

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082118\
 Data File : VV007103.D
 Acq On : 21 Aug 2018 16:08
 Operator : SY/MD
 Sample : VSTD01072
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Quant Time: Aug 22 02:23:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 22 02:22:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	304154	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	295409	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	143094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	209153	10.38	ug/L	0.00
7) Chloroethane-d5	1.58	69	170922	10.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	372730	9.93	ug/L	0.00
20) 2-Butanone-d5	3.97	46	550590	98.37	ug/L	0.00
24) Chloroform-d	4.40	84	423812	10.37	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	206836	10.06	ug/L	0.00
32) Benzene-d6	5.10	84	868694	11.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	273870	10.38	ug/L	0.00
41) Toluene-d8	7.36	98	809370	11.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	99078	10.72	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	348025	97.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	203120	9.91	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	269495	10.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	246161	8.517 ug/L	96
3) Chloromethane	1.25	50	257963	9.014 ug/L	100
5) Vinyl chloride	1.32	62	249737	8.634 ug/L	97
6) Bromomethane	1.54	94	81392	11.764 ug/L	97
8) Chloroethane	1.60	64	149367	8.484 ug/L	99
9) Trichlorofluoromethane	1.77	101	334620	9.002 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	208311	9.251 ug/L	99
12) 1,1-Dichloroethene	2.14	96	191781	8.864 ug/L	99
13) Acetone	2.21	43	280833	97.064 ug/L	92
14) Carbon disulfide	2.32	76	553071	7.904 ug/L	100
15) Methyl Acetate	2.47	43	75136	9.290 ug/L	92
16) Methylene chloride	2.54	84	207314	7.933 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	469008	9.001 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	206716	8.898 ug/L	99
19) 1,1-Dichloroethane	3.23	63	372831	8.667 ug/L	98
21) 2-Butanone	4.06	43	594368	92.684 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	237327	8.990 ug/L	98
23) Bromochloromethane	4.30	128	106195	9.708 ug/L	95
25) Chloroform	4.43	83	427222	9.234 ug/L	100
27) 1,2-Dichloroethane	5.19	62	250125	8.763 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	360297	9.206 ug/L	99
30) Cyclohexane	4.73	56	343710	8.626 ug/L	99
31) Carbon tetrachloride	4.88	117	309475	9.431 ug/L	99
33) Benzene	5.15	78	960196	9.464 ug/L	100
34) Trichloroethene	5.96	95	224569	9.229 ug/L	98
35) Methylcyclohexane	6.18	83	366289	9.474 ug/L	99
37) 1,2-Dichloropropane	6.23	63	253914	9.137 ug/L	100
38) Bromodichloromethane	6.56	83	289628	9.133 ug/L	95
39) cis-1,3-Dichloropropene	7.08	75	318918	9.495 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	1378726	93.140 ug/L	98

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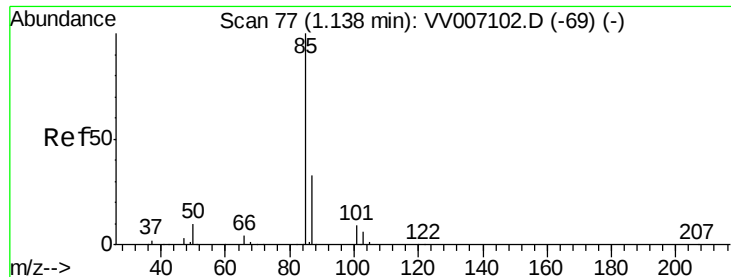
Quant Time: Aug 22 02:23:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	985409	10.090	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	263777	9.565	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	164924	9.039	ug/L	97
47) Tetrachloroethene	8.02	164	190725	9.545	ug/L	99
48) 2-Hexanone	8.20	43	1030863	97.454	ug/L	97
49) Dibromochloromethane	8.30	129	189518	9.853	ug/L	100
50) 1,2-Dibromoethane	8.40	107	146920	9.546	ug/L	100
51) Chlorobenzene	8.93	112	601750	9.599	ug/L	99
52) Ethylbenzene	9.06	91	976397	10.038	ug/L	99
53) m,p-xylene	9.19	106	379997	10.412	ug/L	100
54) o-xylene	9.59	106	347569	10.053	ug/L	95
55) Styrene	9.61	104	645548	11.055	ug/L	99
56) Isopropylbenzene	9.98	105	940296	10.402	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	200024	9.084	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	142080	9.115	ug/L	100
61) Bromoform	9.78	173	101019	9.220	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	430882	9.299	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	450529	9.488	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	444161	9.674	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	24417	7.724	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	335542	9.629	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	245753	9.711	ug/L	98
69) Naphthalene	13.56	128	339662	9.427	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	246829	10.041	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 8.517 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

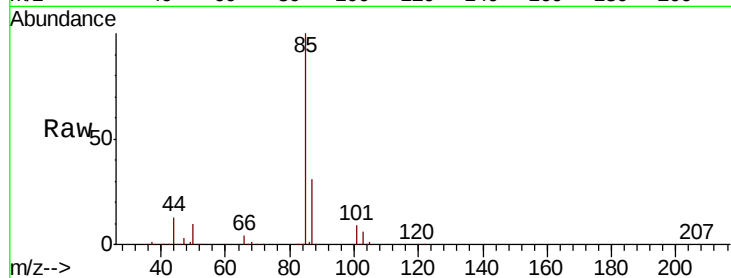
VSTD01072

Tgt Ion: 85 Resp: 246161

Ion Ratio Lower Upper

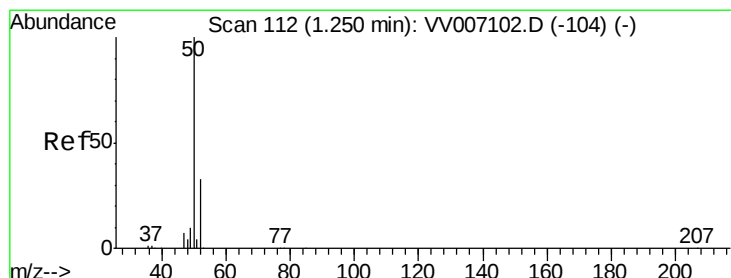
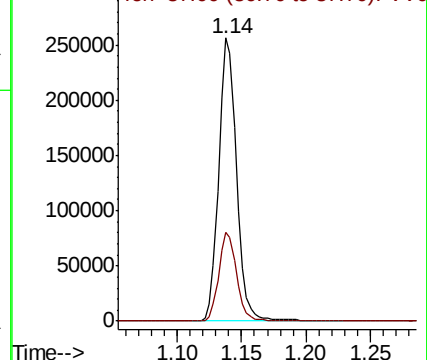
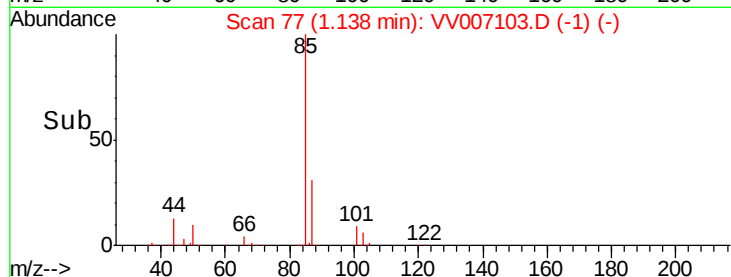
85 100

87 31.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV007103.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007103.D (-1) (-)



#3

Chloromethane

Concen: 9.014 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007103.D

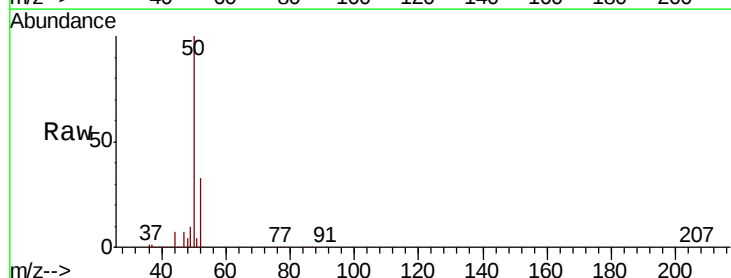
Acq: 21 Aug 2018 16:08

Tgt Ion: 50 Resp: 257963

Ion Ratio Lower Upper

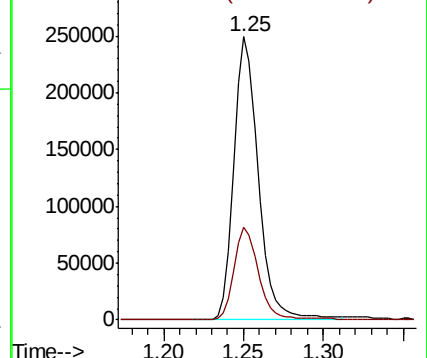
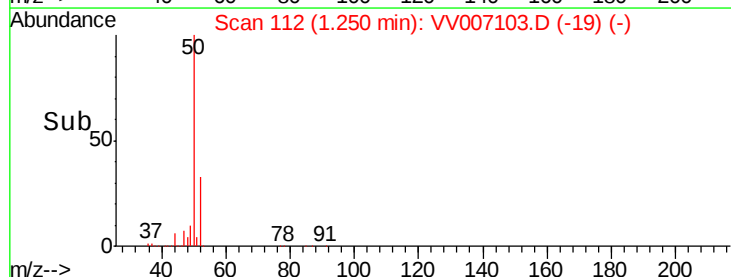
50 100

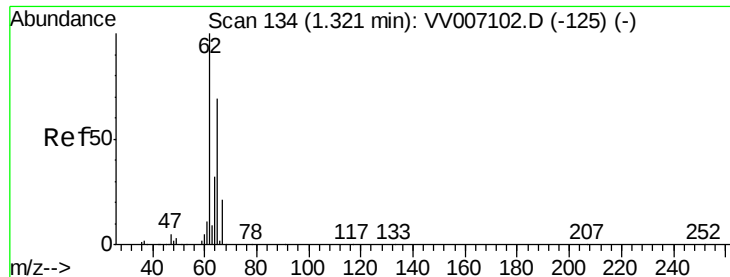
52 32.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV007103.D (-19) (-)

Ion 52.05 (51.75 to 52.75): VV007103.D (-19) (-)





#5

Vinyl chloride

Concen: 8.634 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

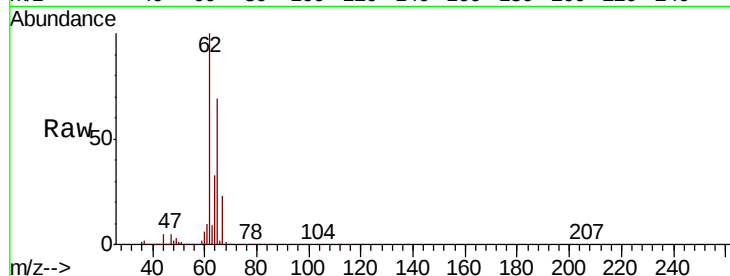
VSTD01072

Tgt Ion: 62 Resp: 249737

Ion Ratio Lower Upper

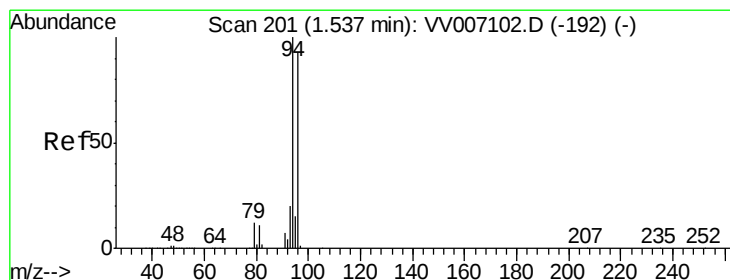
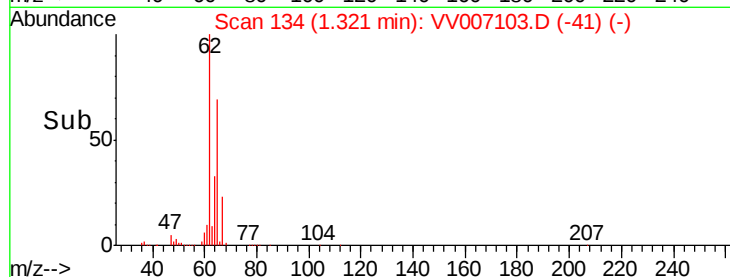
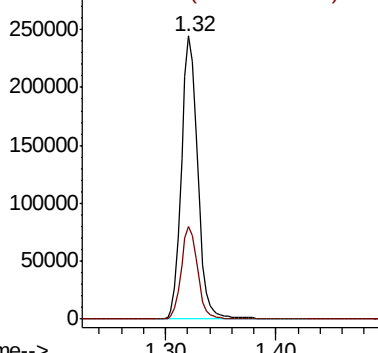
62 100

64 32.9 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 11.764 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV007103.D

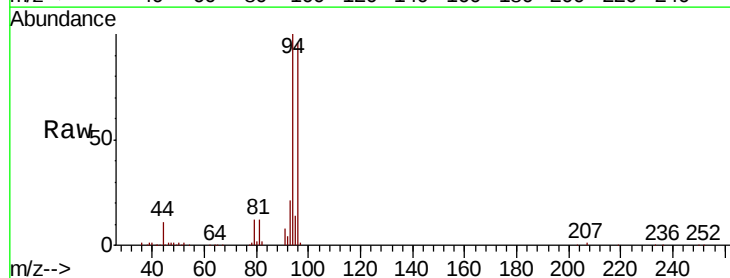
Acq: 21 Aug 2018 16:08

Tgt Ion: 94 Resp: 81392

Ion Ratio Lower Upper

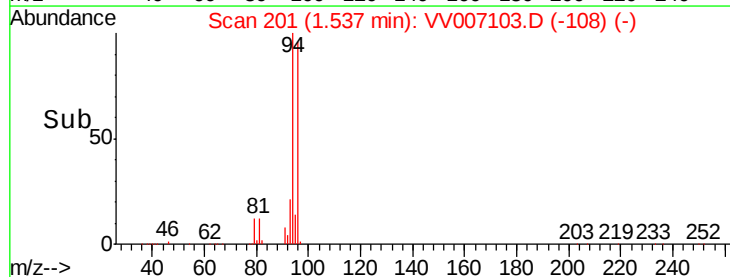
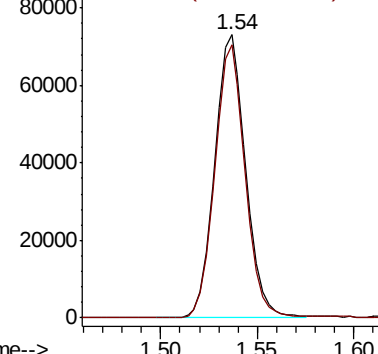
94 100

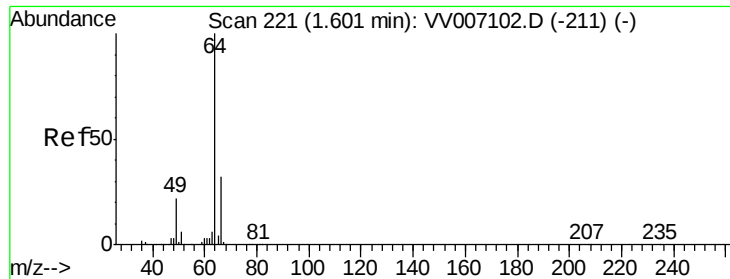
96 96.4 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 8.484 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

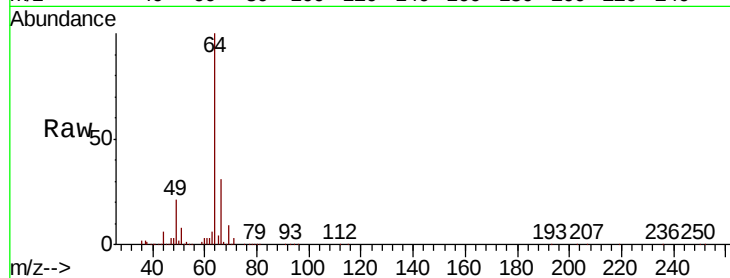
VSTD01072

Tgt Ion: 64 Resp: 149367

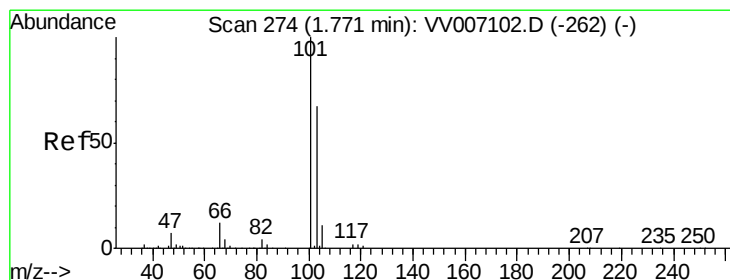
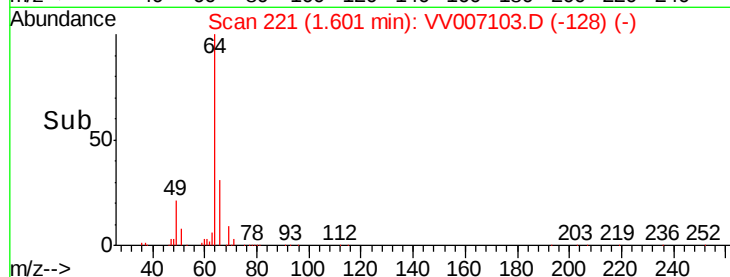
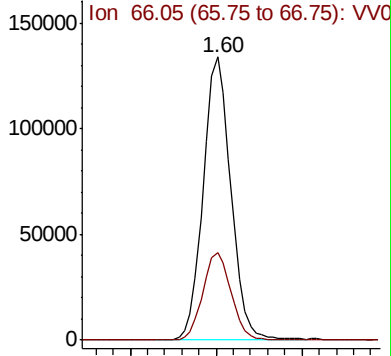
Ion Ratio Lower Upper

64 100

66 31.1 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VV007103.D (-128) (-)



#9

Trichlorofluoromethane

Concen: 9.002 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV007103.D

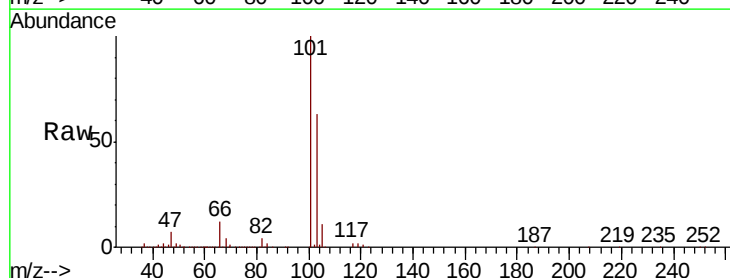
Acq: 21 Aug 2018 16:08

Tgt Ion: 101 Resp: 334620

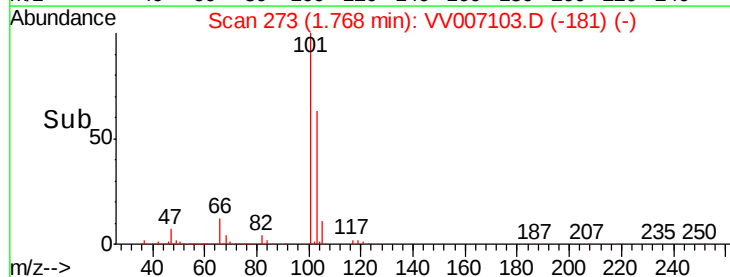
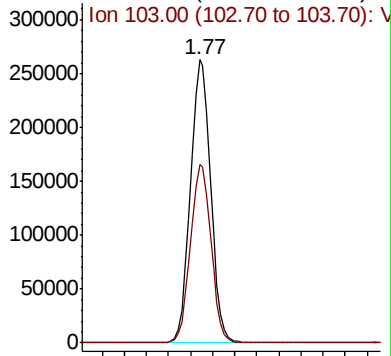
Ion Ratio Lower Upper

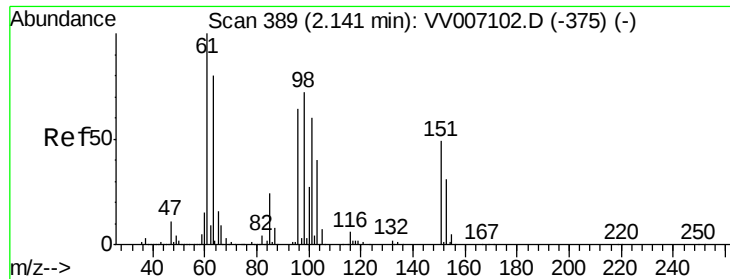
101 100

103 64.3 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV007103.D (-181) (-)





#10

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

Concen: 9.251 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

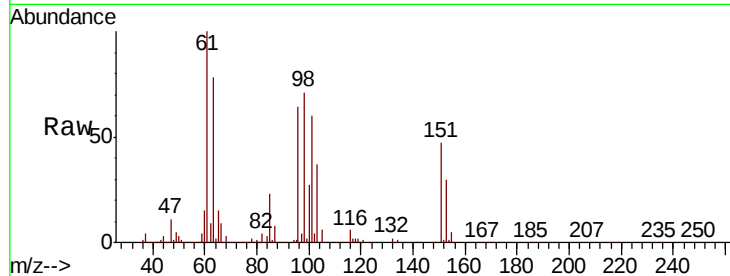
Tgt Ion: 101 Resp: 208311

Ion Ratio Lower Upper

101 100

85 40.4 31.9 47.9

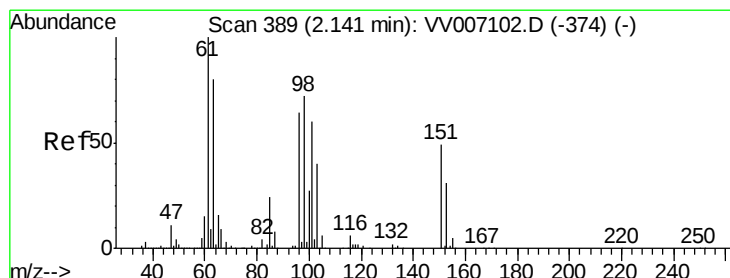
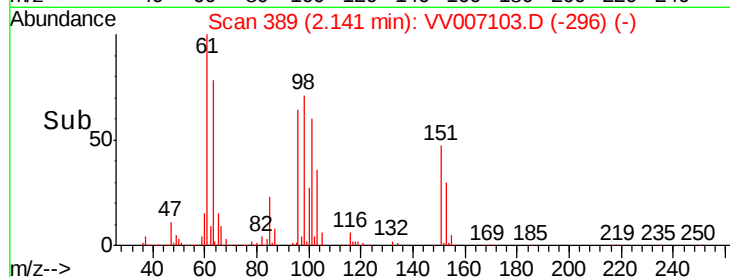
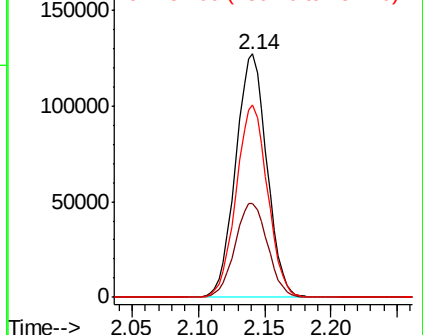
151 79.5 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV007102.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007102.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007102.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 8.864 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

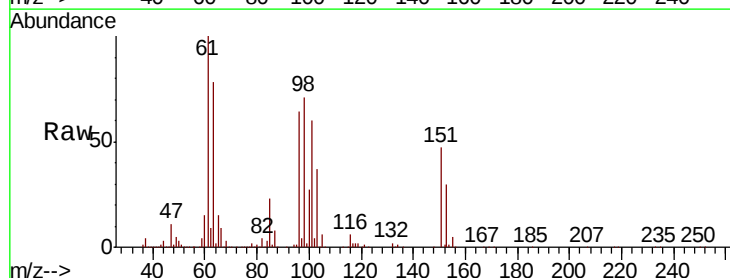
Tgt Ion: 96 Resp: 191781

Ion Ratio Lower Upper

96 100

61 156.8 108.7 201.9

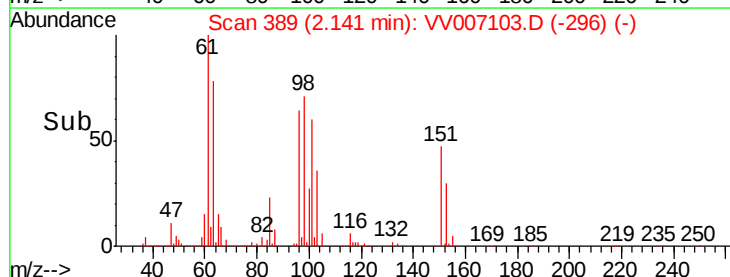
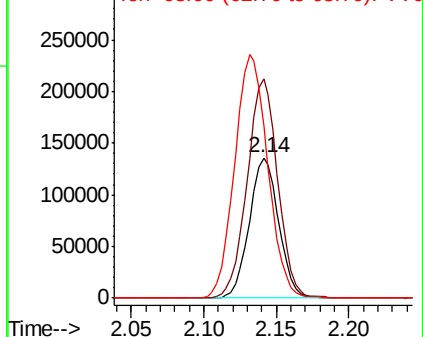
63 123.0 87.4 162.4

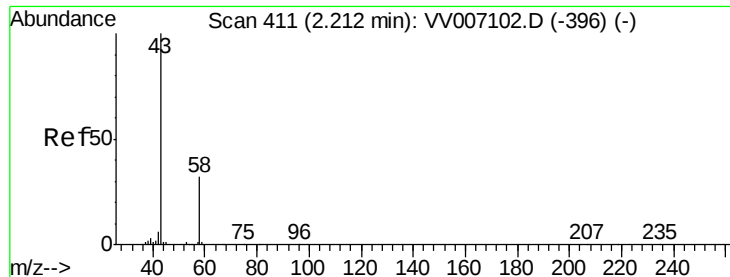


Abundance Ion 96.00 (95.70 to 96.70): VV007102.D (-374) (-)

Ion 61.05 (60.75 to 61.75): VV007102.D (-374) (-)

Ion 63.00 (62.70 to 63.70): VV007102.D (-374) (-)





#13

Acetone

Concen: 97.064 ug/L

RT: 2.21 min Scan# 412

Delta R.T. 0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

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ClientSampleId :

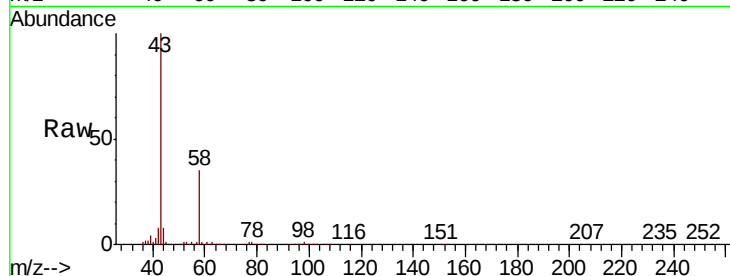
VSTD01072

Tgt Ion: 43 Resp: 280833

Ion Ratio Lower Upper

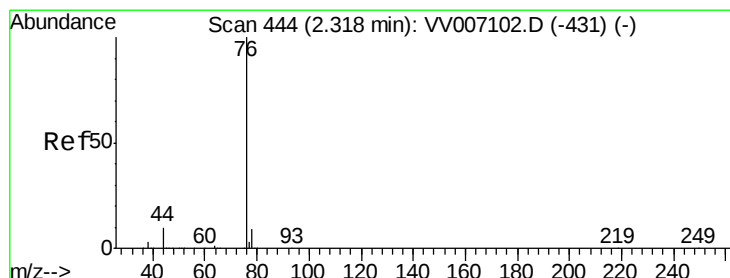
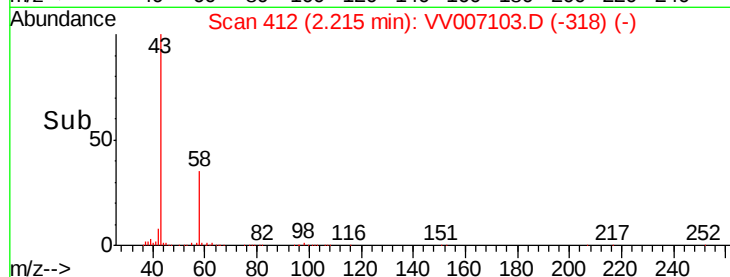
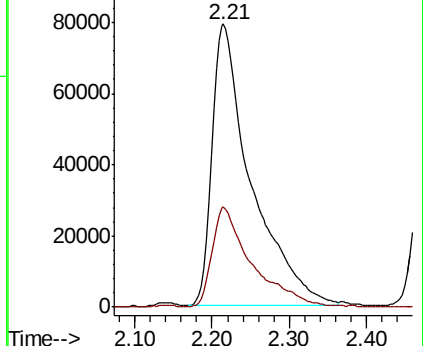
43 100

58 36.1 0.0 82.2



Abundance Ion 43.05 (42.75 to 43.75): VV007102.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007102.D (-396) (-)



#14

Carbon disulfide

Concen: 7.904 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007103.D

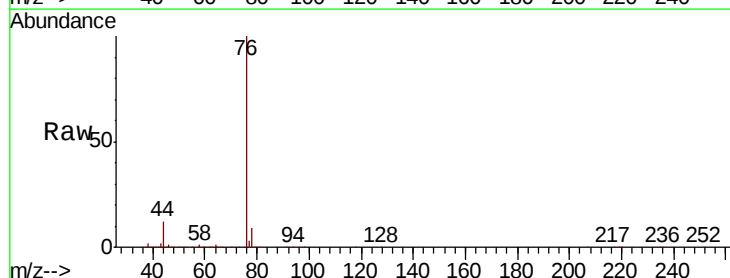
Acq: 21 Aug 2018 16:08

Tgt Ion: 76 Resp: 553071

Ion Ratio Lower Upper

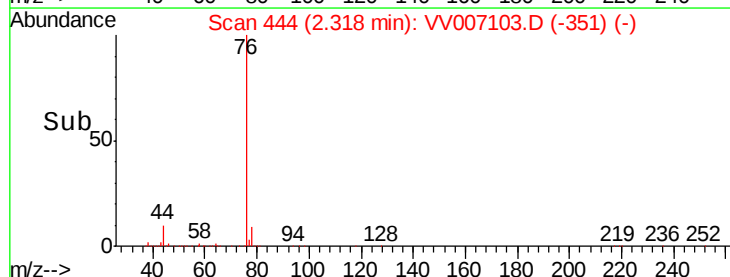
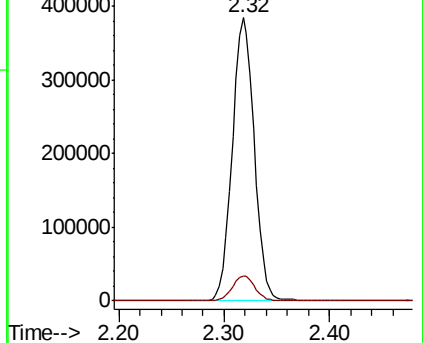
76 100

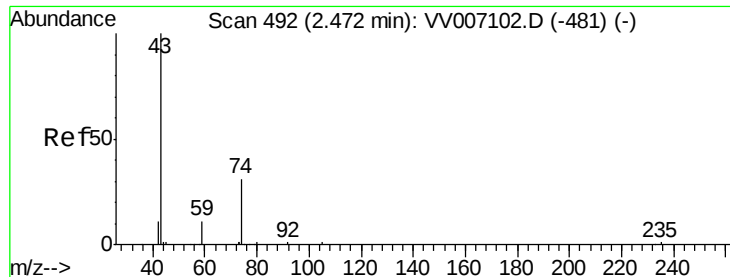
78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007102.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007102.D (-431) (-)

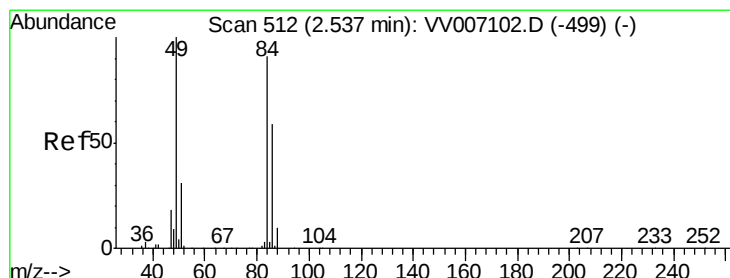
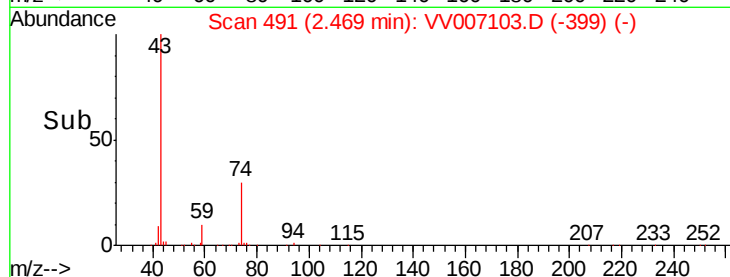
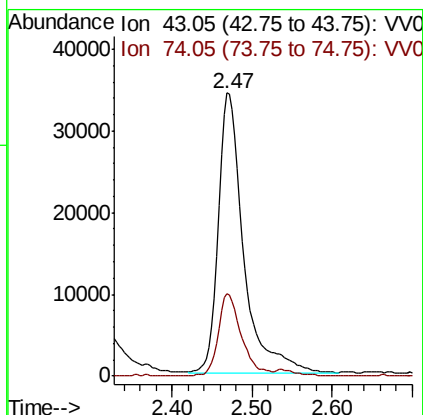
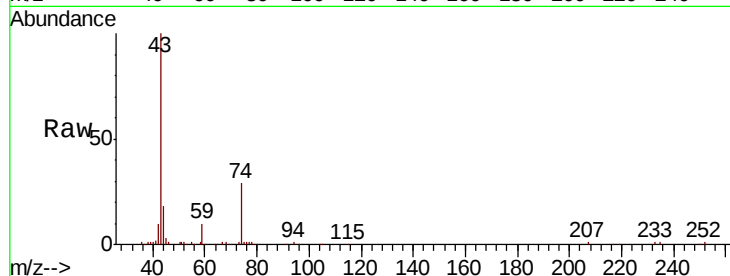




#15
Methyl Acetate
Concen: 9.290 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

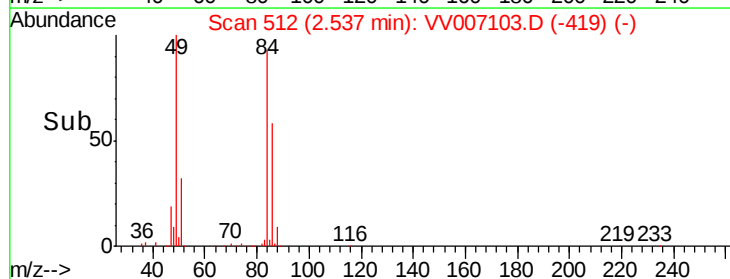
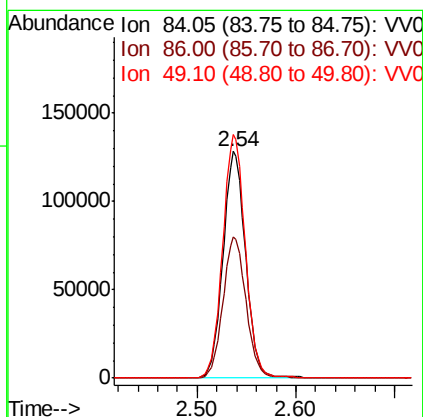
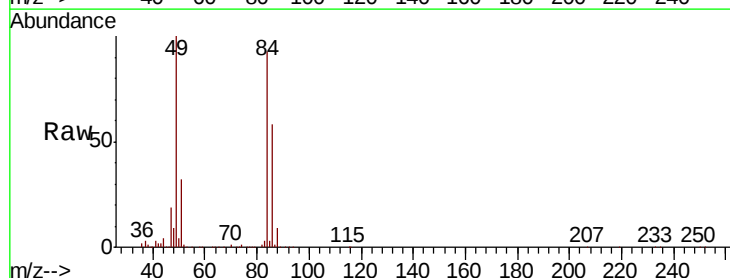
Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

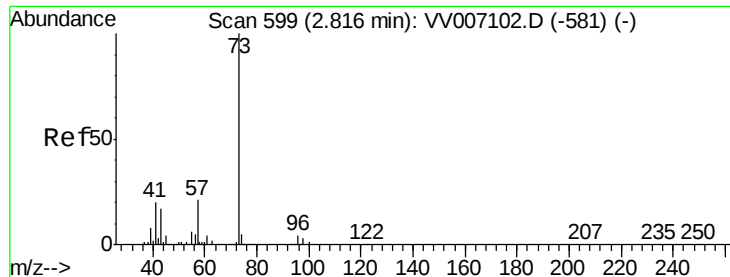
Tgt Ion: 43 Resp: 75136
Ion Ratio Lower Upper
43 100
74 26.9 25.0 37.6



#16
Methylene chloride
Concen: 7.933 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

Tgt Ion: 84 Resp: 207314
Ion Ratio Lower Upper
84 100
86 62.5 44.9 83.5
49 107.3 76.6 142.3

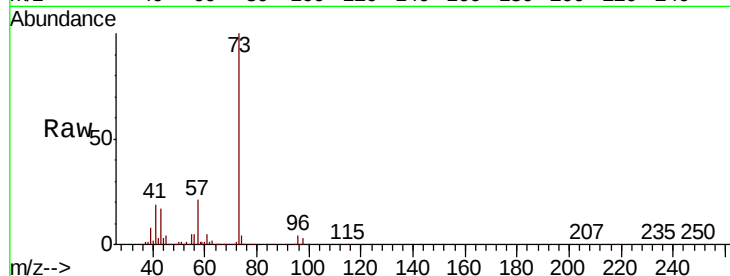




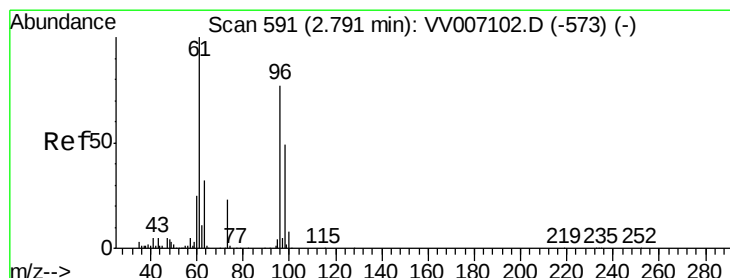
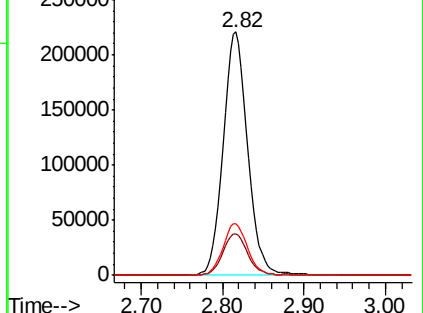
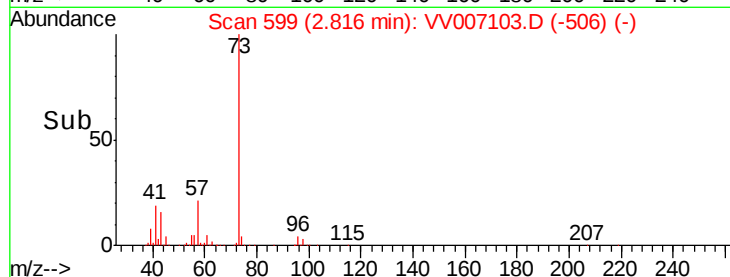
#17
Methyl tert-butyl Ether
Concen: 9.001 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Tgt Ion: 73 Resp: 469008
Ion Ratio Lower Upper
73 100
43 16.9 14.0 21.0
57 21.6 17.0 25.6

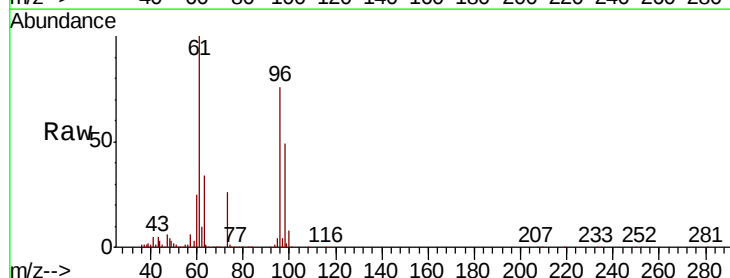


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

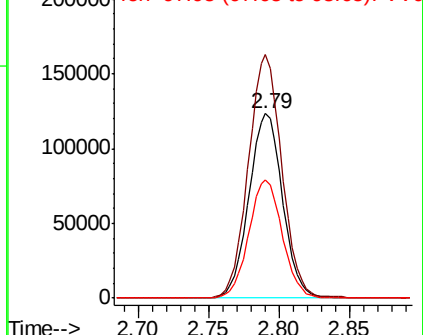
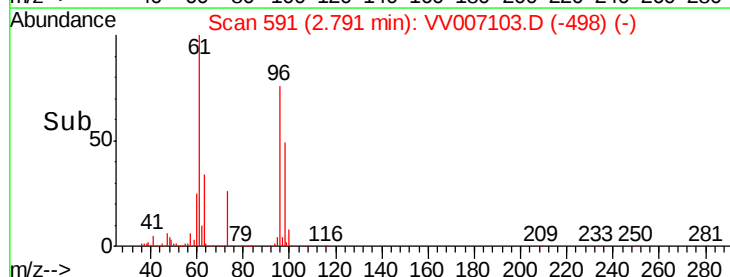


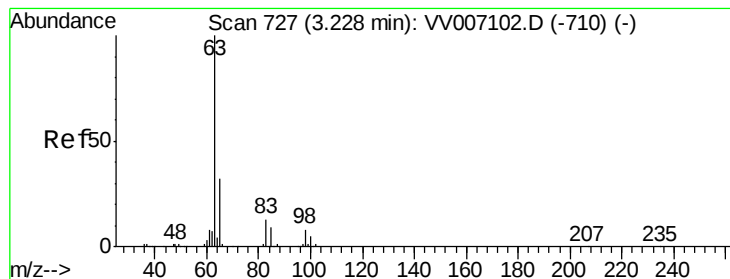
#18
trans-1,2-Dichloroethene
Concen: 8.898 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

Tgt Ion: 96 Resp: 206716
Ion Ratio Lower Upper
96 100
61 132.1 91.4 169.8
98 64.1 44.7 83.1



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: 8.667 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

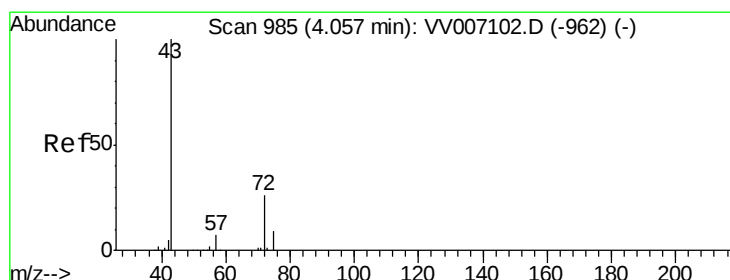
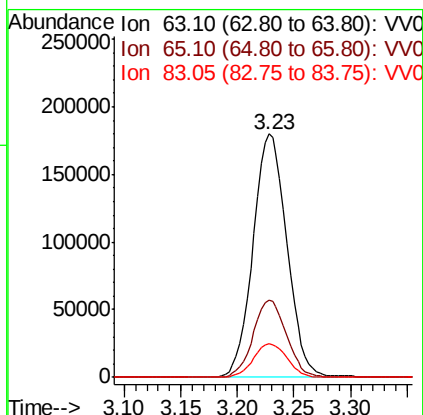
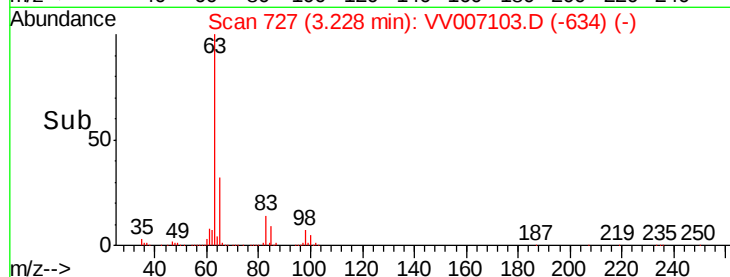
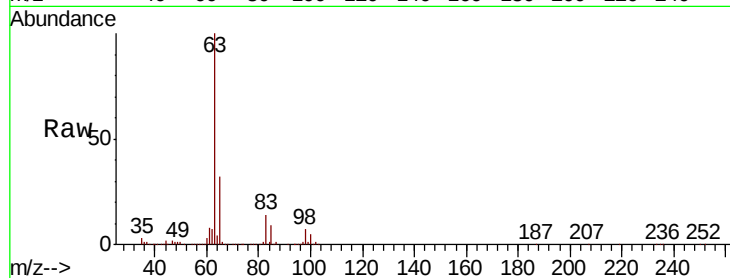
Tgt Ion: 63 Resp: 372831

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.9

83 13.7 8.8 16.3



#21

2-Butanone

Concen: 92.684 ug/L

RT: 4.06 min Scan# 985

Delta R.T. -0.00 min

Lab File: VV007103.D

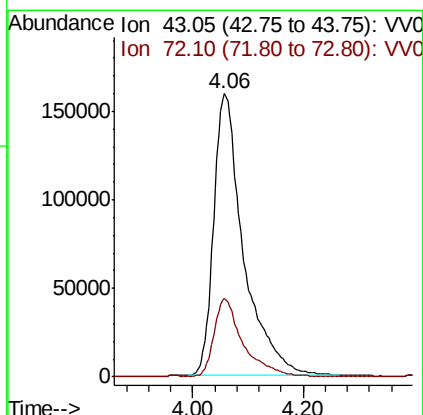
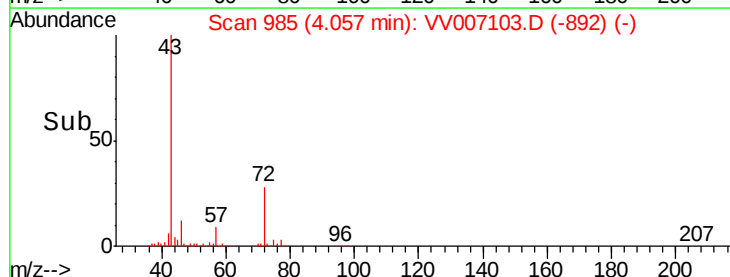
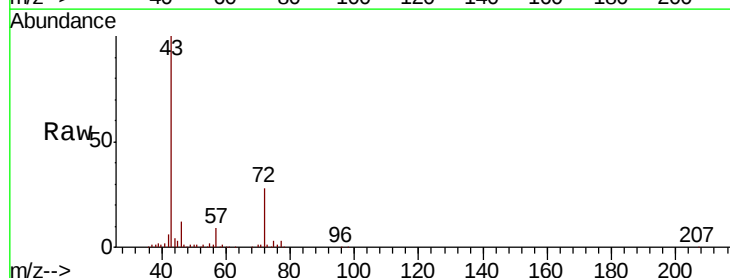
Acq: 21 Aug 2018 16:08

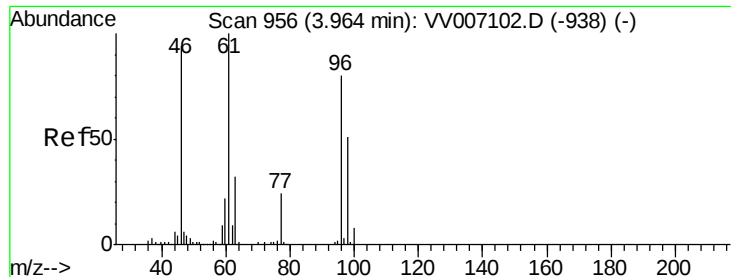
Tgt Ion: 43 Resp: 594368

Ion Ratio Lower Upper

43 100

72 26.8 11.5 34.5





#22

cis-1,2-Dichloroethene

Concen: 8.990 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

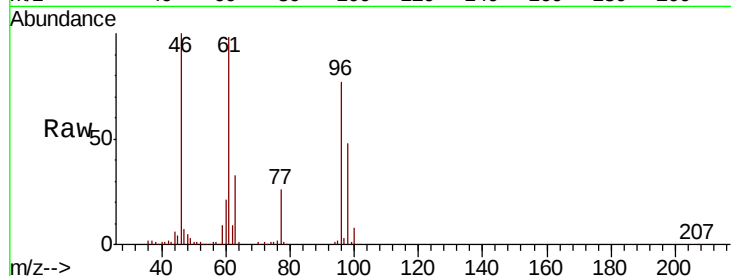
Tgt Ion: 96 Resp: 237327

Ion Ratio Lower Upper

96 100

61 127.1 87.7 162.9

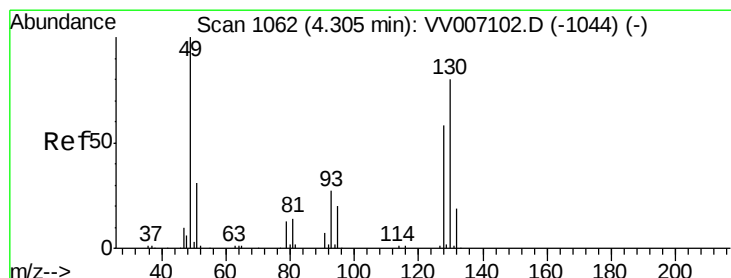
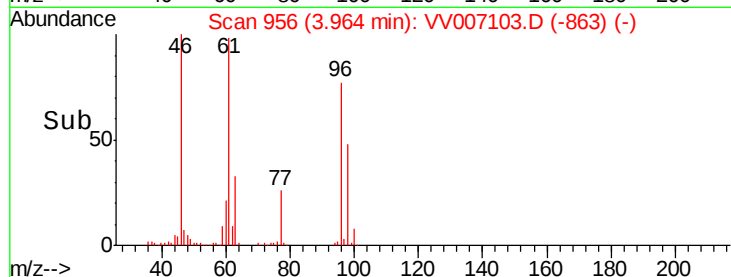
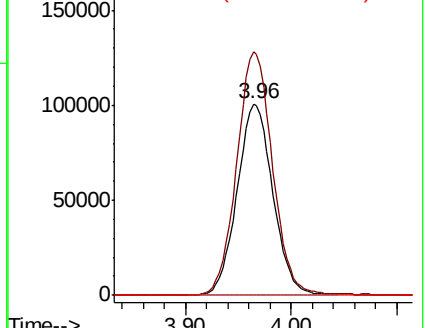
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007103.D (-963) (-)

Ion 61.05 (60.75 to 61.75): VV007103.D (-963) (-)

Ion 68.15 (67.85 to 68.85): VV007103.D (-963) (-)



#23

Bromochloromethane

Concen: 9.708 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Tgt Ion: 128 Resp: 106195

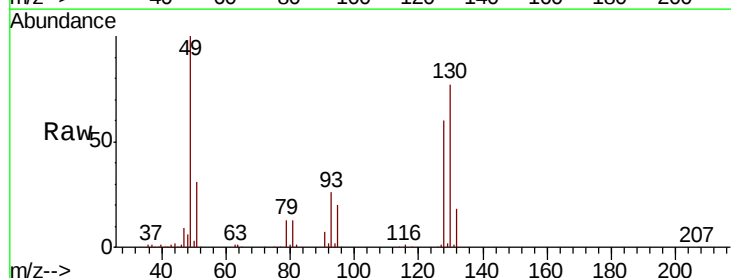
Ion Ratio Lower Upper

128 100

49 166.5 120.0 222.8

130 128.1 96.0 178.4

51 51.8 42.6 63.8

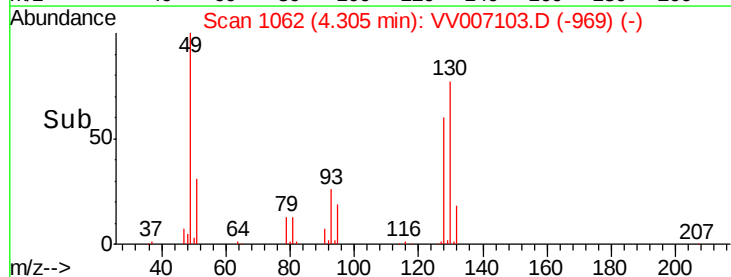
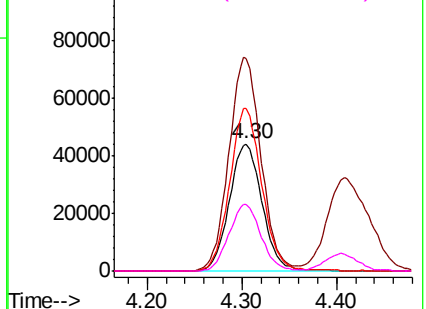


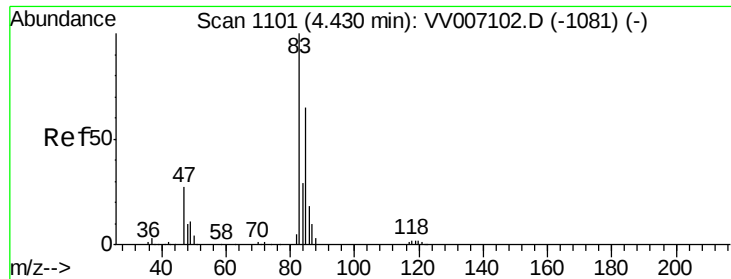
Abundance Ion 127.90 (127.60 to 128.60): VV007103.D (-969) (-)

Ion 49.10 (48.80 to 49.80): VV007103.D (-969) (-)

Ion 129.95 (129.65 to 130.65): VV007103.D (-969) (-)

Ion 51.05 (50.75 to 51.75): VV007103.D (-969) (-)

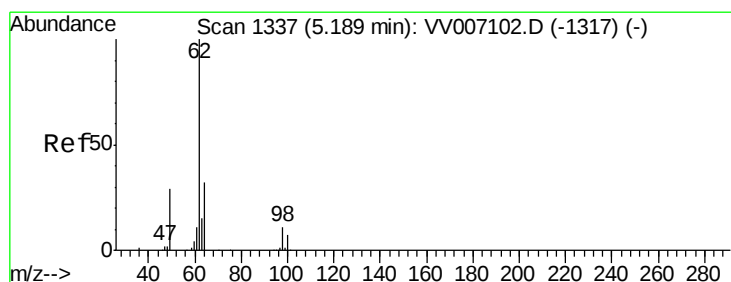
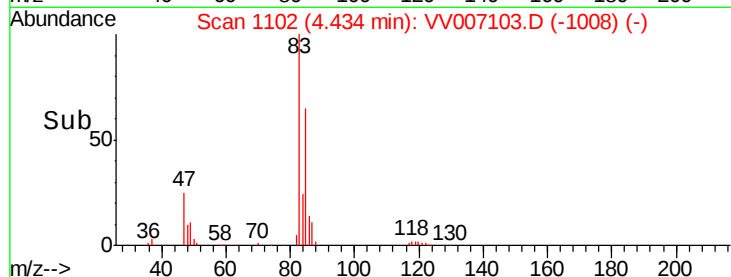
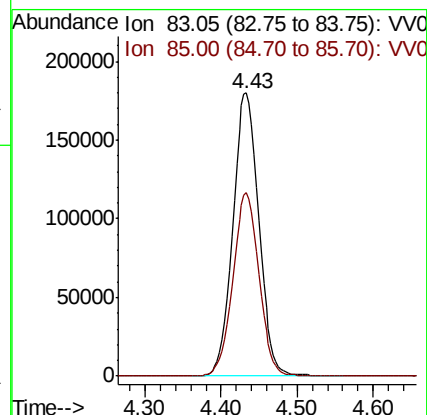
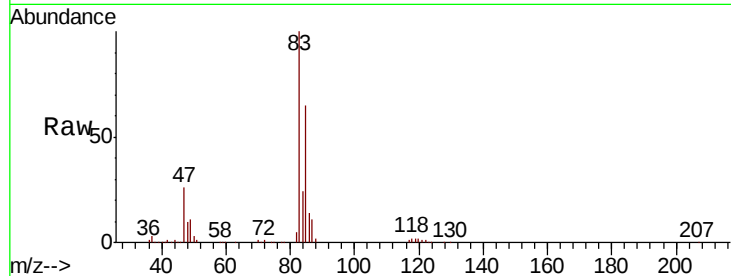




#25
Chloroform
Concen: 9.234 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

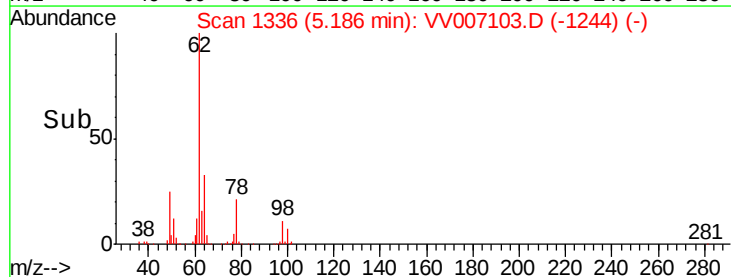
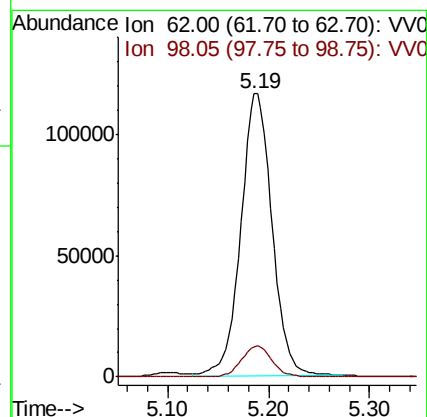
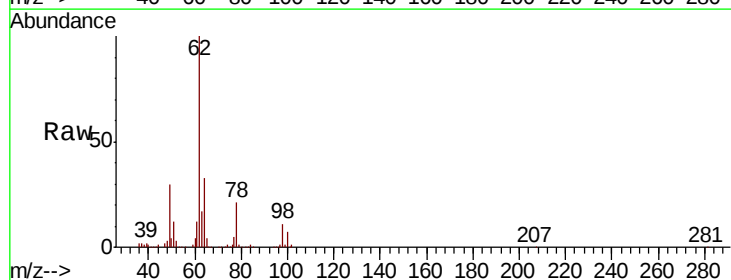
Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

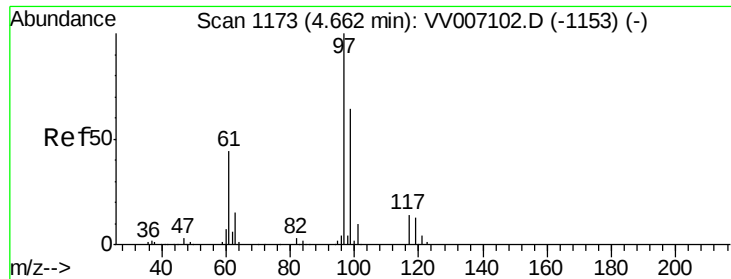
Tgt Ion: 83 Resp: 427222
Ion Ratio Lower Upper
83 100
85 64.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 8.763 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

Tgt Ion: 62 Resp: 250125
Ion Ratio Lower Upper
62 100
98 10.8 8.4 12.6

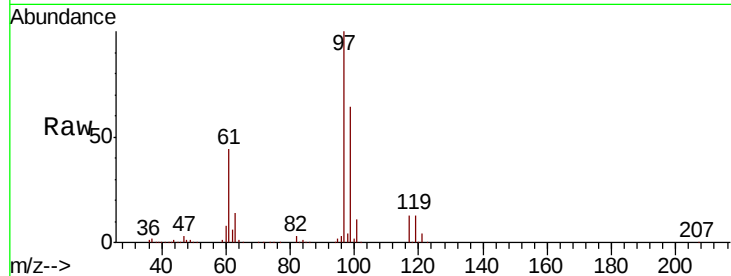




#29
 1,1,1-Trichloroethane
 Concen: 9.206 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	43.4	35.3	52.9

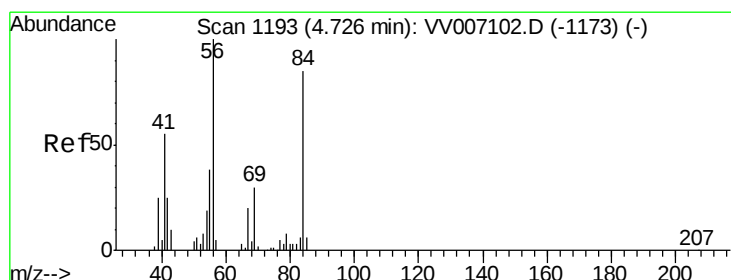
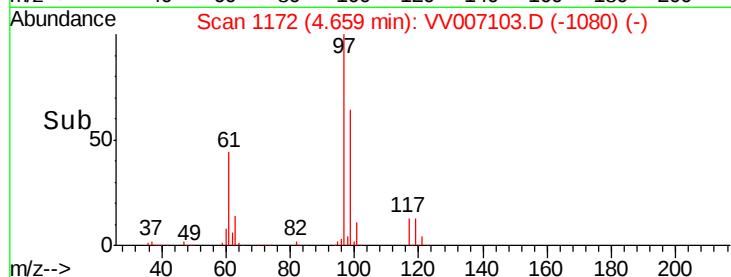
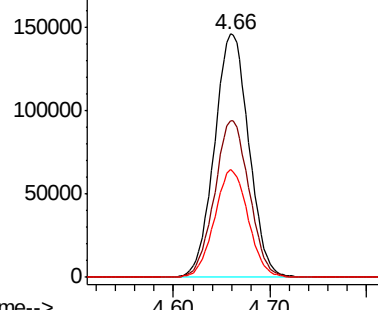


Abundance

Ion 96.95 (96.65 to 97.65): VV0

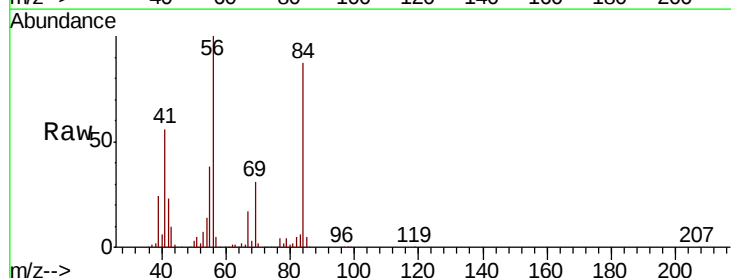
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 8.626 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.3	36.5
84	88.8	69.8	104.6

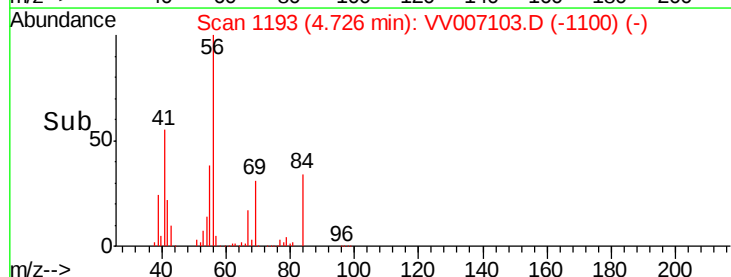
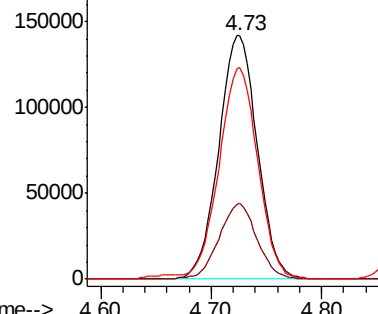


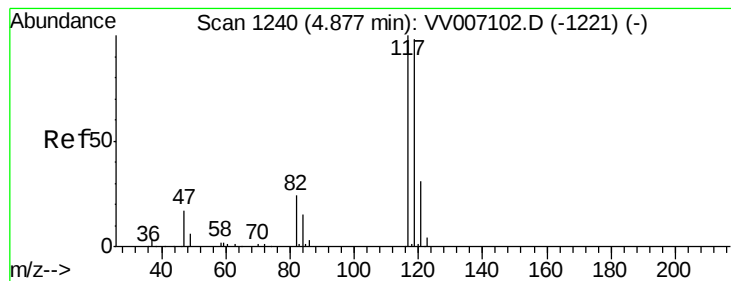
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 9.431 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

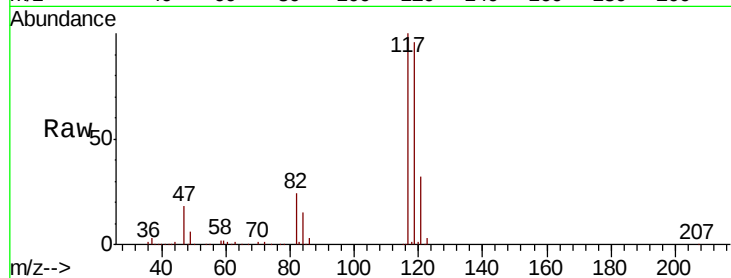
VSTD01072

Tgt Ion:117 Resp: 309475

Ion Ratio Lower Upper

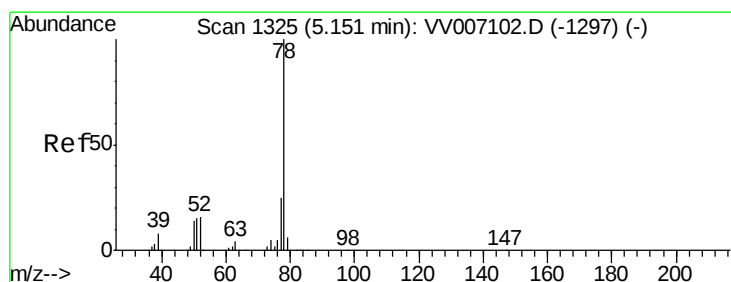
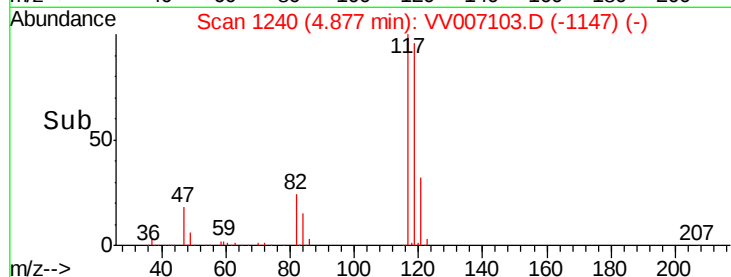
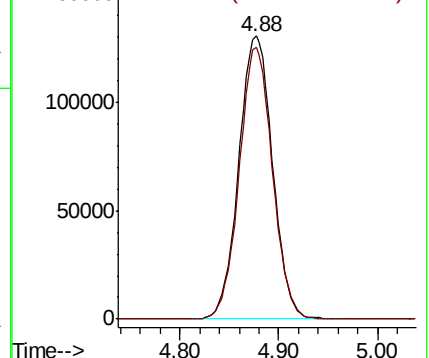
117 100

119 94.4 75.0 112.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.464 ug/L

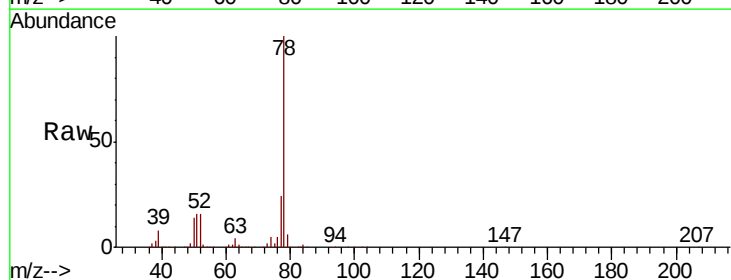
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

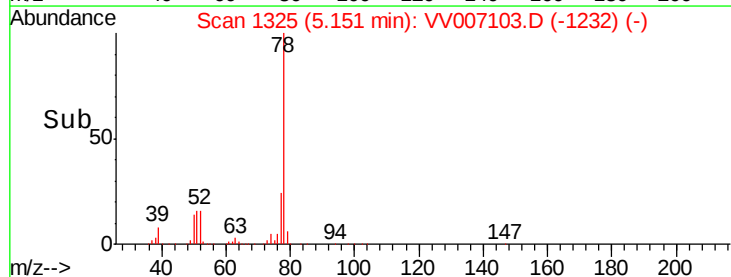
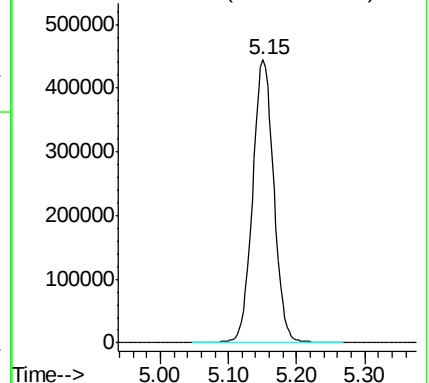
Lab File: VV007103.D

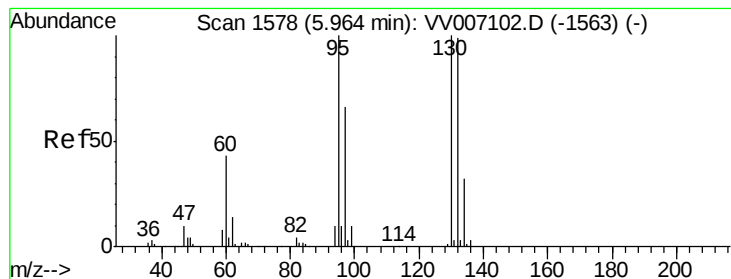
Acq: 21 Aug 2018 16:08

Tgt Ion: 78 Resp: 960196



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.229 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

Tgt Ion: 95 Resp: 224569

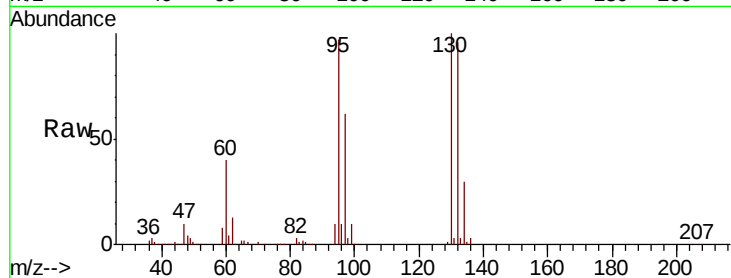
Ion Ratio Lower Upper

95 100

97 64.0 46.0 85.4

132 99.1 69.2 128.4

130 103.2 69.7 129.4

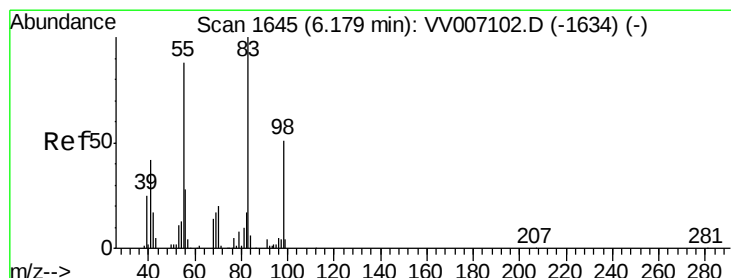
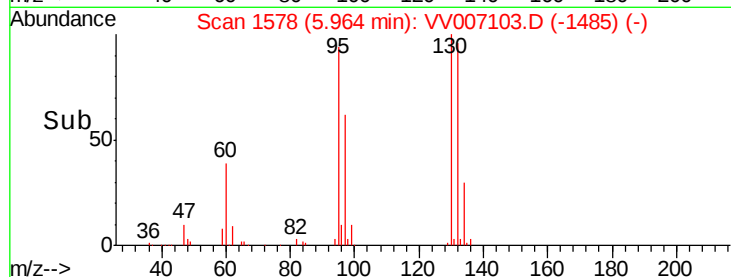
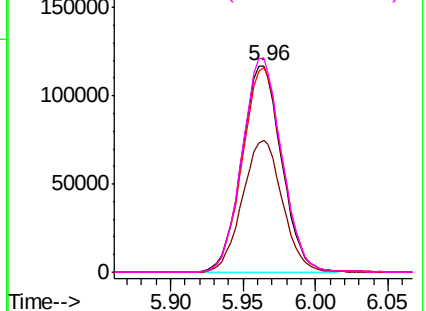


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 9.474 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

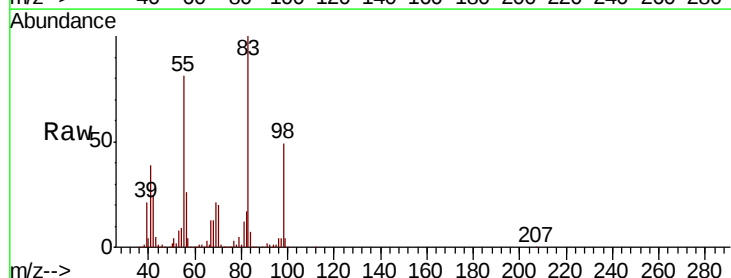
Tgt Ion: 83 Resp: 366289

Ion Ratio Lower Upper

83 100

55 80.9 65.5 98.3

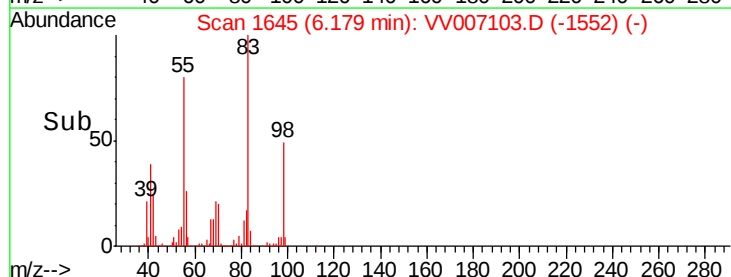
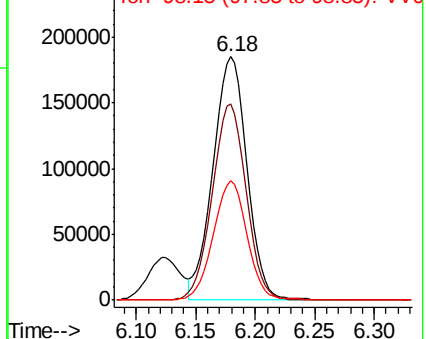
98 48.9 38.5 57.7

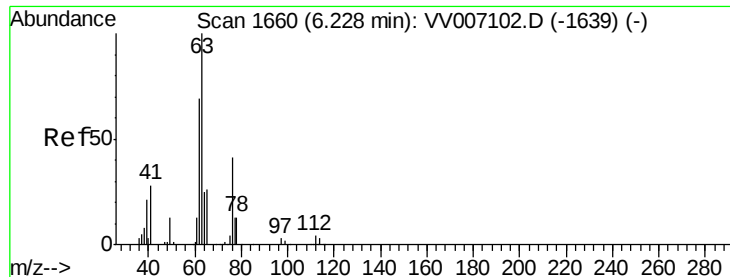


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

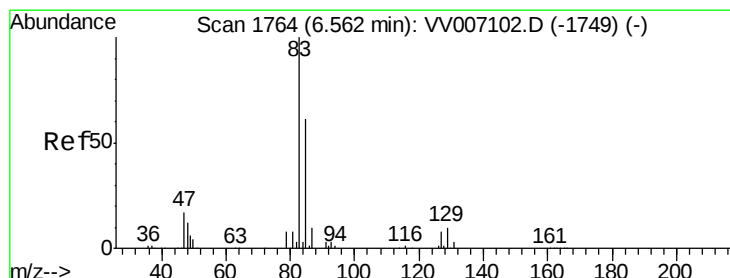
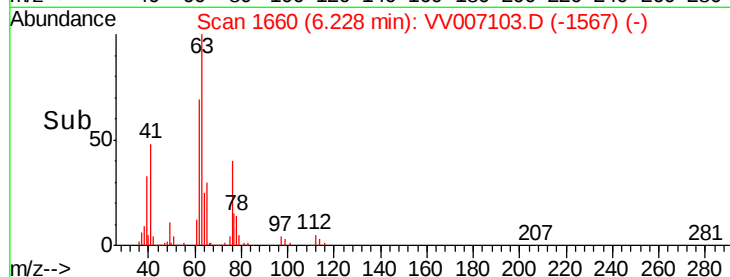
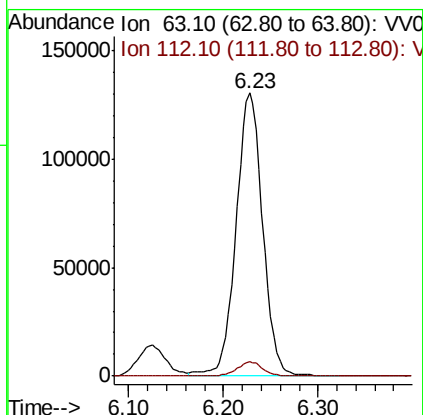
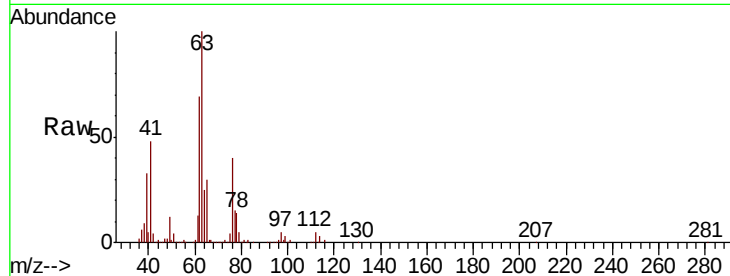




#37
 1,2-Dichloropropane
 Concen: 9.137 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

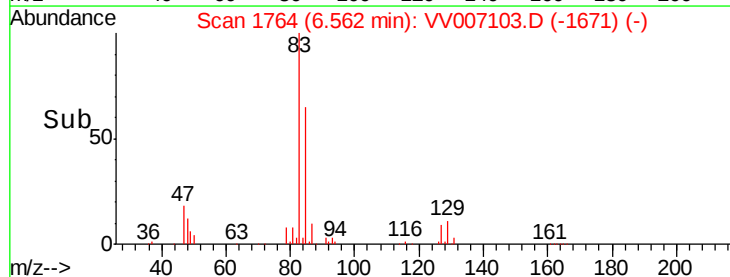
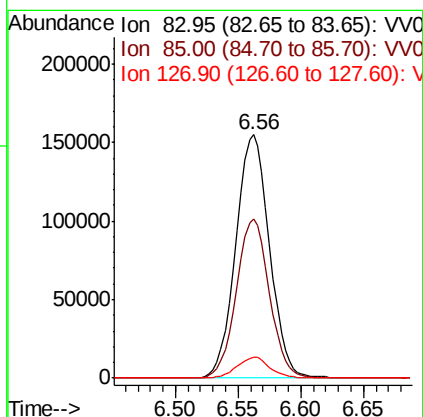
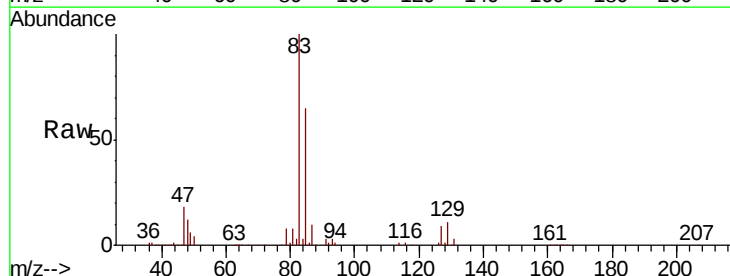
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01072

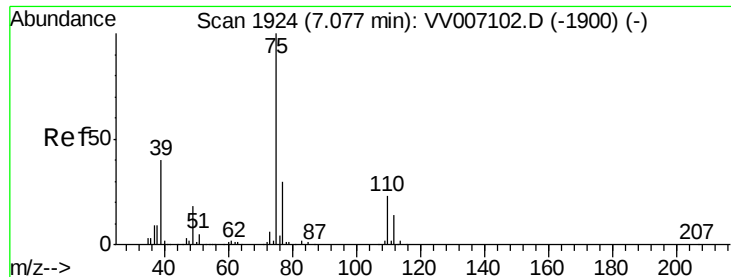
Tgt Ion: 63 Resp: 253914
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#38
 Bromodichloromethane
 Concen: 9.133 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Tgt Ion: 83 Resp: 289628
 Ion Ratio Lower Upper
 83 100
 85 65.4 42.8 79.4
 127 8.7 6.6 10.0

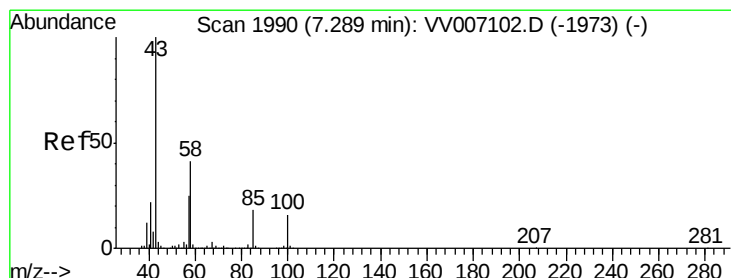
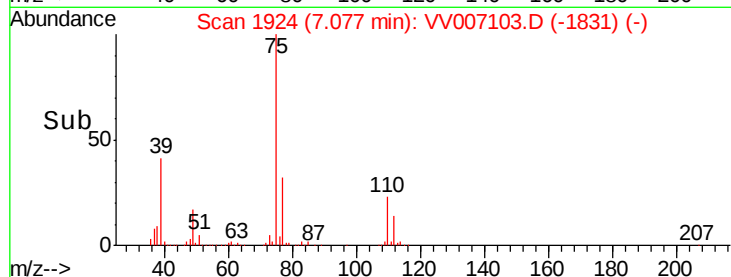
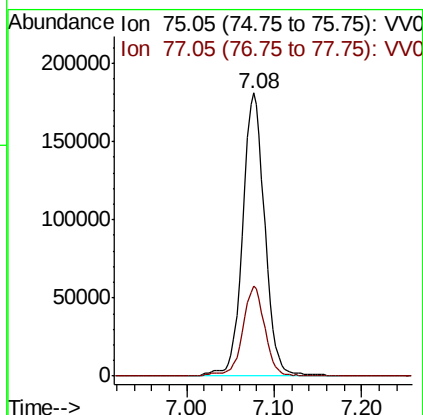
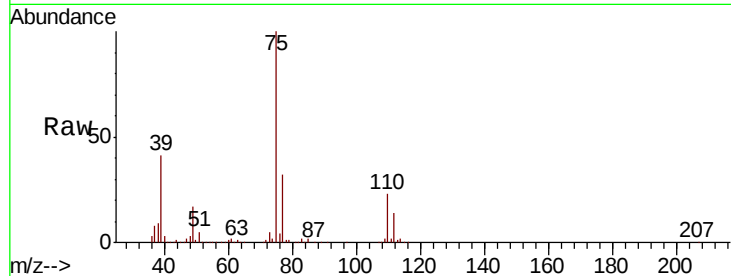




#39
 cis-1,3-Dichloropropene
 Concen: 9.495 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

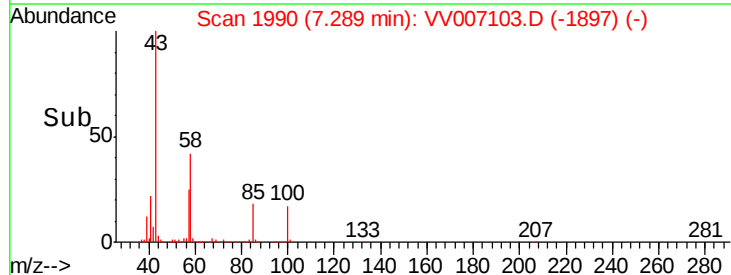
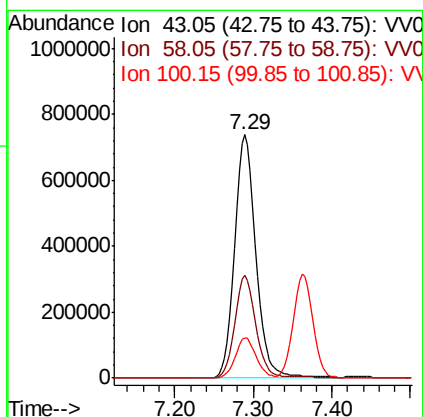
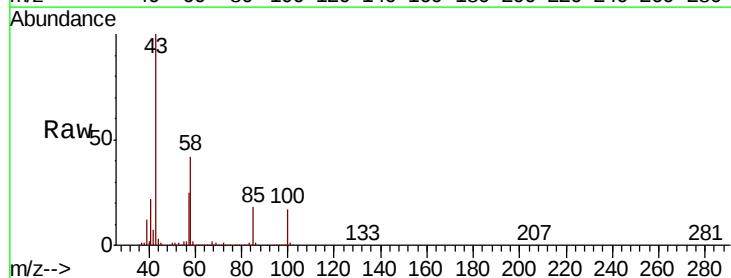
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

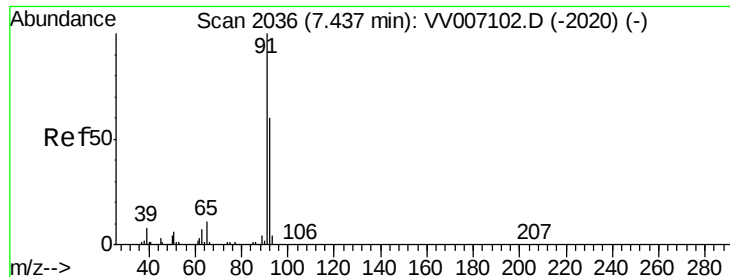
Tgt Ion: 75 Resp: 318918
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 93.140 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Tgt Ion: 43 Resp: 1378726
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.2 48.4
 100 16.2 12.3 18.5





#42

Toluene

Concen: 10.090 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

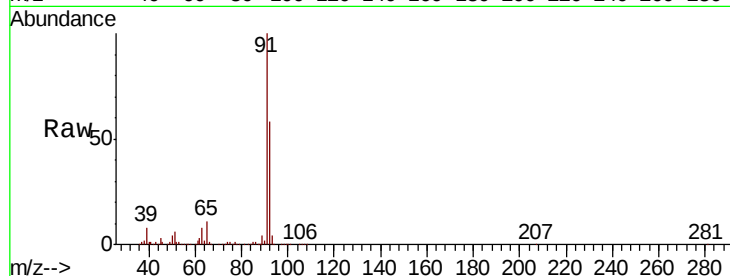
VSTD01072

Tgt Ion: 91 Resp: 985409

Ion Ratio Lower Upper

91 100

92 57.9 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VV007103.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV007103.D (-1943) (-)

7.44

600000

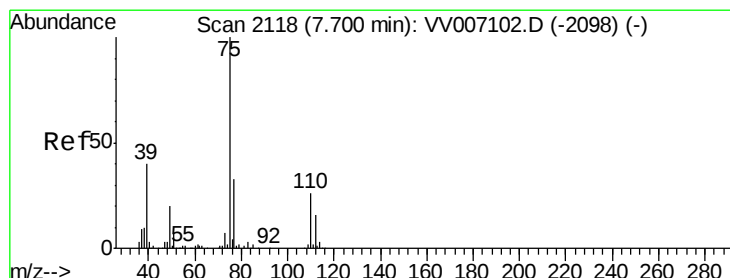
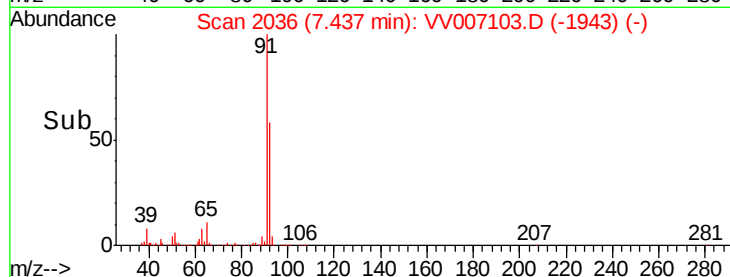
400000

200000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.565 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV007103.D

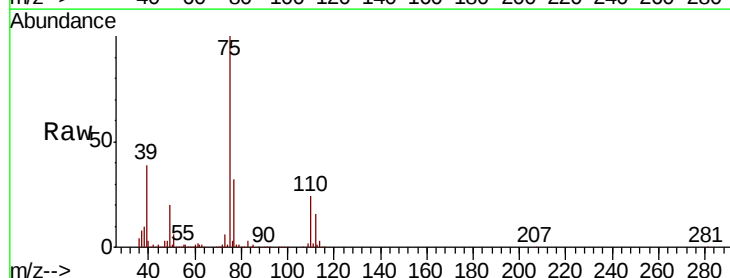
Acq: 21 Aug 2018 16:08

Tgt Ion: 75 Resp: 263777

Ion Ratio Lower Upper

75 100

77 31.9 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV007103.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV007103.D (-2025) (-)

7.70

150000

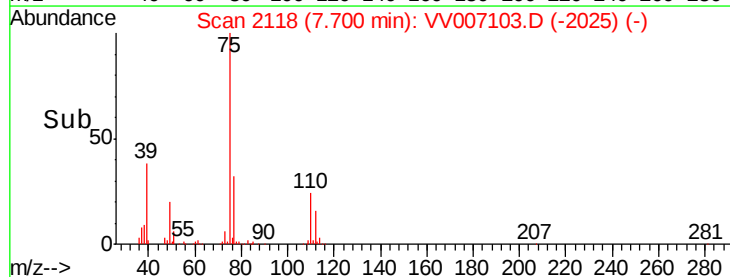
100000

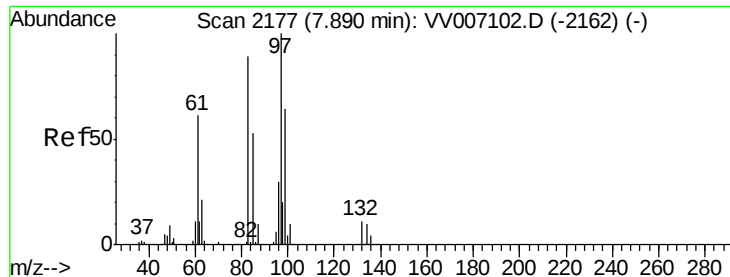
50000

0

7.60 7.70 7.80

Time-->

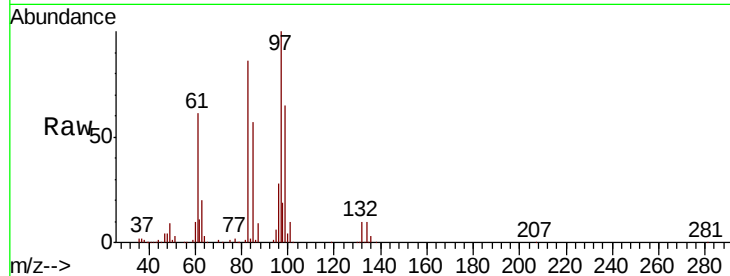




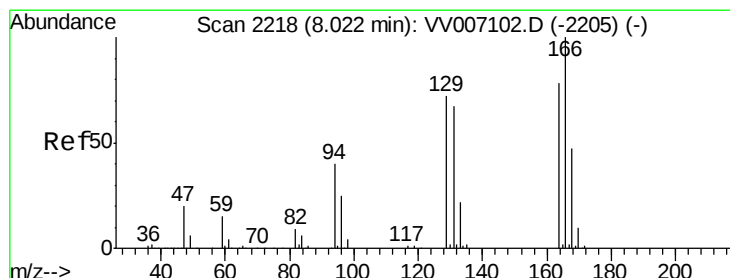
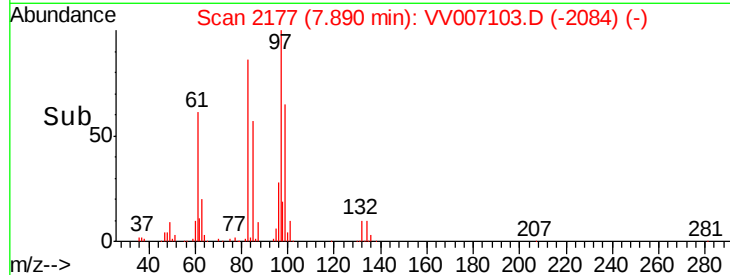
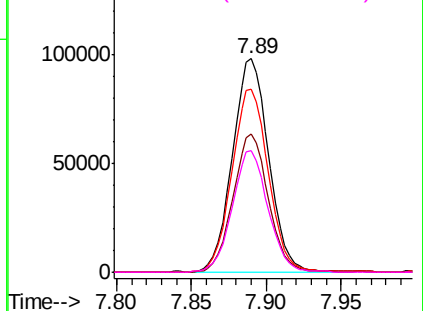
#45
 1,1,2-Trichloroethane
 Concen: 9.039 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion:	97	Resp:	164924
Ion	Ratio	Lower	Upper
97	100		
99	64.6	44.9	83.5
83	85.7	62.4	115.8
85	57.1	37.0	68.6

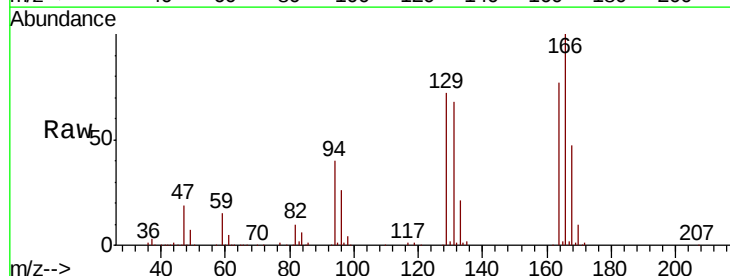


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

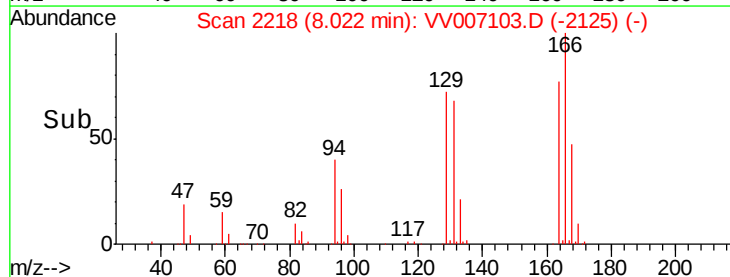
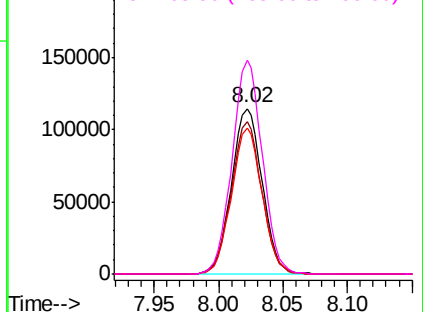


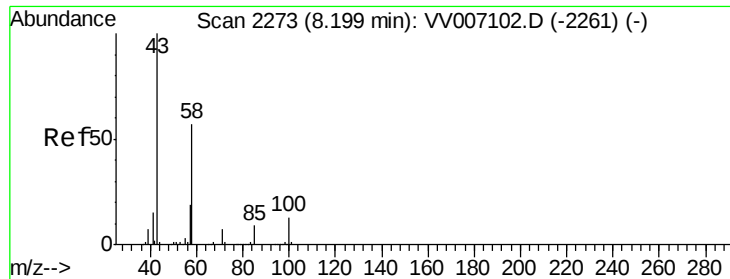
#47
 Tetrachloroethene
 Concen: 9.545 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Tgt Ion:	164	Resp:	190725
Ion	Ratio	Lower	Upper
164	100		
129	92.4	64.8	120.3
131	88.0	60.1	111.5
166	129.1	89.3	165.9



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

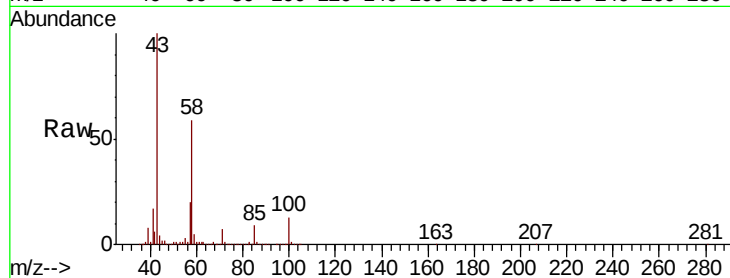




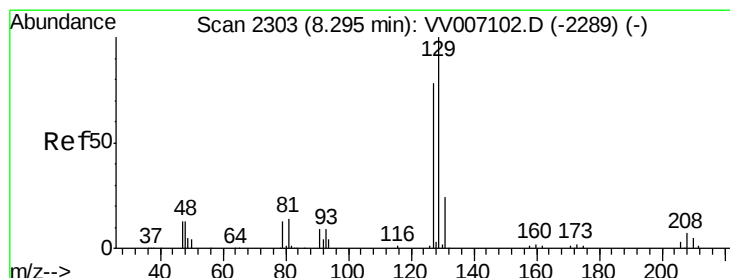
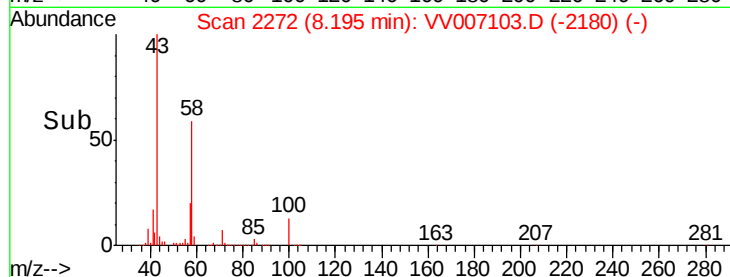
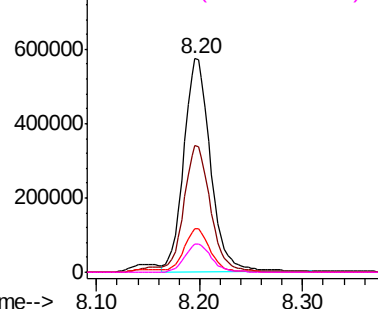
#48
2-Hexanone
Concen: 97.454 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD01072

Tgt Ion: 43 Resp: 1030863
Ion Ratio Lower Upper
43 100
58 61.8 47.7 71.5
57 20.2 15.4 23.0
100 13.1 9.7 14.5

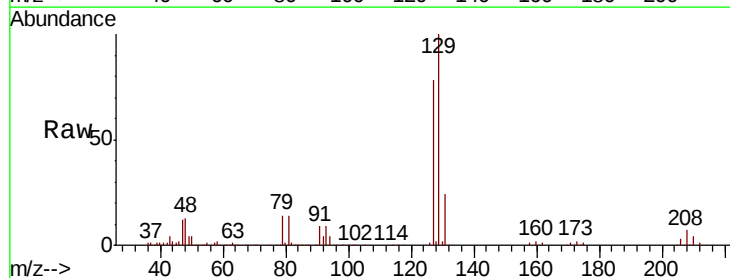


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

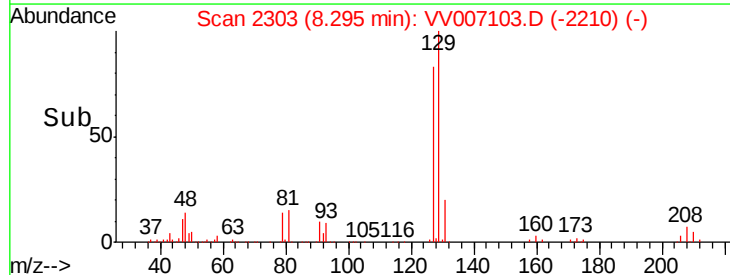
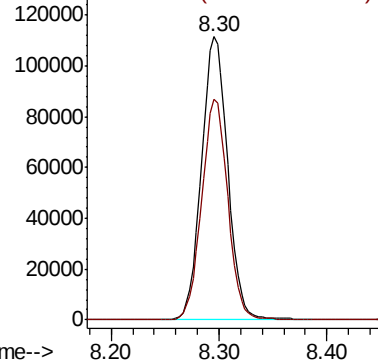


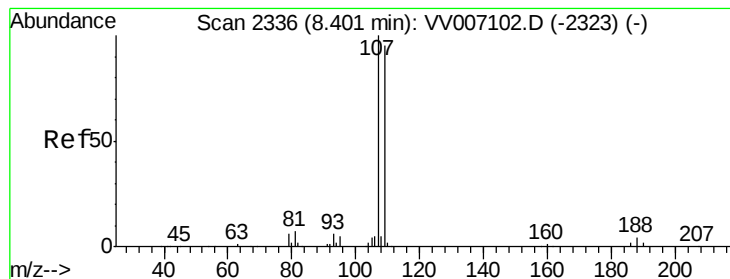
#49
Dibromochloromethane
Concen: 9.853 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007103.D
Acq: 21 Aug 2018 16:08

Tgt Ion: 129 Resp: 189518
Ion Ratio Lower Upper
129 100
127 78.0 54.8 101.8



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





#50

1,2-Dibromoethane

Concen: 9.546 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

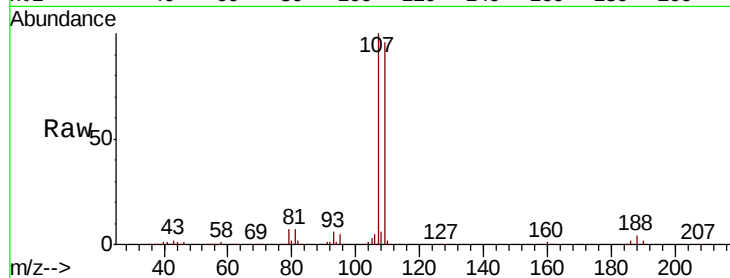
Tgt Ion:107 Resp: 146920

Ion Ratio Lower Upper

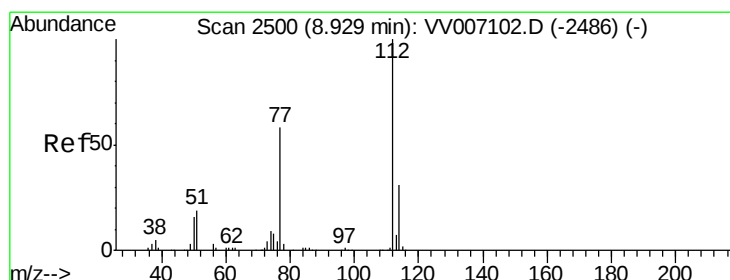
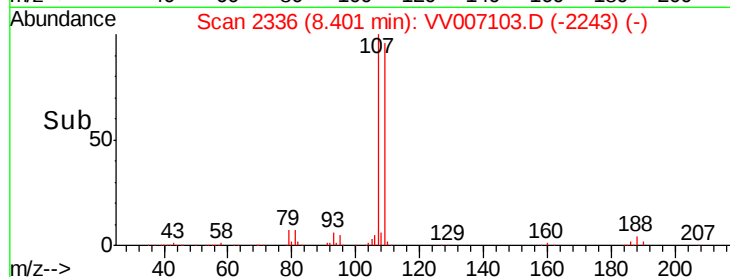
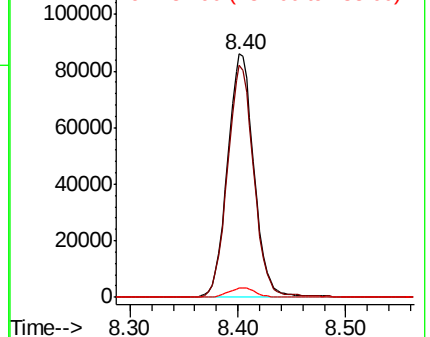
107 100

109 95.6 66.8 124.2

188 3.9 2.9 4.3



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: 9.599 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

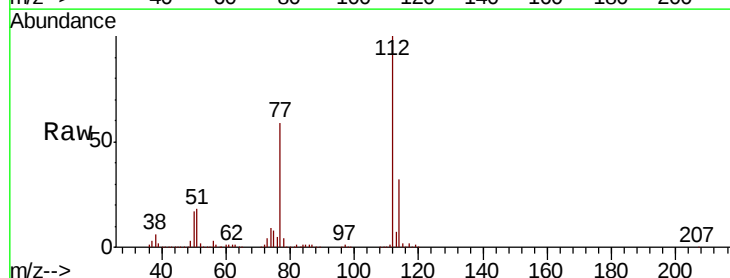
Tgt Ion:112 Resp: 601750

Ion Ratio Lower Upper

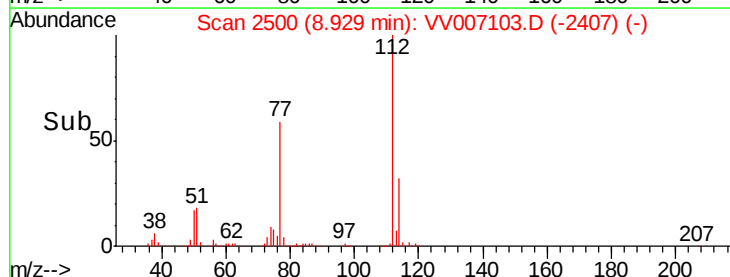
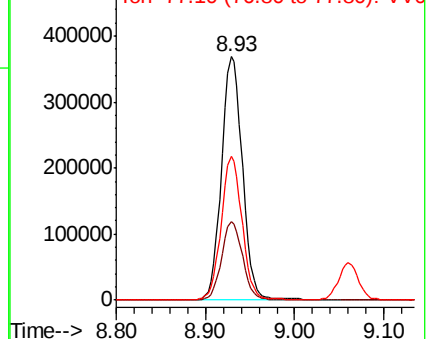
112 100

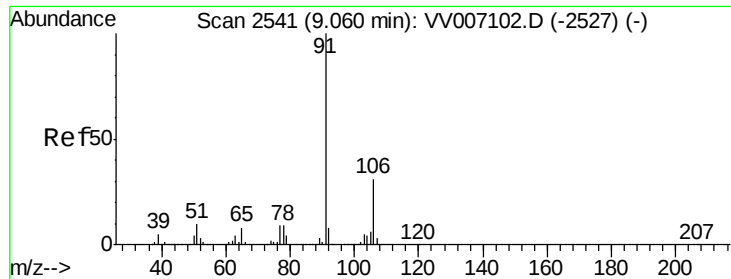
114 32.0 21.9 40.7

77 59.1 46.9 70.3



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: 10.038 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

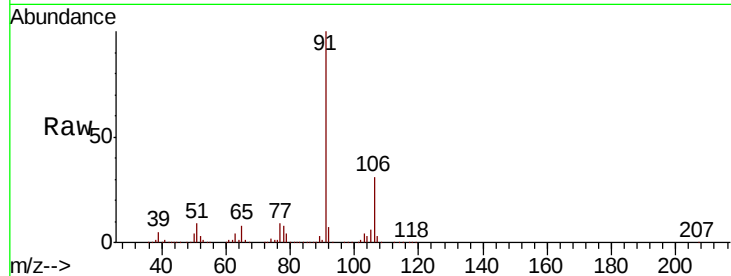
VSTD01072

Tgt Ion: 91 Resp: 976397

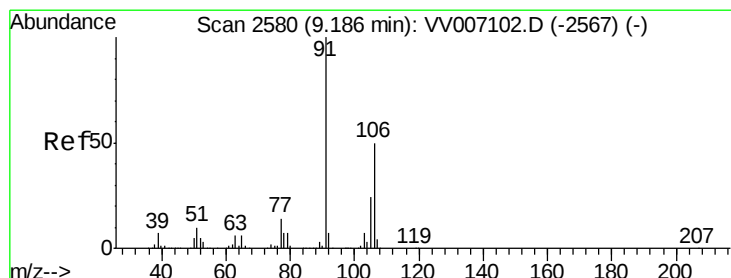
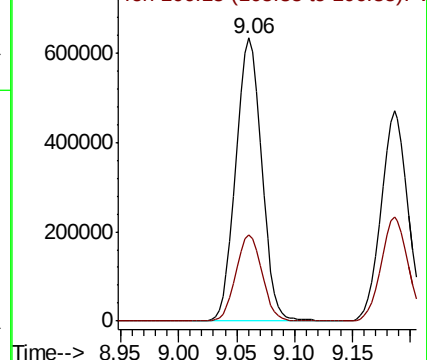
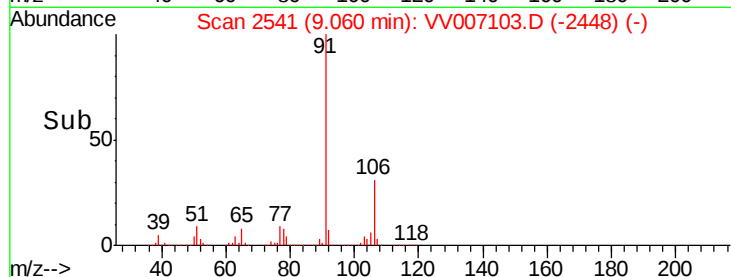
Ion Ratio Lower Upper

91 100

106 30.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007103.D (-2448) (-)



#53

m,p-xylene

Concen: 10.412 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007103.D

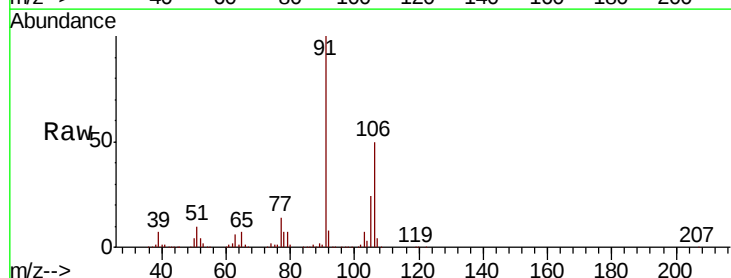
Acq: 21 Aug 2018 16:08

Tgt Ion: 106 Resp: 379997

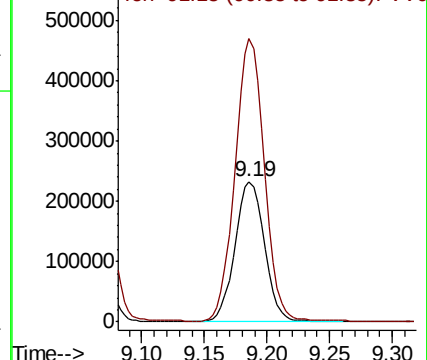
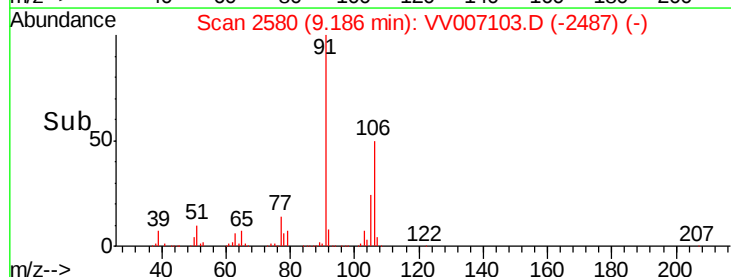
Ion Ratio Lower Upper

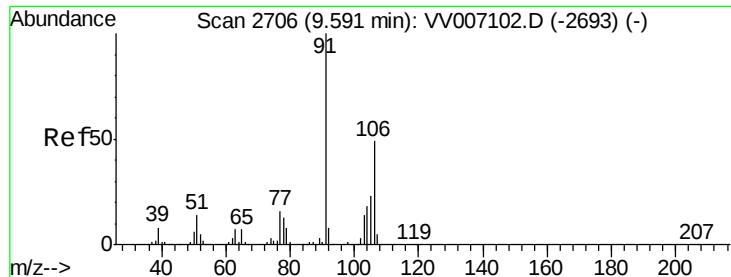
106 100

91 201.9 141.5 262.7



Abundance Ion 106.15 (105.85 to 106.85): VV007103.D (-2487) (-)





#54

o-xylene

Concen: 10.053 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

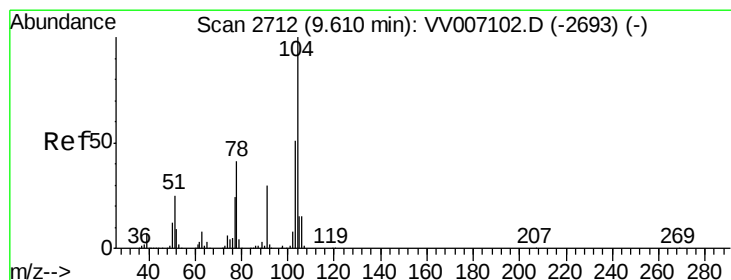
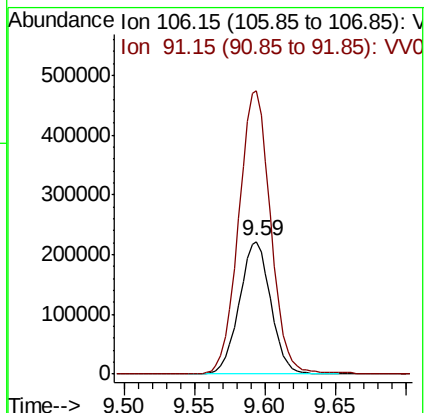
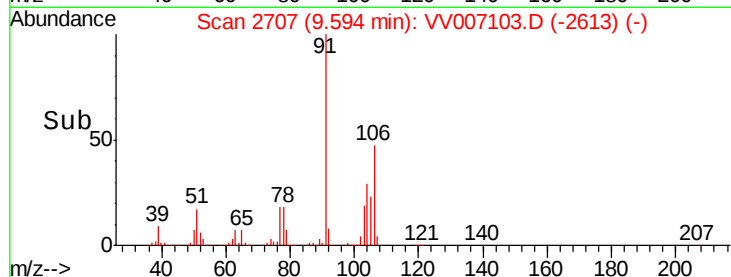
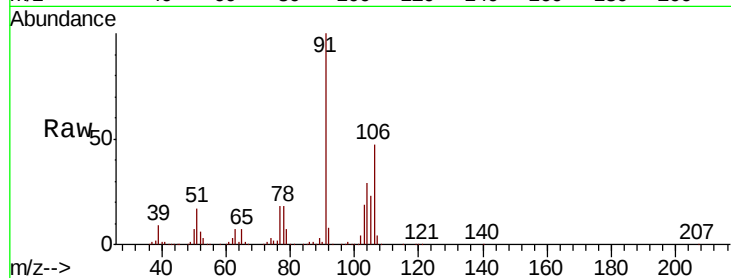
VSTD01072

Tgt Ion:106 Resp: 347569

Ion Ratio Lower Upper

106 100

91 213.7 144.2 267.8



#55

Styrene

Concen: 11.055 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV007103.D

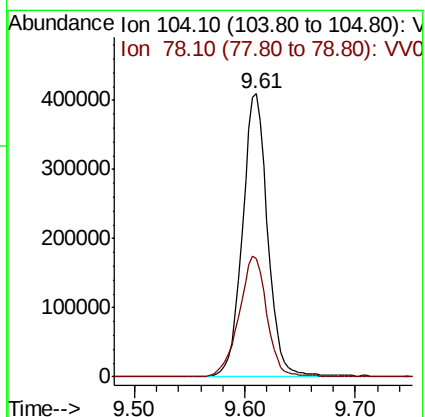
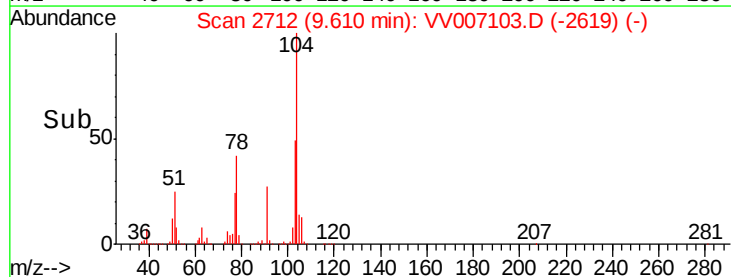
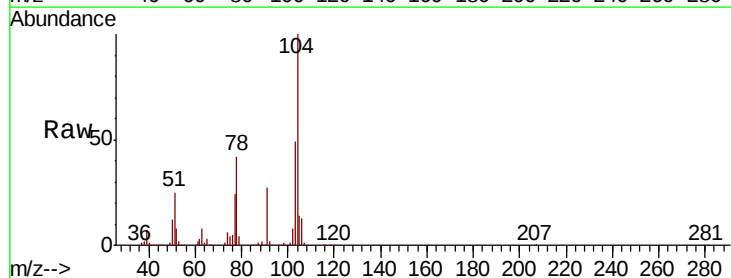
Acq: 21 Aug 2018 16:08

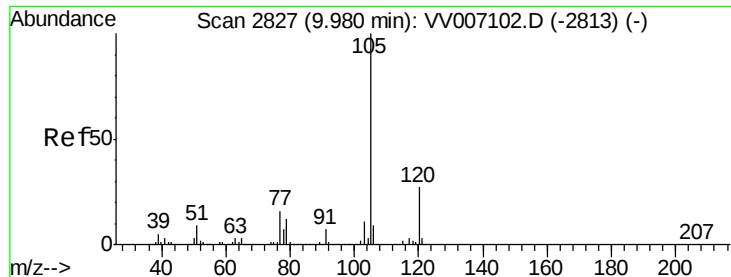
Tgt Ion:104 Resp: 645548

Ion Ratio Lower Upper

104 100

78 41.7 28.9 53.7





#56

Isopropylbenzene

Concen: 10.402 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

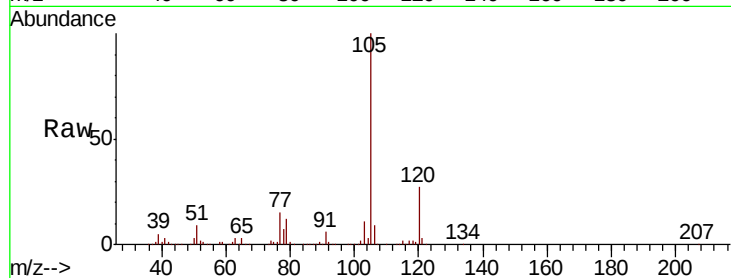
Tgt Ion: 105 Resp: 940296

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.8

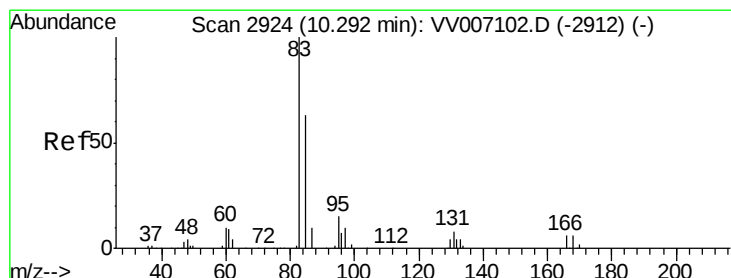
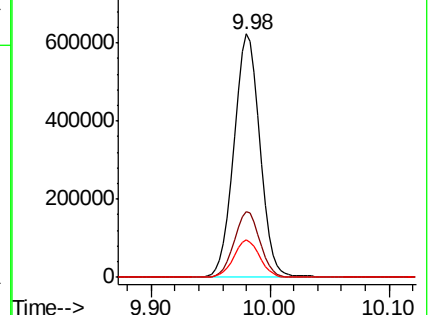
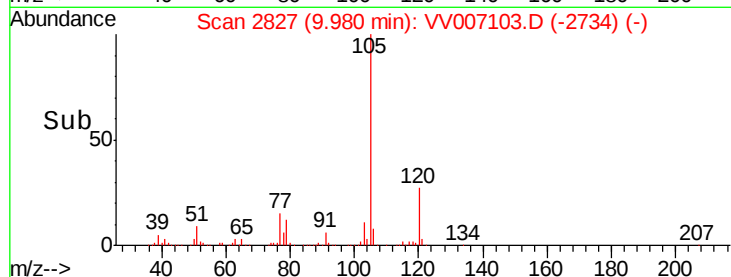
77 15.5 12.6 18.8



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: 9.084 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

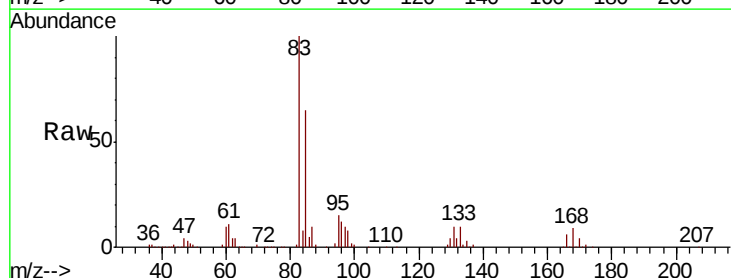
Tgt Ion: 83 Resp: 200024

Ion Ratio Lower Upper

83 100

85 65.5 44.4 82.5

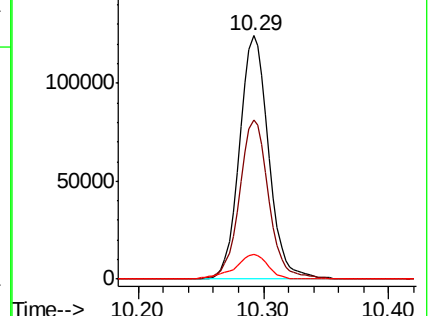
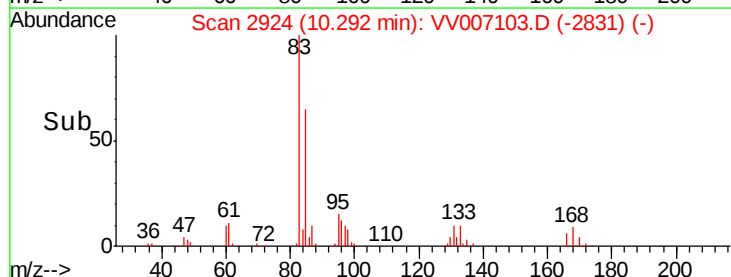
131 9.9 7.3 10.9

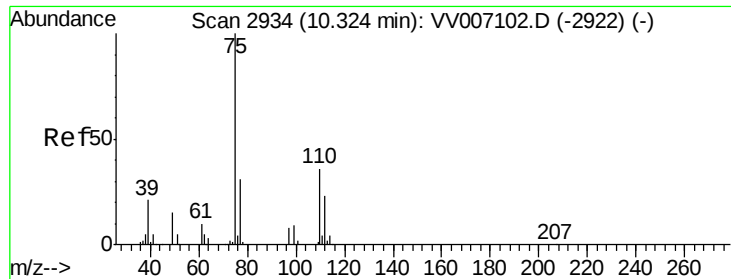


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.115 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

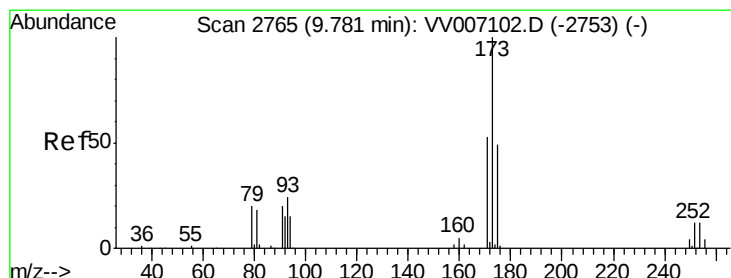
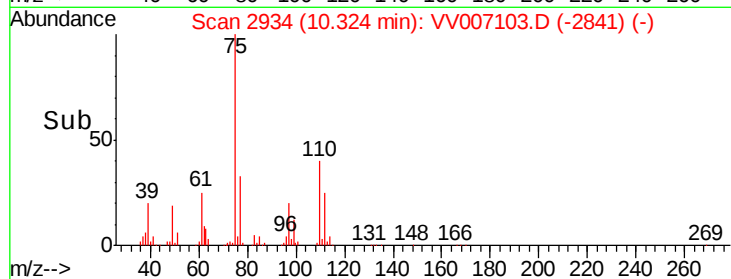
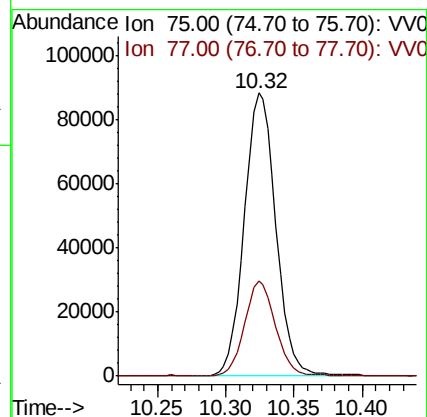
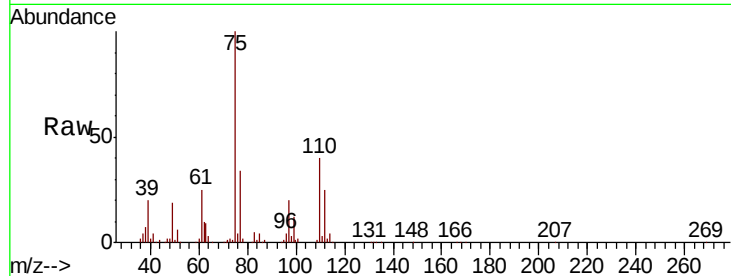
VSTD01072

Tgt Ion: 75 Resp: 142080

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



#61

Bromoform

Concen: 9.220 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

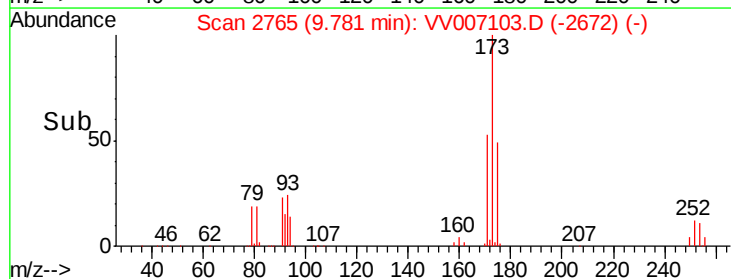
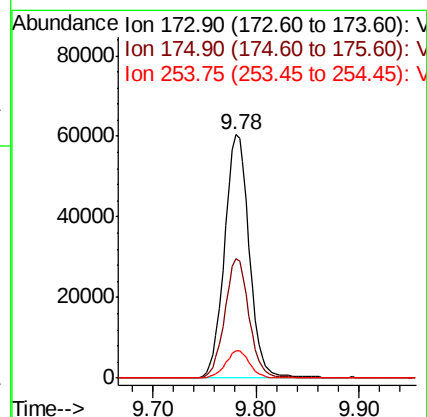
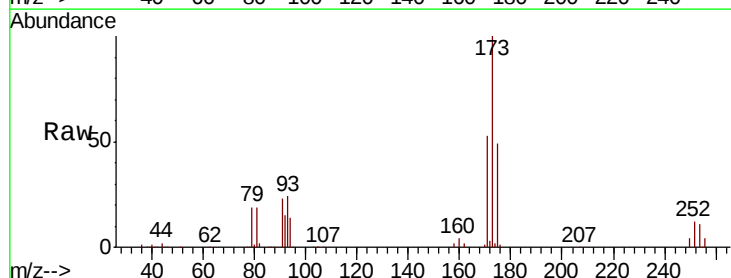
Tgt Ion: 173 Resp: 101019

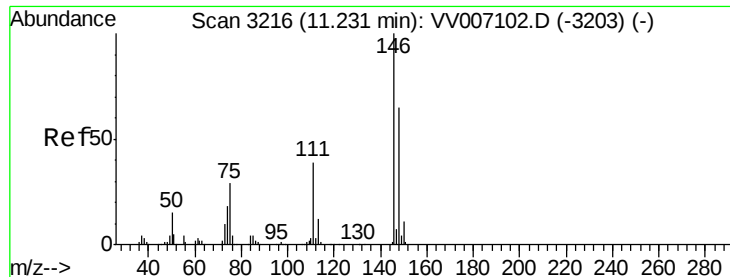
Ion Ratio Lower Upper

173 100

175 48.1 38.9 58.3

254 11.1 9.6 14.4

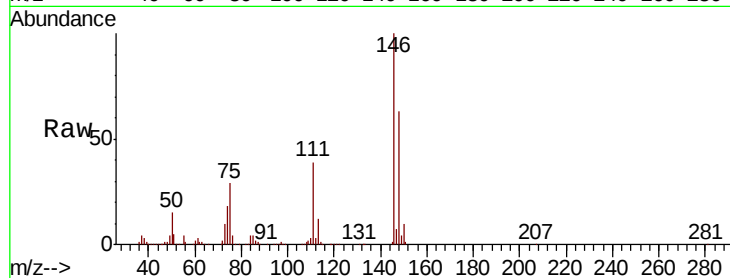




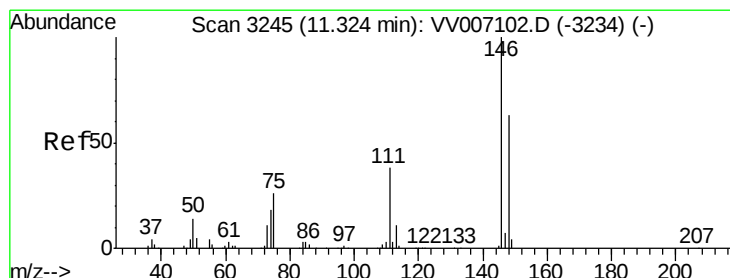
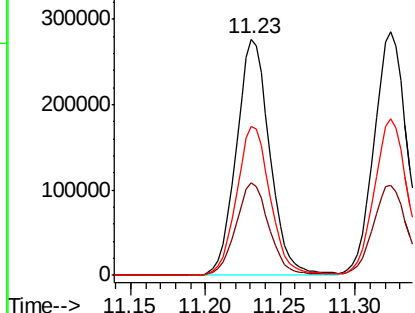
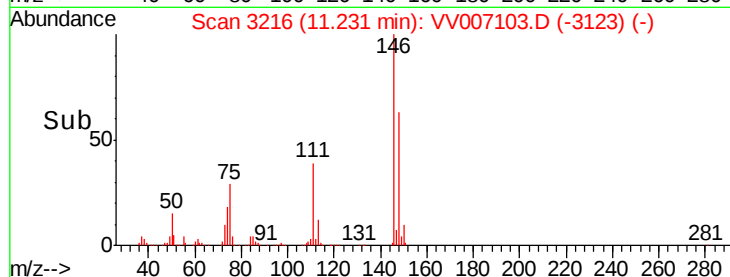
#62
 1,3-Dichlorobenzene
 Concen: 9.299 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.4	50.8
148	63.2	45.3	84.1

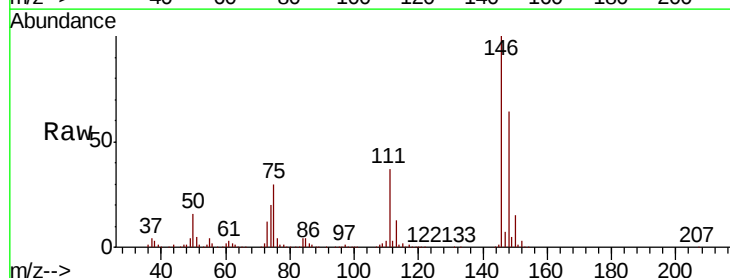


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

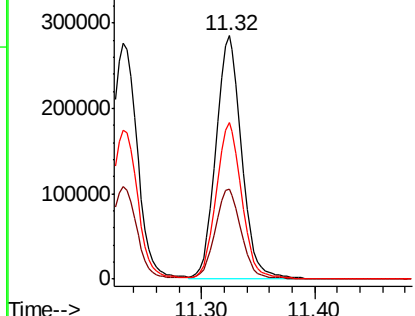
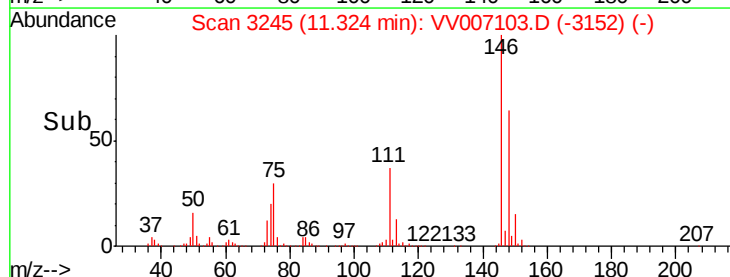


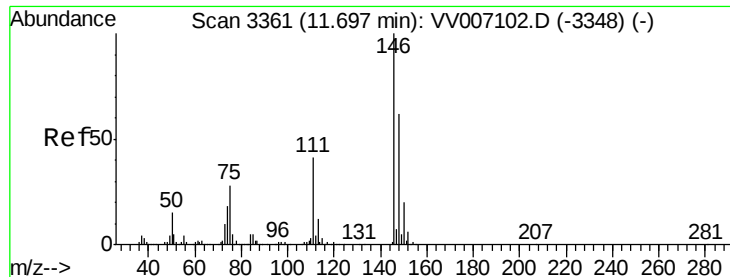
#63
 1,4-Dichlorobenzene
 Concen: 9.488 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.7	49.7
148	64.2	44.4	82.4



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.674 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD01072

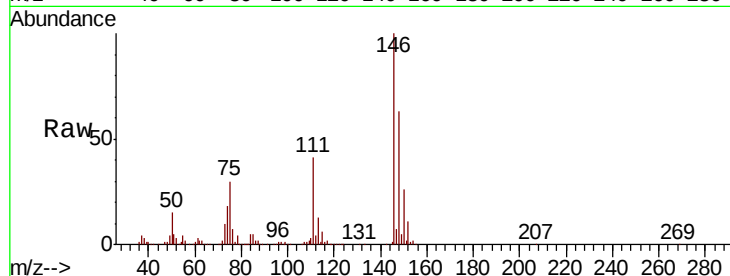
Tgt Ion:146 Resp: 444161

Ion Ratio Lower Upper

146 100

111 41.4 32.7 49.1

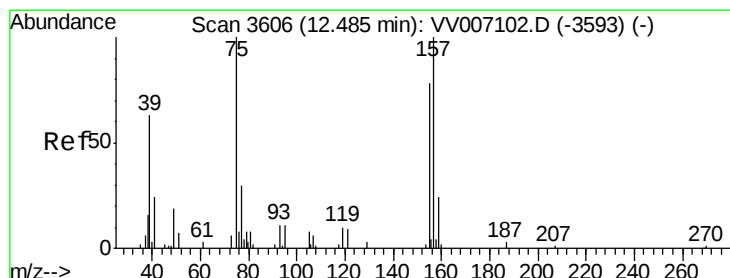
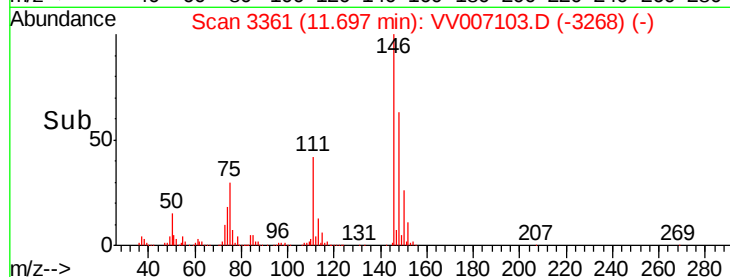
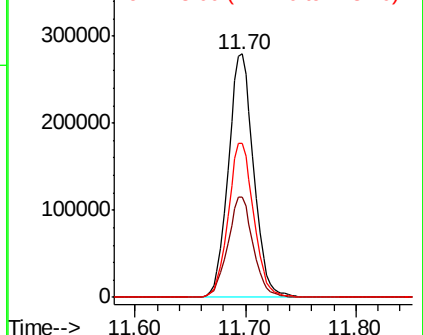
148 63.4 49.8 74.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 7.724 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

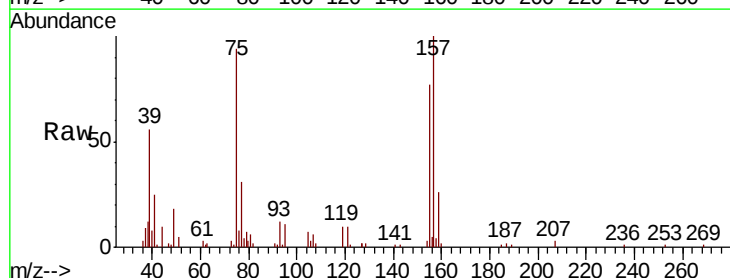
Tgt Ion: 75 Resp: 24417

Ion Ratio Lower Upper

75 100

155 81.5 62.7 94.1

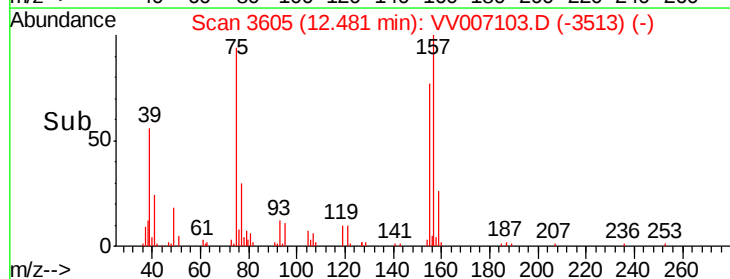
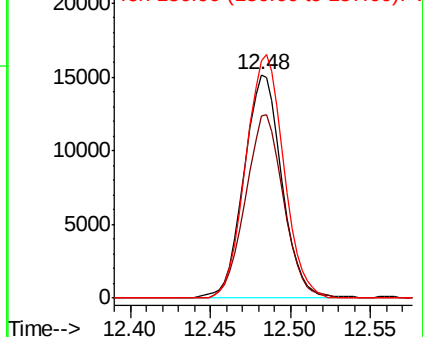
157 106.4 79.7 119.5

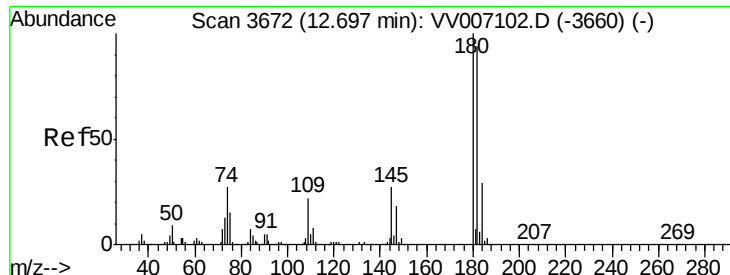


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

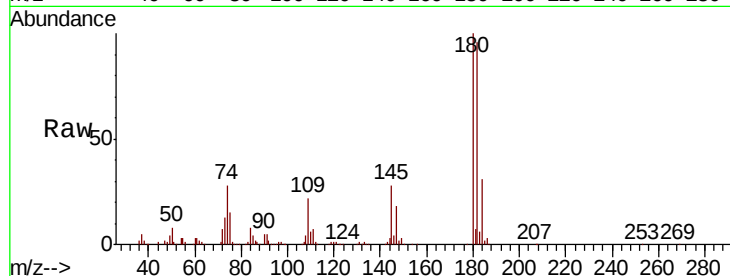




#67
 1,3,5-Trichlorobenzene
 Concen: 9.629 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01072

Tgt Ion:	180	Resp:	335542
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	115.0
184	30.4	24.4	36.6
145	28.2	22.2	33.2



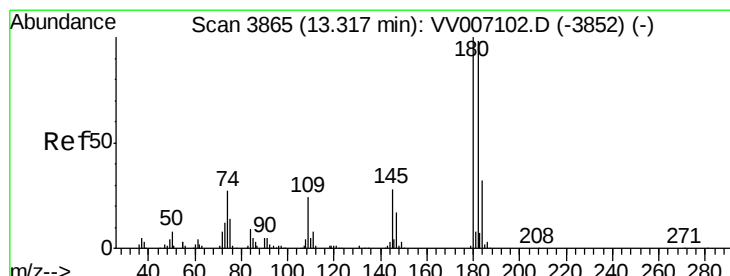
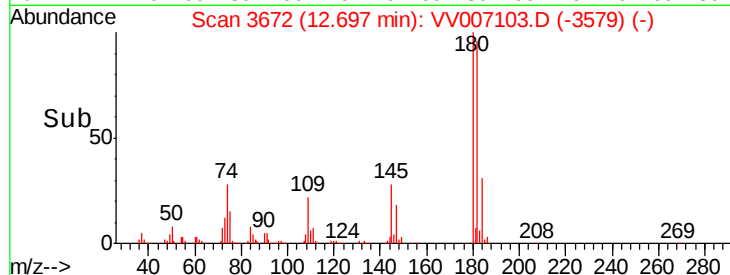
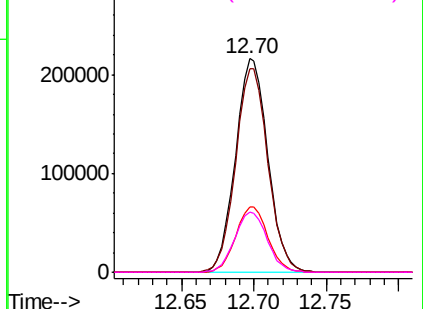
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

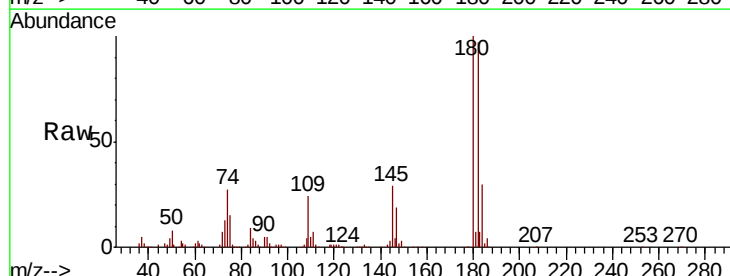
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 9.711 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007103.D
 Acq: 21 Aug 2018 16:08

Tgt Ion:	180	Resp:	245753
Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.4	117.6
145	29.3	22.9	34.3

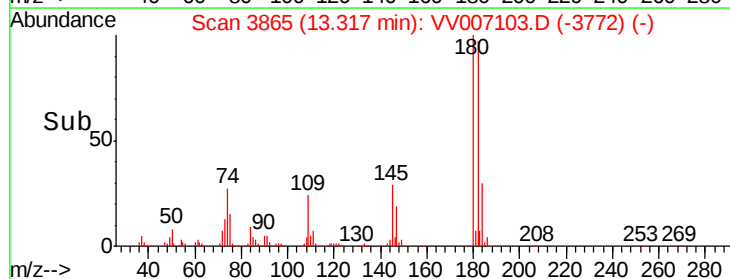
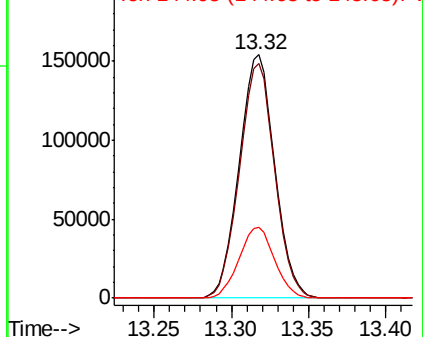


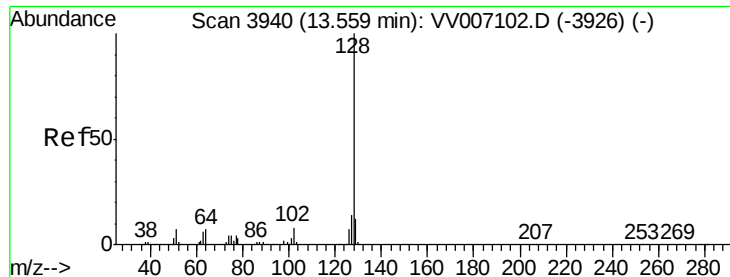
Abundance

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: 9.427 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

Instrument :

MSVOA_V

ClientSampled :

VSTD01072

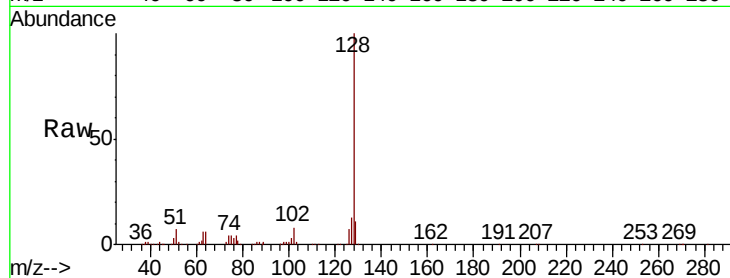
Tgt Ion:128 Resp: 339662

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

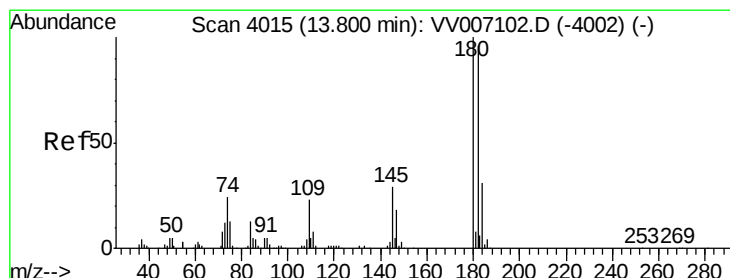
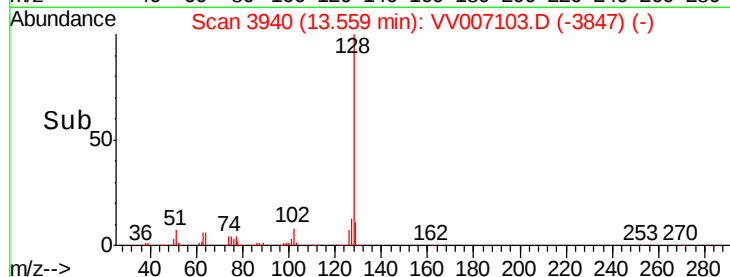
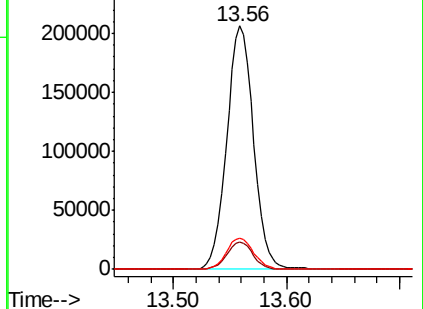
127 13.0 10.8 16.2



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: 10.041 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007103.D

Acq: 21 Aug 2018 16:08

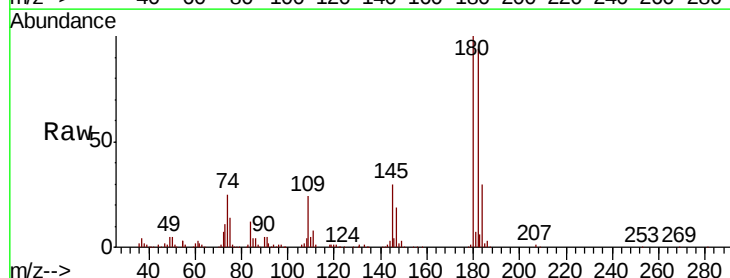
Tgt Ion:180 Resp: 246829

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 30.7 23.8 35.8



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

