

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006804.D
 Acq On : 02 Aug 2018 12:56
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:14:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 01:12:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	260480	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	241003	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	116807	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	371245	20.57	ug/L	0.00
7) Chloroethane-d5	1.58	69	315395	20.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	678316	20.28	ug/L	0.00
20) 2-Butanone-d5	3.95	46	968245	221.29	ug/L	0.00
24) Chloroform-d	4.41	84	658887	20.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	330249	20.74	ug/L	0.00
32) Benzene-d6	5.10	84	1363590	20.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	435579	20.28	ug/L	0.00
41) Toluene-d8	7.37	98	1258390	21.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	162723	21.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	813263	240.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	337836	21.13	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	444833	20.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	403881	19.414 ug/L	98
3) Chloromethane	1.25	50	465388	15.472 ug/L	100
5) Vinyl chloride	1.32	62	454562	19.452 ug/L	97
6) Bromomethane	1.53	94	115481	19.816 ug/L	100
8) Chloroethane	1.60	64	284683	18.127 ug/L	98
9) Trichlorofluoromethane	1.77	101	551912	19.315 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	349822	19.465 ug/L	99
12) 1,1-Dichloroethene	2.14	96	321688	19.323 ug/L	99
13) Acetone	2.19	43	576371	186.790 ug/L	99
14) Carbon disulfide	2.32	76	955379	19.346 ug/L	96
15) Methyl Acetate	2.47	43	170396	18.348 ug/L	97
16) Methylene chloride	2.54	84	354510	17.804 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	871447	19.516 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	350643	19.332 ug/L	98
19) 1,1-Dichloroethane	3.23	63	655826	19.363 ug/L	99
21) 2-Butanone	4.04	43	987522	209.421 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	388148	19.937 ug/L	98
23) Bromochloromethane	4.31	128	164286	19.398 ug/L	96
25) Chloroform	4.44	83	641084	19.465 ug/L	99
27) 1,2-Dichloroethane	5.19	62	391681	19.548 ug/L	99
29) 1,1,1-Trichloroethane	4.67	97	547878	19.612 ug/L	99
30) Cyclohexane	4.73	56	586920	20.286 ug/L	99
31) Carbon tetrachloride	4.88	117	452194	19.660 ug/L	97
33) Benzene	5.15	78	1470077	19.853 ug/L	100
34) Trichloroethene	5.96	95	360912	19.149 ug/L	97
35) Methylcyclohexane	6.18	83	618517	20.669 ug/L	98
37) 1,2-Dichloropropane	6.23	63	381692	19.659 ug/L	# 97
38) Bromodichloromethane	6.56	83	443141	20.051 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	527974	21.058 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	2272949	211.527 ug/L	98

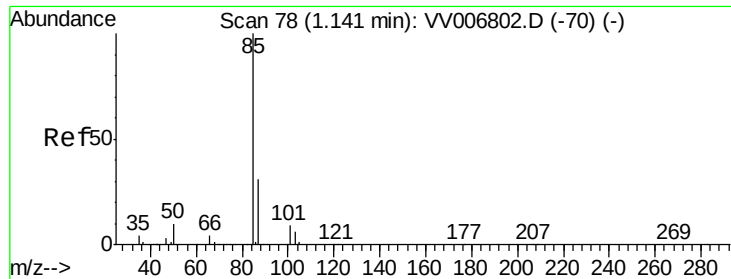
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\
 Data File : VV006804.D
 Acq On : 02 Aug 2018 12:56
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 03 01:14:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 03 01:12:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1508157	20.704	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	435189	21.082	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	268800	19.149	ug/L	97
47) Tetrachloroethene	8.02	164	296227	19.729	ug/L	97
48) 2-Hexanone	8.19	43	1600464	219.510	ug/L	99
49) Dibromochloromethane	8.30	129	294084	20.724	ug/L	99
50) 1,2-Dibromoethane	8.40	107	242457	20.265	ug/L	95
51) Chlorobenzene	8.93	112	960182	20.477	ug/L	99
52) Ethylbenzene	9.06	91	1629351	21.412	ug/L	99
53) m,p-xylene	9.19	106	627544	22.216	ug/L	99
54) o-xylene	9.59	106	616856	21.641	ug/L	96
55) Styrene	9.61	104	1038342	23.184	ug/L	100
56) Isopropylbenzene	9.98	105	1610363	22.207	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	337501	19.866	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	241596	20.236	ug/L	97
61) Bromoform	9.78	173	158550	19.933	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	731236	19.807	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	732076	20.045	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	710411	19.610	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	46814	18.582	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	565464	19.911	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	464910	21.076	ug/L	99
69) Naphthalene	13.56	128	830504	21.599	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	442097	20.763	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 19.414 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :

MSVOA_V

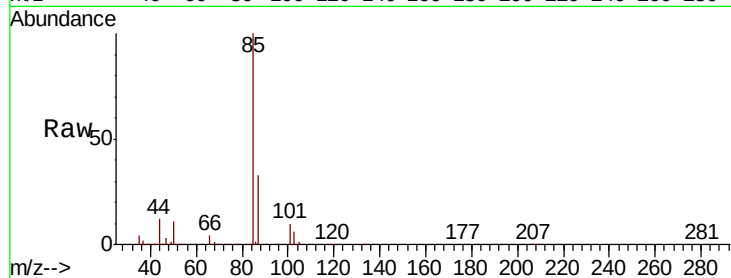
ClientSampleId :

Tot Ion: 85 Resp: 403881

Ion Ratio Lower Upper

85 100

87 32.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV006802.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006802.D (-70) (-)

1.14

400000

300000

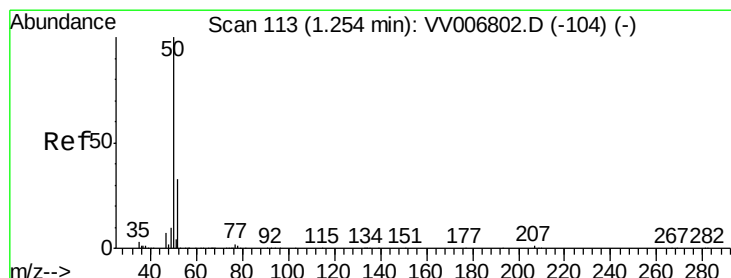
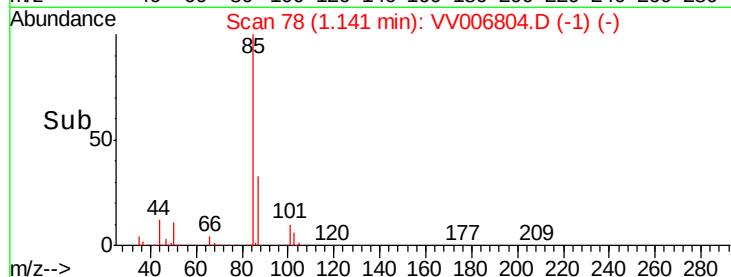
200000

100000

0

Time-->

1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 15.472 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV006804.D

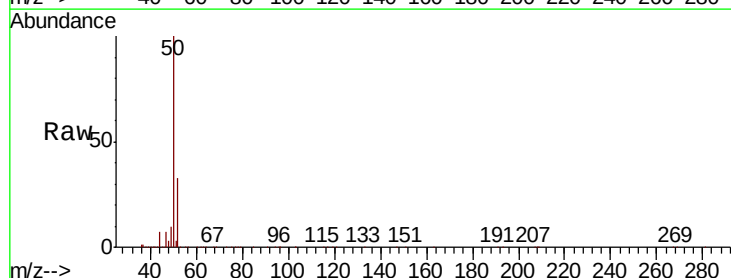
Acq: 02 Aug 2018 12:56

Tgt Ion: 50 Resp: 465388

Ion Ratio Lower Upper

50 100

52 33.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV006802.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006802.D (-104) (-)

1.25

500000

400000

300000

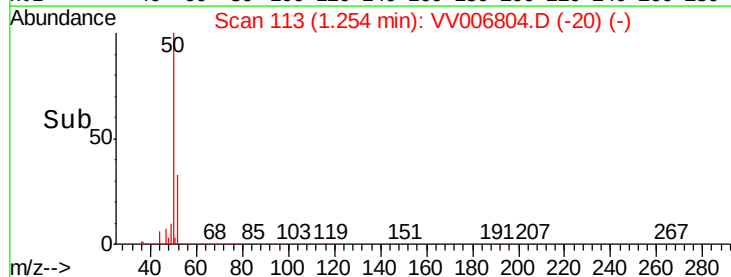
200000

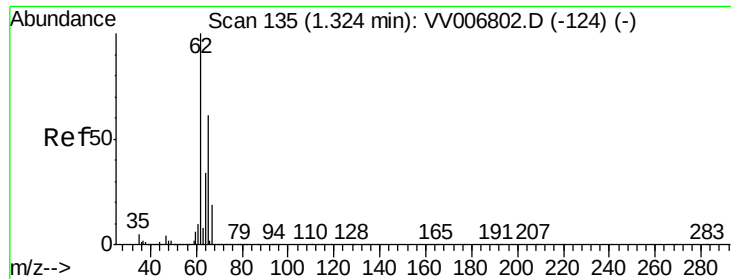
100000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 19.452 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

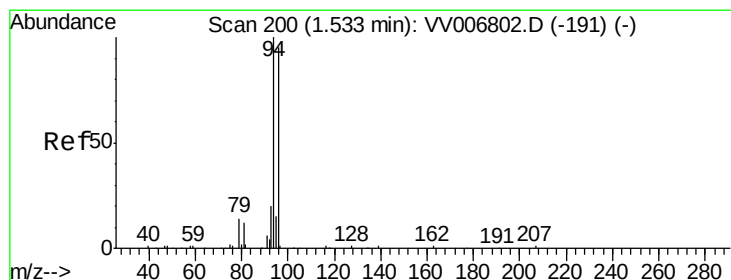
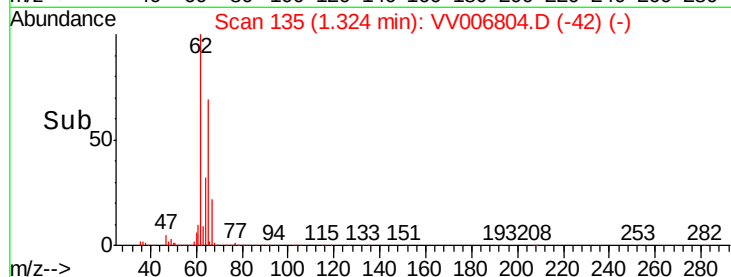
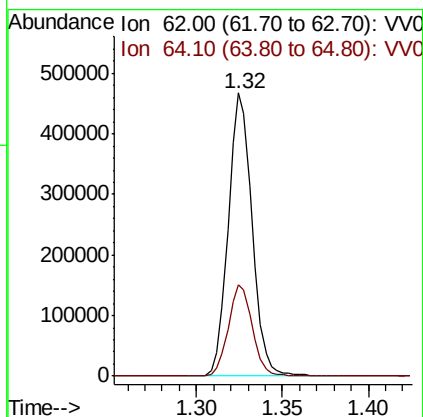
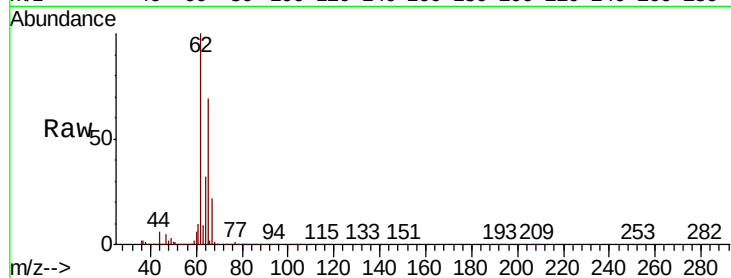
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 454562

Ion Ratio Lower Upper

62 100

64 32.3 23.7 43.9



#6

Bromomethane

Concen: 19.816 ug/L

RT: 1.53 min Scan# 199

Delta R.T. -0.00 min

Lab File: VV006804.D

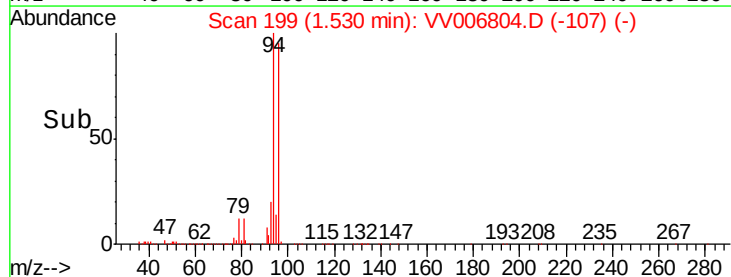
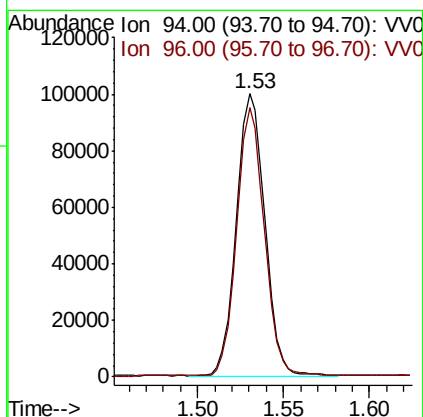
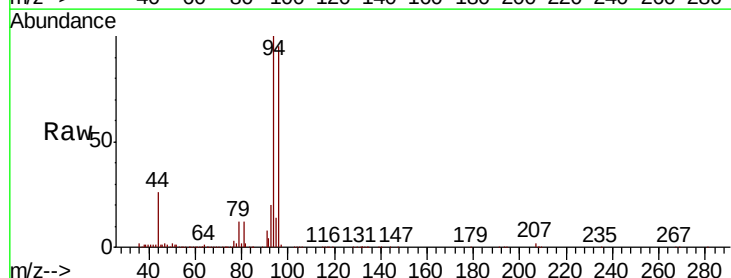
Acq: 02 Aug 2018 12:56

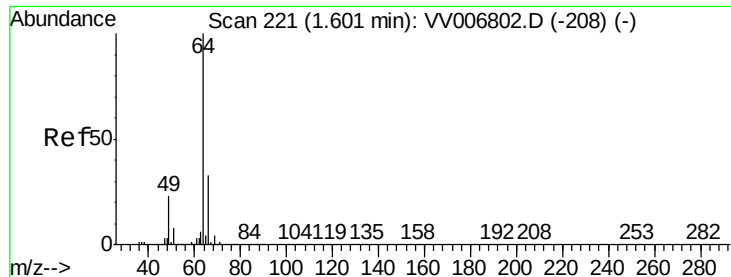
Tgt Ion: 94 Resp: 115481

Ion Ratio Lower Upper

94 100

96 95.0 66.2 123.0

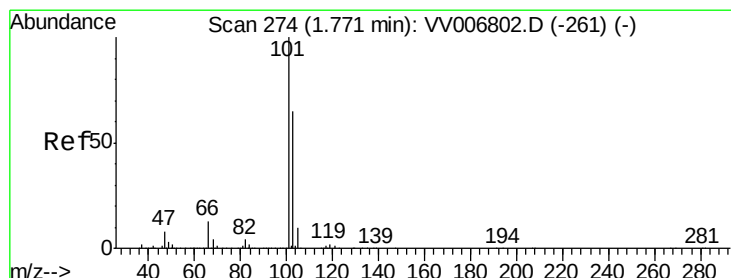
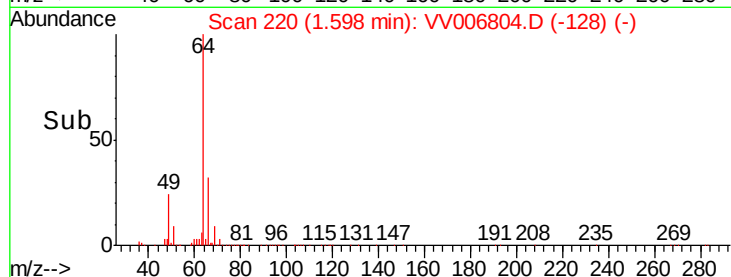
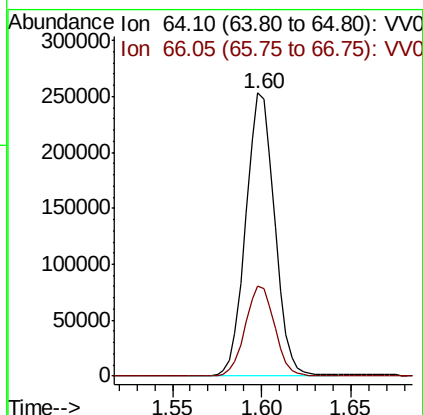
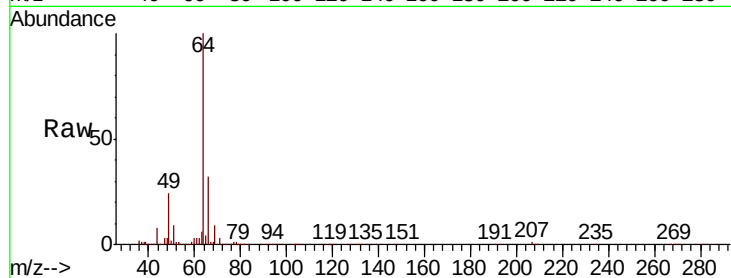




#8
Chloroethane
Concen: 18.127 ug/L
RT: 1.60 min Scan# 220
Delta R.T. -0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

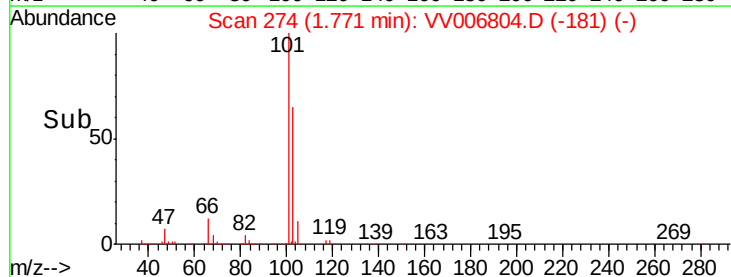
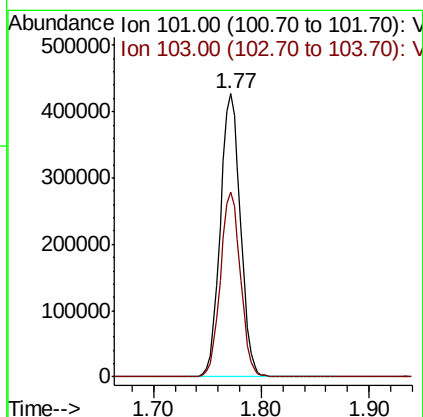
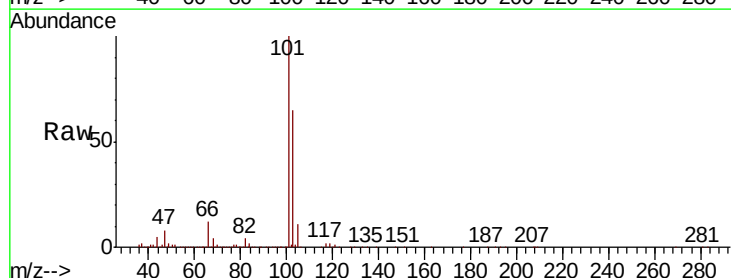
Instrument :
MSVOA_V
ClientSampleId :

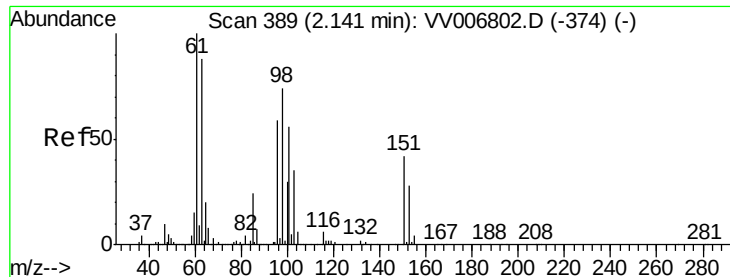
Tot Ion: 64 Resp: 284683
Ion Ratio Lower Upper
64 100
66 31.9 23.0 42.6



#9
Trichlorofluoromethane
Concen: 19.315 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Tgt Ion: 101 Resp: 551912
Ion Ratio Lower Upper
101 100
103 64.8 51.1 76.7





#10

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

Concen: 19.465 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :

MSVOA_V

ClientSampled :

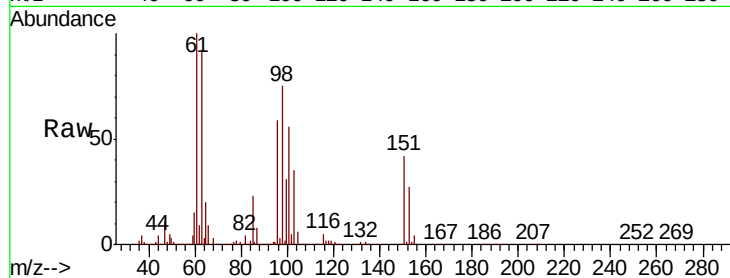
Tot Ion:101 Resp: 349822

Ion Ratio Lower Upper

101 100

85 41.0 33.3 49.9

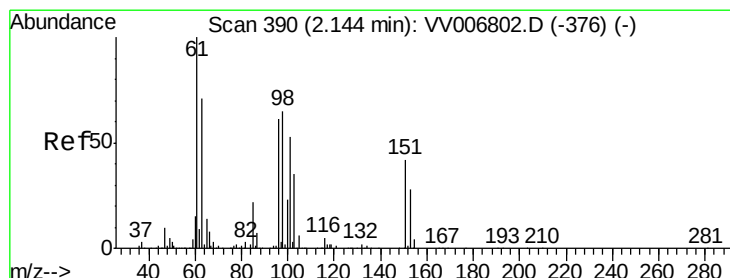
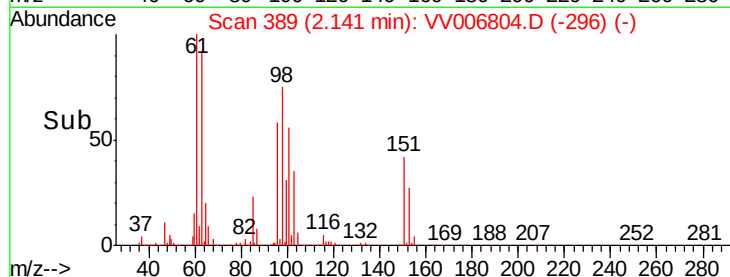
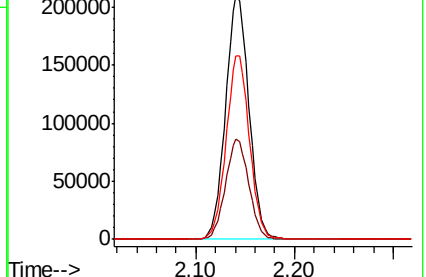
151 74.9 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV006802.D (-374) (-)

Ion 85.00 (84.70 to 85.70): VV006802.D (-374) (-)

Ion 151.00 (150.70 to 151.70): VV006802.D (-374) (-)



#12

1,1-Dichloroethene

Concen: 19.323 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

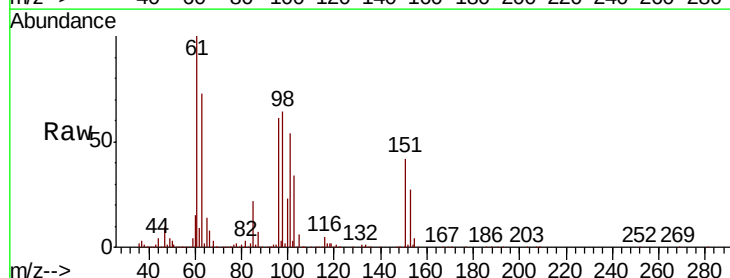
Tgt Ion: 96 Resp: 321688

Ion Ratio Lower Upper

96 100

61 164.8 115.3 214.1

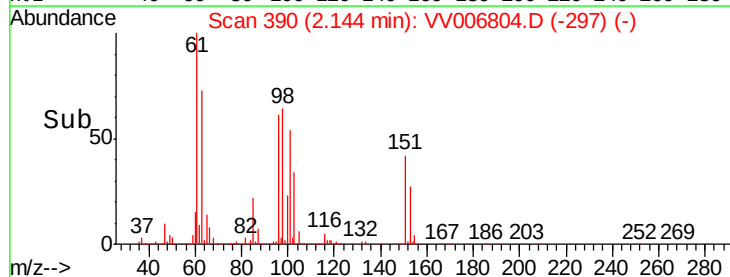
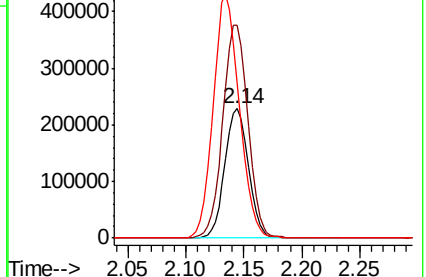
63 119.9 81.9 152.1

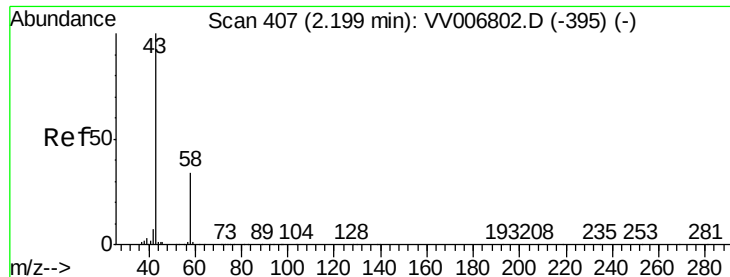


Abundance Ion 96.00 (95.70 to 96.70): VV006802.D (-376) (-)

Ion 61.05 (60.75 to 61.75): VV006802.D (-376) (-)

Ion 63.00 (62.70 to 63.70): VV006802.D (-376) (-)





#13

Acetone

Concen: 186.790 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.01 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

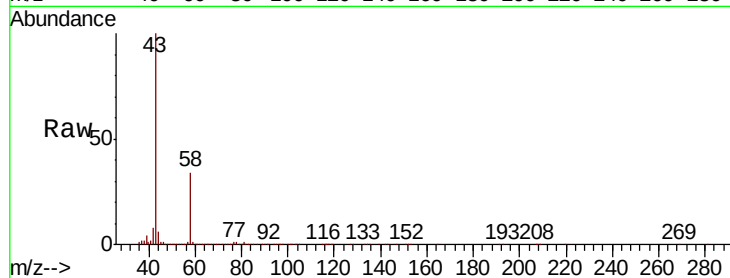
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 576371

Ion Ratio Lower Upper

43 100

58 34.9 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006802.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006802.D (-395) (-)

2.19

400000

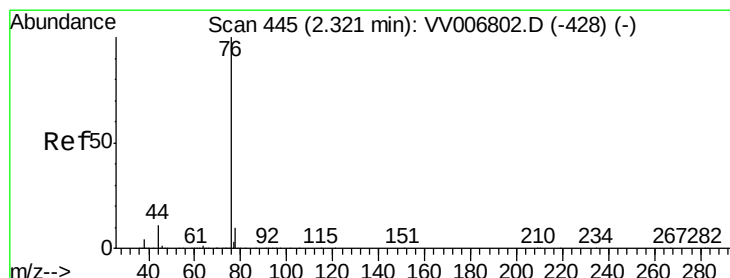
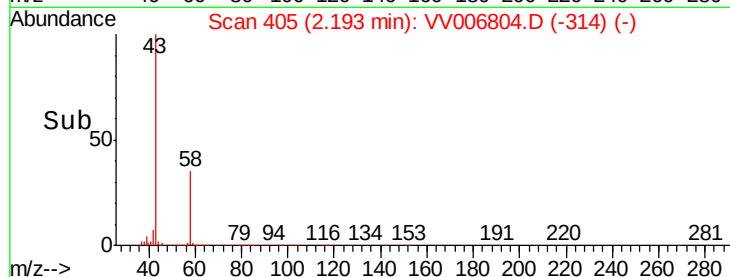
300000

200000

100000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 19.346 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV006804.D

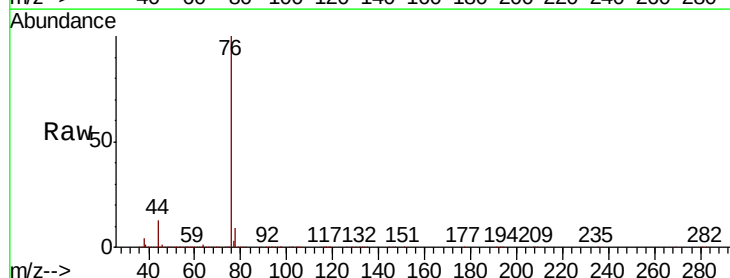
Acq: 02 Aug 2018 12:56

Tgt Ion: 76 Resp: 955379

Ion Ratio Lower Upper

76 100

78 9.3 8.7 13.1



Abundance Ion 76.05 (75.75 to 76.75): VV006802.D (-428) (-)

Ion 78.00 (77.70 to 78.70): VV006802.D (-428) (-)

2.32

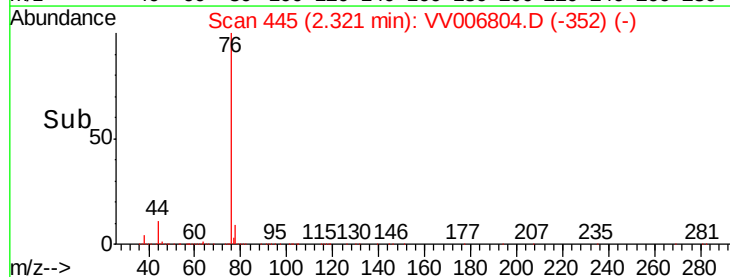
600000

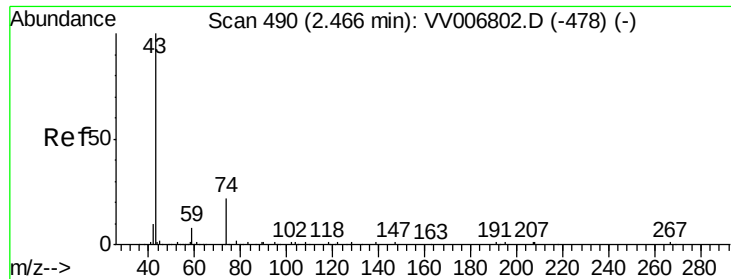
400000

200000

0

Time--> 2.20 2.30 2.40 2.50

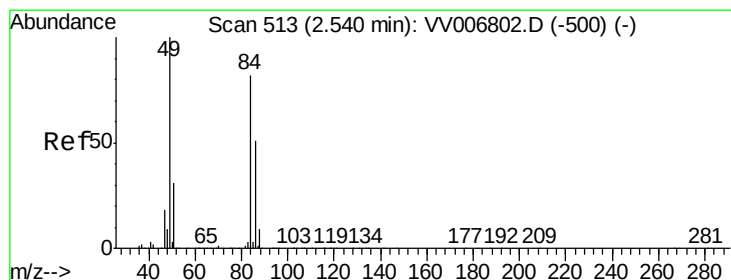
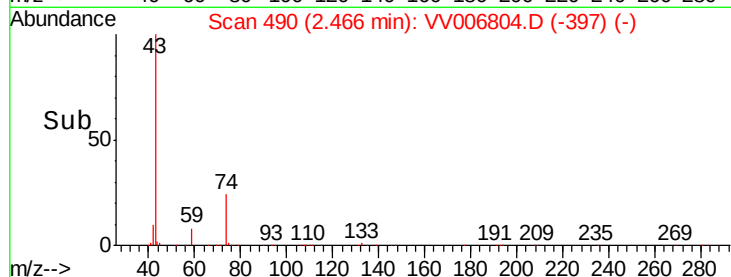
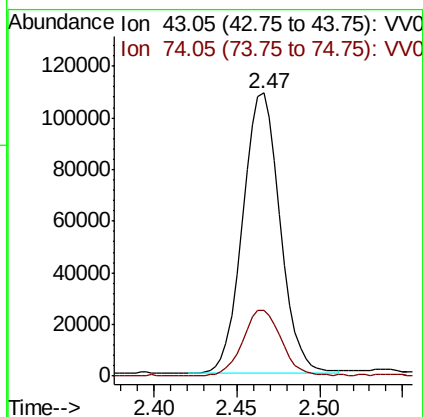
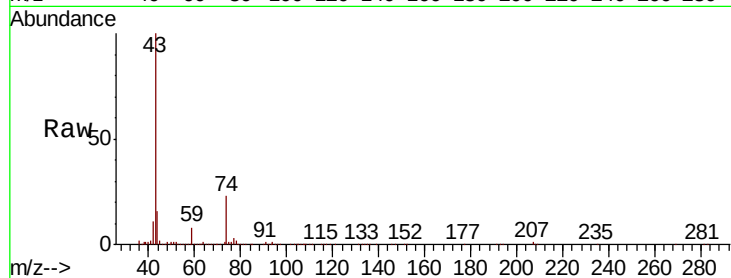




#15
Methyl Acetate
Concen: 18.348 ug/L
RT: 2.47 min Scan# 490
Delta R.T. 0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

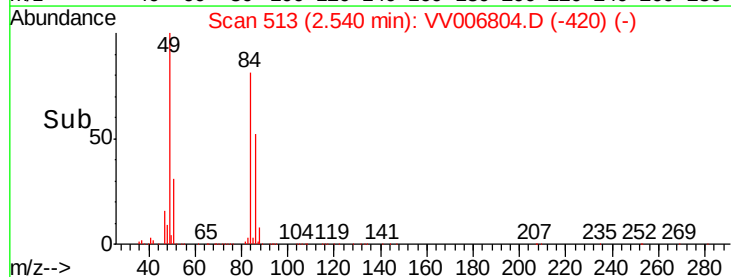
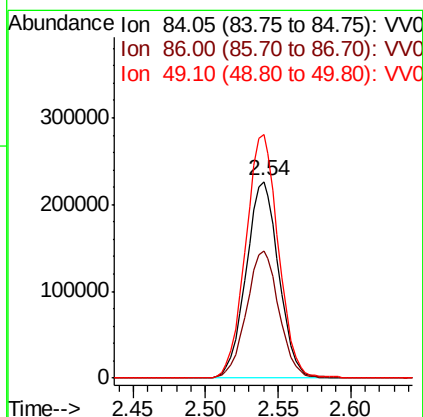
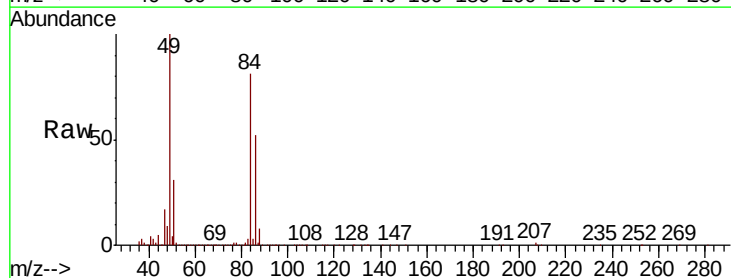
Instrument :
MSVOA_V
ClientSampleId :

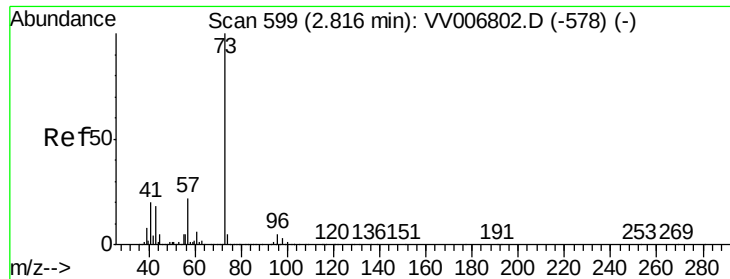
Tot Ion: 43 Resp: 170396
Ion Ratio Lower Upper
43 100
74 24.2 18.3 27.5



#16
Methylene chloride
Concen: 17.804 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Tgt Ion: 84 Resp: 354510
Ion Ratio Lower Upper
84 100
86 64.6 43.8 81.3
49 124.1 85.3 158.5





#17

Methyl tert-butyl Ether

Concen: 19.516 ug/L

RT: 2.82 min Scan# 599

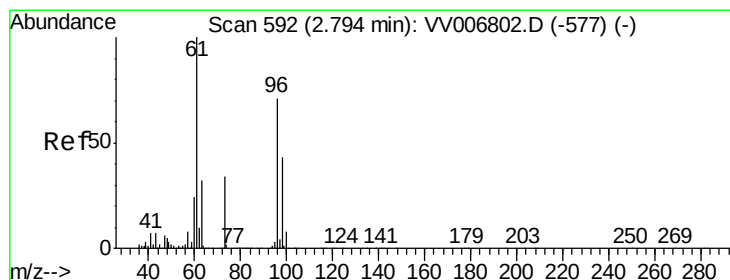
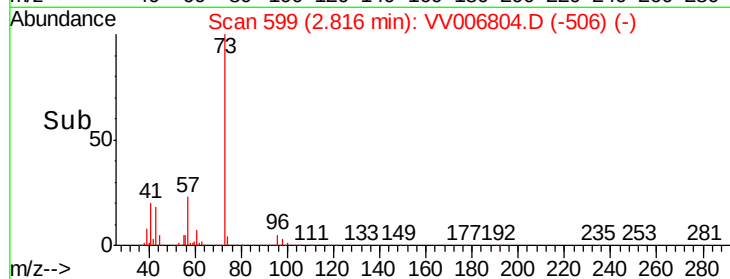
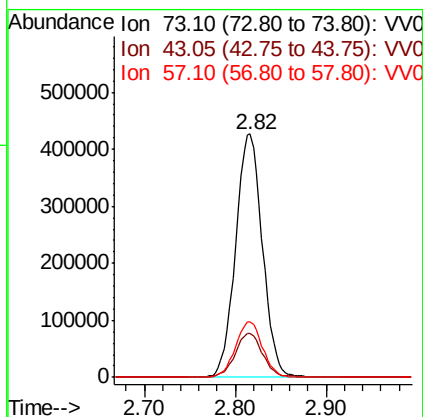
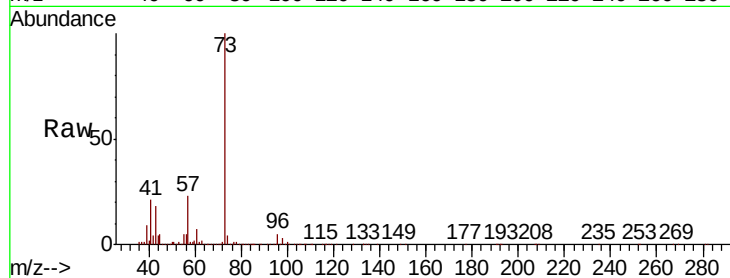
Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.1	14.6	22.0
57	23.1	18.0	27.0



#18

trans-1,2-Dichloroethene

Concen: 19.332 ug/L

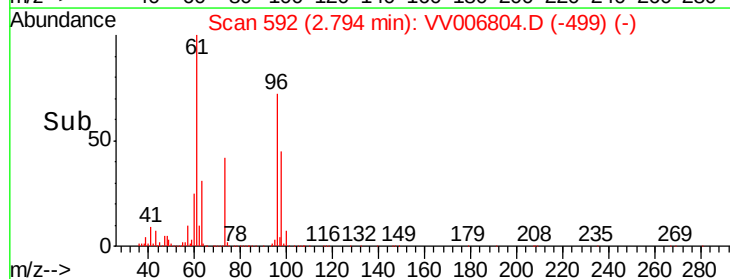
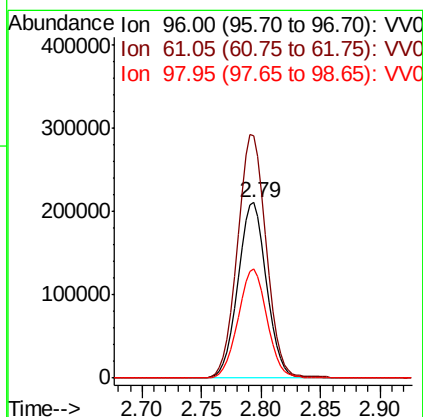
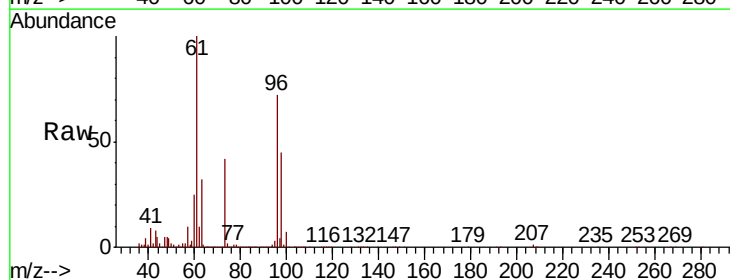
RT: 2.79 min Scan# 592

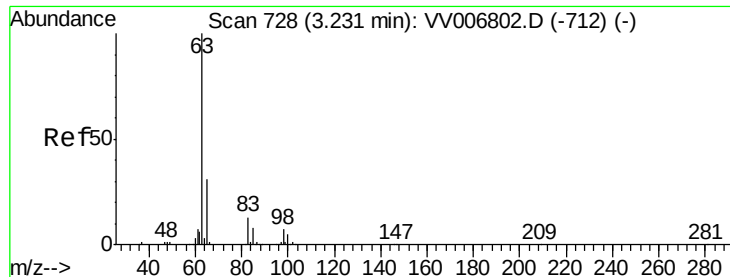
Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.0	99.0	183.8
98	62.0	42.8	79.4

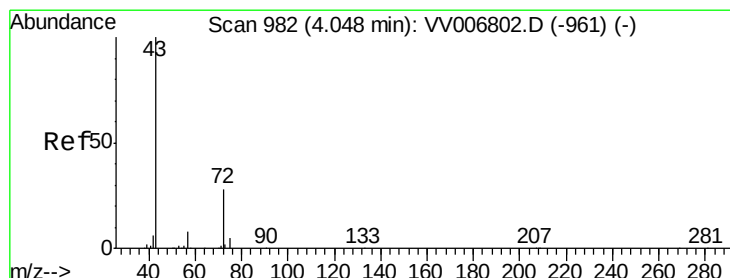
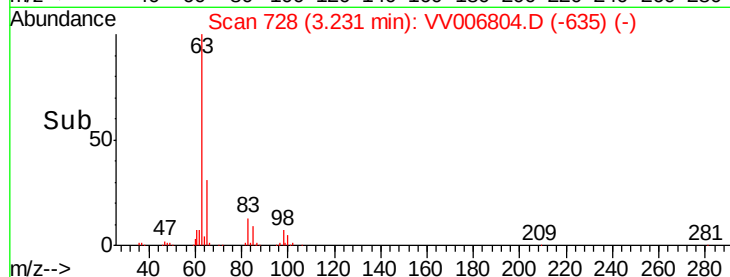
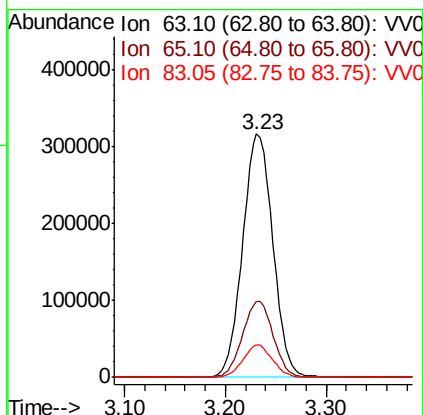
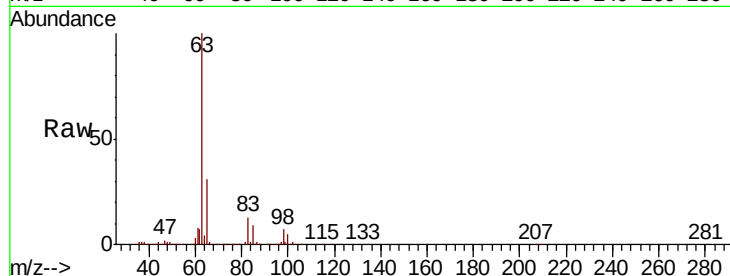




#19
 1,1-Dichloroethane
 Concen: 19.363 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

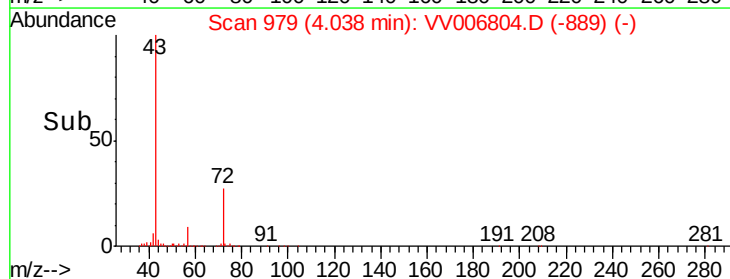
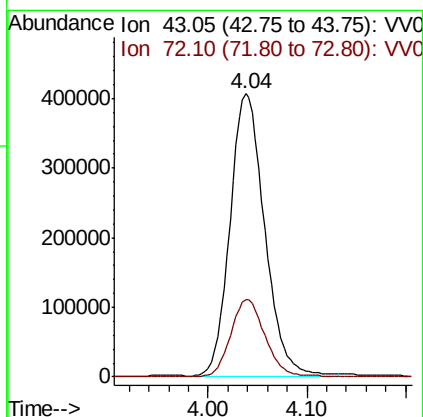
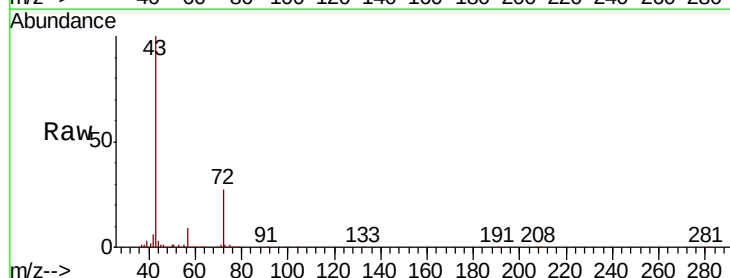
Instrument :
 MSVOA_V
 ClientSampleId :

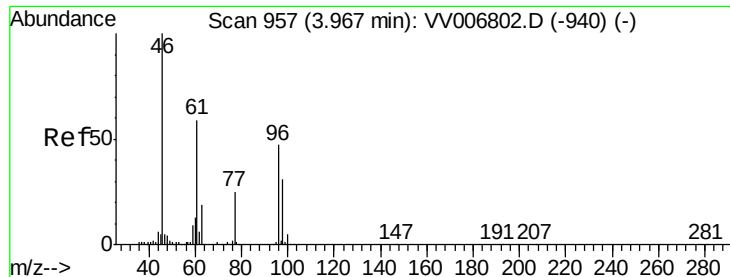
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.2	41.2
83	13.3	9.0	16.6



#21
 2-Butanone
 Concen: 209.421 ug/L
 RT: 4.04 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.8	13.4	40.1



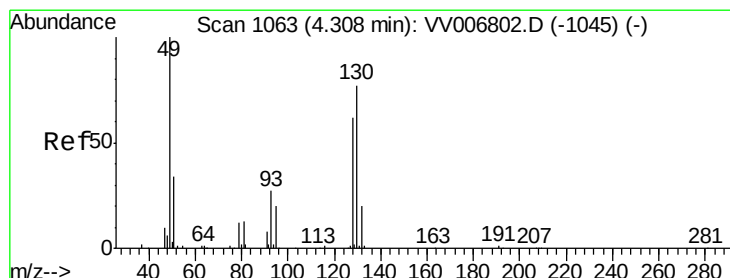
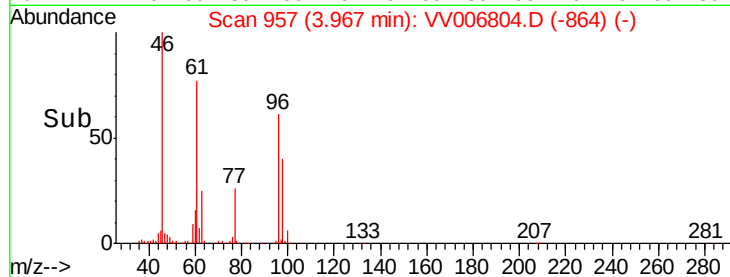
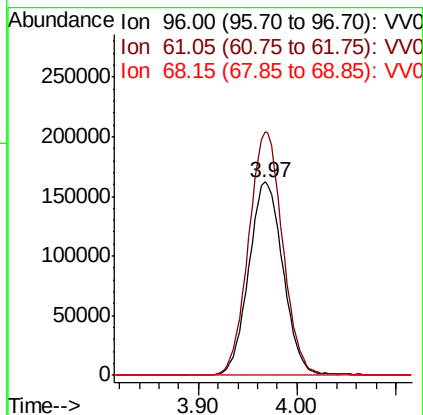
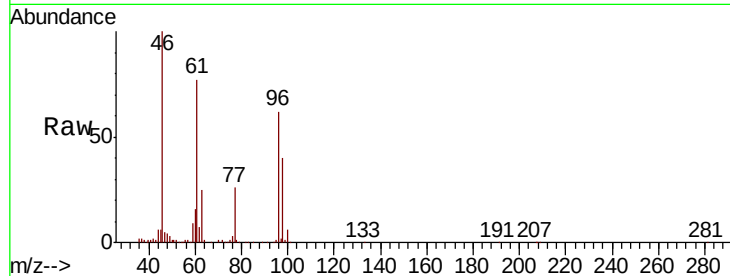


#22

cis-1,2-Dichloroethene
Concen: 19.937 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Instrument :
MSVOA_V
ClientSampled :

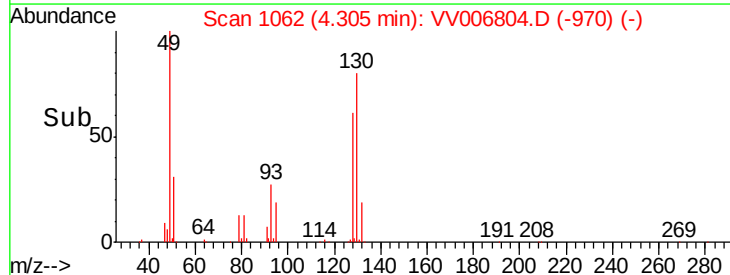
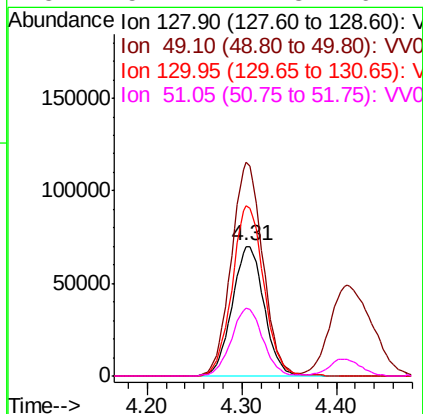
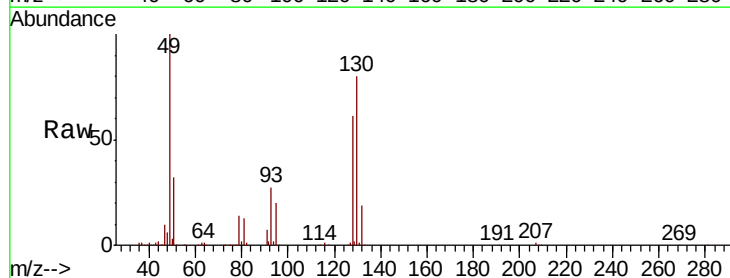
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.8	86.6	160.8
68	0.0	0.0	0.0

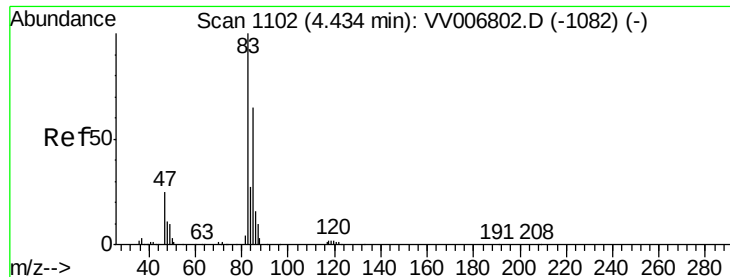


#23

Bromochloromethane
Concen: 19.398 ug/L
RT: 4.31 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.2	113.3	210.5
130	131.7	87.1	161.7
51	52.2	44.8	67.2





#25

Chloroform

Concen: 19.465 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

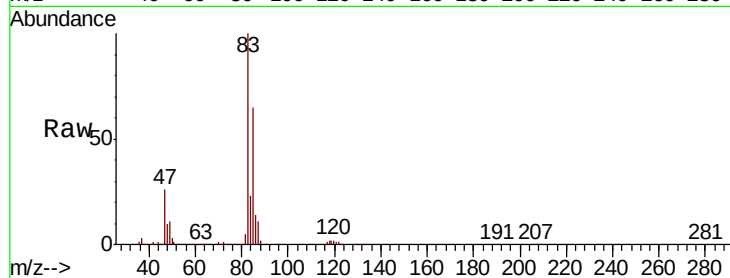
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 641084

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VV006802.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV006804.D (-1009) (-)

4.44

300000

250000

200000

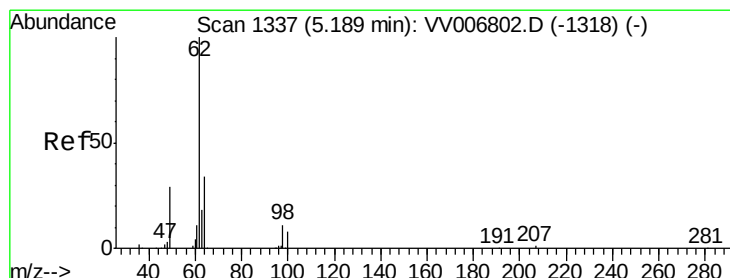
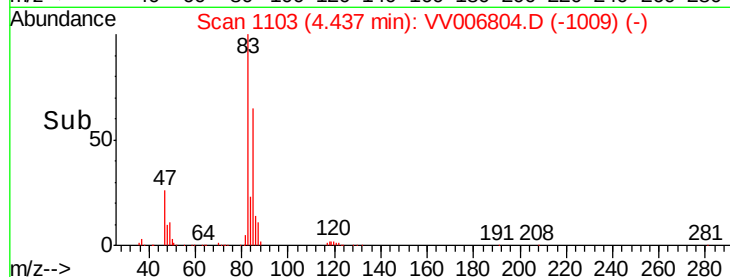
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 19.548 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006804.D

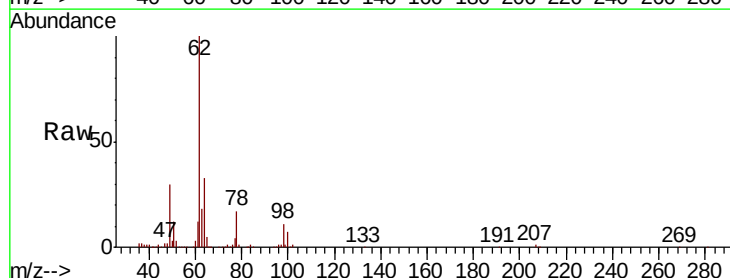
Acq: 02 Aug 2018 12:56

Tgt Ion: 62 Resp: 391681

Ion Ratio Lower Upper

62 100

98 10.8 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VV006802.D (-1318) (-)

Ion 98.05 (97.75 to 98.75): VV006804.D (-1244) (-)

5.19

200000

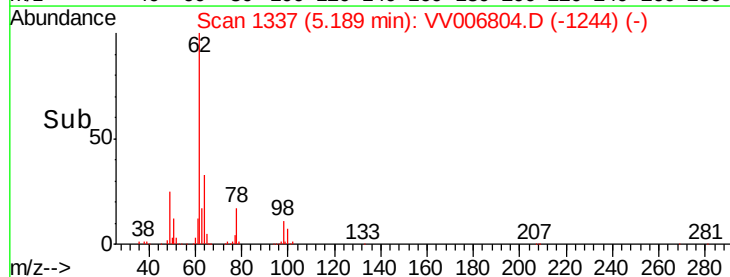
150000

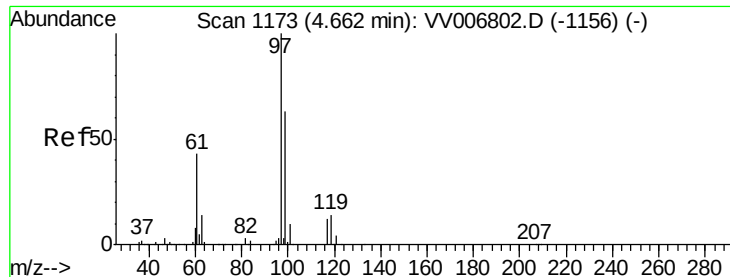
100000

50000

0

Time-->

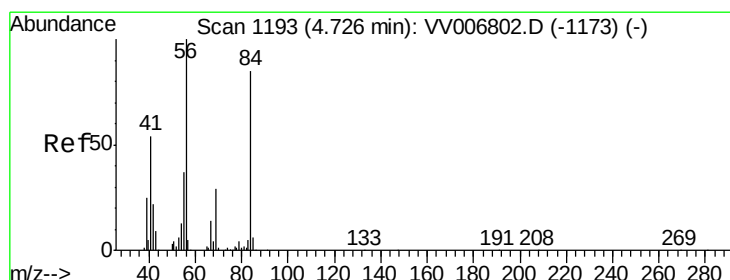
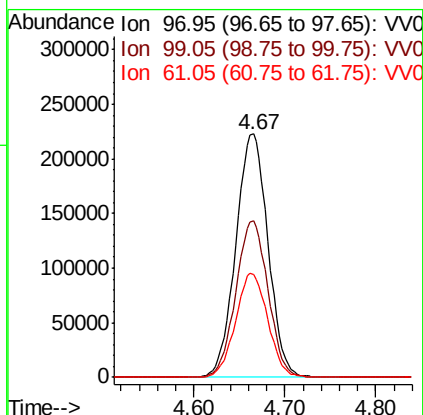
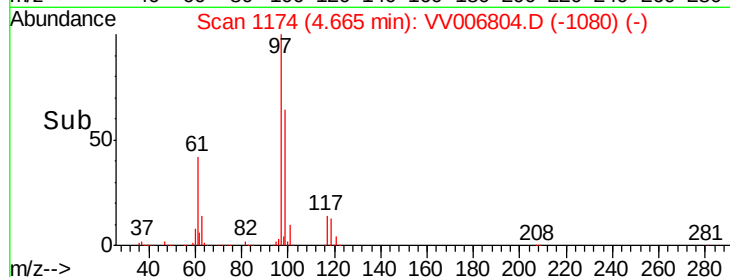
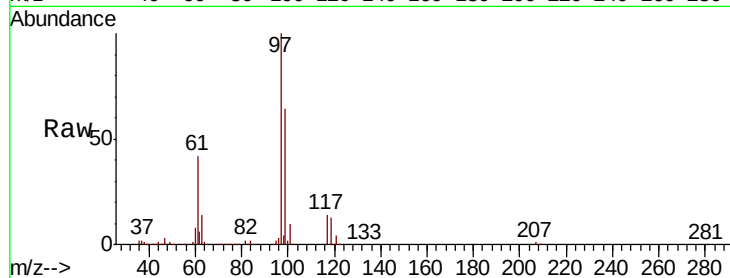




#29
 1,1,1-Trichloroethane
 Concen: 19.612 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

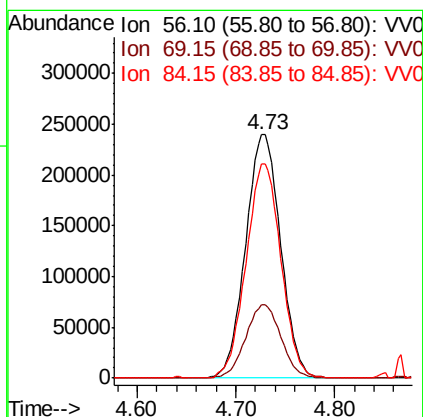
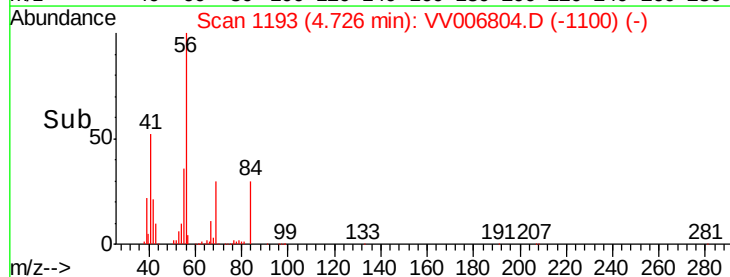
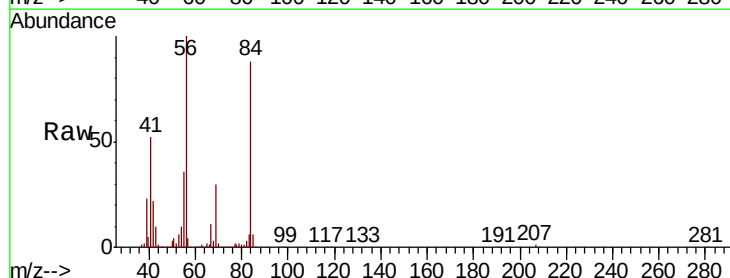
Instrument :
 MSVOA_V
 ClientSampleId :

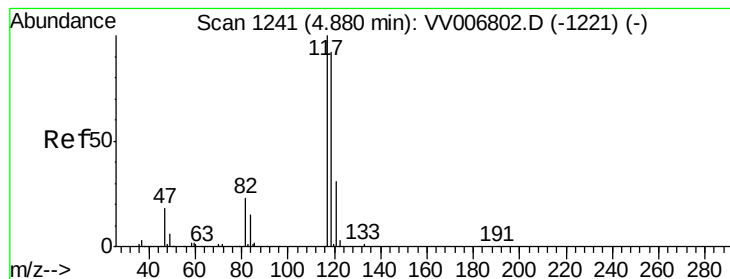
Tot Ion: 97 Resp: 547878
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.8 77.8
 61 42.7 34.8 52.2



#30
 Cyclohexane
 Concen: 20.286 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Tgt Ion: 56 Resp: 586920
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.4 36.6
 84 87.9 69.4 104.2





#31

Carbon tetrachloride

Concen: 19.660 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

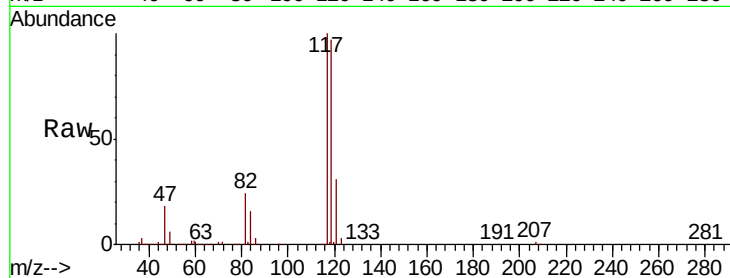
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 452194

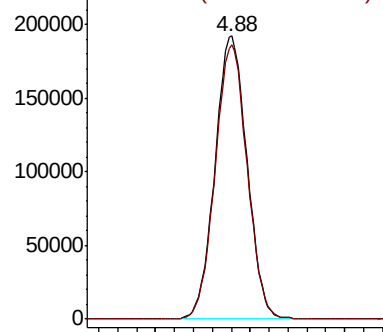
Ion Ratio Lower Upper

117 100

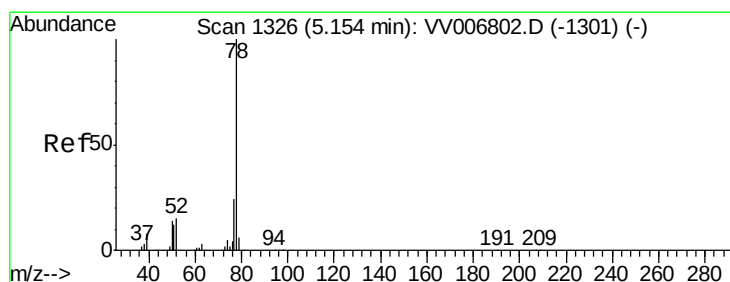
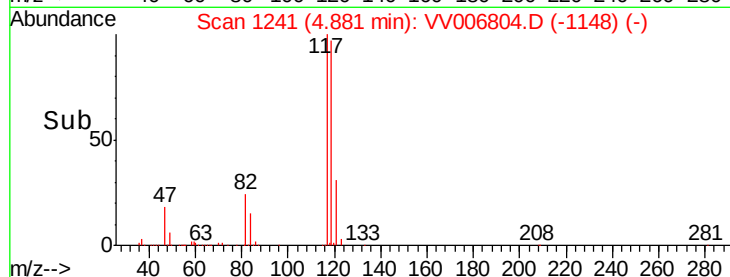
119 96.8 75.1 112.7



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 19.853 ug/L

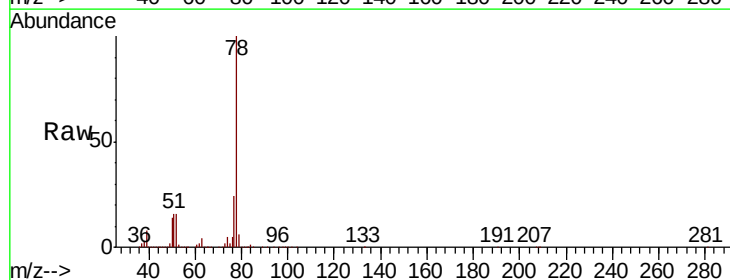
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

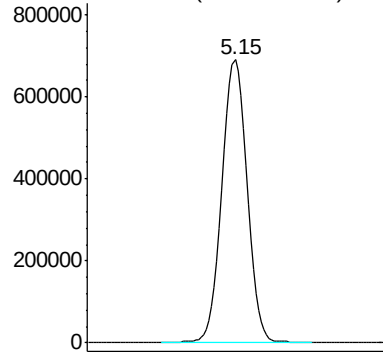
Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

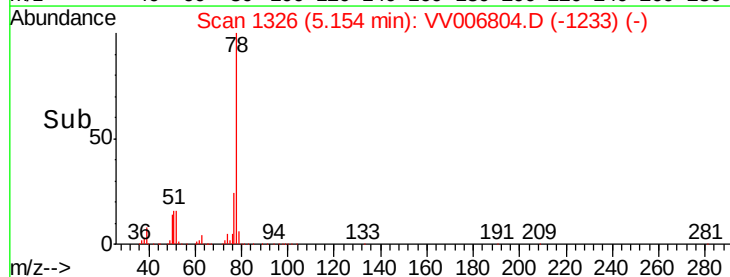
Tgt Ion: 78 Resp: 1470077

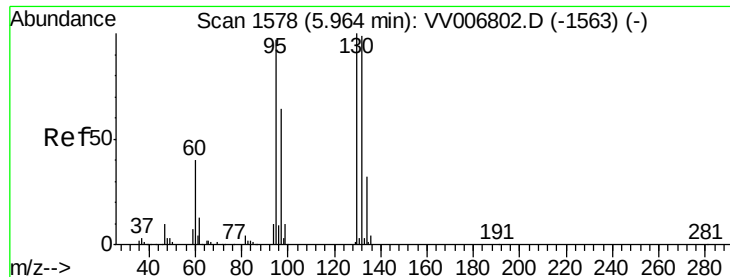


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 19.149 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 360912

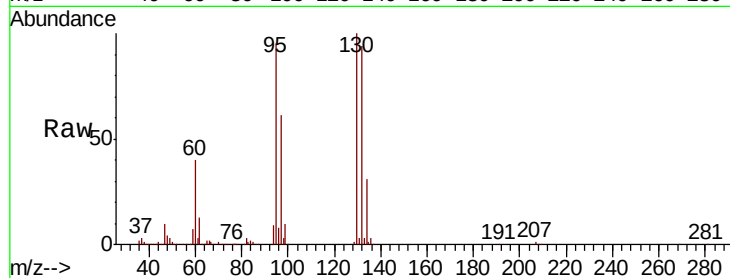
Ion Ratio Lower Upper

95 100

97 64.5 46.3 86.1

132 99.0 72.0 133.6

130 105.1 72.4 134.4

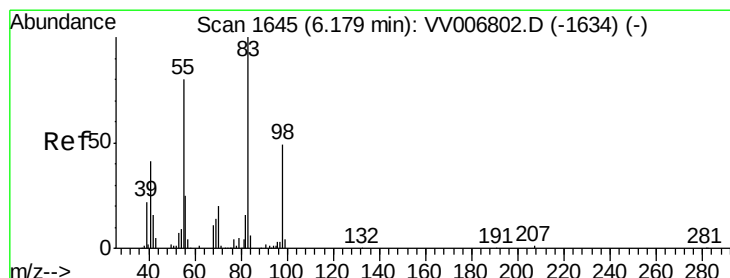
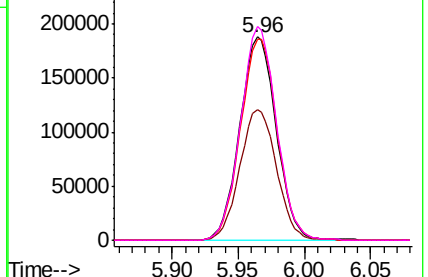
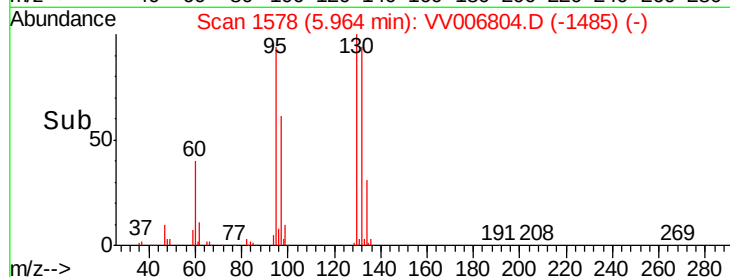


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 20.669 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

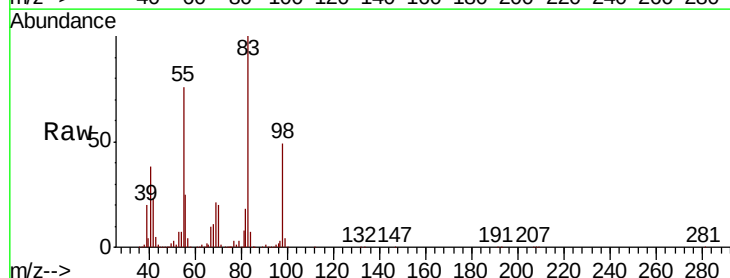
Tgt Ion: 83 Resp: 618517

Ion Ratio Lower Upper

83 100

55 76.1 61.8 92.6

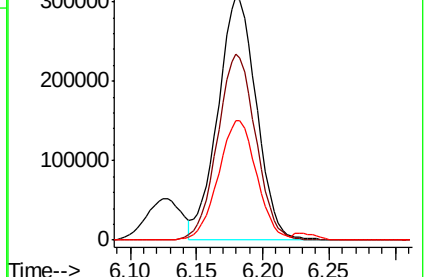
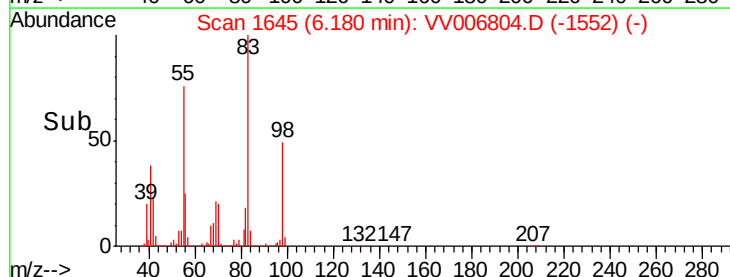
98 48.6 37.2 55.8

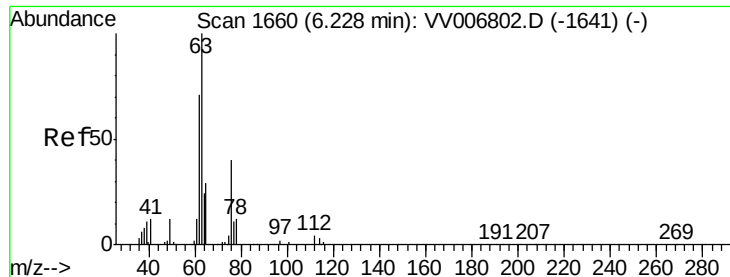


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

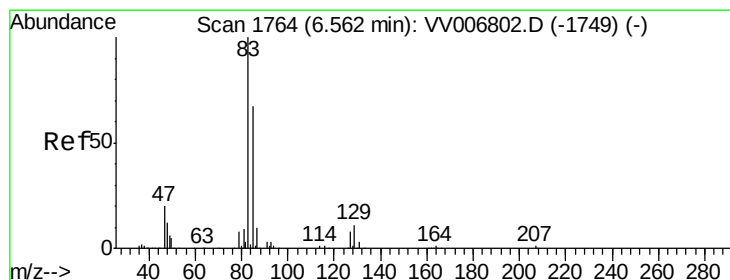
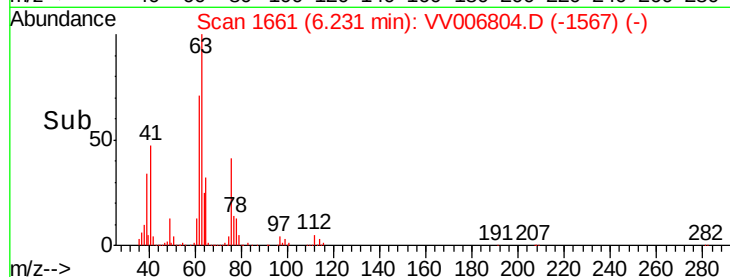
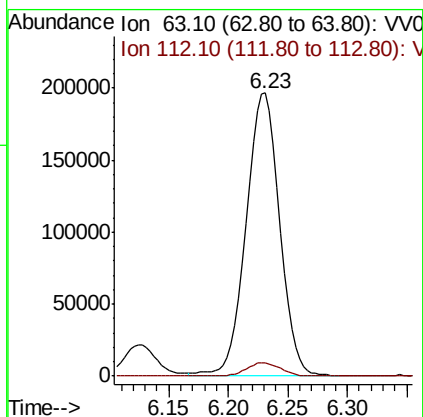
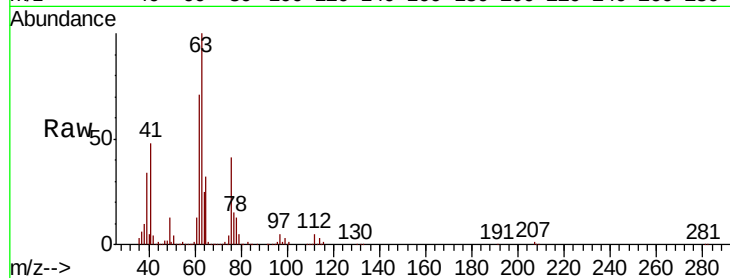




#37
 1,2-Dichloropropane
 Concen: 19.659 ug/L
 RT: 6.23 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

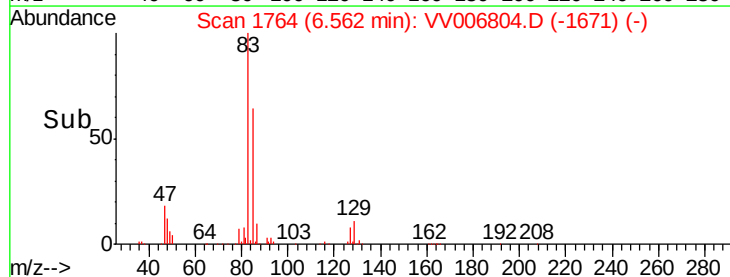
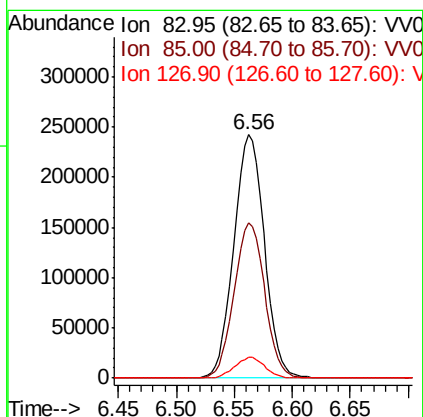
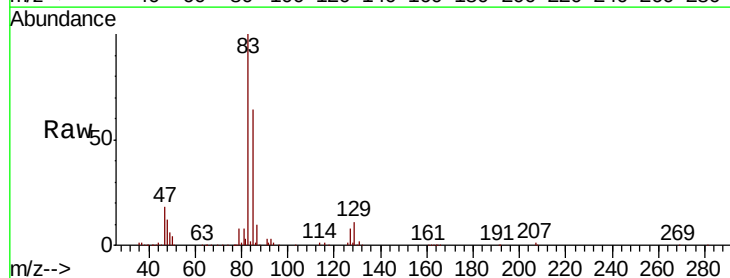
Instrument :
 MSVOA_V
 ClientSampleId :

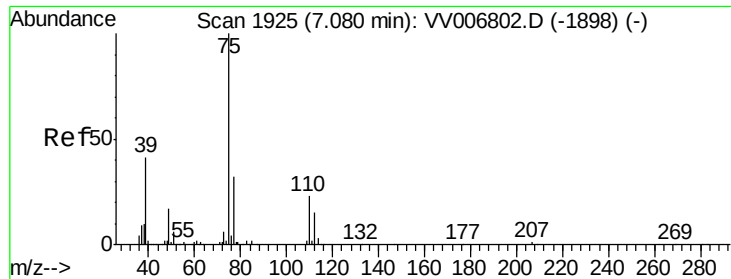
Tot Ion: 63 Resp: 381692
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 20.051 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Tgt Ion: 83 Resp: 443141
 Ion Ratio Lower Upper
 83 100
 85 63.8 46.7 86.7
 127 8.4 6.4 9.6



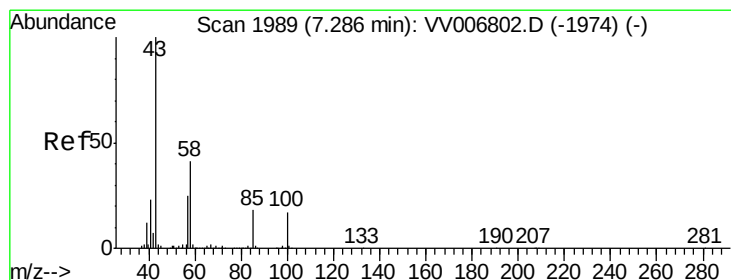
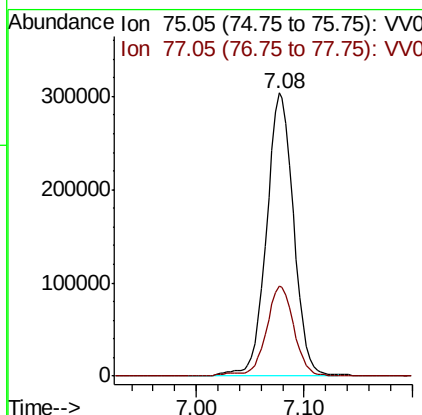
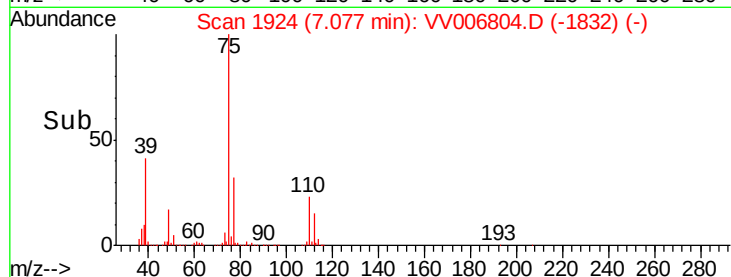
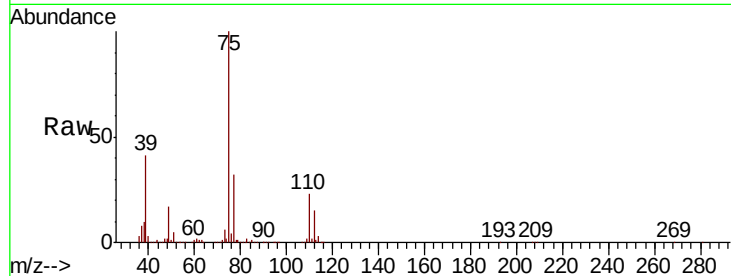


#39

cis-1,3-Dichloropropene
 Concen: 21.058 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Instrument :
 MSVOA_V
 ClientSampleId :

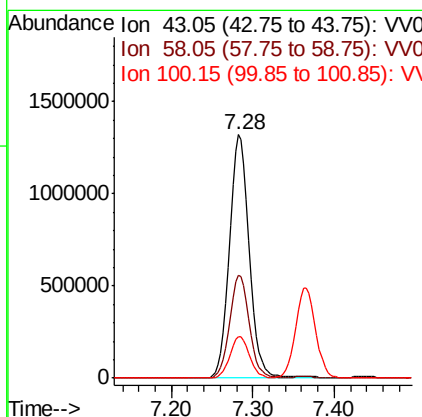
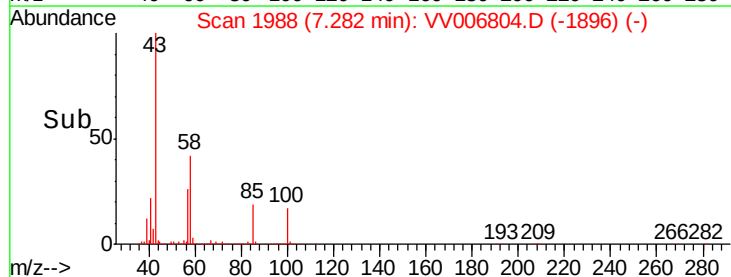
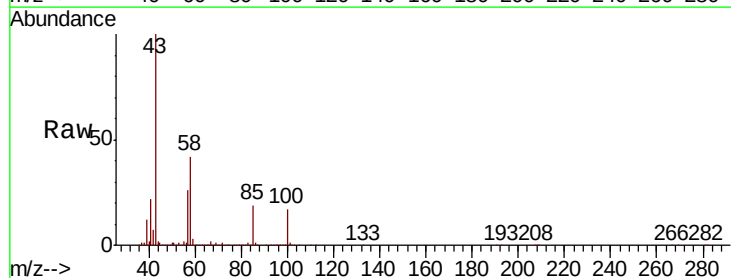
Tot Ion: 75 Resp: 527974
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.5 41.9

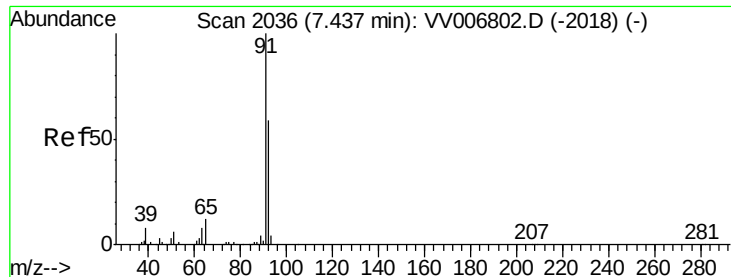


#40

4-Methyl-2-pentanone
 Concen: 211.527 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Tgt Ion: 43 Resp: 2272949
 Ion Ratio Lower Upper
 43 100
 58 41.9 32.6 48.8
 100 16.9 13.1 19.7





#42

Toluene

Concen: 20.704 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

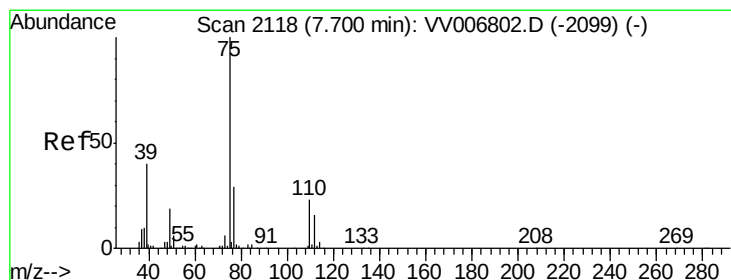
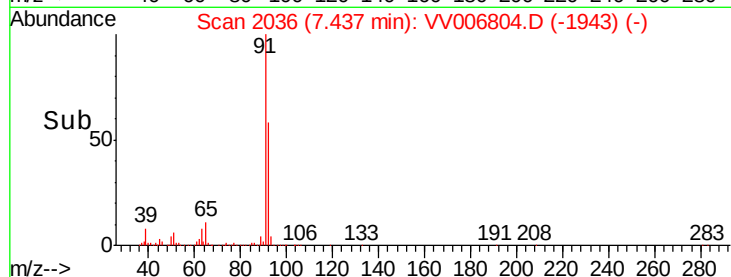
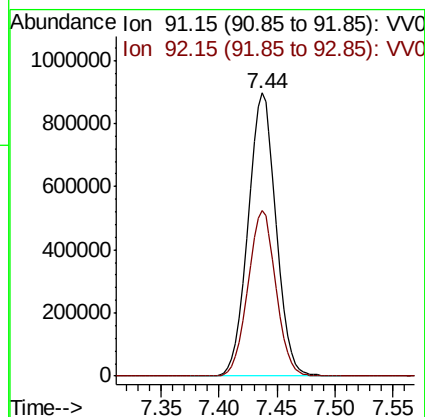
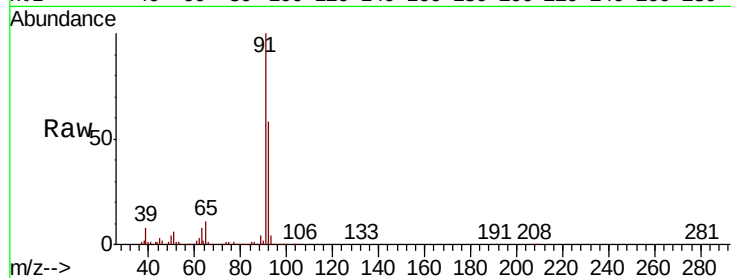
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1508157

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 21.082 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006804.D

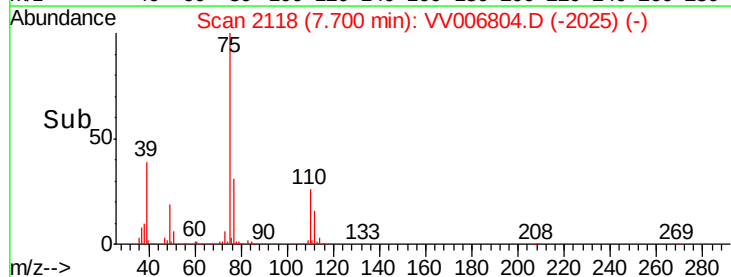
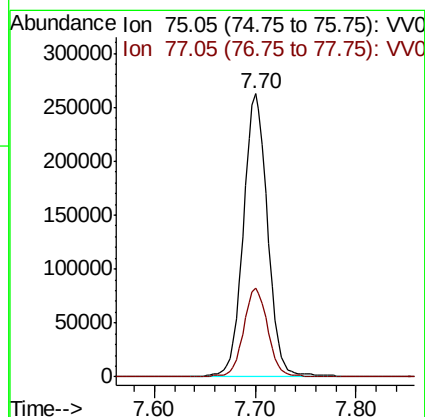
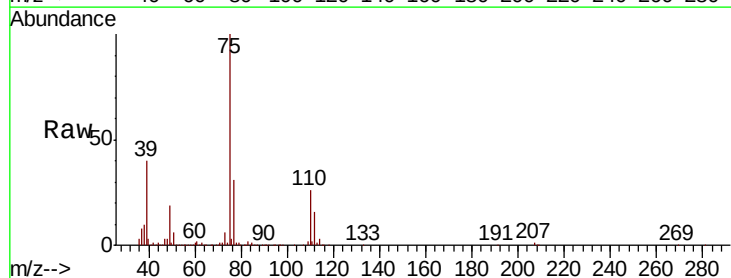
Acq: 02 Aug 2018 12:56

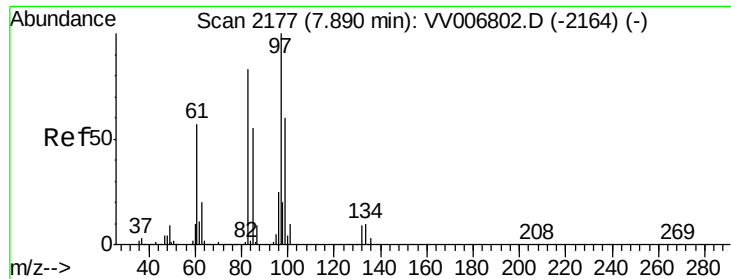
Tgt Ion: 75 Resp: 435189

Ion Ratio Lower Upper

75 100

77 31.3 20.5 38.1

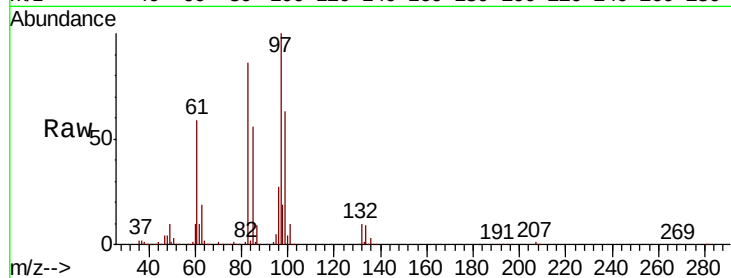




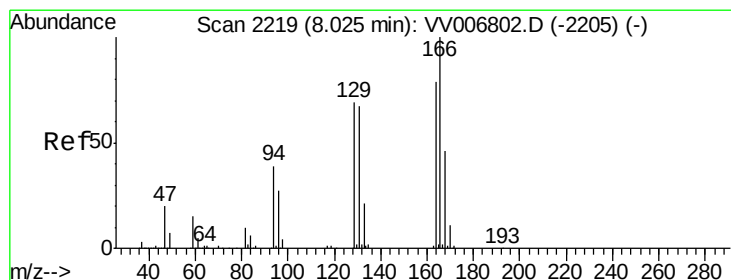
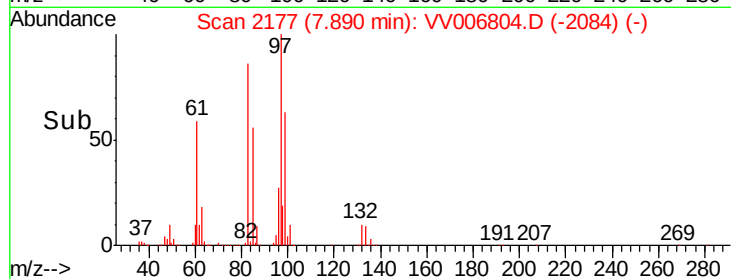
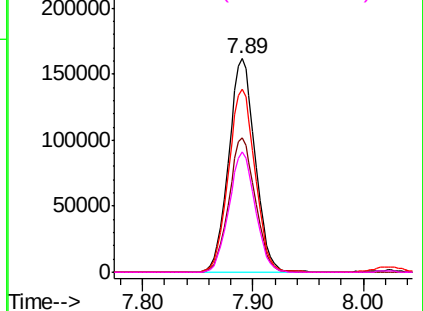
#45
 1,1,2-Trichloroethane
 Concen: 19.149 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	268800
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.2	78.4
83	85.6	58.0	107.8
85	56.1	38.2	71.0

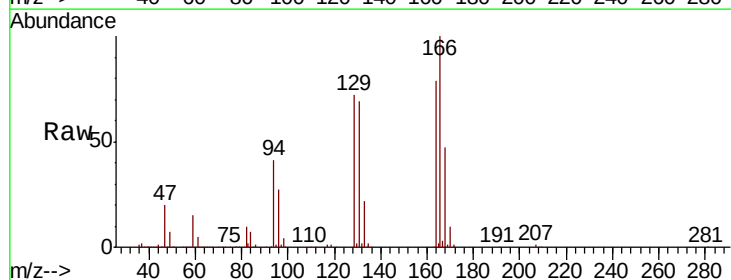


Abundance Ion 96.95 (96.65 to 97.65): VV006804.D (-2084) (-)
 Ion 99.05 (98.75 to 99.75): VV006804.D (-2084) (-)
 Ion 82.95 (82.65 to 83.65): VV006804.D (-2084) (-)
 Ion 85.00 (84.70 to 85.70): VV006804.D (-2084) (-)

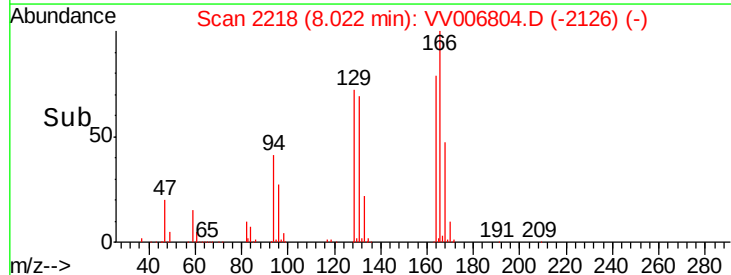
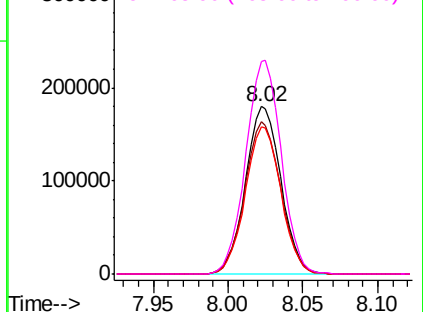


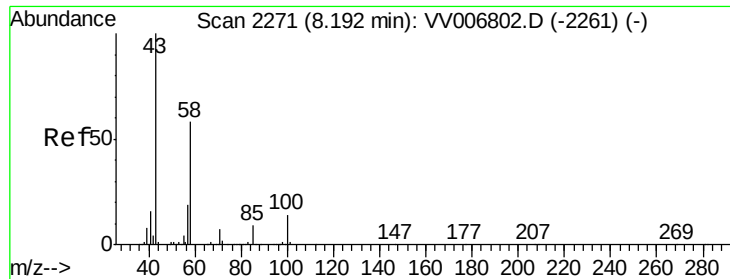
#47
 Tetrachloroethene
 Concen: 19.729 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Tgt Ion:	164	Resp:	296227
Ion	Ratio	Lower	Upper
164	100		
129	91.2	61.1	113.5
131	88.3	59.1	109.7
166	127.3	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): VV006804.D (-2126) (-)
 Ion 128.95 (128.65 to 129.65): VV006804.D (-2126) (-)
 Ion 130.95 (130.65 to 131.65): VV006804.D (-2126) (-)
 Ion 165.90 (165.60 to 166.60): VV006804.D (-2126) (-)

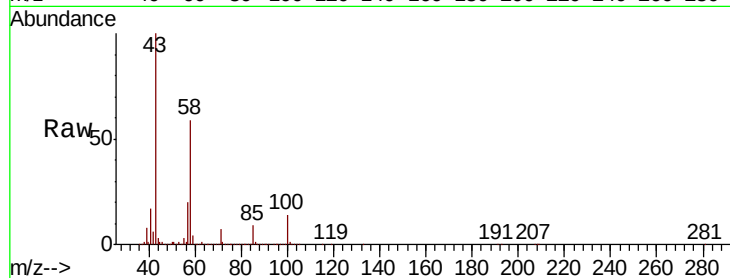




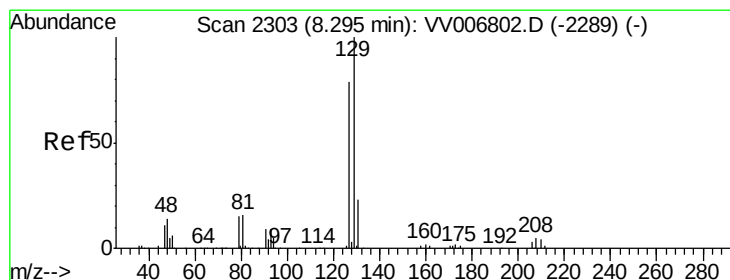
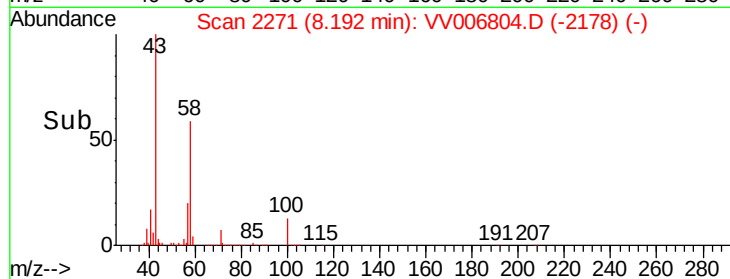
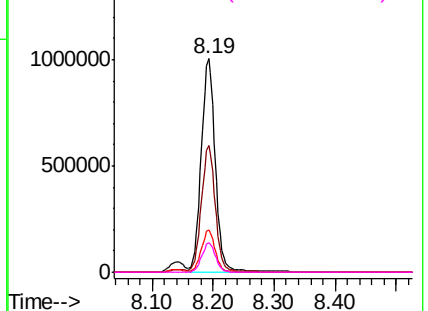
#48
2-Hexanone
Concen: 219.510 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1600464
Ion Ratio Lower Upper
43 100
58 58.3 45.4 68.0
57 19.2 15.4 23.2
100 13.4 10.6 16.0

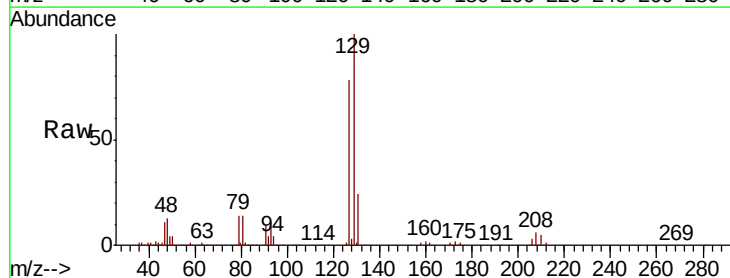


Abundance Ion 43.05 (42.75 to 43.75): VV006804.D (-2178) (-)
Ion 58.05 (57.75 to 58.75): VV006804.D (-2178) (-)
Ion 57.20 (56.90 to 57.90): VV006804.D (-2178) (-)
Ion 100.15 (99.85 to 100.85): VV006804.D (-2178) (-)

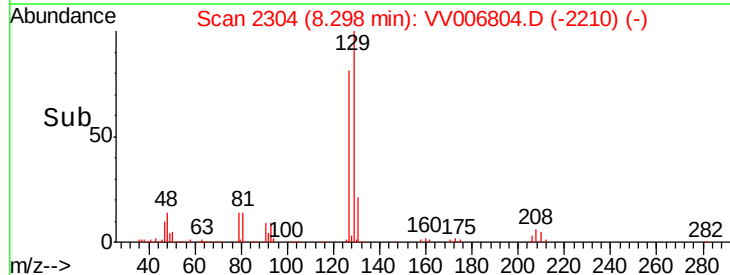
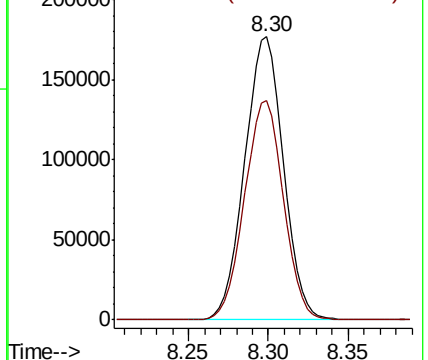


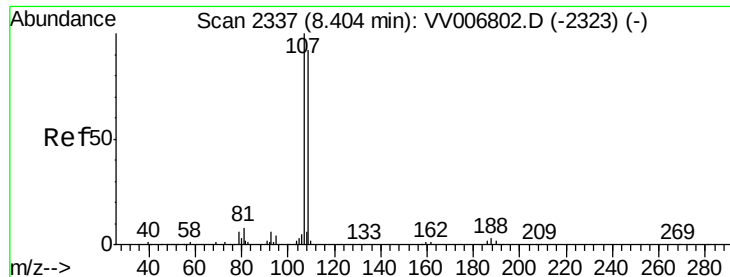
#49
Dibromochloromethane
Concen: 20.724 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Tgt Ion: 129 Resp: 294084
Ion Ratio Lower Upper
129 100
127 77.6 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV006804.D (-2210) (-)
Ion 126.90 (126.60 to 127.60): VV006804.D (-2210) (-)

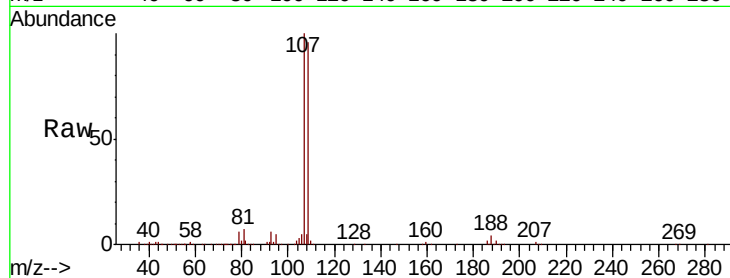




#50
1,2-Dibromoethane
Concen: 20.265 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	64.0	119.0
188	4.1	2.8	4.2

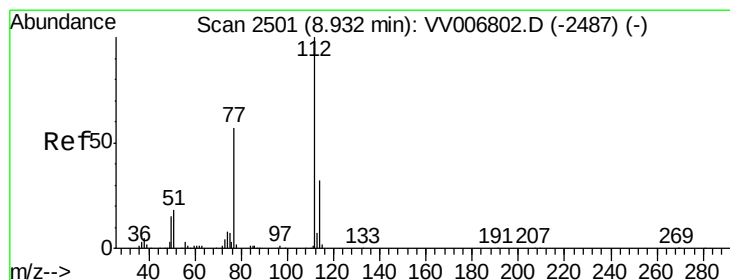
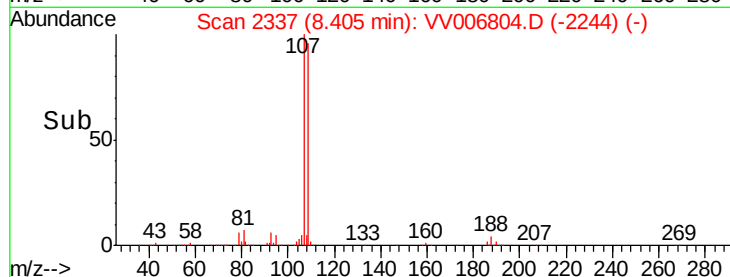
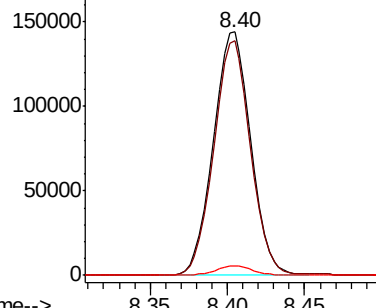


Abundance

Ion 106.95 (106.65 to 107.65): V

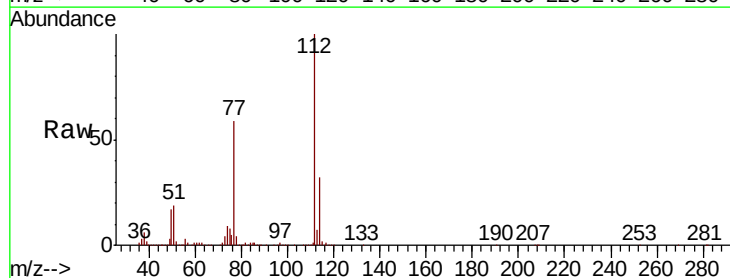
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 20.477 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006804.D
Acq: 02 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.3	41.5
77	59.3	46.3	69.5

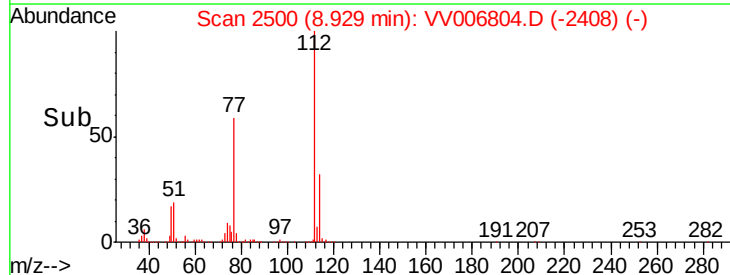
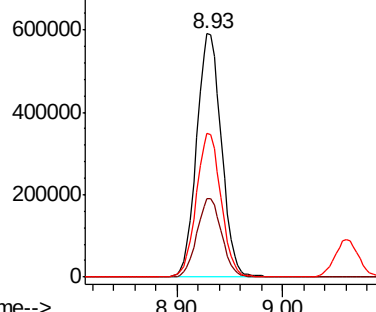


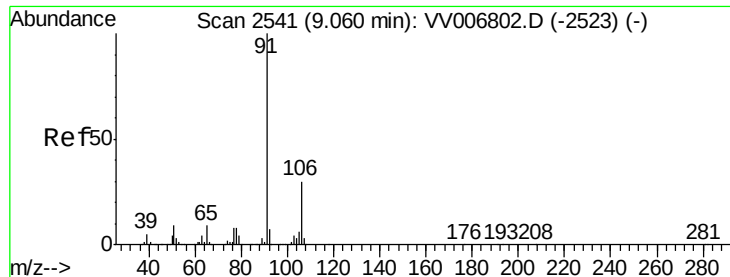
Abundance

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): VV0





#52

Ethylbenzene

Concen: 21.412 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

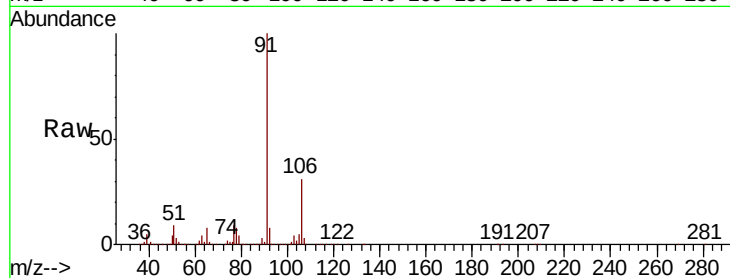
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1629351

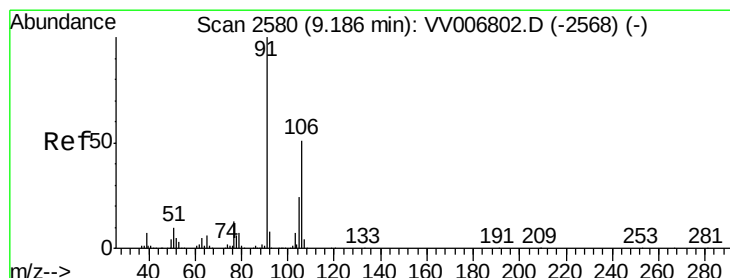
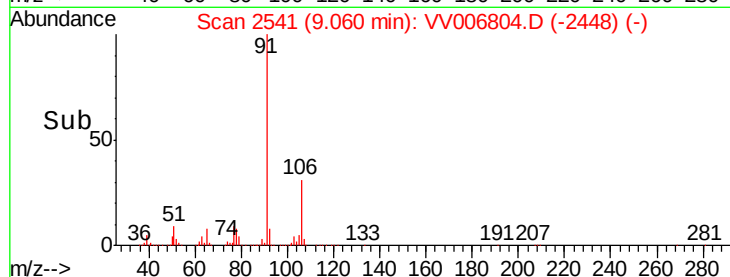
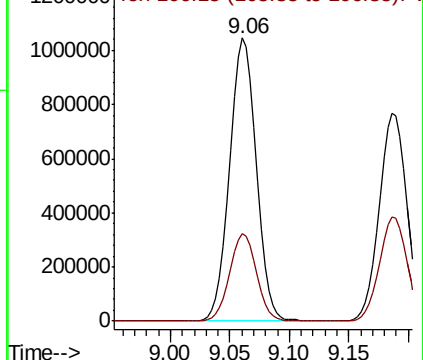
Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV006804.D (-2448) (-)



#53

m,p-xylene

Concen: 22.216 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006804.D

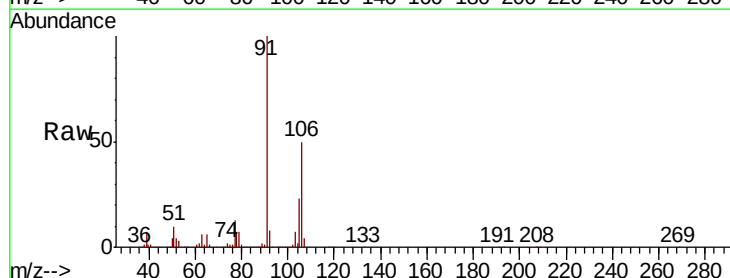
Acq: 02 Aug 2018 12:56

Tgt Ion: 106 Resp: 627544

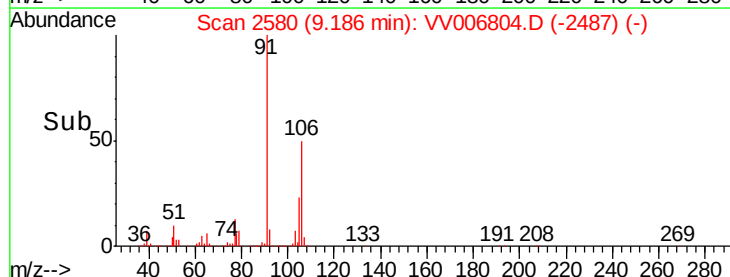
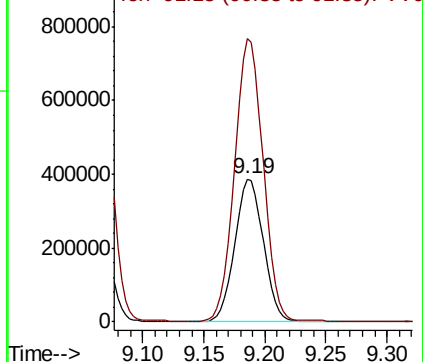
Ion Ratio Lower Upper

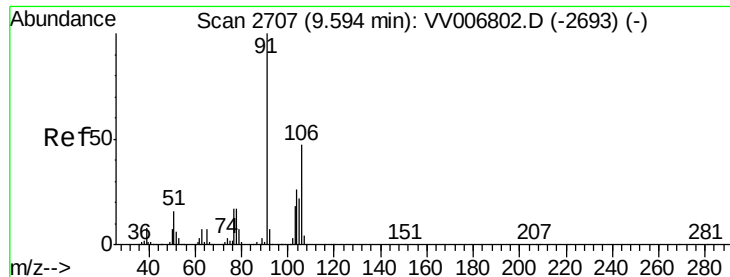
106 100

91 198.2 137.4 255.2



Abundance Ion 106.15 (105.85 to 106.85): VV006804.D (-2487) (-)





#54

o-xylene

Concen: 21.641 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

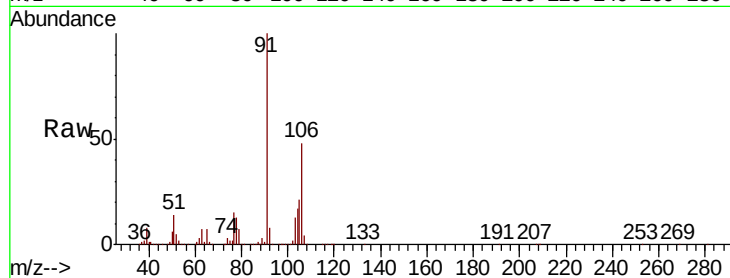
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 616856

Ion Ratio Lower Upper

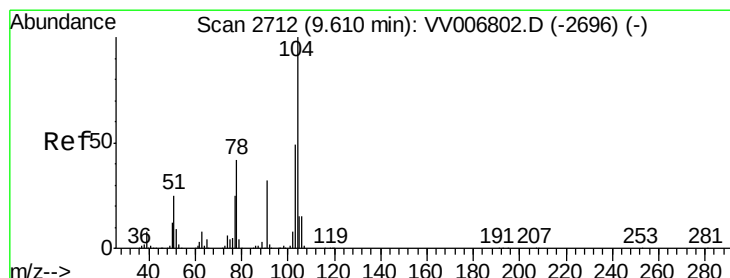
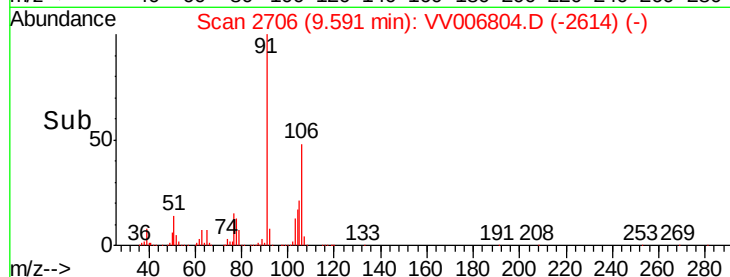
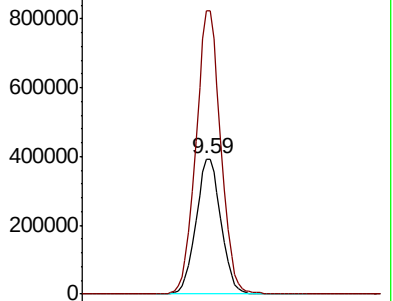
106 100

91 208.9 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): VV006804.D (-2614) (-)

Ion 91.15 (90.85 to 91.85): VV006804.D (-2614) (-)



#55

Styrene

Concen: 23.184 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006804.D

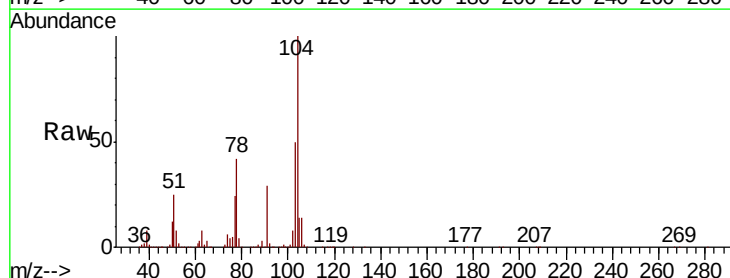
Acq: 02 Aug 2018 12:56

Tgt Ion:104 Resp: 1038342

Ion Ratio Lower Upper

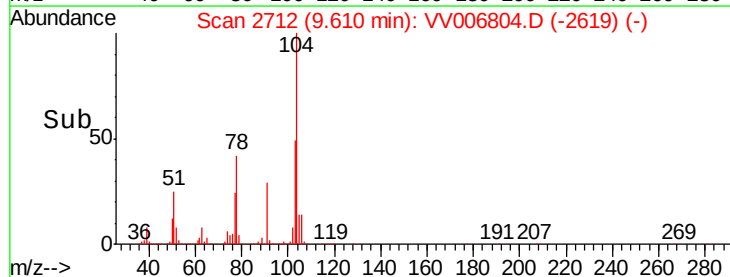
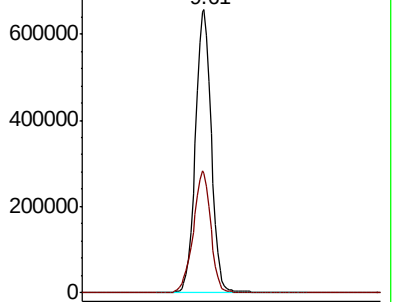
104 100

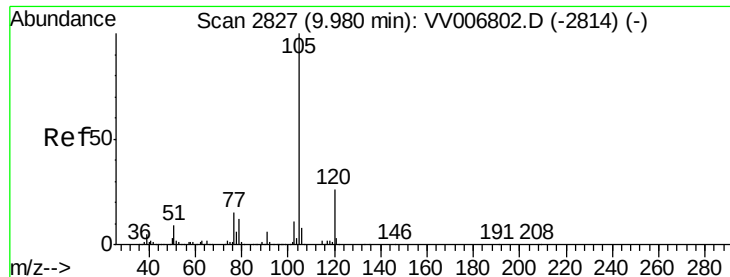
78 42.3 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): VV006804.D (-2619) (-)

Ion 78.10 (77.80 to 78.80): VV006804.D (-2619) (-)





#56

Isopropylbenzene

Concen: 22.207 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :

MSVOA_V

ClientSampled :

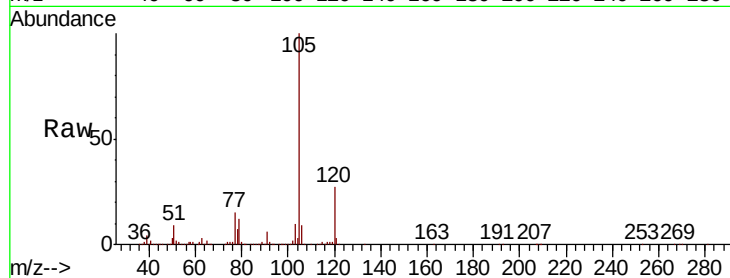
Tot Ion:105 Resp: 1610363

Ion Ratio Lower Upper

105 100

120 26.9 21.1 31.7

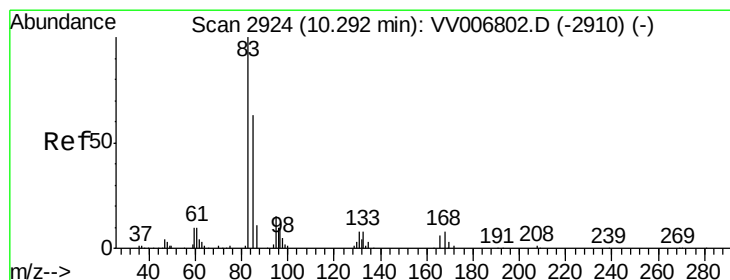
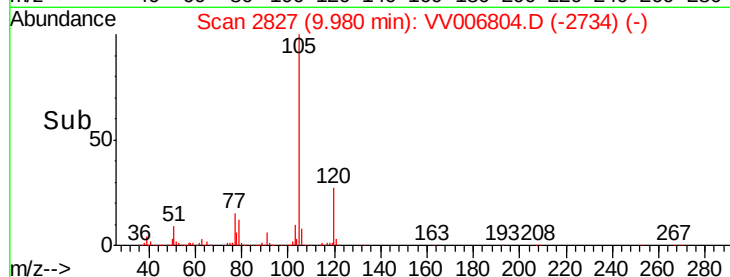
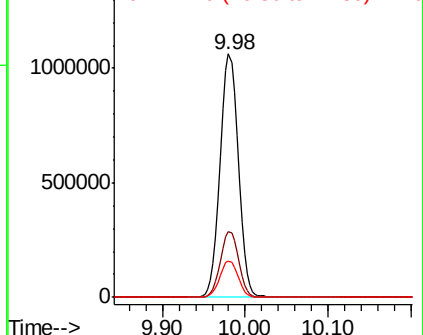
77 15.0 12.0 18.0



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: 19.866 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

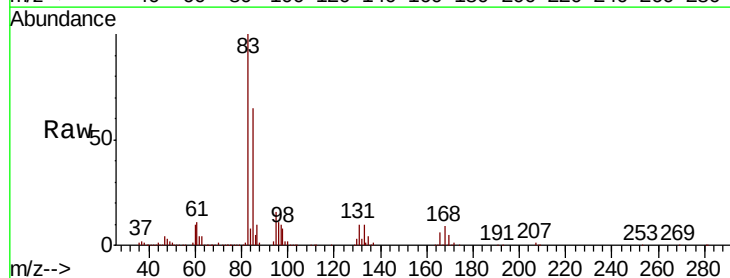
Tgt Ion: 83 Resp: 337501

Ion Ratio Lower Upper

83 100

85 65.3 44.1 81.9

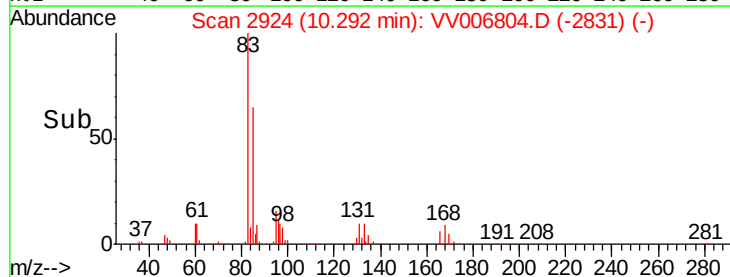
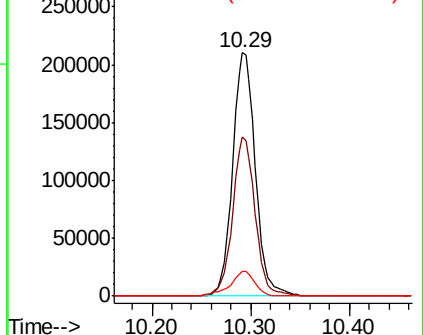
131 10.0 6.6 9.8#

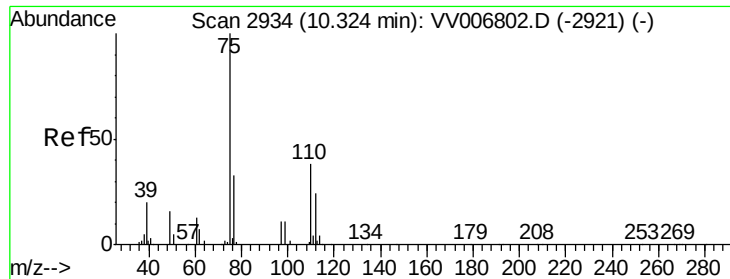


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.236 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :

MSVOA_V

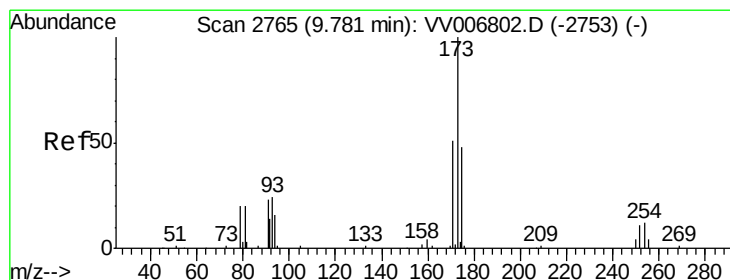
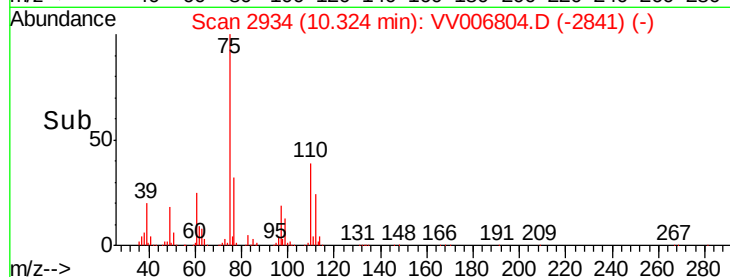
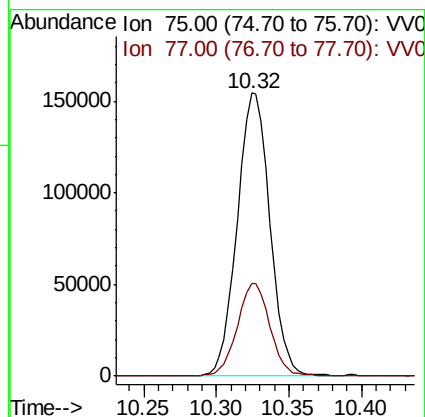
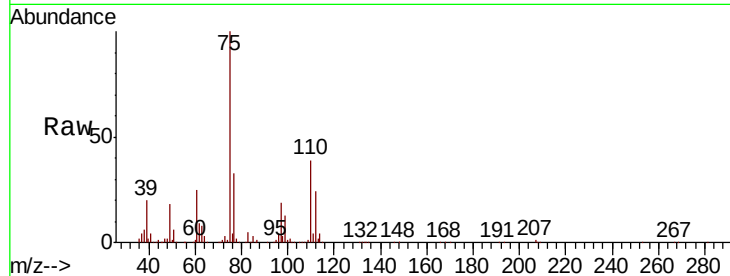
ClientSampleId :

Tot Ion: 75 Resp: 241596

Ion Ratio Lower Upper

75 100

77 31.8 26.8 40.2



#61

Bromoform

Concen: 19.933 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

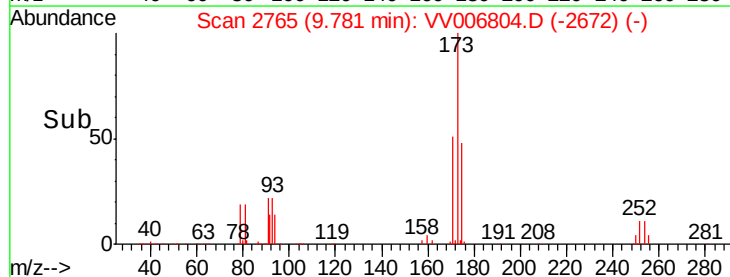
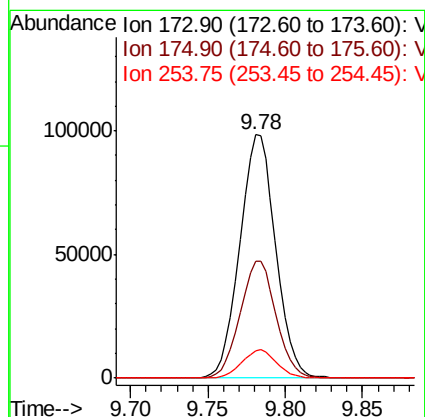
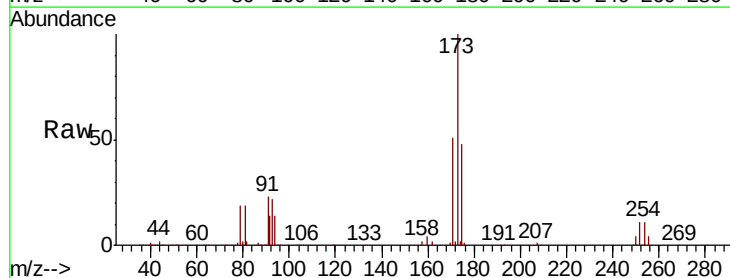
Tgt Ion: 173 Resp: 158550

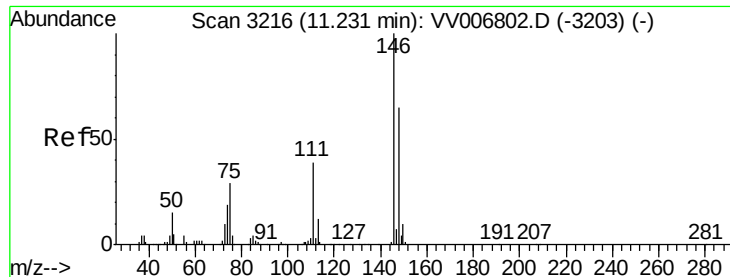
Ion Ratio Lower Upper

173 100

175 48.2 39.3 58.9

254 11.3 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 19.807 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

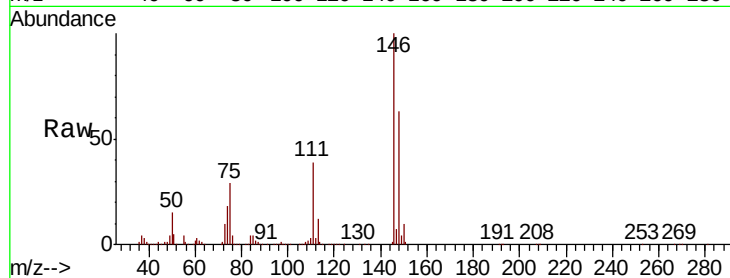
Tot Ion:146 Resp: 731236

Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.3	50.7
148	63.4	45.1	83.9

146 100

111 39.0 27.3 50.7

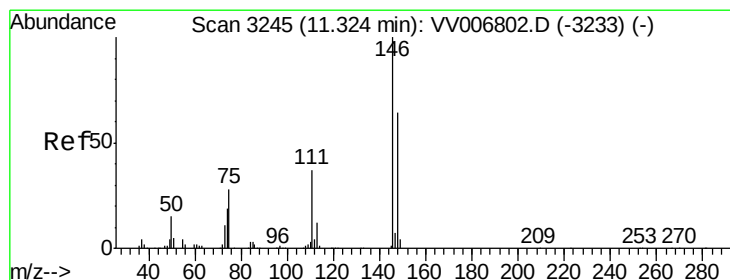
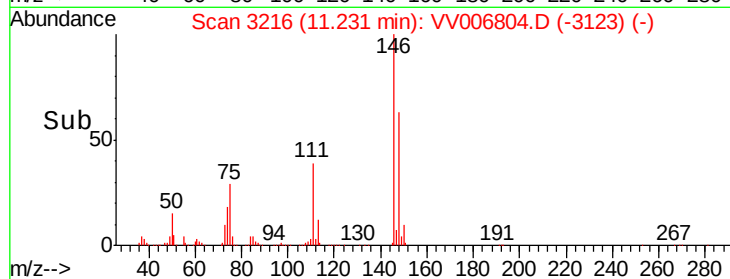
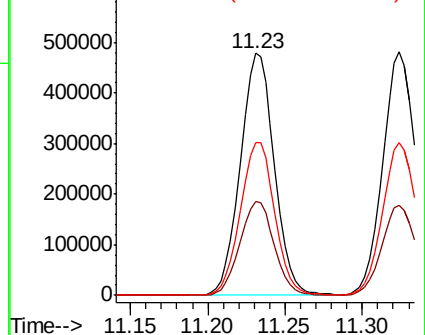
148 63.4 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 20.045 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

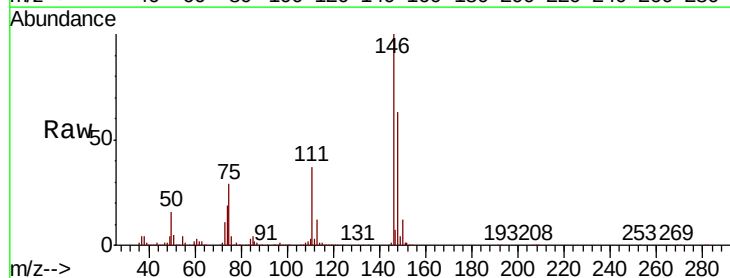
Tgt Ion:146 Resp: 732076

Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.2	48.8
148	62.7	44.9	83.3

146 100

111 36.9 26.2 48.8

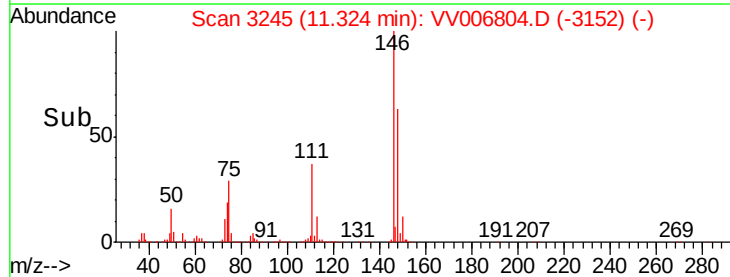
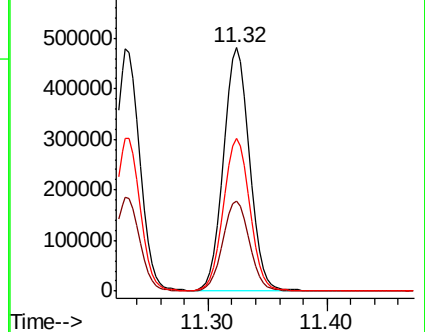
148 62.7 44.9 83.3

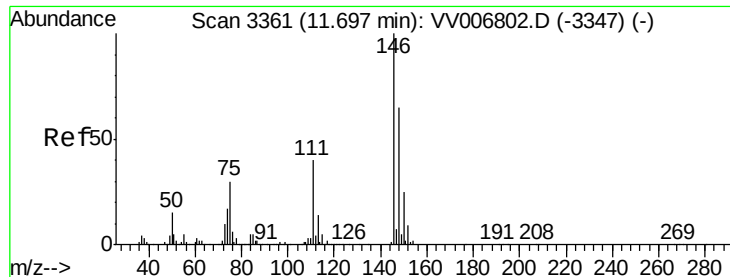


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

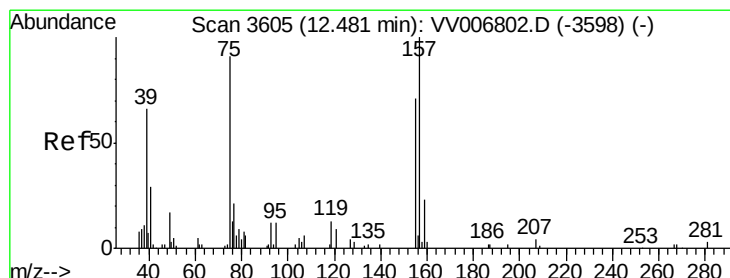
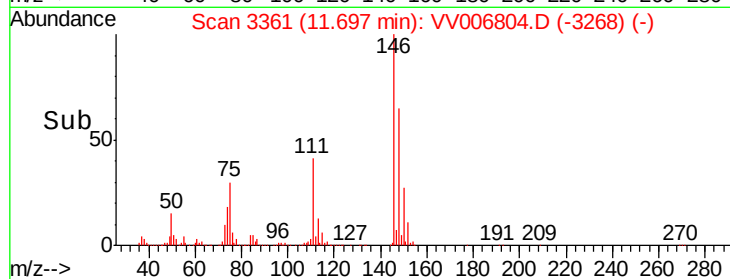
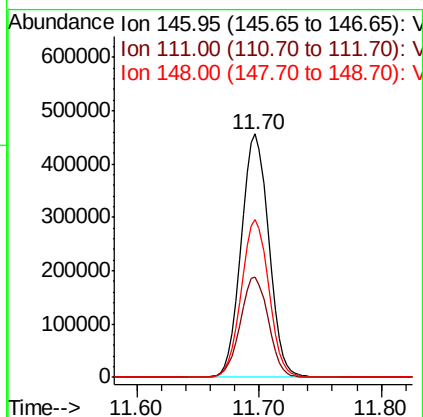
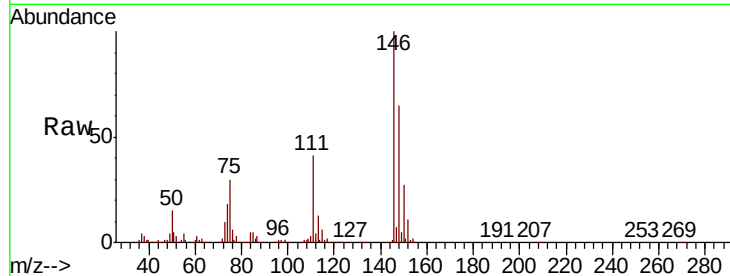




#65
 1,2-Dichlorobenzene
 Concen: 19.610 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

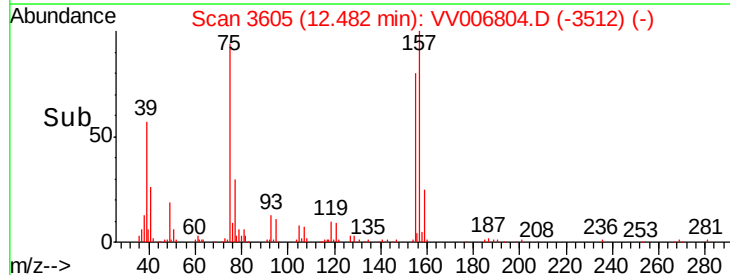
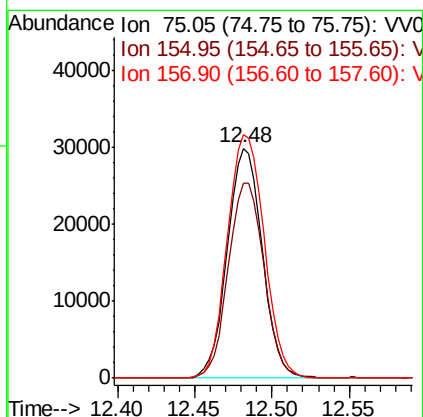
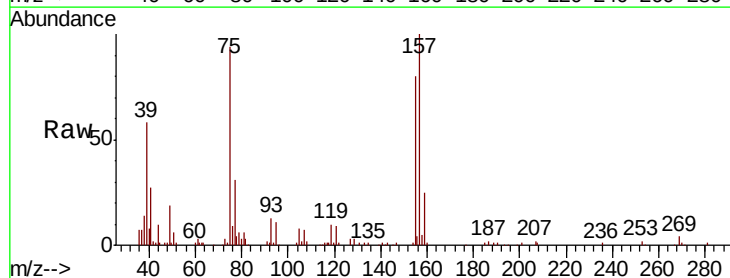
Instrument :
 MSVOA_V
 ClientSampleId :

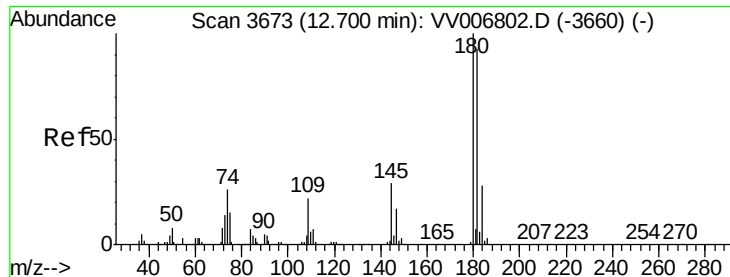
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	31.8	47.6
148	64.8	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.582 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	61.8	92.8
157	105.9	86.6	129.8

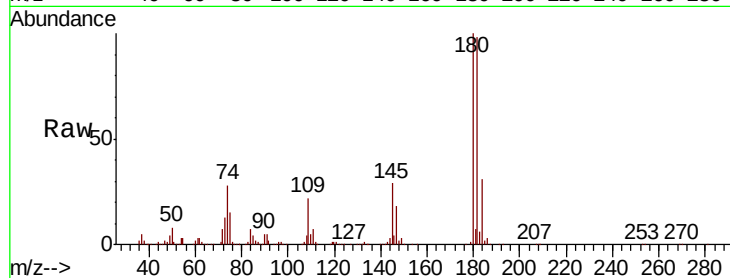




#67
 1,3,5-Trichlorobenzene
 Concen: 19.911 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.6	112.0
184	30.8	22.7	34.1
145	28.5	22.9	34.3



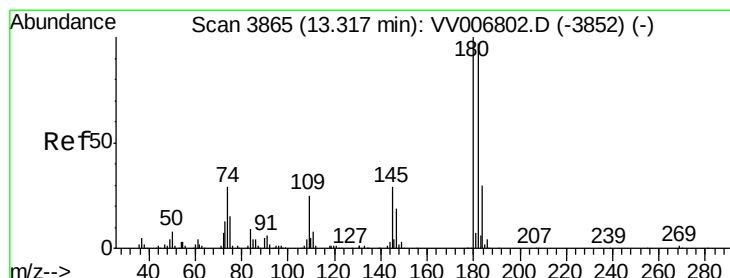
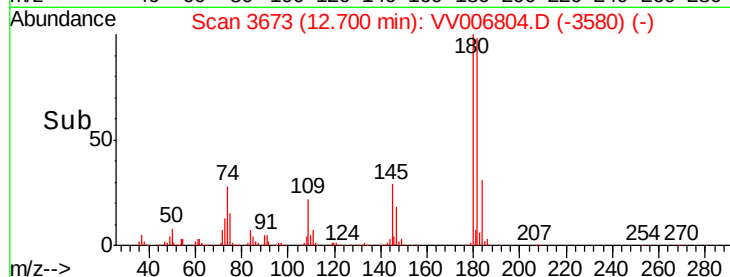
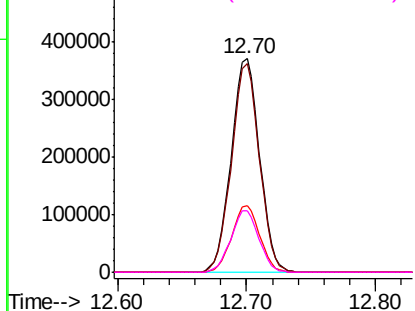
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

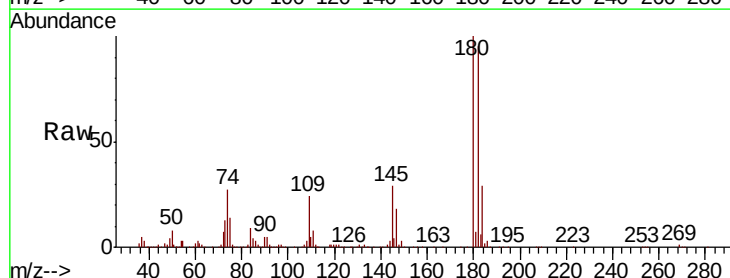
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.076 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV006804.D
 Acq: 02 Aug 2018 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.6
145	28.7	23.4	35.2

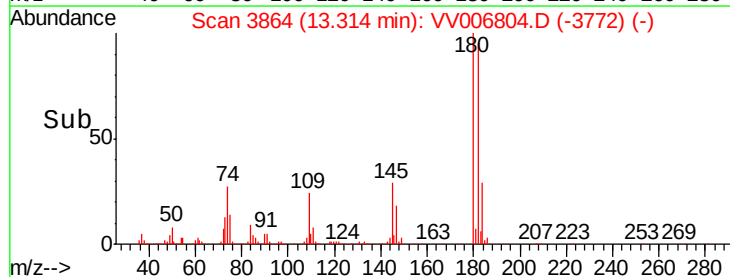
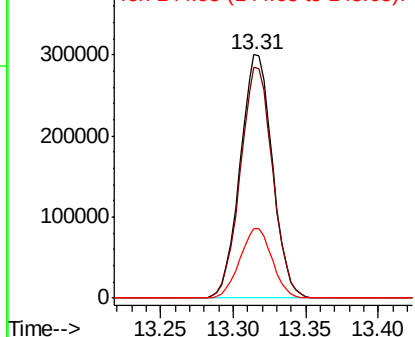


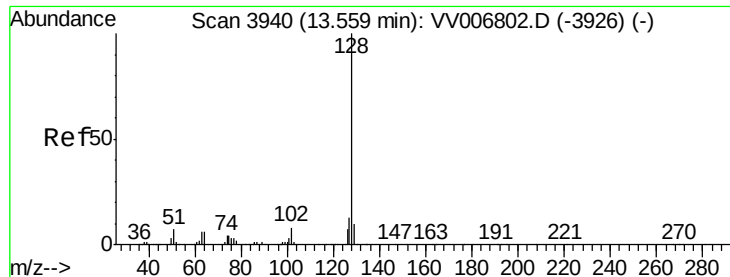
Abundance

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: 21.599 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

Instrument :

MSVOA_V

ClientSampleId :

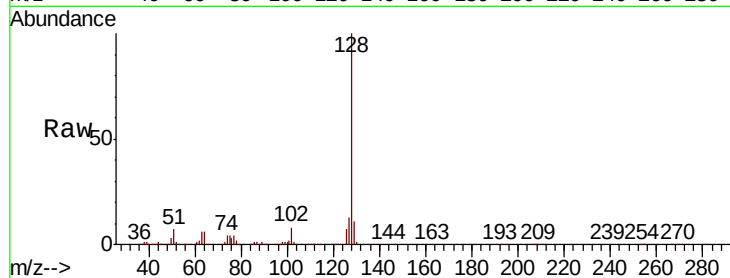
Tot Ion:128 Resp: 830504

Ion Ratio Lower Upper

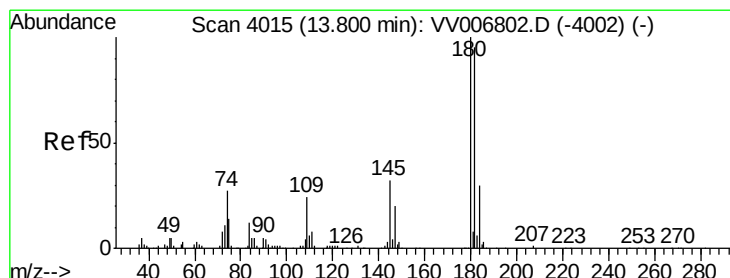
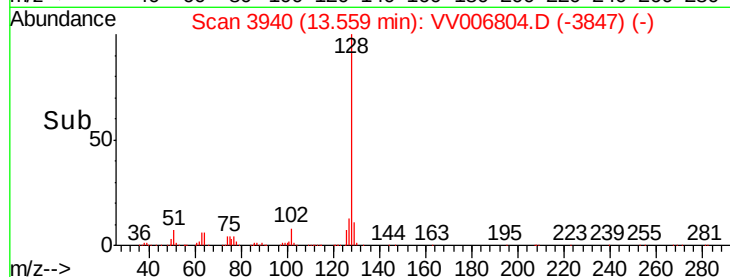
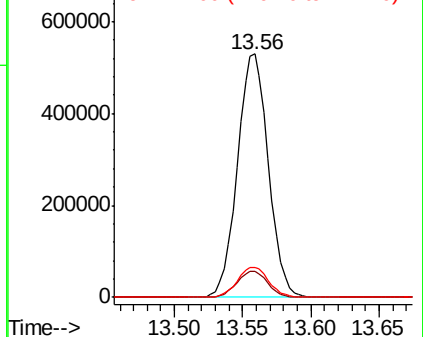
128 100

129 10.8 8.2 12.4

127 12.6 10.7 16.1



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: 20.763 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006804.D

Acq: 02 Aug 2018 12:56

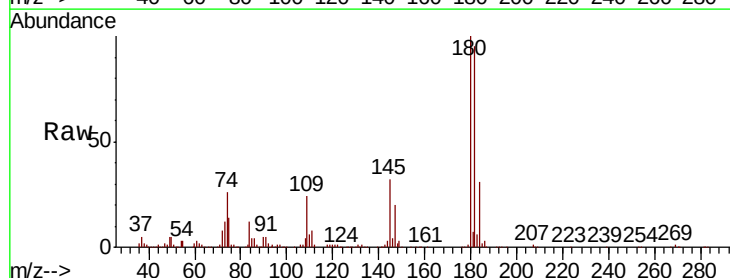
Tgt Ion:180 Resp: 442097

Ion Ratio Lower Upper

180 100

182 94.6 78.0 117.0

145 30.8 25.4 38.0



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

