

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072318\
 Data File : VV006695.D
 Acq On : 23 Jul 2018 12:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Quant Time: Jul 24 02:10:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:05:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	259334	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	241030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	119005	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	38191	2.83	ug/L	0.00
7) Chloroethane-d5	1.57	69	44450	4.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	107813	4.07	ug/L	0.00
20) 2-Butanone-d5	3.95	46	119383	28.31	ug/L	0.00
24) Chloroform-d	4.40	84	122321	4.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	58814	4.76	ug/L	0.00
32) Benzene-d6	5.10	84	240094	4.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	82216	4.91	ug/L	0.00
41) Toluene-d8	7.36	98	215277	4.97	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	22112	4.05	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	168839	48.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	65914	4.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	82552	4.65	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	67689	3.28	ug/L	# 81
3) Chloromethane	1.26	50	74273	3.75	ug/L	98
5) Vinyl chloride	1.32	62	99463	4.01	ug/L	99
6) Bromomethane	1.52	94	21539	3.55	ug/L	96
8) Chloroethane	1.59	64	59075	4.35	ug/L	99
9) Trichlorofluoromethane	1.77	101	135391	4.76	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	89780	5.18	ug/L	99
12) 1,1-Dichloroethene	2.14	96	76667	4.51	ug/L	99
13) Acetone	2.19	43	155950	58.12	ug/L	98
14) Carbon disulfide	2.32	76	181161	3.17	ug/L	99
15) Methyl Acetate	2.46	43	41389	5.20	ug/L	96
16) Methylene chloride	2.54	84	92772	4.76	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	230311	5.53	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	84279	4.57	ug/L	99
19) 1,1-Dichloroethane	3.23	63	177060	5.22	ug/L	99
21) 2-Butanone	4.03	43	267575	59.54	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	98957	5.14	ug/L	97
23) Bromochloromethane	4.30	128	40310	5.09	ug/L	97
25) Chloroform	4.43	83	176129	5.53	ug/L	98
27) 1,2-Dichloroethane	5.19	62	99231	5.31	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	138685	5.35	ug/L	100
30) Cyclohexane	4.72	56	127622	4.40	ug/L	99
31) Carbon tetrachloride	4.88	117	115930	5.23	ug/L	99
33) Benzene	5.15	78	369402	5.10	ug/L	100
34) Trichloroethene	5.96	95	91911	5.02	ug/L	99
35) Methylcyclohexane	6.18	83	140576	4.60	ug/L	99
37) 1,2-Dichloropropane	6.23	63	101341	5.45	ug/L	100
38) Bromodichloromethane	6.56	83	116801	5.62	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	129153	5.33	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	603629	59.03	ug/L	99

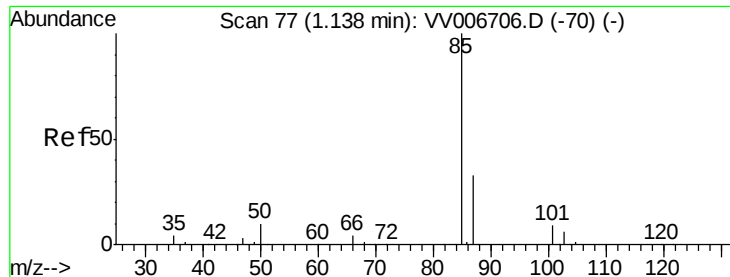
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072318\
 Data File : VV006695.D
 Acq On : 23 Jul 2018 12:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Quant Time: Jul 24 02:10:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:05:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	391482	5.25	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	105624	5.54	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	71979	5.75	ug/L	99
47) Tetrachloroethene	8.02	164	72736	5.01	ug/L	98
48) 2-Hexanone	8.19	43	439603	61.61	ug/L	98
49) Dibromochloromethane	8.30	129	76631	5.78	ug/L	98
50) 1,2-Dibromoethane	8.40	107	60743	5.43	ug/L	98
51) Chlorobenzene	8.93	112	263458	5.43	ug/L	99
52) Ethylbenzene	9.06	91	431688	5.43	ug/L	100
53) m,p-xylene	9.19	106	163757	5.45	ug/L	99
54) o-xylene	9.59	106	162123	5.54	ug/L	97
55) Styrene	9.61	104	285150	5.78	ug/L	99
56) Isopropylbenzene	9.98	105	438898	5.78	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	89666	5.85	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60304	5.51	ug/L	100
61) Bromoform	9.78	173	41174	5.69	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	203555	5.53	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	208450	5.56	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	201582	5.63	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11945	5.57	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	161827	5.76	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	131062	5.87	ug/L	100
69) Naphthalene	13.56	128	217608	5.70	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	123491	5.85	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 3.28 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

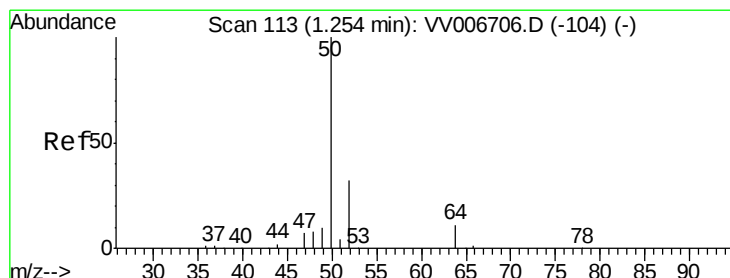
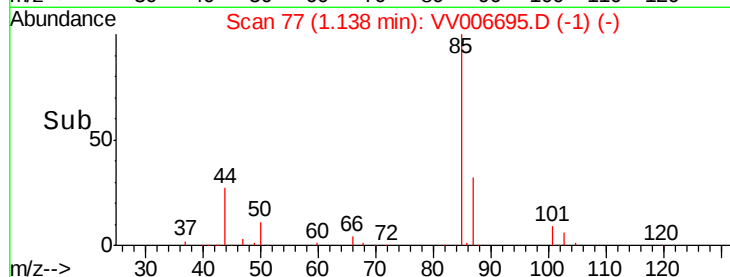
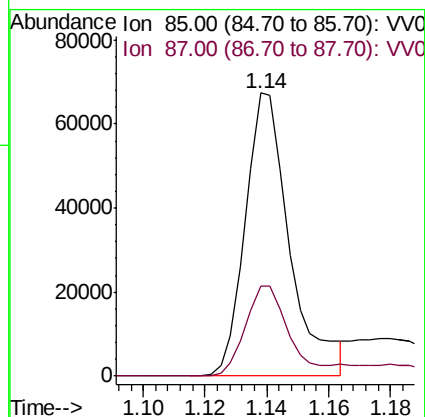
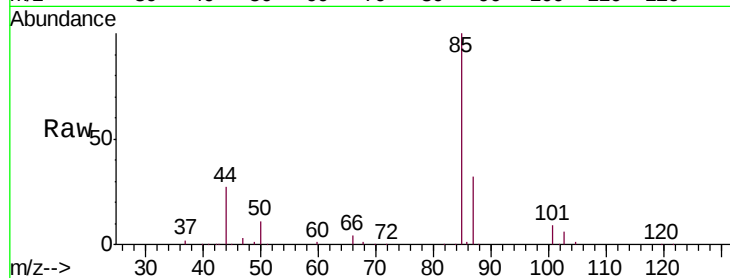
VSTD00575

Tot Ion: 85 Resp: 67689

Ion Ratio Lower Upper

85 100

87 34.3 19.9 29.9#



#3

Chloromethane

Concen: 3.75 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006695.D

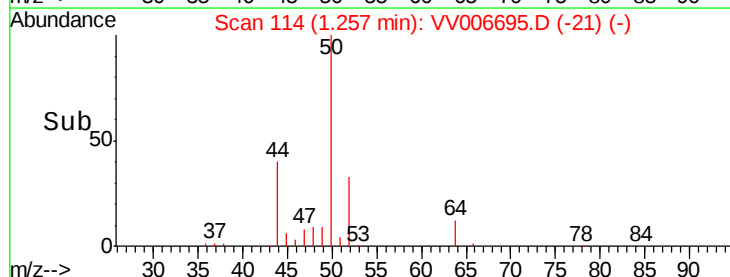
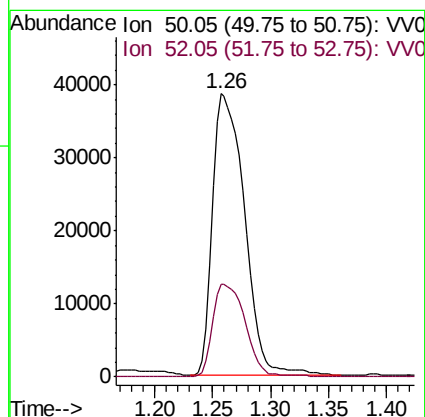
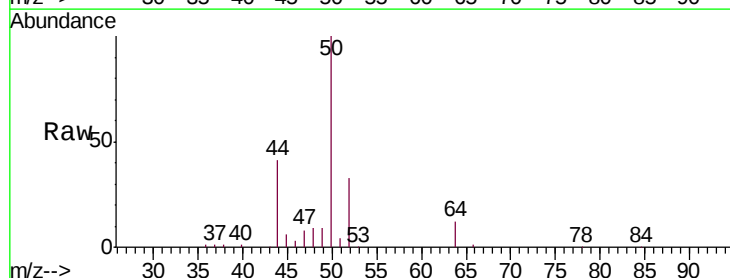
Acq: 23 Jul 2018 12:12

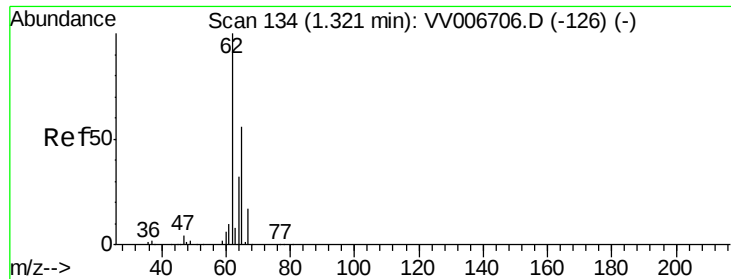
Tgt Ion: 50 Resp: 74273

Ion Ratio Lower Upper

50 100

52 32.6 22.1 41.1





#5

Vinyl chloride

Concen: 4.01 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

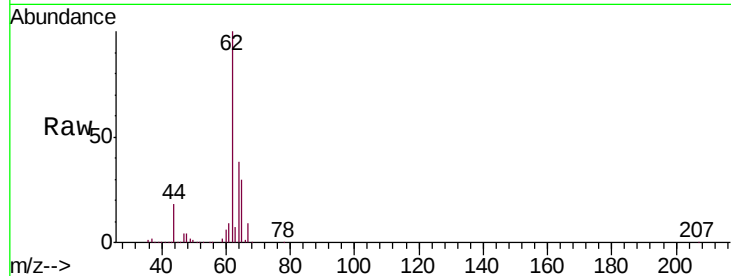
VSTD00575

Tot Ion: 62 Resp: 99463

Ion Ratio Lower Upper

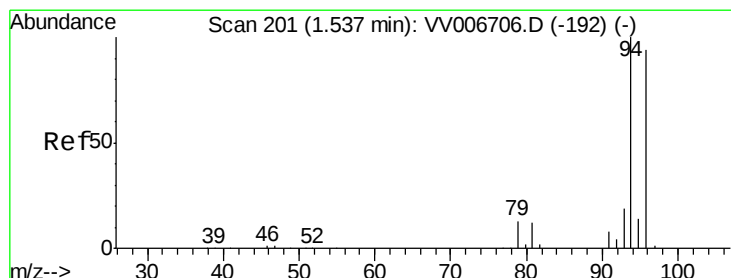
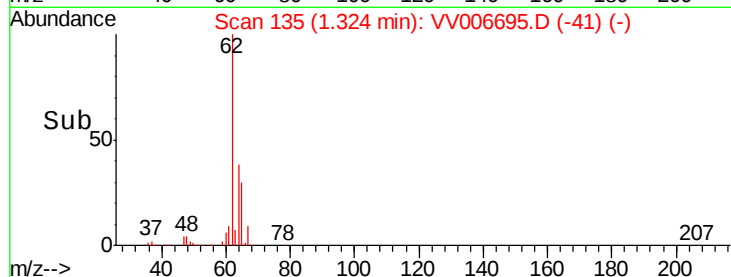
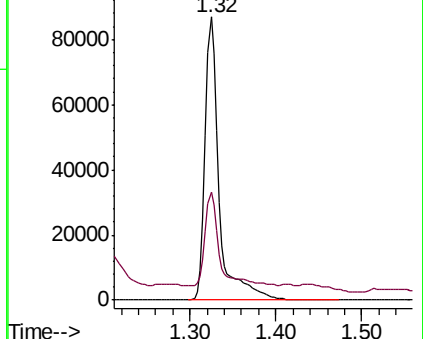
62 100

64 38.2 26.5 49.3



Abundance Ion 62.00 (61.70 to 62.70): VV006706.D (-126) (-)

Ion 64.10 (63.80 to 64.80): VV006706.D (-126) (-)



#6

Bromomethane

Concen: 3.55 ug/L

RT: 1.52 min Scan# 196

Delta R.T. 0.00 min

Lab File: VV006695.D

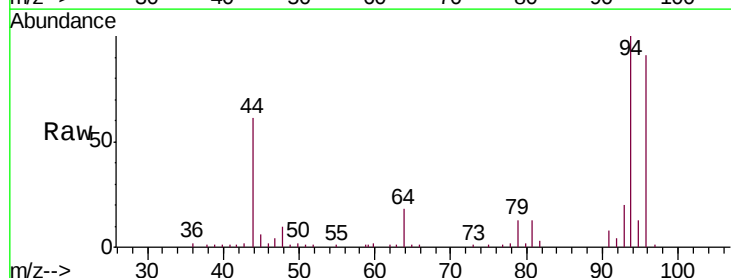
Acq: 23 Jul 2018 12:12

Tgt Ion: 94 Resp: 21539

Ion Ratio Lower Upper

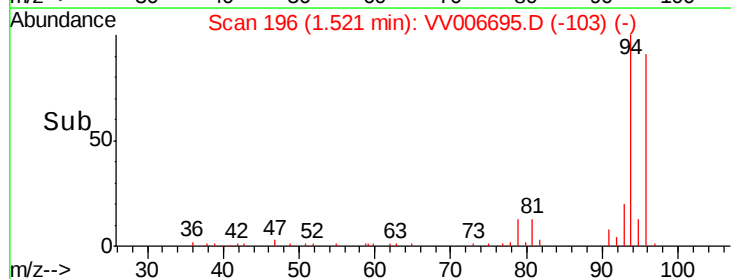
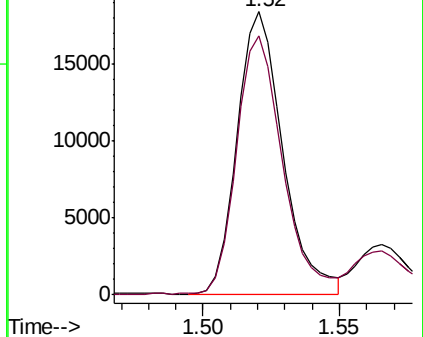
94 100

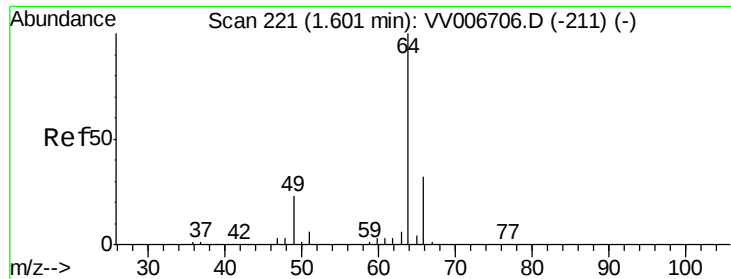
96 91.3 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VV006706.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV006706.D (-192) (-)

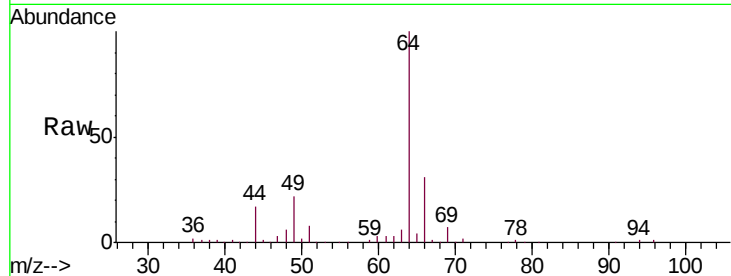




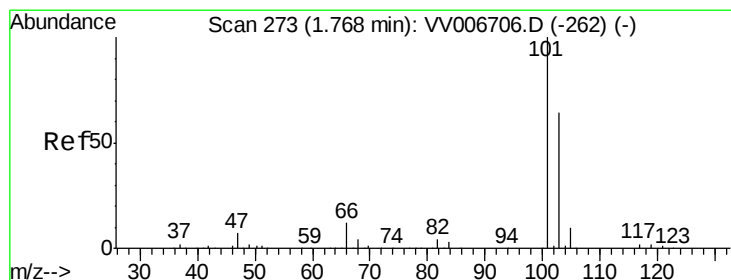
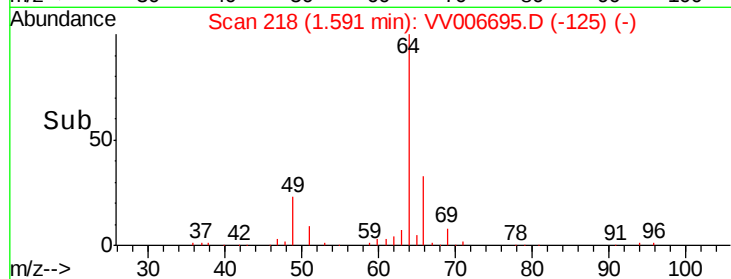
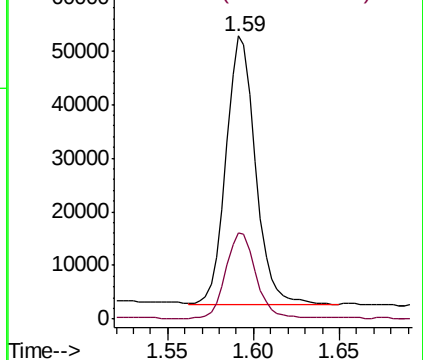
#8
Chloroethane
Concen: 4.35 ug/L
RT: 1.59 min Scan# 218
Delta R.T. 0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tot Ion: 64 Resp: 59075
Ion Ratio Lower Upper
64 100
66 30.6 21.8 40.4

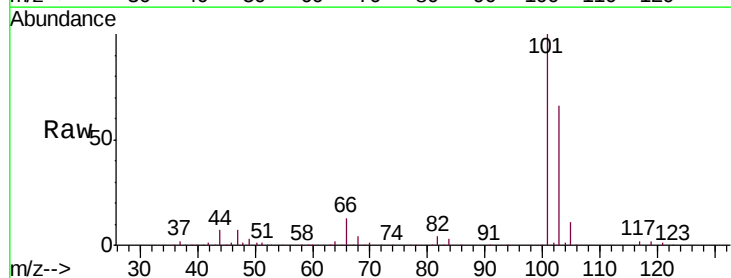


Abundance Ion 64.10 (63.80 to 64.80): VV006695.D (-125) (-)
Ion 66.05 (65.75 to 66.75): VV006695.D (-125) (-)

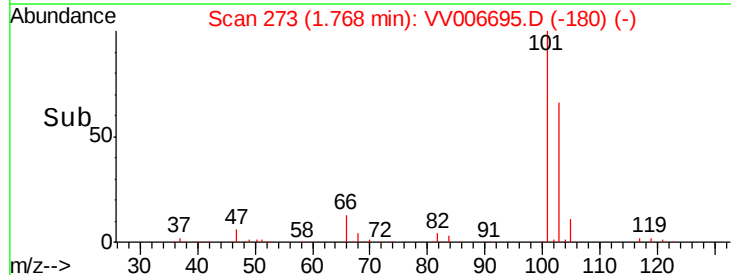
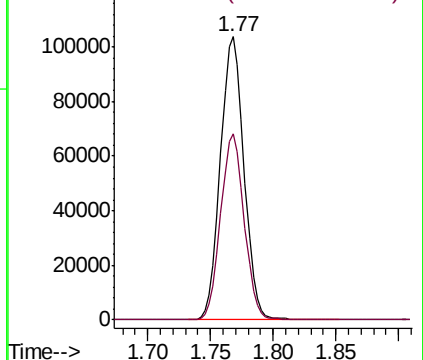


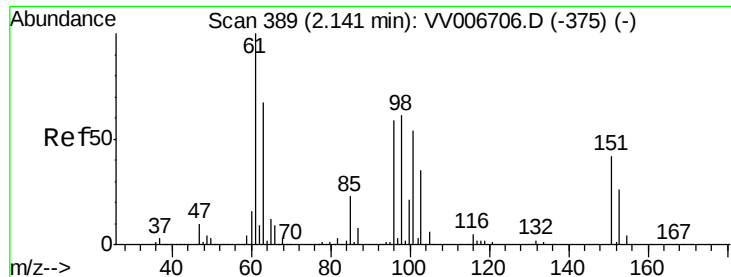
#9
Trichlorofluoromethane
Concen: 4.76 ug/L
RT: 1.77 min Scan# 273
Delta R.T. -0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

Tgt Ion: 101 Resp: 135391
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006695.D (-180) (-)
Ion 103.00 (102.70 to 103.70): VV006695.D (-180) (-)





#10

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

Concen: 5.18 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

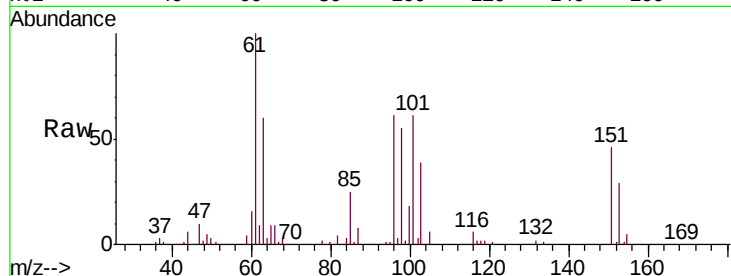
Tot Ion:101 Resp: 89780

Ion Ratio Lower Upper

101 100

85 41.8 33.1 49.7

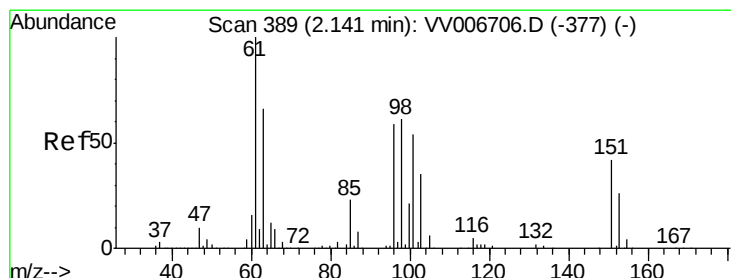
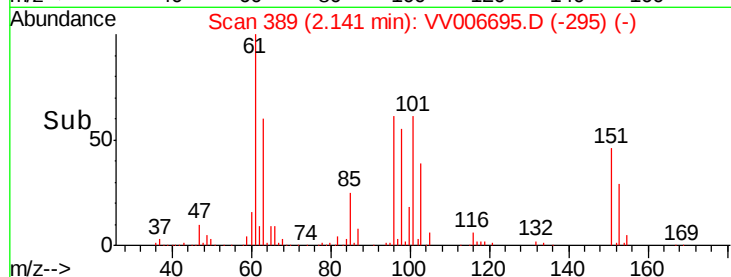
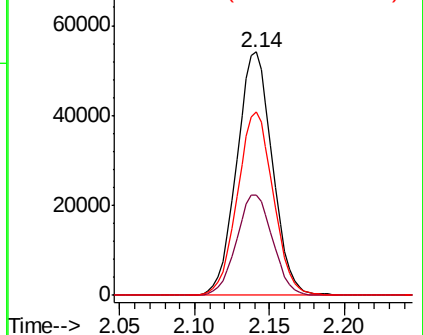
151 75.8 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.51 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

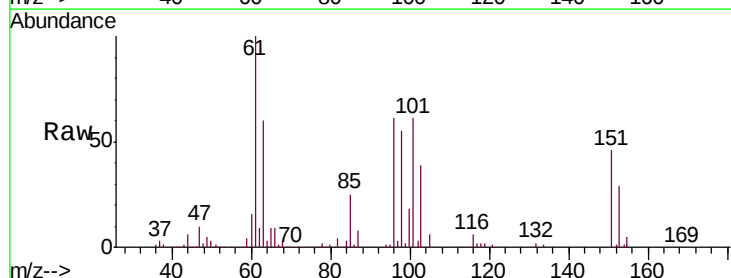
Tgt Ion: 96 Resp: 76667

Ion Ratio Lower Upper

96 100

61 163.0 113.5 210.9

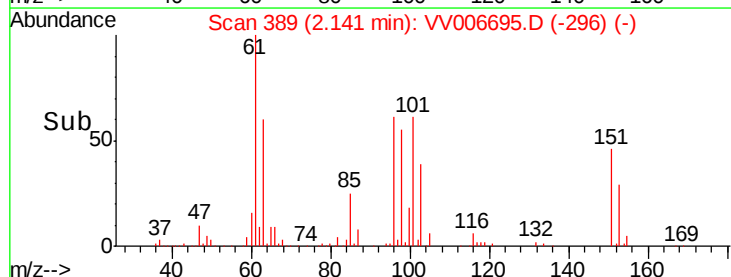
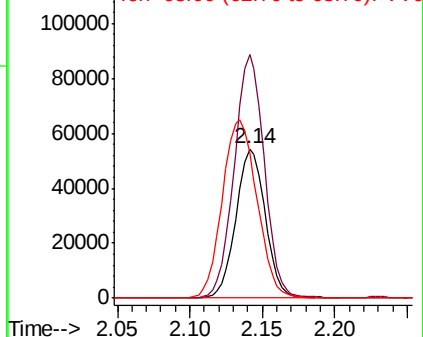
63 97.4 69.5 129.1

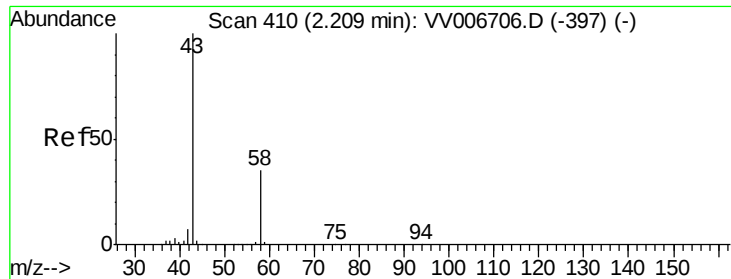


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 58.12 ug/L

RT: 2.19 min Scan# 404

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

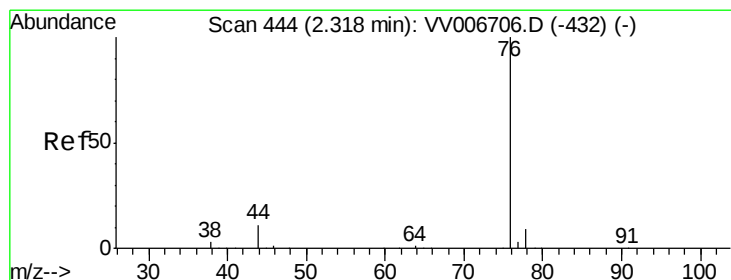
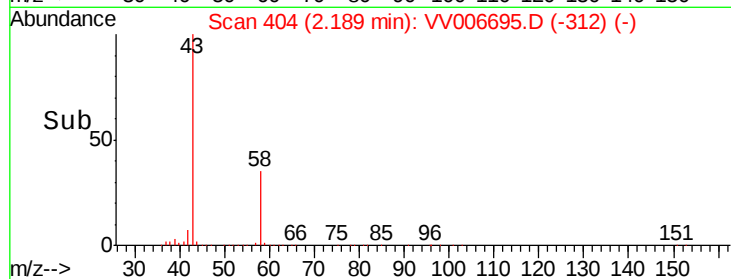
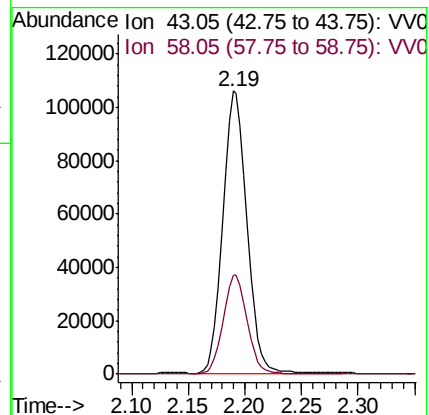
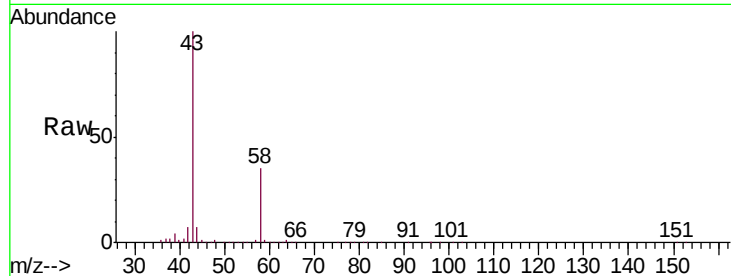
VSTD00575

Tot Ion: 43 Resp: 155950

Ion Ratio Lower Upper

43 100

58 34.8 0.0 71.4



#14

Carbon disulfide

Concen: 3.17 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006695.D

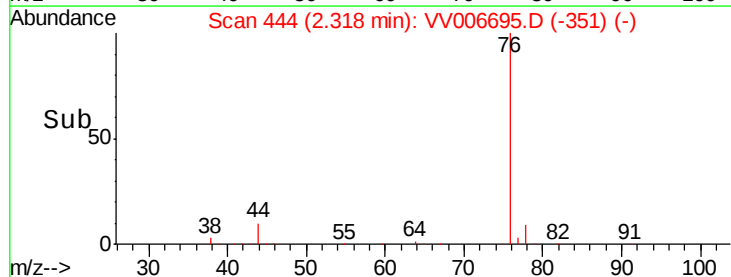
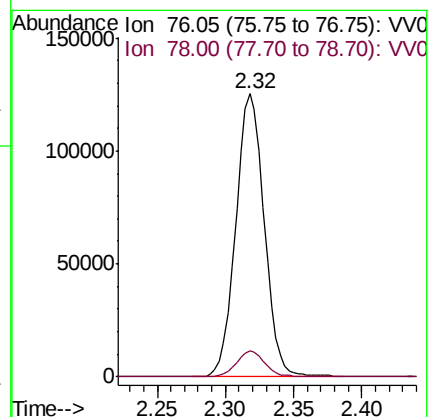
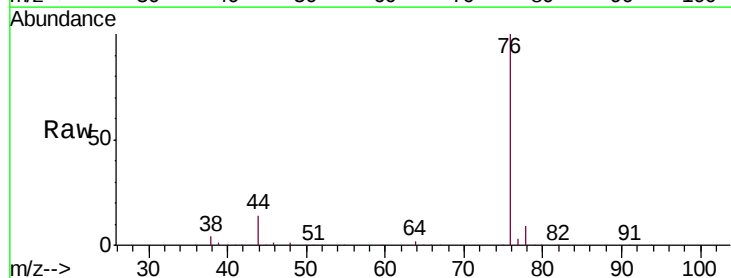
Acq: 23 Jul 2018 12:12

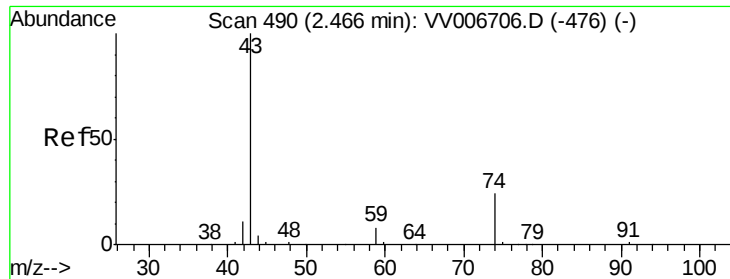
Tgt Ion: 76 Resp: 181161

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 5.20 ug/L

RT: 2.46 min Scan# 488

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

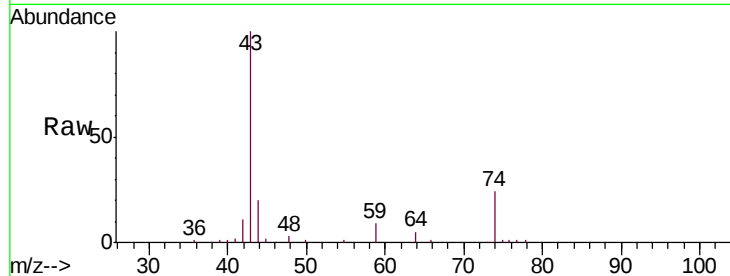
VSTD00575

Tot Ion: 43 Resp: 41389

Ion Ratio Lower Upper

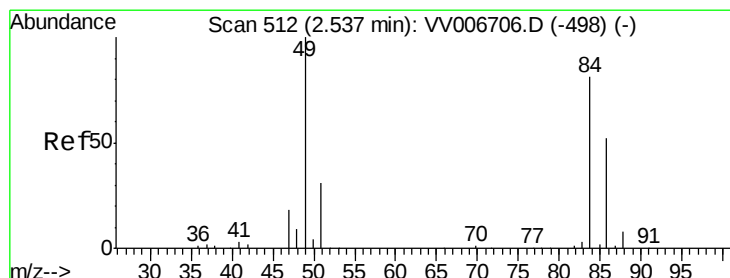
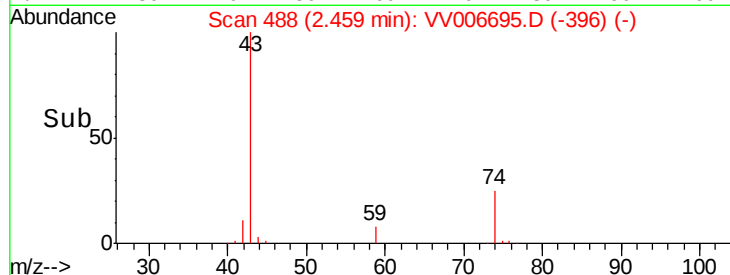
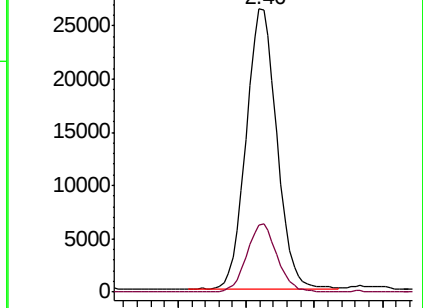
43 100

74 23.9 20.6 31.0



Abundance Ion 43.05 (42.75 to 43.75): VV006695.D (-396) (-)

Ion 74.05 (73.75 to 74.75): VV006695.D (-396) (-)



#16

Methylene chloride

Concen: 4.76 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

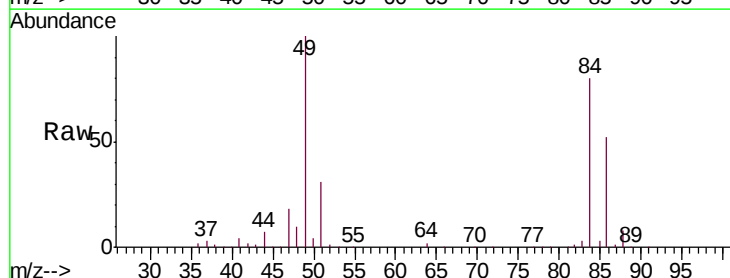
Tgt Ion: 84 Resp: 92772

Ion Ratio Lower Upper

84 100

86 65.3 44.7 83.1

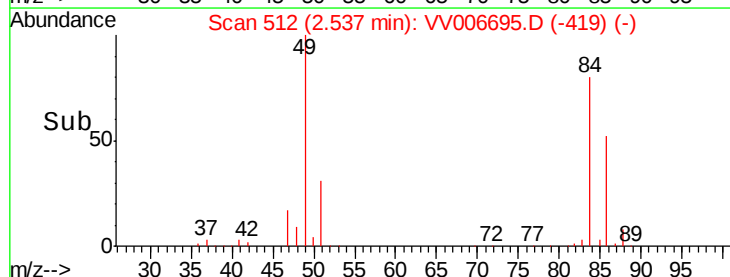
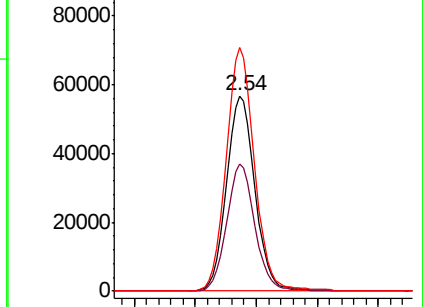
49 124.5 86.7 160.9

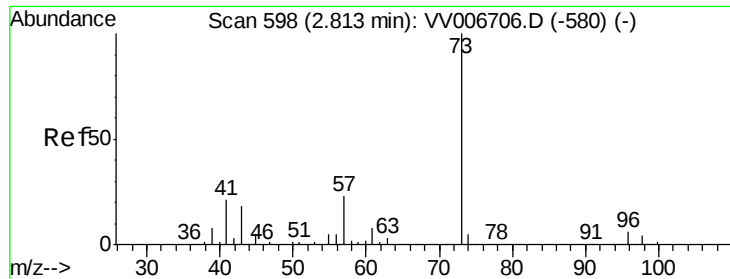


Abundance Ion 84.05 (83.75 to 84.75): VV006695.D (-419) (-)

Ion 86.00 (85.70 to 86.70): VV006695.D (-419) (-)

Ion 49.10 (48.80 to 49.80): VV006695.D (-419) (-)



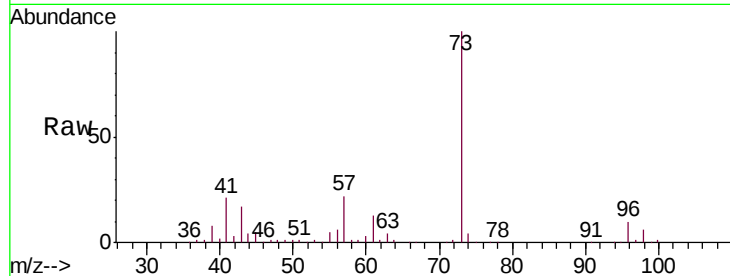


#17

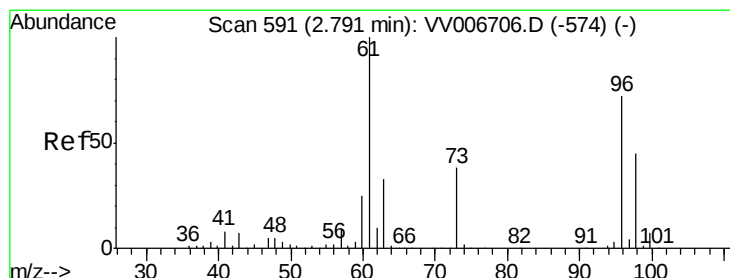
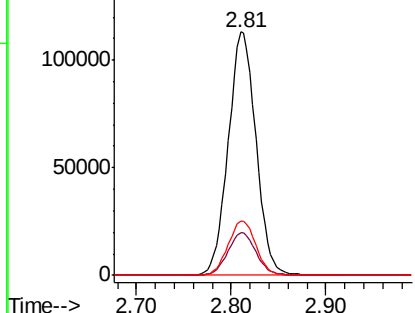
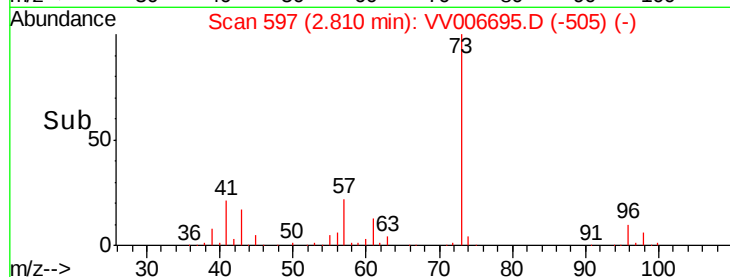
Methvl tert-butvl Ether
 Concen: 5.53 ug/L
 RT: 2.81 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00575

Tot Ion: 73 Resp: 230311
 Ion Ratio Lower Upper
 73 100
 43 17.2 14.2 21.4
 57 22.6 18.2 27.2



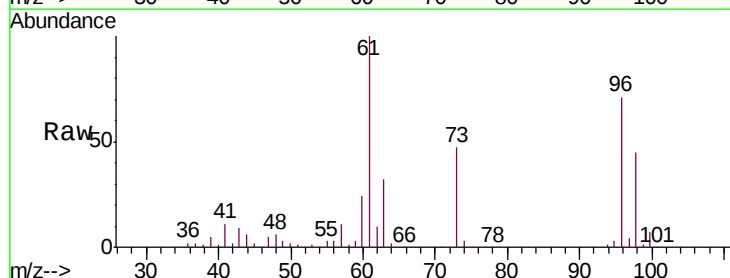
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



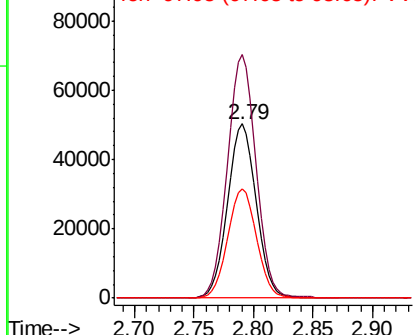
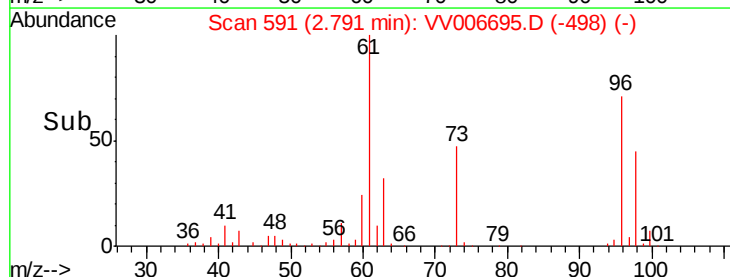
#18

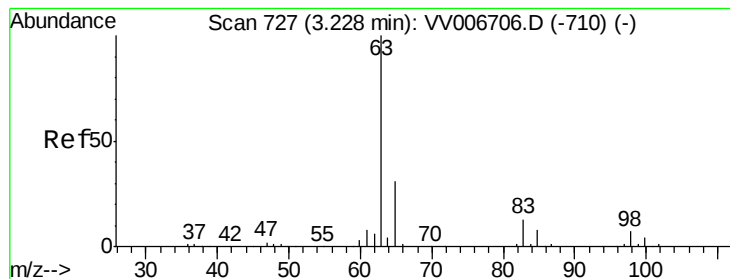
trans-1,2-Dichloroethene
 Concen: 4.57 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Tgt Ion: 96 Resp: 84279
 Ion Ratio Lower Upper
 96 100
 61 139.9 98.5 182.9
 98 63.1 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.22 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

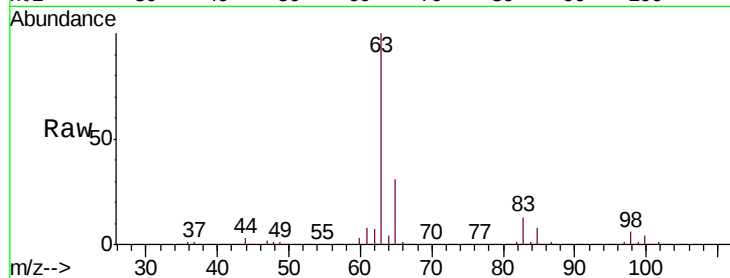
Tot Ion: 63 Resp: 177060

Ion Ratio Lower Upper

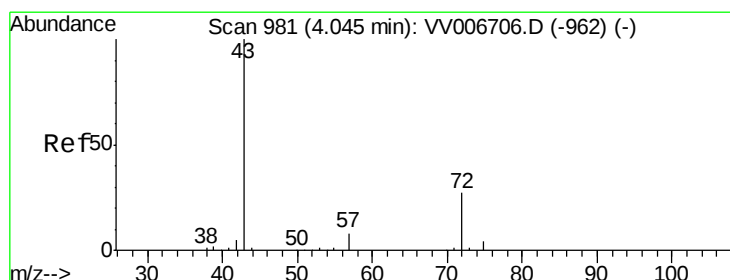
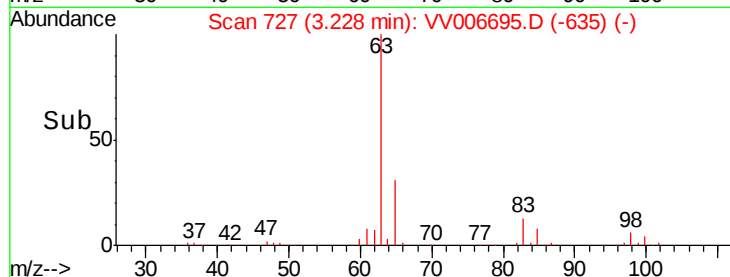
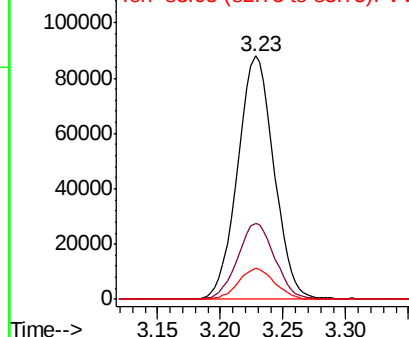
63 100

65 31.1 22.4 41.6

83 12.6 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 59.54 ug/L

RT: 4.03 min Scan# 978

Delta R.T. -0.00 min

Lab File: VV006695.D

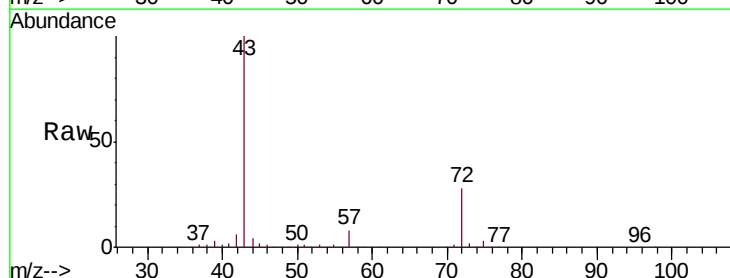
Acq: 23 Jul 2018 12:12

Tgt Ion: 43 Resp: 267575

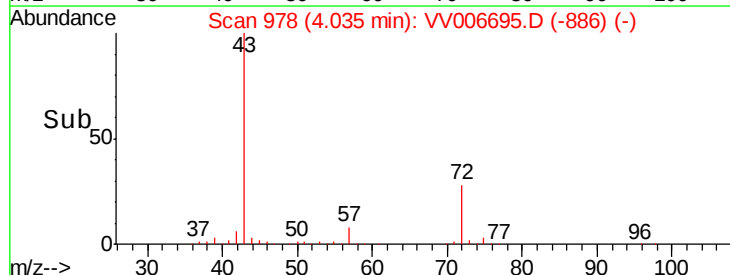
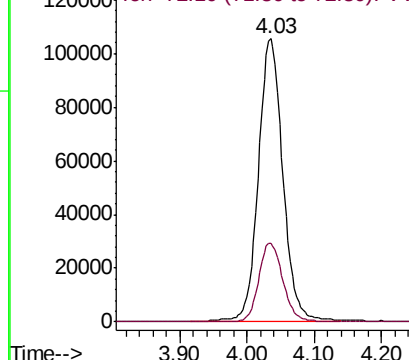
Ion Ratio Lower Upper

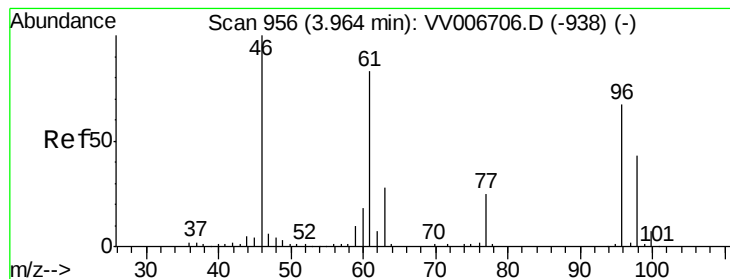
43 100

72 26.6 13.8 41.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0





#22

cis-1,2-Dichloroethene

Concen: 5.14 ug/L

RT: 3.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

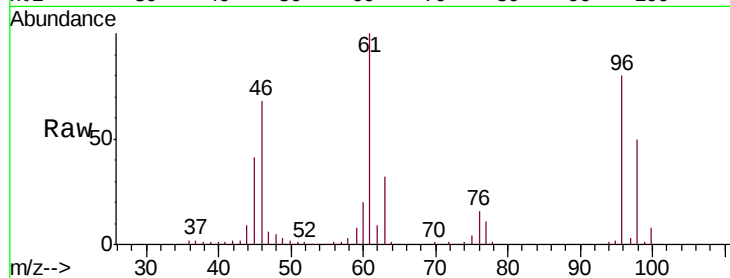
Tot Ion: 96 Resp: 98957

Ion Ratio Lower Upper

96 100

61 125.6 85.5 158.9

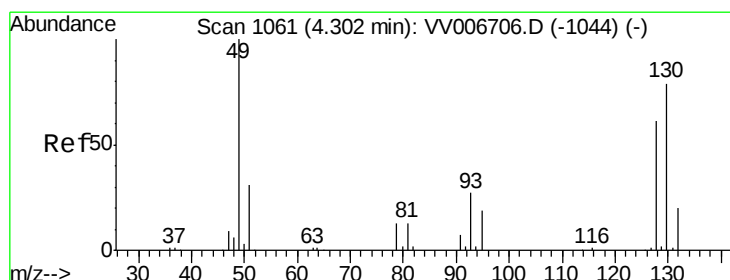
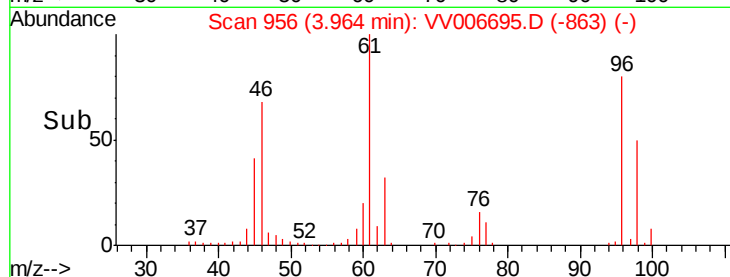
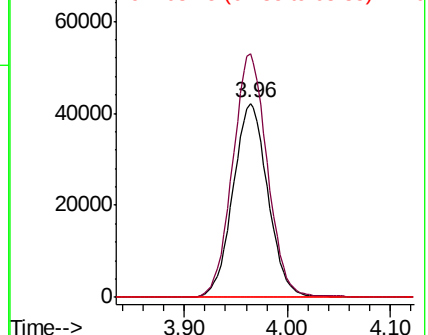
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006695.D (-968) (-)

Ion 61.05 (60.75 to 61.75): VV006695.D (-968) (-)

Ion 68.15 (67.85 to 68.85): VV006695.D (-968) (-)



#23

Bromochloromethane

Concen: 5.09 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Tgt Ion:128 Resp: 40310

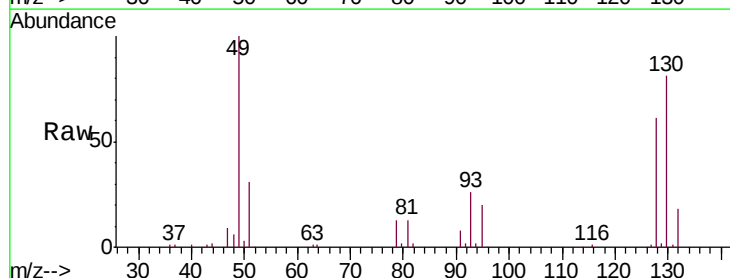
Ion Ratio Lower Upper

128 100

49 163.4 112.6 209.0

130 131.8 87.1 161.7

51 51.1 40.9 61.3

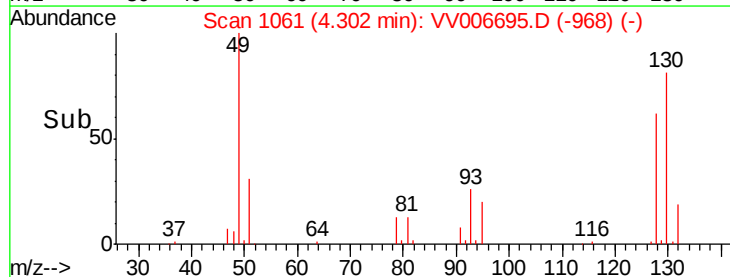
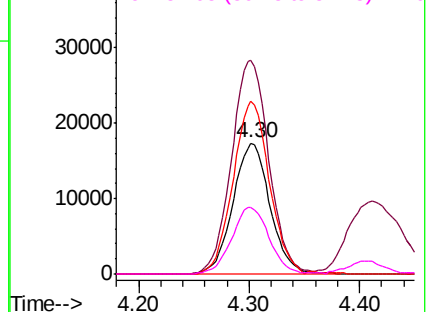


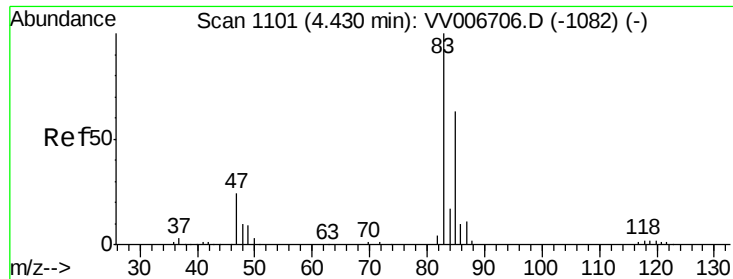
Abundance Ion 127.90 (127.60 to 128.60): VV006695.D (-968) (-)

Ion 49.10 (48.80 to 49.80): VV006695.D (-968) (-)

Ion 129.95 (129.65 to 130.65): VV006695.D (-968) (-)

Ion 51.05 (50.75 to 51.75): VV006695.D (-968) (-)

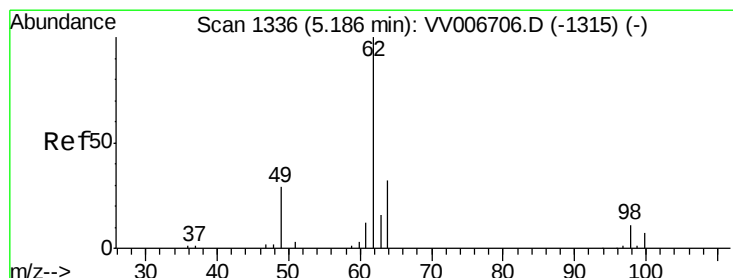
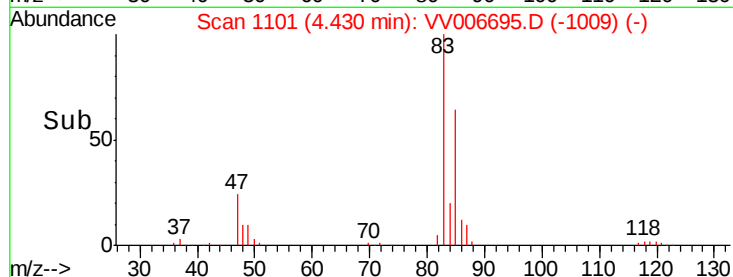
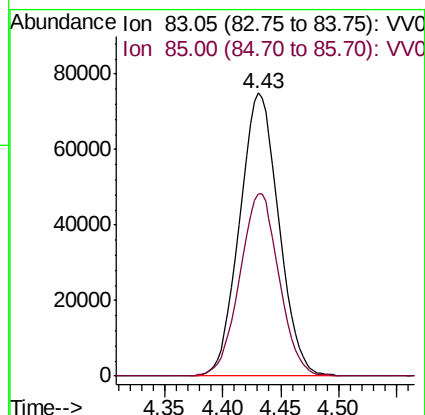
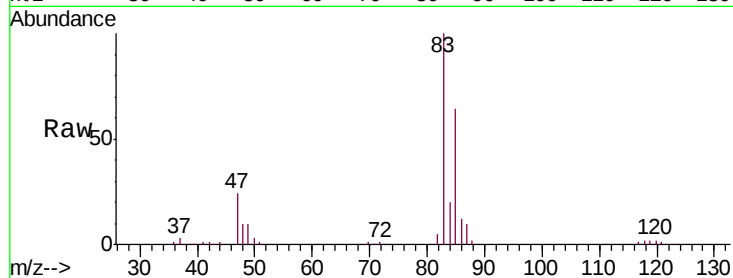




#25
Chloroform
Concen: 5.53 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

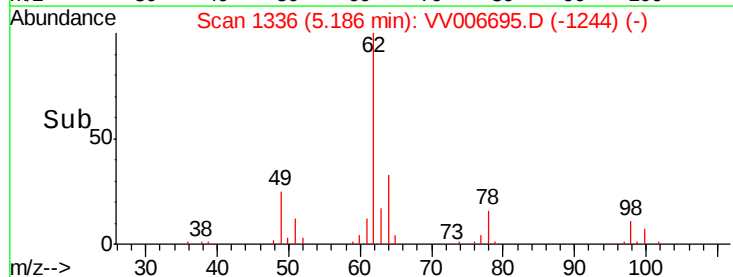
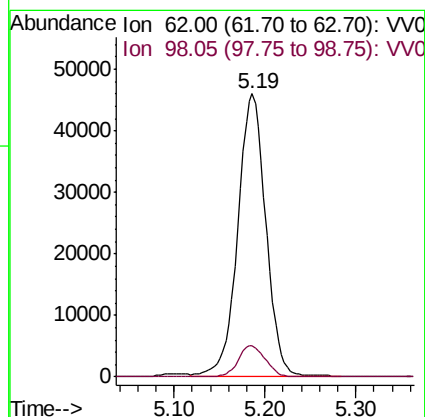
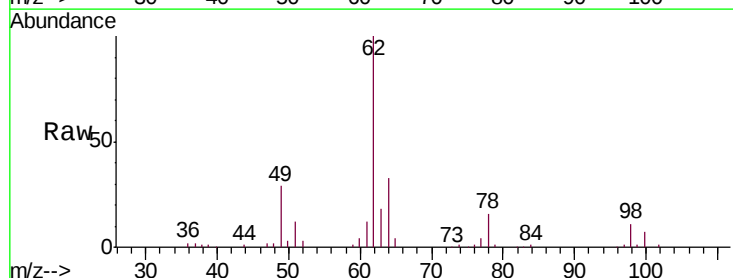
Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

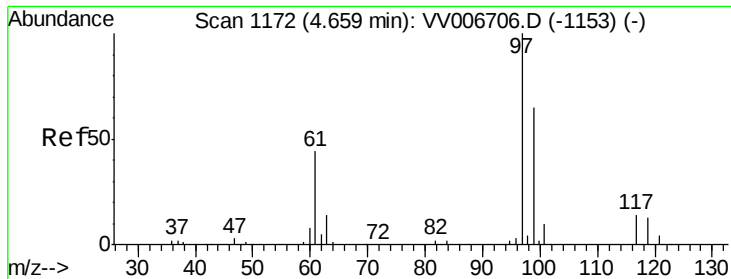
Tot Ion: 83 Resp: 176129
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.31 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

Tgt Ion: 62 Resp: 99231
Ion Ratio Lower Upper
62 100
98 10.9 8.4 12.6

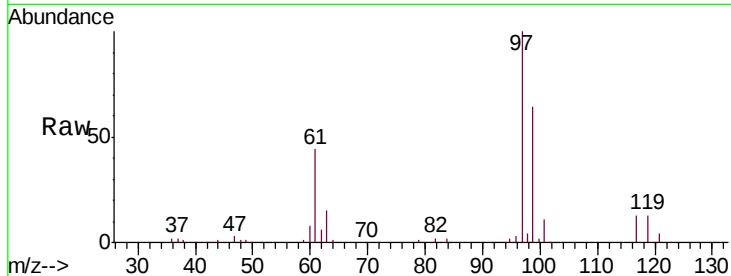




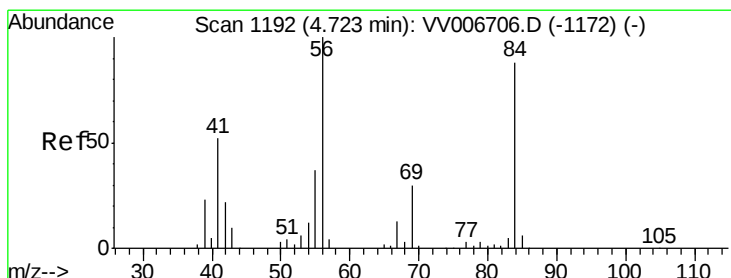
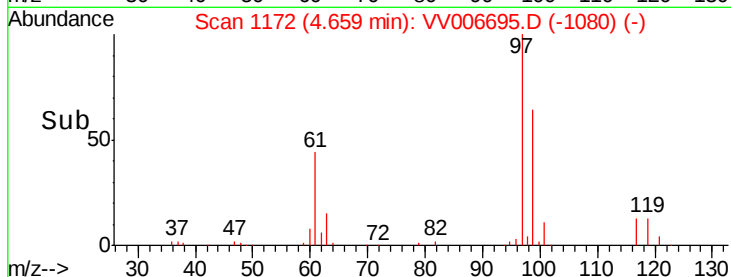
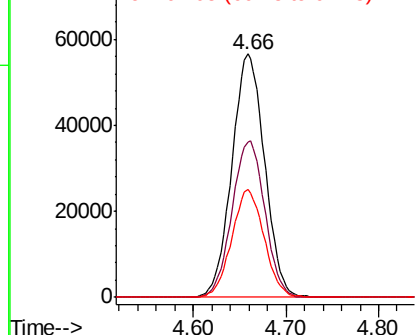
#29
 1,1,1-Trichloroethane
 Concen: 5.35 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tot Ion: 97 Resp: 138685
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.7 77.5
 61 43.8 34.9 52.3

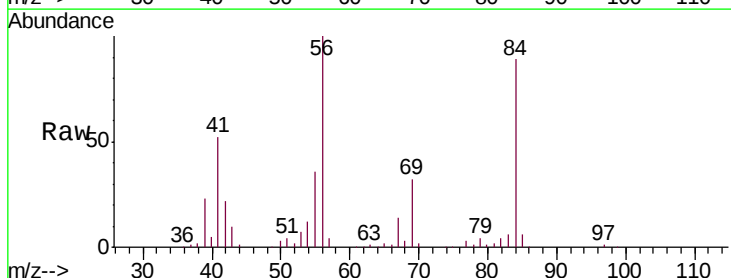


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

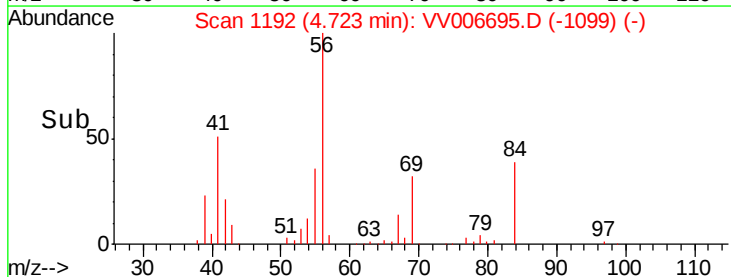
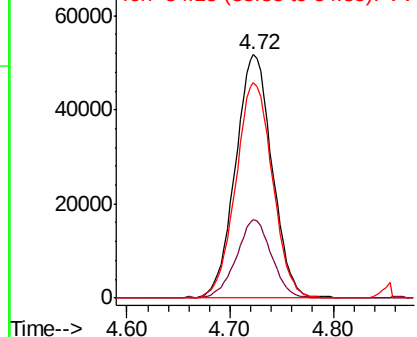


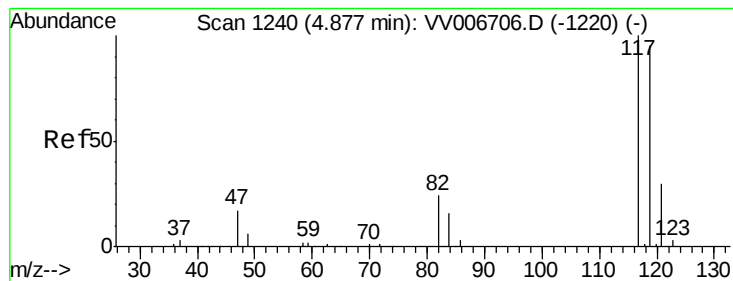
#30
 Cyclohexane
 Concen: 4.40 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Tgt Ion: 56 Resp: 127622
 Ion Ratio Lower Upper
 56 100
 69 30.9 24.6 36.8
 84 88.7 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: 5.23 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

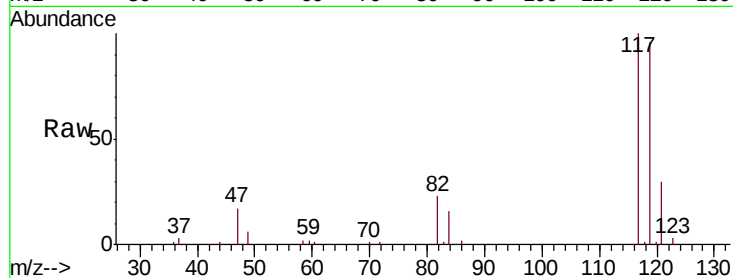
VSTD00575

Tot Ion:117 Resp: 115930

Ion Ratio Lower Upper

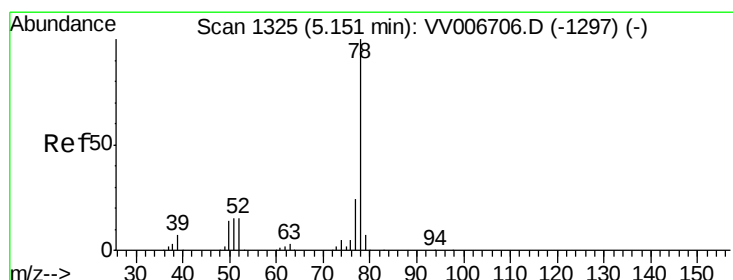
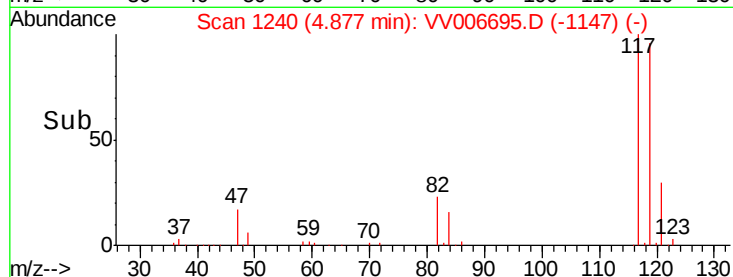
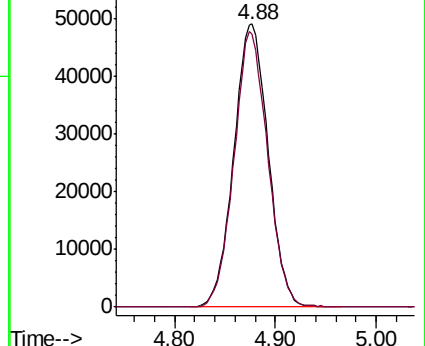
117 100

119 95.5 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: 5.10 ug/L

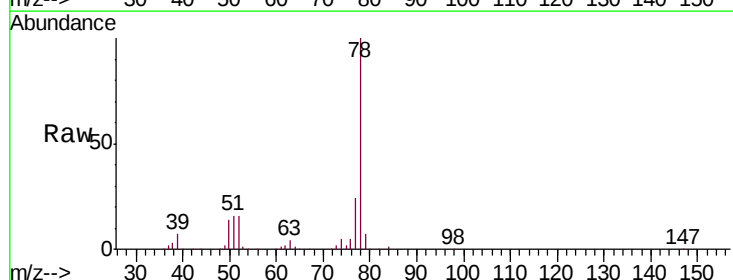
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Tgt Ion: 78 Resp: 369402



Abundance Ion 78.10 (77.80 to 78.80): VV0

200000

150000

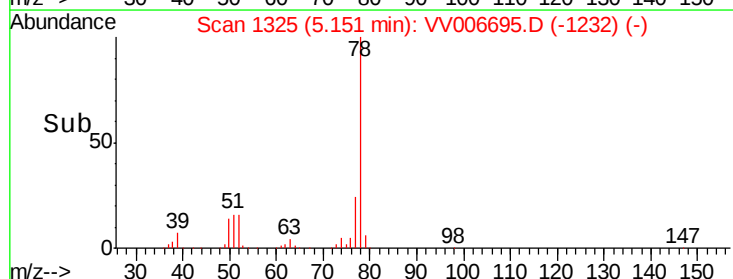
100000

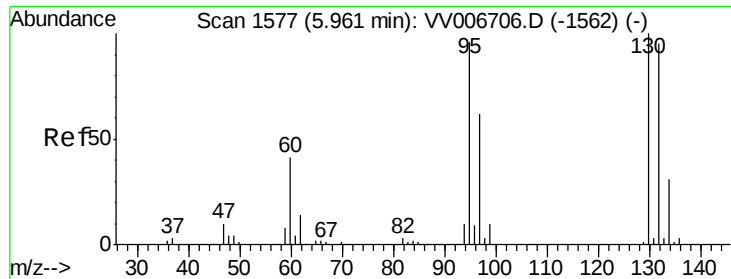
50000

0

Time-->

5.00 5.10 5.20 5.30

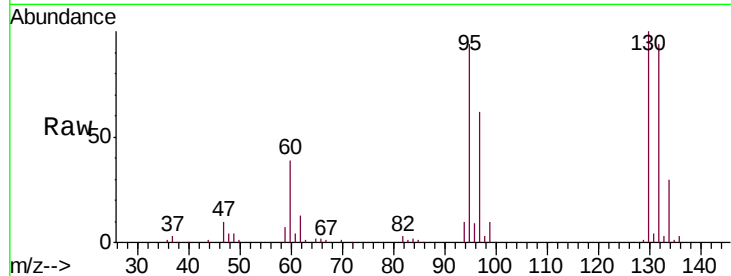




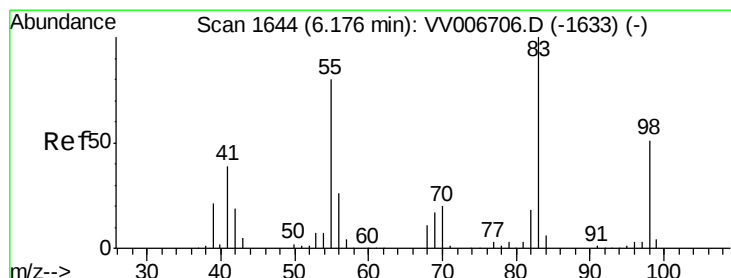
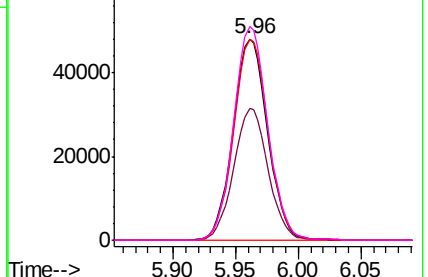
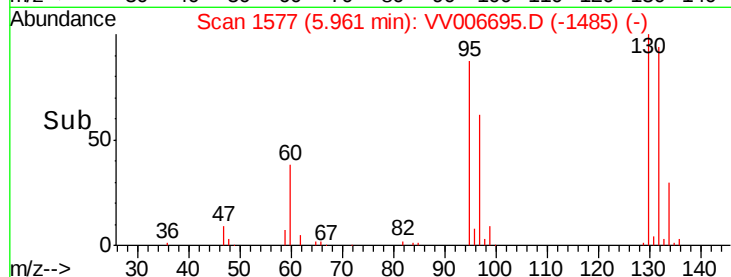
#34
 Trichloroethene
 Concen: 5.02 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tot Ion: 95 Resp: 91911
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.9 83.3
 132 99.7 68.9 127.9
 130 106.0 73.4 136.4

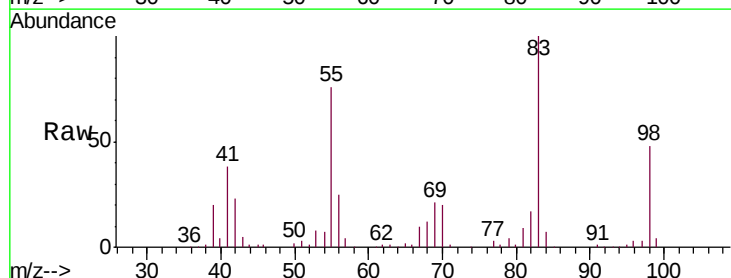


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

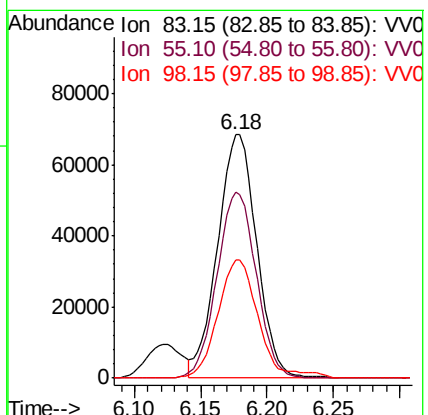
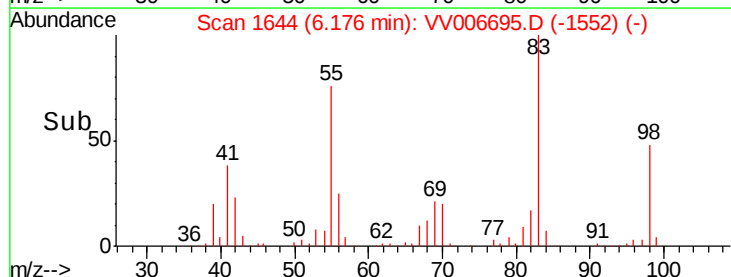


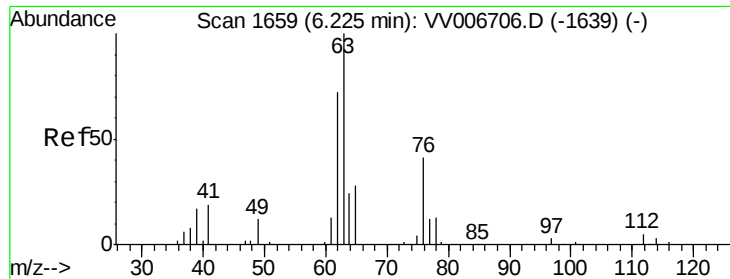
#35
 Methylcyclohexane
 Concen: 4.60 ug/L
 RT: 6.18 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Tgt Ion: 83 Resp: 140576
 Ion Ratio Lower Upper
 83 100
 55 76.7 61.9 92.9
 98 50.2 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: 5.45 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

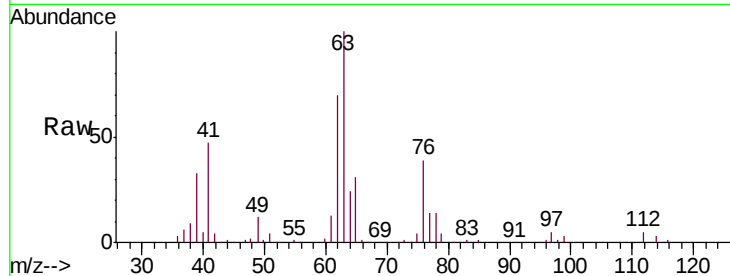
VSTD00575

Tot Ion: 63 Resp: 101341

Ion Ratio Lower Upper

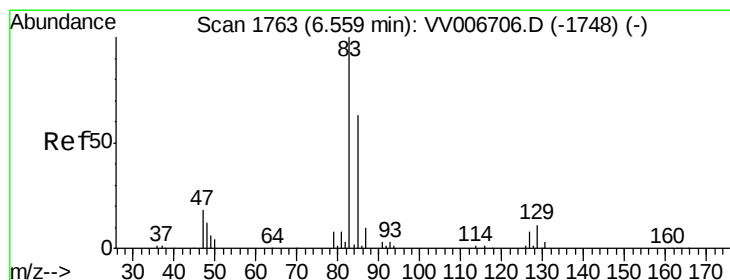
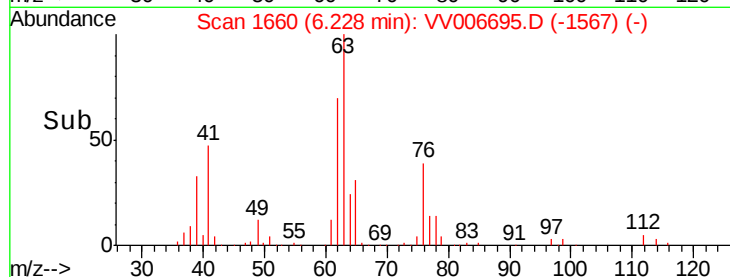
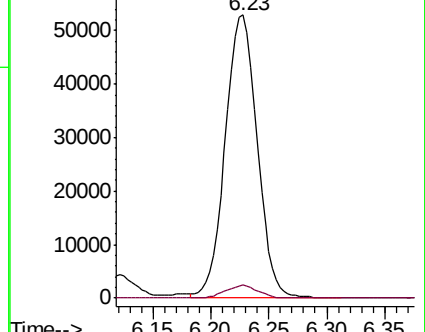
63 100

112 4.6 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV006706.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VV006706.D (-1639) (-)



#38

Bromodichloromethane

Concen: 5.62 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

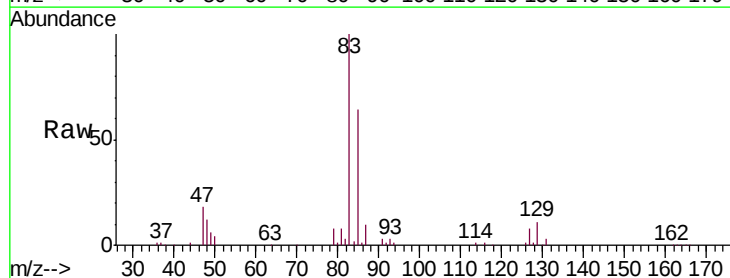
Tgt Ion: 83 Resp: 116801

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4

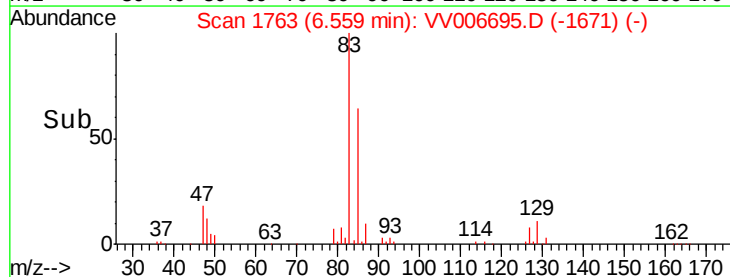
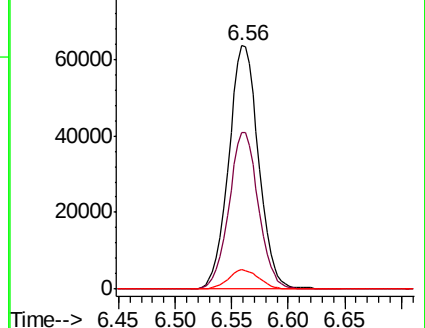
127 7.9 6.6 9.8

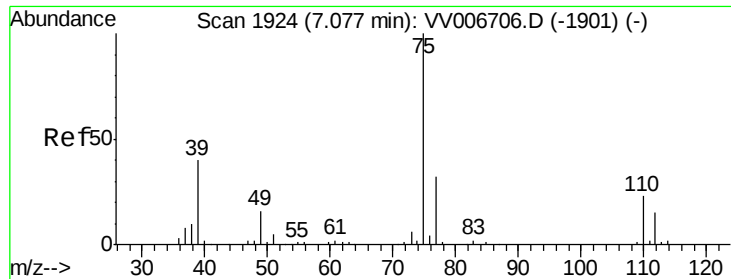


Abundance Ion 82.95 (82.65 to 83.65): VV006706.D (-1748) (-)

Ion 85.00 (84.70 to 85.70): VV006706.D (-1748) (-)

Ion 126.90 (126.60 to 127.60): VV006706.D (-1748) (-)

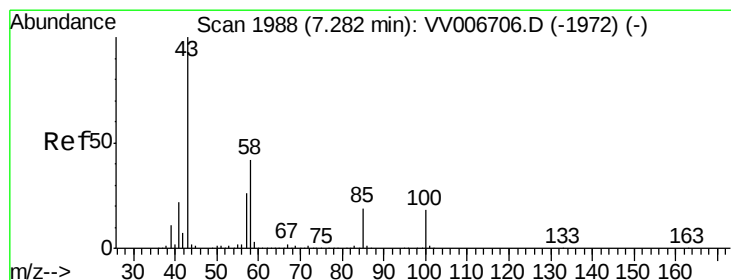
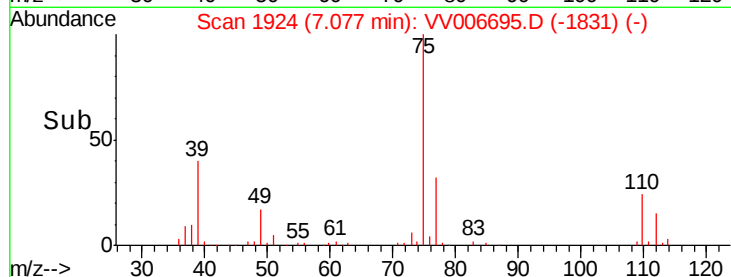
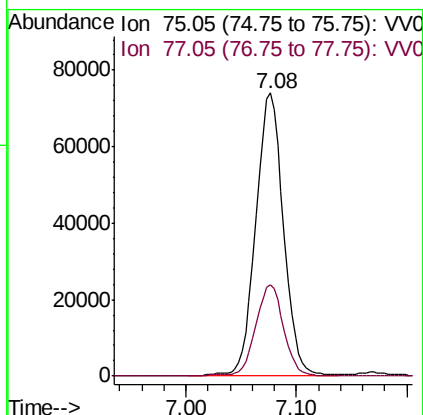
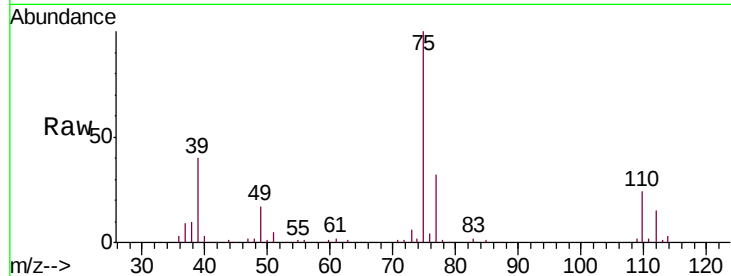




#39
 cis-1,3-Dichloropropene
 Concen: 5.33 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

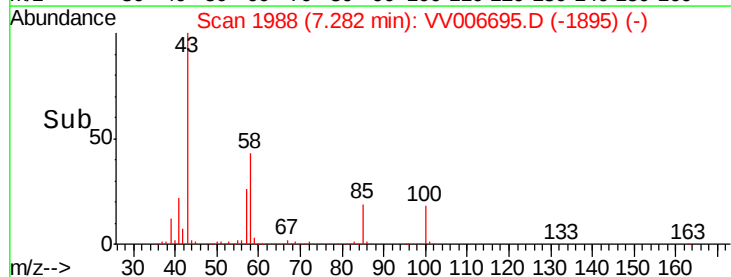
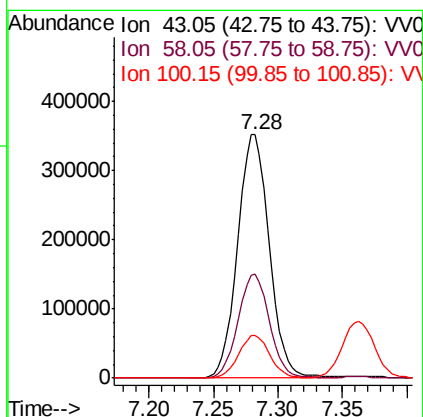
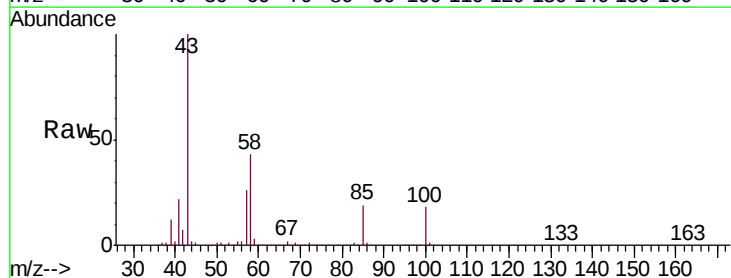
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

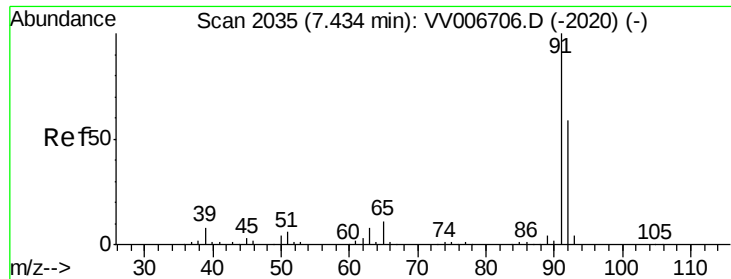
Tot Ion: 75 Resp: 129153
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 59.03 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Tgt Ion: 43 Resp: 603629
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.4 50.0
 100 17.3 13.6 20.4





#42

Toluene

Concen: 5.25 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

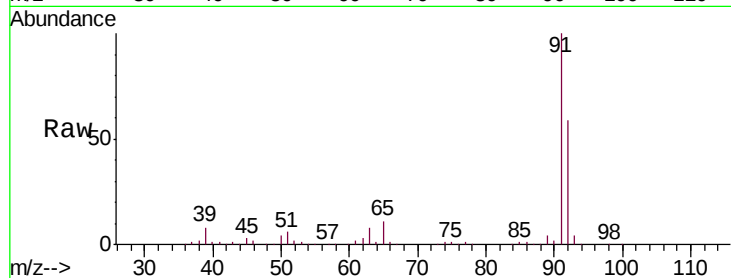
VSTD00575

Tot Ion: 91 Resp: 391482

Ion Ratio Lower Upper

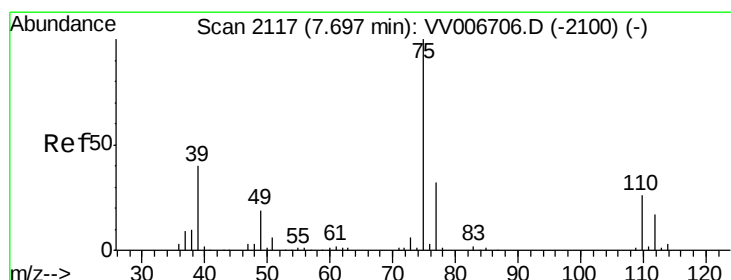
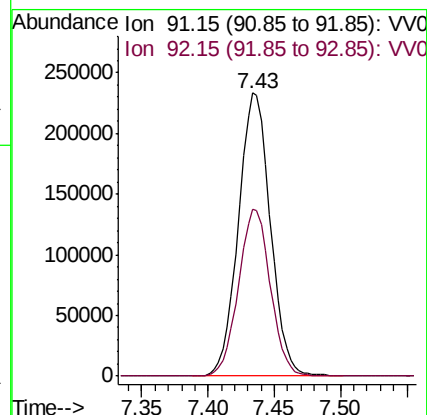
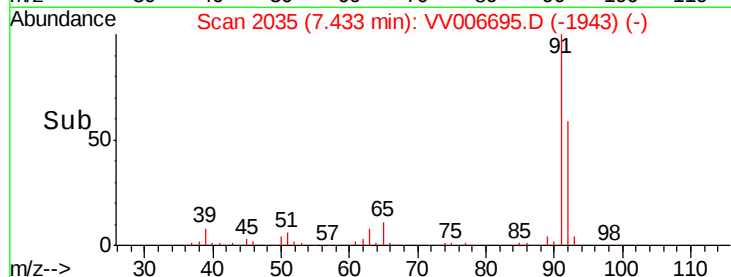
91 100

92 58.8 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV006695.D (-1943) (-)

Ion 92.15 (91.85 to 92.85): VV006695.D (-1943) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.54 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006695.D

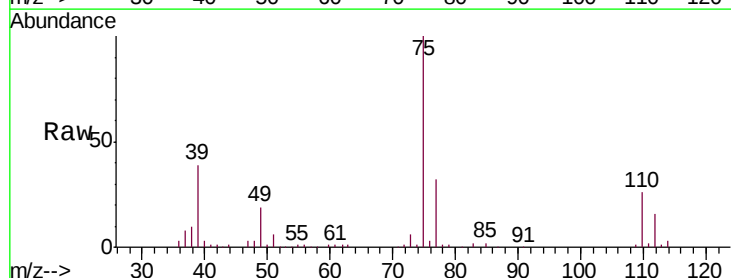
Acq: 23 Jul 2018 12:12

Tgt Ion: 75 Resp: 105624

Ion Ratio Lower Upper

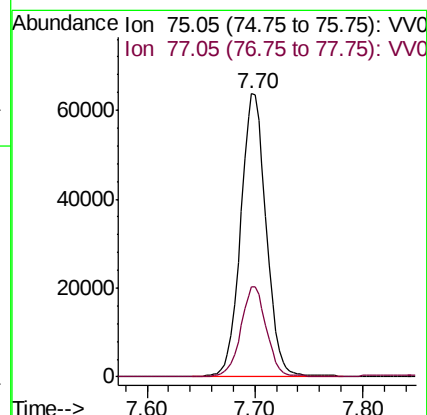
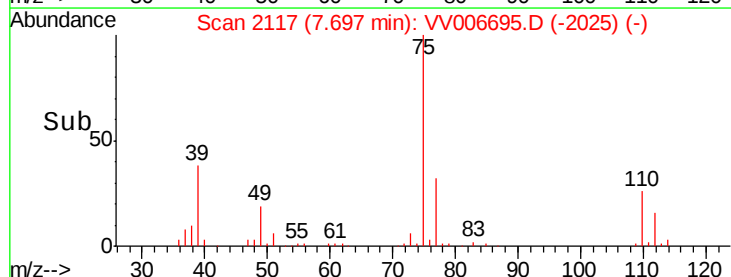
75 100

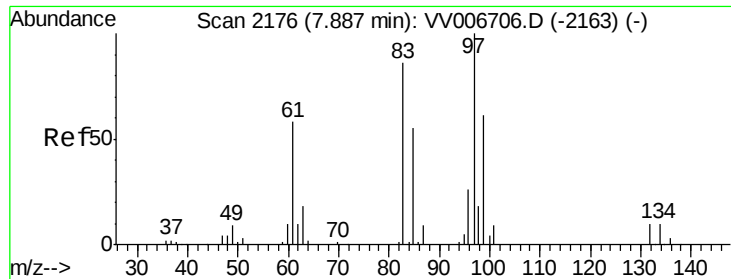
77 31.6 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV006695.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006695.D (-2025) (-)

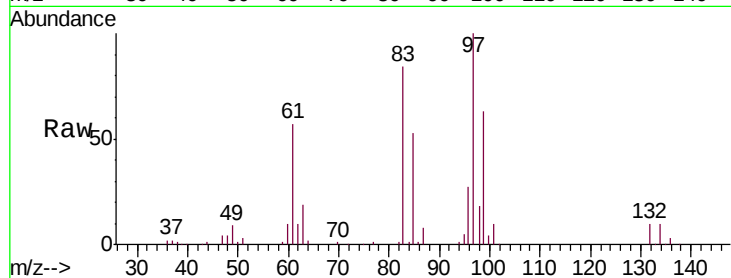




#45
 1,1,2-Trichloroethane
 Concen: 5.75 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tot Ion:	97	Resp:	71979
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.0	79.8
83	83.7	59.4	110.4
85	53.4	37.5	69.7



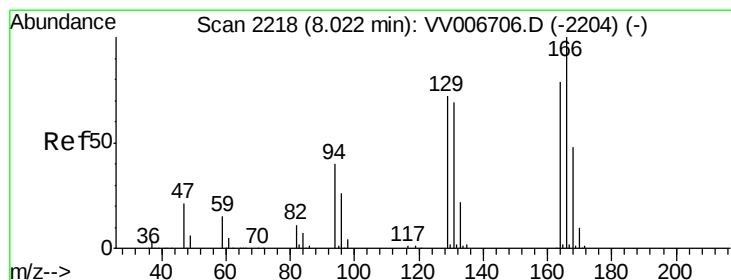
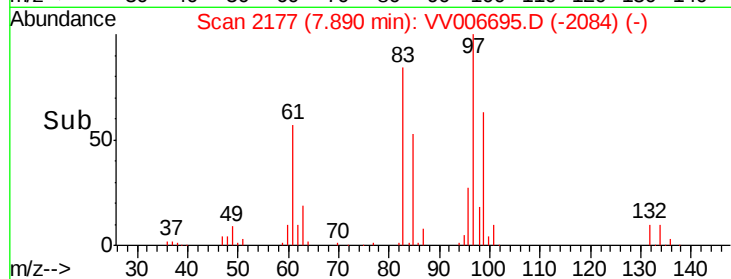
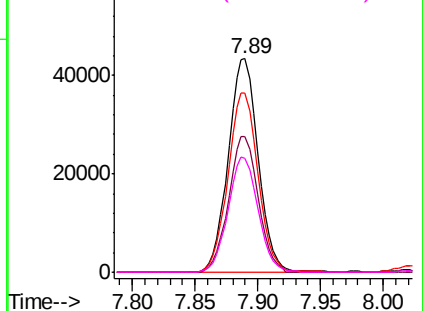
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

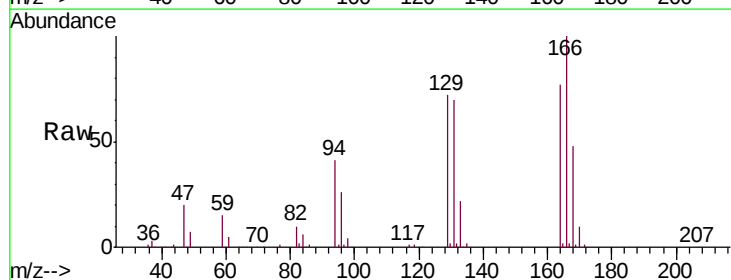
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.01 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Tgt Ion:	164	Resp:	72736
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.0	120.8
131	90.8	61.9	115.1
166	130.1	89.3	165.9



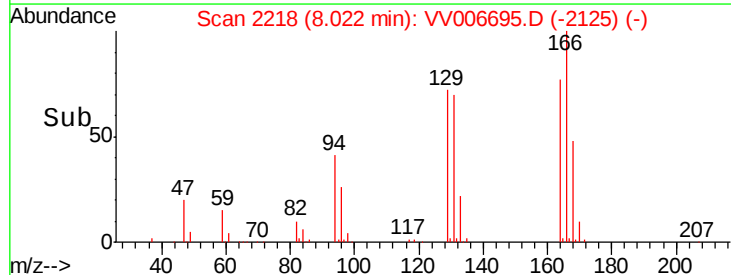
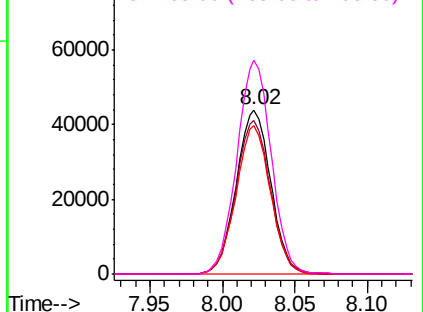
Abundance

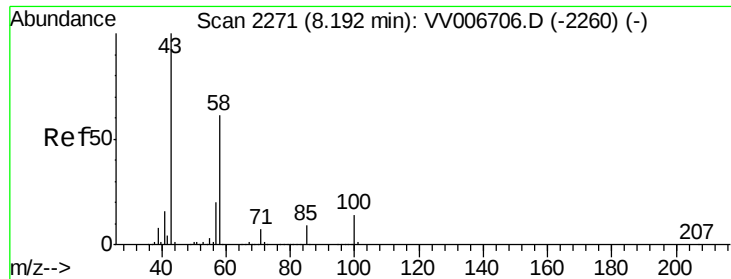
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

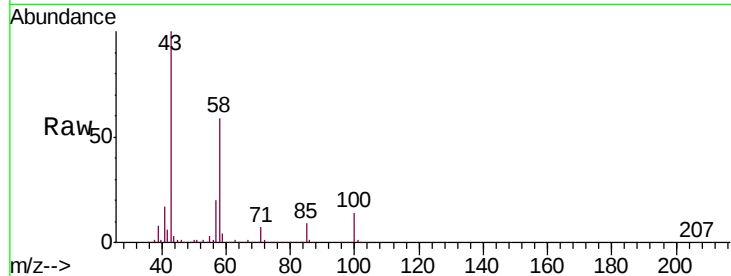




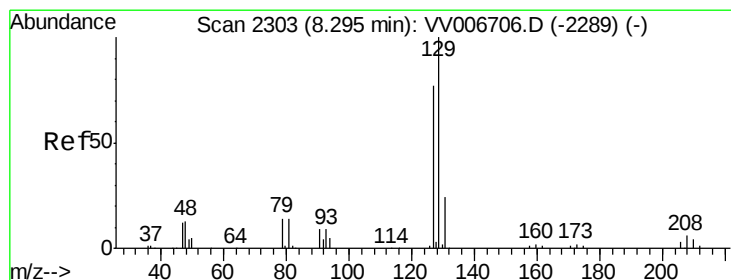
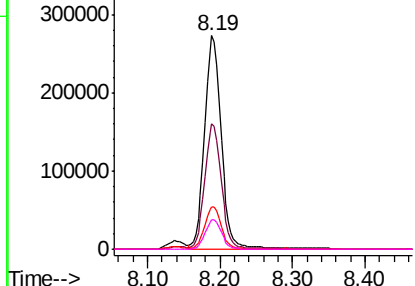
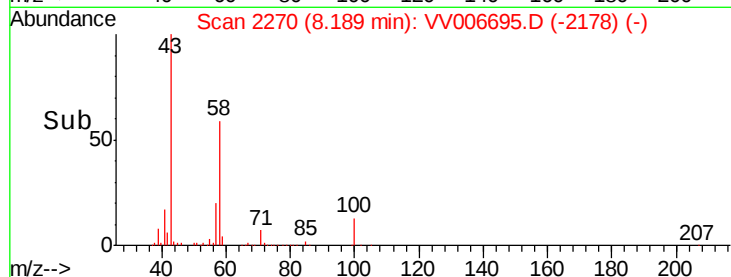
#48
2-Hexanone
Concen: 61.61 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tot Ion: 43 Resp: 439603
Ion Ratio Lower Upper
43 100
58 57.4 47.2 70.8
57 19.8 16.1 24.1
100 13.5 11.1 16.7

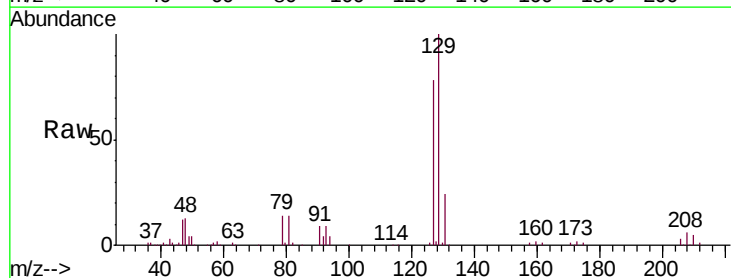


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

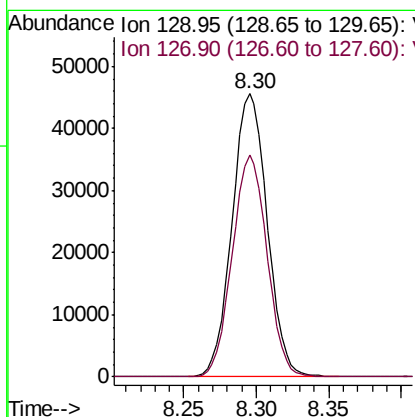
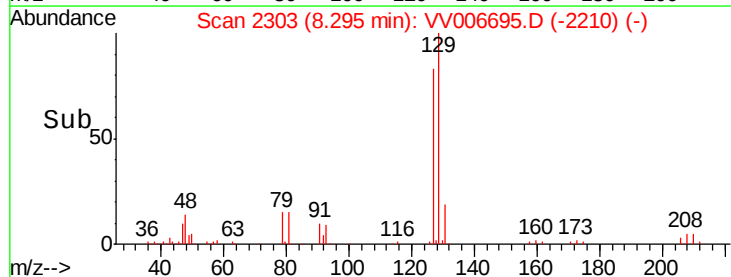


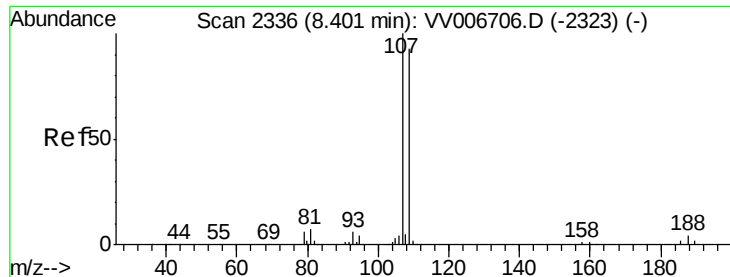
#49
Dibromochloromethane
Concen: 5.78 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

Tgt Ion: 129 Resp: 76631
Ion Ratio Lower Upper
129 100
127 78.3 53.5 99.5



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

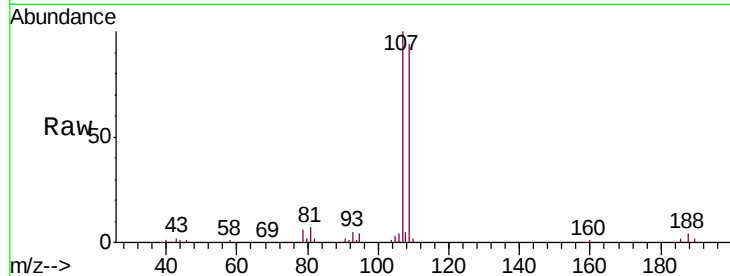




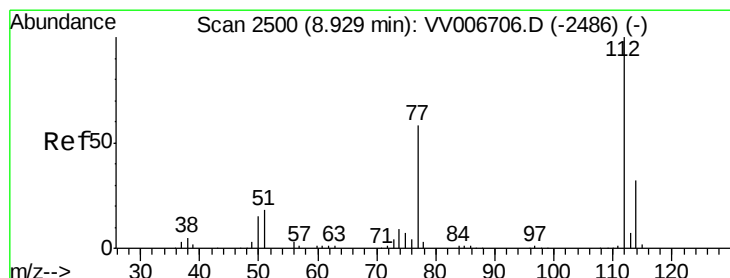
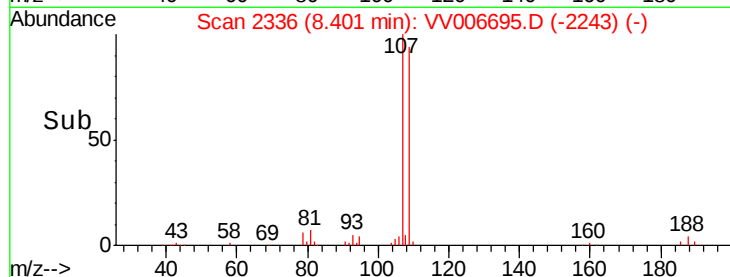
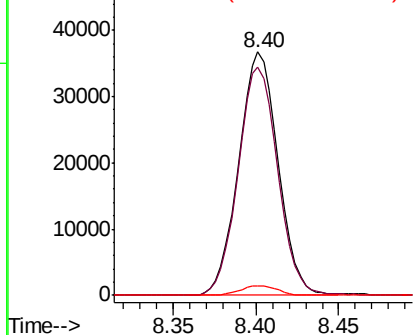
#50
1,2-Dibromoethane
Concen: 5.43 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tot Ion:107 Resp: 60743
Ion Ratio Lower Upper
107 100
109 93.7 66.8 124.0
188 4.1 3.1 4.7

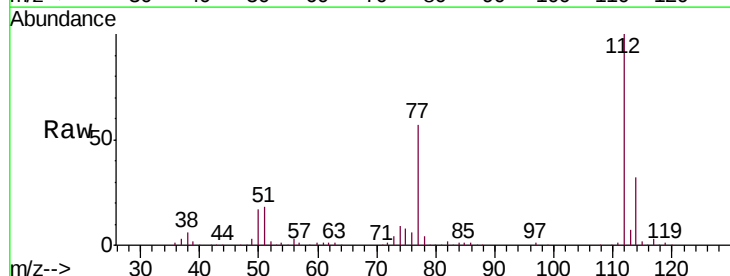


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

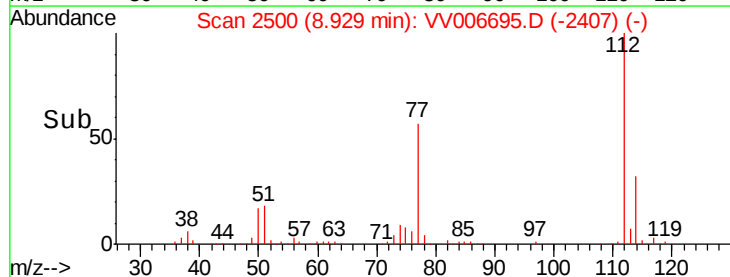
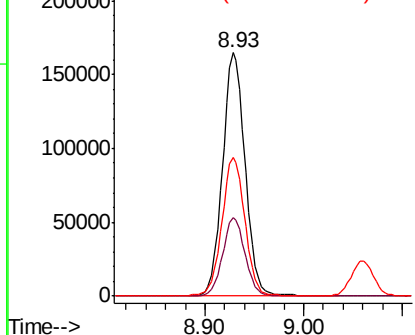


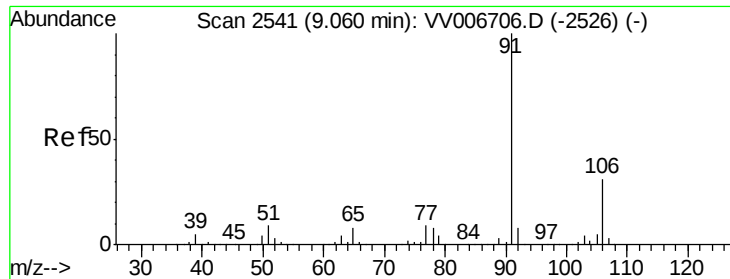
#51
Chlorobenzene
Concen: 5.43 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006695.D
Acq: 23 Jul 2018 12:12

Tgt Ion:112 Resp: 263458
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 57.1 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: 5.43 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

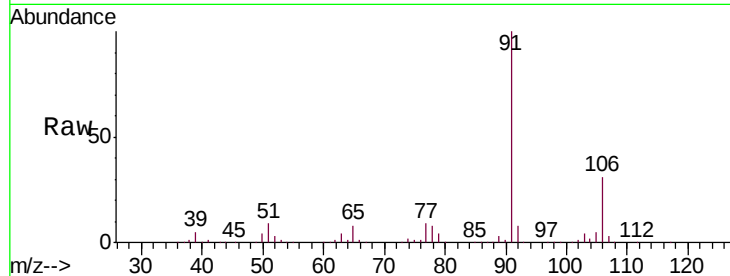
VSTD00575

Tot Ion: 91 Resp: 431688

Ion Ratio Lower Upper

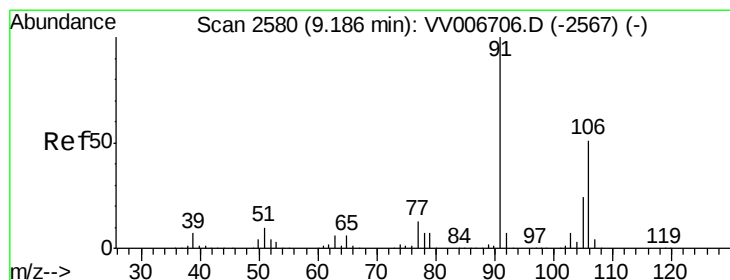
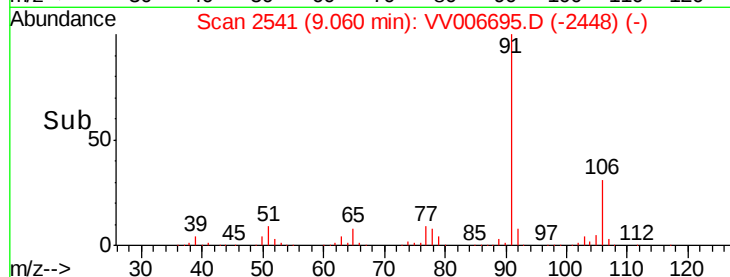
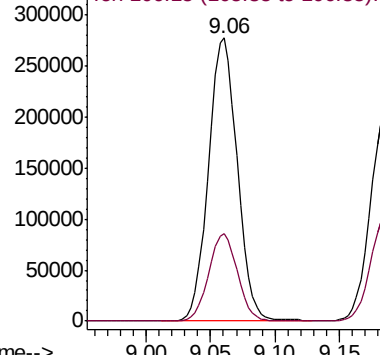
91 100

106 31.0 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.45 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006695.D

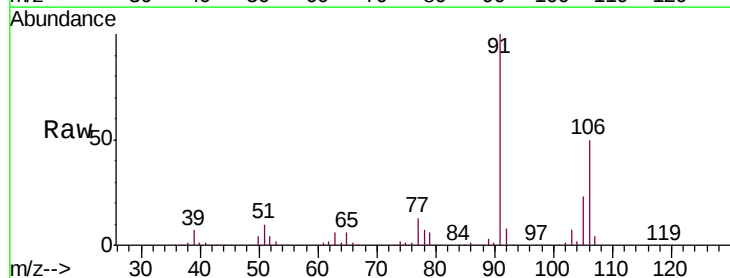
Acq: 23 Jul 2018 12:12

Tgt Ion: 106 Resp: 163757

Ion Ratio Lower Upper

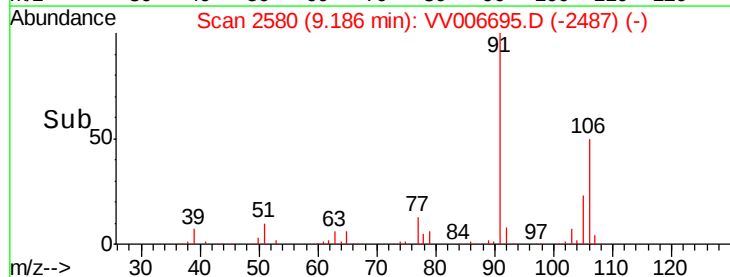
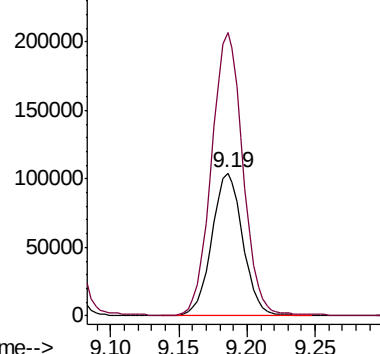
106 100

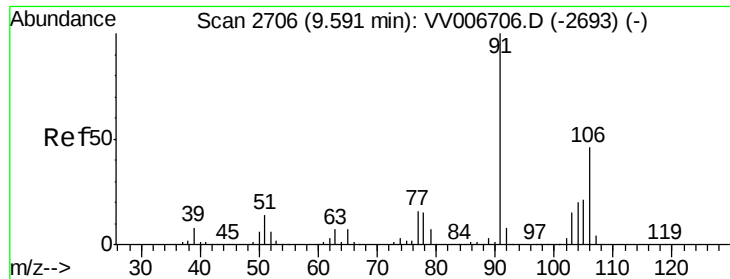
91 198.2 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 5.54 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

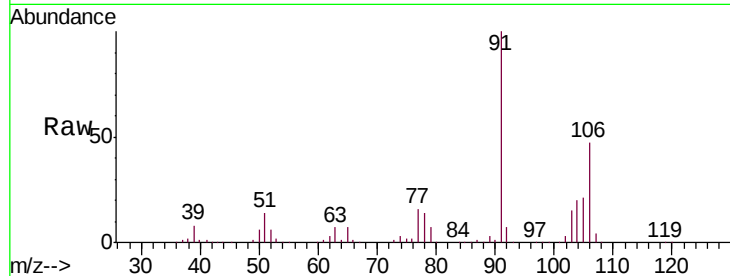
Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tot Ion:106 Resp: 162123

Ion Ratio Lower Upper

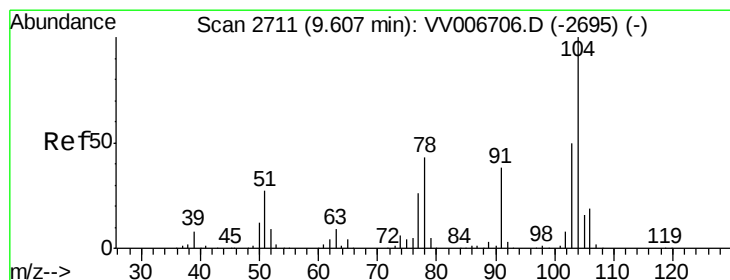
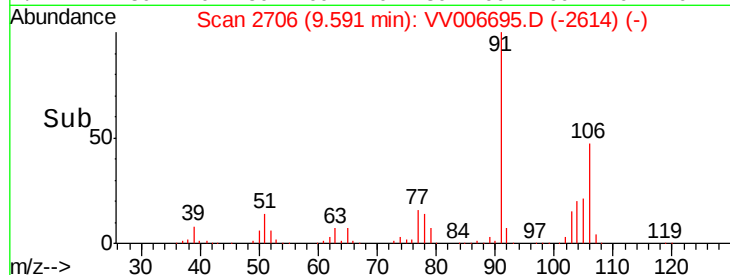
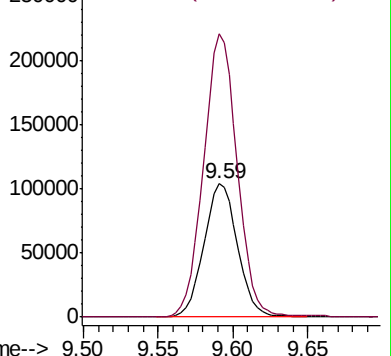
106 100

91 212.8 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.78 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006695.D

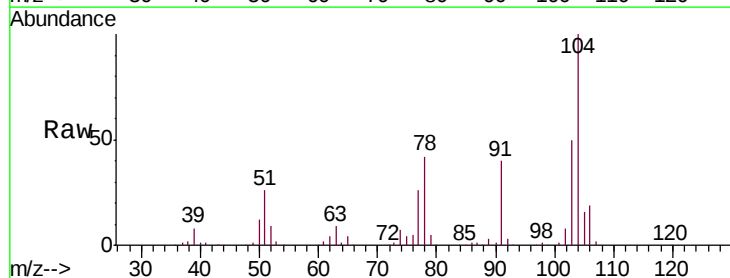
Acq: 23 Jul 2018 12:12

Tgt Ion:104 Resp: 285150

Ion Ratio Lower Upper

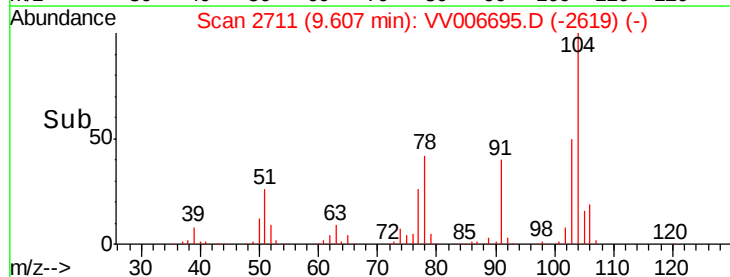
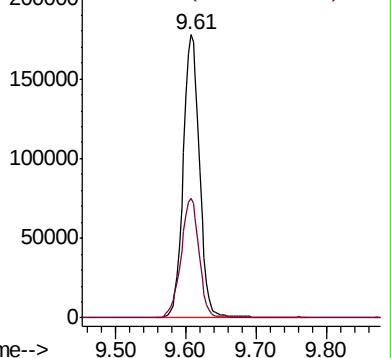
104 100

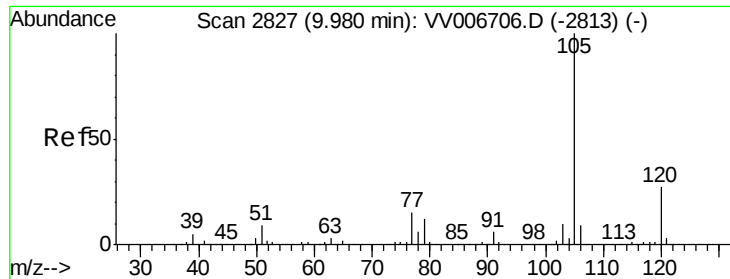
78 42.4 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.78 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

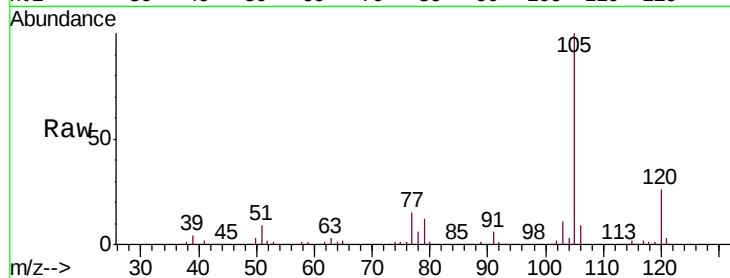
Tot Ion:105 Resp: 438898

Ion Ratio Lower Upper

105 100

120 26.1 21.5 32.3

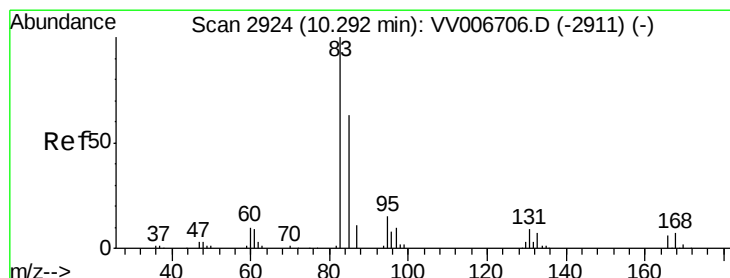
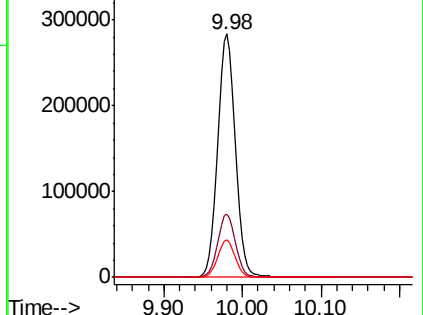
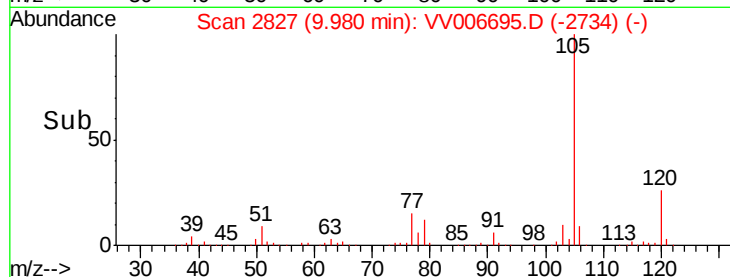
77 15.2 12.2 18.2



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: 5.85 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

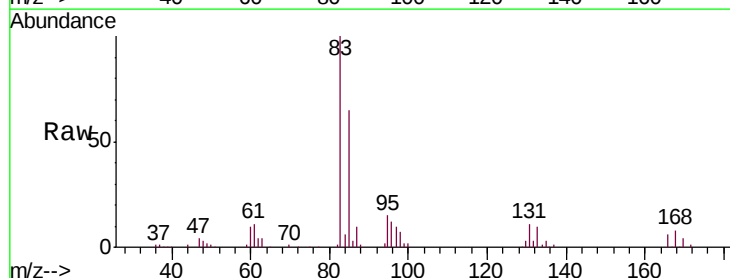
Tgt Ion: 83 Resp: 89666

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.6

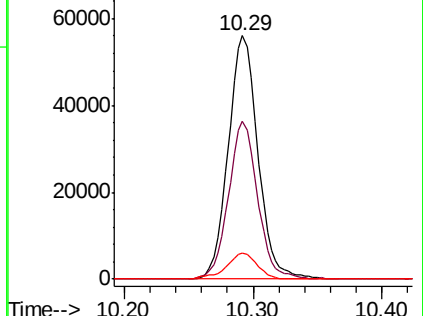
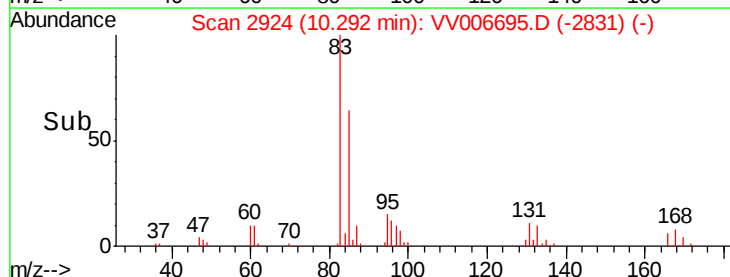
131 10.6 8.0 12.0

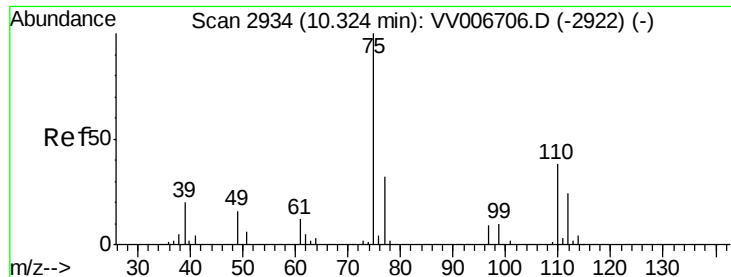


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

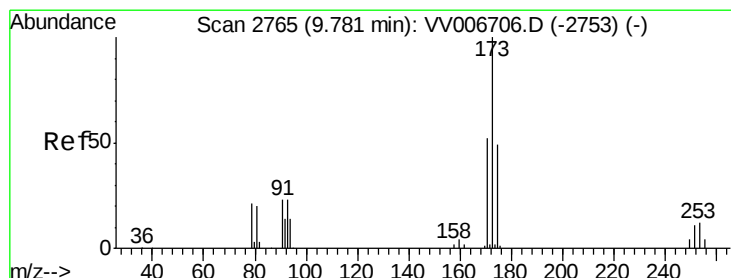
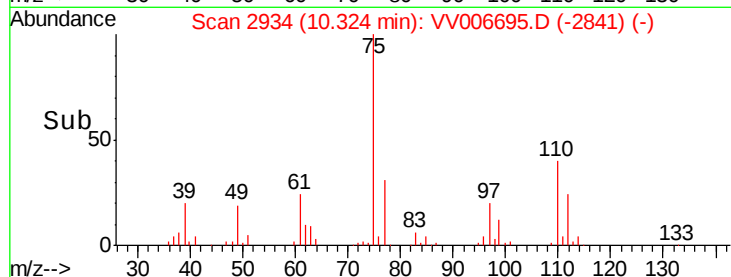
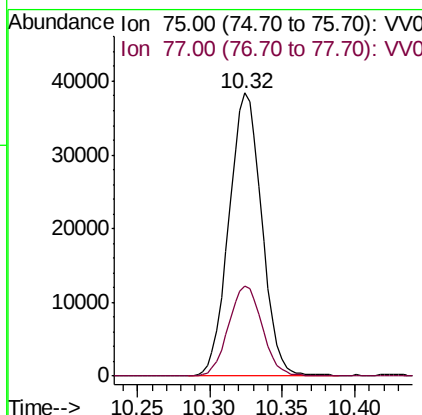
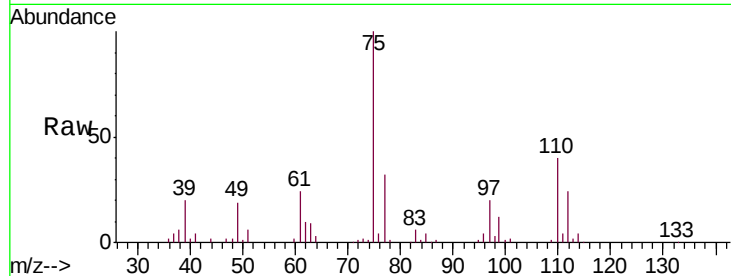




#59
 1,2,3-Trichloropropane
 Concen: 5.51 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

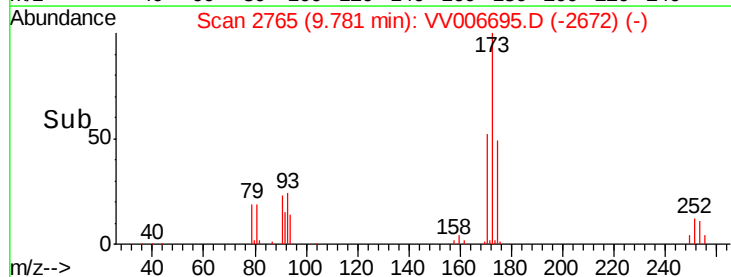
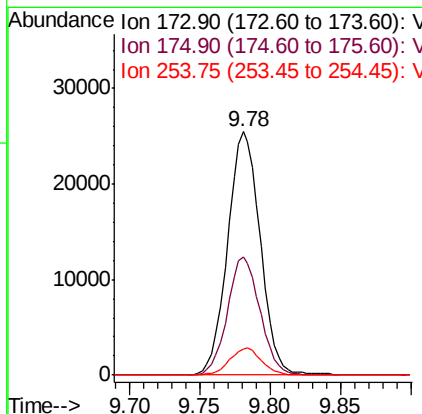
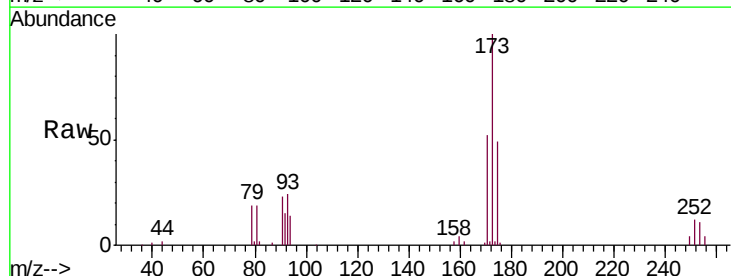
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

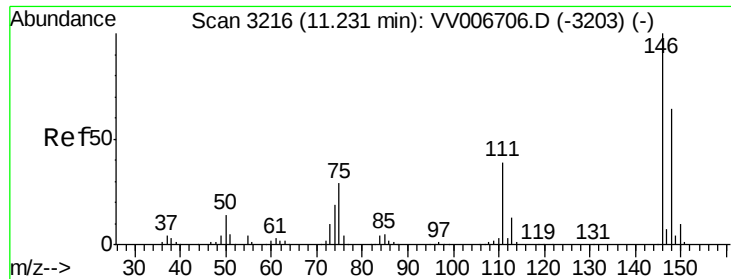
Tot Ion: 75 Resp: 60304
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.1 39.1



#61
 Bromoform
 Concen: 5.69 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Tgt Ion: 173 Resp: 41174
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.1 58.7
 254 10.9 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.53 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

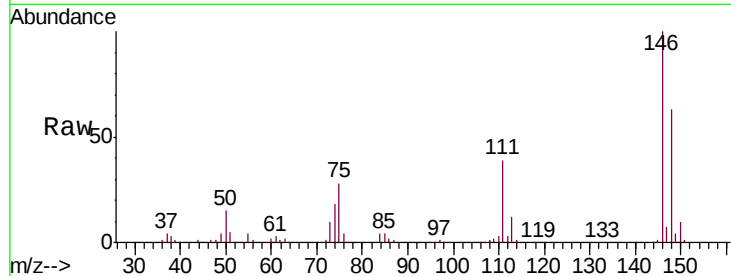
Tot Ion:146 Resp: 203555

Ion Ratio Lower Upper

146 100

111 39.3 27.5 51.1

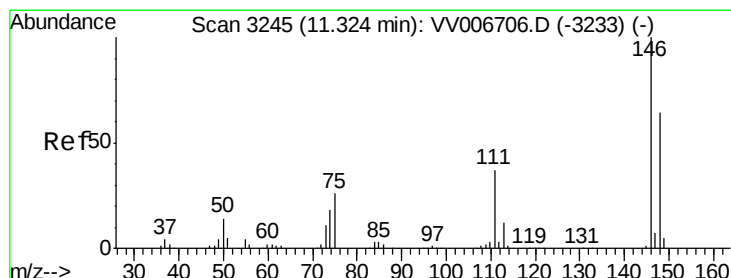
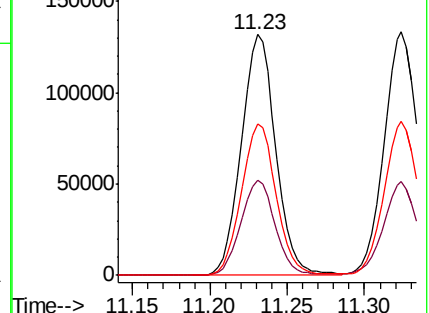
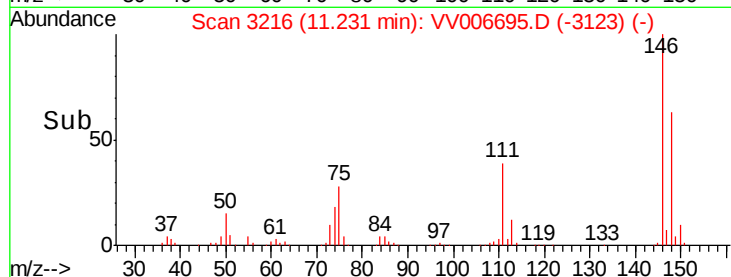
148 62.9 44.5 82.7



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: 5.56 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

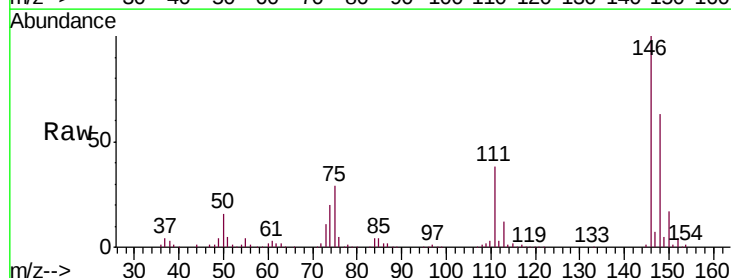
Tgt Ion:146 Resp: 208450

Ion Ratio Lower Upper

146 100

111 38.4 27.0 50.2

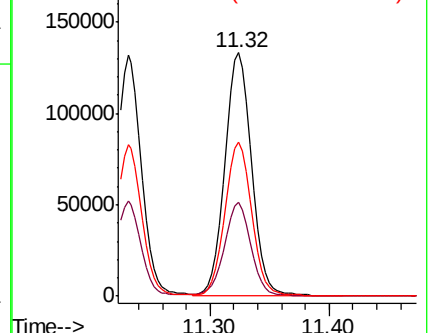
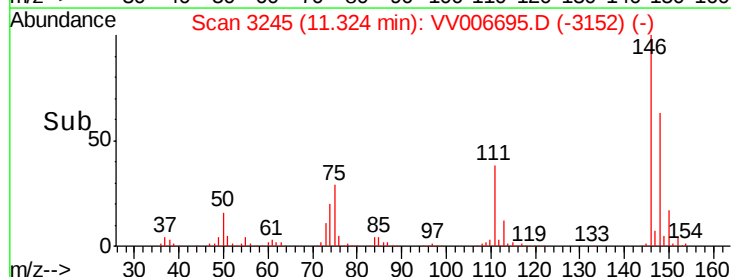
148 63.5 45.1 83.7

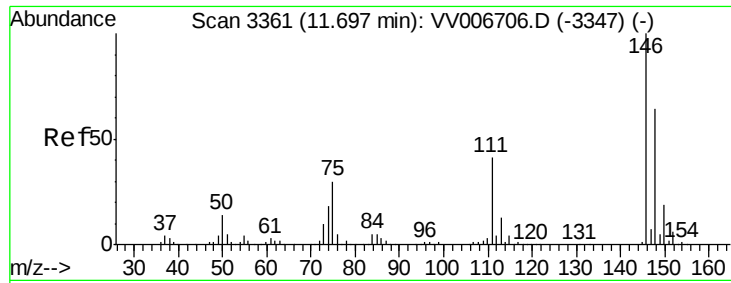


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.63 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

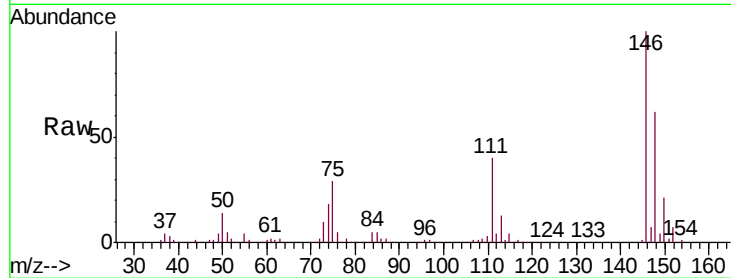
Tot Ion:146 Resp: 201582

Ion Ratio Lower Upper

146 100

111 39.9 32.9 49.3

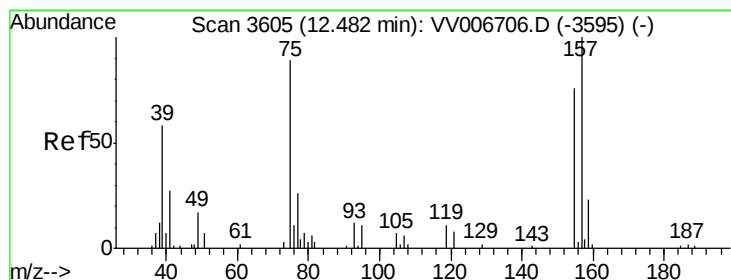
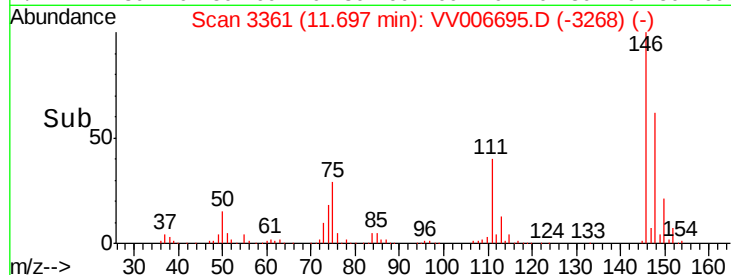
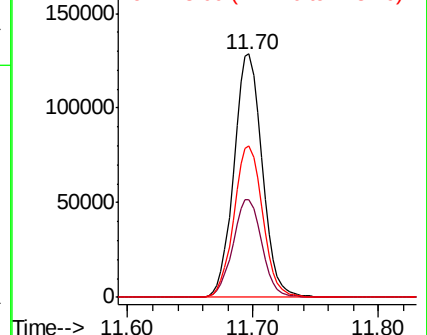
148 62.1 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.57 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

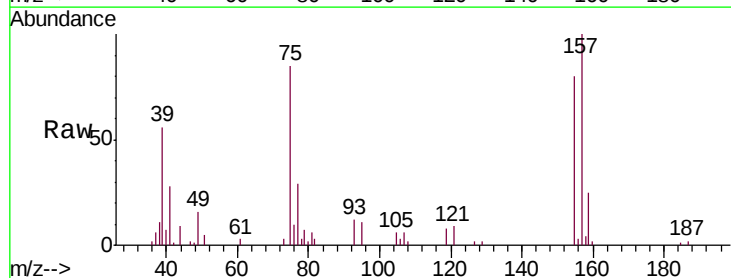
Tgt Ion: 75 Resp: 11945

Ion Ratio Lower Upper

75 100

155 94.2 68.8 103.2

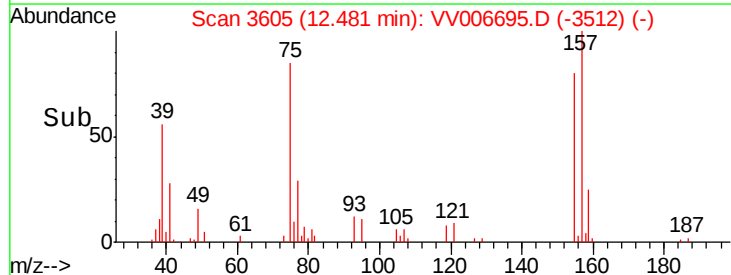
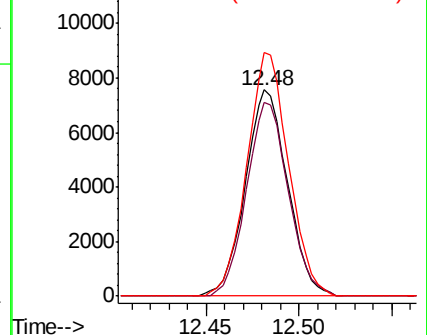
157 118.2 85.6 128.4

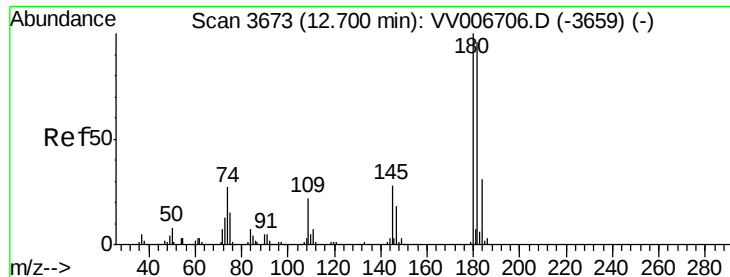


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

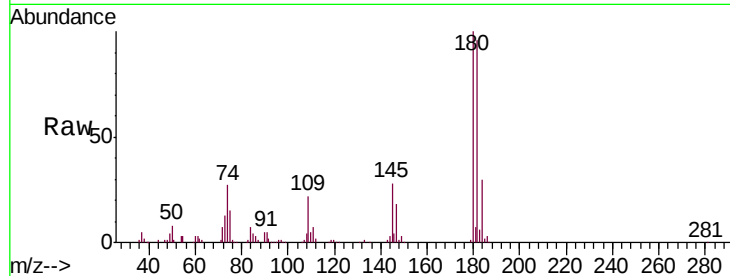




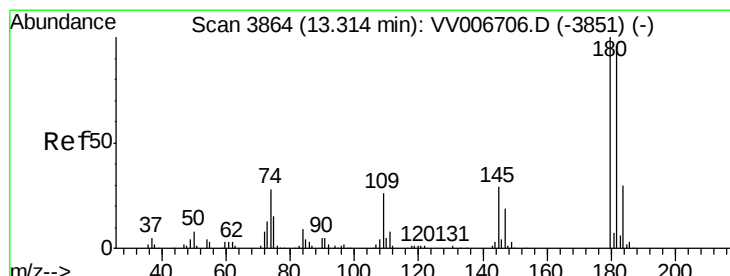
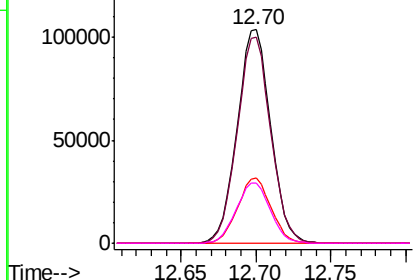
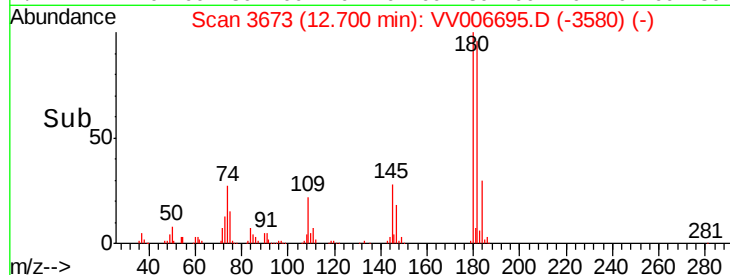
#67
 1,3,5-Trichlorobenzene
 Concen: 5.76 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tot Ion:180	Resp:	161827
Ion Ratio	Lower	Upper
180	100	
182	96.2	76.8 115.2
184	30.2	24.6 37.0
145	28.8	22.8 34.2

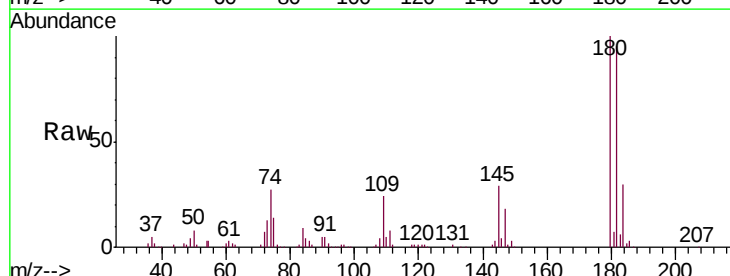


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

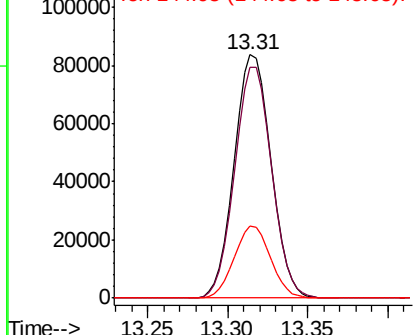
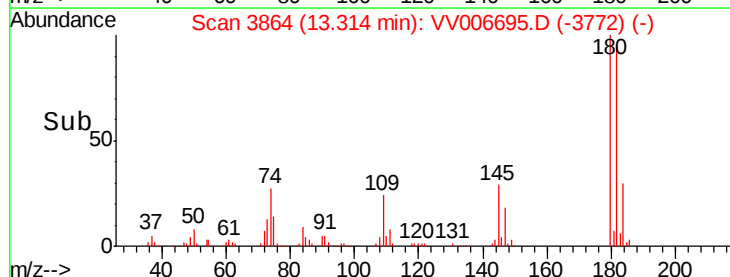


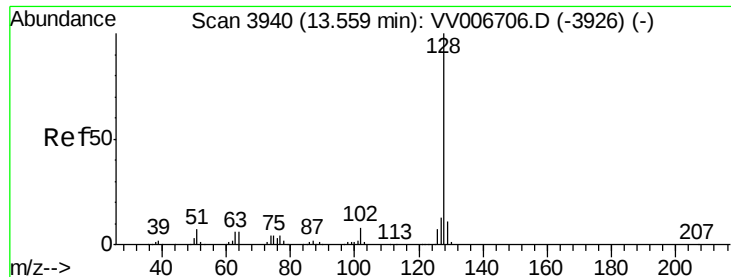
#68
 1,2,4-trichlorobenzene
 Concen: 5.87 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006695.D
 Acq: 23 Jul 2018 12:12

Tgt Ion:180	Resp:	131062
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.2 114.4
145	29.2	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: 5.70 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

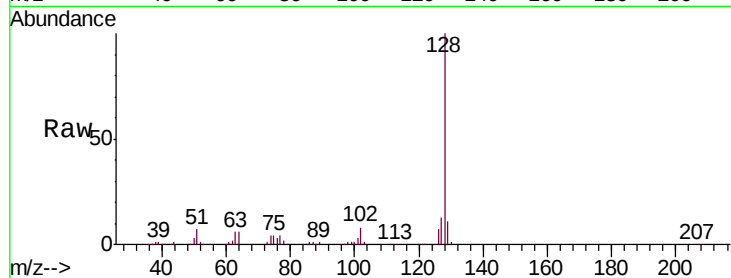
Tot Ion:128 Resp: 217608

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

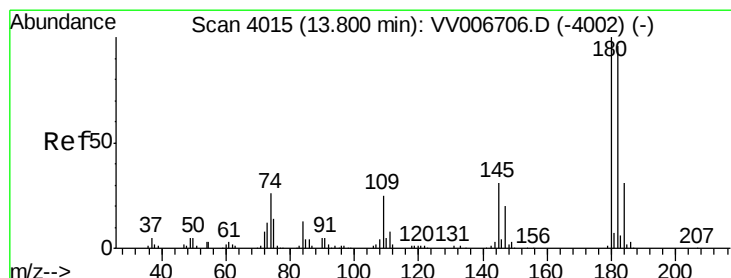
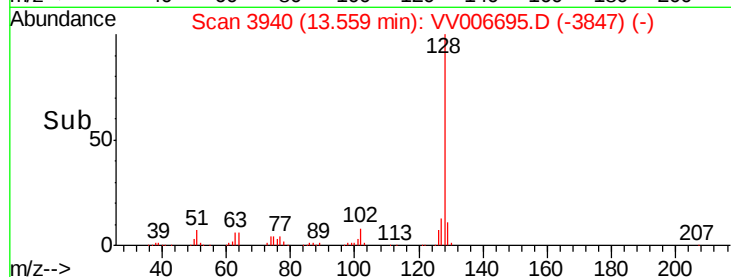
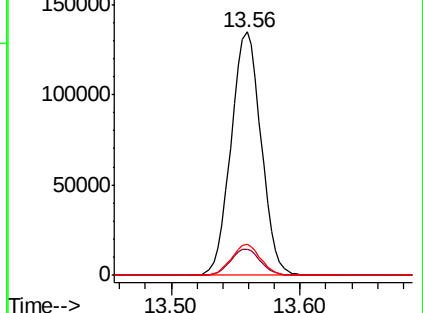
127 12.4 10.3 15.5



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: 5.85 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006695.D

Acq: 23 Jul 2018 12:12

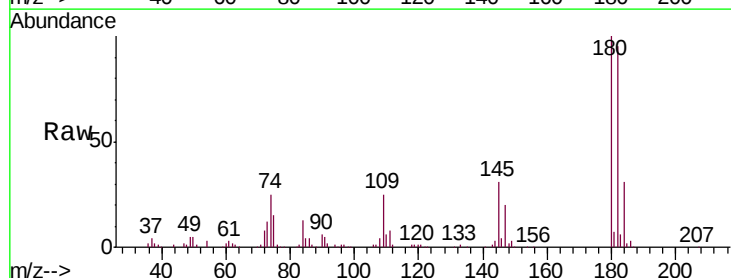
Tgt Ion:180 Resp: 123491

Ion Ratio Lower Upper

180 100

182 96.4 75.3 112.9

145 31.3 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

