

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV070318\
 Data File : VV006550.D
 Acq On : 03 Jul 2018 17:57
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Quant Time: Jul 03 22:59:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 03 22:57:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	5018	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.91	117	3513	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	586	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	2348	7.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	142.40%#
7) Chloroethane-d5	1.58	69	244	0.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	18.40%#
11) 1,1-Dichloroethene-d2	2.14	63	3398	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	116.20%
20) 2-Butanone-d5	3.94	46	1804	29.18	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	58.36%
24) Chloroform-d	4.40	84	2398	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.09	65	1684	6.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.00%
32) Benzene-d6	5.11	84	6676	7.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	146.00%#
36) 1,2-Dichloropropane-d6	6.13	67	2011	7.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	147.60%#
41) Toluene-d8	7.37	98	5042	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
43) trans-1,3-Dichloropropene-	7.67	79	214	2.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	42.60%#
46) 2-Hexanone-d5	8.14	63	2407	60.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.04%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	757	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	853	7.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	156.60%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	2248	6.113 ug/L	96
3) Chloromethane	1.25	50	2393	6.348 ug/L	92
5) Vinyl chloride	1.32	62	2455	5.994 ug/L	93
6) Bromomethane	1.54	94	1335	5.628 ug/L	83
8) Chloroethane	1.61	64	1489	5.732 ug/L #	42
9) Trichlorofluoromethane	1.78	101	3173	6.445 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	2152	6.959 ug/L	89
12) 1,1-Dichloroethene	2.15	96	1845	6.080 ug/L	92
13) Acetone	2.19	43	3575	94.336 ug/L	95
14) Carbon disulfide	2.33	76	4098	4.782 ug/L	96
15) Methyl Acetate	2.47	43	818	7.331 ug/L #	76
16) Methylene chloride	2.54	84	2093	5.888 ug/L	84
17) Methyl tert-butyl Ether	2.81	73	4211	5.725 ug/L	96
18) trans-1,2-Dichloroethene	2.80	96	1845	5.553 ug/L	96
19) 1,1-Dichloroethane	3.24	63	3419	5.778 ug/L #	89
21) 2-Butanone	4.02	43	6187	90.339 ug/L	92
22) cis-1,2-Dichloroethene	3.97	96	2051	5.614 ug/L	85

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 VSTD00573

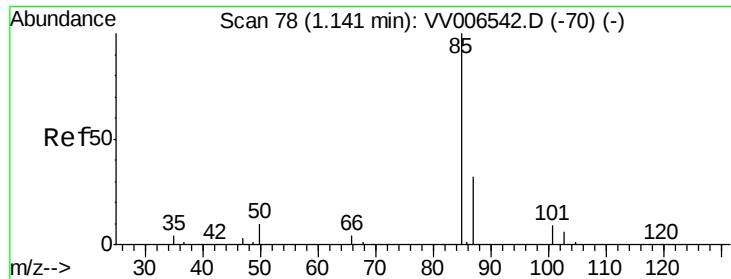
Quant Time: Jul 03 22:59:01 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.31	128	863	5.813	ug/L	82
25) Chloroform	4.44	83	3427	5.746	ug/L	97
27) 1,2-Dichloroethane	5.19	62	2123	6.335	ug/L #	71
29) 1,1,1-Trichloroethane	4.67	97	2603	6.795	ug/L #	64
30) Cyclohexane	4.74	56	2683	7.007	ug/L #	76
31) Carbon tetrachloride	4.67	117	221	0.688	ug/L	83
33) Benzene	5.16	78	7144	6.886	ug/L	100
34) Trichloroethene	5.97	95	2167	7.301	ug/L	83
35) Methylcyclohexane	6.19	83	2773	6.426	ug/L	95
37) 1,2-Dichloropropane	6.23	63	1733	6.835	ug/L #	85
38) Bromodichloromethane	6.57	83	1044	3.577	ug/L #	94
39) cis-1,3-Dichloropropene	7.08	75	1039	2.945	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	9487	76.900	ug/L	99
42) Toluene	7.44	91	6266	5.703	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	568	2.053	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	1068	6.099	ug/L #	88
47) Tetrachloroethene	8.03	164	1494	6.663	ug/L	96
48) 2-Hexanone	8.20	43	5915	66.645	ug/L #	90
49) Dibromochloromethane	8.29	129	430	2.304	ug/L	93
50) 1,2-Dibromoethane	8.40	107	815	5.177	ug/L #	99
51) Chlorobenzene	8.94	112	3544	4.875	ug/L	98
52) Ethylbenzene	9.06	91	5807	4.882	ug/L	99
53) m,p-xylene	9.19	106	1855	4.044	ug/L	93
54) o-xylene	9.59	106	1916	4.258	ug/L	100
55) Styrene	9.61	104	1579	2.145	ug/L	97
56) Isopropylbenzene	9.98	105	4651	3.966	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.30	83	645	3.906	ug/L #	81
59) 1,2,3-Trichloropropane	10.33	75	644	4.670	ug/L	94
61) Bromoform	9.78	173	155	4.713	ug/L #	36
62) 1,3-Dichlorobenzene	11.24	146	1191	6.170	ug/L	98
63) 1,4-Dichlorobenzene	11.33	146	1237	6.407	ug/L	93
65) 1,2-Dichlorobenzene	11.70	146	1401	7.755	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.70	75	92	11.984	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.70	180	951	6.484	ug/L #	87
68) 1,2,4-trichlorobenzene	13.32	180	584	5.430	ug/L #	89
69) Naphthalene	13.56	128	1330	8.460	ug/L #	76
70) 1,2,3-Trichlorobenzene	13.80	180	832	8.310	ug/L #	93

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

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ALS Vial : 1 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 6.113 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

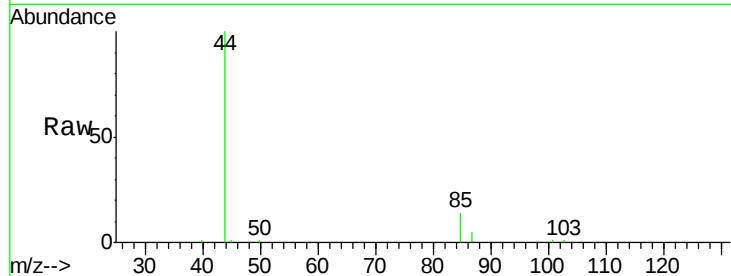
VSTD00573

Tgt Ion: 85 Resp: 2248

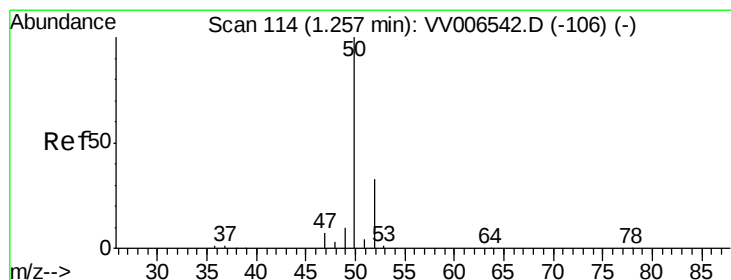
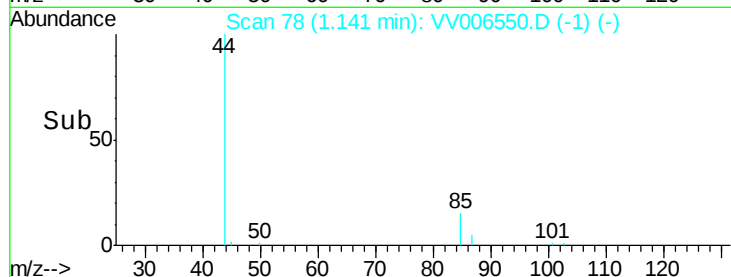
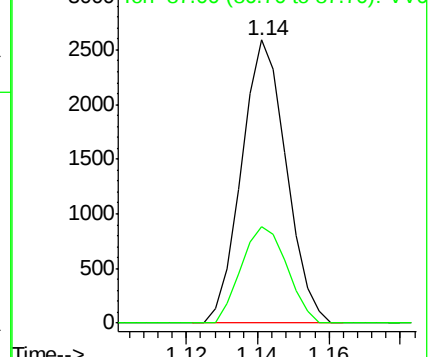
Ion Ratio Lower Upper

85 100

87 34.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV006550.D (-1) (-)



#3

Chloromethane

Concen: 6.348 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006550.D

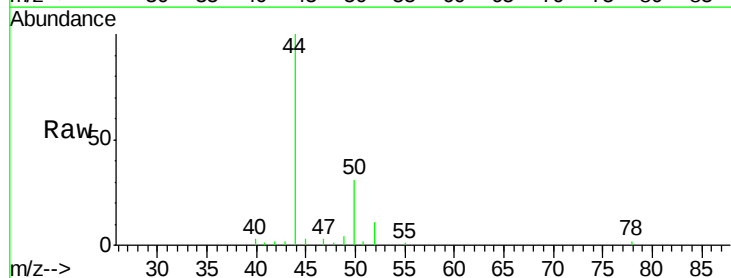
Acq: 03 Jul 2018 17:57

Tgt Ion: 50 Resp: 2393

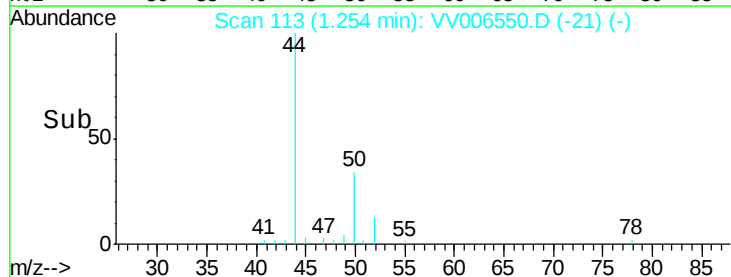
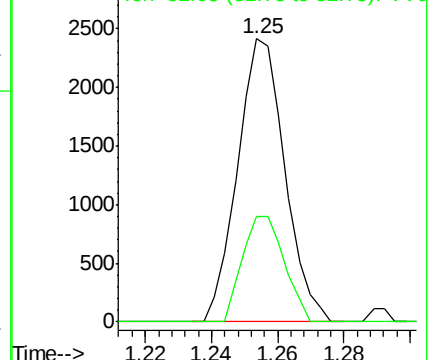
Ion Ratio Lower Upper

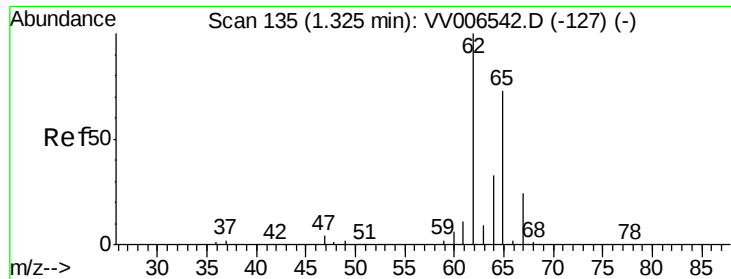
50 100

52 37.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV006550.D (-21) (-)





#5

Vinyl chloride

Concen: 5.994 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

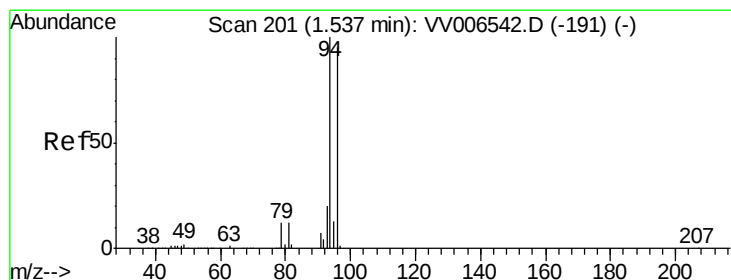
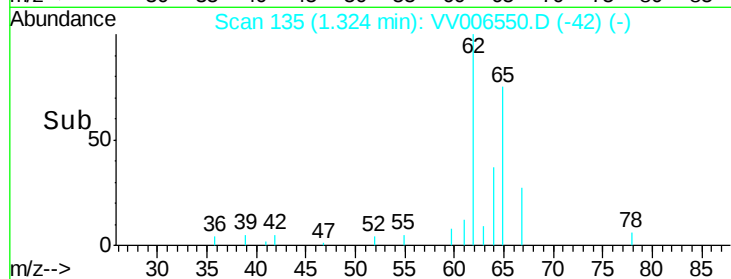
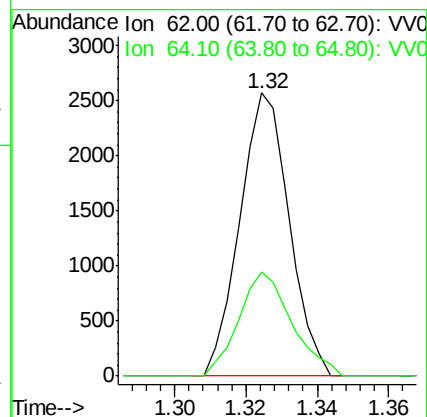
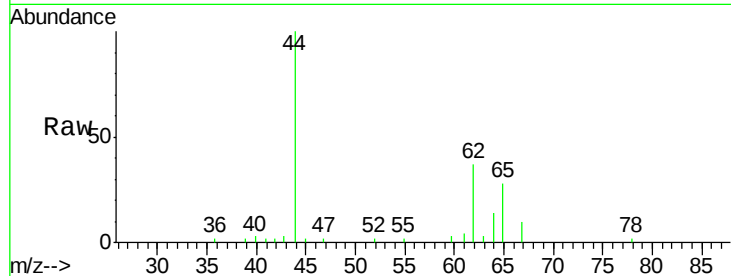
VSTD00573

Tgt Ion: 62 Resp: 2455

Ion Ratio Lower Upper

62 100

64 36.7 23.1 42.9



#6

Bromomethane

Concen: 5.628 ug/L

RT: 1.54 min Scan# 202

Delta R.T. 0.00 min

Lab File: VV006550.D

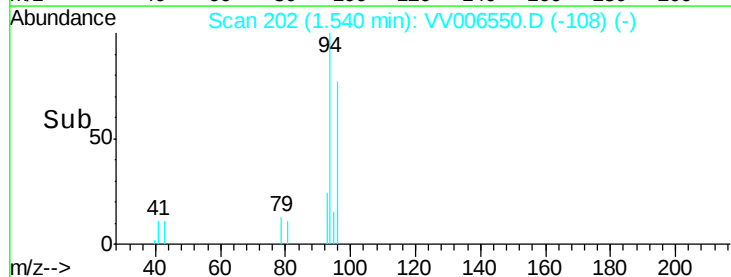
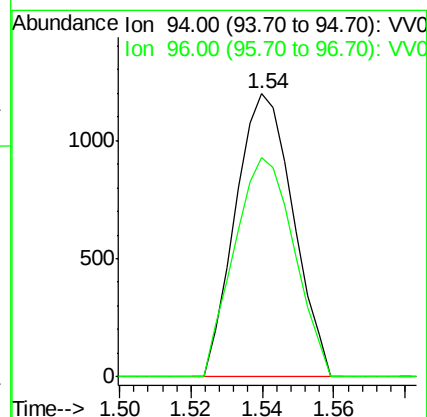
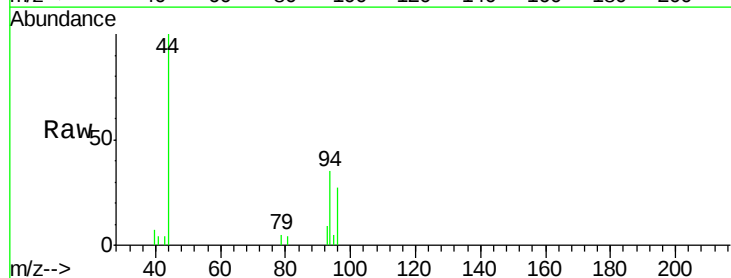
Acq: 03 Jul 2018 17:57

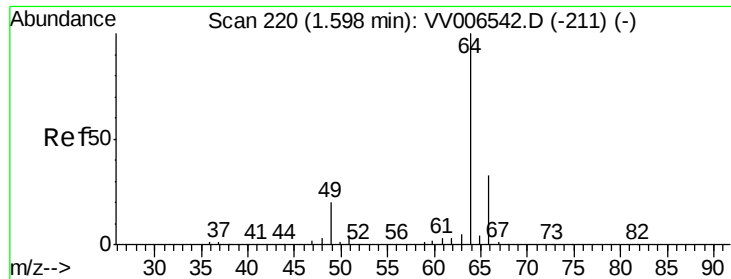
Tgt Ion: 94 Resp: 1335

Ion Ratio Lower Upper

94 100

96 77.4 65.7 122.1

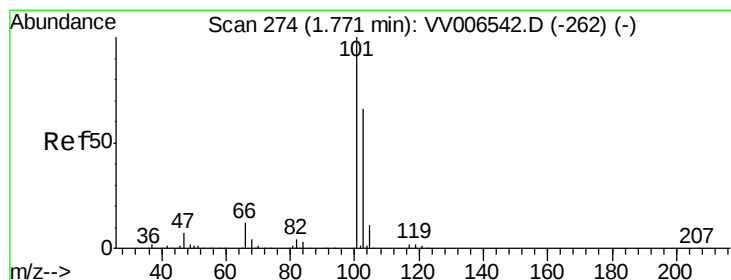
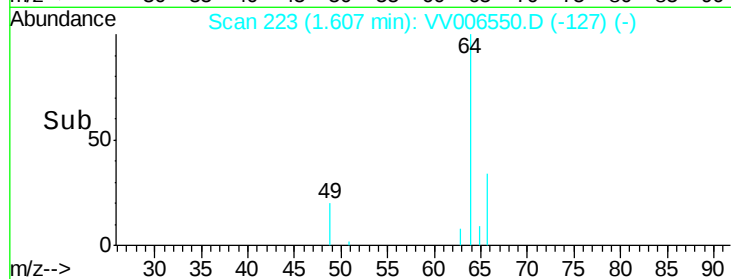
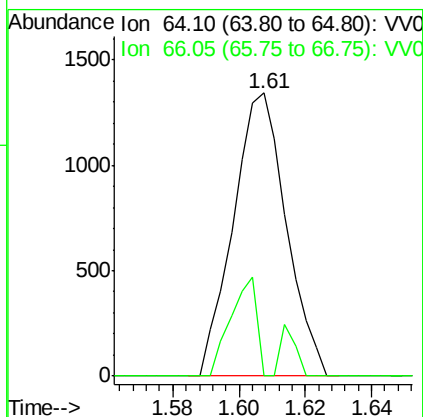
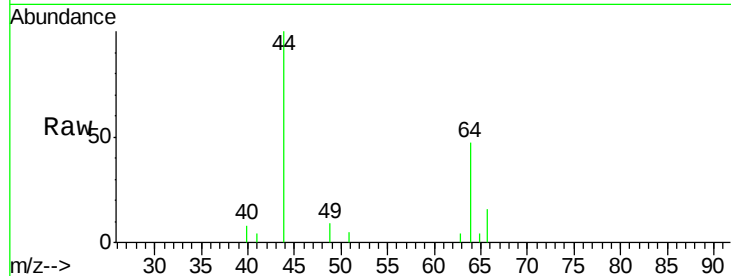




#8
Chloroethane
Concen: 5.732 ug/L
RT: 1.61 min Scan# 223
Delta R.T. 0.01 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

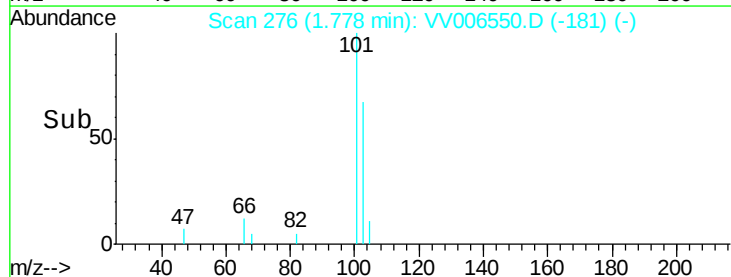
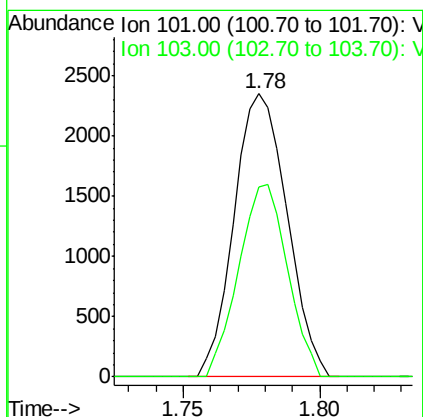
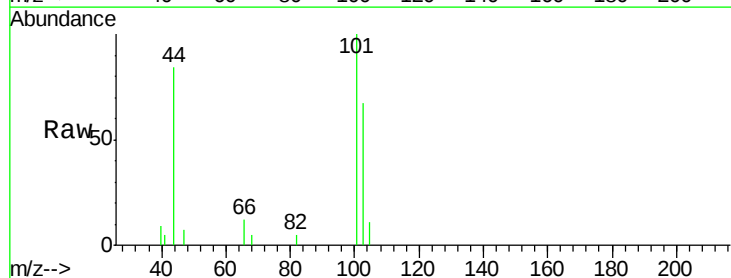
Instrument :
MSVOA_V
ClientSampleId :
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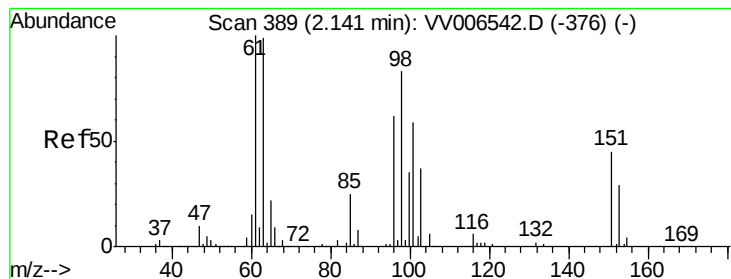
Tgt Ion: 64 Resp: 1489
Ion Ratio Lower Upper
64 100
66 0.0 22.8 42.4#



#9
Trichlorofluoromethane
Concen: 6.445 ug/L
RT: 1.78 min Scan# 276
Delta R.T. 0.01 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

Tgt Ion: 101 Resp: 3173
Ion Ratio Lower Upper
101 100
103 62.2 51.5 77.3





#10

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

Concen: 6.959 ug/L

RT: 2.15 min Scan# 393

Delta R.T. 0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

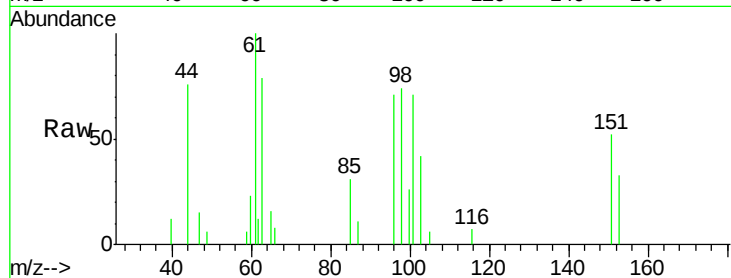
Tgt Ion: 101 Resp: 2152

Ion Ratio Lower Upper

101 100

85 40.0 33.1 49.7

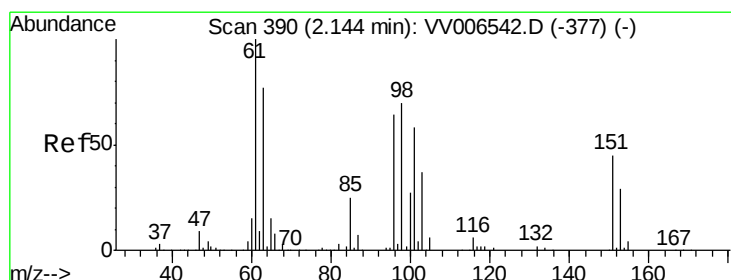
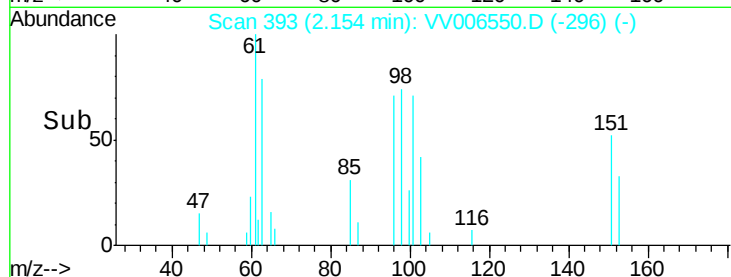
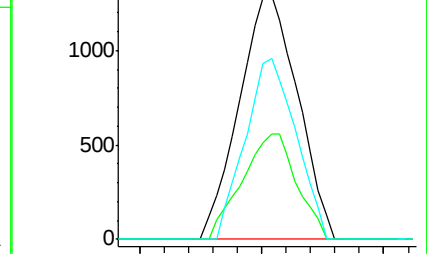
151 64.0 61.7 92.5



Abundance Ion 101.00 (100.70 to 101.70): VV006550.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006550.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006550.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 6.080 ug/L

RT: 2.15 min Scan# 392

Delta R.T. 0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

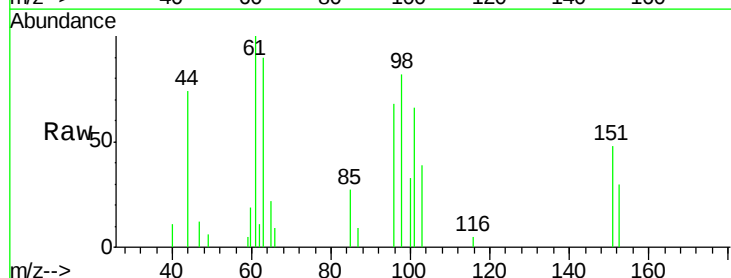
Tgt Ion: 96 Resp: 1845

Ion Ratio Lower Upper

96 100

61 147.1 111.4 207.0

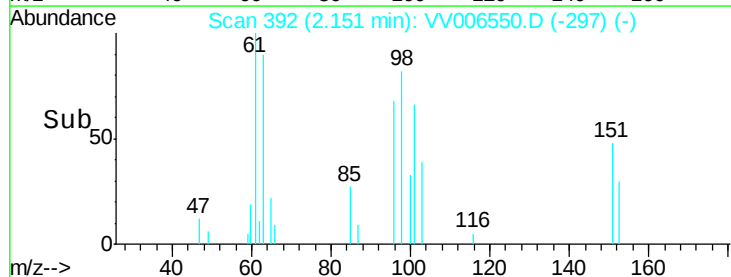
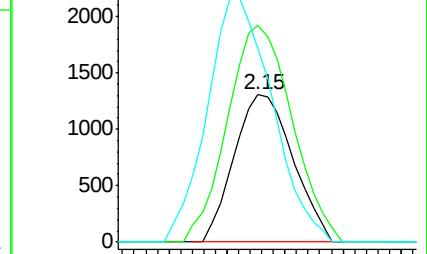
63 131.6 87.4 162.2

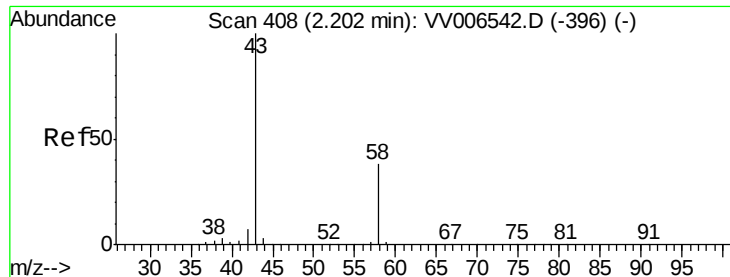


Abundance Ion 96.00 (95.70 to 96.70): VV006550.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV006550.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006550.D (-297) (-)





#13

Acetone

Concen: 94.336 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

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MSVOA_V

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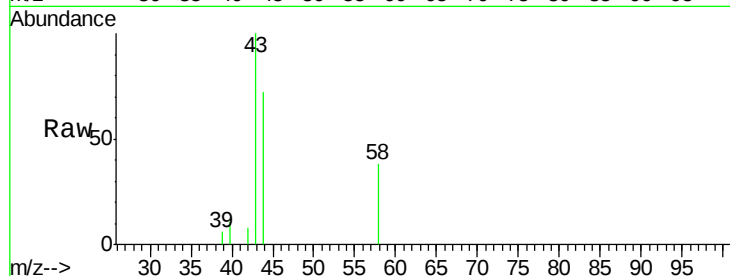
VSTD00573

Tgt Ion: 43 Resp: 3575

Ion Ratio Lower Upper

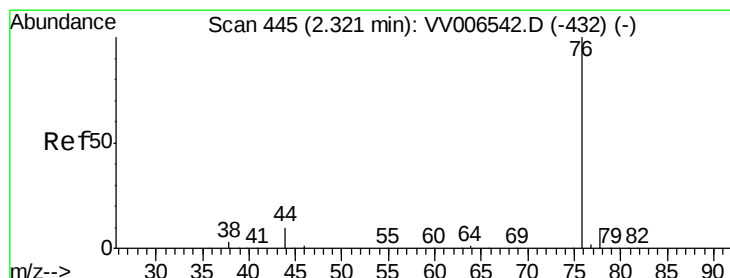
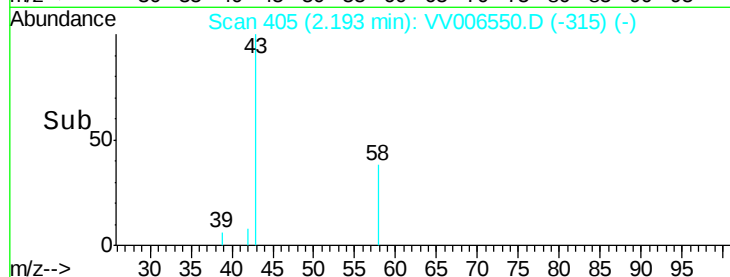
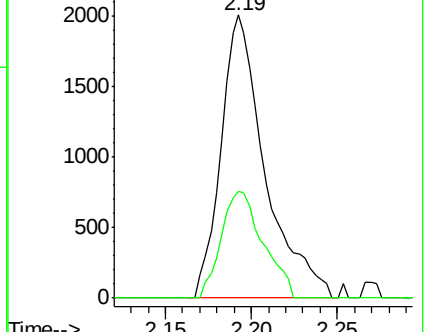
43 100

58 35.7 0.0 77.4



Abundance Ion 43.05 (42.75 to 43.75): VV006550.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VV006550.D (-315) (-)



#14

Carbon disulfide

Concen: 4.782 ug/L

RT: 2.33 min Scan# 448

Delta R.T. 0.01 min

Lab File: VV006550.D

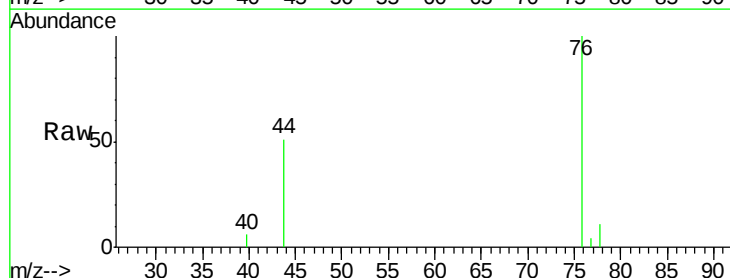
Acq: 03 Jul 2018 17:57

Tgt Ion: 76 Resp: 4098

Ion Ratio Lower Upper

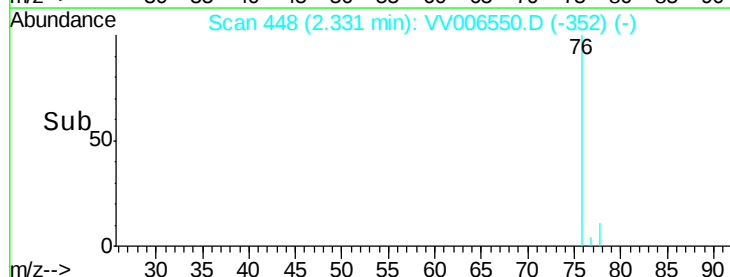
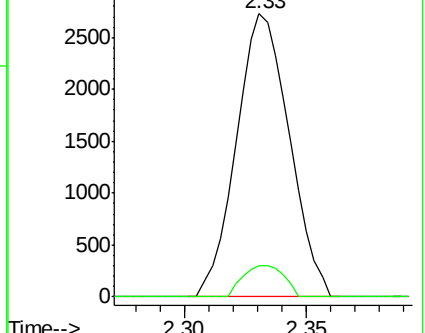
76 100

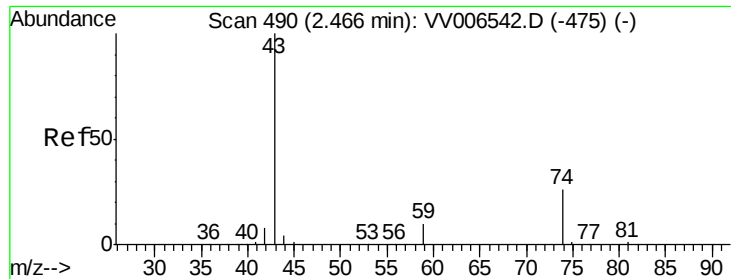
78 10.8 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV006550.D (-352) (-)

Ion 78.00 (77.70 to 78.70): VV006550.D (-352) (-)

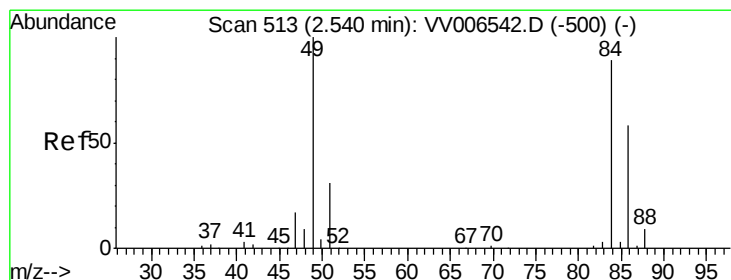
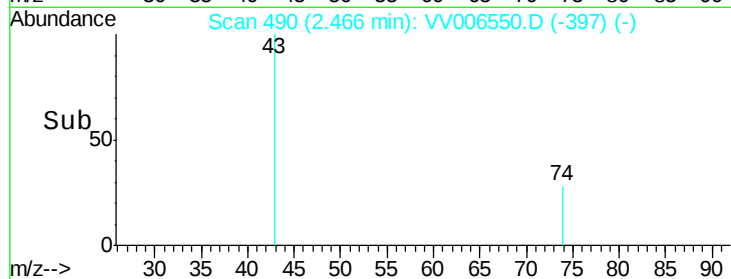
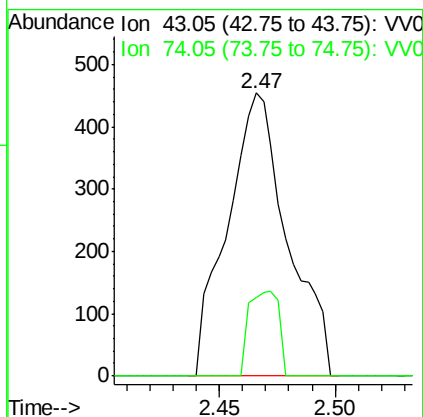
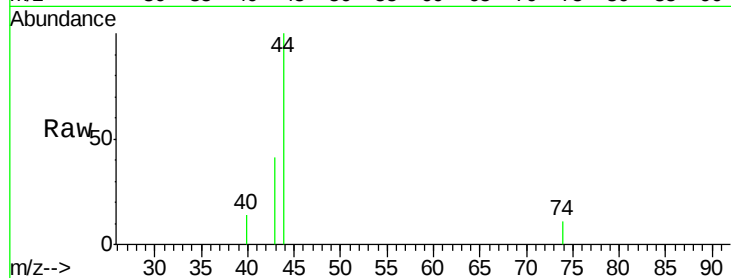




#15
Methyl Acetate
Concen: 7.331 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

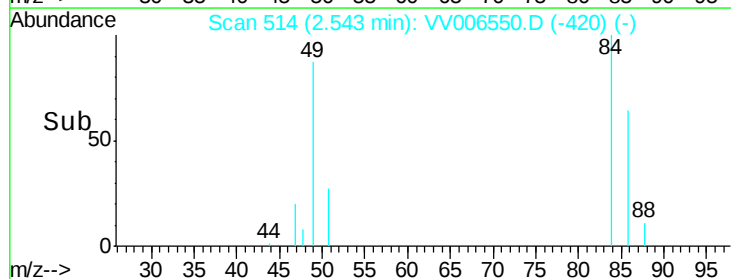
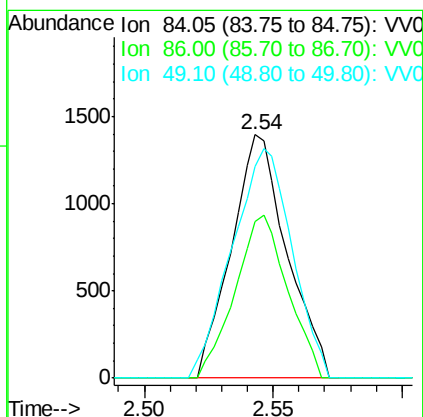
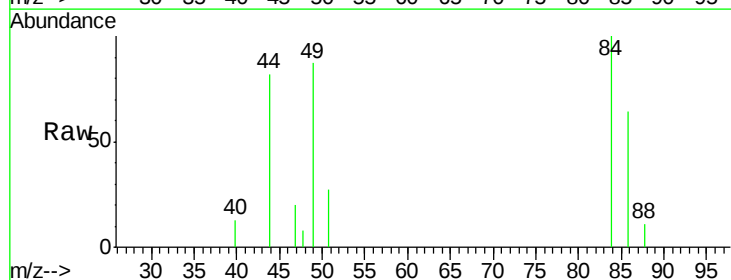
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

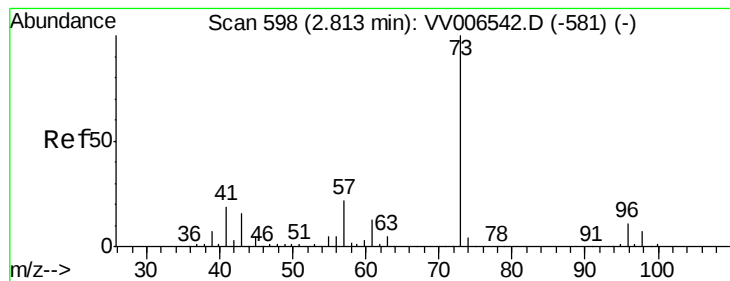
Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
74 15.0 22.2 33.4#



#16
Methylene chloride
Concen: 5.888 ug/L
RT: 2.54 min Scan# 514
Delta R.T. 0.00 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

Tgt Ion: 84 Resp: 2093
Ion Ratio Lower Upper
84 100
86 64.2 44.2 82.2
49 86.8 79.0 146.8





#17

Methyl tert-butyl Ether

Concen: 5.725 ug/L

RT: 2.81 min Scan# 596

Delta R.T. -0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleID :

VSTD00573

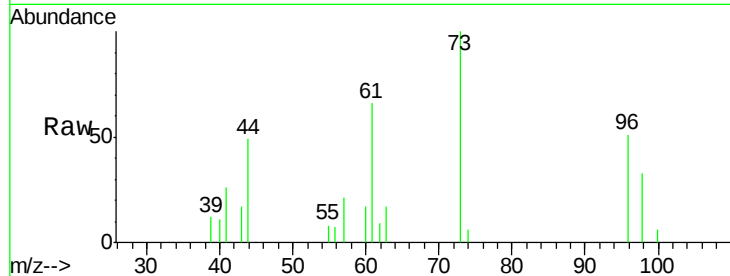
Tgt Ion: 73 Resp: 4211

Ion Ratio Lower Upper

73 100

43 17.5 12.9 19.3

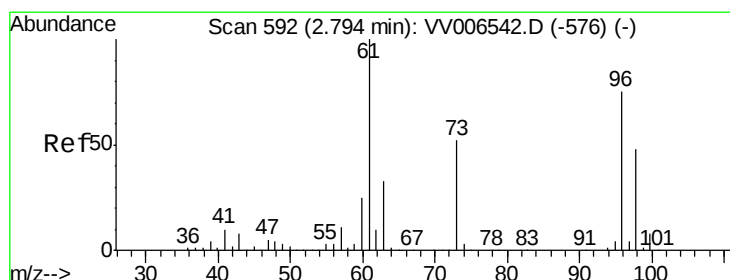
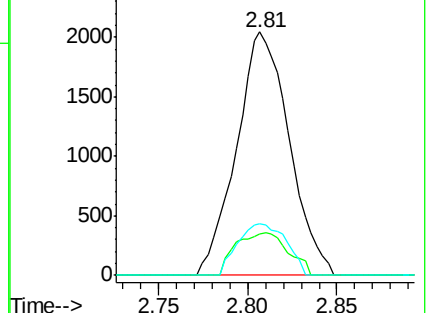
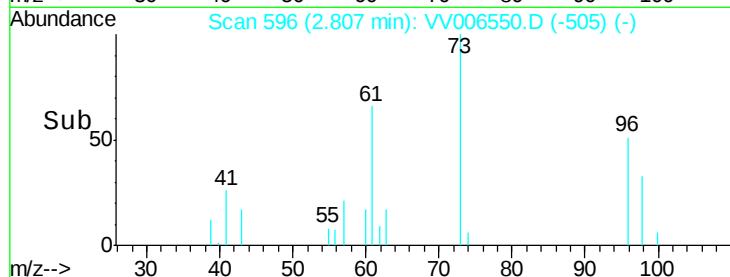
57 19.5 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VV006550.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006550.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006550.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.553 ug/L

RT: 2.80 min Scan# 595

Delta R.T. 0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

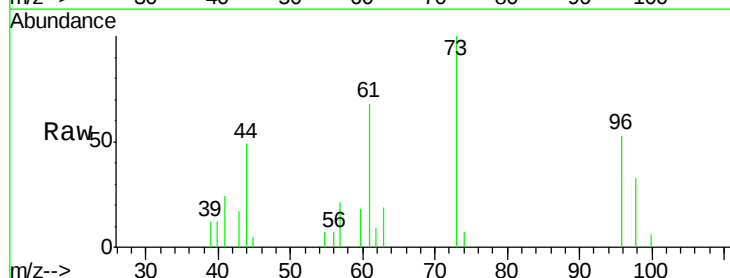
Tgt Ion: 96 Resp: 1845

Ion Ratio Lower Upper

96 100

61 128.0 94.4 175.2

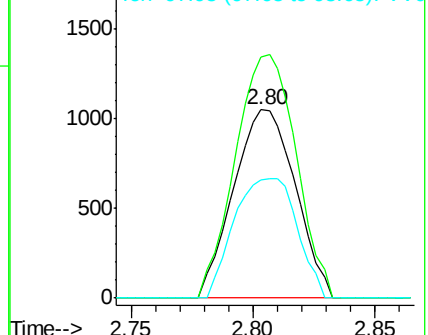
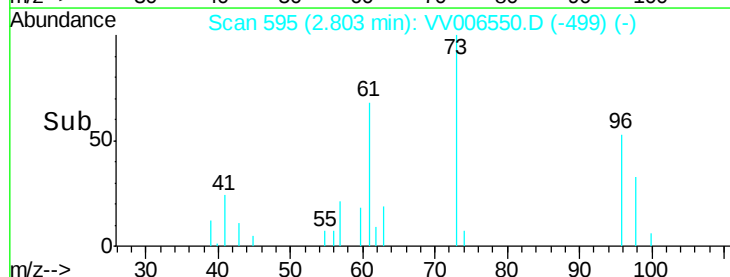
98 62.5 44.3 82.3

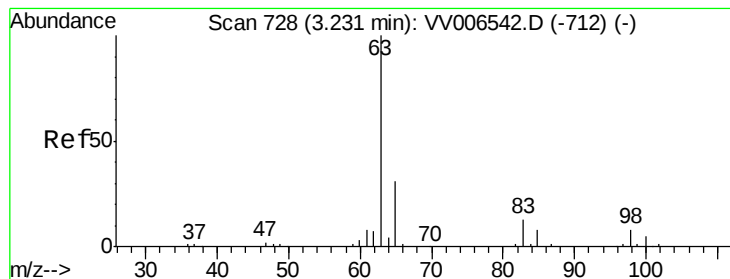


Abundance Ion 96.00 (95.70 to 96.70): VV006550.D (-499) (-)

Ion 61.05 (60.75 to 61.75): VV006550.D (-499) (-)

Ion 97.95 (97.65 to 98.65): VV006550.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 5.778 ug/L

RT: 3.24 min Scan# 731

Delta R.T. 0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

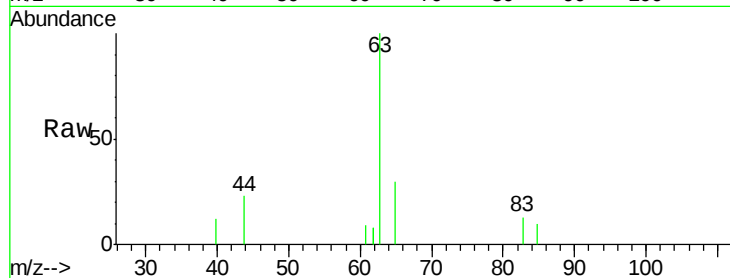
Tgt Ion: 63 Resp: 3419

Ion Ratio Lower Upper

63 100

65 30.5 22.2 41.2

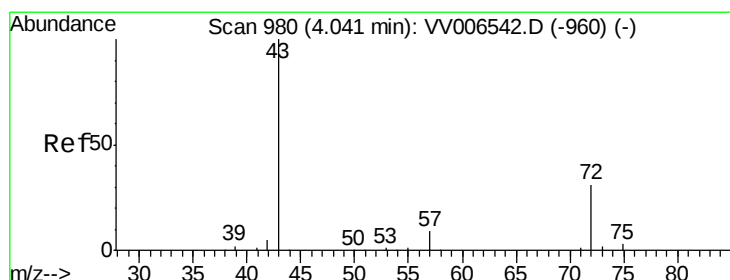
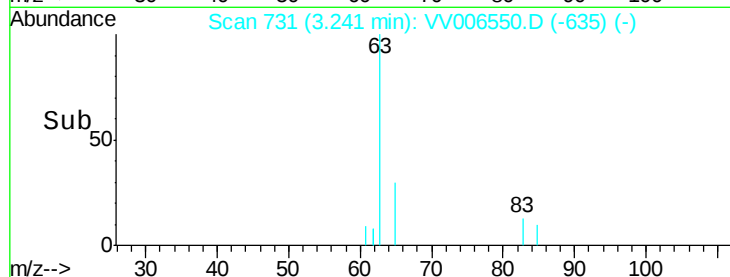
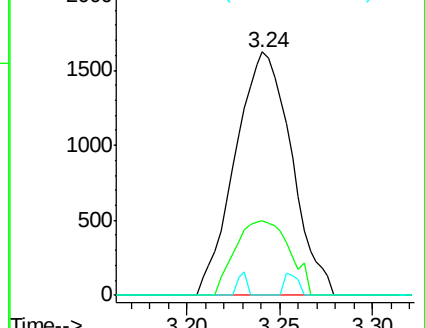
83 0.0 9.2 17.2#



Abundance Ion 63.10 (62.80 to 63.80): VV006550.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV006550.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV006550.D (-635) (-)



#21

2-Butanone

Concen: 90.339 ug/L

RT: 4.02 min Scan# 972

Delta R.T. -0.03 min

Lab File: VV006550.D

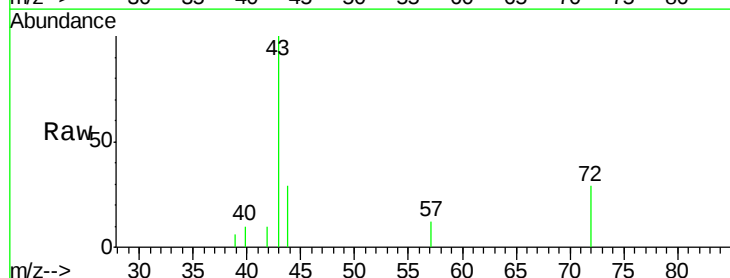
Acq: 03 Jul 2018 17:57

Tgt Ion: 43 Resp: 6187

Ion Ratio Lower Upper

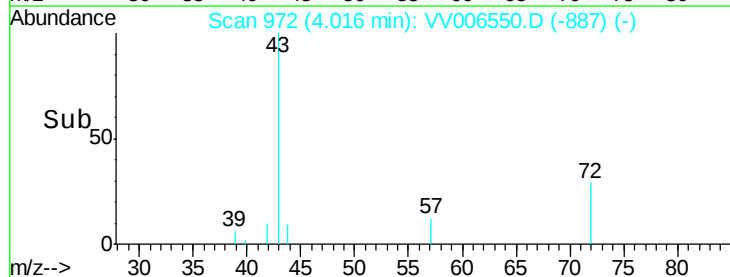
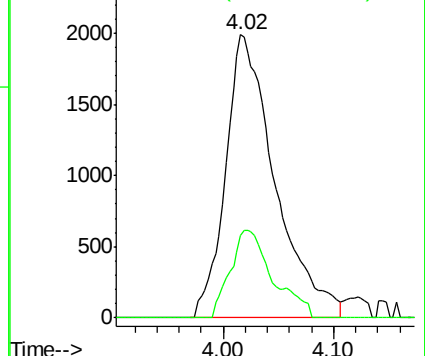
43 100

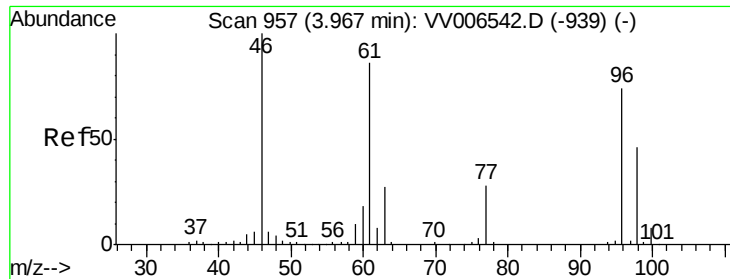
72 26.4 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV006550.D (-887) (-)

Ion 72.10 (71.80 to 72.80): VV006550.D (-887) (-)



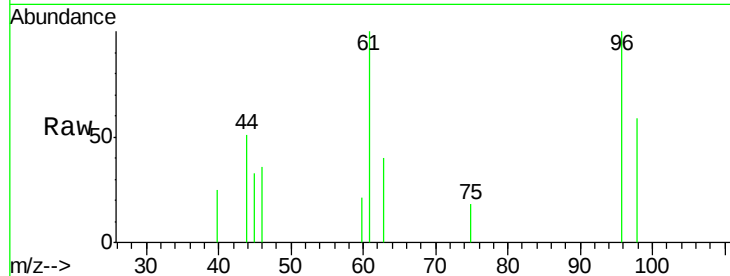


#22

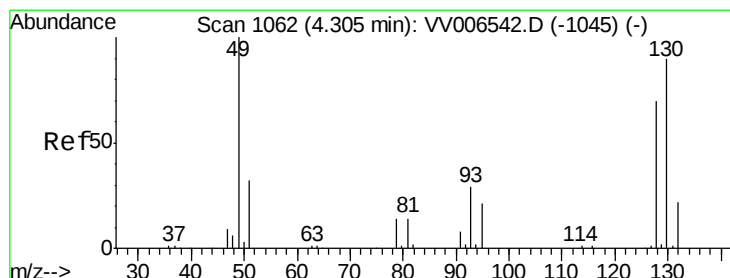
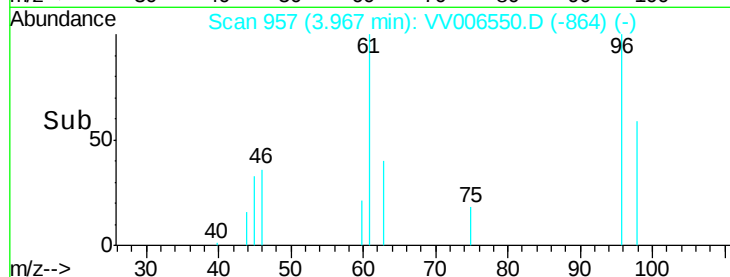
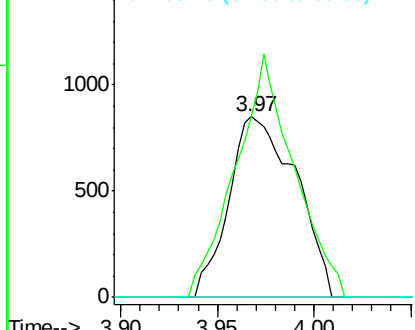
cis-1,2-Dichloroethene
Concen: 5.614 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

Instrument :
MSVOA_V
ClientSampled :
VSTD00573

Tgt Ion: 96 Resp: 2051
Ion Ratio Lower Upper
96 100
61 100.1 81.8 151.8
68 0.0 0.0 0.0



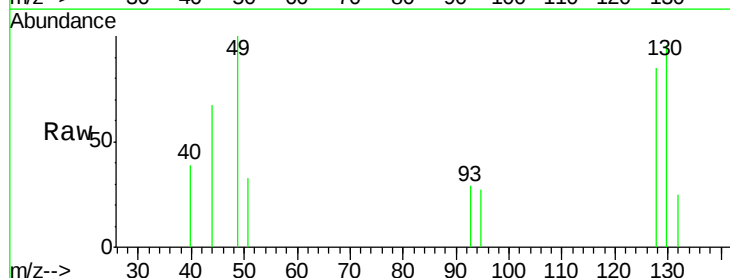
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



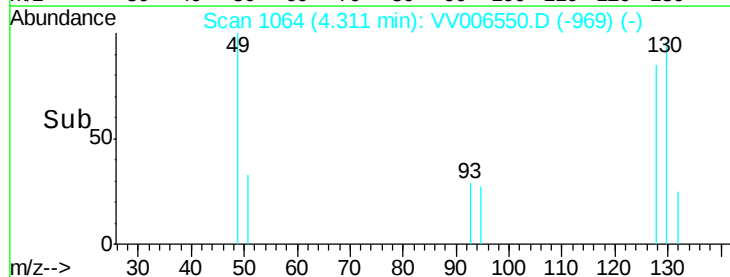
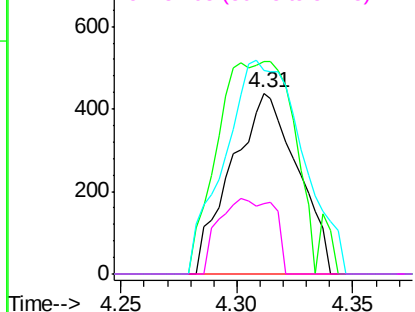
#23

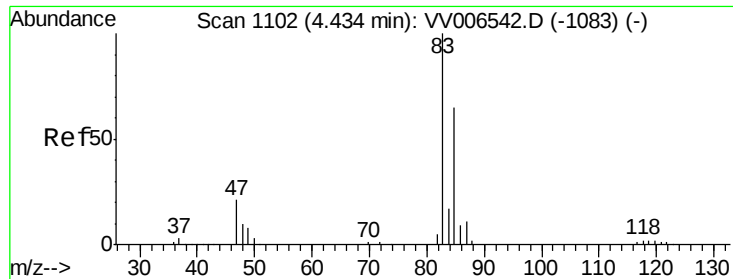
Bromochloromethane
Concen: 5.813 ug/L
RT: 4.31 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

Tgt Ion: 128 Resp: 863
Ion Ratio Lower Upper
128 100
49 117.3 101.2 188.0
130 112.8 93.0 172.6
51 39.0 37.0 55.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

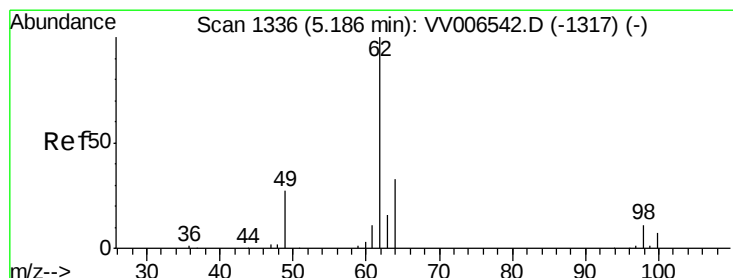
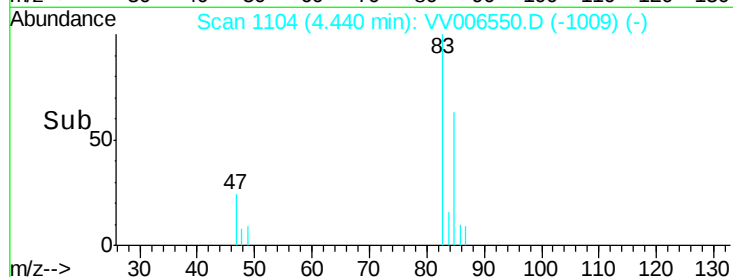
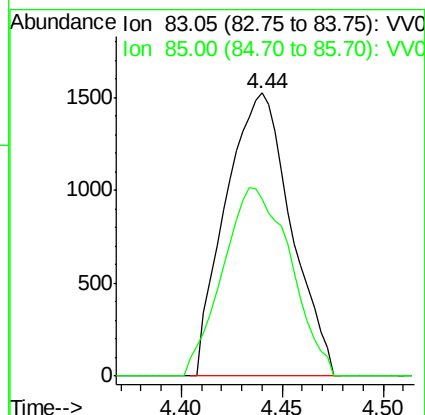
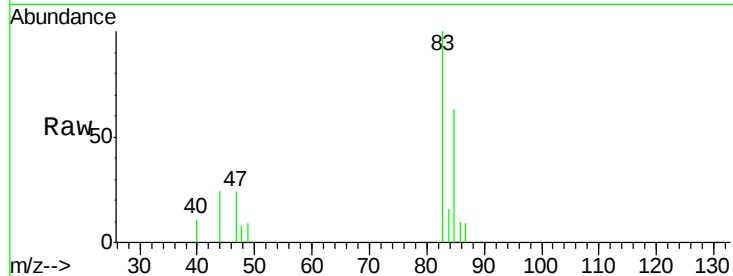




#25
Chloroform
Concen: 5.746 ug/L
RT: 4.44 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

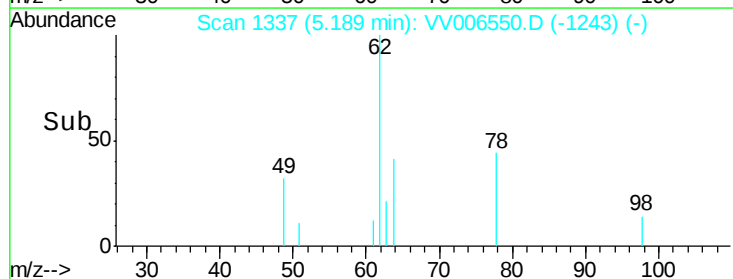
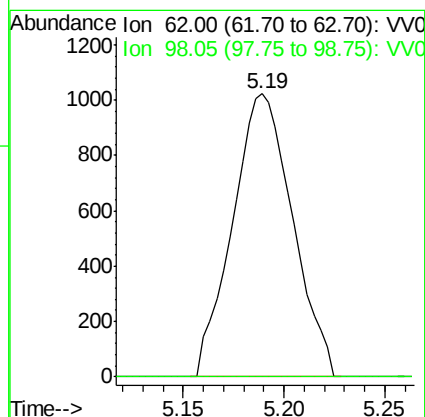
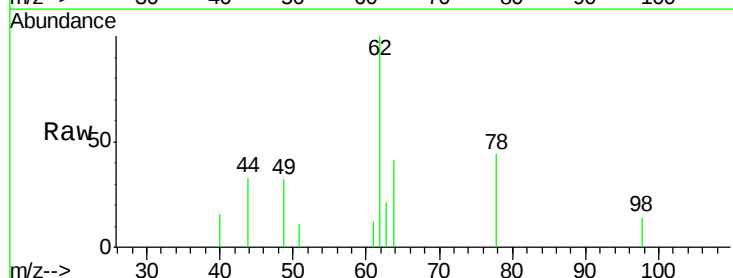
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

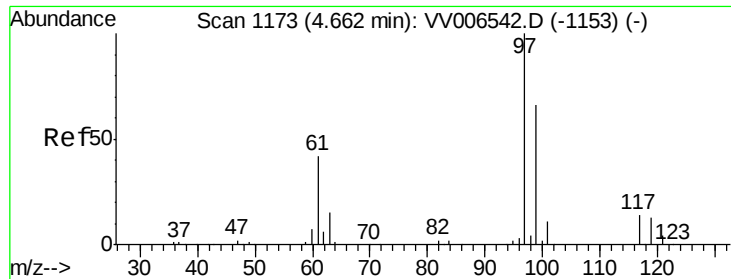
Tgt Ion: 83 Resp: 3427
Ion Ratio Lower Upper
83 100
85 62.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 6.335 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

Tgt Ion: 62 Resp: 2123
Ion Ratio Lower Upper
62 100
98 0.0 8.8 13.2#

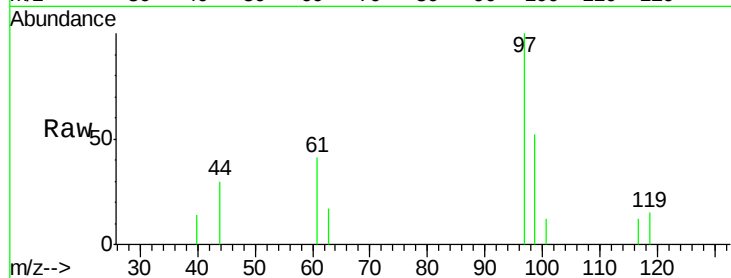




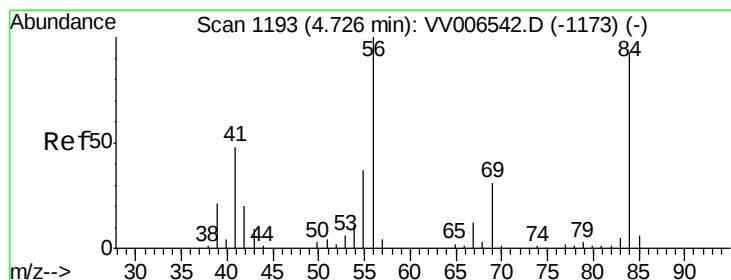
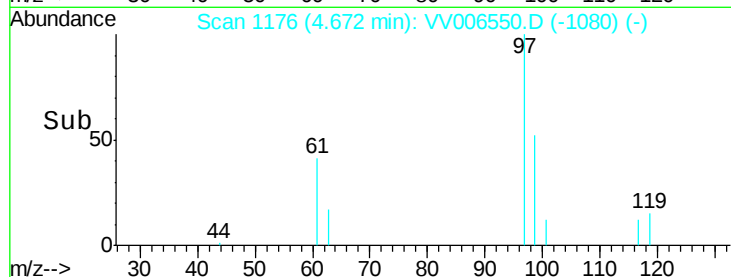
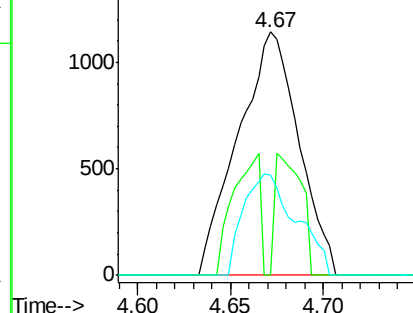
#29
 1,1,1-Trichloroethane
 Concen: 6.795 ug/L
 RT: 4.67 min Scan# 1176
 Delta R.T. 0.01 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00573

Tgt Ion: 97 Resp: 2603
 Ion Ratio Lower Upper
 97 100
 99 21.8 51.0 76.4#
 61 36.1 33.8 50.6

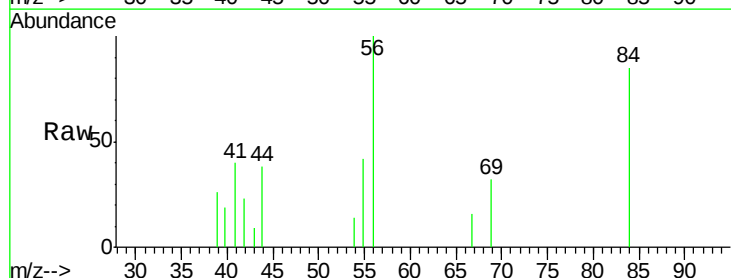


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

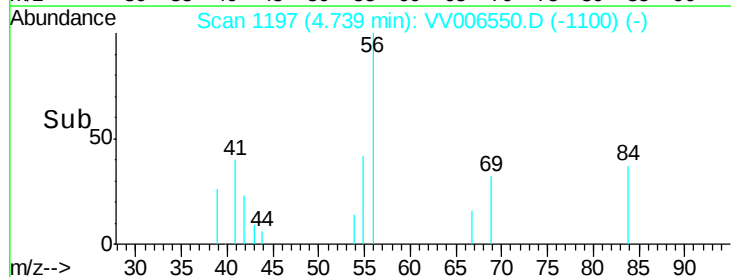
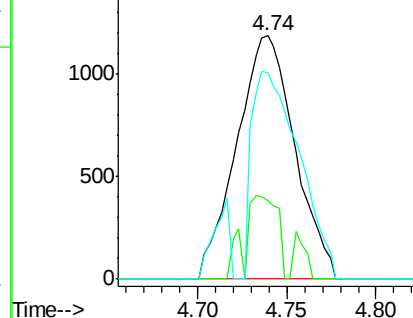


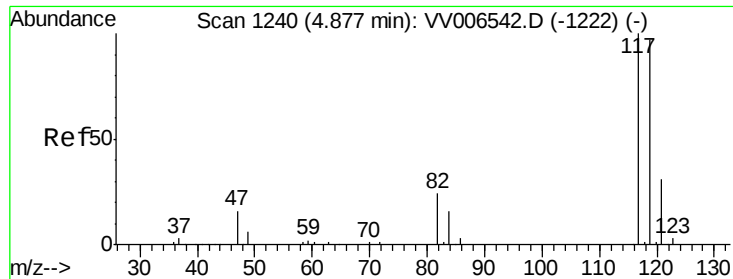
#30
 Cyclohexane
 Concen: 7.007 ug/L
 RT: 4.74 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion: 56 Resp: 2683
 Ion Ratio Lower Upper
 56 100
 69 19.4 25.6 38.4#
 84 70.0 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: 0.688 ug/L

RT: 4.67 min Scan# 1177

Delta R.T. -0.20 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

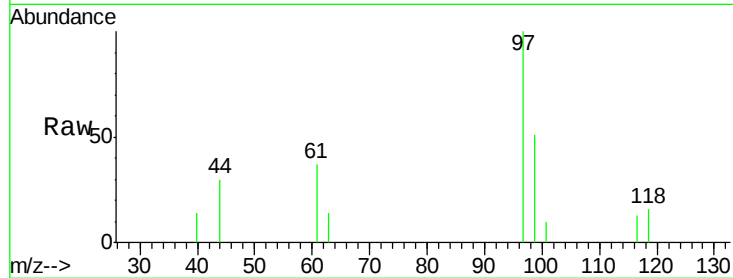
VSTD00573

Tgt Ion:117 Resp: 221

Ion Ratio Lower Upper

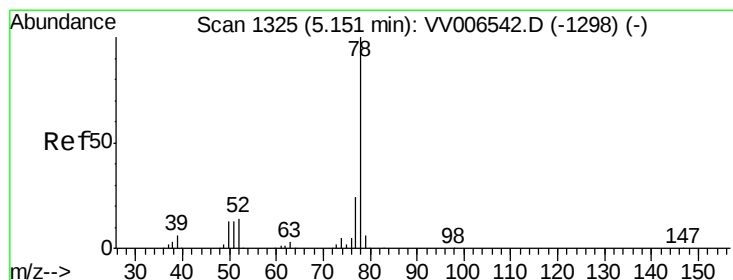
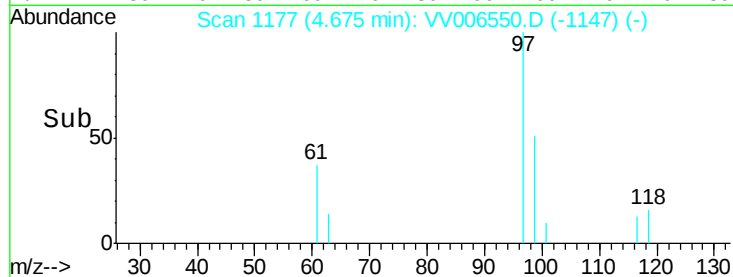
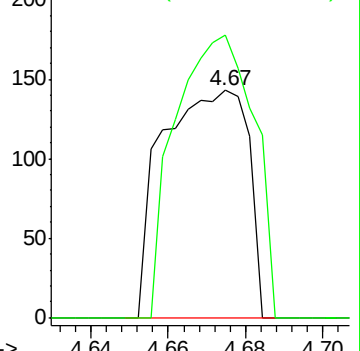
117 100

119 113.1 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: 6.886 ug/L

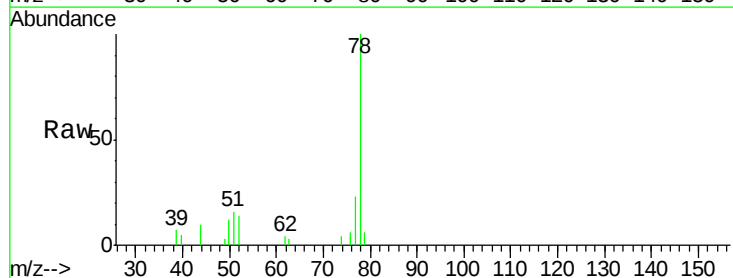
RT: 5.16 min Scan# 1328

Delta R.T. 0.01 min

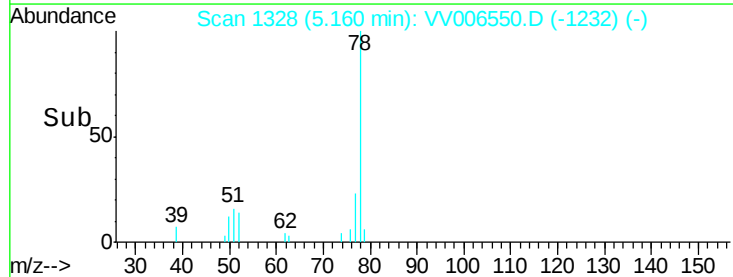
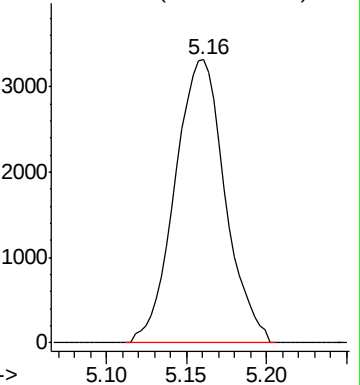
Lab File: VV006550.D

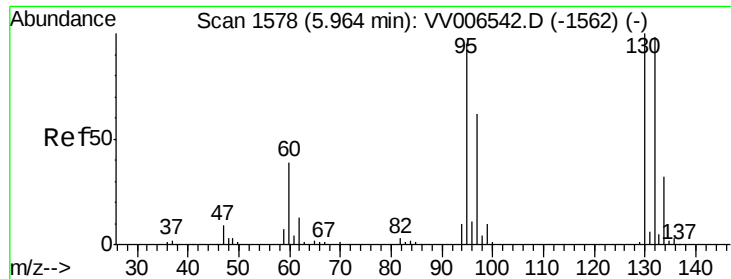
Acq: 03 Jul 2018 17:57

Tgt Ion: 78 Resp: 7144



Abundance Ion 78.10 (77.80 to 78.80): VV0

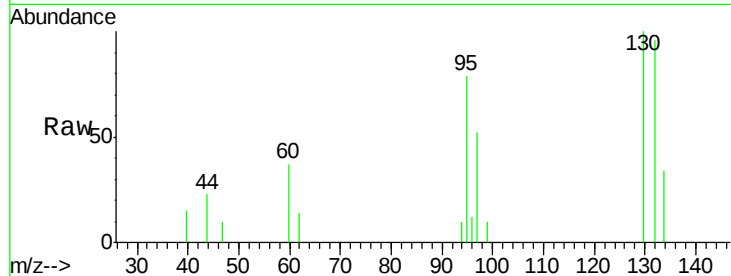




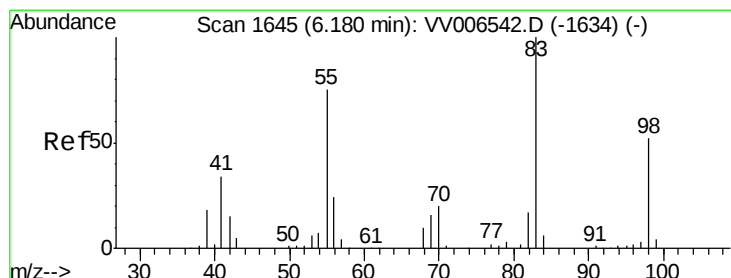
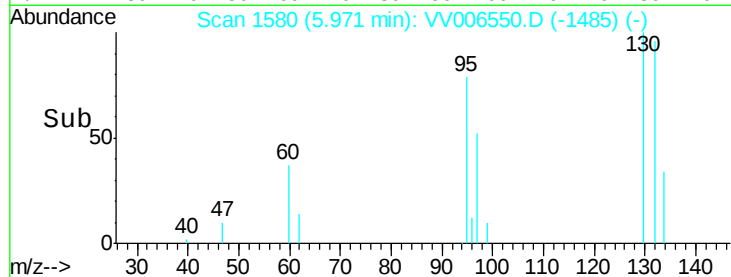
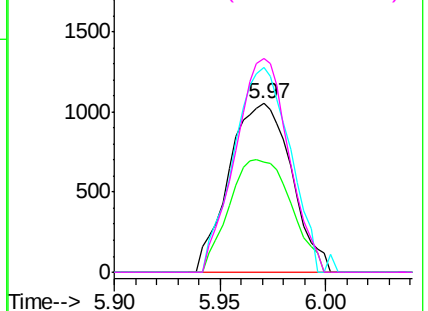
#34
 Trichloroethene
 Concen: 7.301 ug/L
 RT: 5.97 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion: 95 Resp: 2167
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.6 82.8
 132 121.1 70.1 130.1
 130 126.6 73.3 136.1

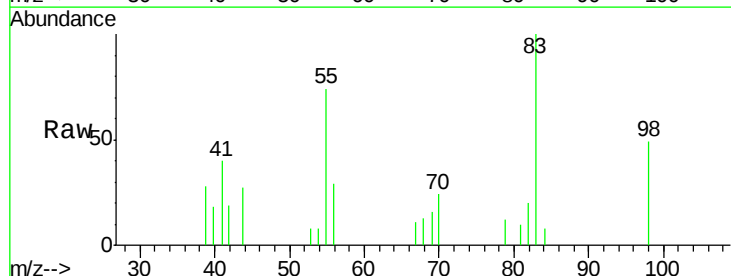


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

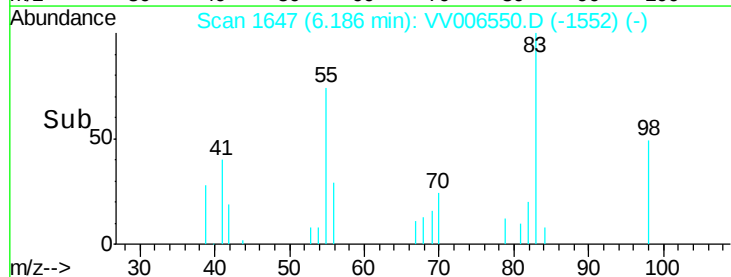
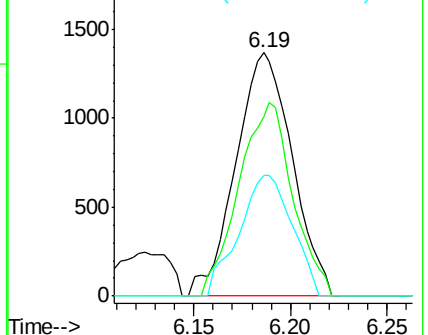


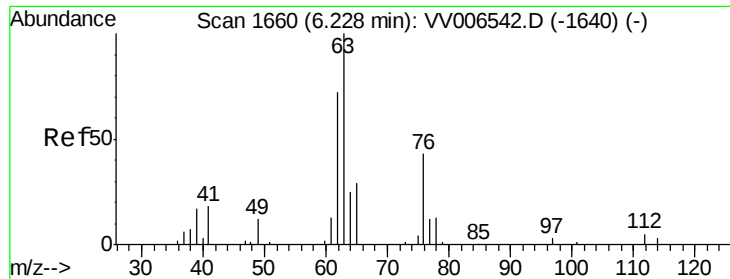
#35
 Methylcyclohexane
 Concen: 6.426 ug/L
 RT: 6.19 min Scan# 1647
 Delta R.T. 0.01 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion: 83 Resp: 2773
 Ion Ratio Lower Upper
 83 100
 55 76.1 57.5 86.3
 98 47.0 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

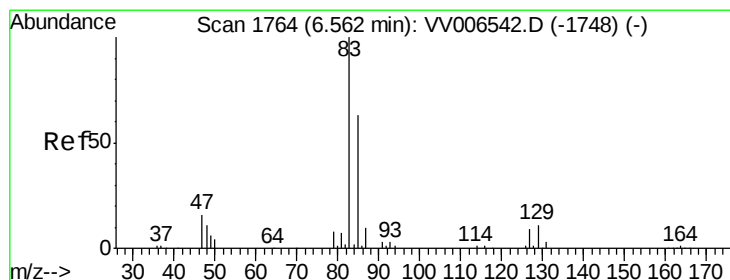
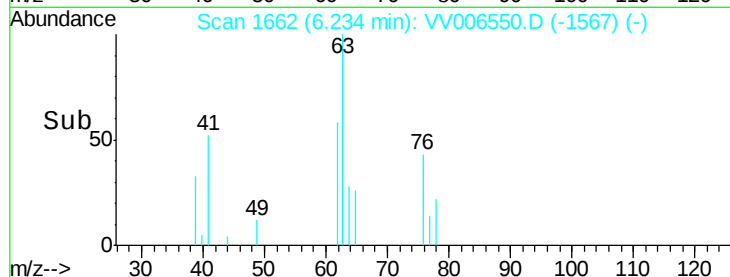
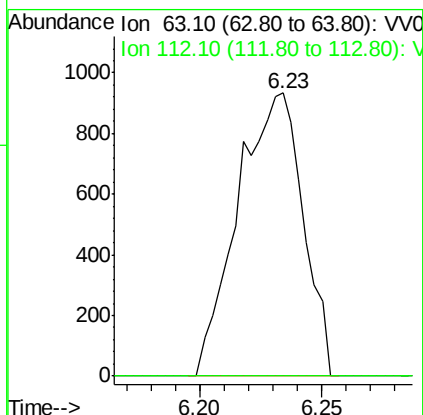
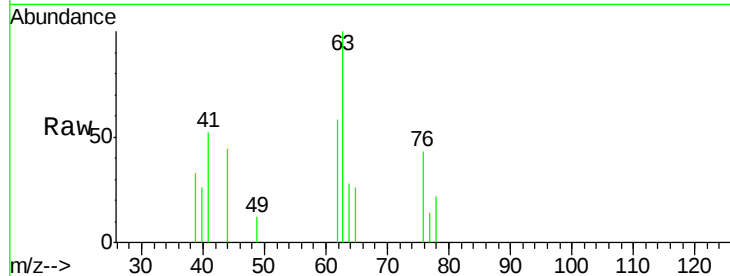




#37
 1,2-Dichloropropane
 Concen: 6.835 ug/L
 RT: 6.23 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

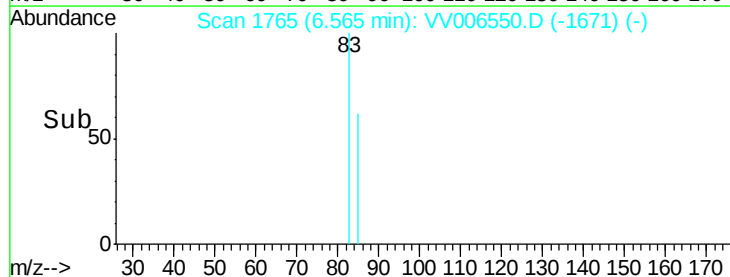
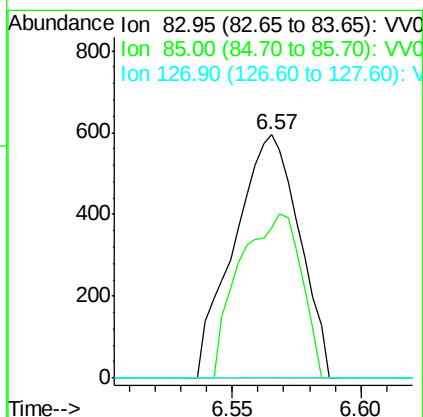
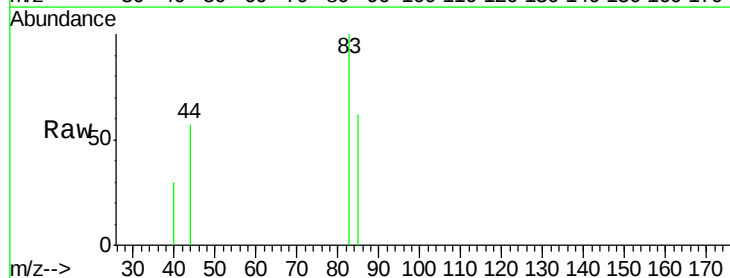
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

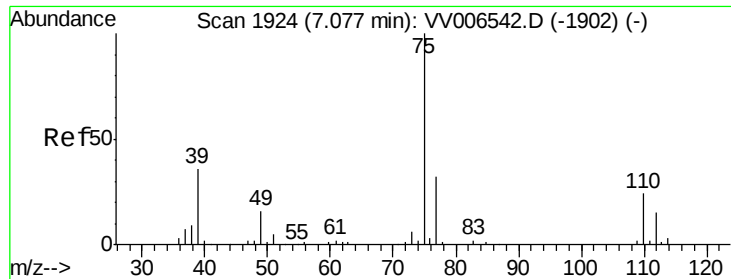
Tgt Ion: 63 Resp: 1733
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.0 6.0#



#38
 Bromodichloromethane
 Concen: 3.577 ug/L
 RT: 6.57 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion: 83 Resp: 1044
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.1 83.9
 127 0.0 6.6 9.8#

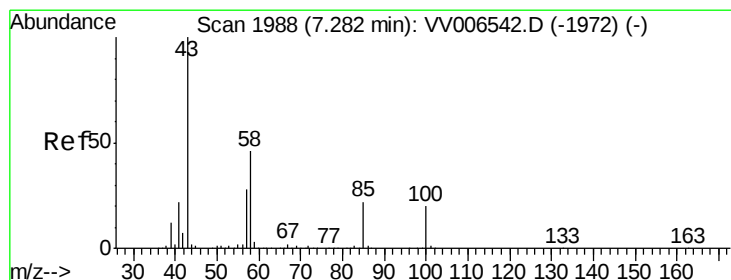
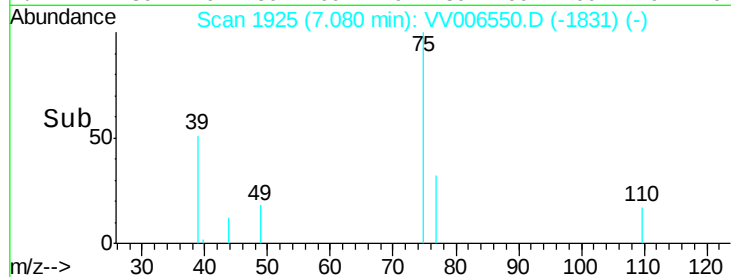
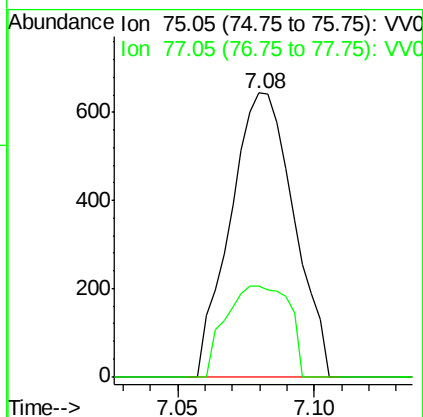
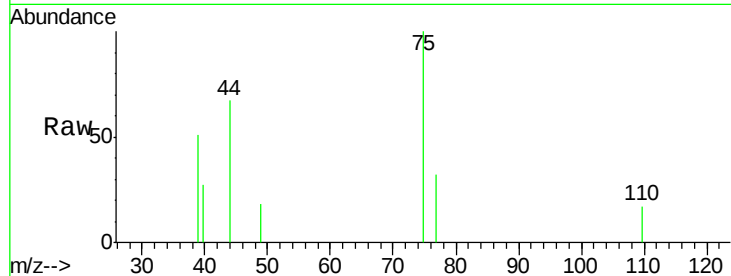




#39
 cis-1,3-Dichloropropene
 Concen: 2.945 ug/L
 RT: 7.08 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

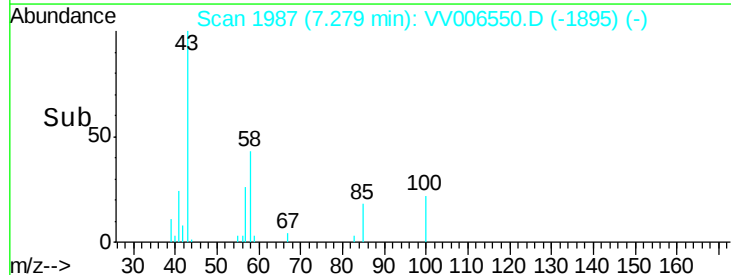
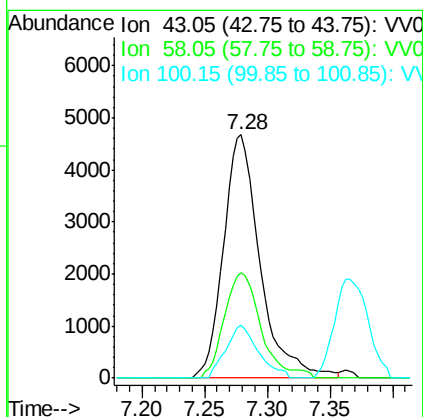
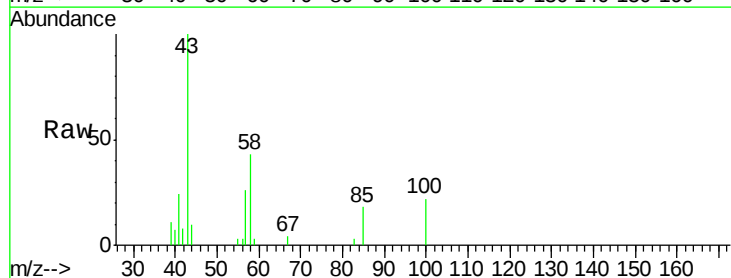
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

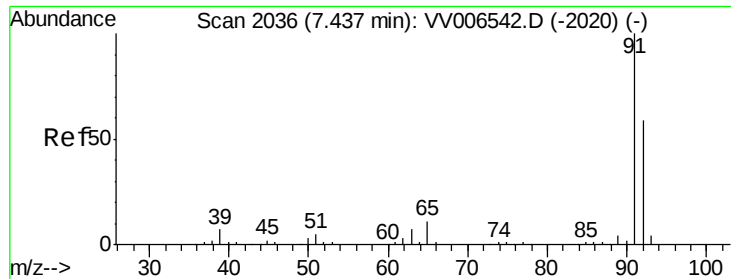
Tgt Ion: 75 Resp: 1039
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 76.900 ug/L
 RT: 7.28 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion: 43 Resp: 9487
 Ion Ratio Lower Upper
 43 100
 58 43.1 35.4 53.2
 100 19.3 15.5 23.3





#42

Toluene

Concen: 5.703 ug/L

RT: 7.44 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

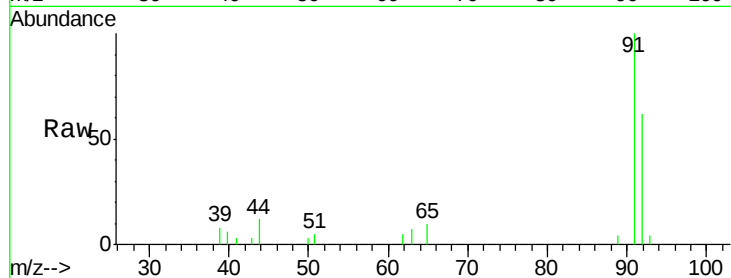
VSTD00573

Tgt Ion: 91 Resp: 6266

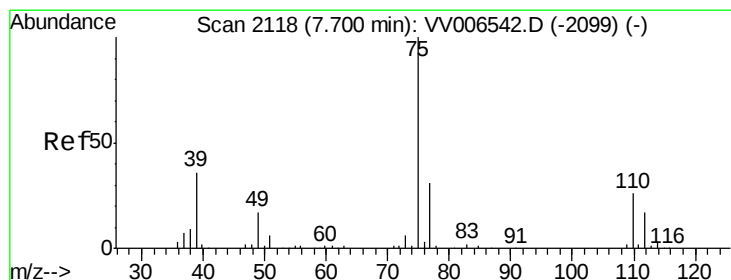
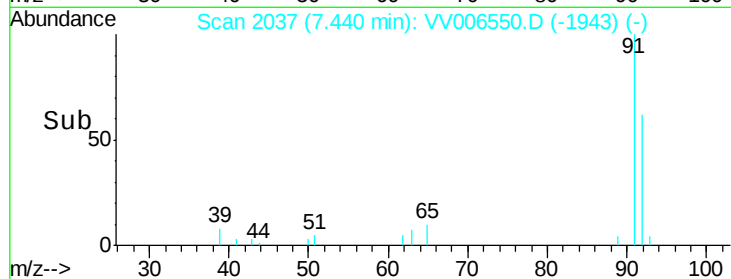
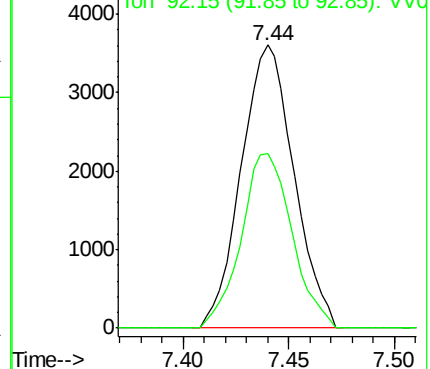
Ion Ratio Lower Upper

91 100

92 61.9 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV006550.D (-2037) (-)



#44

trans-1,3-Dichloropropene

Concen: 2.053 ug/L

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006550.D

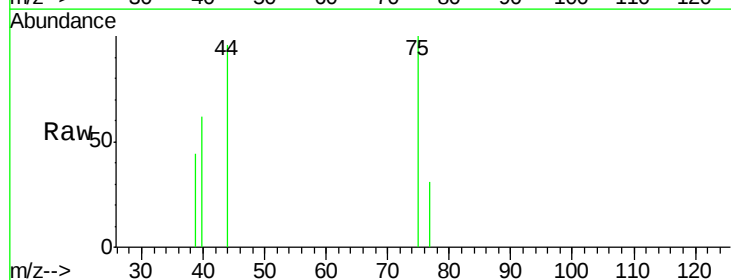
Acq: 03 Jul 2018 17:57

Tgt Ion: 75 Resp: 568

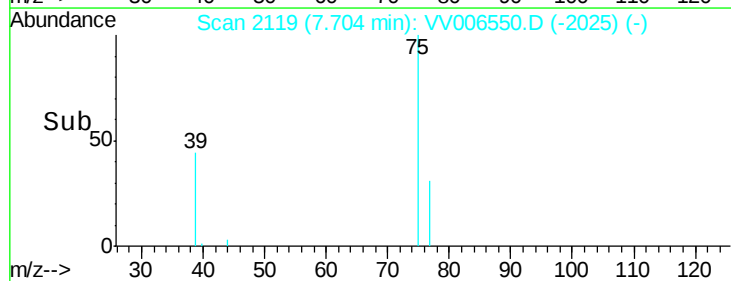
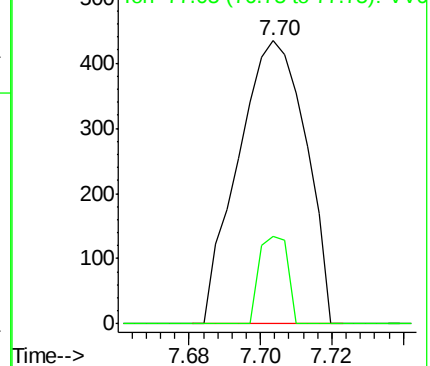
Ion Ratio Lower Upper

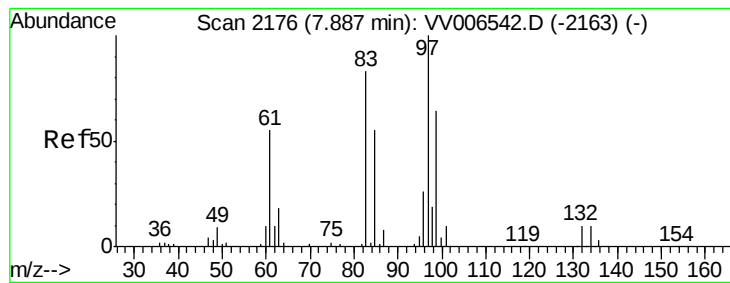
75 100

77 30.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV006550.D (-2119) (-)





#45

1,1,2-Trichloroethane

Concen: 6.099 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

Tgt Ion: 97 Resp: 1068

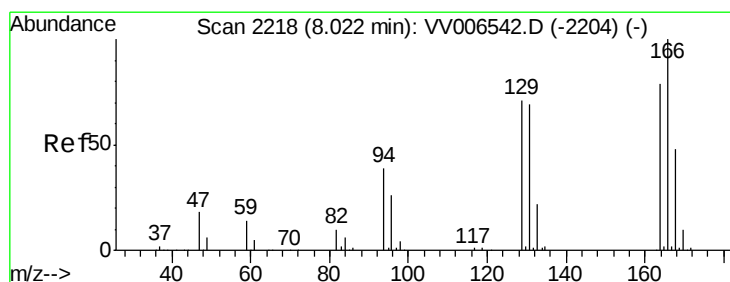
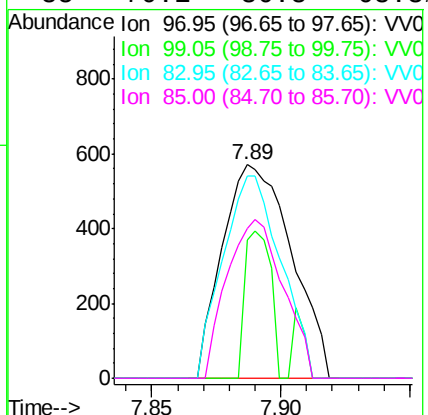
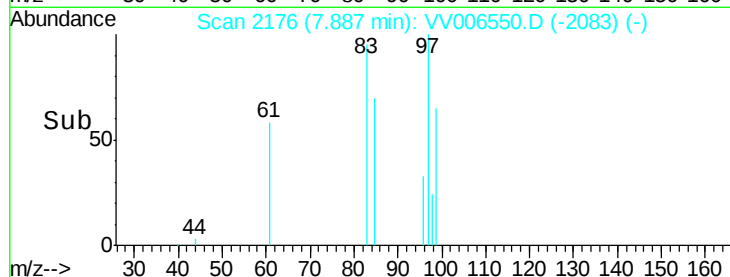
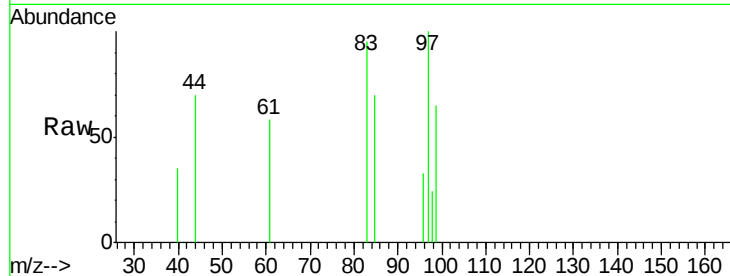
Ion Ratio Lower Upper

97 100

99 64.8 44.2 82.2

83 94.9 59.0 109.6

85 70.1 36.8 68.3#



#47

Tetrachloroethene

Concen: 6.663 ug/L

RT: 8.03 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Tgt Ion: 164 Resp: 1494

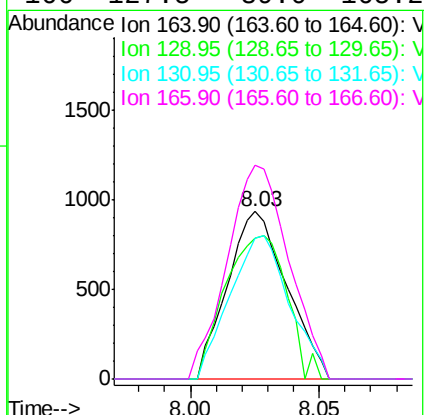
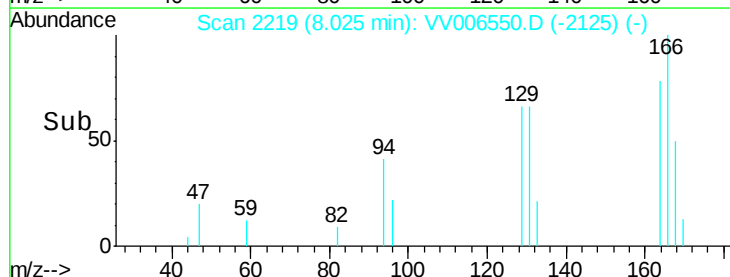
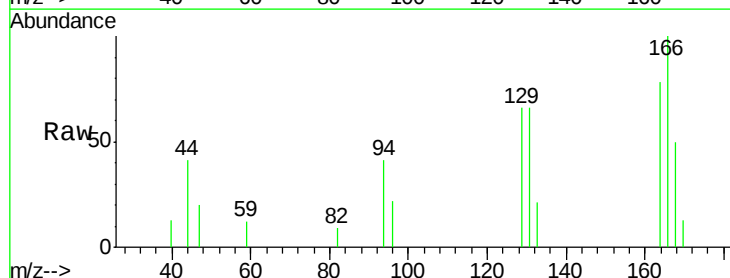
Ion Ratio Lower Upper

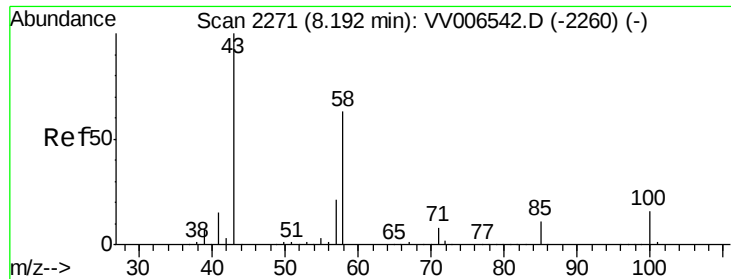
164 100

129 83.7 64.0 118.8

131 84.3 61.7 114.5

166 127.5 89.0 165.2

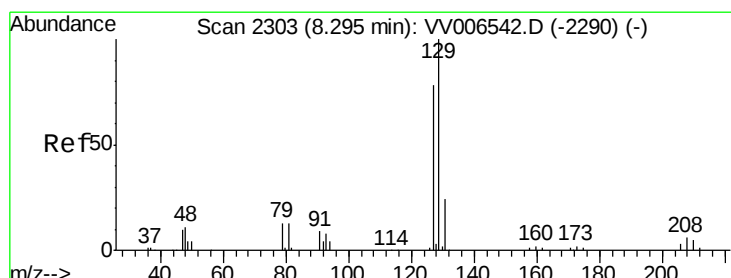
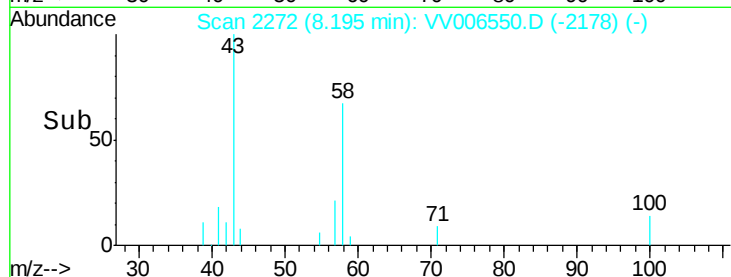
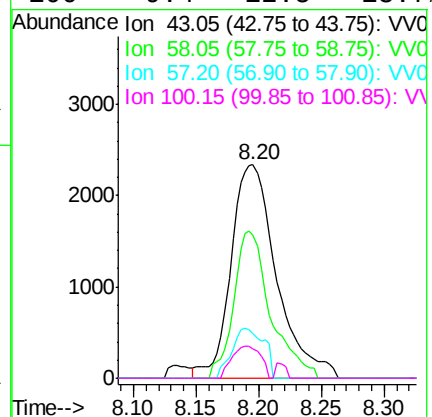
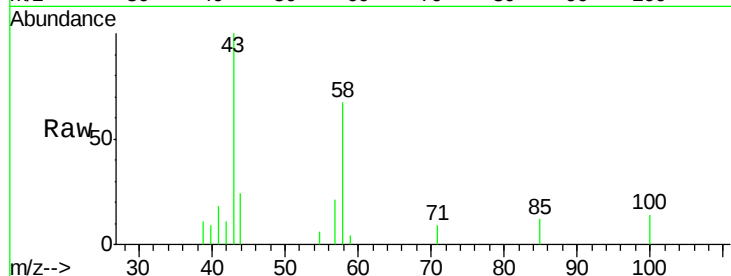




#48
2-Hexanone
Concen: 66.645 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

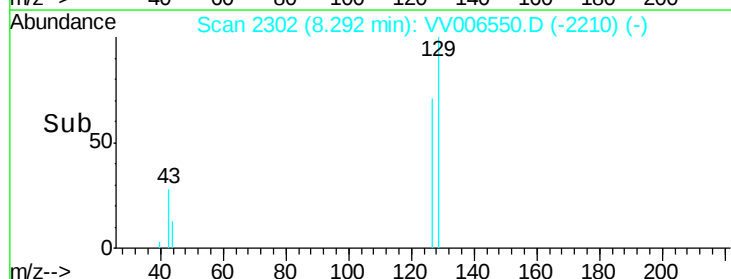
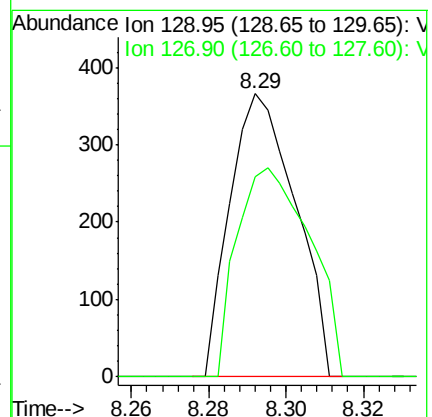
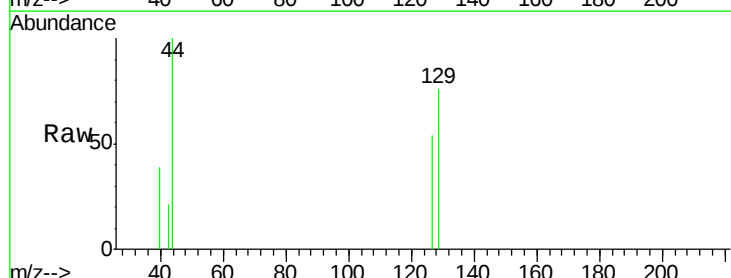
Instrument :
MSVOA_V
ClientSampleId :
VSTD00573

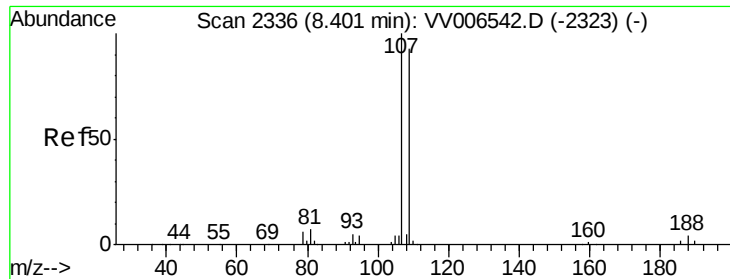
Tgt Ion: 43 Resp: 5915
Ion Ratio Lower Upper
43 100
58 55.6 49.9 74.9
57 16.5 17.3 25.9#
100 9.4 12.5 18.7#



#49
Dibromochloromethane
Concen: 2.304 ug/L
RT: 8.29 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VV006550.D
Acq: 03 Jul 2018 17:57

Tgt Ion: 129 Resp: 430
Ion Ratio Lower Upper
129 100
127 70.8 54.0 100.2

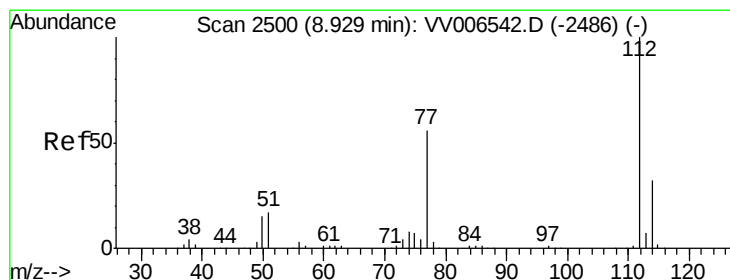
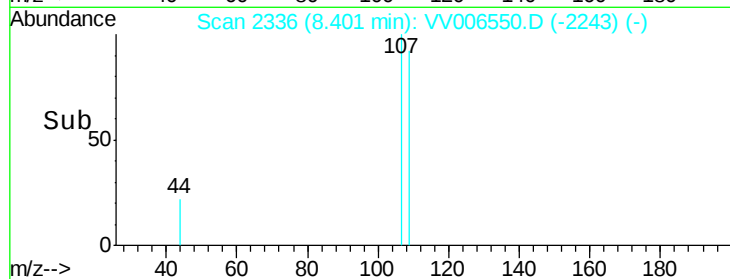
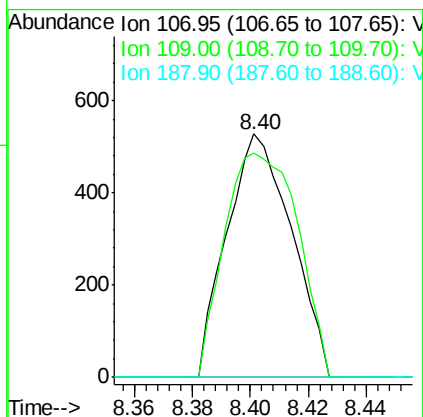
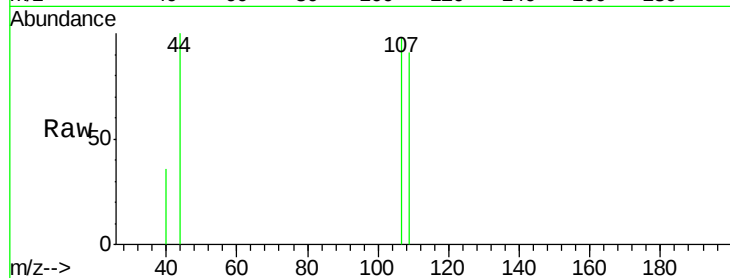




#50
 1,2-Dibromoethane
 Concen: 5.177 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

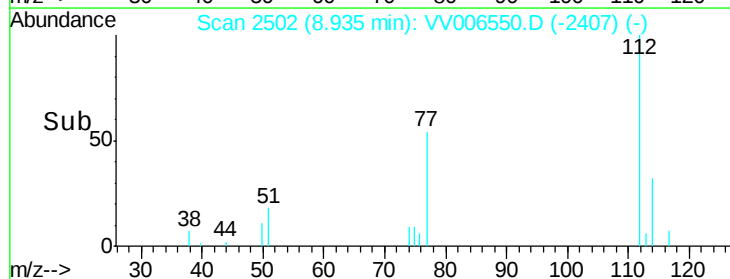
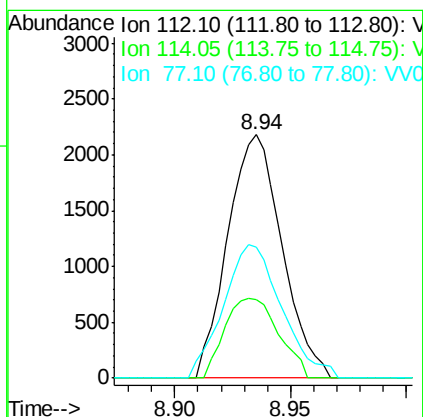
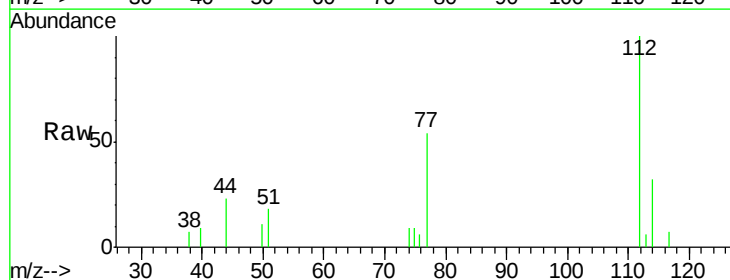
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

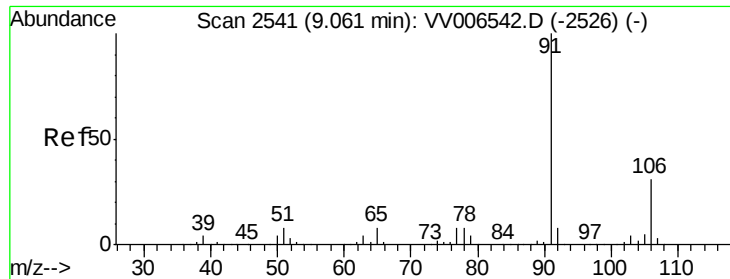
Tgt Ion:107 Resp: 815
 Ion Ratio Lower Upper
 107 100
 109 92.2 64.3 119.5
 188 0.0 3.0 4.6#



#51
 Chlorobenzene
 Concen: 4.875 ug/L
 RT: 8.94 min Scan# 2502
 Delta R.T. 0.01 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion:112 Resp: 3544
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.8 42.4
 77 53.7 44.6 66.8





#52

Ethylbenzene

Concen: 4.882 ug/L

RT: 9.06 min Scan# 2542

Delta R.T. 0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

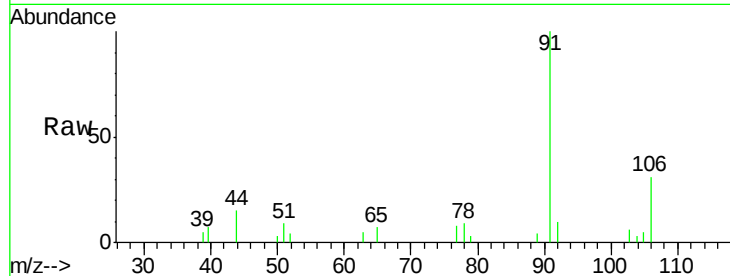
VSTD00573

Tgt Ion: 91 Resp: 5807

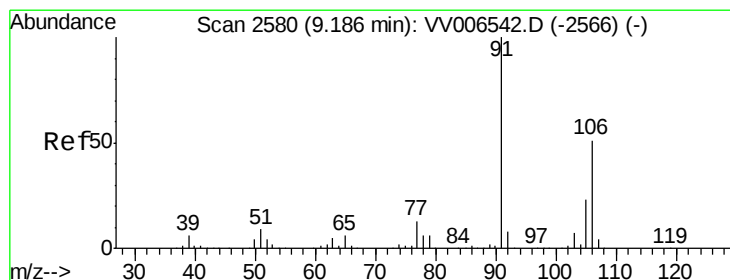
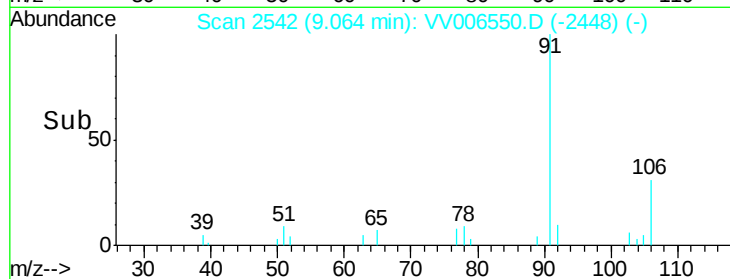
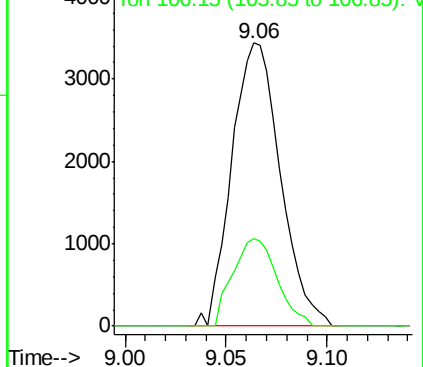
Ion Ratio Lower Upper

91 100

106 31.1 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV006542.D (-2526) (-)



#53

m,p-xylene

Concen: 4.044 ug/L

RT: 9.19 min Scan# 2582

Delta R.T. 0.01 min

Lab File: VV006550.D

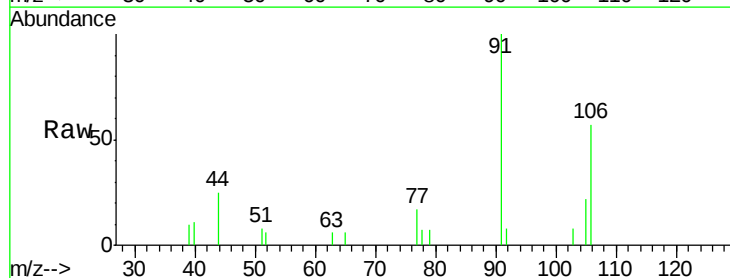
Acq: 03 Jul 2018 17:57

Tgt Ion: 106 Resp: 1855

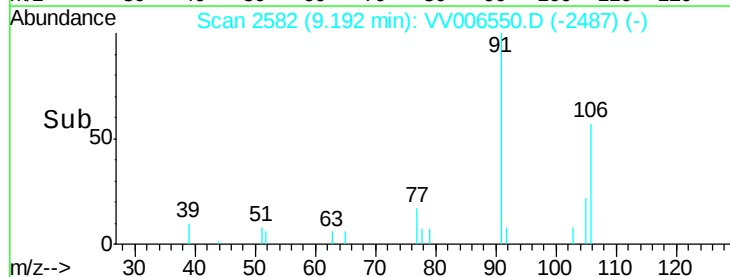
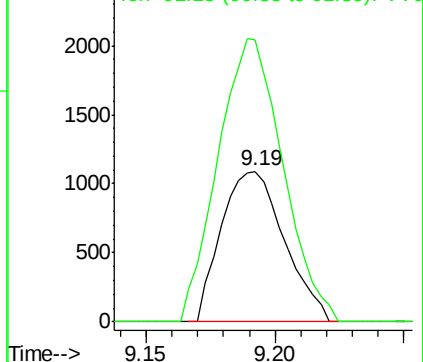
Ion Ratio Lower Upper

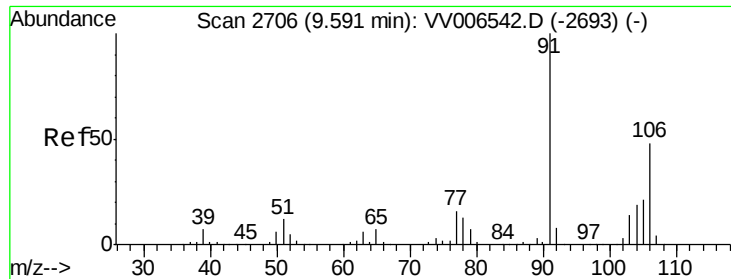
106 100

91 187.2 138.8 257.8



Abundance Ion 106.15 (105.85 to 106.85): VV006542.D (-2566) (-)





#54

o-xylene

Concen: 4.258 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

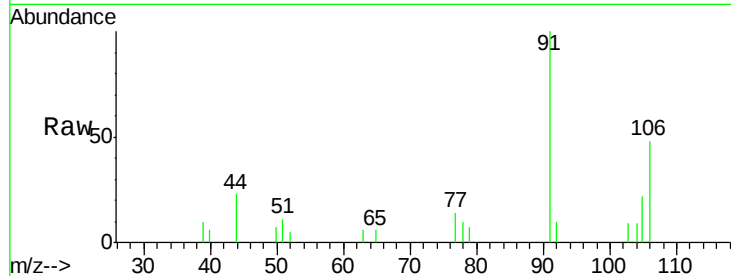
VSTD00573

Tgt Ion:106 Resp: 1916

Ion Ratio Lower Upper

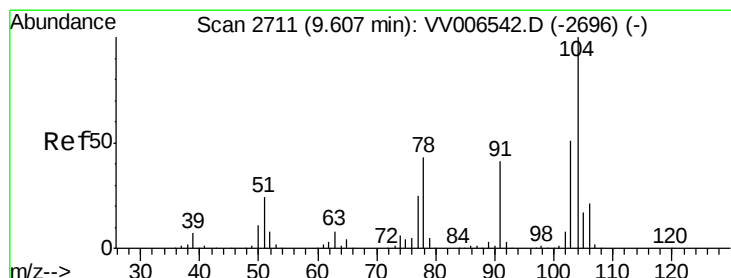
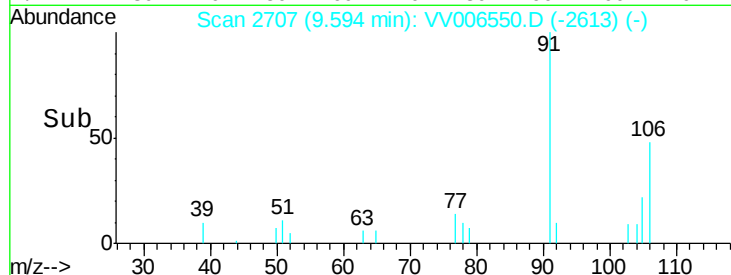
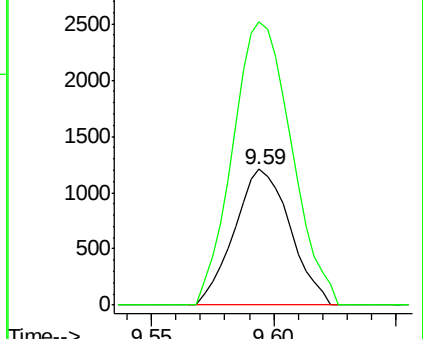
106 100

91 208.6 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 2.145 ug/L

RT: 9.61 min Scan# 2713

Delta R.T. 0.01 min

Lab File: VV006550.D

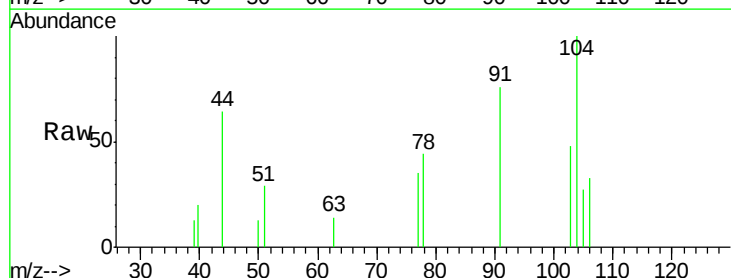
Acq: 03 Jul 2018 17:57

Tgt Ion:104 Resp: 1579

Ion Ratio Lower Upper

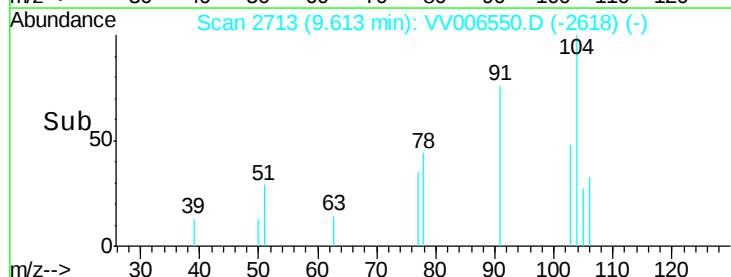
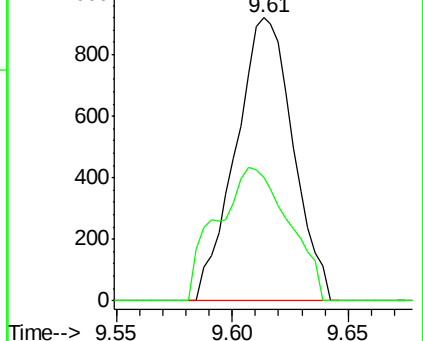
104 100

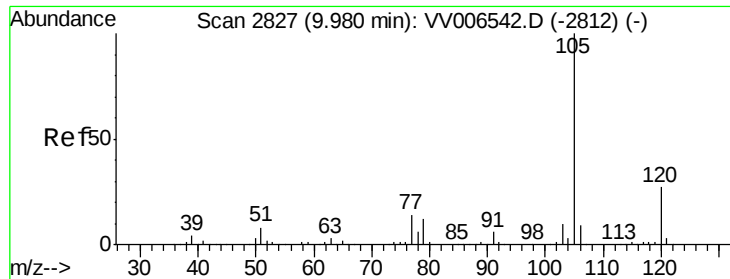
78 43.7 29.1 54.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 3.966 ug/L

RT: 9.98 min Scan# 2828

Delta R.T. 0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00573

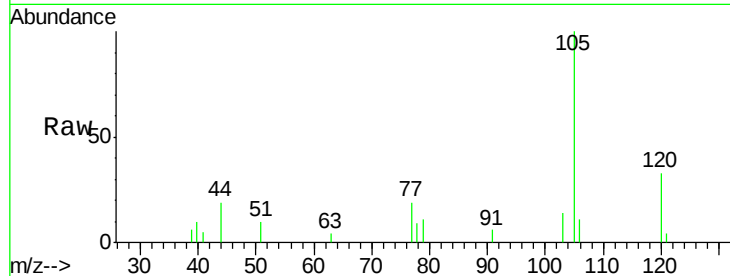
Tgt Ion: 105 Resp: 4651

Ion Ratio Lower Upper

105 100

120 30.1 21.7 32.5

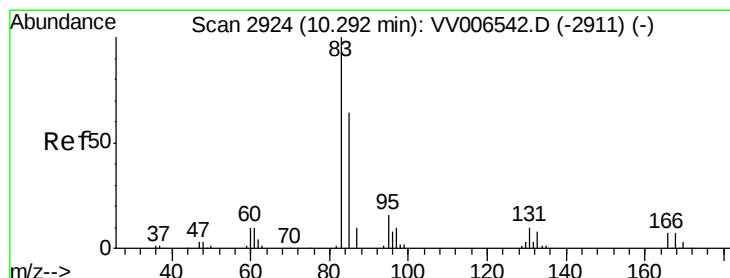
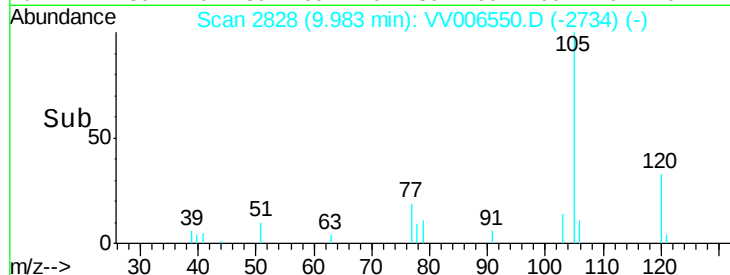
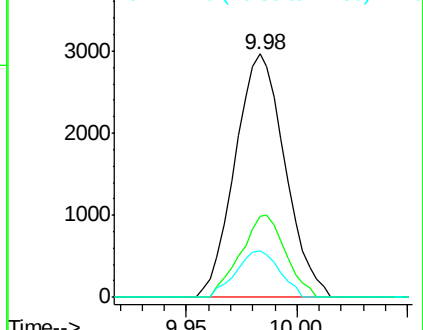
77 16.6 11.8 17.8



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: 3.906 ug/L

RT: 10.30 min Scan# 2926

Delta R.T. 0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

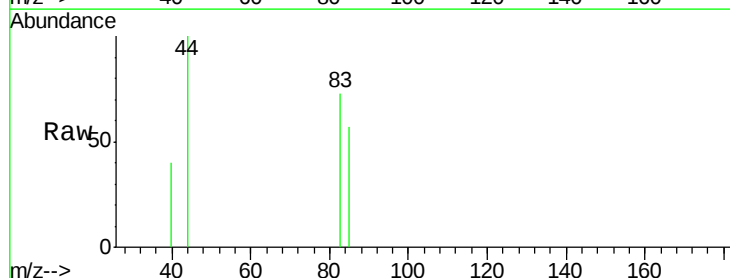
Tgt Ion: 83 Resp: 645

Ion Ratio Lower Upper

83 100

85 77.6 44.8 83.2

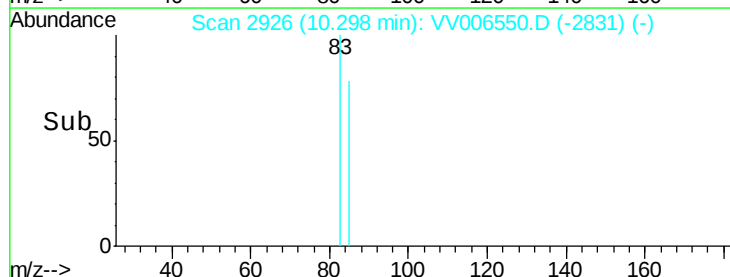
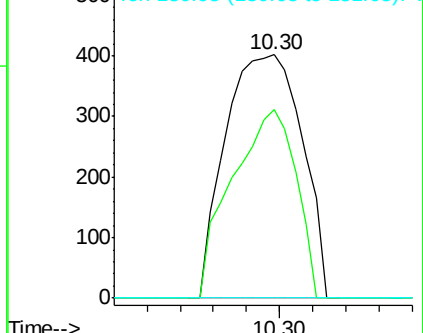
131 0.0 7.9 11.9#

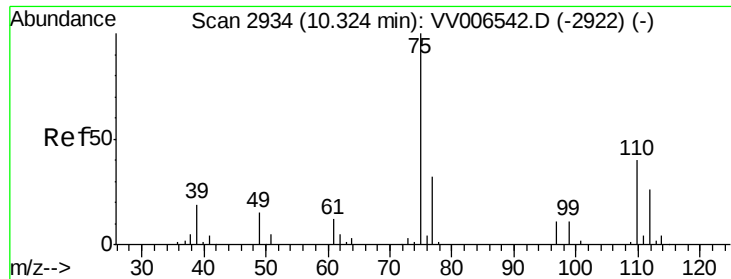


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

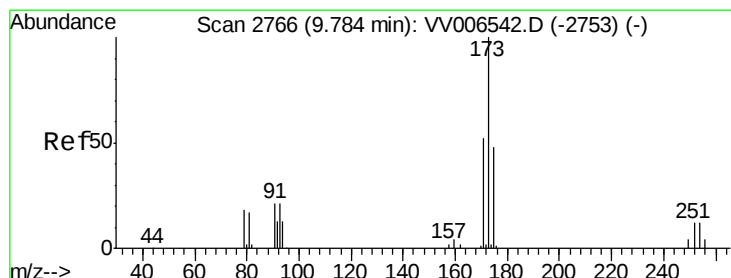
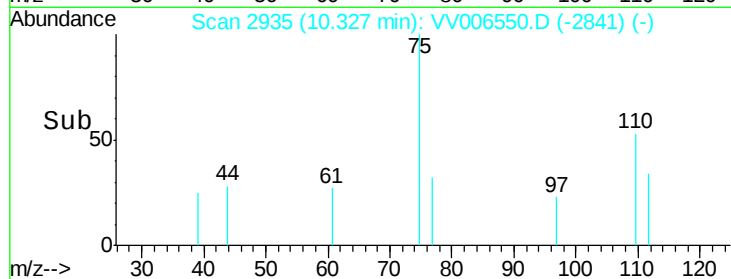
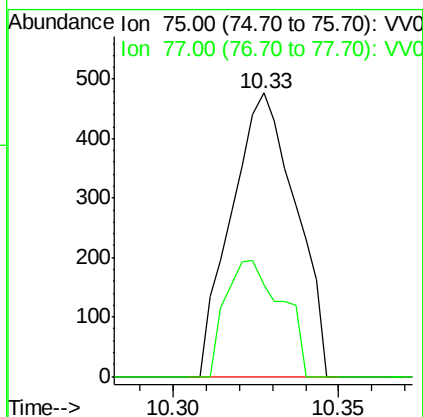
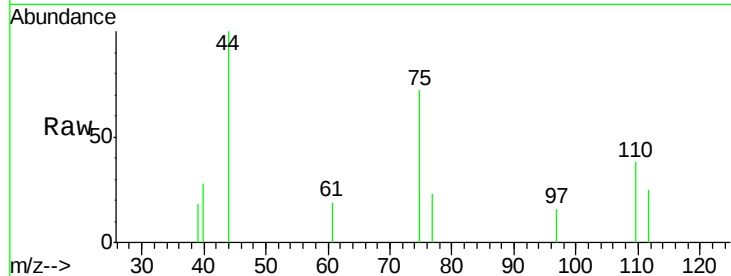




#59
 1,2,3-Trichloropropane
 Concen: 4.670 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

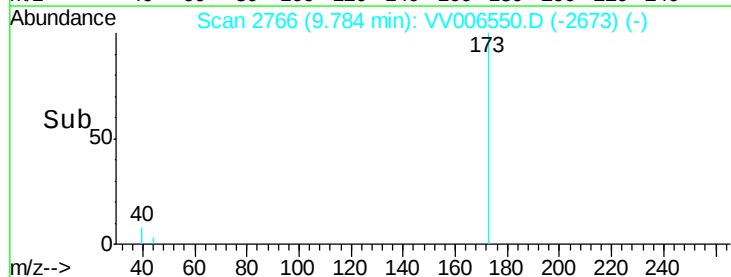
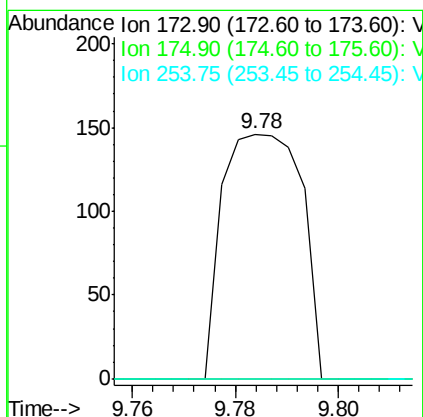
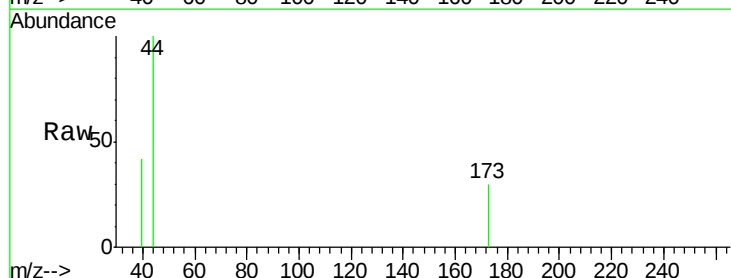
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

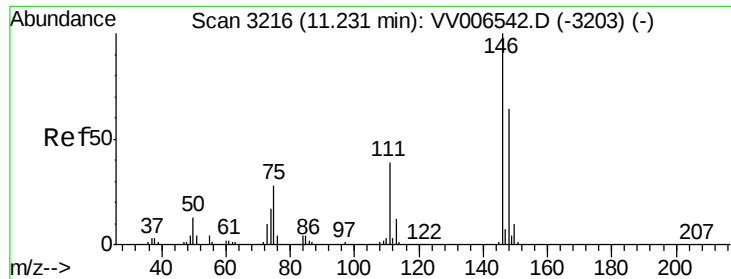
Tgt Ion: 75 Resp: 644
 Ion Ratio Lower Upper
 75 100
 77 35.4 25.7 38.5



#61
 Bromoform
 Concen: 4.713 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. -0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion: 173 Resp: 155
 Ion Ratio Lower Upper
 173 100
 175 0.0 38.8 58.2#
 254 0.0 9.0 13.6#

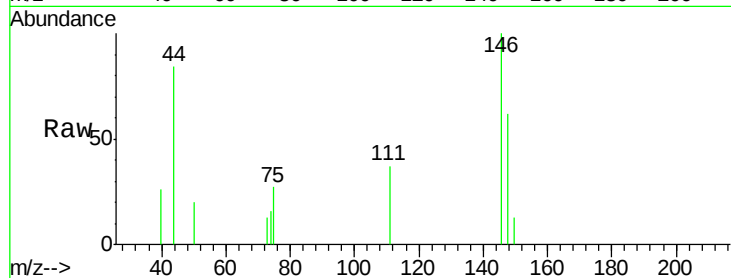




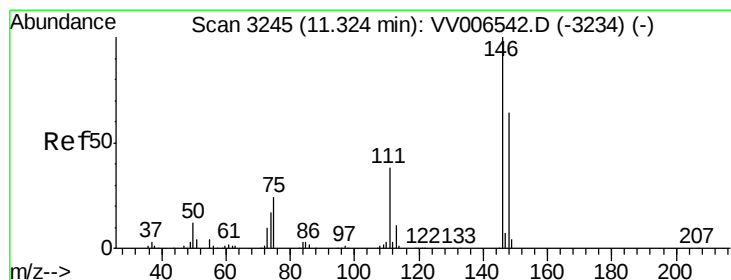
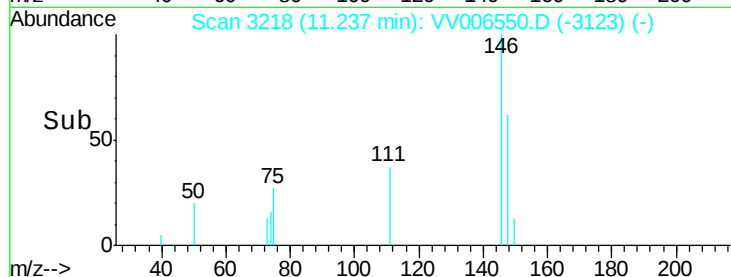
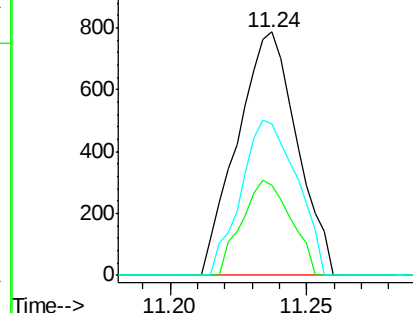
#62
 1,3-Dichlorobenzene
 Concen: 6.170 ug/L
 RT: 11.24 min Scan# 3218
 Delta R.T. 0.01 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

Tgt Ion:146 Resp: 1191
 Ion Ratio Lower Upper
 146 100
 111 36.7 27.4 51.0
 148 62.3 44.1 81.9

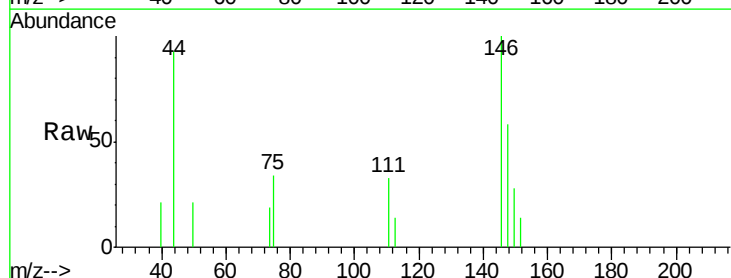


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

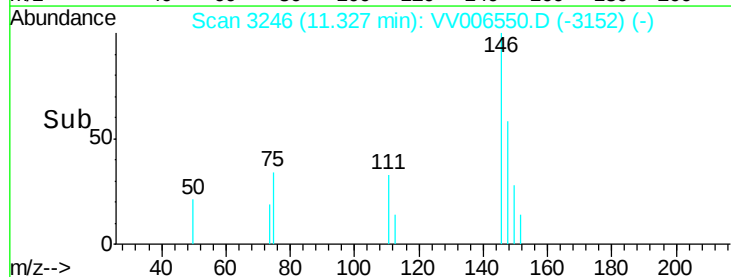
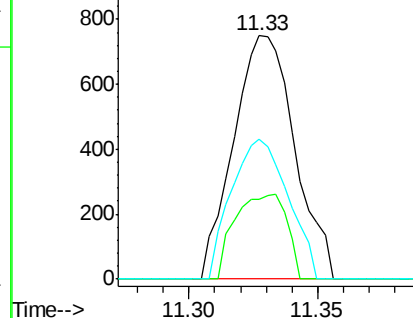


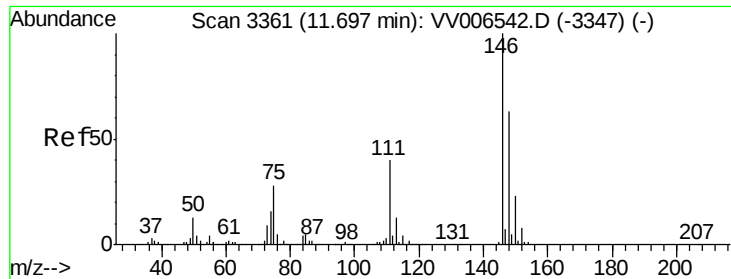
#63
 1,4-Dichlorobenzene
 Concen: 6.407 ug/L
 RT: 11.33 min Scan# 3246
 Delta R.T. 0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion:146 Resp: 1237
 Ion Ratio Lower Upper
 146 100
 111 32.5 26.3 48.9
 148 57.6 44.0 81.6



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





#65

1,2-Dichlorobenzene

Concen: 7.755 ug/L

RT: 11.70 min Scan# 3363

Delta R.T. 0.01 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampled :

VSTD00573

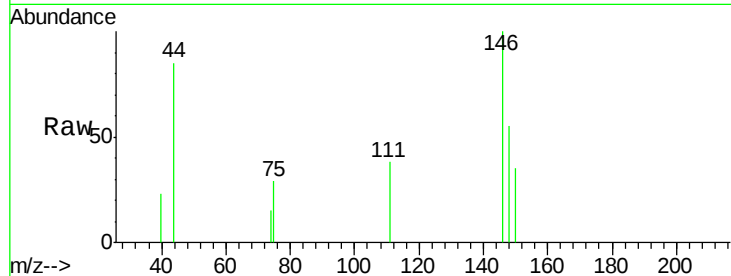
Tgt Ion: 146 Resp: 1401

Ion Ratio Lower Upper

146 100

111 38.0 32.0 48.0

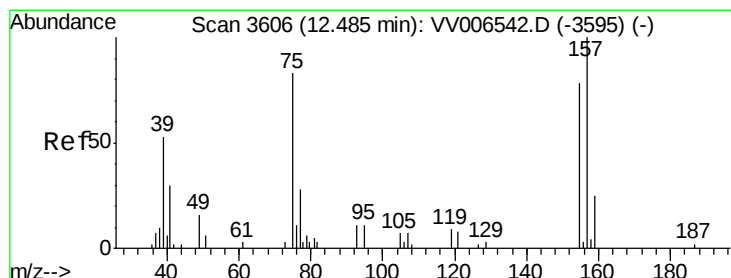
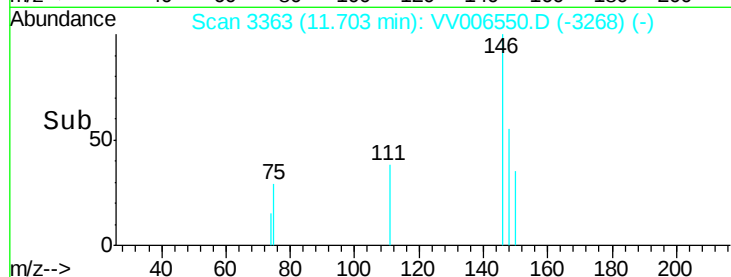
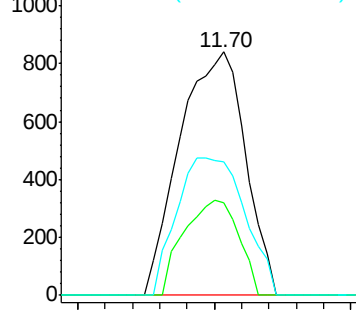
148 54.8 50.8 76.2



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: 11.984 ug/L

RT: 12.70 min Scan# 3673

Delta R.T. 0.22 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

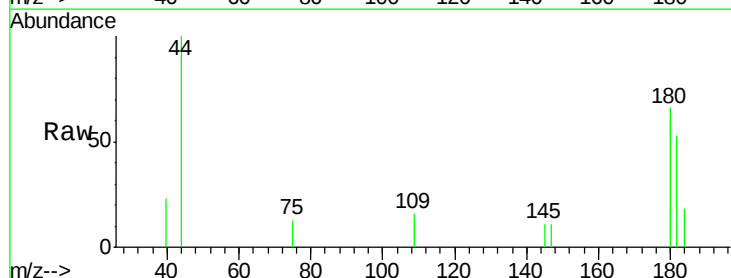
Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

155 0.0 73.9 110.9#

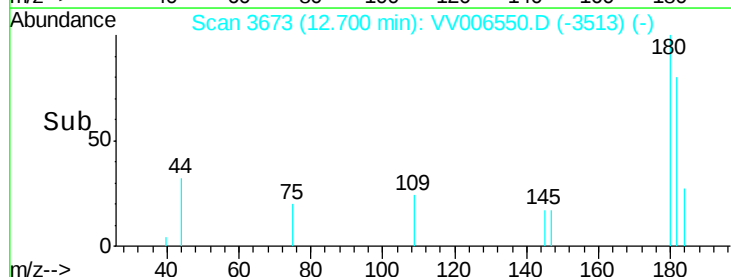
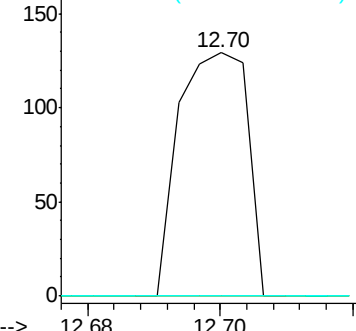
157 0.0 92.9 139.3#

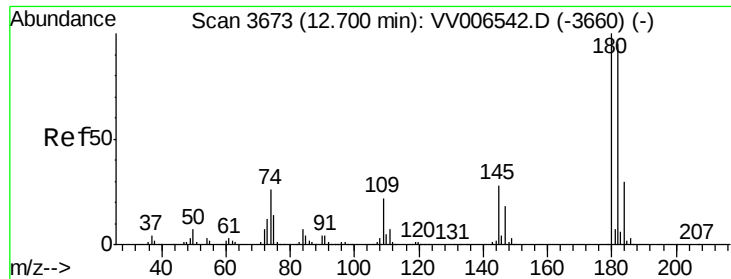


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

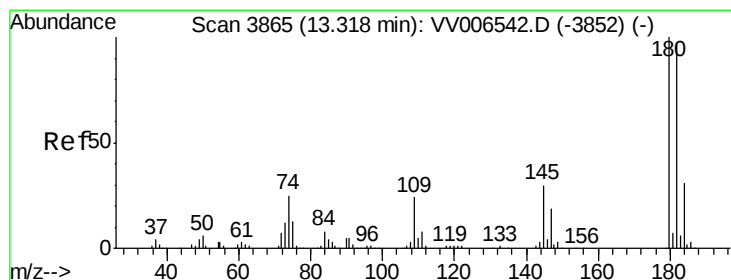
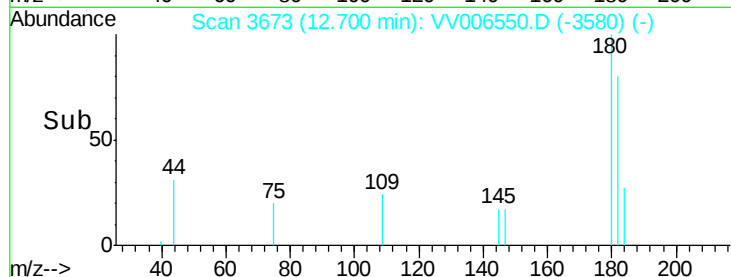
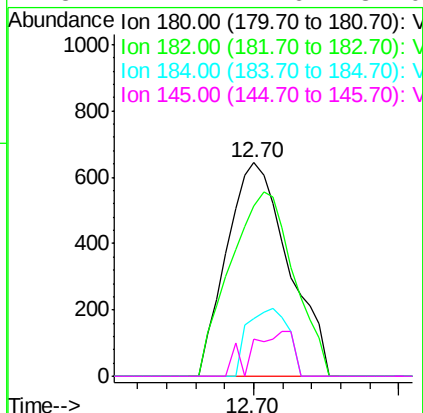
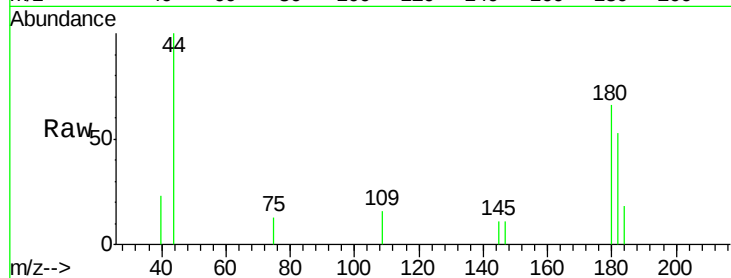




#67
 1,3,5-Trichlorobenzene
 Concen: 6.484 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

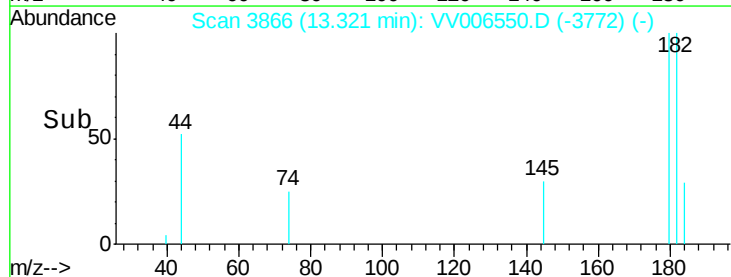
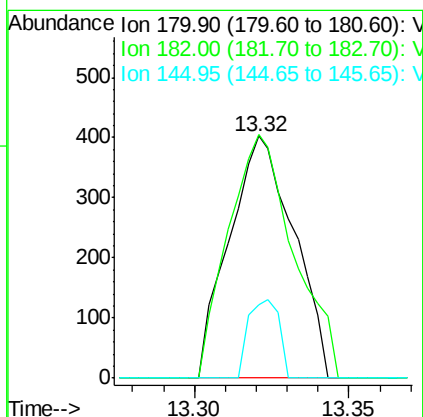
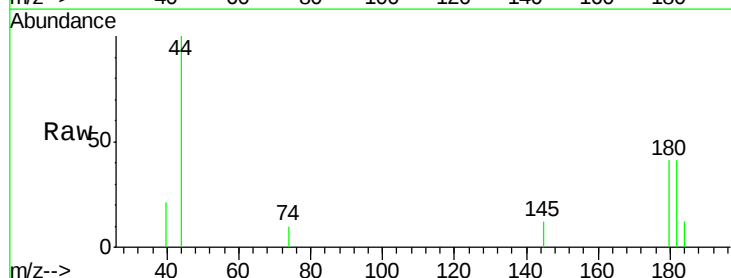
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00573

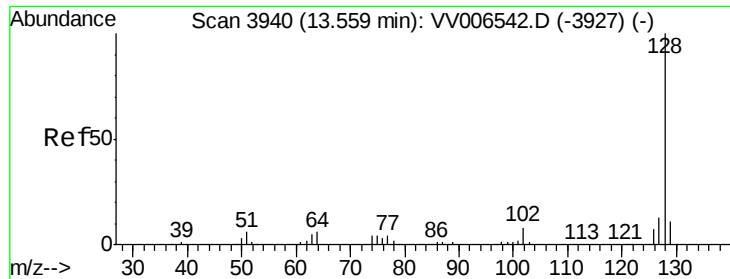
Tgt Ion:180 Resp: 951
 Ion Ratio Lower Upper
 180 100
 182 89.0 76.6 115.0
 184 21.1 24.5 36.7#
 145 14.2 22.6 34.0#



#68
 1,2,4-trichlorobenzene
 Concen: 5.430 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV006550.D
 Acq: 03 Jul 2018 17:57

Tgt Ion:180 Resp: 584
 Ion Ratio Lower Upper
 180 100
 182 102.1 76.7 115.1
 145 15.4 23.0 34.6#





#69

Naphthalene

Concen: 8.460 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

Instrument :

MSVOA_V

ClientSampled :

VSTD00573

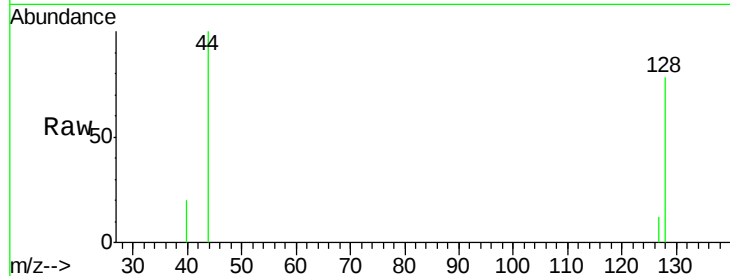
Tgt Ion:128 Resp: 1330

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

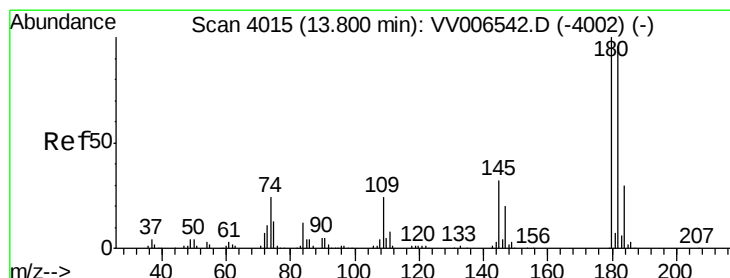
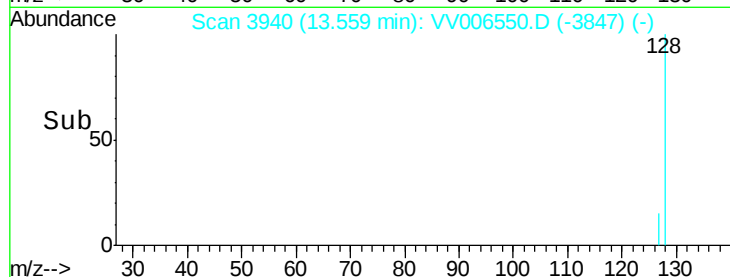
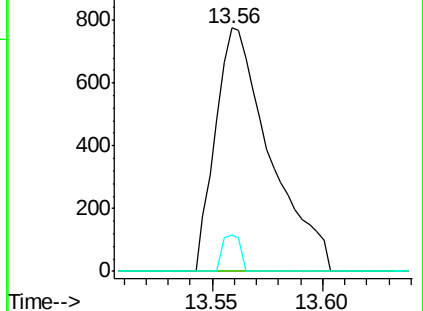
127 4.8 10.2 15.4#



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: 8.310 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006550.D

Acq: 03 Jul 2018 17:57

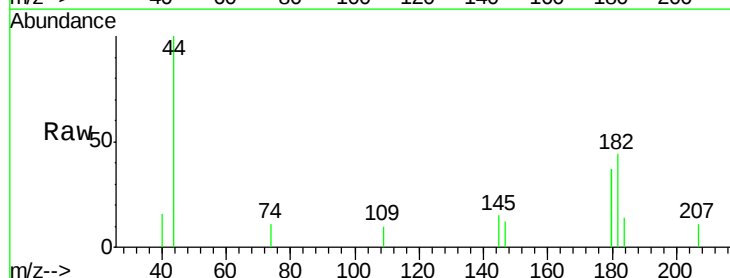
Tgt Ion:180 Resp: 832

Ion Ratio Lower Upper

180 100

182 90.9 76.0 114.0

145 22.8 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

