

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
 Data File : VW004892.D
 Acq On : 23 Aug 2018 09:56
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 24 04:51:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 11:03:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	537487	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	522788	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	269778	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	240635	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.89	69	177345	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	4.03	63	317859	24.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.00%
20) 2-Butanone-d5	7.09	46	122924	59.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.90%
24) Chloroform-d	7.66	84	286579	24.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.08%
26) 1,2-Dichloroethane-d4	8.31	65	146363	22.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.28%
29) Benzene-d6	8.28	84	683426	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	9.28	67	186386	23.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.36%
37) Toluene-d8	10.33	98	739105	25.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.80%
38) trans-1,3-Dichloropropene-	10.58	79	79247	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.24%
39) 2-Hexanone-d5	10.93	63	110565	56.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.96%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	187013	23.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.24%
61) 1,2-Dichlorobenzene-d4	13.87	152	264513	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	268346	26.541	ug/L 100
3) Chloromethane	2.21	50	303871	26.520	ug/L 100
5) Vinyl chloride	2.36	62	309437	26.664	ug/L 97
6) Bromomethane	2.78	94	171355	28.186	ug/L 99
8) Chloroethane	2.93	64	168239	25.941	ug/L 99
9) Trichlorofluoromethane	3.27	101	299161	25.474	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	191483	27.258	ug/L 99
12) 1,1-Dichloroethene	4.05	96	165855	26.505	ug/L 91
13) Acetone	4.15	43	77614	48.463	ug/L 99
14) Carbon disulfide	4.39	76	633014	24.414	ug/L 100
15) Methyl Acetate	4.69	43	102767	28.379	ug/L 95
16) Methylene chloride	4.93	84	213007	20.437	ug/L 96
17) Methyl tert-butyl Ether	5.44	73	330084	24.421	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	179752	27.586	ug/L 98
19) 1,1-Dichloroethane	6.23	63	308088	25.902	ug/L 97
21) 2-Butanone	7.19	43	141144	57.234	ug/L 100
22) cis-1,2-Dichloroethene	7.18	96	183134	26.045	ug/L 98

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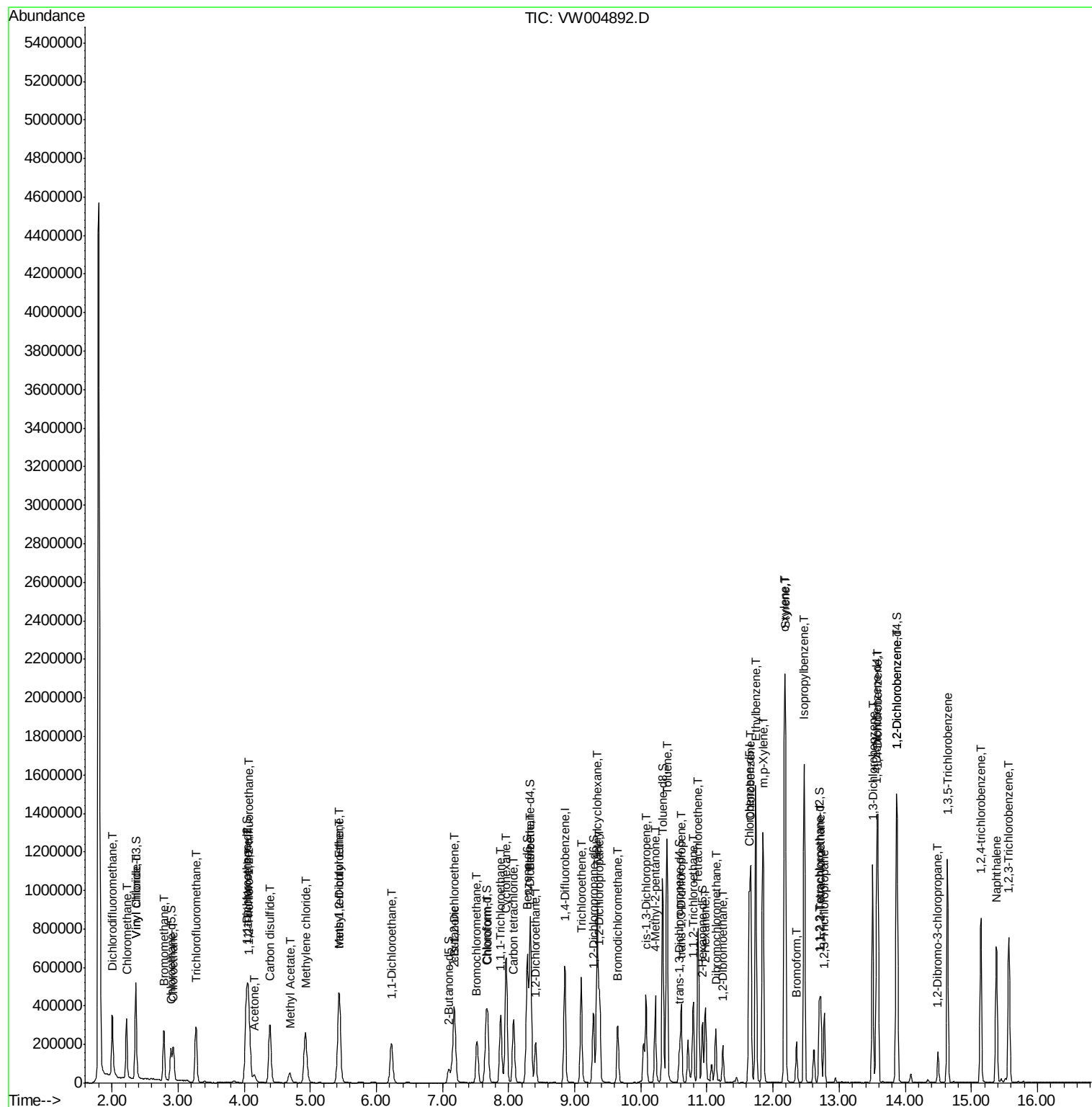
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.53	128	82694	22.272	ug/L	96
25) Chloroform	7.68	83	301475	25.289	ug/L	99
27) 1,2-Dichloroethane	8.41	62	185160	23.696	ug/L	99
30) Cyclohexane	7.96	56	320830	28.829	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	286339	28.437	ug/L	99
32) Carbon tetrachloride	8.07	117	257666	28.609	ug/L	99
34) Benzene	8.33	78	803276	26.948	ug/L	100
35) Trichloroethene	9.10	95	195697	26.402	ug/L	99
36) Methylcyclohexane	9.34	83	376383	27.454	ug/L	100
40) 1,2-Dichloropropane	9.38	63	185229	25.261	ug/L	98
41) Bromodichloromethane	9.65	83	209439	25.922	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	257102	25.259	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	293415	54.206	ug/L	100
44) Toluene	10.40	91	982186	27.437	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	225455	24.423	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	137911	24.096	ug/L	99
47) Tetrachloroethene	10.87	164	199677	27.517	ug/L	97
49) 2-Hexanone	10.98	43	242938	58.077	ug/L	98
50) Dibromochloromethane	11.13	129	151228	23.800	ug/L	98
51) 1,2-Dibromoethane	11.24	107	135209	24.066	ug/L	95
52) Chlorobenzene	11.66	112	614654	25.848	ug/L	99
53) Ethylbenzene	11.74	91	1101375	27.342	ug/L	99
54) m,p-Xylene	11.85	106	439595	28.131	ug/L	95
55) o-xylene	12.17	106	401394	27.491	ug/L	97
56) Styrene	12.19	104	685874	27.340	ug/L	99
57) Isopropylbenzene	12.47	105	1105366	28.343	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	200535	24.584	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	155613	24.757	ug/L	98
62) Bromoform	12.35	173	102906	24.058	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	485221	26.106	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	498163	25.601	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	453496	25.464	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	40358	26.723	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	384164	25.831	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	300933	25.061	ug/L	100
69) Naphthalene	15.38	128	624891	25.602	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	282909	25.014	ug/L	99

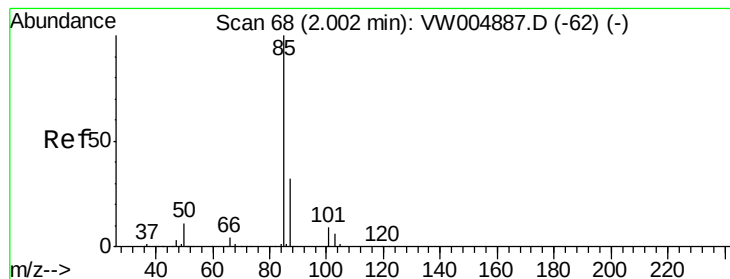
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.541 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

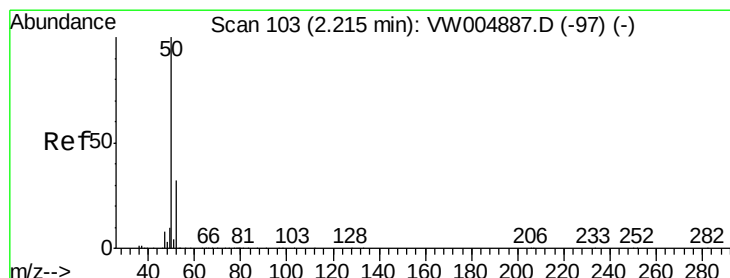
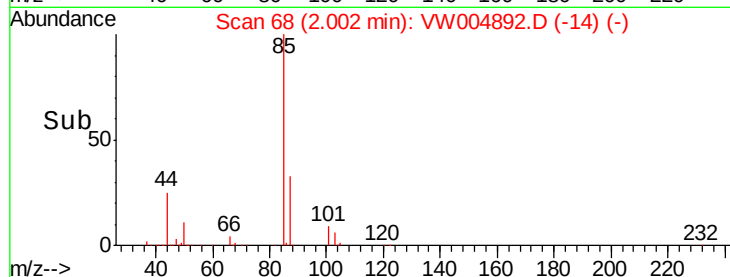
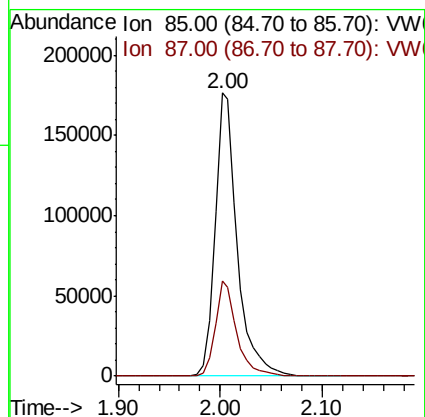
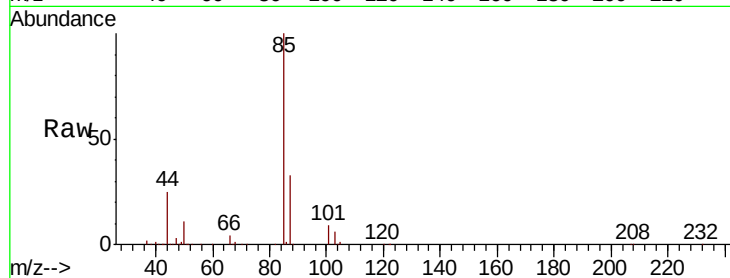
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 268346

Ion Ratio Lower Upper

85 100

87 32.5 22.6 42.0



#3

Chloromethane

Concen: 26.520 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004892.D

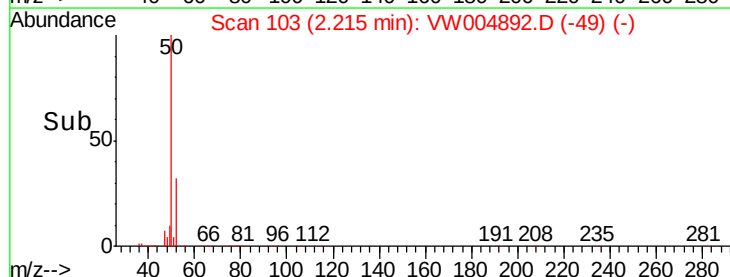
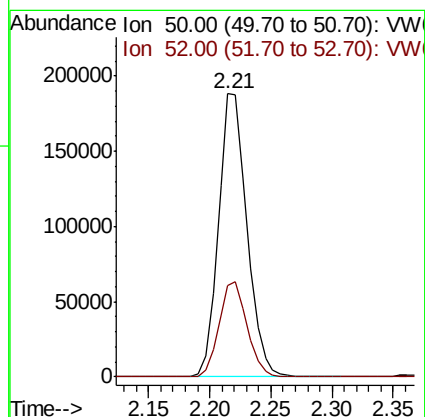
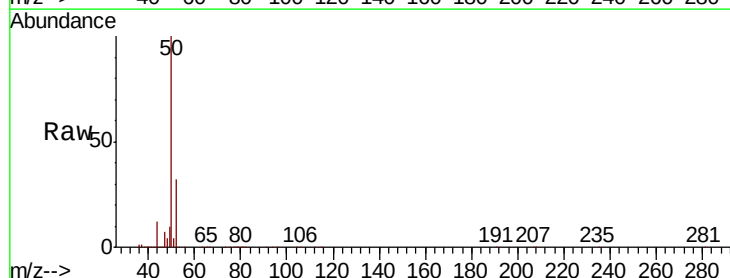
Acq: 23 Aug 2018 09:56

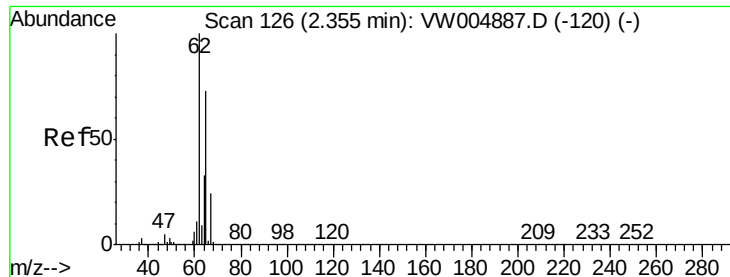
Tgt Ion: 50 Resp: 303871

Ion Ratio Lower Upper

50 100

52 32.4 22.5 41.9





#5

Vinyl chloride

Concen: 26.664 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

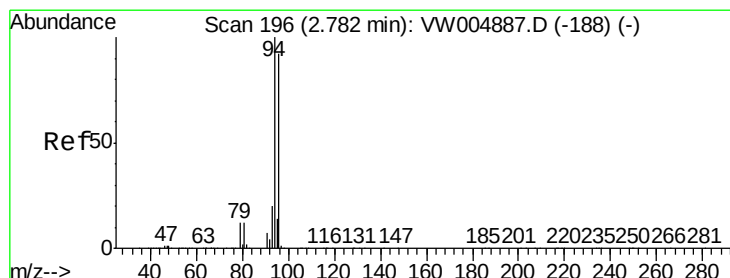
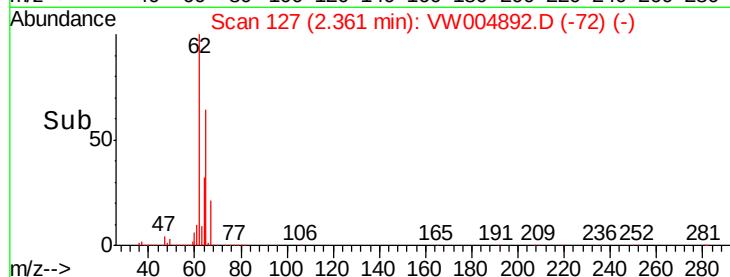
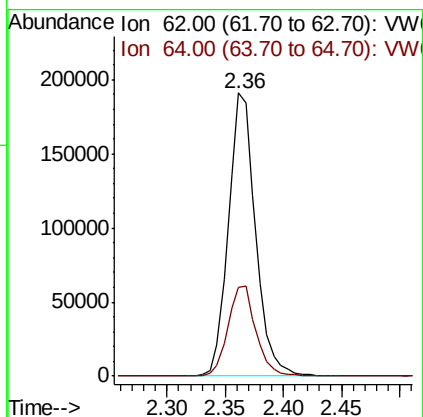
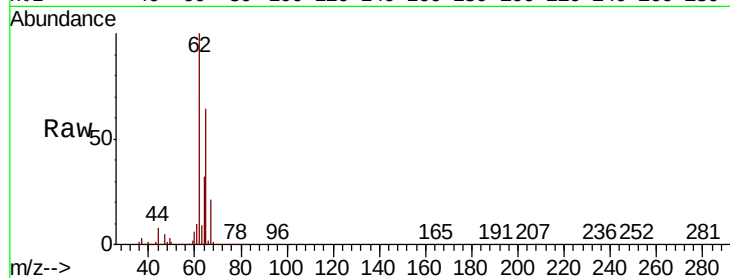
ClientSampleId :

Tot Ion: 62 Resp: 309437

Ion Ratio Lower Upper

62 100

64 31.5 23.3 43.3



#6

Bromomethane

Concen: 28.186 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004892.D

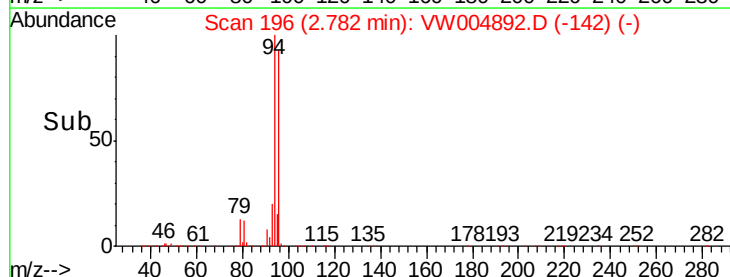
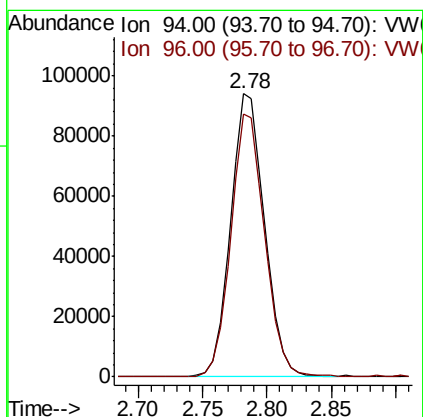
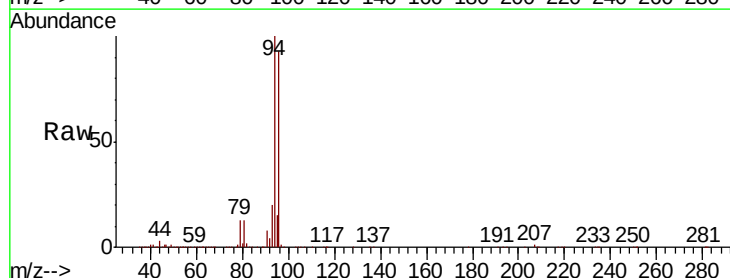
Acq: 23 Aug 2018 09:56

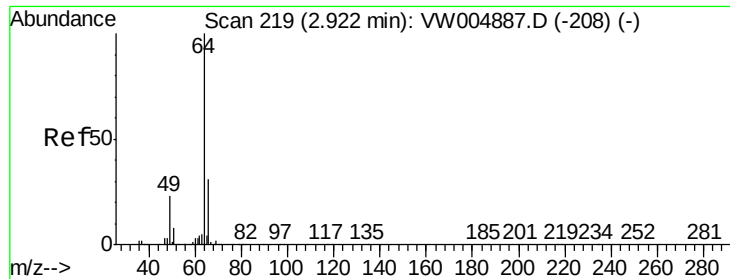
Tgt Ion: 94 Resp: 171355

Ion Ratio Lower Upper

94 100

96 92.4 9.3 177.7

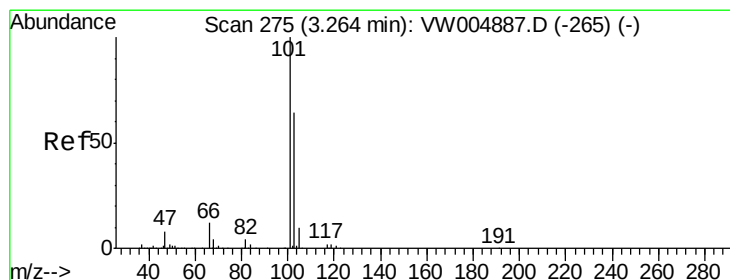
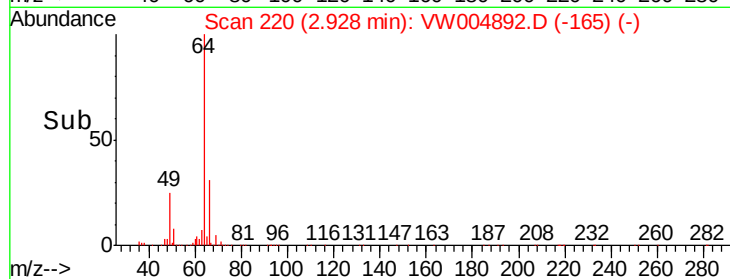
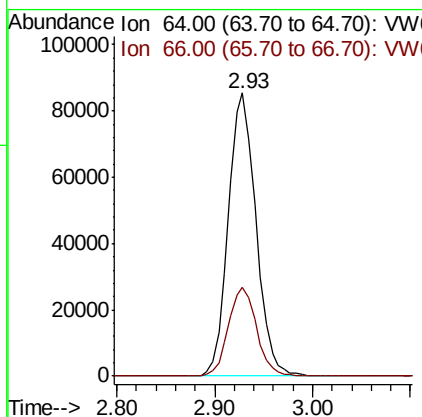
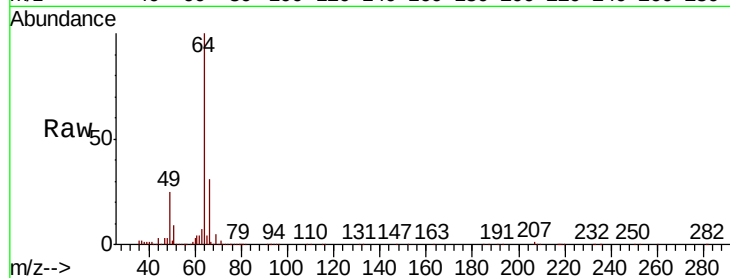




#8
Chloroethane
Concen: 25.941 ug/L
RT: 2.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

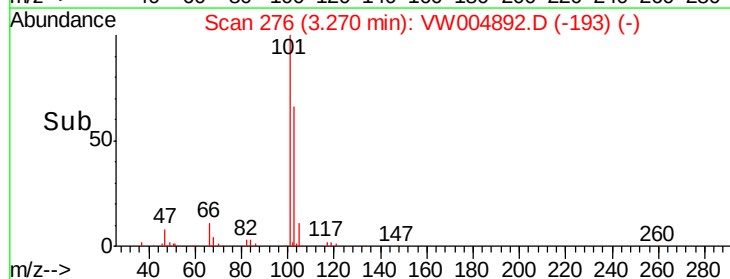
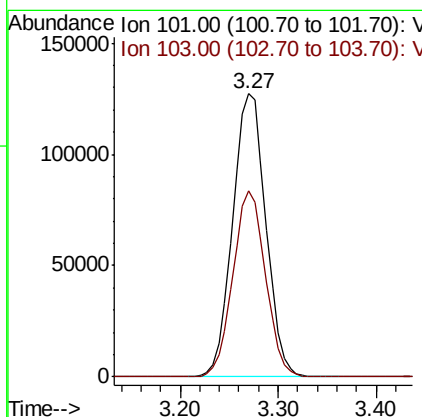
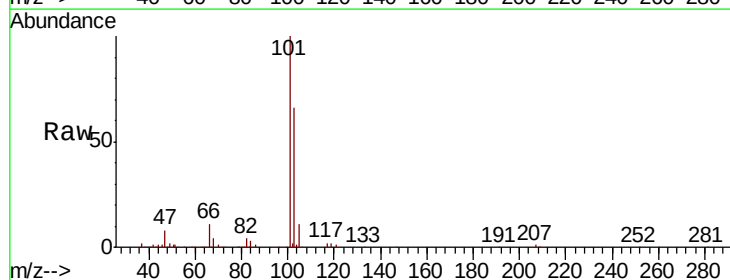
Instrument :
MSVOA_W
ClientSampleId :

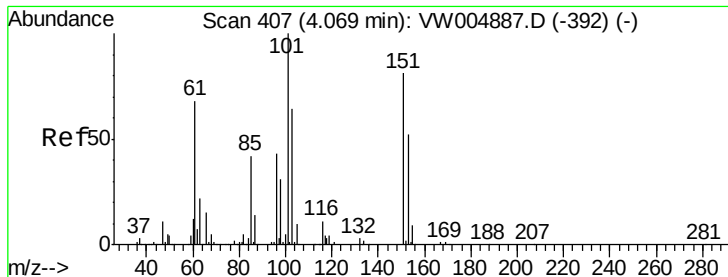
Tot Ion: 64 Resp: 168239
Ion Ratio Lower Upper
64 100
66 31.4 21.5 39.9



#9
Trichlorofluoromethane
Concen: 25.474 ug/L
RT: 3.27 min Scan# 276
Delta R.T. 0.01 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

Tgt Ion: 101 Resp: 299161
Ion Ratio Lower Upper
101 100
103 64.4 45.1 83.7





#11

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

Concen: 27.258 ug/L

RT: 4.07 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW004892.D

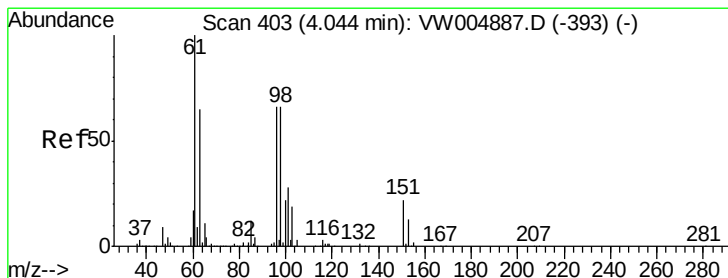
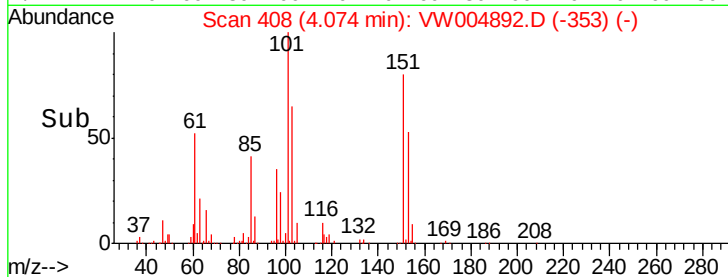
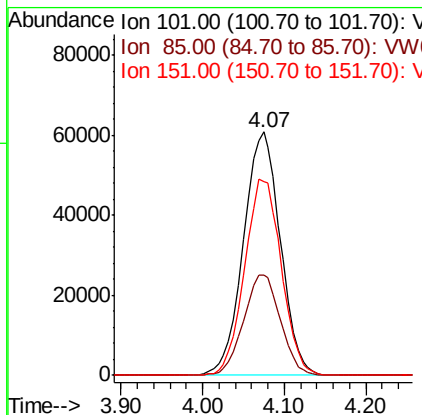
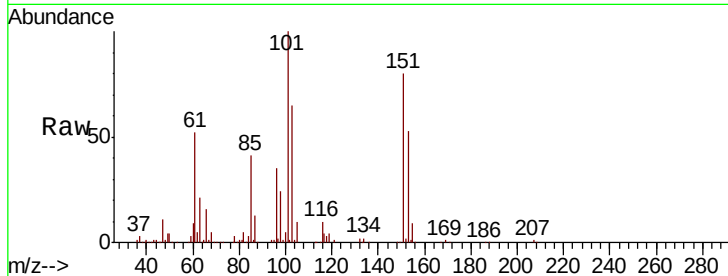
Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	191483
Ion	Ratio	Lower	Upper
101	100		
85	41.1	34.2	51.2
151	80.4	64.1	96.1



#12

1,1-Dichloroethene

Concen: 26.505 ug/L

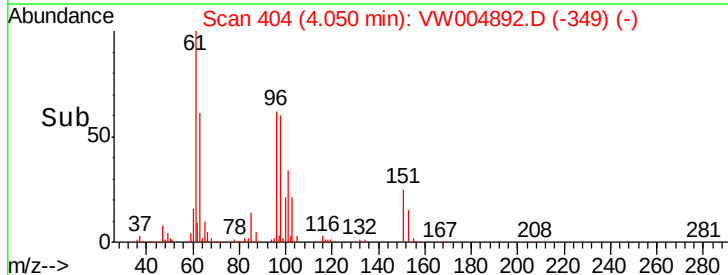
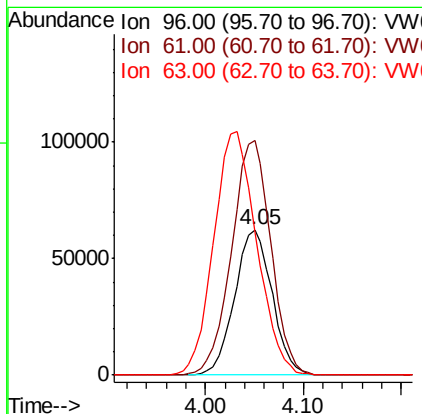
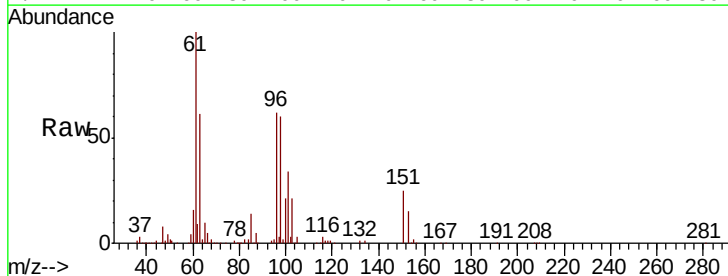
RT: 4.05 min Scan# 404

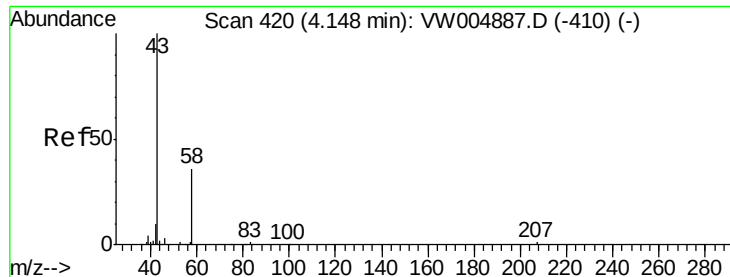
Delta R.T. 0.01 min

Lab File: VW004892.D

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Tgt Ion:	96	Resp:	165855
Ion	Ratio	Lower	Upper
96	100		
61	161.9	107.0	198.8
63	98.1	76.9	142.7





#13

Acetone

Concen: 48.463 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

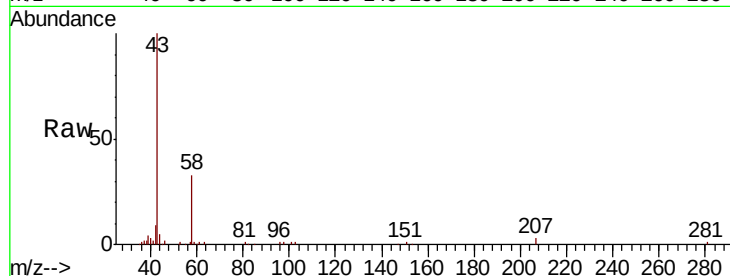
ClientSampled :

Tot Ion: 43 Resp: 77614

Ion Ratio Lower Upper

43 100

58 34.2 0.0 69.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

10000

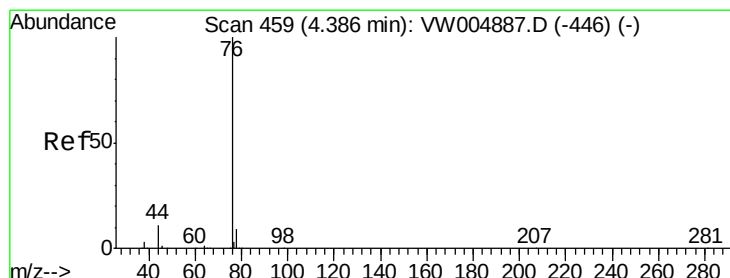
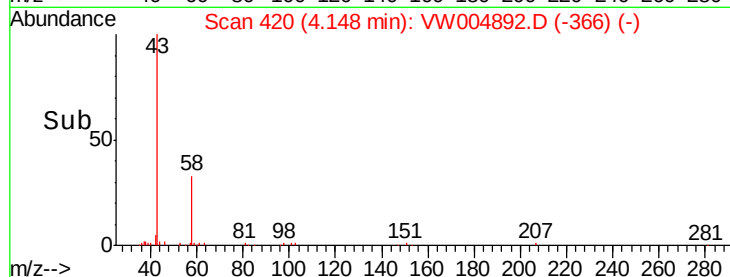
5000

0

4.15

4.10 4.20 4.30

Time-->



#14

Carbon disulfide

Concen: 24.414 ug/L

RT: 4.39 min Scan# 460

Delta R.T. 0.01 min

Lab File: VW004892.D

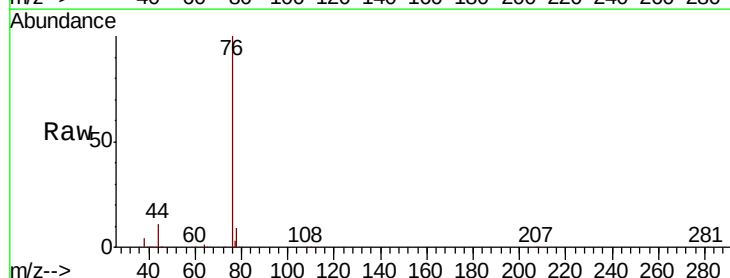
Acq: 23 Aug 2018 09:56

Tgt Ion: 76 Resp: 633014

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

100000

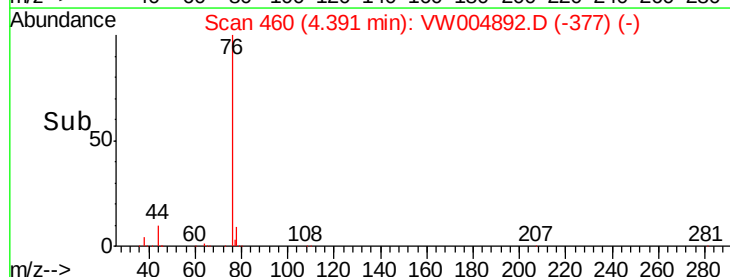
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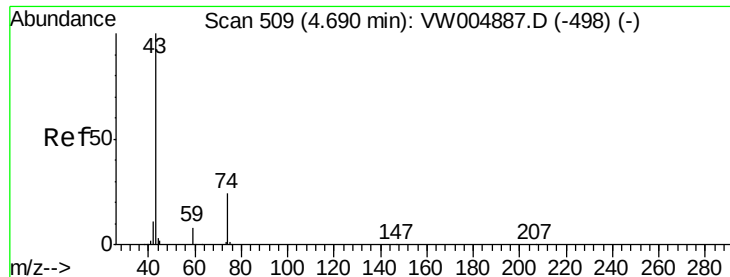
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4.39

4.30 4.40 4.50

Time-->

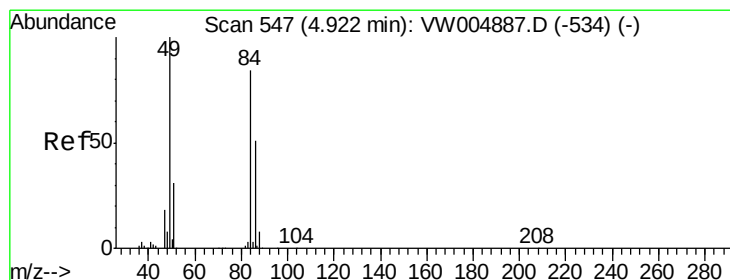
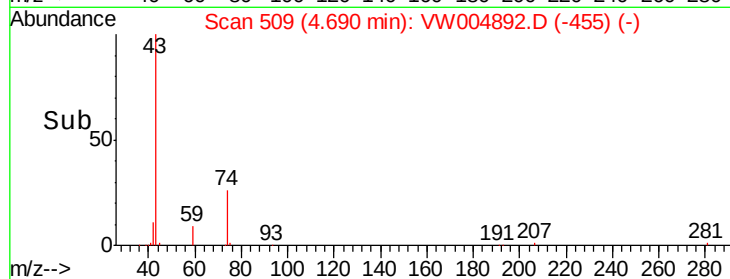
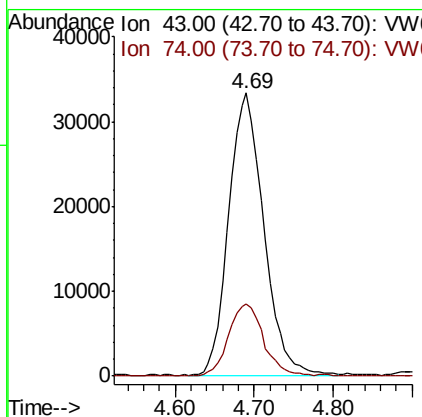
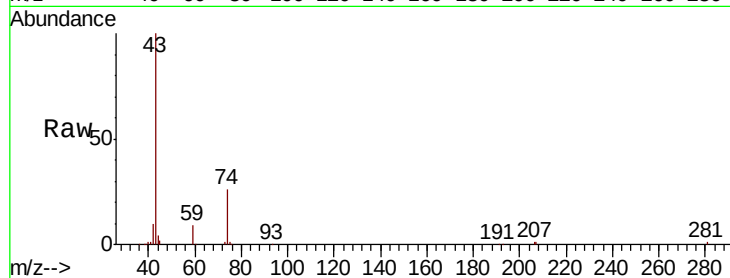




#15
Methvl Acetate
Concen: 28.379 ug/L
RT: 4.69 min Scan# 509
Delta R.T. -0.00 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

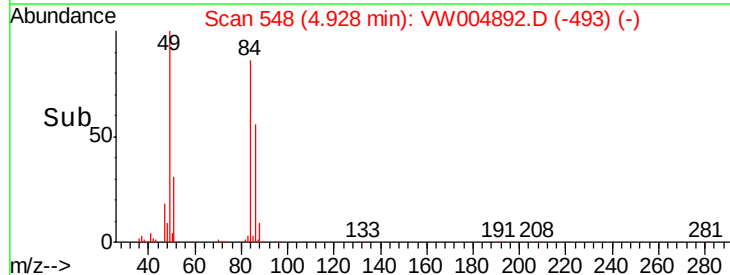
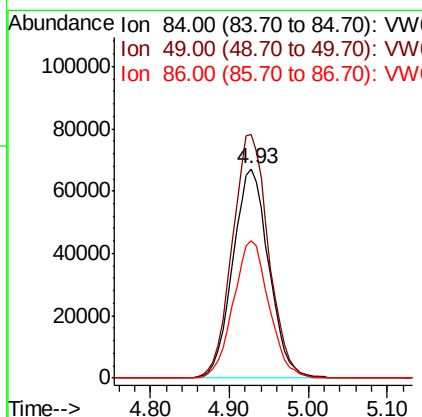
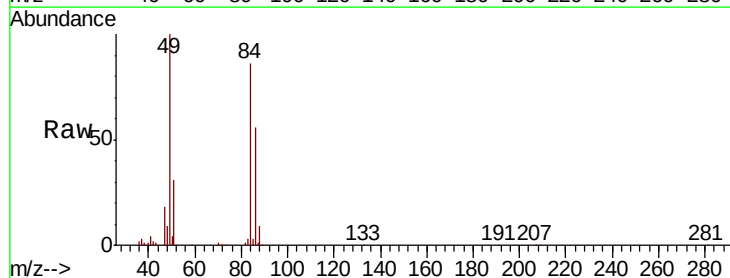
Instrument :
MSVOA_W
ClientSampleId :

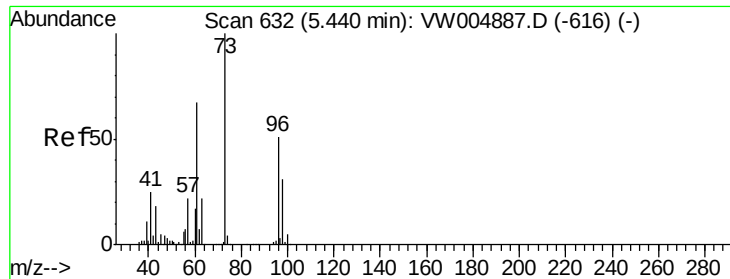
Tot Ion: 43 Resp: 102767
Ion Ratio Lower Upper
43 100
74 25.5 18.6 27.8



#16
Methylene chloride
Concen: 20.437 ug/L
RT: 4.93 min Scan# 548
Delta R.T. 0.01 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

Tgt Ion: 84 Resp: 213007
Ion Ratio Lower Upper
84 100
49 116.3 83.8 155.6
86 65.5 42.6 79.0

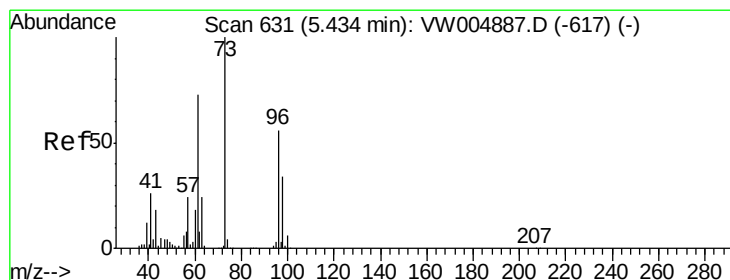
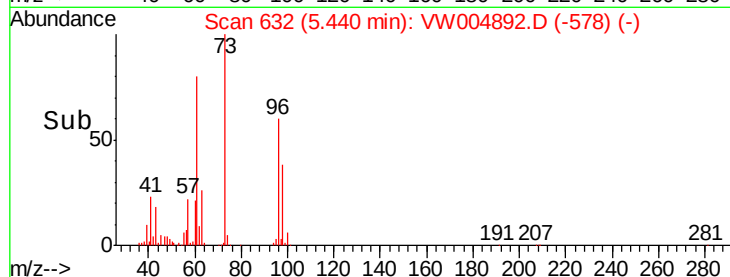
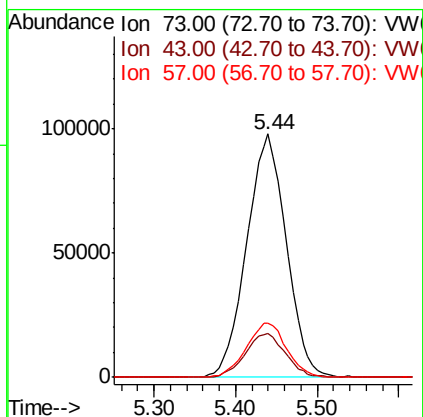
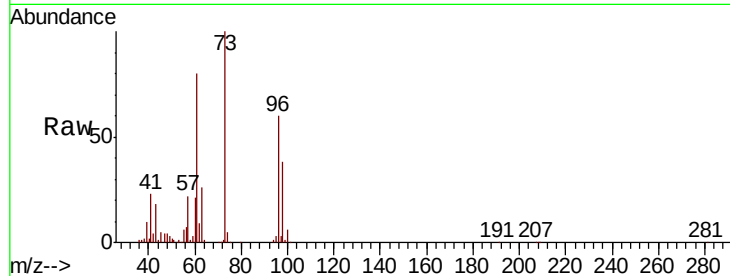




#17
Methyl tert-butyl Ether
Concen: 24.421 ug/L
RT: 5.44 min Scan# 632
Delta R.T. -0.00 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

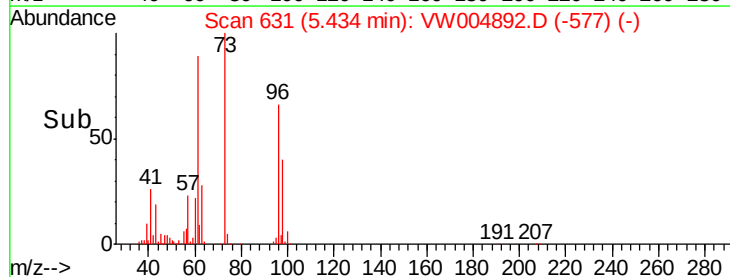
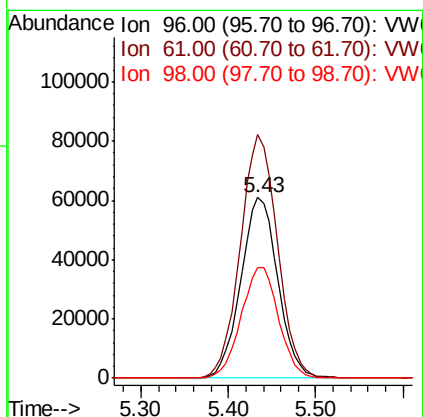
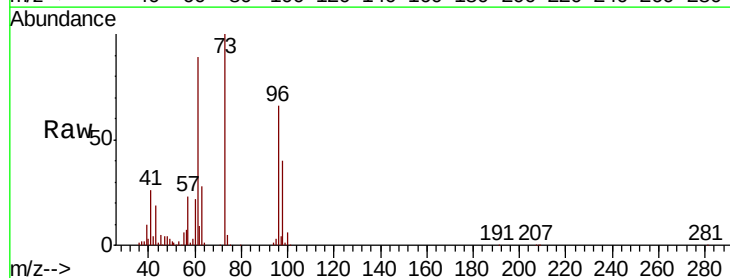
Instrument :
MSVOA_W
ClientSampled :

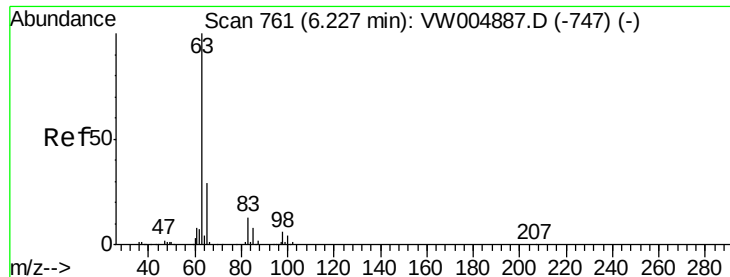
Tot Ion: 73 Resp: 330084
Ion Ratio Lower Upper
73 100
43 18.4 14.6 22.0
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 27.586 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

Tgt Ion: 96 Resp: 179752
Ion Ratio Lower Upper
96 100
61 134.9 92.5 171.9
98 61.1 42.8 79.4

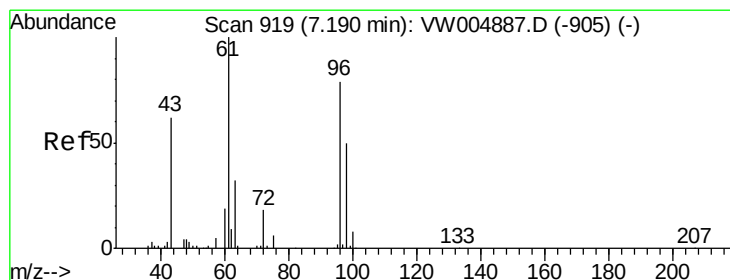
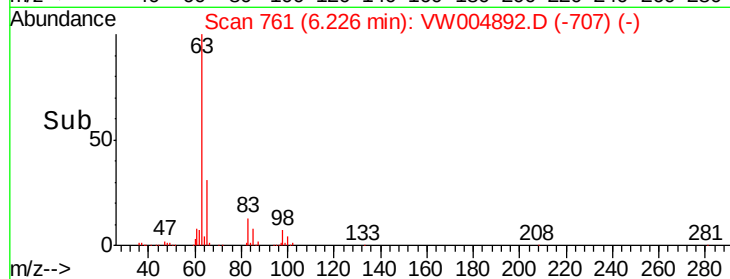
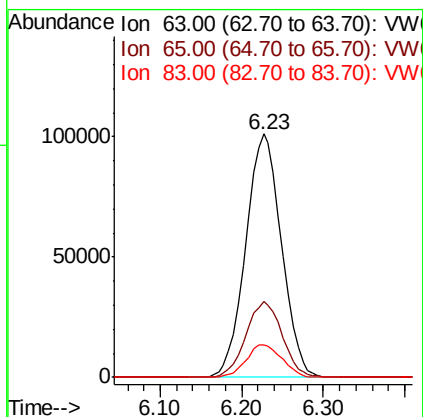
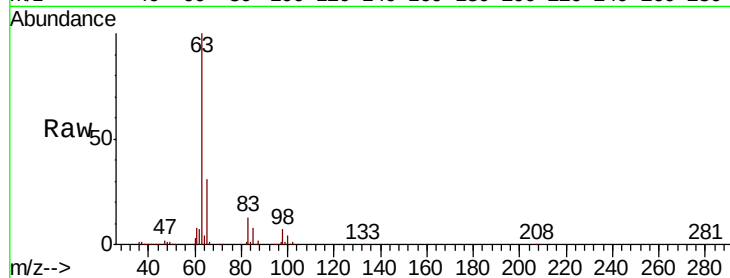




#19
 1,1-Dichloroethane
 Concen: 25.902 ug/L
 RT: 6.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

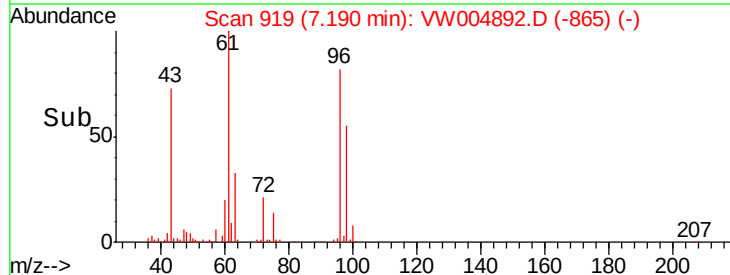
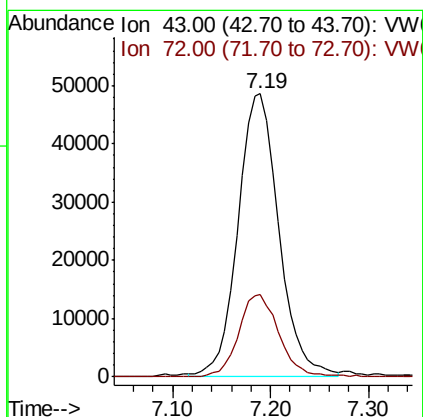
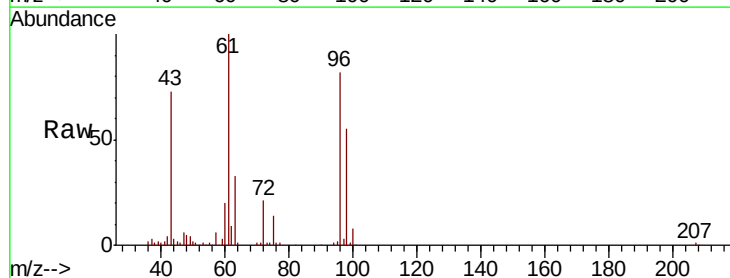
Instrument :
 MSVOA_W
 ClientSampleId :

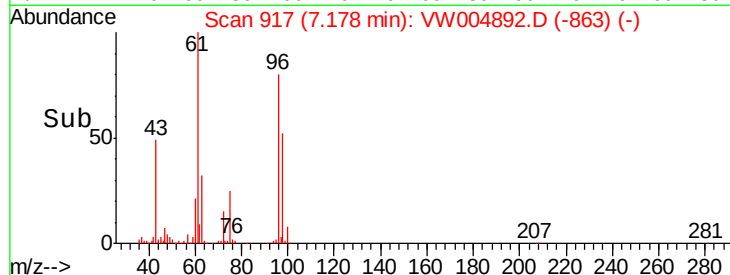
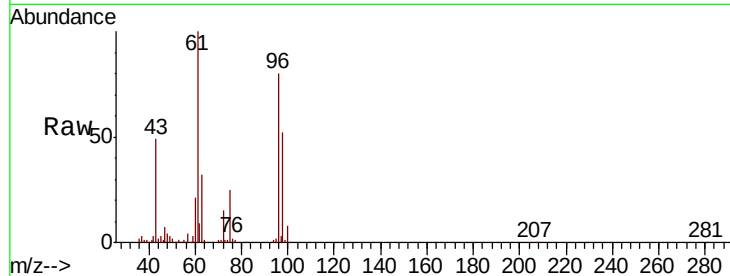
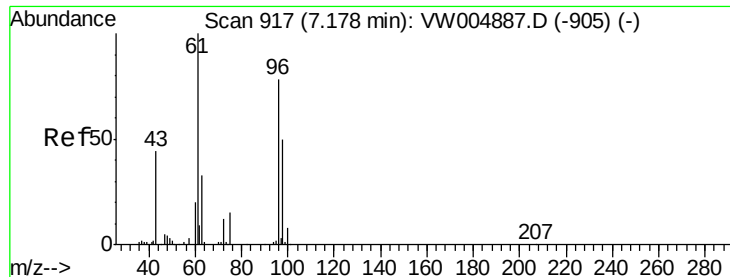
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	20.5	38.1
83	13.1	8.8	16.4



#21
 2-Butanone
 Concen: 57.234 ug/L
 RT: 7.19 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

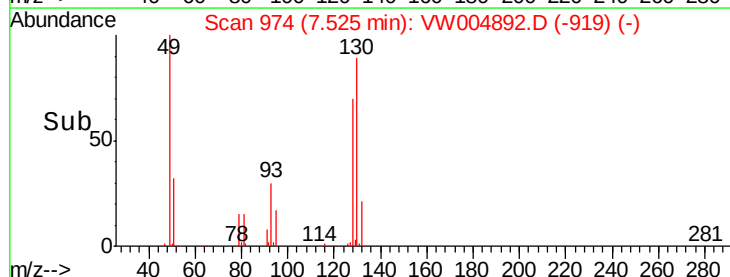
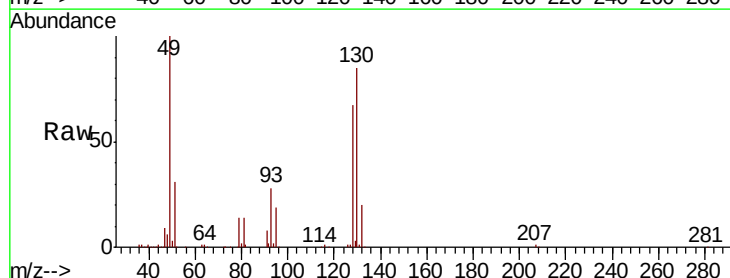
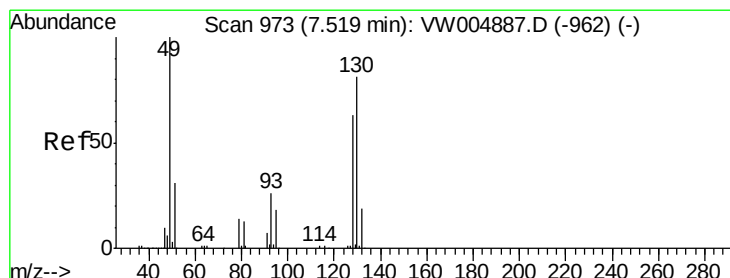
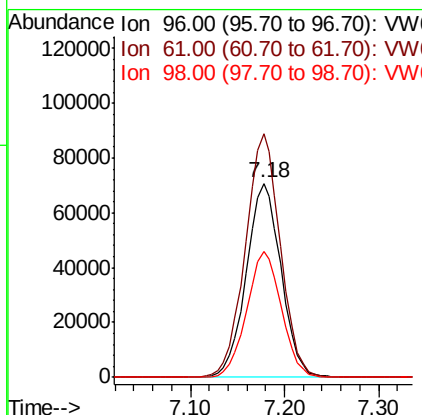
Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.5	14.2	42.8





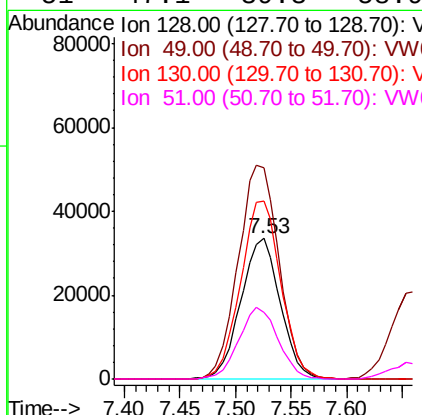
#22
 cis-1,2-Dichloroethene
 Concen: 26.045 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

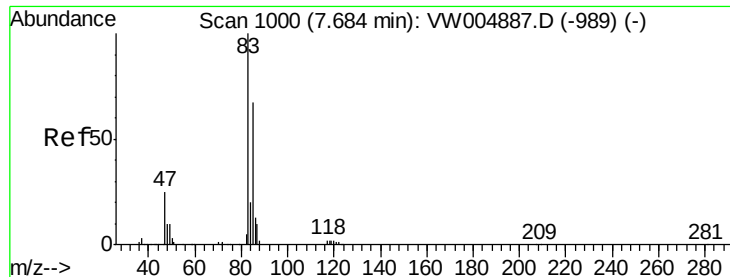
Tot Ion	96	Resp	183134
Ion Ratio	Lower	Upper	
96	100		
61	125.4	89.7	166.7
98	64.8	45.0	83.6



#23
 Bromochloromethane
 Concen: 22.272 ug/L
 RT: 7.53 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Tgt Ion	128	Resp	82694
Ion Ratio	Lower	Upper	
128	100		
49	150.1	111.3	206.7
130	126.9	90.2	167.6
51	47.1	39.3	58.9





#25

Chloroform

Concen: 25.289 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

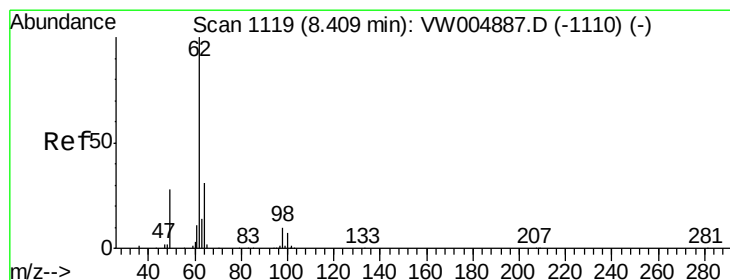
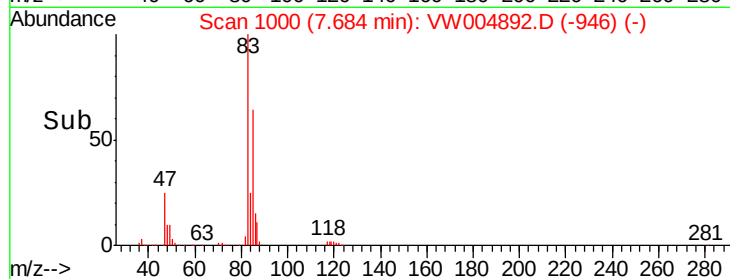
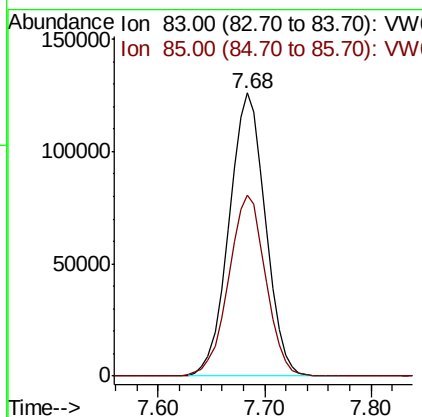
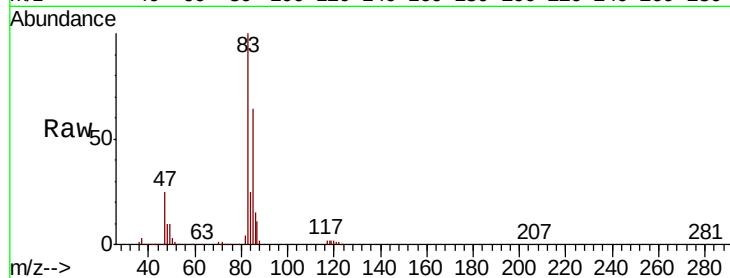
ClientSampleId :

Tot Ion: 83 Resp: 301475

Ion Ratio Lower Upper

83 100

85 65.3 46.3 85.9



#27

1,2-Dichloroethane

Concen: 23.696 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VW004892.D

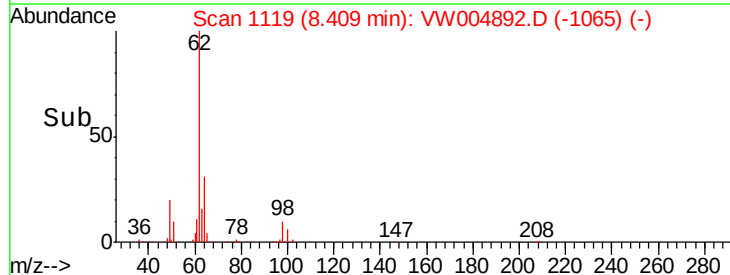
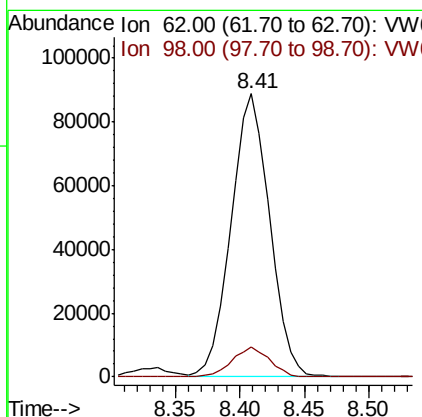
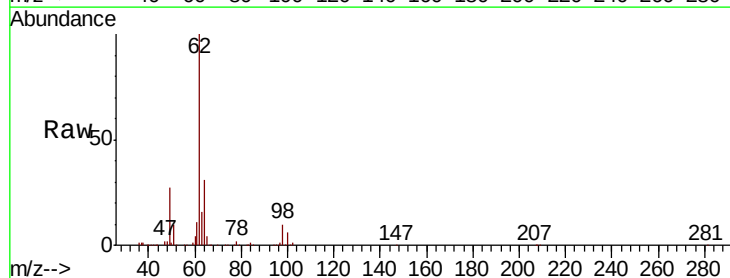
Acq: 23 Aug 2018 09:56

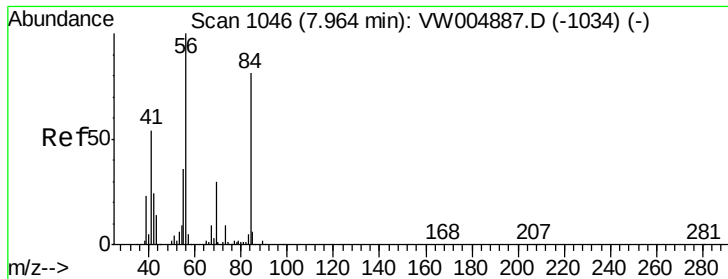
Tgt Ion: 62 Resp: 185160

Ion Ratio Lower Upper

62 100

98 10.4 8.0 12.0

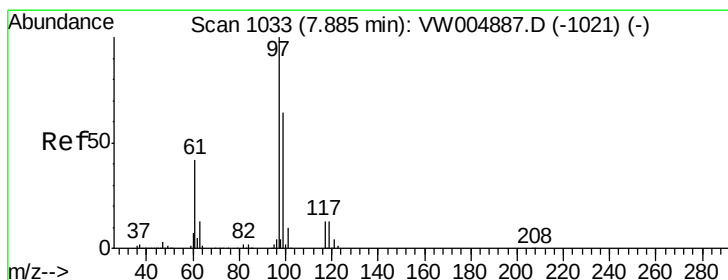
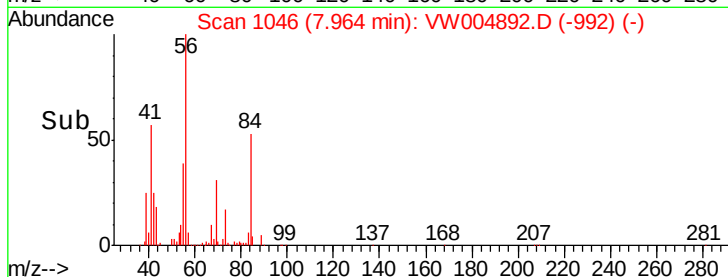
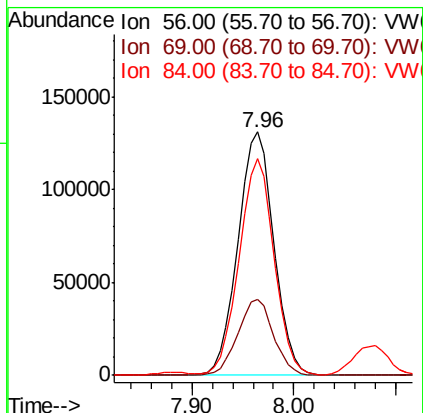
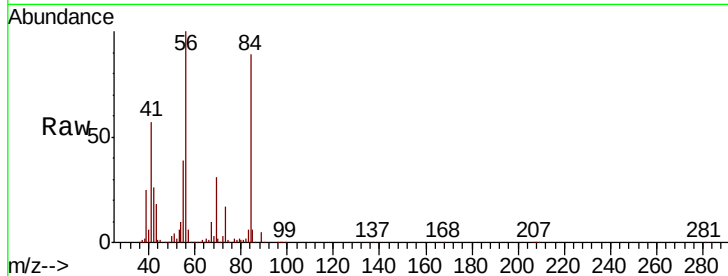




#30
Cyclohexane
Concen: 28.829 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

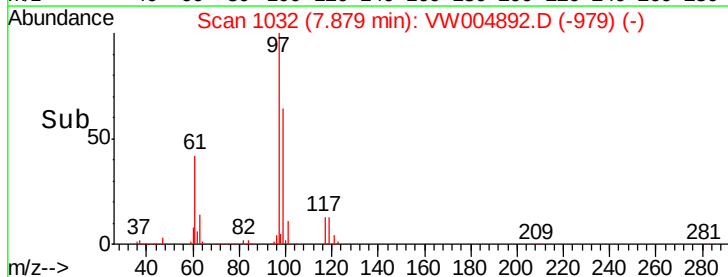
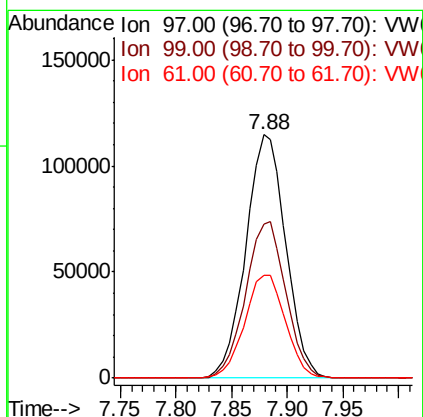
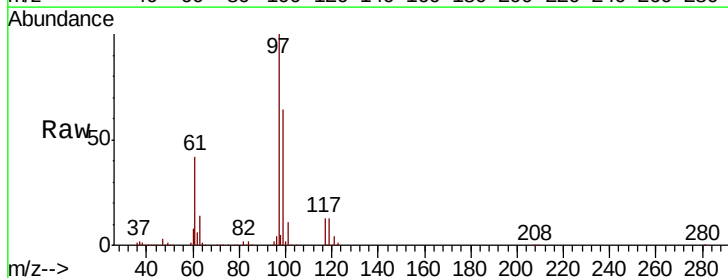
Instrument :
MSVOA_W
ClientSampleId :

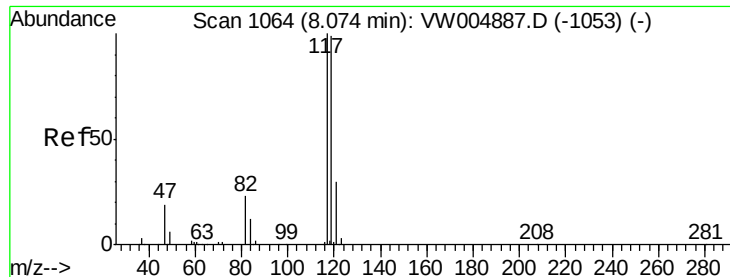
Tot Ion: 56 Resp: 320830
Ion Ratio Lower Upper
56 100
69 30.9 24.1 36.1
84 87.1 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 28.437 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

Tgt Ion: 97 Resp: 286339
Ion Ratio Lower Upper
97 100
99 64.7 51.2 76.8
61 43.3 34.9 52.3





#32

Carbon tetrachloride

Concen: 28.609 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

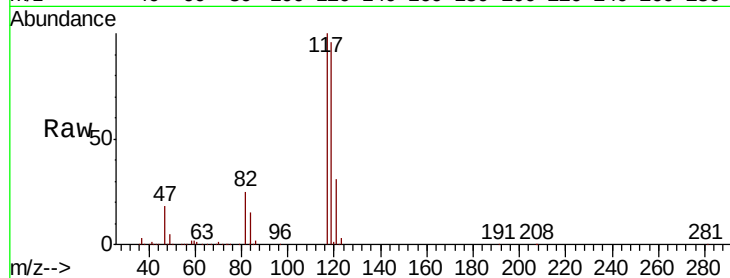
ClientSampleId :

Tot Ion:117 Resp: 257666

Ion Ratio Lower Upper

117 100

119 96.7 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

120000

100000

80000

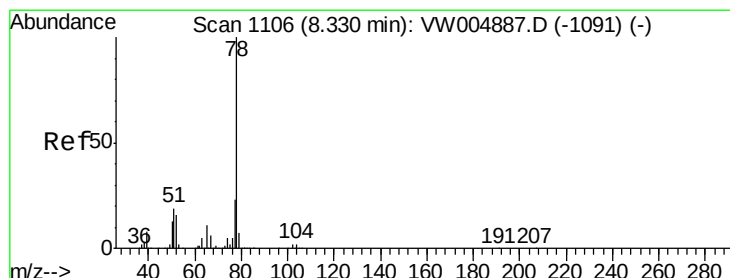
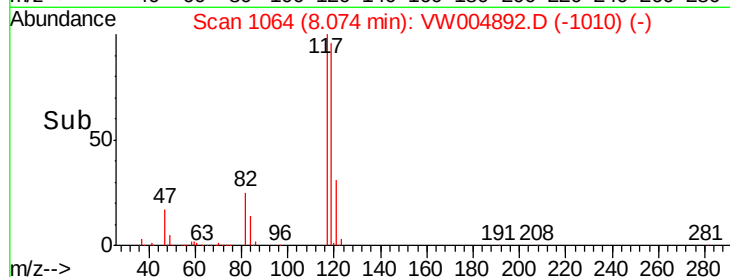
60000

40000

20000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#34

Benzene

Concen: 26.948 ug/L

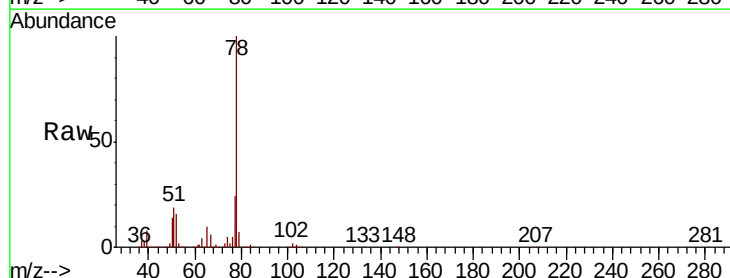
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Tgt Ion: 78 Resp: 803276



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

400000

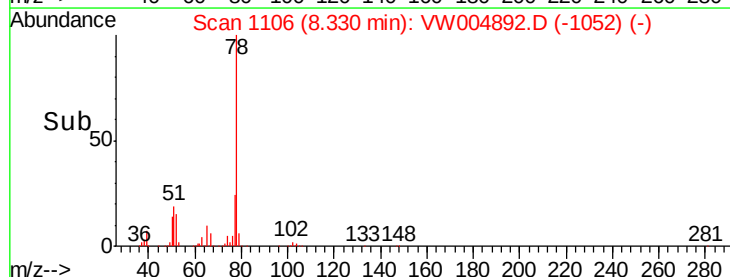
300000

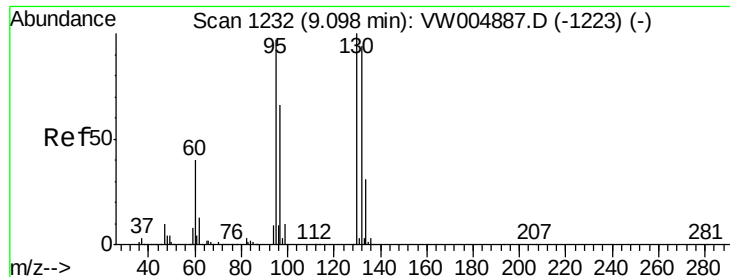
200000

100000

0

Time--> 8.20 8.30 8.40 8.50





#35

Trichloroethene

Concen: 26.402 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 195697

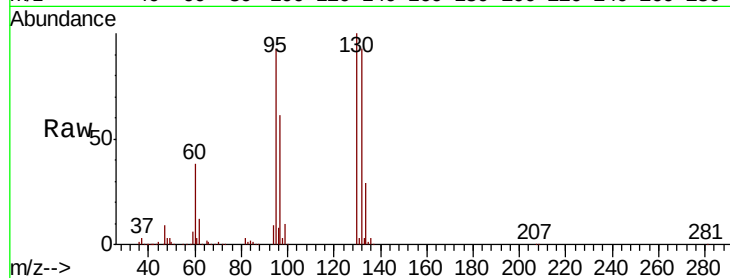
Ion Ratio Lower Upper

95 100

97 65.7 45.9 85.3

132 101.4 69.2 128.4

130 105.1 72.7 135.1



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

150000

100000

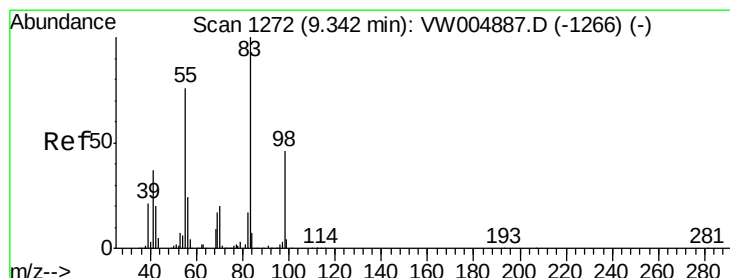
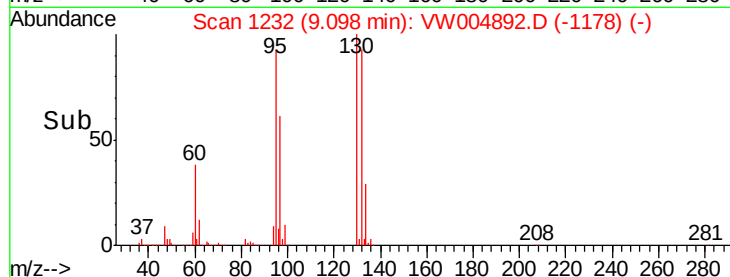
50000

0

9.10

9.05 9.10 9.15 9.20

Time-->



#36

Methylcyclohexane

Concen: 27.454 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

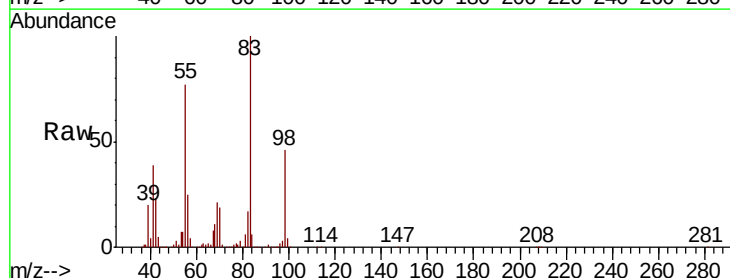
Tgt Ion: 83 Resp: 376383

Ion Ratio Lower Upper

83 100

55 76.3 61.1 91.7

98 46.4 37.0 55.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

250000

200000

150000

100000

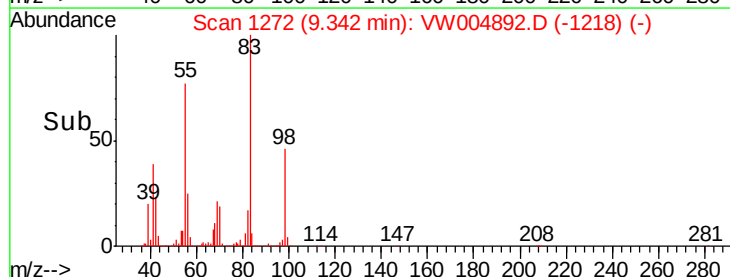
50000

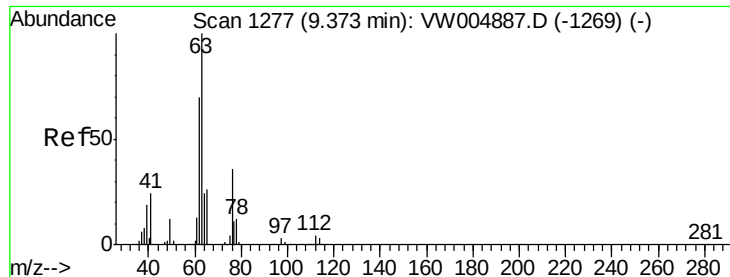
0

9.34

9.30 9.35 9.40 9.45

Time-->

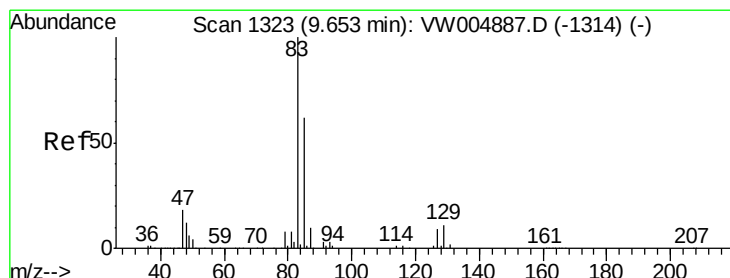
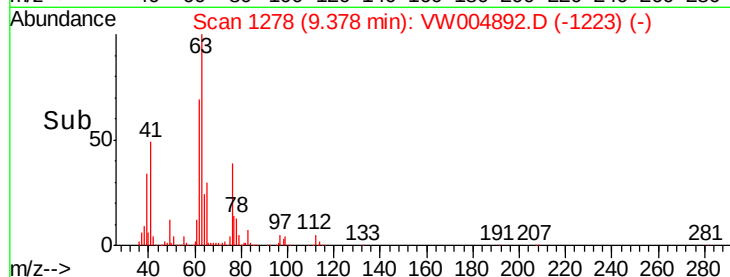
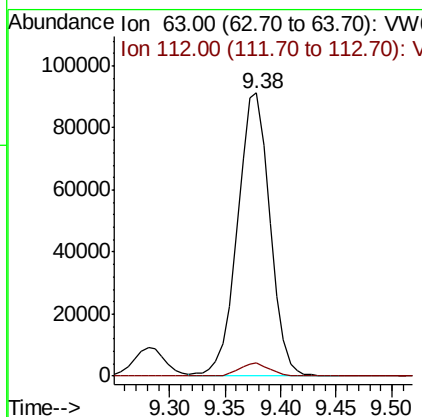
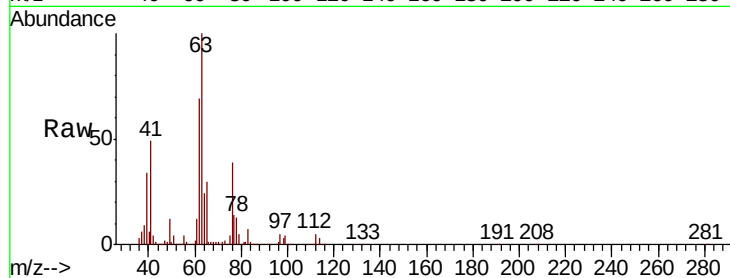




#40
 1,2-Dichloropropane
 Concen: 25.261 ug/L
 RT: 9.38 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

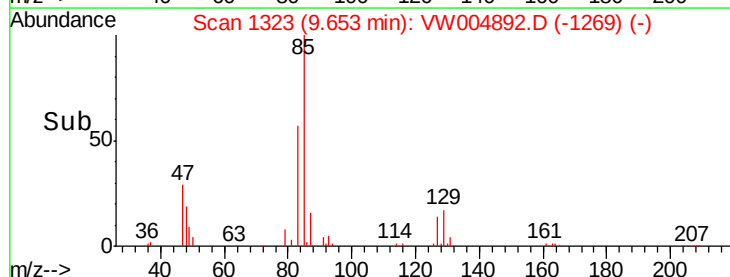
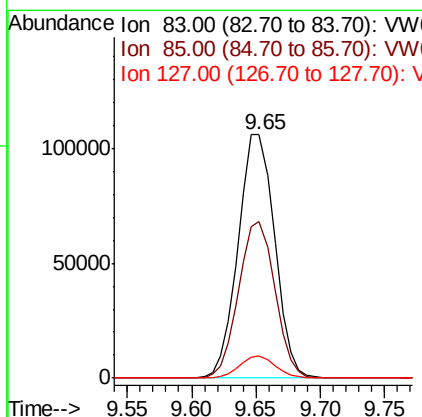
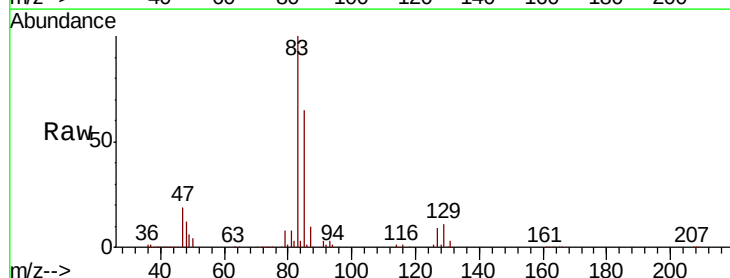
Instrument :
 MSVOA_W
 ClientSampled :

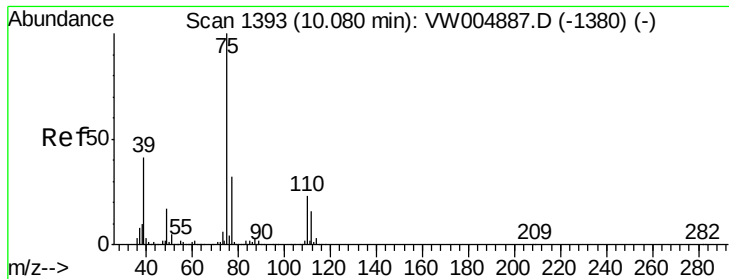
Tot Ion: 63 Resp: 185229
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.2 4.8



#41
 Bromodichloromethane
 Concen: 25.922 ug/L
 RT: 9.65 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Tgt Ion: 83 Resp: 209439
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.6 81.0
 127 9.1 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.259 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

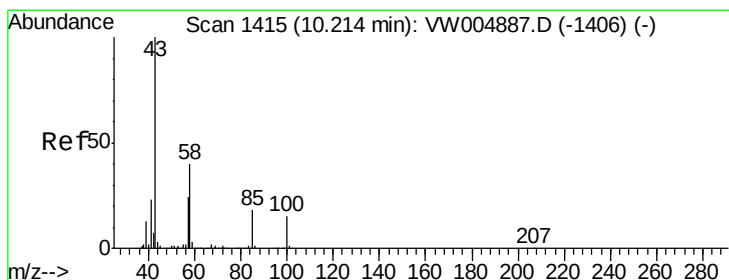
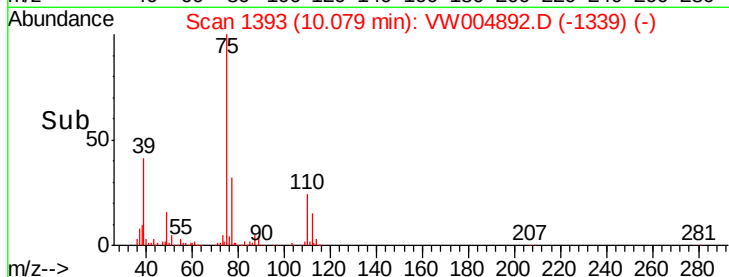
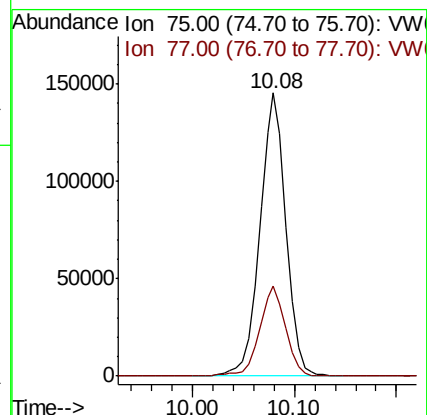
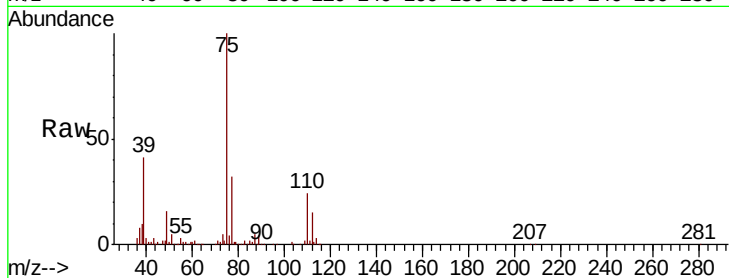
ClientSampled :

Tot Ion: 75 Resp: 257102

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 54.206 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

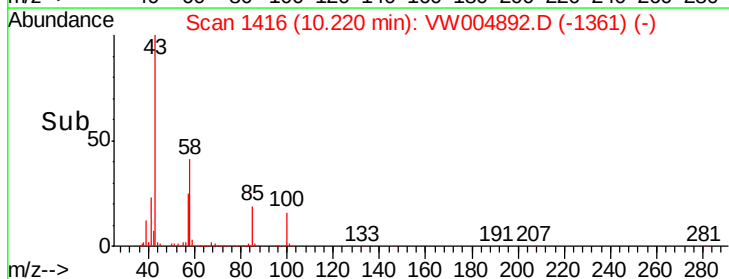
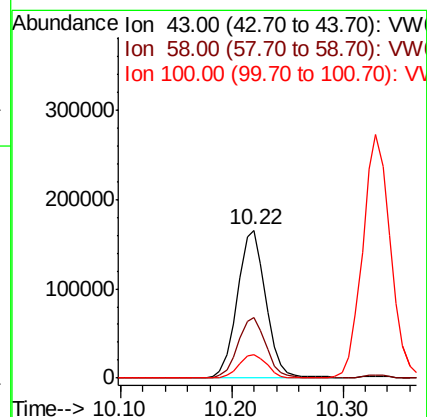
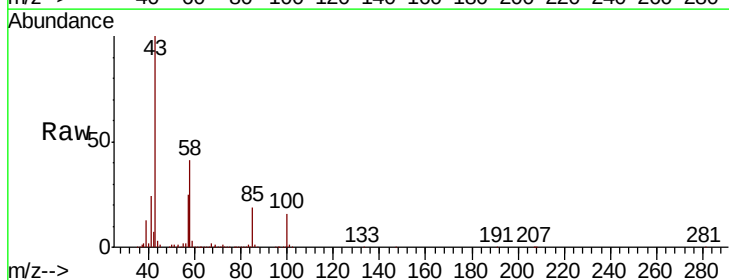
Tgt Ion: 43 Resp: 293415

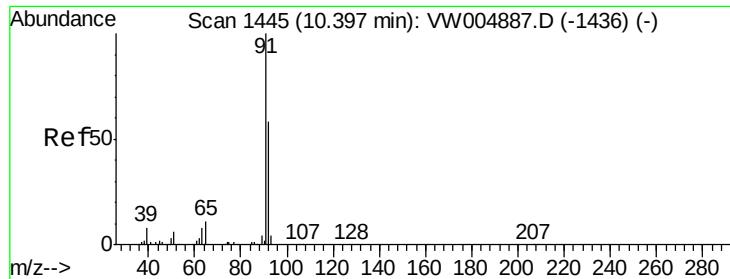
Ion Ratio Lower Upper

43 100

58 40.3 32.1 48.1

100 15.8 12.6 18.8





#44

Toluene

Concen: 27.437 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

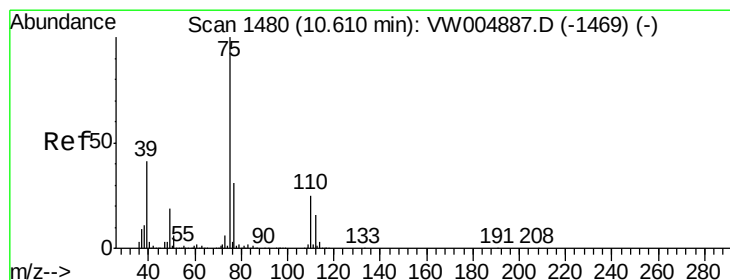
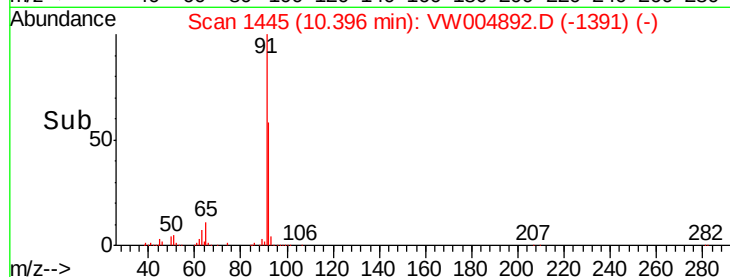
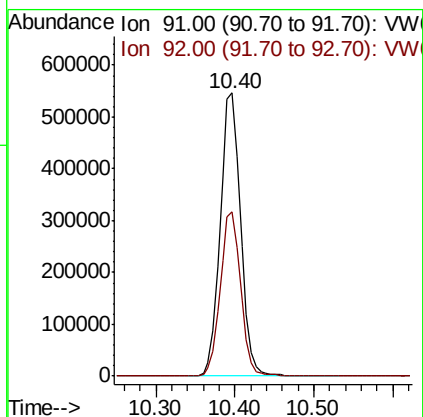
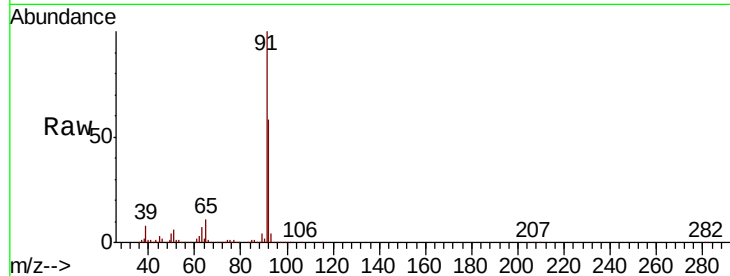
ClientSampled :

Tot Ion: 91 Resp: 982186

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 24.423 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004892.D

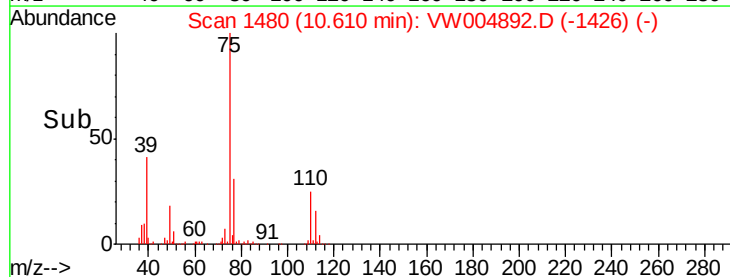
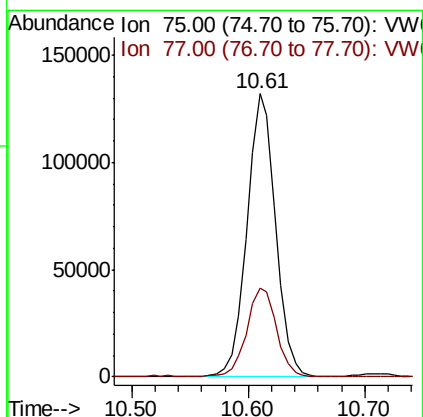
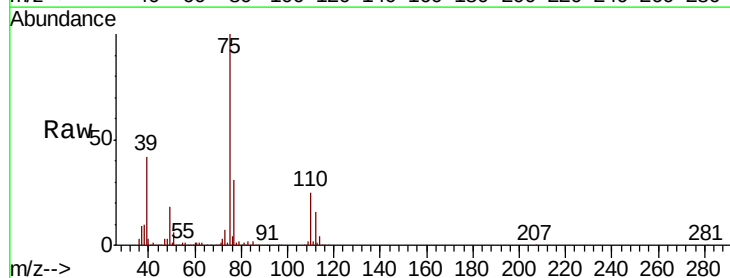
Acq: 23 Aug 2018 09:56

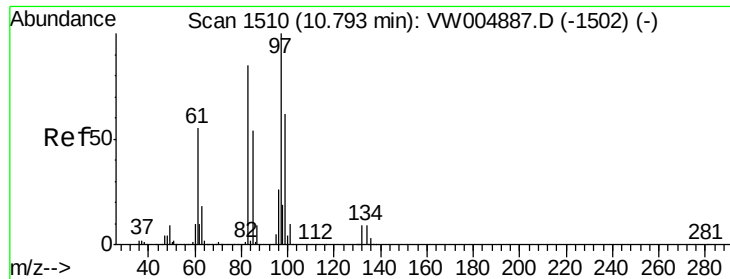
Tgt Ion: 75 Resp: 225455

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2

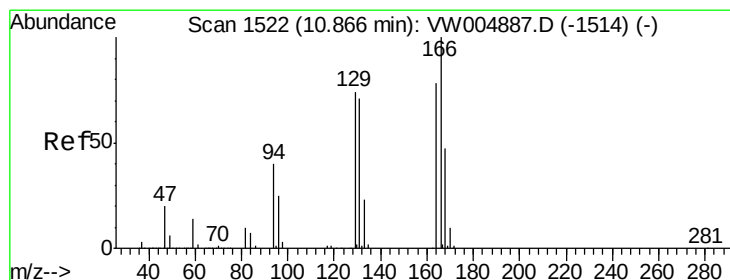
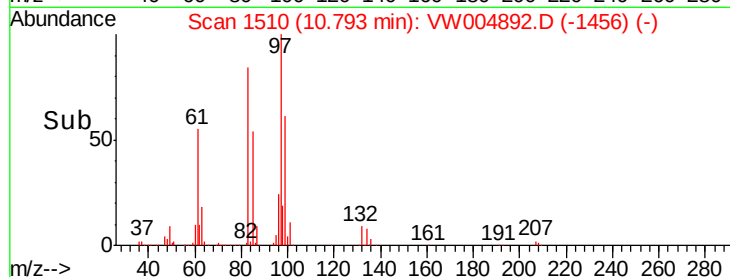
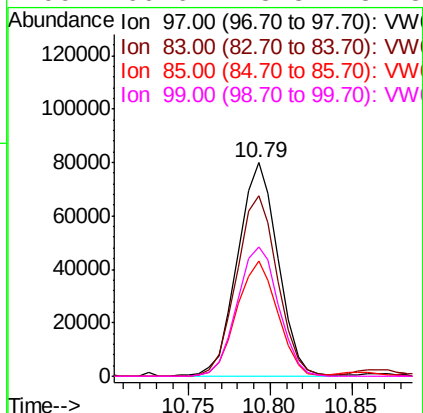
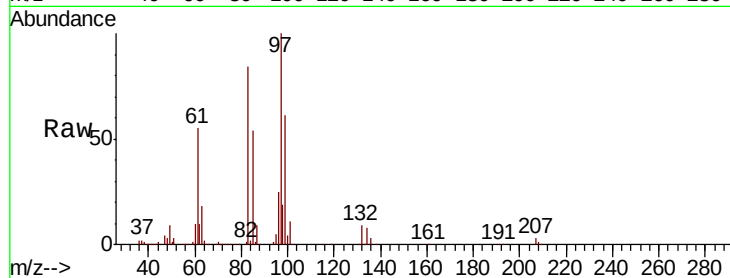




#46
 1,1,2-Trichloroethane
 Concen: 24.096 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

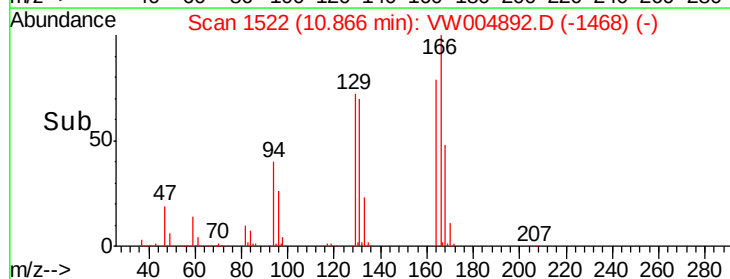
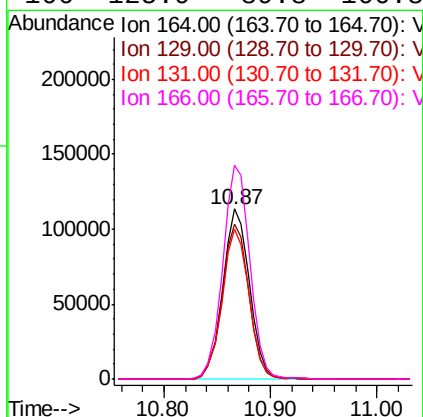
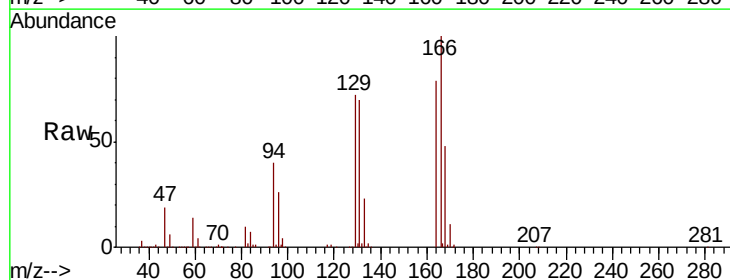
Instrument :
 MSVOA_W
 ClientSampleId :

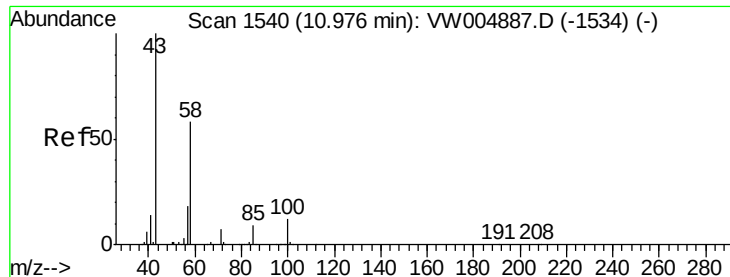
Tot Ion:	97	Resp:	137911
Ion	Ratio	Lower	Upper
97	100		
83	84.4	59.6	110.8
85	53.7	38.1	70.9
99	60.6	43.8	81.3



#47
 Tetrachloroethene
 Concen: 27.517 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Tgt Ion:	164	Resp:	199677
Ion	Ratio	Lower	Upper
164	100		
129	91.1	66.8	124.0
131	88.4	64.0	119.0
166	125.9	89.8	166.8

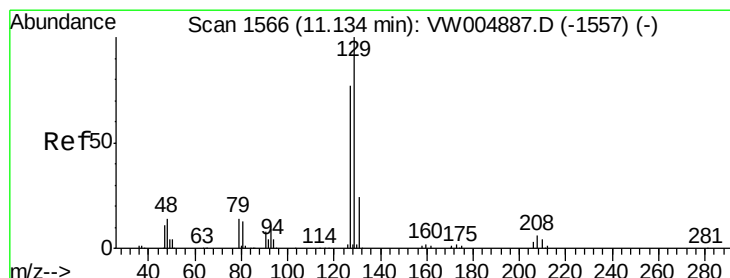
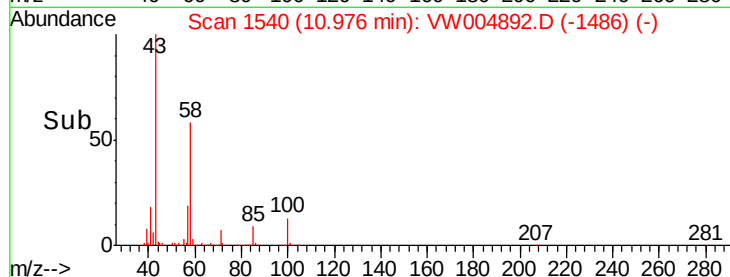
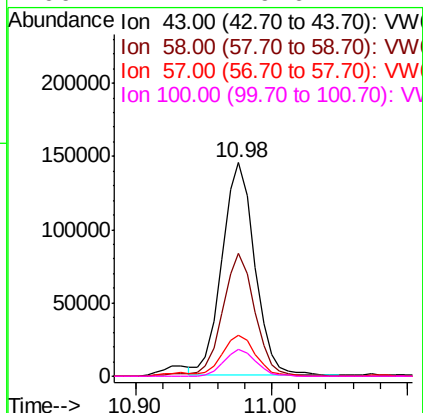
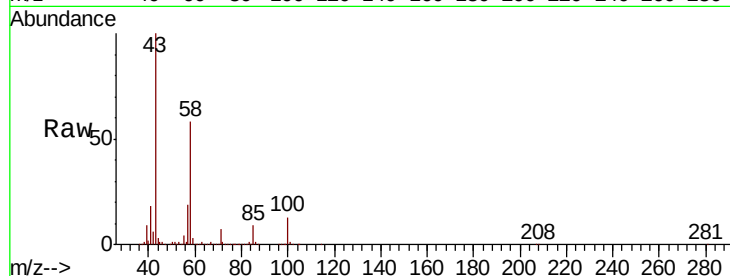




#49
2-Hexanone
Concen: 58.077 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

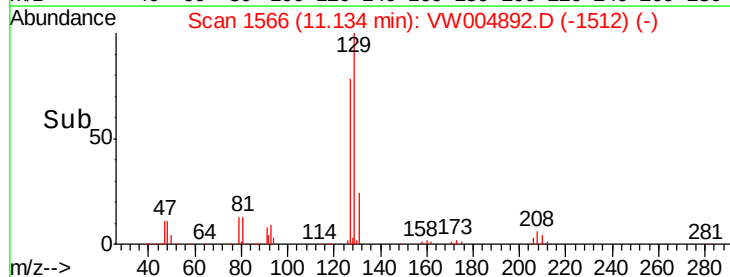
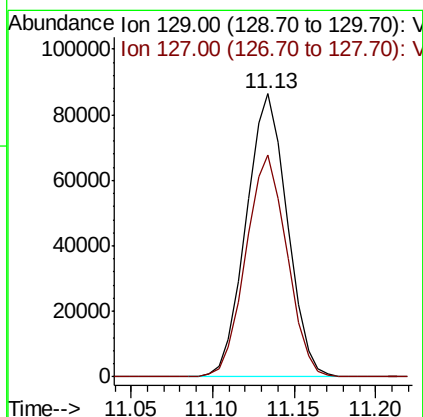
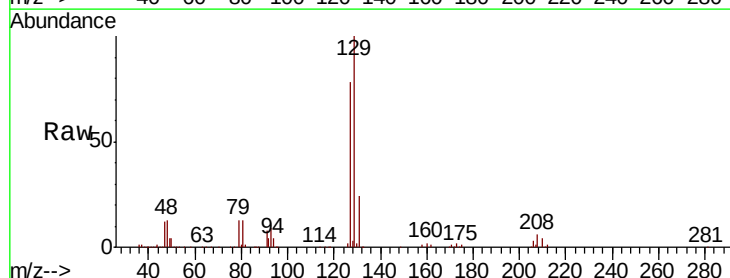
Instrument :
MSVOA_W
ClientSampled :

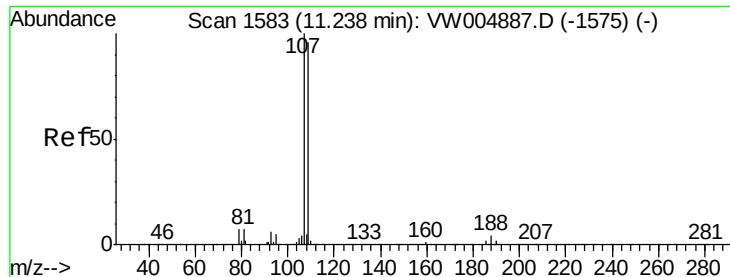
Tot Ion: 43 Resp: 242938
Ion Ratio Lower Upper
43 100
58 57.9 44.6 67.0
57 19.8 15.4 23.2
100 12.2 9.6 14.4



#50
Dibromochloromethane
Concen: 23.800 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004892.D
Acq: 23 Aug 2018 09:56

Tgt Ion: 129 Resp: 151228
Ion Ratio Lower Upper
129 100
127 78.4 53.8 99.8

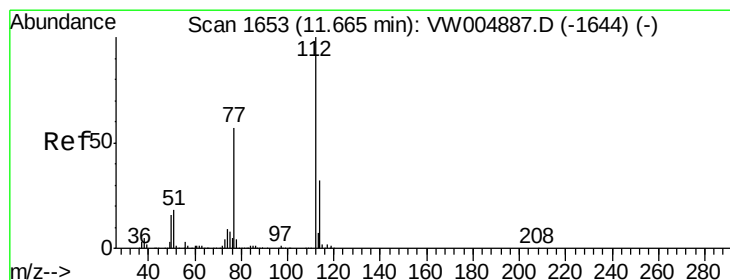
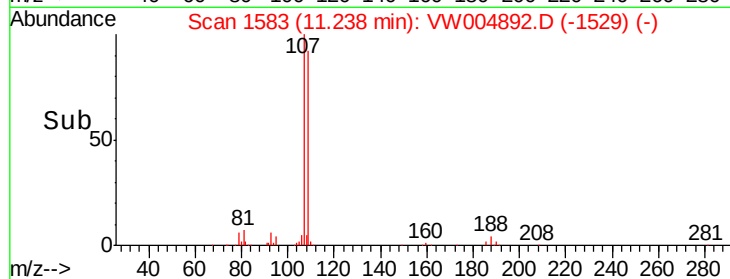
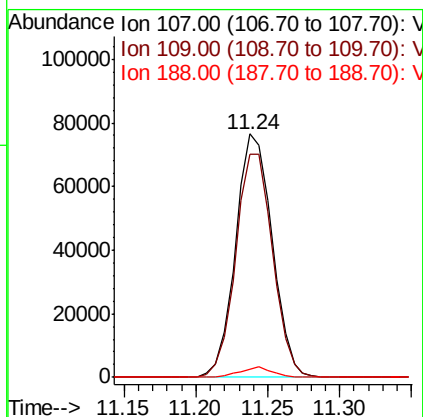
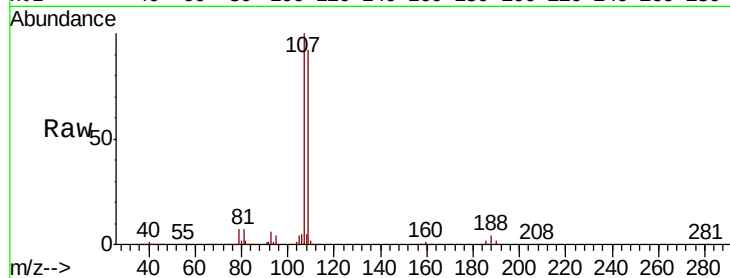




#51
 1,2-Dibromoethane
 Concen: 24.066 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

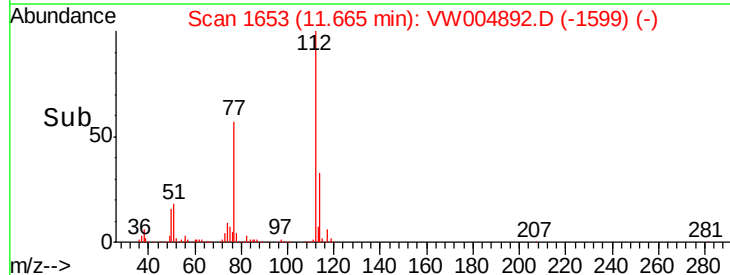
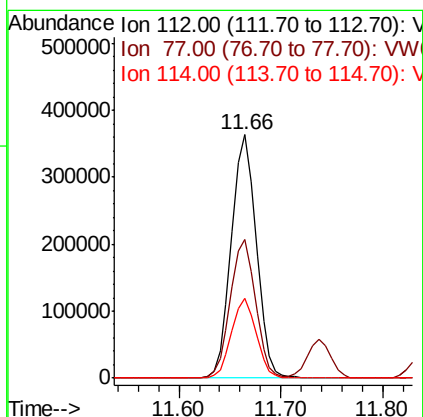
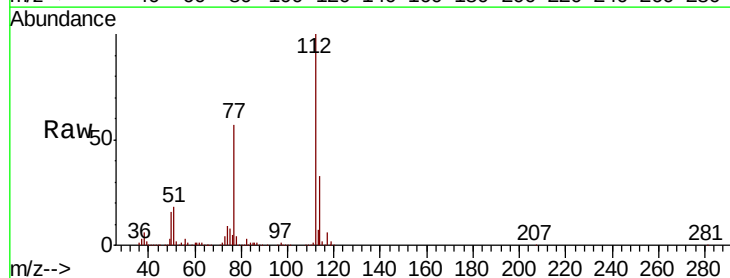
Instrument :
 MSVOA_W
 ClientSampled :

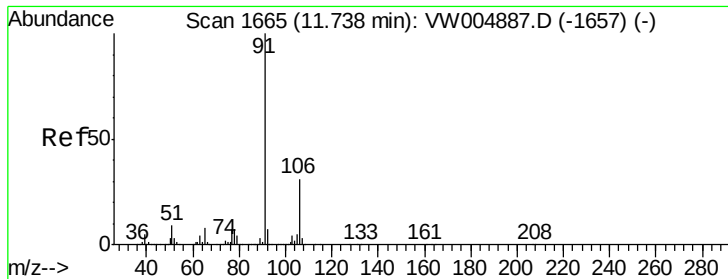
Tot Ion	107	Resp	135209
Ion Ratio	Lower	Upper	
107	100		
109	91.5	67.3	124.9
188	3.5	3.0	4.6



#52
 Chlorobenzene
 Concen: 25.848 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Tgt Ion	112	Resp	614654
Ion Ratio	Lower	Upper	
112	100		
77	56.8	45.8	68.8
114	32.6	22.5	41.7





#53

Ethylbenzene

Concen: 27.342 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

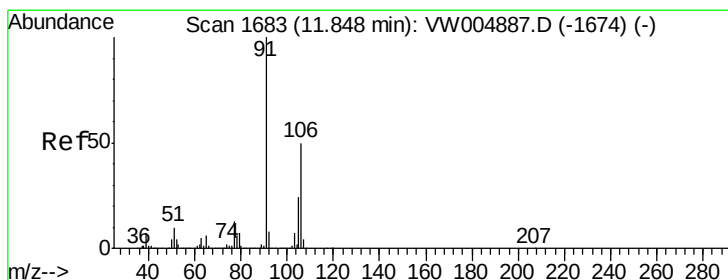
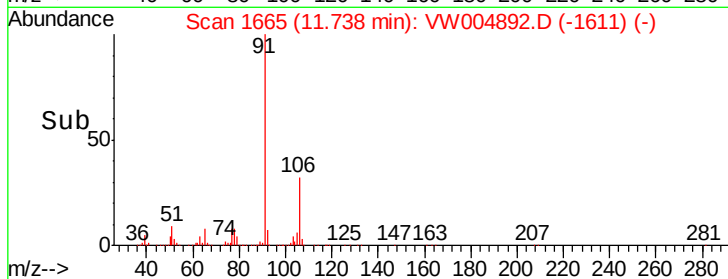
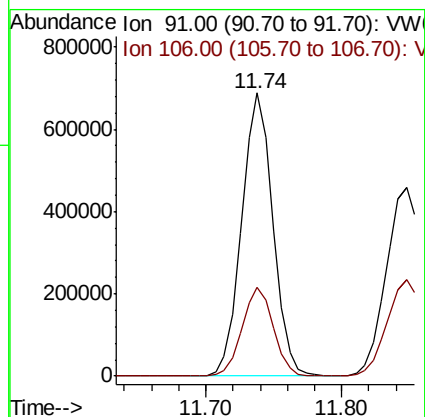
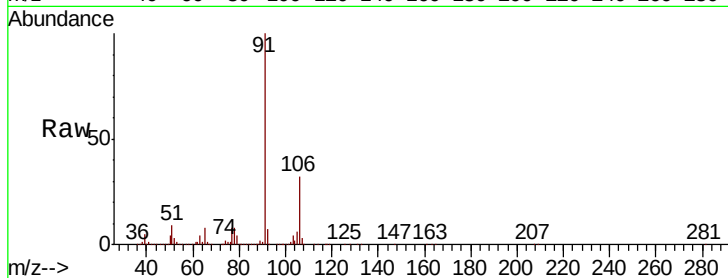
ClientSampleId :

Tot Ion: 91 Resp: 1101375

Ion Ratio Lower Upper

91 100

106 31.5 21.6 40.2



#54

m,p-Xylene

Concen: 28.131 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004892.D

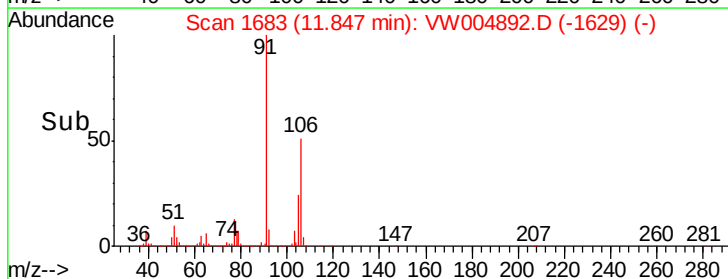
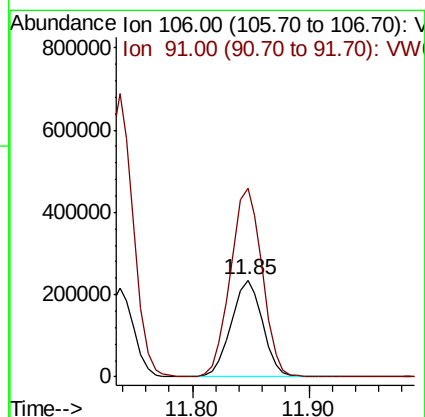
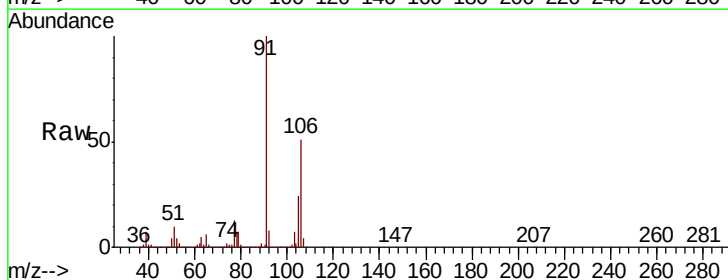
Acq: 23 Aug 2018 09:56

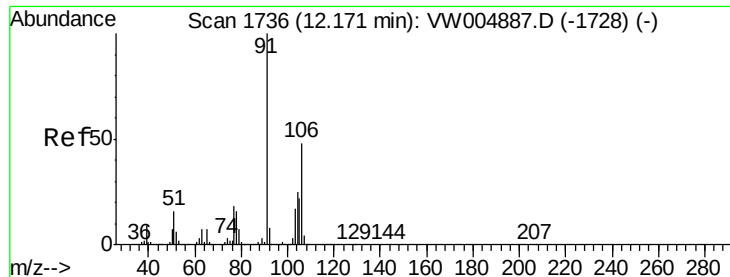
Tgt Ion: 106 Resp: 439595

Ion Ratio Lower Upper

106 100

91 194.7 141.4 262.6





#55

o-xylene

Concen: 27.491 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

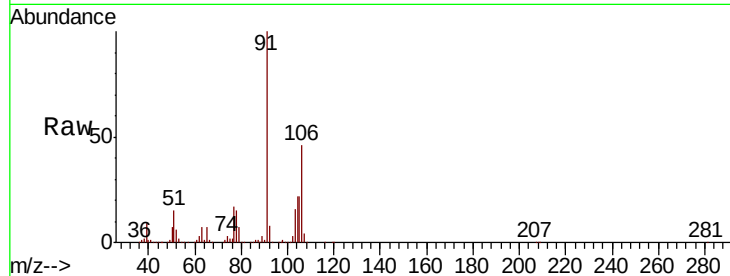
ClientSampled :

Tot Ion:106 Resp: 401394

Ion Ratio Lower Upper

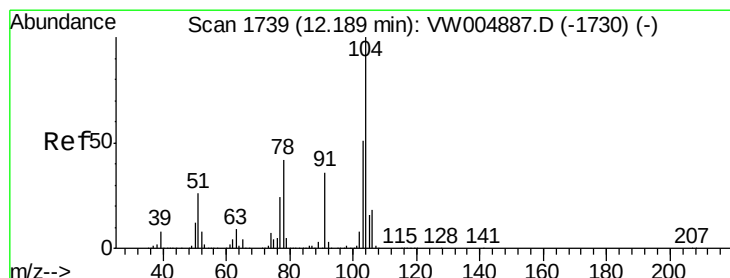
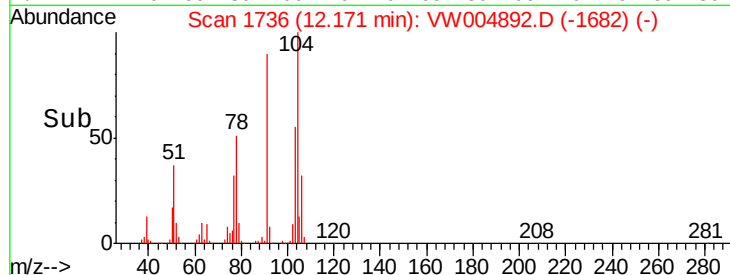
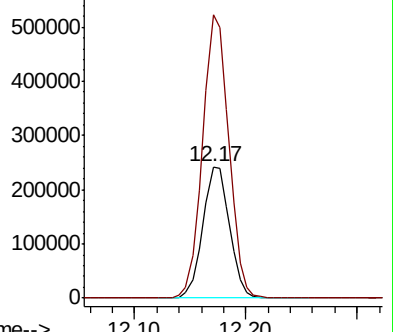
106 100

91 215.3 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.340 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004892.D

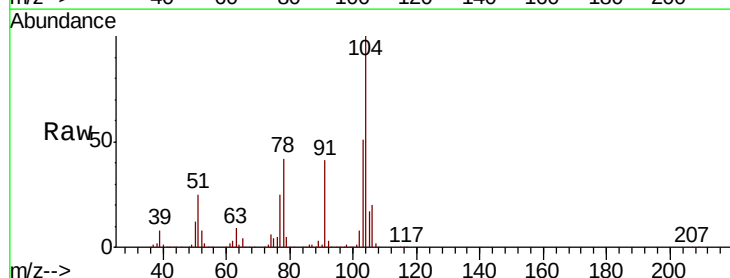
Acq: 23 Aug 2018 09:56

Tgt Ion:104 Resp: 685874

Ion Ratio Lower Upper

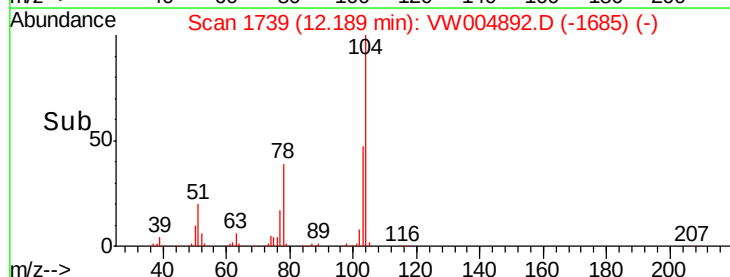
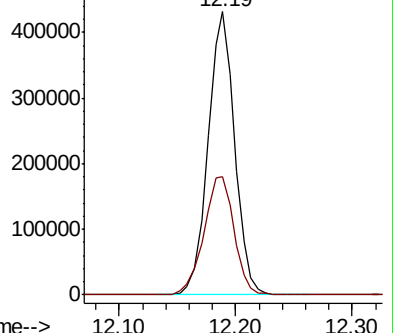
104 100

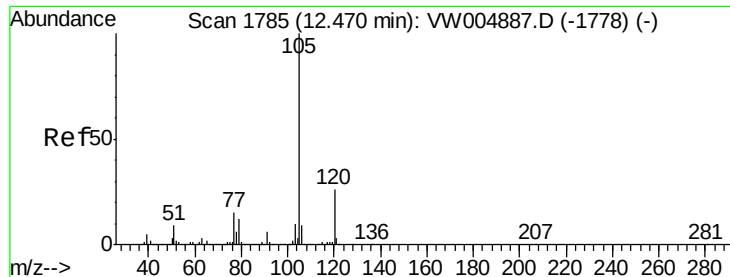
78 41.7 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.343 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

ClientSampleId :

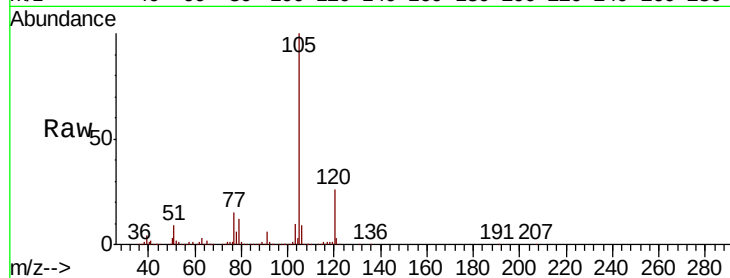
Tot Ion:105 Resp: 1105366

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

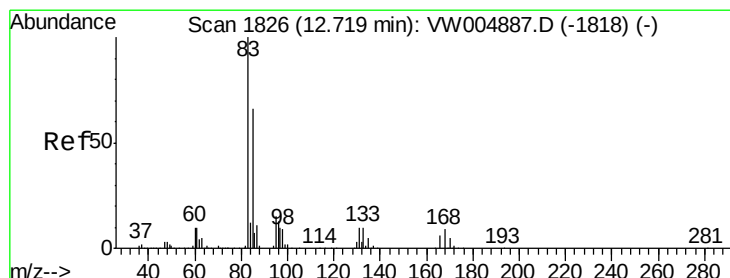
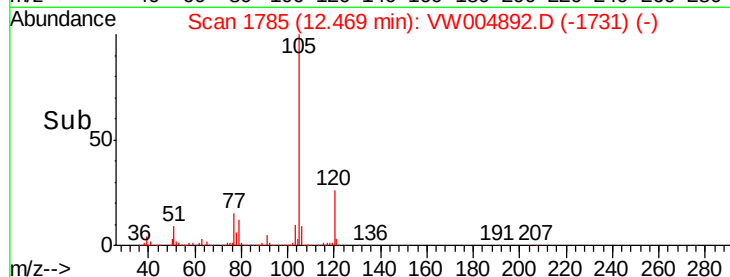
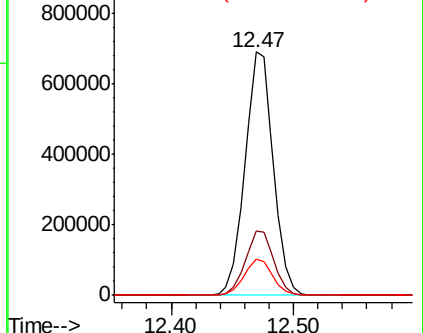
77 14.8 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.584 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

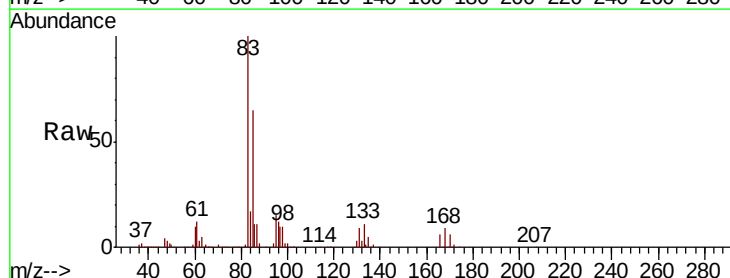
Tgt Ion: 83 Resp: 200535

Ion Ratio Lower Upper

83 100

85 65.0 46.3 85.9

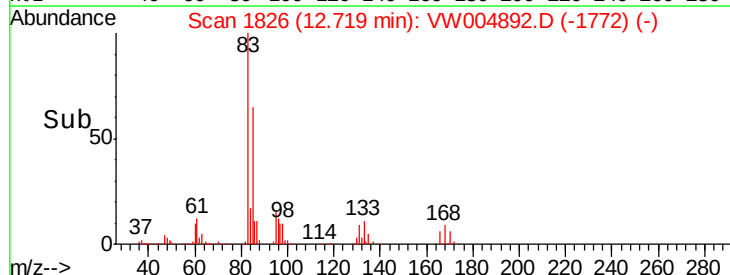
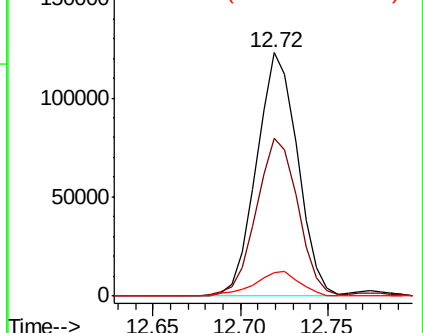
131 9.4 7.8 11.6

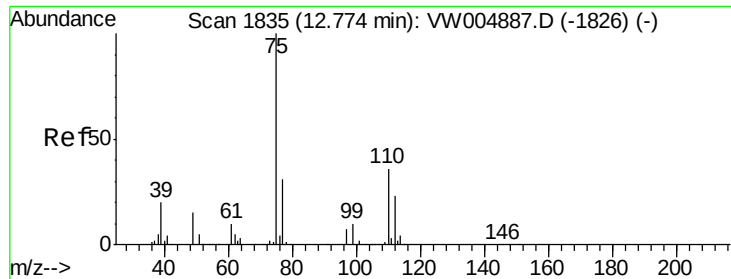


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.757 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

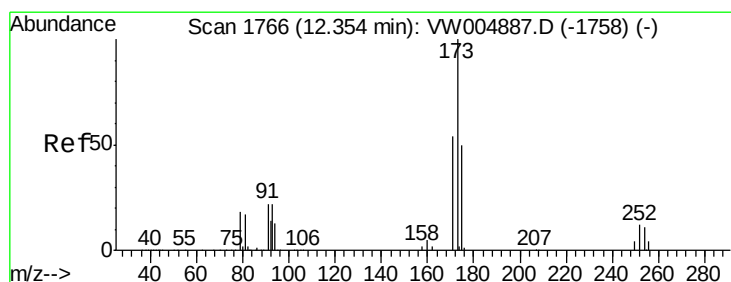
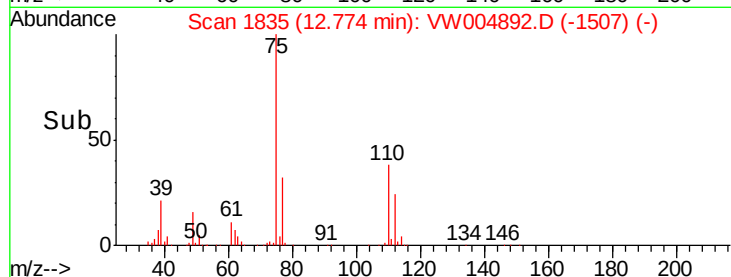
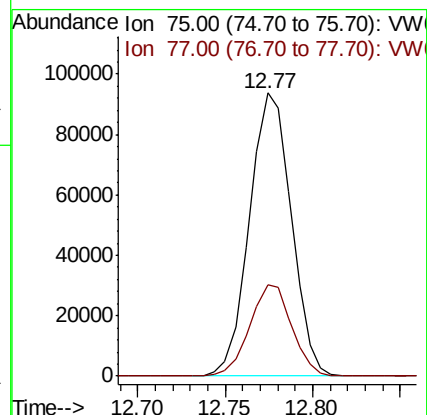
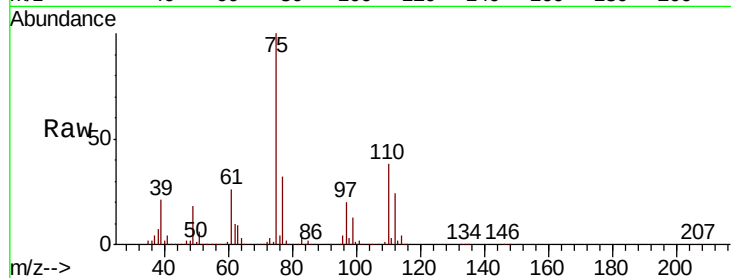
ClientSampleId :

Tot Ion: 75 Resp: 155613

Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9



#62

Bromoform

Concen: 24.058 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

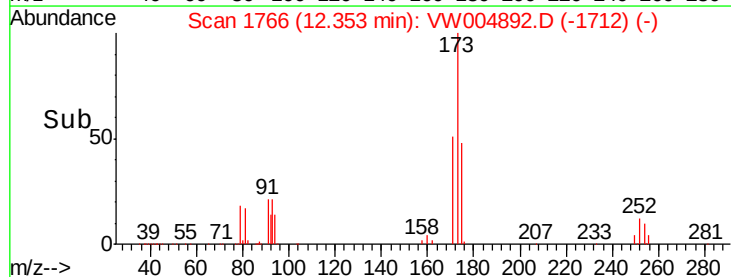
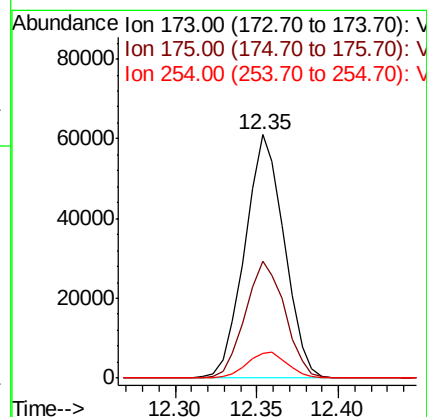
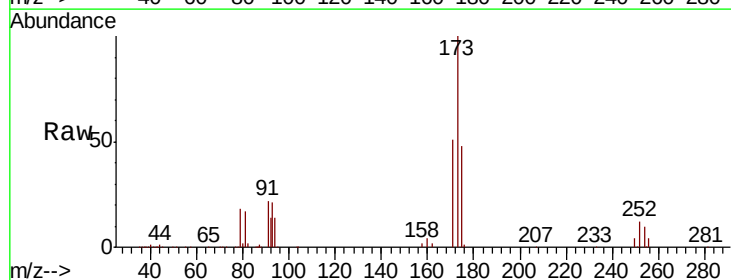
Tgt Ion: 173 Resp: 102906

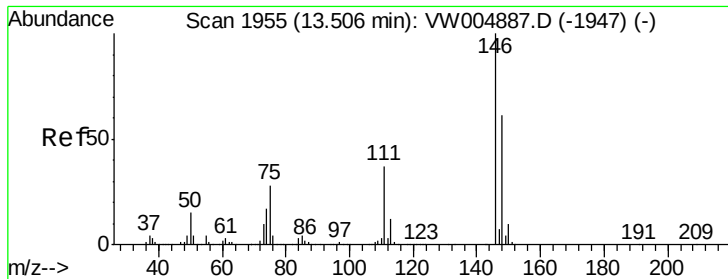
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

254 10.9 9.0 13.6





#63

1,3-Dichlorobenzene

Concen: 26.106 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

ClientSampled :

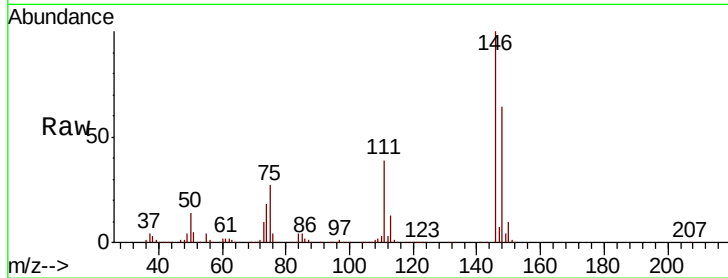
Tot Ion:146 Resp: 485221

Ion Ratio Lower Upper

146 100

111 38.7 25.6 47.6

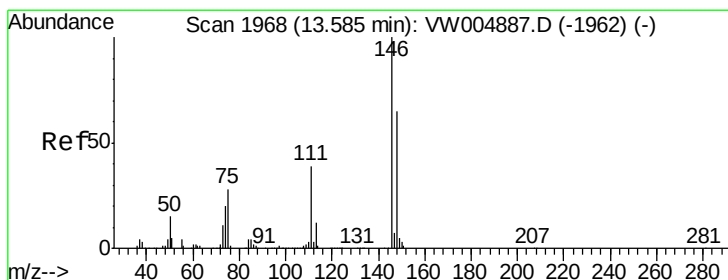
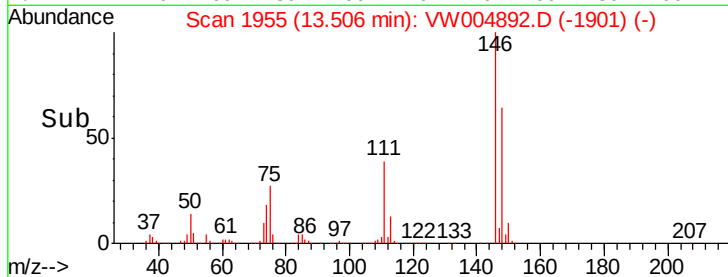
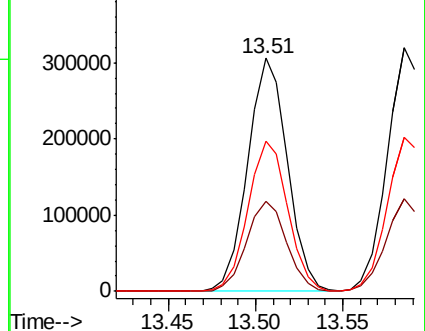
148 64.2 42.7 79.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.601 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

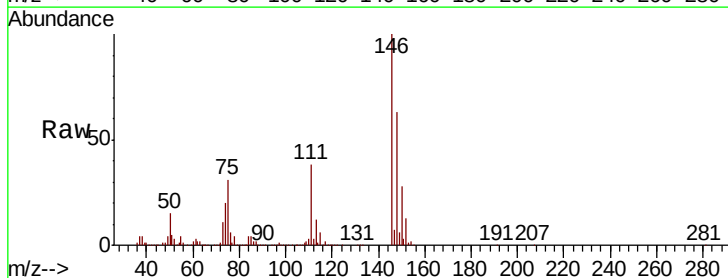
Tgt Ion:146 Resp: 498163

Ion Ratio Lower Upper

146 100

111 38.2 27.6 51.4

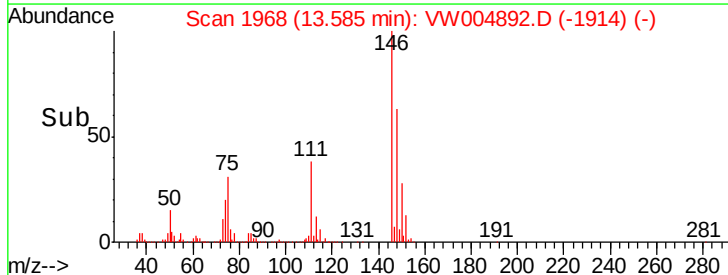
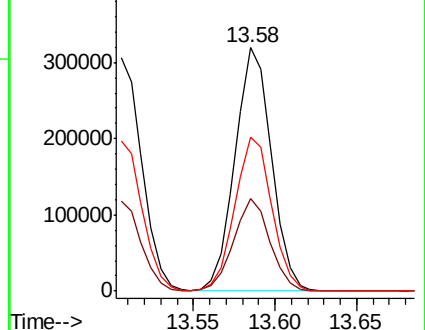
148 63.1 45.8 85.0

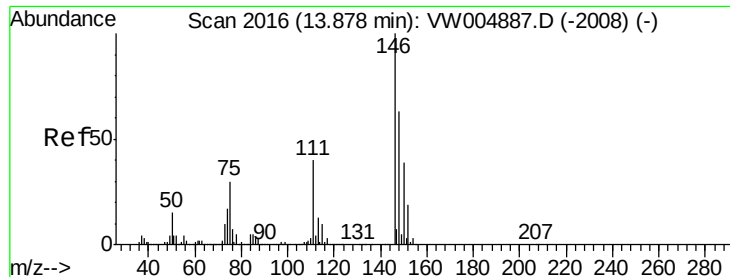


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

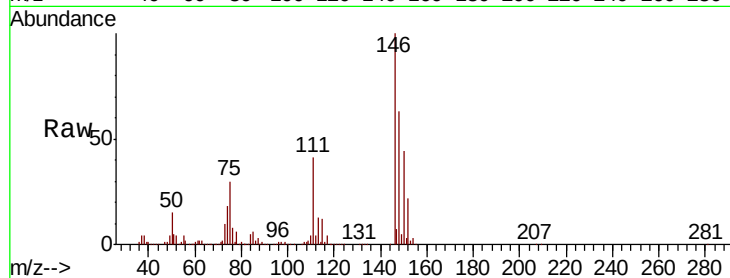




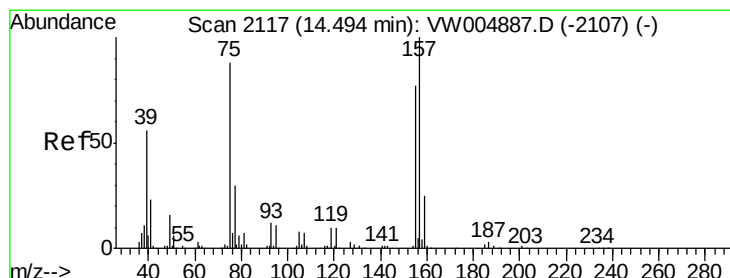
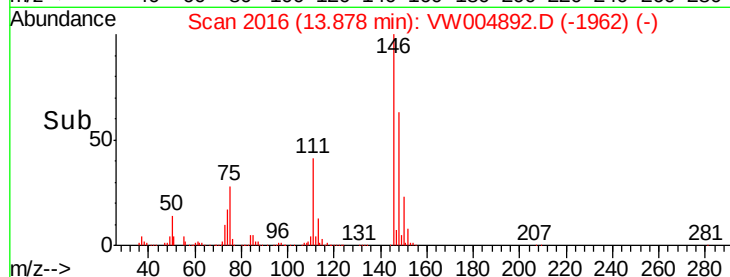
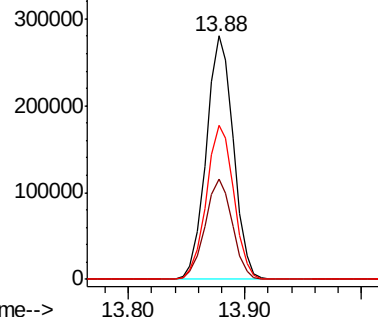
#65
 1,2-Dichlorobenzene
 Concen: 25.464 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.0	48.0
148	63.5	50.6	75.8

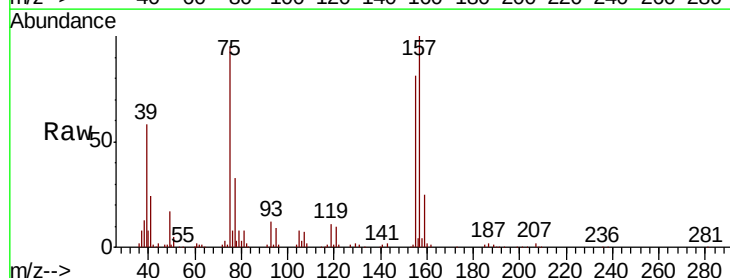


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

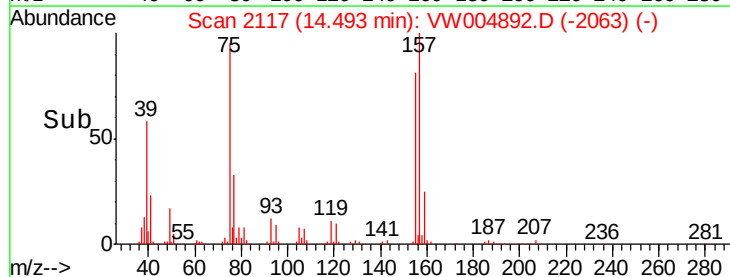
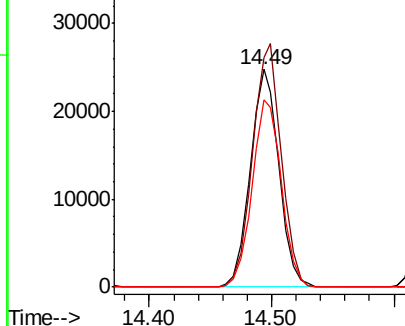


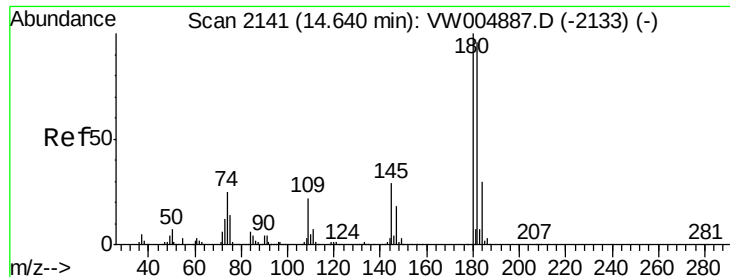
#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.723 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Tgt Ion	Ratio	Lower	Upper
75	100		
157	105.6	90.7	136.1
155	86.0	69.5	104.3



Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

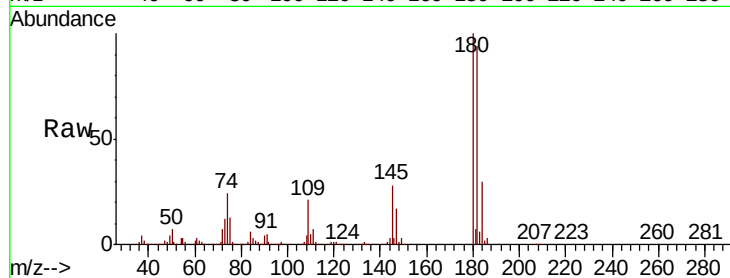




#67
 1,3,5-Trichlorobenzene
 Concen: 25.831 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
184	30.3	24.3	36.5
145	28.3	23.0	34.6



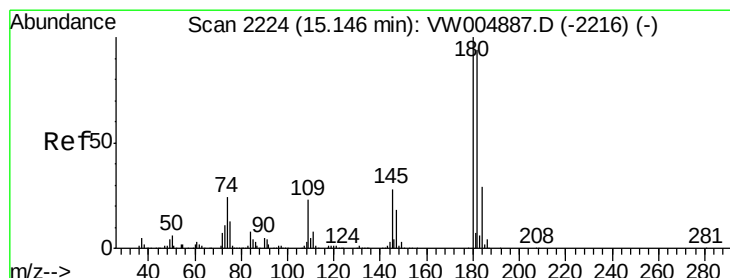
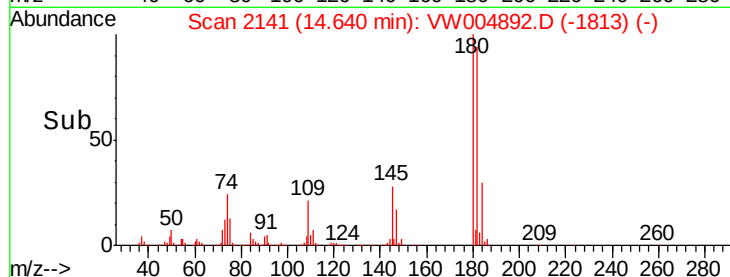
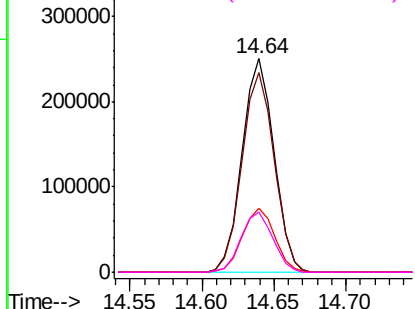
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

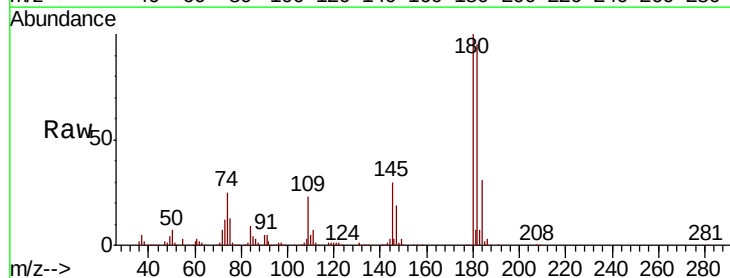
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.061 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004892.D
 Acq: 23 Aug 2018 09:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.1	114.1
145	29.4	23.3	34.9

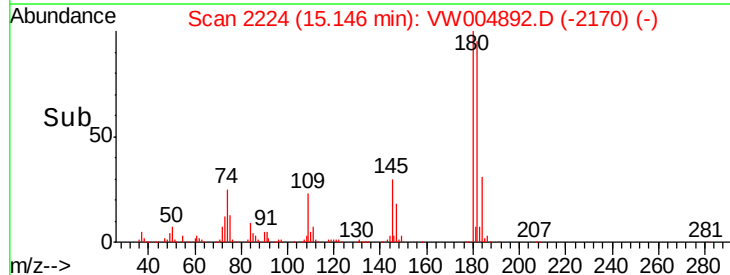
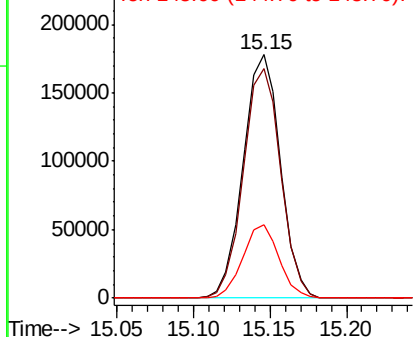


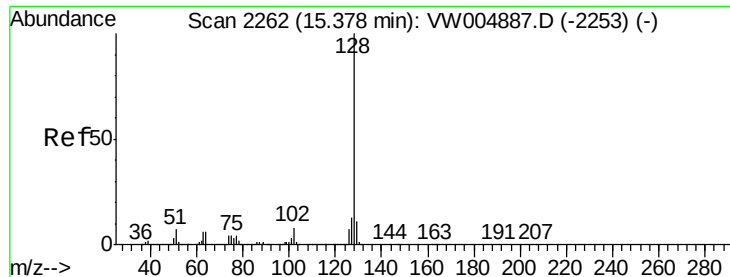
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.602 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

Instrument :

MSVOA_W

ClientSampleId :

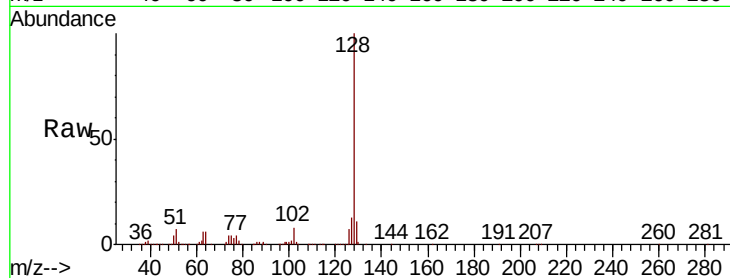
Tot Ion:128 Resp: 624891

Ion Ratio Lower Upper

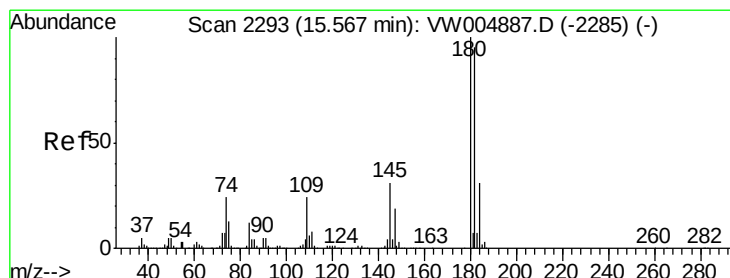
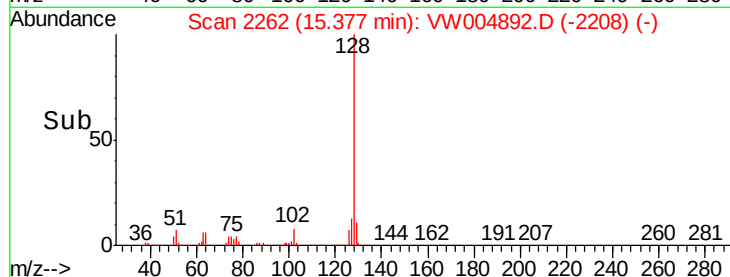
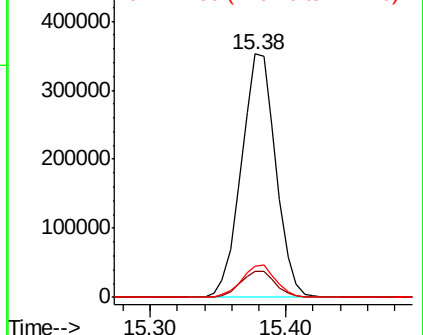
128 100

129 10.9 8.9 13.3

127 13.1 10.6 15.8



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: 25.014 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004892.D

Acq: 23 Aug 2018 09:56

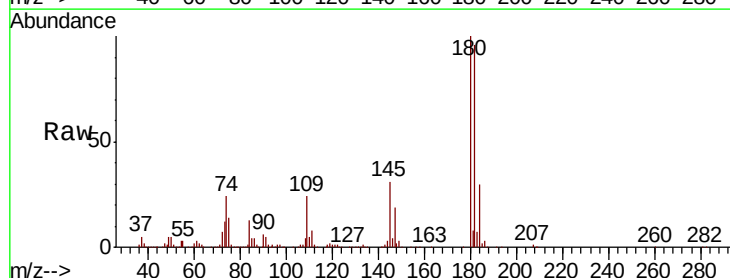
Tgt Ion:180 Resp: 282909

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.6

145 30.7 24.6 37.0



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

