

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072618\
 Data File : VV006717.D
 Acq On : 26 Jul 2018 21:05
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Quant Time: Jul 27 00:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 27 00:52:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	250706	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	235563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110539	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86925	6.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	133.20%#
7) Chloroethane-d5	1.58	69	60806	5.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.80%
11) 1,1-Dichloroethene-d2	2.13	63	155670	6.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	121.60%
20) 2-Butanone-d5	3.97	46	204656	50.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.40%
24) Chloroform-d	4.41	84	147352	6.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.40%
26) 1,2-Dichloroethane-d4	5.09	65	70988	5.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.00%
32) Benzene-d6	5.10	84	301446	6.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.60%
36) 1,2-Dichloropropane-d6	6.12	67	96185	5.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.60%
41) Toluene-d8	7.37	98	281008	6.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.80%#
43) trans-1,3-Dichloropropene-	7.67	79	32211	6.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.60%
46) 2-Hexanone-d5	8.14	63	176624	52.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.52%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	71428	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	97419	5.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	108297	4.800	ug/L 97
3) Chloromethane	1.26	50	102262	5.339	ug/L 96
5) Vinyl chloride	1.32	62	123326	5.140	ug/L 98
6) Bromomethane	1.54	94	30571	5.207	ug/L 97
8) Chloroethane	1.60	64	67165	5.115	ug/L 98
9) Trichlorofluoromethane	1.77	101	141161	5.129	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	85474	5.096	ug/L 99
12) 1,1-Dichloroethene	2.14	96	82615	5.030	ug/L 93
13) Acetone	2.21	43	136779	52.731	ug/L 100
14) Carbon disulfide	2.32	76	263049	4.763	ug/L 99
15) Methyl Acetate	2.47	43	39987	5.200	ug/L 98
16) Methylene chloride	2.54	84	92276	4.901	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	211234	5.243	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	91841	5.148	ug/L 98
19) 1,1-Dichloroethane	3.23	63	172770	5.265	ug/L 99
21) 2-Butanone	4.05	43	228696	52.638	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	95623	5.141	ug/L 98

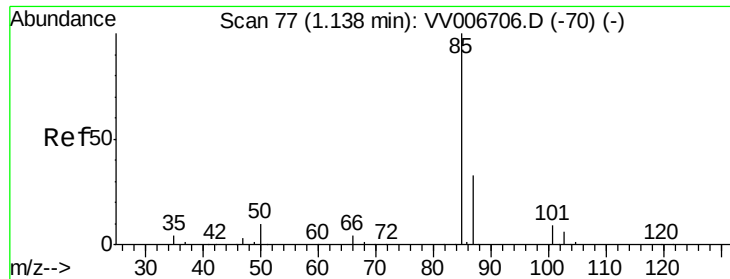
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072618\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	39428	5.151	ug/L	97
25) Chloroform	4.43	83	161347	5.240	ug/L	98
27) 1,2-Dichloroethane	5.19	62	95449	5.283	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	130878	5.164	ug/L	100
30) Cyclohexane	4.72	56	138051	4.865	ug/L	100
31) Carbon tetrachloride	4.88	117	111778	5.160	ug/L	99
33) Benzene	5.15	78	373547	5.275	ug/L	100
34) Trichloroethene	5.96	95	91788	5.134	ug/L	98
35) Methylcyclohexane	6.18	83	143461	4.804	ug/L	100
37) 1,2-Dichloropropane	6.23	63	94522	5.199	ug/L	100
38) Bromodichloromethane	6.56	83	106441	5.242	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	119132	5.031	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	542890	54.325	ug/L	100
42) Toluene	7.44	91	384111	5.267	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	94982	5.101	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	64920	5.302	ug/L	99
47) Tetrachloroethene	8.02	164	72892	5.133	ug/L	99
48) 2-Hexanone	8.20	43	383795	55.040	ug/L	99
49) Dibromochloromethane	8.30	129	68386	5.278	ug/L	98
50) 1,2-Dibromoethane	8.40	107	58188	5.318	ug/L	100
51) Chlorobenzene	8.93	112	246009	5.187	ug/L	99
52) Ethylbenzene	9.06	91	400408	5.151	ug/L	100
53) m,p-xylene	9.19	106	156552	5.335	ug/L	100
54) o-xylene	9.59	106	150420	5.262	ug/L	100
55) Styrene	9.61	104	260117	5.395	ug/L	98
56) Isopropylbenzene	9.98	105	387620	5.221	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.30	83	76152	5.084	ug/L	100
59) 1,2,3-Trichloropropane	10.33	75	56209	5.253	ug/L	100
61) Bromoform	9.78	173	34314	5.107	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	173455	5.076	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	178222	5.118	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	173533	5.214	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10237	5.139	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	131872	5.055	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	103368	4.988	ug/L	99
69) Naphthalene	13.56	128	182493	5.146	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	103024	5.253	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.800 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

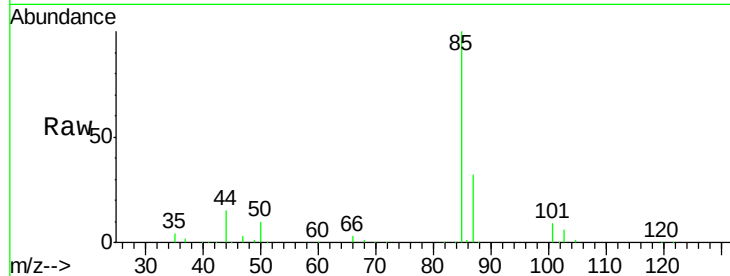
VSTD00562

Tgt Ion: 85 Resp: 108297

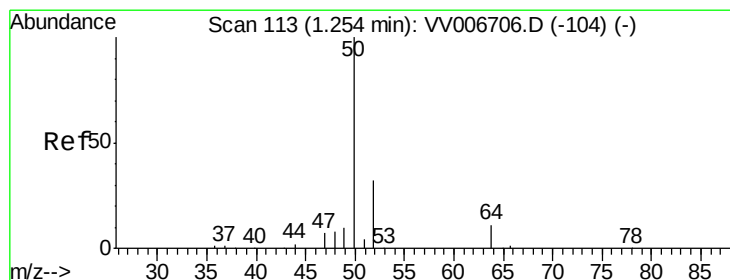
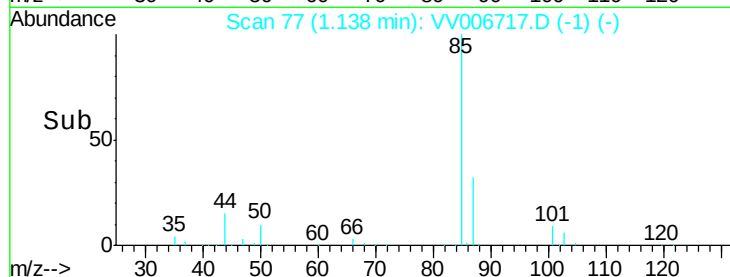
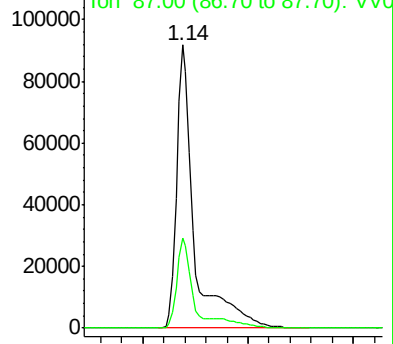
Ion Ratio Lower Upper

85 100

87 26.6 19.9 29.9



Abundance Ion 85.00 (84.70 to 85.70): VV006717.D (-1) (-)



#3

Chloromethane

Concen: 5.339 ug/L

RT: 1.26 min Scan# 115

Delta R.T. 0.01 min

Lab File: VV006717.D

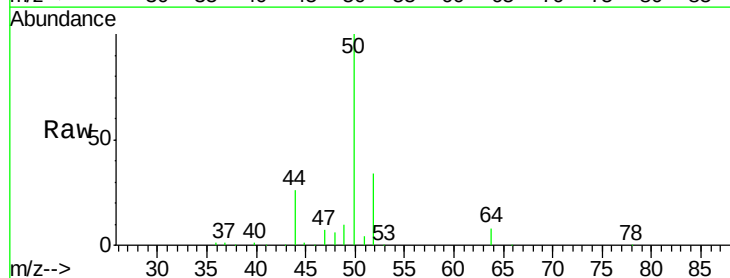
Acq: 26 Jul 2018 21:05

Tgt Ion: 50 Resp: 102262

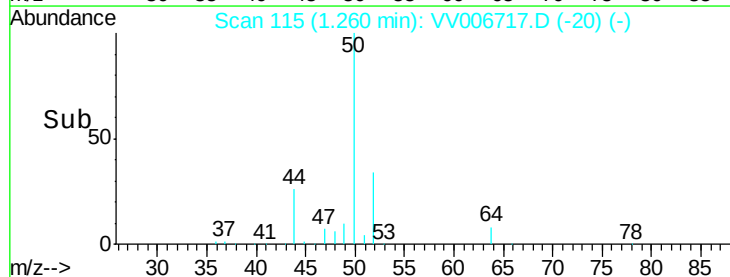
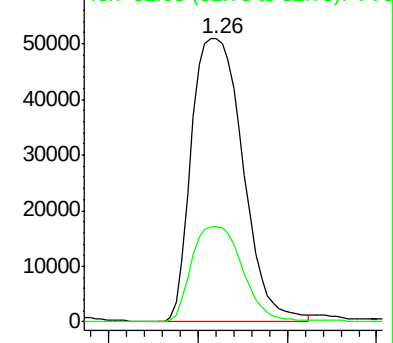
Ion Ratio Lower Upper

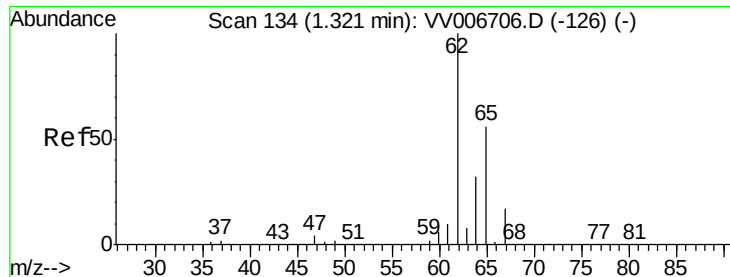
50 100

52 33.8 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006717.D (-20) (-)





#5

Vinyl chloride

Concen: 5.140 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

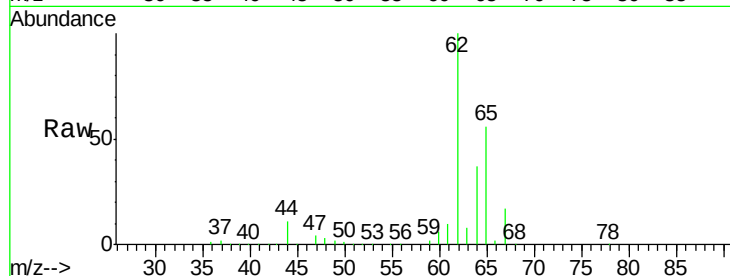
VSTD00562

Tgt Ion: 62 Resp: 123326

Ion Ratio Lower Upper

62 100

64 36.9 26.5 49.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

120000

100000

80000

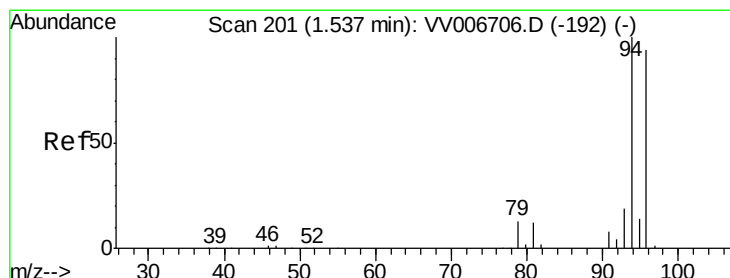
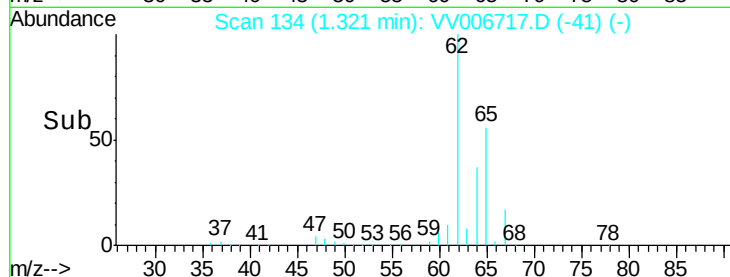
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 5.207 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006717.D

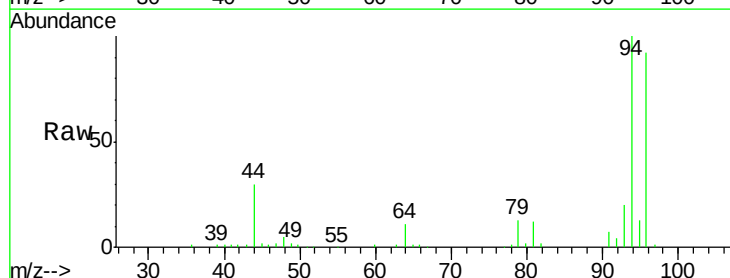
Acq: 26 Jul 2018 21:05

Tgt Ion: 94 Resp: 30571

Ion Ratio Lower Upper

94 100

96 92.2 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

30000

25000

20000

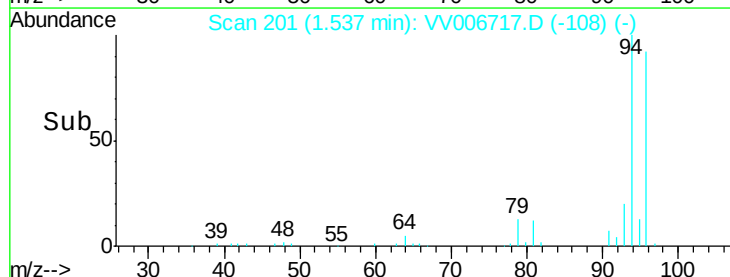
15000

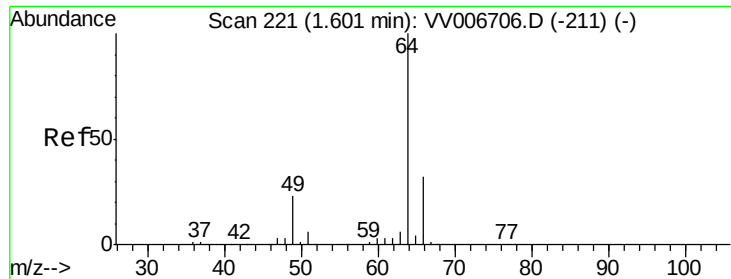
10000

5000

0

Time-->





#8

Chloroethane

Concen: 5.115 ug/L

RT: 1.60 min Scan# 220

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

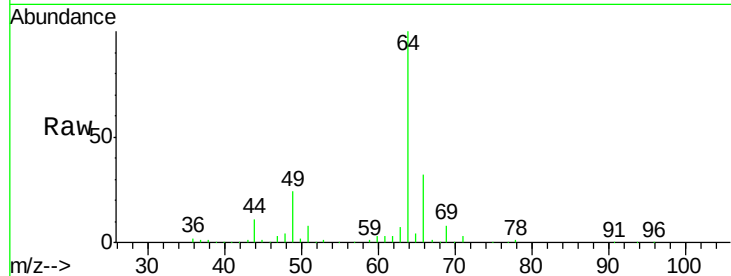
VSTD00562

Tgt Ion: 64 Resp: 67165

Ion Ratio Lower Upper

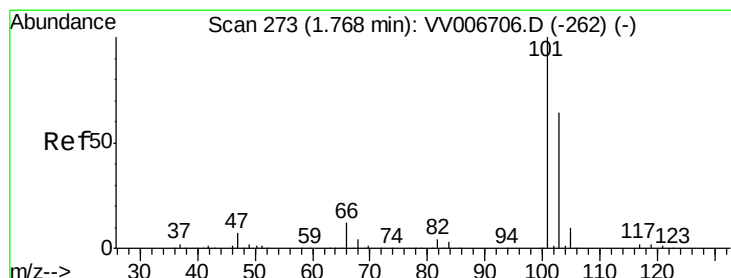
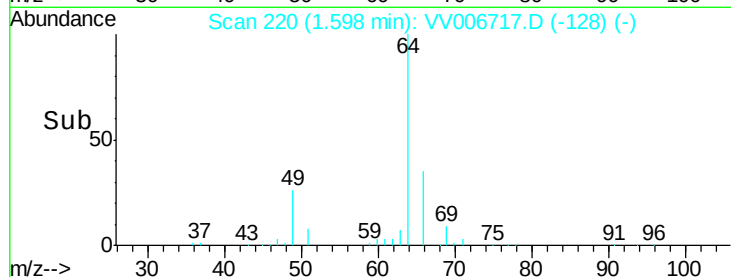
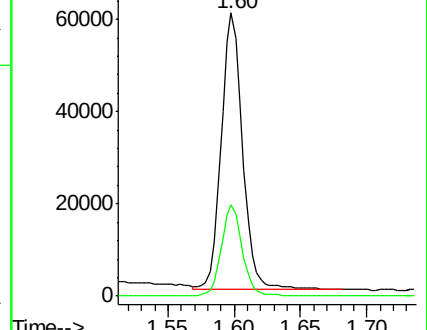
64 100

66 32.2 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV006717.D (-211) (-)

Ion 66.05 (65.75 to 66.75): VV006717.D (-211) (-)



#9

Trichlorofluoromethane

Concen: 5.129 ug/L

RT: 1.77 min Scan# 273

Delta R.T. -0.00 min

Lab File: VV006717.D

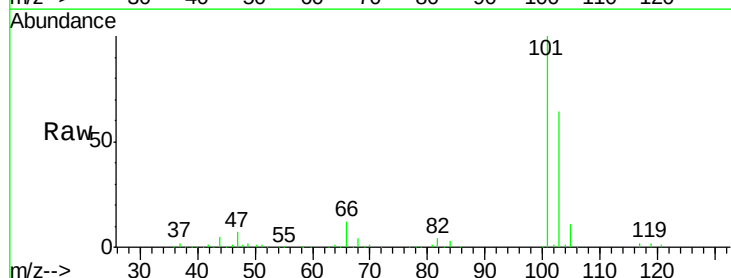
Acq: 26 Jul 2018 21:05

Tgt Ion: 101 Resp: 141161

Ion Ratio Lower Upper

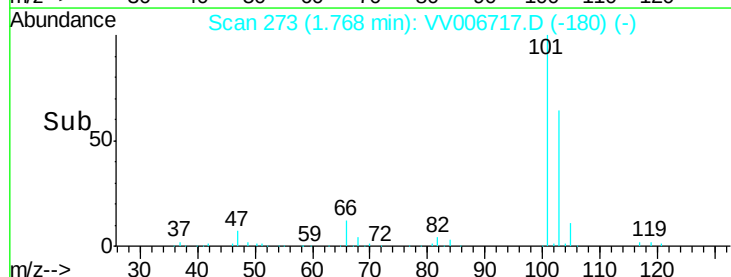
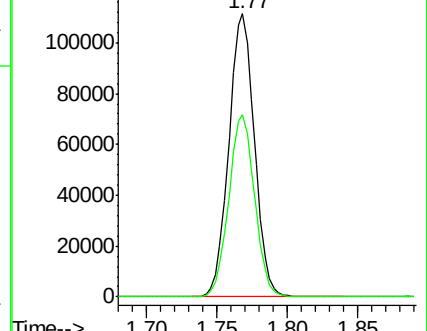
101 100

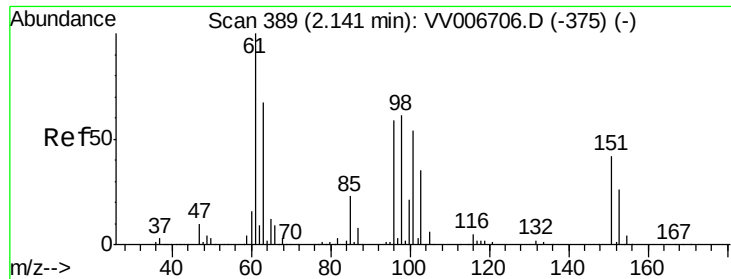
103 64.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006717.D (-262) (-)

Ion 103.00 (102.70 to 103.70): VV006717.D (-262) (-)





#10

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

Concen: 5.096 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

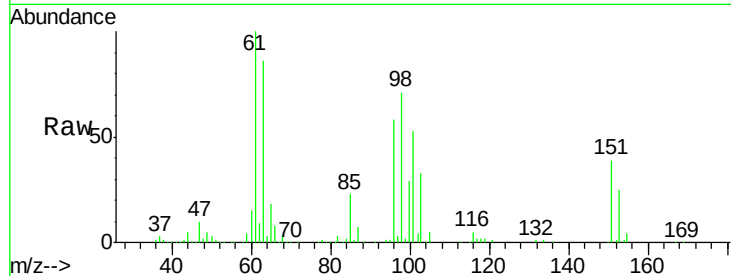
Tgt Ion: 101 Resp: 85474

Ion Ratio Lower Upper

101 100

85 42.1 33.1 49.7

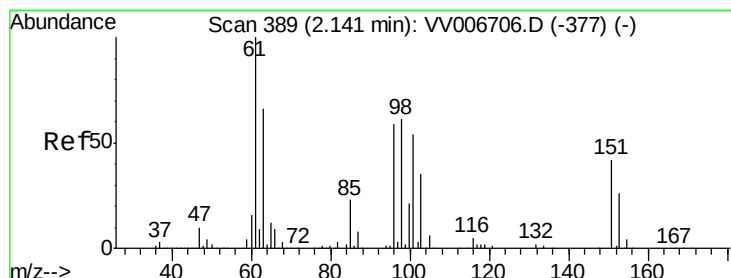
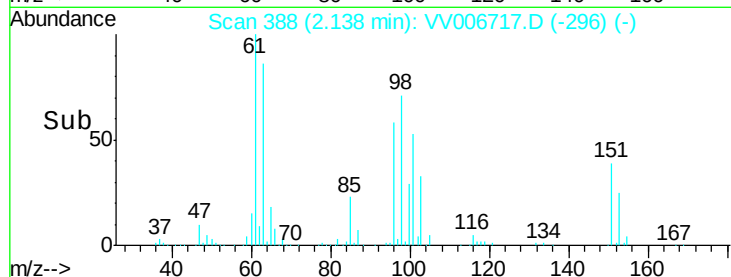
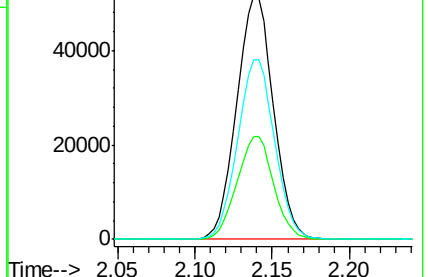
151 74.2 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV006717.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006717.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006717.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 5.030 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

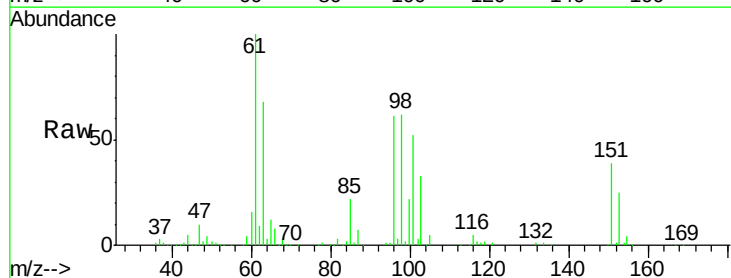
Tgt Ion: 96 Resp: 82615

Ion Ratio Lower Upper

96 100

61 165.3 113.5 210.9

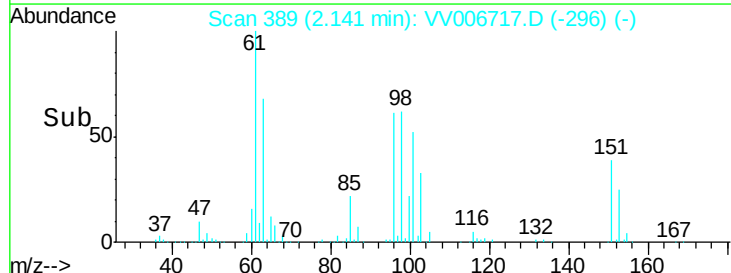
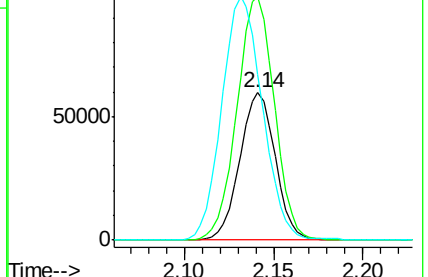
63 112.8 69.5 129.1

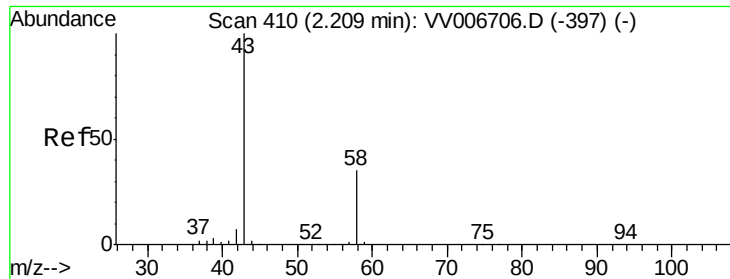


Abundance Ion 96.00 (95.70 to 96.70): VV006717.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VV006717.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VV006717.D (-296) (-)





#13

Acetone

Concen: 52.731 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

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MSVOA_V

ClientSampleId :

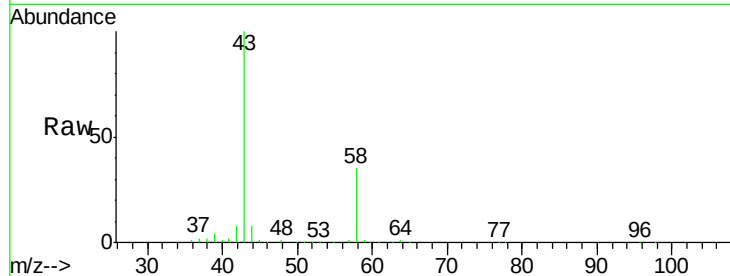
VSTD00562

Tgt Ion: 43 Resp: 136779

Ion Ratio Lower Upper

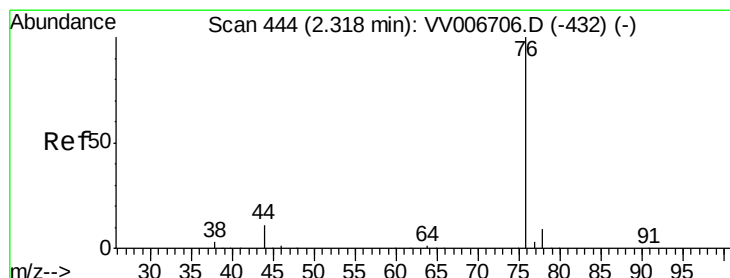
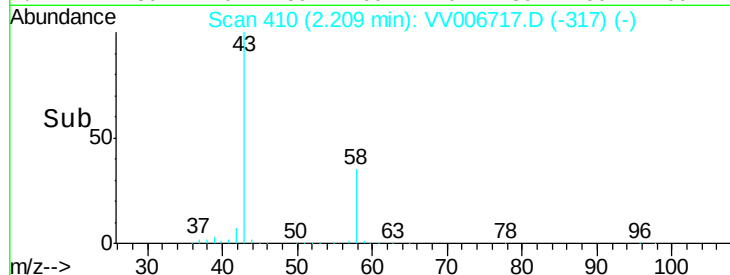
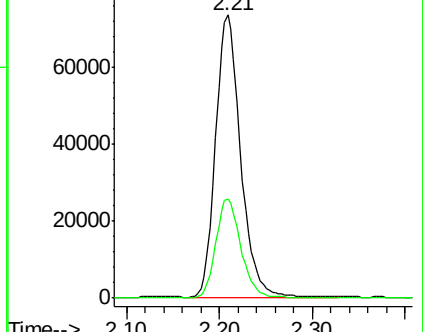
43 100

58 35.6 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006717.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VV006717.D (-317) (-)



#14

Carbon disulfide

Concen: 4.763 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006717.D

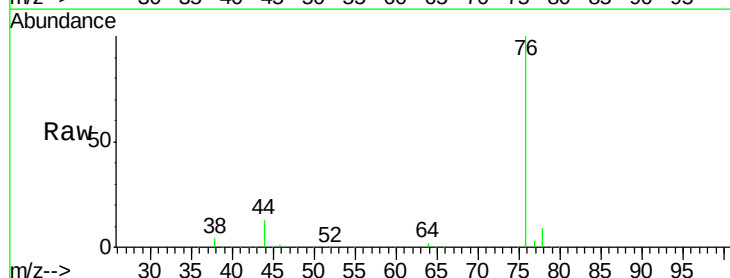
Acq: 26 Jul 2018 21:05

Tgt Ion: 76 Resp: 263049

Ion Ratio Lower Upper

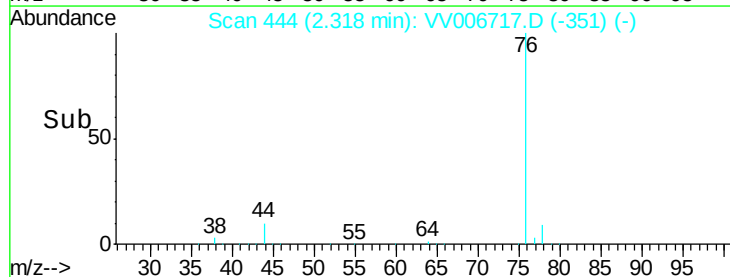
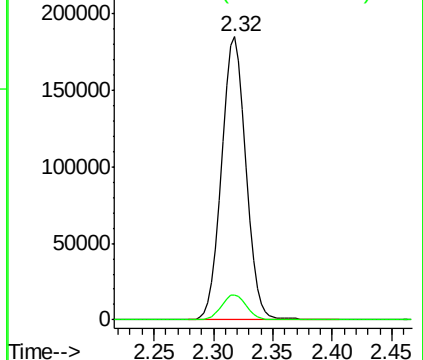
76 100

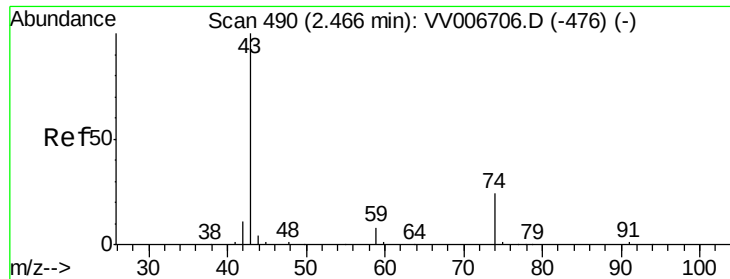
78 9.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV006717.D (-351) (-)

Ion 78.00 (77.70 to 78.70): VV006717.D (-351) (-)

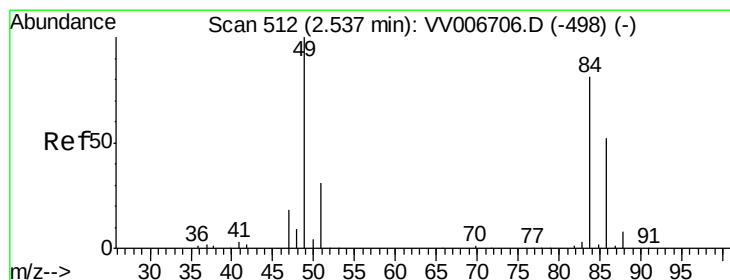
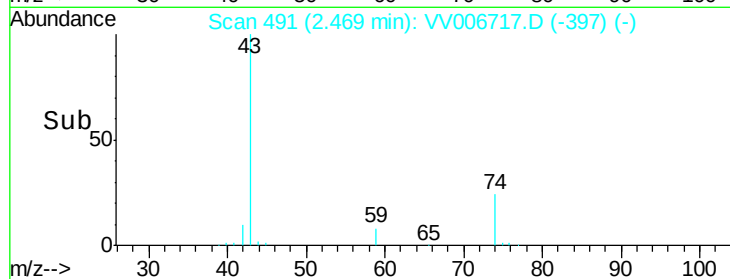
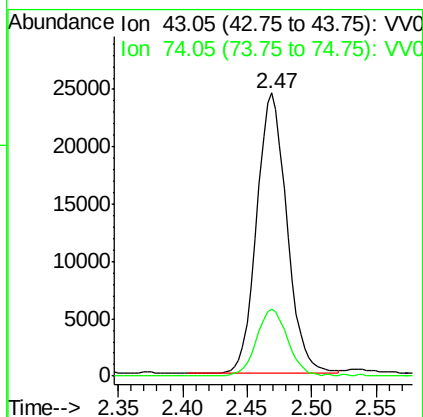
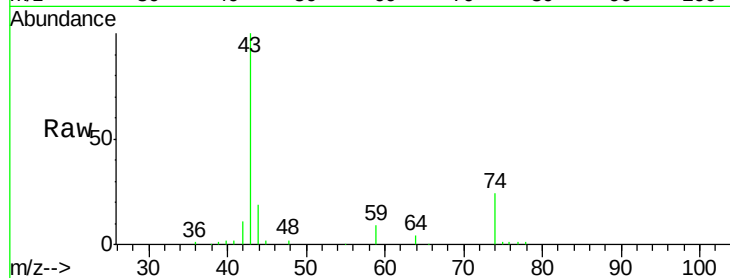




#15
Methyl Acetate
Concen: 5.200 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

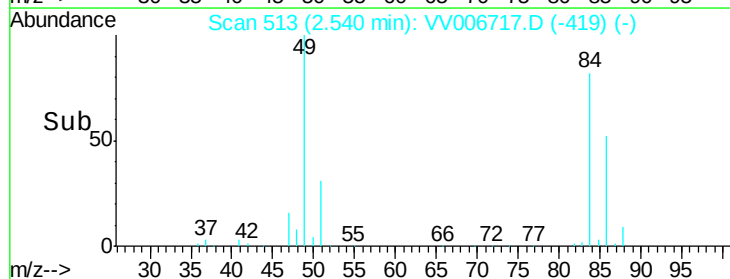
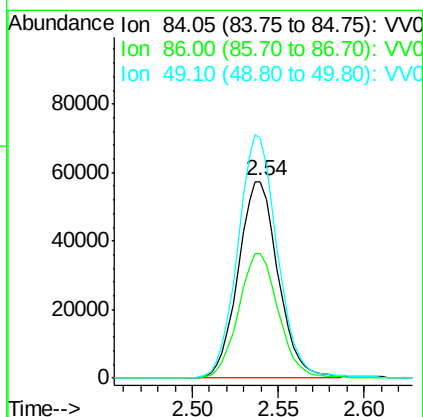
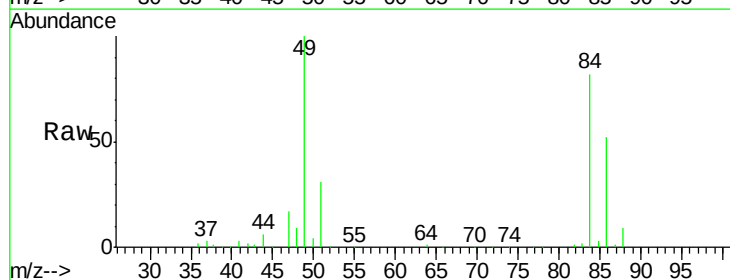
Instrument :
MSVOA_V
ClientSampled :
VSTD00562

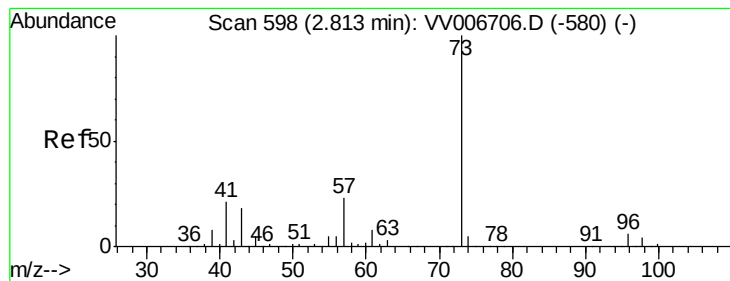
Tgt Ion: 43 Resp: 39987
Ion Ratio Lower Upper
43 100
74 24.7 20.6 31.0



#16
Methylene chloride
Concen: 4.901 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Tgt Ion: 84 Resp: 92276
Ion Ratio Lower Upper
84 100
86 63.1 44.7 83.1
49 121.7 86.7 160.9





#17

Methyl tert-butyl Ether

Concen: 5.243 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

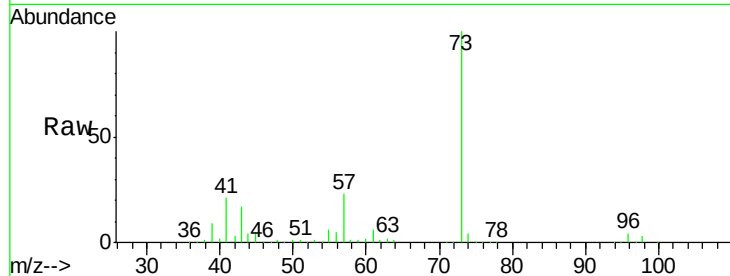
Tgt Ion: 73 Resp: 211234

Ion Ratio Lower Upper

73 100

43 17.4 14.2 21.4

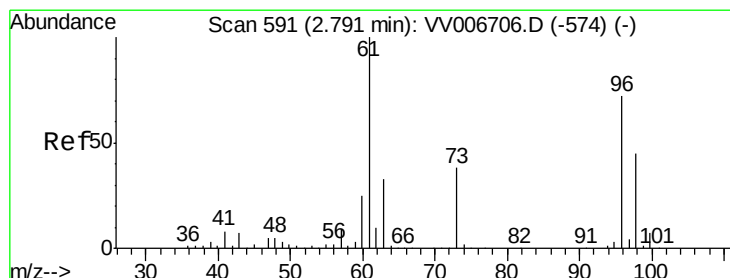
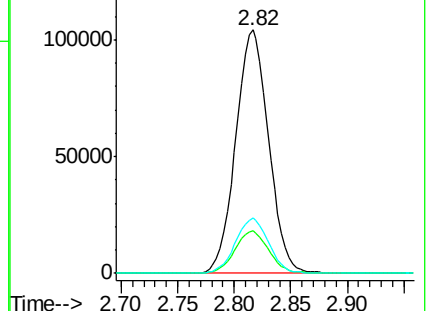
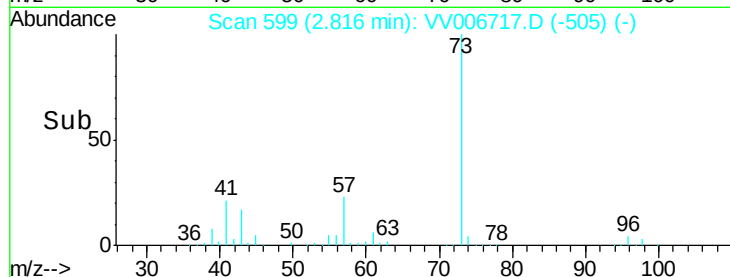
57 22.8 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV006717.D (-580) (-)

Ion 43.05 (42.75 to 43.75): VV006717.D (-580) (-)

Ion 57.10 (56.80 to 57.80): VV006717.D (-580) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.148 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

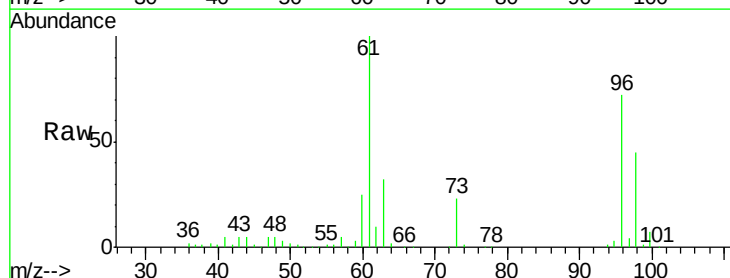
Tgt Ion: 96 Resp: 91841

Ion Ratio Lower Upper

96 100

61 139.3 98.5 182.9

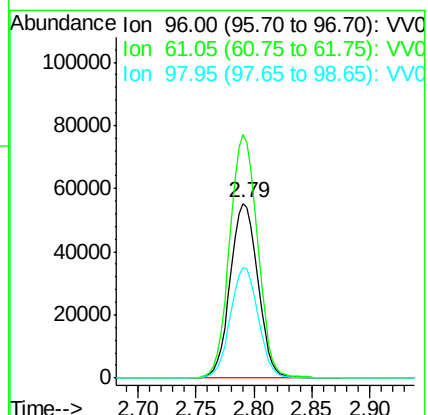
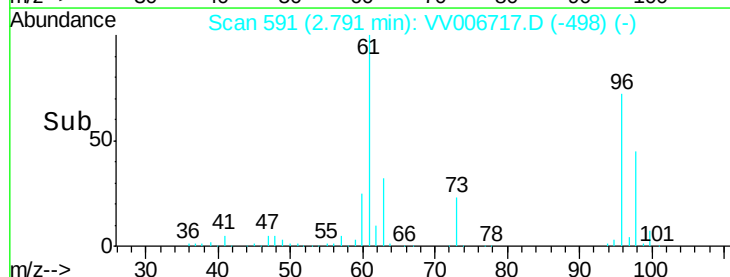
98 63.0 45.4 84.4

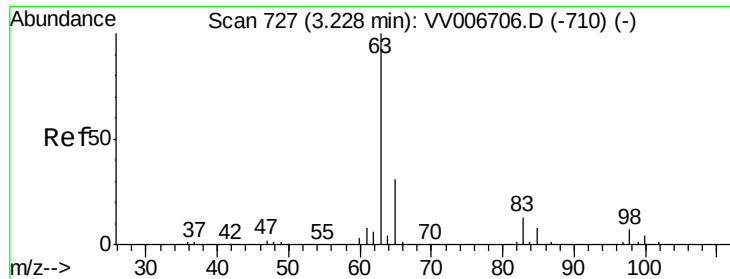


Abundance Ion 96.00 (95.70 to 96.70): VV006717.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006717.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006717.D (-498) (-)

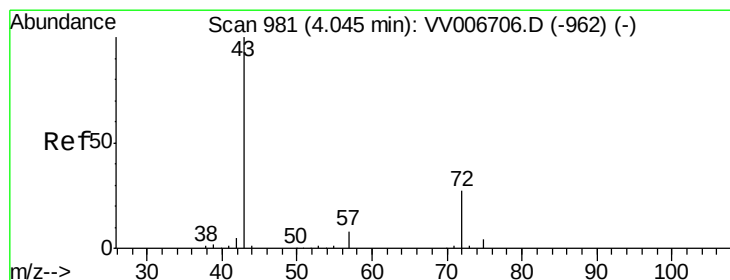
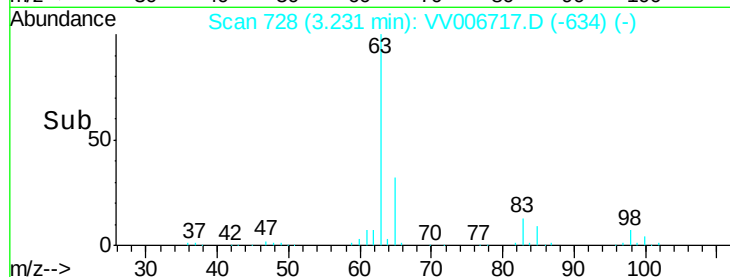
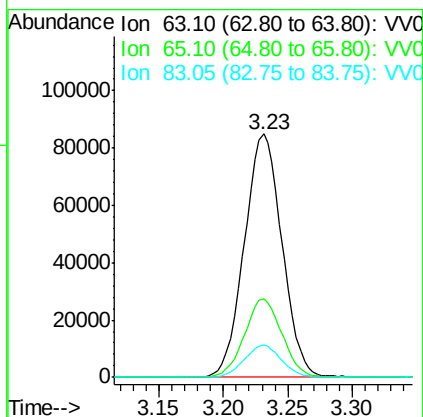
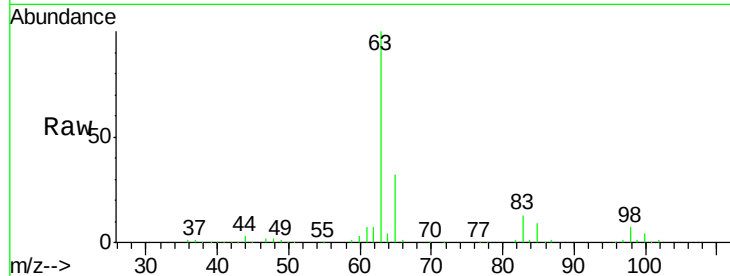




#19
 1,1-Dichloroethane
 Concen: 5.265 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

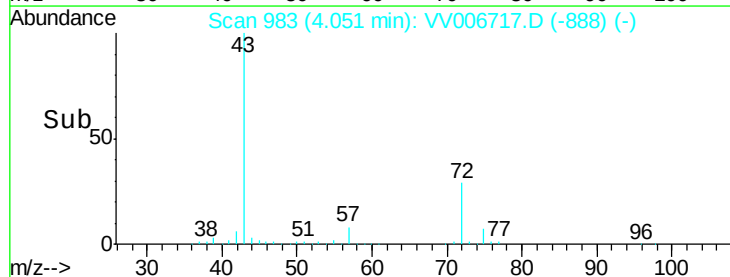
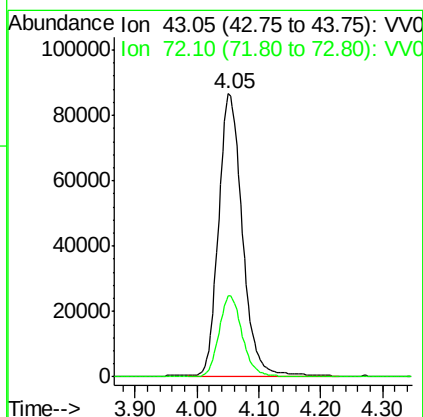
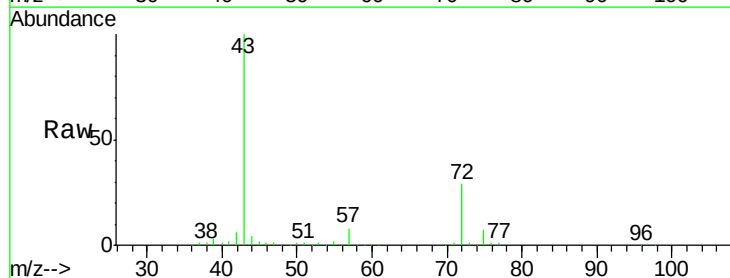
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00562

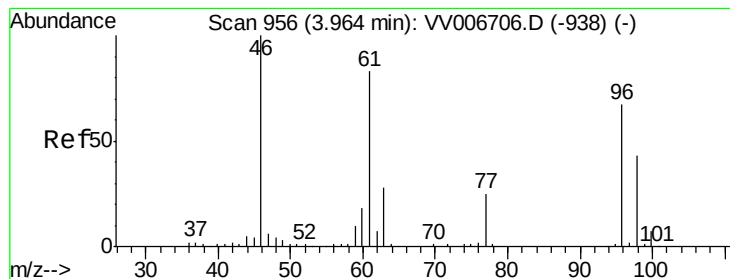
Tgt Ion: 63 Resp: 172770
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.4 41.6
 83 13.2 9.0 16.8



#21
 2-Butanone
 Concen: 52.638 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Tgt Ion: 43 Resp: 228696
 Ion Ratio Lower Upper
 43 100
 72 28.1 13.8 41.4



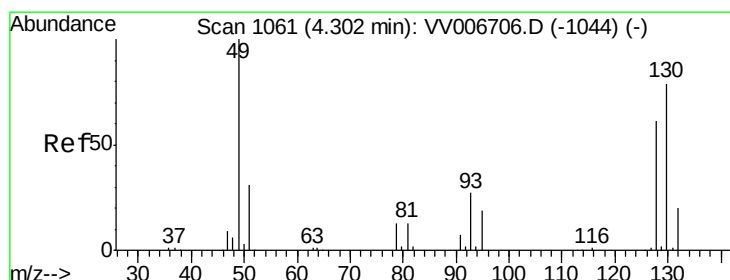
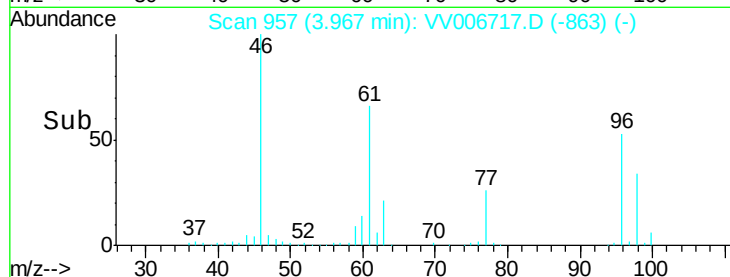
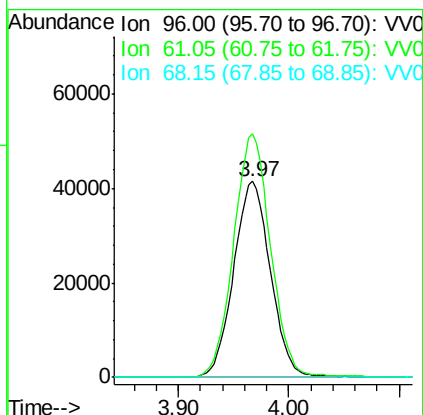
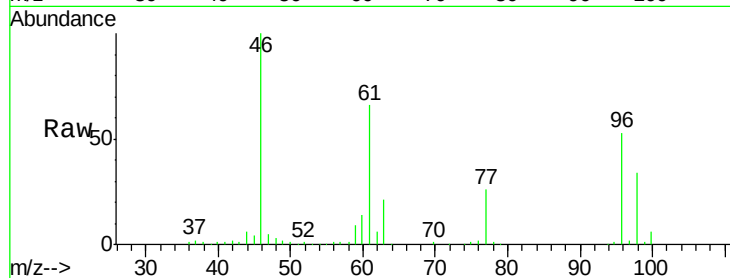


#22

cis-1,2-Dichloroethene
 Concen: 5.141 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

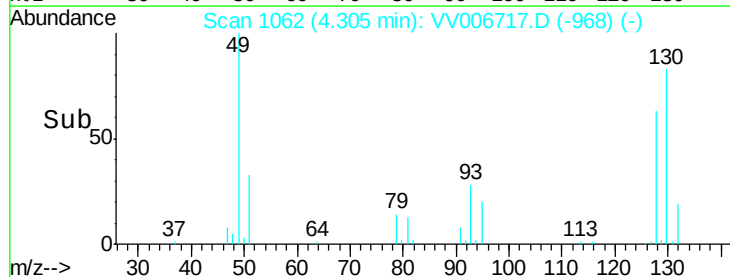
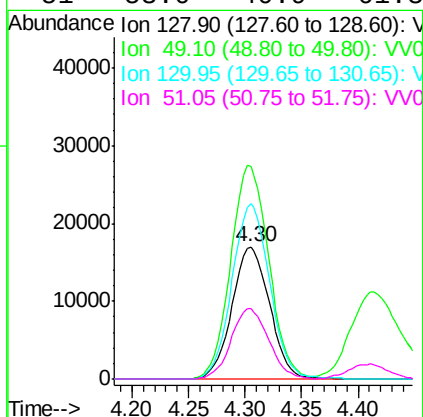
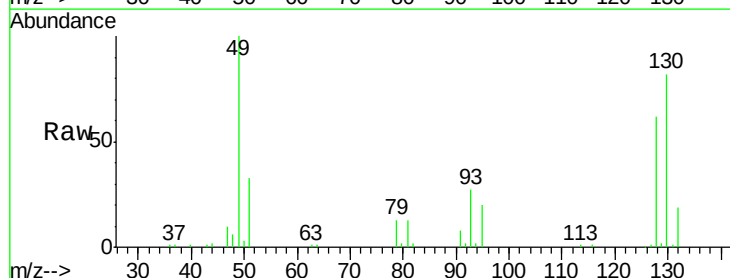
Tgt Ion: 96 Resp: 95623
 Ion Ratio Lower Upper
 96 100
 61 124.3 85.5 158.9
 68 0.0 0.0 0.0

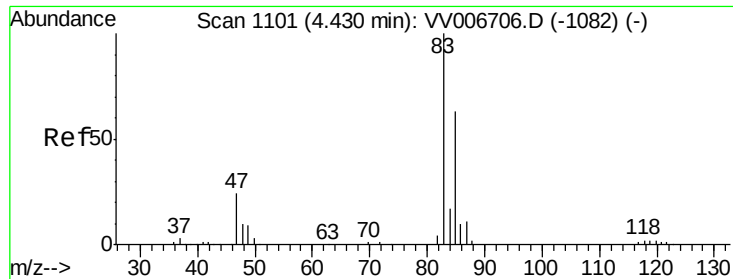


#23

Bromochloromethane
 Concen: 5.151 ug/L
 RT: 4.30 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Tgt Ion: 128 Resp: 39428
 Ion Ratio Lower Upper
 128 100
 49 160.8 112.6 209.0
 130 132.7 87.1 161.7
 51 53.0 40.9 61.3

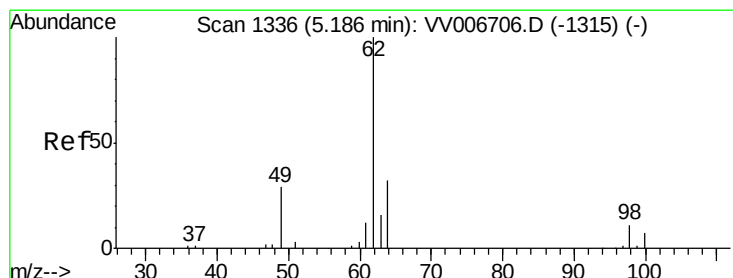
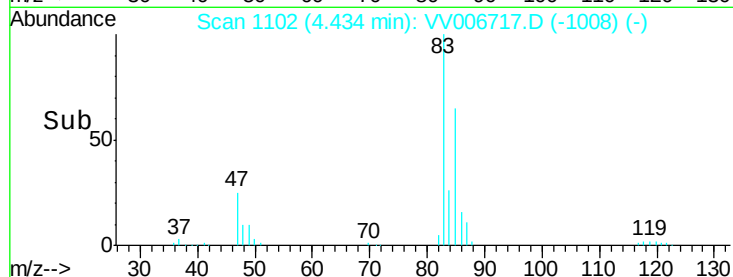
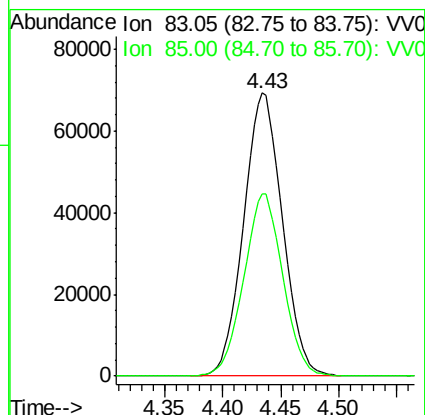
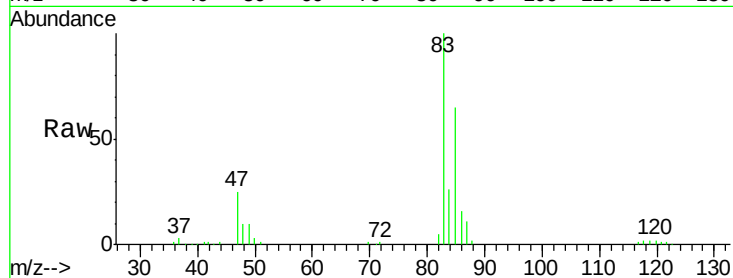




#25
Chloroform
Concen: 5.240 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

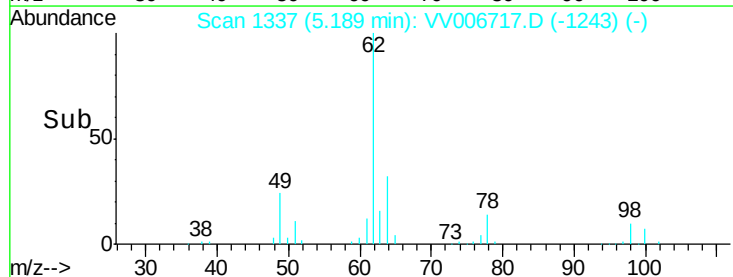
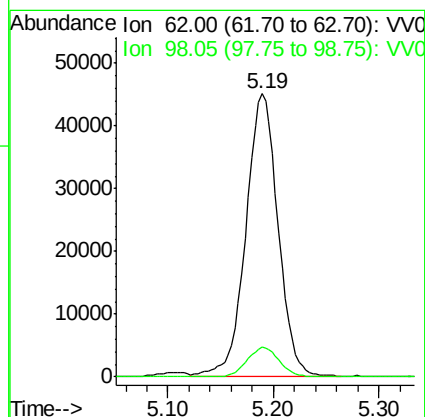
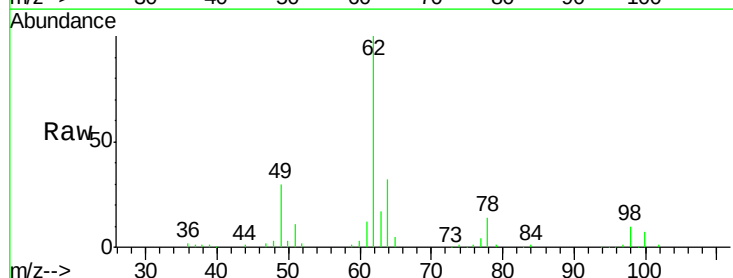
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

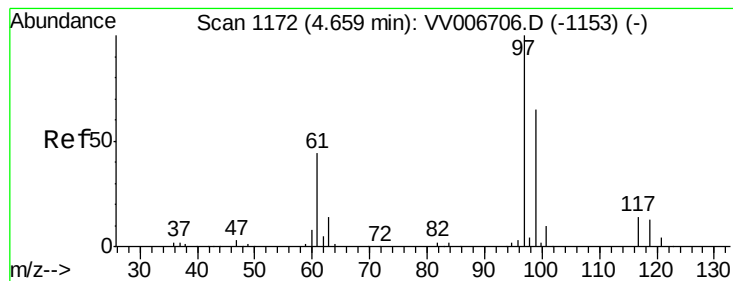
Tgt Ion: 83 Resp: 161347
Ion Ratio Lower Upper
83 100
85 64.6 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.283 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Tgt Ion: 62 Resp: 95449
Ion Ratio Lower Upper
62 100
98 10.4 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.164 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

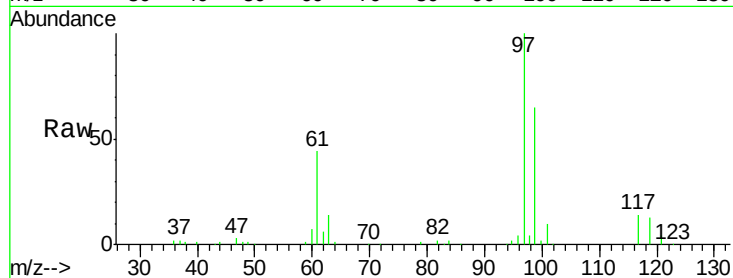
Tgt Ion: 97 Resp: 130878

Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

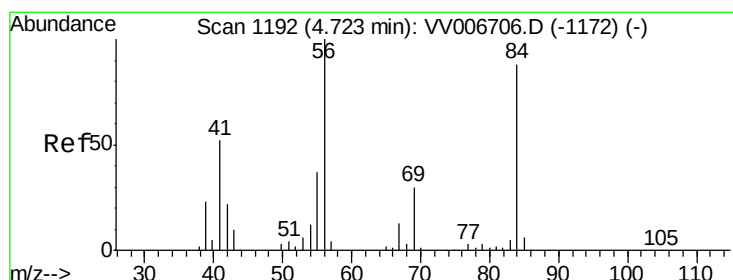
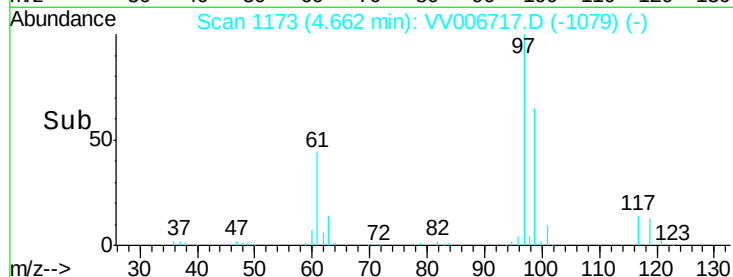
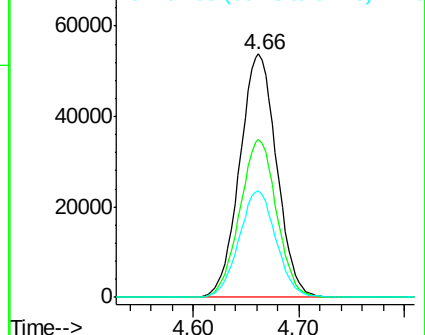
61 44.0 34.9 52.3



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: 4.865 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

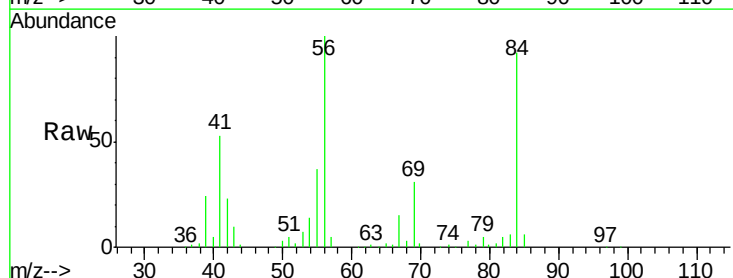
Tgt Ion: 56 Resp: 138051

Ion Ratio Lower Upper

56 100

69 30.9 24.6 36.8

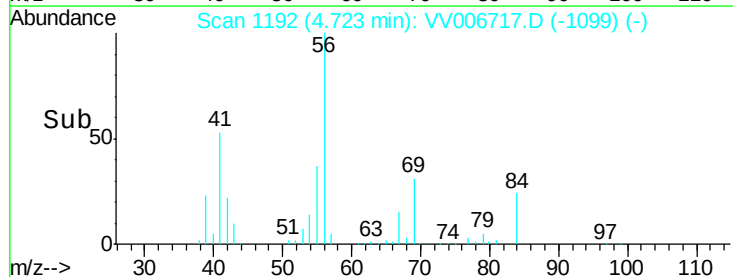
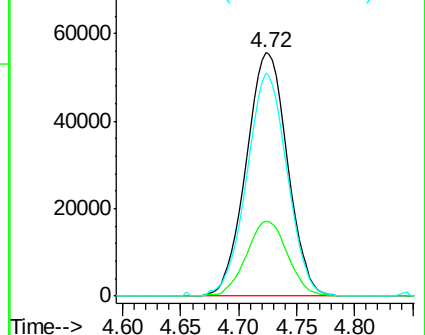
84 89.7 71.4 107.2

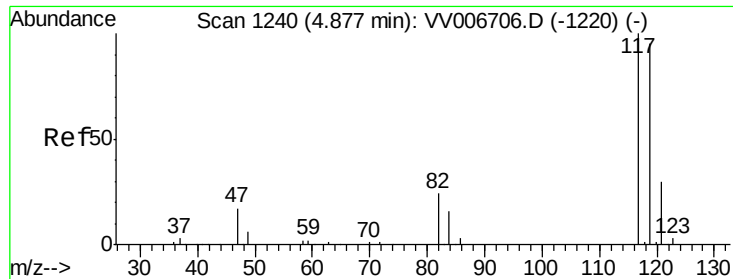


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.160 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

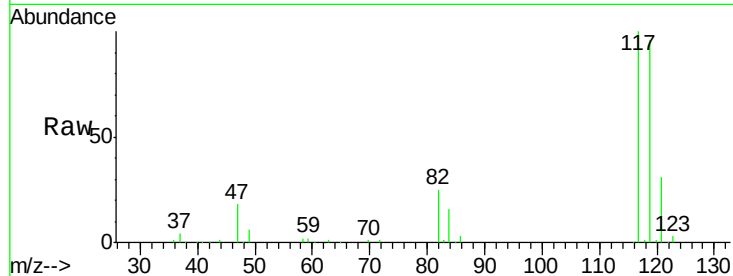
VSTD00562

Tgt Ion:117 Resp: 111778

Ion Ratio Lower Upper

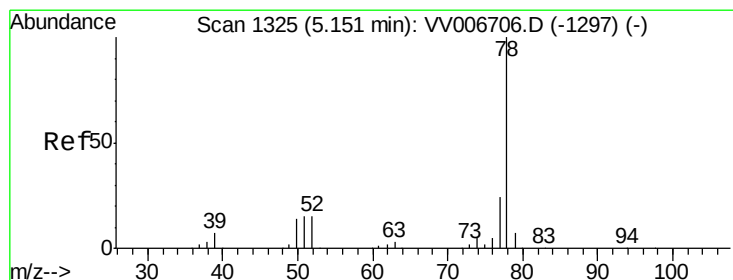
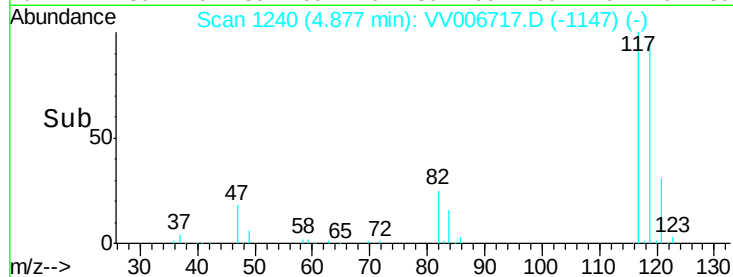
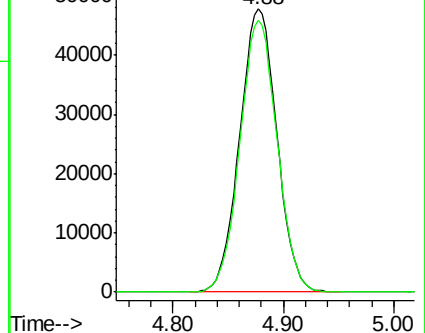
117 100

119 95.7 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.275 ug/L

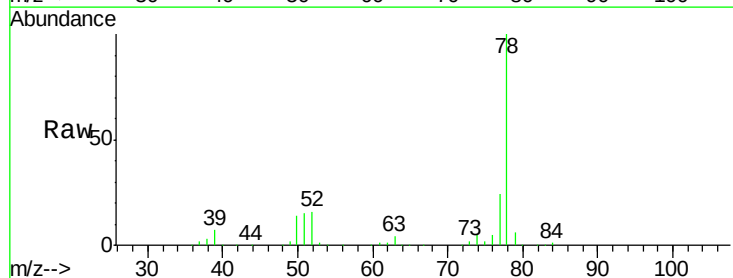
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

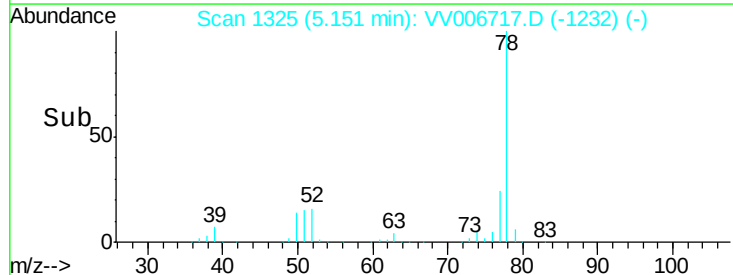
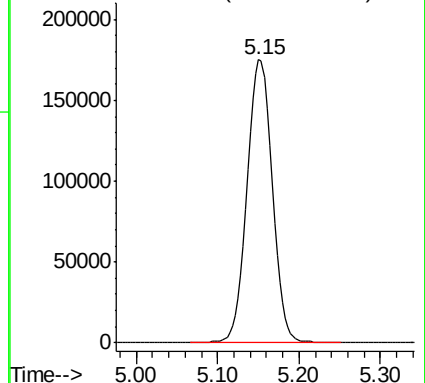
Lab File: VV006717.D

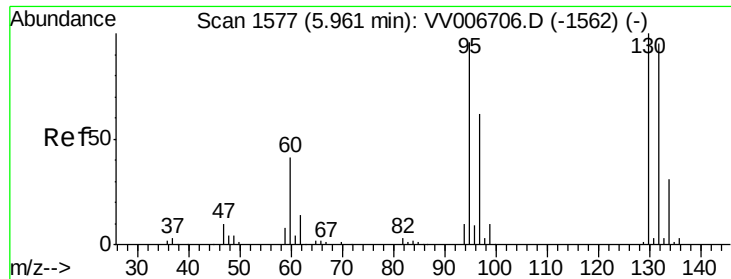
Acq: 26 Jul 2018 21:05

Tgt Ion: 78 Resp: 373547



Abundance Ion 78.10 (77.80 to 78.80): VV0

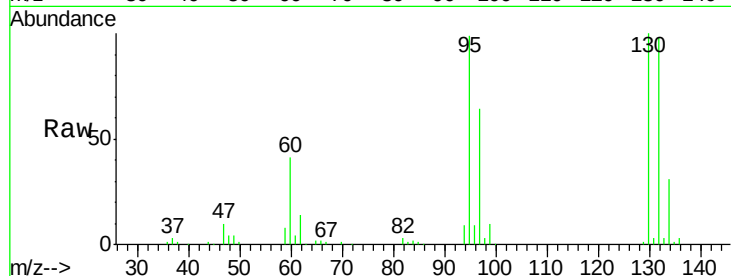




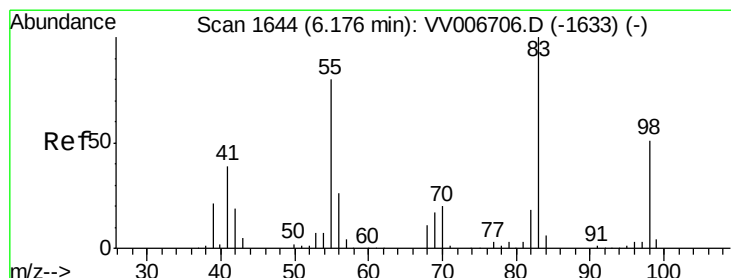
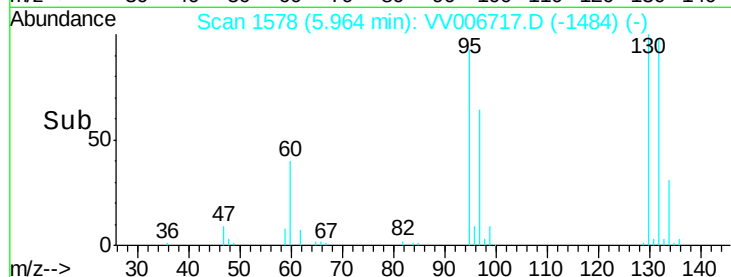
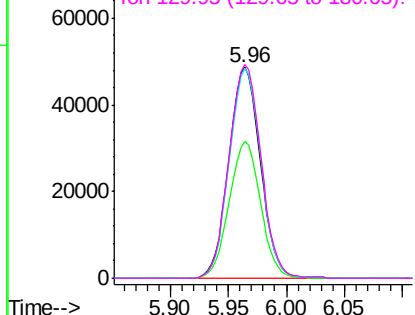
#34
 Trichloroethene
 Concen: 5.134 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion: 95 Resp: 91788
 Ion Ratio Lower Upper
 95 100
 97 65.2 44.9 83.3
 132 99.7 68.9 127.9
 130 101.4 73.4 136.4

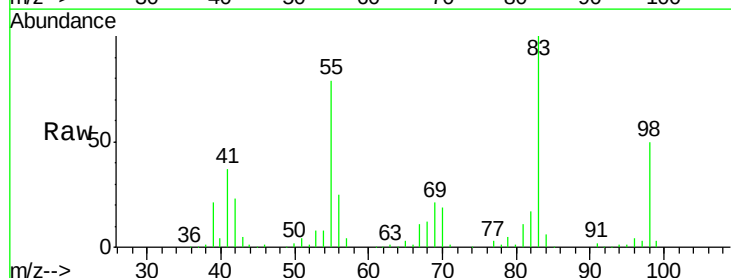


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

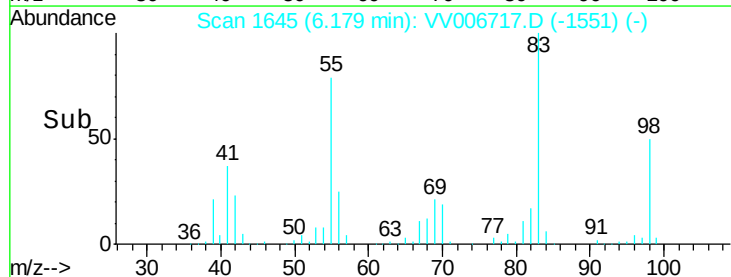
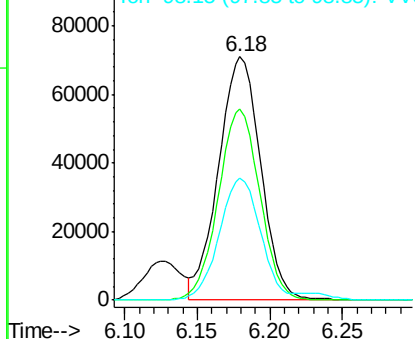


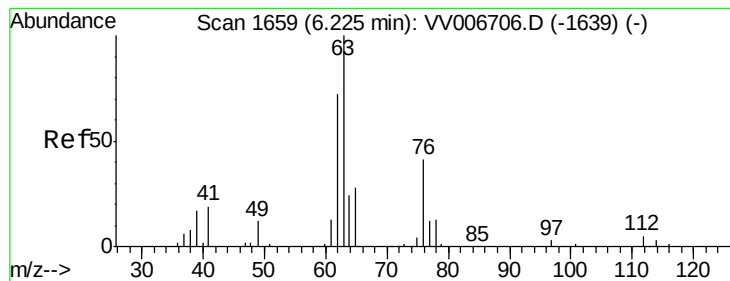
#35
 Methylcyclohexane
 Concen: 4.804 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Tgt Ion: 83 Resp: 143461
 Ion Ratio Lower Upper
 83 100
 55 77.6 61.9 92.9
 98 49.3 39.7 59.5



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.199 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

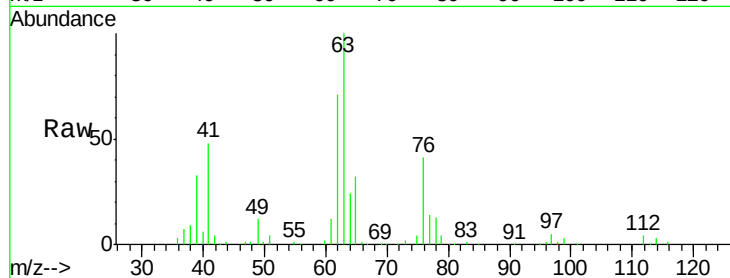
VSTD00562

Tgt Ion: 63 Resp: 94522

Ion Ratio Lower Upper

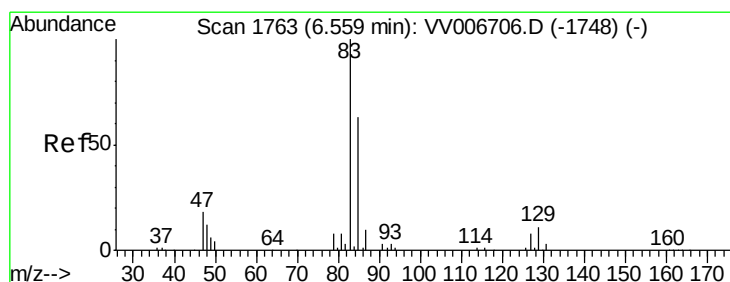
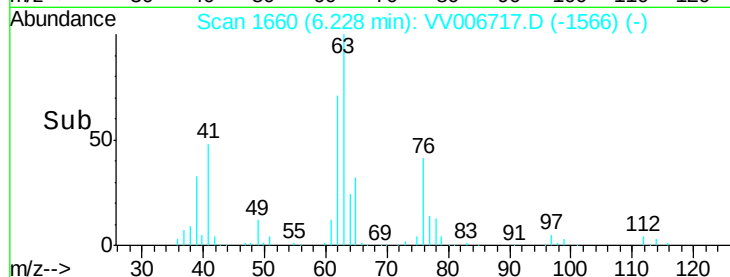
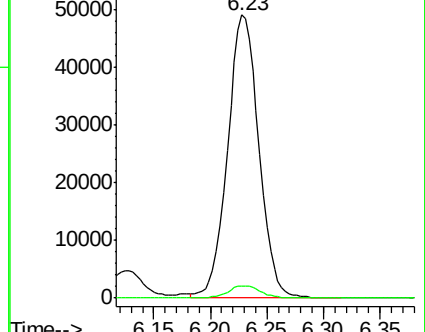
63 100

112 4.6 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV006717.D (-1660) (-)

Ion 112.10 (111.80 to 112.80): VV006717.D (-1660) (-)



#38

Bromodichloromethane

Concen: 5.242 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

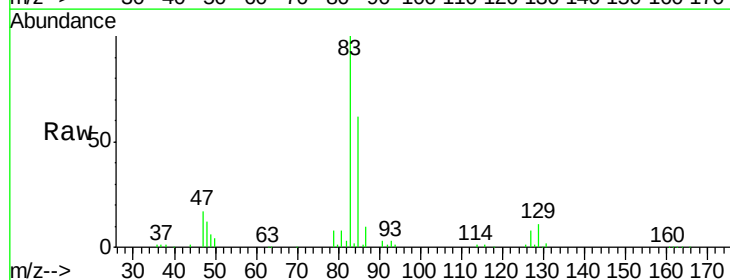
Tgt Ion: 83 Resp: 106441

Ion Ratio Lower Upper

83 100

85 62.0 44.4 82.4

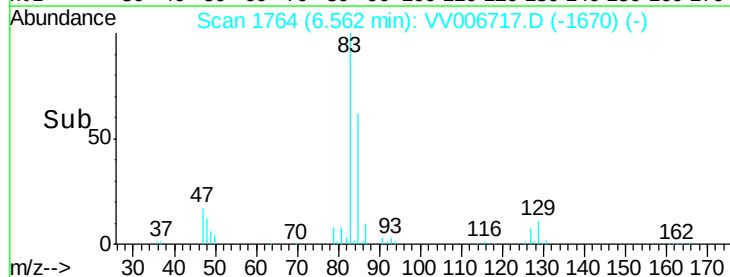
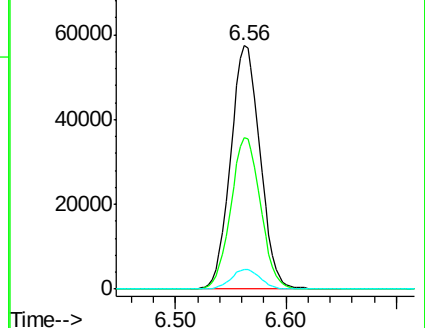
127 8.1 6.6 9.8

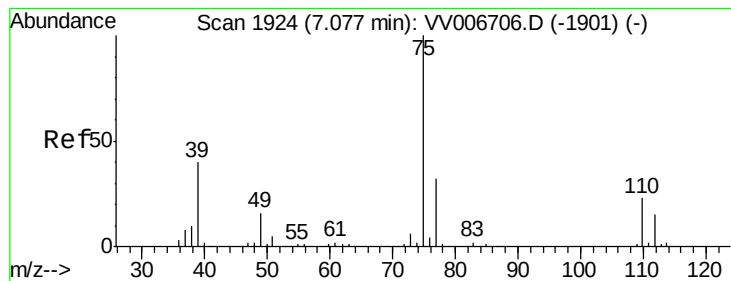


Abundance Ion 82.95 (82.65 to 83.65): VV006717.D (-1764) (-)

Ion 85.00 (84.70 to 85.70): VV006717.D (-1764) (-)

Ion 126.90 (126.60 to 127.60): VV006717.D (-1764) (-)



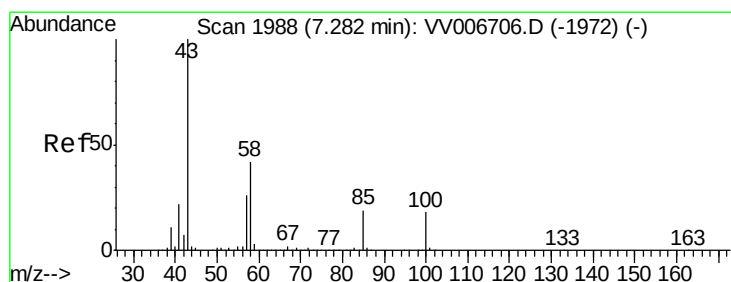
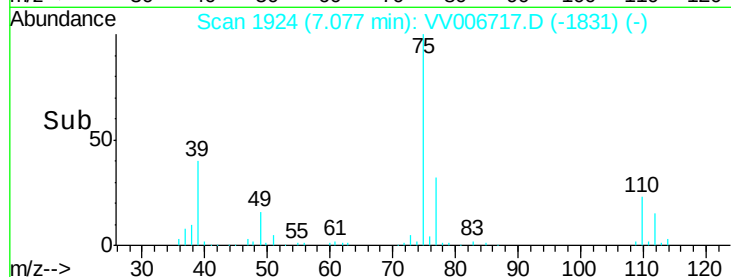
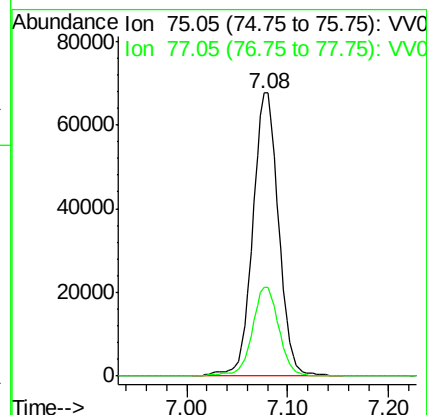
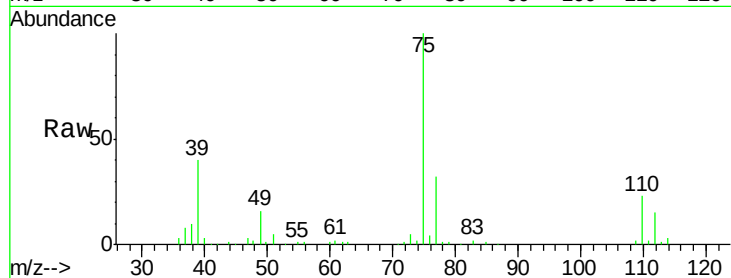


#39

cis-1,3-Dichloropropene
Concen: 5.031 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

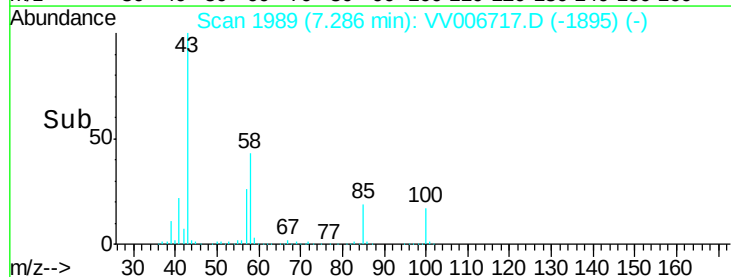
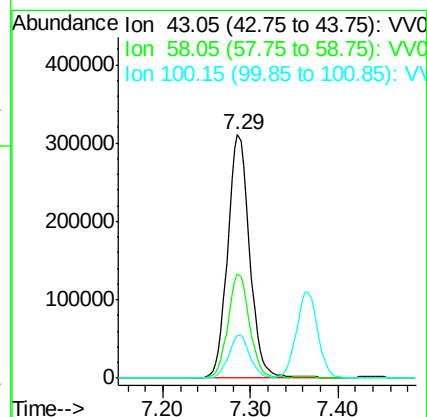
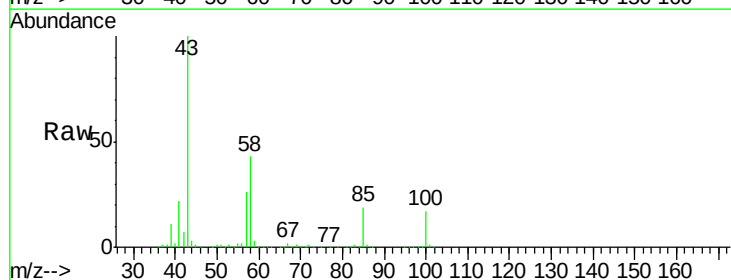
Tgt Ion: 75 Resp: 119132
Ion Ratio Lower Upper
75 100
77 31.5 22.0 40.8

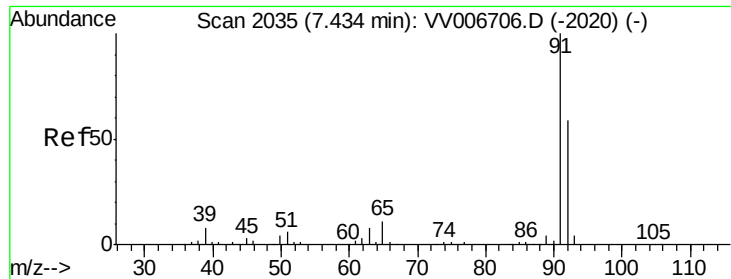


#40

4-Methyl-2-pentanone
Concen: 54.325 ug/L
RT: 7.29 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Tgt Ion: 43 Resp: 542890
Ion Ratio Lower Upper
43 100
58 41.7 33.4 50.0
100 17.0 13.6 20.4





#42

Toluene

Concen: 5.267 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

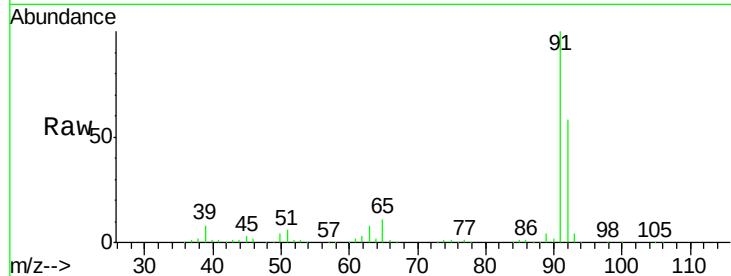
VSTD00562

Tgt Ion: 91 Resp: 384111

Ion Ratio Lower Upper

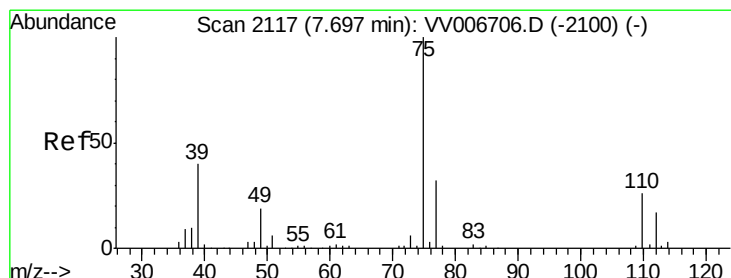
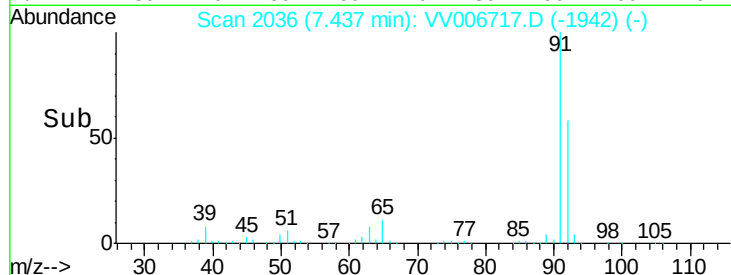
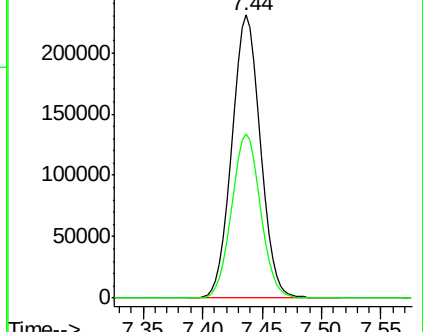
91 100

92 58.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.101 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006717.D

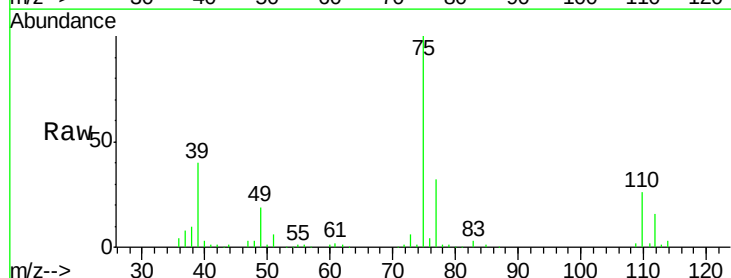
Acq: 26 Jul 2018 21:05

Tgt Ion: 75 Resp: 94982

Ion Ratio Lower Upper

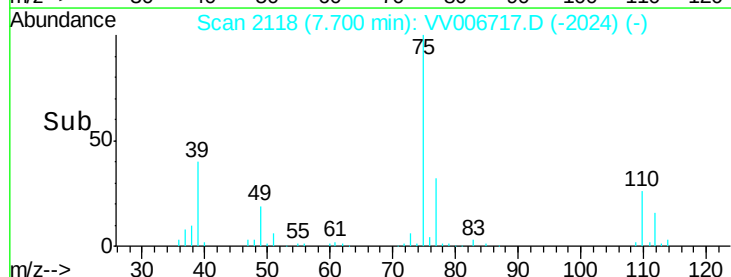
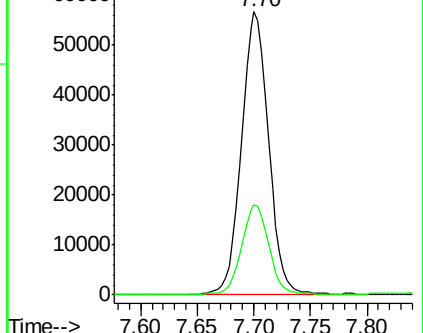
75 100

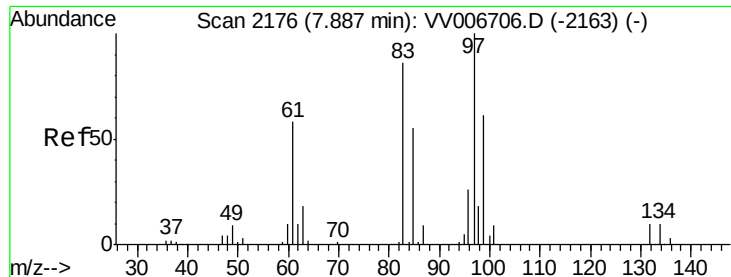
77 32.0 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.302 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion: 97 Resp: 64920

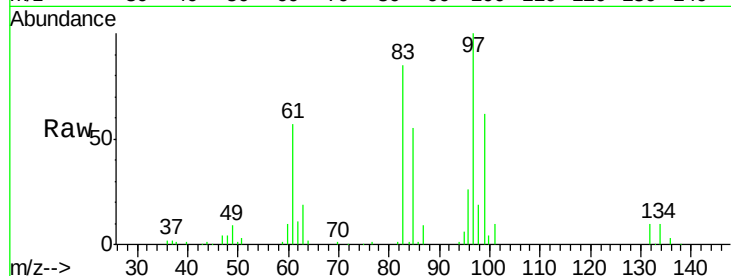
Ion Ratio Lower Upper

97 100

99 62.4 43.0 79.8

83 84.8 59.4 110.4

85 54.8 37.5 69.7

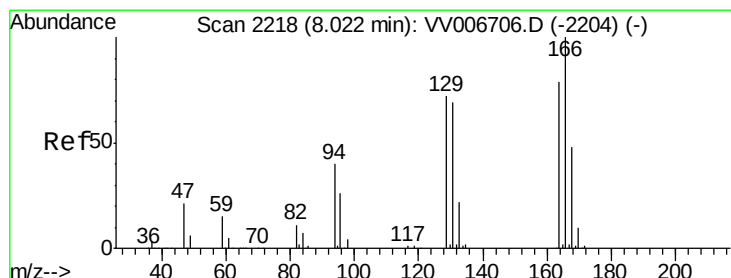
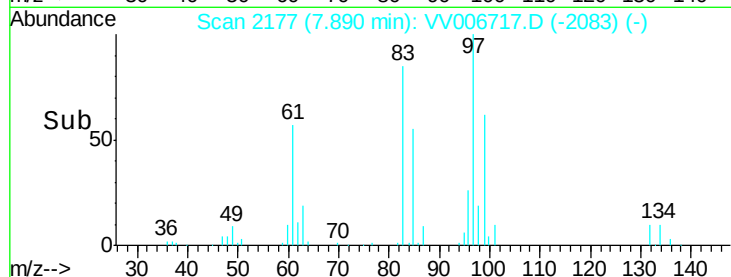
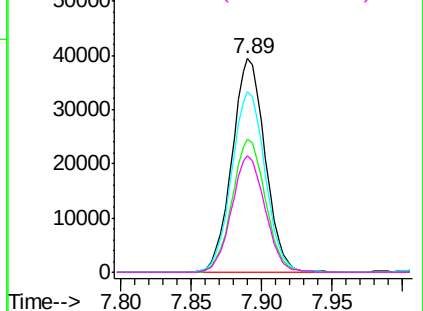


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.133 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Tgt Ion: 164 Resp: 72892

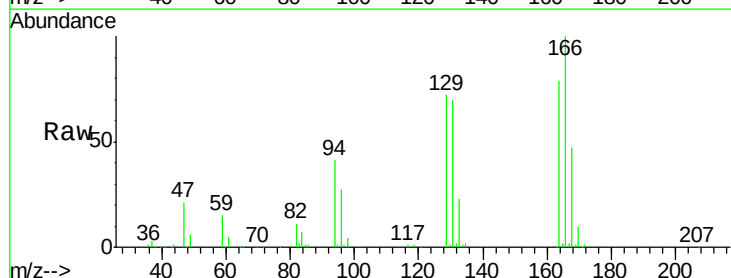
Ion Ratio Lower Upper

164 100

129 91.4 65.0 120.8

131 88.4 61.9 115.1

166 126.8 89.3 165.9

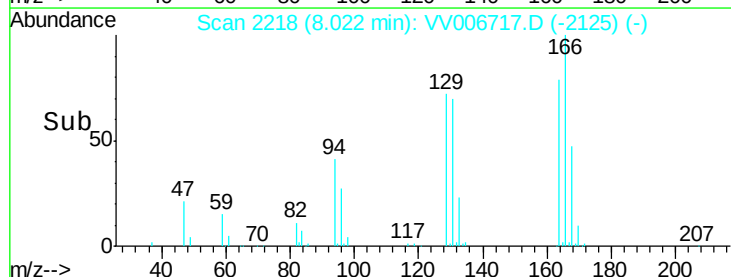
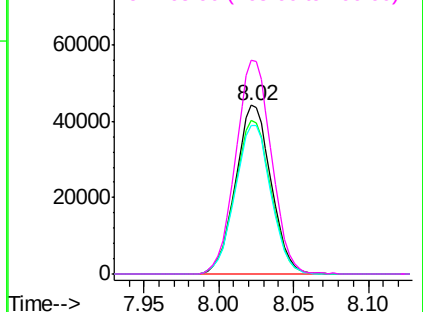


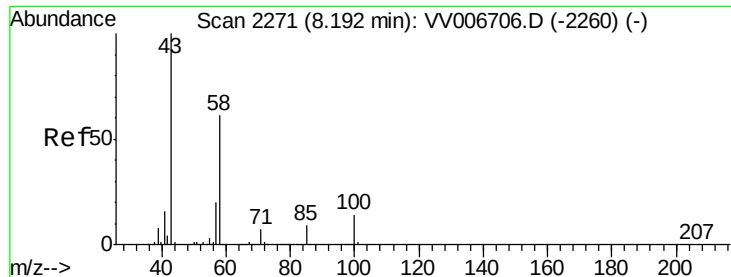
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

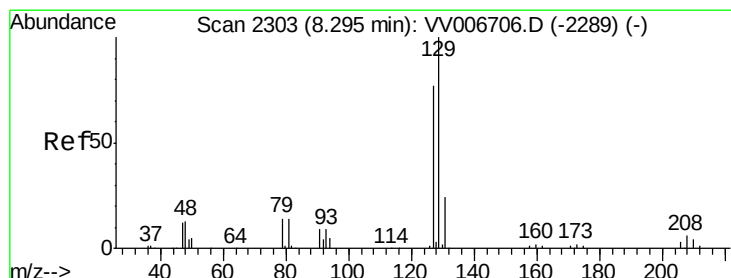
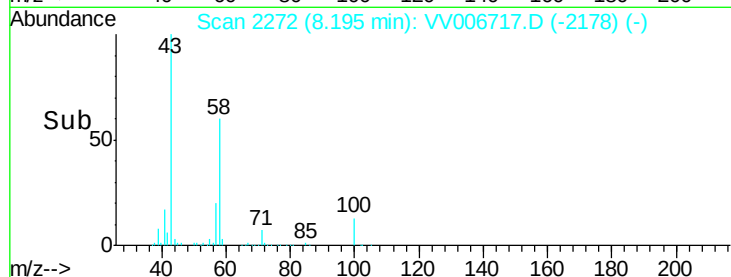
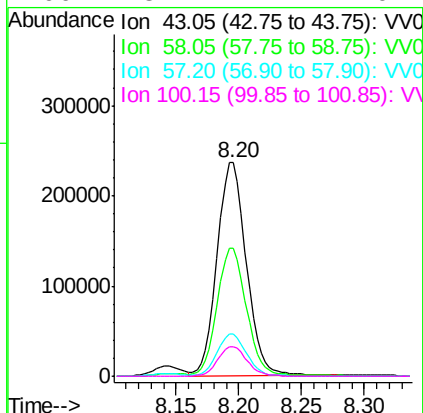
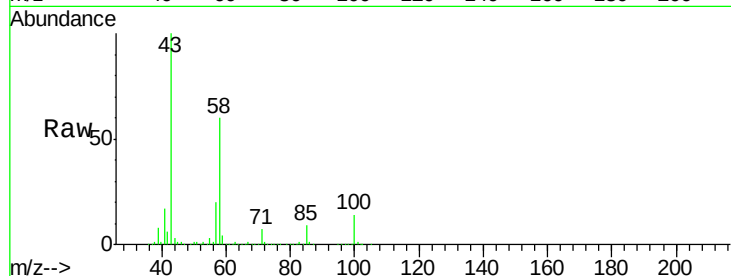




#48
2-Hexanone
Concen: 55.040 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

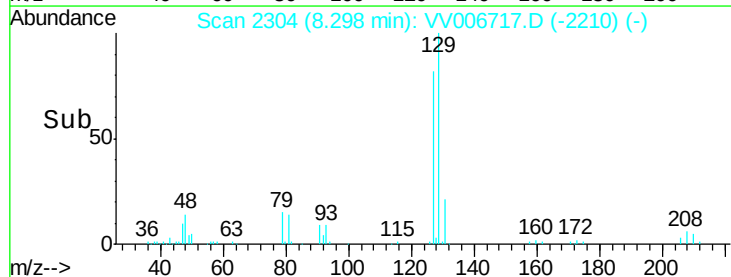
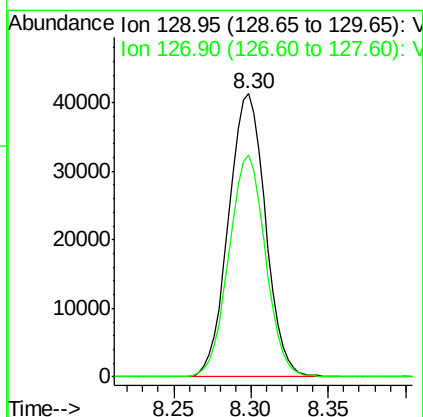
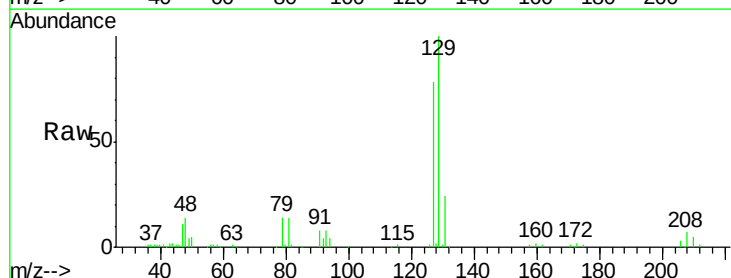
Instrument :
MSVOA_V
ClientSampled :
VSTD00562

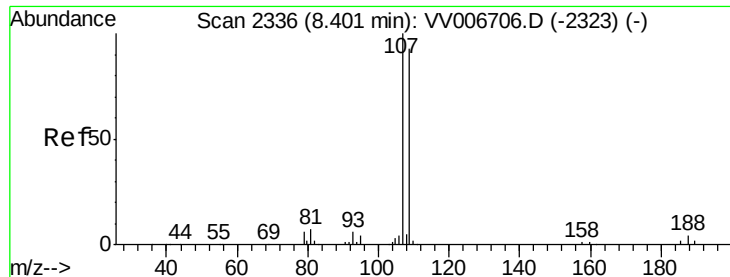
Tgt Ion: 43 Resp: 383795
Ion Ratio Lower Upper
43 100
58 60.5 47.2 70.8
57 20.1 16.1 24.1
100 13.7 11.1 16.7



#49
Dibromochloromethane
Concen: 5.278 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Tgt Ion: 129 Resp: 68386
Ion Ratio Lower Upper
129 100
127 78.2 53.5 99.5

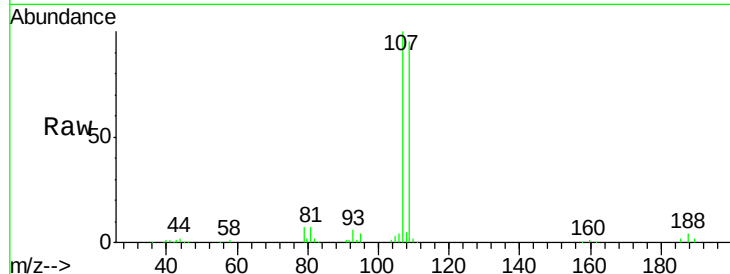




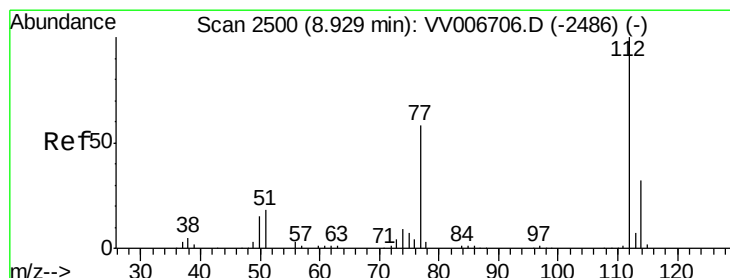
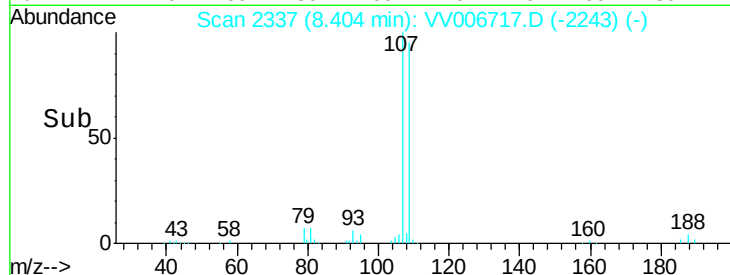
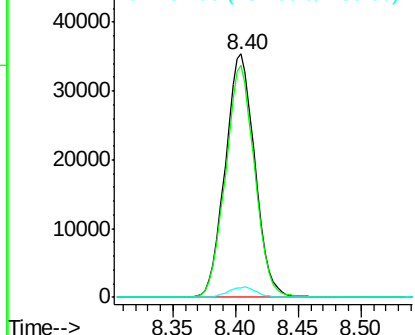
#50
1,2-Dibromoethane
Concen: 5.318 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:107 Resp: 58188
Ion Ratio Lower Upper
107 100
109 95.2 66.8 124.0
188 4.1 3.1 4.7

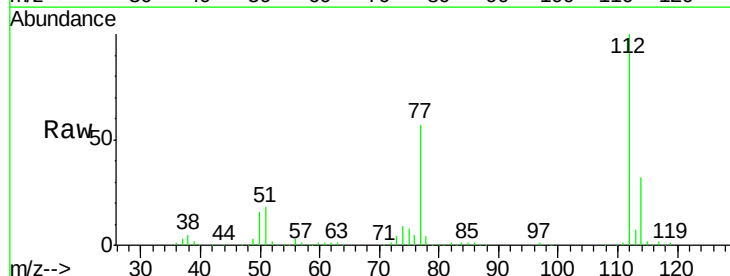


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

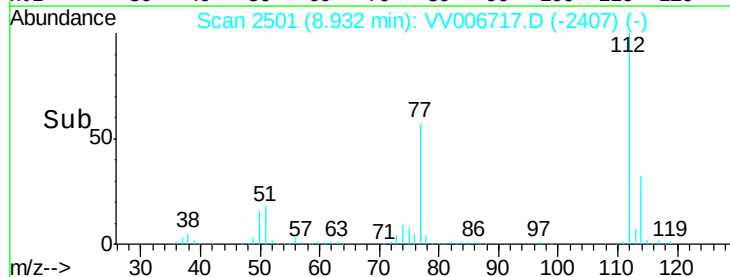
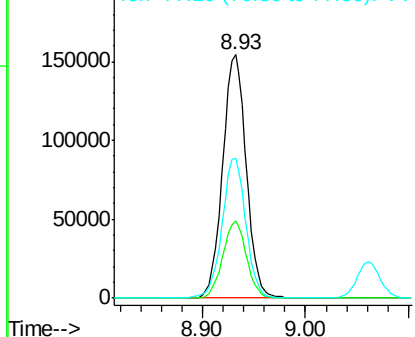


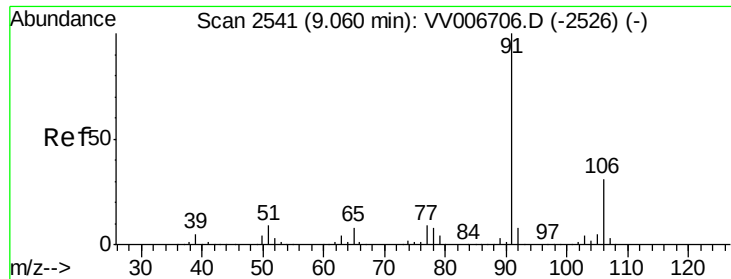
#51
Chlorobenzene
Concen: 5.187 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Tgt Ion:112 Resp: 246009
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.9
77 57.5 46.2 69.2



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

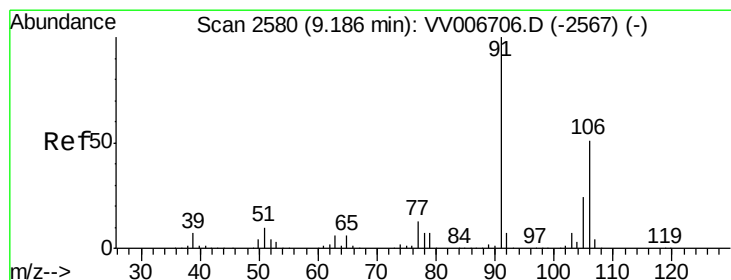
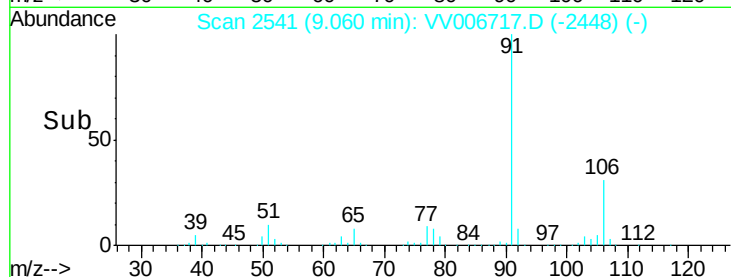
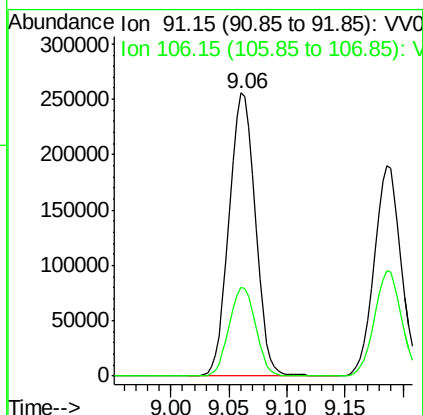
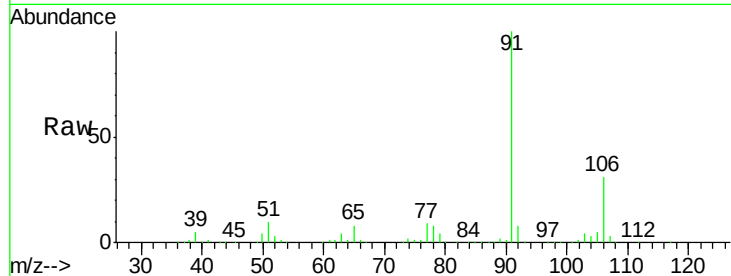




#52
Ethylbenzene
Concen: 5.151 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. -0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

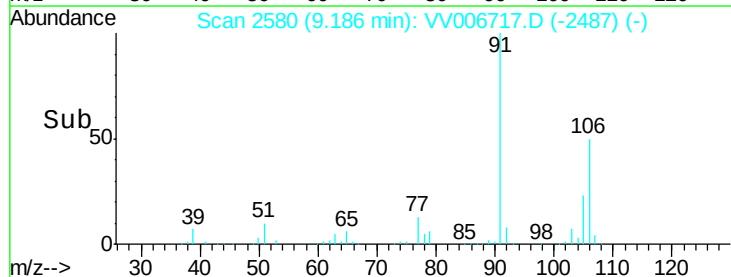
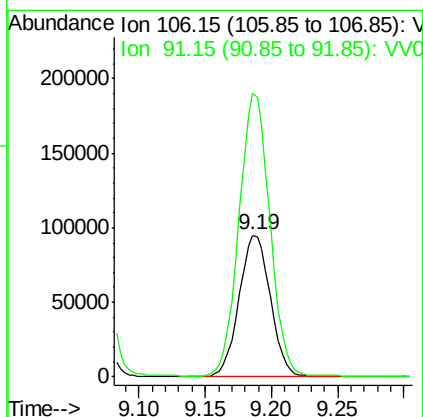
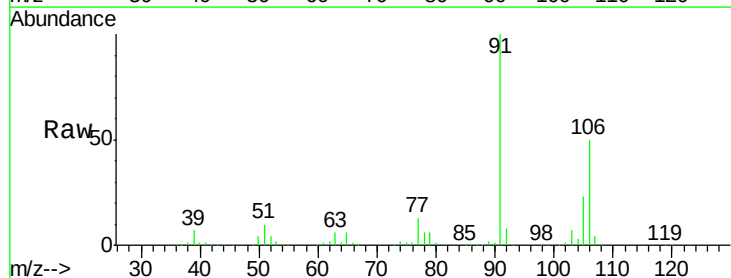
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

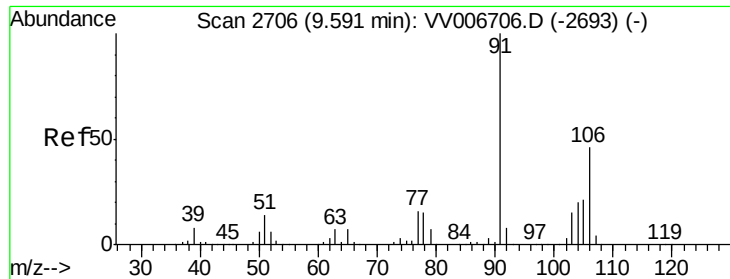
Tgt Ion: 91 Resp: 400408
Ion Ratio Lower Upper
91 100
106 31.3 21.8 40.6



#53
m,p-xylene
Concen: 5.335 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. -0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Tgt Ion: 106 Resp: 156552
Ion Ratio Lower Upper
106 100
91 200.2 140.3 260.5

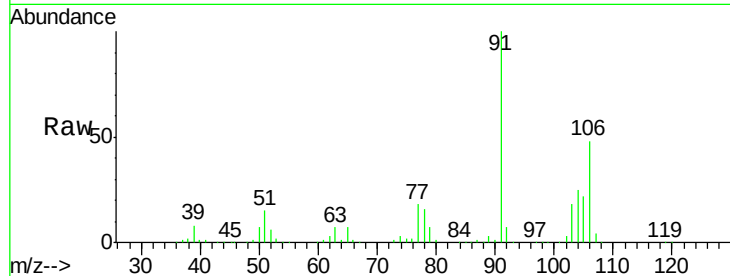




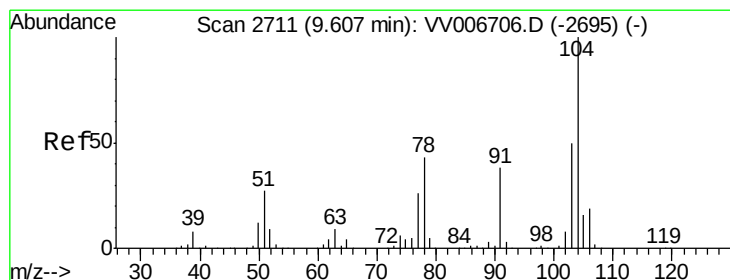
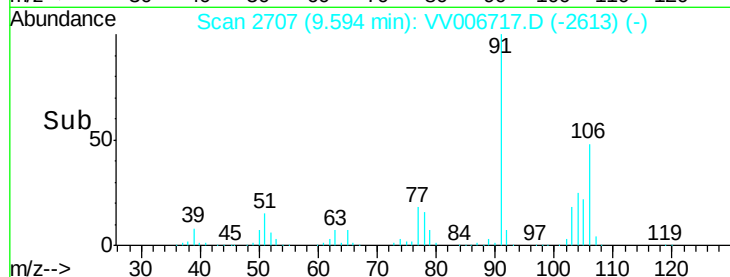
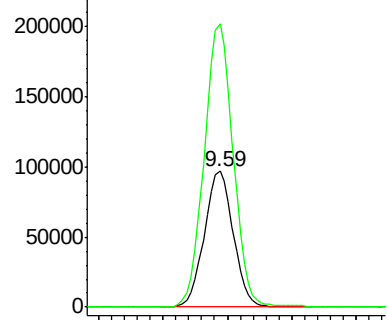
#54
o-xylene
Concen: 5.262 ug/L
RT: 9.59 min Scan# 2707
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion:106 Resp: 150420
Ion Ratio Lower Upper
106 100
91 208.7 146.0 271.2

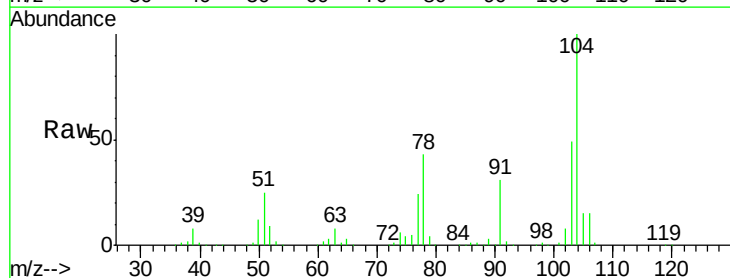


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

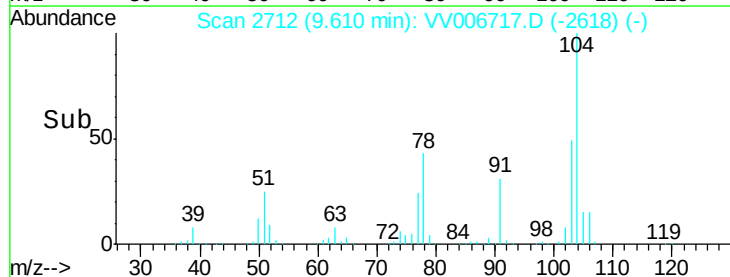
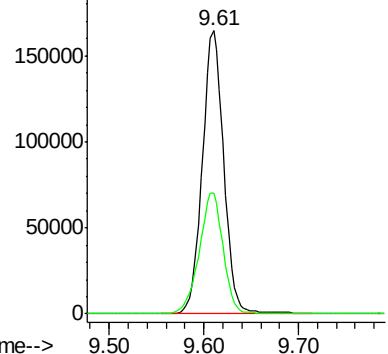


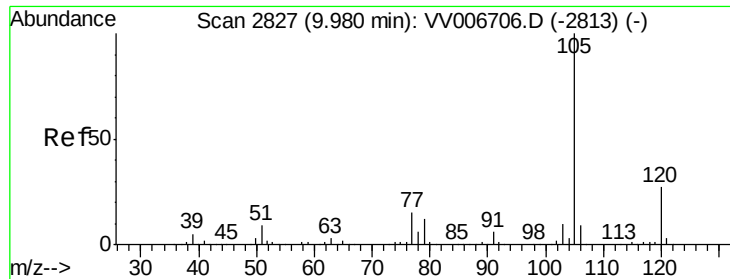
#55
Styrene
Concen: 5.395 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. 0.00 min
Lab File: VV006717.D
Acq: 26 Jul 2018 21:05

Tgt Ion:104 Resp: 260117
Ion Ratio Lower Upper
104 100
78 42.7 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.221 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

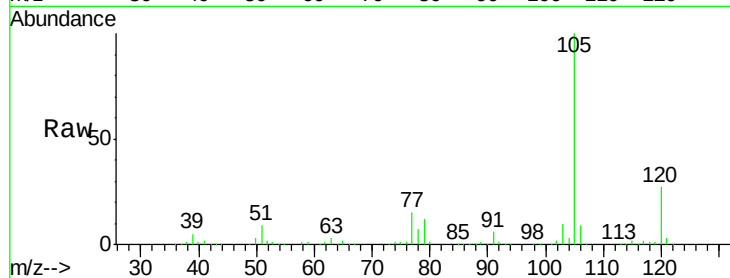
Tgt Ion: 105 Resp: 387620

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

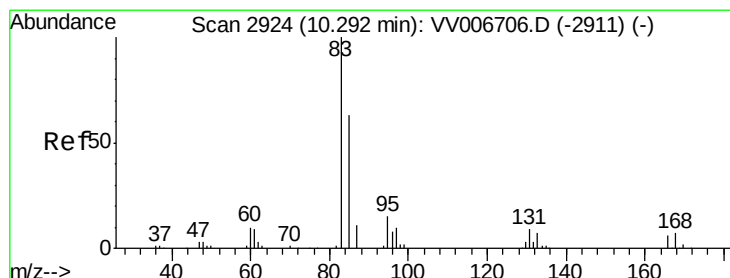
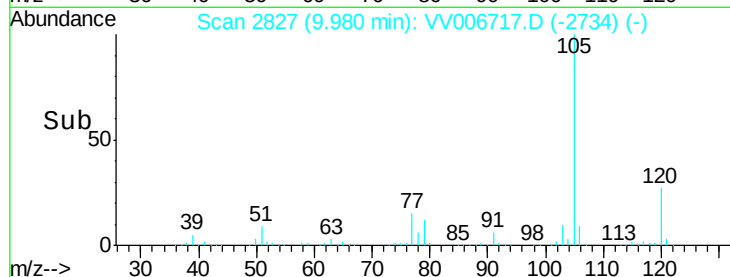
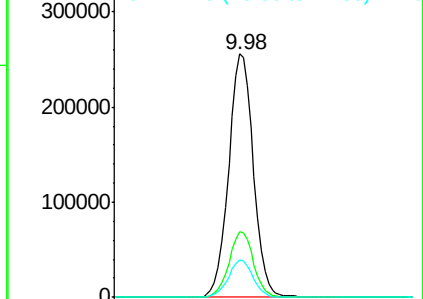
77 15.3 12.2 18.2



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: 5.084 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

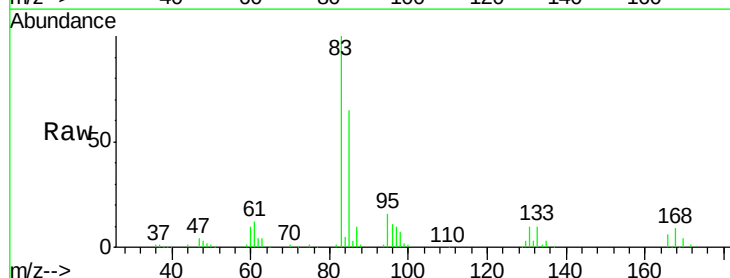
Tgt Ion: 83 Resp: 76152

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

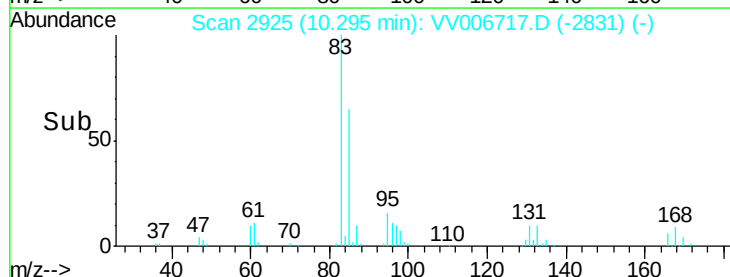
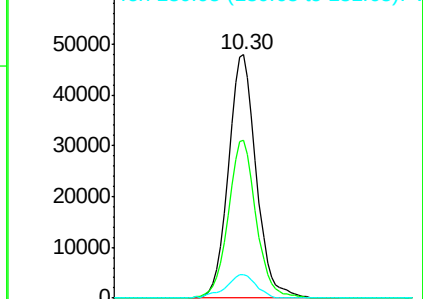
131 9.8 8.0 12.0

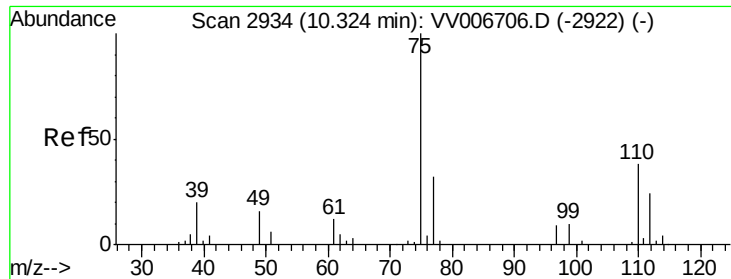


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.253 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

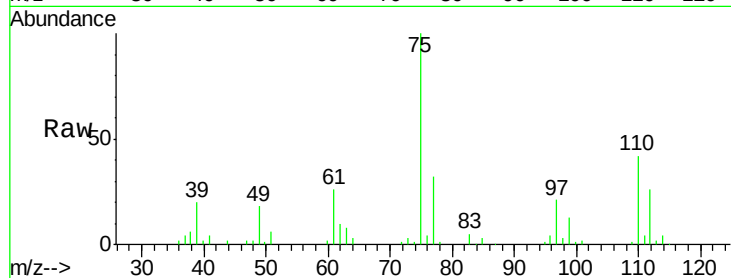
VSTD00562

Tgt Ion: 75 Resp: 56209

Ion Ratio Lower Upper

75 100

77 32.4 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV006717.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006717.D (-2922) (-)

10.33

40000

30000

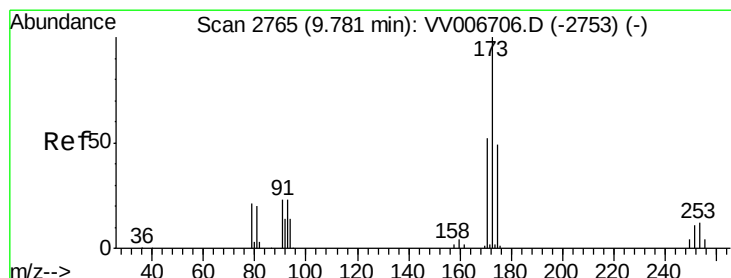
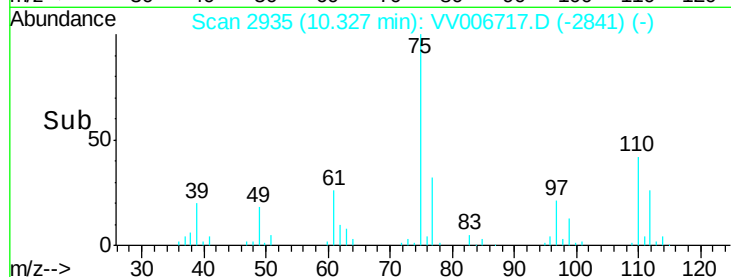
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 5.107 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

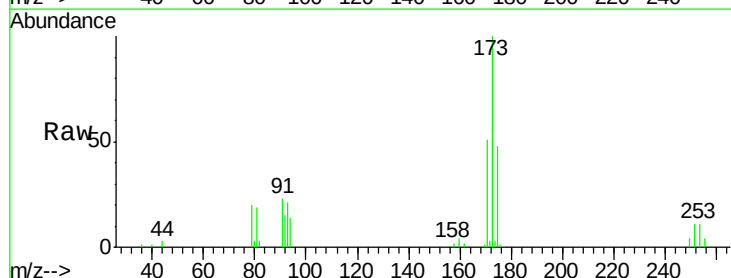
Tgt Ion: 173 Resp: 34314

Ion Ratio Lower Upper

173 100

175 48.5 39.1 58.7

254 10.5 9.1 13.7



Abundance Ion 172.90 (172.60 to 173.60): VV006717.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006717.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006717.D (-2753) (-)

9.78

25000

20000

15000

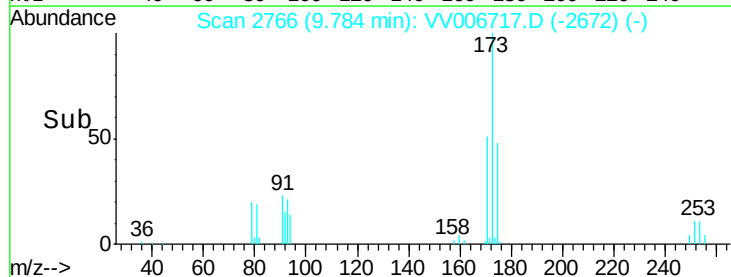
10000

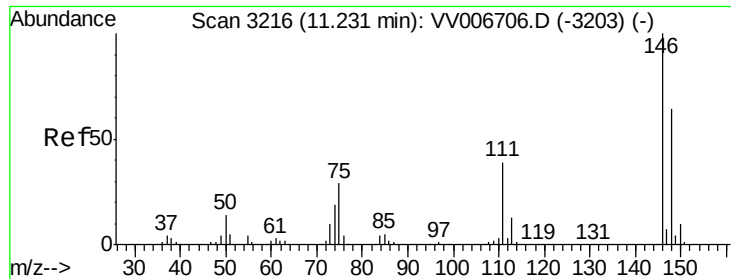
5000

0

Time-->

9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.076 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

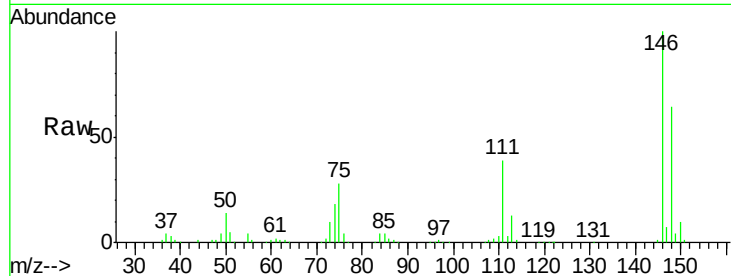
Tgt Ion:146 Resp: 173455

Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

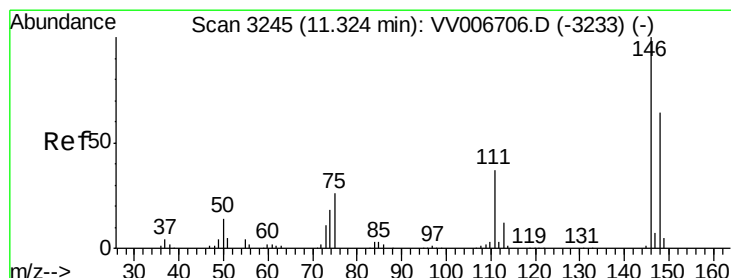
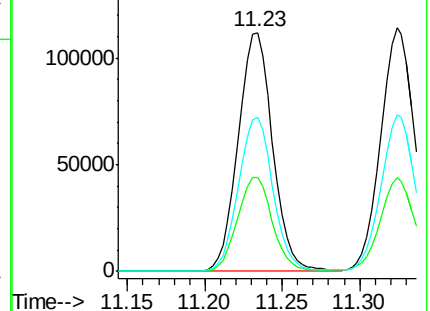
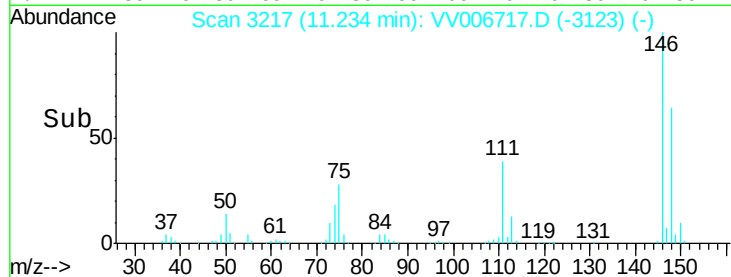
148 64.4 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.118 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

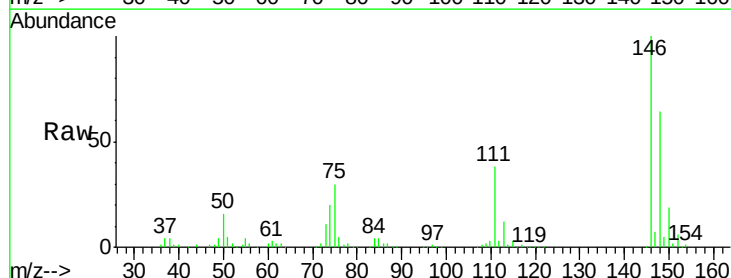
Tgt Ion:146 Resp: 178222

Ion Ratio Lower Upper

146 100

111 38.4 27.0 50.2

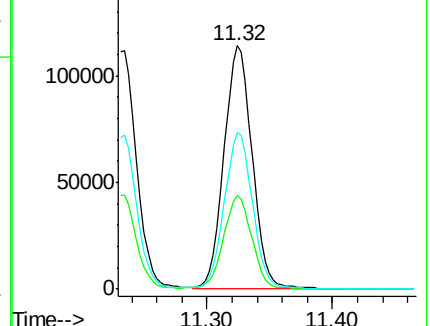
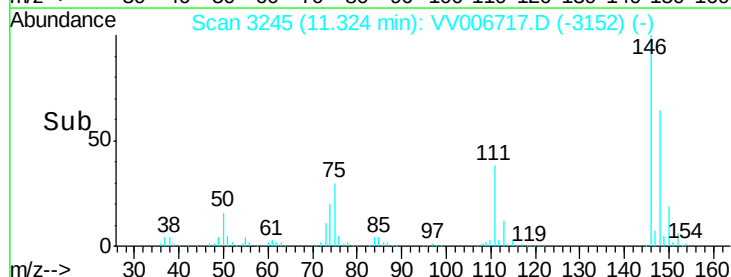
148 64.4 45.1 83.7

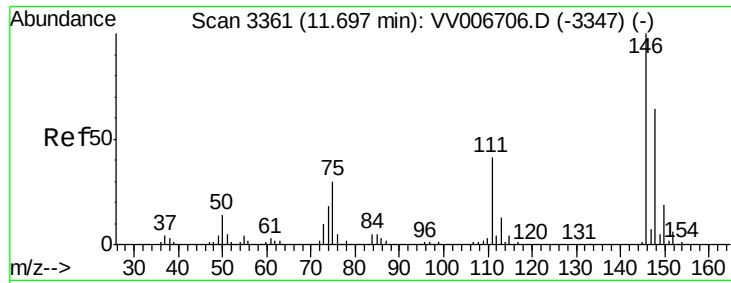


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

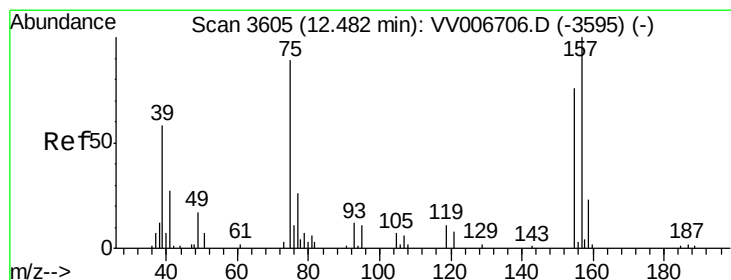
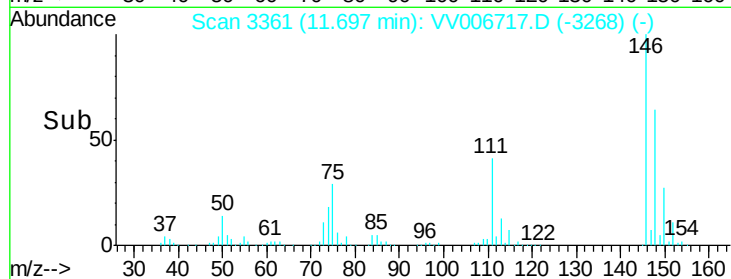
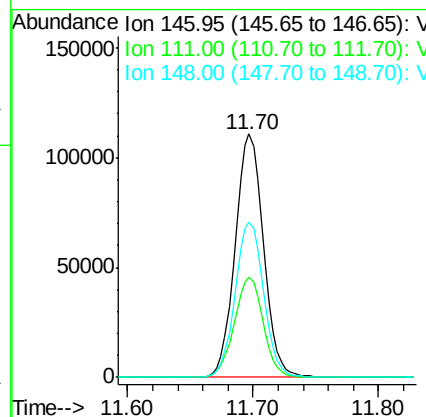
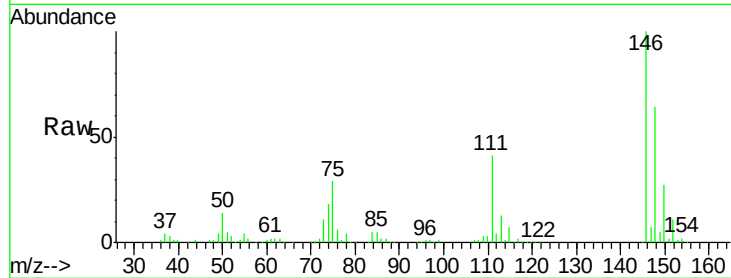




#65
 1,2-Dichlorobenzene
 Concen: 5.214 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

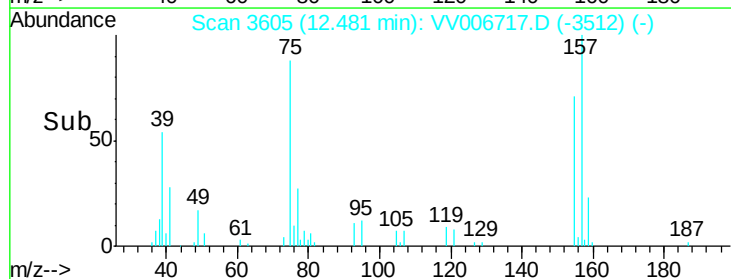
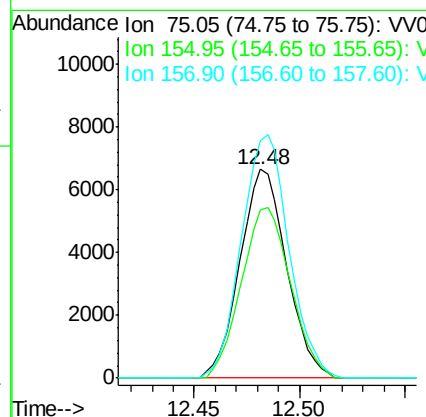
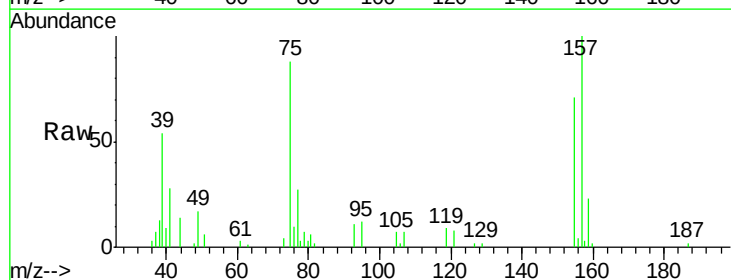
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

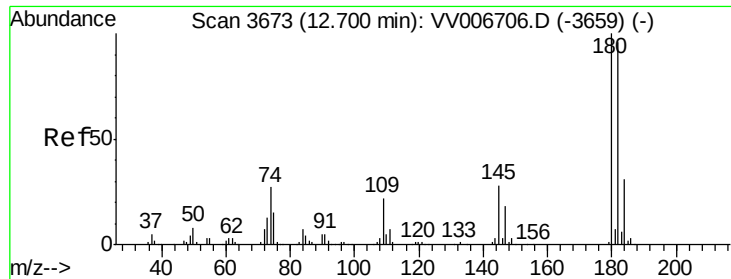
Tgt Ion: 146 Resp: 173533
 Ion Ratio Lower Upper
 146 100
 111 41.2 32.9 49.3
 148 63.9 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.139 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Tgt Ion: 75 Resp: 10237
 Ion Ratio Lower Upper
 75 100
 155 80.5 68.8 103.2
 157 113.5 85.6 128.4

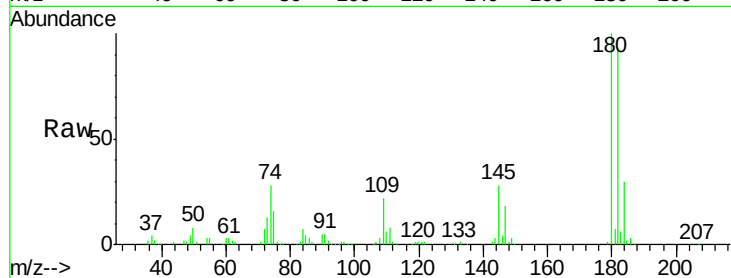




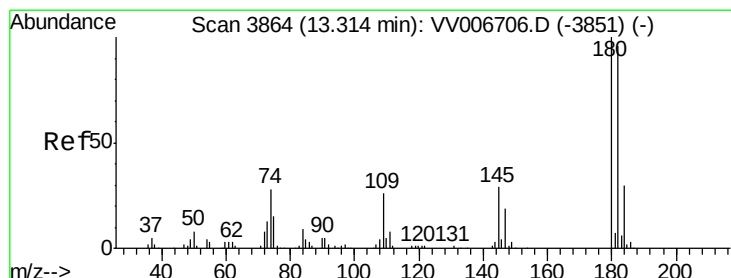
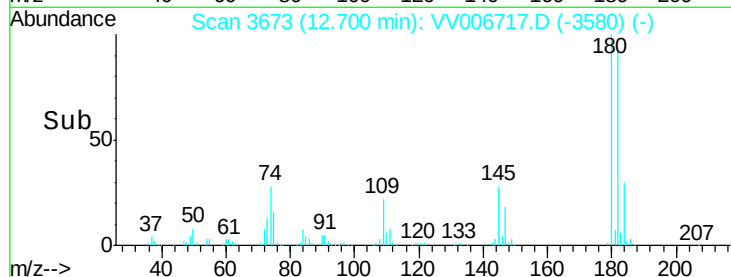
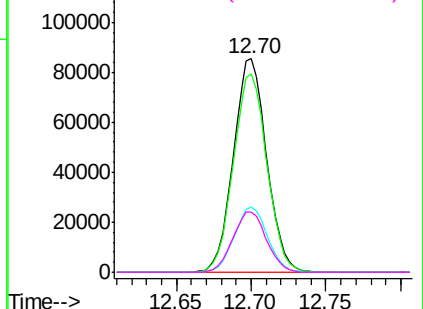
#67
 1,3,5-Trichlorobenzene
 Concen: 5.055 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion:180 Resp: 131872
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.8 115.2
 184 30.5 24.6 37.0
 145 28.7 22.8 34.2

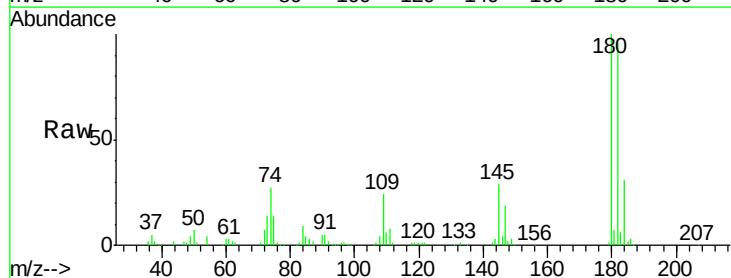


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

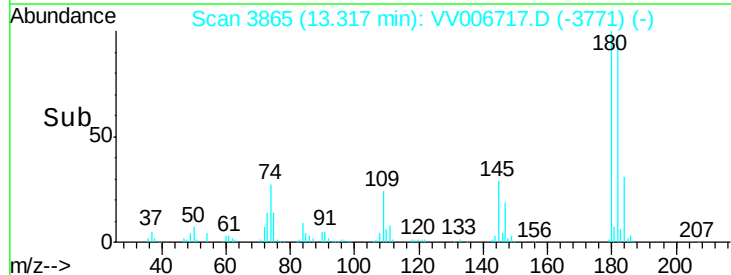
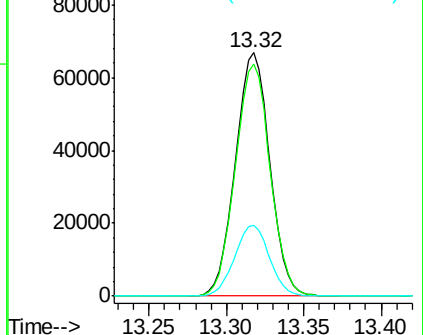


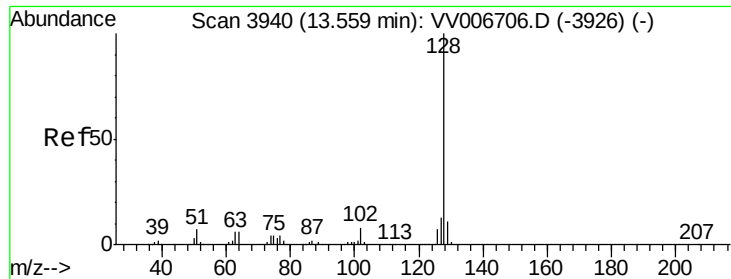
#68
 1,2,4-trichlorobenzene
 Concen: 4.988 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006717.D
 Acq: 26 Jul 2018 21:05

Tgt Ion:180 Resp: 103368
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.2 114.4
 145 29.3 23.4 35.0



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: 5.146 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

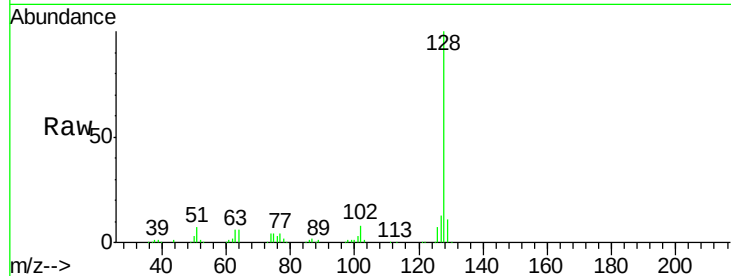
Tgt Ion:128 Resp: 182493

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

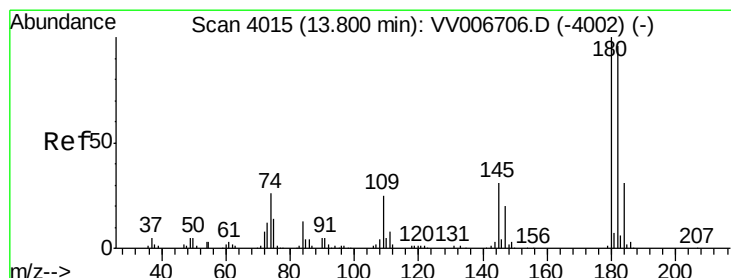
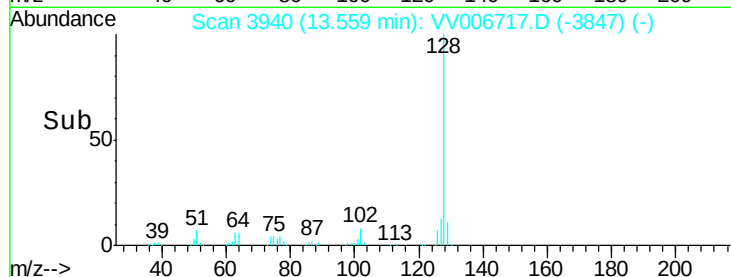
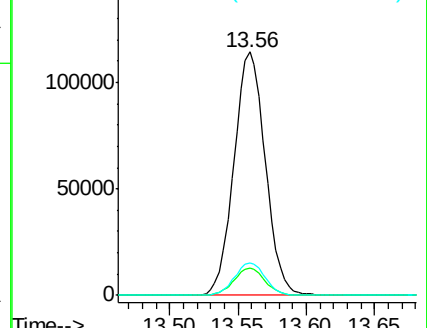
127 13.2 10.3 15.5



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: 5.253 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006717.D

Acq: 26 Jul 2018 21:05

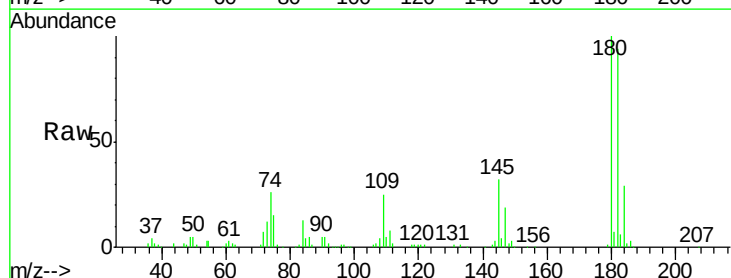
Tgt Ion:180 Resp: 103024

Ion Ratio Lower Upper

180 100

182 95.3 75.3 112.9

145 32.1 24.5 36.7



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

