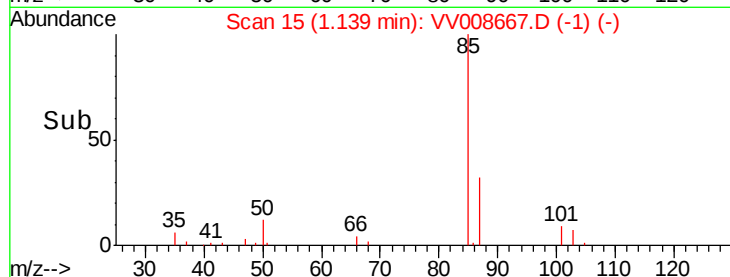


Abundance Ion 85.00 (84.70 to 85.70): VV008667.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV008667.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 11.666 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008667.D

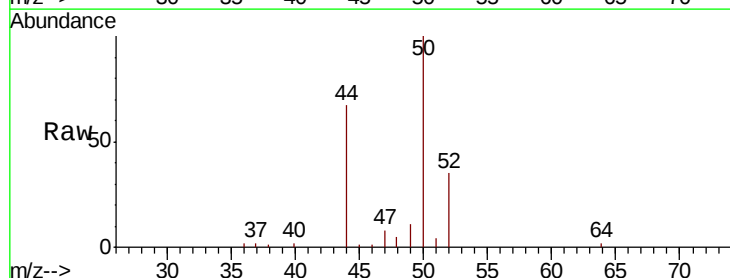
Acq: 20 Nov 2018 11:44

Tgt Ion: 50 Resp: 20411

Ion Ratio Lower Upper

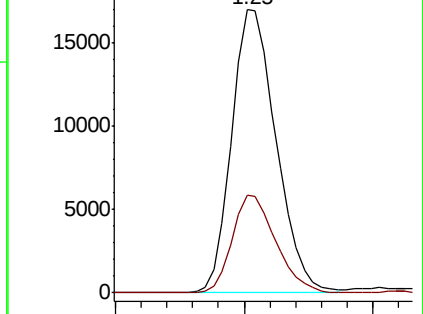
50 100

52 34.6 23.0 42.8

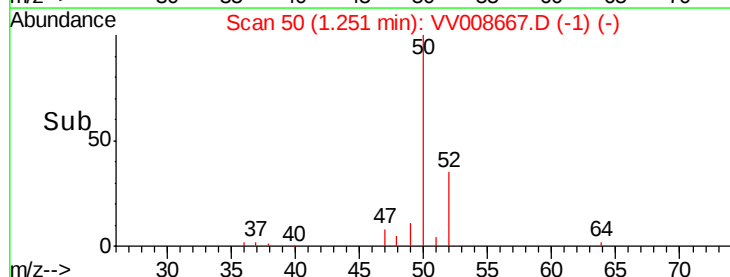


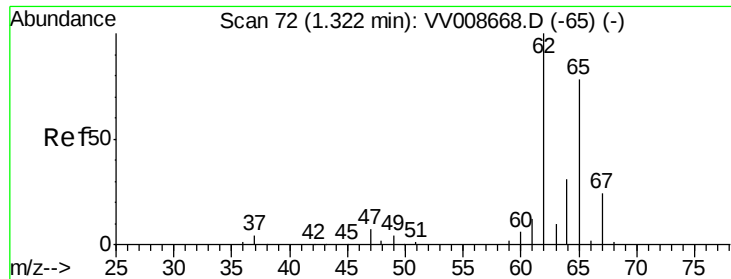
Abundance Ion 50.00 (49.70 to 50.70): VV008667.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008667.D (-43) (-)



Time-->





#5

Vinyl chloride

Concen: 11.048 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

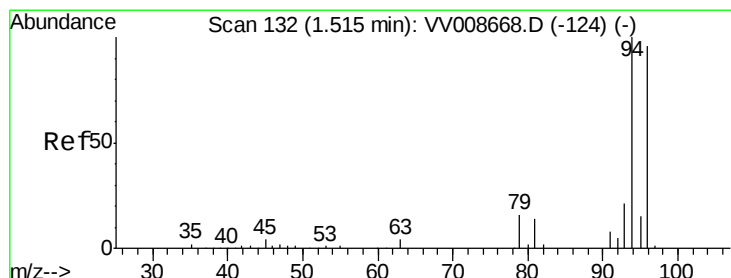
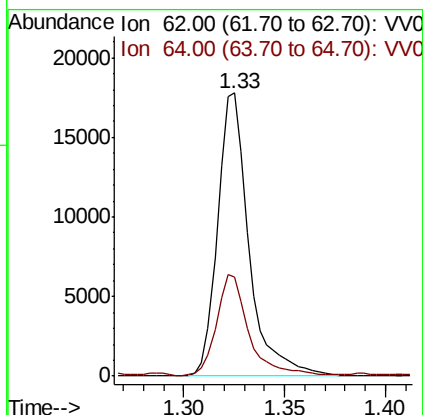
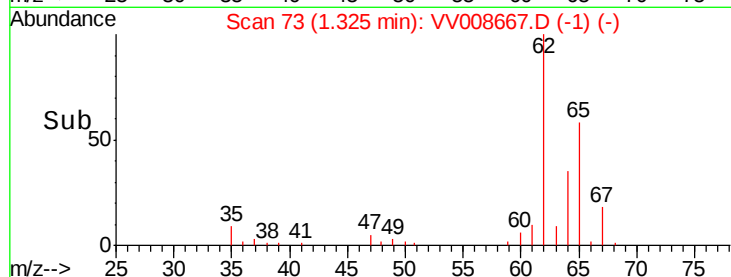
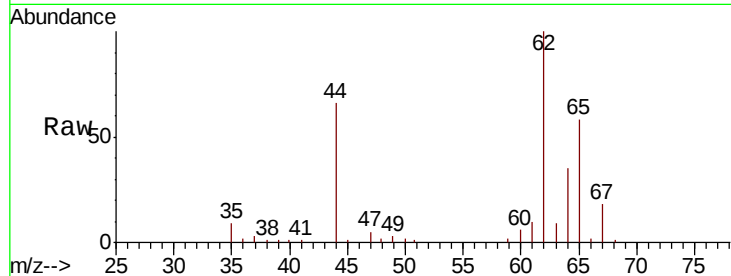
VSTD01070

Tgt Ion: 62 Resp: 19267

Ion Ratio Lower Upper

62 100

64 34.8 22.0 41.0



#6

Bromomethane

Concen: 10.621 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008667.D

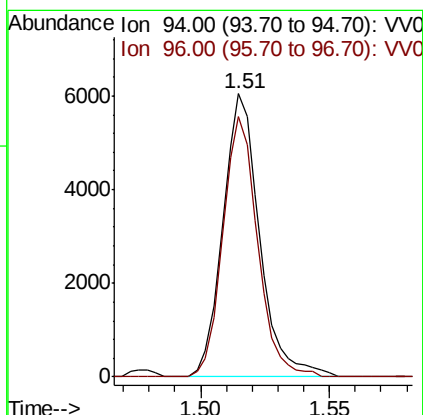
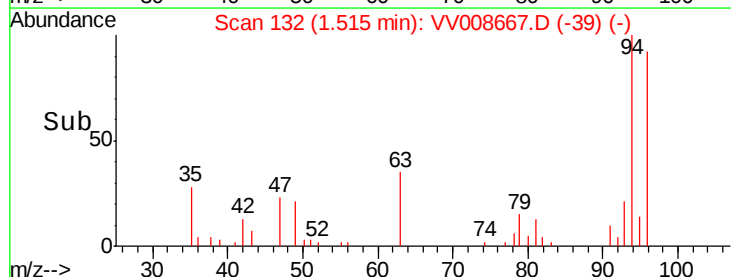
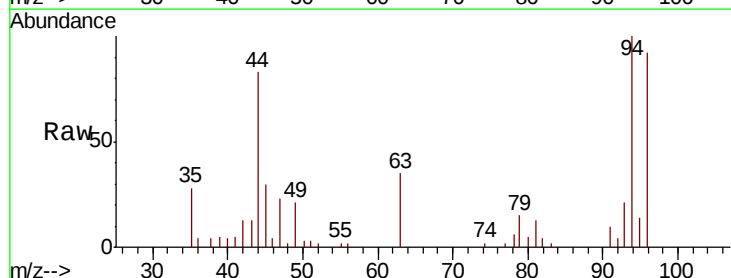
Acq: 20 Nov 2018 11:44

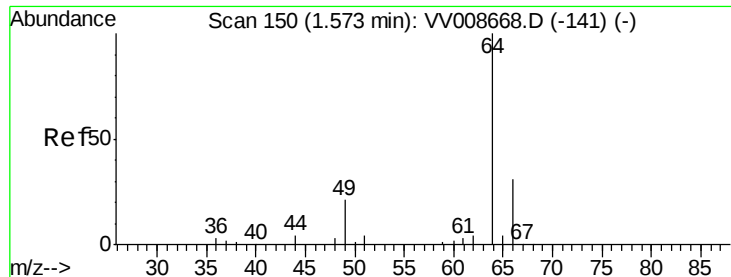
Tgt Ion: 94 Resp: 5982

Ion Ratio Lower Upper

94 100

96 92.0 67.4 125.2





#8

Chloroethane

Concen: 10.788 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.01 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

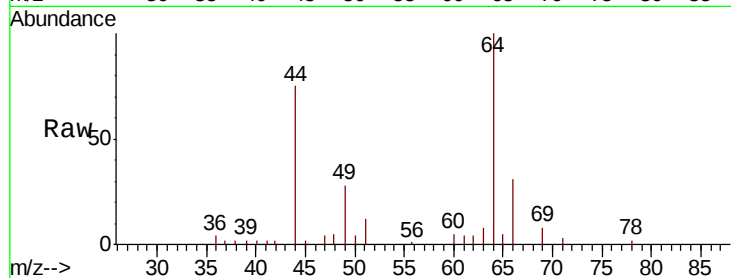
VSTD01070

Tgt Ion: 64 Resp: 10135

Ion Ratio Lower Upper

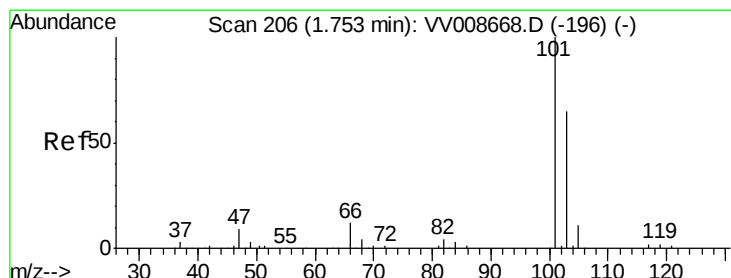
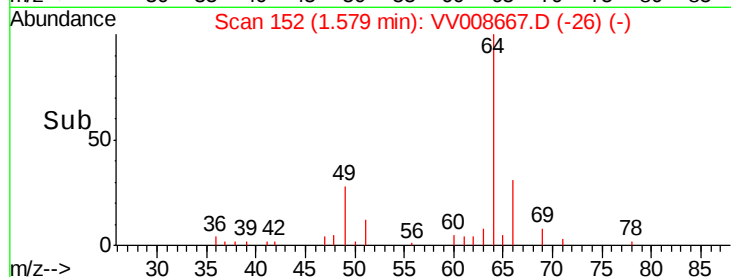
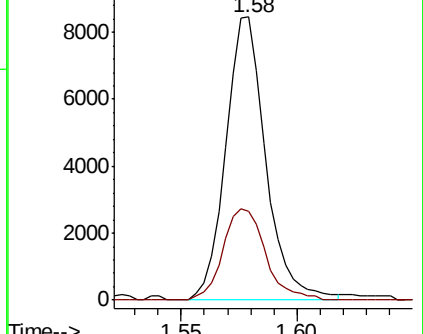
64 100

66 31.3 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VV008667.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008667.D (-141) (-)



#9

Trichlorofluoromethane

Concen: 10.289 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.01 min

Lab File: VV008667.D

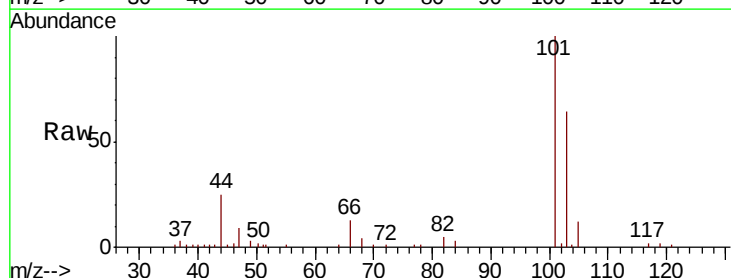
Acq: 20 Nov 2018 11:44

Tgt Ion: 101 Resp: 24400

Ion Ratio Lower Upper

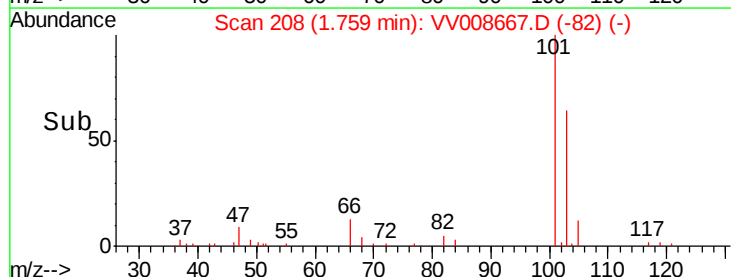
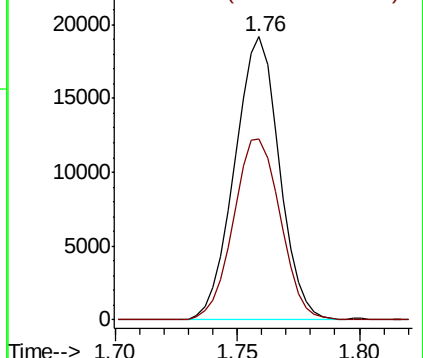
101 100

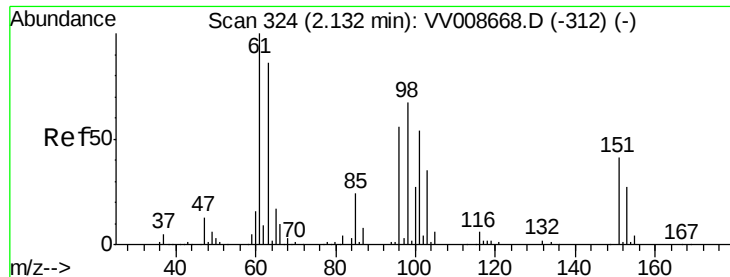
103 67.1 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV008667.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV008667.D (-196) (-)





#10

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

Concen: 10.754 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

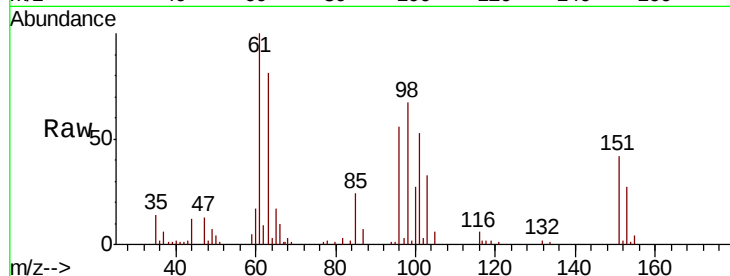
Tgt Ion: 101 Resp: 14644

Ion Ratio Lower Upper

101 100

85 44.6 34.8 52.2

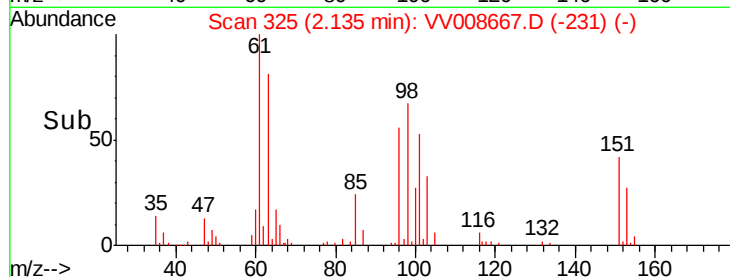
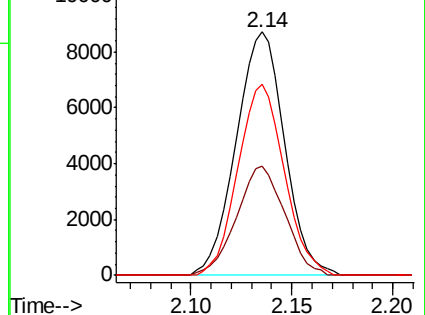
151 75.4 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.602 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

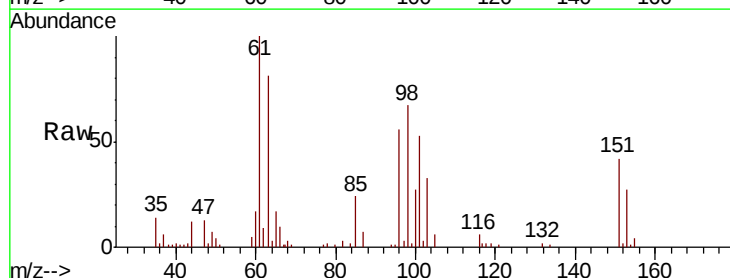
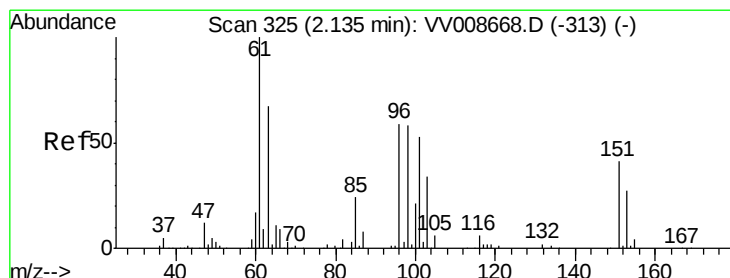
Tgt Ion: 96 Resp: 12775

Ion Ratio Lower Upper

96 100

61 180.0 118.4 220.0

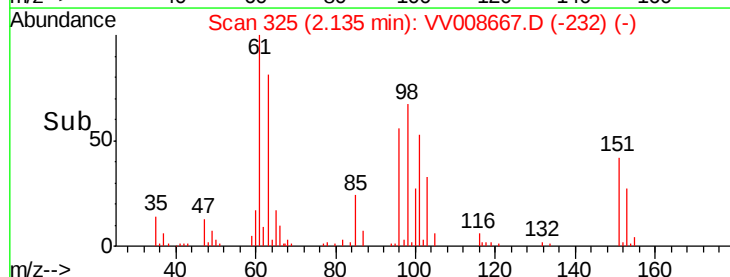
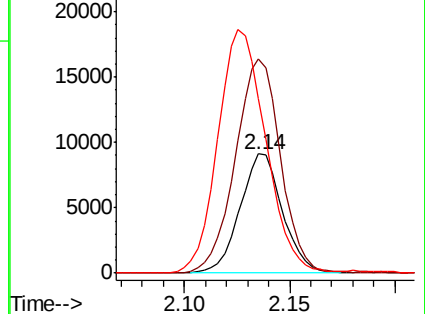
63 146.3 81.8 152.0

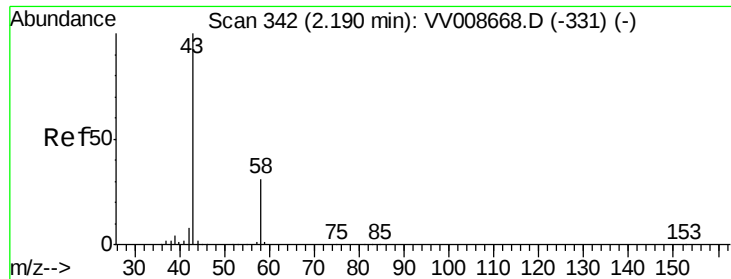


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 22.461 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

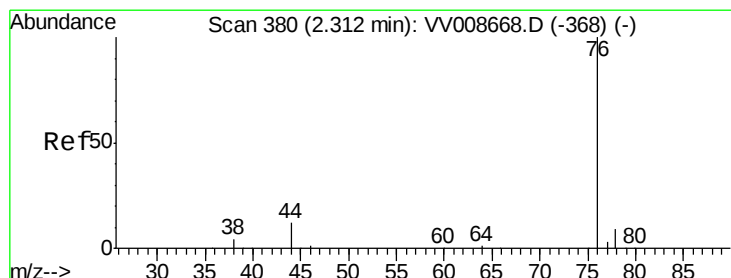
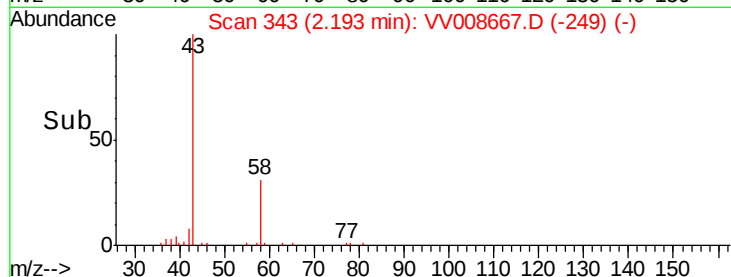
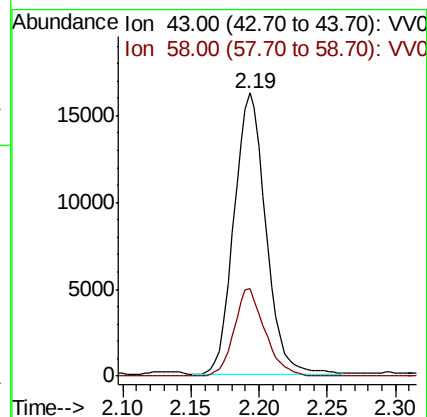
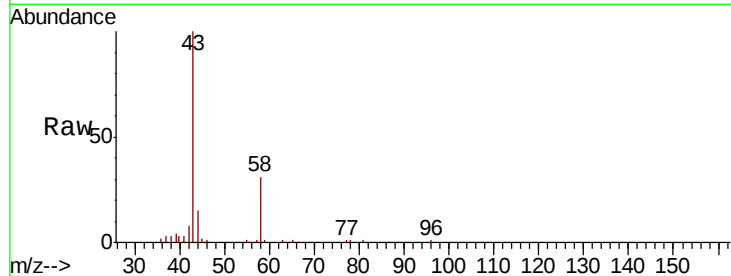
VSTD01070

Tgt Ion: 43 Resp: 26176

Ion Ratio Lower Upper

43 100

58 30.1 0.0 62.0



#14

Carbon disulfide

Concen: 9.919 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008667.D

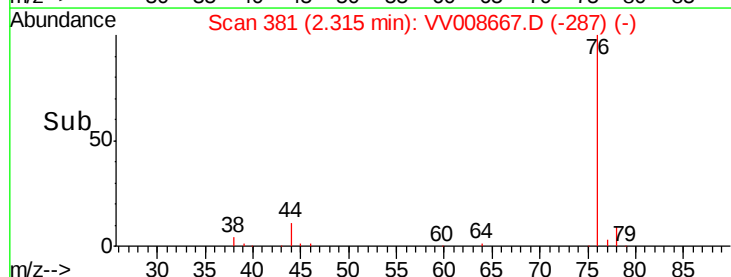
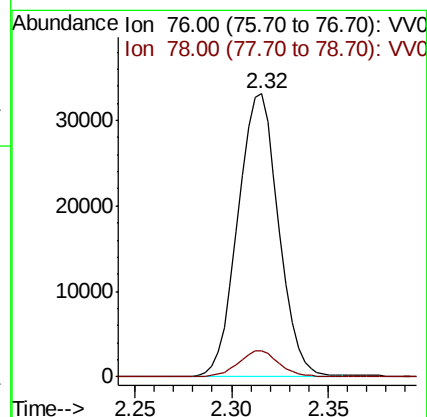
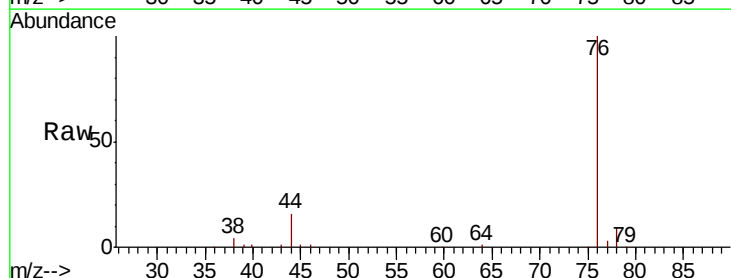
Acq: 20 Nov 2018 11:44

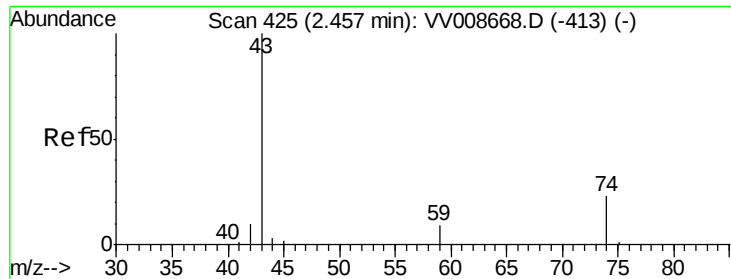
Tgt Ion: 76 Resp: 48577

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

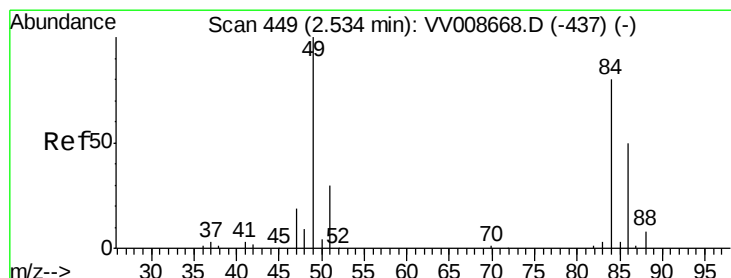
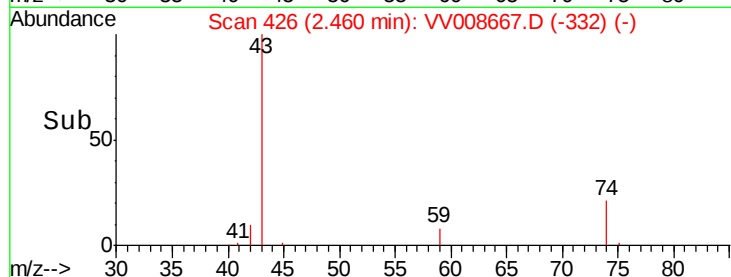
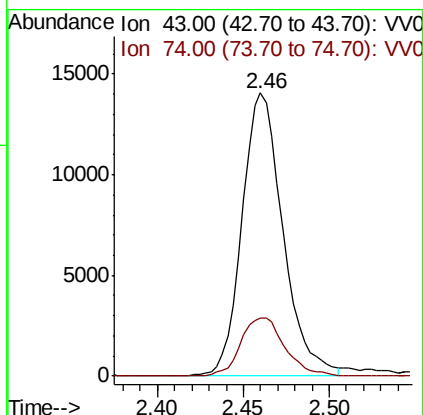
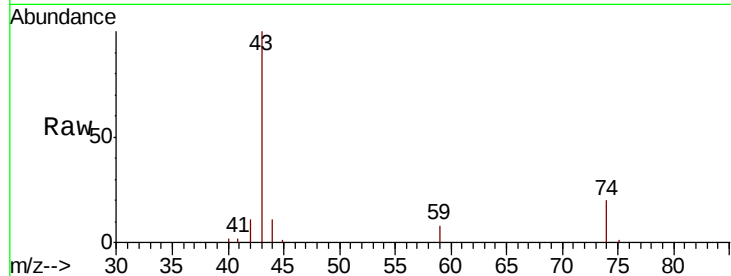




#15
Methyl Acetate
Concen: 10.905 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

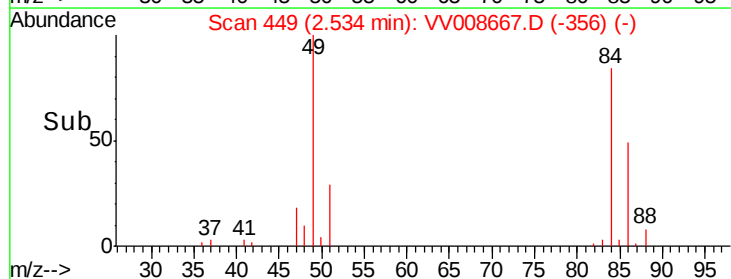
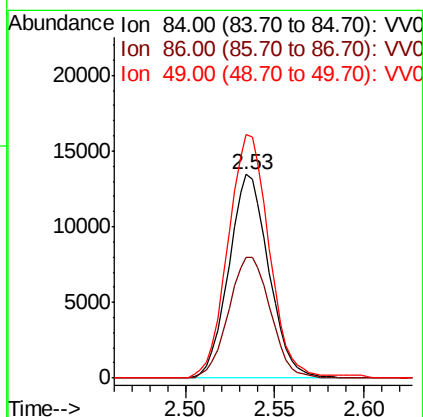
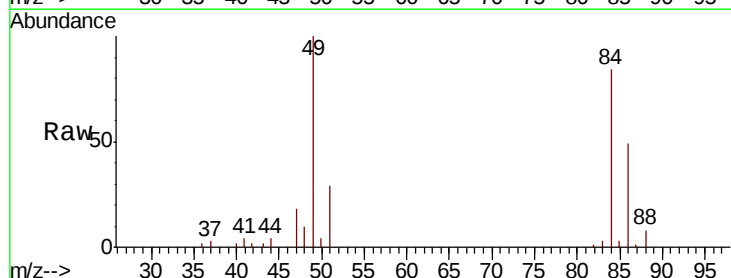
Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

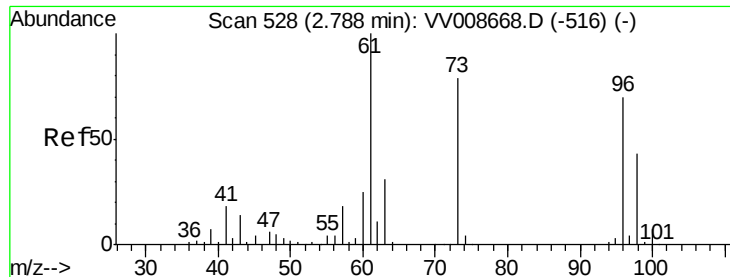
Tgt Ion: 43 Resp: 23300
Ion Ratio Lower Upper
43 100
74 22.2 18.1 27.1



#16
Methylene chloride
Concen: 10.770 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Tgt Ion: 84 Resp: 20928
Ion Ratio Lower Upper
84 100
86 59.2 43.6 81.0
49 119.7 87.1 161.7

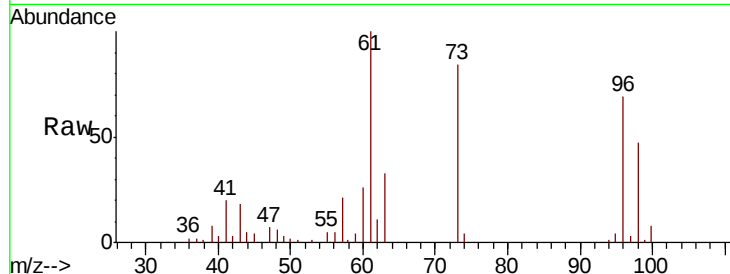




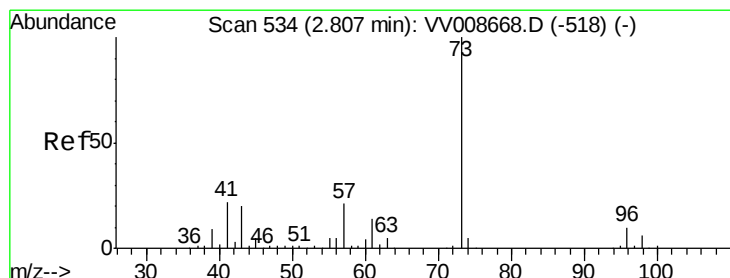
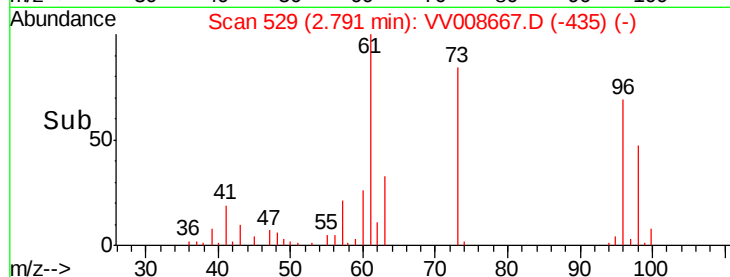
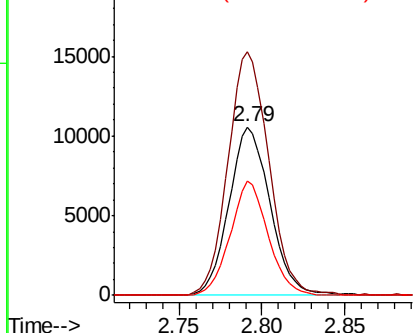
#17
trans-1,2-Dichloroethene
Concen: 10.478 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Tgt Ion: 96 Resp: 18158
Ion Ratio Lower Upper
96 100
61 144.4 100.4 186.4
98 67.6 43.0 80.0

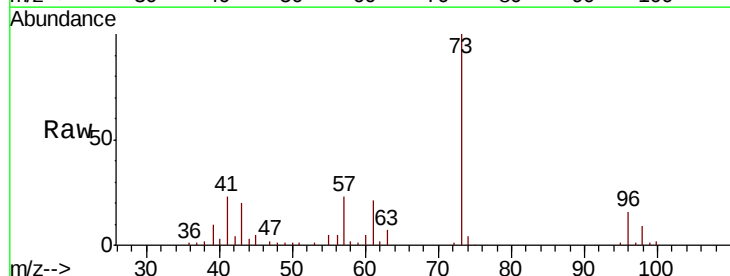


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

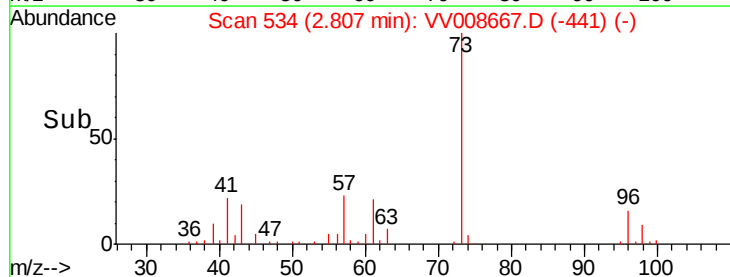
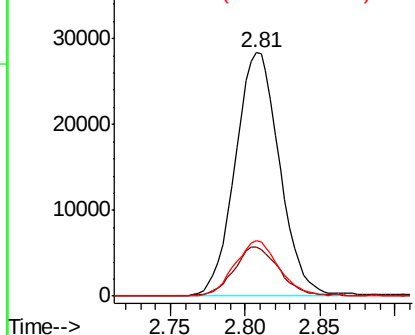


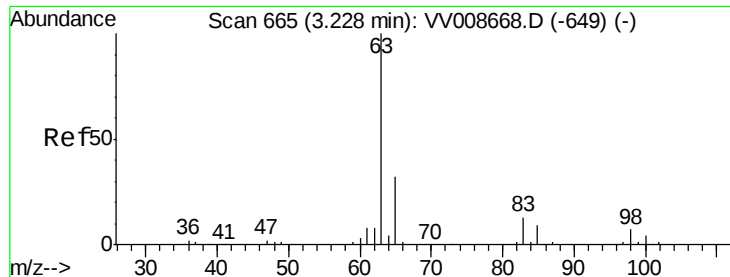
#18
Methyl tert-butyl Ether
Concen: 9.966 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Tgt Ion: 73 Resp: 58660
Ion Ratio Lower Upper
73 100
43 20.7 16.0 24.0
57 22.4 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

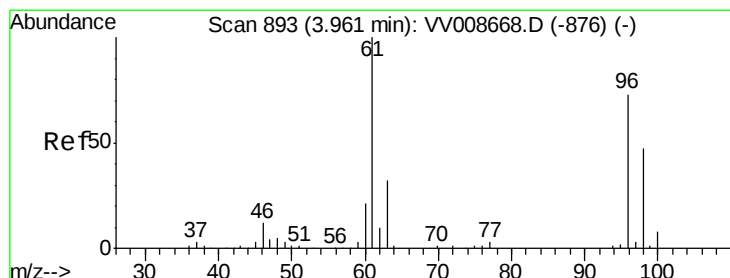
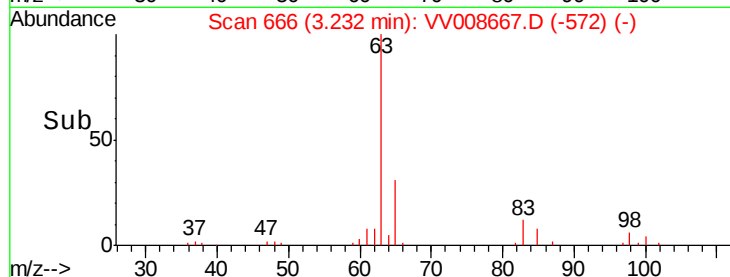
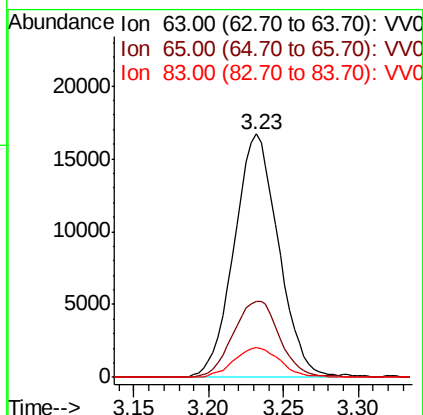
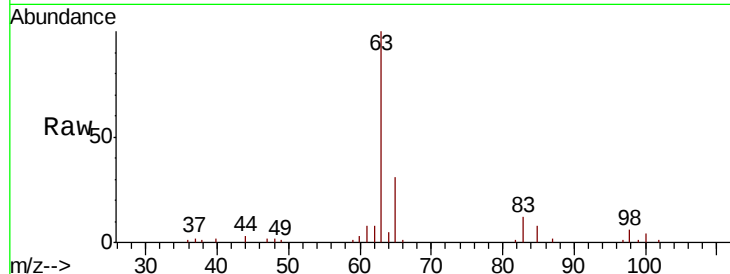




#19
 1,1-Dichloroethane
 Concen: 10.454 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

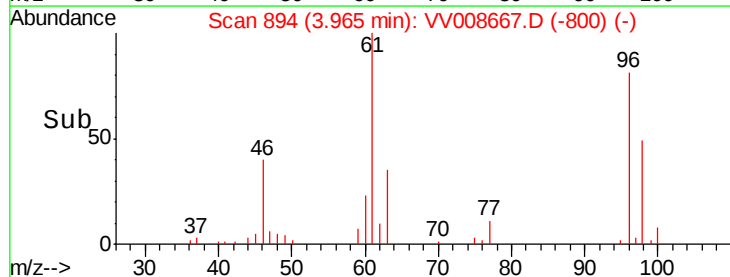
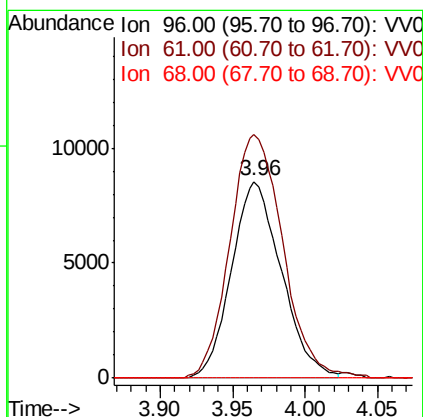
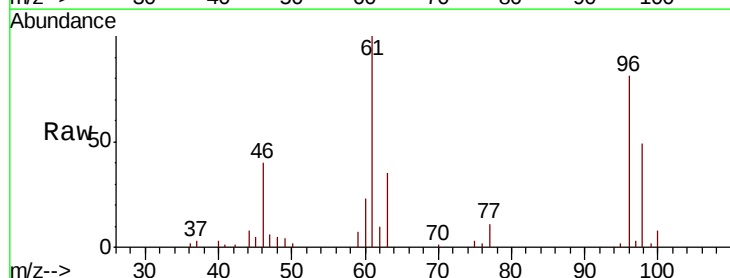
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

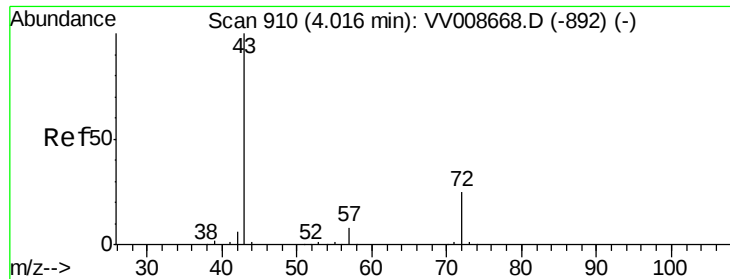
Tgt Ion: 63 Resp: 34520
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.5 41.7
 83 12.0 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 10.451 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Tgt Ion: 96 Resp: 20422
 Ion Ratio Lower Upper
 96 100
 61 123.8 96.5 179.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 22.900 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.01 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

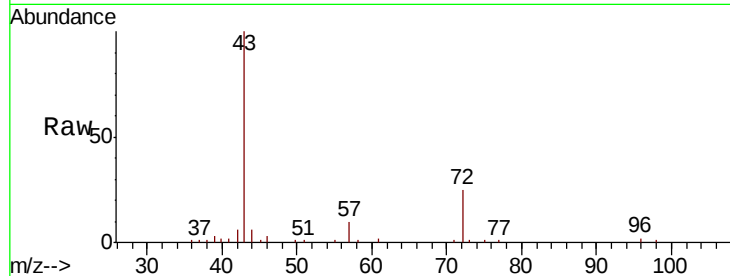
VSTD01070

Tgt Ion: 43 Resp: 36789

Ion Ratio Lower Upper

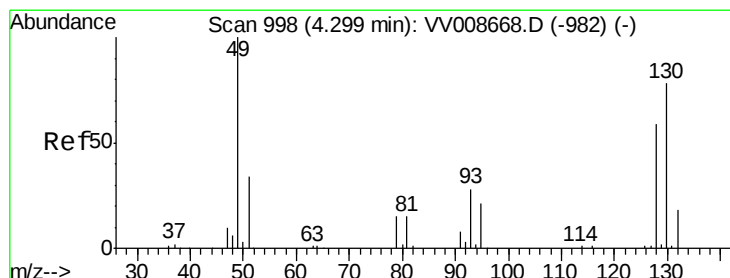
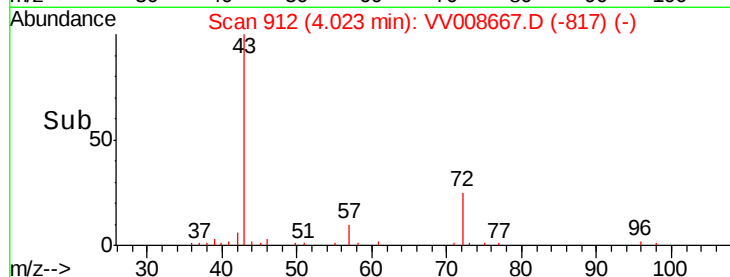
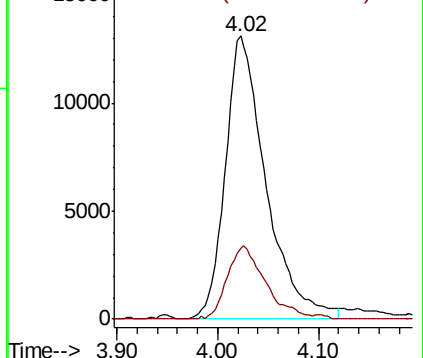
43 100

72 24.3 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV008667.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV008667.D (-817) (-)



#23

Bromochloromethane

Concen: 10.416 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Tgt Ion: 128 Resp: 9716

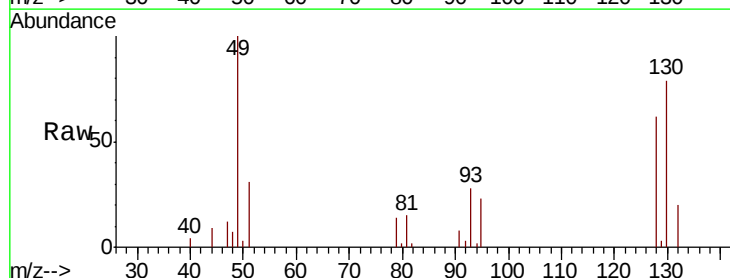
Ion Ratio Lower Upper

128 100

49 161.9 118.1 219.3

130 127.4 91.6 170.2

51 50.0 45.9 68.9

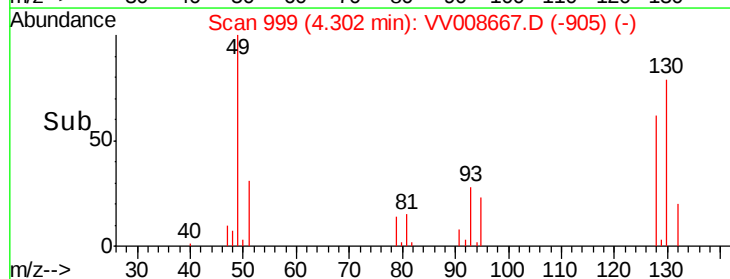
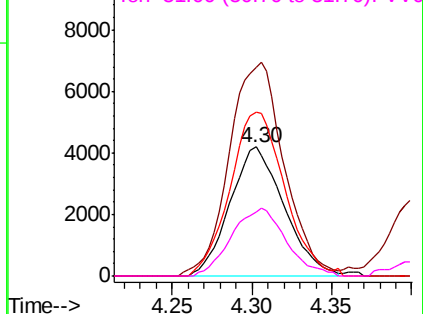


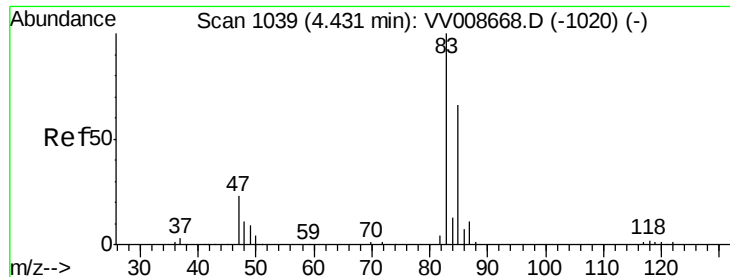
Abundance Ion 128.00 (127.70 to 128.70): VV008667.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV008667.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV008667.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV008667.D (-905) (-)

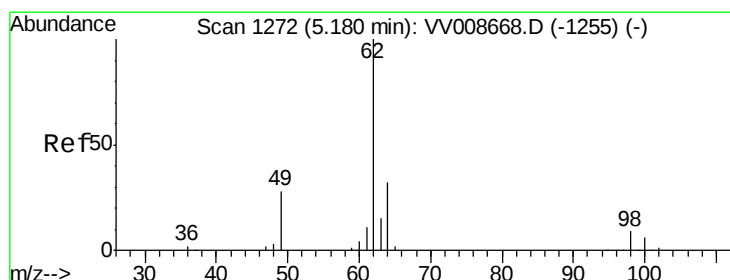
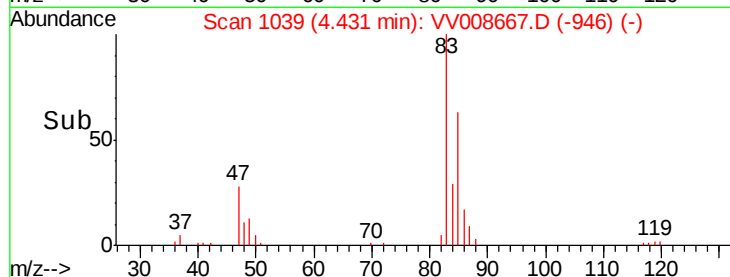
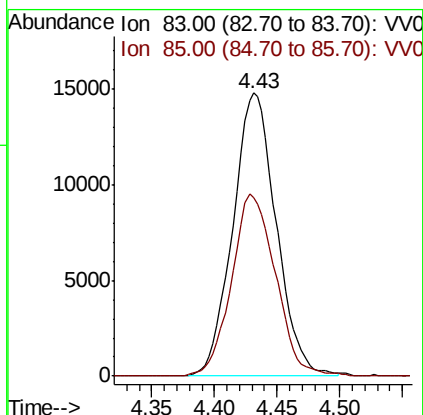
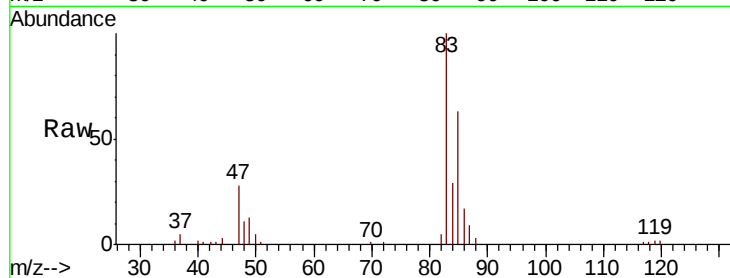




#25
Chloroform
Concen: 9.684 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

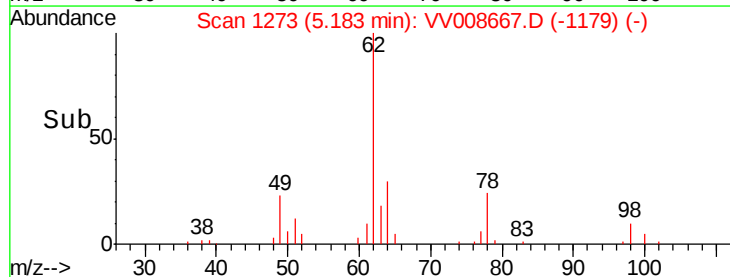
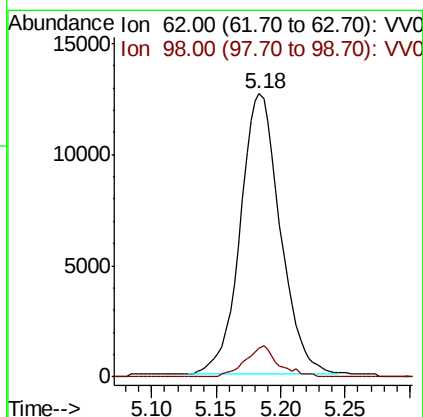
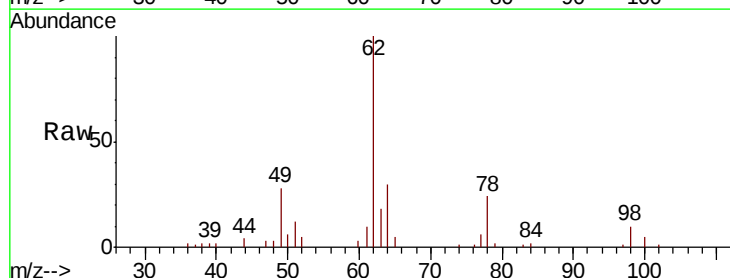
Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

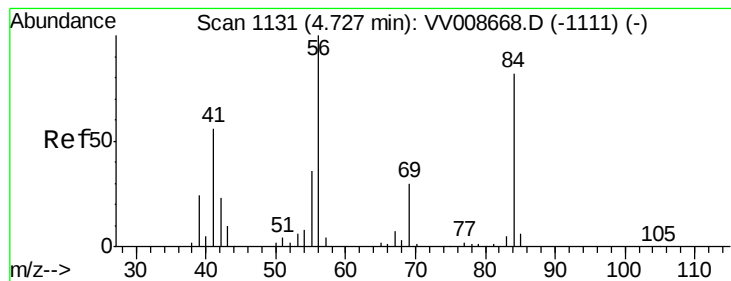
Tgt Ion: 83 Resp: 35623
Ion Ratio Lower Upper
83 100
85 63.2 46.5 86.3



#27
1,2-Dichloroethane
Concen: 10.194 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Tgt Ion: 62 Resp: 27288
Ion Ratio Lower Upper
62 100
98 10.1 7.2 10.8





#29

Cyclohexane

Concen: 9.370 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

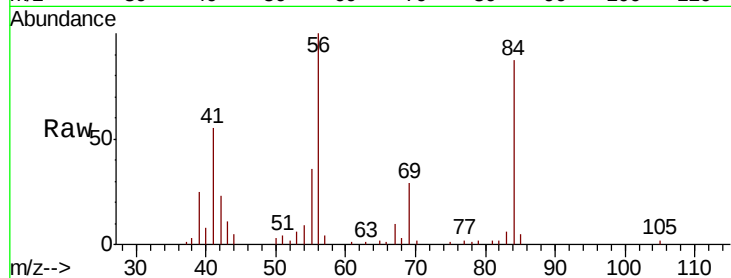
Tgt Ion: 56 Resp: 31052

Ion Ratio Lower Upper

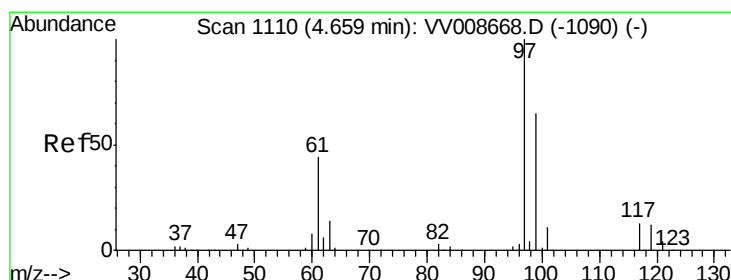
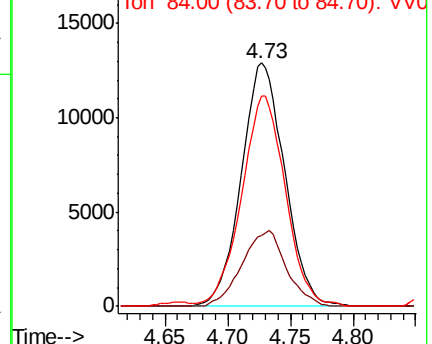
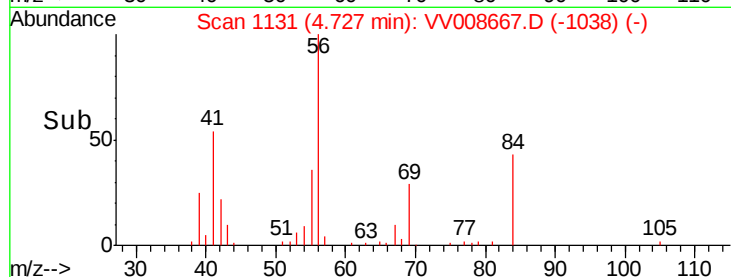
56 100

69 31.7 24.4 36.6

84 87.3 66.0 99.0



Abundance Ion 56.00 (55.70 to 56.70): VV008667.D (-1038) (-)



#30

1,1,1-Trichloroethane

Concen: 9.570 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

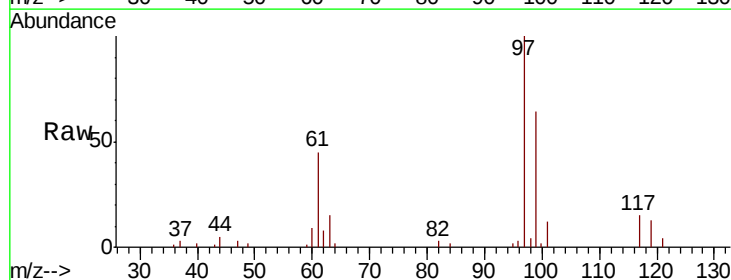
Tgt Ion: 97 Resp: 28193

Ion Ratio Lower Upper

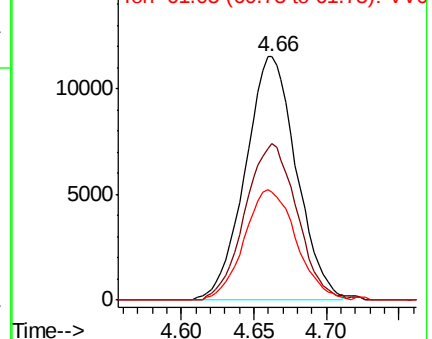
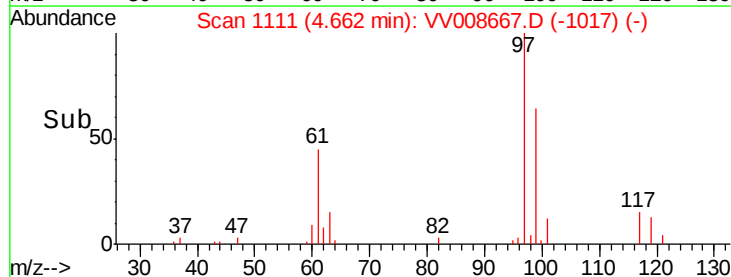
97 100

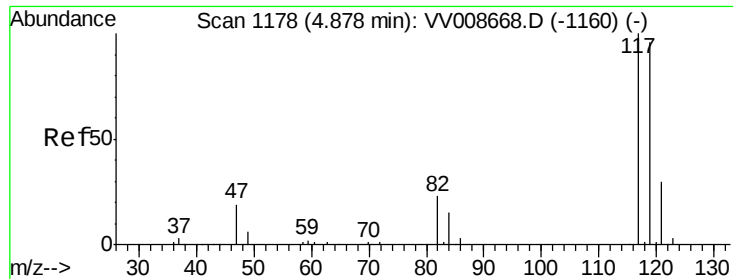
99 65.1 51.4 77.2

61 46.1 35.2 52.8



Abundance Ion 97.00 (96.70 to 97.70): VV008667.D (-1017) (-)





#31

Carbon tetrachloride

Concen: 9.068 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

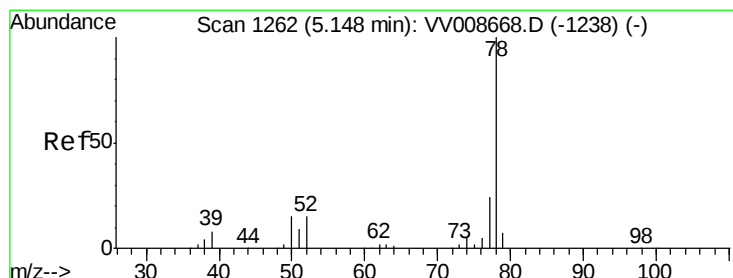
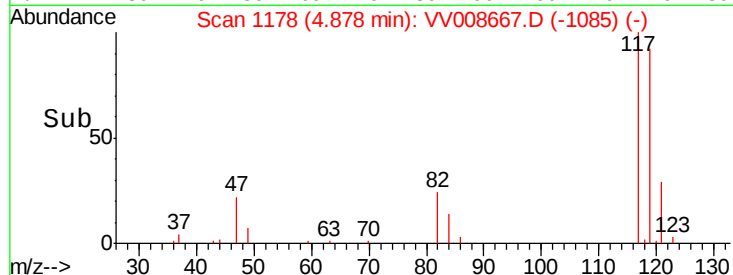
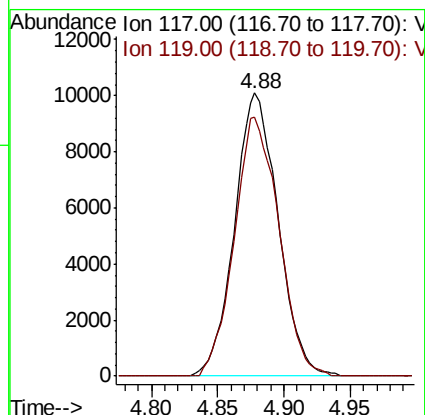
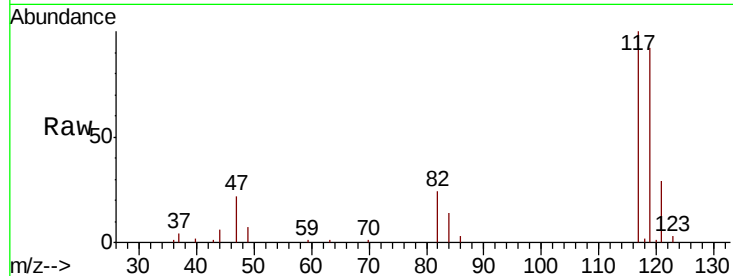
VSTD01070

Tgt Ion:117 Resp: 23016

Ion Ratio Lower Upper

117 100

119 93.6 76.5 114.7



#33

Benzene

Concen: 10.311 ug/L

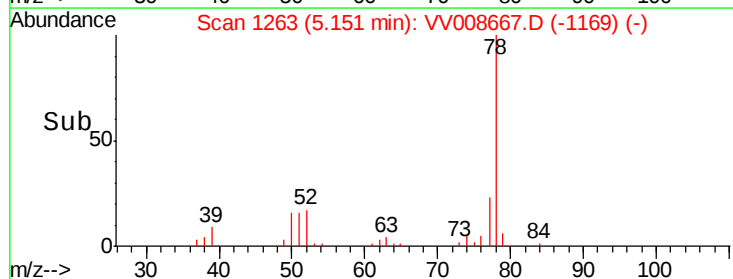
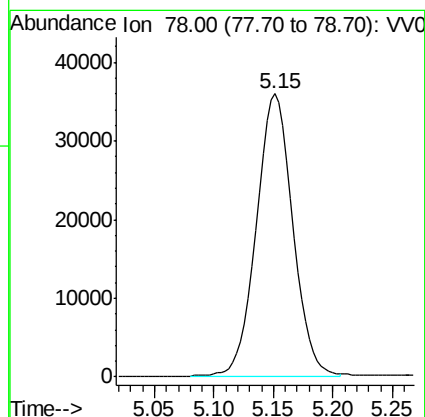
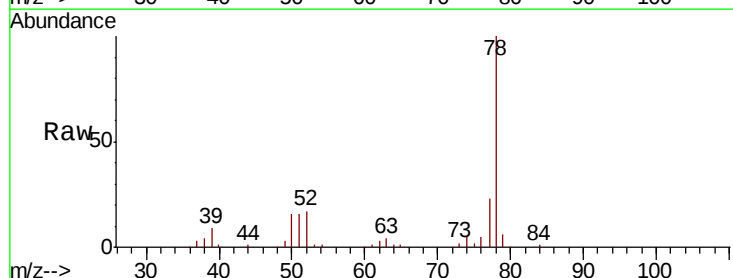
RT: 5.15 min Scan# 1263

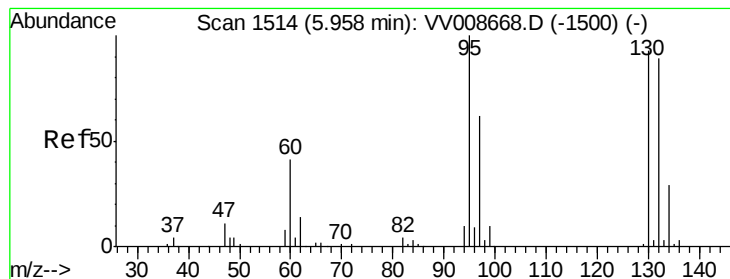
Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Tgt Ion: 78 Resp: 76762





#34

Trichloroethene

Concen: 10.203 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

Tgt Ion: 95 Resp: 20049

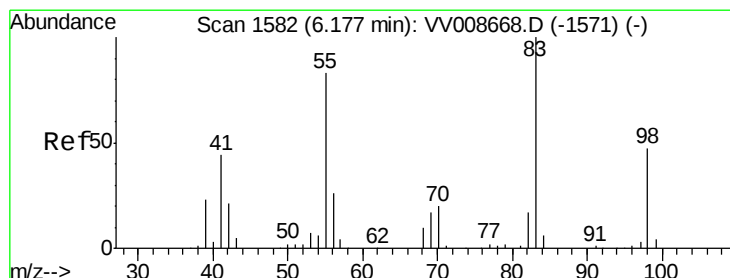
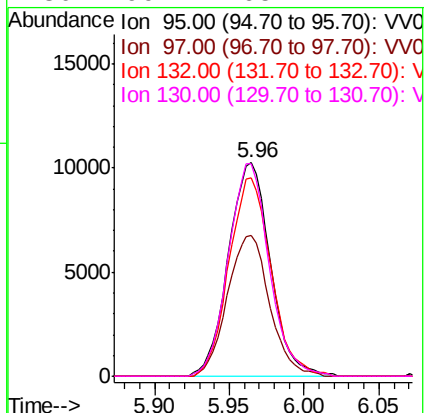
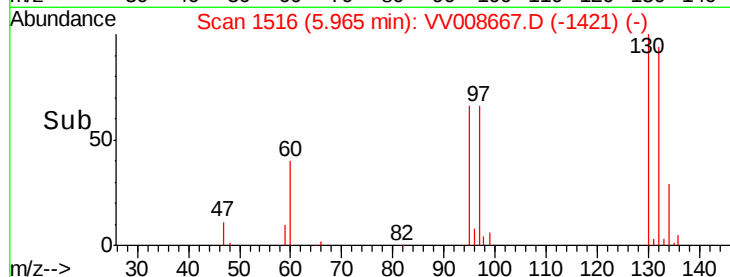
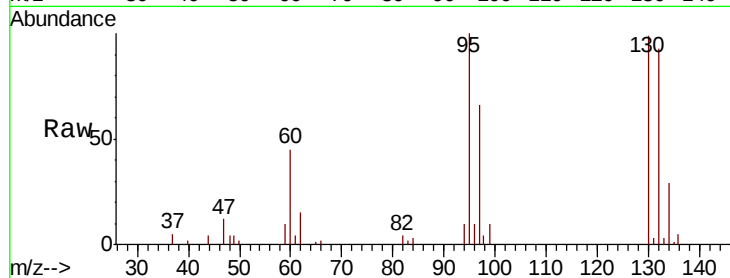
Ion Ratio Lower Upper

95 100

97 65.8 43.2 80.2

132 93.1 62.0 115.2

130 99.4 65.4 121.4



#35

Methylcyclohexane

Concen: 9.559 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

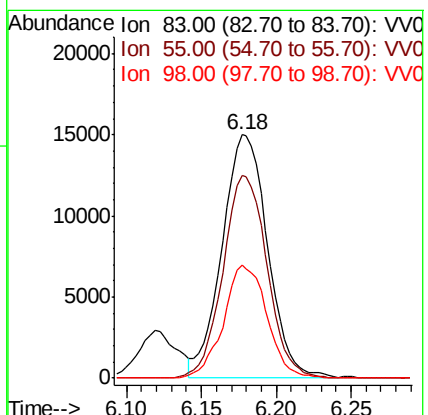
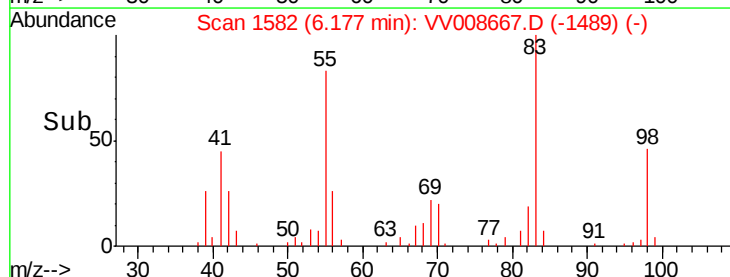
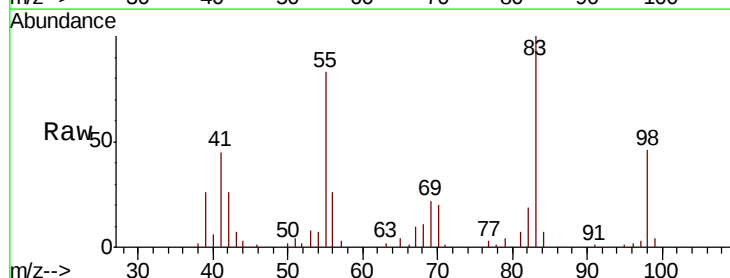
Tgt Ion: 83 Resp: 31876

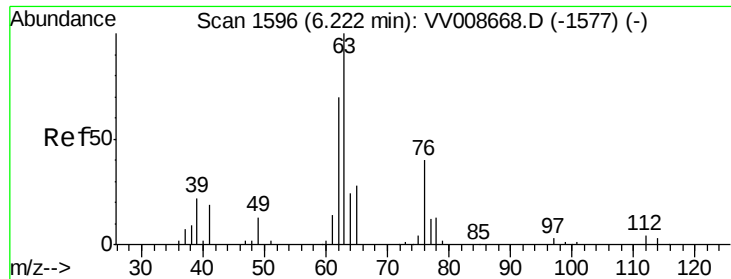
Ion Ratio Lower Upper

83 100

55 80.5 63.8 95.6

98 44.0 36.1 54.1

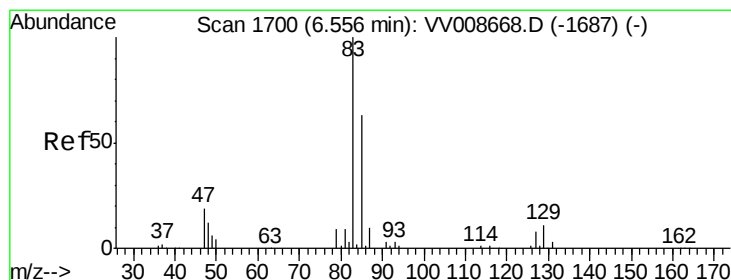
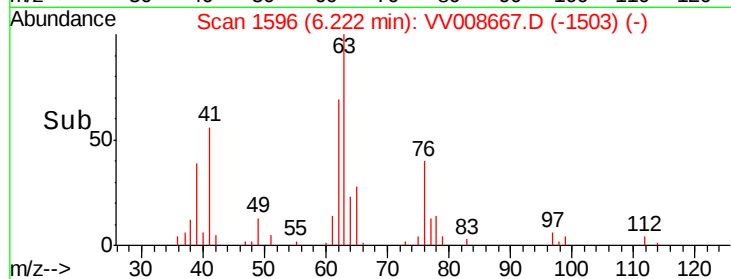
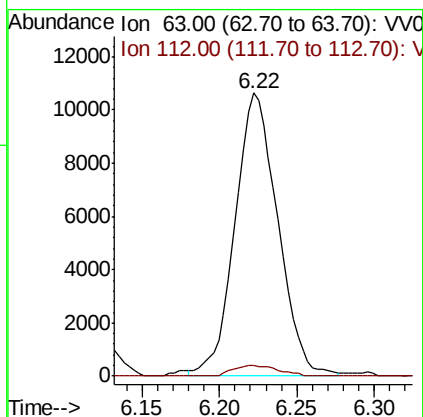
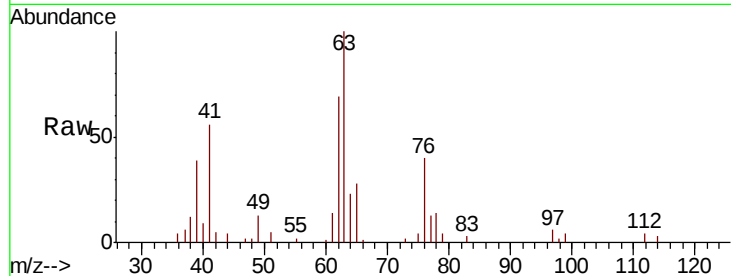




#37
 1,2-Dichloropropane
 Concen: 10.138 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

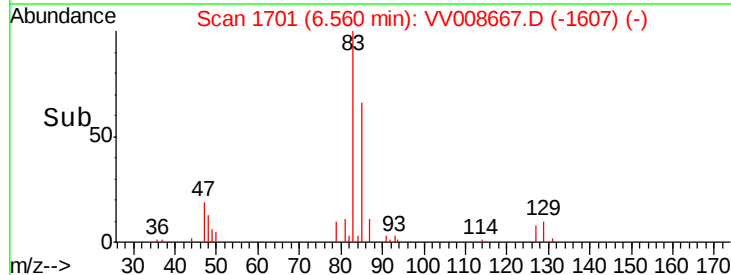
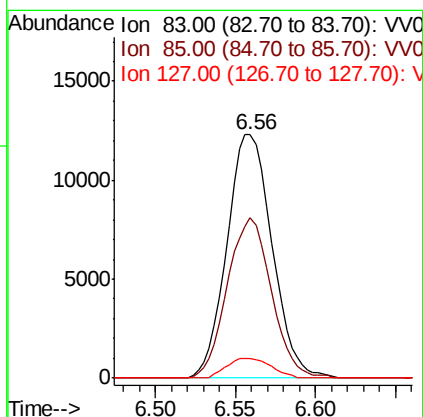
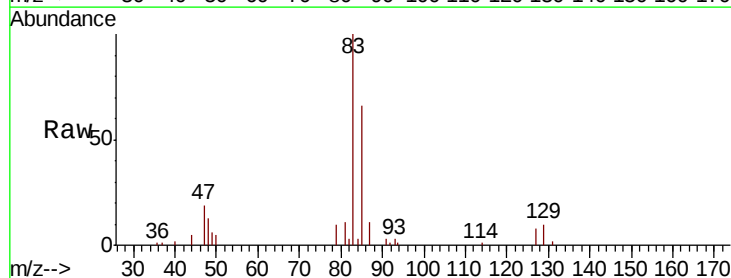
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

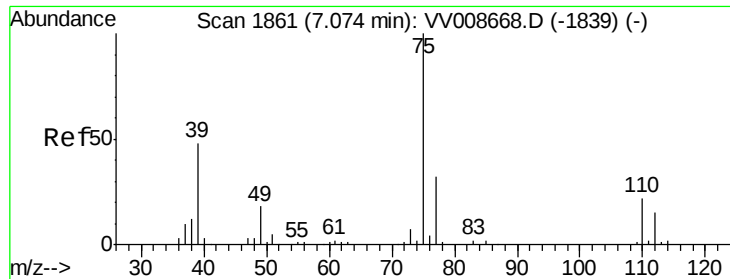
Tgt Ion: 63 Resp: 20477
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 9.436 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Tgt Ion: 83 Resp: 23757
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.8 81.3
 127 7.9 6.8 10.2

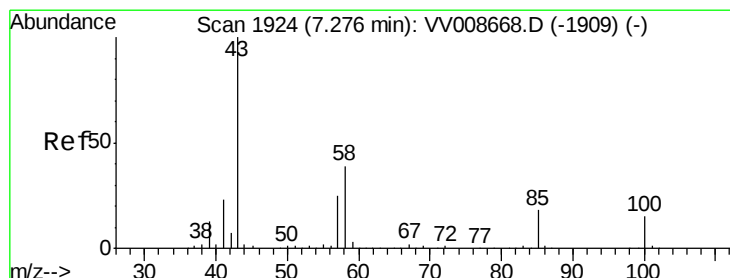
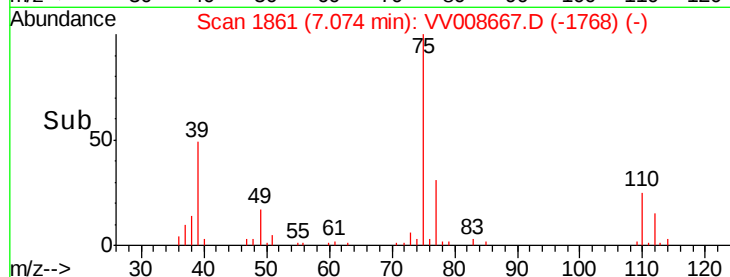
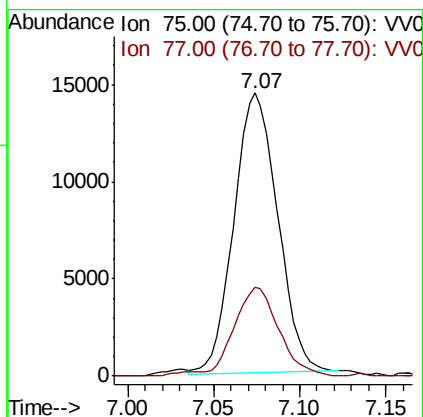
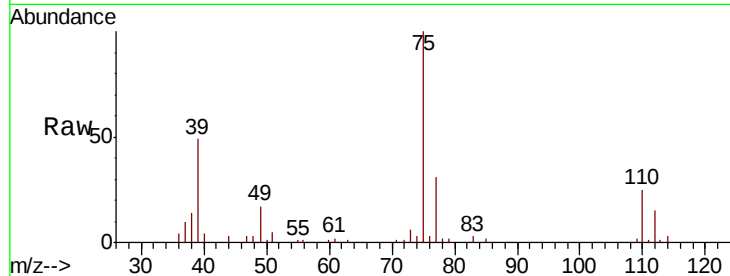




#39
 cis-1,3-Dichloropropene
 Concen: 8.348 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

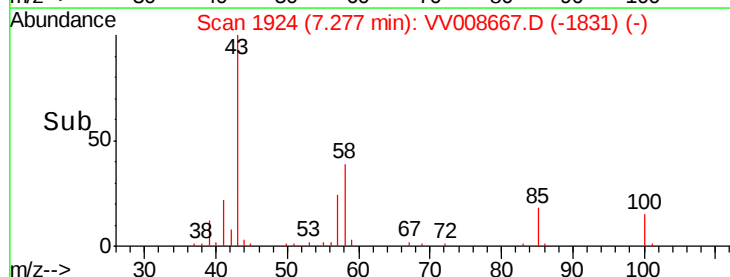
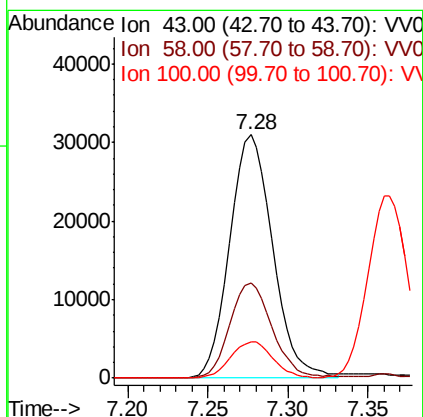
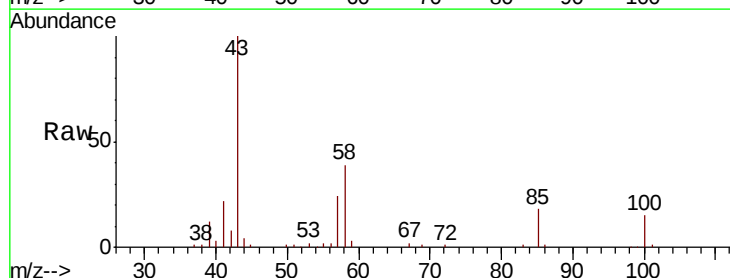
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

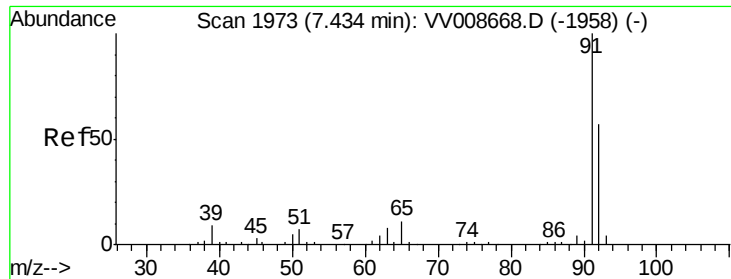
Tgt Ion: 75 Resp: 25568
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 20.822 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Tgt Ion: 43 Resp: 56959
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.1 46.7
 100 14.6 11.6 17.4





#42

Toluene

Concen: 10.138 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

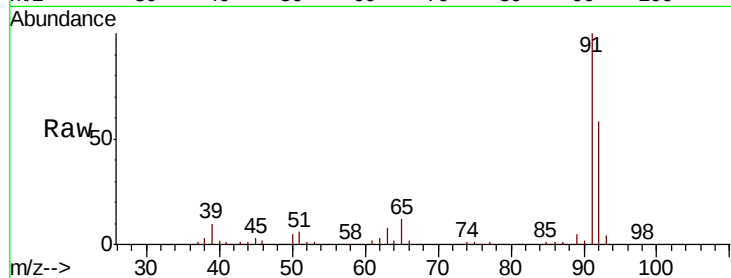
VSTD01070

Tgt Ion: 91 Resp: 78662

Ion Ratio Lower Upper

91 100

92 57.8 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

50000

40000

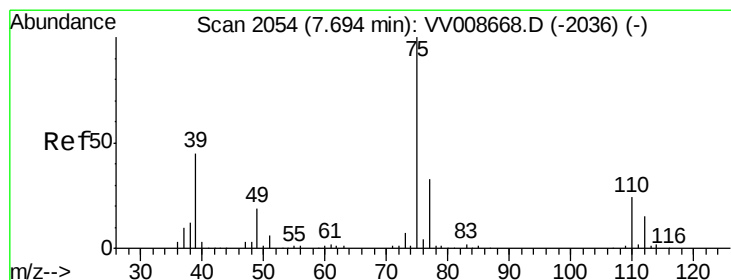
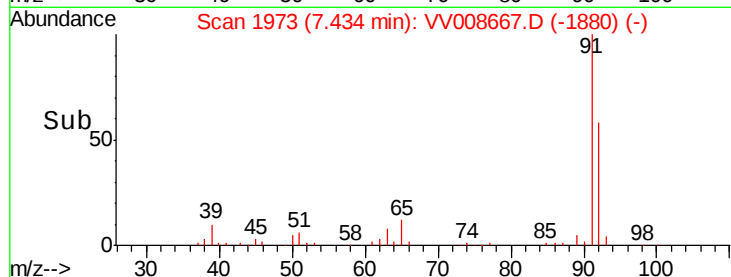
30000

20000

10000

0

Time--> 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 8.611 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008667.D

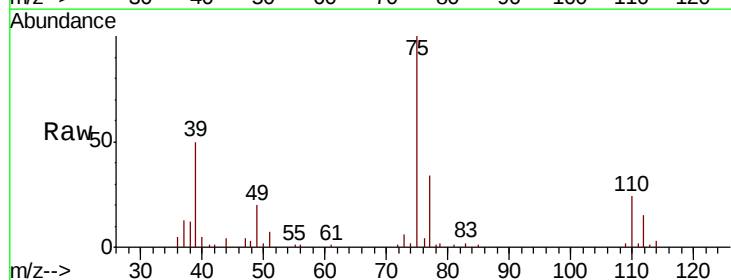
Acq: 20 Nov 2018 11:44

Tgt Ion: 75 Resp: 23984

Ion Ratio Lower Upper

75 100

77 33.6 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) (-)

7.70

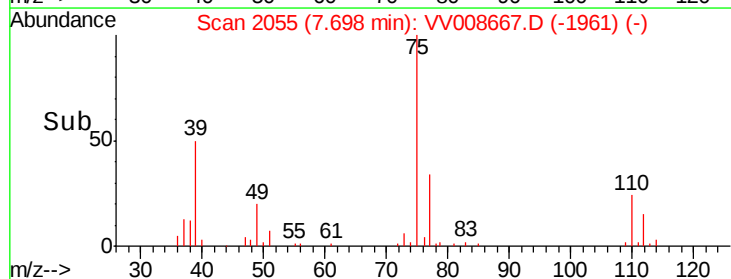
15000

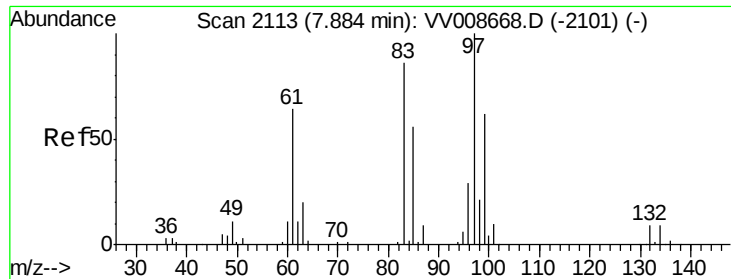
10000

5000

0

Time--> 7.60 7.65 7.70 7.75

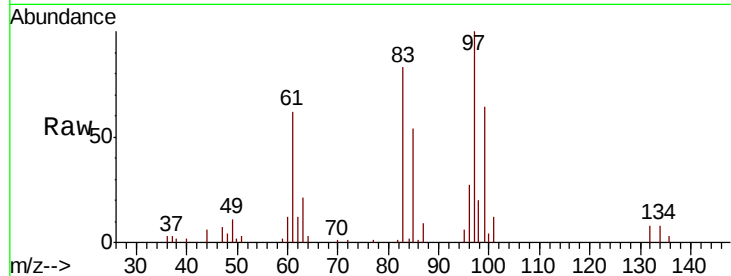




#45
 1,1,2-Trichloroethane
 Concen: 10.338 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Tgt Ion:	97	Resp:	18725
Ion	Ratio	Lower	Upper
97	100		
99	64.4	43.7	81.1
83	82.5	59.9	111.3
85	53.8	39.4	73.2



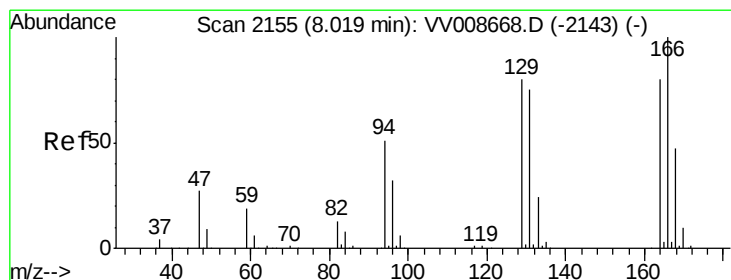
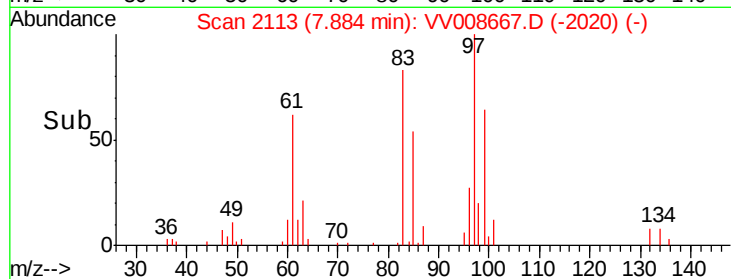
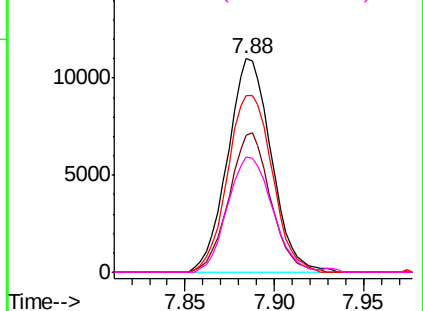
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

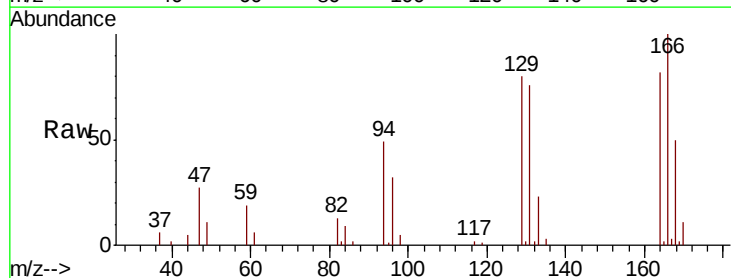
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 10.194 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Tgt Ion:	164	Resp:	14340
Ion	Ratio	Lower	Upper
164	100		
129	97.1	70.1	130.1
131	92.7	65.9	122.3
166	121.5	87.7	162.9



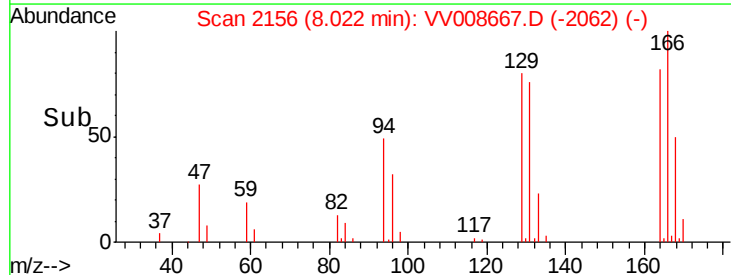
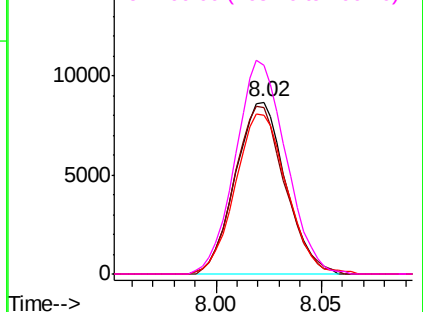
Abundance

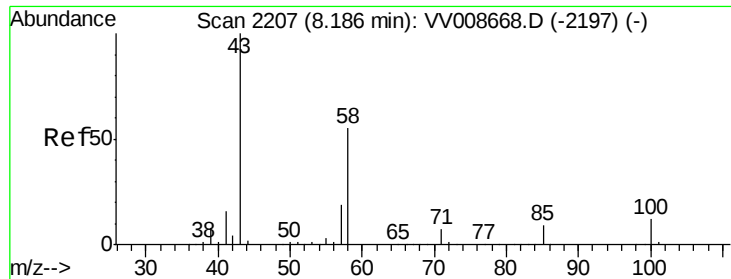
Ion 164.00 (163.70 to 164.70): V

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

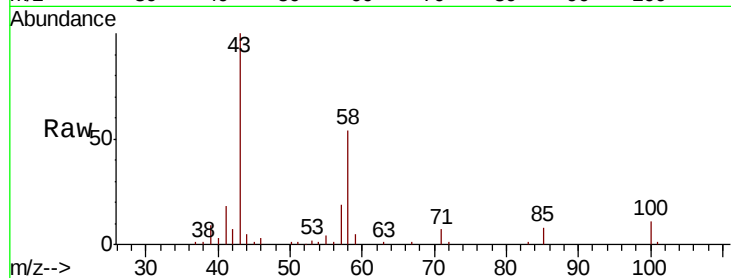




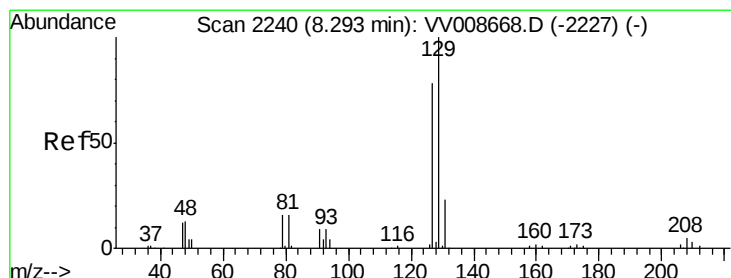
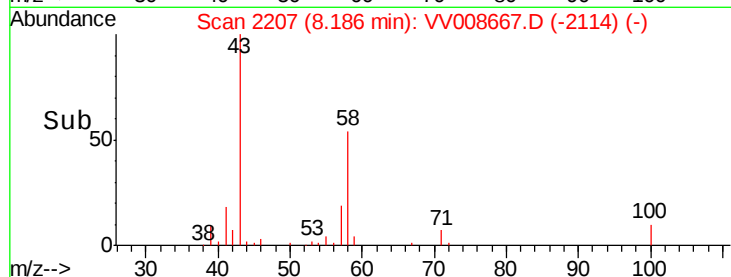
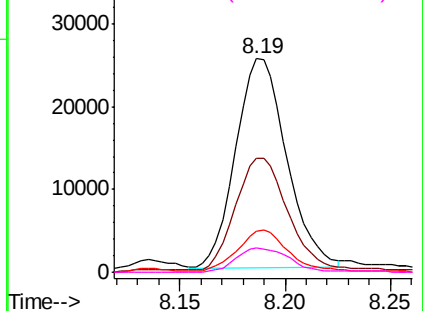
#48
2-Hexanone
Concen: 20.024 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Tgt Ion:	43	Resp:	42401
Ion	Ratio	Lower	Upper
43	100		
58	58.4	43.3	64.9
57	20.5	15.0	22.4
100	11.9	9.1	13.7

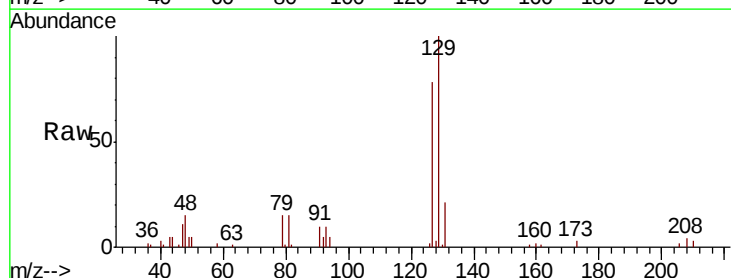


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

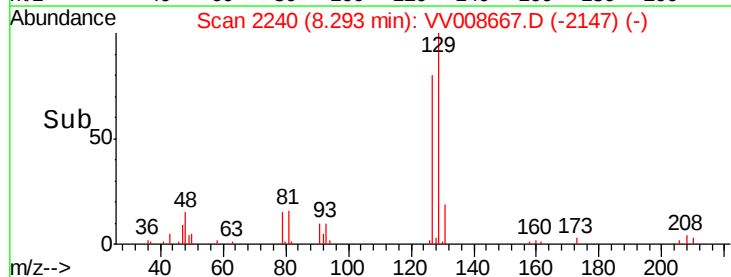
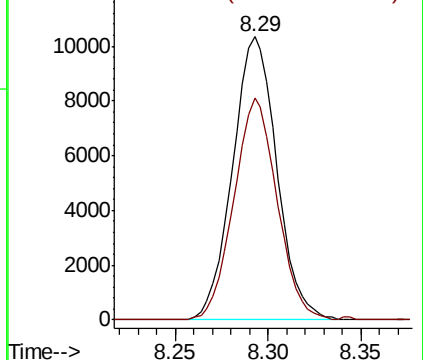


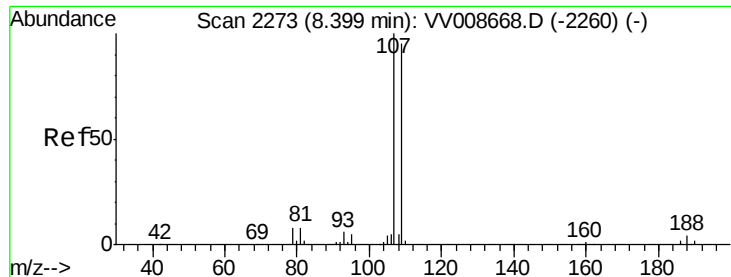
#49
Dibromochloromethane
Concen: 9.055 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Tgt Ion:	129	Resp:	17151
Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.9	102.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

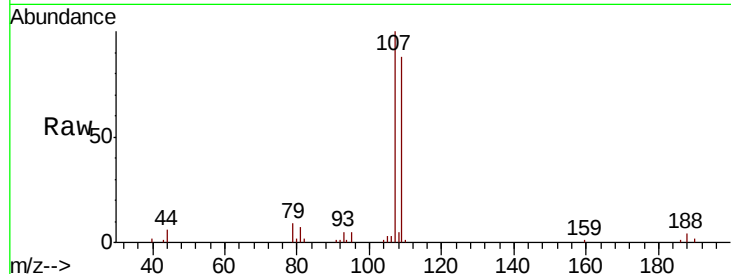




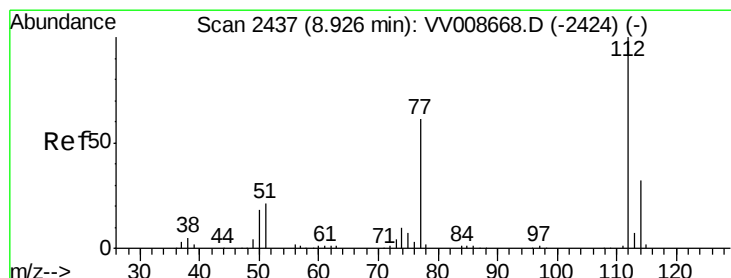
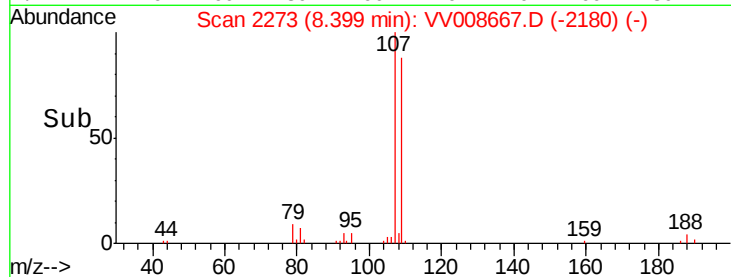
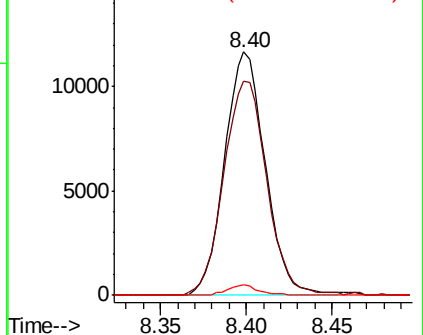
#50
1,2-Dibromoethane
Concen: 10.198 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Tgt Ion:107 Resp: 19190
Ion Ratio Lower Upper
107 100
109 88.2 66.2 123.0
188 4.3 2.9 4.3

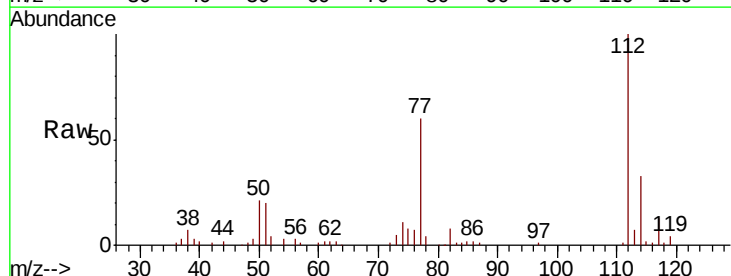


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

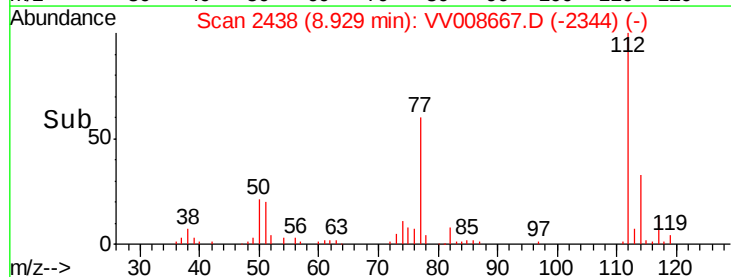
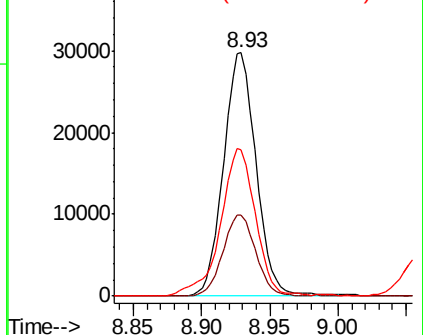


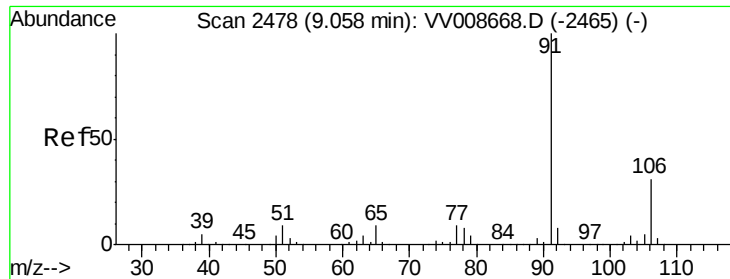
#51
Chlorobenzene
Concen: 10.154 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Tgt Ion:112 Resp: 49443
Ion Ratio Lower Upper
112 100
114 33.2 22.3 41.3
77 60.0 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: 9.665 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

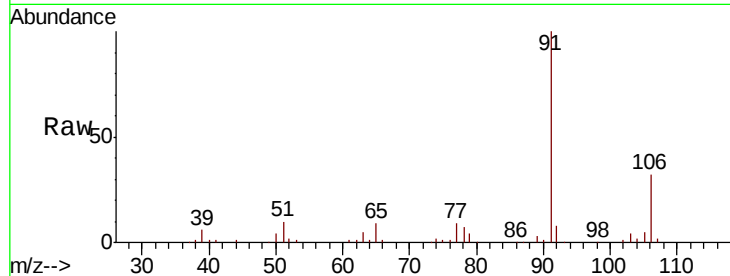
VSTD01070

Tgt Ion: 91 Resp: 82576

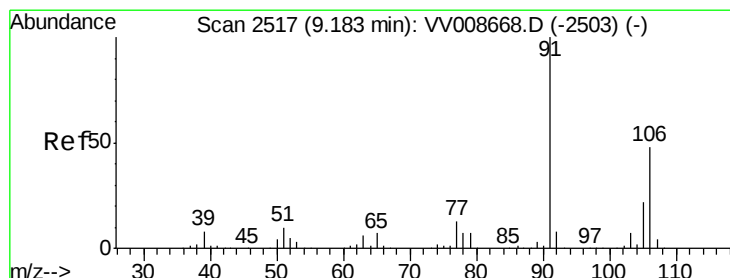
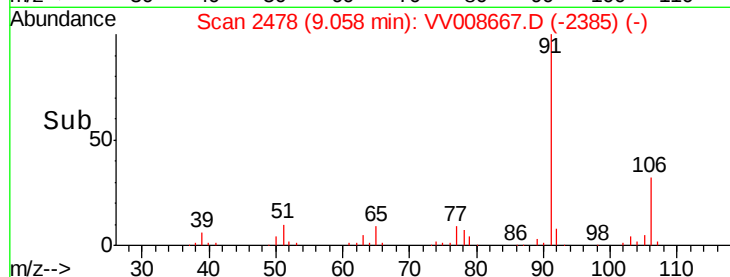
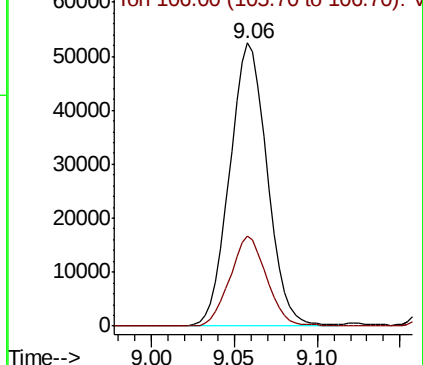
Ion Ratio Lower Upper

91 100

106 32.0 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VV008667.D (-2465) (-)



#53

m,p-Xylene

Concen: 9.681 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008667.D

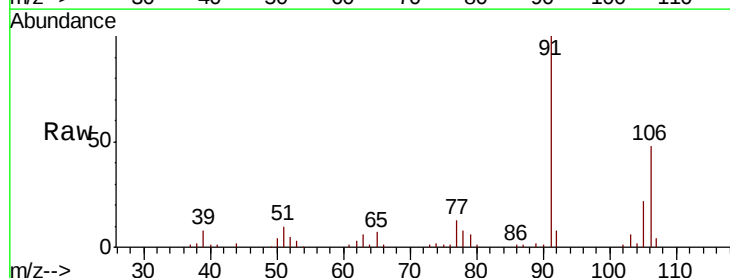
Acq: 20 Nov 2018 11:44

Tgt Ion: 106 Resp: 30312

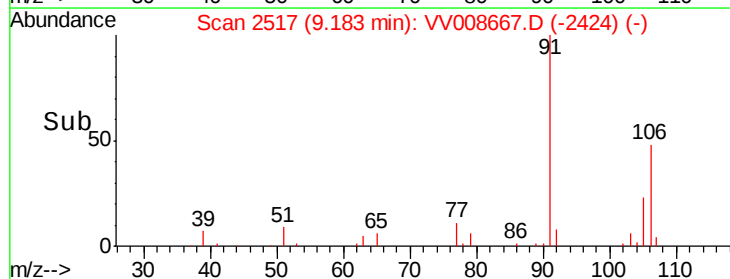
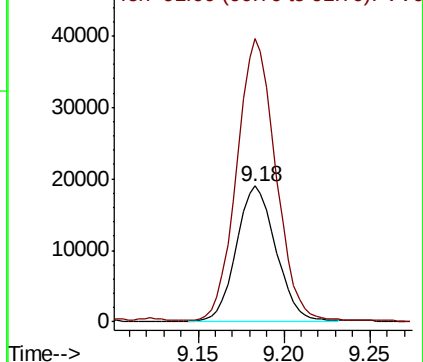
Ion Ratio Lower Upper

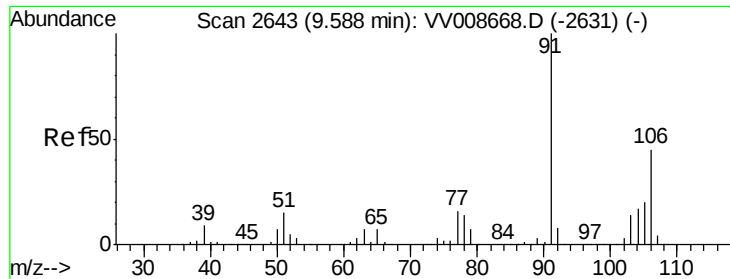
106 100

91 208.5 145.3 269.8



Abundance Ion 106.00 (105.70 to 106.70): VV008667.D (-2424) (-)

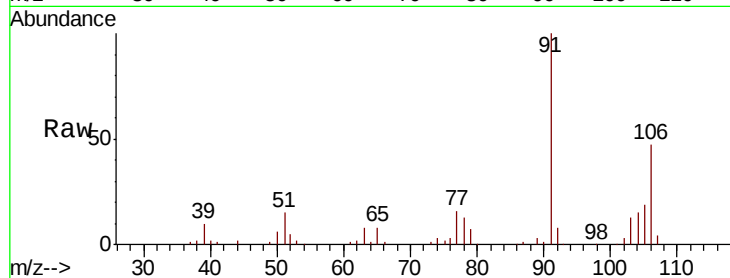




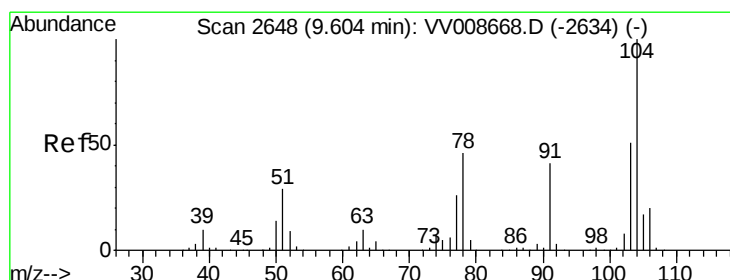
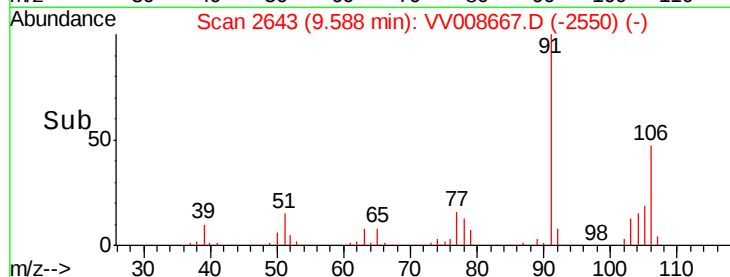
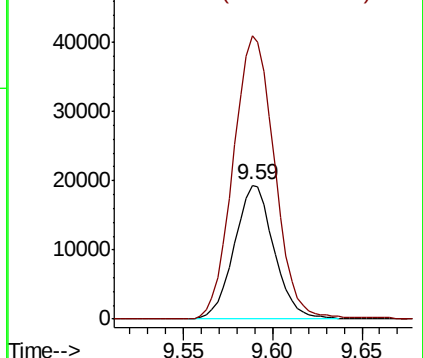
#54
o-xylene
Concen: 9.659 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD01070

Tgt Ion:106 Resp: 29983
Ion Ratio Lower Upper
106 100
91 211.5 157.2 292.0

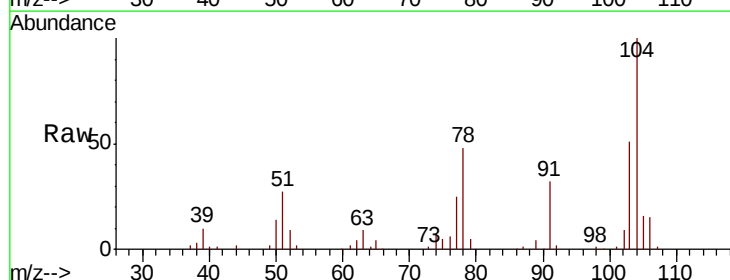


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

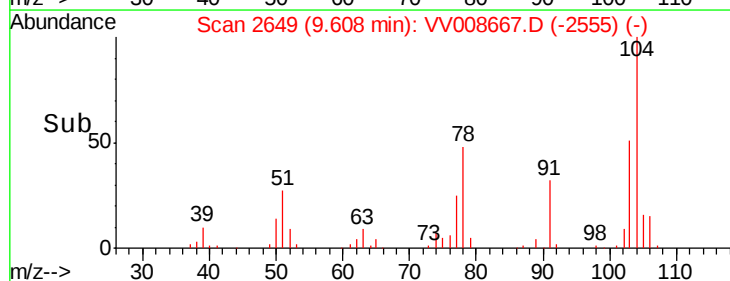
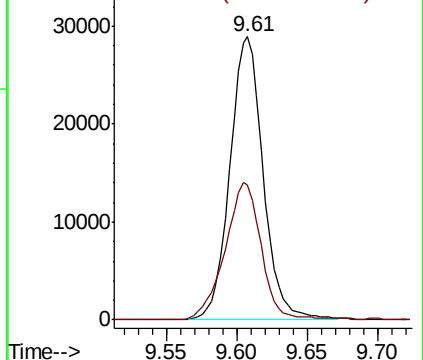


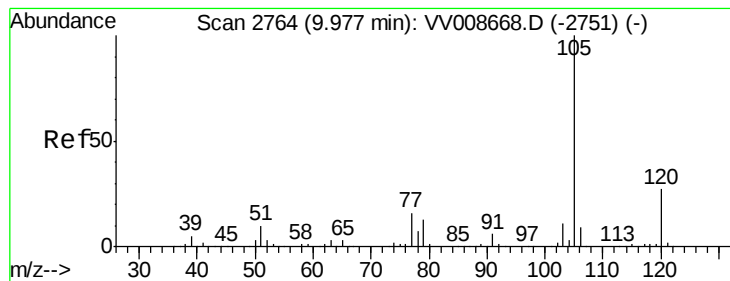
#55
Styrene
Concen: 9.339 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008667.D
Acq: 20 Nov 2018 11:44

Tgt Ion:104 Resp: 47741
Ion Ratio Lower Upper
104 100
78 47.7 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: 9.513 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

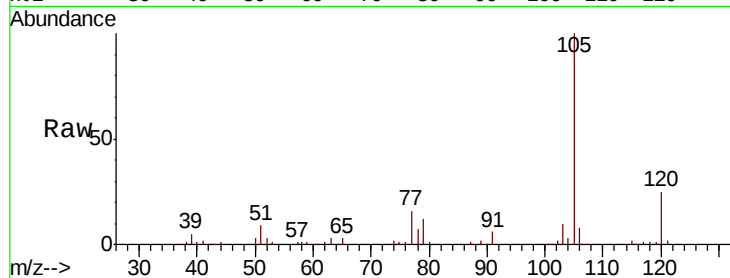
Tgt Ion:105 Resp: 77736

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

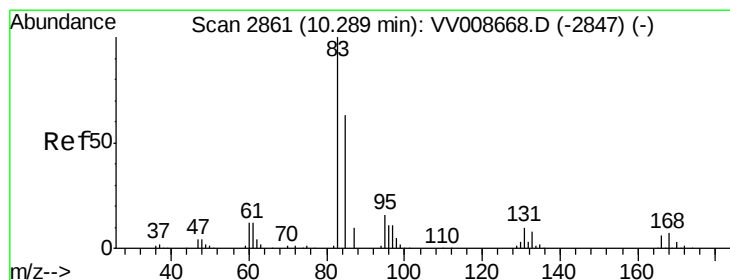
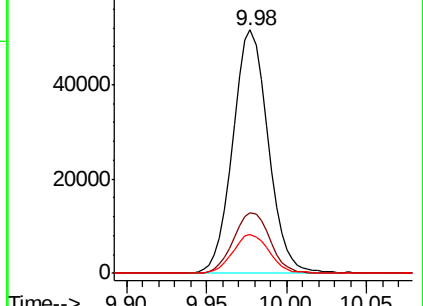
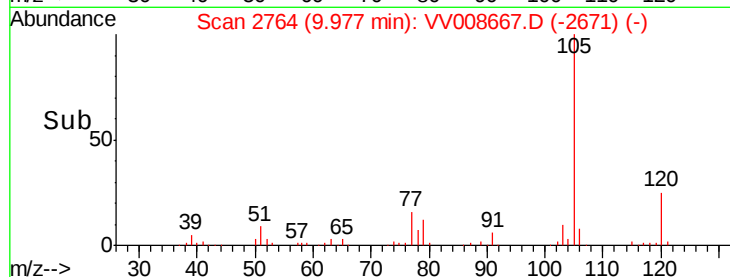
77 16.6 12.9 19.3



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.305 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

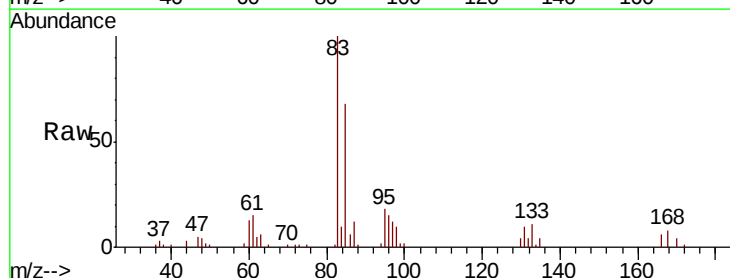
Tgt Ion: 83 Resp: 30525

Ion Ratio Lower Upper

83 100

85 68.3 44.3 82.3

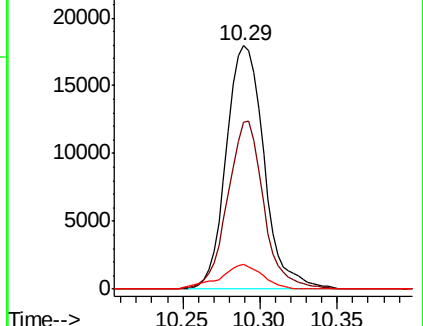
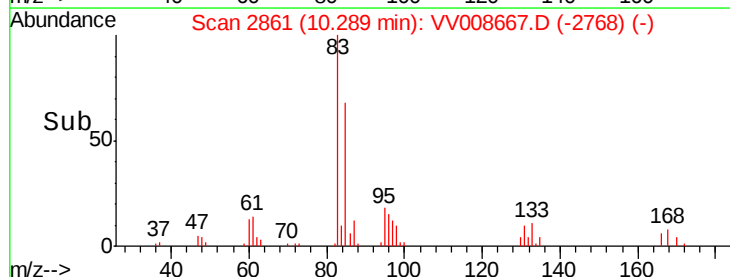
131 10.0 8.2 12.2

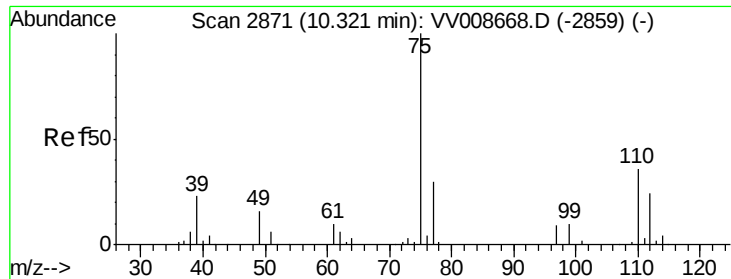


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

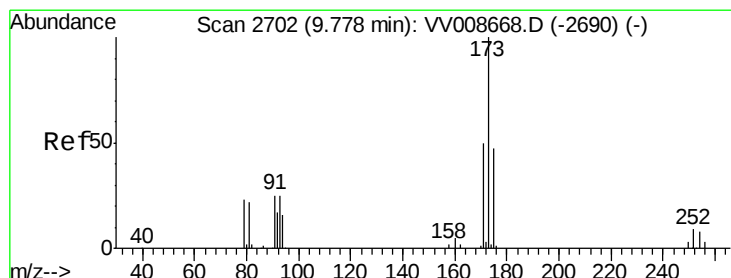
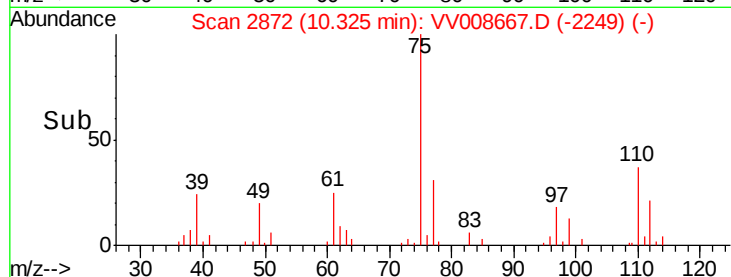
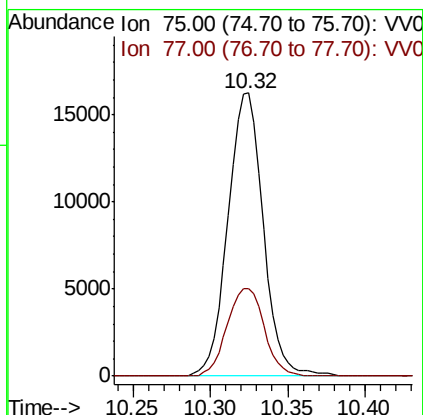
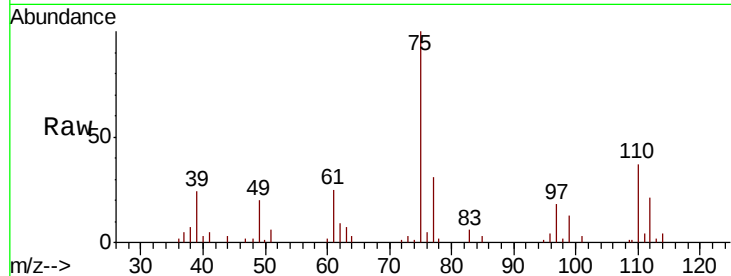




#59
 1,2,3-Trichloropropane
 Concen: 10.533 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

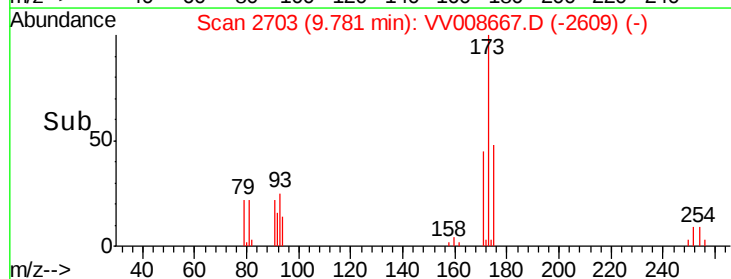
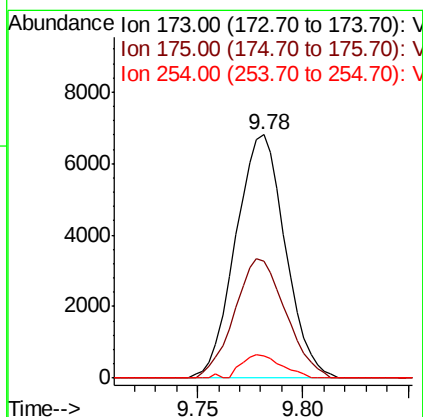
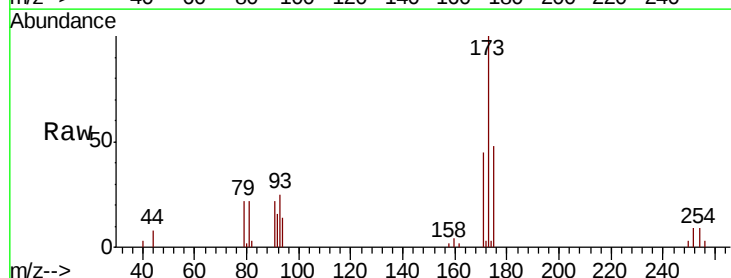
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

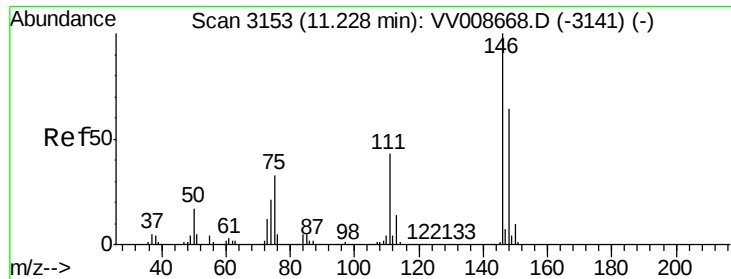
Tgt Ion: 75 Resp: 25718
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6



#61
 Bromoform
 Concen: 9.159 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Tgt Ion: 173 Resp: 11120
 Ion Ratio Lower Upper
 173 100
 175 50.6 37.5 56.3
 254 7.7 6.8 10.2

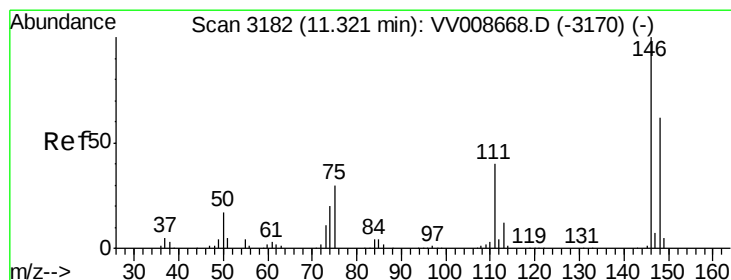
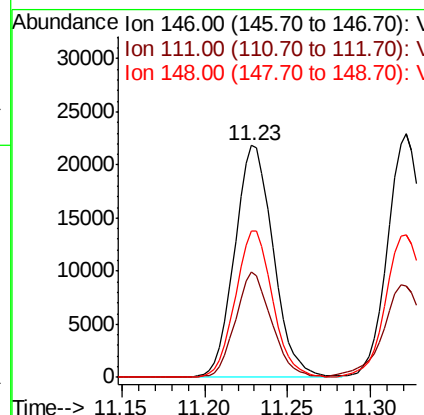
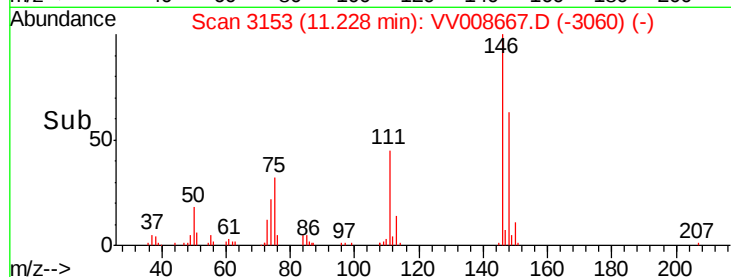
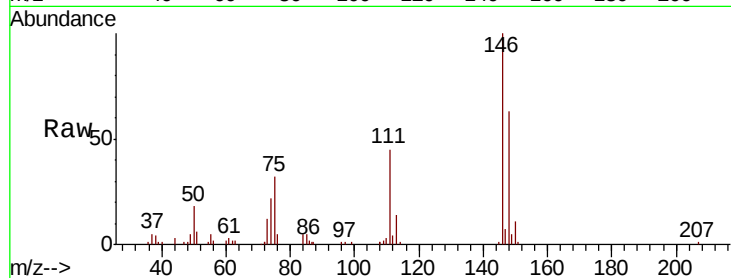




#62
 1,3-Dichlorobenzene
 Concen: 10.392 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

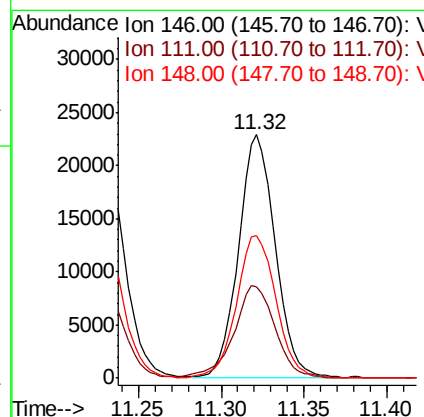
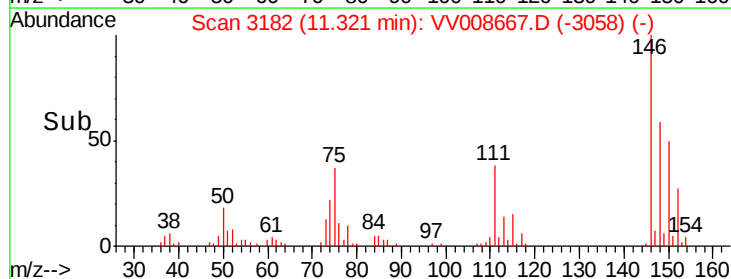
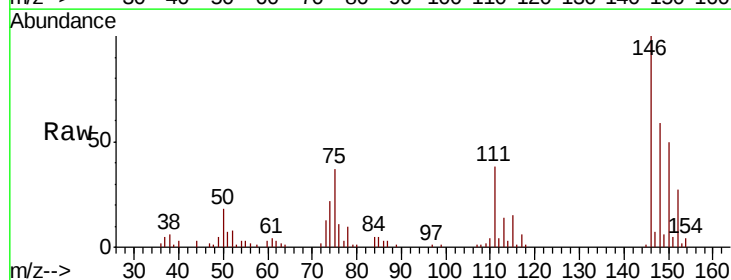
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

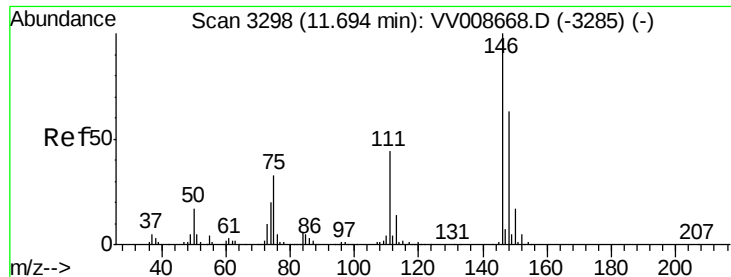
Tgt Ion:146 Resp: 35382
 Ion Ratio Lower Upper
 146 100
 111 45.2 30.0 55.8
 148 62.9 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 10.375 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Tgt Ion:146 Resp: 35458
 Ion Ratio Lower Upper
 146 100
 111 37.7 28.1 52.3
 148 58.6 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 10.534 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

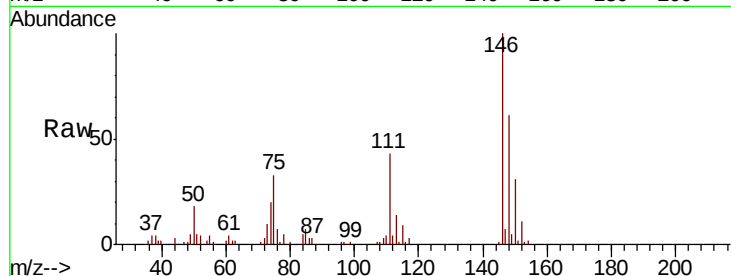
Tgt Ion:146 Resp: 36670

Ion Ratio Lower Upper

146 100

111 42.8 35.3 52.9

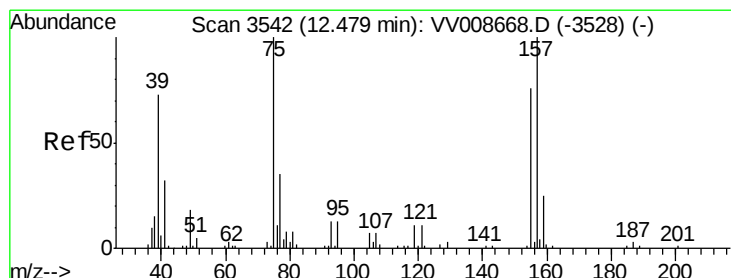
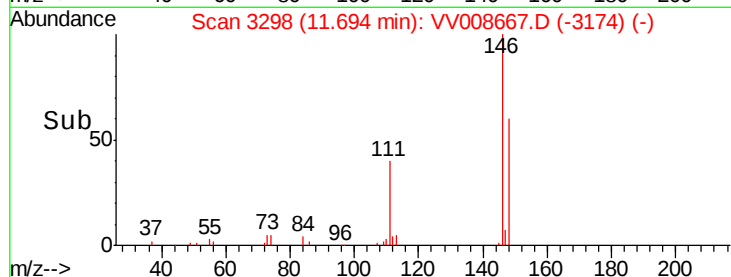
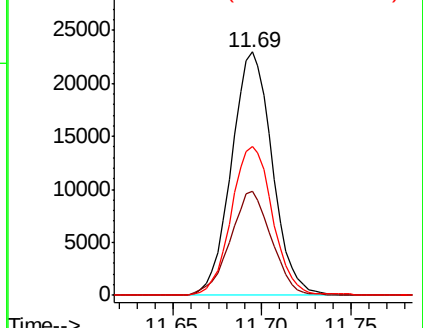
148 60.9 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 9.585 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

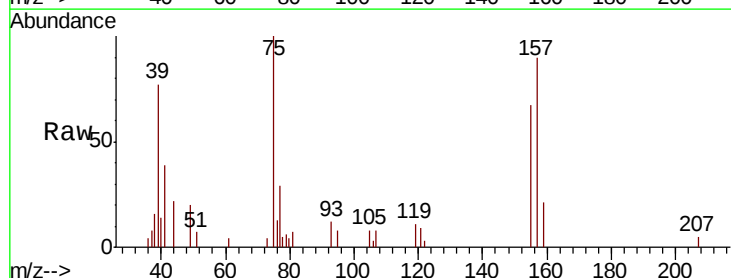
Tgt Ion: 75 Resp: 5813

Ion Ratio Lower Upper

75 100

155 67.3 61.0 91.6

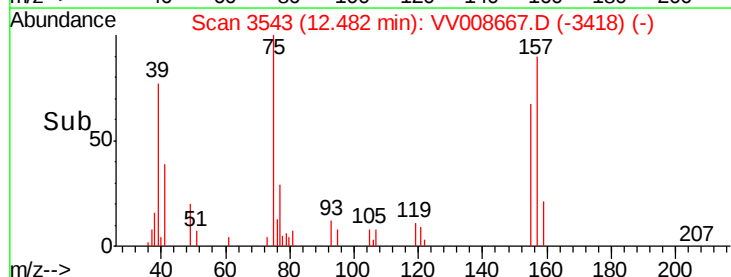
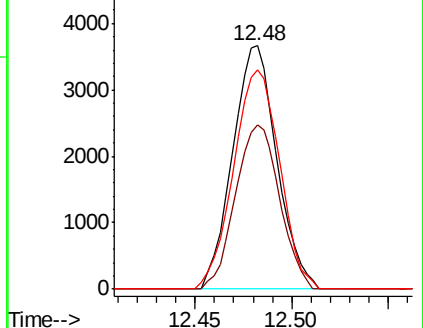
157 90.3 79.9 119.9

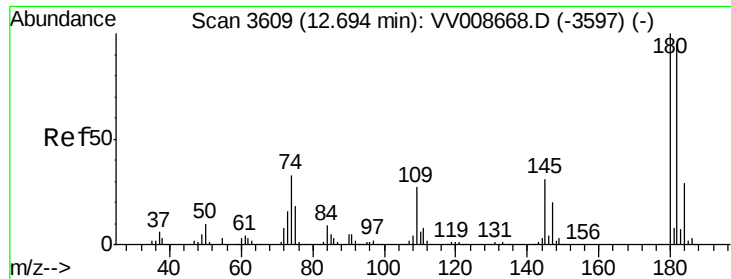


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

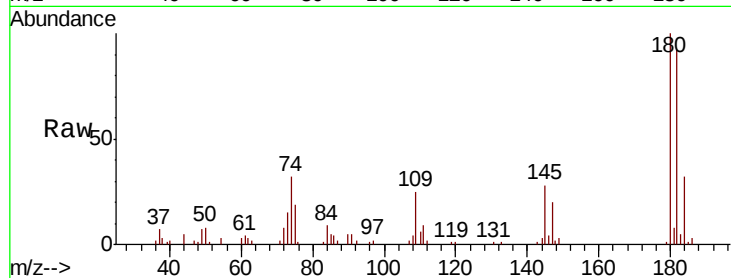




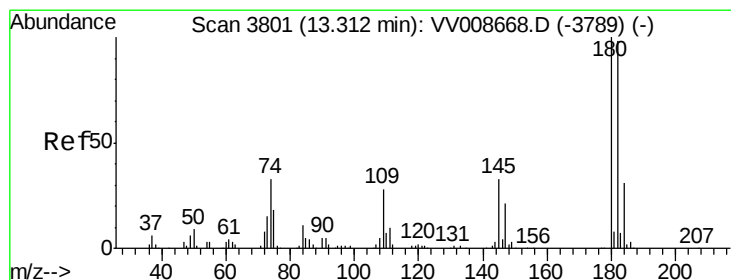
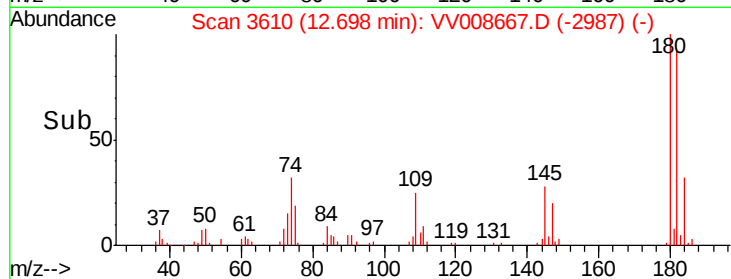
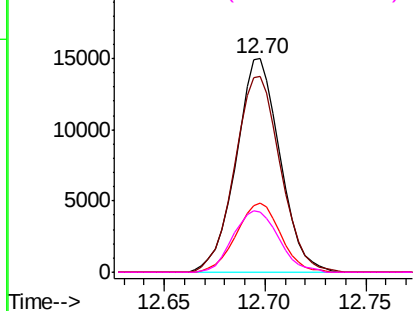
#67
 1,3,5-Trichlorobenzene
 Concen: 9.756 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01070

Tgt Ion:180 Resp: 22832
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.4
 184 32.7 23.8 35.8
 145 30.2 25.5 38.3

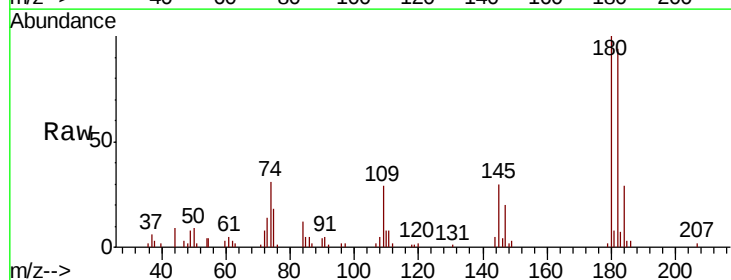


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

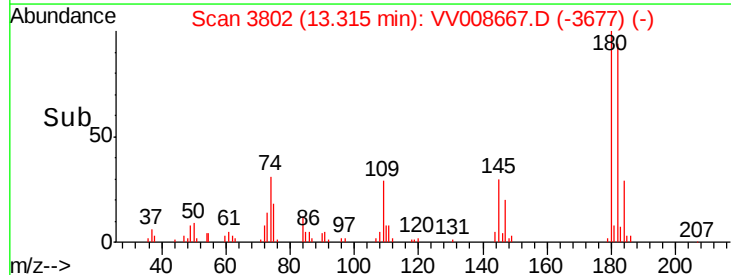
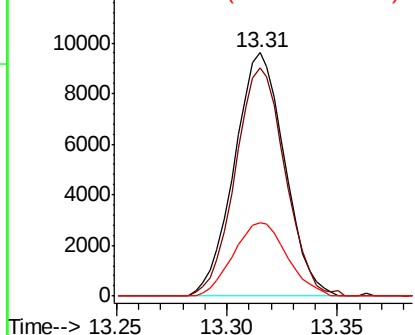


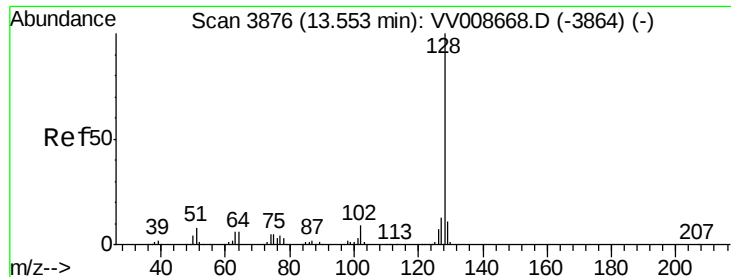
#68
 1,2,4-trichlorobenzene
 Concen: 8.290 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008667.D
 Acq: 20 Nov 2018 11:44

Tgt Ion:180 Resp: 15190
 Ion Ratio Lower Upper
 180 100
 182 92.9 77.4 116.2
 145 32.1 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: 7.439 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD01070

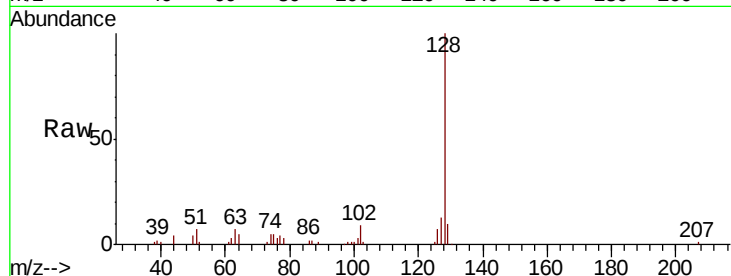
Tgt Ion:128 Resp: 39463

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

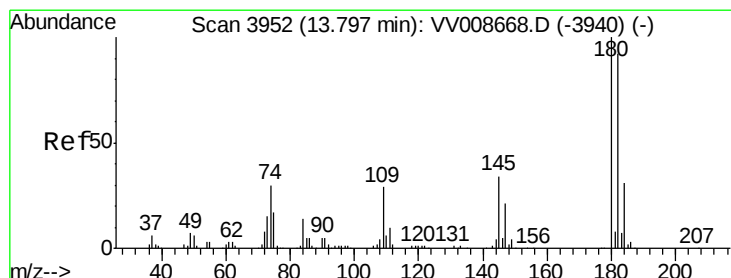
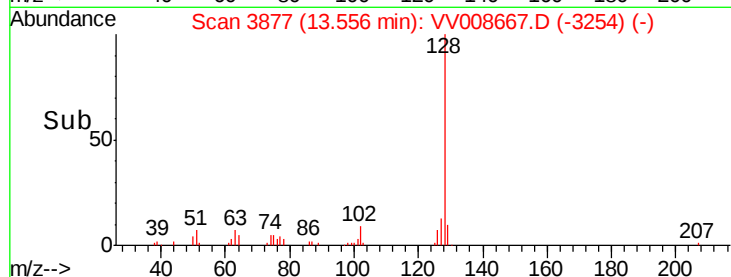
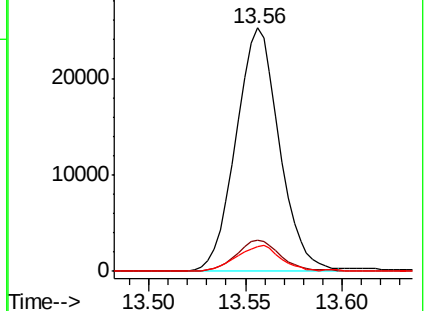
129 10.8 8.8 13.2



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: 8.975 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008667.D

Acq: 20 Nov 2018 11:44

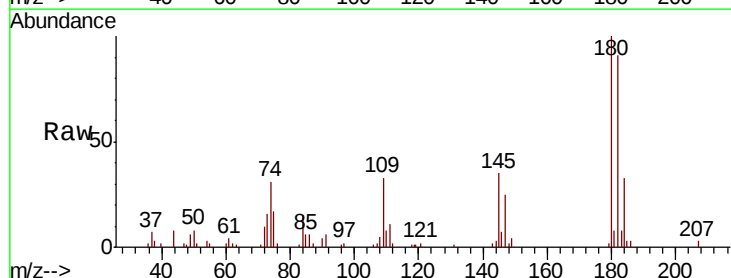
Tgt Ion:180 Resp: 16596

Ion Ratio Lower Upper

180 100

182 91.6 75.6 113.4

145 33.1 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

