

Data File : VV006117.D

Acq On : 31 May 2018 20:03

Operator : SY/MD

Sample : VSTD01064

Misc : 25 mL/MSVOA_V/WATER

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Quant Time: Jun 01 07:54:29 2018

Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 01 07:29:00 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	304708	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	274407	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	134046	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	162851	7.06	ug/L	0.00
7) Chloroethane-d5	1.58	69	132353	7.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	320590	6.88	ug/L	0.00
20) 2-Butanone-d5	3.98	46	391168	81.46	ug/L	0.02
24) Chloroform-d	4.41	84	319770	7.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	153687	8.06	ug/L	0.00
32) Benzene-d6	5.10	84	650203	8.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	195602	8.23	ug/L	0.00
41) Toluene-d8	7.36	98	616097	8.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	86057	9.83	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	396887	100.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	143801	8.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	224589	8.66	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	169613	4.92	ug/L	100
3) Chloromethane	1.26	50	197924	5.57	ug/L	98
5) Vinyl chloride	1.32	62	230488	5.91	ug/L	100
6) Bromomethane	1.54	94	125978	6.19	ug/L	95
8) Chloroethane	1.60	64	127802	5.90	ug/L	99
9) Trichlorofluoromethane	1.77	101	301650	6.10	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	181753	6.20	ug/L	99
12) 1,1-Dichloroethene	2.14	96	170777	6.05	ug/L	92
13) Acetone	2.23	43	227065	50.59	ug/L	97
14) Carbon disulfide	2.32	76	572404	6.37	ug/L	100
15) Methyl Acetate	2.48	43	63108	5.35	ug/L	97
16) Methylene chloride	2.54	84	175600	5.53	ug/L	99
17) Methyl tert-butyl Ether	2.82	73	433997	6.33	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	188170	6.09	ug/L	98
19) 1,1-Dichloroethane	3.23	63	318880	5.59	ug/L	100
21) 2-Butanone	4.06	43	377218	53.08	ug/L	94
22) cis-1,2-Dichloroethene	3.97	96	204730	6.41	ug/L #	98
23) Bromochloromethane	4.31	128	82801	6.24	ug/L	96
25) Chloroform	4.43	83	325735	5.94	ug/L	99
27) 1,2-Dichloroethane	5.19	62	191429	5.83	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	296913	6.65	ug/L	100
30) Cyclohexane	4.73	56	305316	6.71	ug/L	99
31) Carbon tetrachloride	4.88	117	261845	6.57	ug/L	100
33) Benzene	5.15	78	745507	6.32	ug/L	100
34) Trichloroethene	5.96	95	201040	6.37	ug/L	99
35) Methylcyclohexane	6.18	83	348107	7.41	ug/L	99
37) 1,2-Dichloropropane	6.23	63	176095	5.73	ug/L	100
38) Bromodichloromethane	6.56	83	239450	6.82	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	291930	7.22	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	931594	56.89	ug/L	99

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Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 01 07:29:00 2018

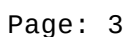
Response via : Initial Calibration

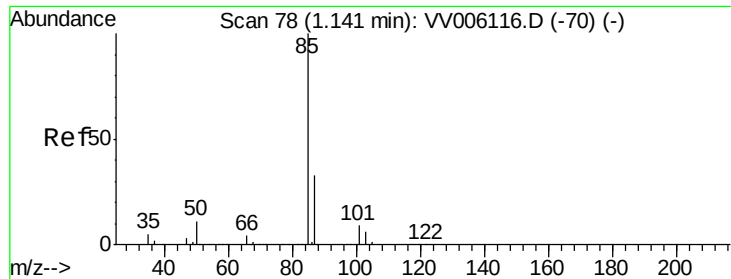
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	824302	6.75	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	238405	7.28	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	124111	6.30	ug/L	99
47) Tetrachloroethene	8.02	164	164789	6.48	ug/L	99
48) 2-Hexanone	8.20	43	661090	56.83	ug/L	99
49) Dibromochloromethane	8.30	129	160112	6.99	ug/L	99
50) 1,2-Dibromoethane	8.40	107	118512	6.53	ug/L	100
51) Chlorobenzene	8.93	112	535977	6.73	ug/L	100
52) Ethylbenzene	9.06	91	932003	7.20	ug/L	99
53) m,p-xylene	9.19	106	362521	7.39	ug/L	98
54) o-xylene	9.59	106	354300	7.43	ug/L	100
55) Styrene	9.61	104	593942	7.48	ug/L	98
56) Isopropylbenzene	9.98	105	940440	7.57	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	143205	6.27	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	100418	5.95	ug/L	100
61) Bromoform	9.78	173	90489	6.97	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	418930	6.97	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	411094	6.70	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	384730	6.61	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	25170	7.48	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	327317	6.85	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	267511	7.24	ug/L	100
69) Naphthalene	13.56	128	470181	8.59	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	242188	7.01	ug/L	100

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.92 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

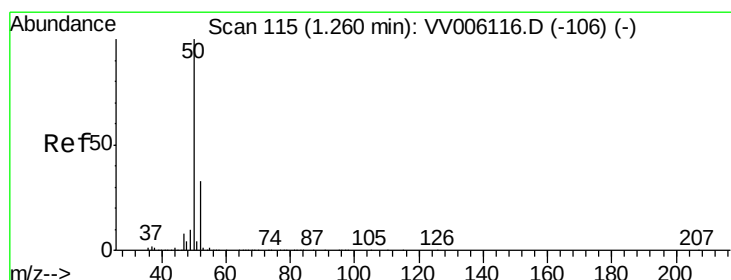
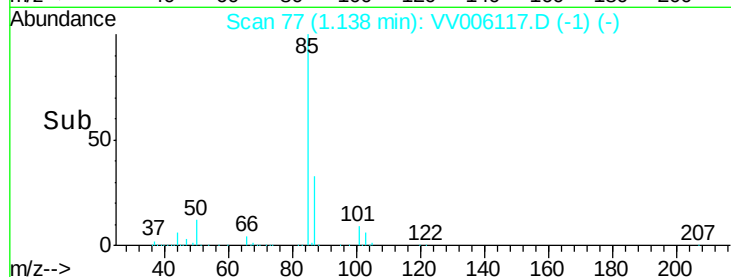
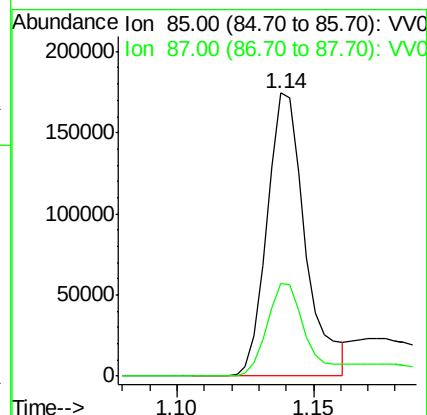
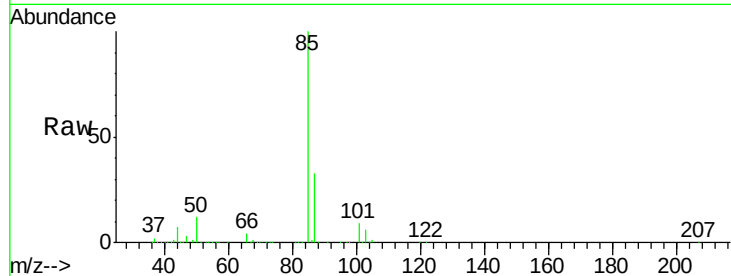
VSTD01064

Tgt Ion: 85 Resp: 169613

Ion Ratio Lower Upper

85 100

87 32.8 26.2 39.4



#3

Chloromethane

Concen: 5.57 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.00 min

Lab File: VV006117.D

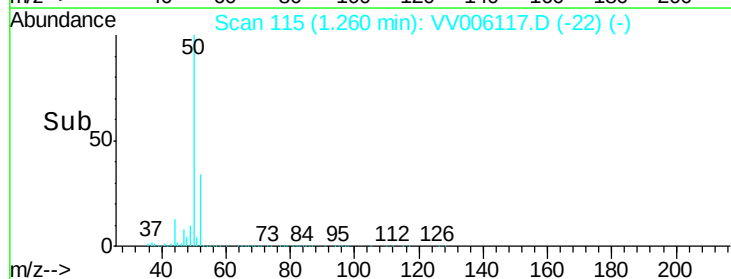
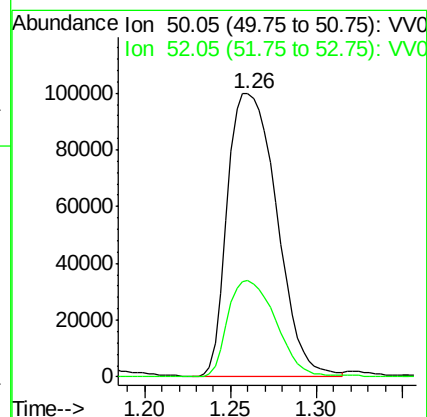
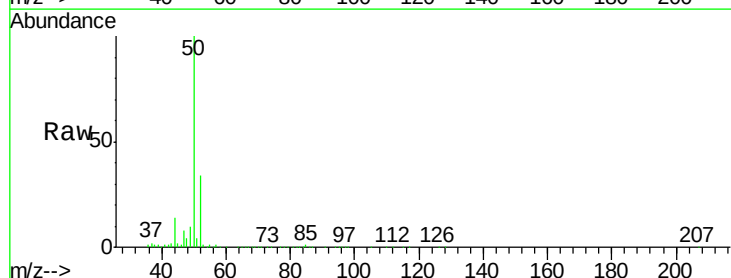
Acq: 31 May 2018 20:03

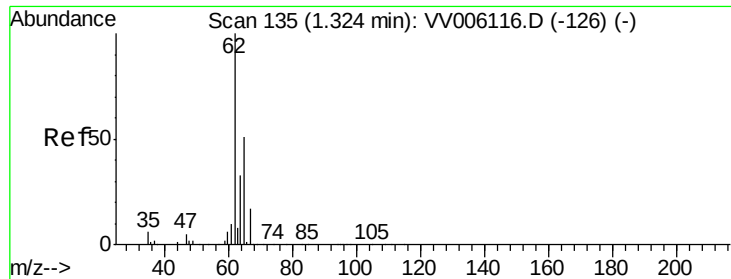
Tgt Ion: 50 Resp: 197924

Ion Ratio Lower Upper

50 100

52 34.0 23.0 42.8





#5

Vinyl chloride

Concen: 5.91 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

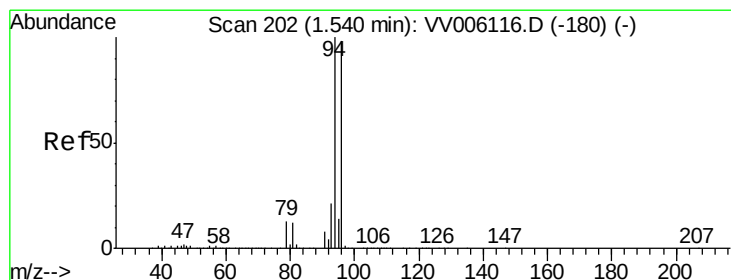
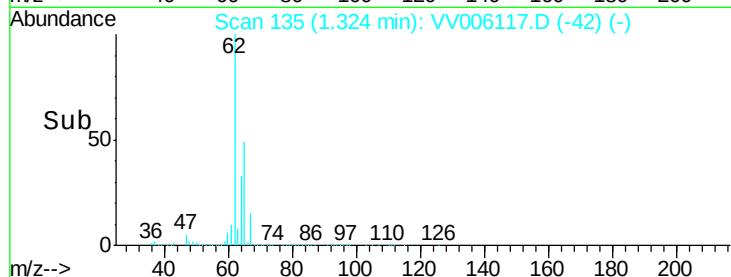
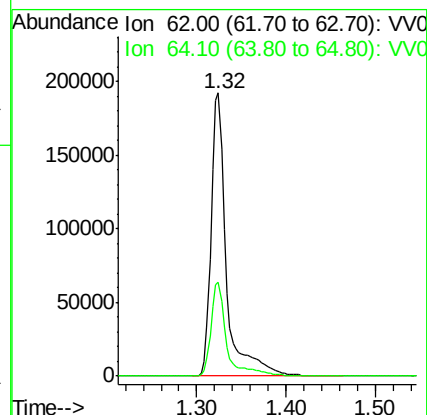
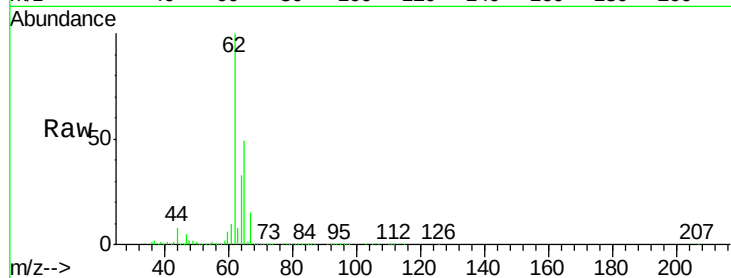
VSTD01064

Tgt Ion: 62 Resp: 230488

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 6.19 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006117.D

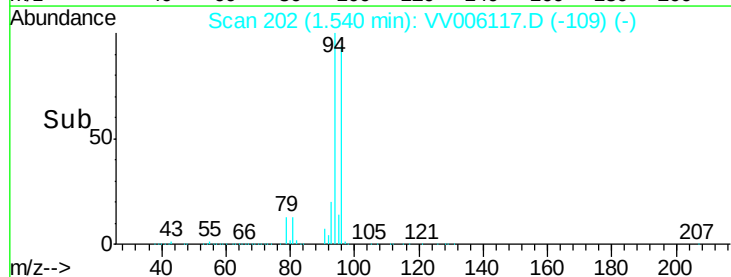
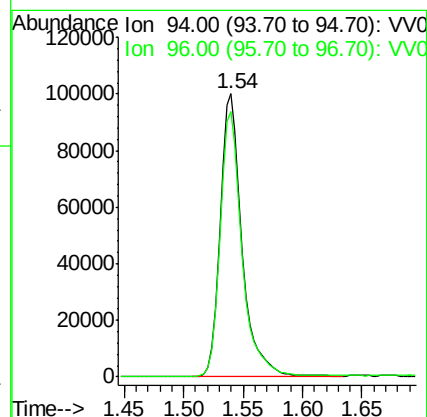
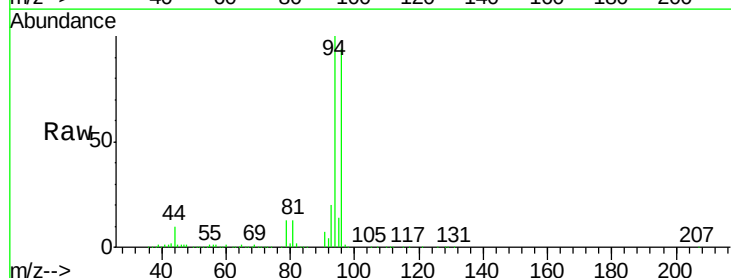
Acq: 31 May 2018 20:03

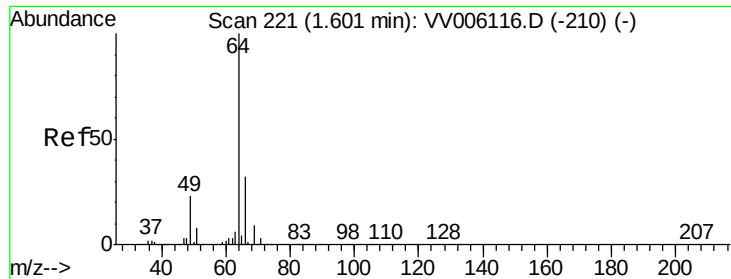
Tgt Ion: 94 Resp: 125978

Ion Ratio Lower Upper

94 100

96 93.8 68.9 127.9

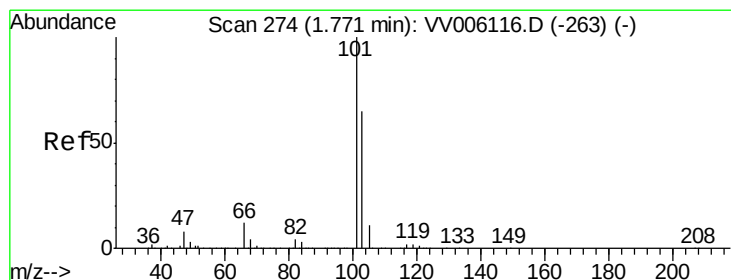
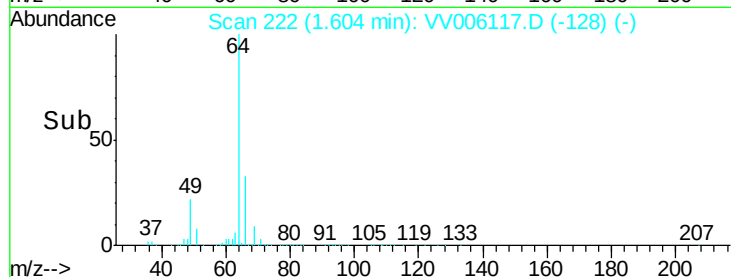
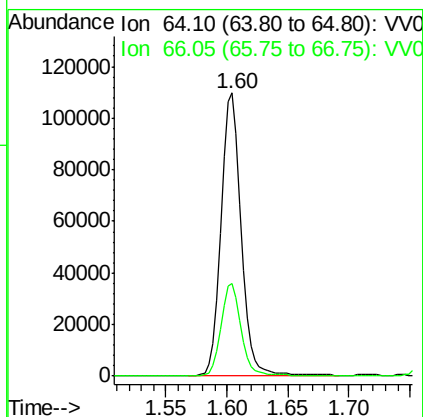
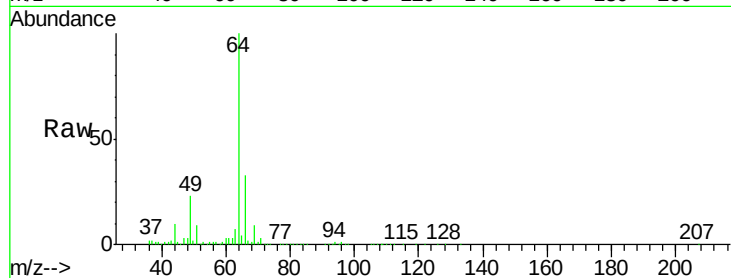




#8
Chloroethane
Concen: 5.90 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

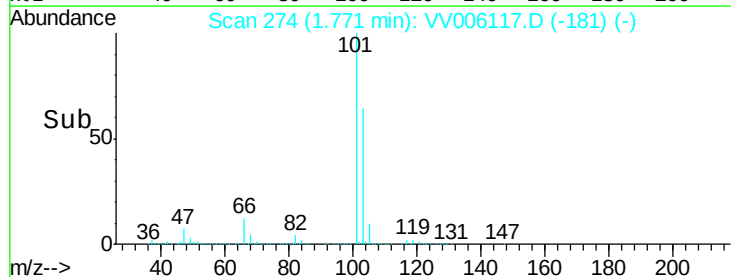
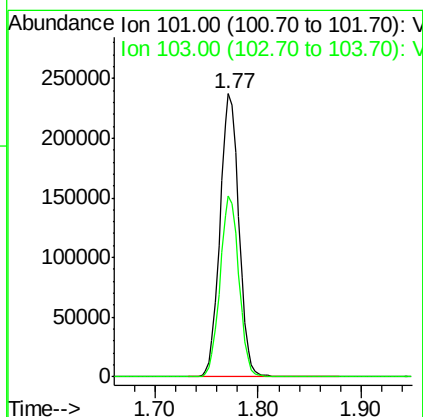
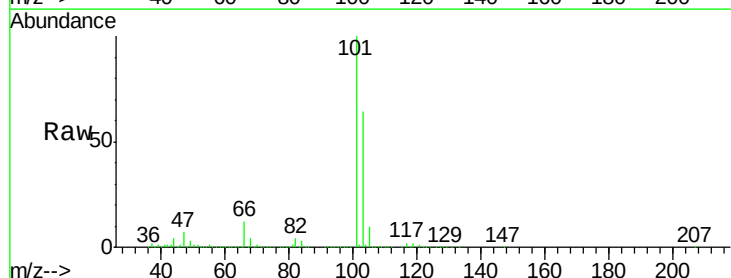
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

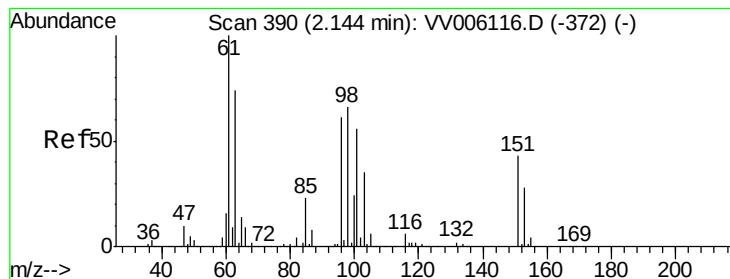
Tgt Ion: 64 Resp: 127802
Ion Ratio Lower Upper
64 100
66 32.7 22.5 41.7



#9
Trichlorofluoromethane
Concen: 6.10 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Tgt Ion: 101 Resp: 301650
Ion Ratio Lower Upper
101 100
103 63.7 52.0 78.0





#10

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

Concen: 6.20 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

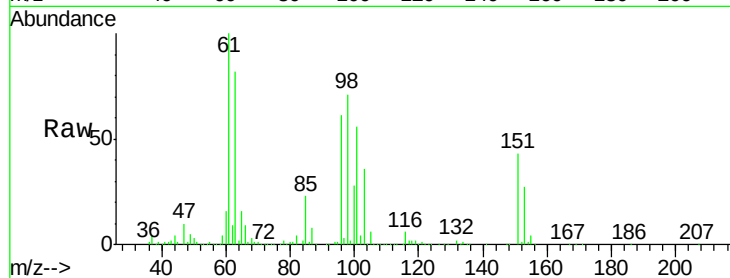
Tgt Ion: 101 Resp: 181753

Ion Ratio Lower Upper

101 100

85 41.5 32.6 49.0

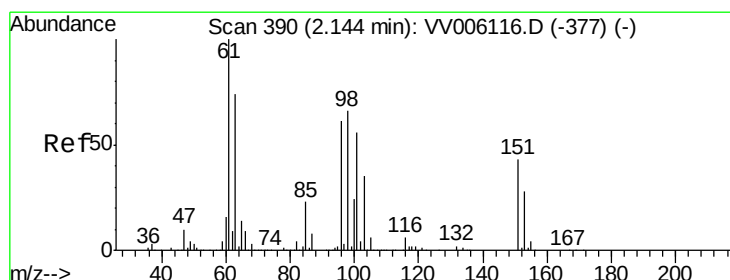
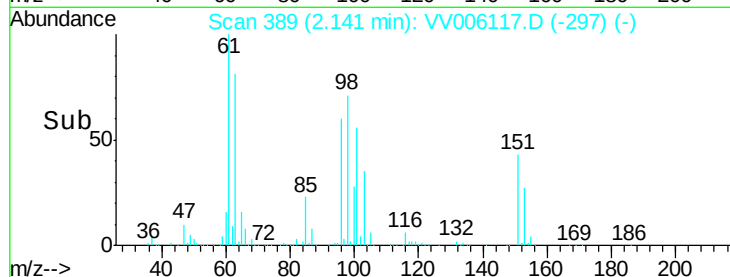
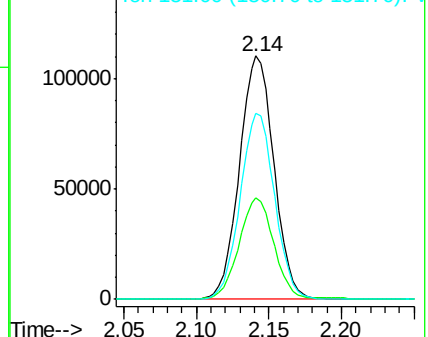
151 76.6 60.9 91.3



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: 6.05 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

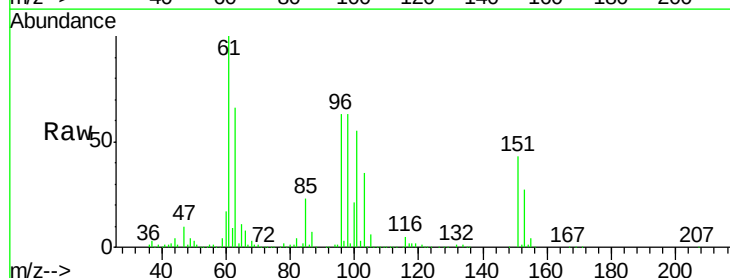
Tgt Ion: 96 Resp: 170777

Ion Ratio Lower Upper

96 100

61 159.7 114.2 212.2

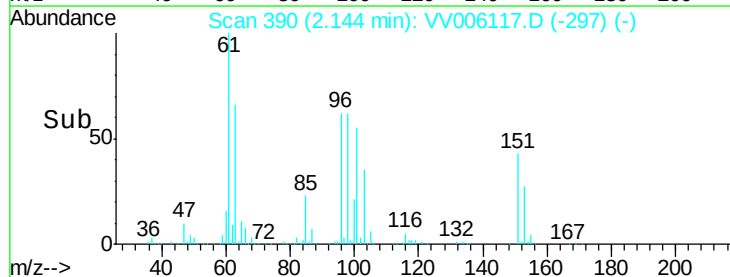
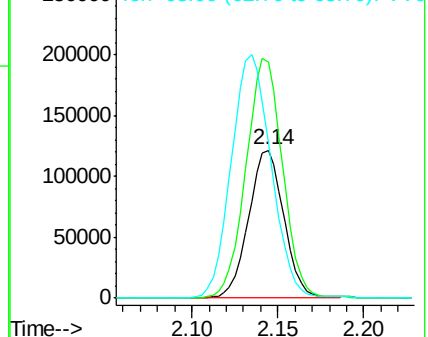
63 105.2 85.0 157.8

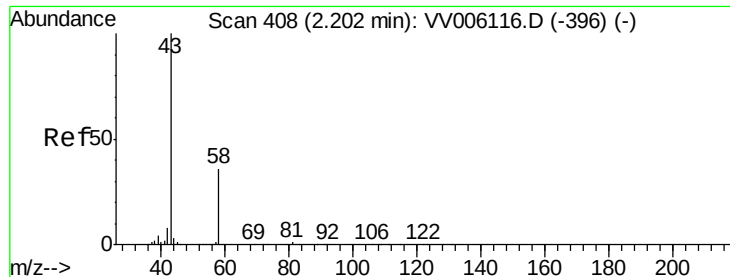


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.59 ug/L

RT: 2.23 min Scan# 417

Delta R.T. 0.03 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

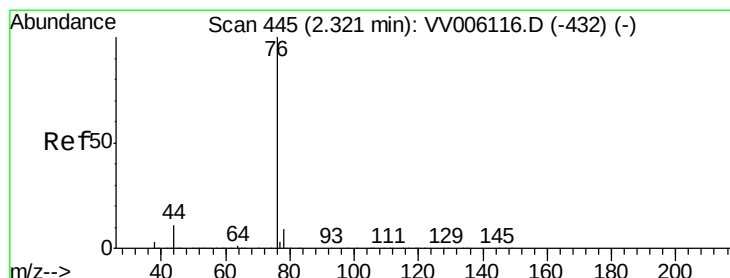
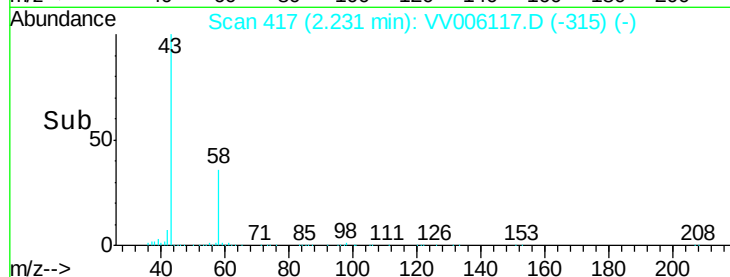
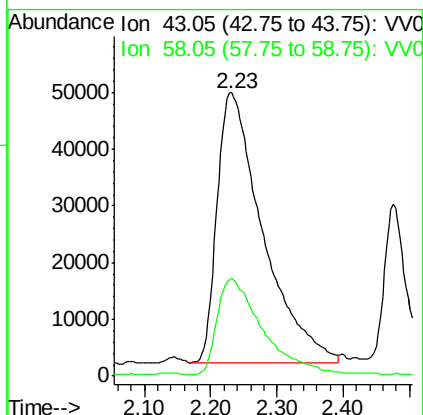
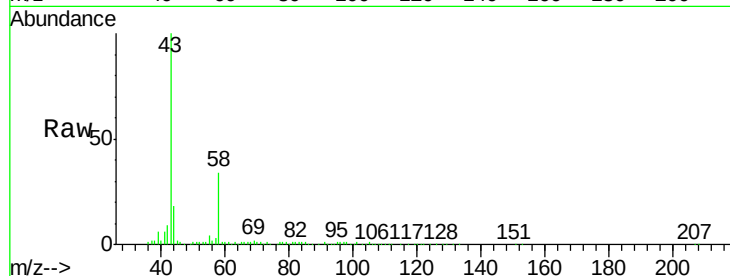
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion: 43 Resp: 227065

Ion Ratio Lower Upper

43 100

58 35.4 0.0 67.4



#14

Carbon disulfide

Concen: 6.37 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006117.D

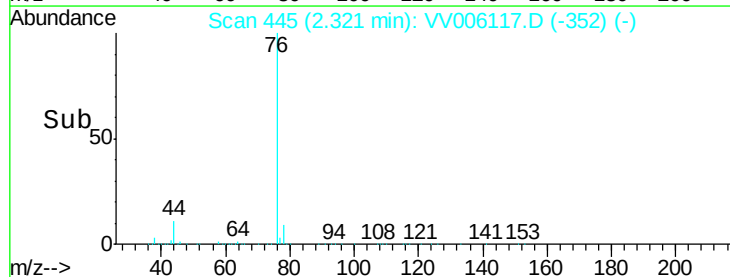
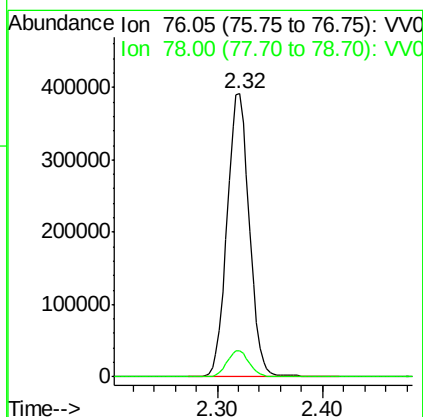
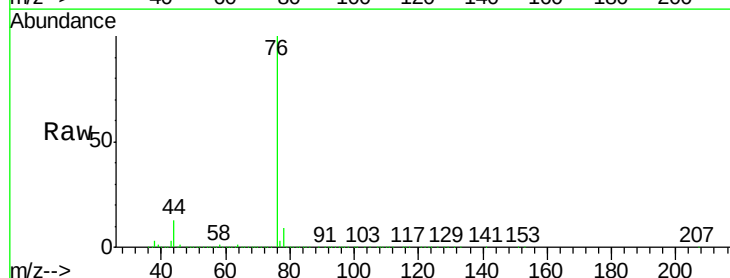
Acq: 31 May 2018 20:03

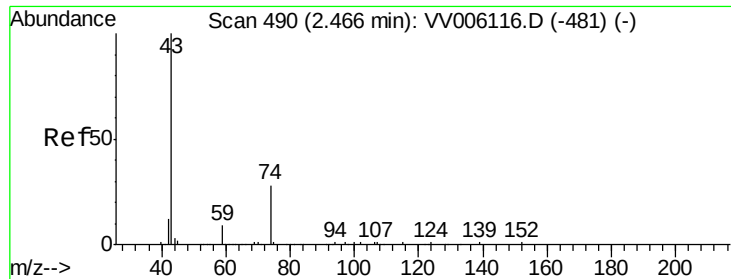
Tgt Ion: 76 Resp: 572404

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

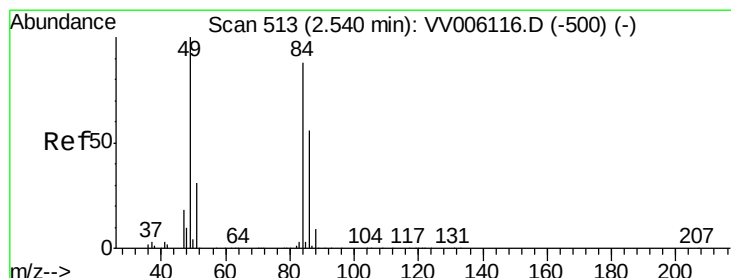
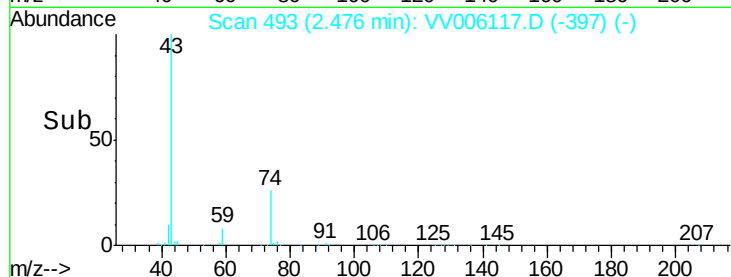
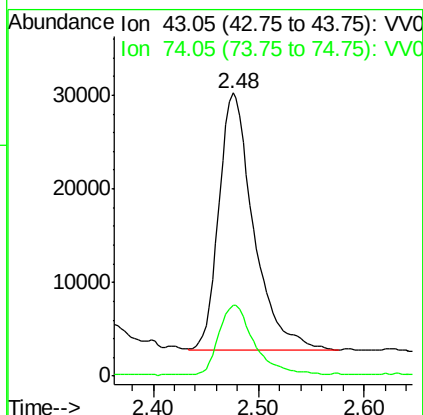
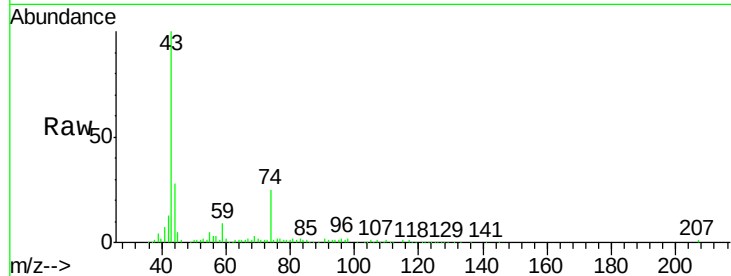




#15
Methyl Acetate
Concen: 5.35 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.01 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

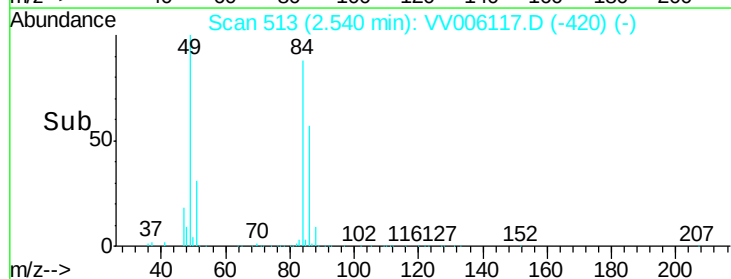
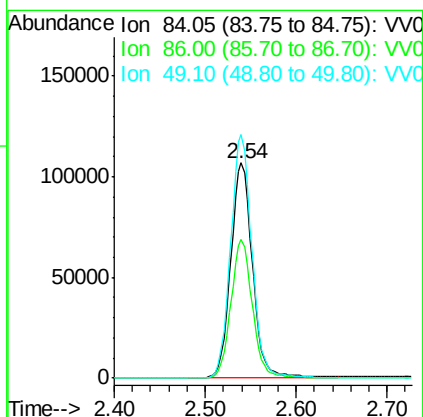
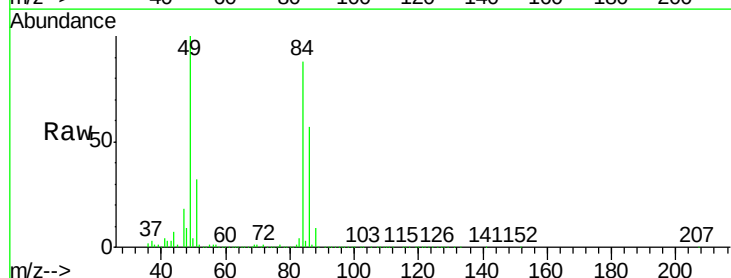
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

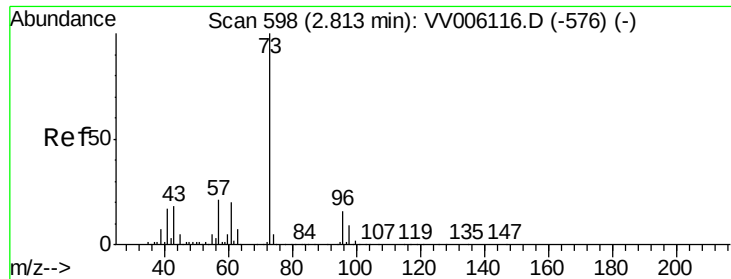
Tgt Ion: 43 Resp: 63108
Ion Ratio Lower Upper
43 100
74 27.6 23.4 35.0



#16
Methylene chloride
Concen: 5.53 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Tgt Ion: 84 Resp: 175600
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 113.1 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 6.33 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

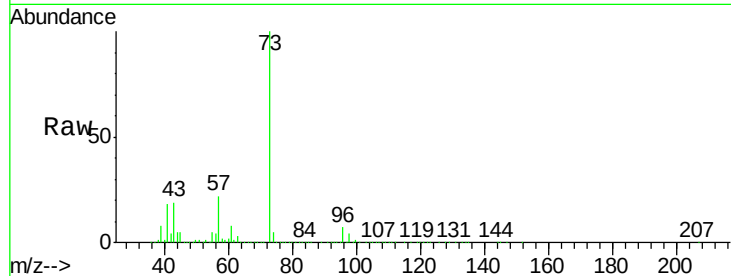
Tgt Ion: 73 Resp: 433997

Ion Ratio Lower Upper

73 100

43 17.5 14.2 21.4

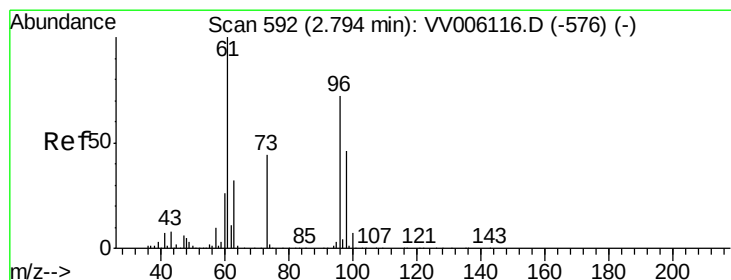
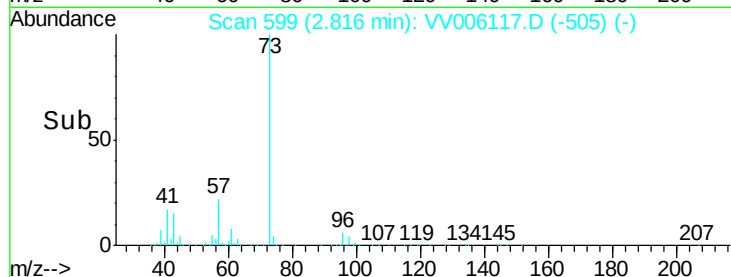
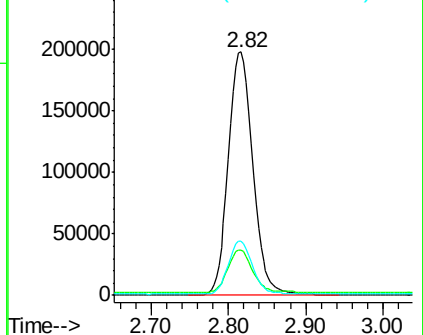
57 21.5 16.8 25.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 6.09 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

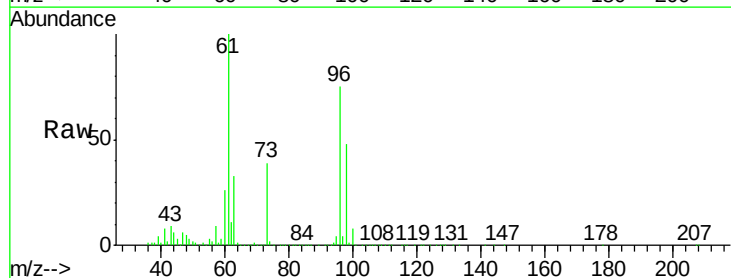
Tgt Ion: 96 Resp: 188170

Ion Ratio Lower Upper

96 100

61 133.7 96.3 178.9

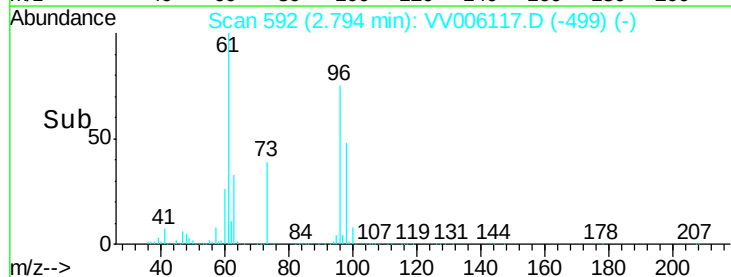
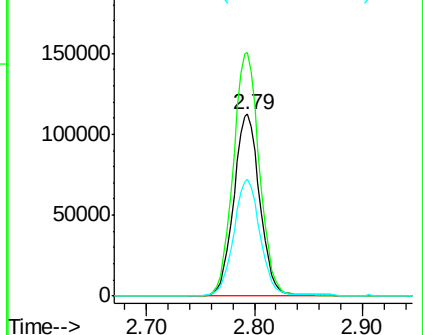
98 64.1 45.4 84.2

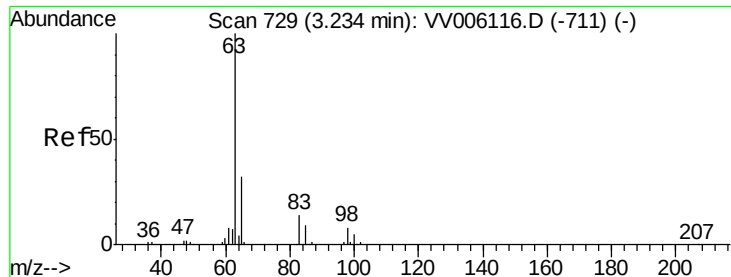


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

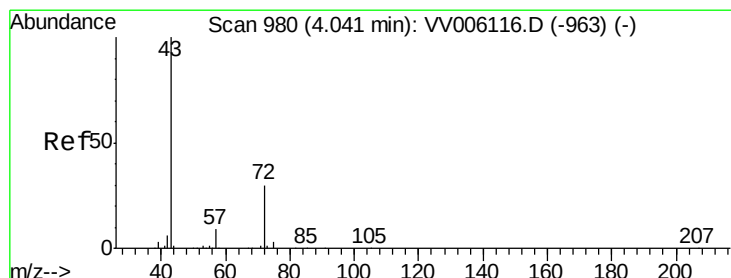
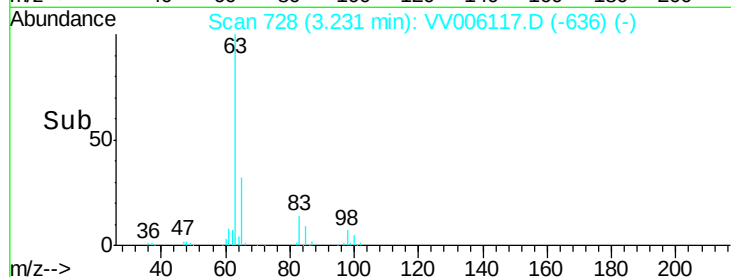
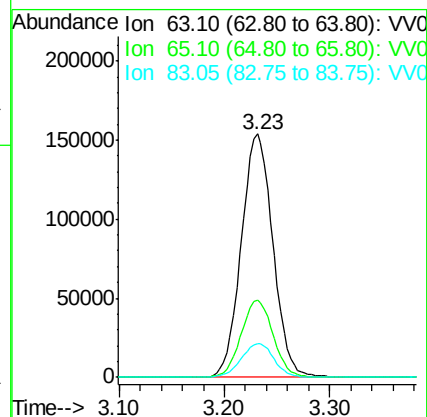
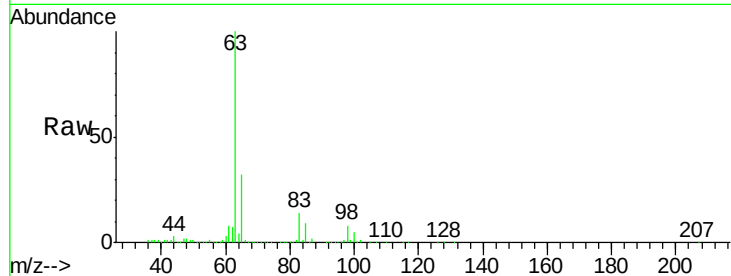




#19
 1,1-Dichloroethane
 Concen: 5.59 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

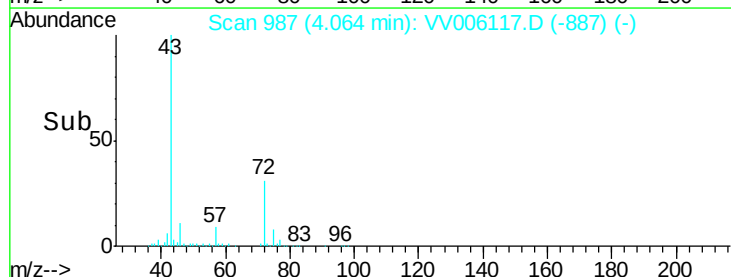
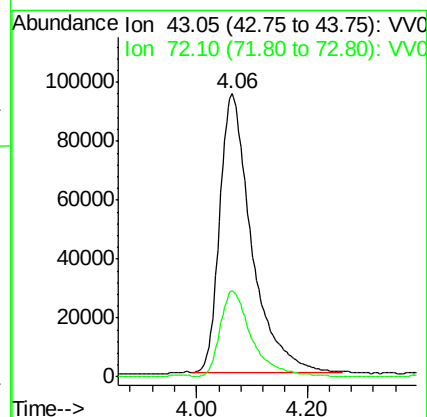
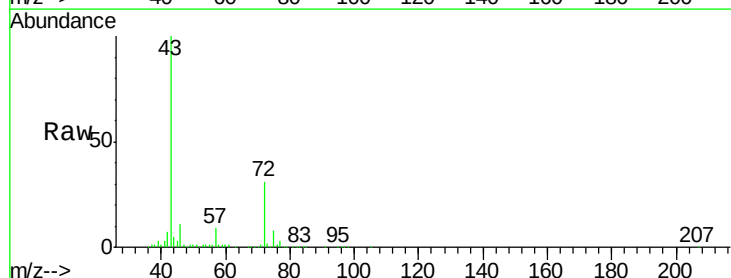
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

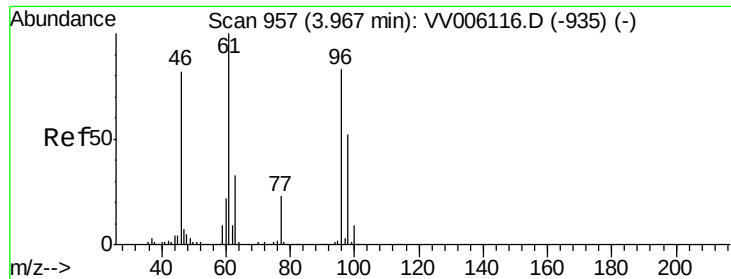
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.3	41.3
83	13.9	10.0	18.6



#21
 2-Butanone
 Concen: 53.08 ug/L
 RT: 4.06 min Scan# 987
 Delta R.T. 0.02 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.5	13.8	41.3



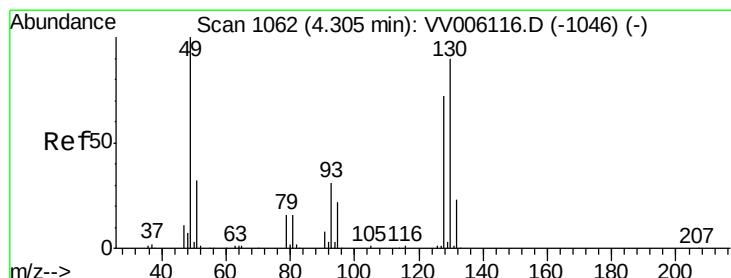
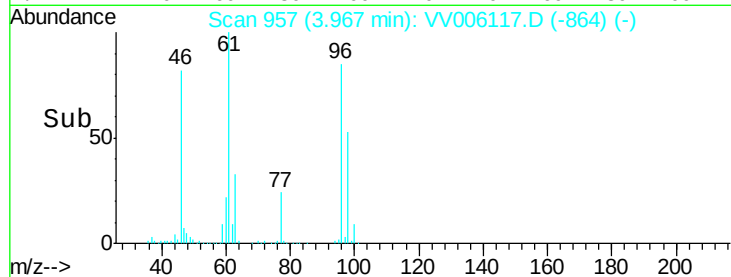
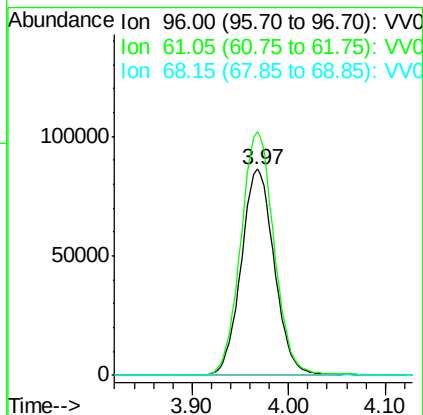
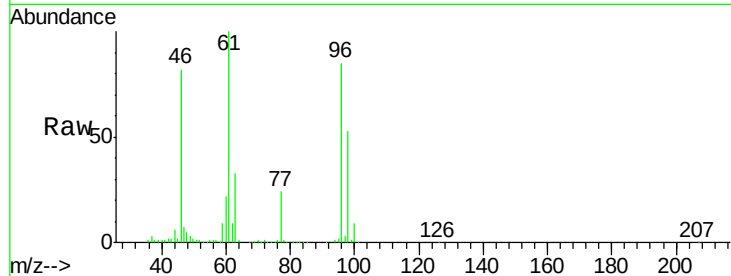


#22

cis-1,2-Dichloroethene
 Concen: 6.41 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

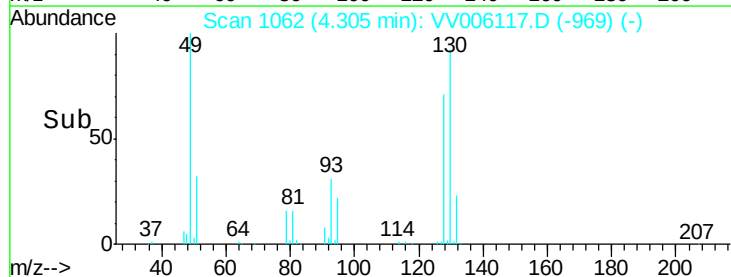
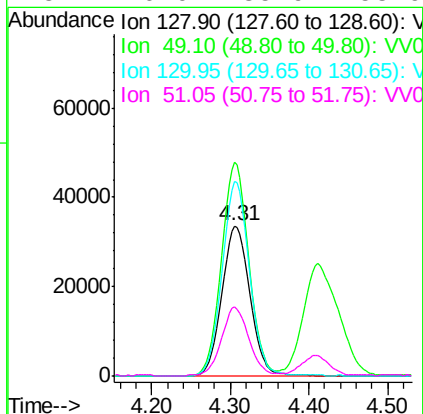
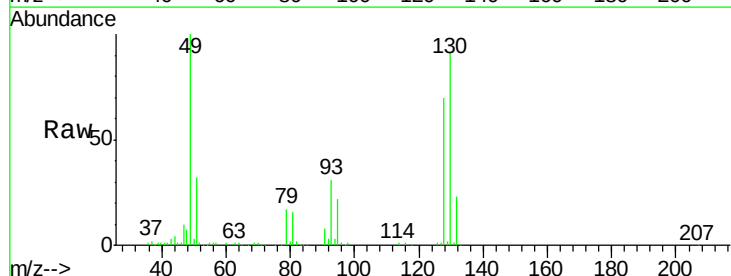
Tgt Ion: 96 Resp: 204730
 Ion Ratio Lower Upper
 96 100
 61 118.1 84.1 156.3
 68 0.2 0.3 0.5#

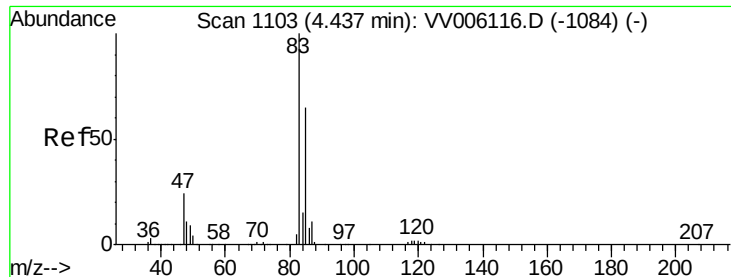


#23

Bromochloromethane
 Concen: 6.24 ug/L
 RT: 4.31 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Tgt Ion: 128 Resp: 82801
 Ion Ratio Lower Upper
 128 100
 49 142.3 97.1 180.3
 130 129.6 86.6 160.8
 51 46.0 35.9 53.9

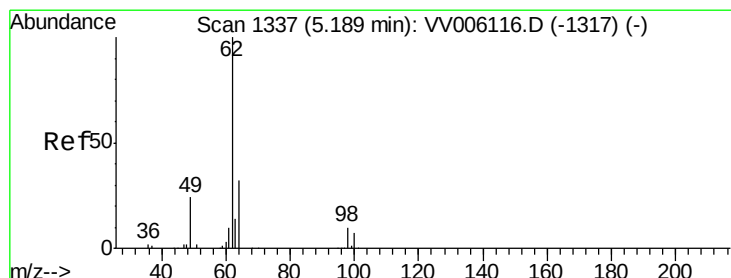
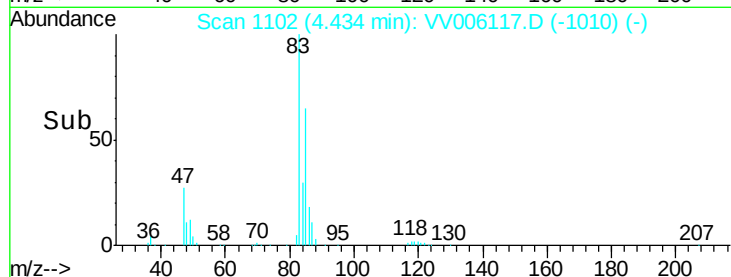
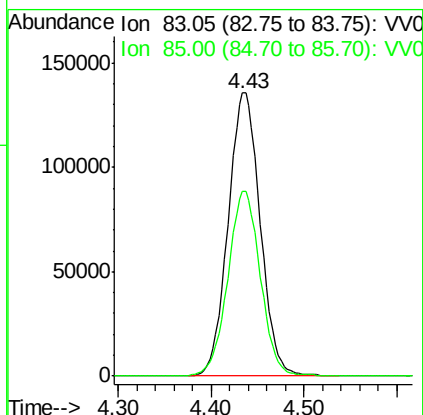
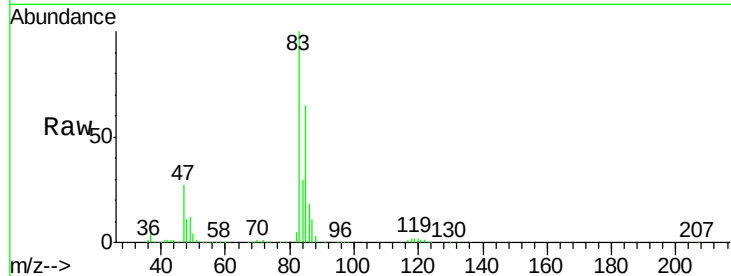




#25
Chloroform
Concen: 5.94 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

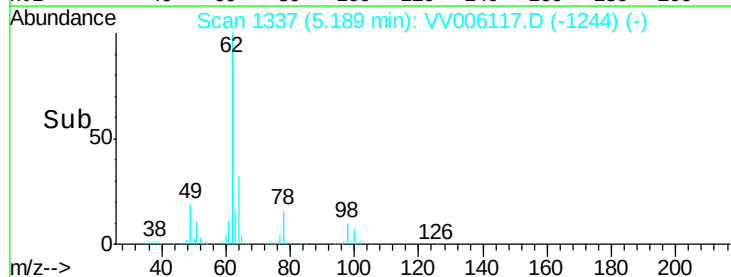
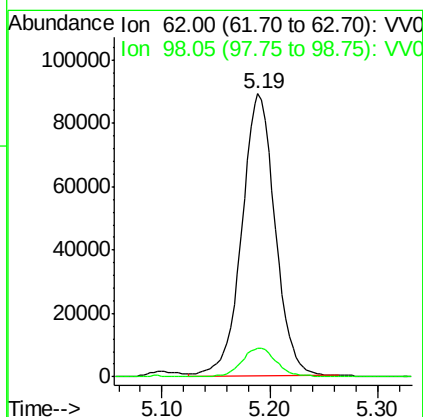
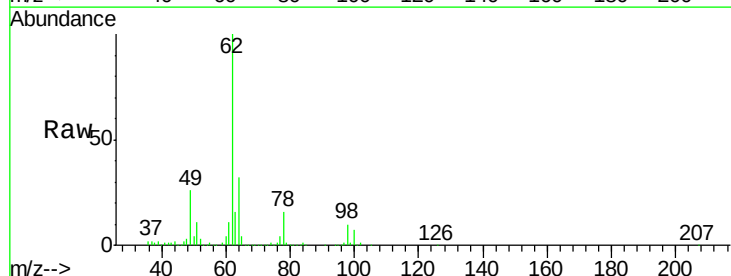
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

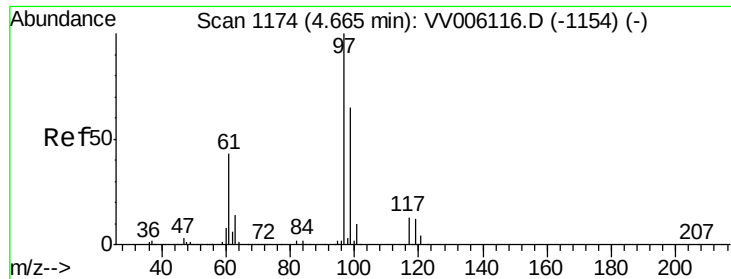
Tgt Ion: 83 Resp: 325735
Ion Ratio Lower Upper
83 100
85 65.4 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.83 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Tgt Ion: 62 Resp: 191429
Ion Ratio Lower Upper
62 100
98 10.2 8.6 12.8

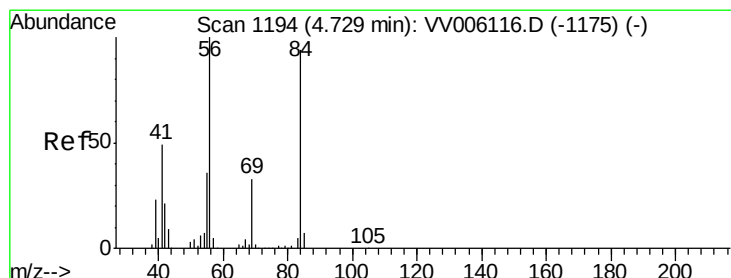
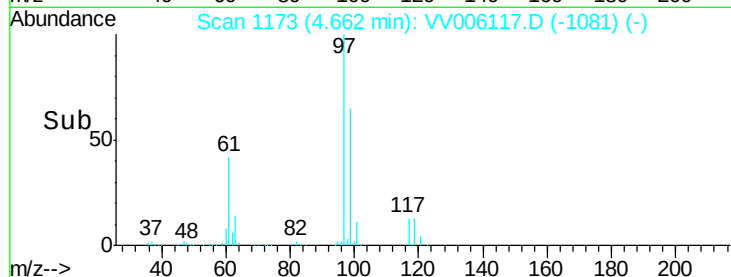
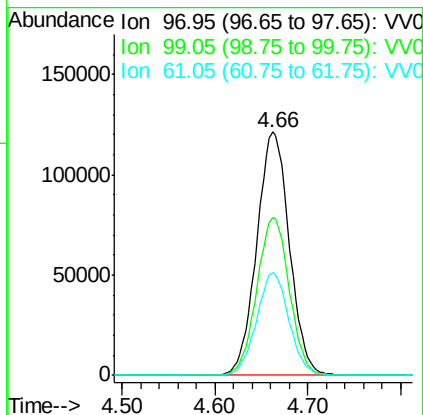
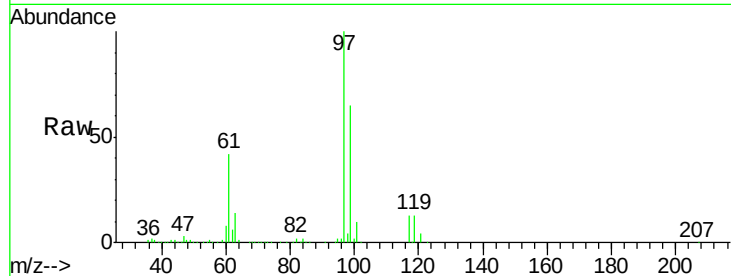




#29
 1,1,1-Trichloroethane
 Concen: 6.65 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

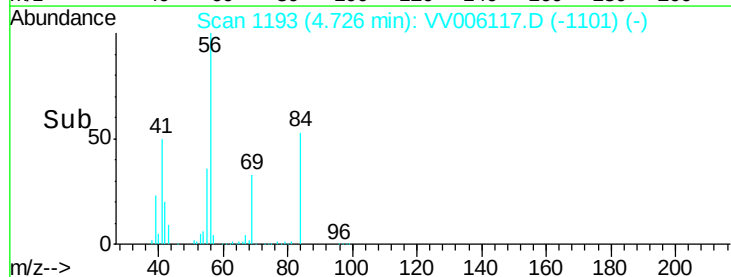
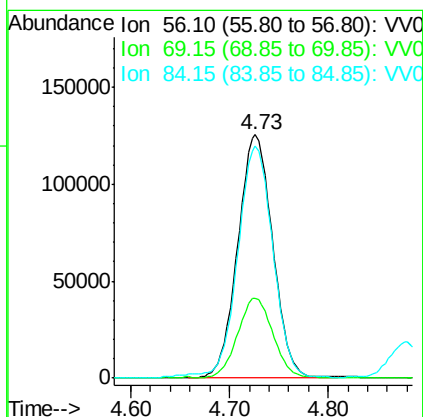
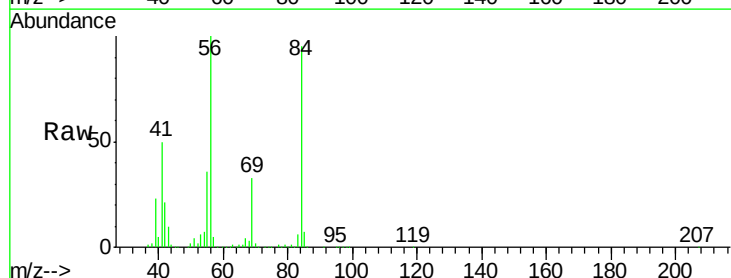
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

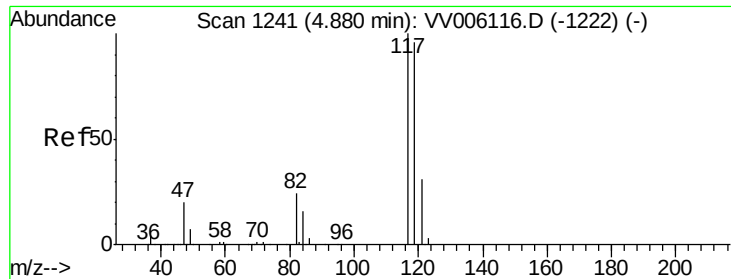
Tgt Ion: 97 Resp: 296913
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.5 77.3
 61 42.2 33.7 50.5



#30
 Cyclohexane
 Concen: 6.71 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Tgt Ion: 56 Resp: 305316
 Ion Ratio Lower Upper
 56 100
 69 32.8 26.4 39.6
 84 97.0 78.9 118.3

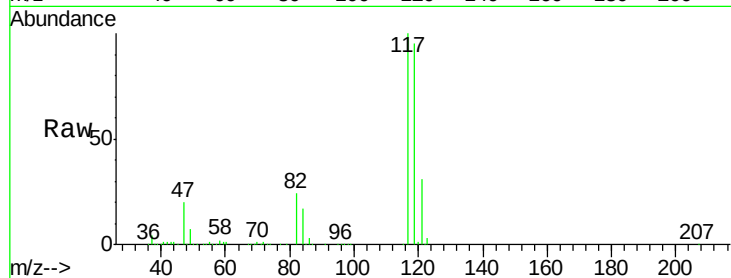




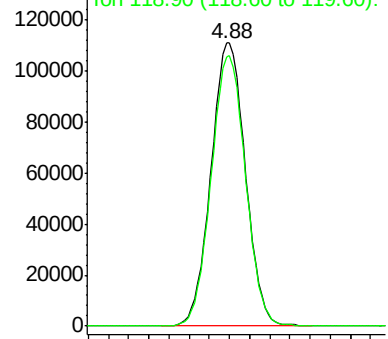
#31
Carbon tetrachloride
Concen: 6.57 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

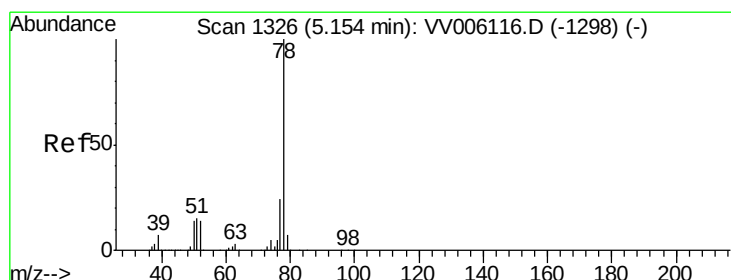
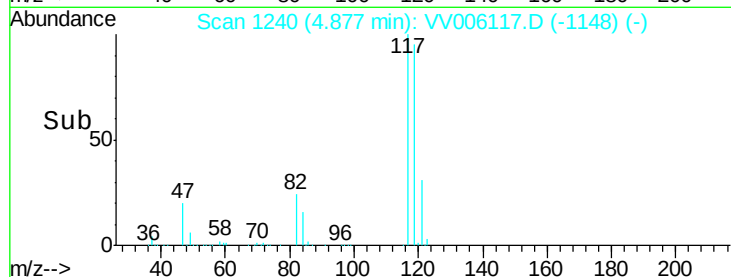
Tgt Ion:117 Resp: 261845
Ion Ratio Lower Upper
117 100
119 95.4 76.1 114.1



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

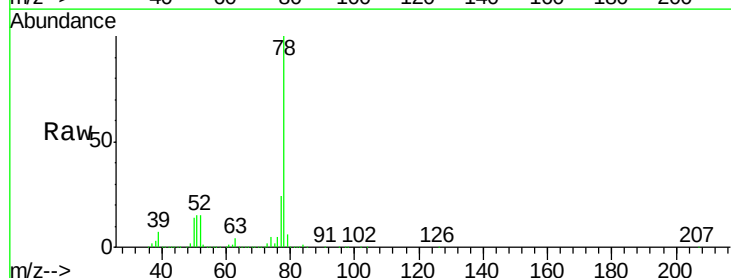


Time-->

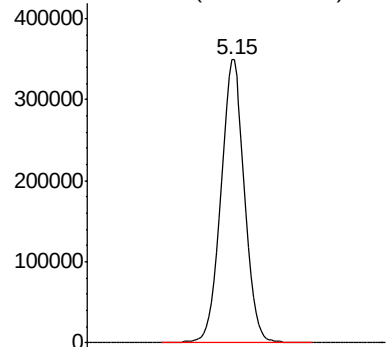


#33
Benzene
Concen: 6.32 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

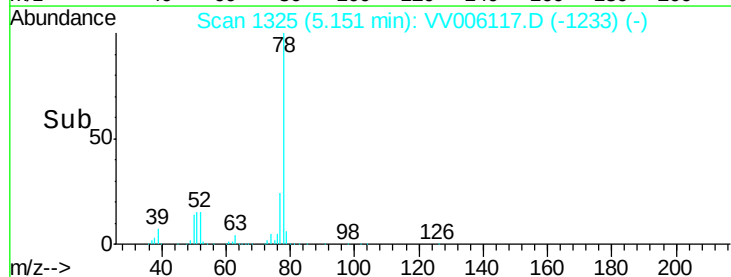
Tgt Ion: 78 Resp: 745507

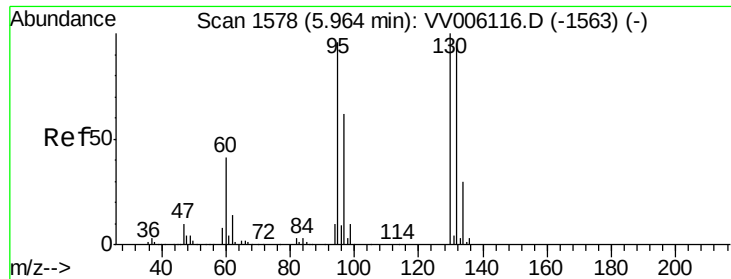


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 6.37 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion: 95 Resp: 201040

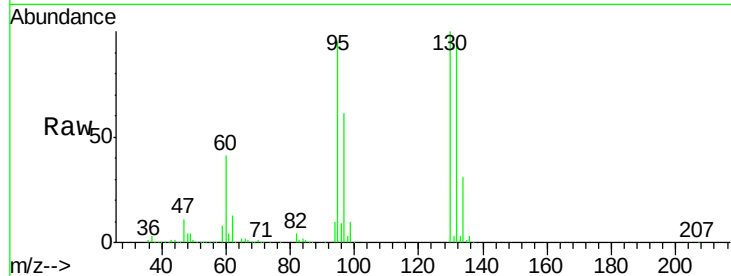
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 99.3 69.0 128.1

130 105.3 72.8 135.2

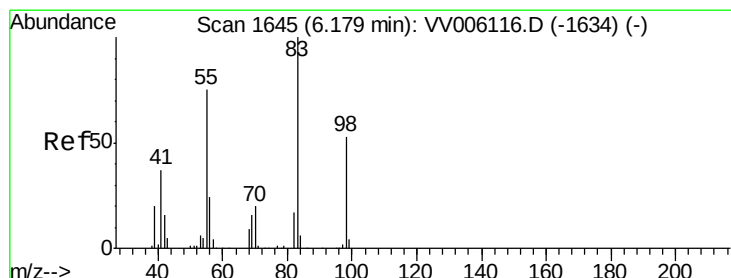
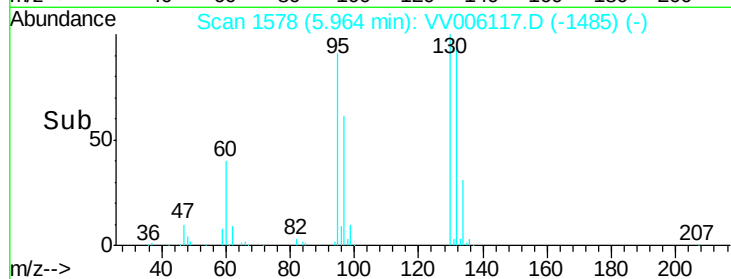
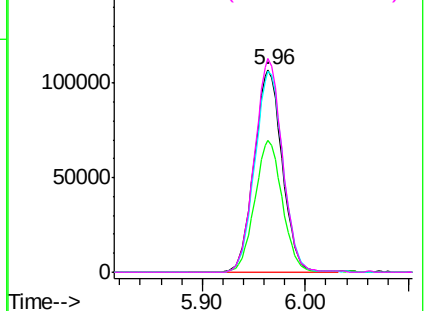


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 7.41 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

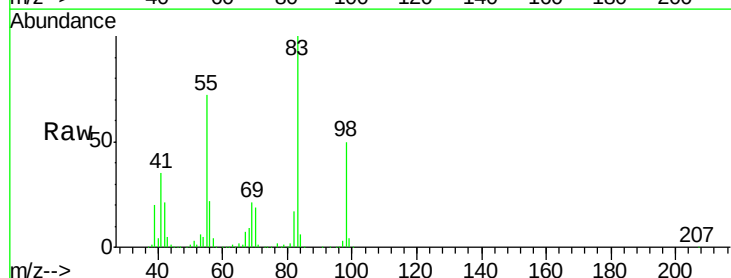
Tgt Ion: 83 Resp: 348107

Ion Ratio Lower Upper

83 100

55 71.5 57.5 86.3

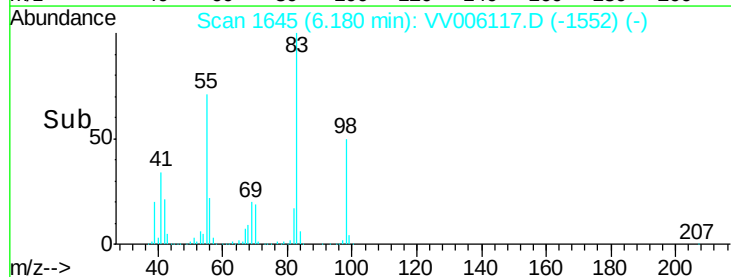
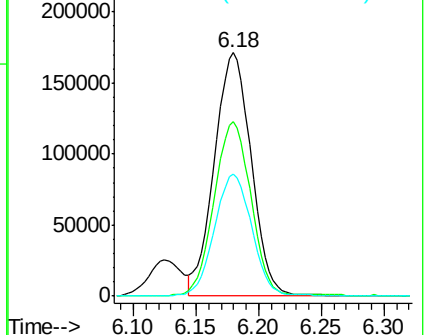
98 50.3 39.8 59.8

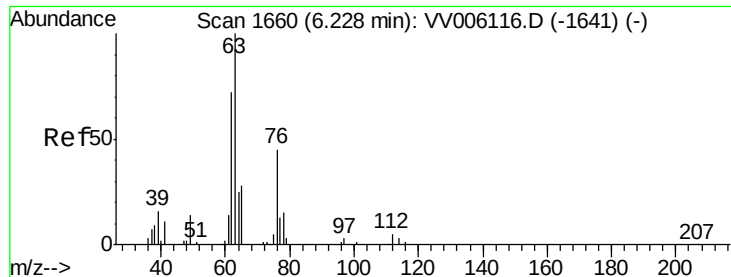


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

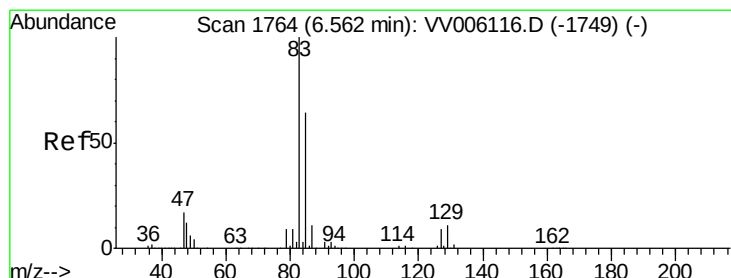
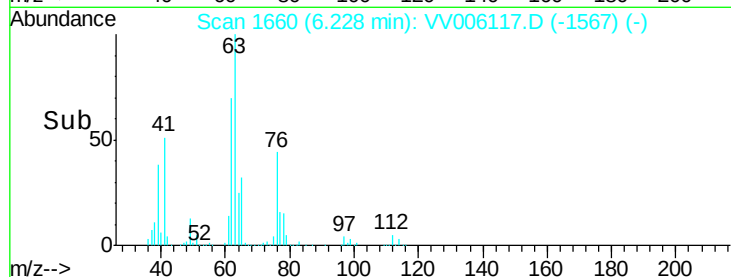
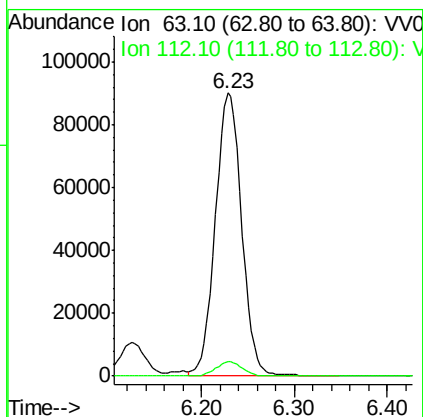
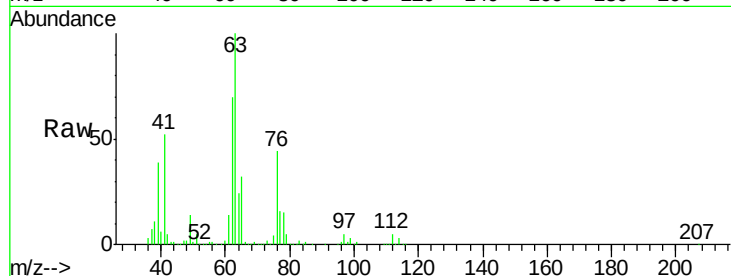




#37
 1,2-Dichloropropane
 Concen: 5.73 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

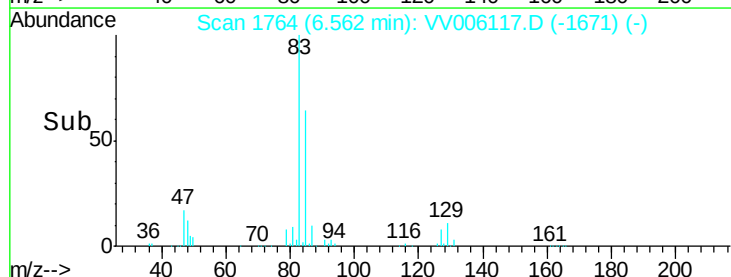
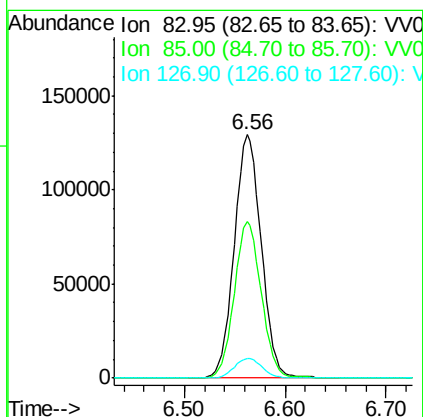
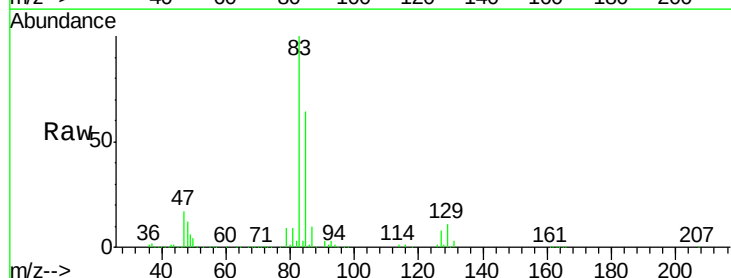
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

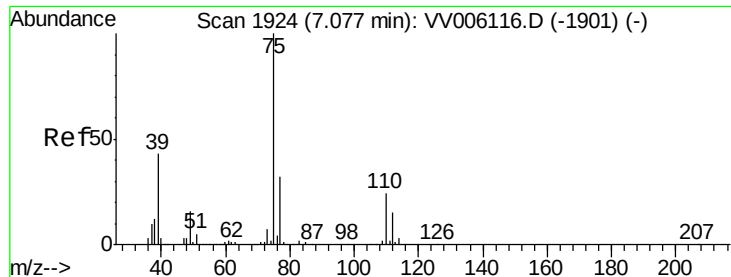
Tgt Ion: 63 Resp: 176095
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.1 6.1



#38
 Bromodichloromethane
 Concen: 6.82 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Tgt Ion: 83 Resp: 239450
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.9 83.5
 127 8.3 7.0 10.4

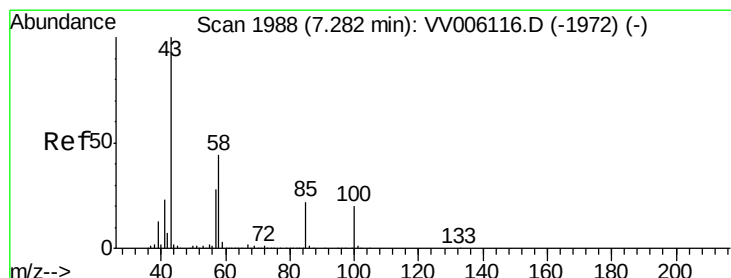
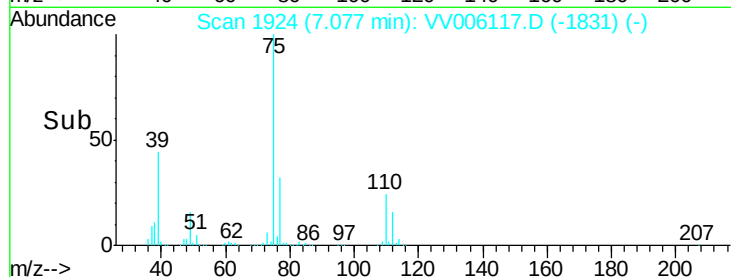
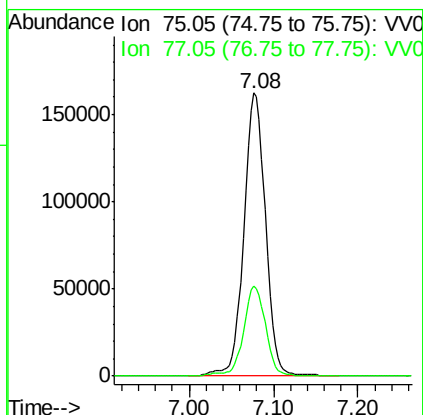
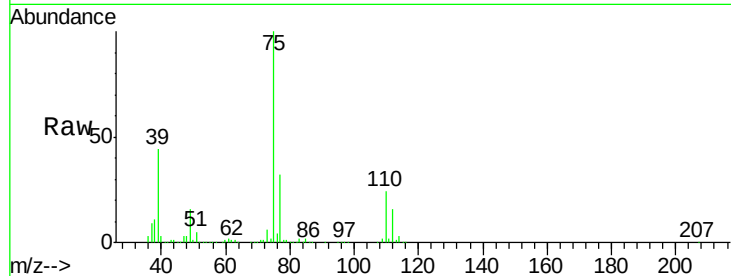




#39
 cis-1,3-Dichloropropene
 Concen: 7.22 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

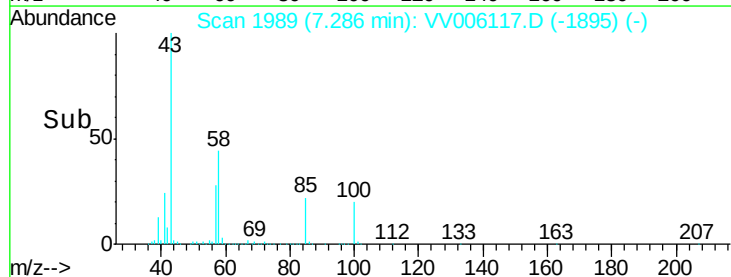
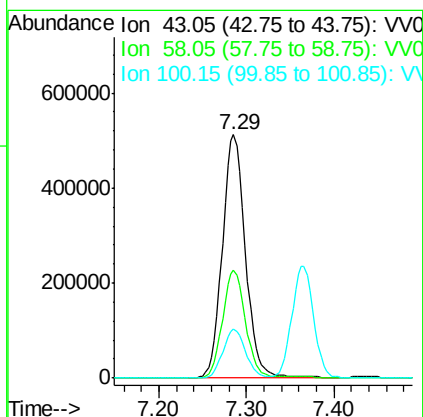
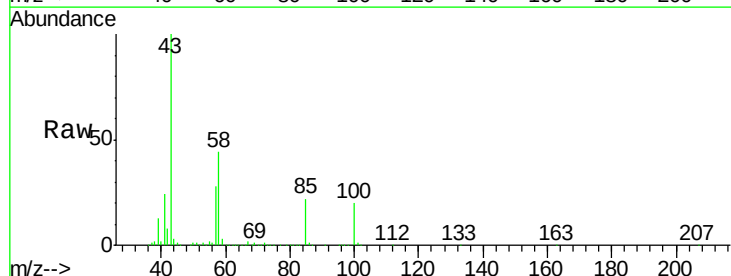
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

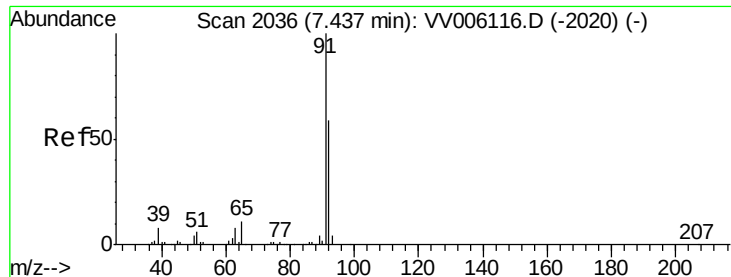
Tgt Ion: 75 Resp: 291930
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 56.89 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Tgt Ion: 43 Resp: 931594
 Ion Ratio Lower Upper
 43 100
 58 44.3 36.0 54.0
 100 19.9 15.4 23.2





#42

Toluene

Concen: 6.75 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

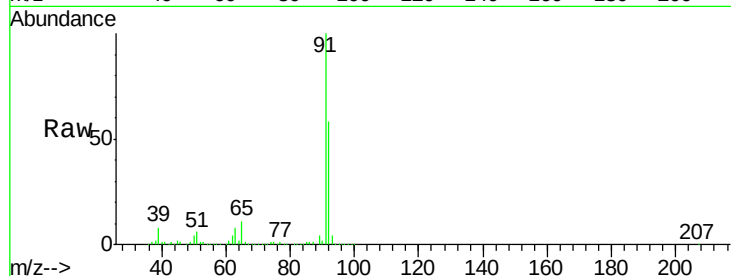
VSTD01064

Tgt Ion: 91 Resp: 824302

Ion Ratio Lower Upper

91 100

92 58.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

500000

400000

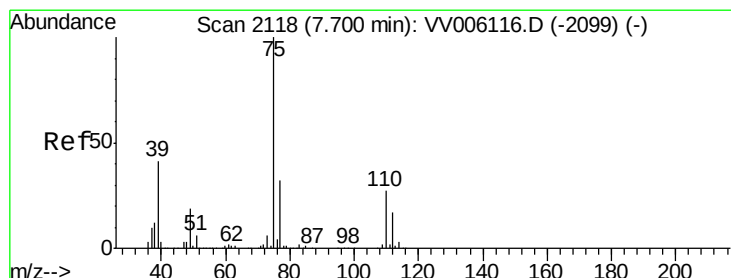
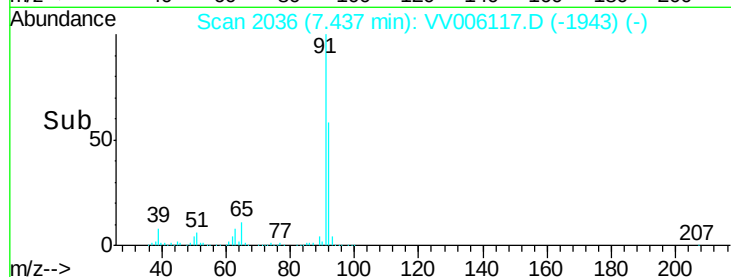
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 7.28 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006117.D

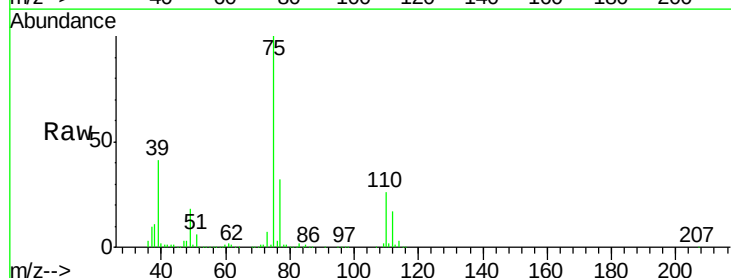
Acq: 31 May 2018 20:03

Tgt Ion: 75 Resp: 238405

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

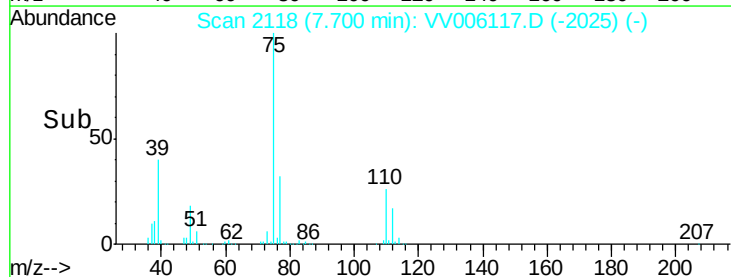
150000

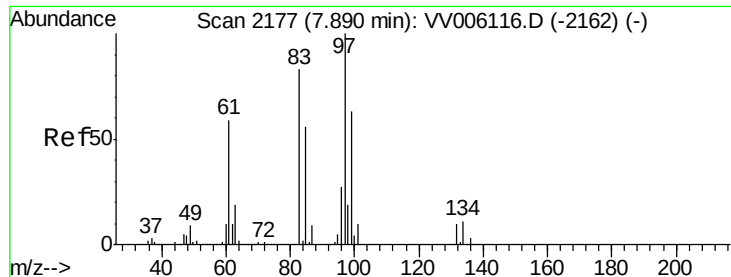
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 6.30 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampled :

VSTD01064

Tgt Ion: 97 Resp: 124111

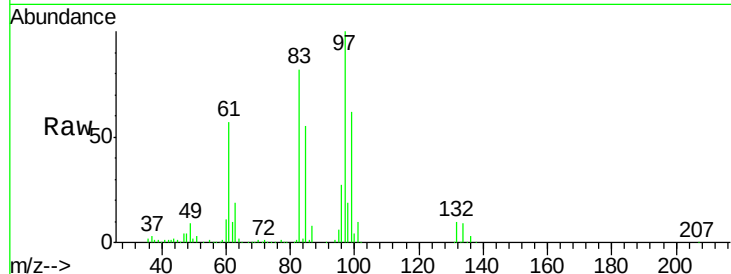
Ion Ratio Lower Upper

97 100

99 62.2 43.8 81.3

83 82.4 58.2 108.2

85 54.9 39.3 73.1

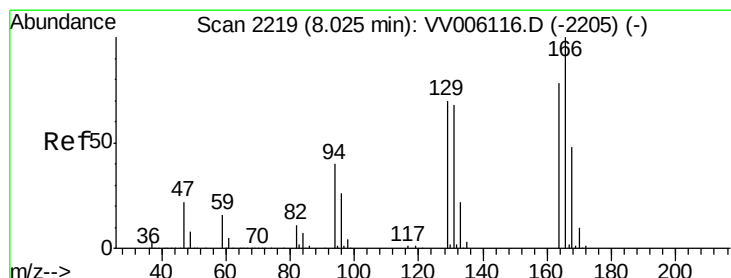
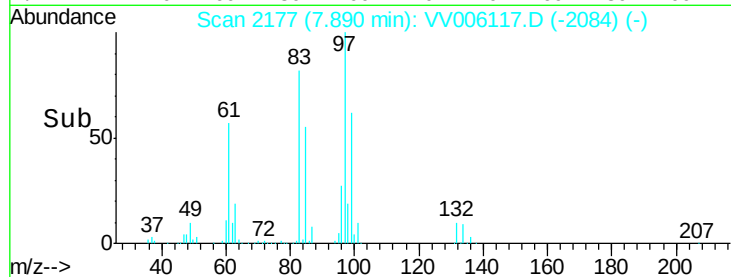
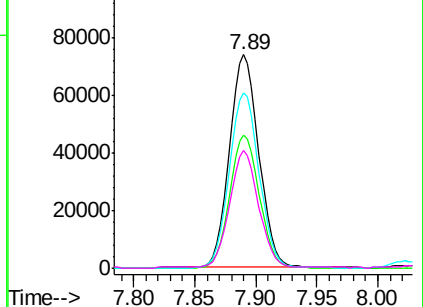


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 6.48 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Tgt Ion: 164 Resp: 164789

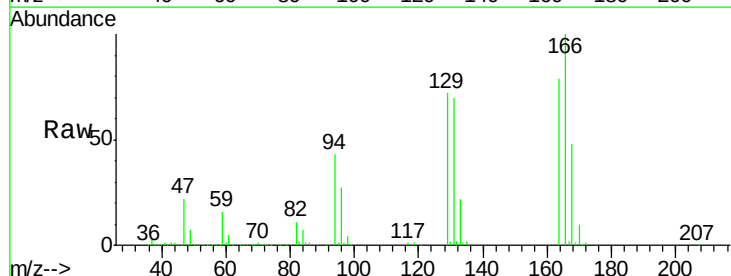
Ion Ratio Lower Upper

164 100

129 91.5 62.7 116.5

131 88.6 61.0 113.2

166 126.8 89.5 166.3

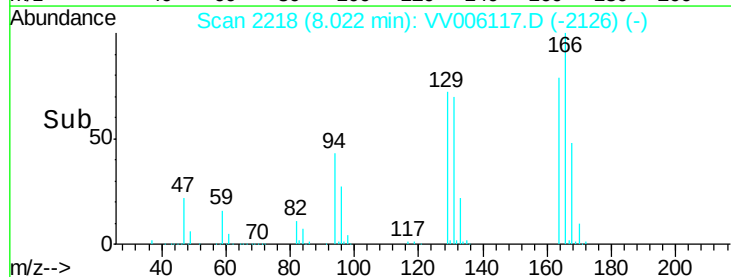
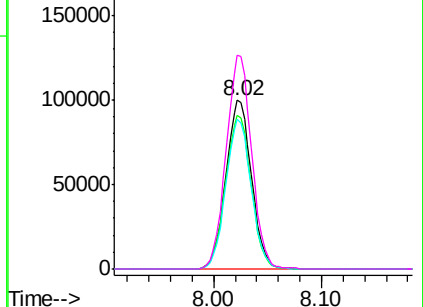


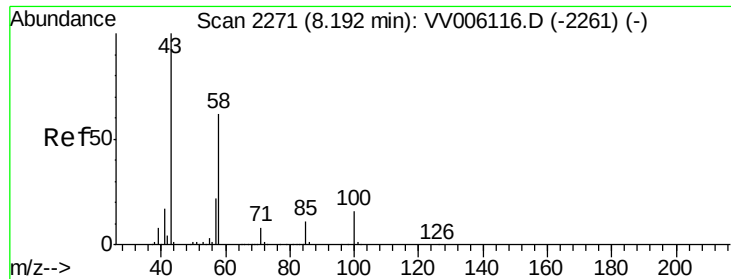
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

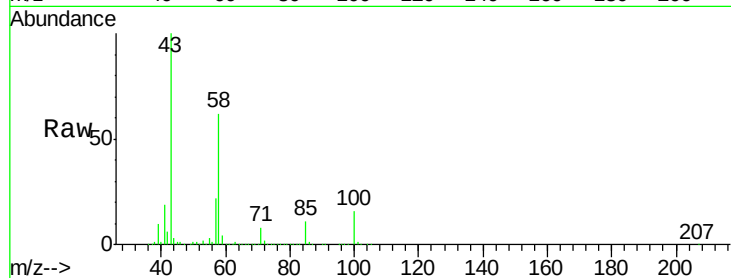




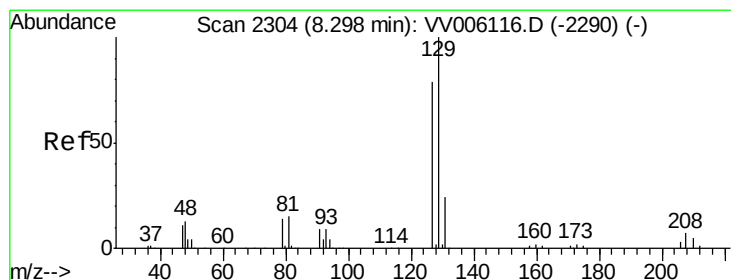
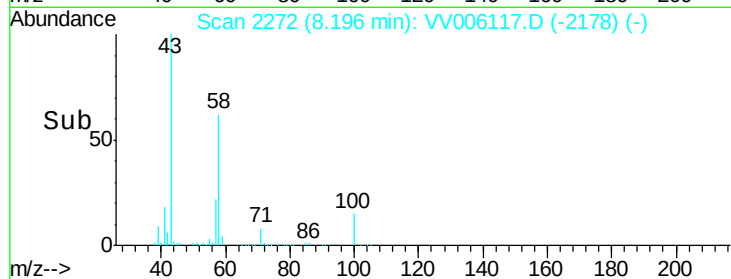
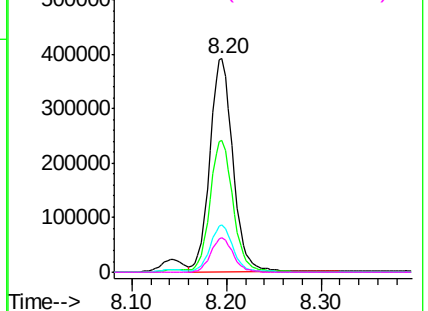
#48
2-Hexanone
Concen: 56.83 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion: 43 Resp: 661090
Ion Ratio Lower Upper
43 100
58 62.0 48.6 72.8
57 21.6 17.5 26.3
100 16.0 12.6 18.8

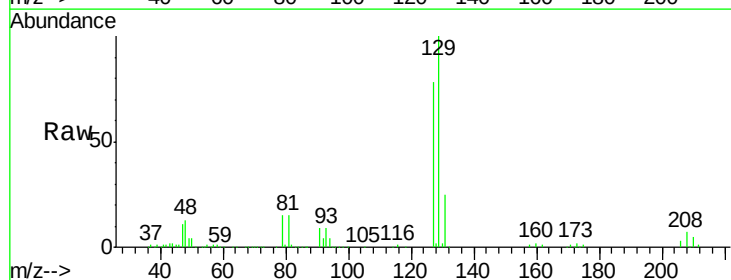


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

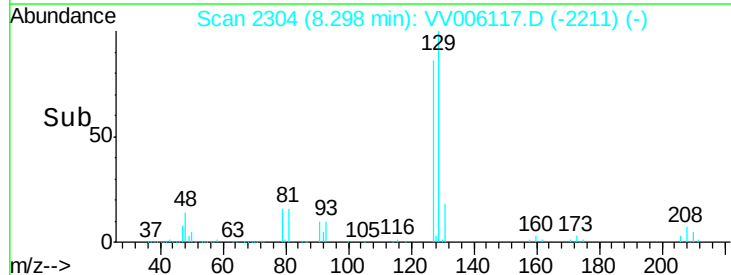
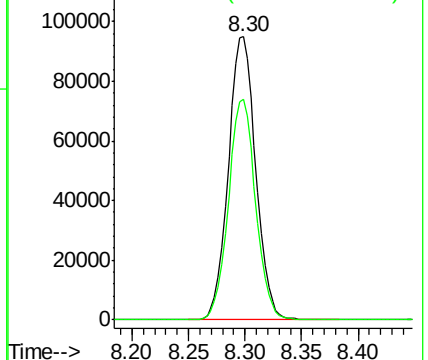


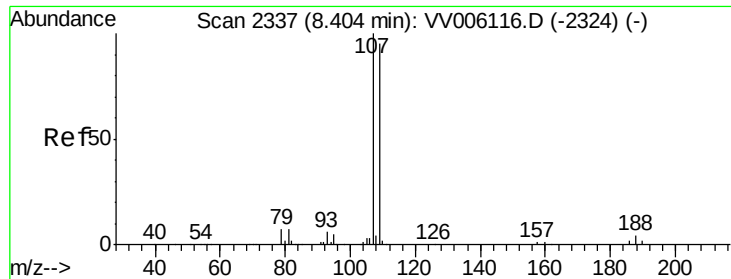
#49
Dibromochloromethane
Concen: 6.99 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Tgt Ion: 129 Resp: 160112
Ion Ratio Lower Upper
129 100
127 77.9 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

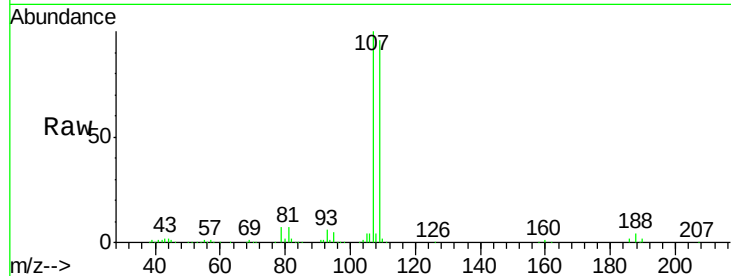




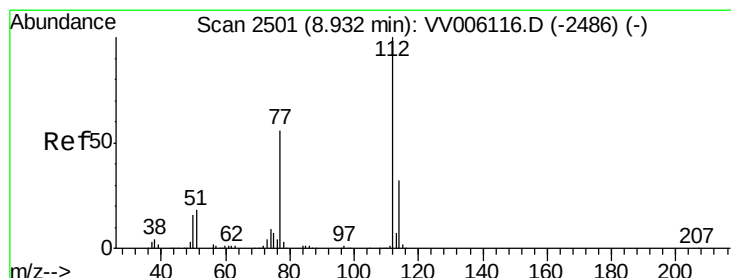
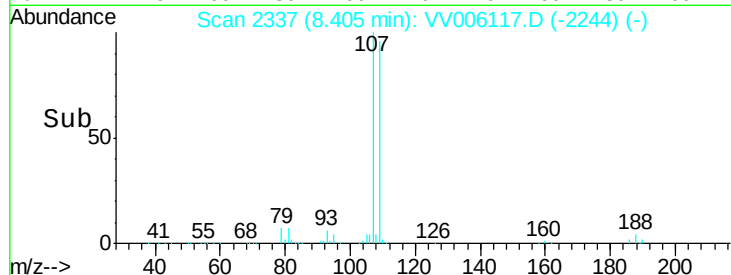
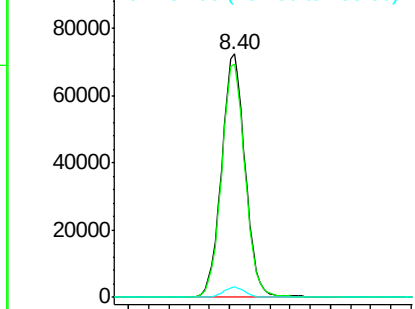
#50
1,2-Dibromoethane
Concen: 6.53 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.8	66.8	124.2
188	4.3	3.4	5.0

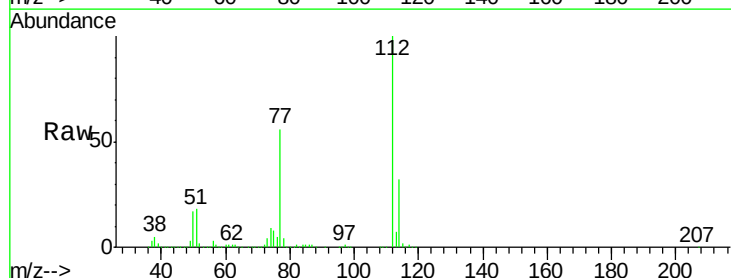


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

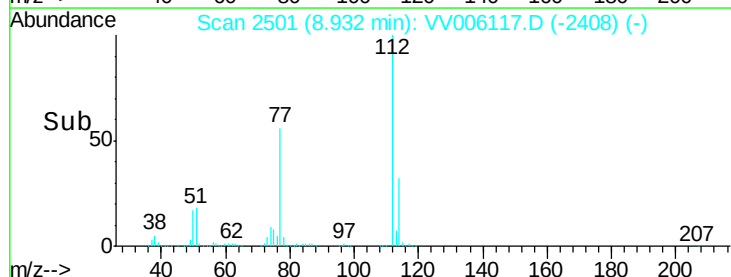
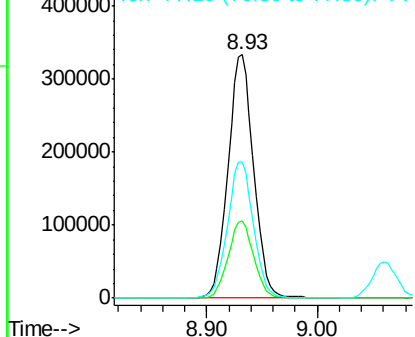


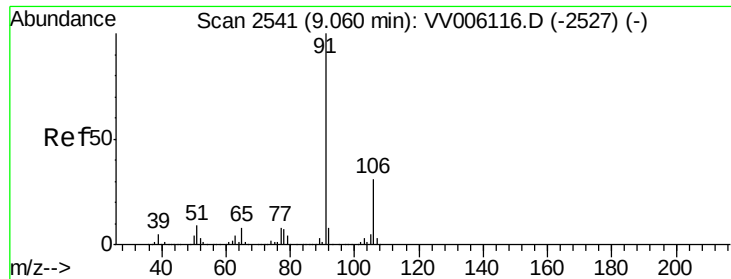
#51
Chlorobenzene
Concen: 6.73 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006117.D
Acq: 31 May 2018 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.2	41.2
77	56.0	45.2	67.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 7.20 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

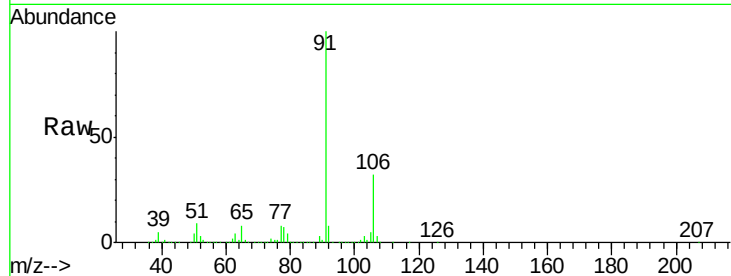
VSTD01064

Tgt Ion: 91 Resp: 932003

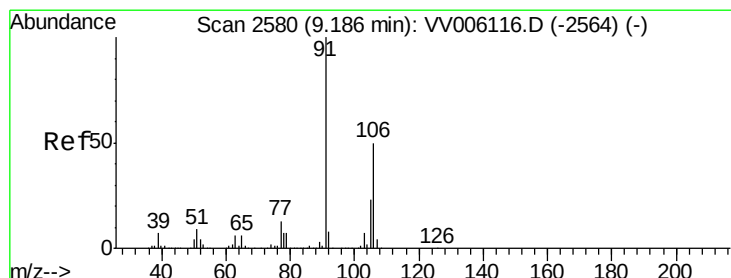
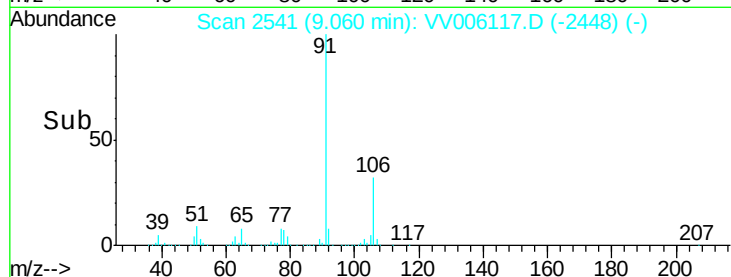
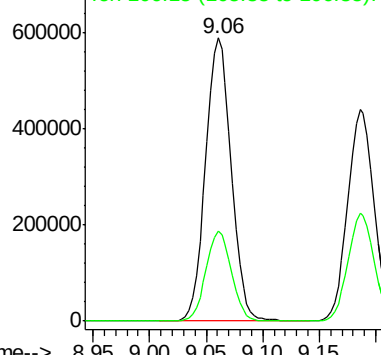
Ion Ratio Lower Upper

91 100

106 31.7 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV006117.D (-2448) (-)



#53

m,p-xylene

Concen: 7.39 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006117.D

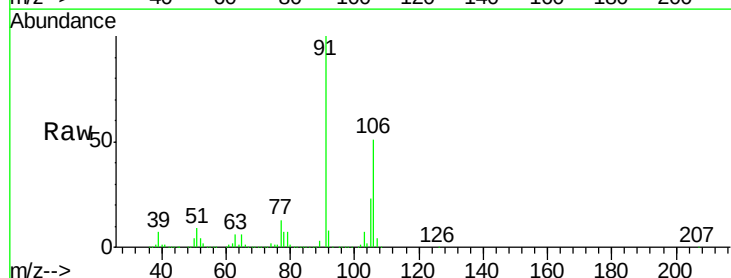
Acq: 31 May 2018 20:03

Tgt Ion: 106 Resp: 362521

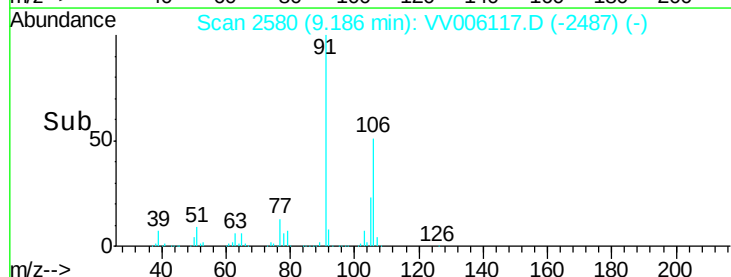
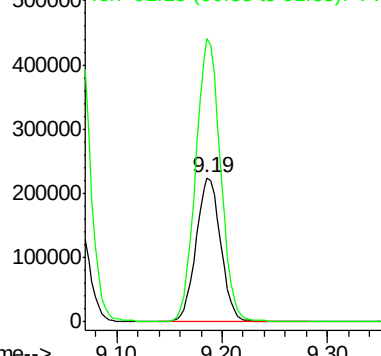
Ion Ratio Lower Upper

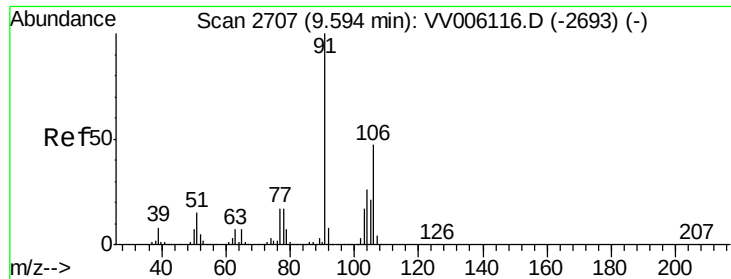
106 100

91 196.6 139.7 259.4



Abundance Ion 106.15 (105.85 to 106.85): VV006117.D (-2487) (-)





#54

o-xylene

Concen: 7.43 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

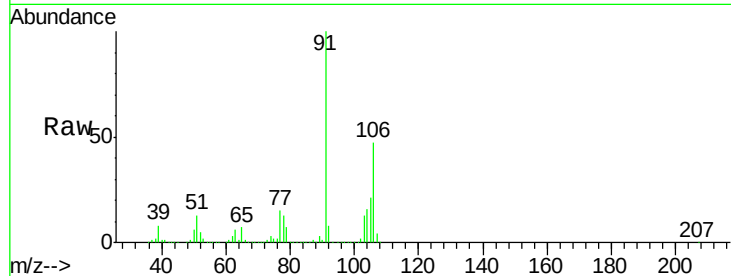
VSTD01064

Tgt Ion:106 Resp: 354300

Ion Ratio Lower Upper

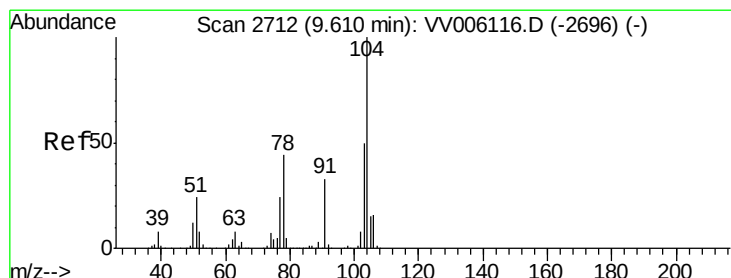
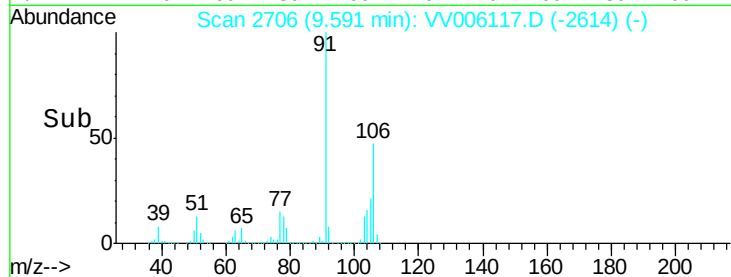
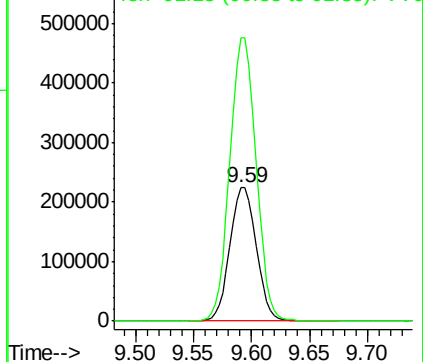
106 100

91 211.7 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 7.48 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006117.D

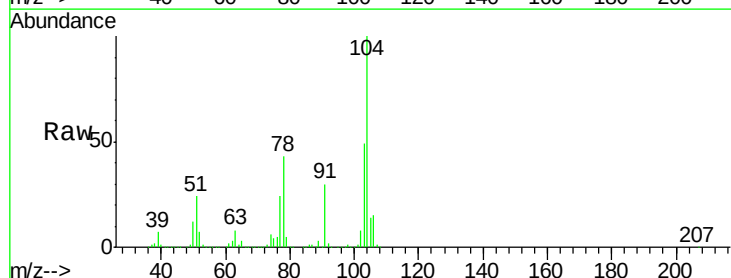
Acq: 31 May 2018 20:03

Tgt Ion:104 Resp: 593942

Ion Ratio Lower Upper

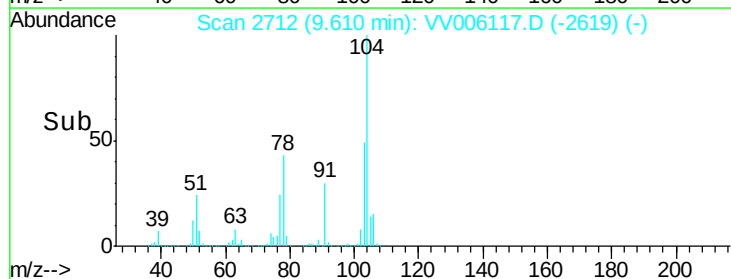
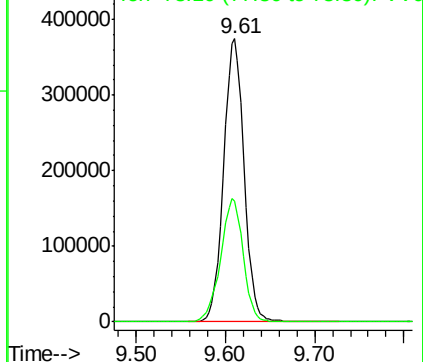
104 100

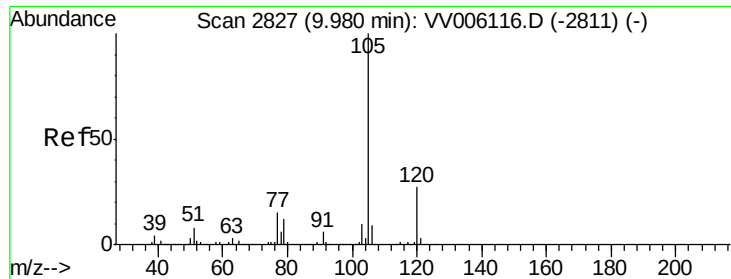
78 42.6 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 7.57 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

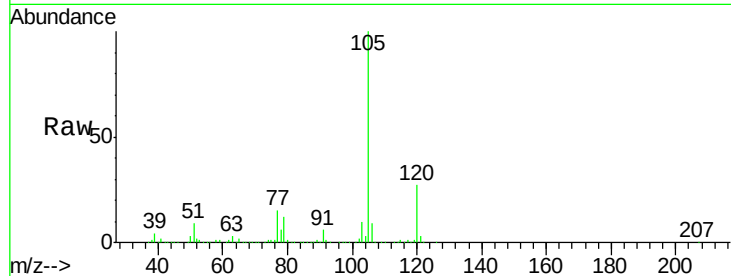
Tgt Ion: 105 Resp: 940440

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.2

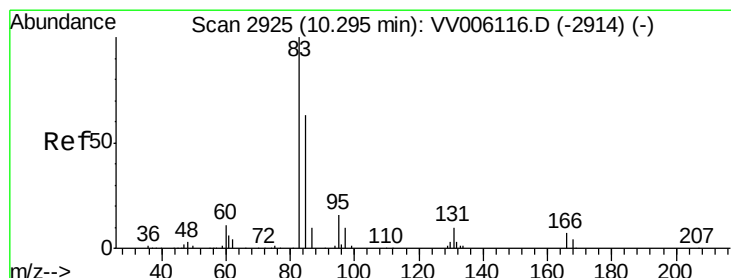
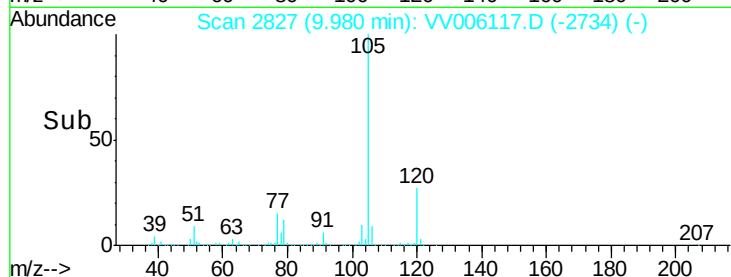
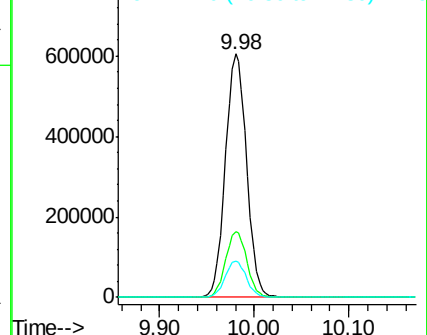
77 14.9 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.27 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

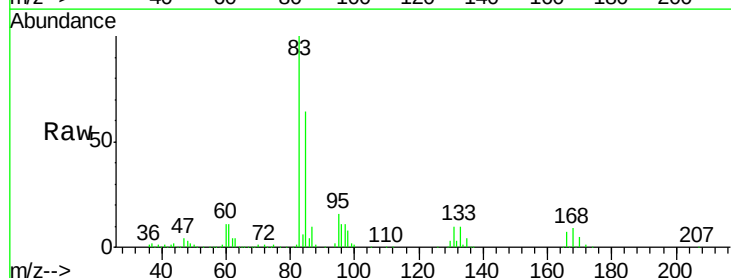
Tgt Ion: 83 Resp: 143205

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6

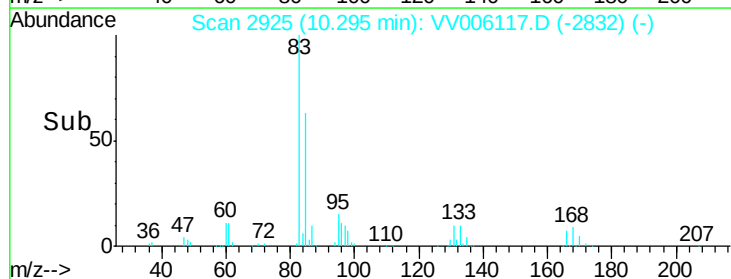
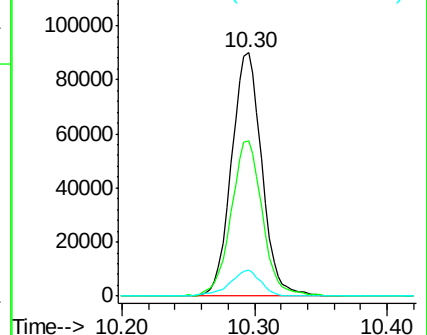
131 10.4 8.3 12.5

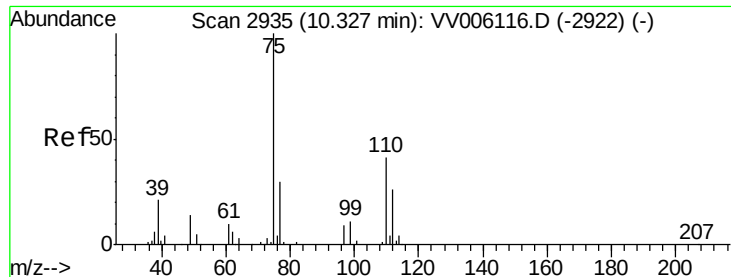


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.95 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

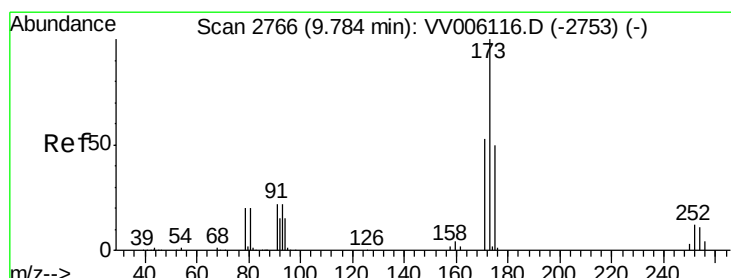
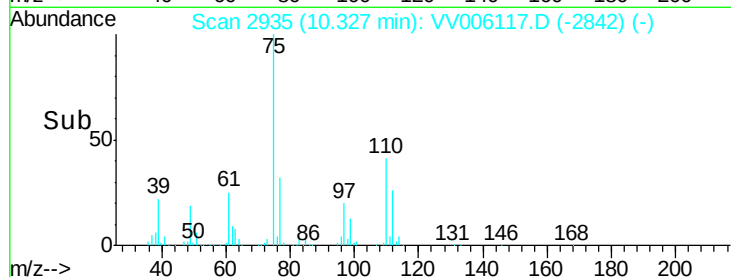
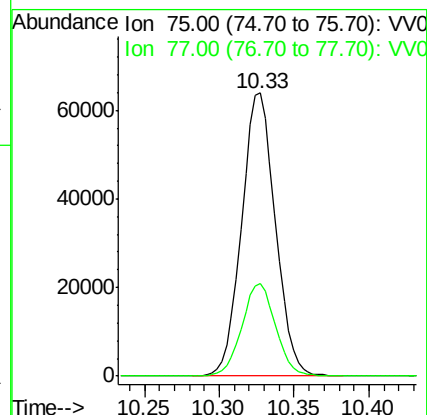
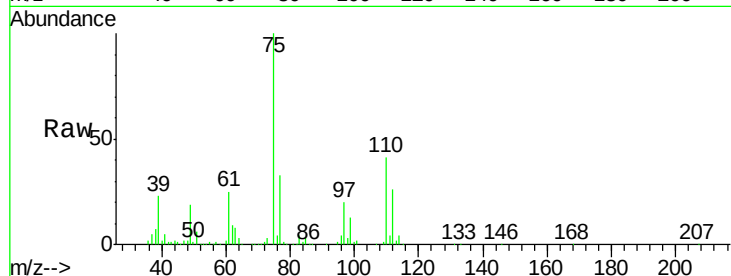
VSTD01064

Tgt Ion: 75 Resp: 100418

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#61

Bromoform

Concen: 6.97 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

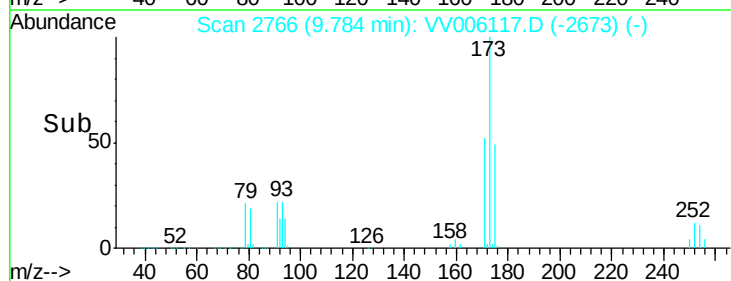
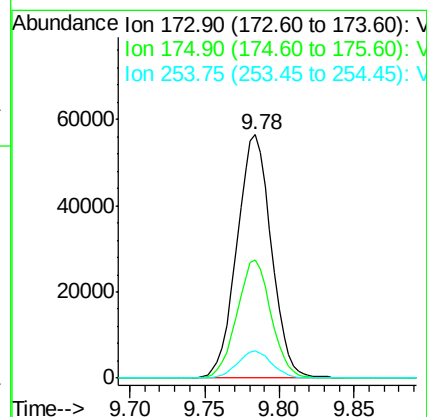
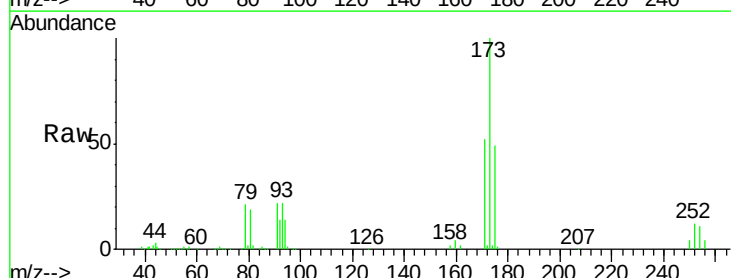
Tgt Ion: 173 Resp: 90489

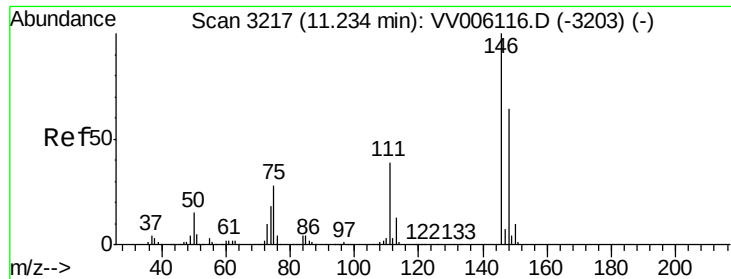
Ion Ratio Lower Upper

173 100

175 48.1 39.3 58.9

254 11.2 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 6.97 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

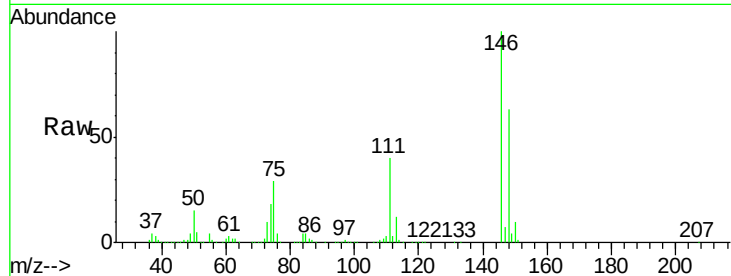
Tgt Ion:146 Resp: 418930

Ion Ratio Lower Upper

146 100

111 39.6 27.6 51.2

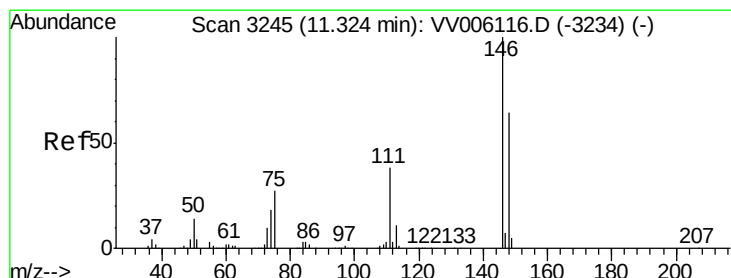
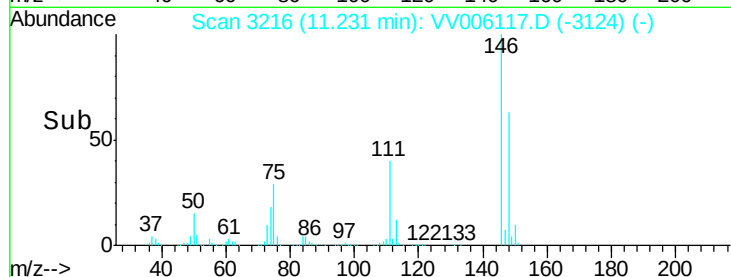
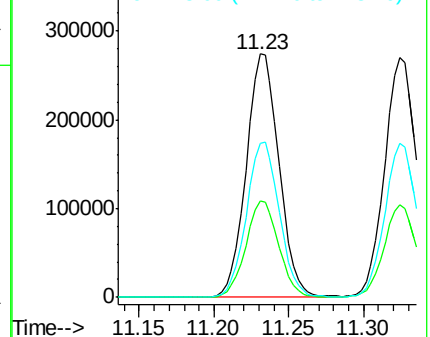
148 63.4 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 6.70 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

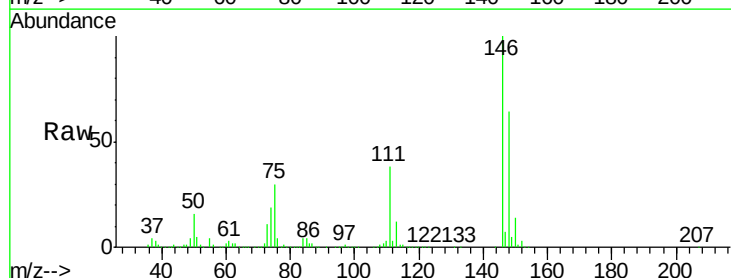
Tgt Ion:146 Resp: 411094

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

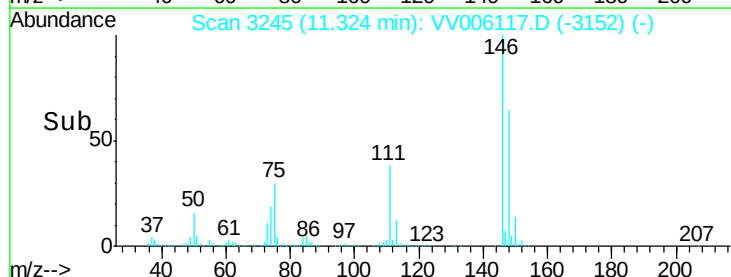
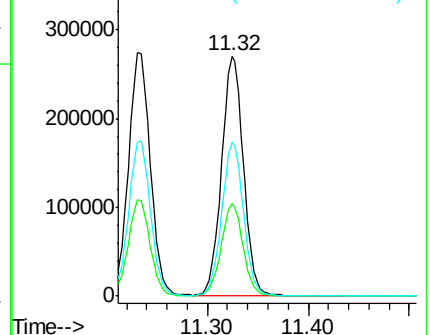
148 63.9 44.8 83.2

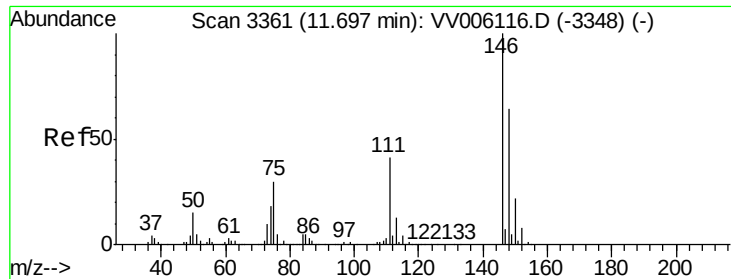


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

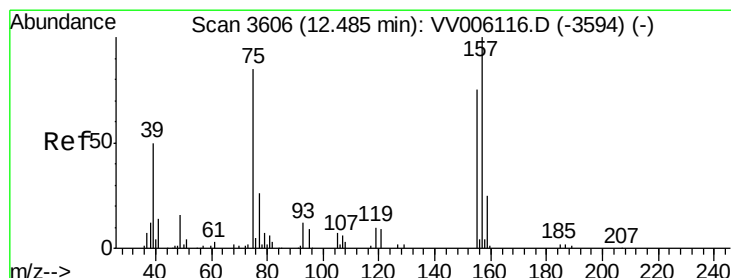
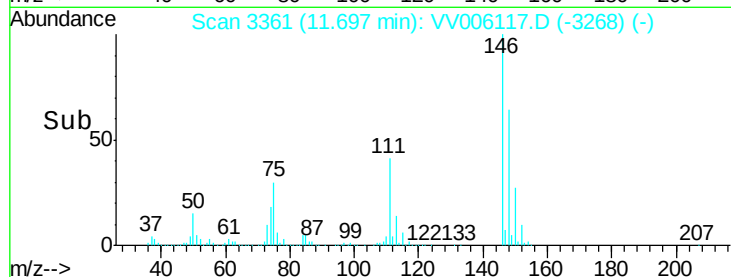
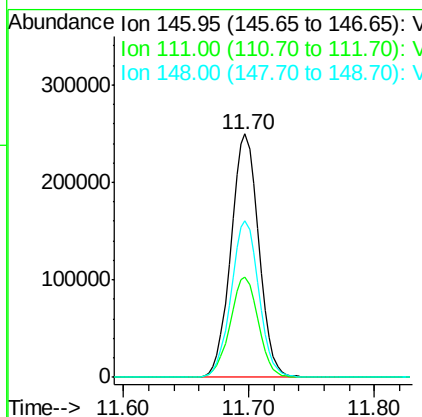
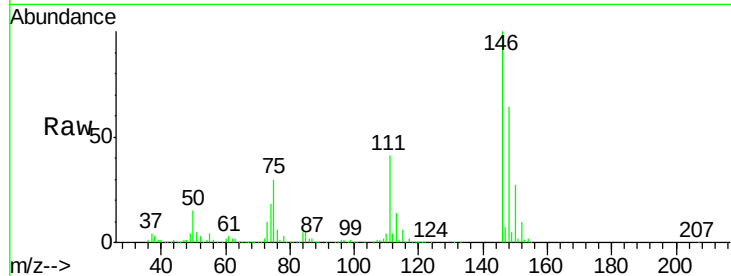




#65
 1,2-Dichlorobenzene
 Concen: 6.61 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

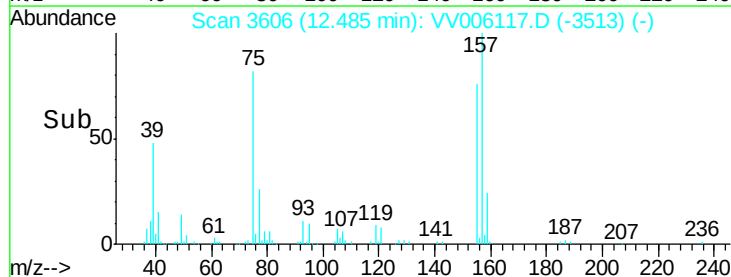
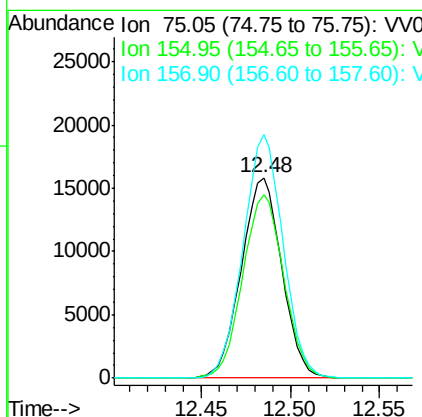
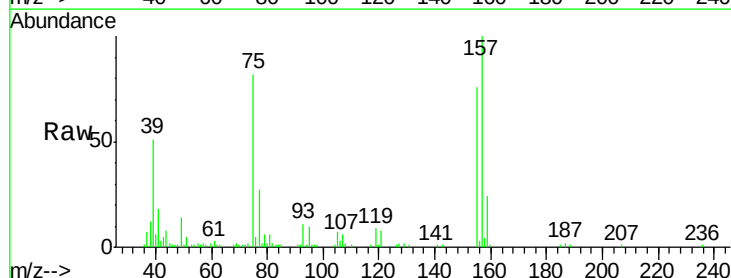
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

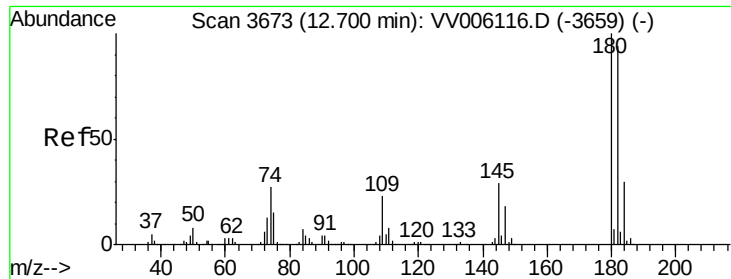
Tgt Ion: 146 Resp: 384730
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.8 49.2
 148 64.3 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 7.48 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Tgt Ion: 75 Resp: 25170
 Ion Ratio Lower Upper
 75 100
 155 91.9 70.3 105.5
 157 121.5 93.8 140.6

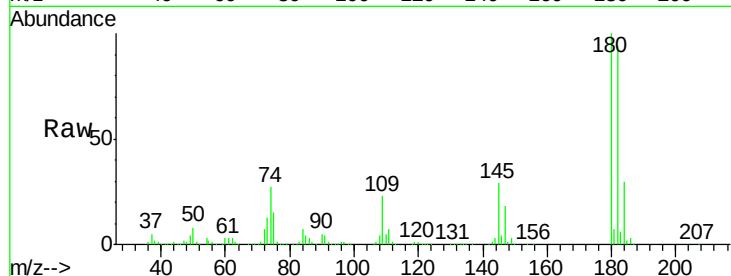




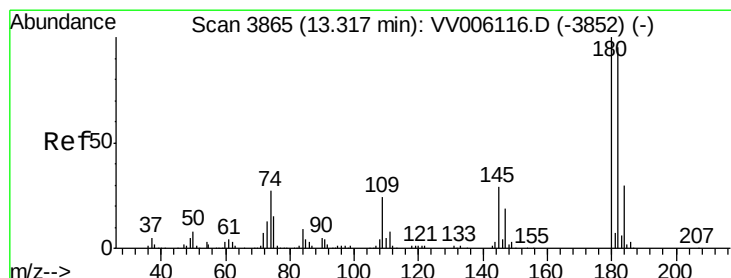
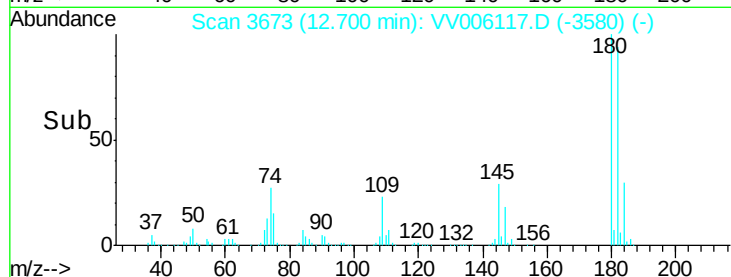
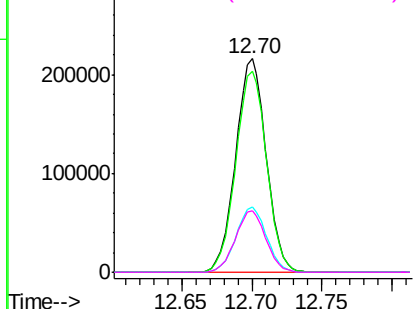
#67
 1,3,5-Trichlorobenzene
 Concen: 6.85 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion:	180	Resp:	327317
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.4	113.2
184	30.5	24.3	36.5
145	28.7	23.1	34.7

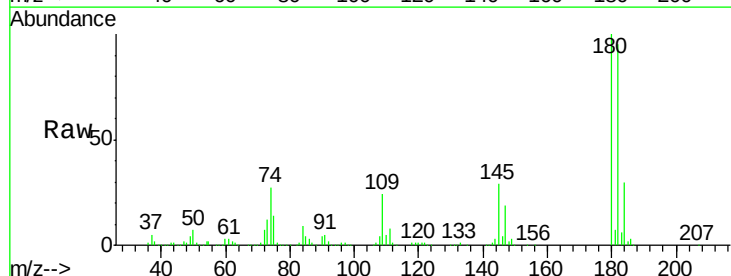


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

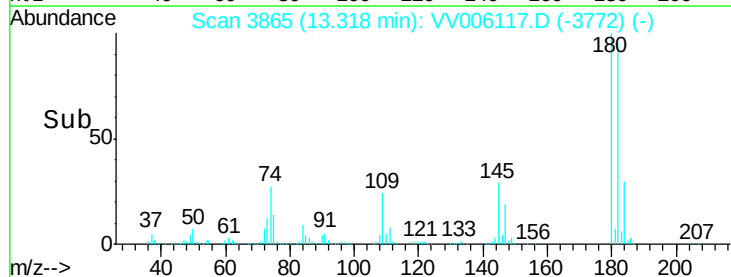
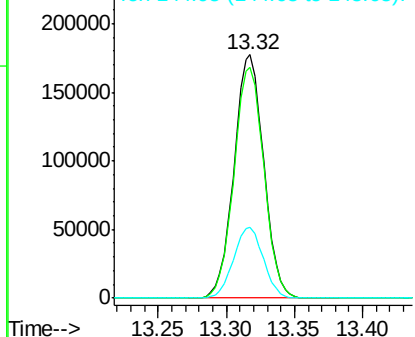


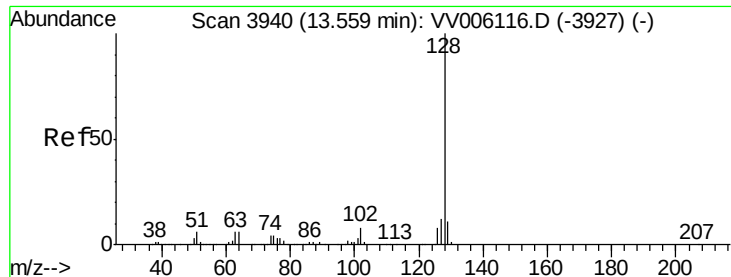
#68
 1,2,4-trichlorobenzene
 Concen: 7.24 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006117.D
 Acq: 31 May 2018 20:03

Tgt Ion:	180	Resp:	267511
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.7	115.1
145	29.3	23.7	35.5



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





#69

Naphthalene

Concen: 8.59 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

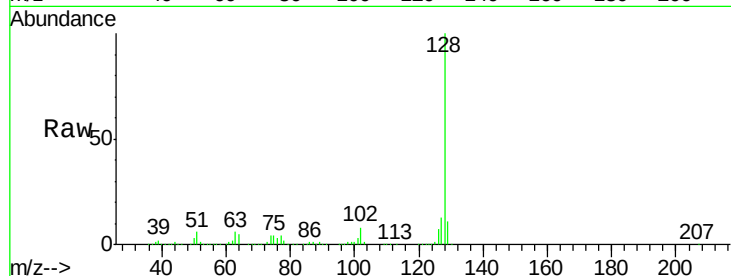
Tgt Ion:128 Resp: 470181

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

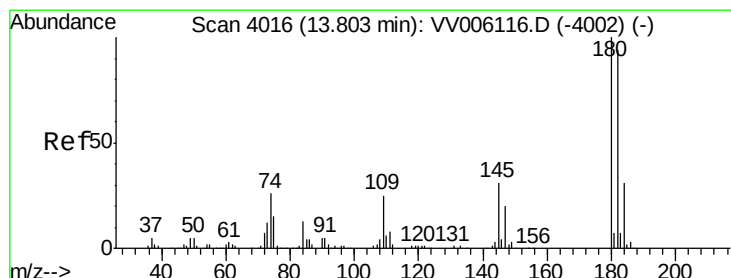
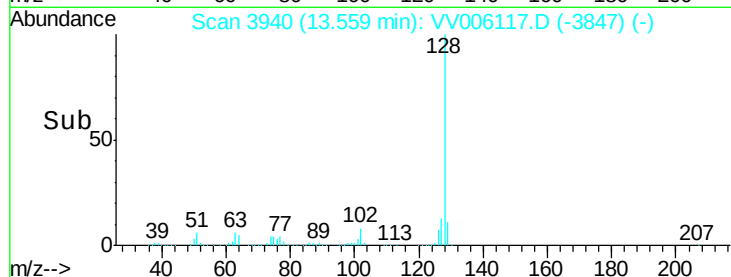
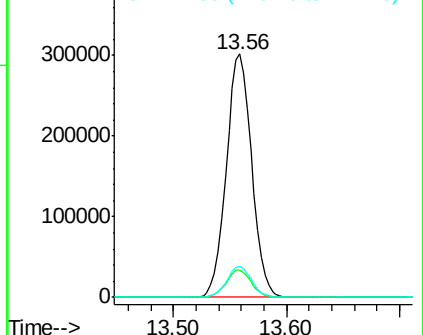
127 12.4 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 7.01 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006117.D

Acq: 31 May 2018 20:03

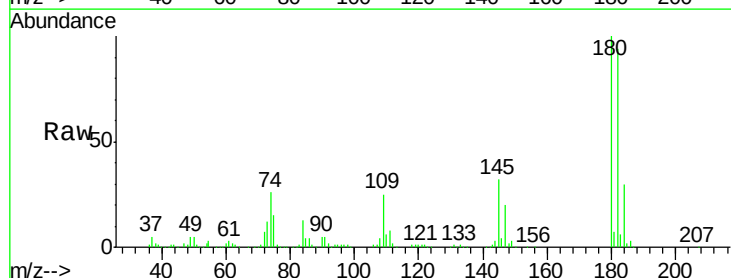
Tgt Ion:180 Resp: 242188

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.4 25.0 37.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

