

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062918\
 Data File : VV006520.D
 Acq On : 29 Jun 2018 20:05
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Quant Time: Jun 30 02:17:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 30 02:15:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	309987	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	286329	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	138857	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99372	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	83258	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.13	63	170376	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.98	46	231852	60.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.40%
24) Chloroform-d	4.41	84	173632	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.09	65	85449	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.11	84	357920	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	110816	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.37	98	332648	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.67	79	34662	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.14	63	194184	59.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.80%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	75098	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	125702	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	83961	3.696	ug/L 99
3) Chloromethane	1.26	50	100375	4.310	ug/L 99
5) Vinyl chloride	1.32	62	114843	4.539	ug/L 99
6) Bromomethane	1.54	94	57343	3.913	ug/L 99
8) Chloroethane	1.60	64	71288	4.442	ug/L 100
9) Trichlorofluoromethane	1.77	101	141946	4.667	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	91145	4.771	ug/L 100
12) 1,1-Dichloroethene	2.14	96	85549	4.563	ug/L 97
13) Acetone	2.23	43	127844	54.610	ug/L 100
14) Carbon disulfide	2.32	76	190128	3.592	ug/L 99
15) Methyl Acetate	2.48	43	36762	5.333	ug/L 99
16) Methylene chloride	2.54	84	97892	4.458	ug/L 99
17) Methyl tert-butyl Ether	2.82	73	222637	4.900	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	93107	4.537	ug/L 98
19) 1,1-Dichloroethane	3.23	63	166839	4.564	ug/L 99
21) 2-Butanone	4.06	43	216221	51.107	ug/L 98
22) cis-1,2-Dichloroethene	3.97	96	104311	4.622	ug/L 99

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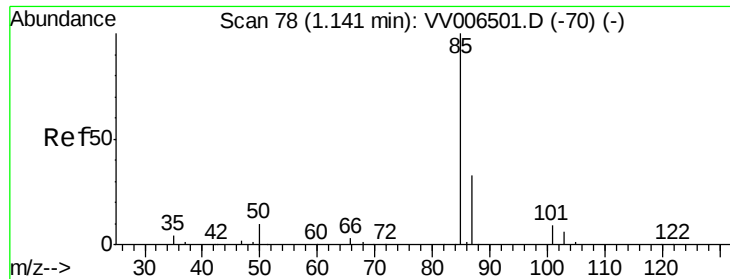
Instrument :
 MSVOA_V
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Quant Time: Jun 30 02:17:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	43434	4.736	ug/L	96
25) Chloroform	4.44	83	173807	4.718	ug/L	99
27) 1,2-Dichloroethane	5.19	62	99056	4.785	ug/L	96
29) 1,1,1-Trichloroethane	4.67	97	137205	4.394	ug/L	100
30) Cyclohexane	4.73	56	136776	4.383	ug/L	99
31) Carbon tetrachloride	4.88	117	112749	4.305	ug/L	98
33) Benzene	5.15	78	388097	4.590	ug/L	100
34) Trichloroethene	5.96	95	105919	4.379	ug/L	98
35) Methylcyclohexane	6.18	83	156603	4.452	ug/L	100
37) 1,2-Dichloropropane	6.23	63	97084	4.698	ug/L	100
38) Bromodichloromethane	6.57	83	102189	4.296	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	123715	4.302	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	516318	51.349	ug/L	99
42) Toluene	7.44	91	410743	4.587	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	95902	4.252	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	69901	4.898	ug/L	98
47) Tetrachloroethene	8.02	164	82499	4.514	ug/L	100
48) 2-Hexanone	8.20	43	385443	53.282	ug/L	99
49) Dibromochloromethane	8.30	129	67106	4.411	ug/L	99
50) 1,2-Dibromoethane	8.40	107	63091	4.917	ug/L	98
51) Chlorobenzene	8.93	112	273923	4.623	ug/L	99
52) Ethylbenzene	9.06	91	443286	4.572	ug/L	100
53) m,p-xylene	9.19	106	170122	4.550	ug/L	98
54) o-xylene	9.59	106	167141	4.557	ug/L	99
55) Styrene	9.61	104	286156	4.768	ug/L	100
56) Isopropylbenzene	9.98	105	440553	4.609	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	67514	5.016	ug/L	98
59) 1,2,3-Trichloropropane	10.33	75	57852	5.147	ug/L	99
61) Bromoform	9.78	173	32639	4.188	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	205849	4.501	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	210150	4.594	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	202225	4.724	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7662	4.212	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	156924	4.515	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	120909	4.744	ug/L	100
69) Naphthalene	13.56	128	187572	5.035	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	118113	4.979	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 3.696 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

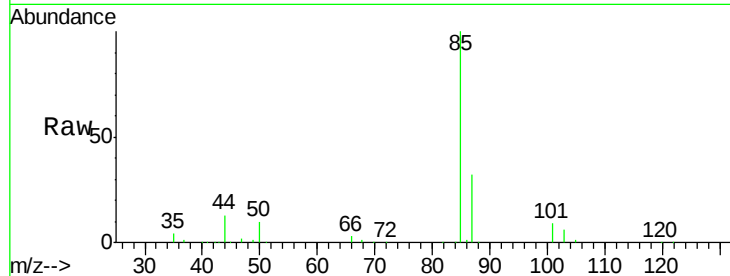
VSTD00569

Tgt Ion: 85 Resp: 83961

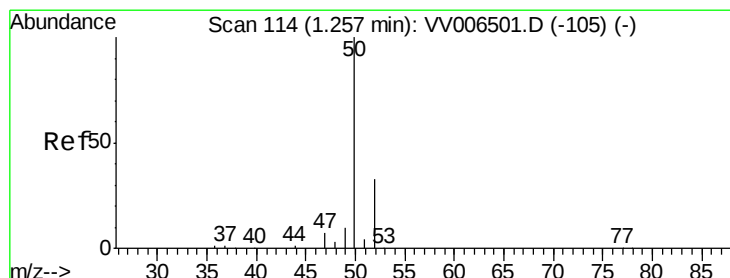
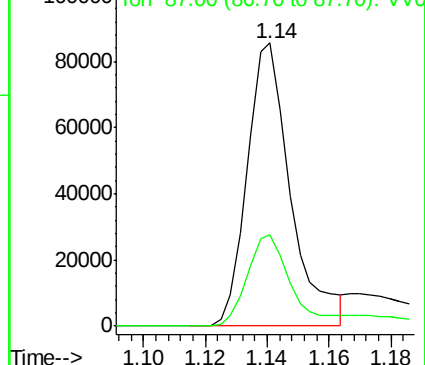
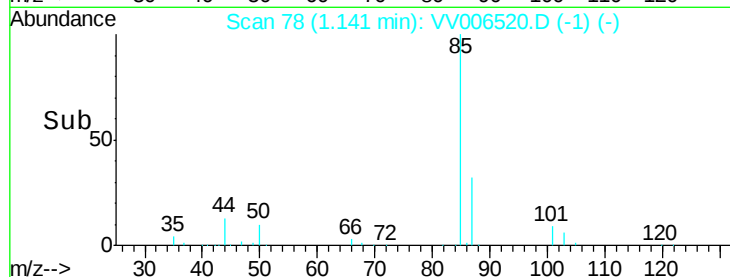
Ion Ratio Lower Upper

85 100

87 31.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006520.D (-1) (-)



#3

Chloromethane

Concen: 4.310 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006520.D

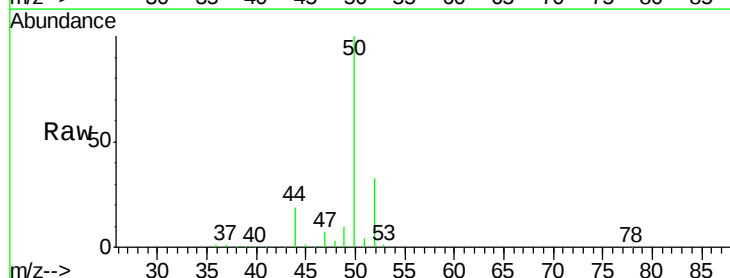
Acq: 29 Jun 2018 20:05

Tgt Ion: 50 Resp: 100375

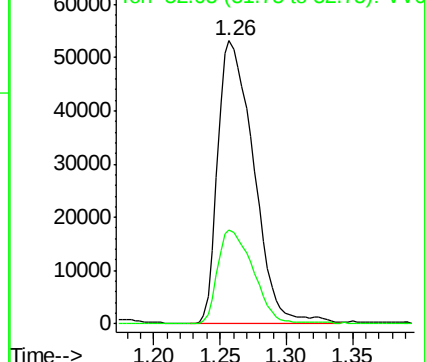
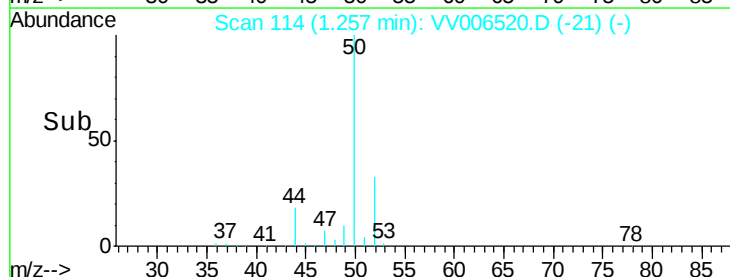
Ion Ratio Lower Upper

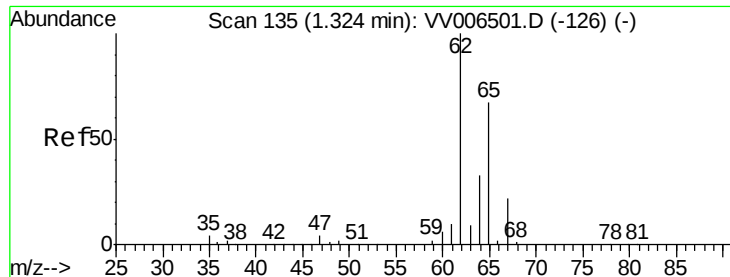
50 100

52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006520.D (-21) (-)





#5

Vinyl chloride

Concen: 4.539 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

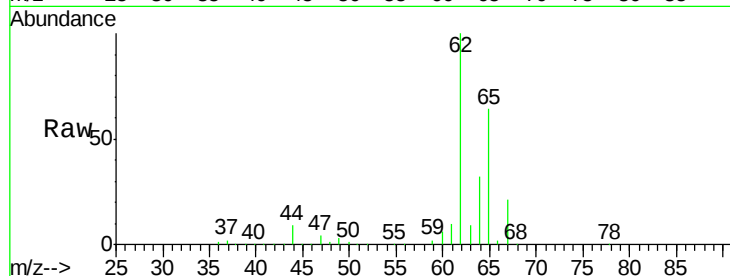
VSTD00569

Tgt Ion: 62 Resp: 114843

Ion Ratio Lower Upper

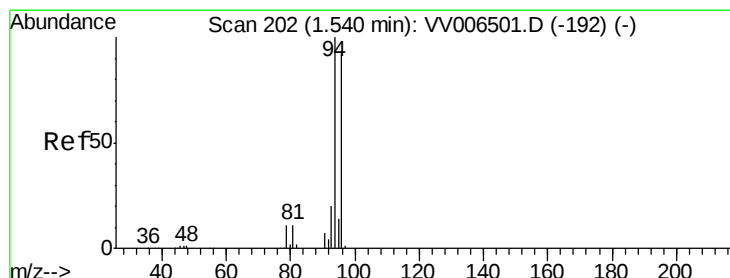
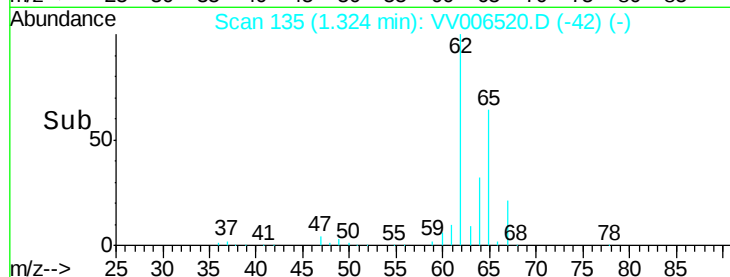
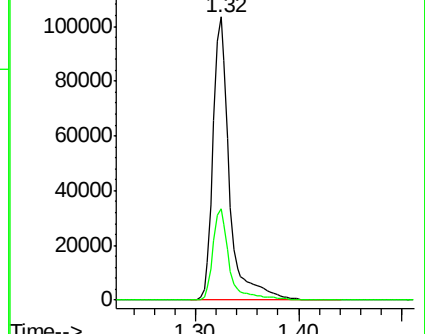
62 100

64 32.3 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.913 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006520.D

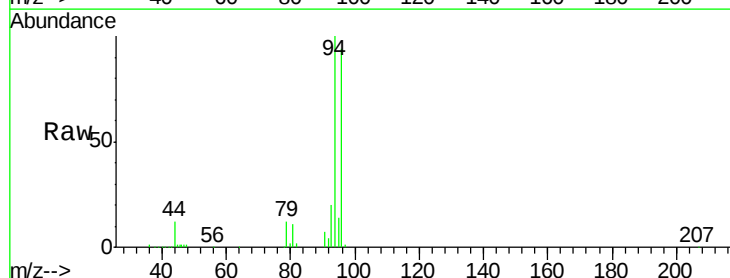
Acq: 29 Jun 2018 20:05

Tgt Ion: 94 Resp: 57343

Ion Ratio Lower Upper

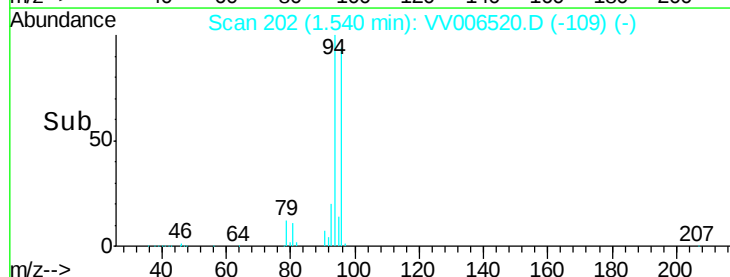
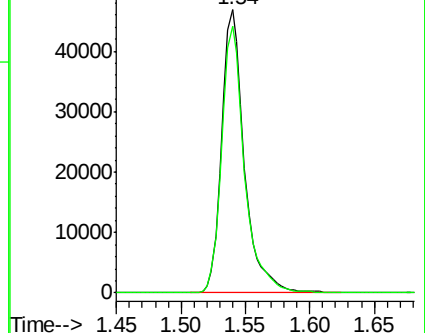
94 100

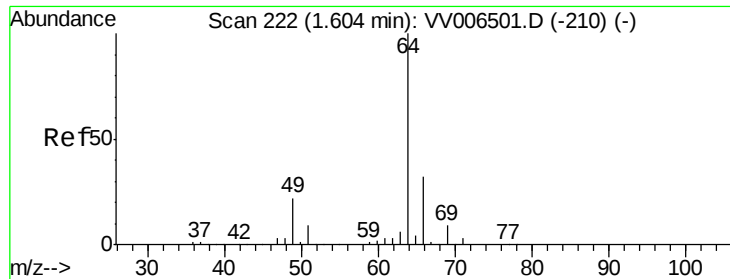
96 94.4 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.442 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

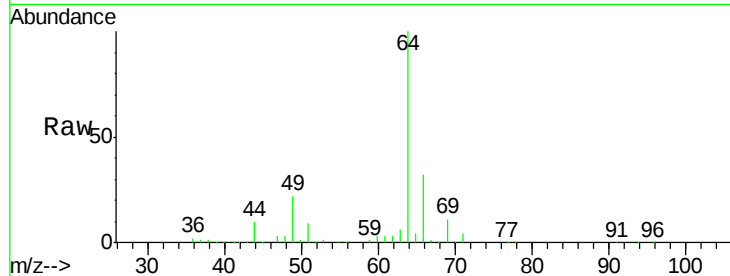
VSTD00569

Tgt Ion: 64 Resp: 71288

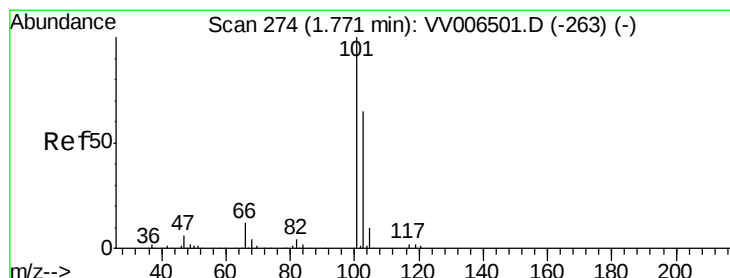
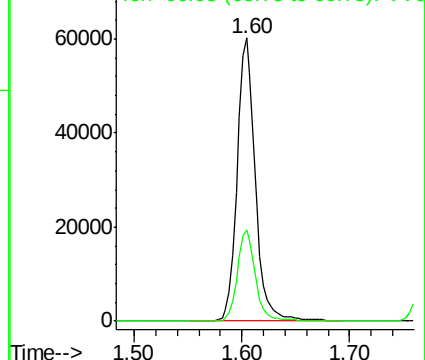
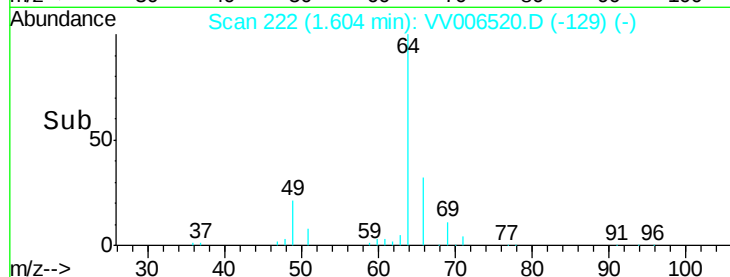
Ion Ratio Lower Upper

64 100

66 32.4 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV006520.D (-129) (-)



#9

Trichlorofluoromethane

Concen: 4.667 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006520.D

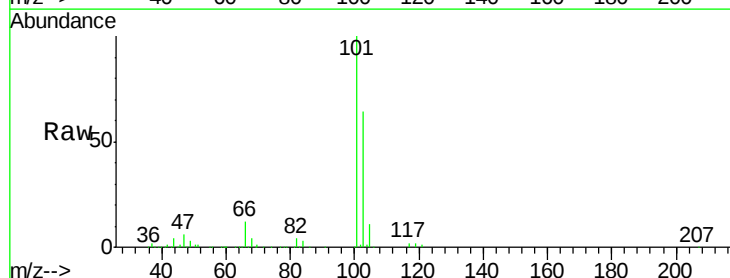
Acq: 29 Jun 2018 20:05

Tgt Ion: 101 Resp: 141946

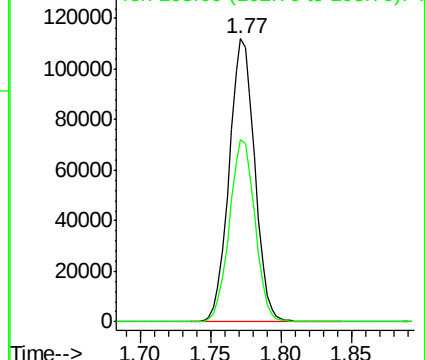
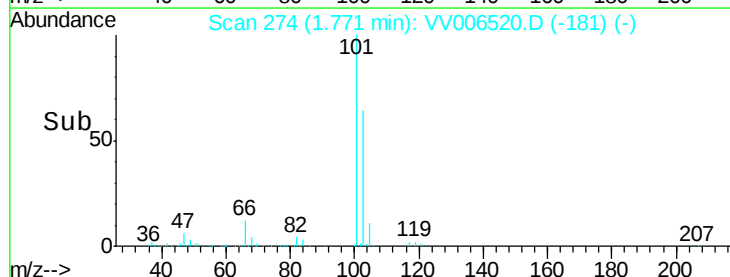
Ion Ratio Lower Upper

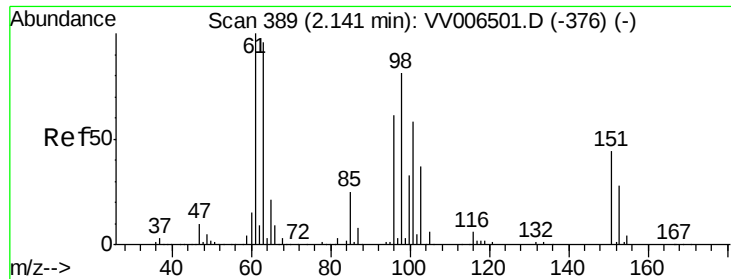
101 100

103 64.6 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV006520.D (-181) (-)





#10

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

Concen: 4.771 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

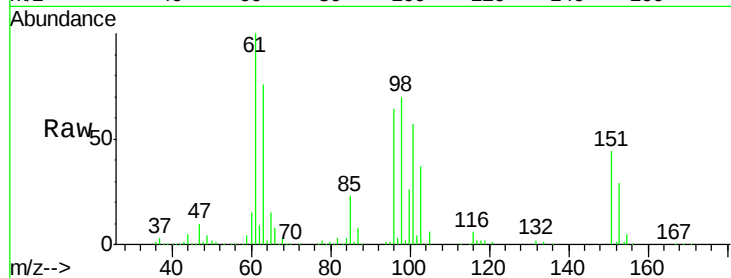
Tgt Ion: 101 Resp: 91145

Ion Ratio Lower Upper

101 100

85 41.3 33.1 49.7

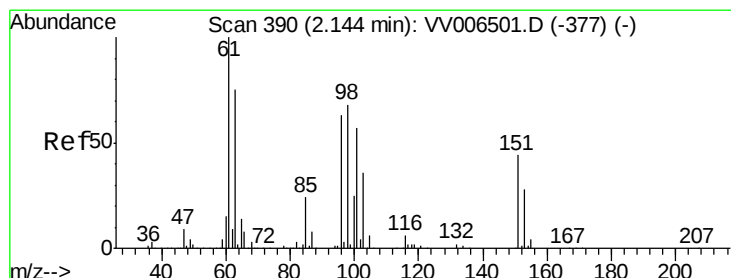
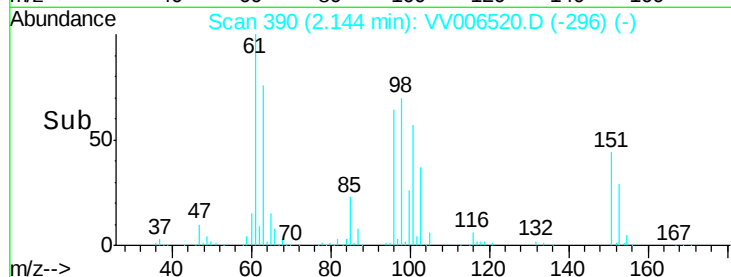
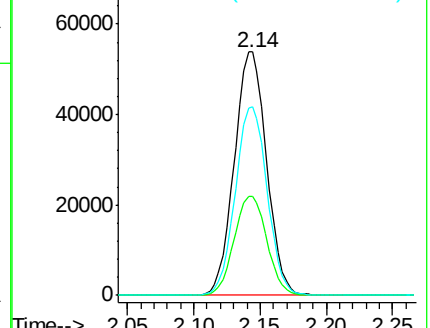
151 76.6 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): VV006520.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006520.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006520.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 4.563 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

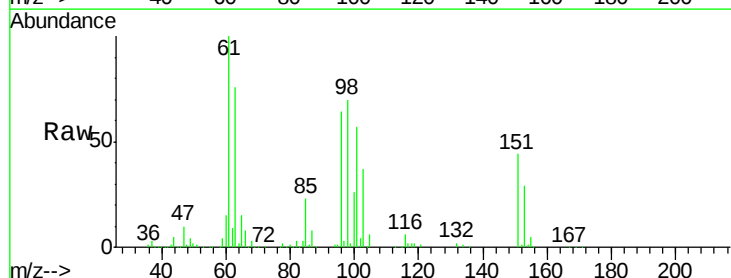
Tgt Ion: 96 Resp: 85549

Ion Ratio Lower Upper

96 100

61 156.3 111.4 207.0

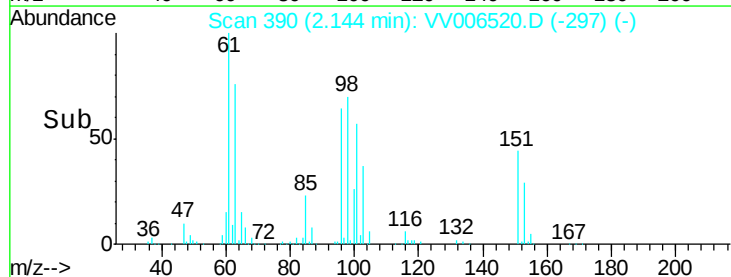
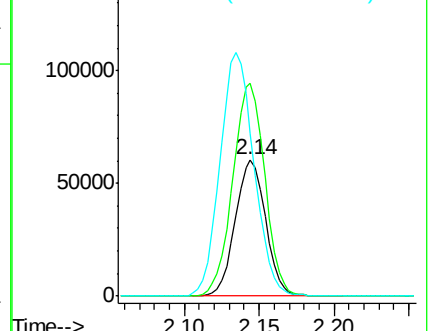
63 119.5 87.4 162.2

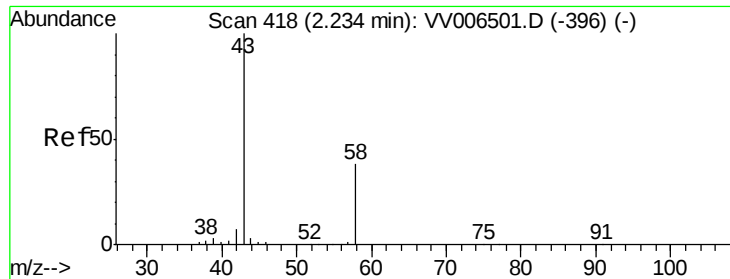


Abundance Ion 96.00 (95.70 to 96.70): VV006520.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006520.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006520.D (-297) (-)





#13

Acetone

Concen: 54.610 ug/L

RT: 2.23 min Scan# 416

Delta R.T. -0.01 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

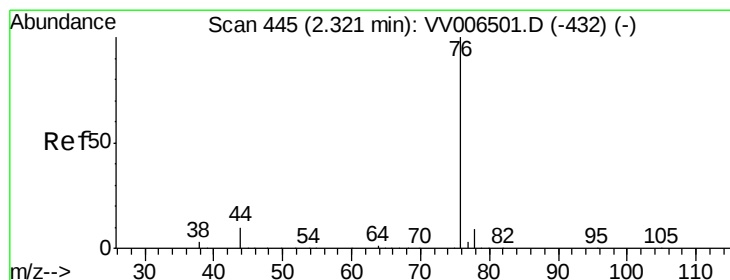
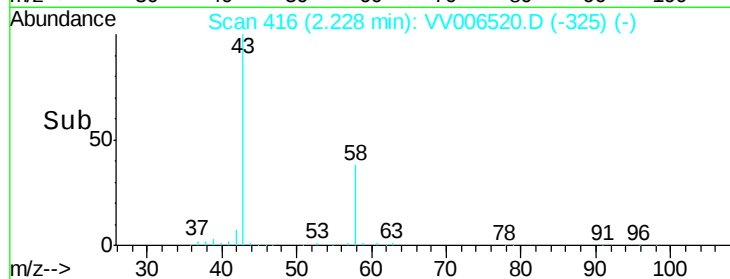
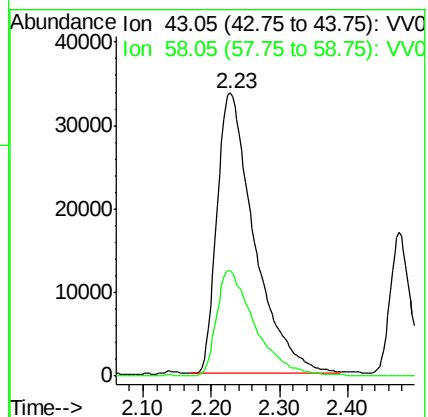
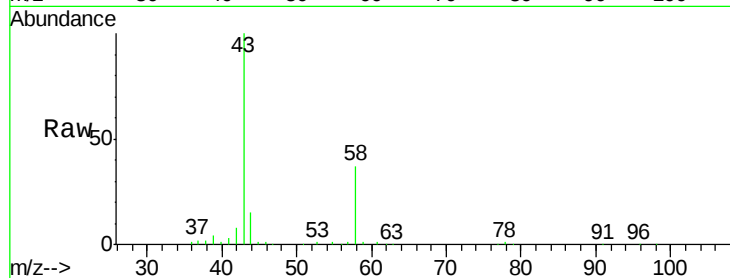
VSTD00569

Tgt Ion: 43 Resp: 127844

Ion Ratio Lower Upper

43 100

58 38.5 0.0 77.4



#14

Carbon disulfide

Concen: 3.592 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006520.D

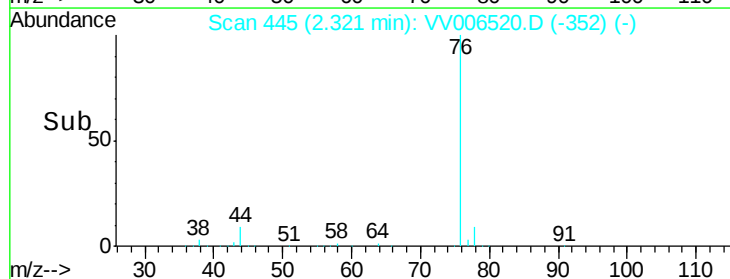
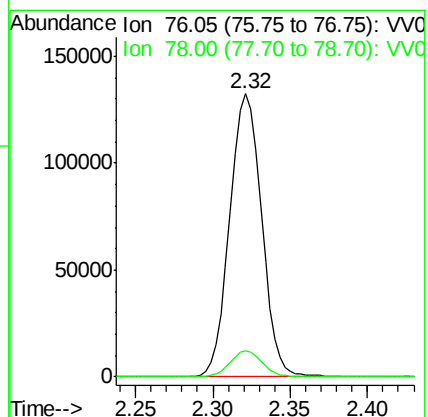
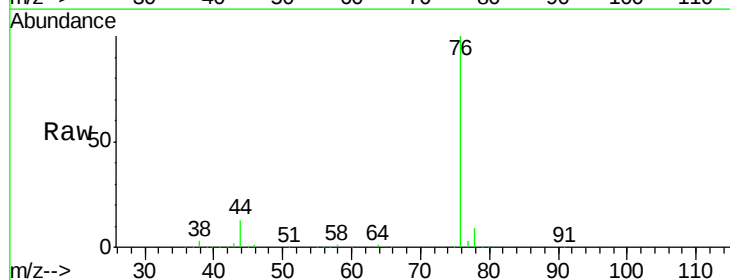
Acq: 29 Jun 2018 20:05

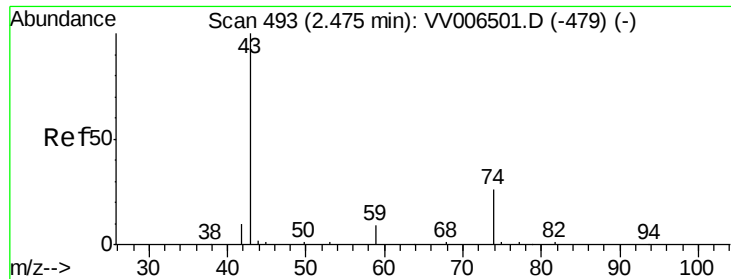
Tgt Ion: 76 Resp: 190128

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

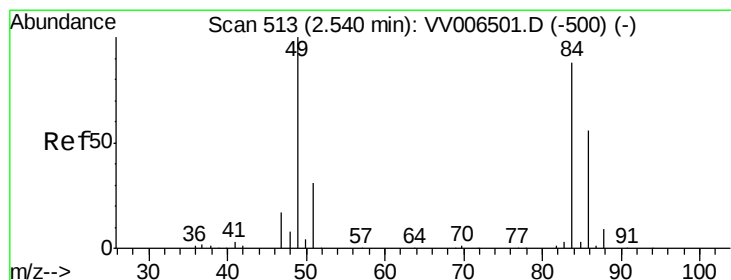
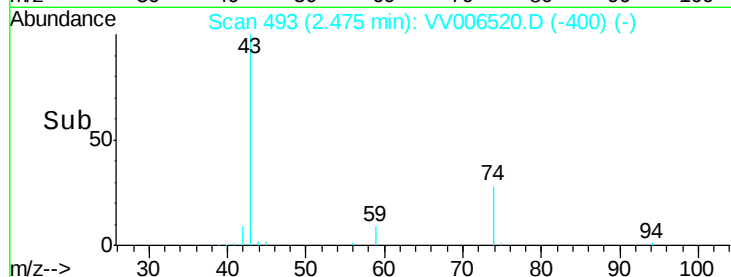
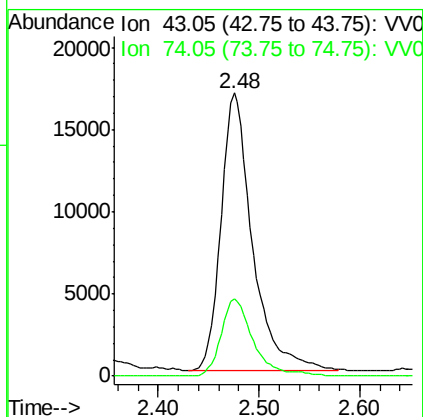
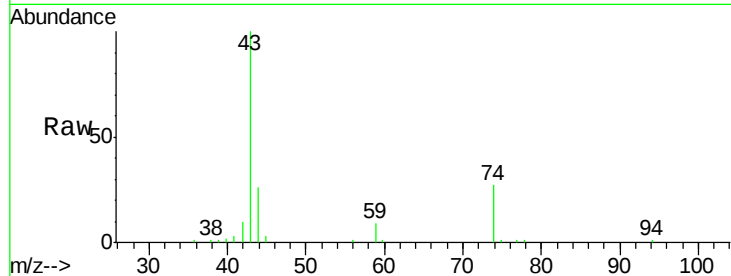




#15
Methyl Acetate
Concen: 5.333 ug/L
RT: 2.48 min Scan# 493
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

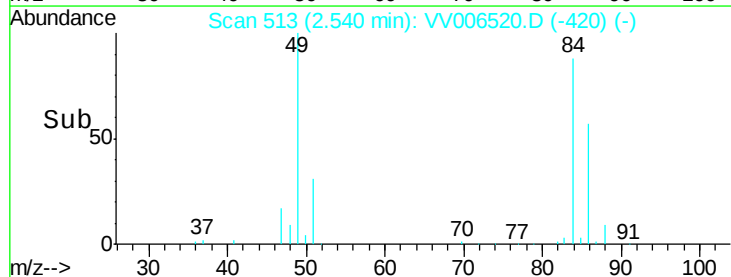
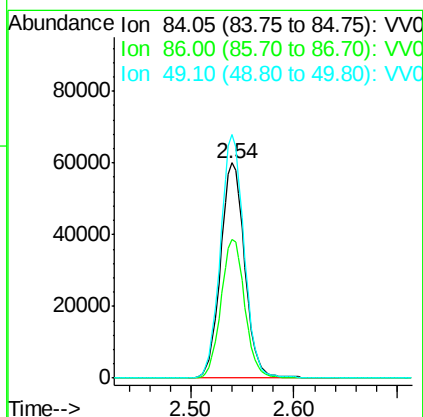
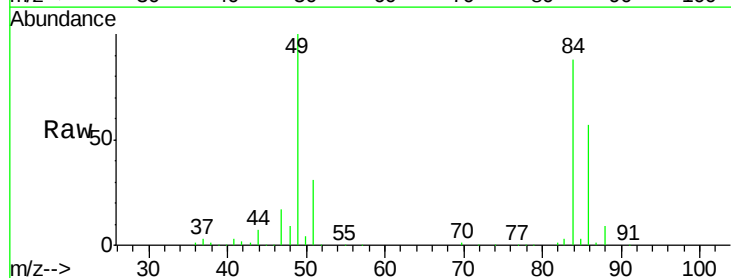
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

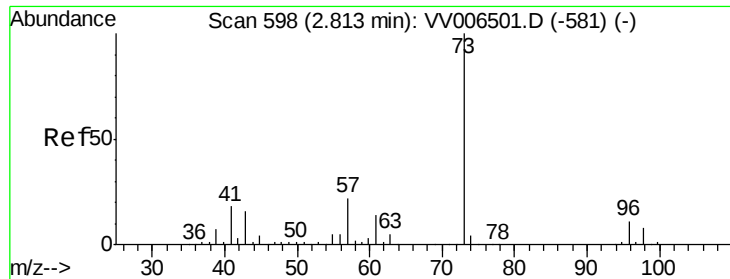
Tgt Ion: 43 Resp: 36762
Ion Ratio Lower Upper
43 100
74 28.5 22.2 33.4



#16
Methylene chloride
Concen: 4.458 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Tgt Ion: 84 Resp: 97892
Ion Ratio Lower Upper
84 100
86 64.7 44.2 82.2
49 113.3 79.0 146.8

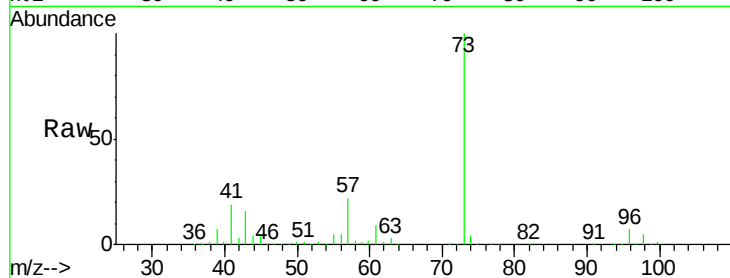




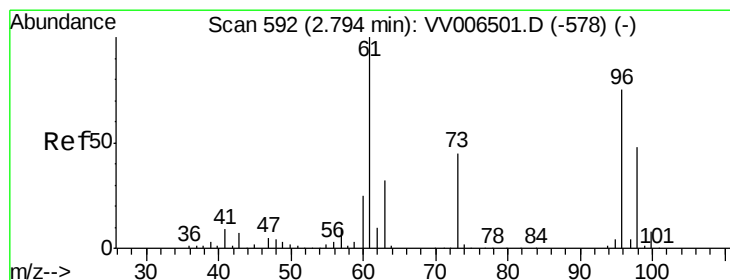
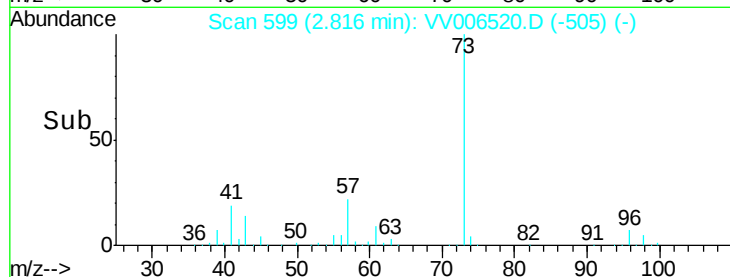
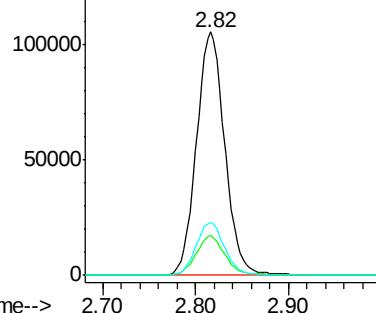
#17
Methyl tert-butyl Ether
Concen: 4.900 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Tgt Ion: 73 Resp: 222637
Ion Ratio Lower Upper
73 100
43 15.8 12.9 19.3
57 21.7 17.5 26.3

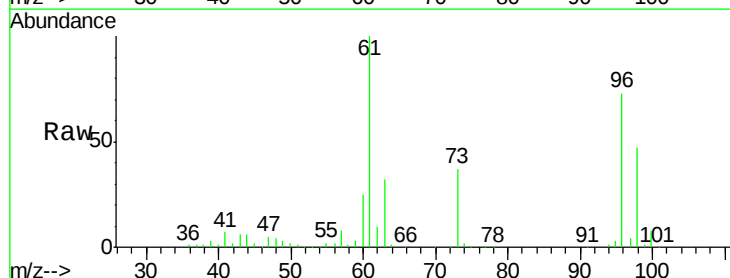


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

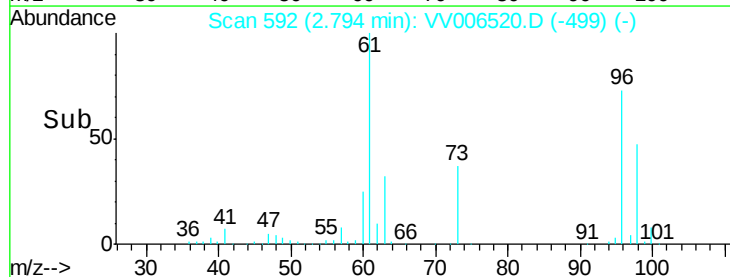
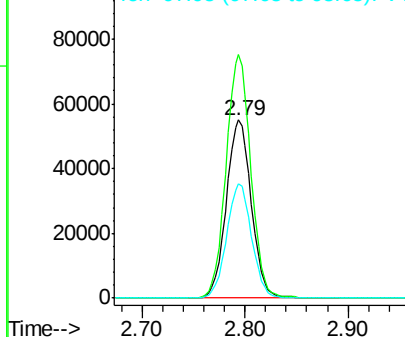


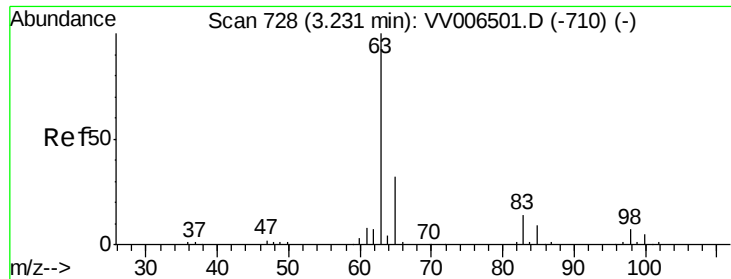
#18
trans-1,2-Dichloroethene
Concen: 4.537 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Tgt Ion: 96 Resp: 93107
Ion Ratio Lower Upper
96 100
61 136.7 94.4 175.2
98 64.4 44.3 82.3



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

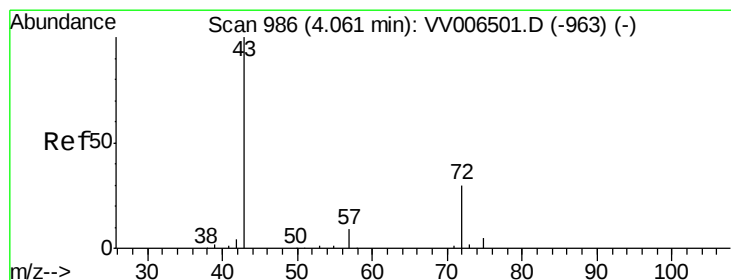
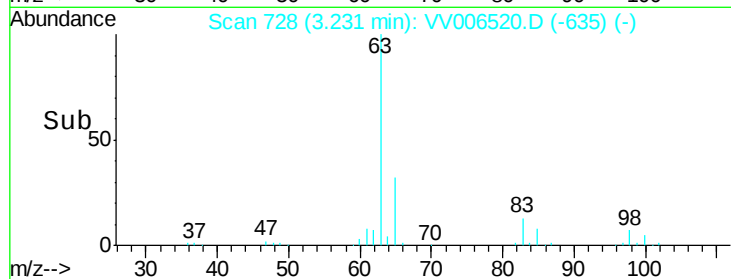
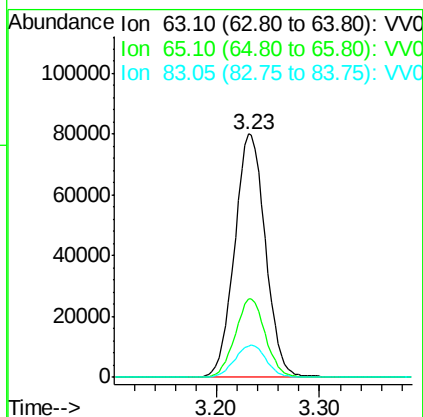
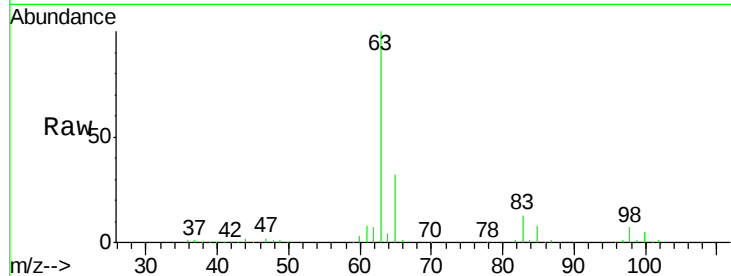




#19
 1,1-Dichloroethane
 Concen: 4.564 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

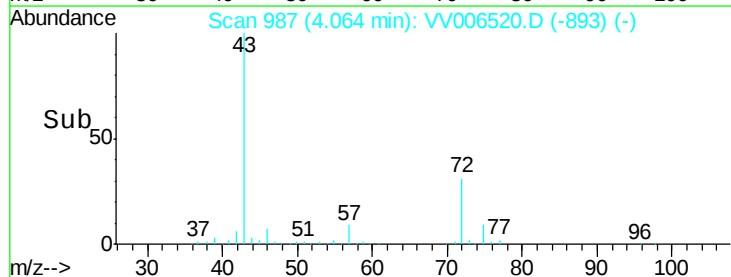
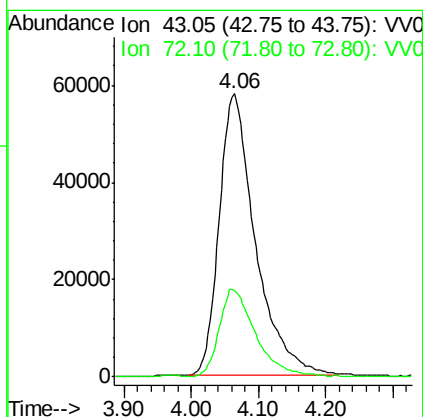
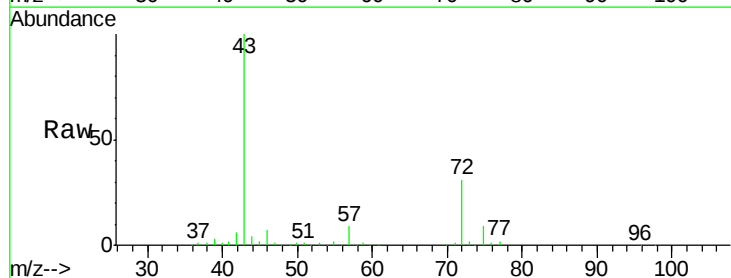
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

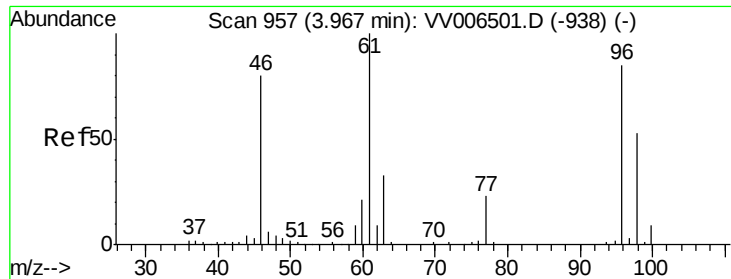
Tgt Ion: 63 Resp: 166839
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.2 41.2
 83 13.0 9.2 17.2



#21
 2-Butanone
 Concen: 51.107 ug/L
 RT: 4.06 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Tgt Ion: 43 Resp: 216221
 Ion Ratio Lower Upper
 43 100
 72 31.6 15.4 46.1



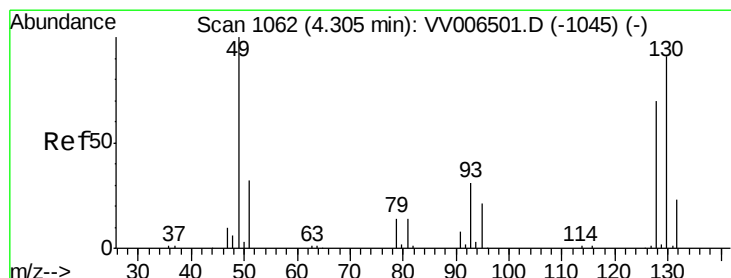
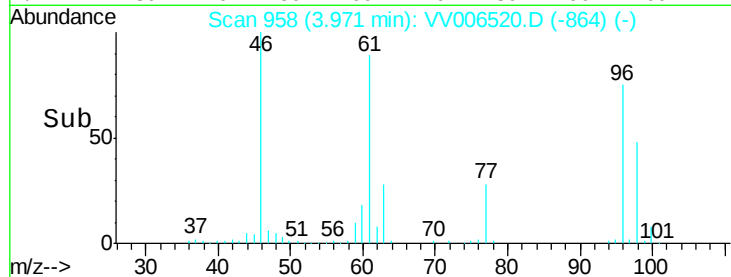
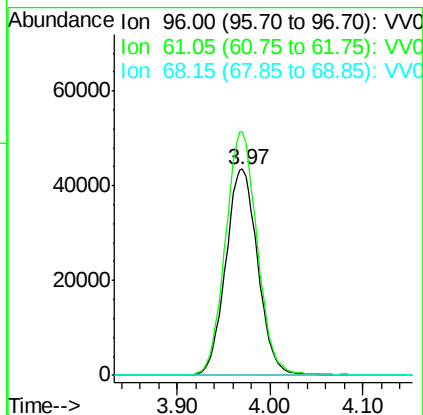
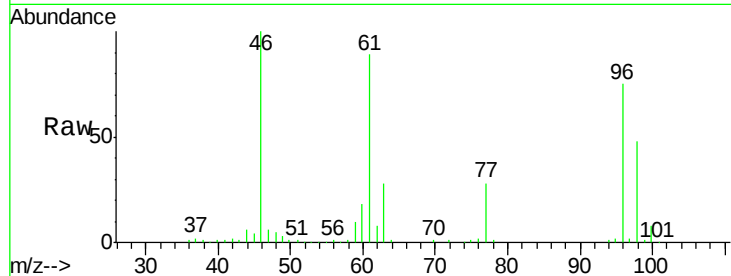


#22

cis-1,2-Dichloroethene
 Concen: 4.622 ug/L
 RT: 3.97 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

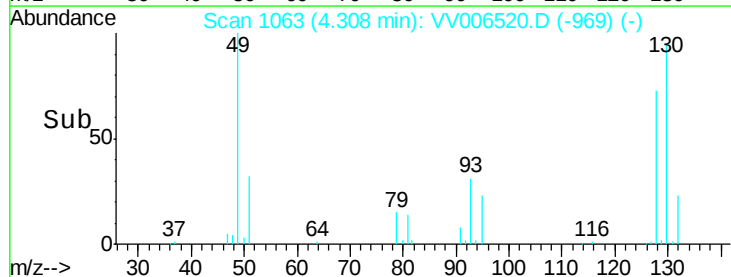
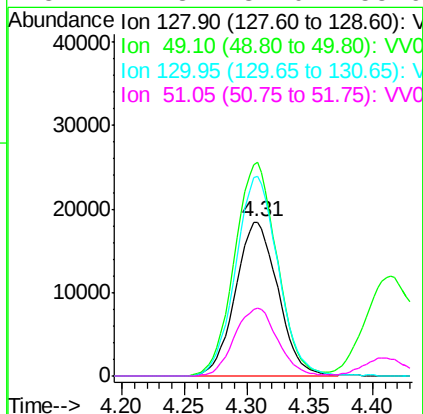
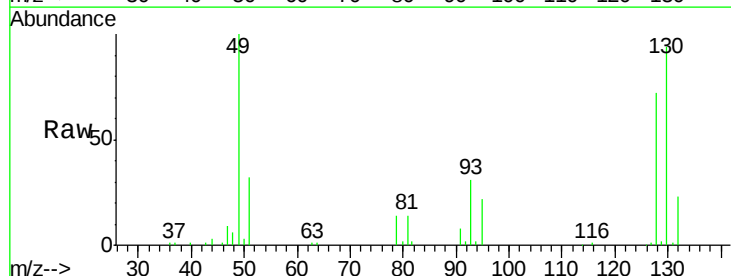
Tgt Ion: 96 Resp: 104311
 Ion Ratio Lower Upper
 96 100
 61 118.2 81.8 151.8
 68 0.0 0.0 0.0

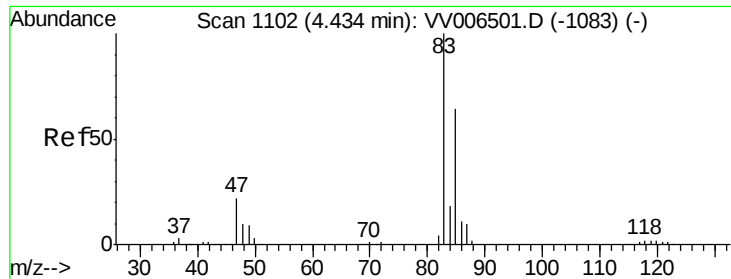


#23

Bromochloromethane
 Concen: 4.736 ug/L
 RT: 4.31 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Tgt Ion: 128 Resp: 43434
 Ion Ratio Lower Upper
 128 100
 49 138.7 101.2 188.0
 130 129.9 93.0 172.6
 51 44.3 37.0 55.6

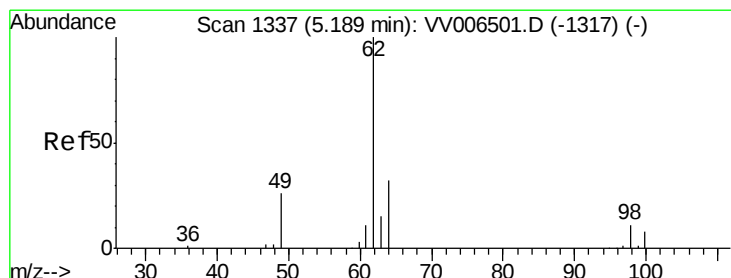
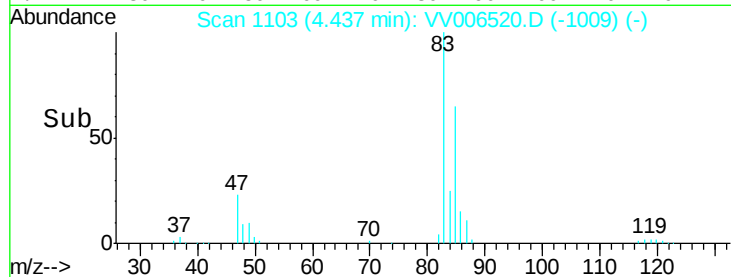
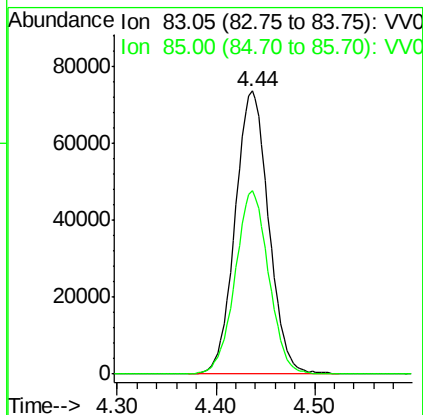
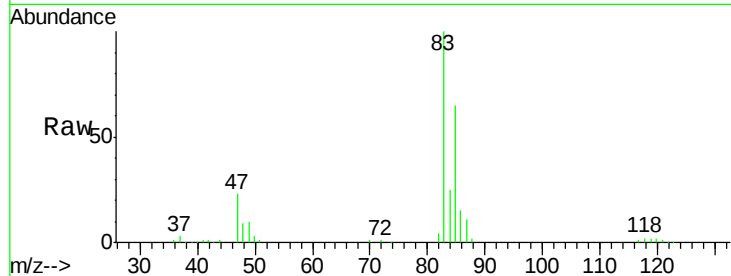




#25
Chloroform
Concen: 4.718 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

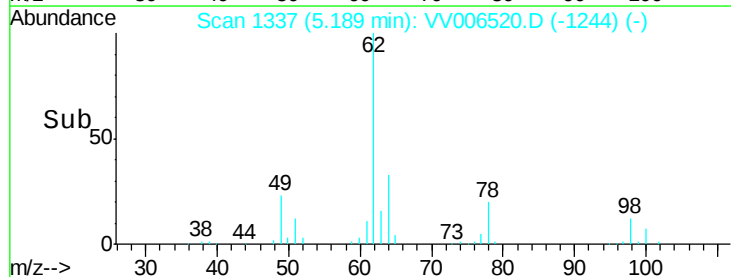
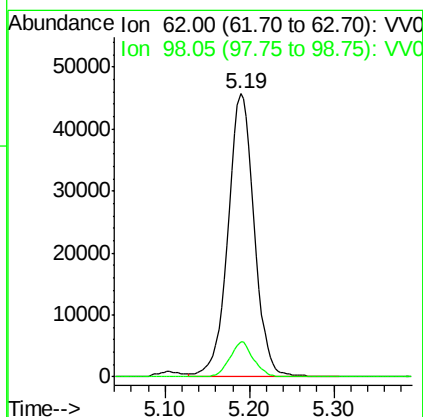
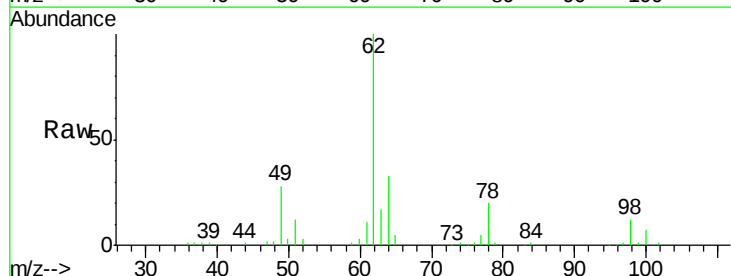
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

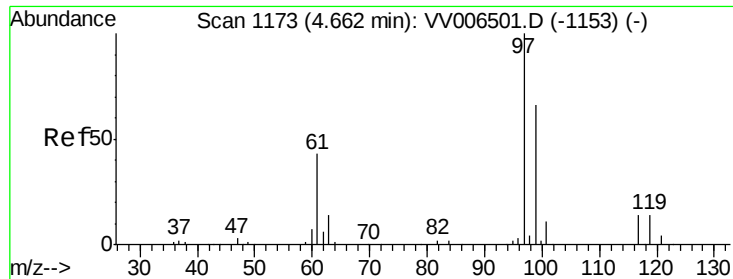
Tgt Ion: 83 Resp: 173807
Ion Ratio Lower Upper
83 100
85 64.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.785 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Tgt Ion: 62 Resp: 99056
Ion Ratio Lower Upper
62 100
98 12.3 8.8 13.2

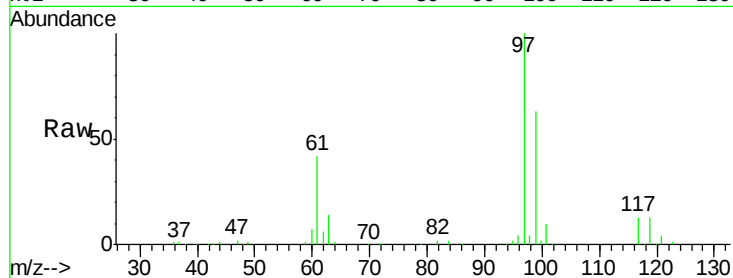




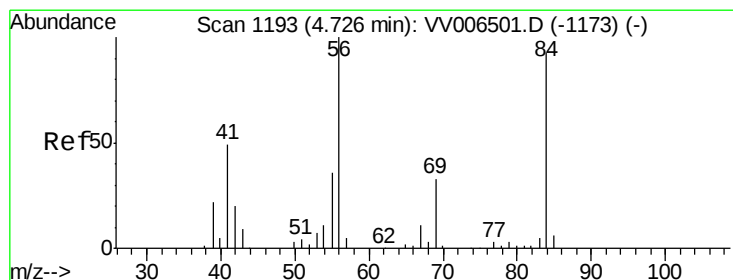
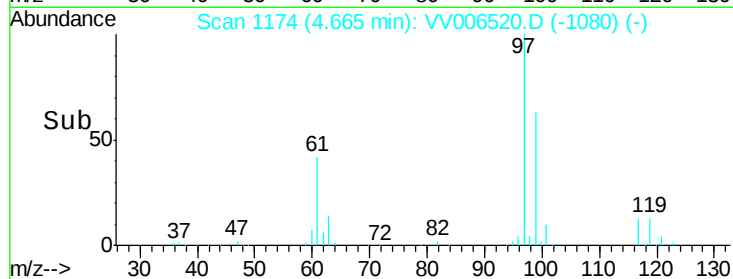
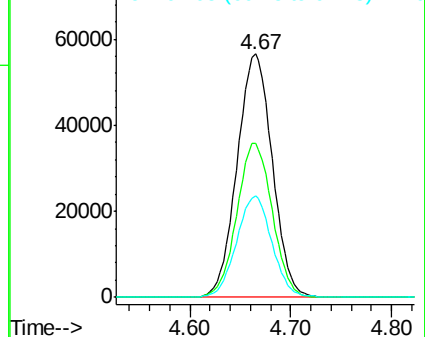
#29
1,1,1-Trichloroethane
Concen: 4.394 ug/L
RT: 4.67 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Tgt Ion: 97 Resp: 137205
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.4
61 41.8 33.8 50.6

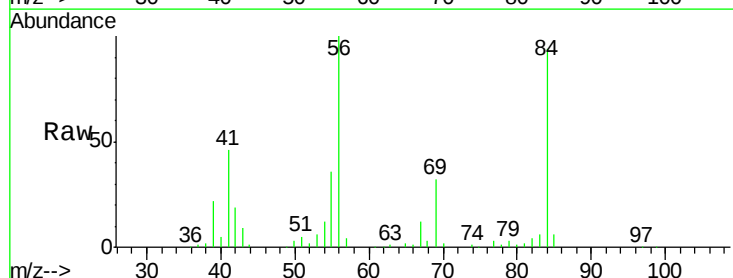


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

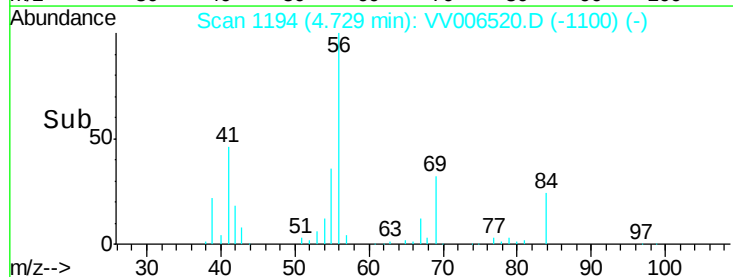
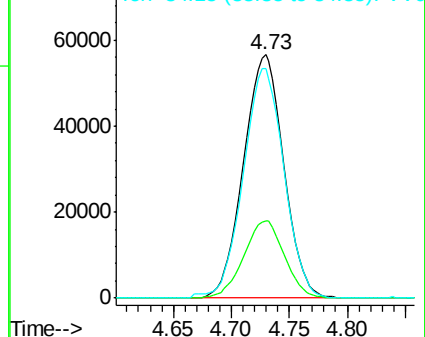


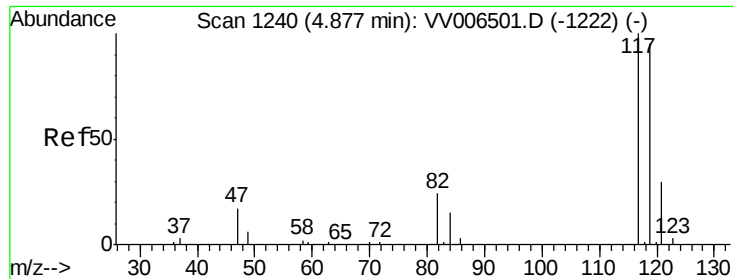
#30
Cyclohexane
Concen: 4.383 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Tgt Ion: 56 Resp: 136776
Ion Ratio Lower Upper
56 100
69 32.2 25.6 38.4
84 95.3 75.4 113.0



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: 4.305 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

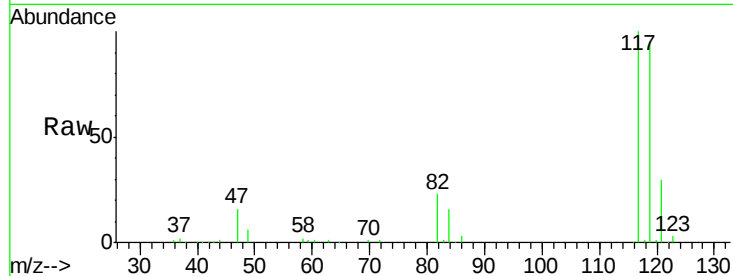
VSTD00569

Tgt Ion:117 Resp: 112749

Ion Ratio Lower Upper

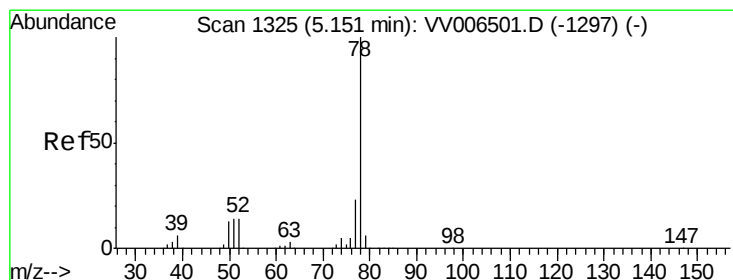
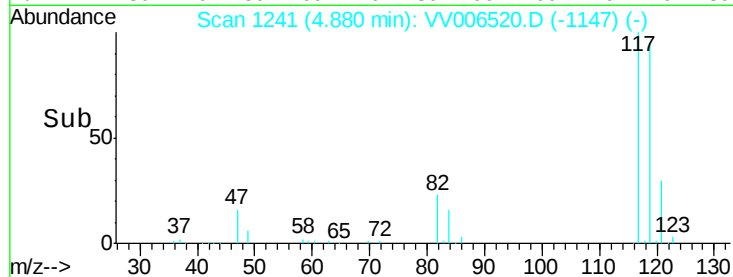
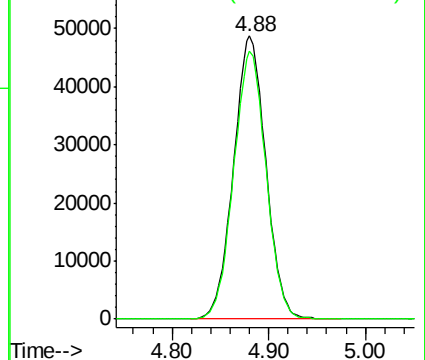
117 100

119 95.0 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.590 ug/L

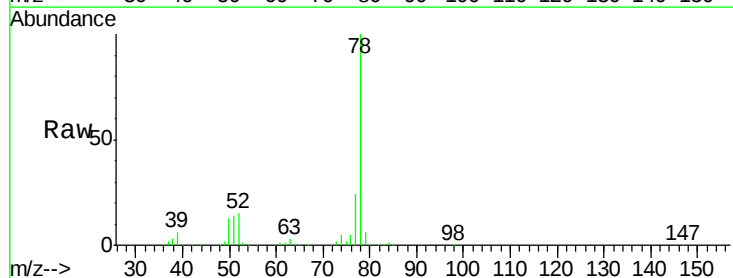
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

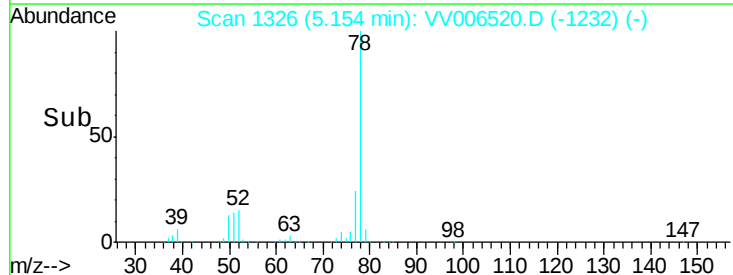
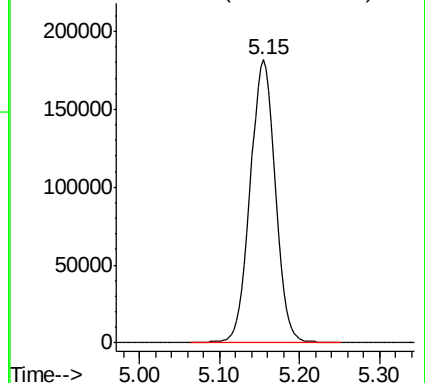
Lab File: VV006520.D

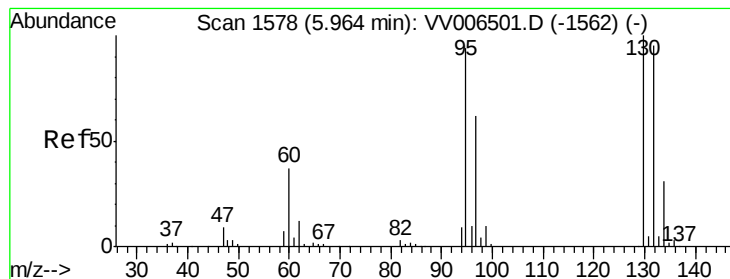
Acq: 29 Jun 2018 20:05

Tgt Ion: 78 Resp: 388097



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.379 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

Tgt Ion: 95 Resp: 105919

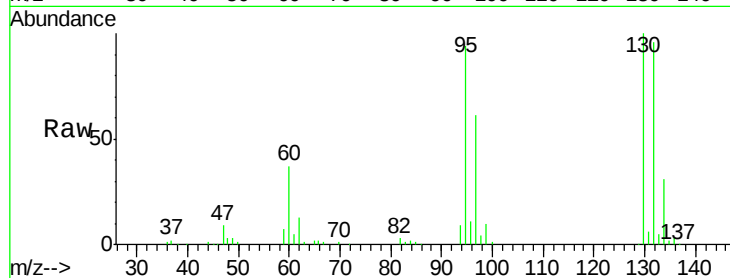
Ion Ratio Lower Upper

95 100

97 64.8 44.6 82.8

132 102.7 70.1 130.1

130 106.8 73.3 136.1

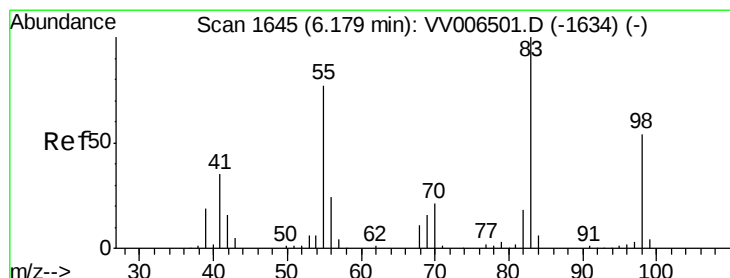
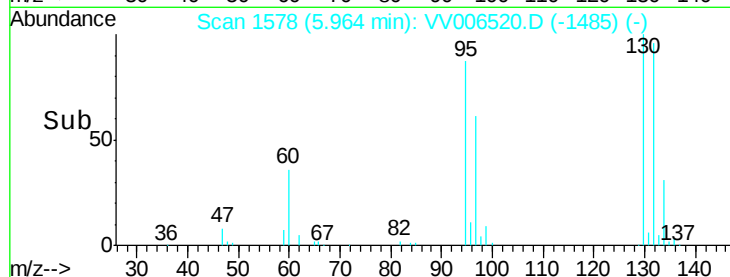
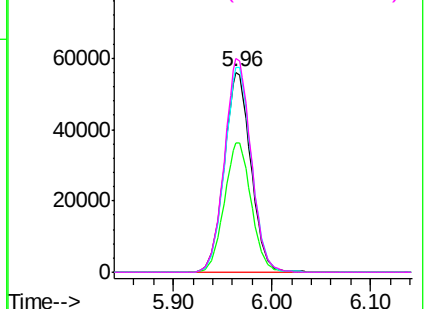


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.452 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

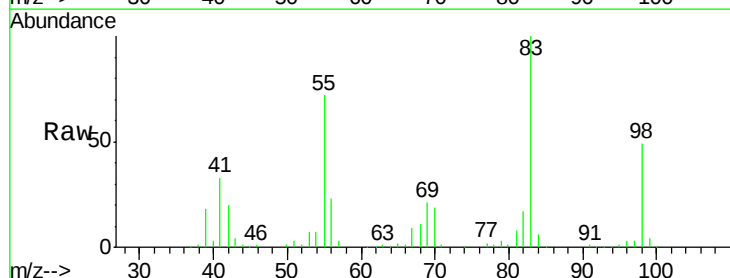
Tgt Ion: 83 Resp: 156603

Ion Ratio Lower Upper

83 100

55 71.9 57.5 86.3

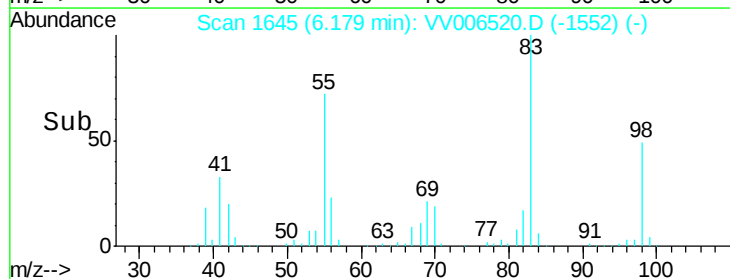
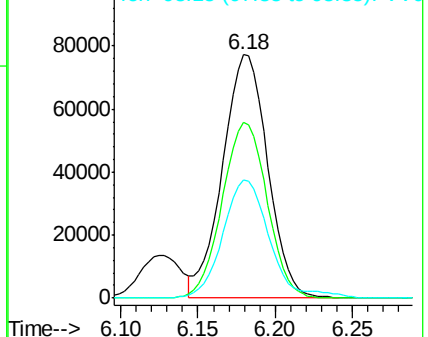
98 50.2 39.6 59.4

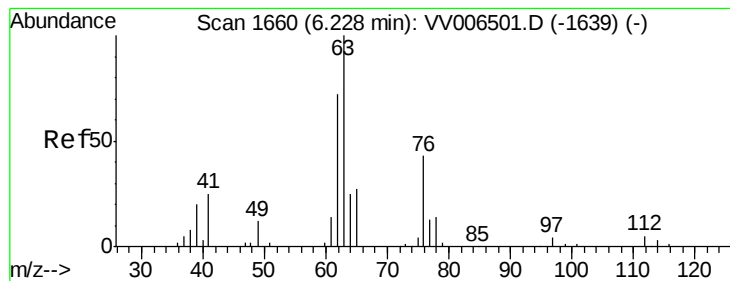


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.698 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

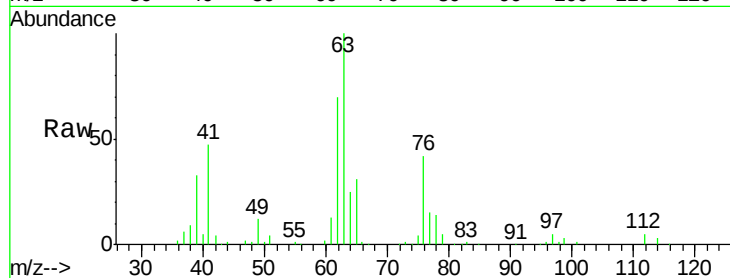
VSTD00569

Tgt Ion: 63 Resp: 97084

Ion Ratio Lower Upper

63 100

112 5.1 4.0 6.0



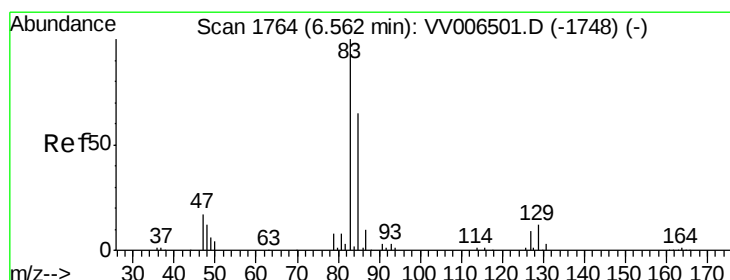
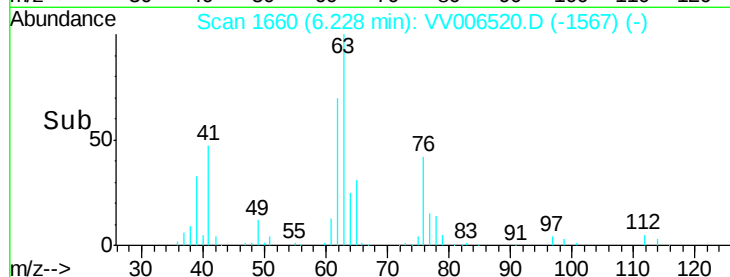
Abundance Ion 63.10 (62.80 to 63.80): VV006520.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VV006520.D (-1567) (-)

6.23

6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.296 ug/L

RT: 6.57 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

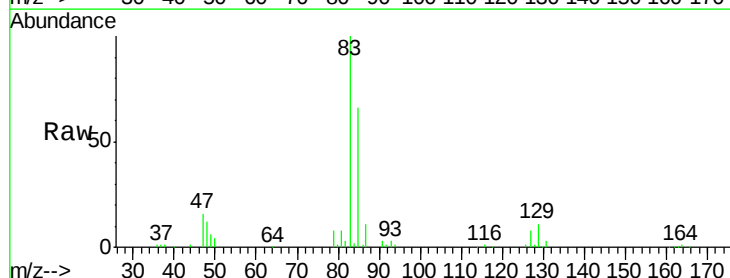
Tgt Ion: 83 Resp: 102189

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.9

127 8.3 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV006520.D (-1671) (-)

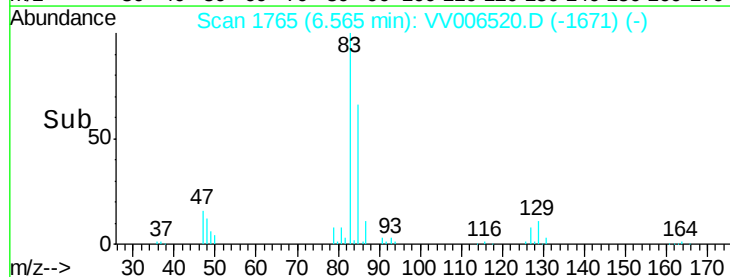
Ion 85.00 (84.70 to 85.70): VV006520.D (-1671) (-)

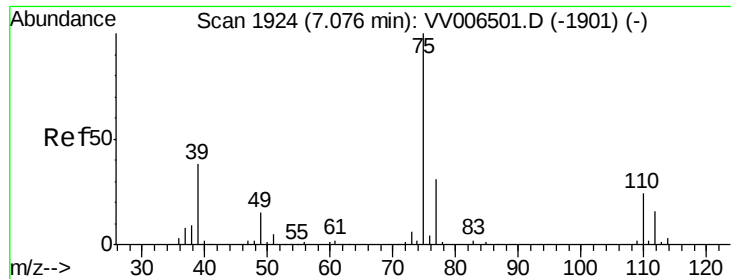
Ion 126.90 (126.60 to 127.60): VV006520.D (-1671) (-)

6.57

6.50 6.55 6.60 6.65

Time-->





#39

cis-1,3-Dichloropropene

Concen: 4.302 ug/L

RT: 7.08 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

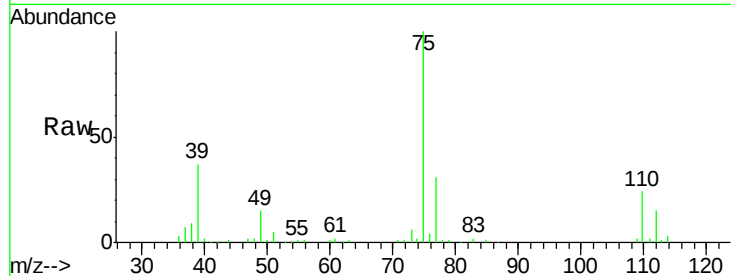
VSTD00569

Tgt Ion: 75 Resp: 123715

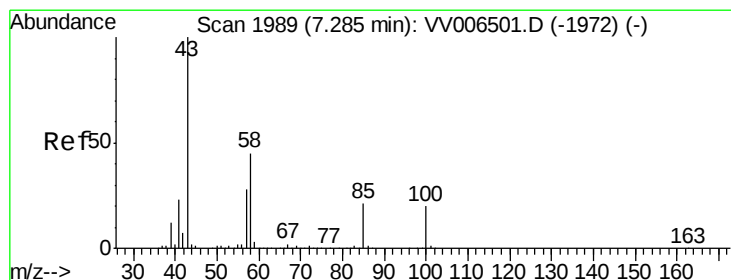
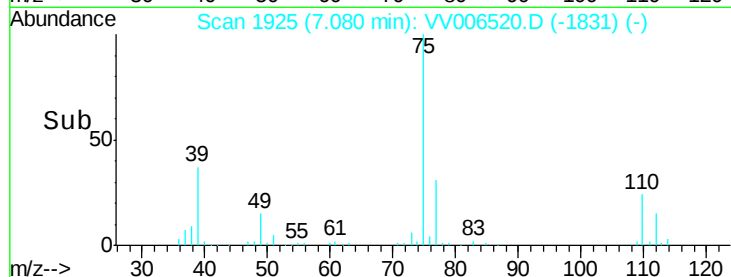
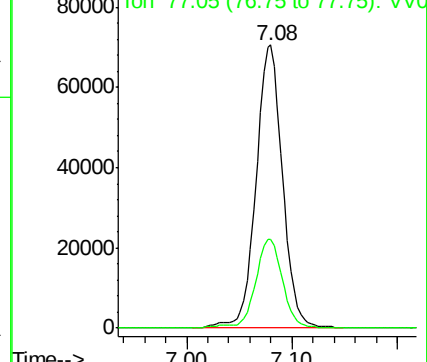
Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV006520.D (-1831) (-)



#40

4-Methyl-2-pentanone

Concen: 51.349 ug/L

RT: 7.29 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

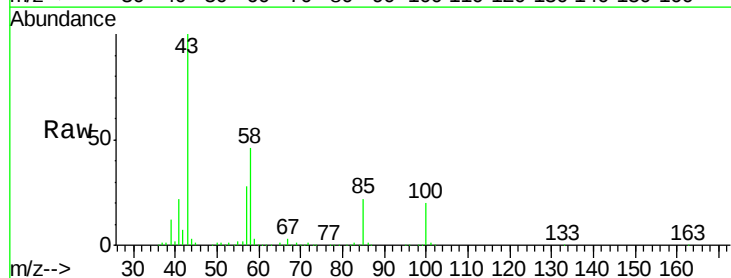
Tgt Ion: 43 Resp: 516318

Ion Ratio Lower Upper

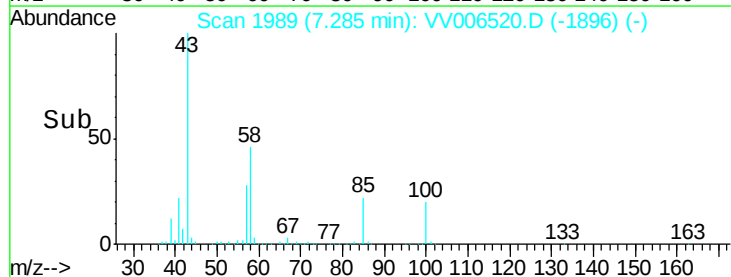
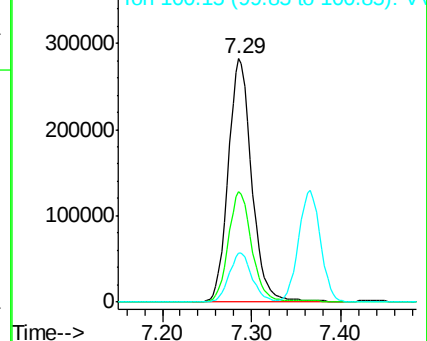
43 100

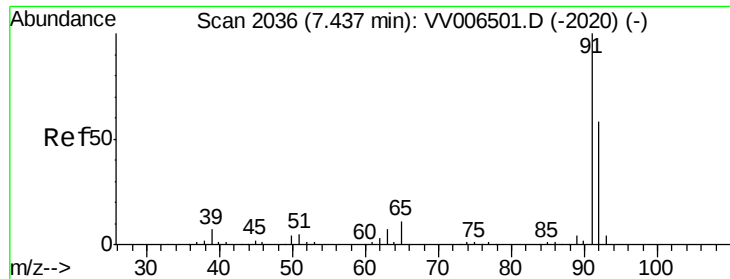
58 44.8 35.4 53.2

100 19.6 15.5 23.3



Abundance Ion 43.05 (42.75 to 43.75): VV006520.D (-1896) (-)





#42

Toluene

Concen: 4.587 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

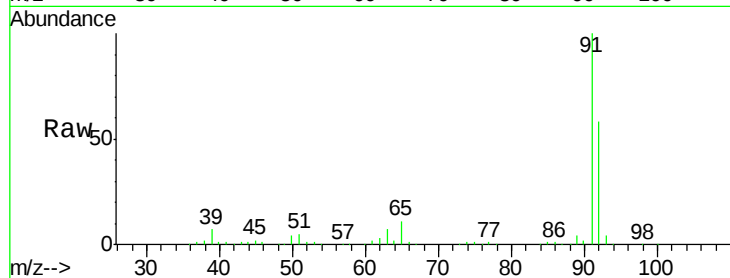
VSTD00569

Tgt Ion: 91 Resp: 410743

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

250000

200000

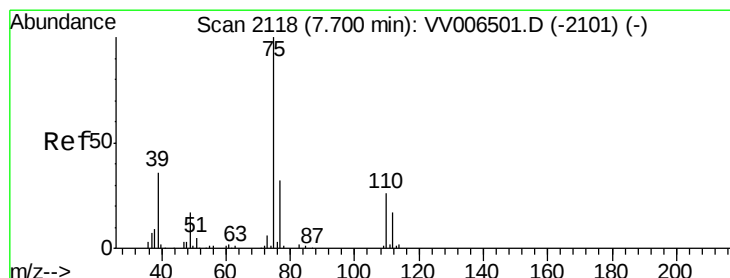
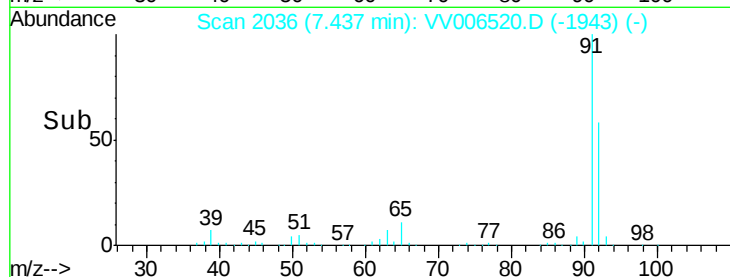
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 4.252 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006520.D

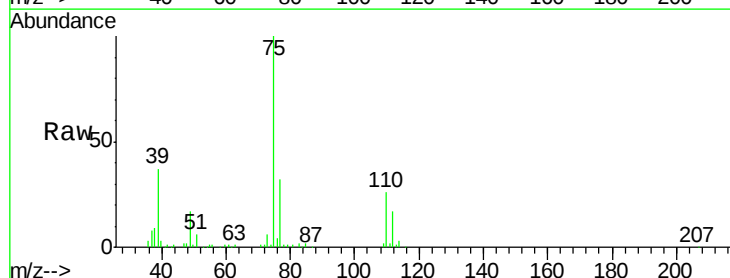
Acq: 29 Jun 2018 20:05

Tgt Ion: 75 Resp: 95902

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

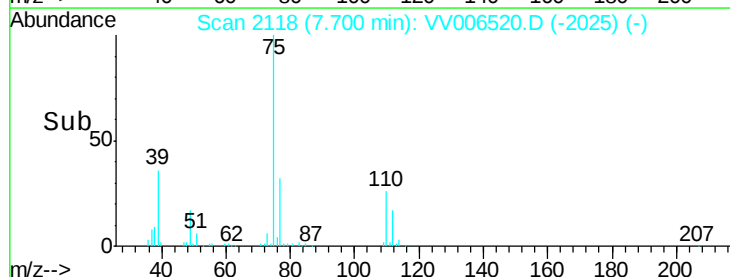
60000

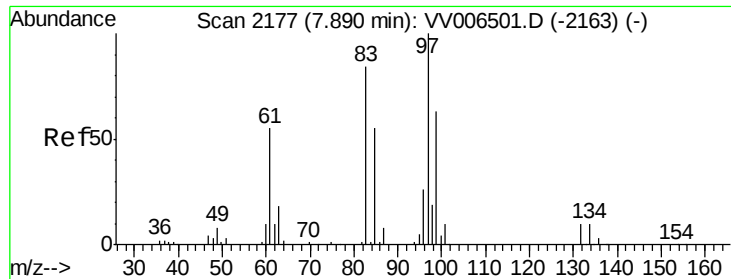
40000

20000

0

Time--> 7.60 7.70 7.80

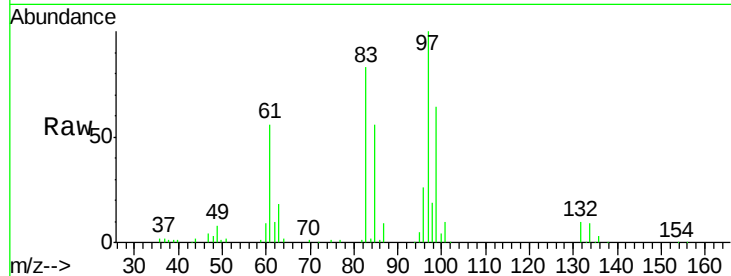




#45
 1,1,2-Trichloroethane
 Concen: 4.898 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion:	97	Resp:	69901
Ion	Ratio	Lower	Upper
97	100		
99	64.3	44.2	82.2
83	82.5	59.0	109.6
85	55.8	36.8	68.3

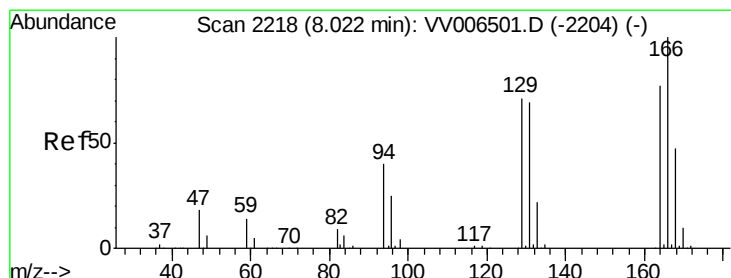
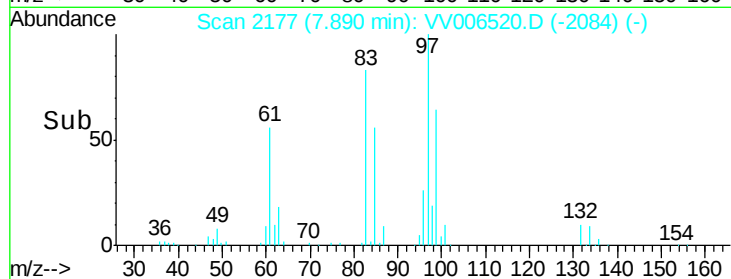
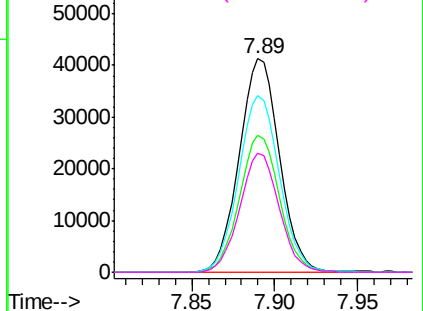


Abundance Ion 96.95 (96.65 to 97.65): VV006520.D (-2084) (-)

Ion 99.05 (98.75 to 99.75): VV006520.D (-2084) (-)

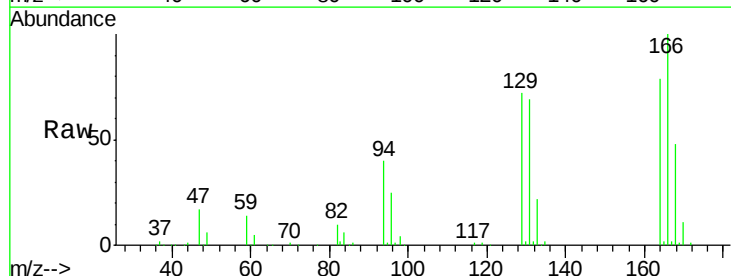
Ion 82.95 (82.65 to 83.65): VV006520.D (-2084) (-)

Ion 85.00 (84.70 to 85.70): VV006520.D (-2084) (-)



#47
 Tetrachloroethene
 Concen: 4.514 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Tgt Ion:	164	Resp:	82499
Ion	Ratio	Lower	Upper
164	100		
129	90.9	64.0	118.8
131	87.2	61.7	114.5
166	126.9	89.0	165.2

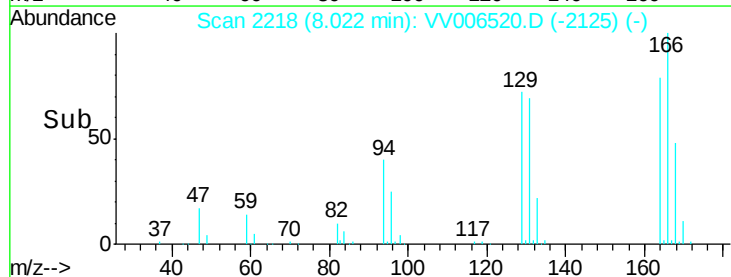
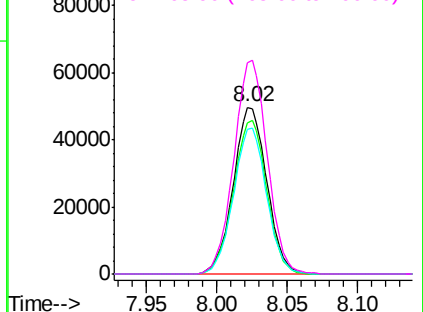


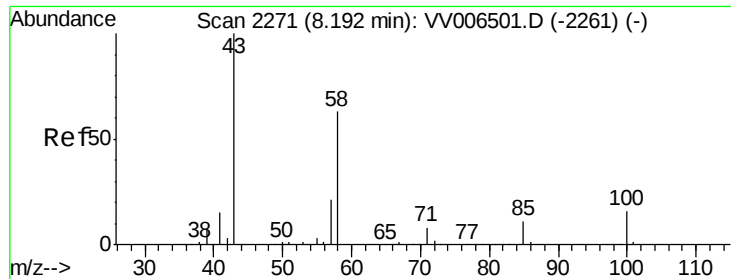
Abundance Ion 163.90 (163.60 to 164.60): VV006520.D (-2125) (-)

Ion 128.95 (128.65 to 129.65): VV006520.D (-2125) (-)

Ion 130.95 (130.65 to 131.65): VV006520.D (-2125) (-)

Ion 165.90 (165.60 to 166.60): VV006520.D (-2125) (-)

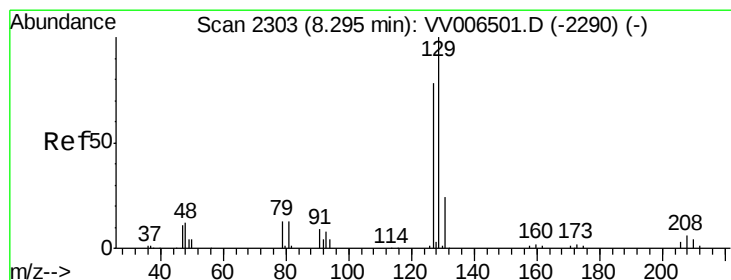
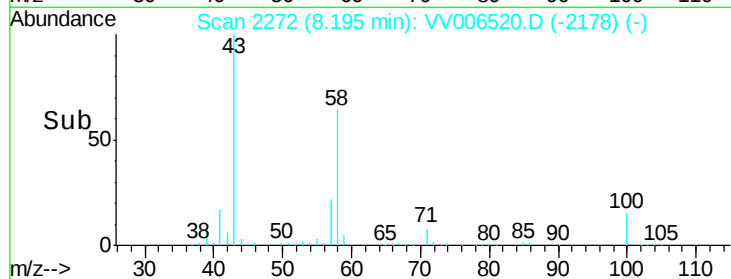
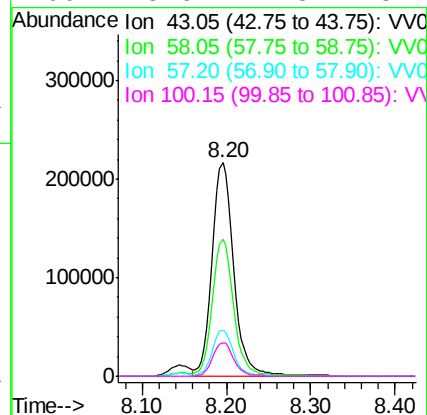
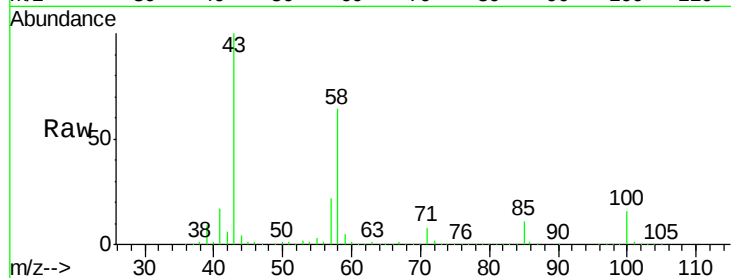




#48
2-Hexanone
Concen: 53.282 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

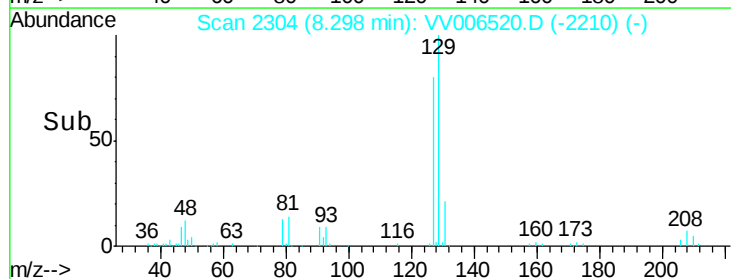
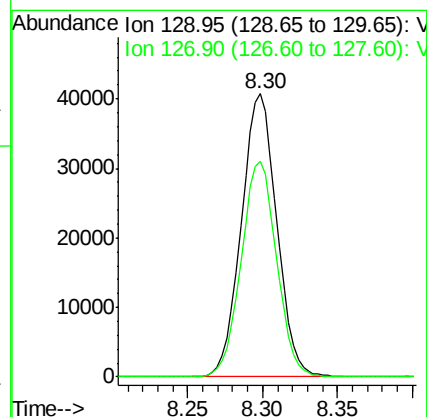
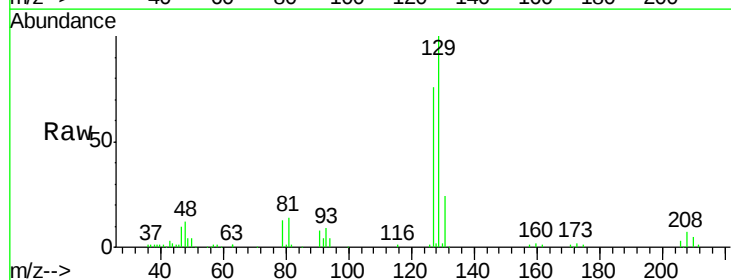
Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

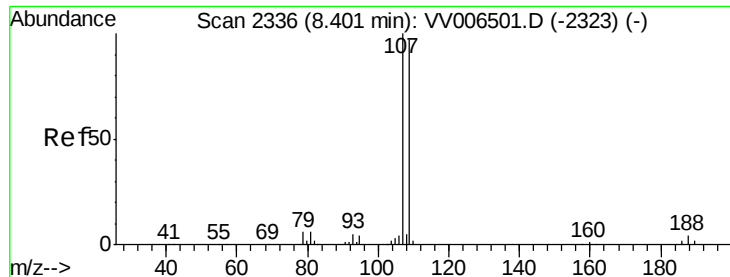
Tgt Ion: 43 Resp: 385443
Ion Ratio Lower Upper
43 100
58 63.6 49.9 74.9
57 21.6 17.3 25.9
100 15.6 12.5 18.7



#49
Dibromochloromethane
Concen: 4.411 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Tgt Ion: 129 Resp: 67106
Ion Ratio Lower Upper
129 100
127 75.9 54.0 100.2

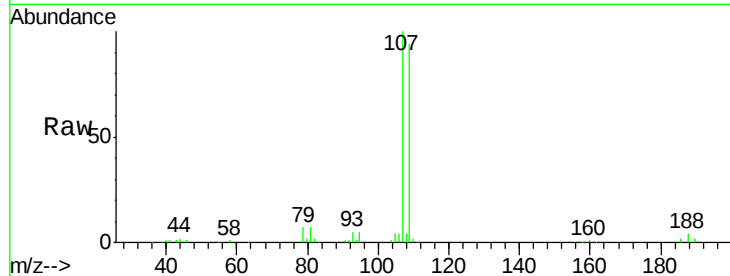




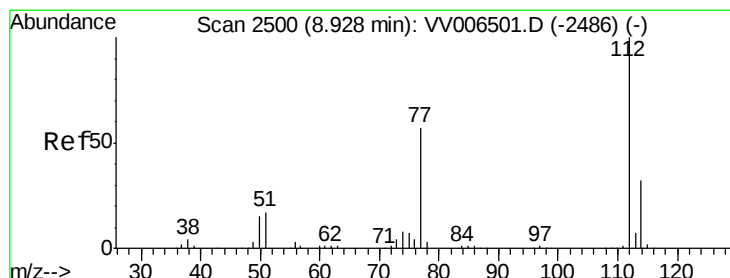
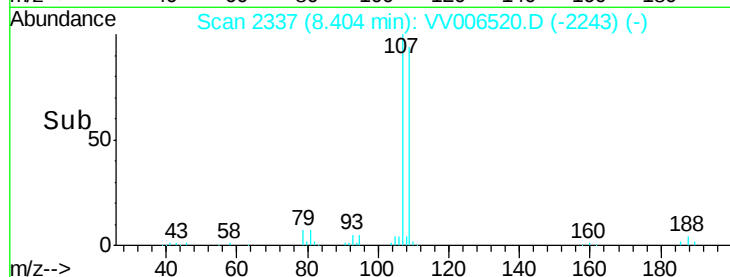
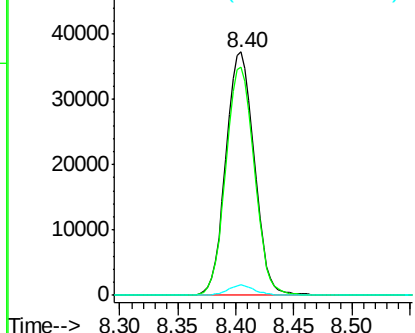
#50
1,2-Dibromoethane
Concen: 4.917 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00569

Tgt Ion:107 Resp: 63091
Ion Ratio Lower Upper
107 100
109 93.8 64.3 119.5
188 4.1 3.0 4.6

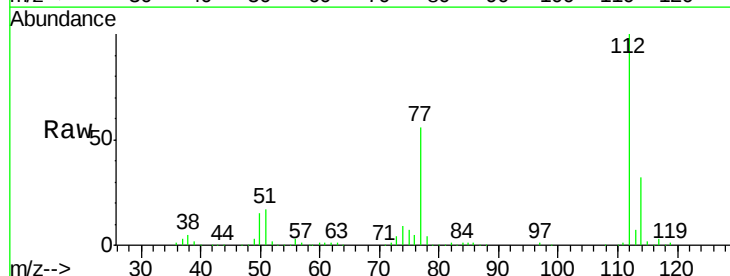


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

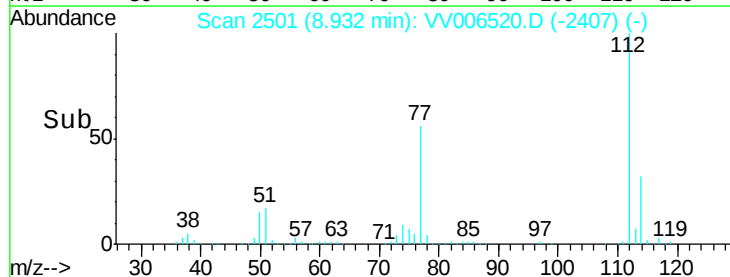
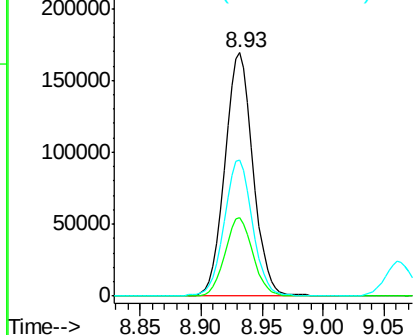


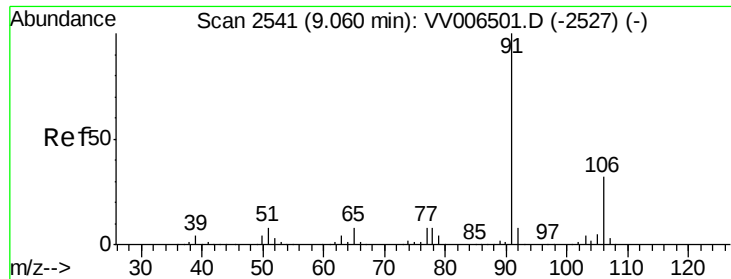
#51
Chlorobenzene
Concen: 4.623 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006520.D
Acq: 29 Jun 2018 20:05

Tgt Ion:112 Resp: 273923
Ion Ratio Lower Upper
112 100
114 32.1 22.8 42.4
77 56.1 44.6 66.8



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: 4.572 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

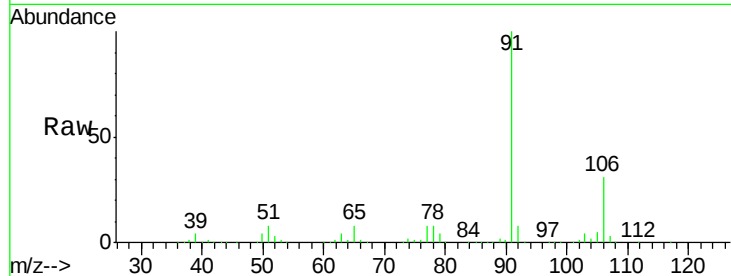
VSTD00569

Tgt Ion: 91 Resp: 443286

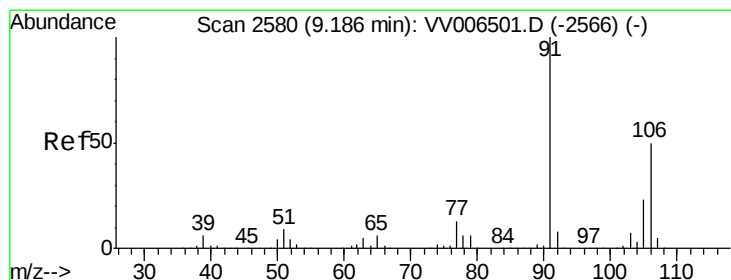
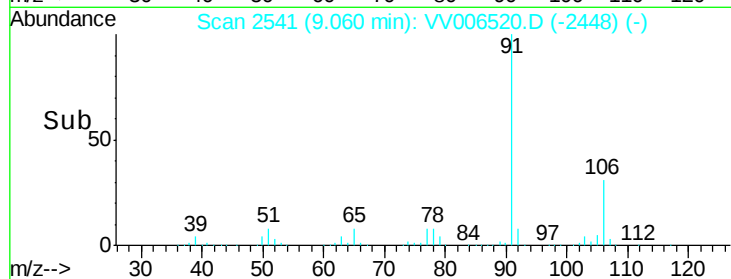
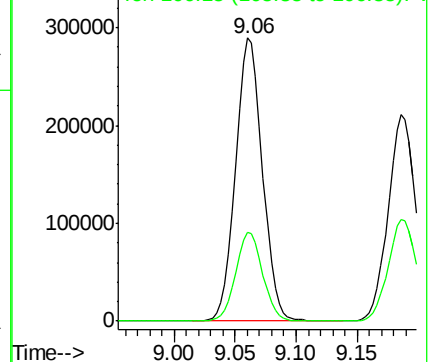
Ion Ratio Lower Upper

91 100

106 31.4 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006520.D (-2448) (-)



#53

m,p-xylene

Concen: 4.550 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006520.D

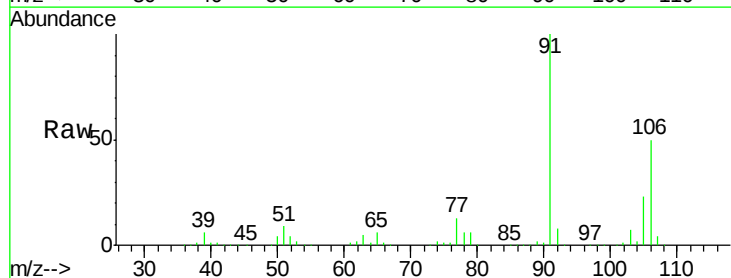
Acq: 29 Jun 2018 20:05

Tgt Ion: 106 Resp: 170122

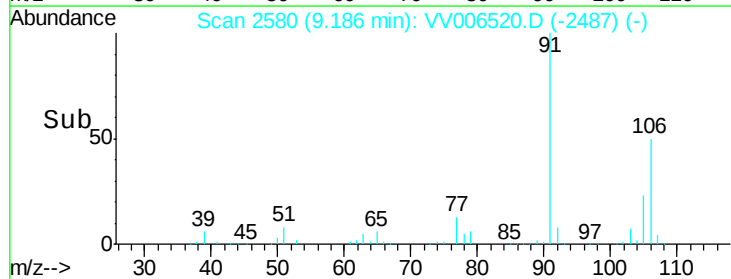
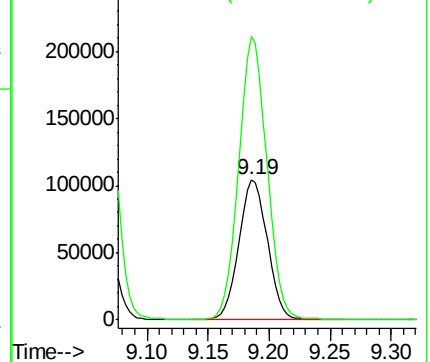
Ion Ratio Lower Upper

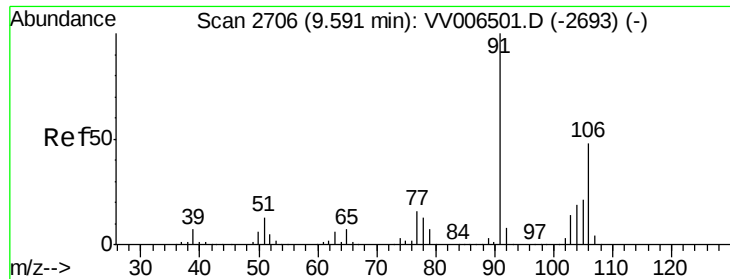
106 100

91 201.7 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006520.D (-2487) (-)





#54

o-xylene

Concen: 4.557 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

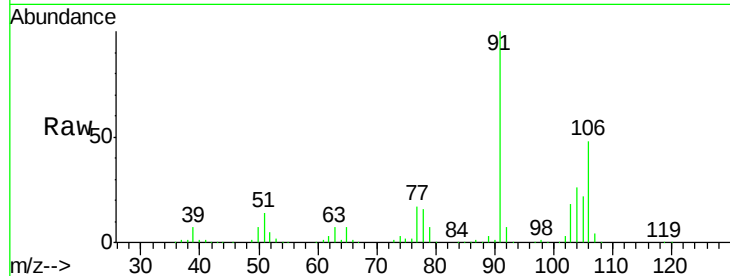
VSTD00569

Tgt Ion:106 Resp: 167141

Ion Ratio Lower Upper

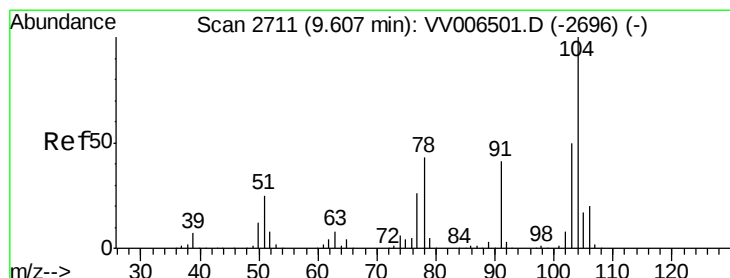
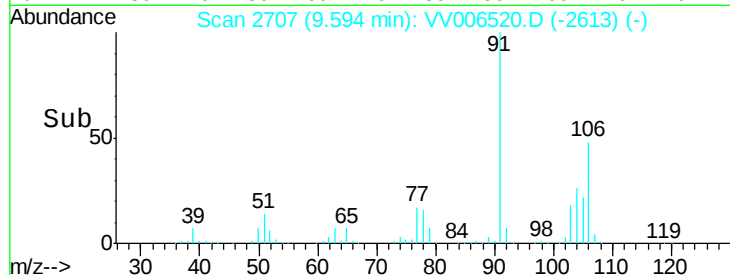
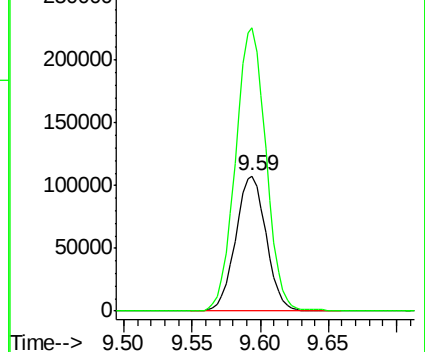
106 100

91 209.3 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.768 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006520.D

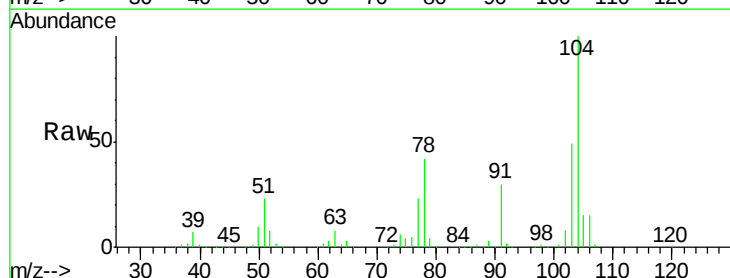
Acq: 29 Jun 2018 20:05

Tgt Ion:104 Resp: 286156

Ion Ratio Lower Upper

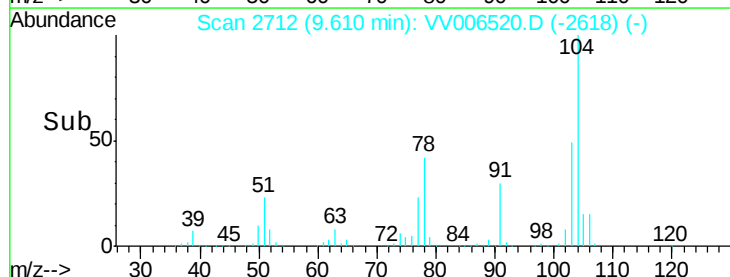
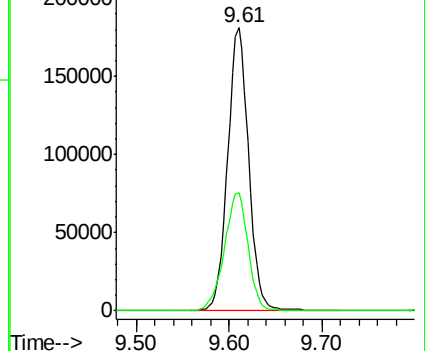
104 100

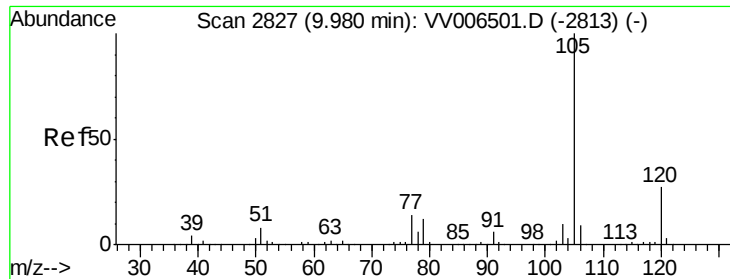
78 41.8 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.609 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

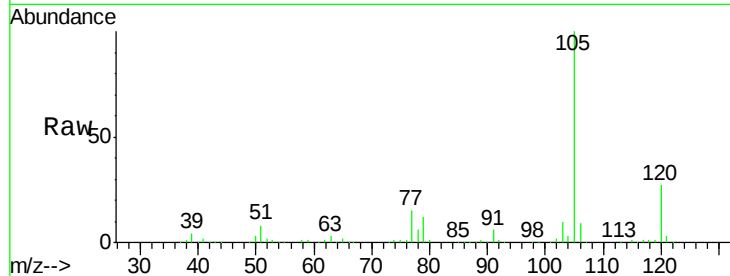
Tgt Ion: 105 Resp: 440553

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

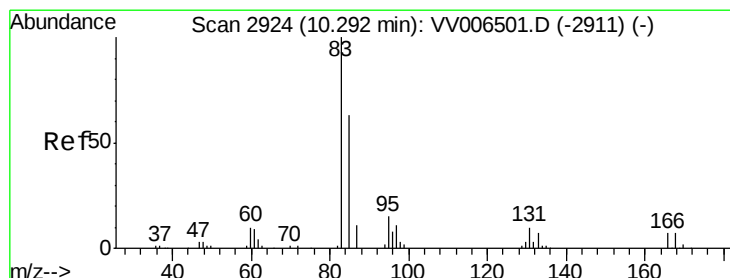
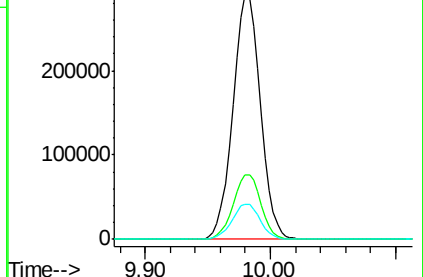
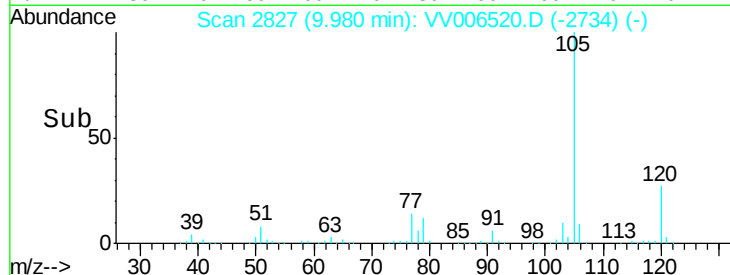
77 14.7 11.8 17.8



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: 5.016 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

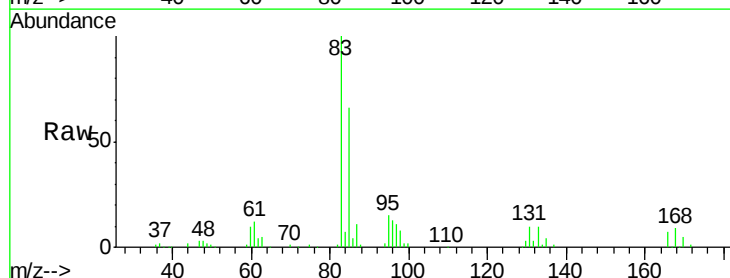
Tgt Ion: 83 Resp: 67514

Ion Ratio Lower Upper

83 100

85 65.6 44.8 83.2

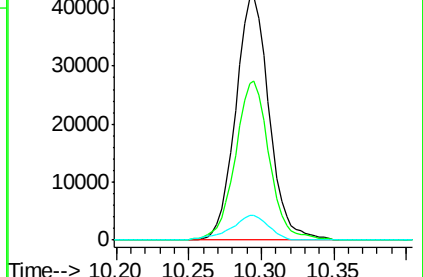
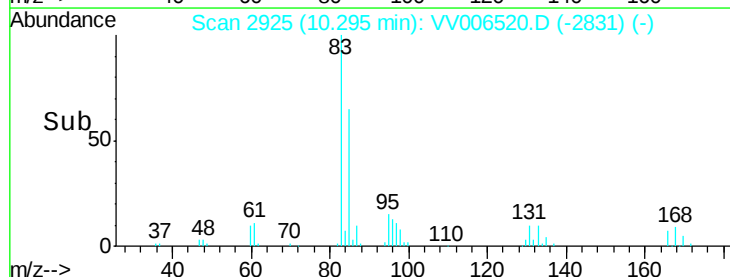
131 10.3 7.9 11.9

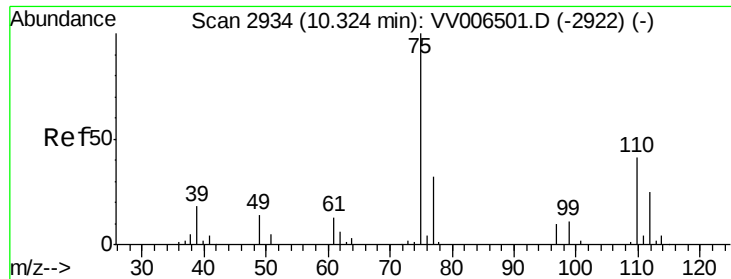


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

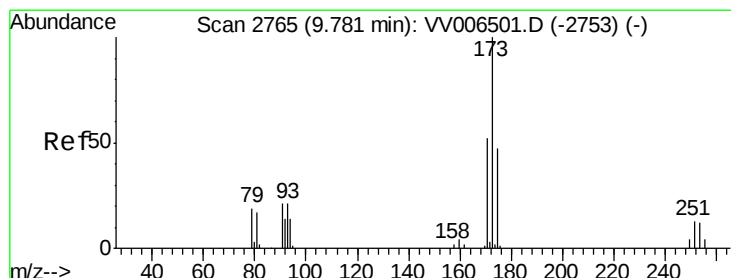
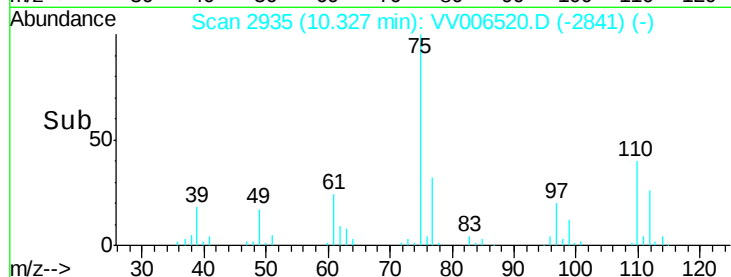
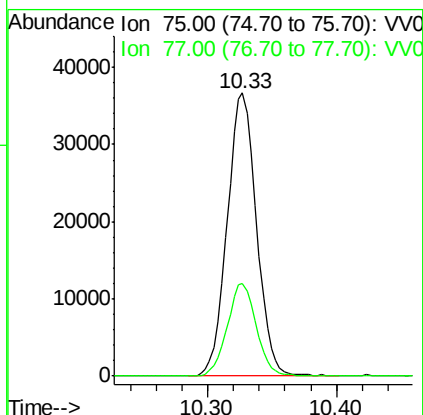
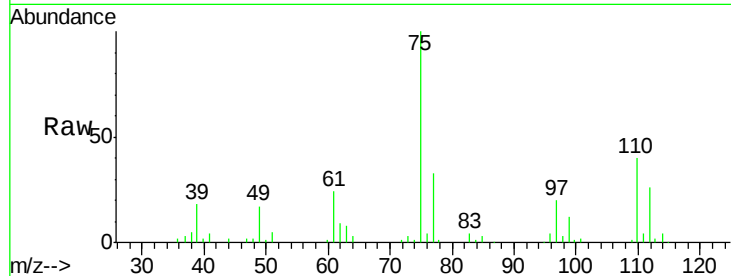




#59
 1,2,3-Trichloropropane
 Concen: 5.147 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

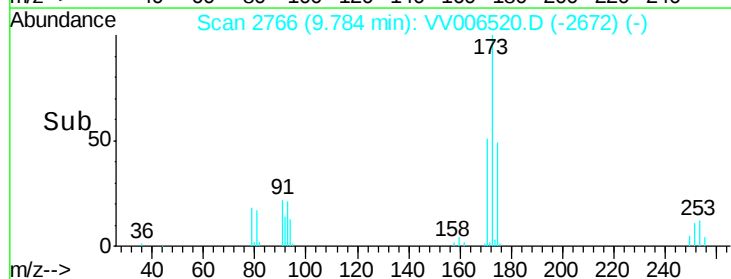
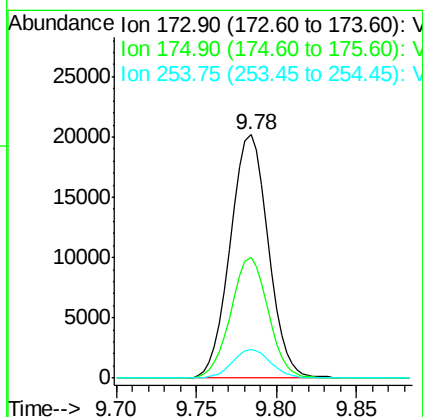
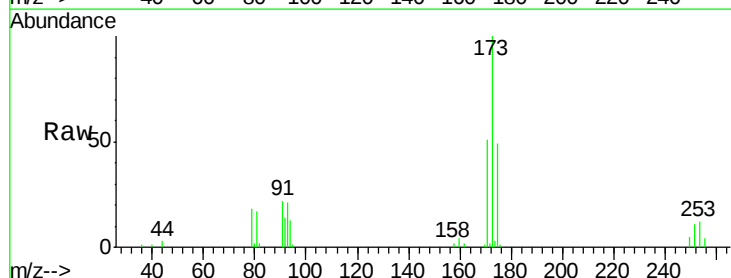
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

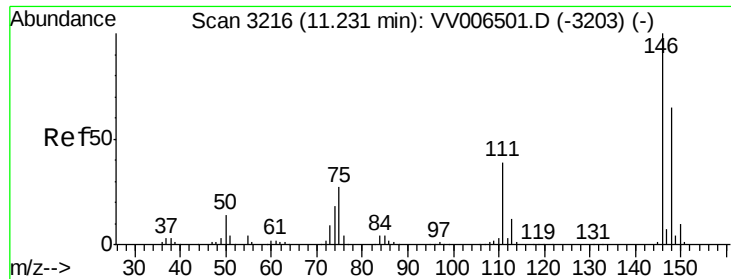
Tgt Ion: 75 Resp: 57852
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 4.188 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Tgt Ion: 173 Resp: 32639
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.8 58.2
 254 11.6 9.0 13.6

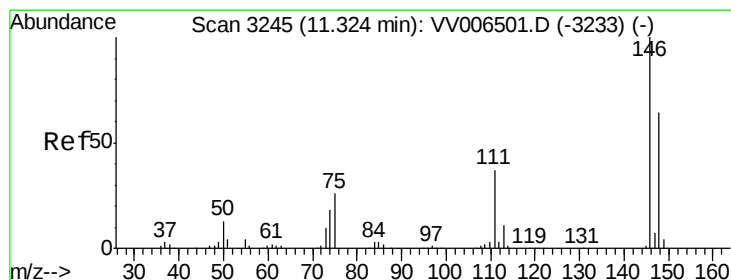
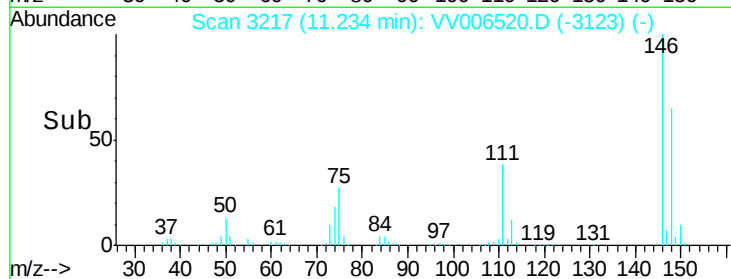
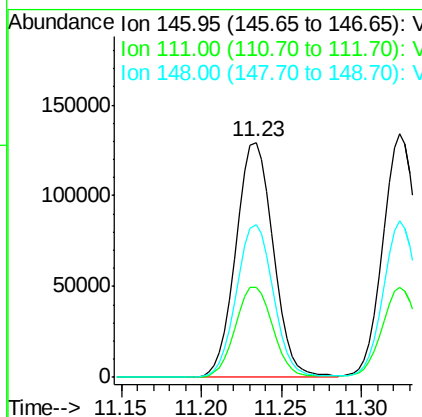
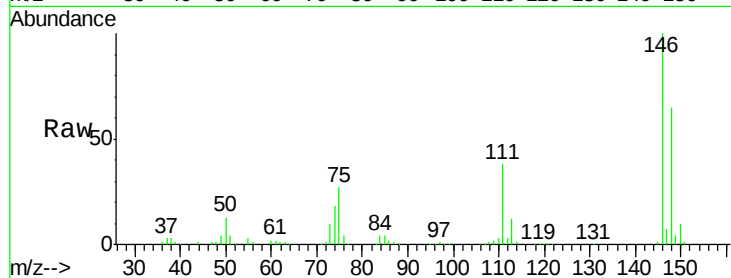




#62
 1,3-Dichlorobenzene
 Concen: 4.501 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

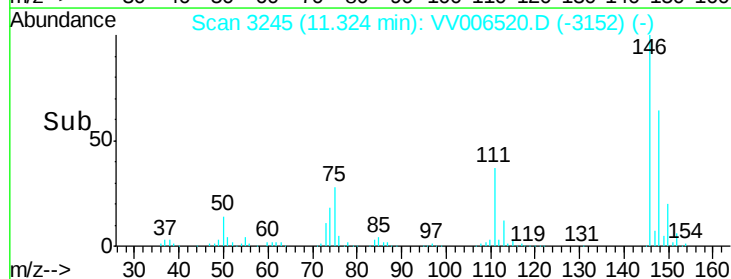
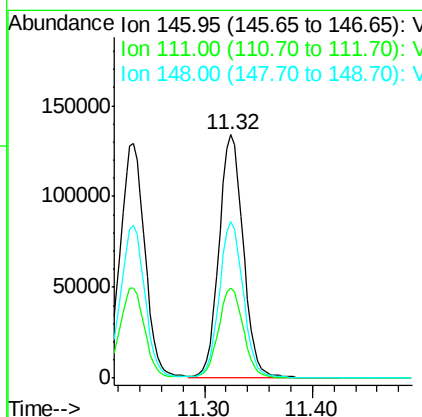
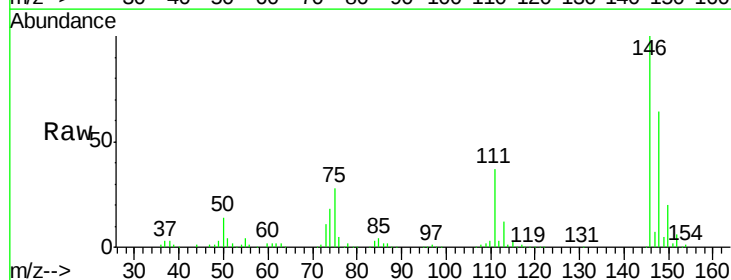
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

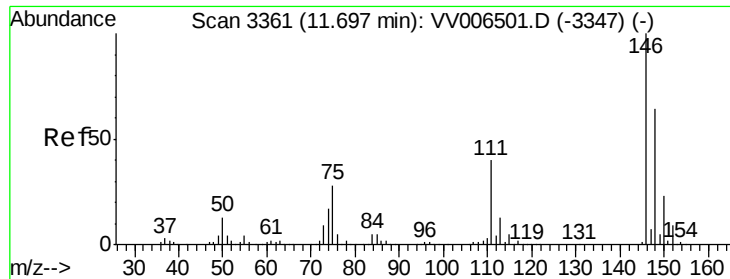
Tgt Ion:146 Resp: 205849
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.4 51.0
 148 64.9 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 4.594 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Tgt Ion:146 Resp: 210150
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.3 48.9
 148 64.1 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 4.724 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00569

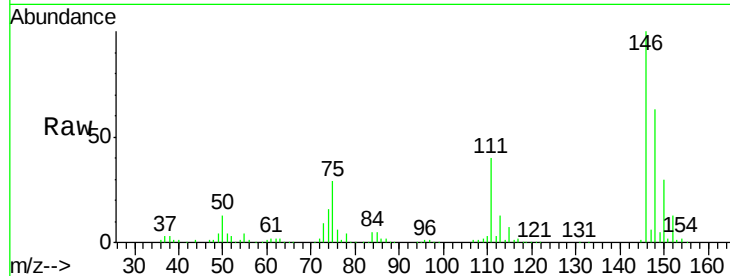
Tgt Ion:146 Resp: 202225

Ion Ratio Lower Upper

146 100

111 40.2 32.0 48.0

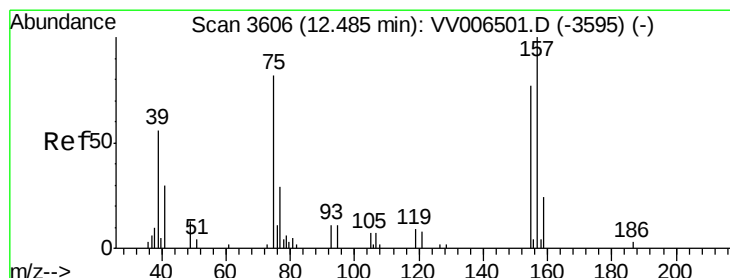
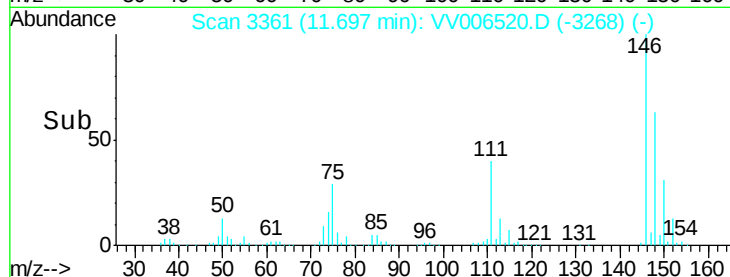
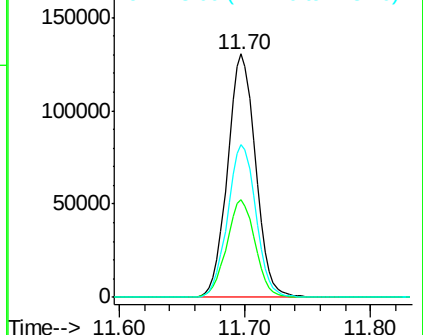
148 62.8 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.212 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

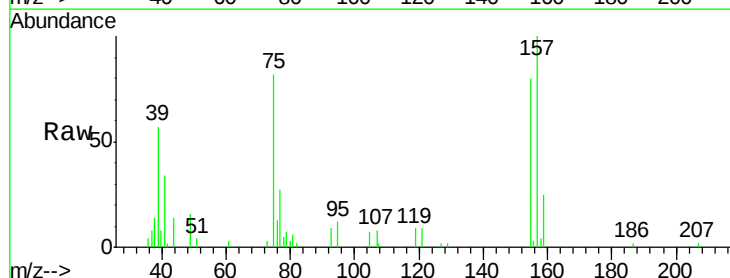
Tgt Ion: 75 Resp: 7662

Ion Ratio Lower Upper

75 100

155 98.2 73.9 110.9

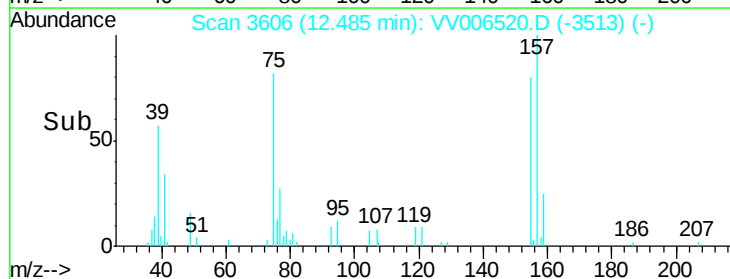
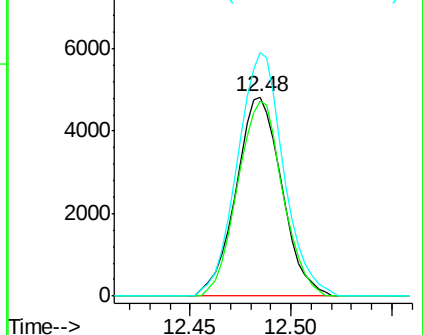
157 122.3 92.9 139.3

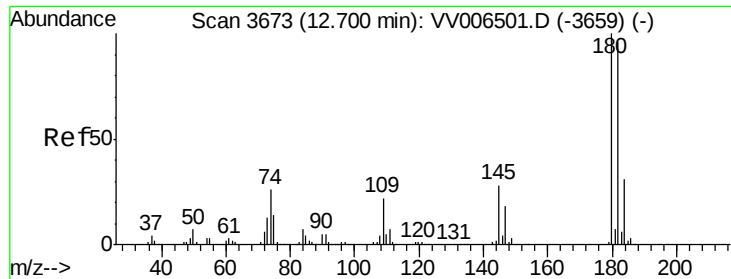


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

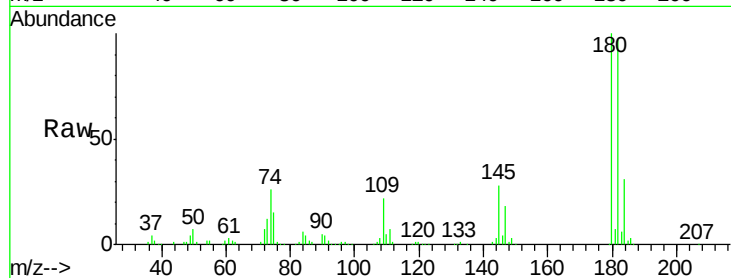




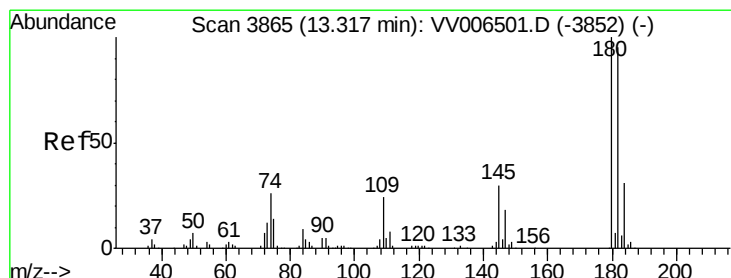
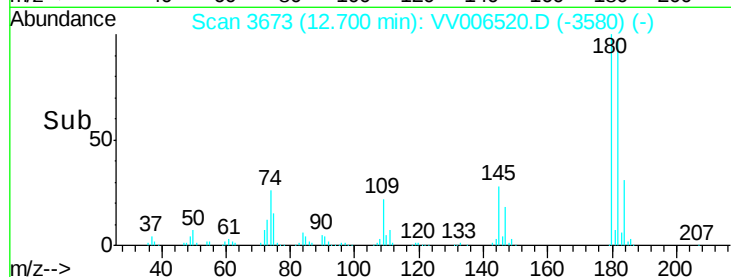
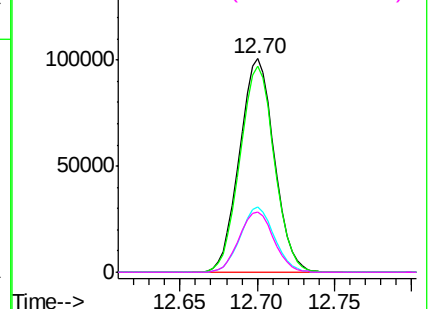
#67
 1,3,5-Trichlorobenzene
 Concen: 4.515 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00569

Tgt Ion:180 Resp: 156924
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 30.0 24.5 36.7
 145 28.3 22.6 34.0

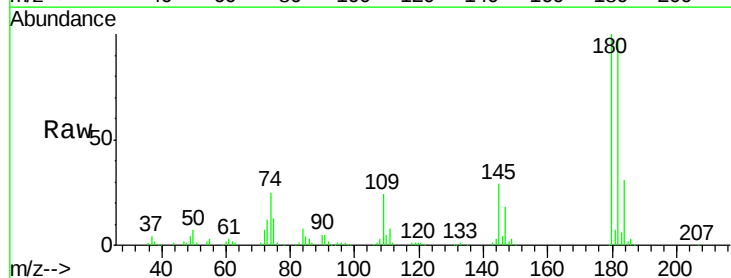


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

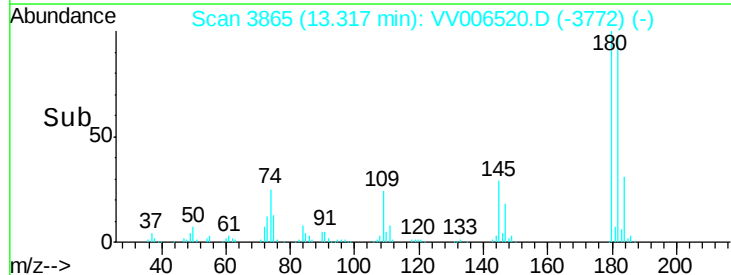
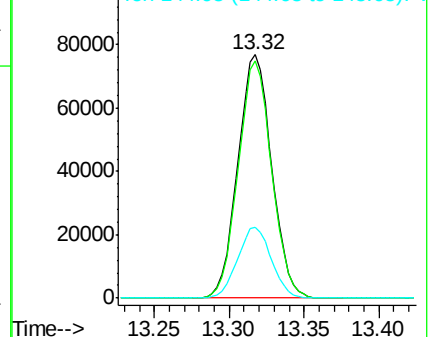


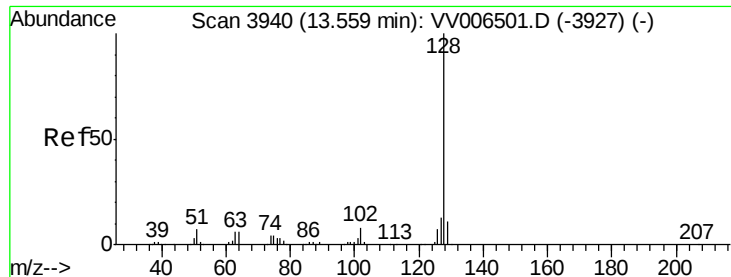
#68
 1,2,4-trichlorobenzene
 Concen: 4.744 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006520.D
 Acq: 29 Jun 2018 20:05

Tgt Ion:180 Resp: 120909
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.7 115.1
 145 29.1 23.0 34.6



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: 5.035 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

Instrument :

MSVOA_V

ClientSampled :

VSTD00569

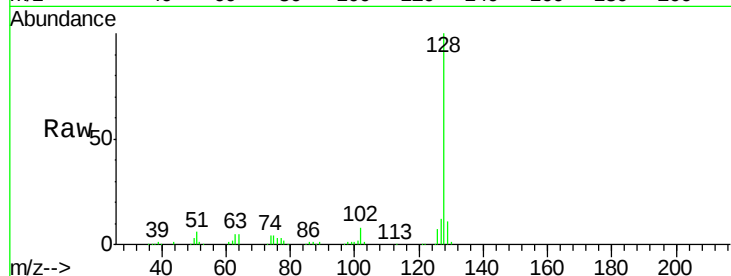
Tgt Ion:128 Resp: 187572

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

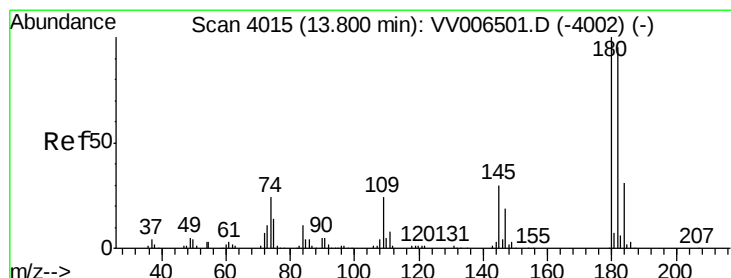
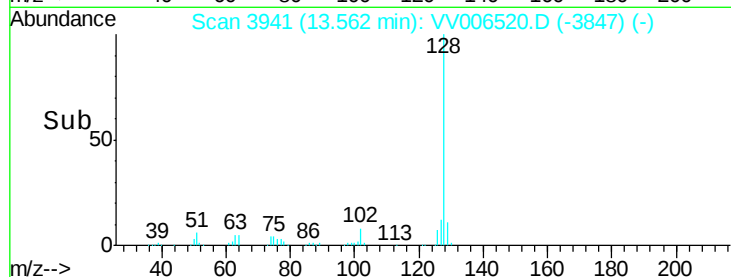
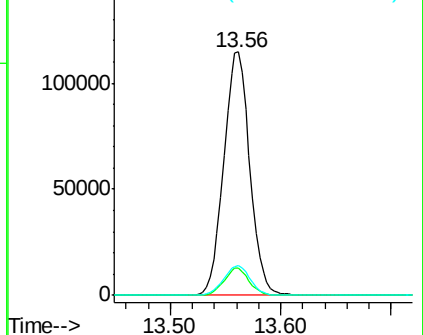
127 12.4 10.2 15.4



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: 4.979 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006520.D

Acq: 29 Jun 2018 20:05

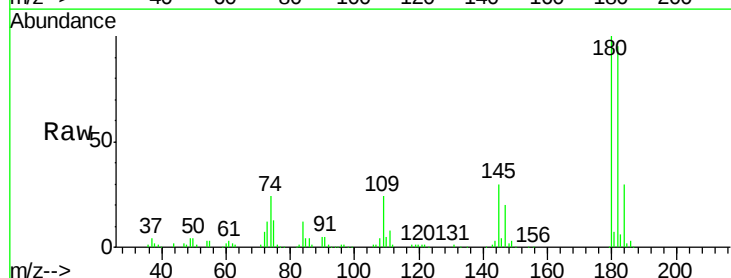
Tgt Ion:180 Resp: 118113

Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 30.6 24.8 37.2



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

