

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
 Data File : VV006901.D
 Acq On : 07 Aug 2018 16:48
 Operator : SY/MD
 Sample : VSTD00166
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 06:41:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 06:39:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	173263	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	159185	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11357	0.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	10018	0.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	23721	1.08	ug/L	0.00
20) 2-Butanone-d5	3.98	46	34777	11.58	ug/L	0.00
24) Chloroform-d	4.40	84	23237	1.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	12468	1.15	ug/L	0.00
32) Benzene-d6	5.11	84	39421	0.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	14688	1.04	ug/L	0.00
41) Toluene-d8	7.37	98	32204	0.86	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4744	0.95	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	16260	7.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	11446	1.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11264	0.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15246	1.089	ug/L 96
3) Chloromethane	1.25	50	20614	1.022	ug/L 99
5) Vinyl chloride	1.32	62	17290	1.090	ug/L 93
6) Bromomethane	1.54	94	4159	1.055	ug/L 90
8) Chloroethane	1.60	64	11682	1.116	ug/L 96
9) Trichlorofluoromethane	1.77	101	21815	1.132	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13000	1.080	ug/L 98
12) 1,1-Dichloroethene	2.14	96	12538	1.124	ug/L 97
13) Acetone	2.21	43	23080	11.031	ug/L 94
14) Carbon disulfide	2.32	76	37401	1.111	ug/L 98
15) Methyl Acetate	2.47	43	7070	1.137	ug/L 98
16) Methylene chloride	2.54	84	17917	1.328	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	32370	1.076	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	13409	1.099	ug/L 96
19) 1,1-Dichloroethane	3.23	63	25333	1.103	ug/L 94
21) 2-Butanone	4.07	43	37602	11.476	ug/L 93
22) cis-1,2-Dichloroethene	3.97	96	12334	0.955	ug/L 86
23) Bromochloromethane	4.30	128	5273	0.940	ug/L 95
25) Chloroform	4.43	83	24688	1.099	ug/L 95
27) 1,2-Dichloroethane	5.19	62	16405	1.188	ug/L # 94
29) 1,1,1-Trichloroethane	4.66	97	19669	1.051	ug/L 99
30) Cyclohexane	4.73	56	18846	0.989	ug/L 99
31) Carbon tetrachloride	4.88	117	16953	1.095	ug/L 95
33) Benzene	5.15	78	51238	1.037	ug/L 100
34) Trichloroethene	5.96	95	12123	0.978	ug/L 95
35) Methylcyclohexane	6.18	83	16835	0.866	ug/L 93
37) 1,2-Dichloropropane	6.23	63	14504	1.114	ug/L 98
38) Bromodichloromethane	6.56	83	16447	1.102	ug/L 99
39) cis-1,3-Dichloropropene	7.08	75	15101	0.914	ug/L 89
40) 4-Methyl-2-pentanone	7.29	43	73741	10.076	ug/L 99

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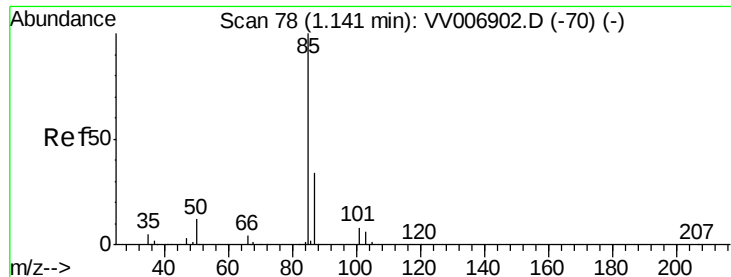
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 06:41:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	45063	0.934	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	12820	0.934	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	9227	0.997	ug/L	95
47) Tetrachloroethene	8.03	164	8925	0.917	ug/L	93
48) 2-Hexanone	8.20	43	46695	9.299	ug/L	96
49) Dibromochloromethane	8.30	129	9458	1.003	ug/L	88
50) 1,2-Dibromoethane	8.40	107	7097	0.909	ug/L #	95
51) Chlorobenzene	8.93	112	28703	0.941	ug/L	97
52) Ethylbenzene	9.06	91	43280	0.871	ug/L	99
53) m,p-xylene	9.19	106	14585	0.797	ug/L	99
54) o-xylene	9.59	106	14806	0.801	ug/L	96
55) Styrene	9.61	104	22112	0.755	ug/L	100
56) Isopropylbenzene	9.98	105	37624	0.801	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.30	83	12487	1.102	ug/L #	99
59) 1,2,3-Trichloropropane	10.32	75	7986	1.003	ug/L #	80
61) Bromoform	9.78	173	4799	1.062	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	18395	0.907	ug/L	94
63) 1,4-Dichlorobenzene	11.33	146	18656	0.929	ug/L	92
65) 1,2-Dichlorobenzene	11.70	146	18993	0.951	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	1832	1.249	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	13598	0.875	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	8610	0.719	ug/L	96
69) Naphthalene	13.56	128	12994	0.636	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	9072	0.787	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 1.089 ug/L

RT: 1.14 min Scan# 78

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

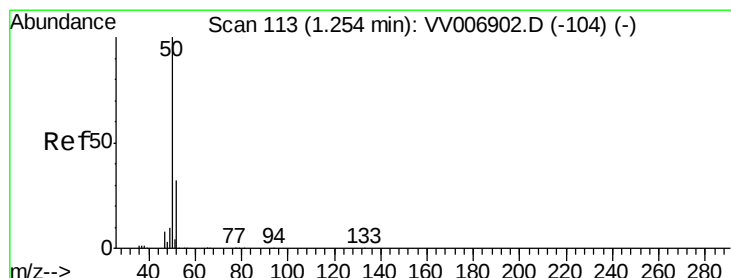
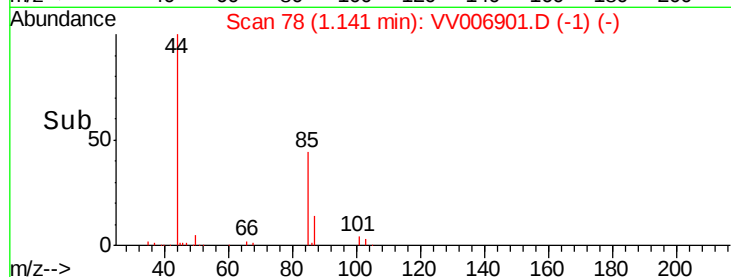
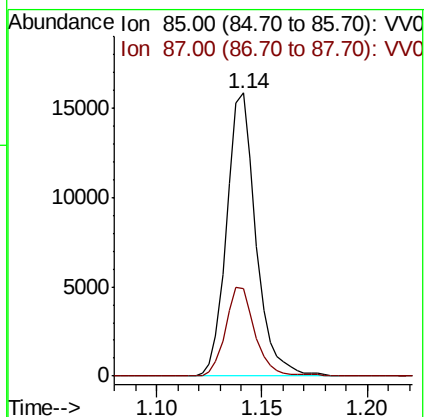
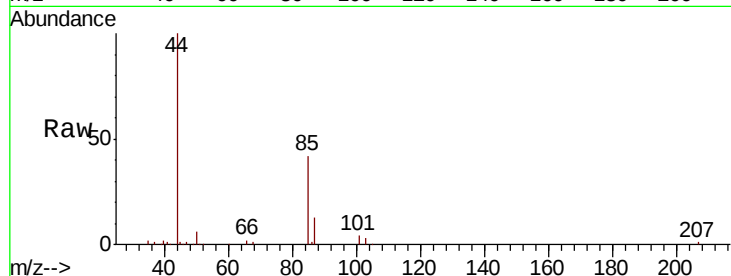
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 15246

Ion Ratio Lower Upper

85 100

87 31.3 26.8 40.2



#3

Chloromethane

Concen: 1.022 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006901.D

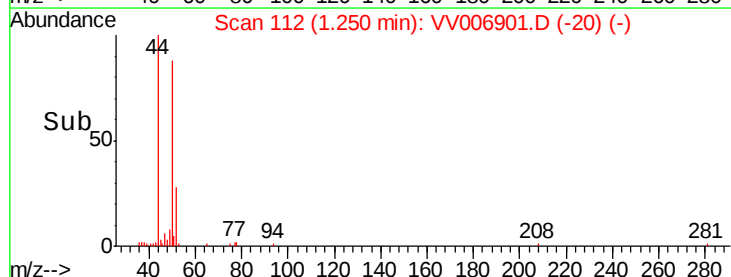
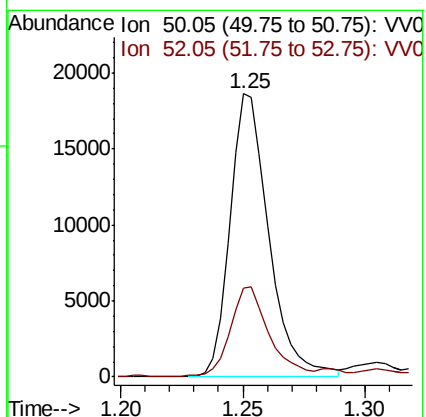
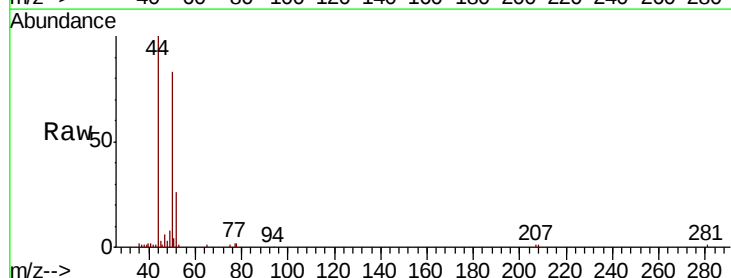
Acq: 07 Aug 2018 16:48

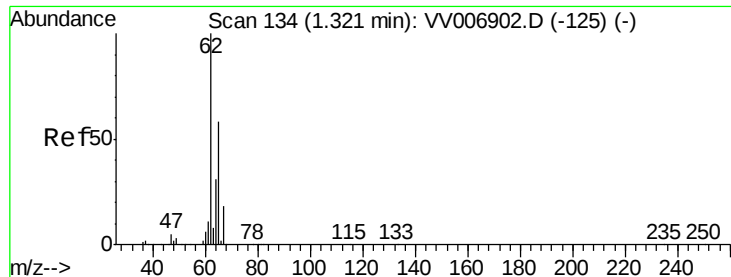
Tgt Ion: 50 Resp: 20614

Ion Ratio Lower Upper

50 100

52 31.4 22.3 41.3





#5

Vinyl chloride

Concen: 1.090 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

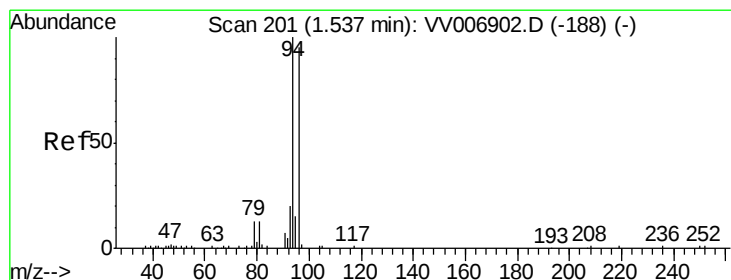
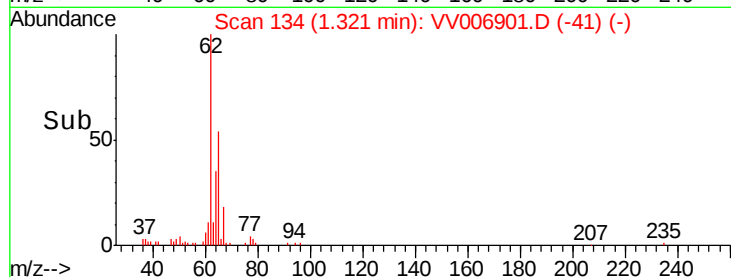
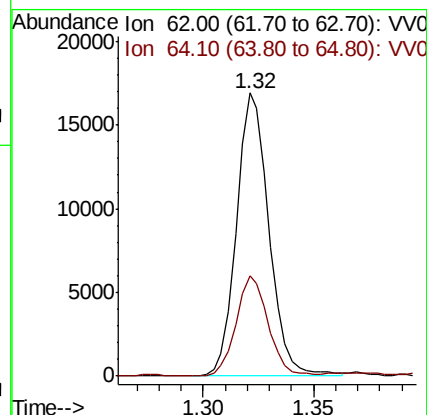
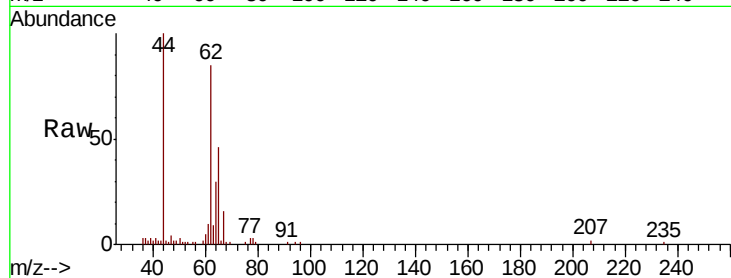
ClientSampleId :

Tot Ion: 62 Resp: 17290

Ion Ratio Lower Upper

62 100

64 35.3 22.1 41.1



#6

Bromomethane

Concen: 1.055 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006901.D

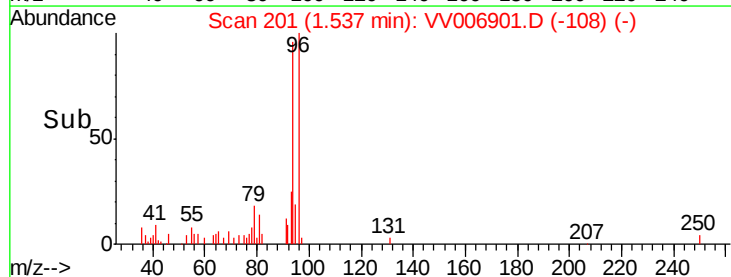
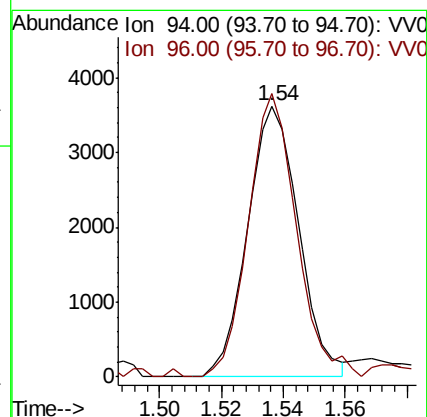
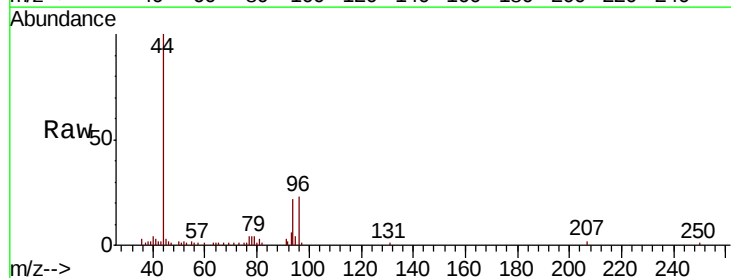
Acq: 07 Aug 2018 16:48

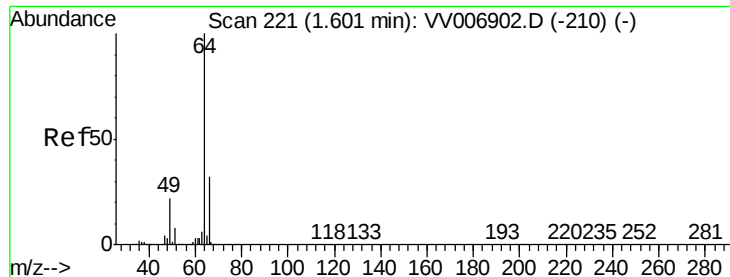
Tgt Ion: 94 Resp: 4159

Ion Ratio Lower Upper

94 100

96 104.6 66.2 123.0

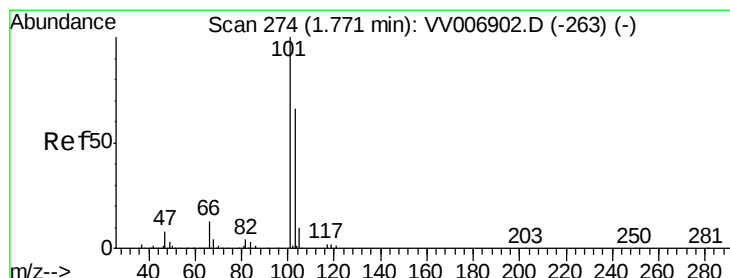
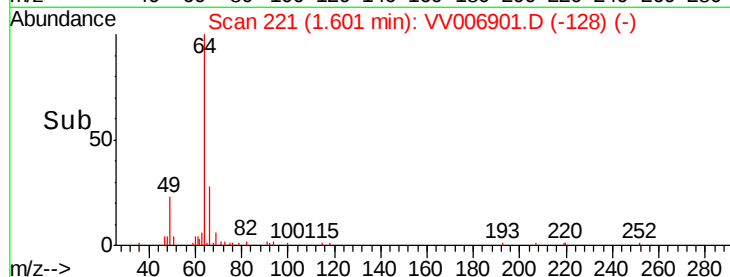
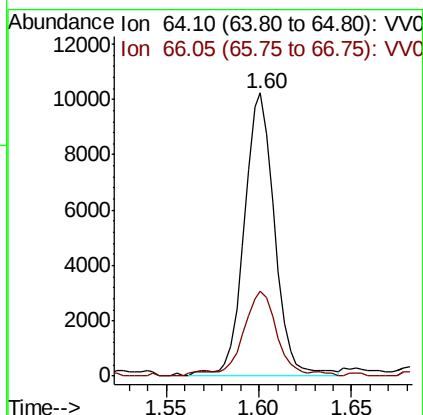
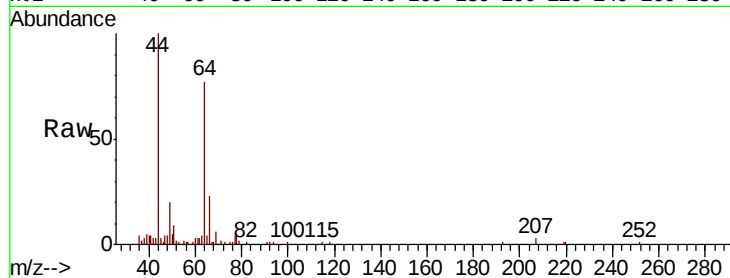




#8
Chloroethane
Concen: 1.116 ug/L
RT: 1.60 min Scan# 221
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

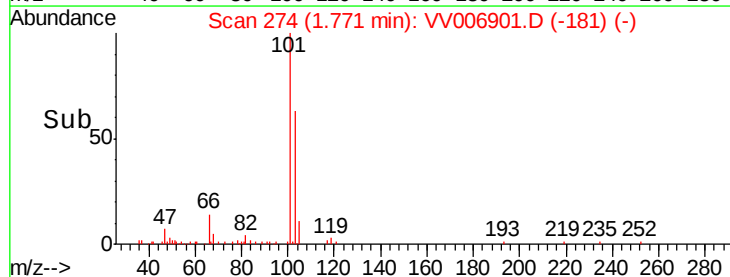
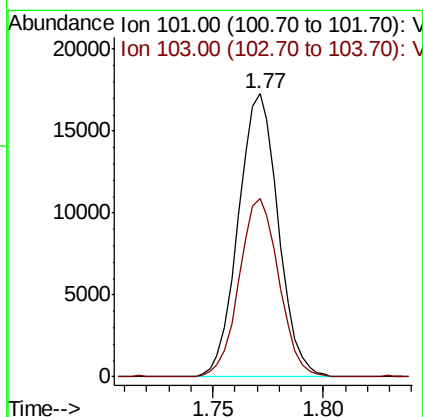
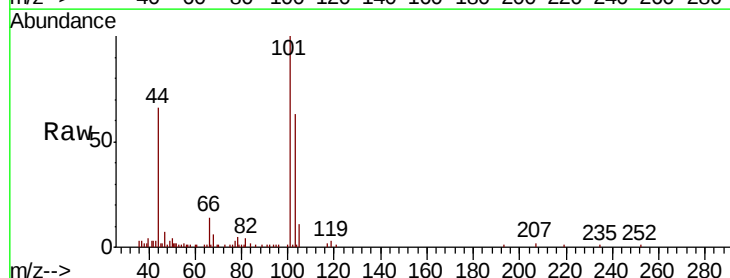
Instrument :
MSVOA_V
ClientSampleId :

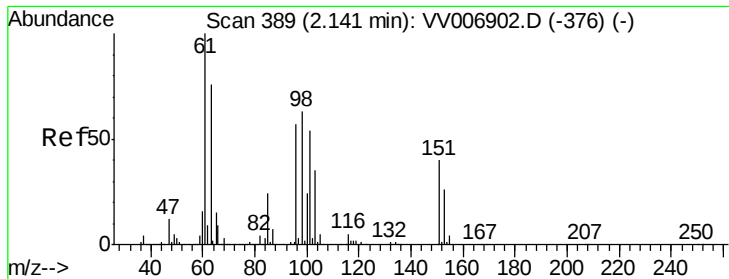
Tot Ion: 64 Resp: 11682
Ion Ratio Lower Upper
64 100
66 30.2 22.6 42.0



#9
Trichlorofluoromethane
Concen: 1.132 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Tgt Ion: 101 Resp: 21815
Ion Ratio Lower Upper
101 100
103 62.7 52.3 78.5





#10

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

Concen: 1.080 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

ClientSampled :

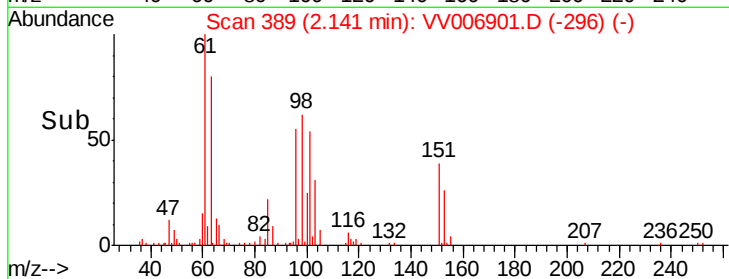
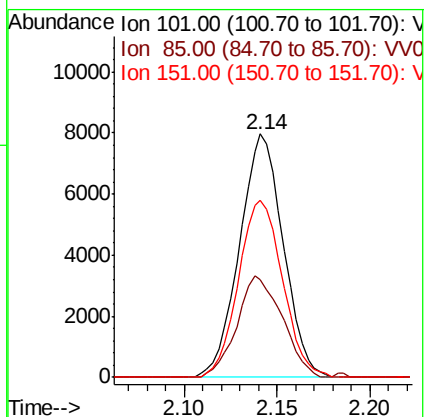
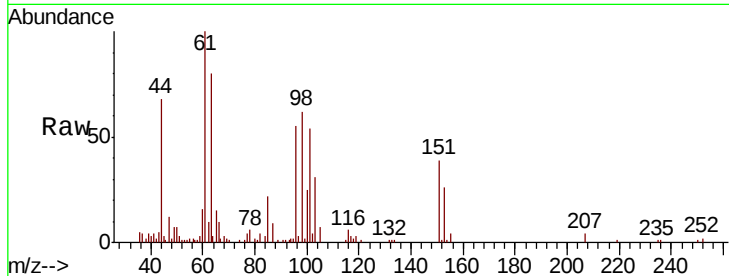
Tot Ion:101 Resp: 13000

Ion Ratio Lower Upper

101 100

85 43.0 36.2 54.4

151 73.5 59.8 89.8



#12

1,1-Dichloroethene

Concen: 1.124 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

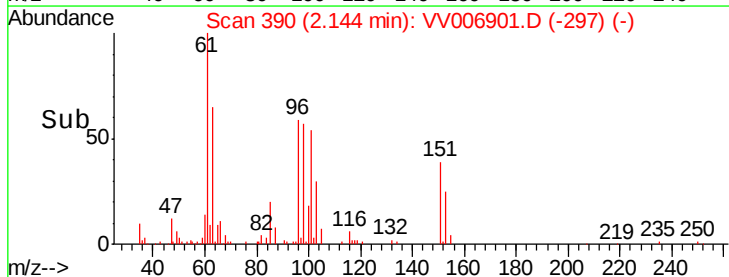
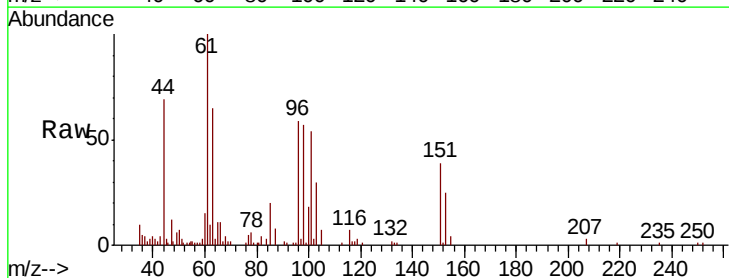
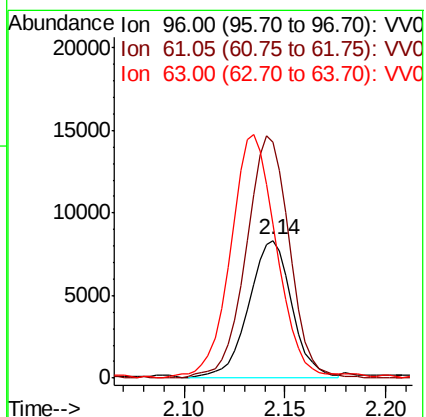
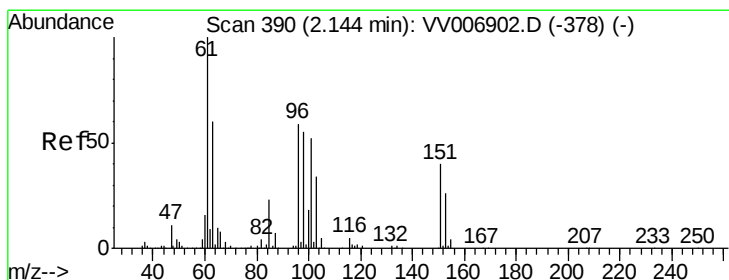
Tgt Ion: 96 Resp: 12538

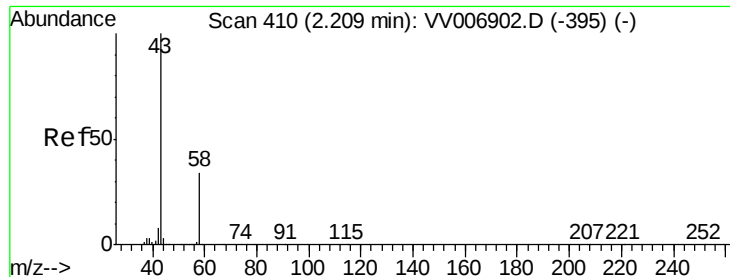
Ion Ratio Lower Upper

96 100

61 170.7 119.0 221.0

63 111.7 73.6 136.6





#13

Acetone

Concen: 11.031 ug/L

RT: 2.21 min Scan# 412

Delta R.T. 0.01 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

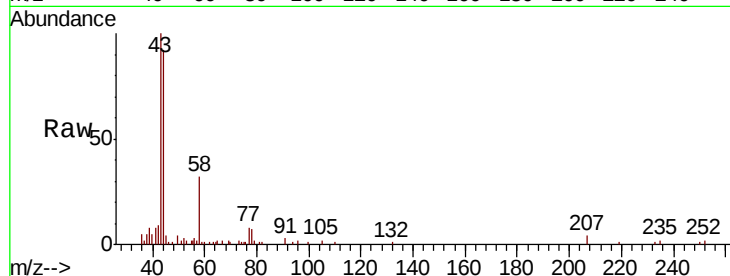
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 23080

Ion Ratio Lower Upper

43 100

58 37.7 0.0 68.0



Abundance Ion 43.05 (42.75 to 43.75): VV006902.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006902.D (-395) (-)

2.21

12000

10000

8000

6000

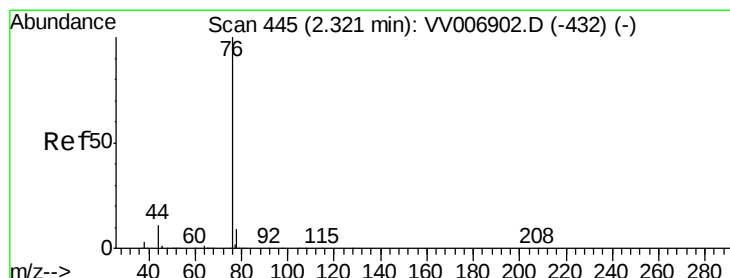
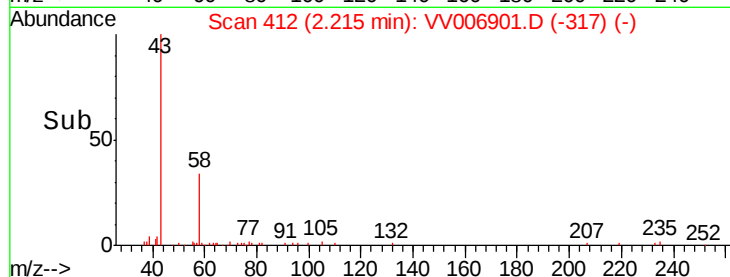
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 1.111 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006901.D

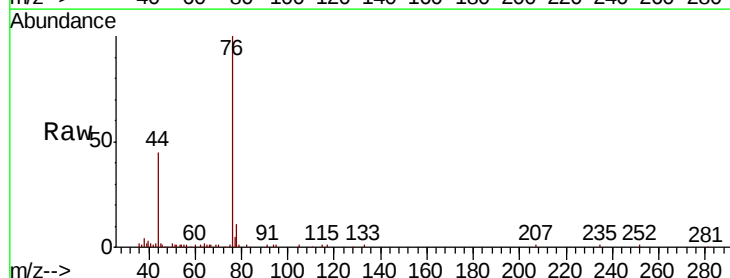
Acq: 07 Aug 2018 16:48

Tgt Ion: 76 Resp: 37401

Ion Ratio Lower Upper

76 100

78 10.6 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VV006902.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006902.D (-432) (-)

2.32

30000

25000

20000

15000

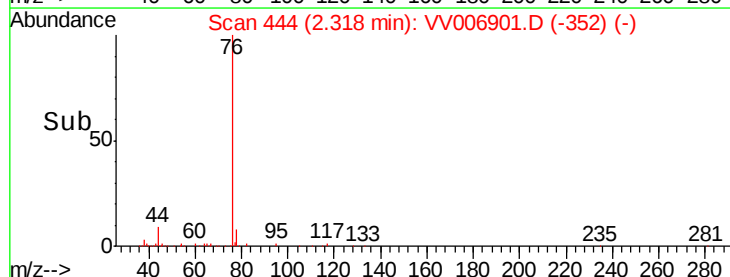
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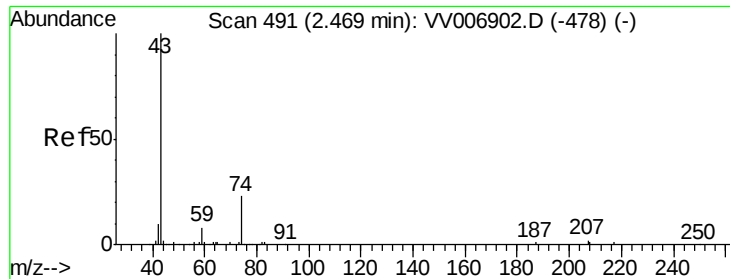
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Time-->

2.25 2.30 2.35 2.40

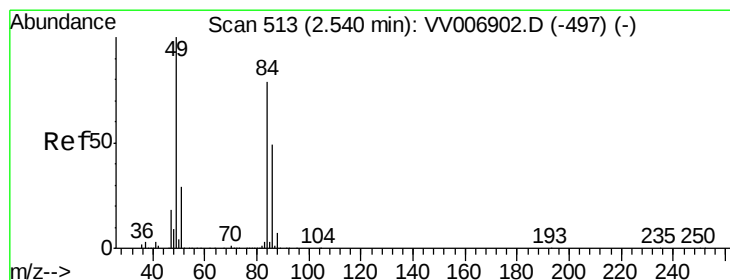
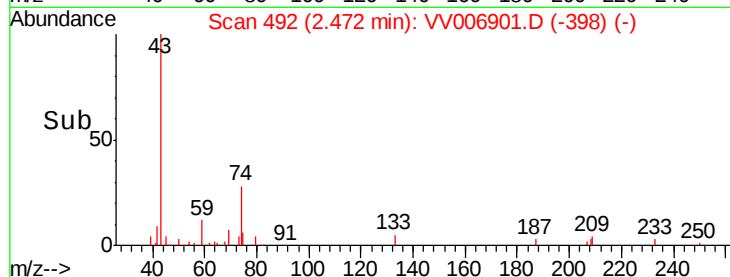
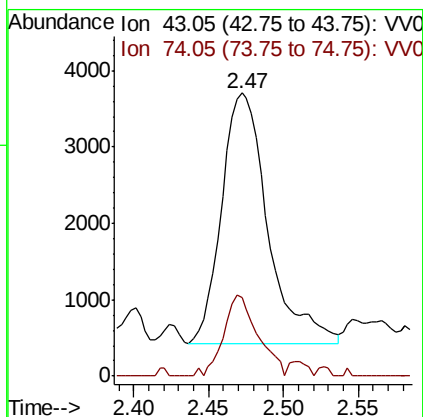
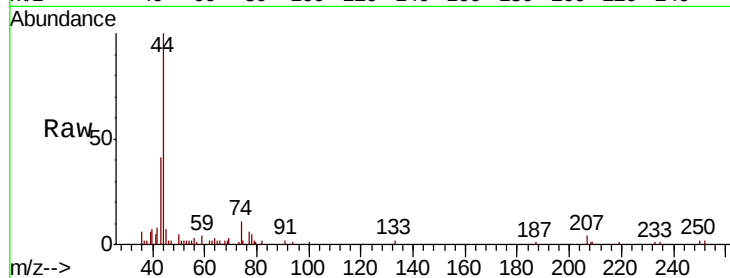




#15
Methyl Acetate
Concen: 1.137 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

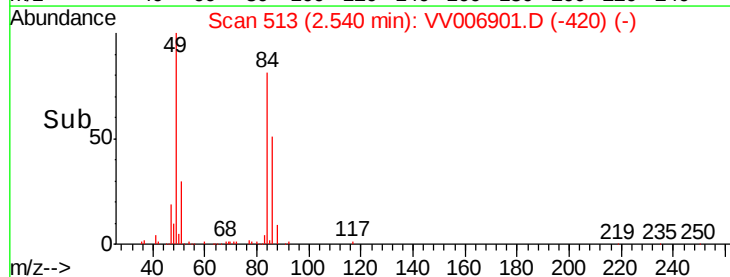
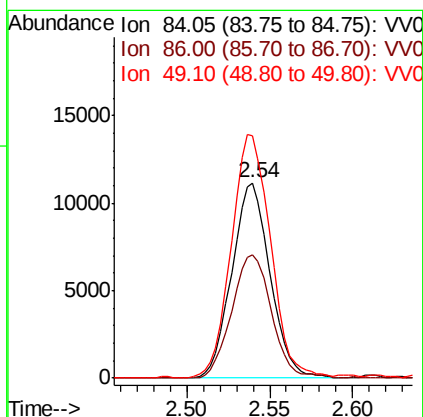
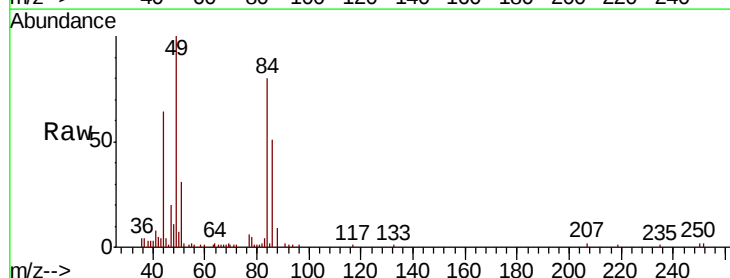
Instrument :
MSVOA_V
ClientSampleId :

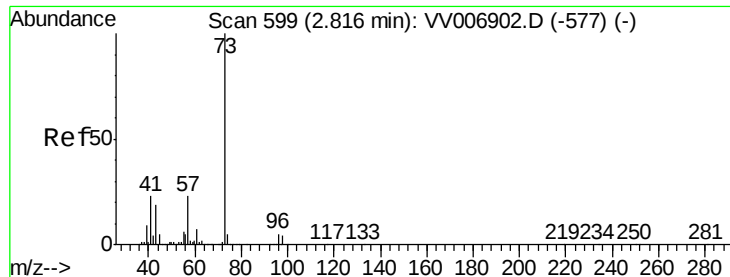
Tot Ion: 43 Resp: 7070
Ion Ratio Lower Upper
43 100
74 23.9 18.6 27.8



#16
Methylene chloride
Concen: 1.328 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Tgt Ion: 84 Resp: 17917
Ion Ratio Lower Upper
84 100
86 63.3 43.6 81.0
49 124.3 88.6 164.6

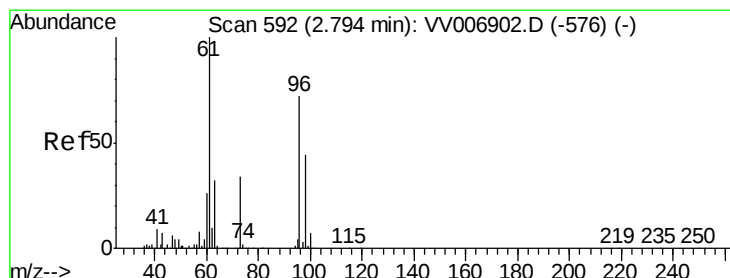
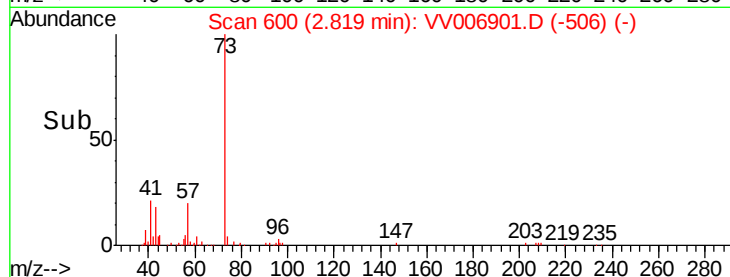
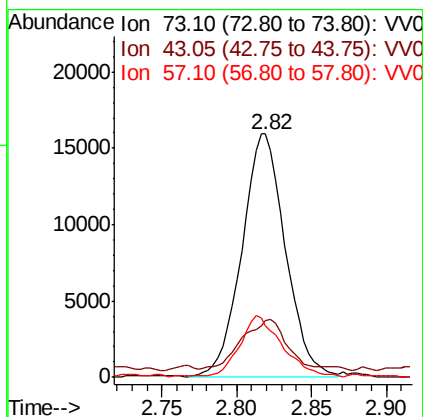
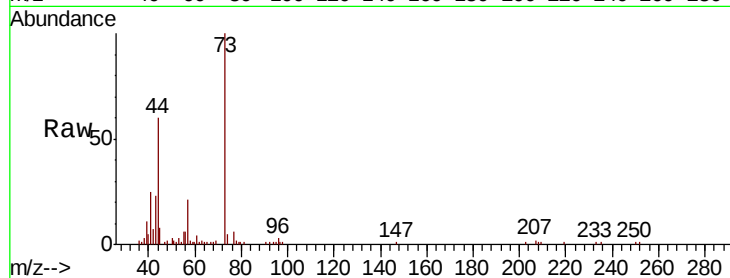




#17
Methvl tert-butvl Ether
Concen: 1.076 ug/L
RT: 2.82 min Scan# 600
Delta R.T. 0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

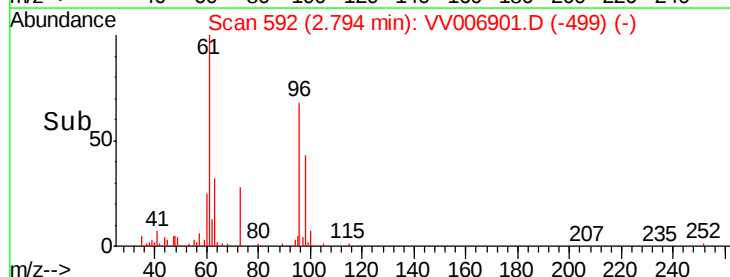
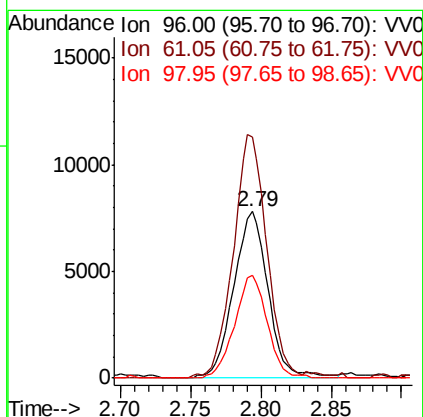
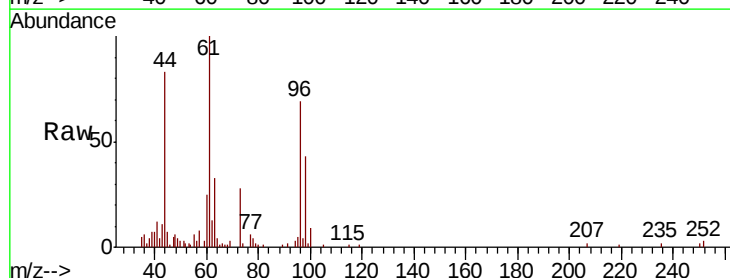
Instrument :
MSVOA_V
ClientSampleId :

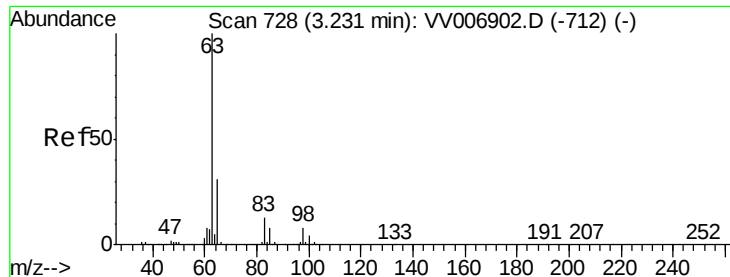
Tot Ion: 73 Resp: 32370
Ion Ratio Lower Upper
73 100
43 20.2 15.3 22.9
57 25.1 18.8 28.2



#18
trans-1,2-Dichloroethene
Concen: 1.099 ug/L
RT: 2.79 min Scan# 592
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Tgt Ion: 96 Resp: 13409
Ion Ratio Lower Upper
96 100
61 145.0 97.3 180.7
98 62.2 42.8 79.6

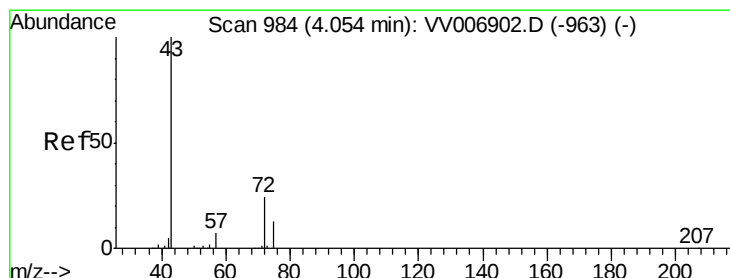
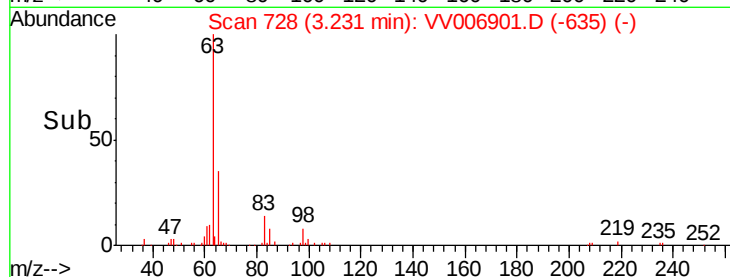
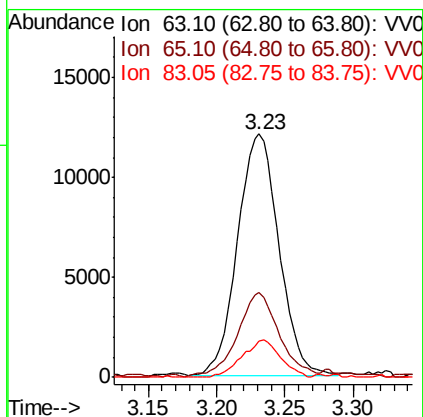
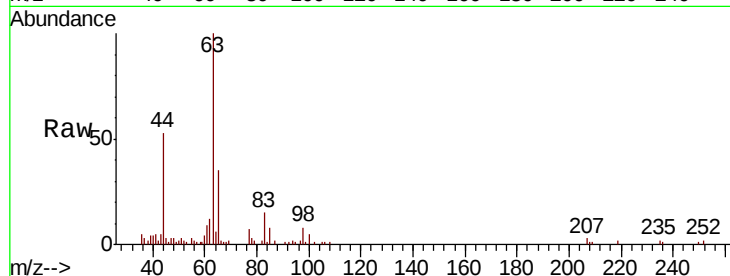




#19
 1,1-Dichloroethane
 Concen: 1.103 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

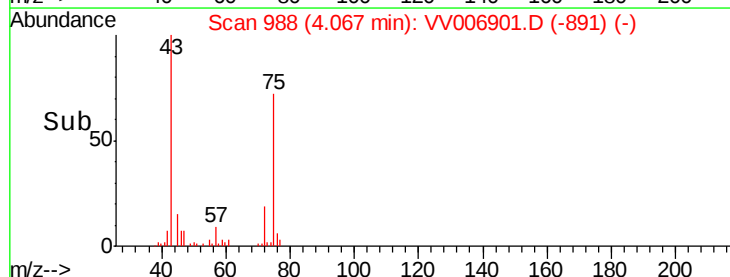
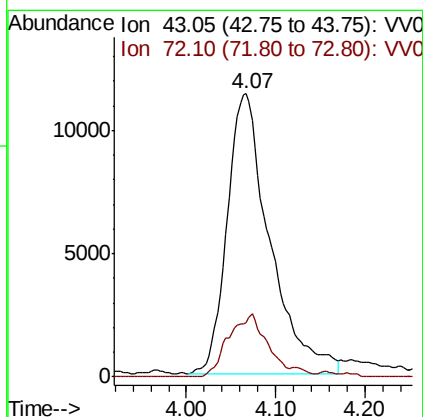
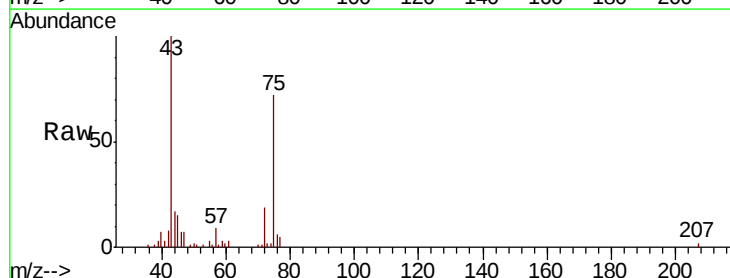
Instrument :
 MSVOA_V
 ClientSampleId :

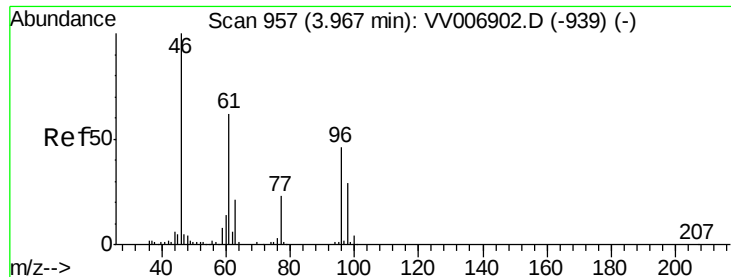
Tot Ion	63	Resp	25333
Ion Ratio	Lower	Upper	
63	100		
65	35.0	22.0	41.0
83	14.8	9.0	16.8



#21
 2-Butanone
 Concen: 11.476 ug/L
 RT: 4.07 min Scan# 988
 Delta R.T. 0.01 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Tgt Ion	43	Resp	37602
Ion Ratio	Lower	Upper	
43	100		
72	20.2	11.9	35.5



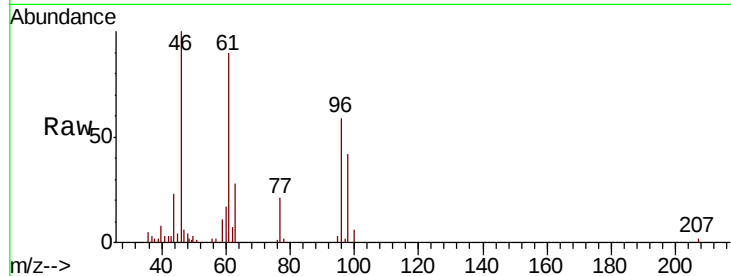


#22

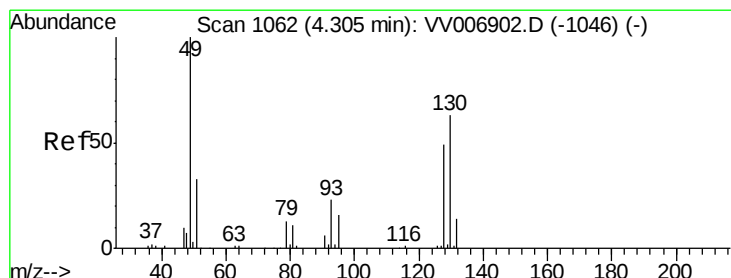
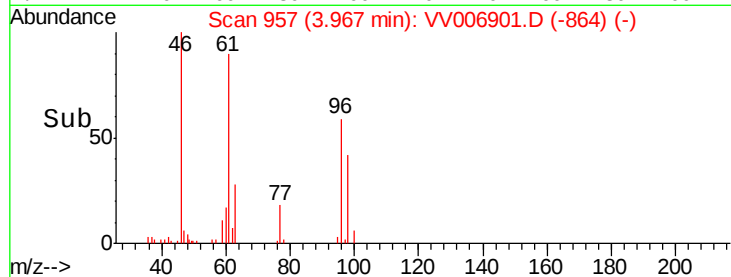
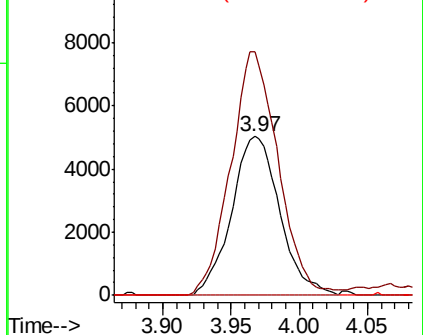
cis-1,2-Dichloroethene
Concen: 0.955 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 12334
Ion Ratio Lower Upper
96 100
61 153.3 95.5 177.4
68 0.0 0.0 0.0



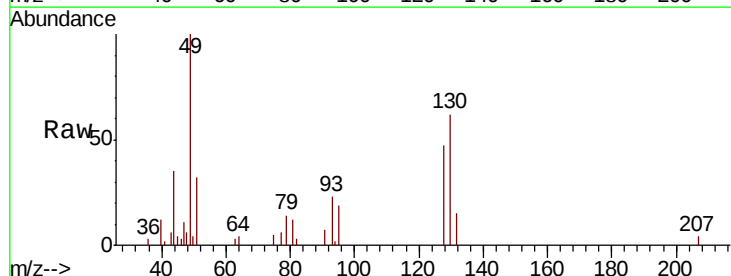
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



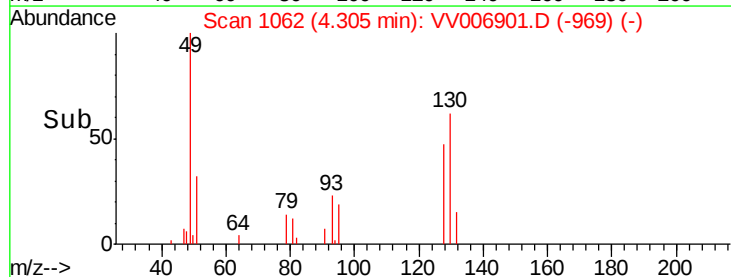
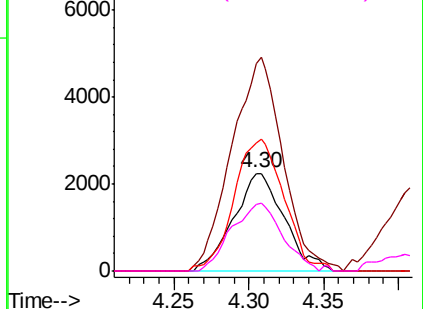
#23

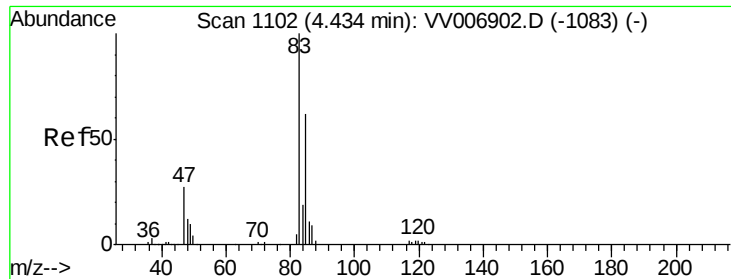
Bromochloromethane
Concen: 0.940 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Tgt Ion: 128 Resp: 5273
Ion Ratio Lower Upper
128 100
49 212.0 141.5 262.9
130 131.4 89.7 166.7
51 68.7 53.5 80.3



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

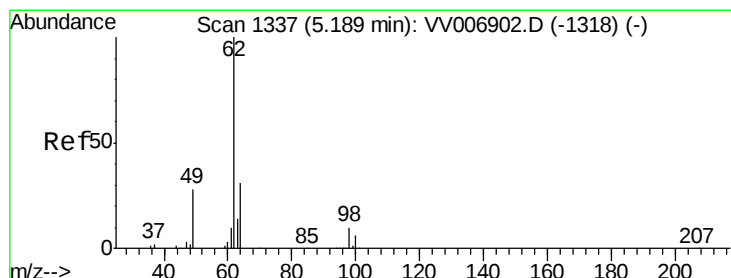
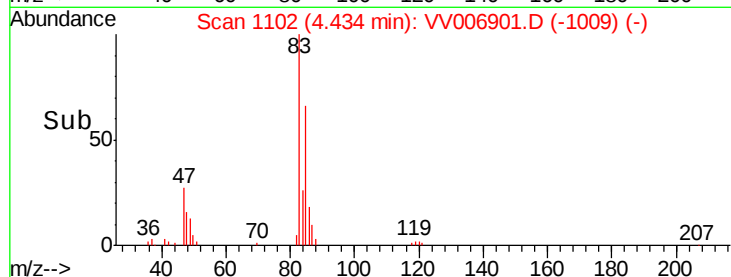
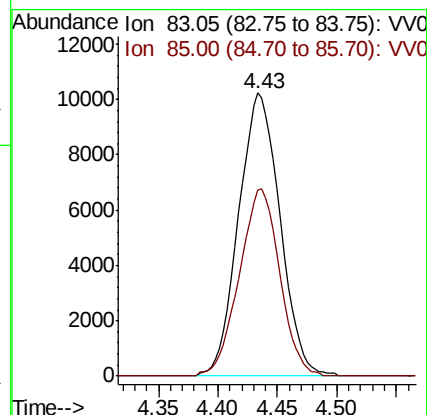
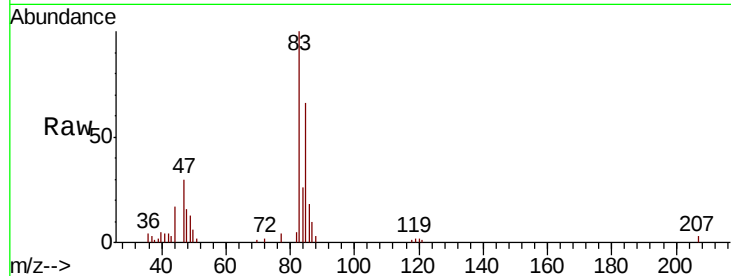




#25
Chloroform
Concen: 1.099 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

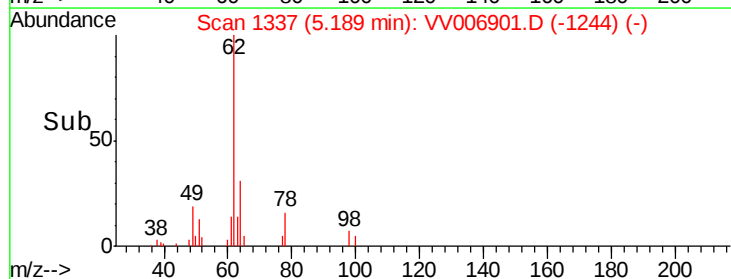
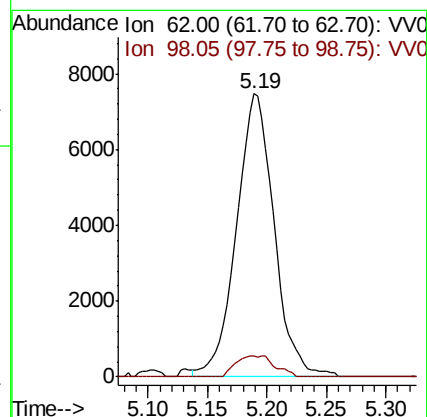
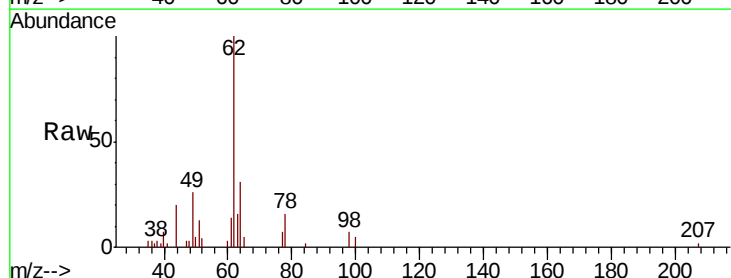
Instrument :
MSVOA_V
ClientSampleId :

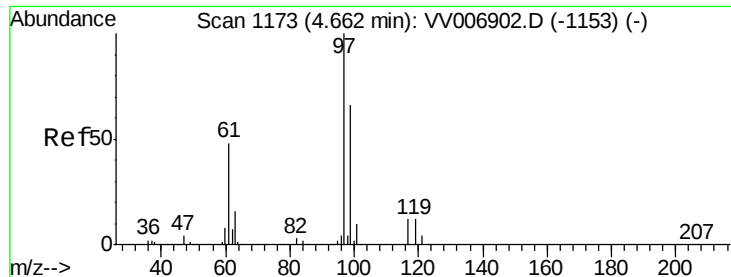
Tot Ion: 83 Resp: 24688
Ion Ratio Lower Upper
83 100
85 65.8 43.5 80.7



#27
1,2-Dichloroethane
Concen: 1.188 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Tgt Ion: 62 Resp: 16405
Ion Ratio Lower Upper
62 100
98 7.4 7.8 11.8#

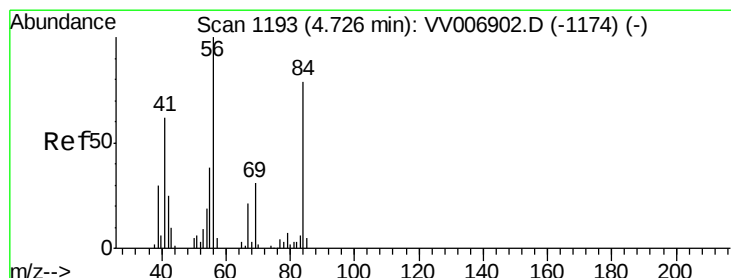
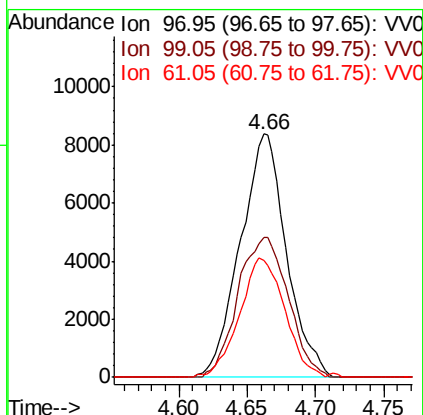
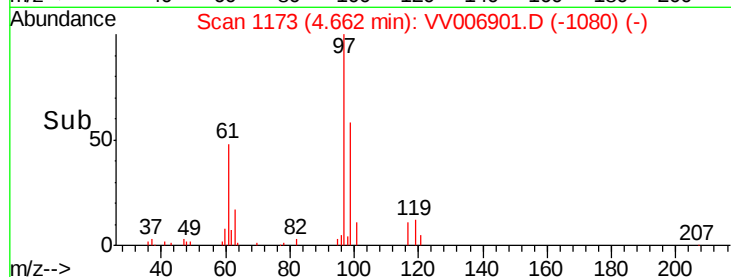
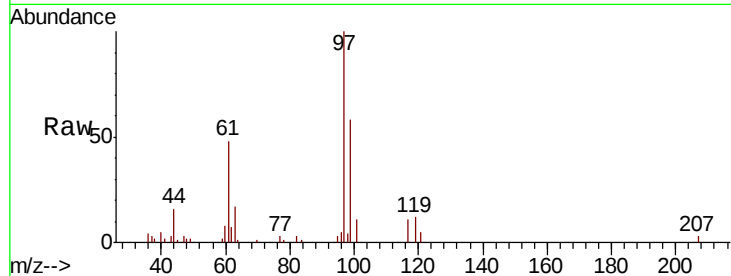




#29
 1,1,1-Trichloroethane
 Concen: 1.051 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

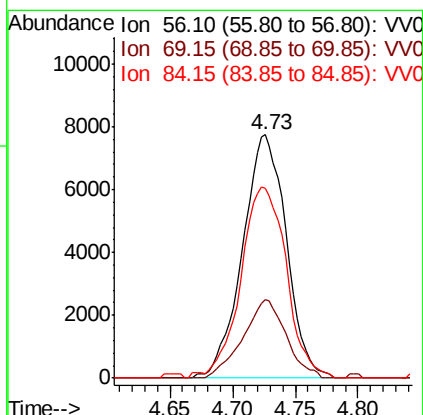
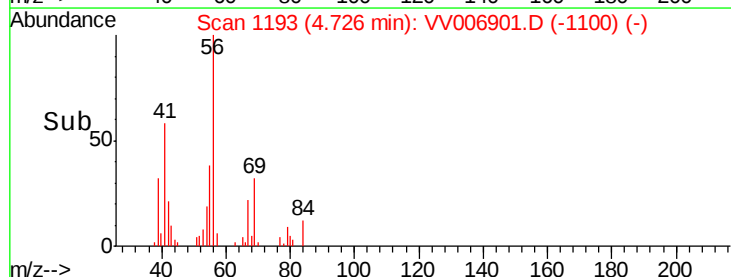
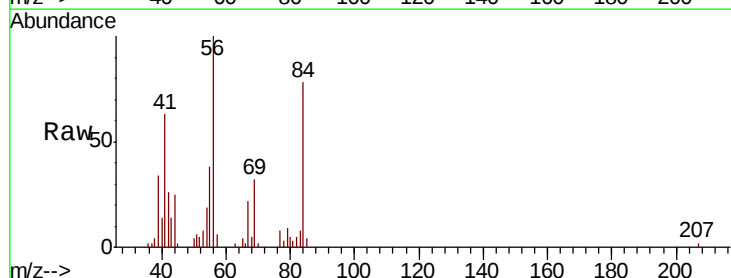
Instrument :
 MSVOA_V
 ClientSampled :

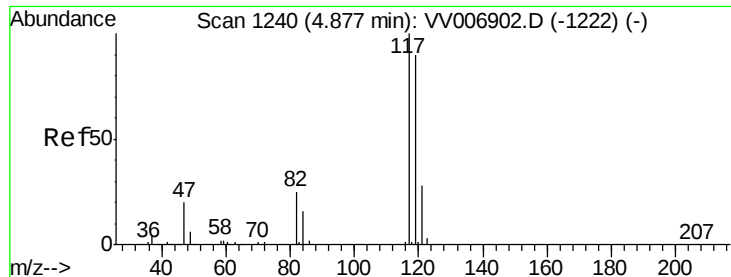
Tot Ion: 97 Resp: 19669
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.0 76.6
 61 48.1 38.6 57.8



#30
 Cyclohexane
 Concen: 0.989 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Tgt Ion: 56 Resp: 18846
 Ion Ratio Lower Upper
 56 100
 69 31.6 24.2 36.2
 84 82.0 65.5 98.3





#31

Carbon tetrachloride

Concen: 1.095 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

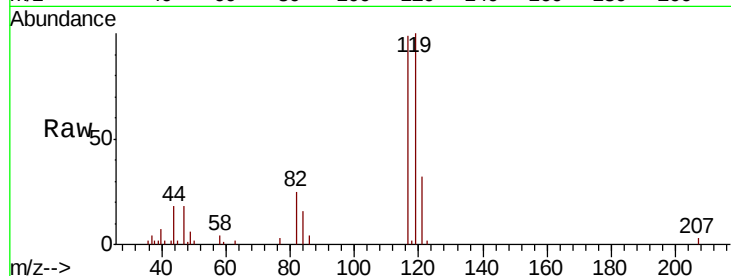
ClientSampleId :

Tot Ion:117 Resp: 16953

Ion Ratio Lower Upper

117 100

119 98.3 74.9 112.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

8000

6000

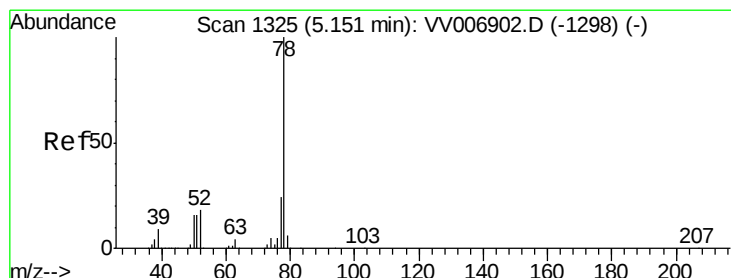
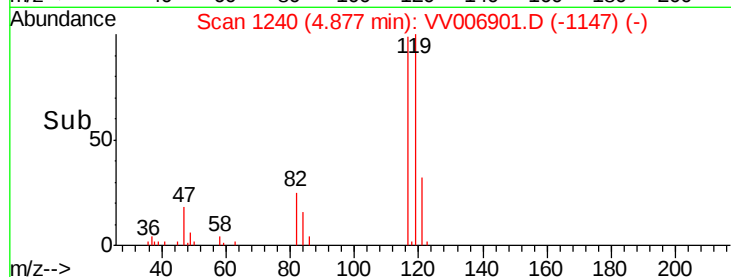
4000

2000

0

Time-->

4.80 4.85 4.90 4.95



#33

Benzene

Concen: 1.037 ug/L

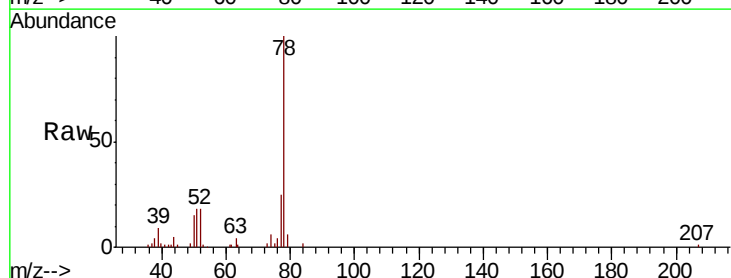
RT: 5.15 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Tgt Ion: 78 Resp: 51238



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

25000

20000

15000

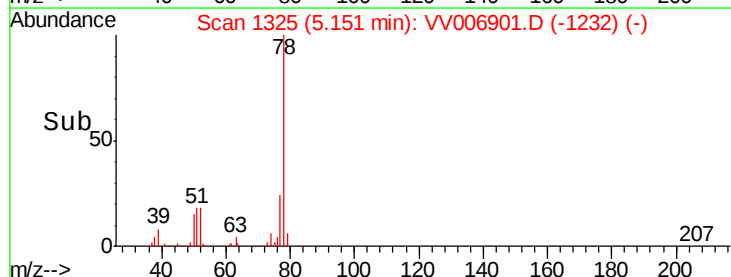
10000

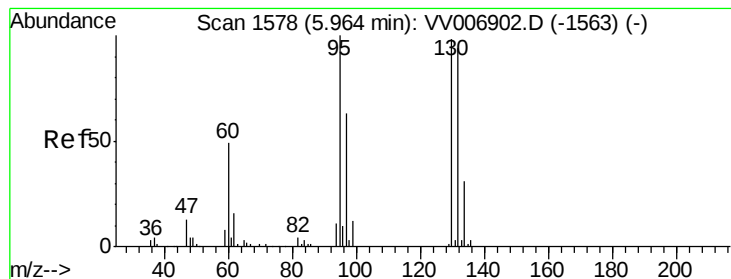
5000

0

Time-->

5.10 5.20





#34

Trichloroethene

Concen: 0.978 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 12123

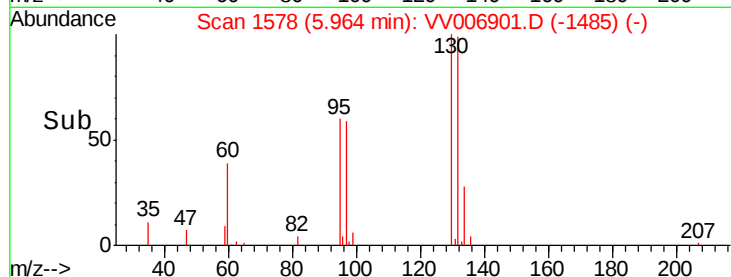
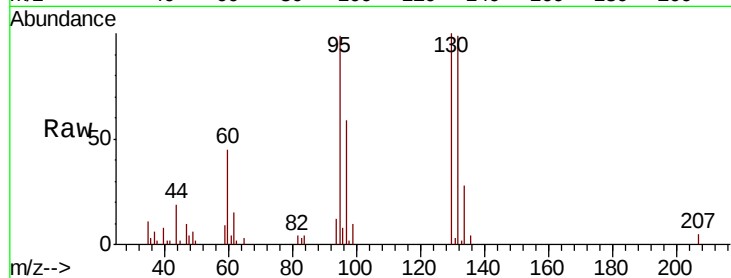
Ion Ratio Lower Upper

95 100

97 59.5 44.4 82.4

132 100.0 65.6 121.8

130 100.7 68.8 127.8



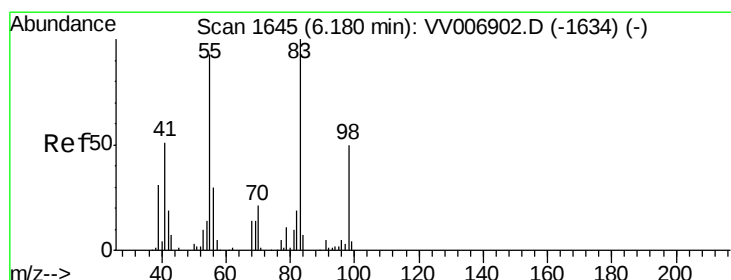
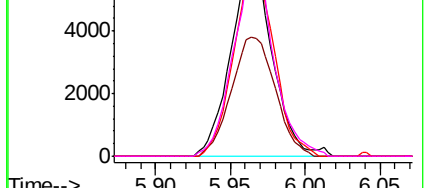
Abundance Ion 95.00 (94.70 to 95.70): VV006901.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006901.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006901.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006901.D (-1485) (-)

Time-->



#35

Methylcyclohexane

Concen: 0.866 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

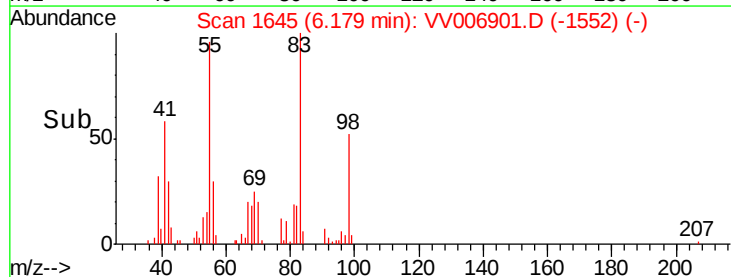
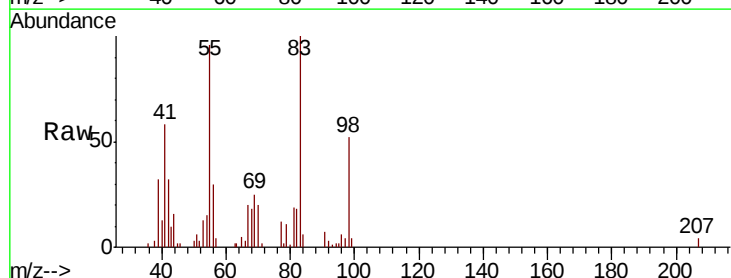
Tgt Ion: 83 Resp: 16835

Ion Ratio Lower Upper

83 100

55 94.8 69.8 104.8

98 48.5 36.4 54.6

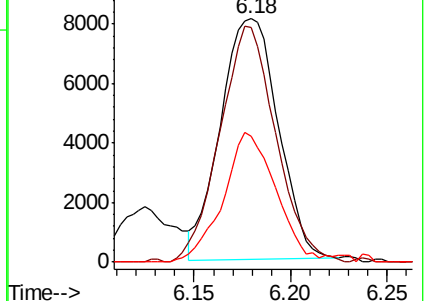


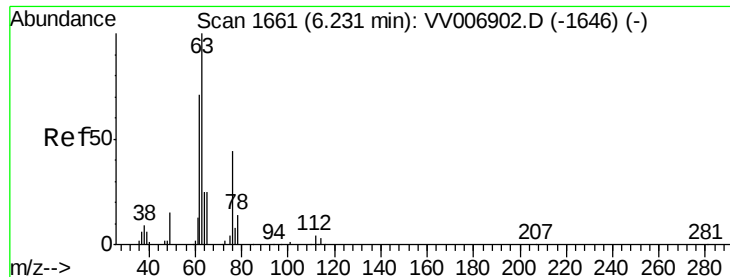
Abundance Ion 83.15 (82.85 to 83.85): VV006901.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006901.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006901.D (-1552) (-)

Time-->

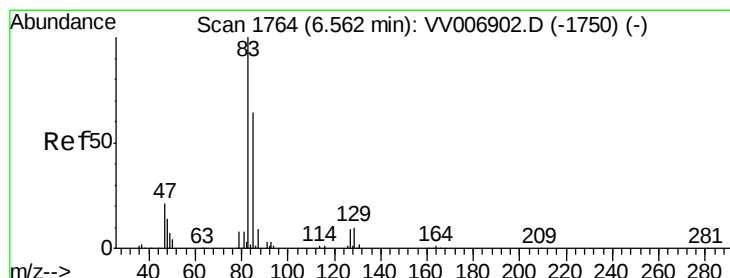
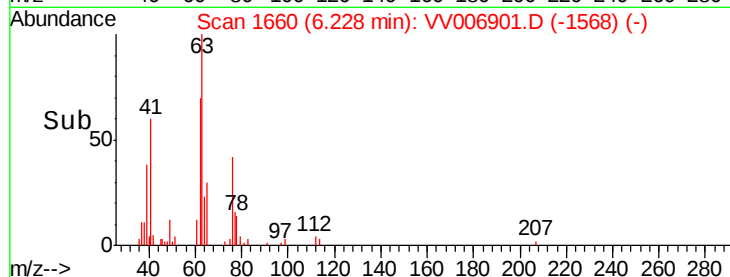
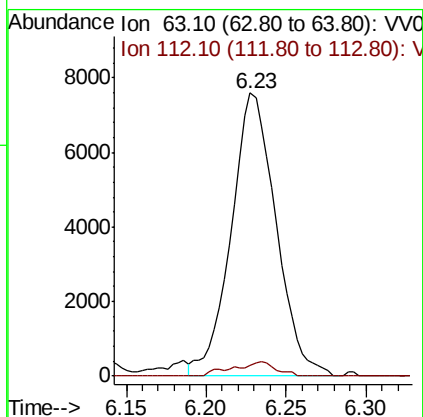
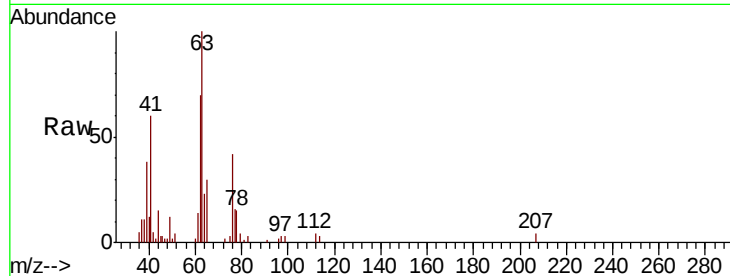




#37
 1,2-Dichloropropane
 Concen: 1.114 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

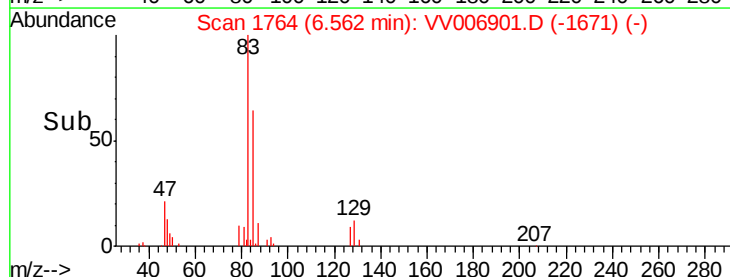
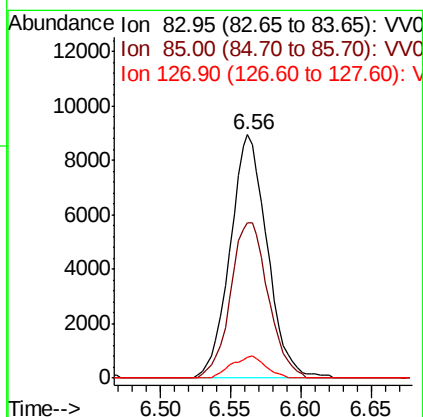
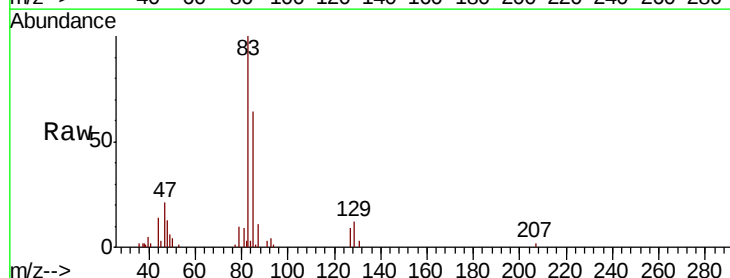
Instrument :
 MSVOA_V
 ClientSampleId :

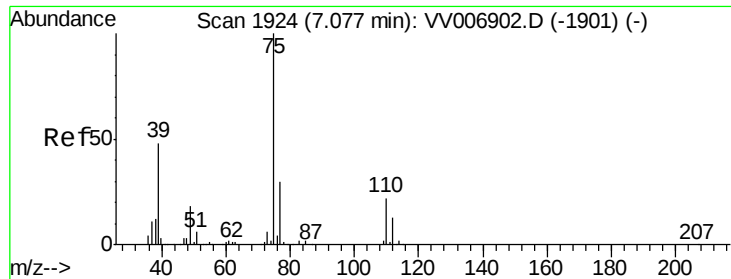
Tot Ion: 63 Resp: 14504
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.5 5.3



#38
 Bromodichloromethane
 Concen: 1.102 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Tgt Ion: 83 Resp: 16447
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.9 83.3
 127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 0.914 ug/L

RT: 7.08 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

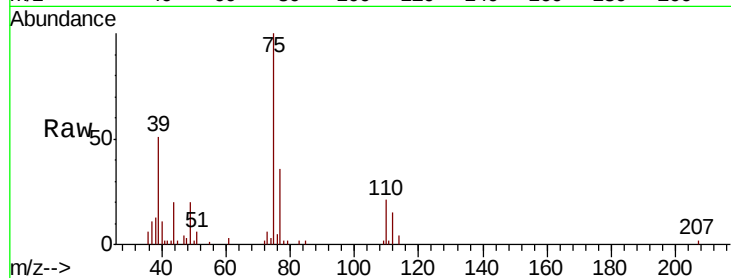
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 15101

Ion Ratio Lower Upper

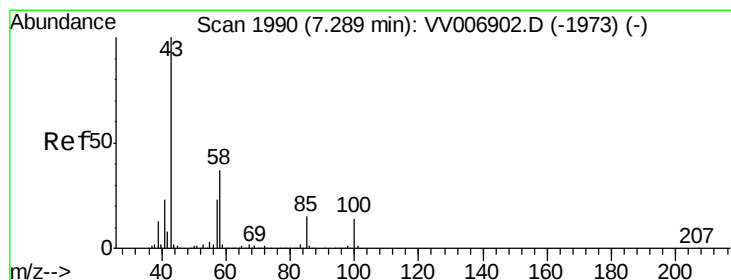
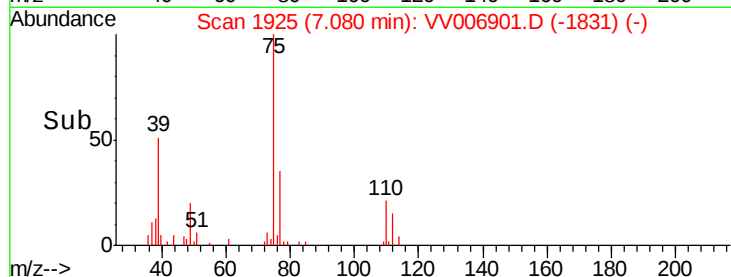
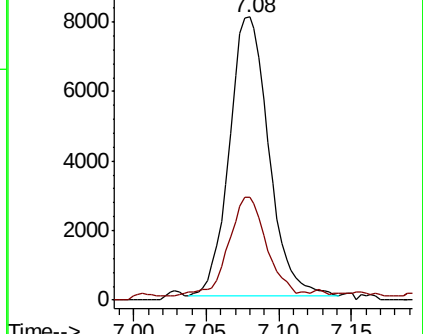
75 100

77 36.4 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 10.076 ug/L

RT: 7.29 min Scan# 1991

Delta R.T. 0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

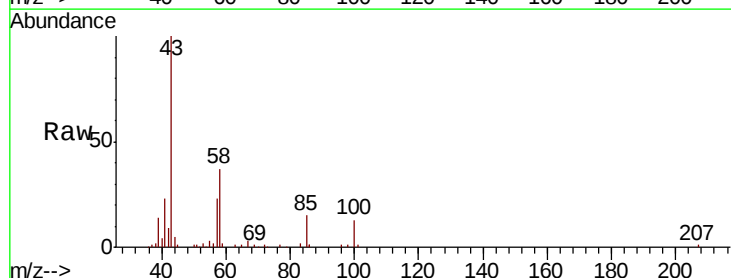
Tgt Ion: 43 Resp: 73741

Ion Ratio Lower Upper

43 100

58 36.9 29.0 43.6

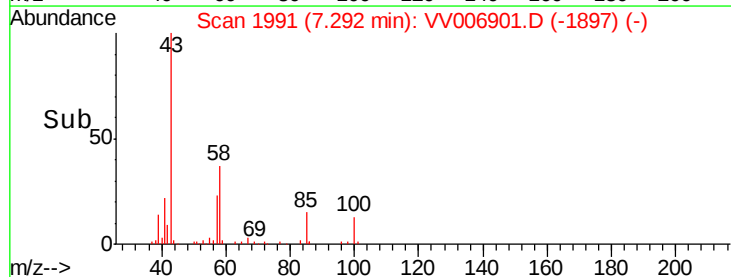
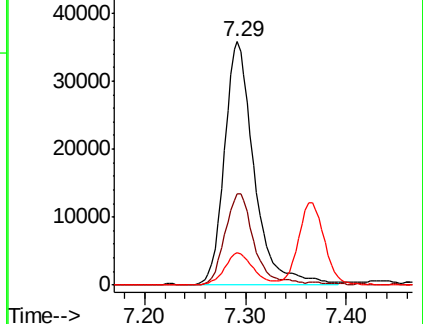
100 12.6 10.5 15.7

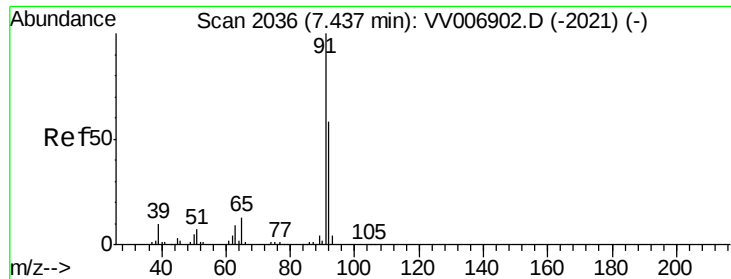


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.934 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

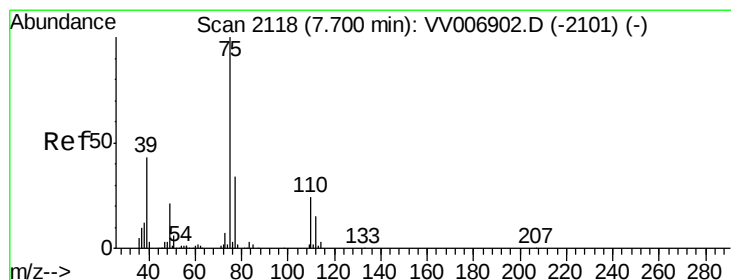
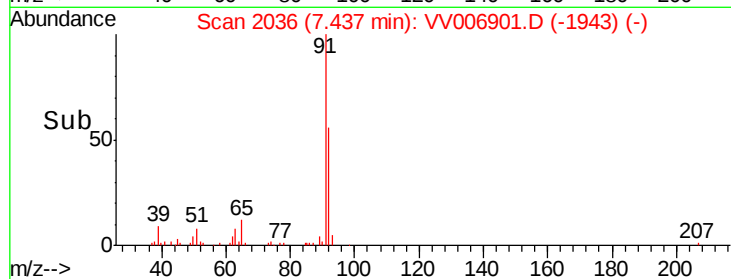
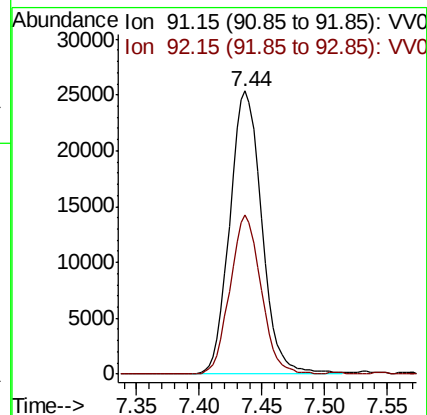
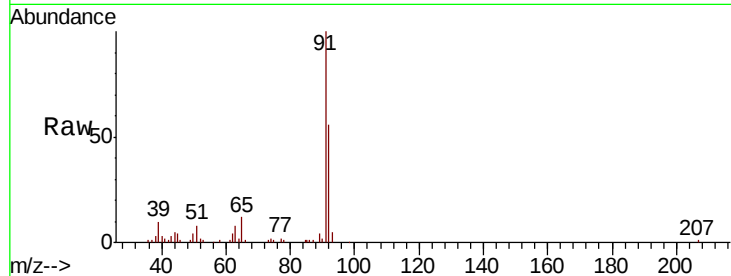
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 45063

Ion Ratio Lower Upper

91 100

92 56.4 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 0.934 ug/L

RT: 7.70 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VV006901.D

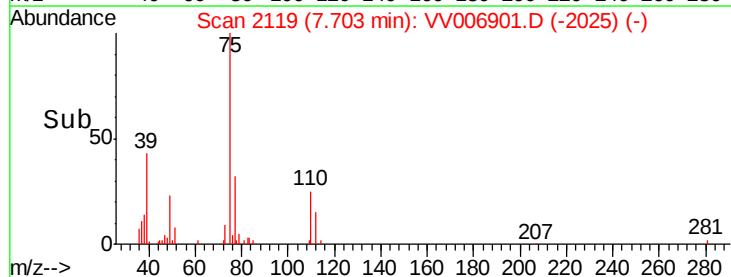
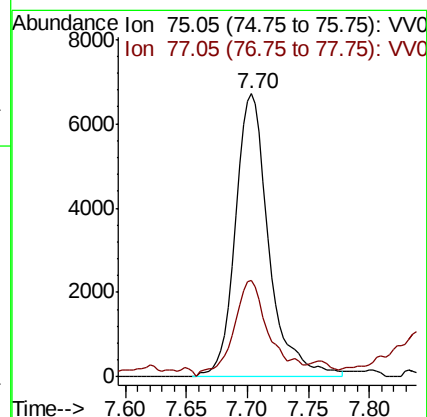
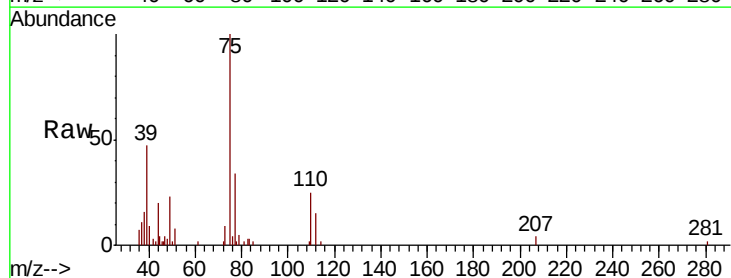
Acq: 07 Aug 2018 16:48

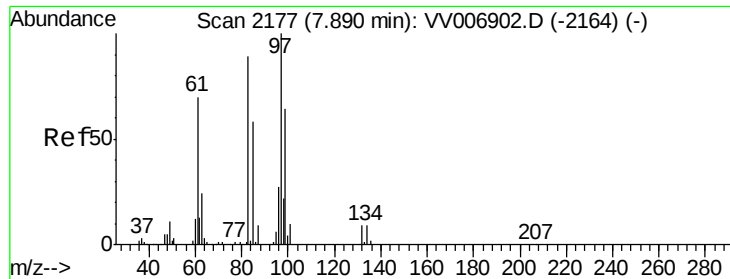
Tgt Ion: 75 Resp: 12820

Ion Ratio Lower Upper

75 100

77 34.0 24.2 45.0

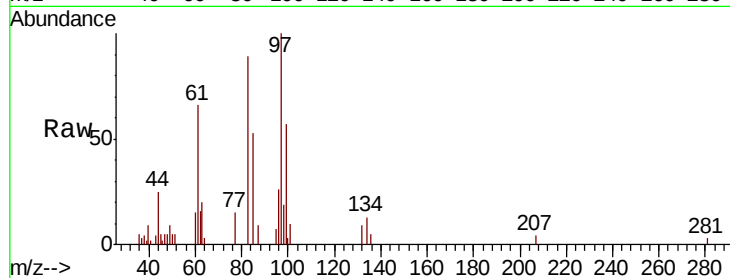




#45
 1,1,2-Trichloroethane
 Concen: 0.997 ug/L
 RT: 7.89 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	9227
Ion	Ratio	Lower	Upper
97	100		
99	57.2	44.7	82.9
83	88.7	62.4	116.0
85	52.8	40.4	75.0



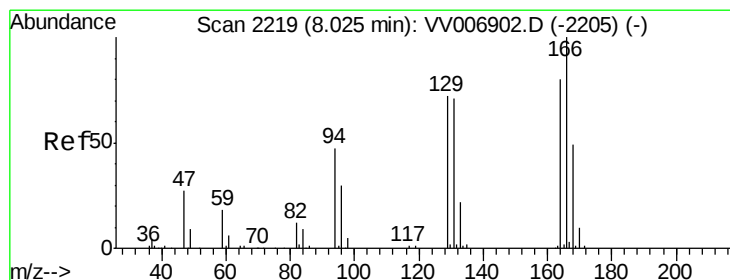
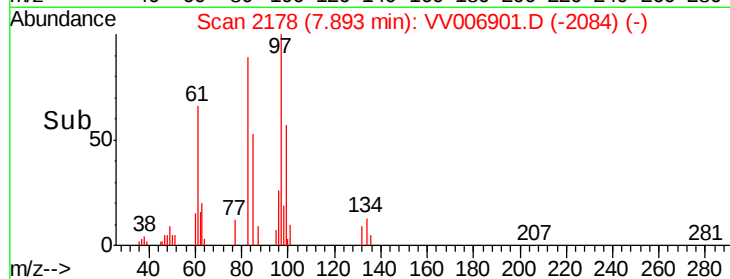
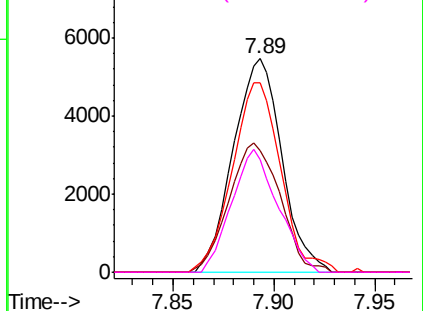
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

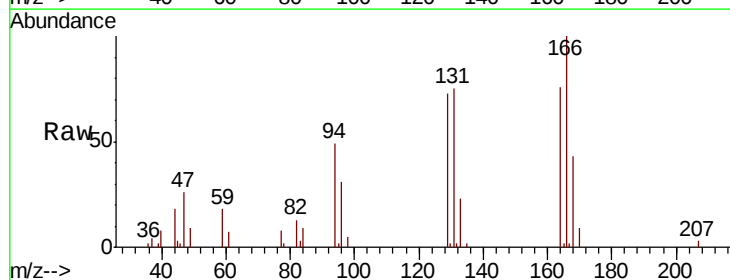
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.917 ug/L
 RT: 8.03 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Tgt Ion:	164	Resp:	8925
Ion	Ratio	Lower	Upper
164	100		
129	96.1	63.1	117.3
131	97.9	62.3	115.7
166	130.8	87.4	162.4



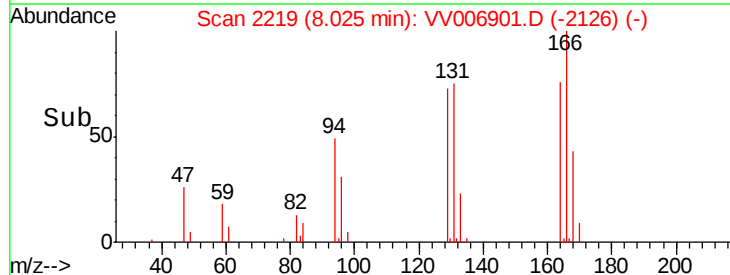
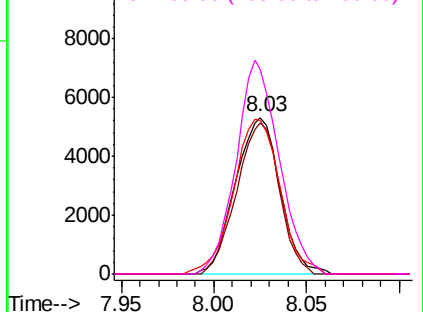
Abundance

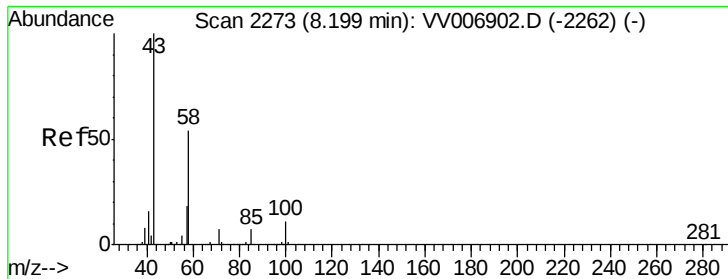
Ion 163.90 (163.60 to 164.60): V

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

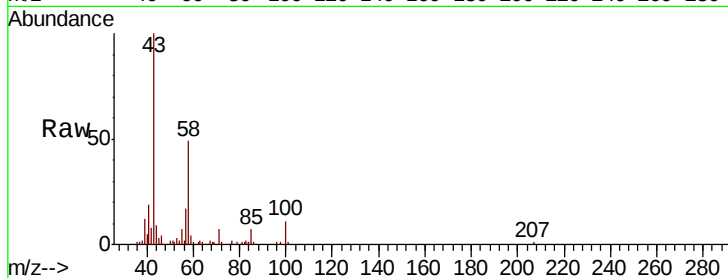




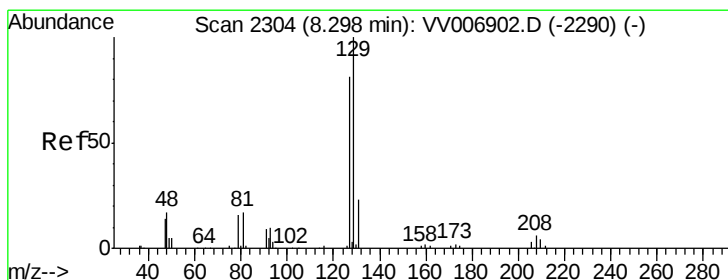
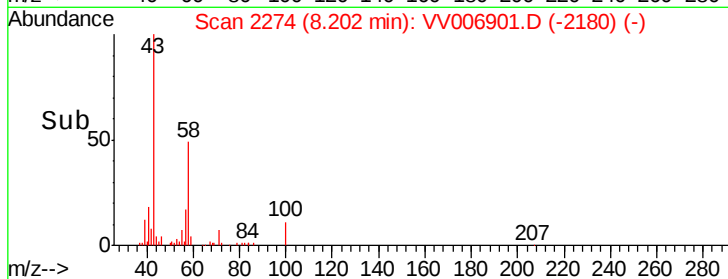
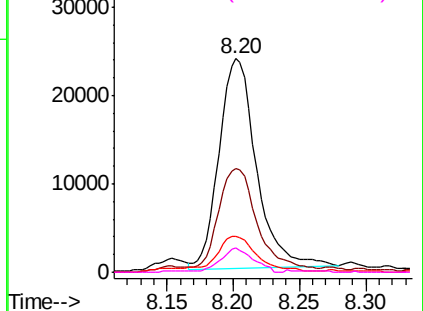
#48
2-Hexanone
Concen: 9.299 ug/L
RT: 8.20 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	46695
Ion	Ratio	Lower	Upper
43	100		
58	48.8	42.0	63.0
57	17.4	14.1	21.1
100	9.9	8.1	12.1

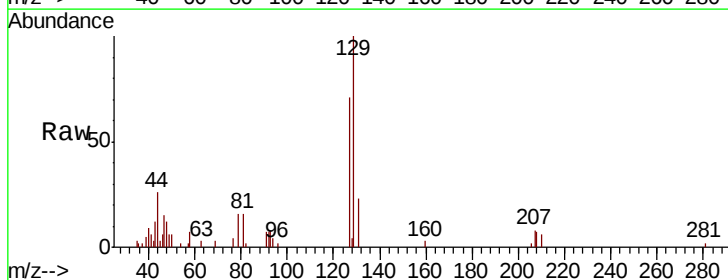


Abundance Ion 43.05 (42.75 to 43.75): VV006901.D (-2180) (-)
Ion 58.05 (57.75 to 58.75): VV006901.D (-2180) (-)
Ion 57.20 (56.90 to 57.90): VV006901.D (-2180) (-)
Ion 100.15 (99.85 to 100.85): VV006901.D (-2180) (-)

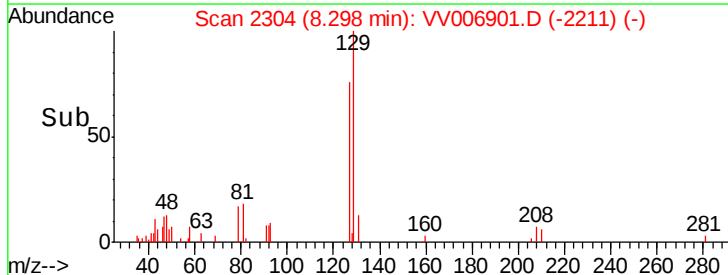
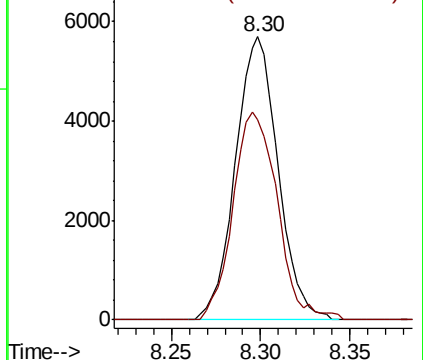


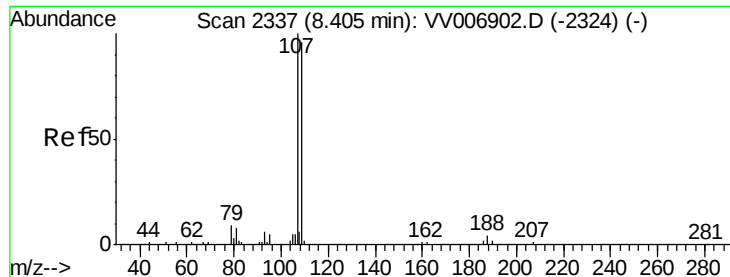
#49
Dibromochloromethane
Concen: 1.003 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Tgt Ion:	129	Resp:	9458
Ion	Ratio	Lower	Upper
129	100		
127	70.8	57.0	105.8



Abundance Ion 128.95 (128.65 to 129.65): VV006901.D (-2211) (-)
Ion 126.90 (126.60 to 127.60): VV006901.D (-2211) (-)

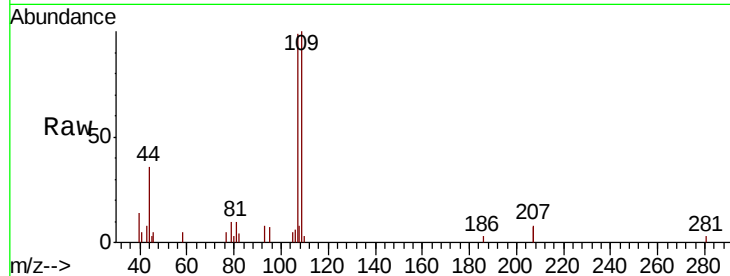




#50
1,2-Dibromoethane
Concen: 0.909 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	100.7	67.1	124.7
188	0.0	3.0	4.4#

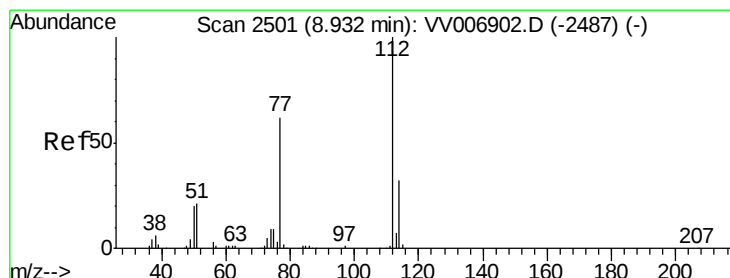
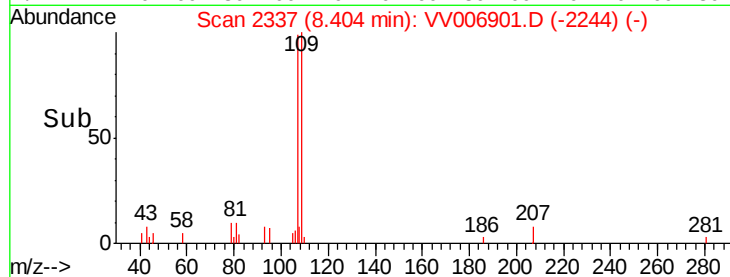
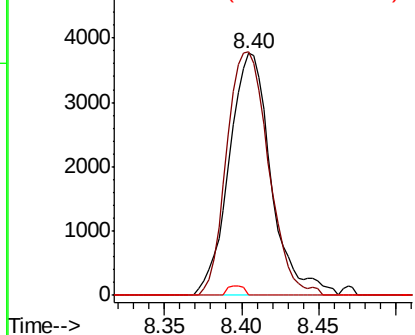


Abundance

Ion 106.95 (106.65 to 107.65): V

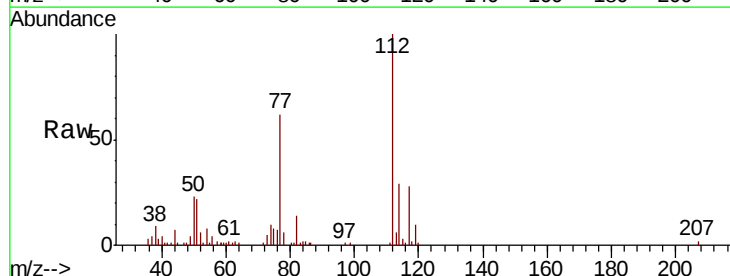
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.941 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VV006901.D
Acq: 07 Aug 2018 16:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	28.7	22.6	42.0
77	62.2	50.4	75.6

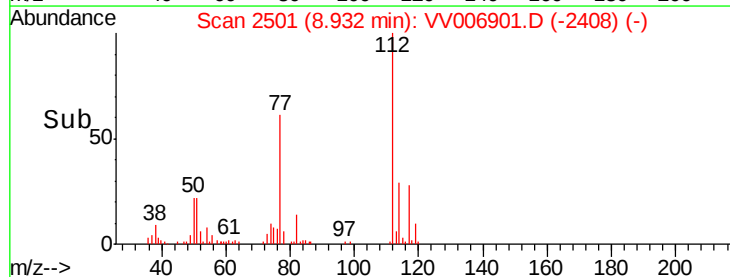
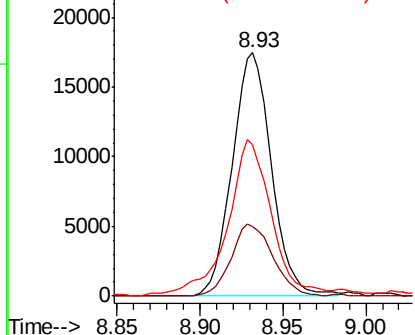


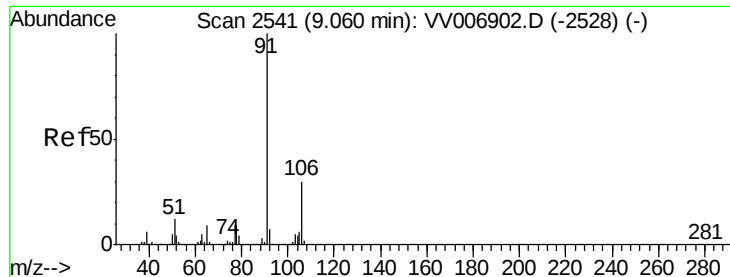
Abundance

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: 0.871 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

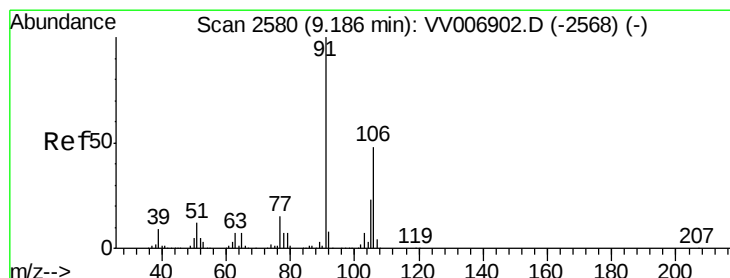
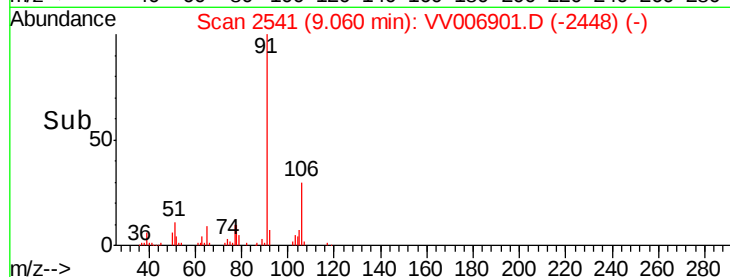
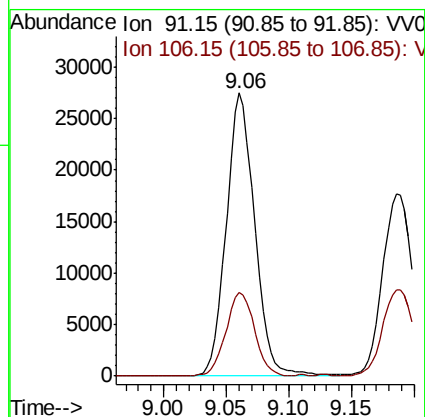
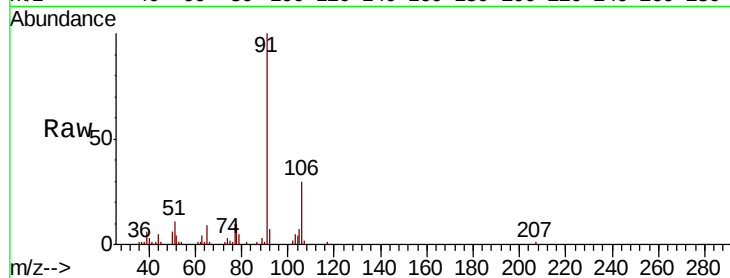
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 43280

Ion Ratio Lower Upper

91 100

106 29.6 21.0 39.0



#53

m,p-xylene

Concen: 0.797 ug/L

RT: 9.19 min Scan# 2581

Delta R.T. 0.00 min

Lab File: VV006901.D

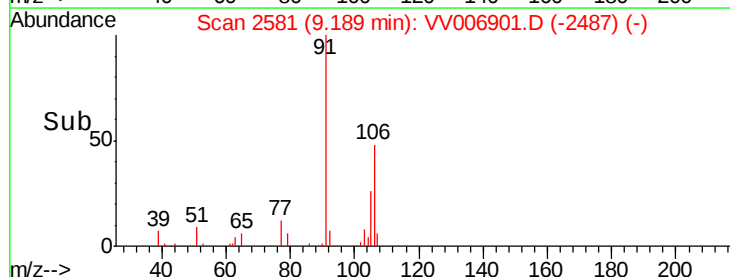
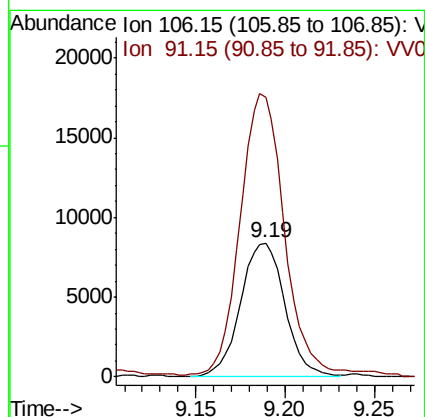
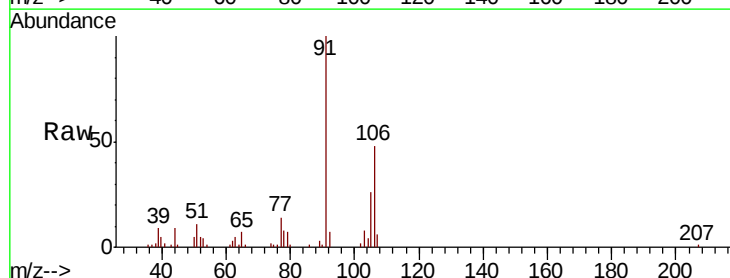
Acq: 07 Aug 2018 16:48

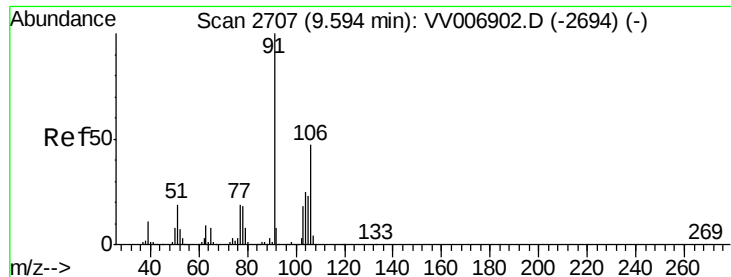
Tgt Ion: 106 Resp: 14585

Ion Ratio Lower Upper

106 100

91 209.1 147.7 274.3





#54

o-xylene

Concen: 0.801 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

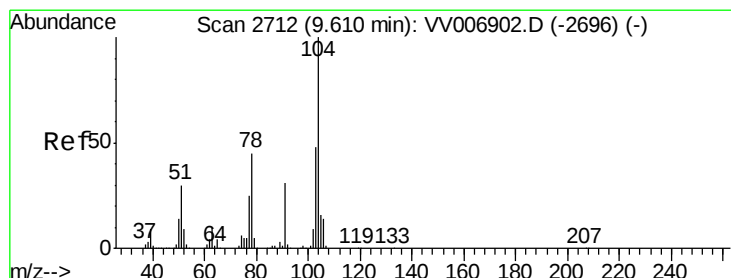
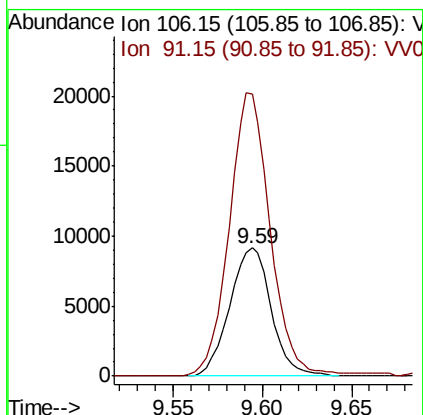
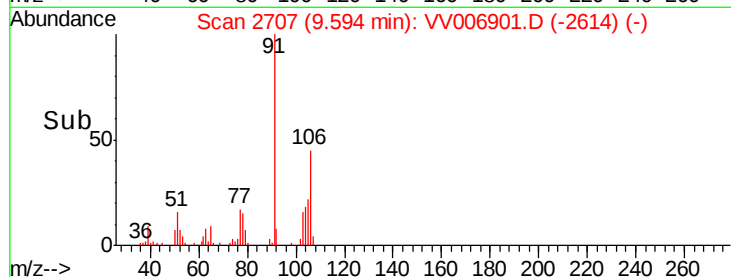
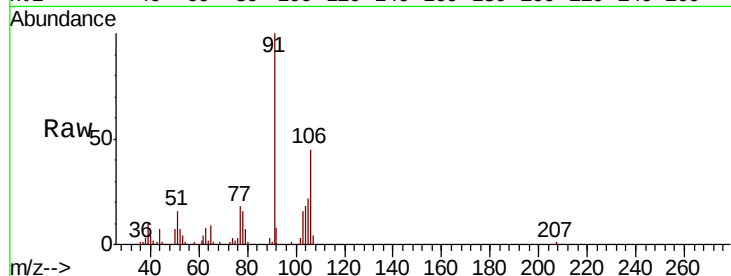
ClientSampleId :

Tot Ion:106 Resp: 14806

Ion Ratio Lower Upper

106 100

91 219.9 149.9 278.3



#55

Styrene

Concen: 0.755 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006901.D

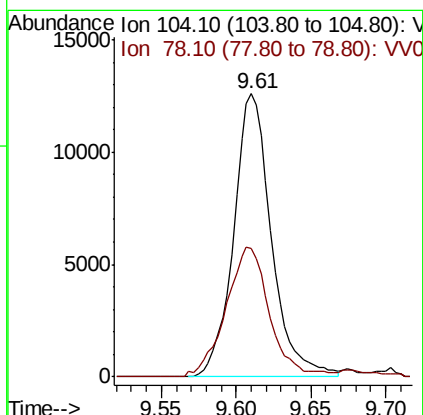
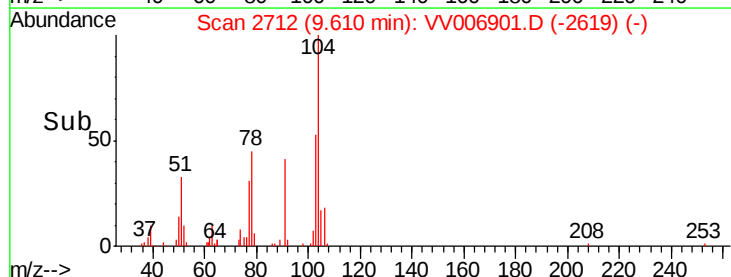
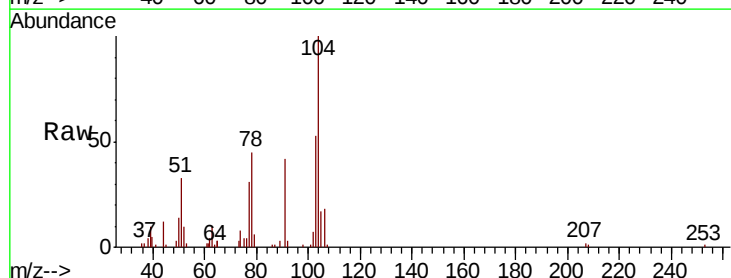
Acq: 07 Aug 2018 16:48

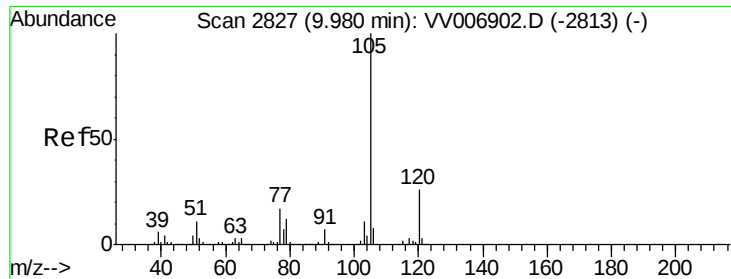
Tgt Ion:104 Resp: 22112

Ion Ratio Lower Upper

104 100

78 45.4 31.8 59.0





#56

Isopropylbenzene

Concen: 0.801 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

ClientSampled :

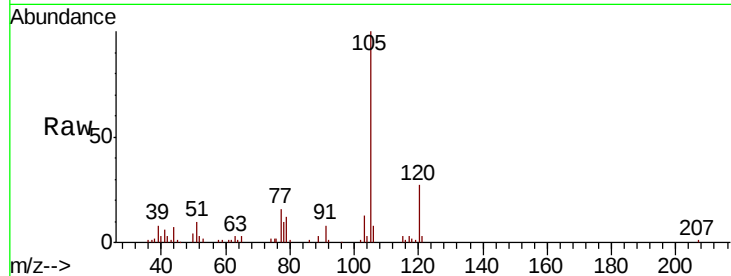
Tot Ion:105 Resp: 37624

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

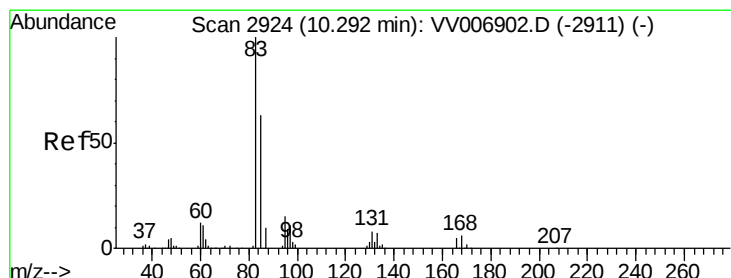
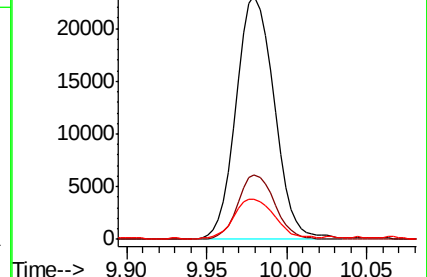
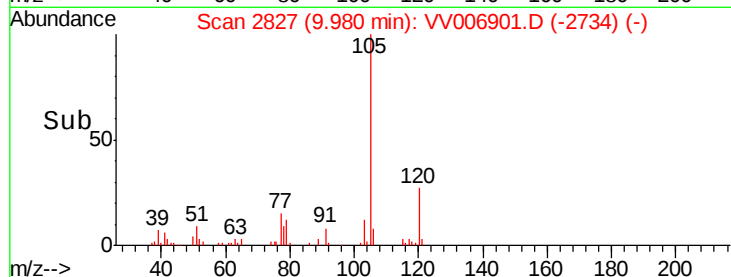
77 18.1 13.7 20.5



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: 1.102 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

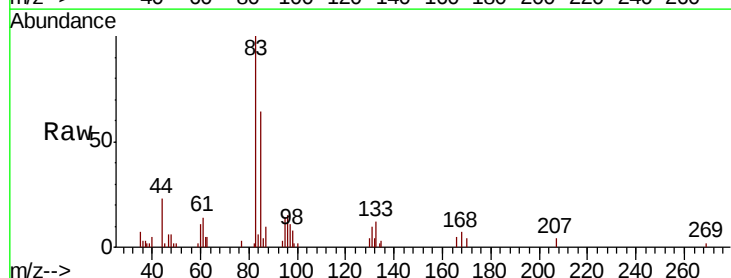
Tgt Ion: 83 Resp: 12487

Ion Ratio Lower Upper

83 100

85 63.6 44.4 82.4

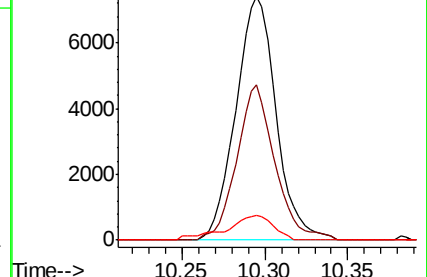
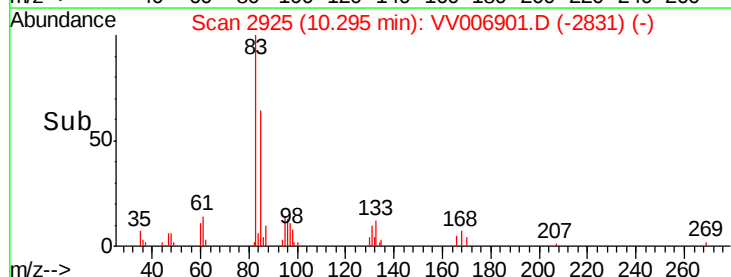
131 10.0 6.6 9.8#

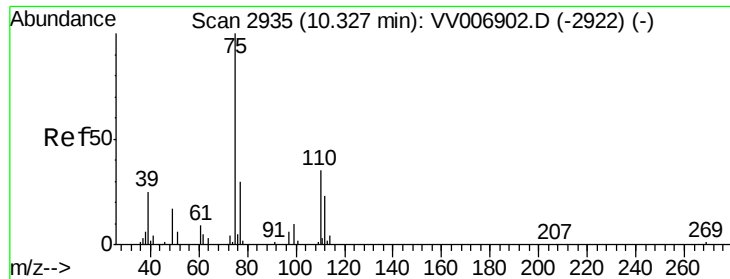


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.003 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

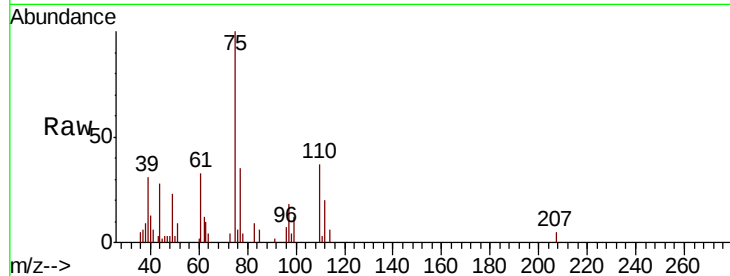
ClientSampled :

Tot Ion: 75 Resp: 7986

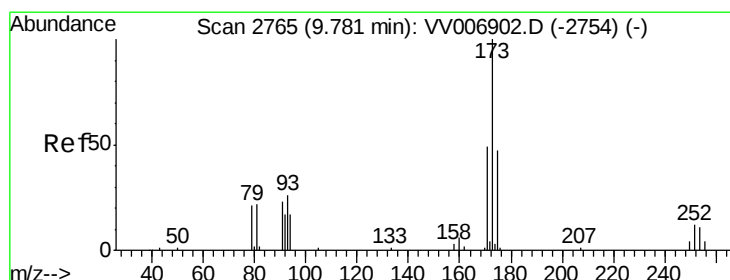
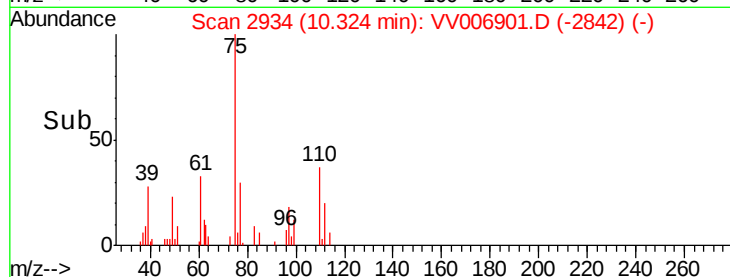
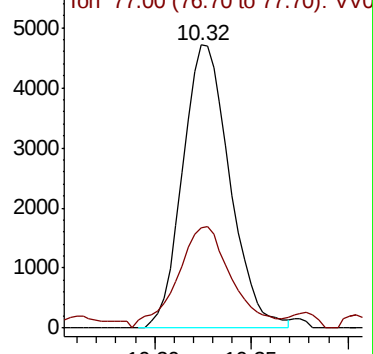
Ion Ratio Lower Upper

75 100

77 41.3 24.5 36.7#



Abundance Ion 75.00 (74.70 to 75.70): VV006901.D (-2842) (-)



#61

Bromoform

Concen: 1.062 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

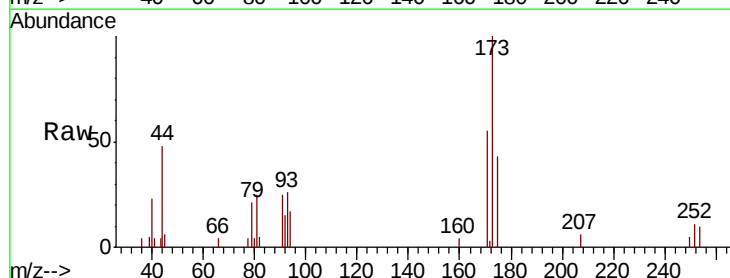
Tgt Ion: 173 Resp: 4799

Ion Ratio Lower Upper

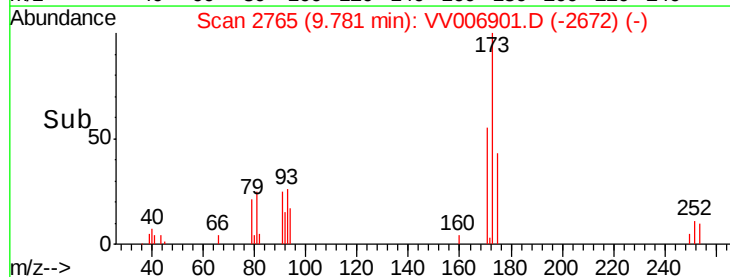
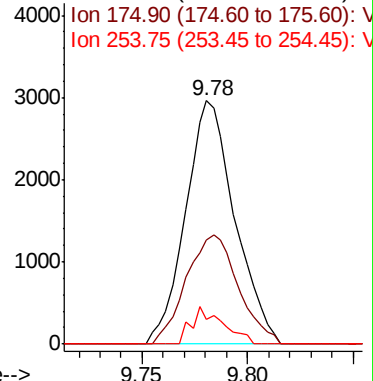
173 100

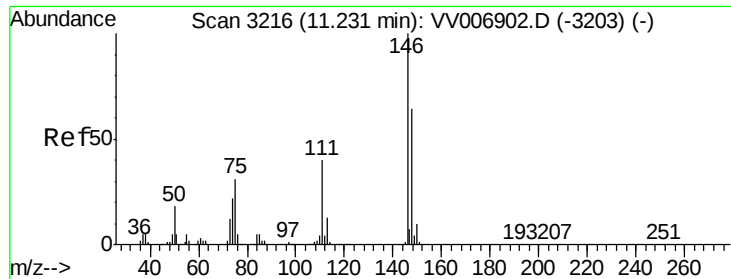
175 47.5 37.9 56.9

254 9.9 8.0 12.0



Abundance Ion 172.90 (172.60 to 173.60): VV006901.D (-2672) (-)

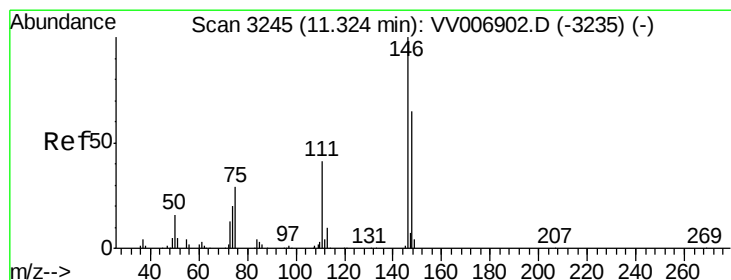
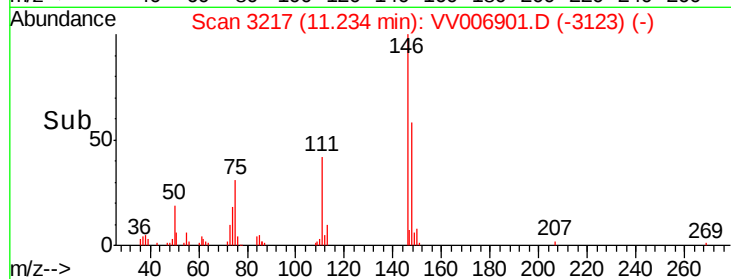
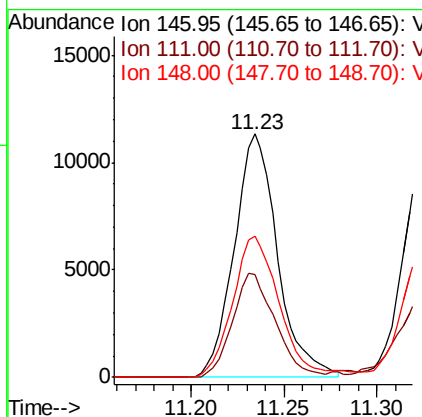
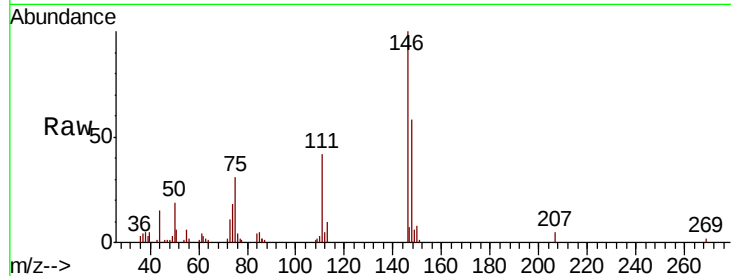




#62
 1,3-Dichlorobenzene
 Concen: 0.907 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

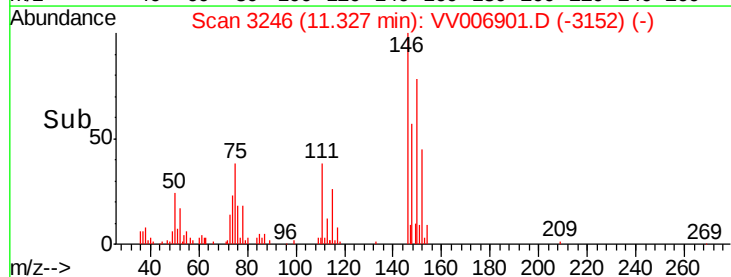
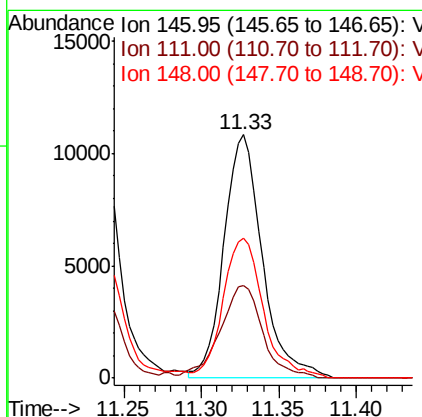
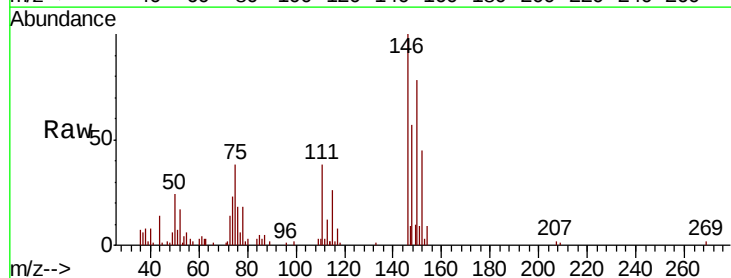
Instrument :
 MSVOA_V
 ClientSampled :

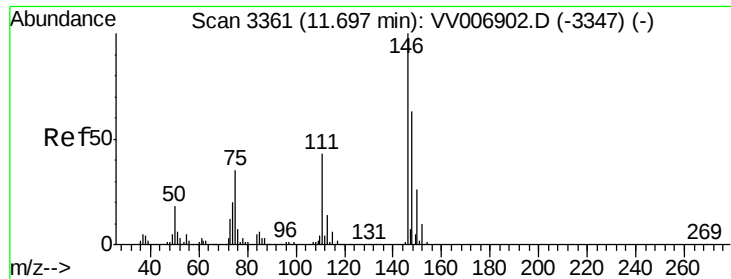
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.1	52.1
148	58.1	45.0	83.6



#63
 1,4-Dichlorobenzene
 Concen: 0.929 ug/L
 RT: 11.33 min Scan# 3246
 Delta R.T. 0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	29.0	53.9
148	57.4	45.7	84.9





#65

1,2-Dichlorobenzene

Concen: 0.951 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

ClientSampled :

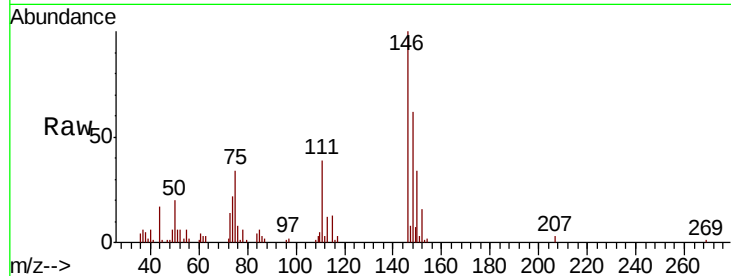
Tot Ion:146 Resp: 18993

Ion Ratio Lower Upper

146 100

111 38.9 34.5 51.7

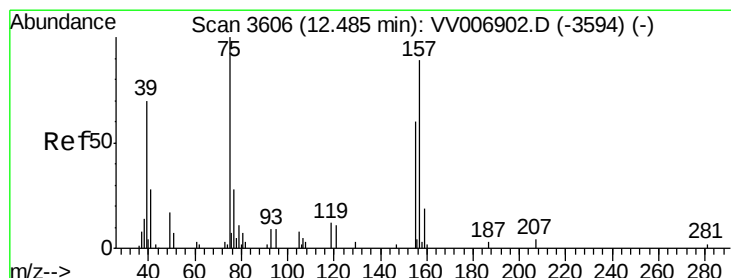
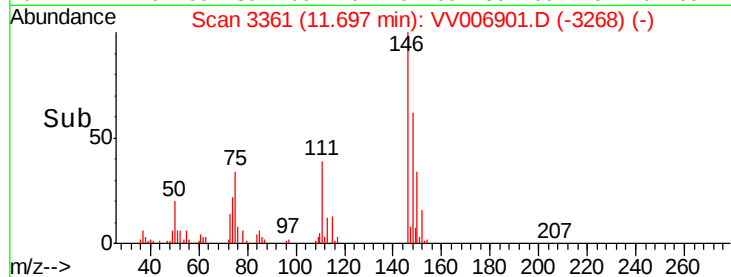
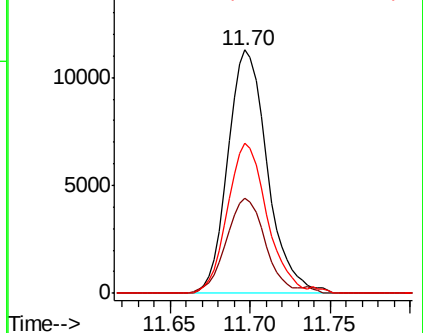
148 61.6 50.3 75.5



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: 1.249 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

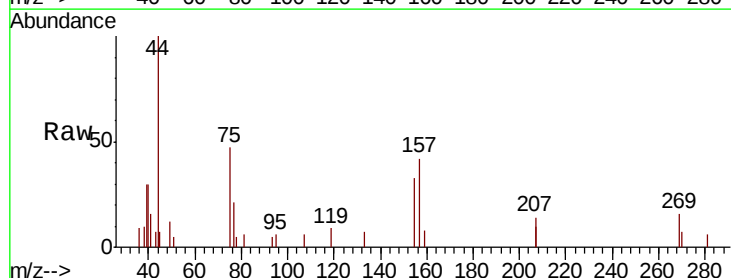
Tgt Ion: 75 Resp: 1832

Ion Ratio Lower Upper

75 100

155 70.5 48.1 72.1

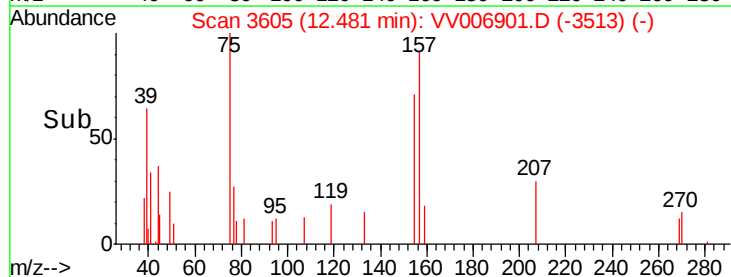
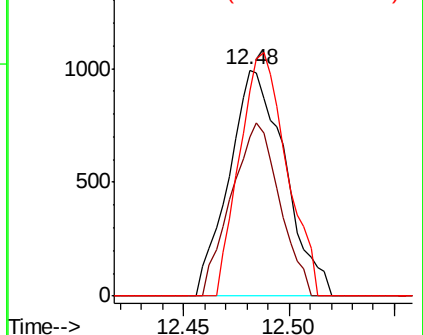
157 90.5 71.4 107.0

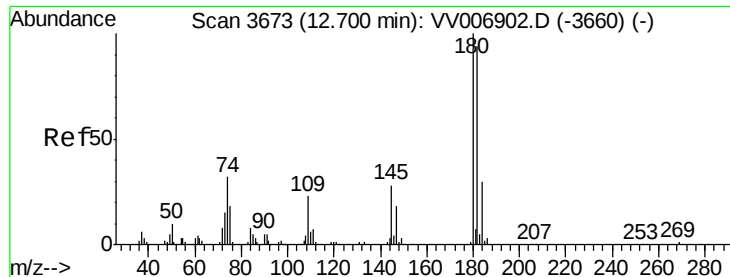


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

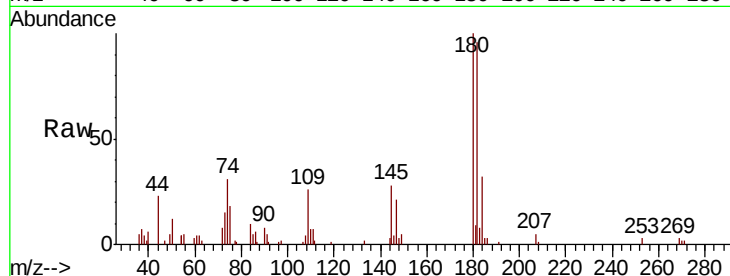




#67
 1,3,5-Trichlorobenzene
 Concen: 0.875 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.8	113.8
184	32.4	23.8	35.6
145	26.7	22.4	33.6



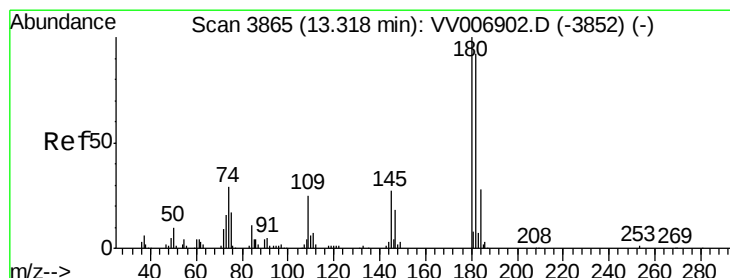
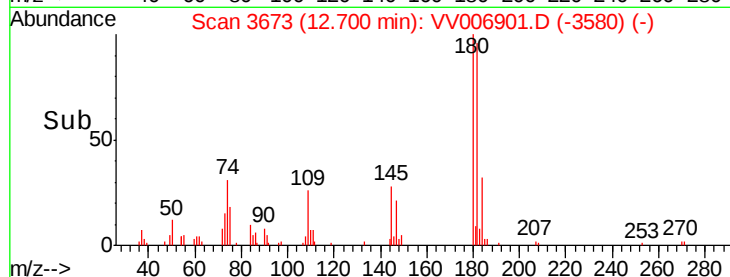
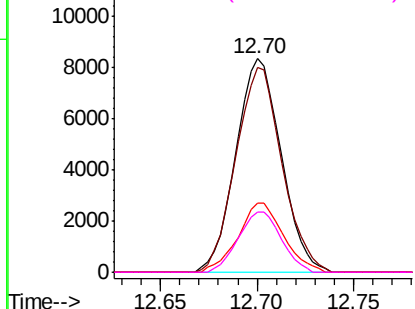
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

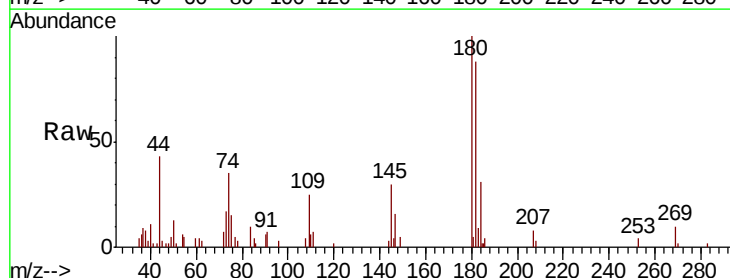
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.719 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006901.D
 Acq: 07 Aug 2018 16:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	71.8	107.8
145	30.9	21.0	31.6

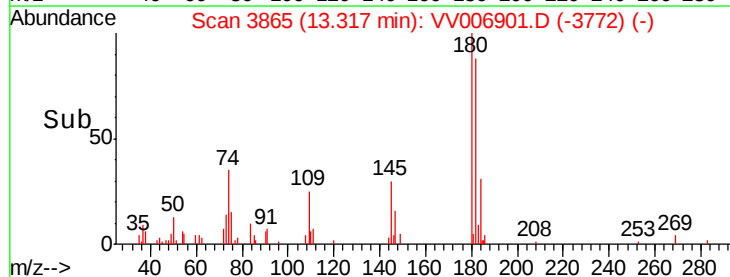
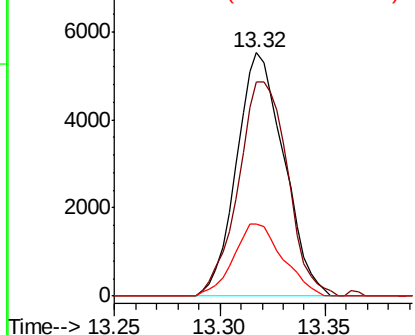


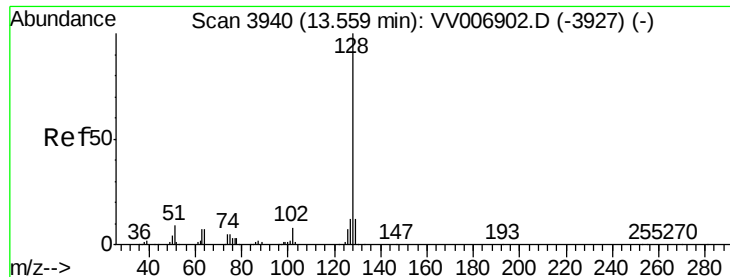
Abundance

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: 0.636 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

Instrument :

MSVOA_V

ClientSampleId :

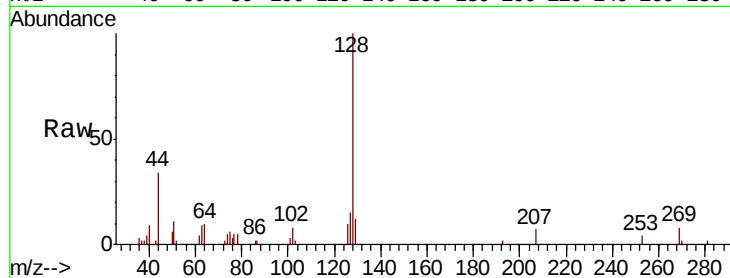
Tot Ion:128 Resp: 12994

Ion Ratio Lower Upper

128 100

129 10.1 9.3 13.9

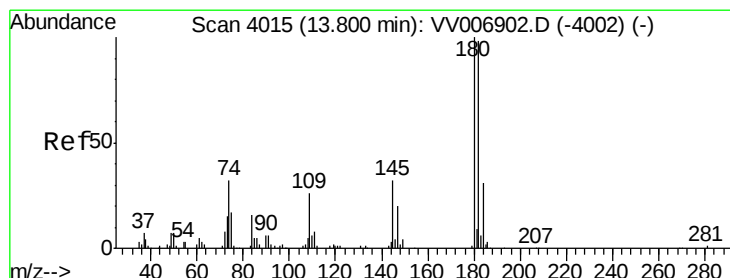
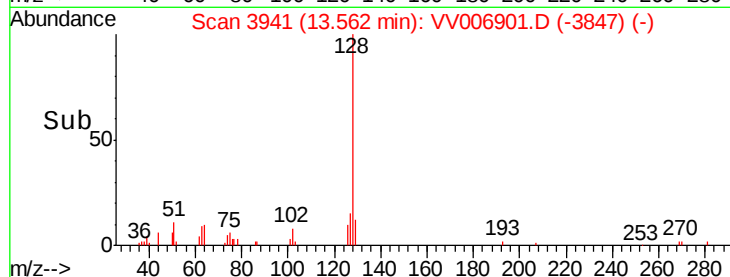
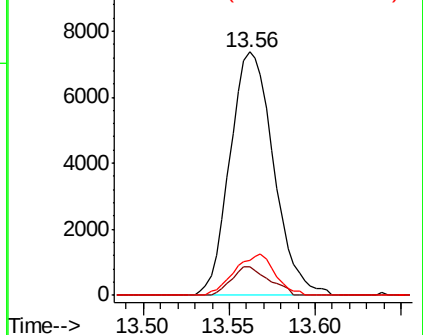
127 15.5 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.787 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV006901.D

Acq: 07 Aug 2018 16:48

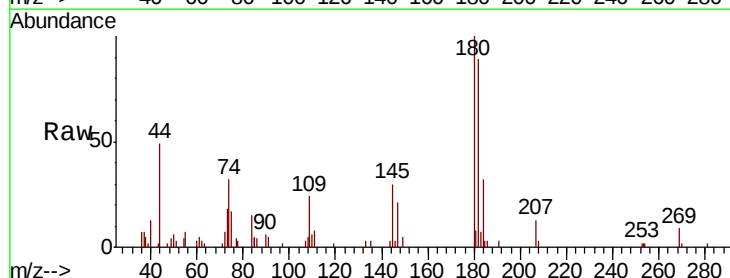
Tgt Ion:180 Resp: 9072

Ion Ratio Lower Upper

180 100

182 92.6 77.0 115.6

145 30.4 25.0 37.6



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

