

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
 Data File : VV006696.D
 Acq On : 23 Jul 2018 13:18
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

Quant Time: Jul 24 02:05:06 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	335388	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	304997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135003	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8216	0.47	ug/L	0.00
7) Chloroethane-d5	1.58	69	6939	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17131	0.50	ug/L	0.00
20) 2-Butanone-d5	3.95	46	22934	4.21	ug/L	0.00
24) Chloroform-d	4.40	84	14692	0.45	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	7528	0.47	ug/L	0.00
32) Benzene-d6	5.10	84	29511	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	10060	0.47	ug/L	0.00
41) Toluene-d8	7.36	98	25186	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3019	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	16428	3.75	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	7686	0.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	9817	0.49	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15504	0.582 ug/L #	86
3) Chloromethane	1.26	50	12960	0.506 ug/L	98
5) Vinyl chloride	1.32	62	16548	0.516 ug/L #	67
6) Bromomethane	1.54	94	5756	0.733 ug/L	93
8) Chloroethane	1.60	64	10066	0.573 ug/L	92
9) Trichlorofluoromethane	1.77	101	19506	0.530 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11403	0.508 ug/L	98
12) 1,1-Dichloroethene	2.14	96	11626	0.529 ug/L	95
13) Acetone	2.19	43	18269	5.265 ug/L	98
14) Carbon disulfide	2.32	76	39002	0.528 ug/L	97
15) Methyl Acetate	2.46	43	5521	0.537 ug/L	96
16) Methylene chloride	2.54	84	15031	0.597 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	27954	0.519 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	12680	0.531 ug/L	97
19) 1,1-Dichloroethane	3.23	63	23277	0.530 ug/L	99
21) 2-Butanone	4.04	43	29245	5.032 ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	12708	0.511 ug/L	96
23) Bromochloromethane	4.30	128	5253	0.513 ug/L	98
25) Chloroform	4.43	83	22442	0.545 ug/L	94
27) 1,2-Dichloroethane	5.19	62	12648	0.523 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	16959	0.517 ug/L	99
30) Cyclohexane	4.72	56	18153	0.494 ug/L	99
31) Carbon tetrachloride	4.88	117	14426	0.514 ug/L	100
33) Benzene	5.15	78	47257	0.515 ug/L	100
34) Trichloroethene	5.96	95	12249	0.529 ug/L	98
35) Methylcyclohexane	6.18	83	18730	0.484 ug/L	97
37) 1,2-Dichloropropane	6.23	63	12586	0.535 ug/L	100
38) Bromodichloromethane	6.56	83	13484	0.513 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	14431	0.471 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	62199	4.807 ug/L	98

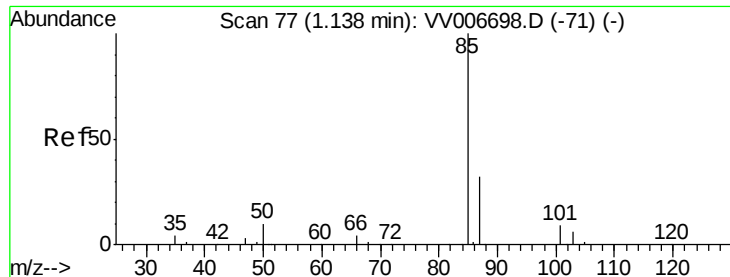
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	47294	0.501	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	10937	0.454	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	8084	0.510	ug/L	94
47) Tetrachloroethene	8.02	164	9276	0.505	ug/L	98
48) 2-Hexanone	8.19	43	40330	4.467	ug/L	98
49) Dibromochloromethane	8.30	129	7937	0.473	ug/L	94
50) 1,2-Dibromoethane	8.40	107	7077	0.500	ug/L	100
51) Chlorobenzene	8.93	112	31933	0.520	ug/L	99
52) Ethylbenzene	9.06	91	49042	0.487	ug/L	96
53) m,p-xylene	9.19	106	18272	0.481	ug/L	98
54) o-xylene	9.59	106	17094	0.462	ug/L	98
55) Styrene	9.61	104	27390	0.439	ug/L	99
56) Isopropylbenzene	9.98	105	43745	0.455	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	9826	0.507	ug/L	99
59) 1,2,3-Trichloropropane	10.33	75	7076	0.511	ug/L	96
61) Bromoform	9.78	173	4186	0.510	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	21401	0.513	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	22431	0.527	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	21117	0.519	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.49	75	1238	0.509	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	15678	0.492	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	11952	0.472	ug/L	96
69) Naphthalene	13.56	128	18866	0.436	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	11216	0.468	ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.582 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

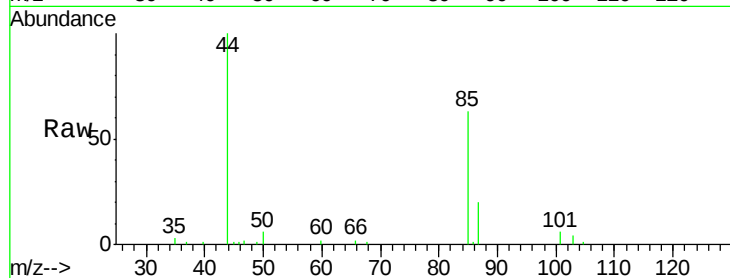
VSTD0.575

Tgt Ion: 85 Resp: 15504

Ion Ratio Lower Upper

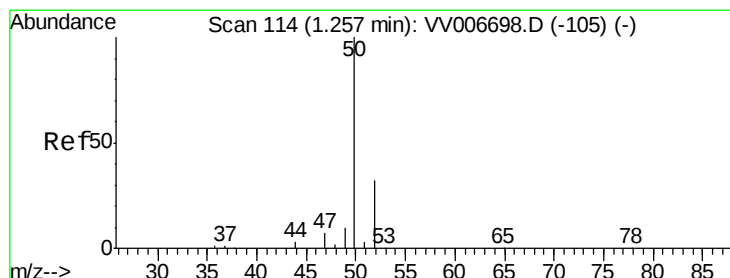
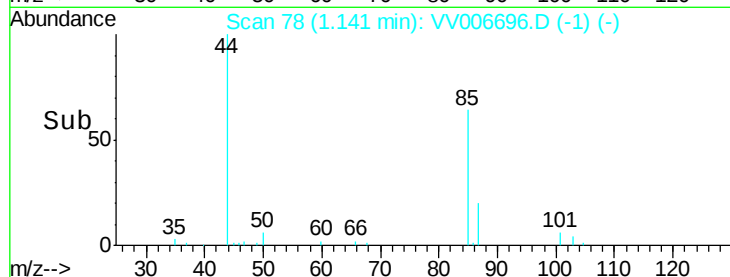
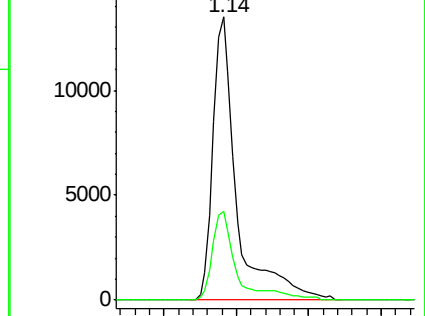
85 100

87 32.0 19.9 29.9#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.506 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006696.D

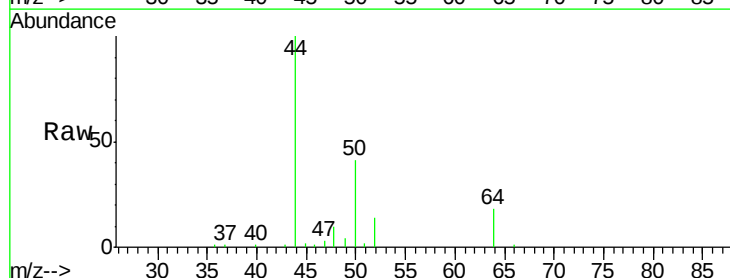
Acq: 23 Jul 2018 13:18

Tgt Ion: 50 Resp: 12960

Ion Ratio Lower Upper

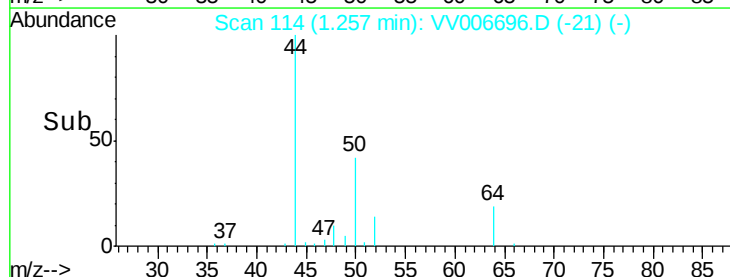
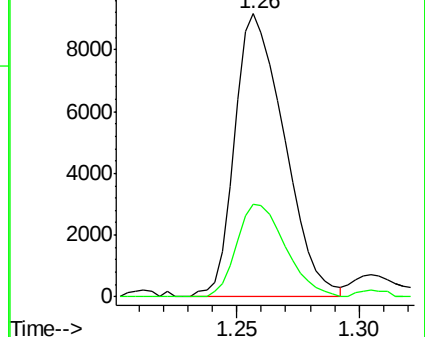
50 100

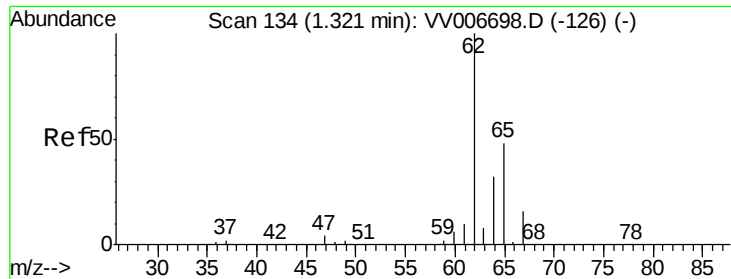
52 33.0 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.516 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampled :

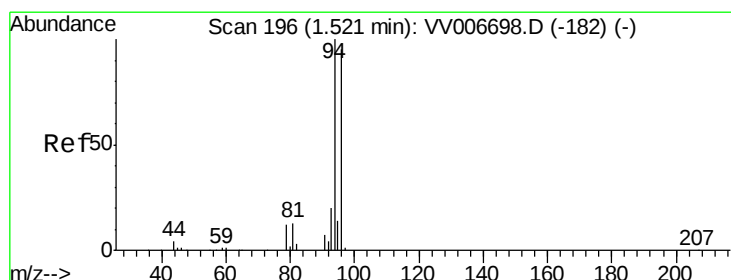
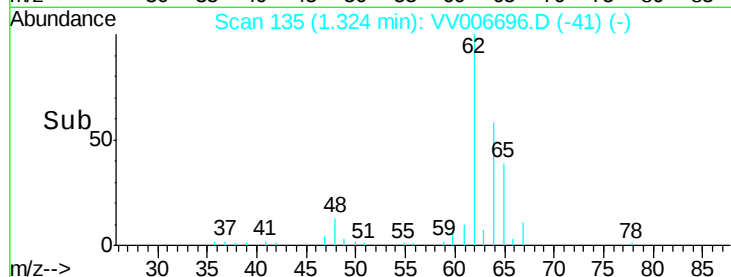
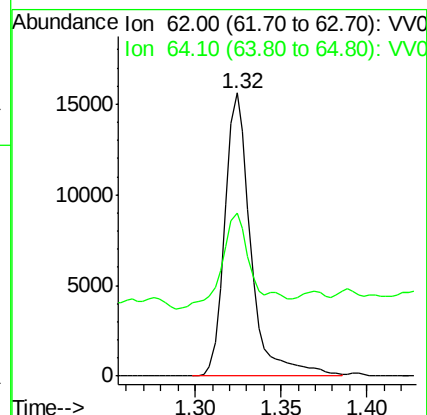
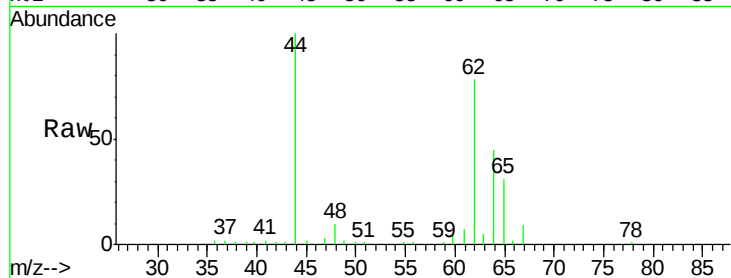
VSTD0.575

Tgt Ion: 62 Resp: 16548

Ion Ratio Lower Upper

62 100

64 57.7 26.5 49.3#



#6

Bromomethane

Concen: 0.733 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.02 min

Lab File: VV006696.D

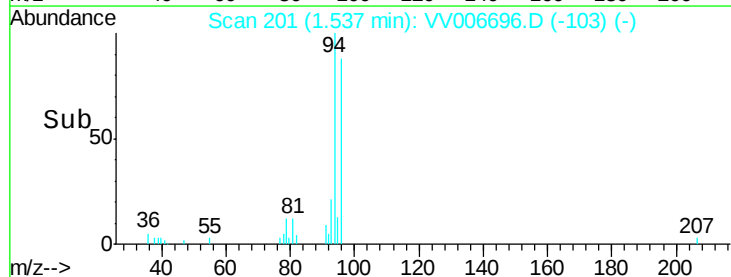
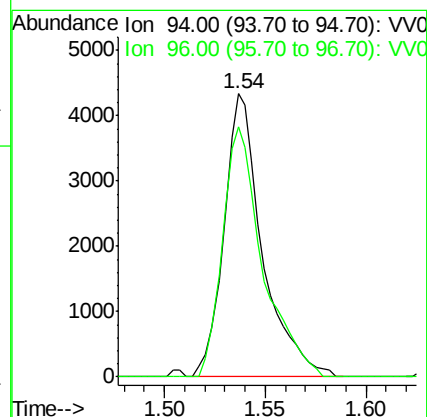
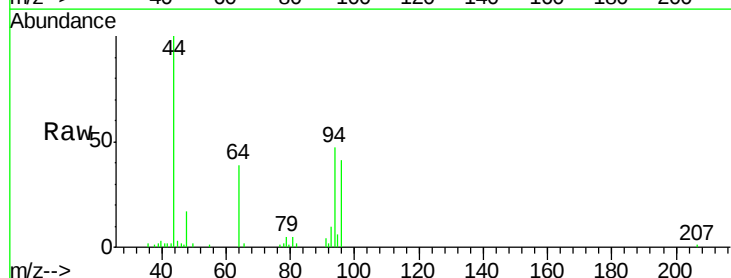
Acq: 23 Jul 2018 13:18

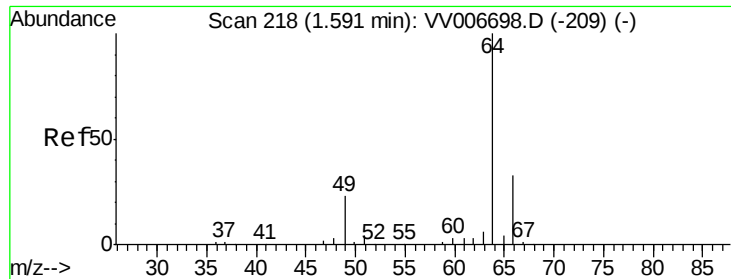
Tgt Ion: 94 Resp: 5756

Ion Ratio Lower Upper

94 100

96 88.2 66.4 123.4





#8

Chloroethane

Concen: 0.573 ug/L

RT: 1.60 min Scan# 222

Delta R.T. 0.01 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

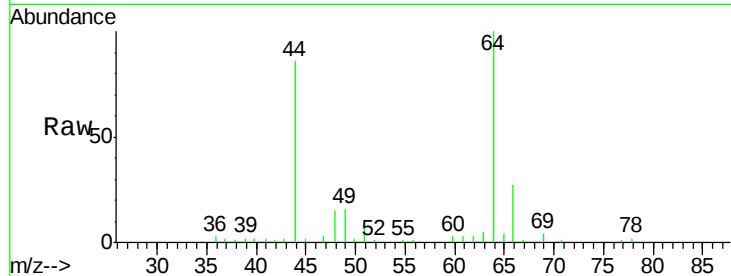
VSTD0.575

Tgt Ion: 64 Resp: 10066

Ion Ratio Lower Upper

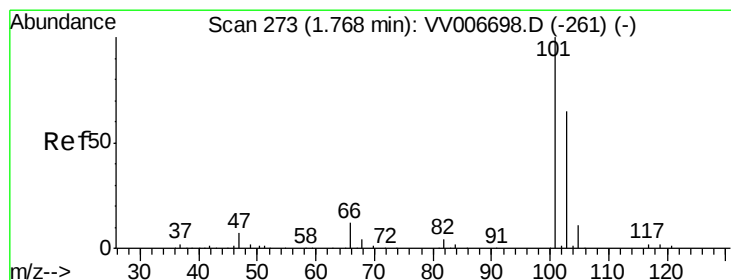
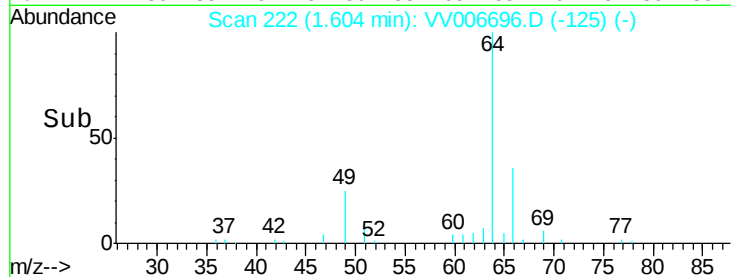
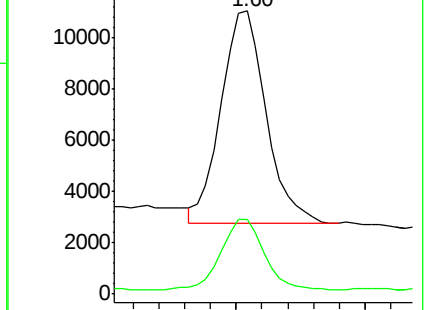
64 100

66 26.6 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV006696.D (-125) (-)

Ion 66.05 (65.75 to 66.75): VV006696.D (-125) (-)



#9

Trichlorofluoromethane

Concen: 0.530 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV006696.D

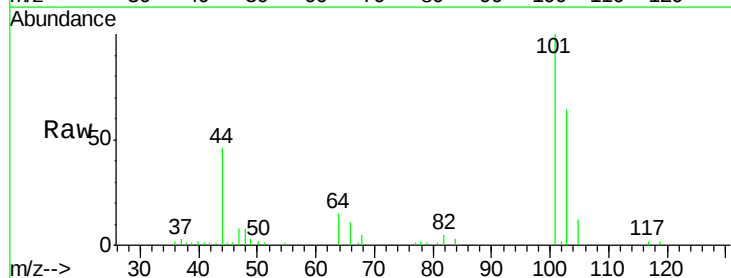
Acq: 23 Jul 2018 13:18

Tgt Ion: 101 Resp: 19506

Ion Ratio Lower Upper

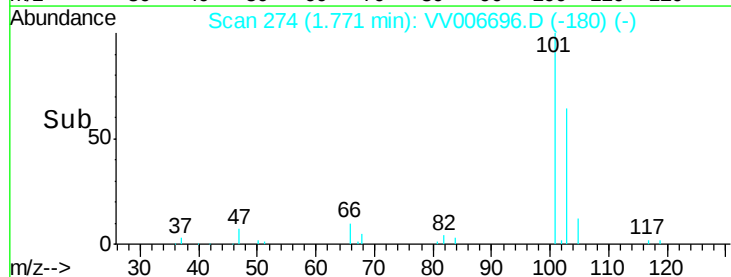
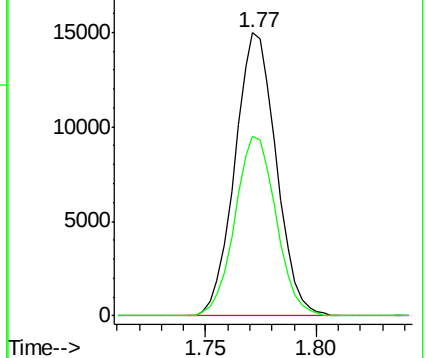
101 100

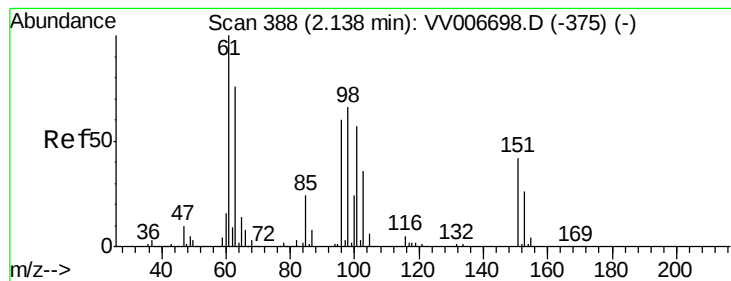
103 63.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006696.D (-180) (-)

Ion 103.00 (102.70 to 103.70): VV006696.D (-180) (-)





#10

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

Concen: 0.508 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

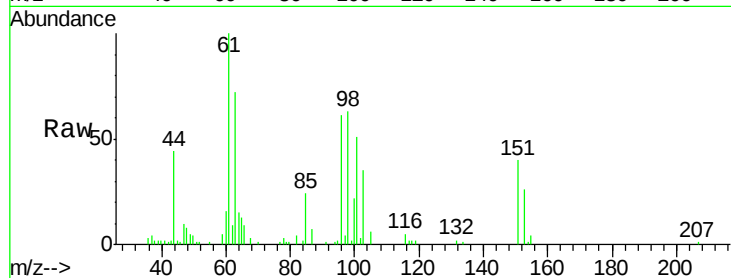
Tgt Ion:101 Resp: 11403

Ion Ratio Lower Upper

101 100

85 42.6 33.1 49.7

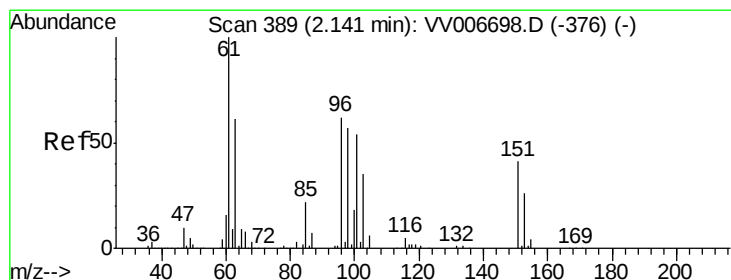
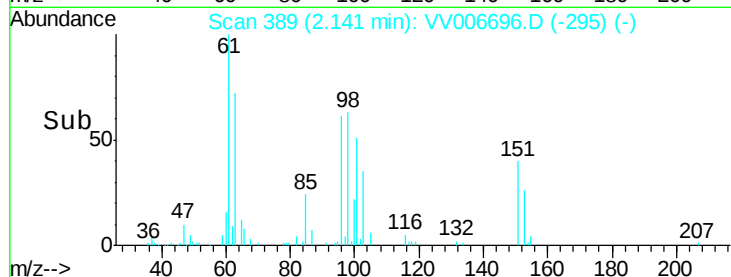
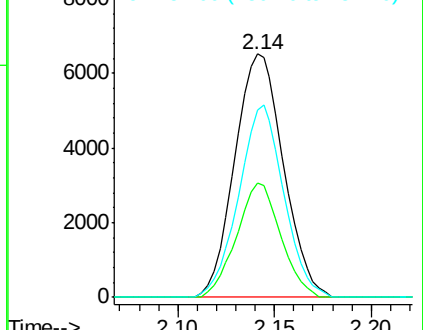
151 73.3 59.7 89.5



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: 0.529 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

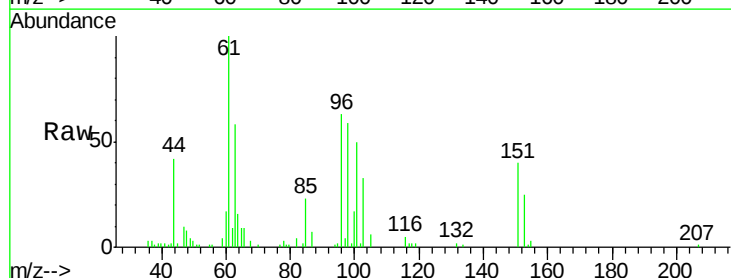
Tgt Ion: 96 Resp: 11626

Ion Ratio Lower Upper

96 100

61 158.2 113.5 210.9

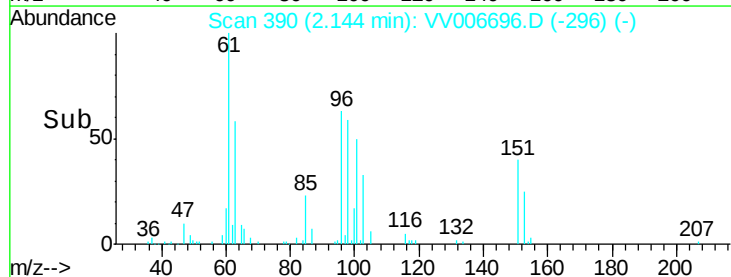
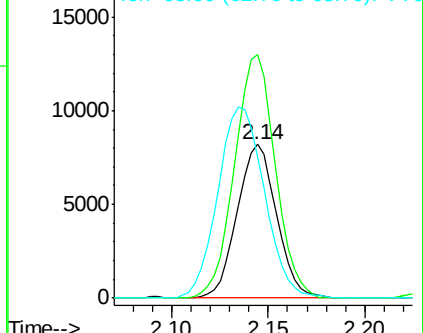
63 92.1 69.5 129.1

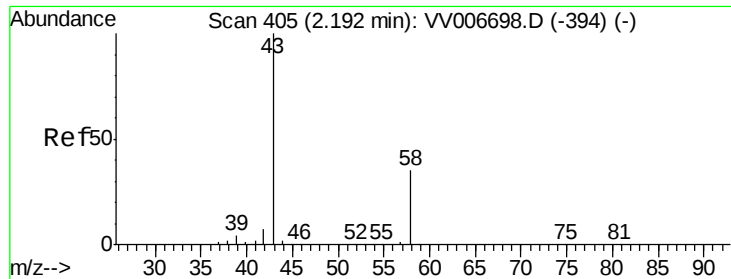


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

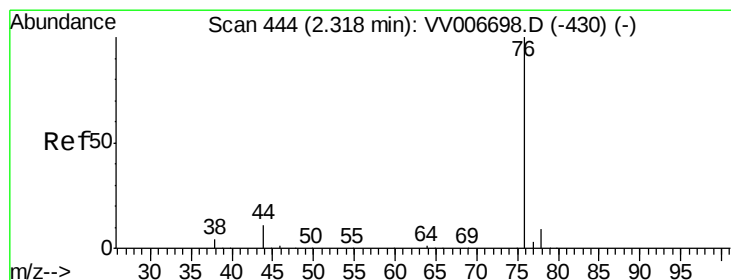
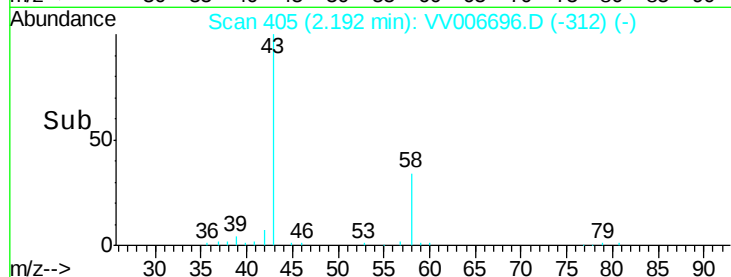
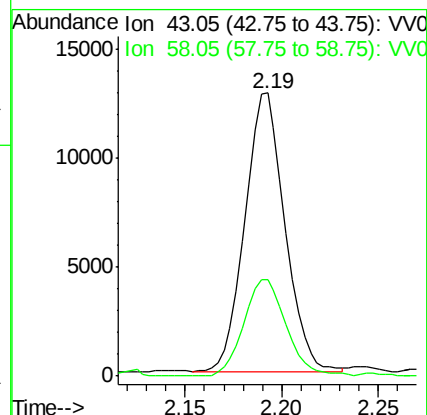
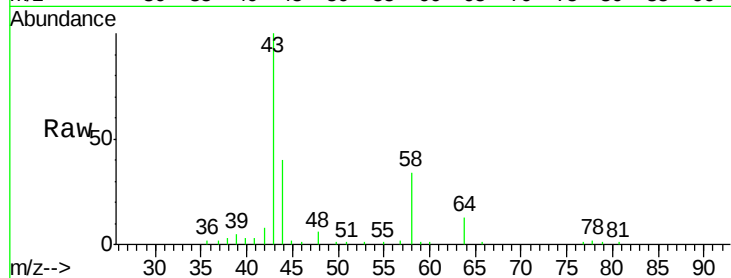




#13
Acetone
Concen: 5.265 ug/L
RT: 2.19 min Scan# 405
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

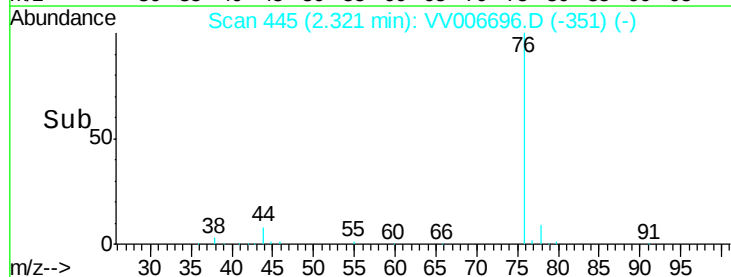
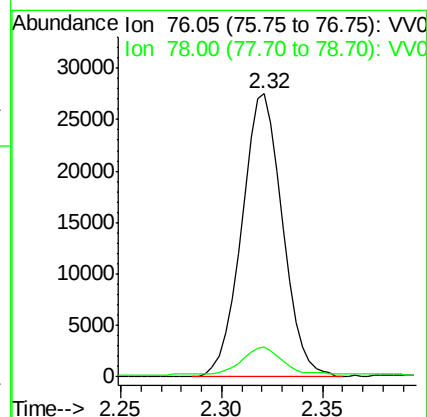
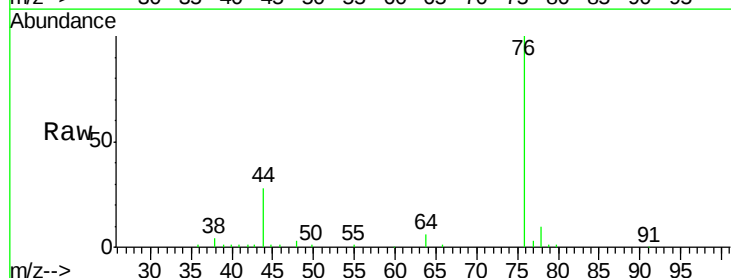
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

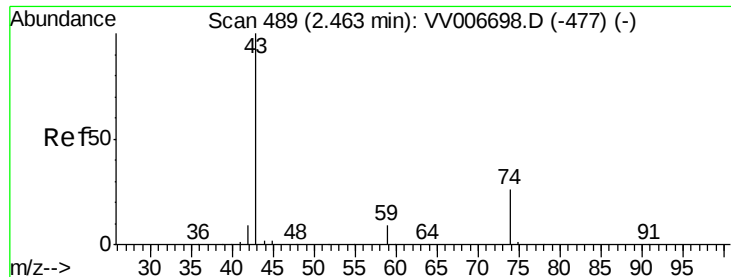
Tgt Ion: 43 Resp: 18269
Ion Ratio Lower Upper
43 100
58 37.1 0.0 71.4



#14
Carbon disulfide
Concen: 0.528 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

Tgt Ion: 76 Resp: 39002
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.2





#15

Methyl Acetate

Concen: 0.537 ug/L

RT: 2.46 min Scan# 488

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

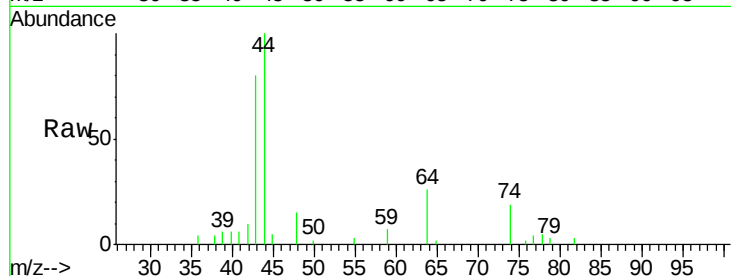
VSTD0.575

Tgt Ion: 43 Resp: 5521

Ion Ratio Lower Upper

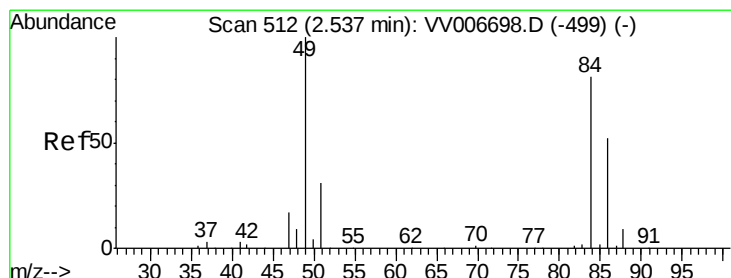
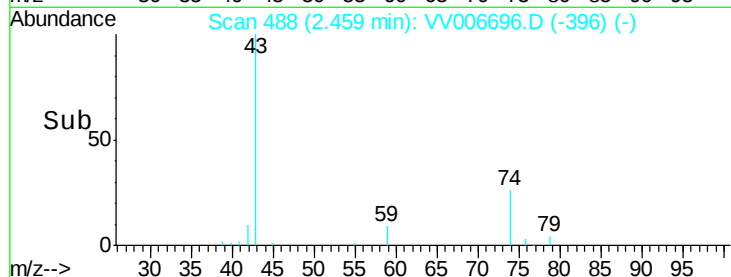
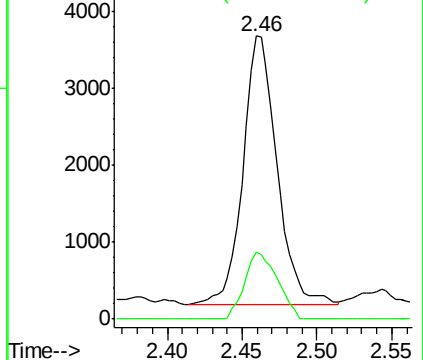
43 100

74 23.9 20.6 31.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.597 ug/L

RT: 2.54 min Scan# 512

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

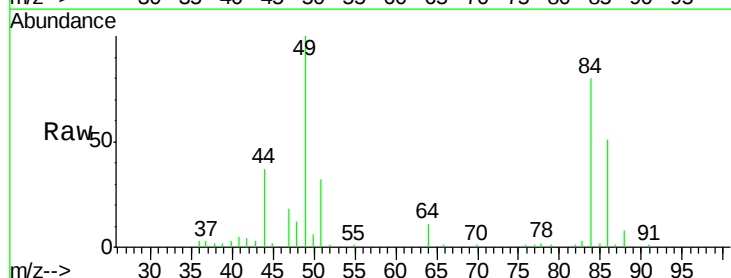
Tgt Ion: 84 Resp: 15031

Ion Ratio Lower Upper

84 100

86 63.5 44.7 83.1

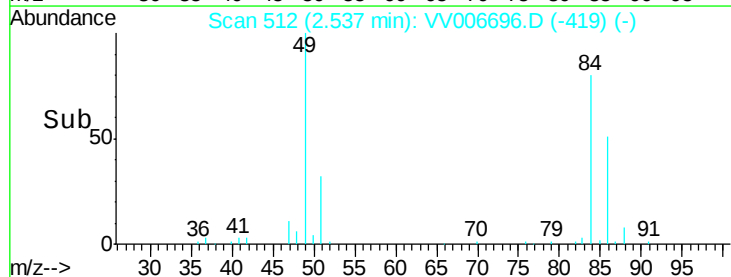
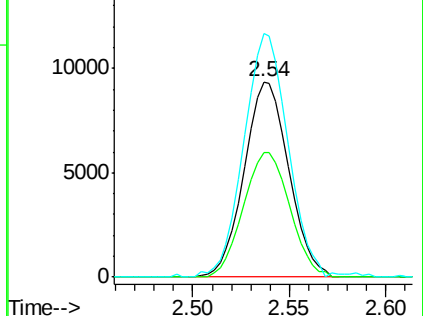
49 124.5 86.7 160.9

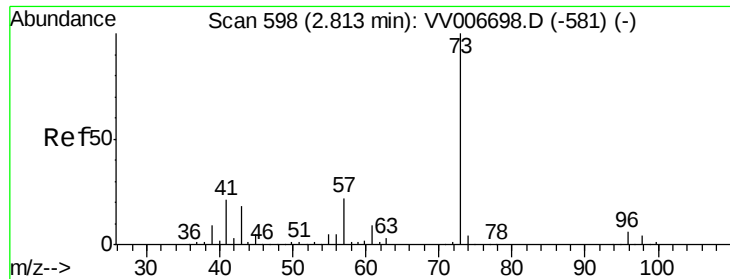


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

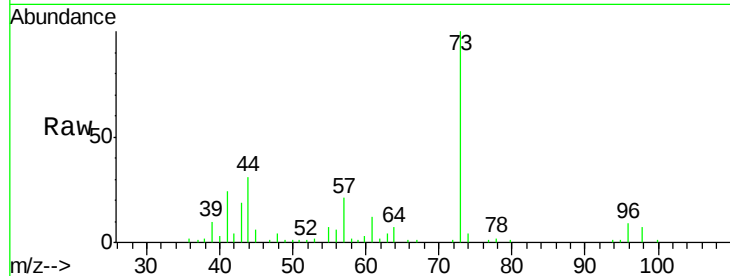




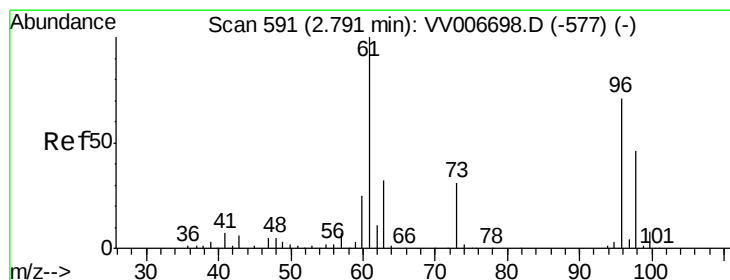
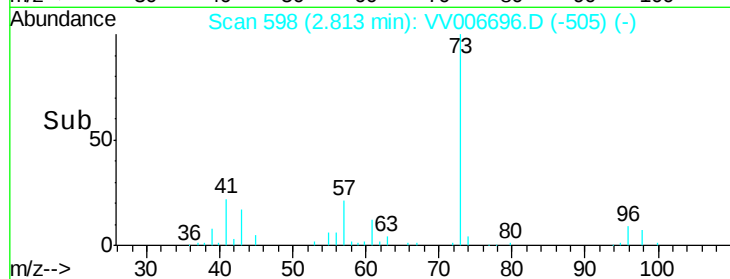
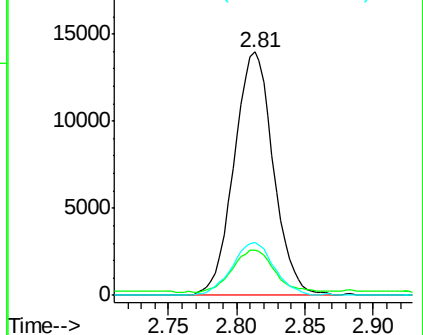
#17
Methyl tert-butyl Ether
Concen: 0.519 ug/L
RT: 2.81 min Scan# 598
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

Tgt Ion: 73 Resp: 27954
Ion Ratio Lower Upper
73 100
43 18.5 14.2 21.4
57 23.4 18.2 27.2

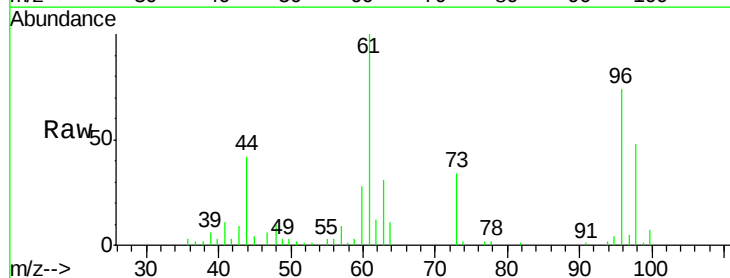


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

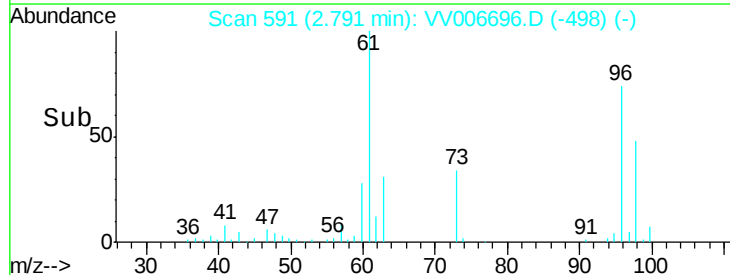
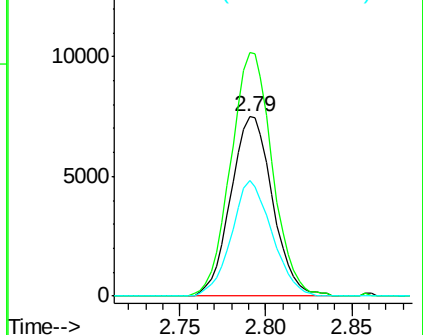


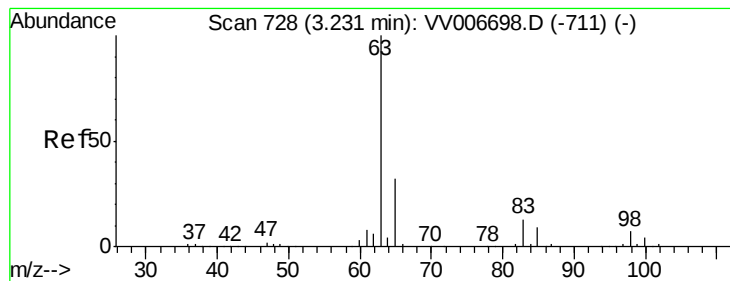
#18
trans-1,2-Dichloroethene
Concen: 0.531 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

Tgt Ion: 96 Resp: 12680
Ion Ratio Lower Upper
96 100
61 135.9 98.5 182.9
98 64.6 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: 0.530 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

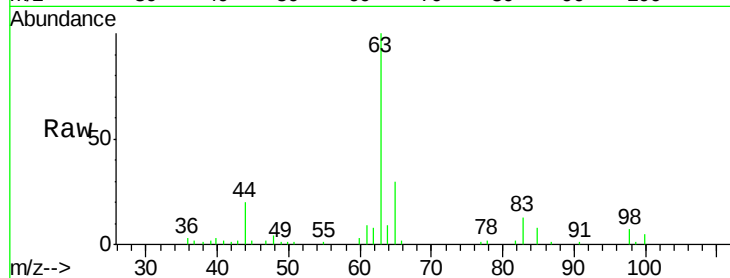
Tgt Ion: 63 Resp: 23277

Ion Ratio Lower Upper

63 100

65 31.4 22.4 41.6

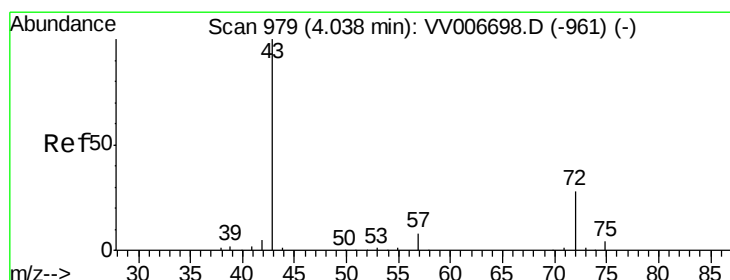
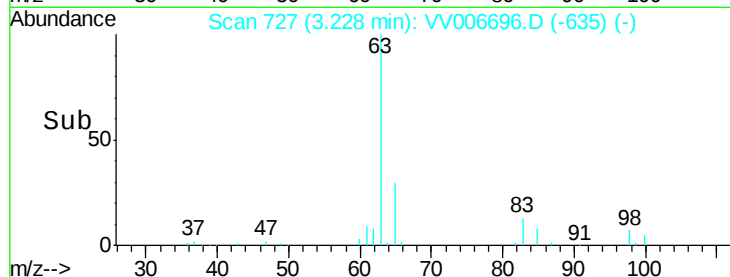
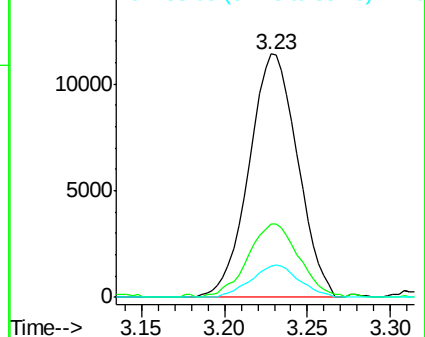
83 12.8 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV006696.D (-635) (-)

Ion 65.10 (64.80 to 65.80): VV006696.D (-635) (-)

Ion 83.05 (82.75 to 83.75): VV006696.D (-635) (-)



#21

2-Butanone

Concen: 5.032 ug/L

RT: 4.04 min Scan# 979

Delta R.T. -0.00 min

Lab File: VV006696.D

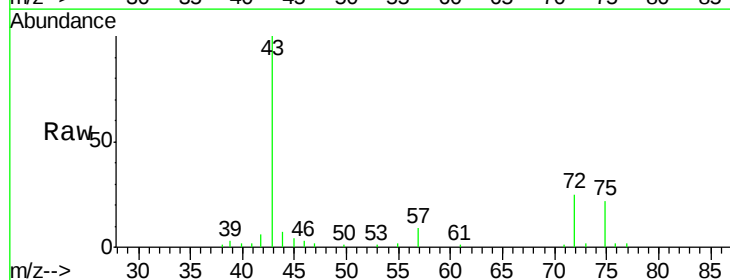
Acq: 23 Jul 2018 13:18

Tgt Ion: 43 Resp: 29245

Ion Ratio Lower Upper

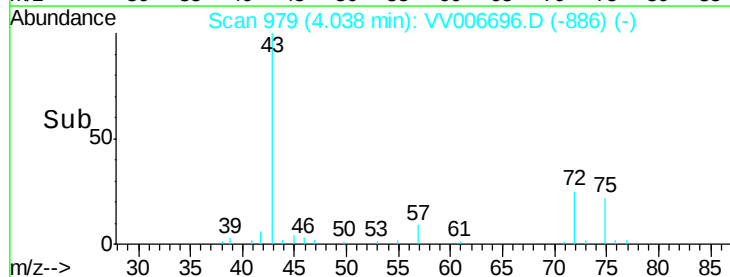
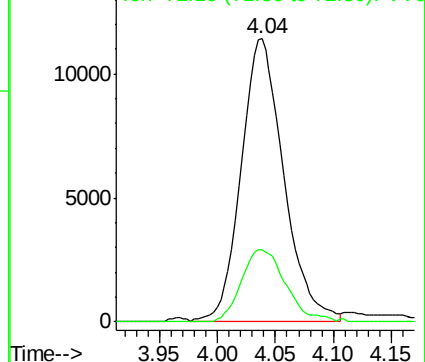
43 100

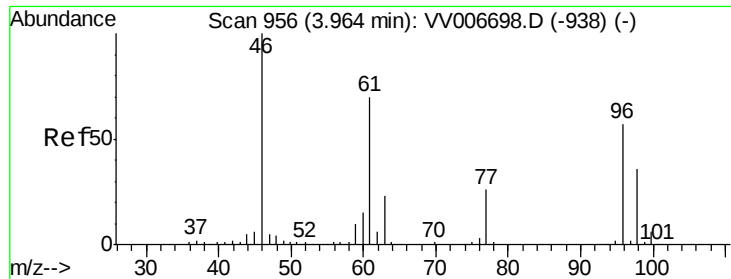
72 26.3 13.8 41.4



Abundance Ion 43.05 (42.75 to 43.75): VV006696.D (-886) (-)

Ion 72.10 (71.80 to 72.80): VV006696.D (-886) (-)



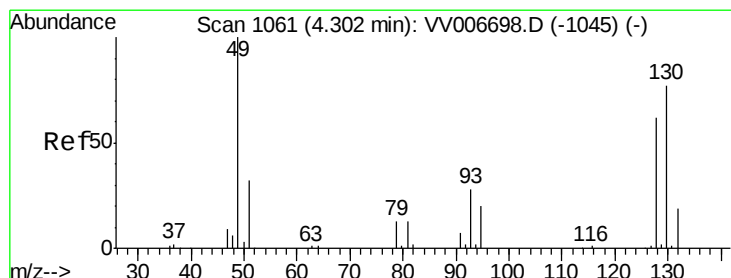
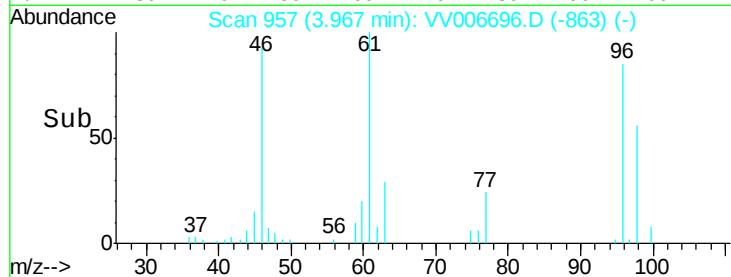
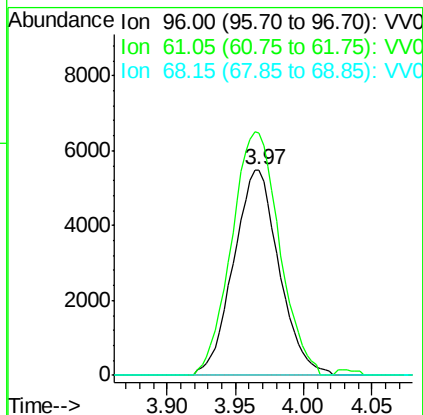
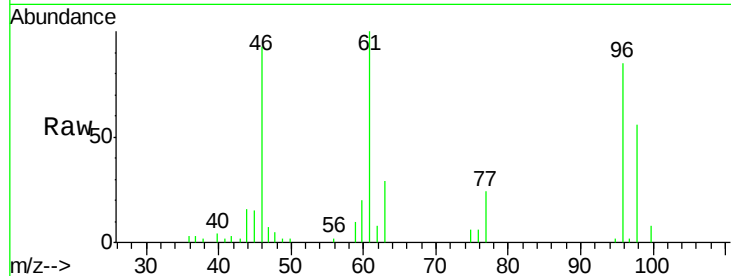


#22

cis-1,2-Dichloroethene
Concen: 0.511 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

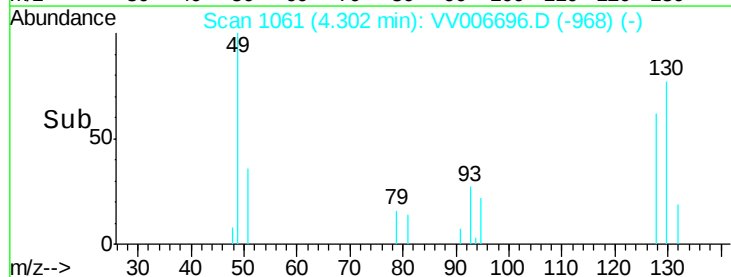
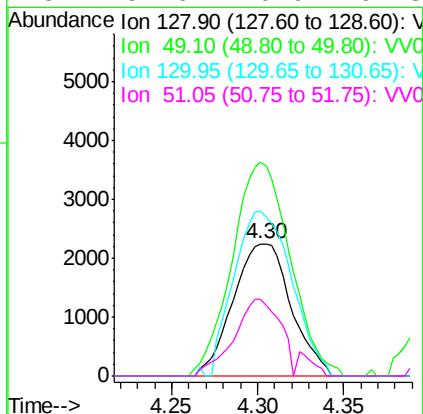
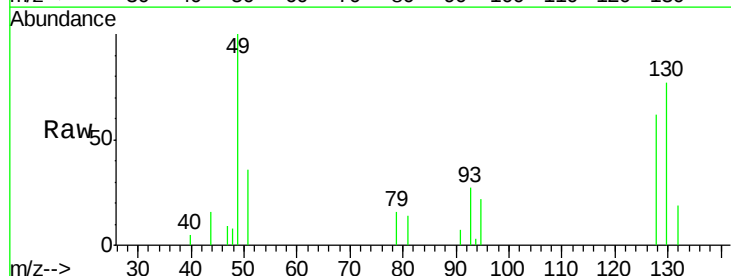
Tgt Ion: 96 Resp: 12708
Ion Ratio Lower Upper
96 100
61 118.0 85.5 158.9
68 0.0 0.0 0.0

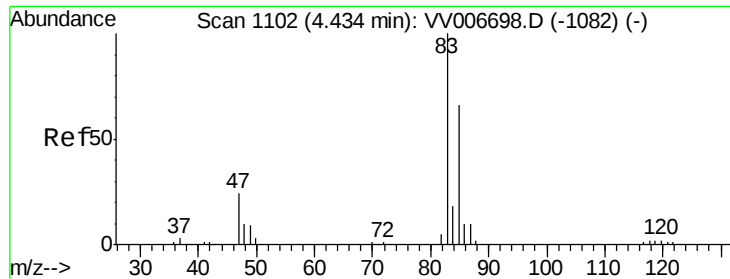


#23

Bromochloromethane
Concen: 0.513 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

Tgt Ion: 128 Resp: 5253
Ion Ratio Lower Upper
128 100
49 161.3 112.6 209.0
130 124.3 87.1 161.7
51 57.6 40.9 61.3

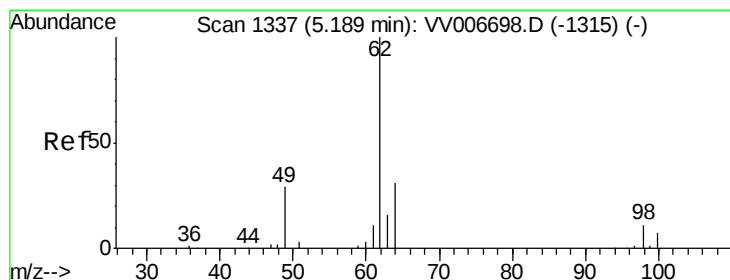
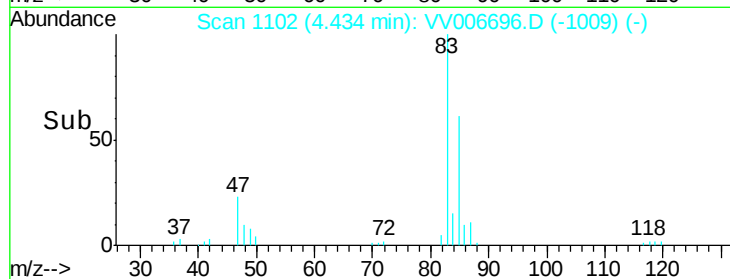
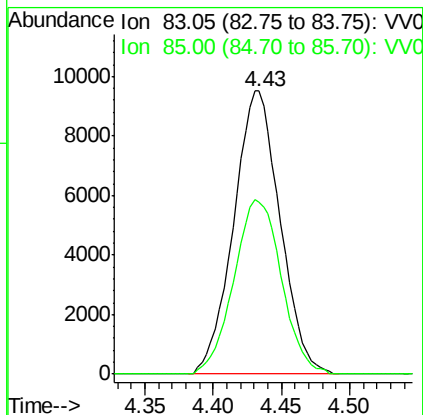
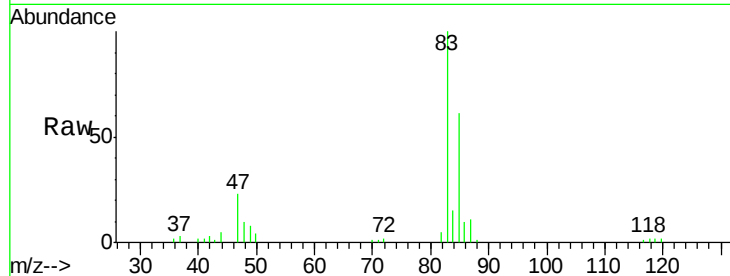




#25
Chloroform
Concen: 0.545 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

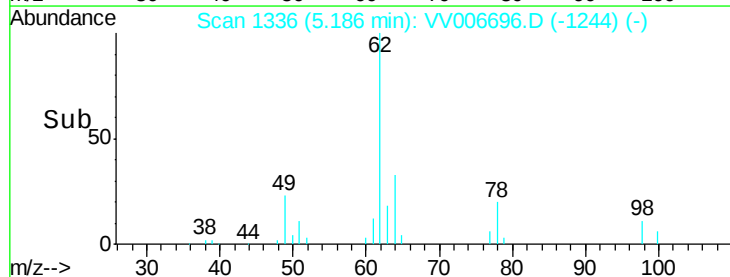
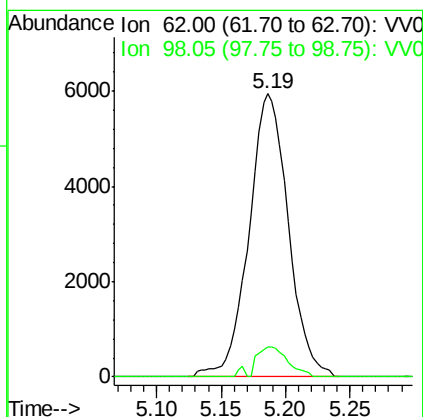
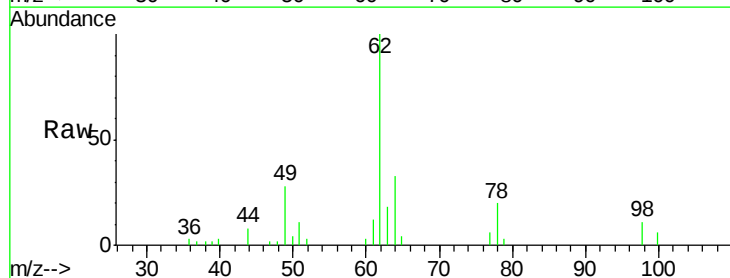
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.575

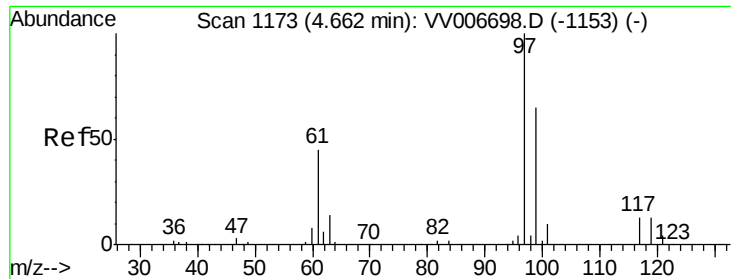
Tgt Ion: 83 Resp: 22442
Ion Ratio Lower Upper
83 100
85 61.0 46.1 85.5



#27
1,2-Dichloroethane
Concen: 0.523 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

Tgt Ion: 62 Resp: 12648
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6

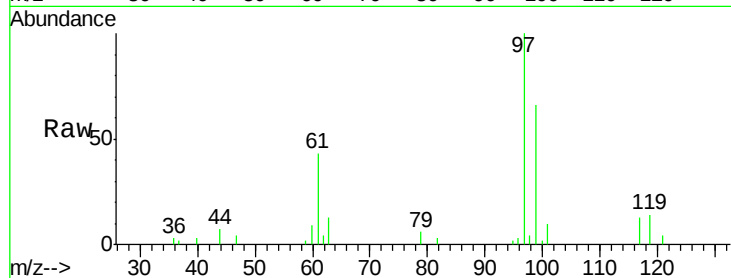




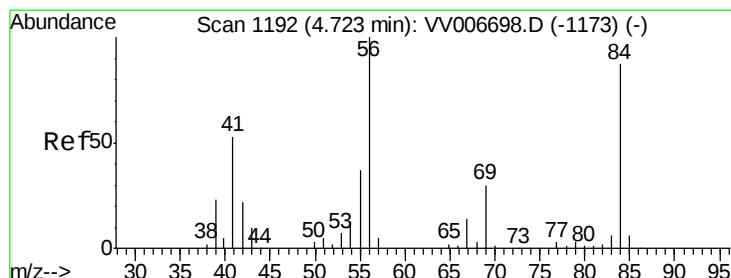
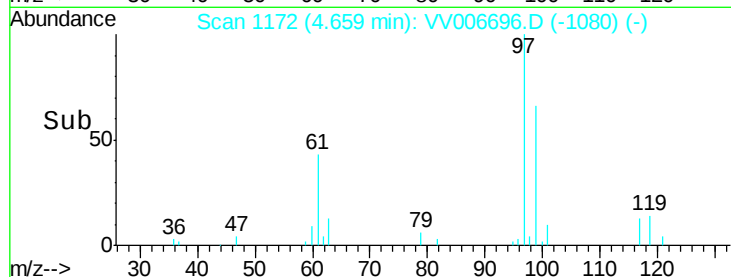
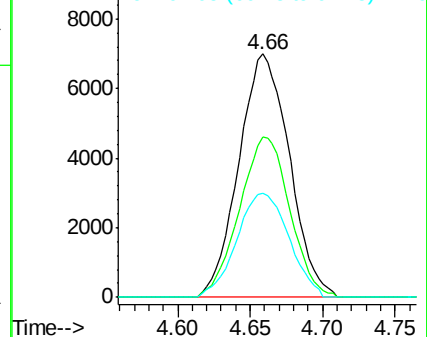
#29
 1,1,1-Trichloroethane
 Concen: 0.517 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

Tgt Ion: 97 Resp: 16959
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.7 77.5
 61 44.1 34.9 52.3

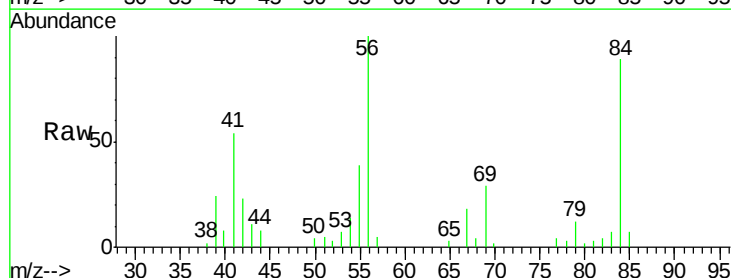


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

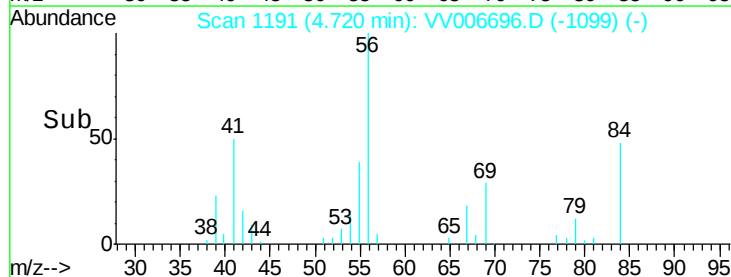
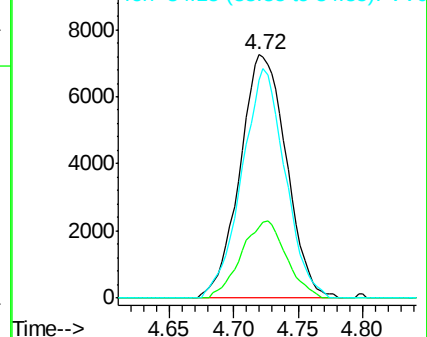


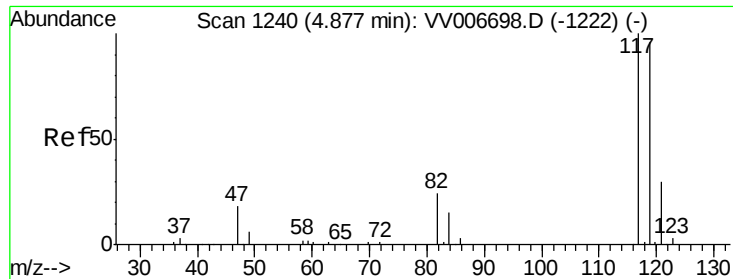
#30
 Cyclohexane
 Concen: 0.494 ug/L
 RT: 4.72 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Tgt Ion: 56 Resp: 18153
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.6 36.8
 84 88.0 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: 0.514 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

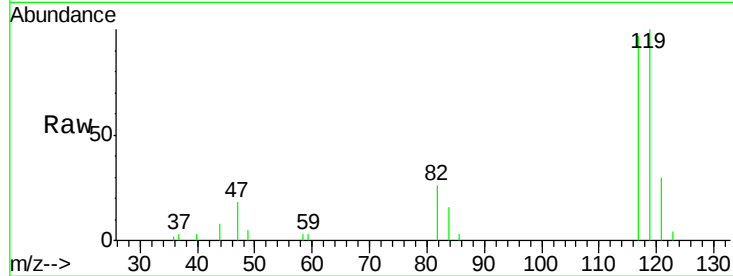
VSTD0.575

Tgt Ion:117 Resp: 14426

Ion Ratio Lower Upper

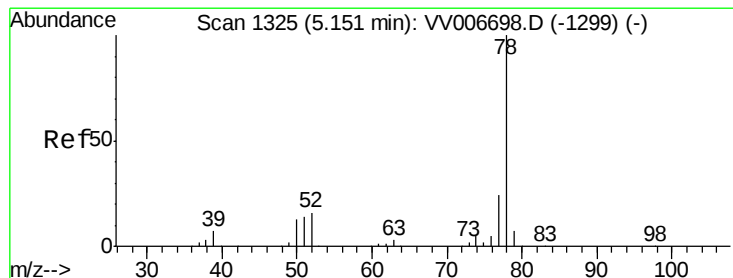
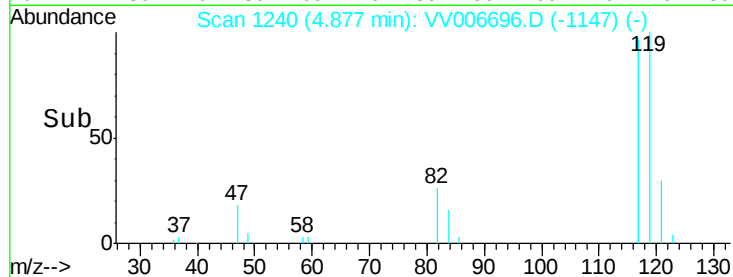
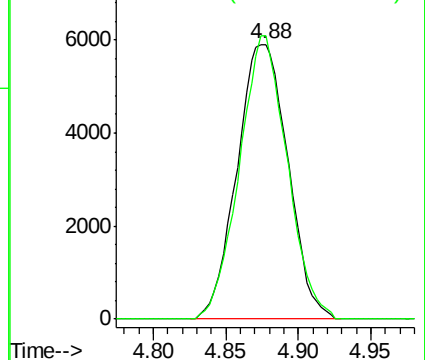
117 100

119 96.8 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: 0.515 ug/L

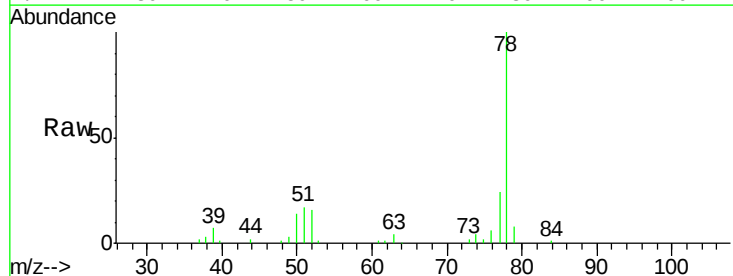
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

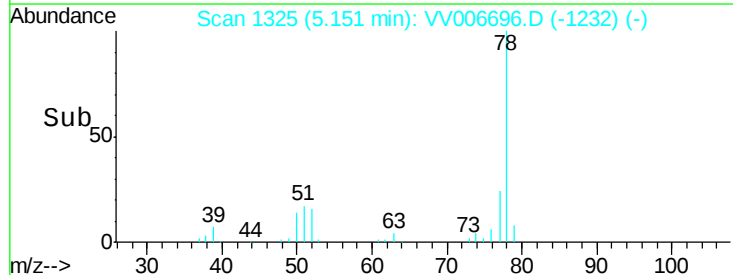
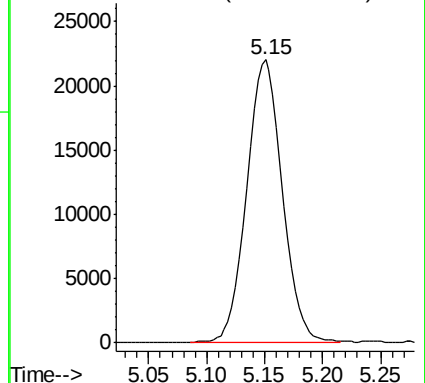
Lab File: VV006696.D

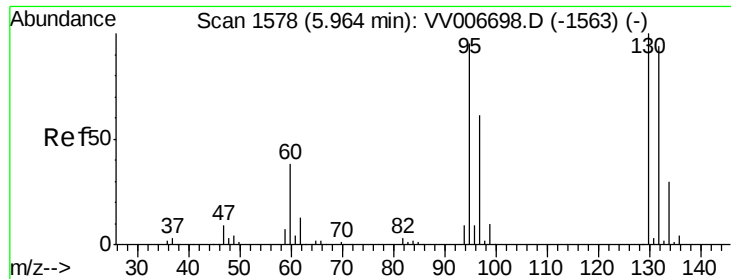
Acq: 23 Jul 2018 13:18

Tgt Ion: 78 Resp: 47257



Abundance Ion 78.10 (77.80 to 78.80): VV0

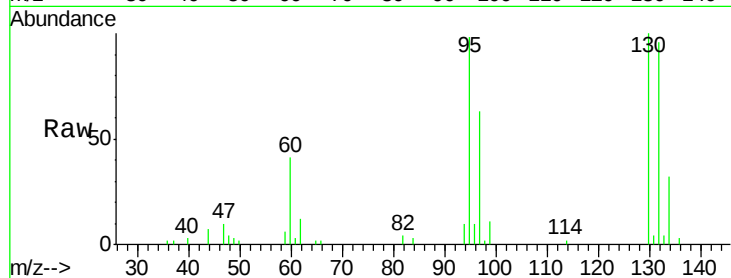




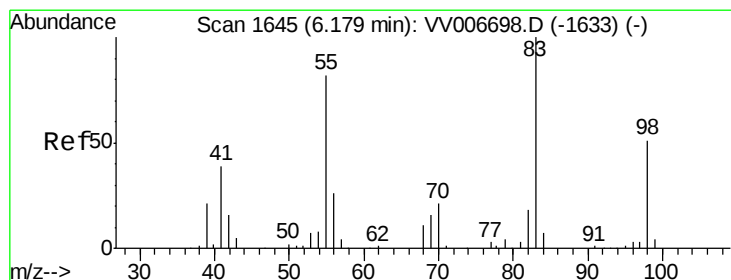
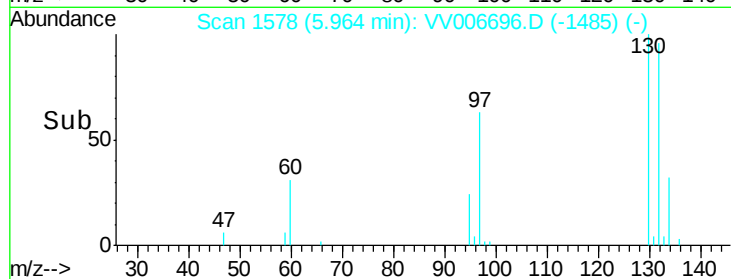
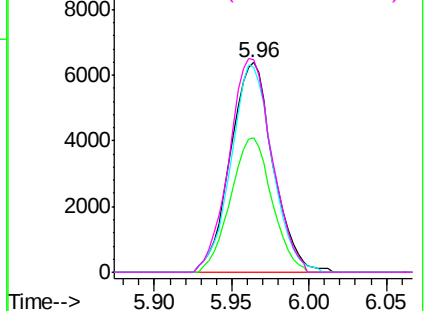
#34
 Trichloroethene
 Concen: 0.529 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

Tgt Ion: 95 Resp: 12249
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.9 83.3
 132 97.5 68.9 127.9
 130 101.7 73.4 136.4

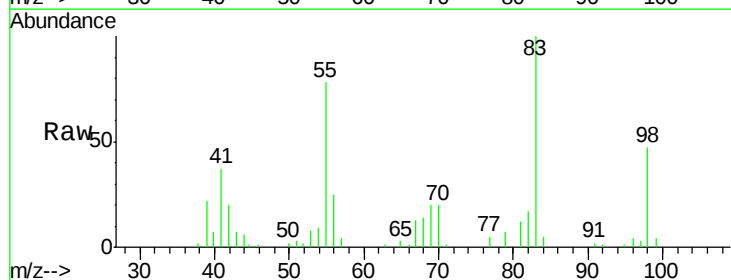


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

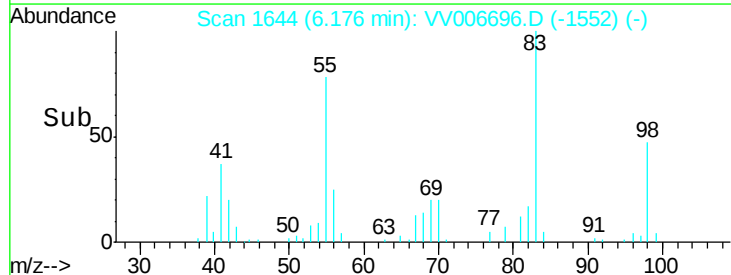
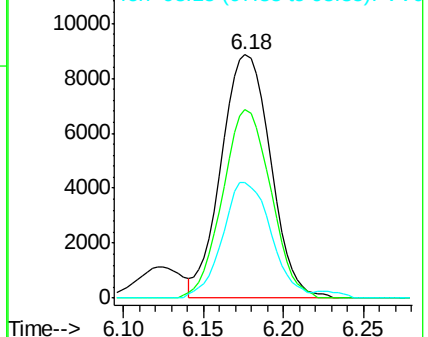


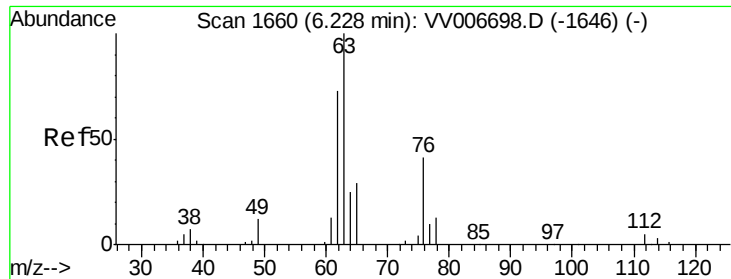
#35
 Methylcyclohexane
 Concen: 0.484 ug/L
 RT: 6.18 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Tgt Ion: 83 Resp: 18730
 Ion Ratio Lower Upper
 83 100
 55 75.4 61.9 92.9
 98 46.7 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

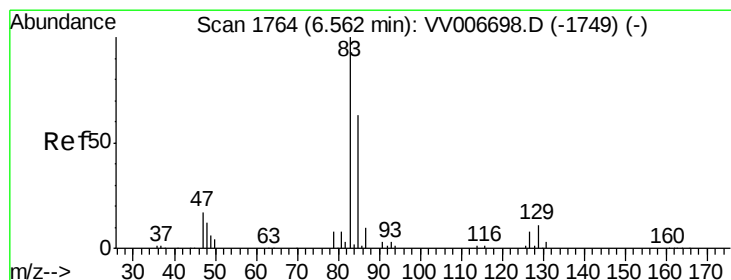
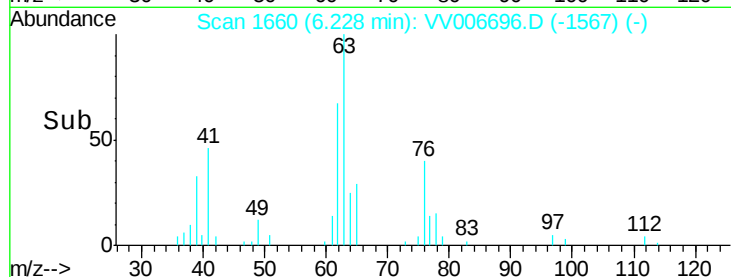
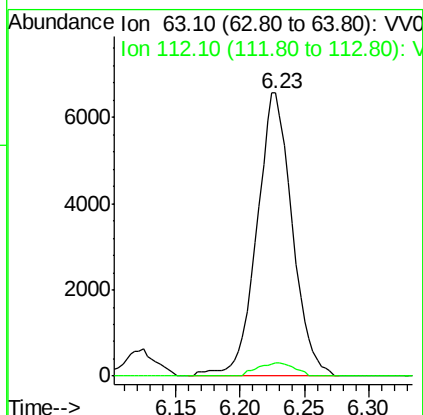
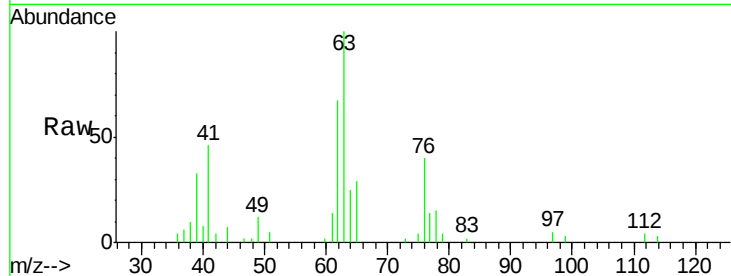




#37
 1,2-Dichloropropane
 Concen: 0.535 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

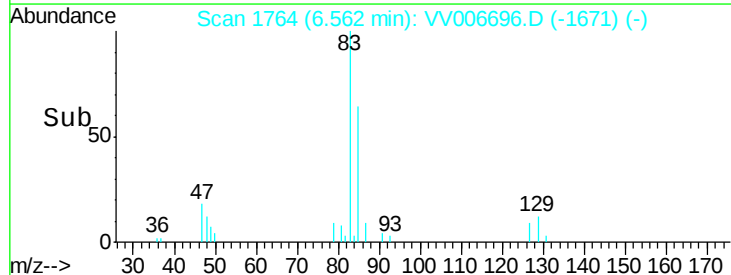
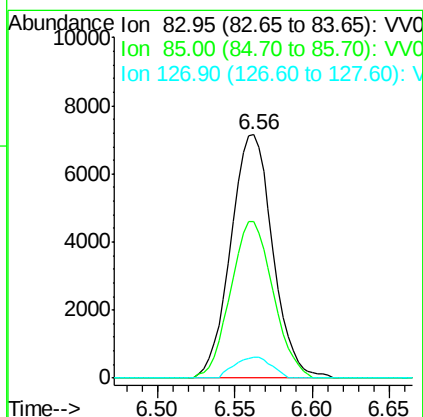
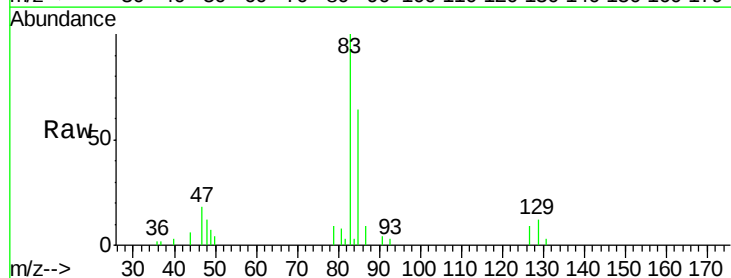
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

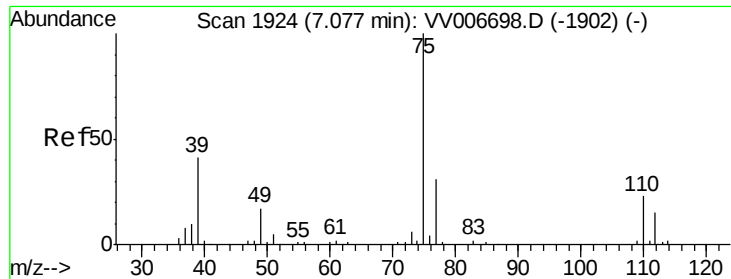
Tgt Ion: 63 Resp: 12586
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.513 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Tgt Ion: 83 Resp: 13484
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.4 82.4
 127 8.8 6.6 9.8

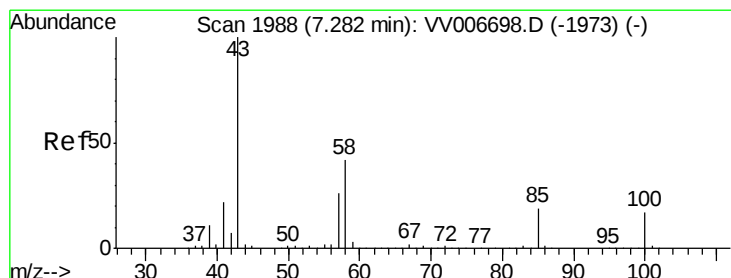
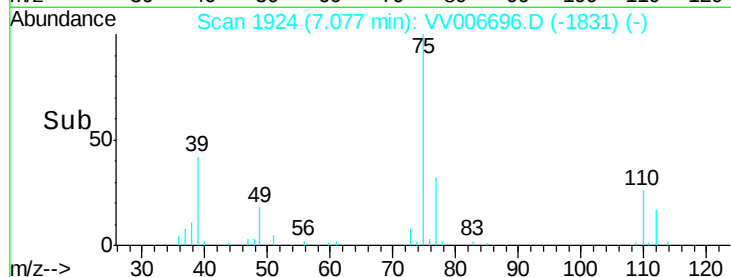
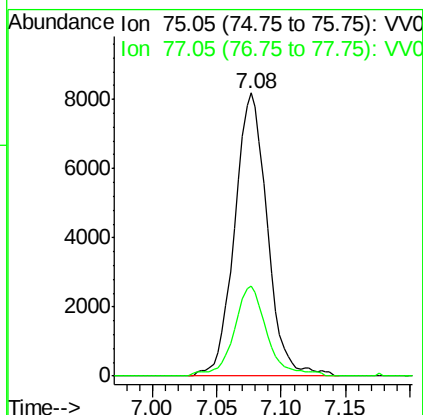
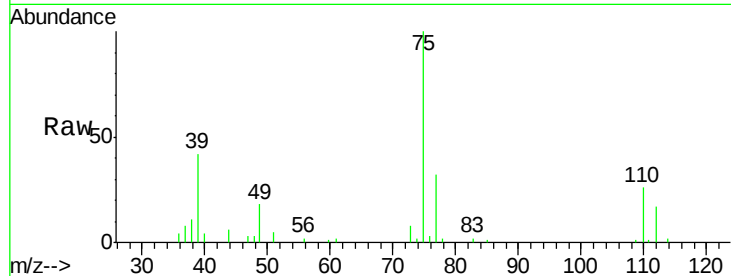




#39
 cis-1,3-Dichloropropene
 Concen: 0.471 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

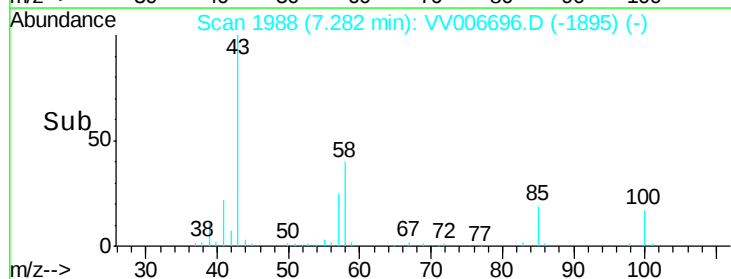
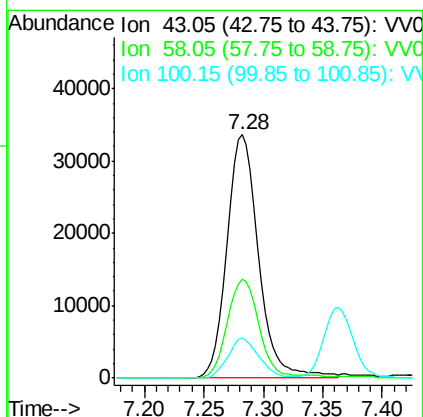
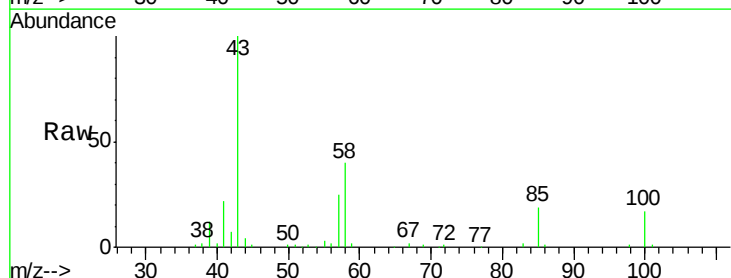
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

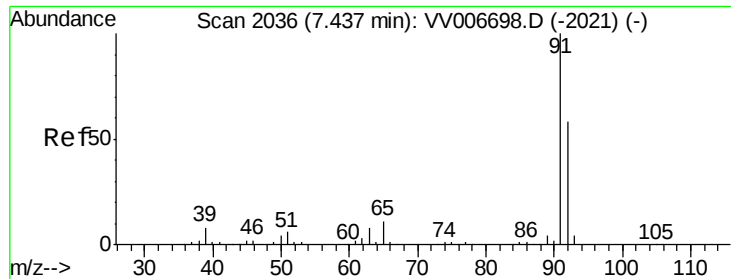
Tgt Ion: 75 Resp: 14431
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 4.807 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Tgt Ion: 43 Resp: 62199
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.4 50.0
 100 16.1 13.6 20.4





#42

Toluene

Concen: 0.501 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

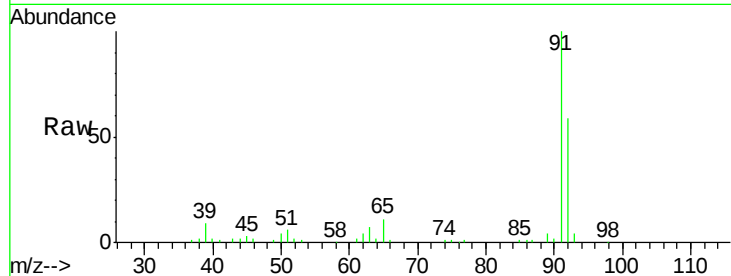
VSTD0.575

Tgt Ion: 91 Resp: 47294

Ion Ratio Lower Upper

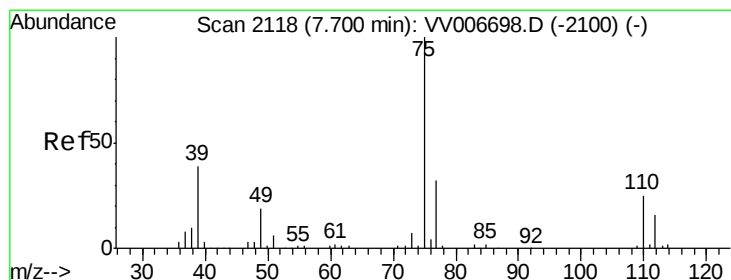
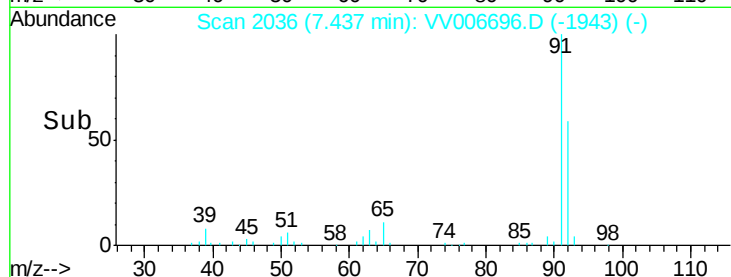
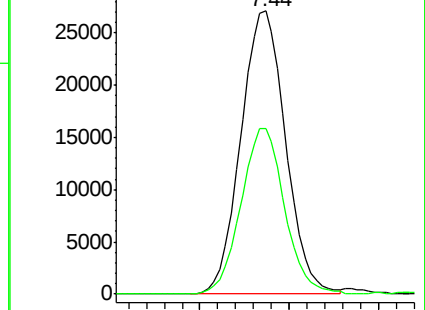
91 100

92 58.7 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV006696.D (-2025) (-)

Ion 92.15 (91.85 to 92.85): VV006696.D (-2025) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.454 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006696.D

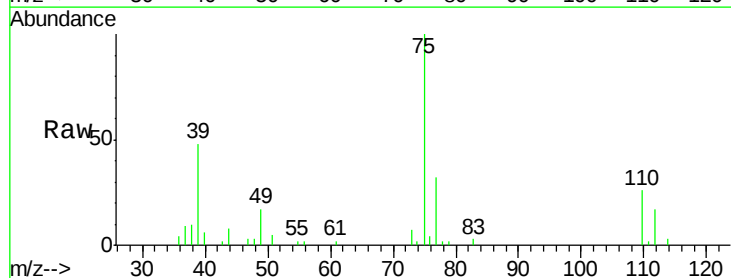
Acq: 23 Jul 2018 13:18

Tgt Ion: 75 Resp: 10937

Ion Ratio Lower Upper

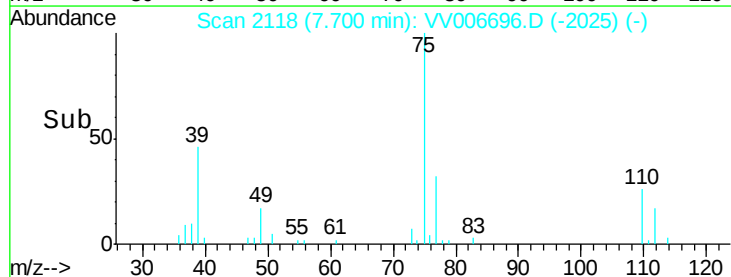
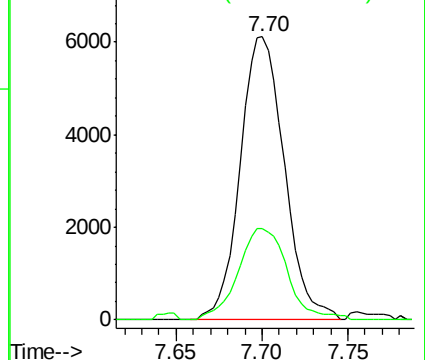
75 100

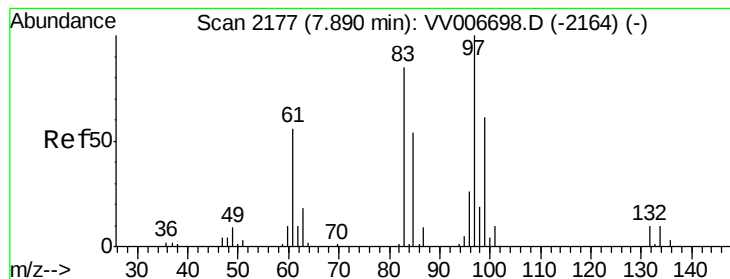
77 32.4 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV006696.D (-2025) (-)

Ion 77.05 (76.75 to 77.75): VV006696.D (-2025) (-)





#45

1,1,2-Trichloroethane

Concen: 0.510 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

Tgt Ion: 97 Resp: 8084

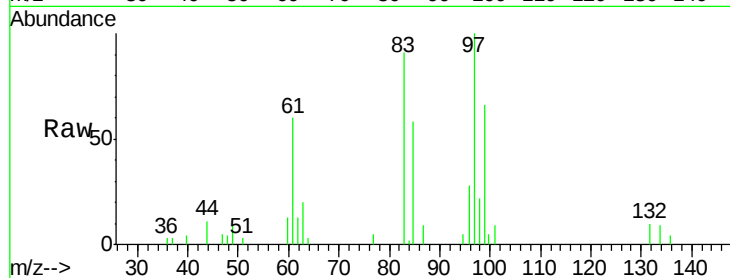
Ion Ratio Lower Upper

97 100

99 66.2 43.0 79.8

83 90.9 59.4 110.4

85 57.9 37.5 69.7

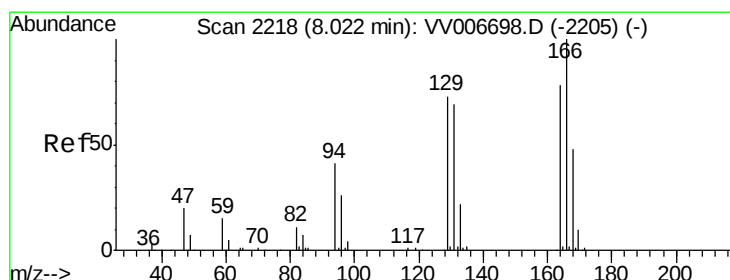
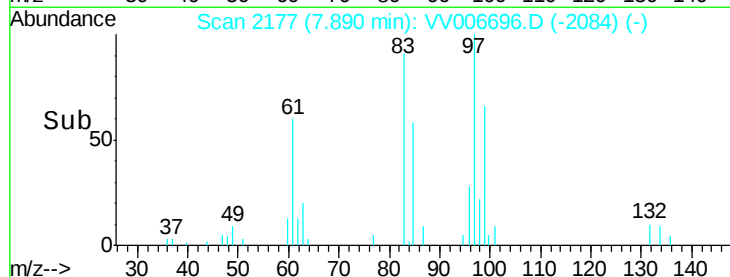
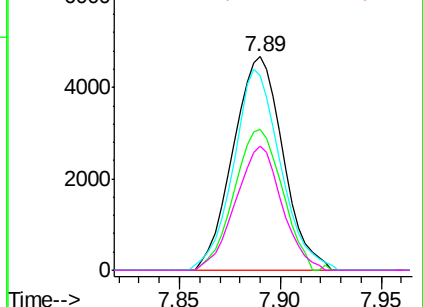


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 0.505 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Tgt Ion: 164 Resp: 9276

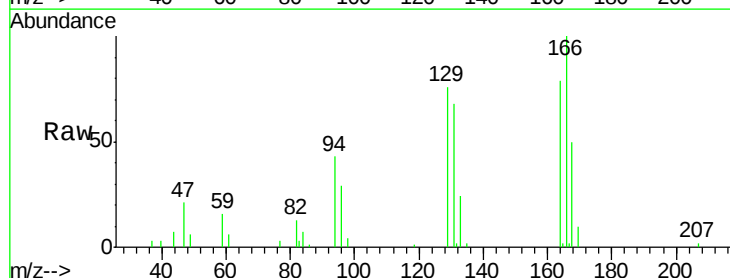
Ion Ratio Lower Upper

164 100

129 96.6 65.0 120.8

131 86.6 61.9 115.1

166 126.5 89.3 165.9

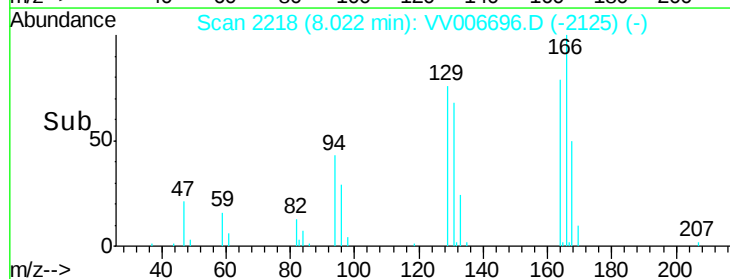
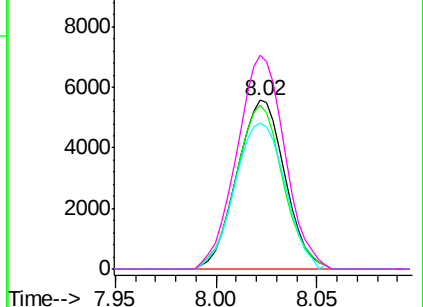


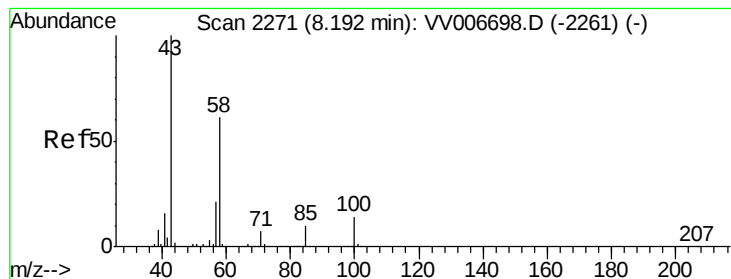
Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.467 ug/L

RT: 8.19 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

Tgt Ion: 43 Resp: 40330

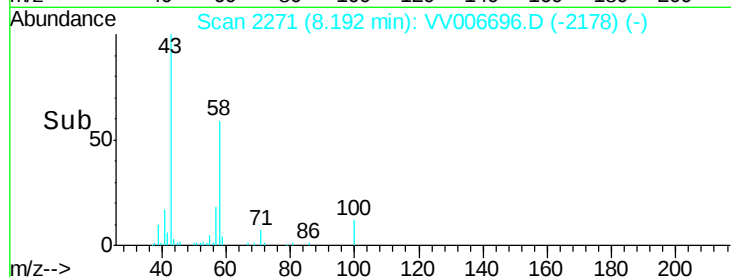
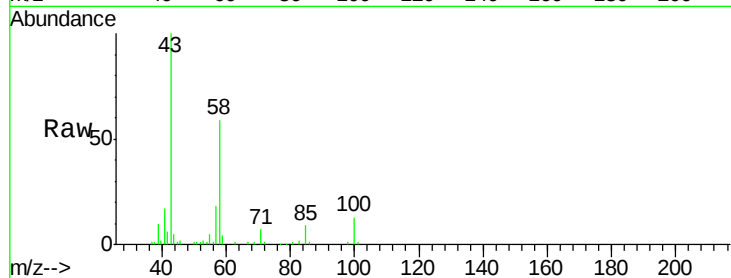
Ion Ratio Lower Upper

43 100

58 61.0 47.2 70.8

57 20.0 16.1 24.1

100 13.7 11.1 16.7

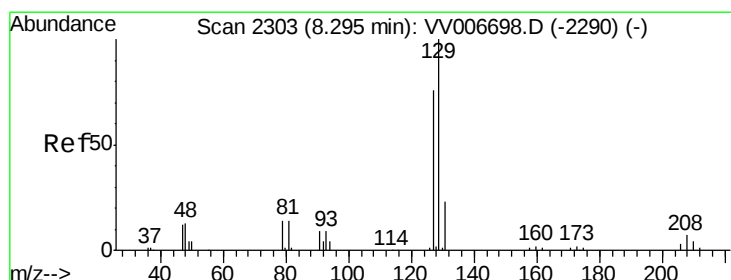
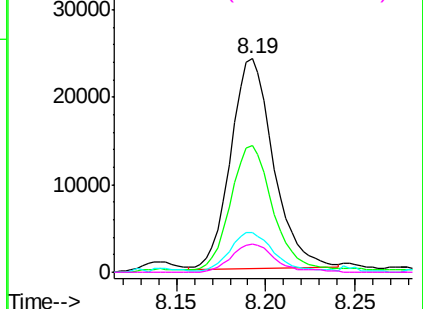


Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.473 ug/L

RT: 8.30 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VV006696.D

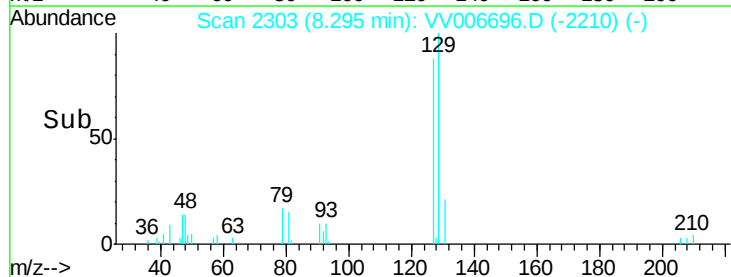
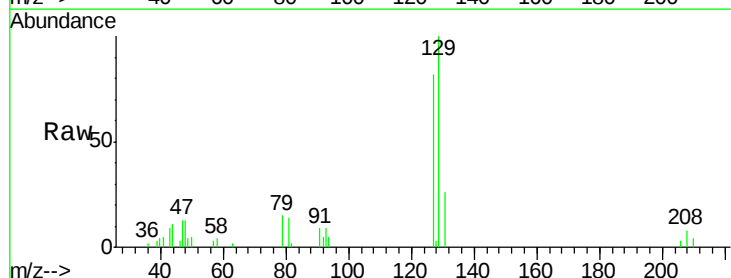
Acq: 23 Jul 2018 13:18

Tgt Ion: 129 Resp: 7937

Ion Ratio Lower Upper

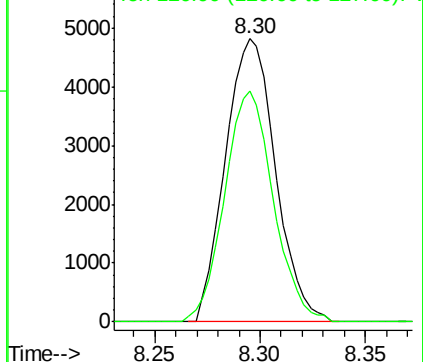
129 100

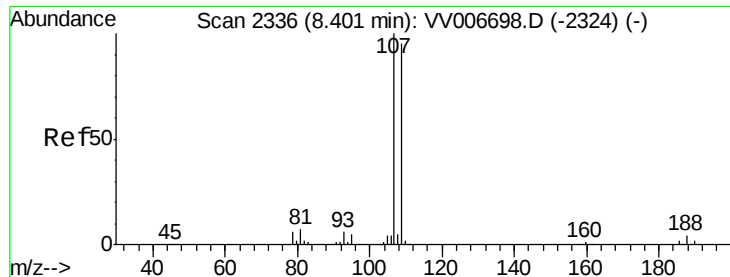
127 81.6 53.5 99.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

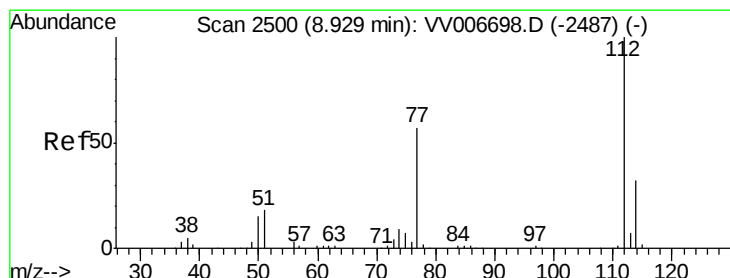
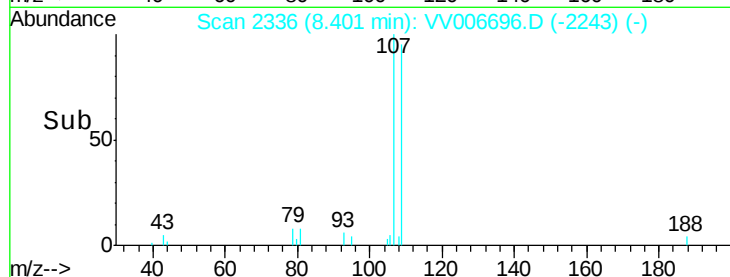
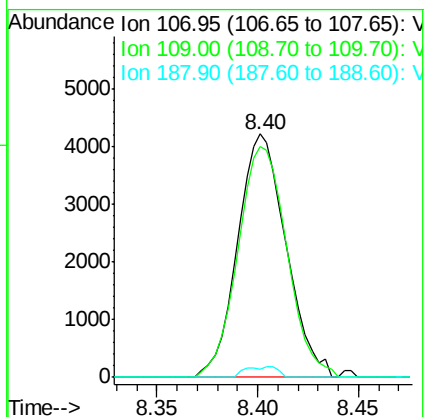
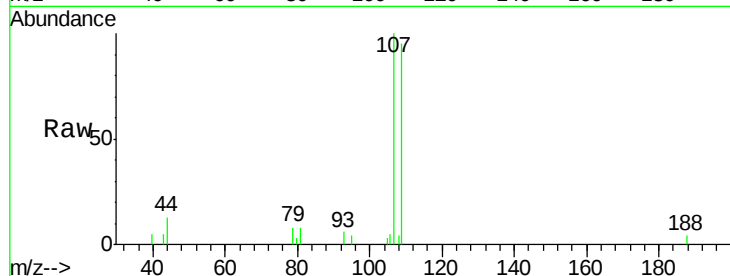




#50
1,2-Dibromoethane
Concen: 0.500 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

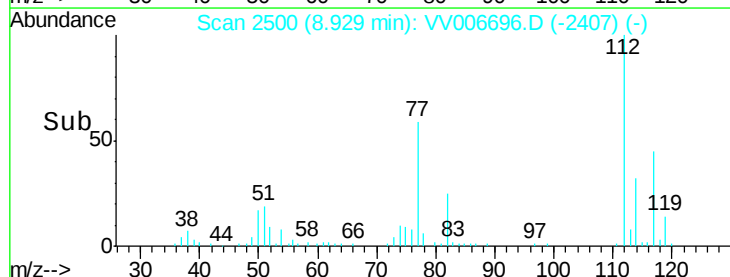
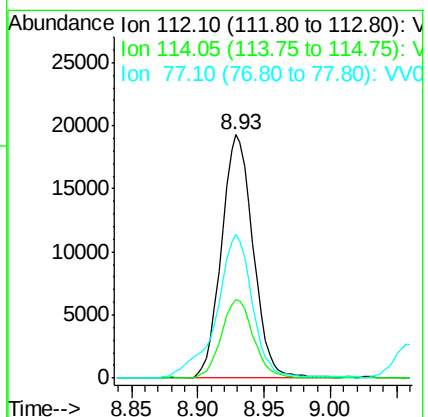
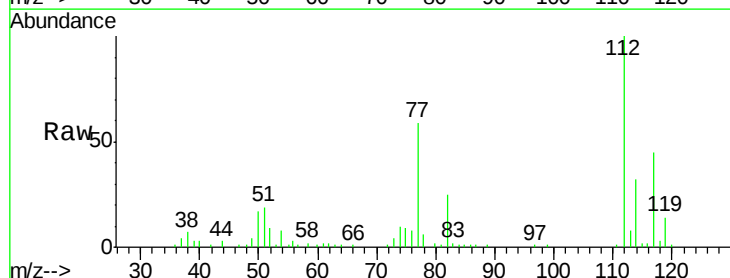
Instrument :
MSVOA_V
ClientSampled :
VSTD0.575

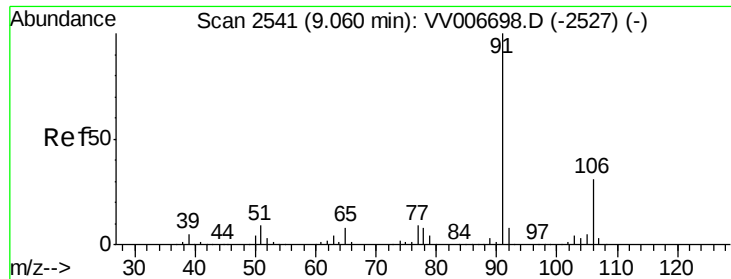
Tgt Ion:107 Resp: 7077
Ion Ratio Lower Upper
107 100
109 95.0 66.8 124.0
188 3.6 3.1 4.7



#51
Chlorobenzene
Concen: 0.520 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006696.D
Acq: 23 Jul 2018 13:18

Tgt Ion:112 Resp: 31933
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 58.9 46.2 69.2





#52

Ethylbenzene

Concen: 0.487 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

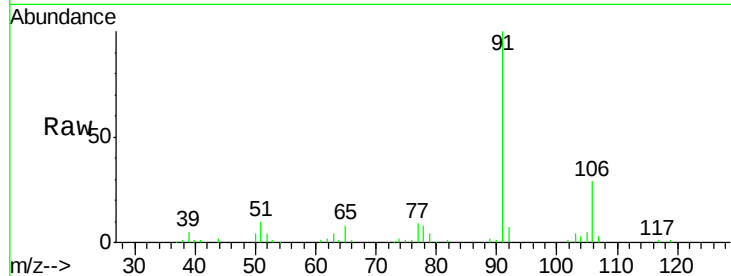
VSTD0.575

Tgt Ion: 91 Resp: 49042

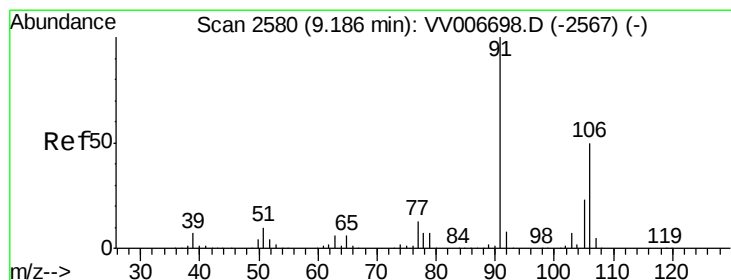
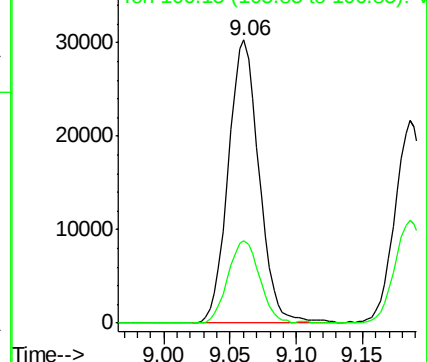
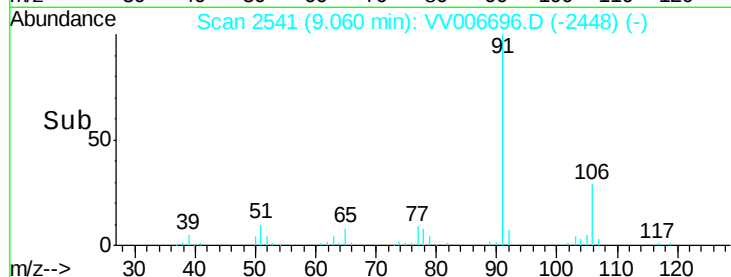
Ion Ratio Lower Upper

91 100

106 29.0 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV006696.D (-2448) (-)



#53

m,p-xylene

Concen: 0.481 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006696.D

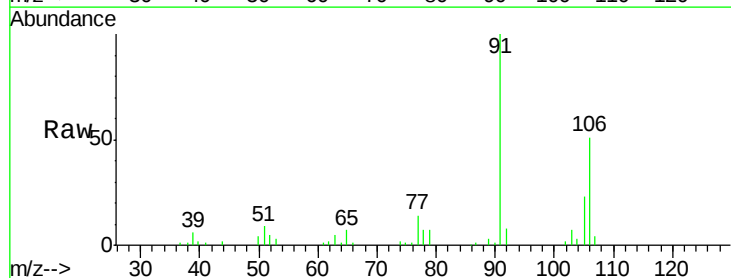
Acq: 23 Jul 2018 13:18

Tgt Ion: 106 Resp: 18272

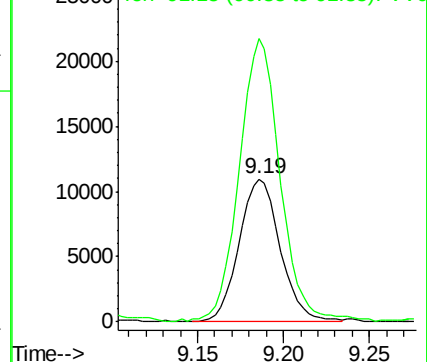
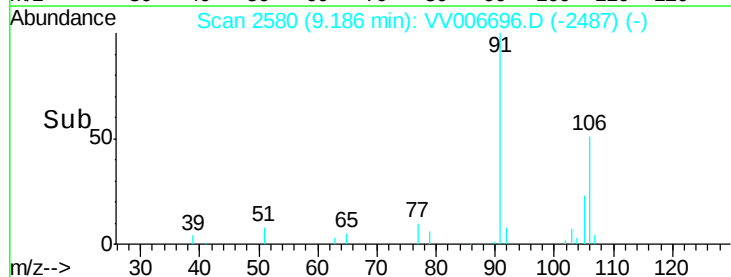
Ion Ratio Lower Upper

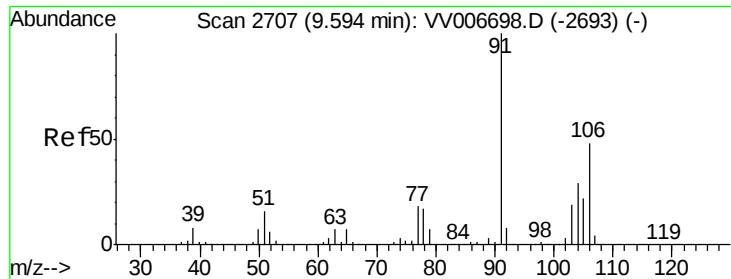
106 100

91 197.9 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006696.D (-2487) (-)





#54

o-xylene

Concen: 0.462 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

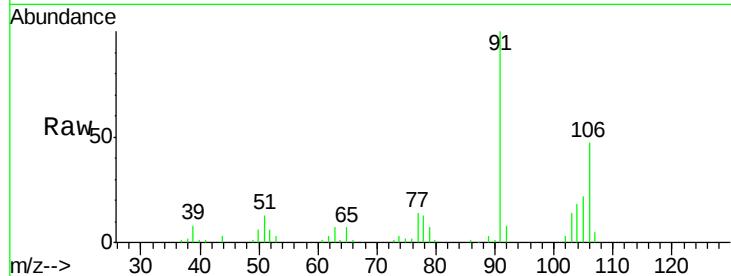
VSTD0.575

Tgt Ion:106 Resp: 17094

Ion Ratio Lower Upper

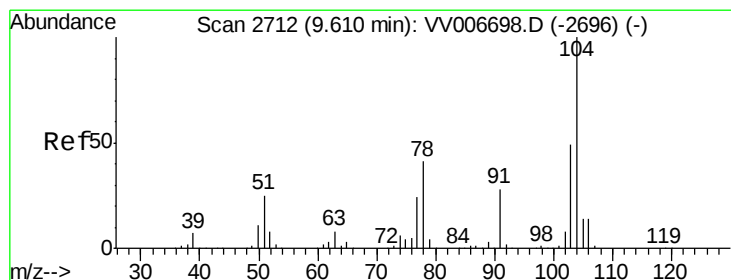
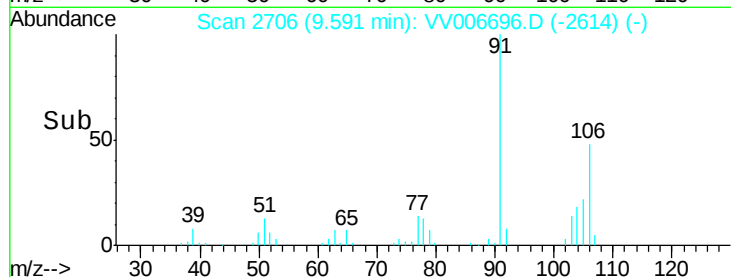
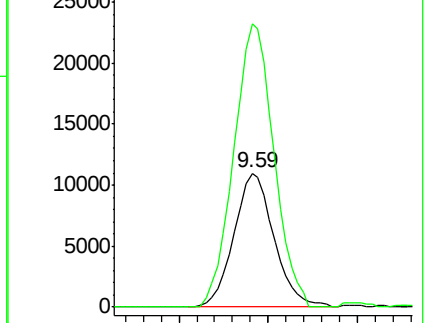
106 100

91 211.2 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.439 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006696.D

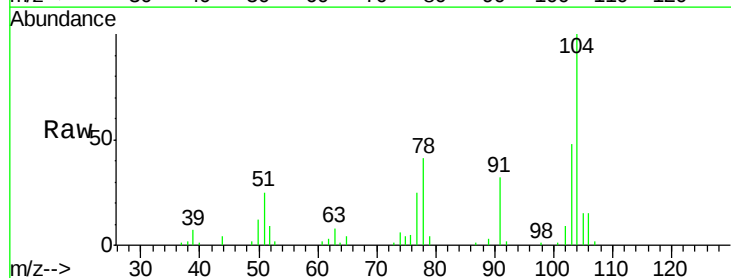
Acq: 23 Jul 2018 13:18

Tgt Ion:104 Resp: 27390

Ion Ratio Lower Upper

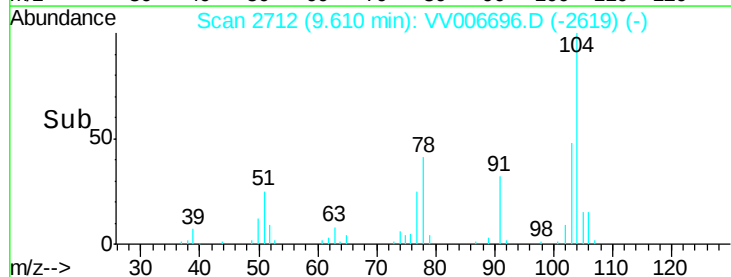
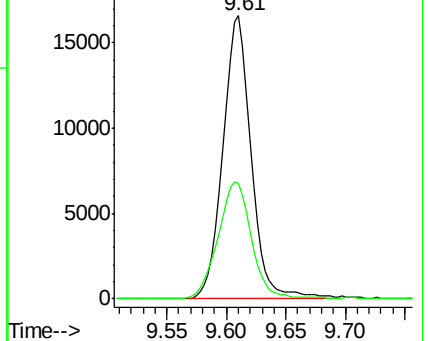
104 100

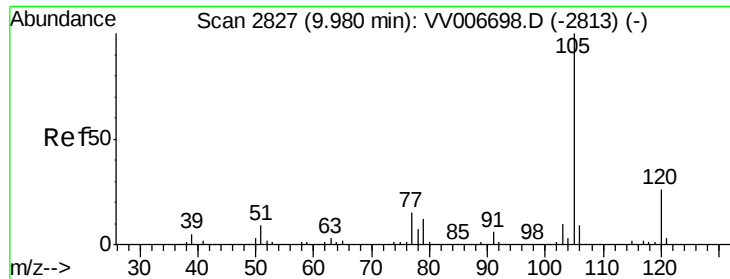
78 40.7 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.455 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

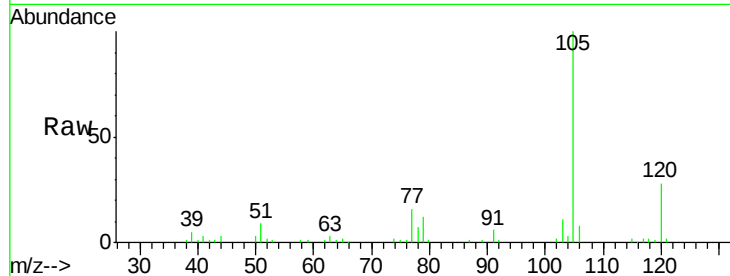
Tgt Ion: 105 Resp: 43745

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

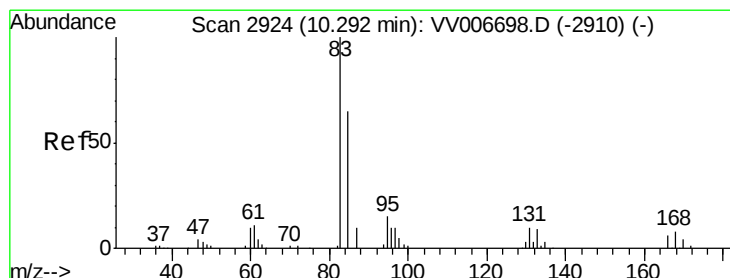
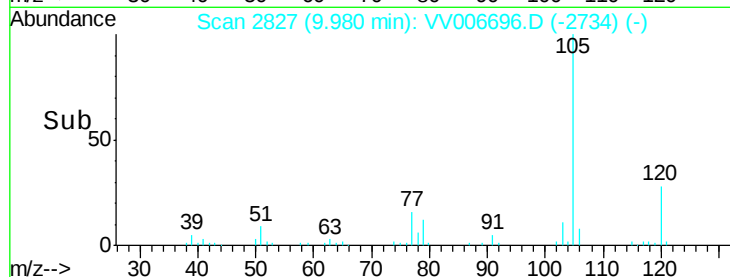
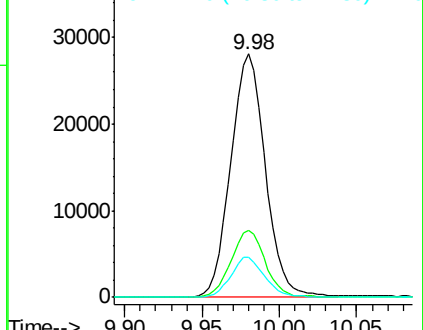
77 16.0 12.2 18.2



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: 0.507 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

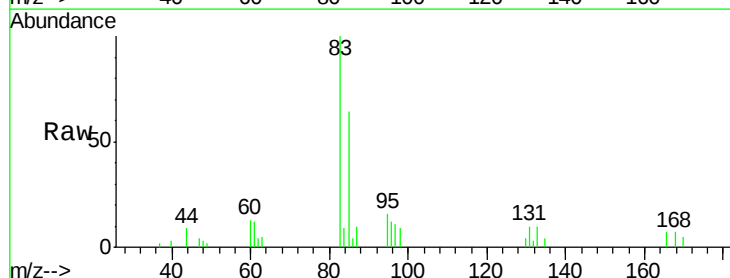
Tgt Ion: 83 Resp: 9826

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.6

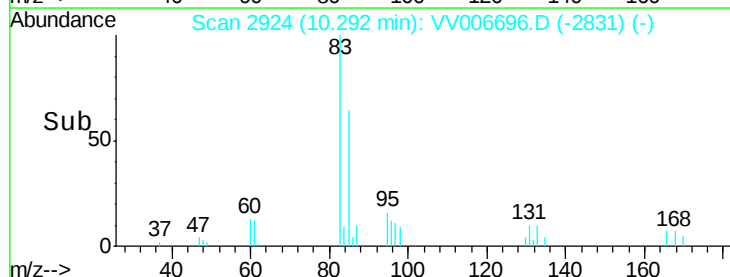
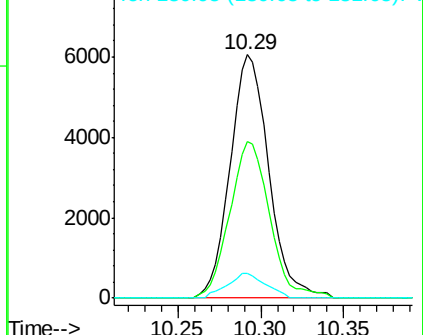
131 10.3 8.0 12.0

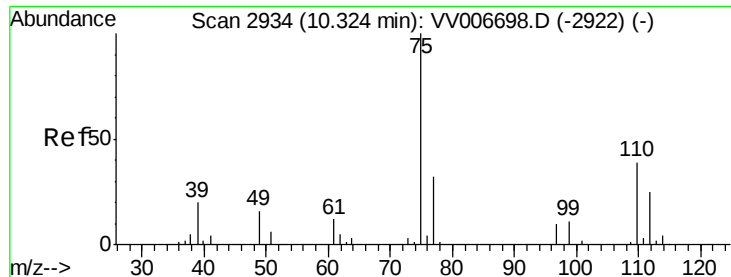


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.511 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

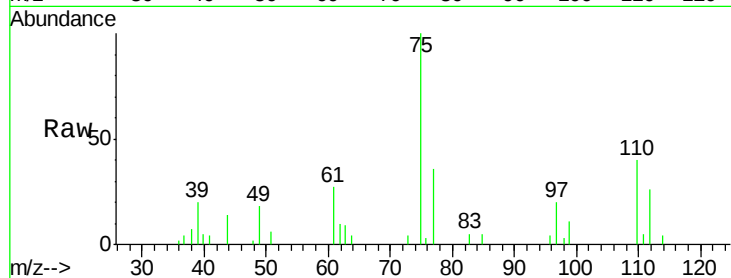
VSTD0.575

Tgt Ion: 75 Resp: 7076

Ion Ratio Lower Upper

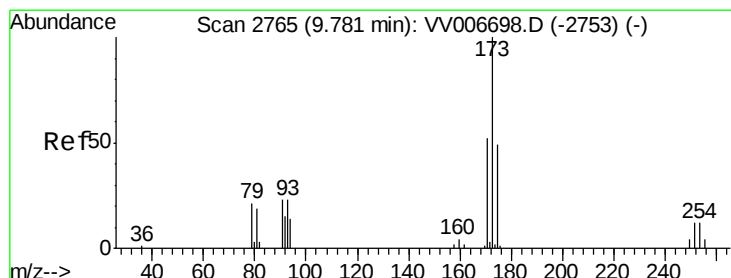
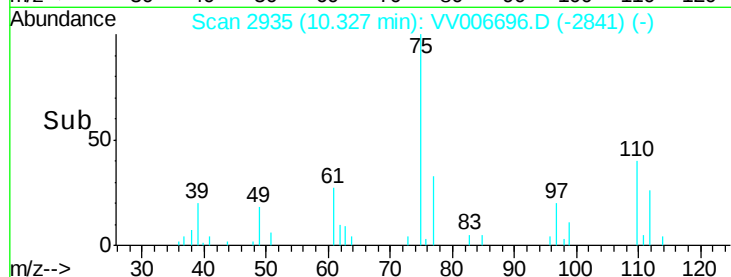
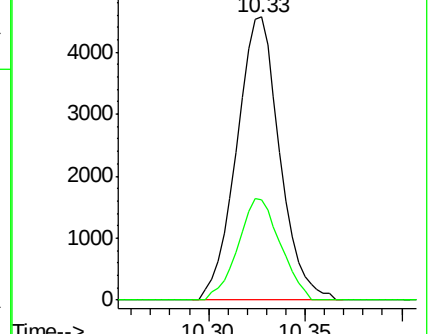
75 100

77 35.1 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV006698.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006698.D (-2922) (-)



#61

Bromoform

Concen: 0.510 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

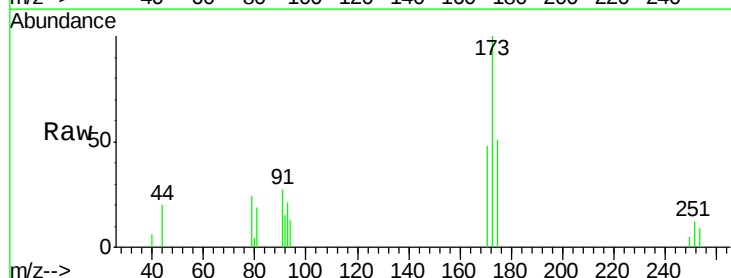
Tgt Ion: 173 Resp: 4186

Ion Ratio Lower Upper

173 100

175 49.8 39.1 58.7

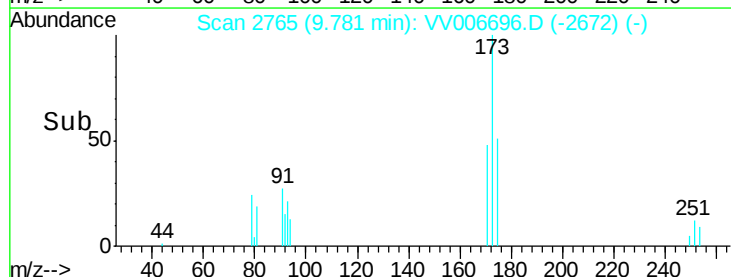
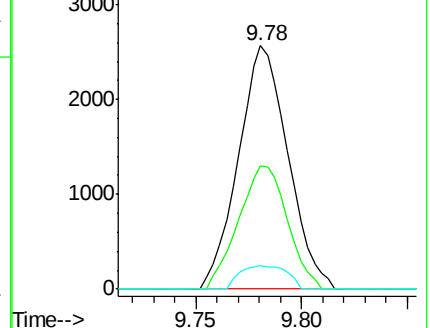
254 9.2 9.1 13.7

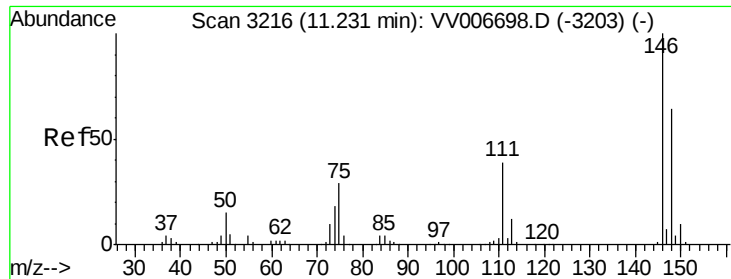


Abundance Ion 172.90 (172.60 to 173.60): VV006698.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006698.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006698.D (-2753) (-)





#62

1,3-Dichlorobenzene

Concen: 0.513 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

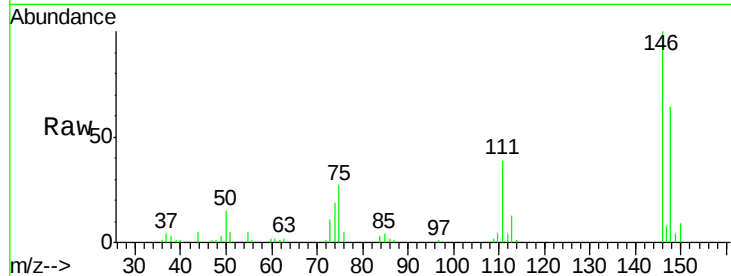
Tgt Ion:146 Resp: 21401

Ion Ratio Lower Upper

146 100

111 39.5 27.5 51.1

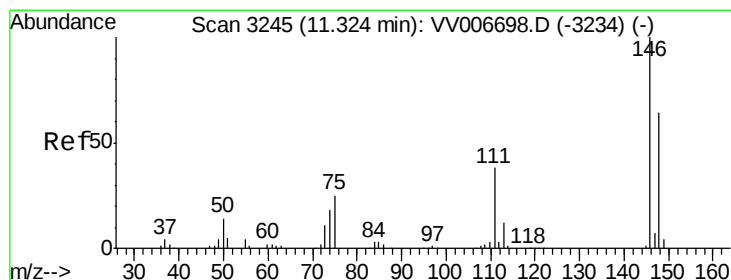
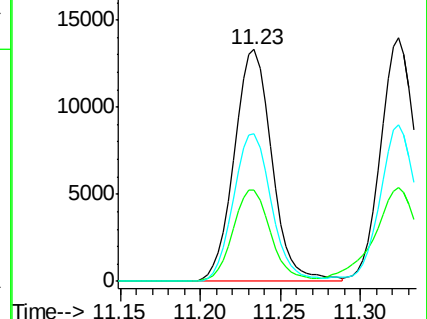
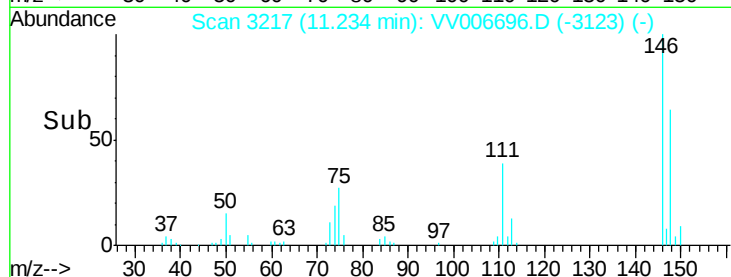
148 63.6 44.5 82.7



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: 0.527 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

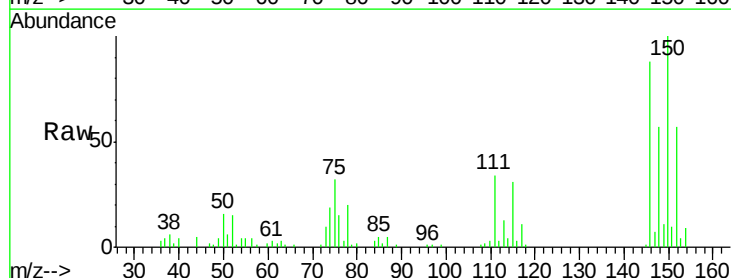
Tgt Ion:146 Resp: 22431

Ion Ratio Lower Upper

146 100

111 38.6 27.0 50.2

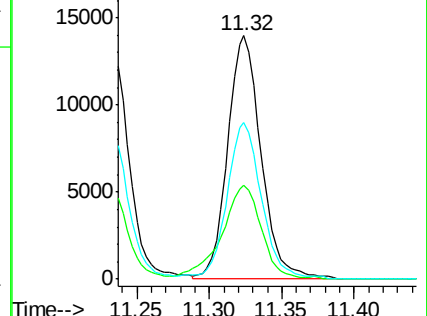
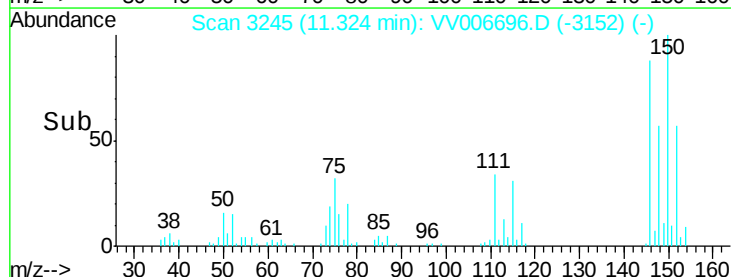
148 64.4 45.1 83.7

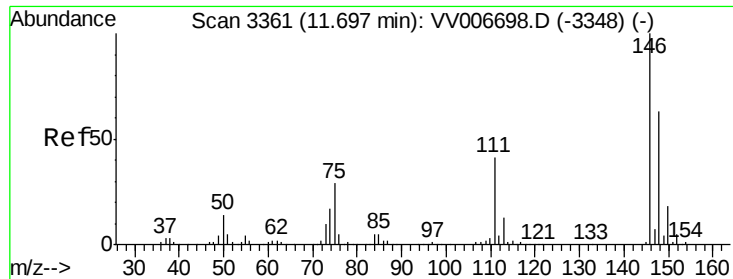


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.519 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

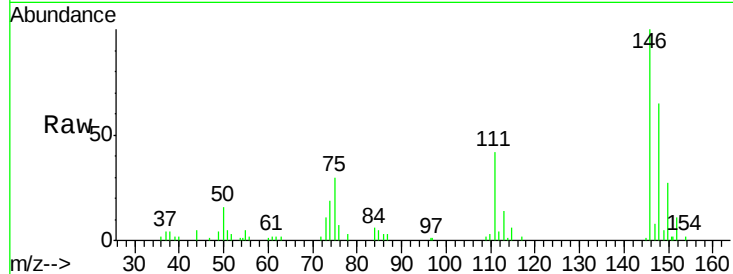
Tgt Ion:146 Resp: 21117

Ion Ratio Lower Upper

146 100

111 42.3 32.9 49.3

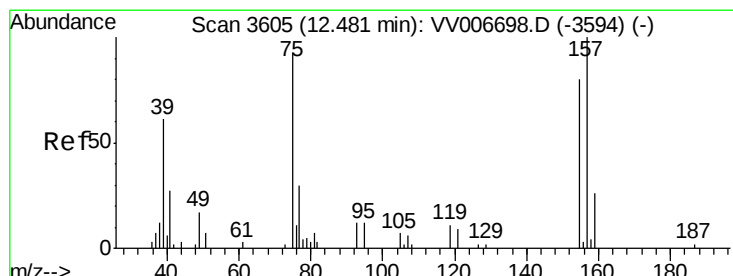
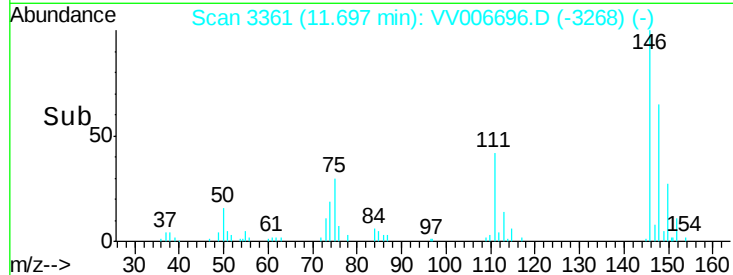
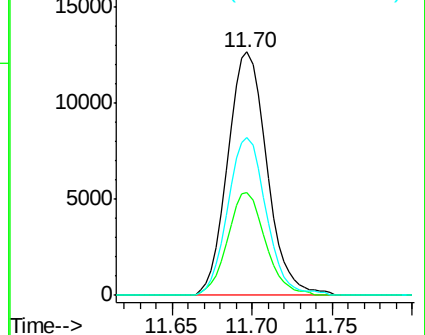
148 65.1 50.2 75.4



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: 0.509 ug/L

RT: 12.49 min Scan# 3607

Delta R.T. 0.01 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

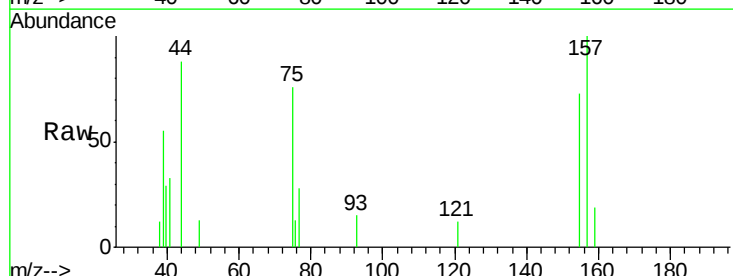
Tgt Ion: 75 Resp: 1238

Ion Ratio Lower Upper

75 100

155 81.8 68.8 103.2

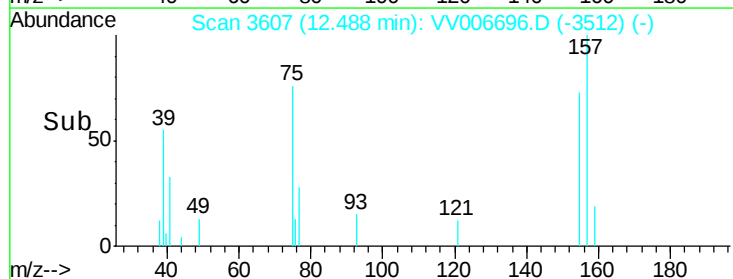
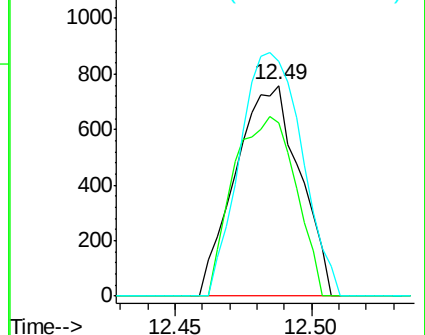
157 111.4 85.6 128.4

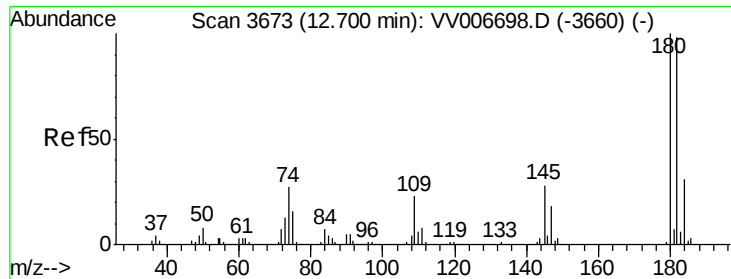


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

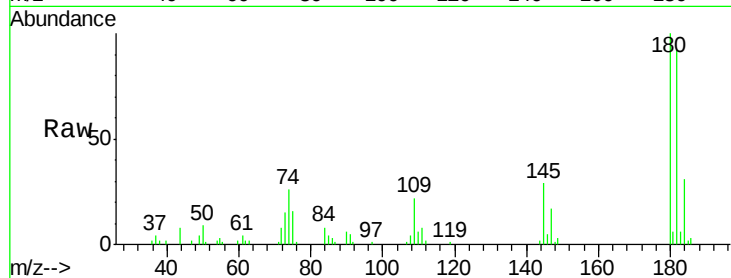




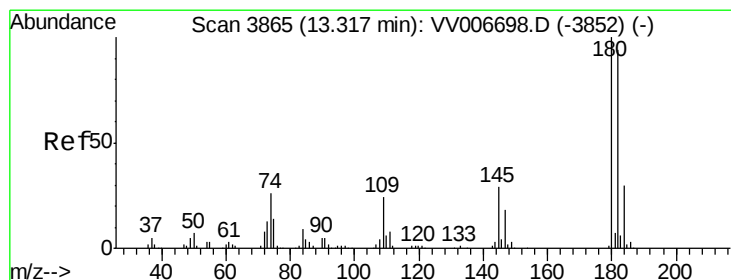
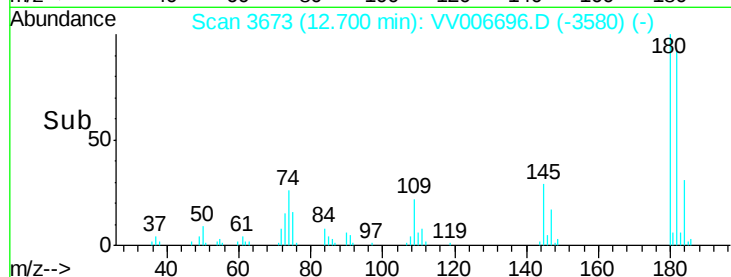
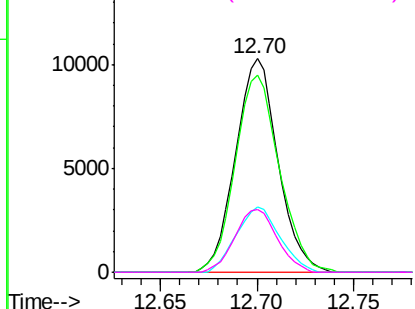
#67
 1,3,5-Trichlorobenzene
 Concen: 0.492 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.575

Tgt Ion:180 Resp: 15678
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.8 115.2
 184 31.5 24.6 37.0
 145 29.2 22.8 34.2

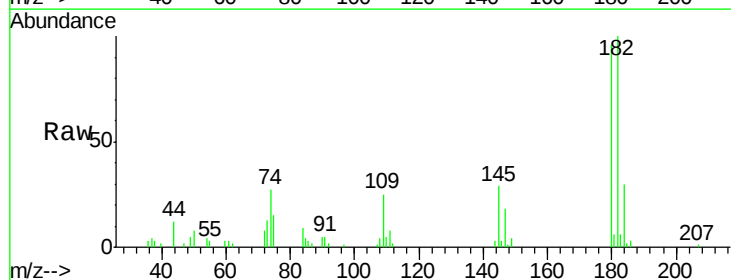


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

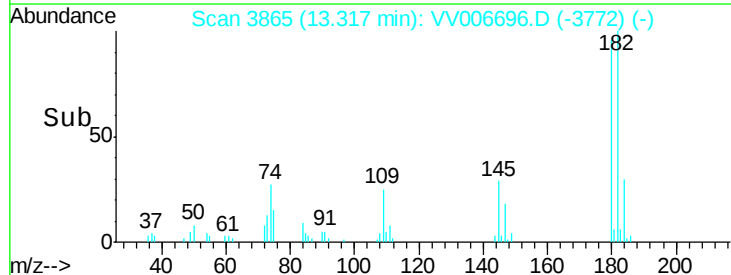
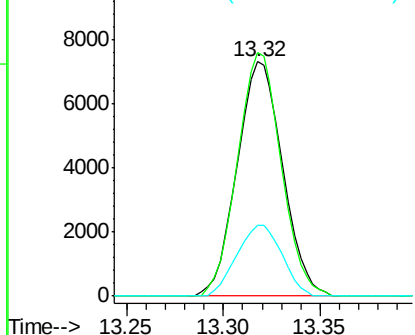


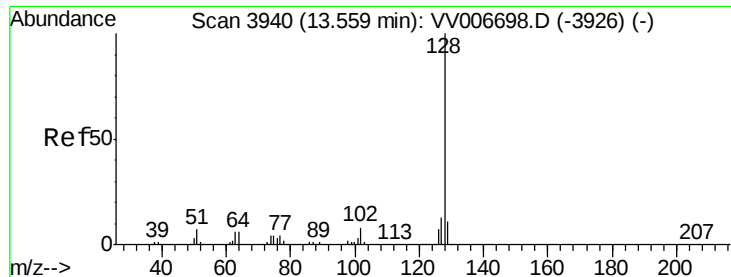
#68
 1,2,4-trichlorobenzene
 Concen: 0.472 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006696.D
 Acq: 23 Jul 2018 13:18

Tgt Ion:180 Resp: 11952
 Ion Ratio Lower Upper
 180 100
 182 99.9 76.2 114.4
 145 30.0 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: 0.436 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.575

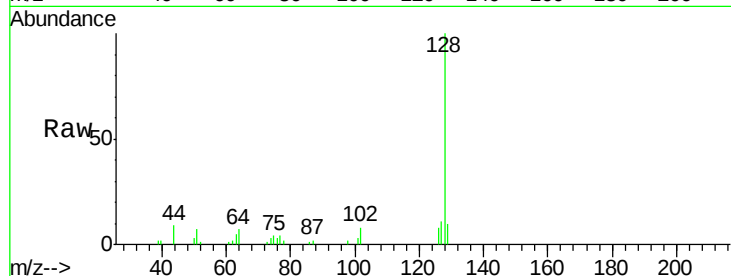
Tgt Ion:128 Resp: 18866

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

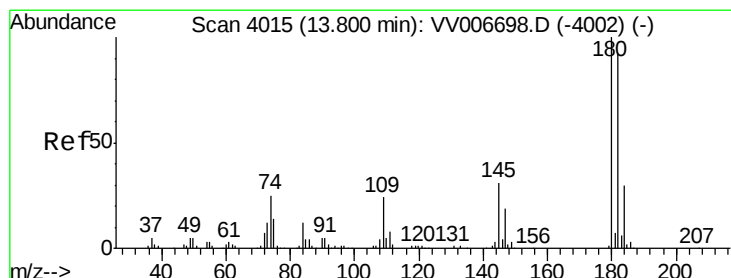
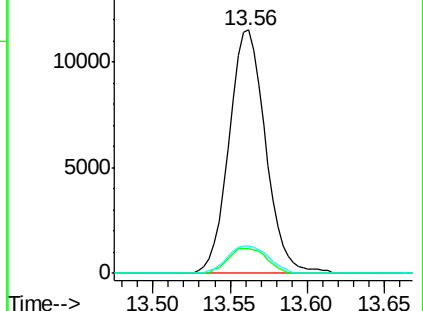
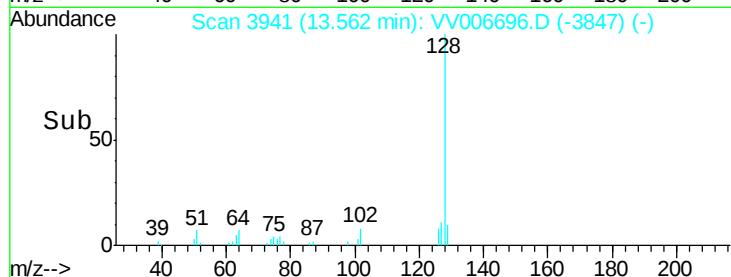
127 12.7 10.3 15.5



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: 0.468 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006696.D

Acq: 23 Jul 2018 13:18

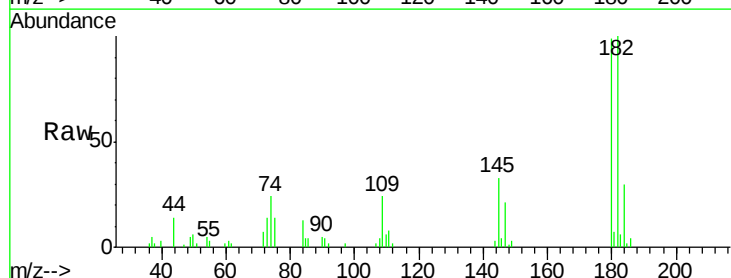
Tgt Ion:180 Resp: 11216

Ion Ratio Lower Upper

180 100

182 102.0 75.3 112.9

145 31.1 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

