

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005080.D
 Acq On : 04 Sep 2018 15:33
 Operator : SY/AP
 Sample : VW0904SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 04 16:27:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	500586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	708871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	699028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	393981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	194381	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.89	113	201572	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.33	98	955020	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.62	95	345058	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	89687	22.233	ug/l 98
3) Chloromethane	2.21	50	111094	18.978	ug/l 96
4) Vinyl Chloride	2.36	62	115858	20.353	ug/l 100
5) Bromomethane	2.76	94	76146	18.907	ug/l 100
6) Chloroethane	2.91	64	69124	19.509	ug/l 98
7) Trichlorofluoromethane	3.26	101	139380	21.766	ug/l 98
8) Diethyl Ether	3.69	74	47271	20.403	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	92964	21.136	ug/l 97
10) Methyl Iodide	4.27	142	105227	18.605	ug/l 100
11) Tert butyl alcohol	5.20	59	33686	140.684	ug/l 97
12) 1,1-Dichloroethene	4.04	96	84734	20.933	ug/l 98
13) Acrolein	3.90	56	29503	109.537	ug/l 100
14) Allyl chloride	4.67	41	123582	19.531	ug/l 99
15) Acrylonitrile	5.38	53	104061	106.483	ug/l 99
16) Acetone	4.14	43	86360	103.773	ug/l 94
17) Carbon Disulfide	4.38	76	296773	21.041	ug/l 99
18) Methyl Acetate	4.68	43	47851	19.546	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	211081	21.475	ug/l 97
20) Methylene Chloride	4.92	84	178537	30.218	ug/l 96
21) trans-1,2-Dichloroethene	5.43	96	100232	20.324	ug/l 97
22) Diisopropyl ether	6.32	45	263683	19.804	ug/l 98
23) Vinyl Acetate	6.26	43	753860	107.791	ug/l 100
24) 1,1-Dichloroethane	6.22	63	158075	18.994	ug/l 100
25) 2-Butanone	7.18	43	147488	102.178	ug/l 100
26) 2,2-Dichloropropane	7.17	77	142278	20.803	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	106738	19.785	ug/l 98
28) Bromochloromethane	7.52	49	59673	17.814	ug/l 94
29) Tetrahydrofuran	7.54	42	77184	104.651	ug/l 98
30) Chloroform	7.68	83	166457	19.596	ug/l 96
31) Cyclohexane	7.96	56	167624	20.567	ug/l 91
32) 1,1,1-Trichloroethane	7.88	97	150275	20.313	ug/l 99
36) 1,1-Dichloropropene	8.09	75	145021	21.481	ug/l 100
37) Ethyl Acetate	7.26	43	54342	21.523	ug/l 98
38) Carbon Tetrachloride	8.07	117	140725	21.922	ug/l 97

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 04 16:27:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	175531	21.499	ug/l	99
40) Benzene	8.33	78	411577	19.914	ug/l	99
41) Methacrylonitrile	7.49	41	32777	22.406	ug/l	99
42) 1,2-Dichloroethane	8.41	62	100115	19.793	ug/l	99
43) Isopropyl Acetate	8.43	43	97693	21.264	ug/l	99
44) Trichloroethene	9.10	130	118711	21.288	ug/l	97
45) 1,2-Dichloropropane	9.37	63	100571	19.919	ug/l	99
46) Dibromomethane	9.46	93	48833	20.226	ug/l	97
47) Bromodichloromethane	9.65	83	124591	20.495	ug/l	98
48) Methyl methacrylate	9.44	41	44773	20.238	ug/l	96
49) 1,4-Dioxane	9.46	88	16847	431.495	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	347107	112.729	ug/l	99
52) Toluene	10.39	92	292745	20.904	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	131189	21.962	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	160136	22.043	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	81116	21.700	ug/l	98
56) Ethyl methacrylate	10.65	69	95098	22.299	ug/l	99
57) 1,3-Dichloropropane	10.94	76	132816	21.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	219234	108.489	ug/l	98
59) 2-Hexanone	10.98	43	240652	115.553	ug/l	98
60) Dibromochloromethane	11.13	129	92173	21.811	ug/l	100
61) 1,2-Dibromoethane	11.24	107	72946	21.615	ug/l	98
64) Tetrachloroethene	10.87	164	112137	20.446	ug/l	97
65) Chlorobenzene	11.66	112	328459	20.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	102781	21.373	ug/l	99
67) Ethyl Benzene	11.74	91	560302	21.061	ug/l	99
68) m/p-Xylenes	11.85	106	460994	43.278	ug/l	100
69) o-Xylene	12.17	106	213417	21.670	ug/l	97
70) Styrene	12.19	104	351628	21.614	ug/l	100
71) Bromoform	12.35	173	56769	22.273	ug/l #	98
73) Isopropylbenzene	12.47	105	570130	20.523	ug/l	99
74) N-amyl acetate	12.28	43	100651	21.042	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	89732	21.218	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	117355	39.683	ug/l #	100
77) Bromobenzene	12.75	156	140280	20.494	ug/l	98
78) n-propylbenzene	12.81	91	695877	20.750	ug/l	100
79) 2-Chlorotoluene	12.90	91	395458	20.212	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	504695	21.008	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	28052	22.831	ug/l	97
82) 4-Chlorotoluene	12.99	91	412529	19.967	ug/l	99
83) tert-Butylbenzene	13.21	119	414930	20.682	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	504492	20.620	ug/l	100
85) sec-Butylbenzene	13.39	105	605962	20.553	ug/l	98
86) p-Isopropyltoluene	13.51	119	558446	21.397	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	286641	20.386	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	290354	20.817	ug/l	99
89) n-Butylbenzene	13.83	91	516507	21.354	ug/l	100
90) Hexachloroethane	14.10	117	86129	19.867	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	253629	20.696	ug/l #	74
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14370	21.744	ug/l	98

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 04 16:27:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration

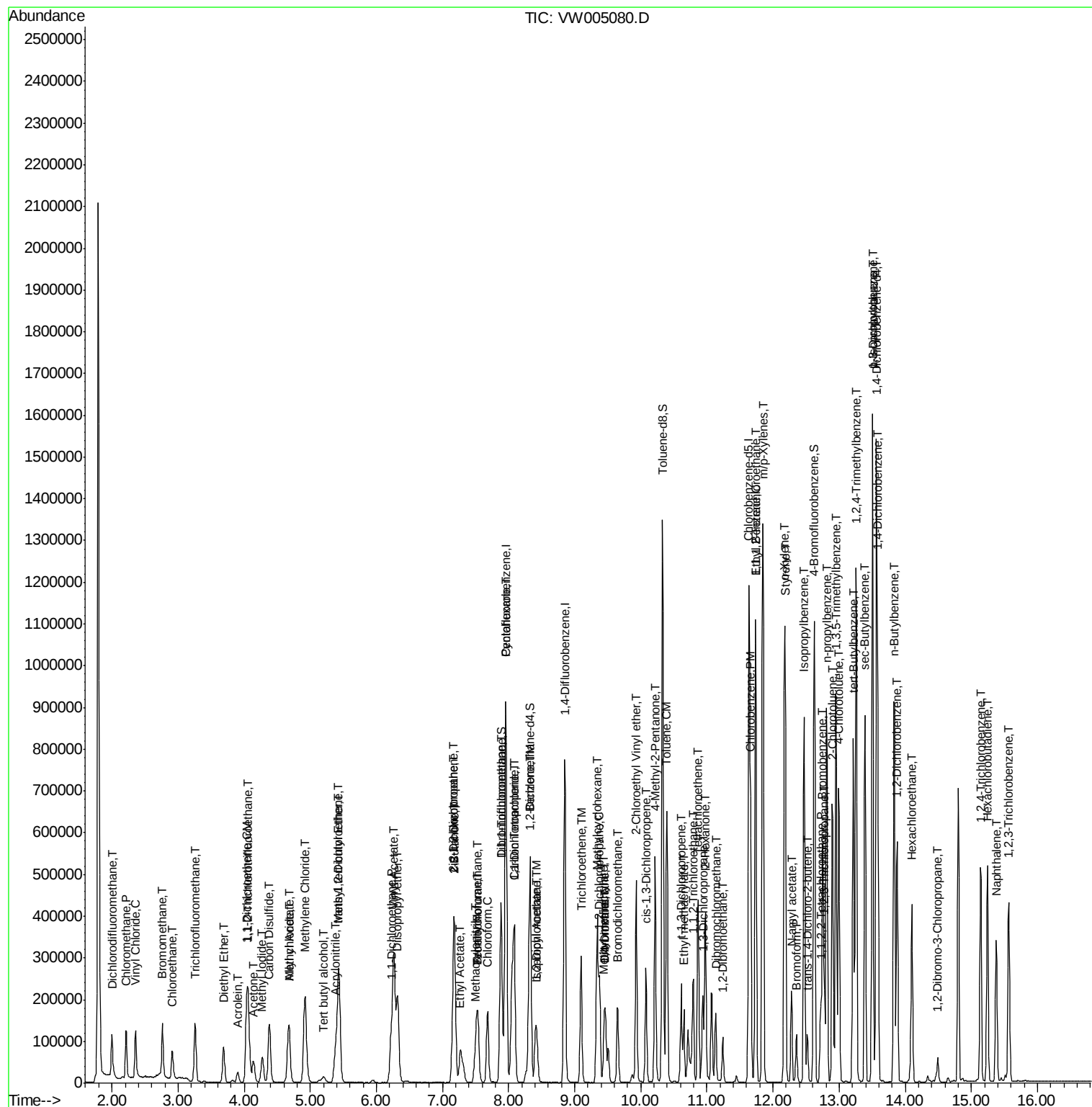
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	187126	22.772	ug/l	99
94) Hexachlorobutadiene	15.24	225	113140	22.138	ug/l	99
95) Naphthalene	15.38	128	300060	23.422	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	161166	22.918	ug/l	99

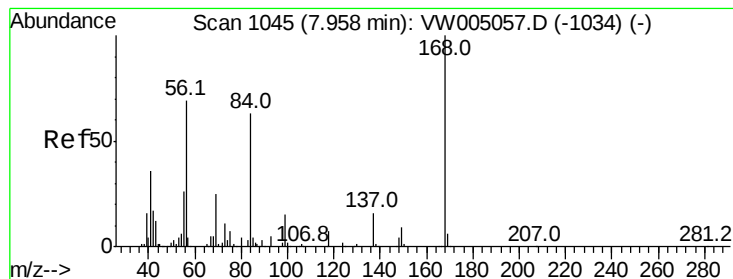
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090418\
 Data File : VW005080.D
 Acq On : 04 Sep 2018 15:33
 Operator : SY/AP
 Sample : VW0904SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 04 16:27:01 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

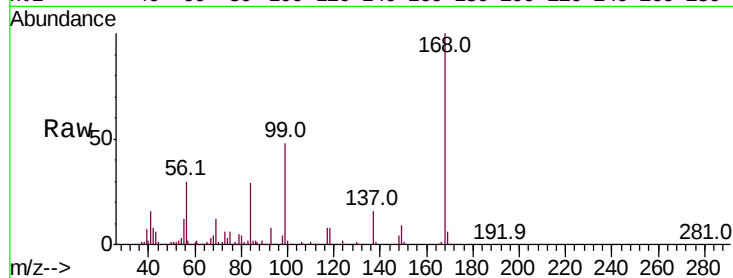
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 500586

Ion Ratio Lower Upper

168 100

99 47.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

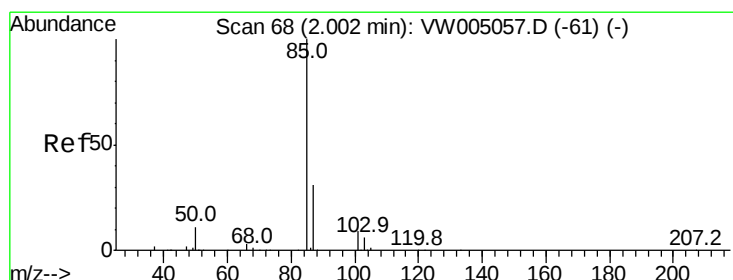
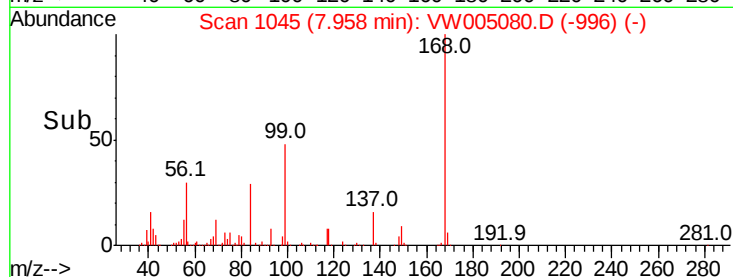
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10 8.20



#2

Dichlorodifluoromethane

Concen: 22.233 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW005080.D

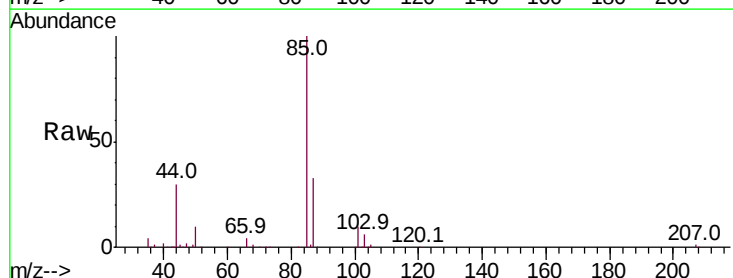
Acq: 04 Sep 2018 15:33

Tgt Ion: 85 Resp: 89687

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

50000

40000

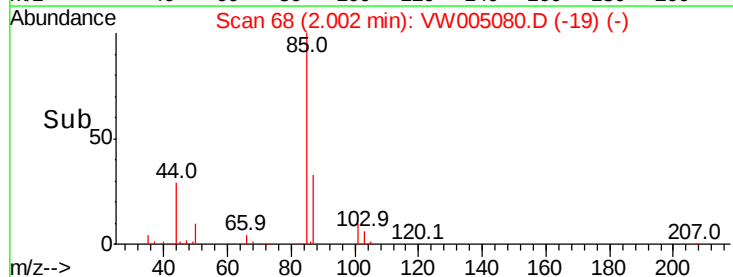
30000

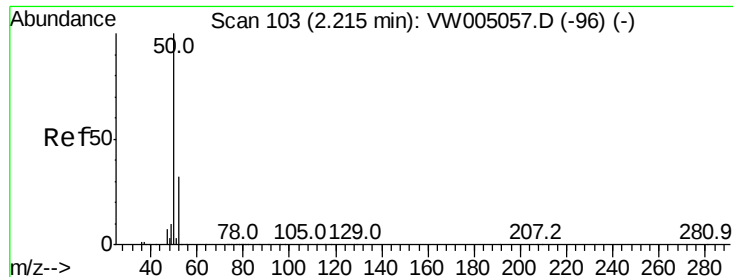
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.978 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

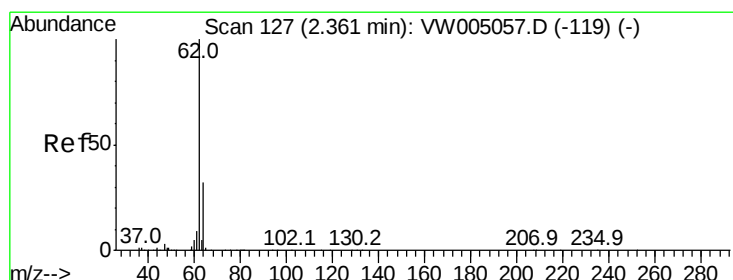
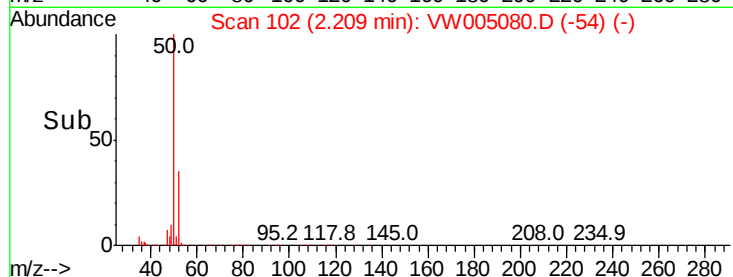
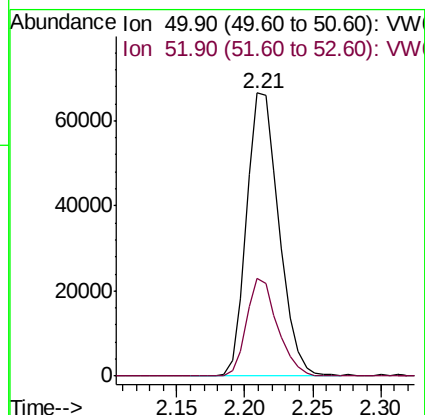
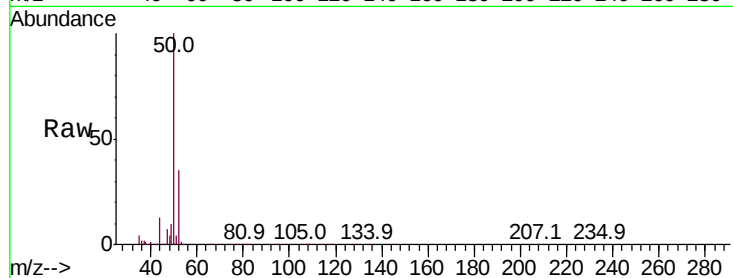
ClientSampleId :

Tot Ion: 50 Resp: 111094

Ion Ratio Lower Upper

50 100

52 34.7 25.8 38.6



#4

Vinyl Chloride

Concen: 20.353 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW005080.D

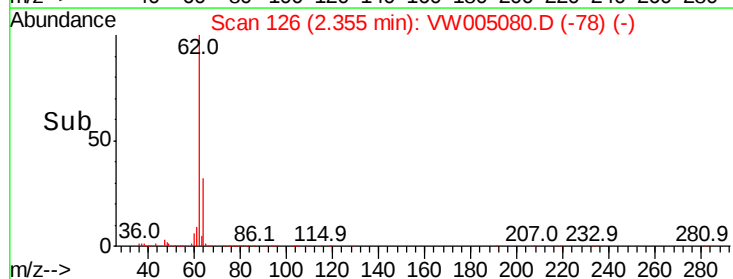
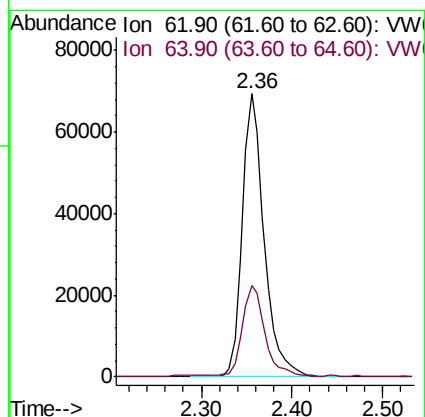
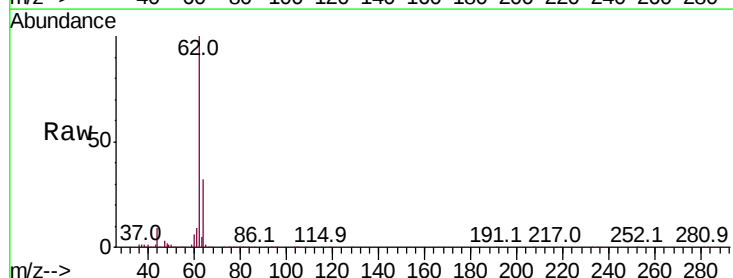
Acq: 04 Sep 2018 15:33

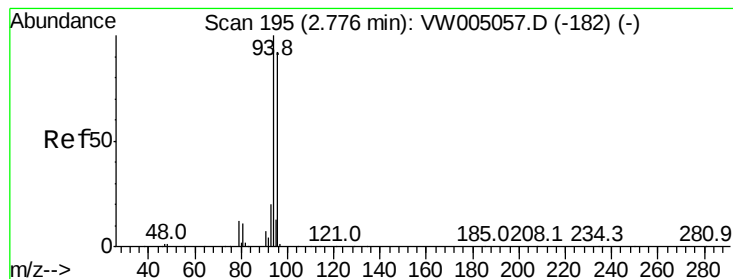
Tgt Ion: 62 Resp: 115858

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 18.907 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

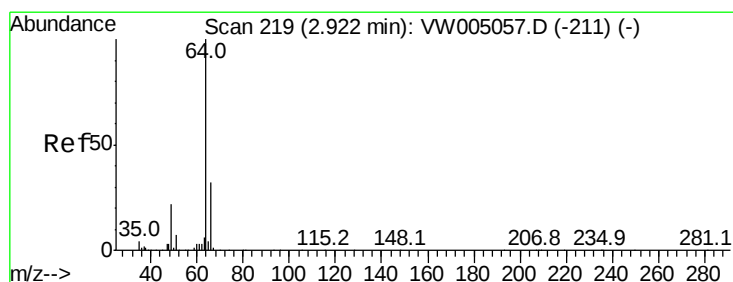
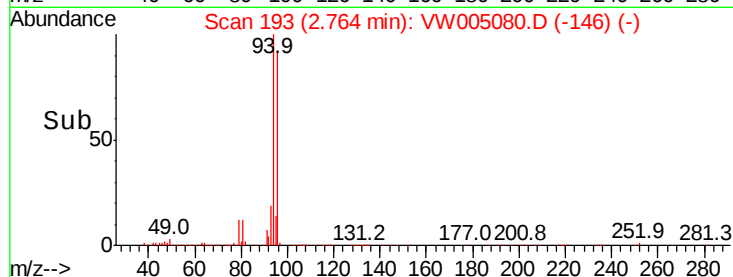
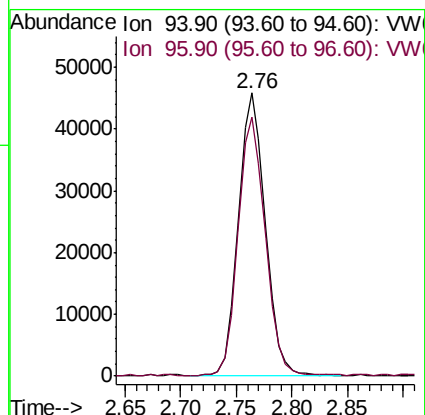
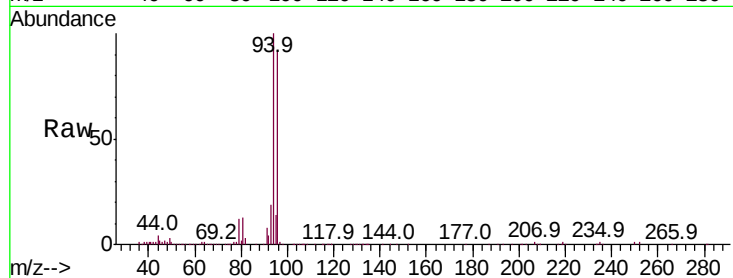
ClientSampled :

Tot Ion: 94 Resp: 76146

Ion Ratio Lower Upper

94 100

96 91.7 73.2 109.8



#6

Chloroethane

Concen: 19.509 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW005080.D

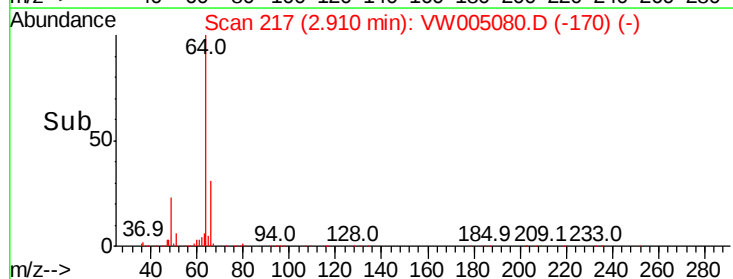
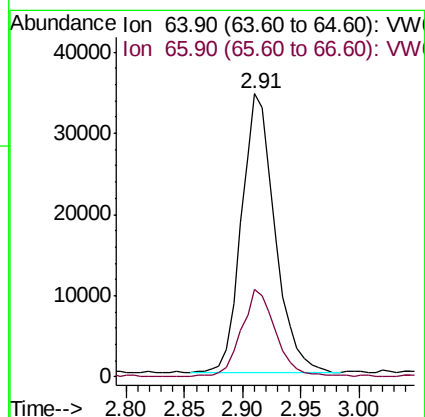
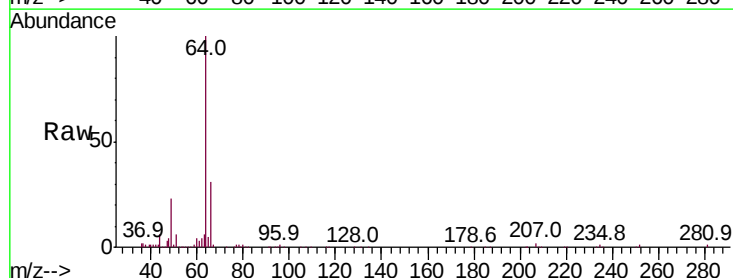
Acq: 04 Sep 2018 15:33

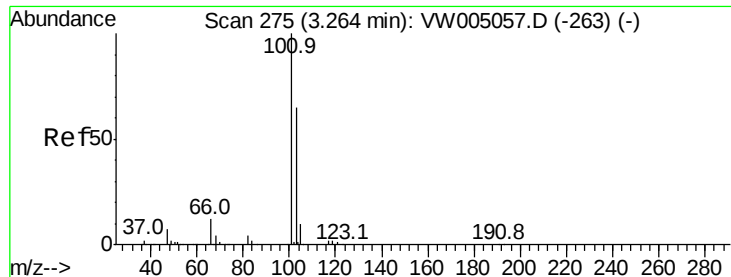
Tgt Ion: 64 Resp: 69124

Ion Ratio Lower Upper

64 100

66 31.0 25.7 38.5



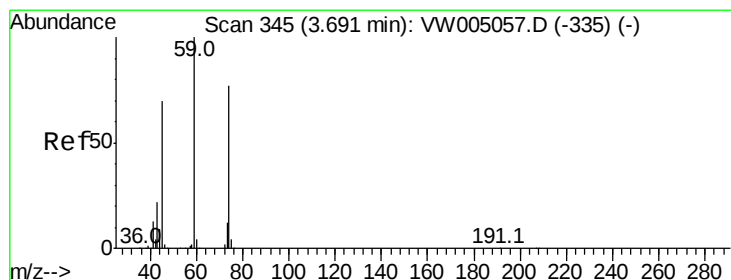
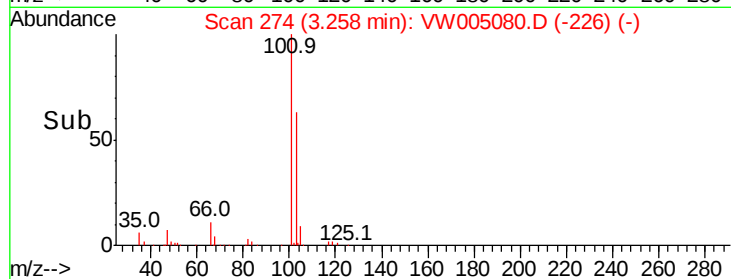
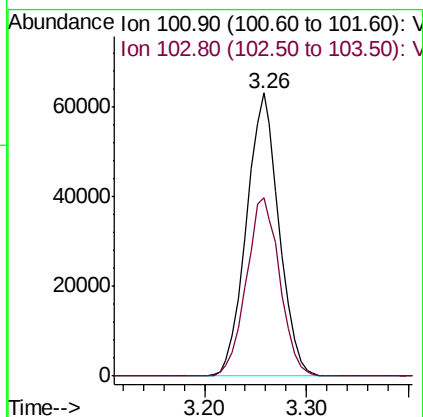
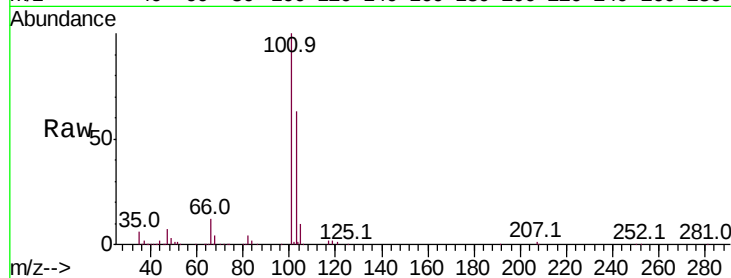


#7

Trichlorofluoromethane
 Concen: 21.766 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Instrument :
 MSVOA_W
 ClientSampleId :

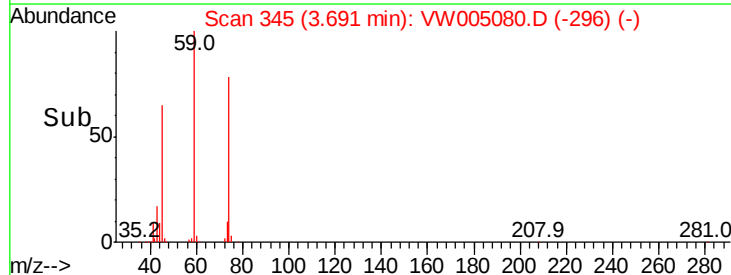
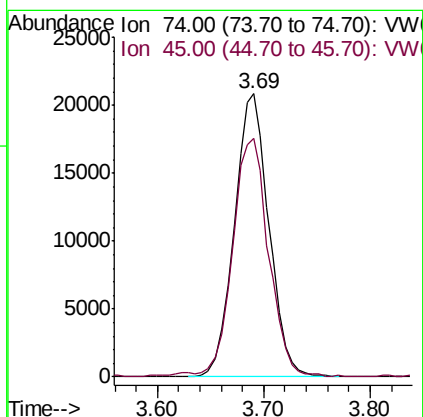
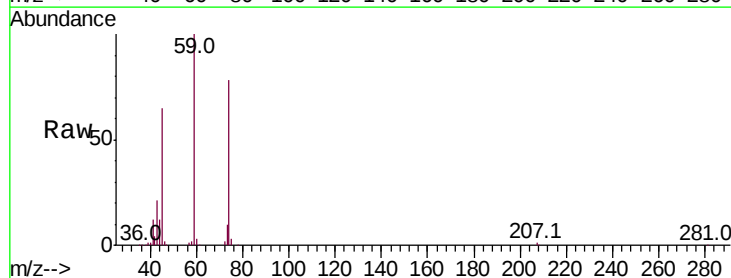
Tot Ion:101 Resp: 139380
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.9 77.9

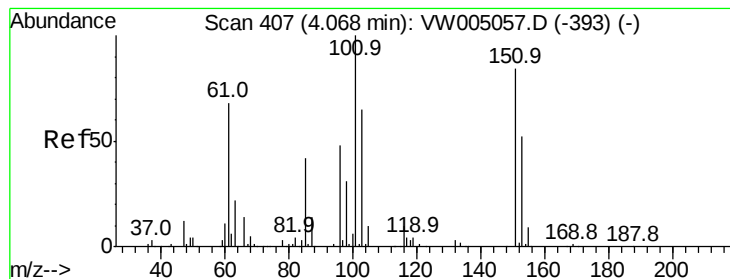


#8

Diethyl Ether
 Concen: 20.403 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Tgt Ion: 74 Resp: 47271
 Ion Ratio Lower Upper
 74 100
 45 89.1 46.0 137.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.136 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

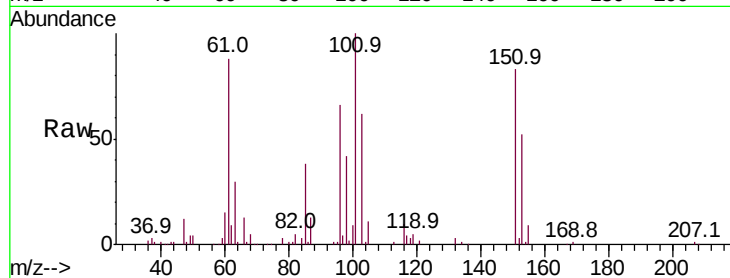
Tot Ion:101 Resp: 92964

Ion Ratio Lower Upper

101 100

85 41.4 33.0 49.6

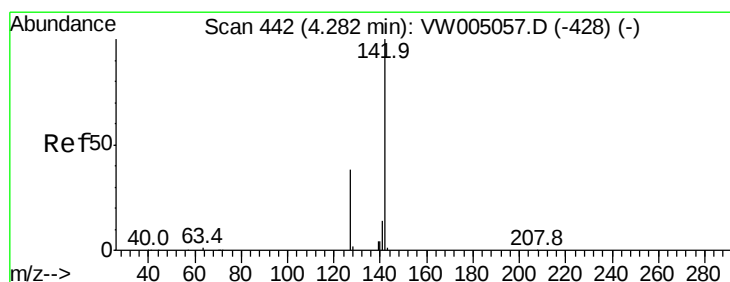
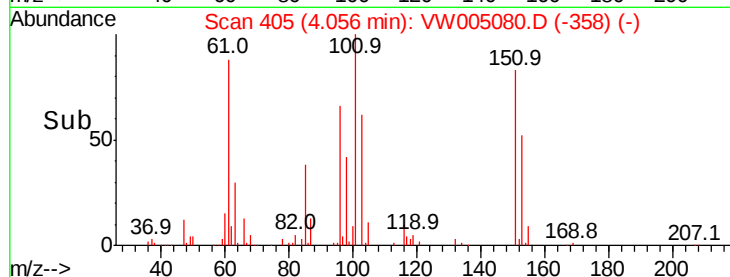
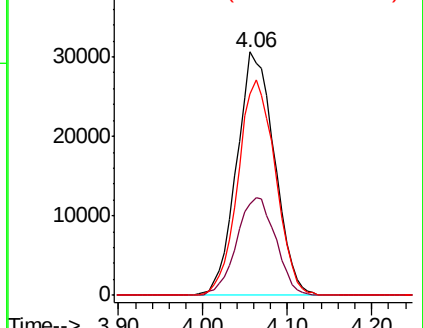
151 87.4 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.605 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

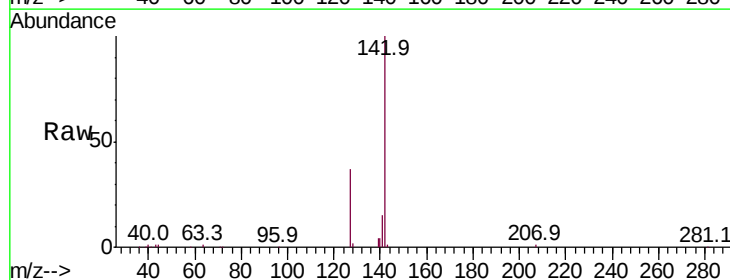
Tgt Ion:142 Resp: 105227

Ion Ratio Lower Upper

142 100

127 38.5 30.8 46.2

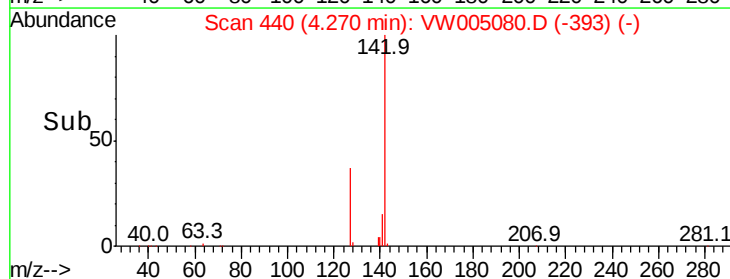
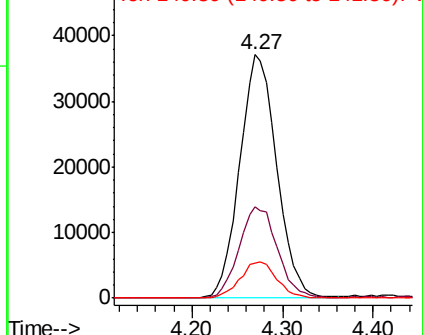
141 14.7 11.6 17.4

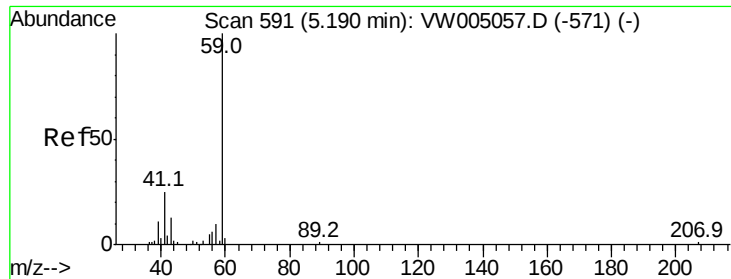


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



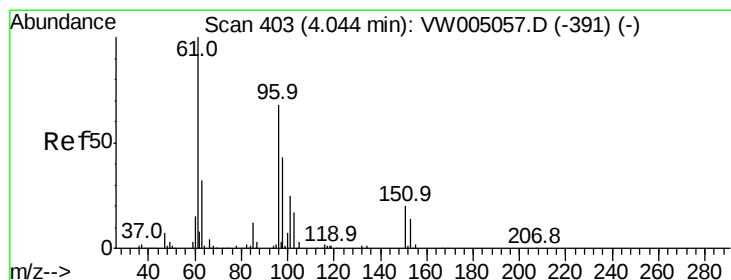
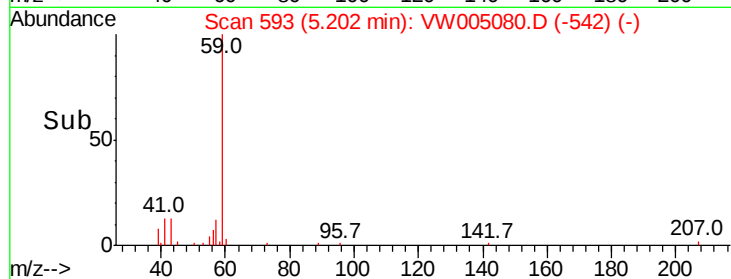
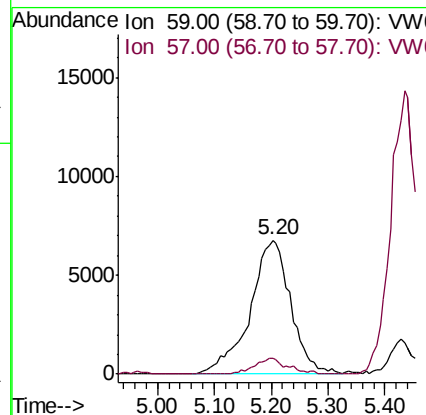
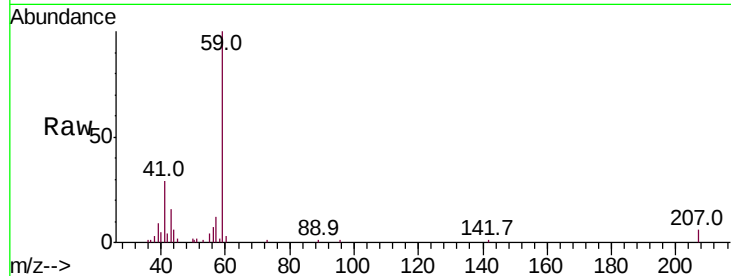


#11

Tert butyl alcohol
Concen: 140.684 ug/l
RT: 5.20 min Scan# 593
Delta R.T. 0.01 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampleId :

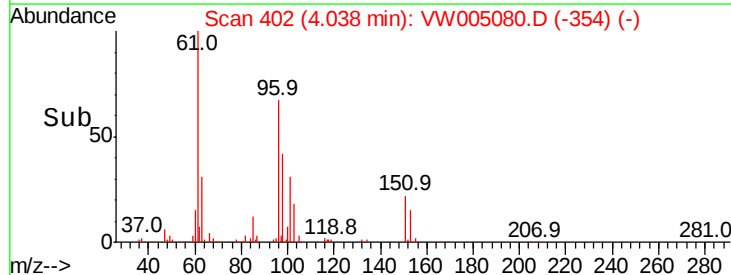
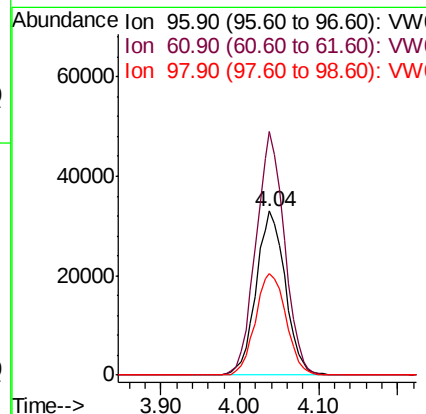
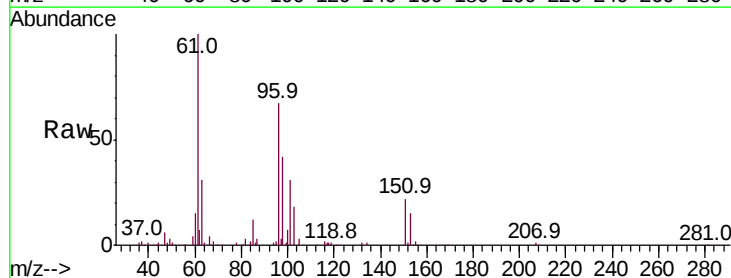
Tot Ion: 59 Resp: 33686
Ion Ratio Lower Upper
59 100
57 9.6 8.6 12.8

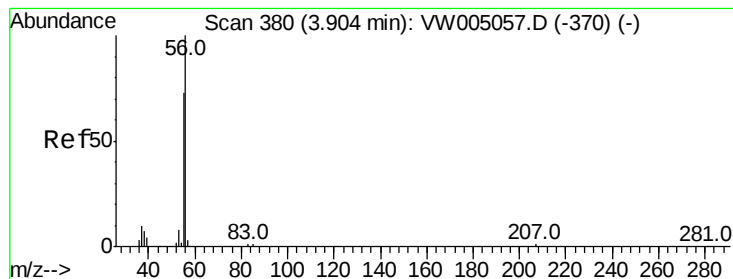


#12

1,1-Dichloroethene
Concen: 20.933 ug/l
RT: 4.04 min Scan# 402
Delta R.T. -0.01 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 96 Resp: 84734
Ion Ratio Lower Upper
96 100
61 148.7 117.4 176.0
98 61.8 51.0 76.4





#13

Acrolein

Concen: 109.537 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

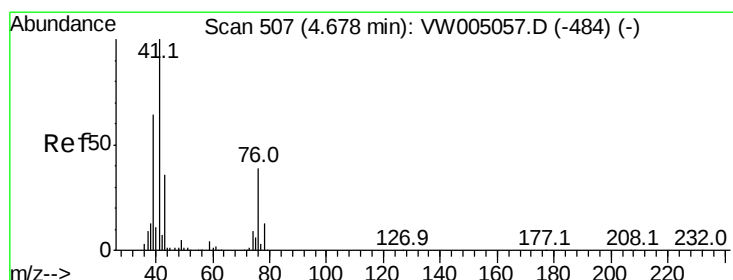
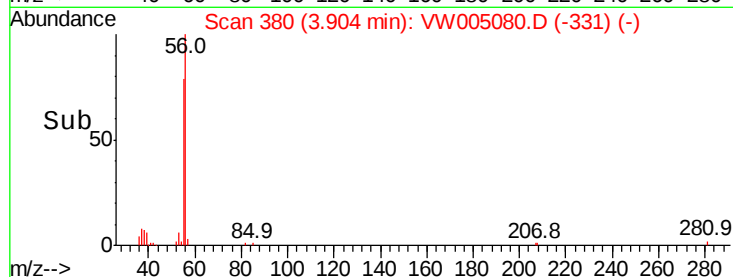
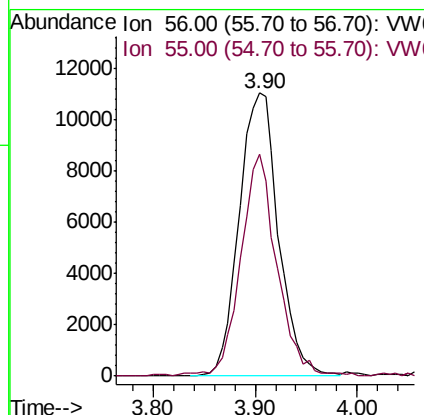
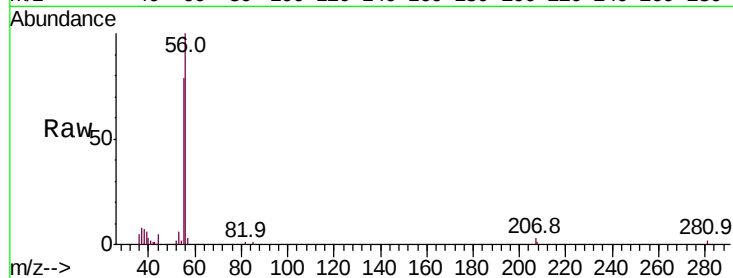
ClientSampleId :

Tot Ion: 56 Resp: 29503

Ion Ratio Lower Upper

56 100

55 72.6 58.1 87.1



#14

Allyl chloride

Concen: 19.531 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

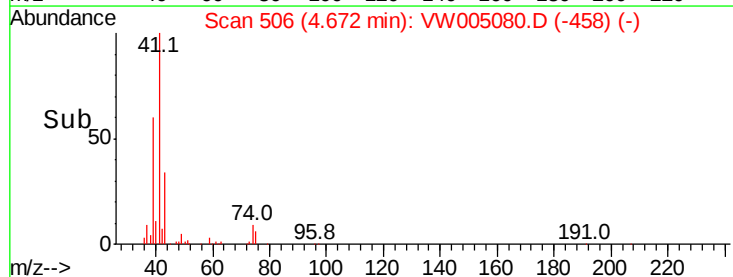
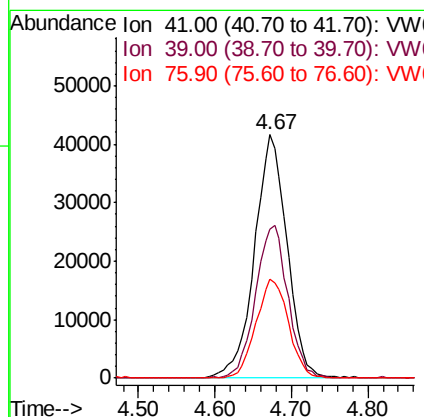
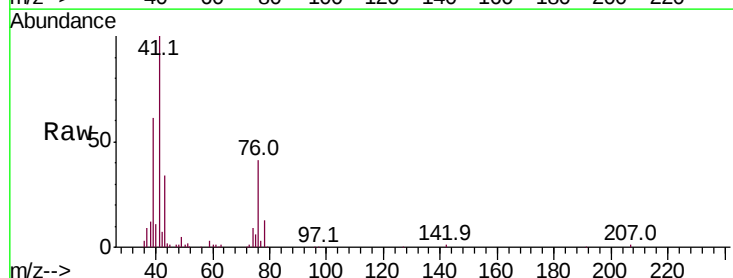
Tgt Ion: 41 Resp: 123582

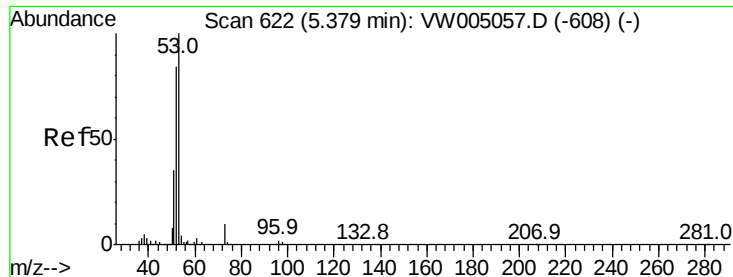
Ion Ratio Lower Upper

41 100

39 62.3 49.4 74.2

76 40.6 31.8 47.6





#15

Acrylonitrile

Concen: 106.483 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

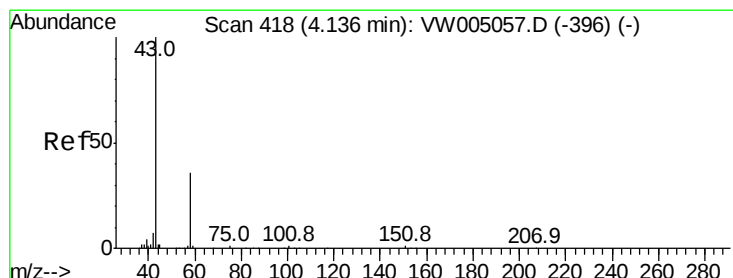
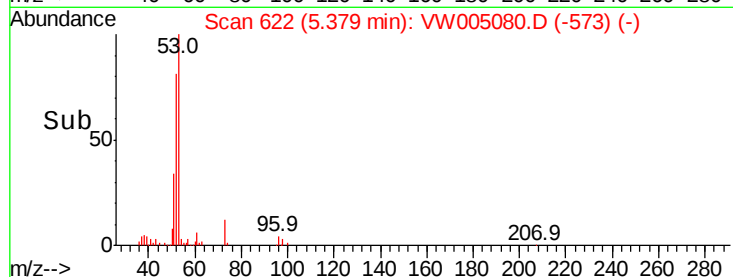
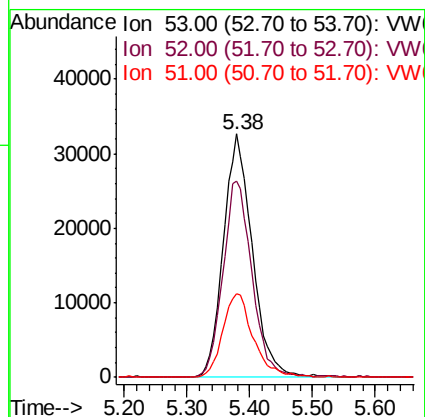
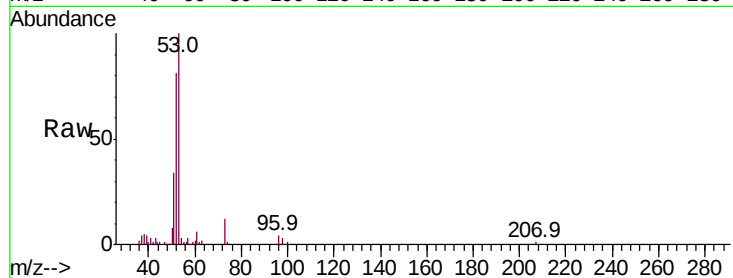
Tot Ion: 53 Resp: 104061

Ion Ratio Lower Upper

53 100

52 80.4 65.7 98.5

51 36.3 28.8 43.2



#16

Acetone

Concen: 103.773 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW005080.D

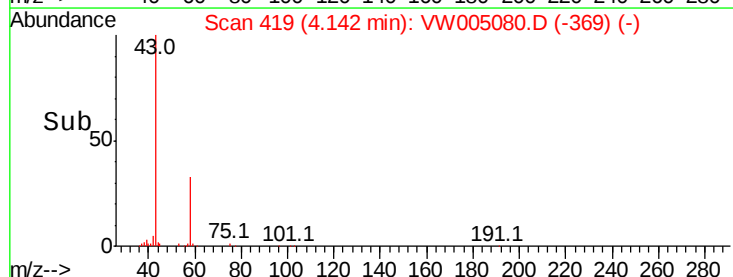
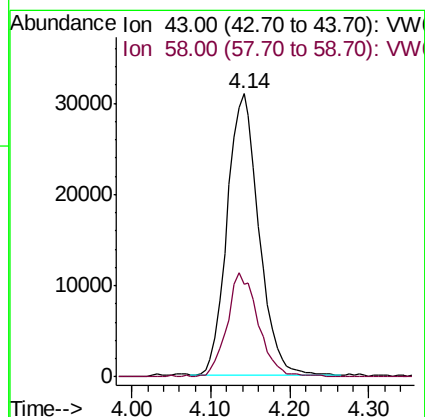
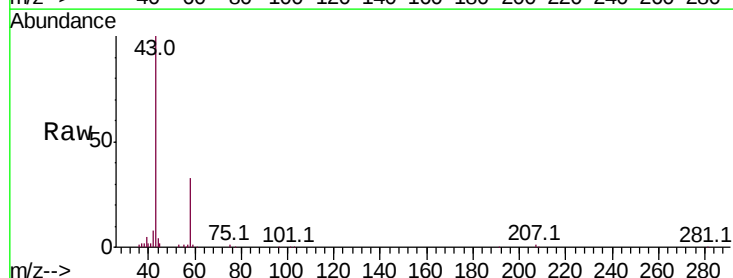
Acq: 04 Sep 2018 15:33

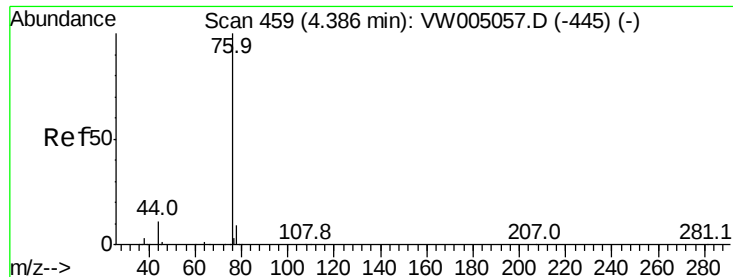
Tgt Ion: 43 Resp: 86360

Ion Ratio Lower Upper

43 100

58 32.6 29.0 43.6





#17

Carbon Disulfide

Concen: 21.041 ug/l

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

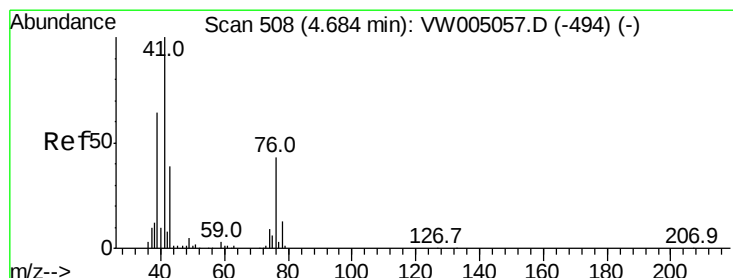
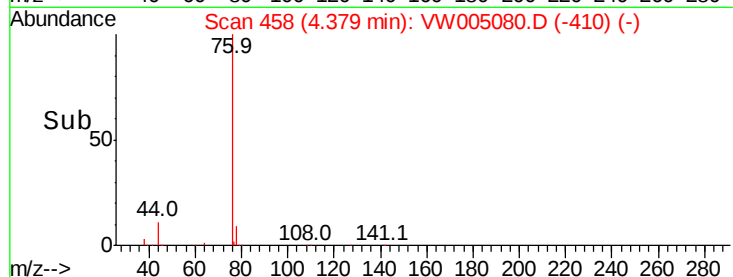
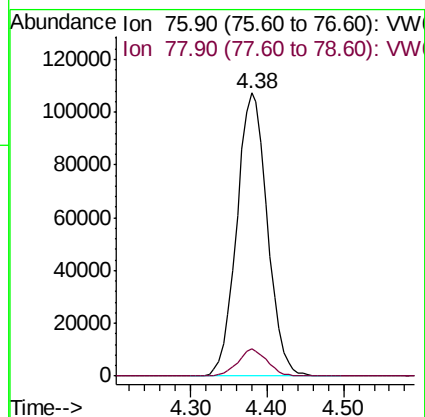
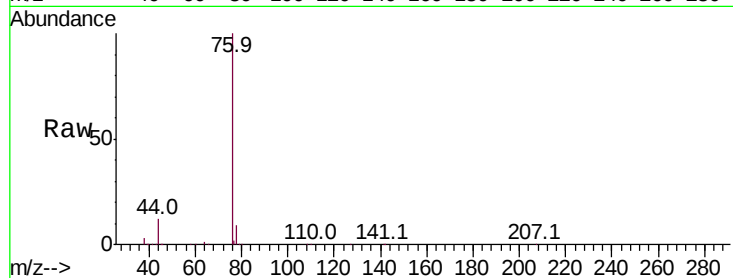
ClientSampleId :

Tot Ion: 76 Resp: 296773

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



#18

Methyl Acetate

Concen: 19.546 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.00 min

Lab File: VW005080.D

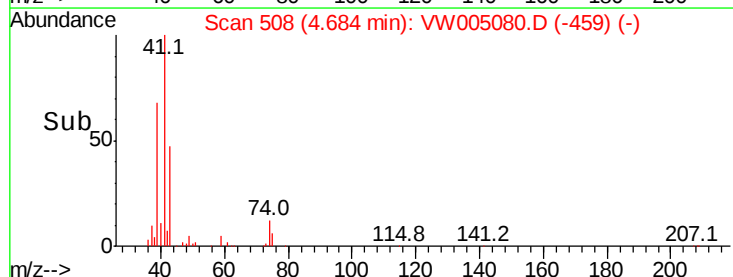
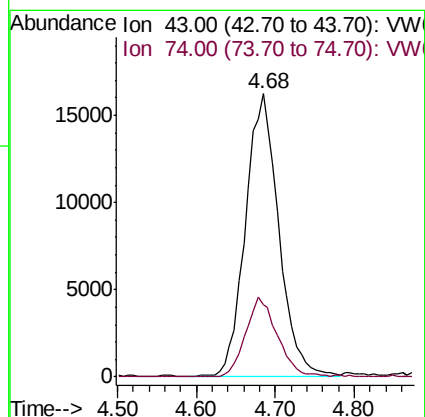
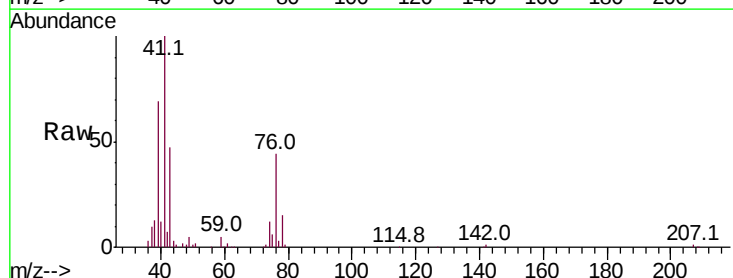
Acq: 04 Sep 2018 15:33

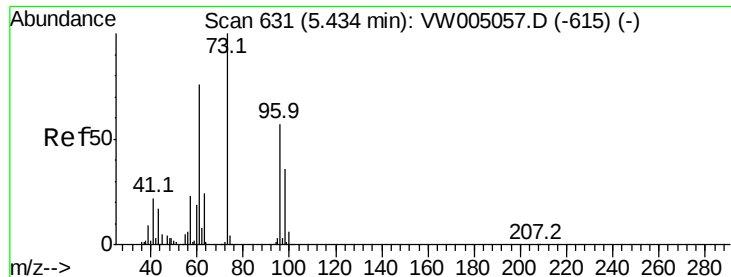
Tgt Ion: 43 Resp: 47851

Ion Ratio Lower Upper

43 100

74 26.6 20.7 31.1

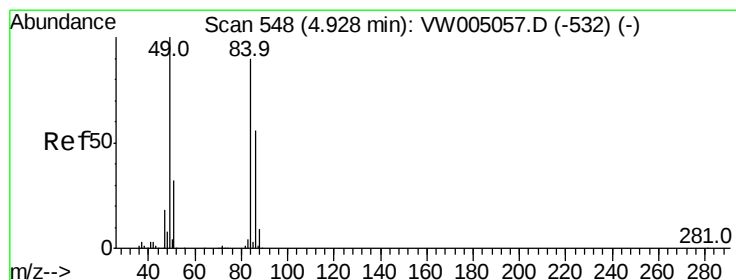
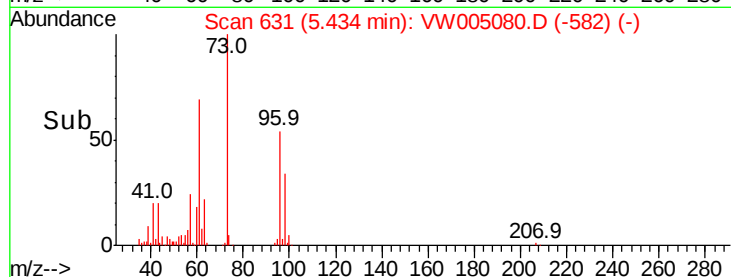
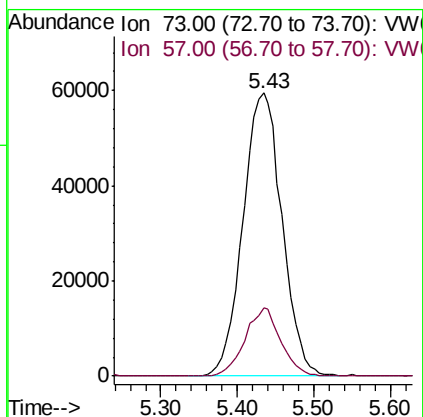
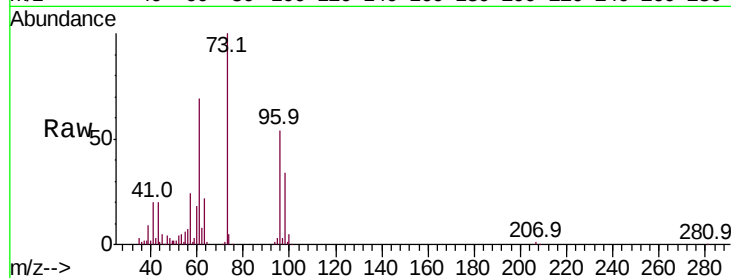




#19
Methvl tert-butvl Ether
Concen: 21.475 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

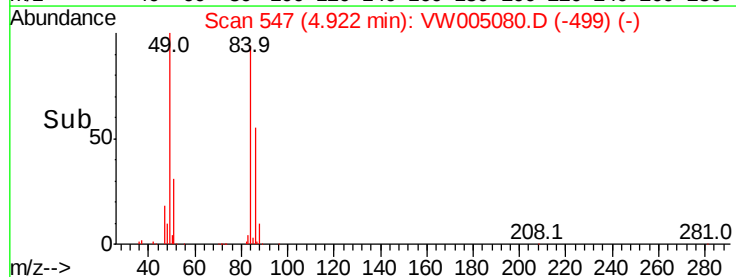
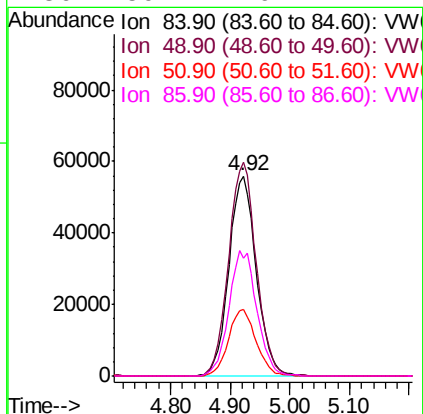
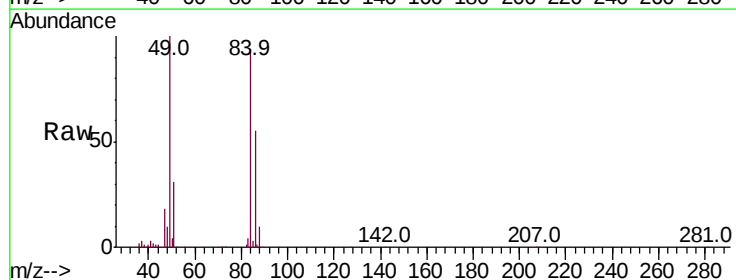
Instrument :
MSVOA_W
ClientSampleId :

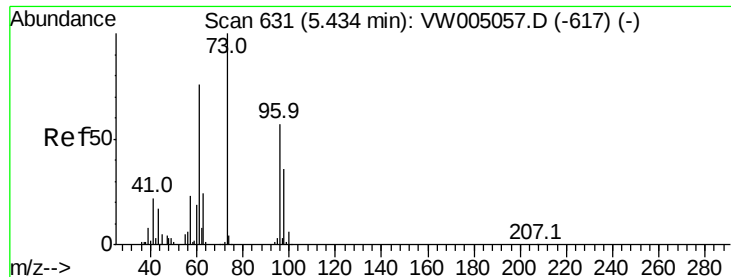
Tot Ion: 73 Resp: 211081
Ion Ratio Lower Upper
73 100
57 24.1 18.1 27.1



#20
Methylene Chloride
Concen: 30.218 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 84 Resp: 178537
Ion Ratio Lower Upper
84 100
49 106.9 88.7 133.1
51 33.2 28.6 42.8
86 59.1 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.324 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

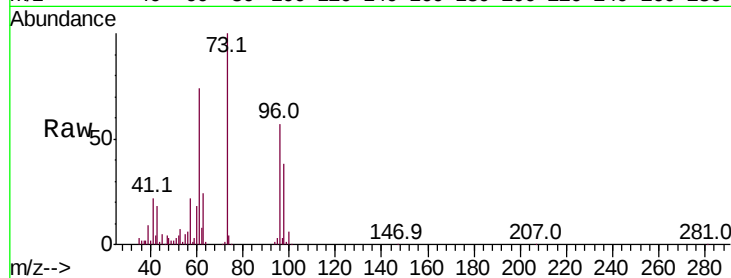
Tot Ion: 96 Resp: 100232

Ion Ratio Lower Upper

96 100

61 130.0 106.3 159.5

98 65.9 50.9 76.3

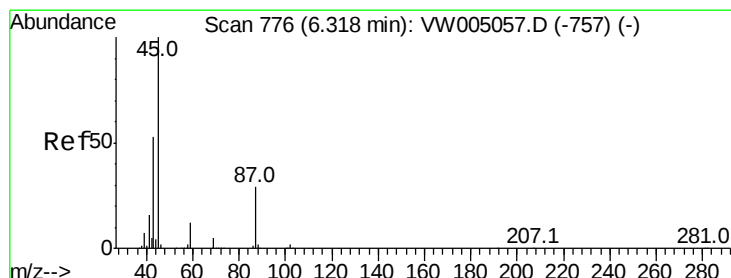
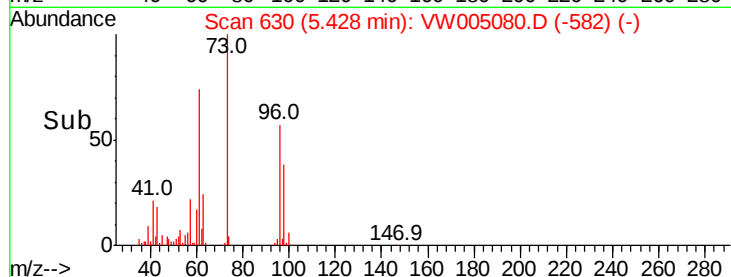
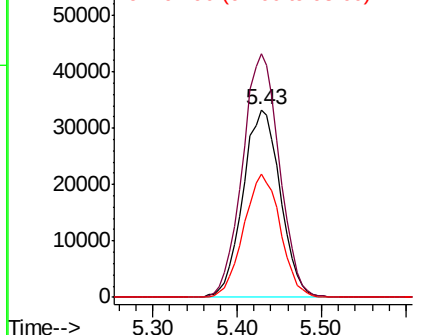


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.804 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Tgt Ion: 45 Resp: 263683

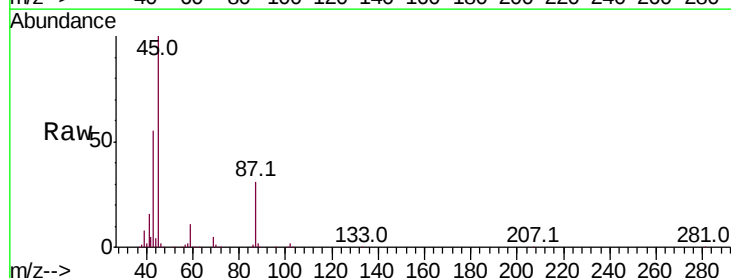
Ion Ratio Lower Upper

45 100

43 54.3 42.6 63.8

87 30.4 23.6 35.4

59 11.1 9.8 14.8



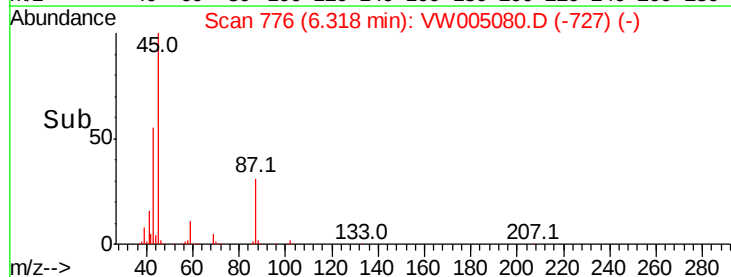
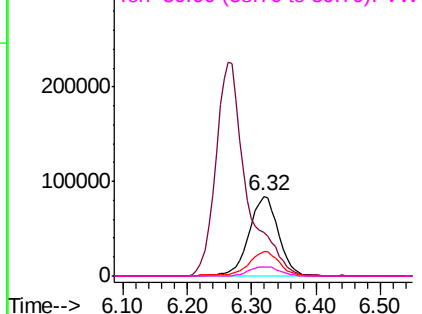
Abundance

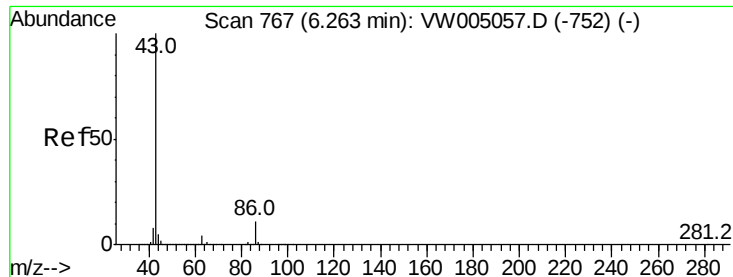
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 107.791 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

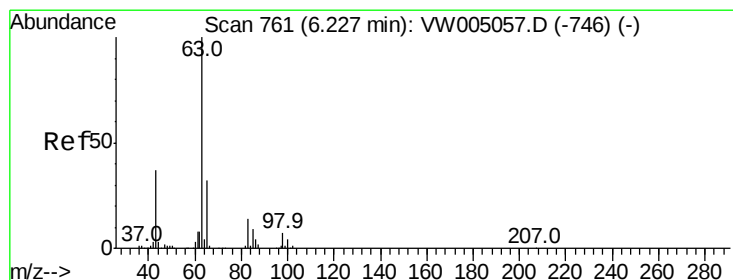
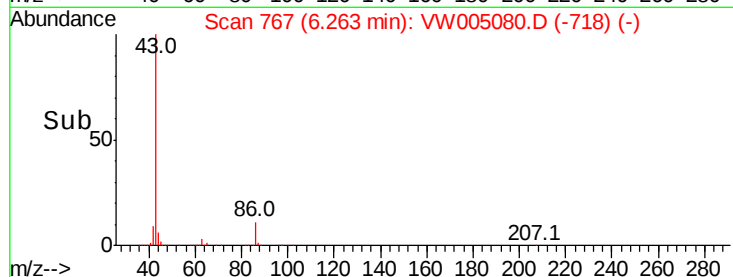
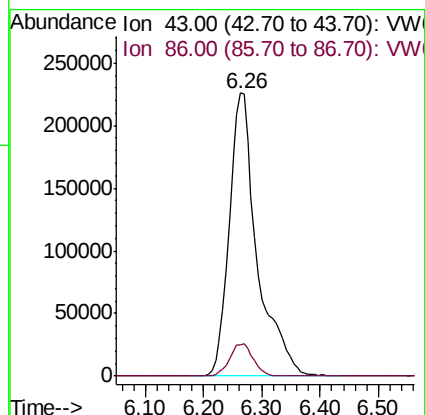
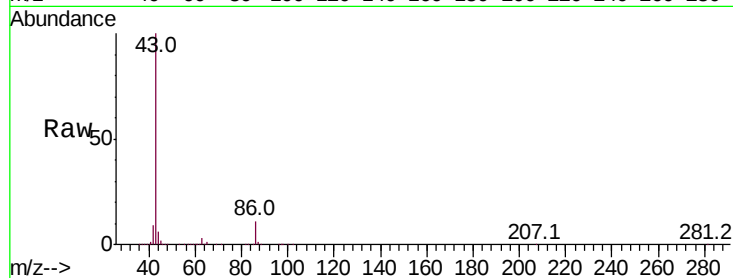
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 753860

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.4



#24

1,1-Dichloroethane

Concen: 18.994 ug/l

RT: 6.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

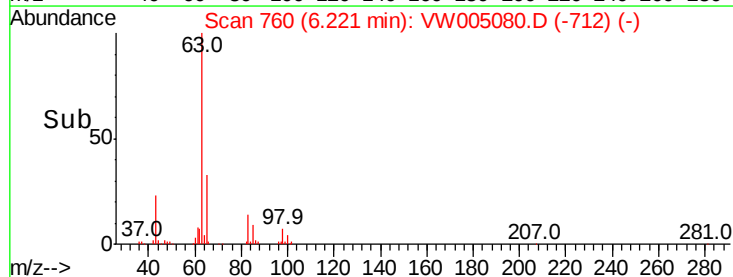
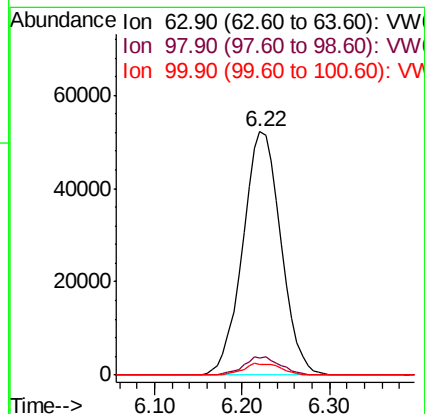
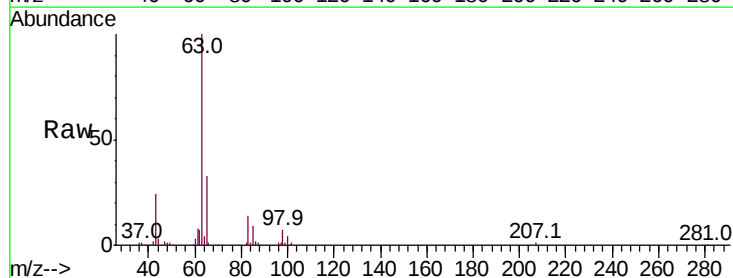
Tgt Ion: 63 Resp: 158075

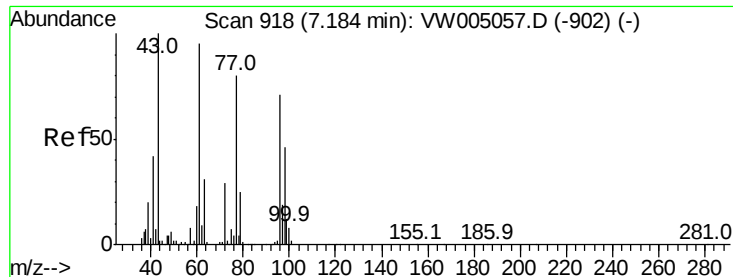
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 102.178 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

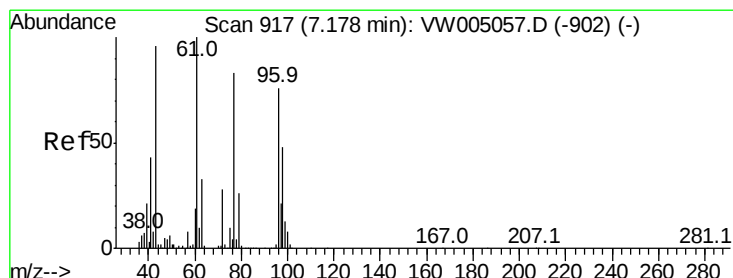
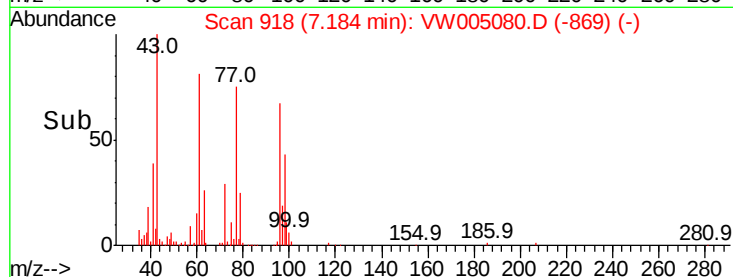
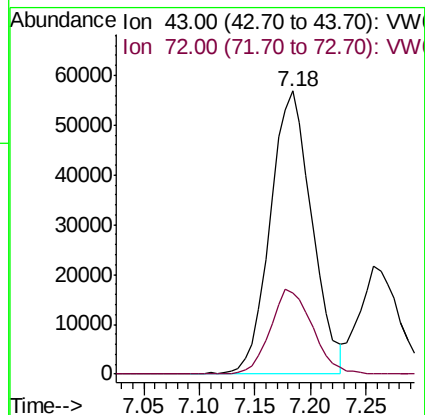
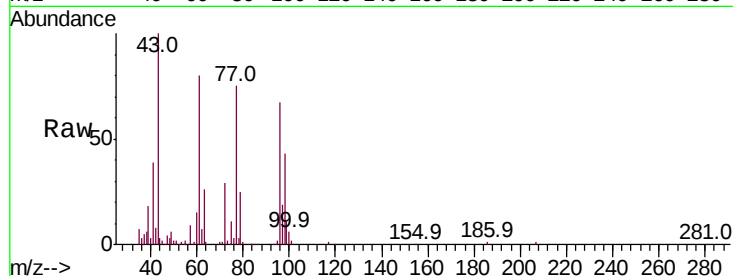
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 147488

Ion Ratio Lower Upper

43 100

72 28.9 23.1 34.7



#26

2,2-Dichloropropane

Concen: 20.803 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005080.D

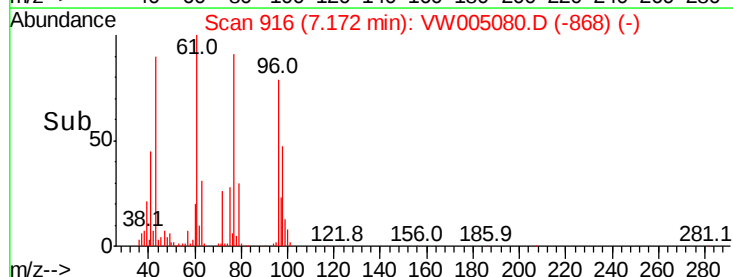
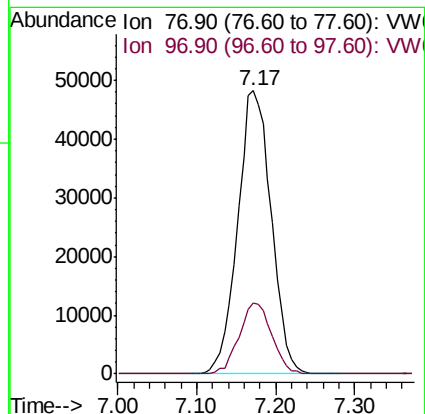
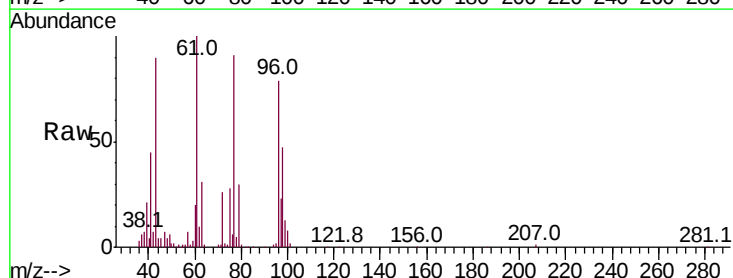
Acq: 04 Sep 2018 15:33

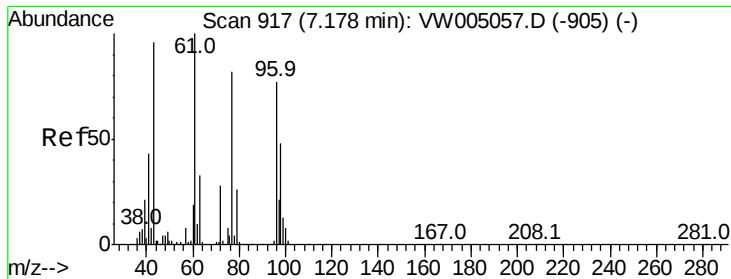
Tgt Ion: 77 Resp: 142278

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6



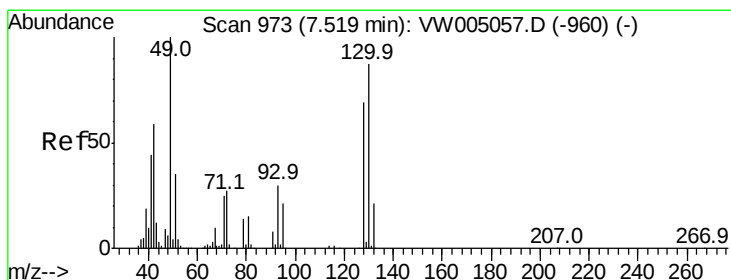
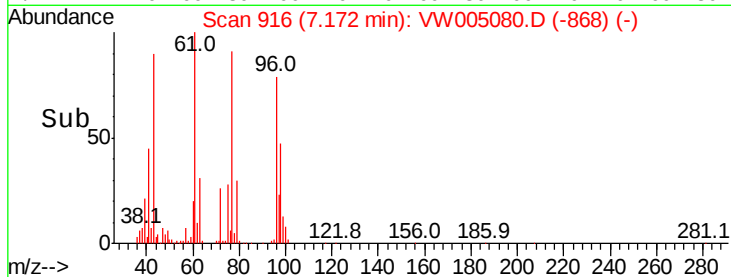
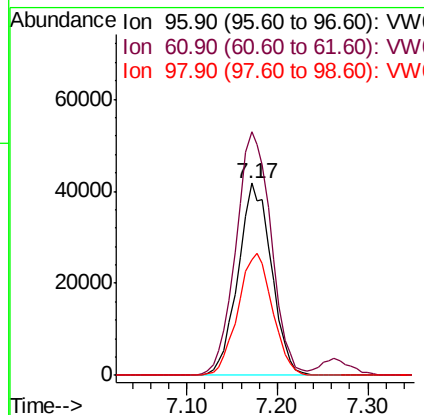
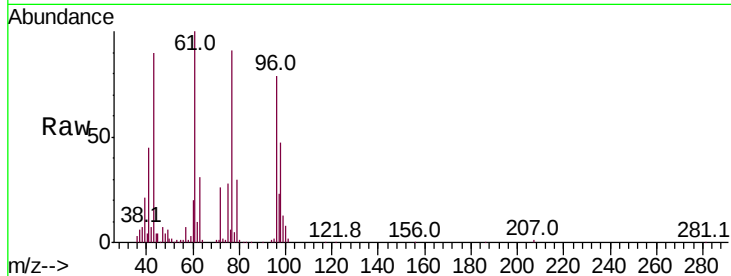


#27

cis-1,2-Dichloroethene
 Concen: 19.785 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Instrument :
 MSVOA_W
 ClientSampleId :

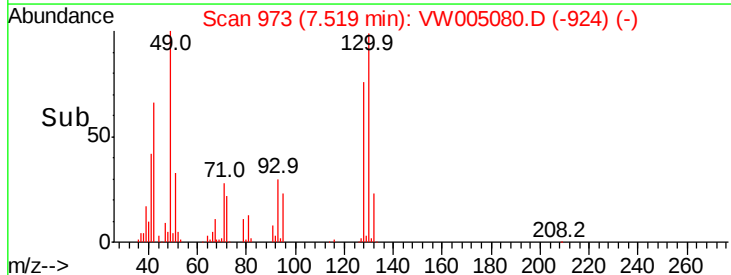
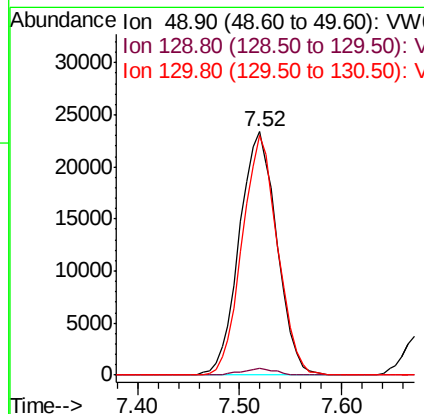
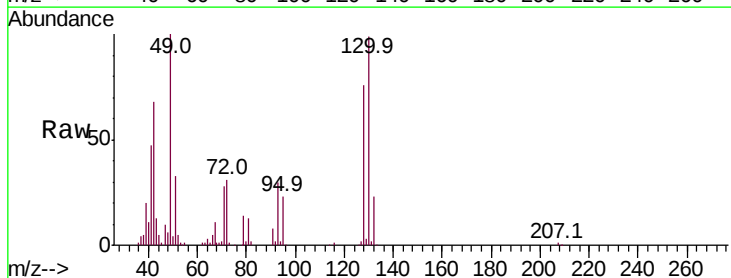
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	273.2
98	65.2	0.0	127.8

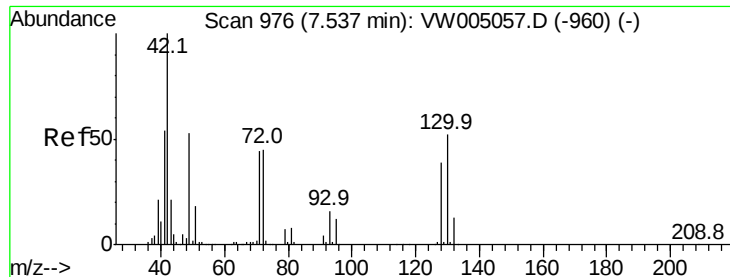


#28

Bromochloromethane
 Concen: 17.814 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	92.8	69.6	104.4

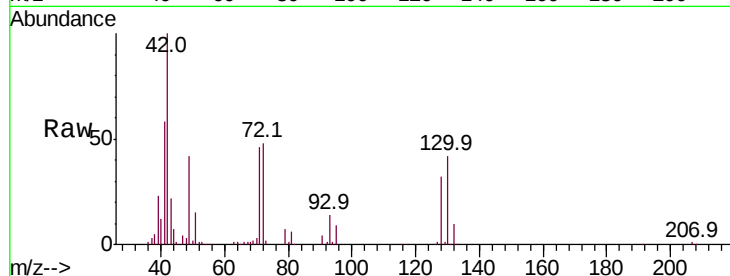




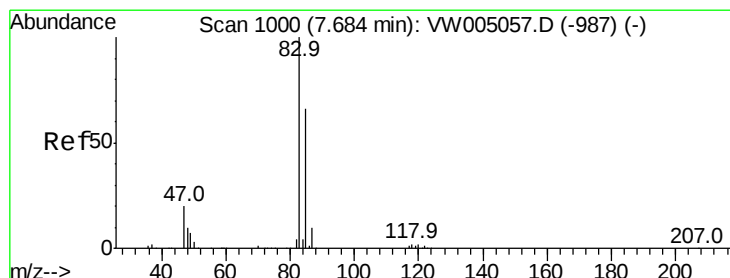
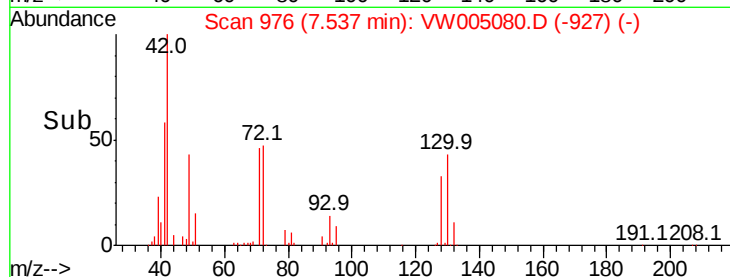
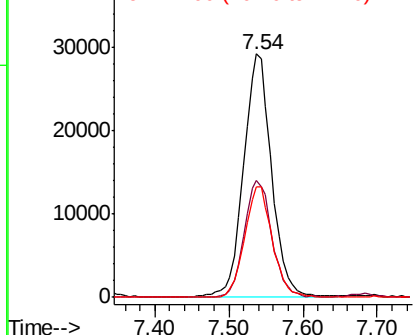
#29
Tetrahydrofuran
Concen: 104.651 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 77184
Ion Ratio Lower Upper
42 100
72 47.4 37.0 55.4
71 44.8 35.0 52.6

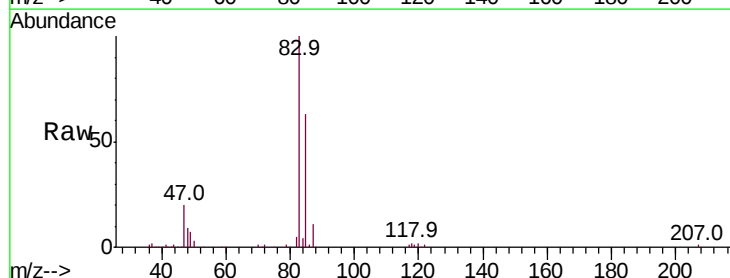


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

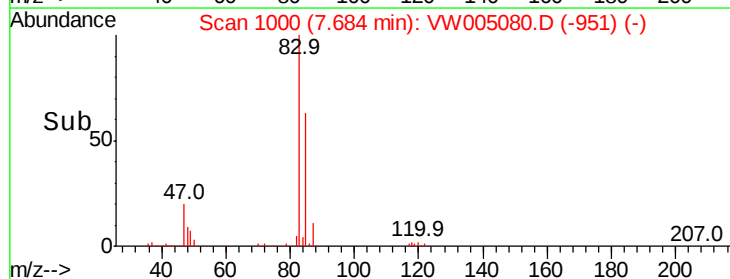
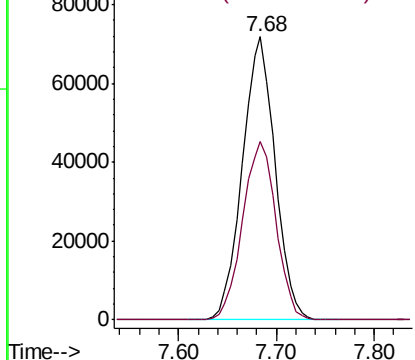


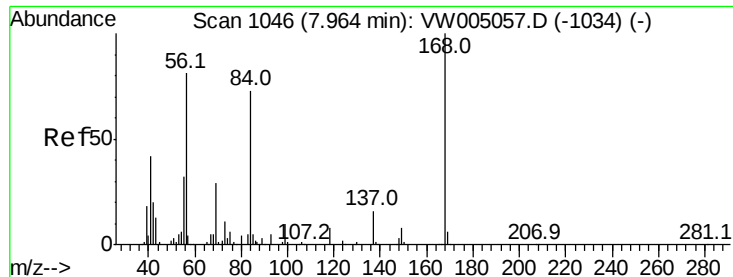
#30
Chloroform
Concen: 19.596 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 83 Resp: 166457
Ion Ratio Lower Upper
83 100
85 63.2 53.1 79.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

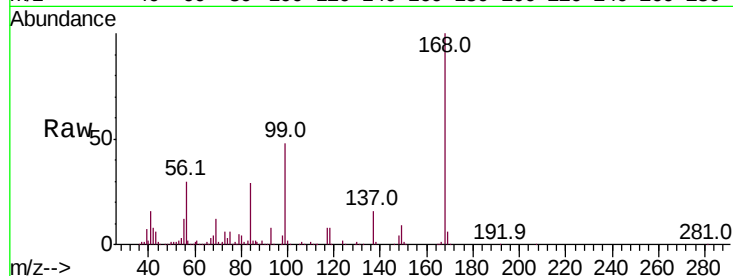




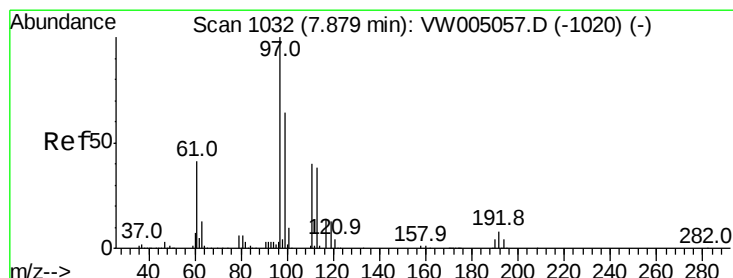
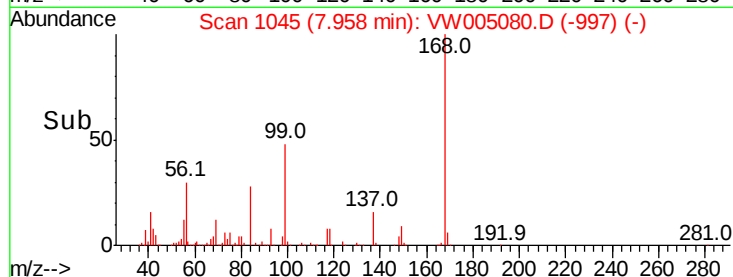
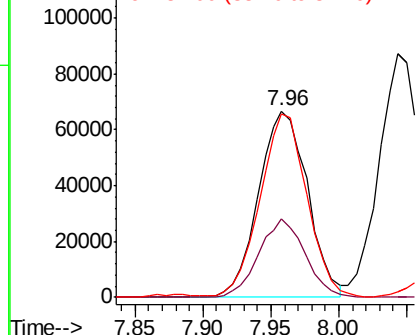
#31
Cvclohexane
Concen: 20.567 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 167624
Ion Ratio Lower Upper
56 100
69 41.8 28.2 42.2
84 97.8 71.8 107.8

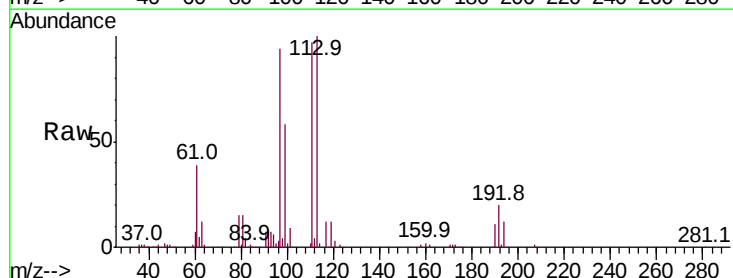


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

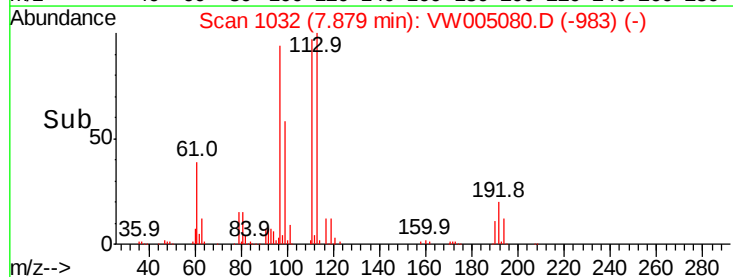
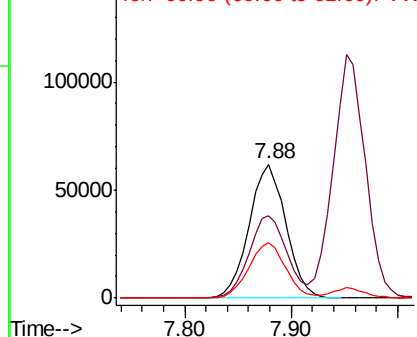


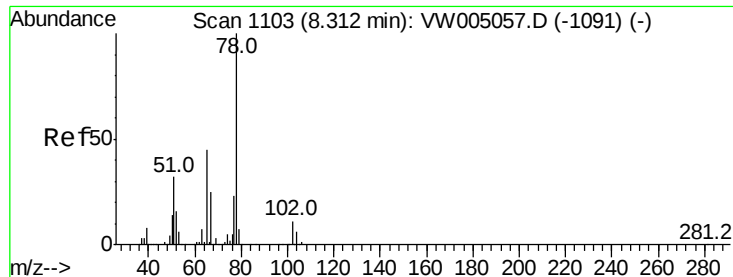
#32
1,1,1-Trichloroethane
Concen: 20.313 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 97 Resp: 150275
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 41.5 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 46.843 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

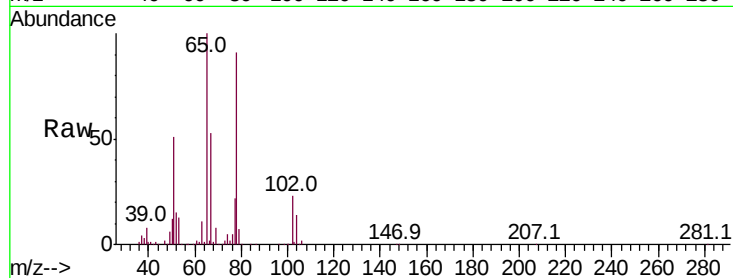
ClientSampleId :

Tot Ion: 65 Resp: 194381

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

100000

80000

60000

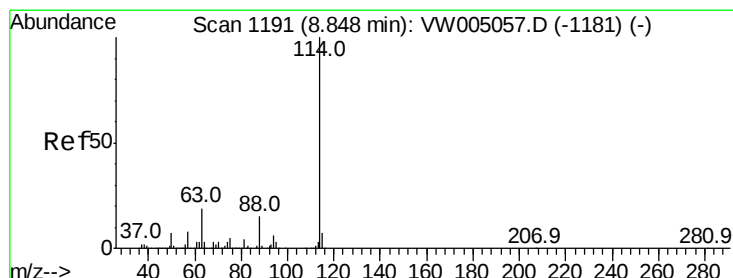
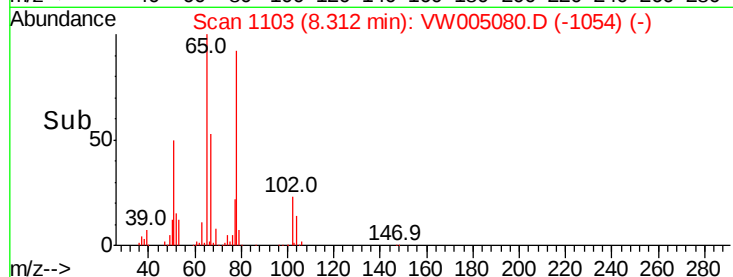
40000

20000

0

Time-->

8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

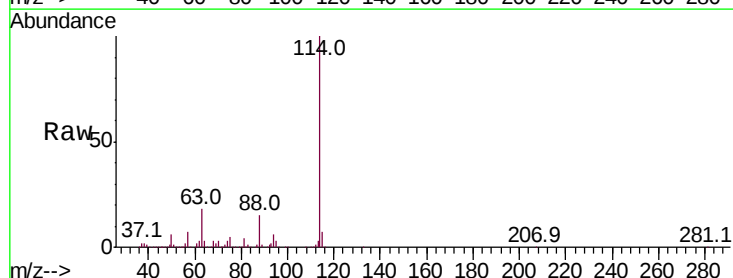
Tgt Ion: 114 Resp: 708871

Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.0

88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

500000

400000

300000

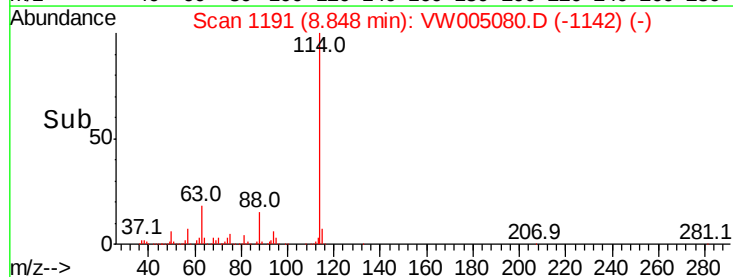
200000

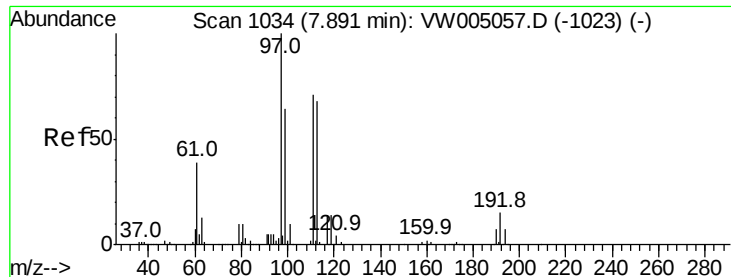
100000

0

Time-->

8.70 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 49.206 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampleId :

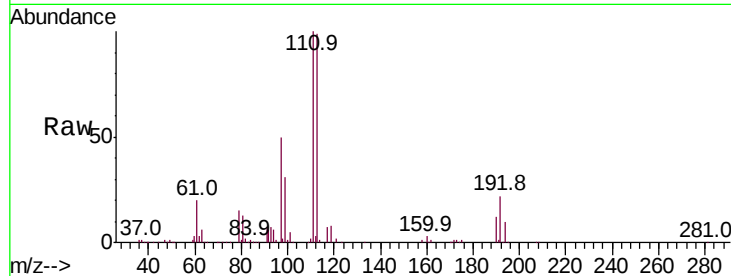
Tot Ion:113 Resp: 201572

Ion Ratio Lower Upper

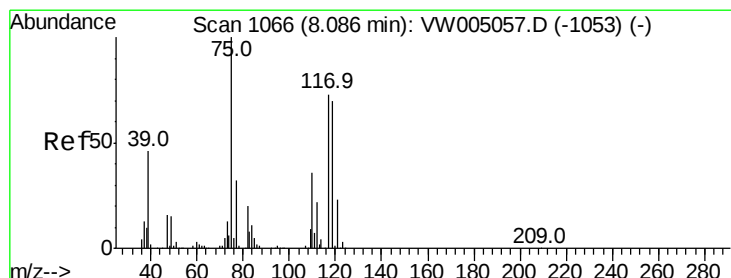
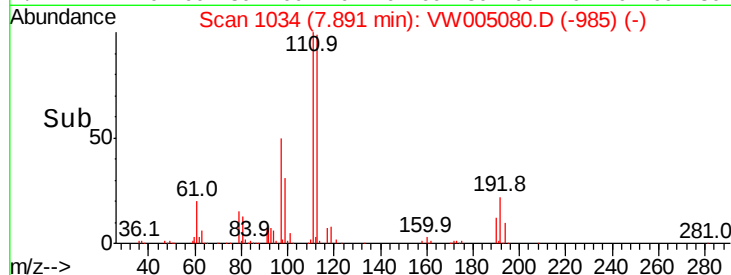
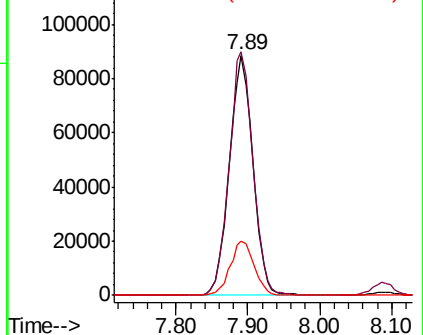
113 100

111 102.4 82.2 123.2

192 22.9 18.1 27.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.481 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

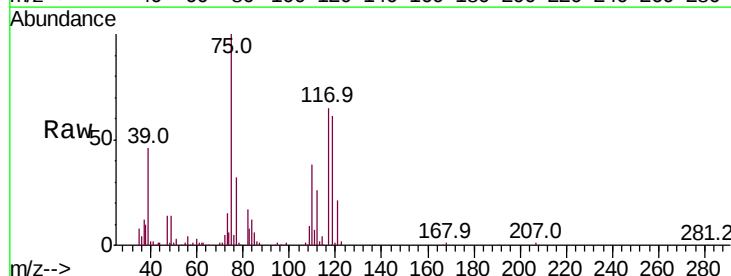
Tgt Ion: 75 Resp: 145021

Ion Ratio Lower Upper

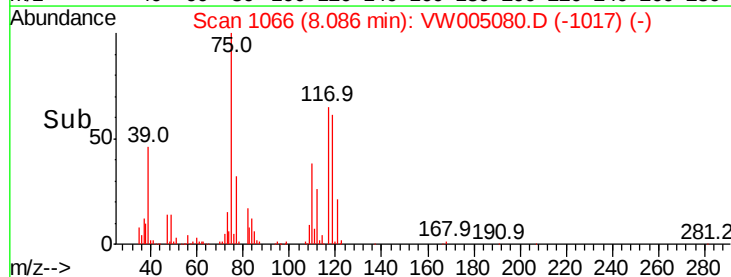
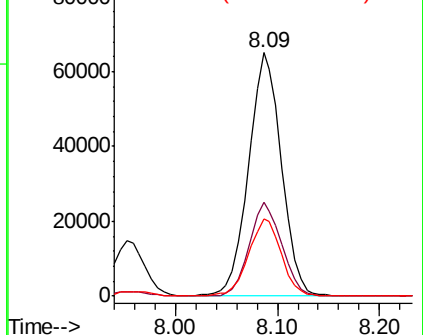
75 100

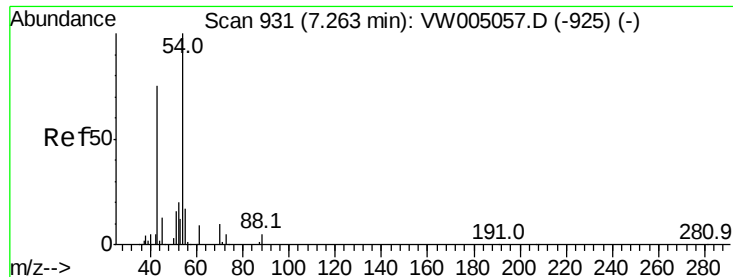
110 38.0 18.9 56.7

77 31.9 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

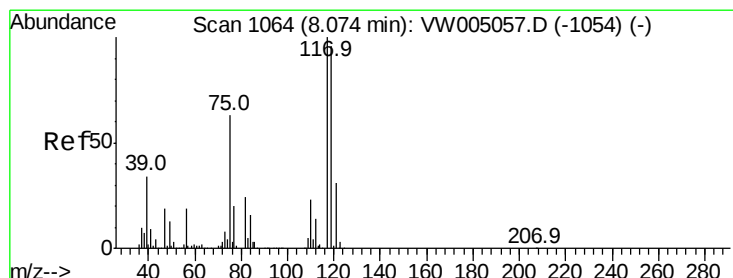
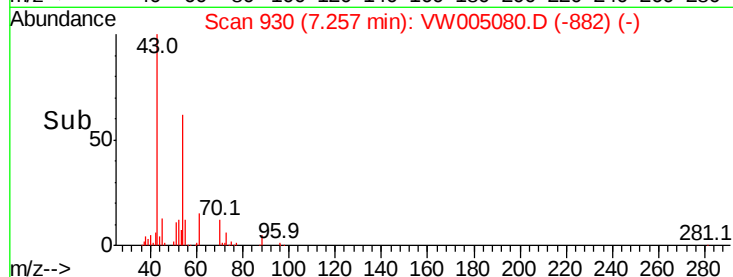
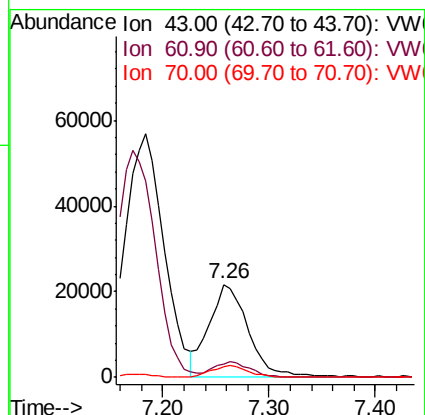
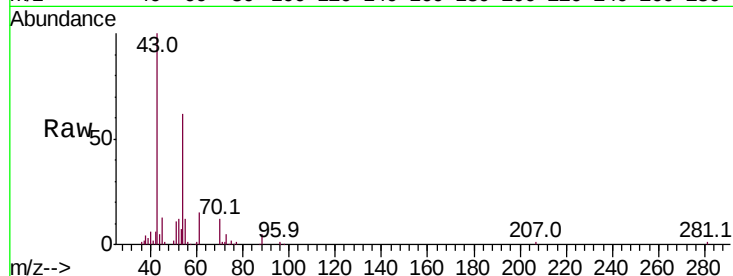




#37
Ethyl Acetate
Concen: 21.523 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

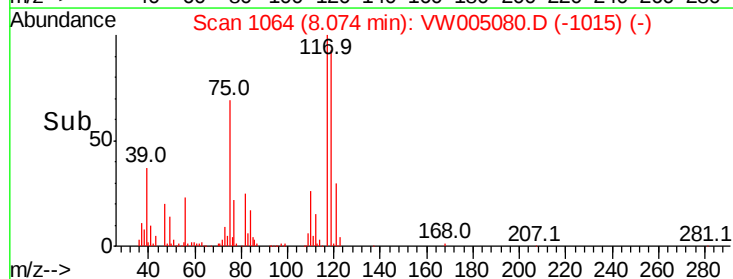
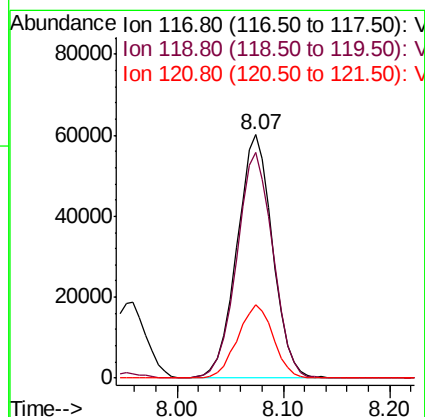
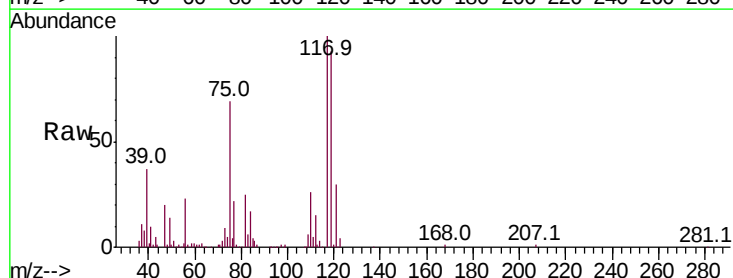
Instrument :
MSVOA_W
ClientSampleId :

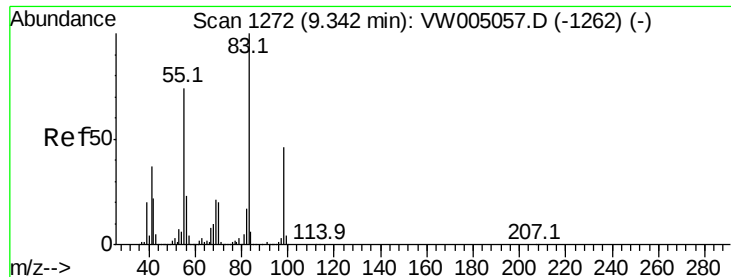
Tot Ion: 43 Resp: 54342
Ion Ratio Lower Upper
43 100
61 16.1 12.1 18.1
70 12.5 9.4 14.2



#38
Carbon Tetrachloride
Concen: 21.922 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 117 Resp: 140725
Ion Ratio Lower Upper
117 100
119 92.9 76.6 115.0
121 30.1 24.8 37.2

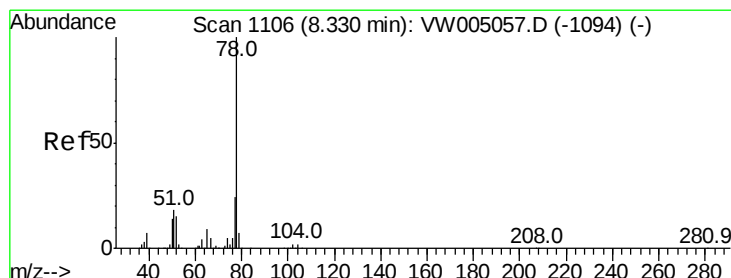
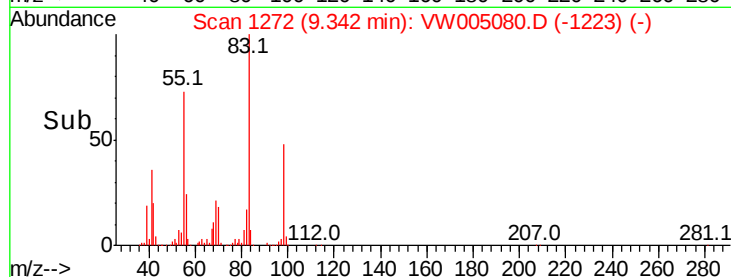
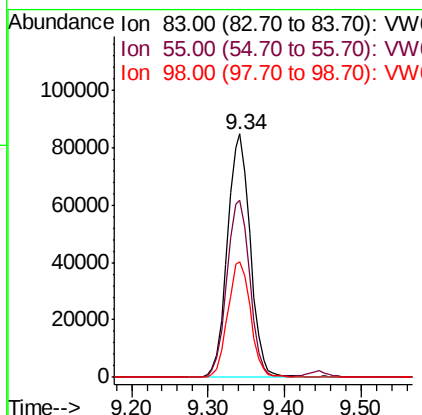
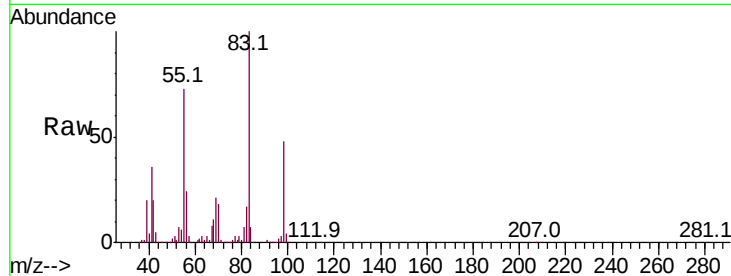




#39
Methvlcvclohexane
Concen: 21.499 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

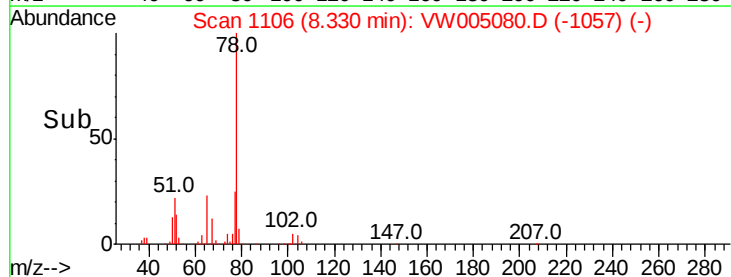
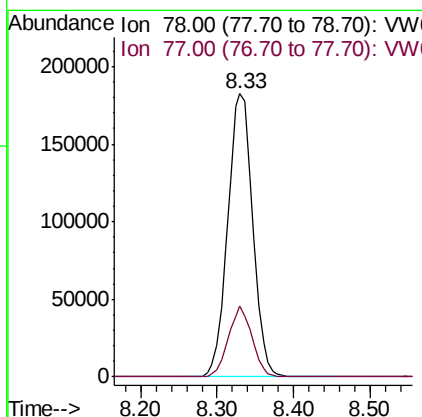
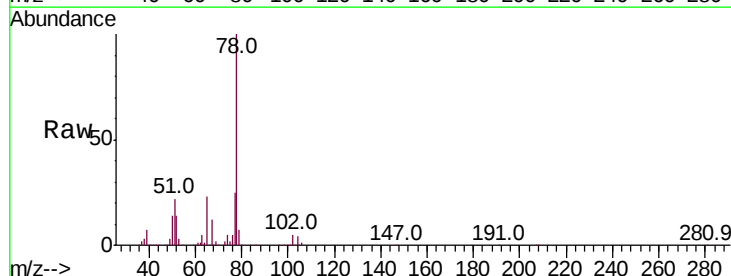
Instrument :
MSVOA_W
ClientSampled :

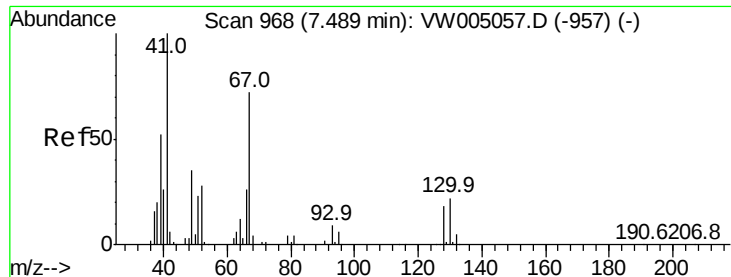
Tot Ion: 83 Resp: 175531
Ion Ratio Lower Upper
83 100
55 72.9 58.9 88.3
98 47.6 36.8 55.2



#40
Benzene
Concen: 19.914 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 78 Resp: 411577
Ion Ratio Lower Upper
78 100
77 24.9 19.4 29.0

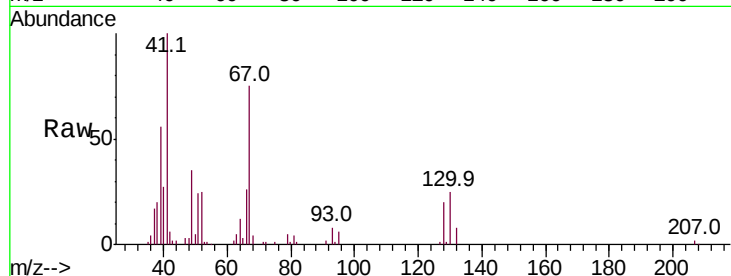




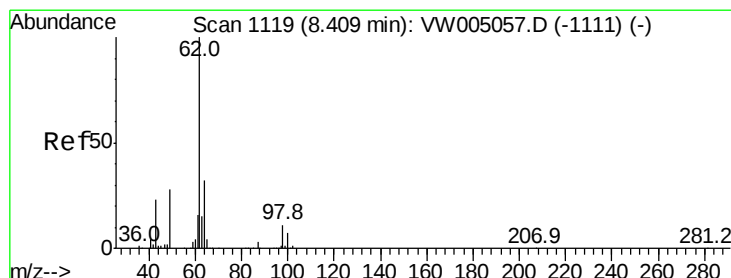
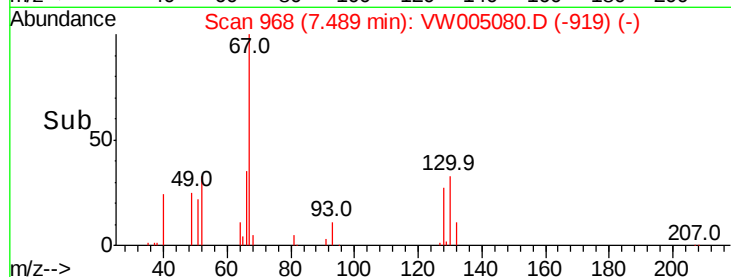
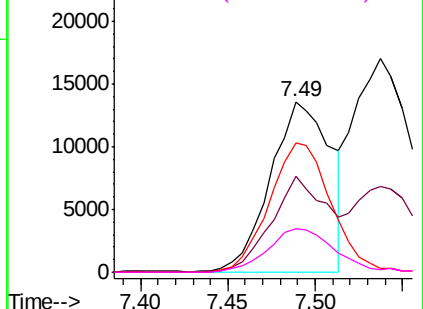
#41
Methacrylonitrile
Concen: 22.406 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	32777
Ion	Ratio	Lower	Upper
41	100		
39	51.9	41.8	62.8
67	77.0	60.4	90.6
52	29.1	23.8	35.8

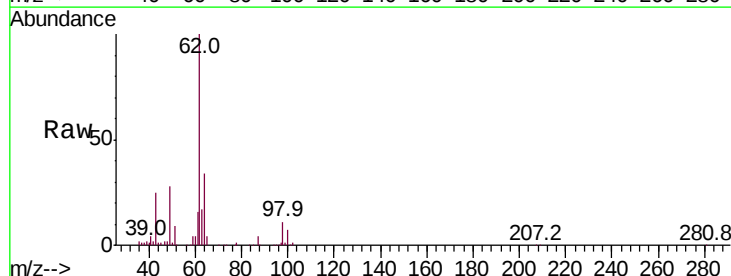


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

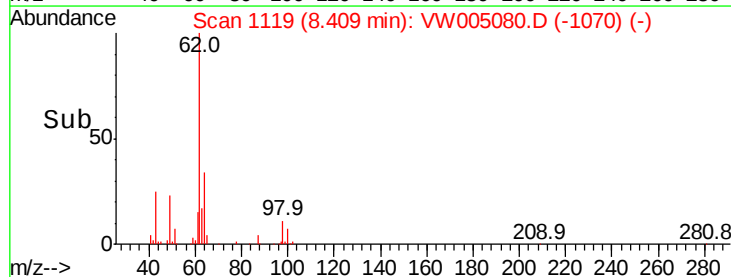
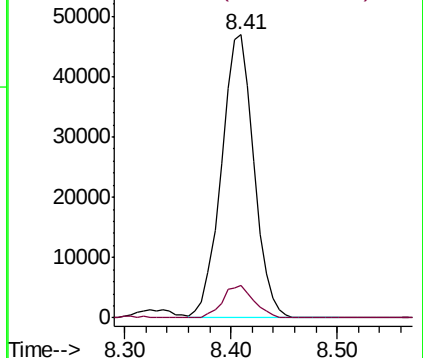


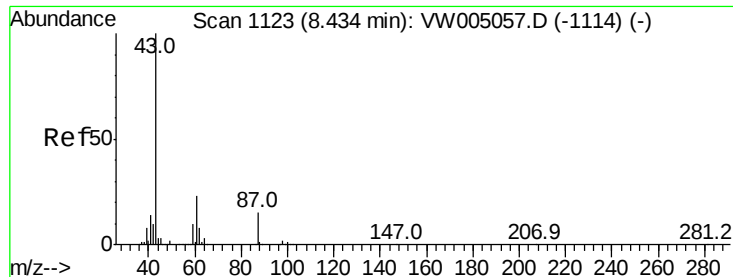
#42
1,2-Dichloroethane
Concen: 19.793 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion:	62	Resp:	100115
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.264 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

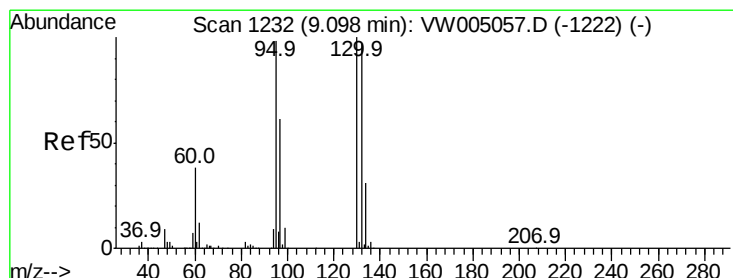
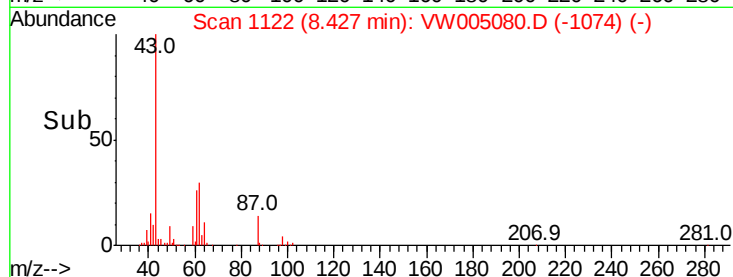
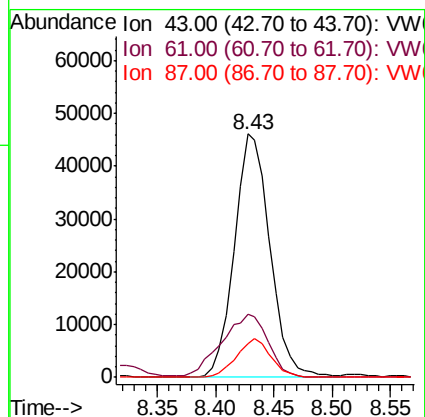
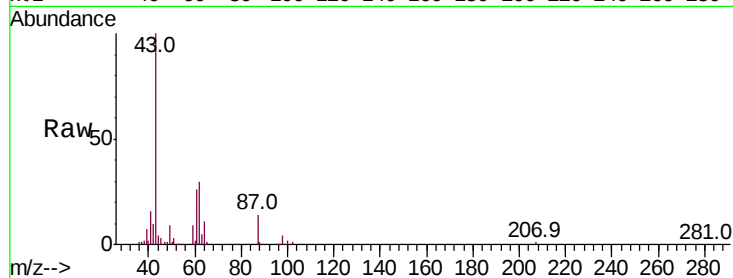
Tot Ion: 43 Resp: 97693

Ion Ratio Lower Upper

43 100

61 33.5 26.8 40.2

87 15.6 11.6 17.4



#44

Trichloroethene

Concen: 21.288 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW005080.D

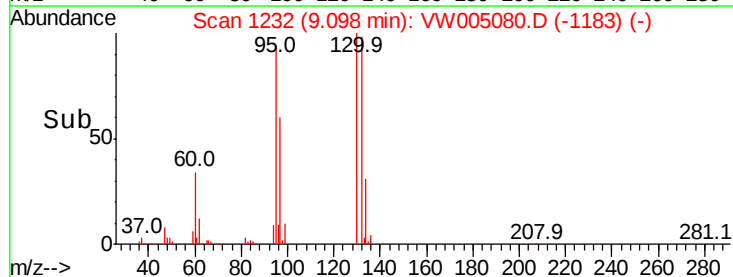
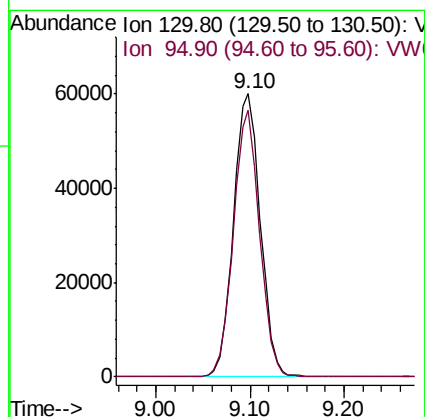
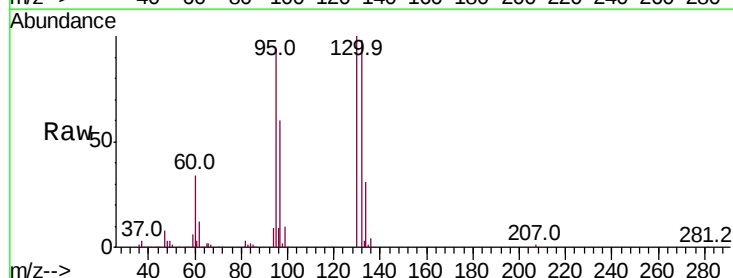
Acq: 04 Sep 2018 15:33

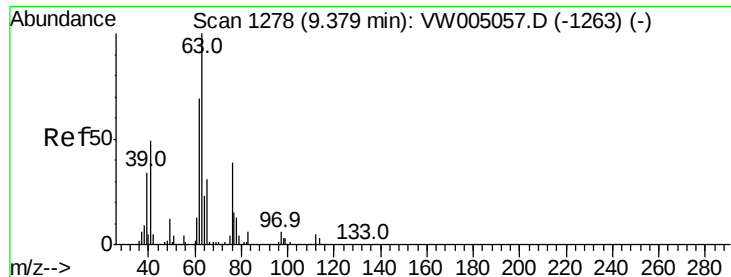
Tgt Ion:130 Resp: 118711

Ion Ratio Lower Upper

130 100

95 94.4 0.0 195.2





#45

1,2-Dichloropropane

Concen: 19.919 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

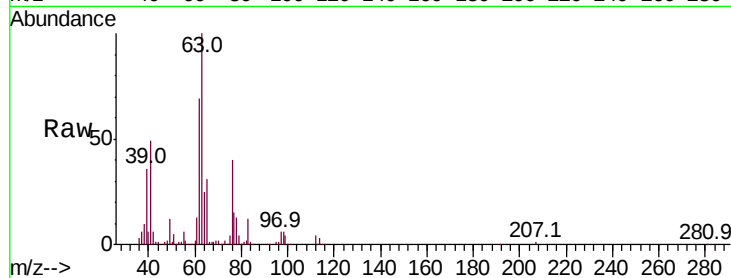
ClientSampled :

Tot Ion: 63 Resp: 100571

Ion Ratio Lower Upper

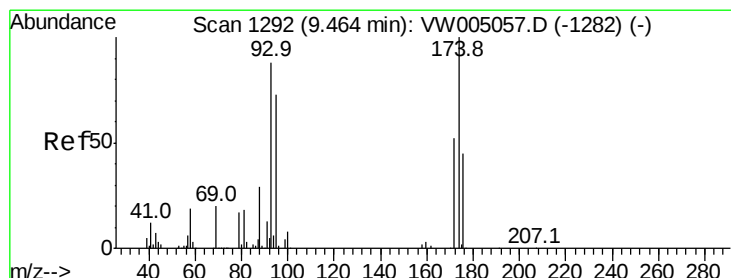
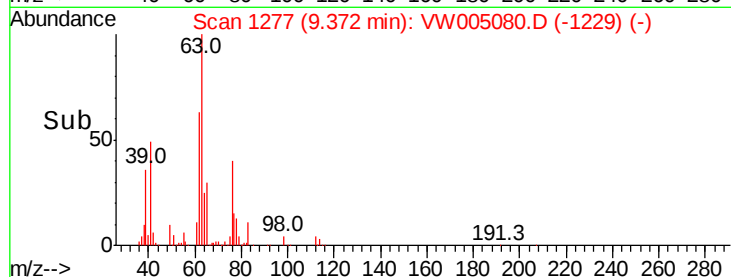
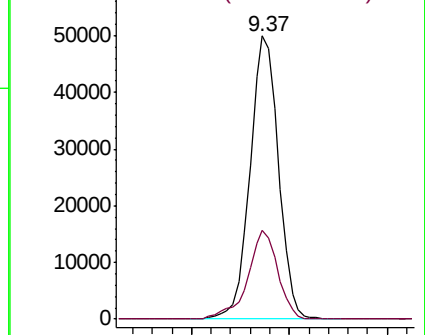
63 100

65 31.3 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.226 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

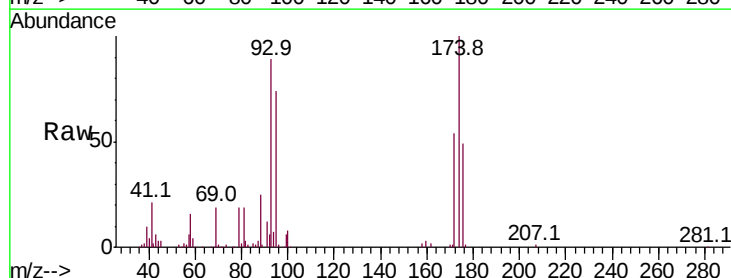
Tgt Ion: 93 Resp: 48833

Ion Ratio Lower Upper

93 100

95 87.0 66.2 99.4

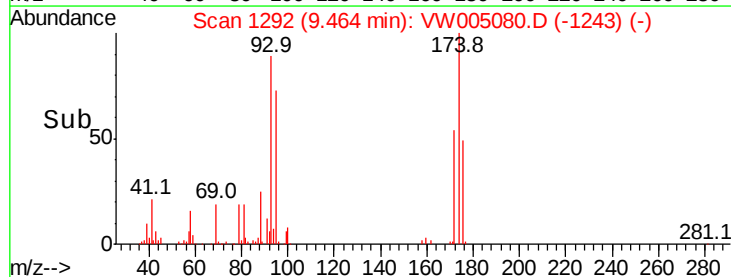
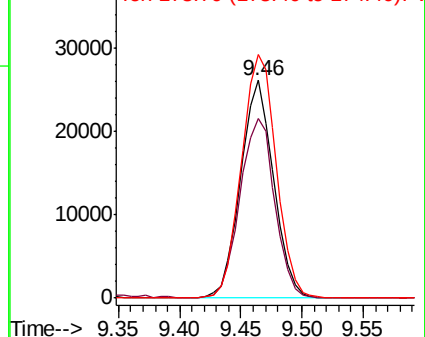
174 117.7 92.0 138.0

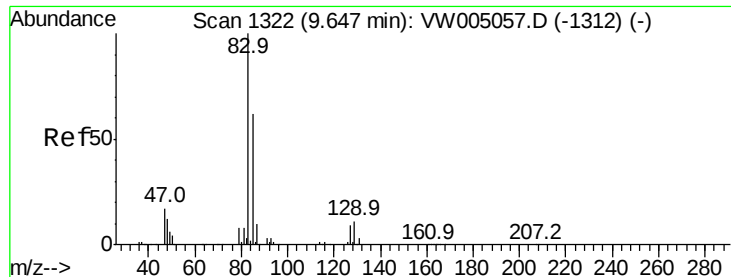


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.495 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

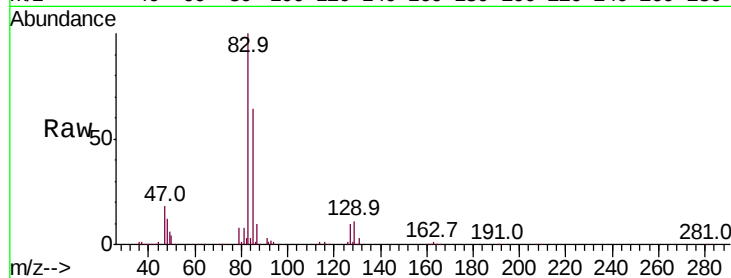
Tot Ion: 83 Resp: 124591

Ion Ratio Lower Upper

83 100

85 64.0 49.8 74.6

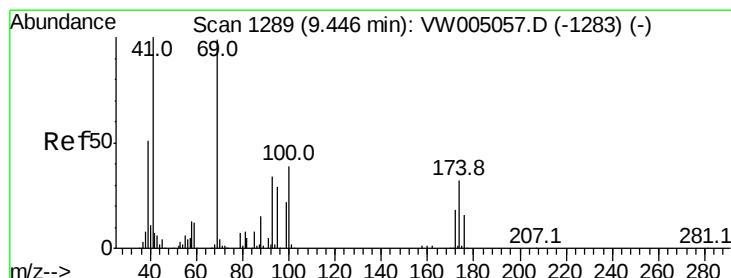
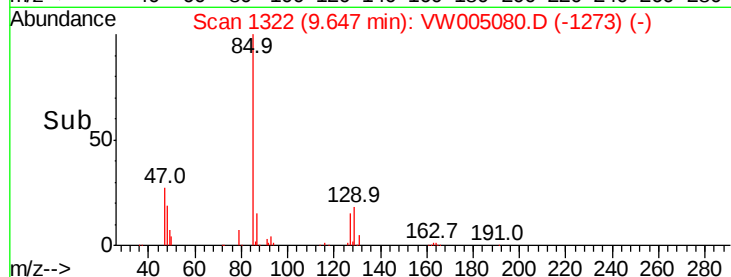
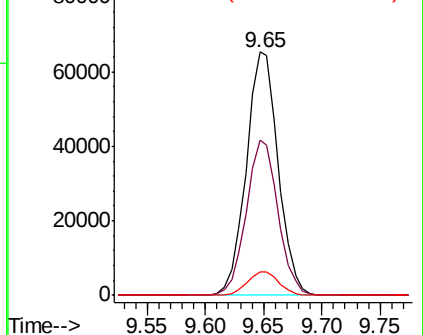
127 9.6 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.238 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

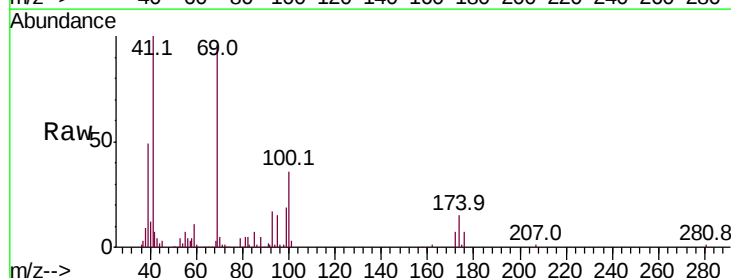
Tgt Ion: 41 Resp: 44773

Ion Ratio Lower Upper

41 100

69 104.8 80.4 120.6

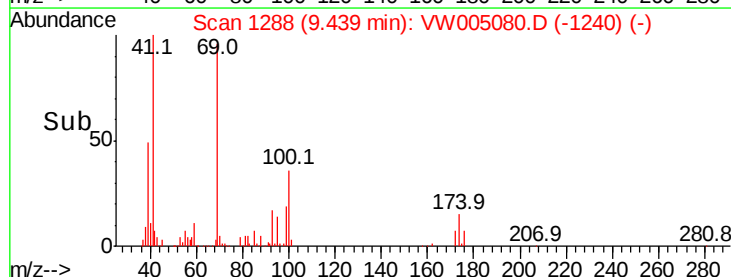
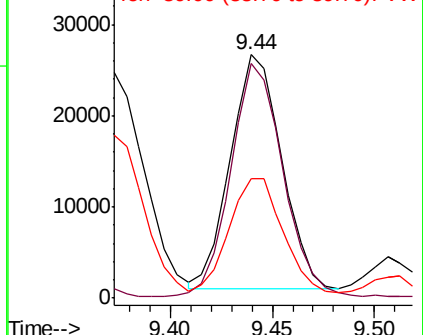
39 56.1 43.5 65.3

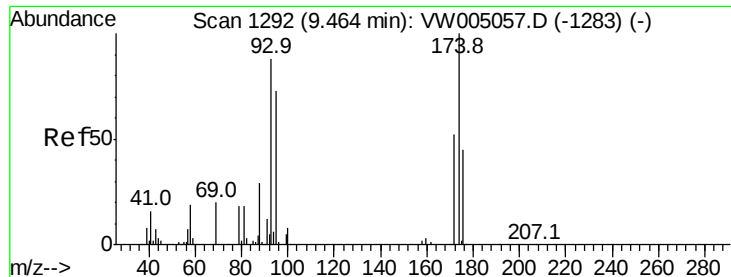


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 431.495 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampled :

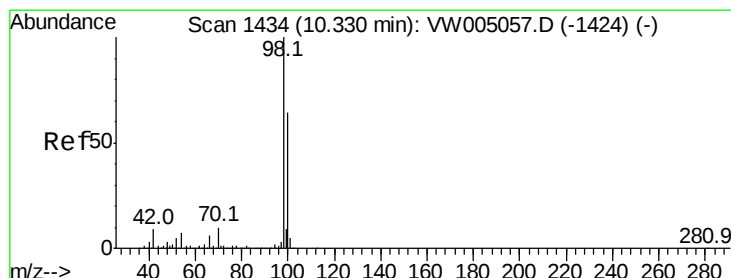
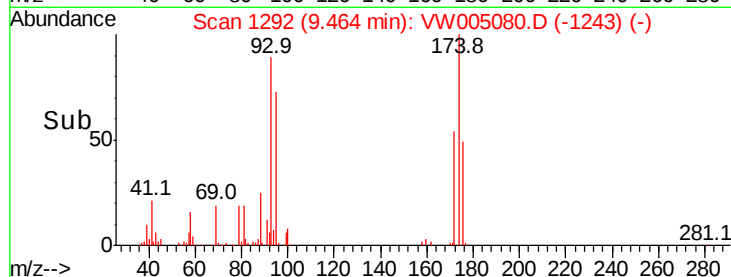
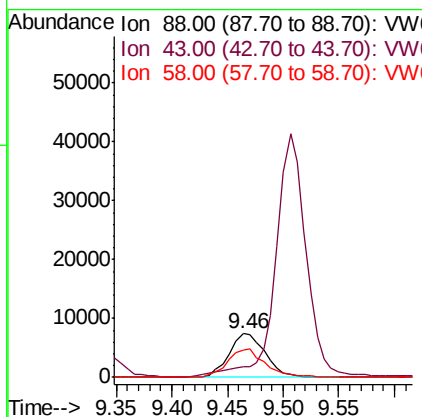
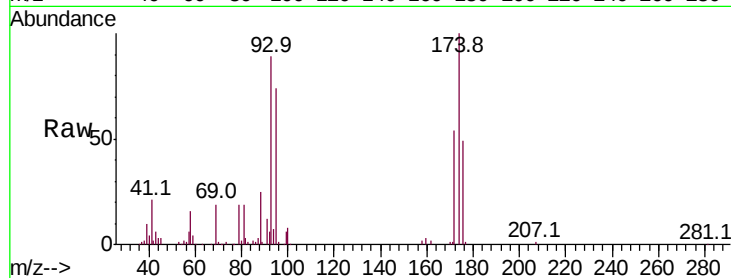
Tot Ion: 88 Resp: 16847

Ion Ratio Lower Upper

88 100

43 0.0 19.8 29.6#

58 68.0 57.1 85.7



#50

Toluene-d8

Concen: 50.595 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005080.D

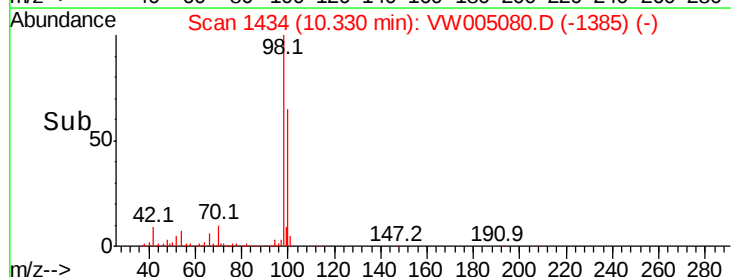
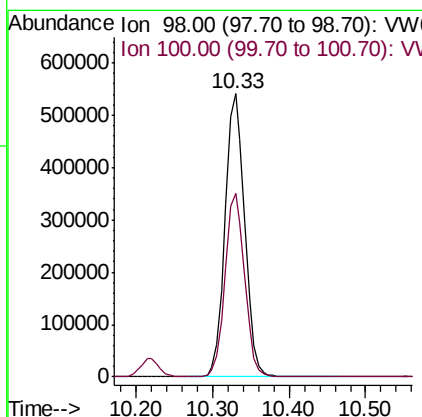
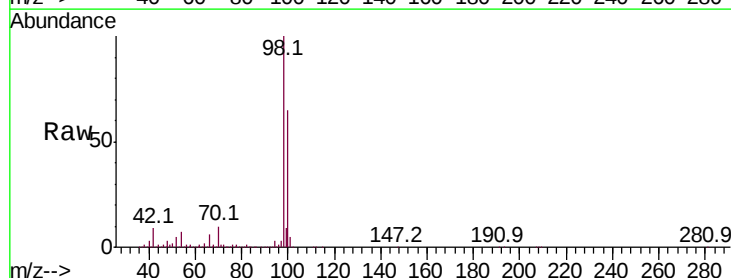
Acq: 04 Sep 2018 15:33

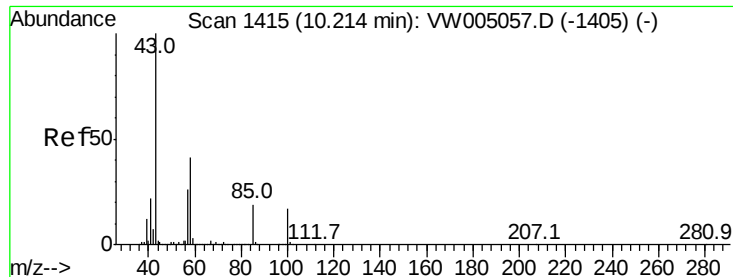
Tgt Ion: 98 Resp: 955020

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 112.729 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

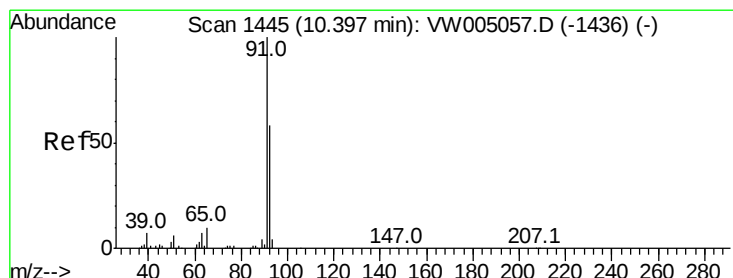
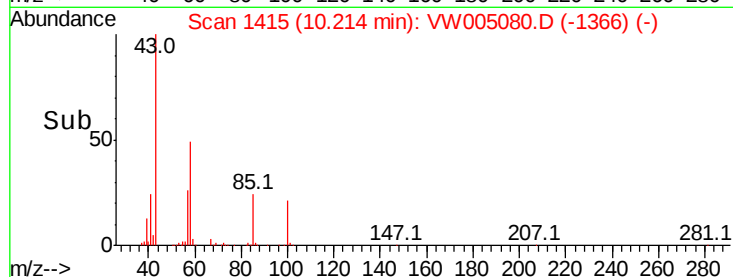
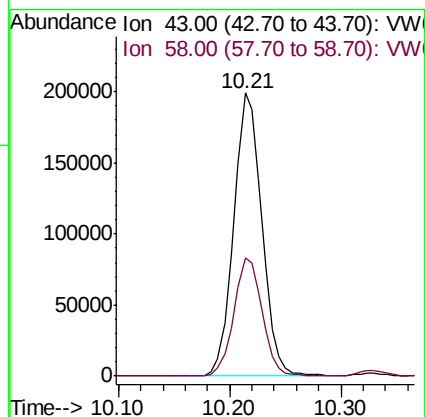
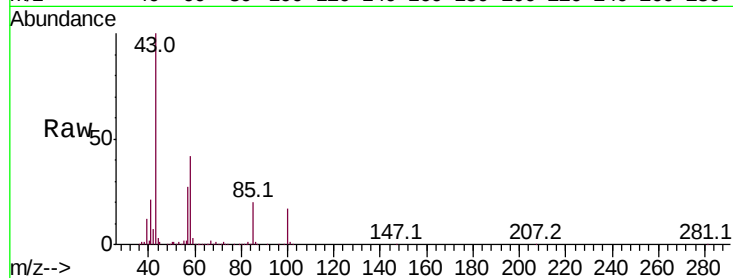
ClientSampled :

Tot Ion: 43 Resp: 347107

Ion Ratio Lower Upper

43 100

58 42.1 33.3 49.9



#52

Toluene

Concen: 20.904 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW005080.D

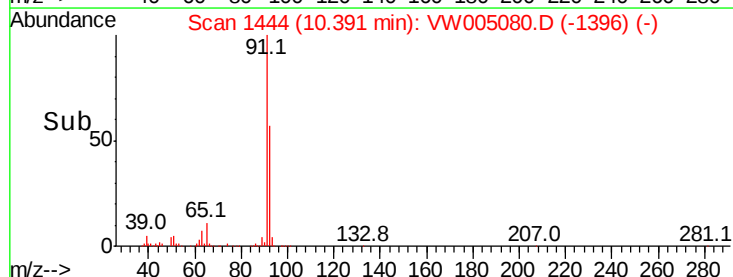
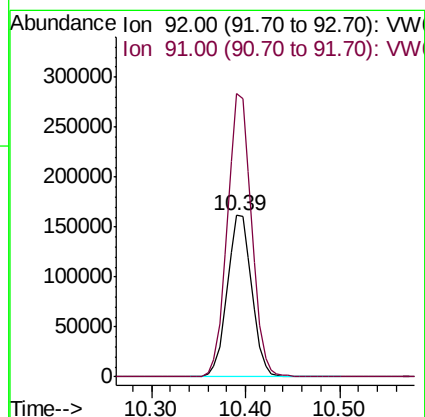
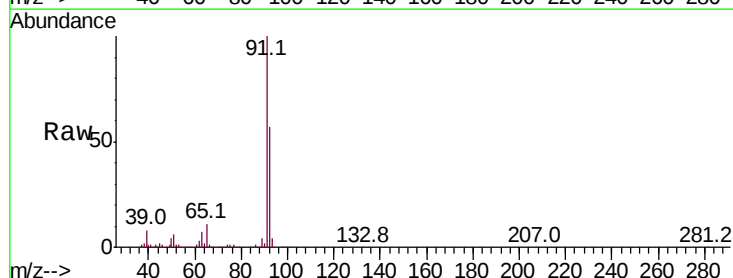
Acq: 04 Sep 2018 15:33

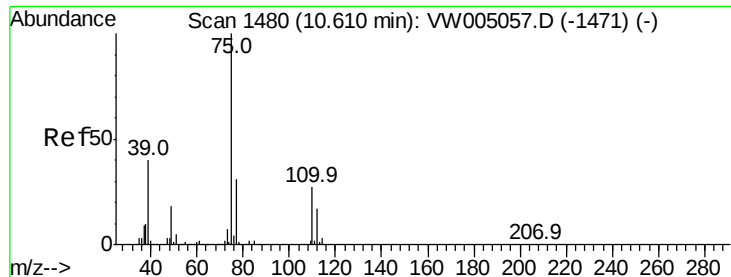
Tgt Ion: 92 Resp: 292745

Ion Ratio Lower Upper

92 100

91 172.9 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 21.962 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

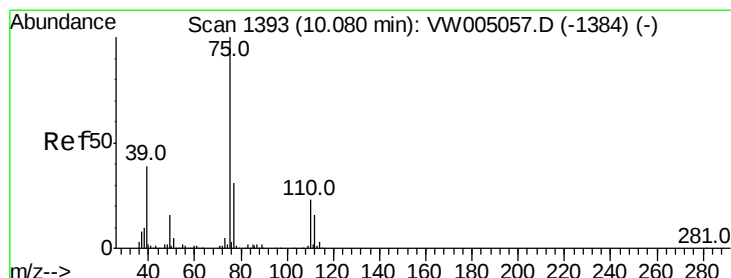
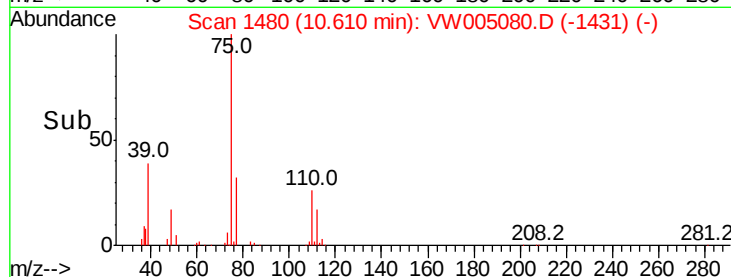
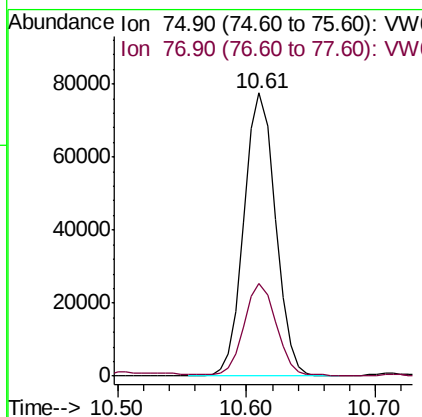
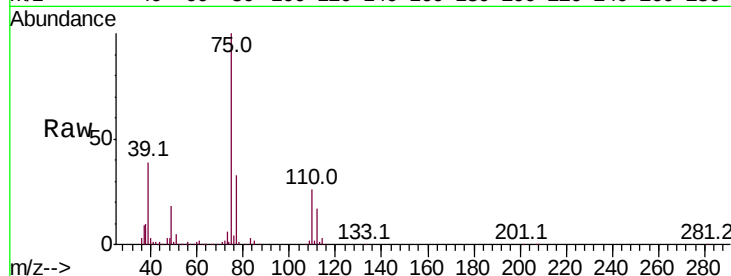
ClientSampled :

Tot Ion: 75 Resp: 131189

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 22.043 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

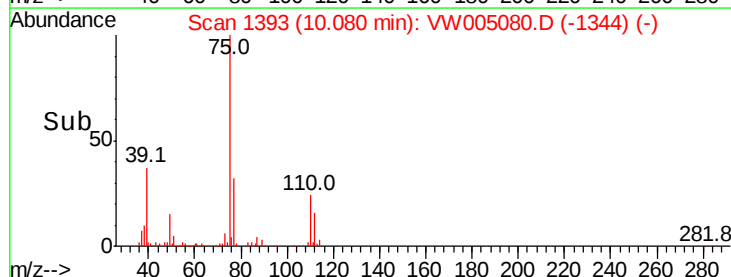
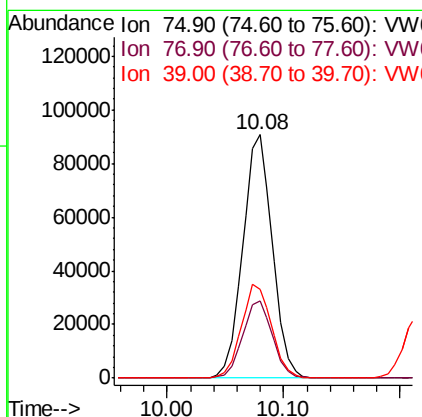
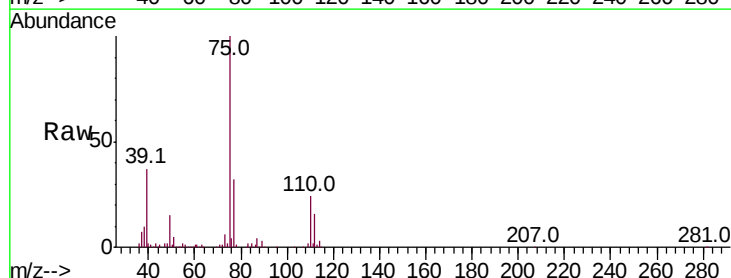
Tgt Ion: 75 Resp: 160136

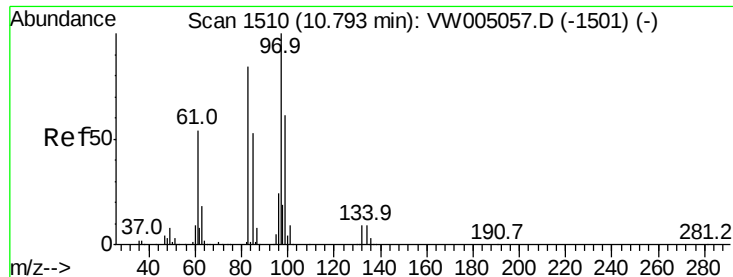
Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3

39 36.6 31.0 46.6





#55

1,1,2-Trichloroethane

Concen: 21.700 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

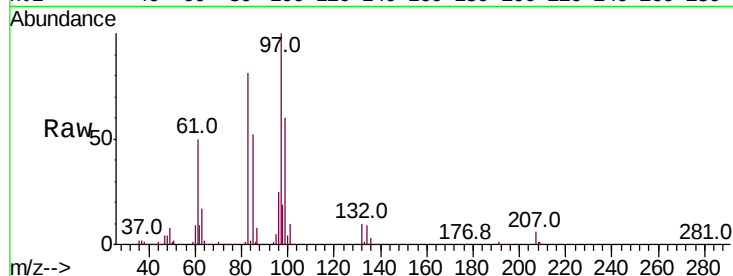
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 81116

Ion	Ratio	Lower	Upper
97	100		
83	80.6	67.0	100.6
85	51.7	42.3	63.5
99	60.1	48.5	72.7



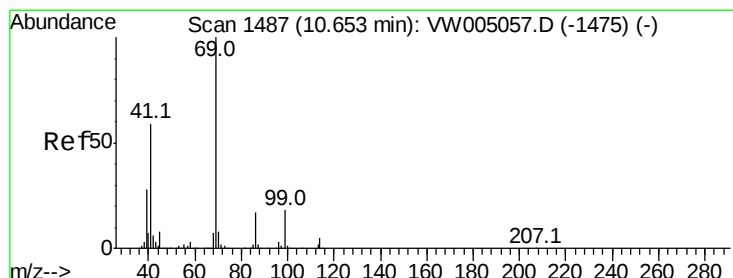
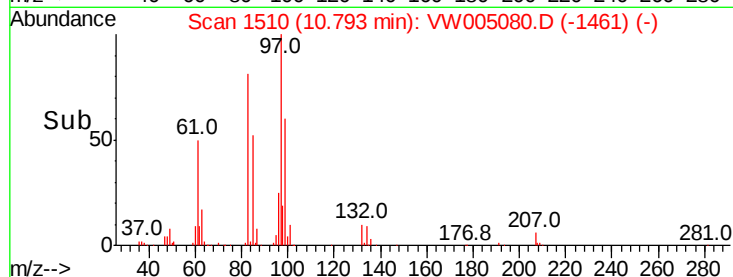
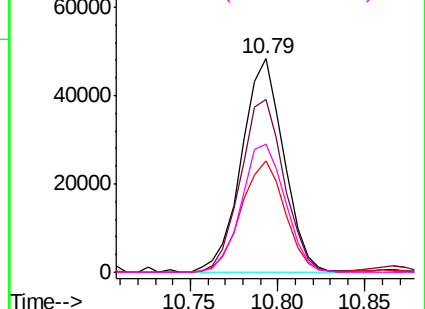
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 22.299 ug/l

RT: 10.65 min Scan# 1487

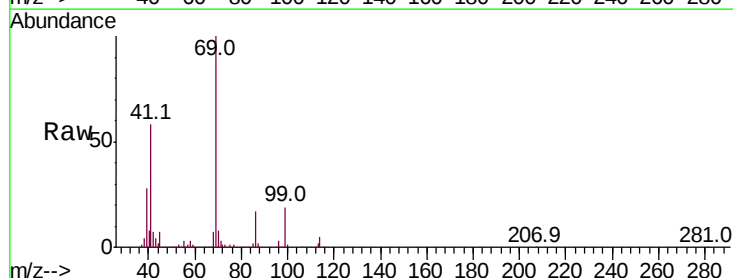
Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Tgt Ion: 69 Resp: 95098

Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.8	71.6
39	24.8	21.1	31.7

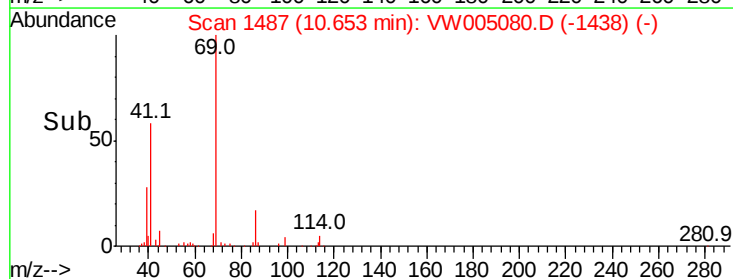
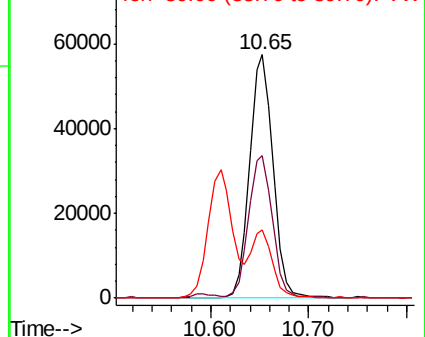


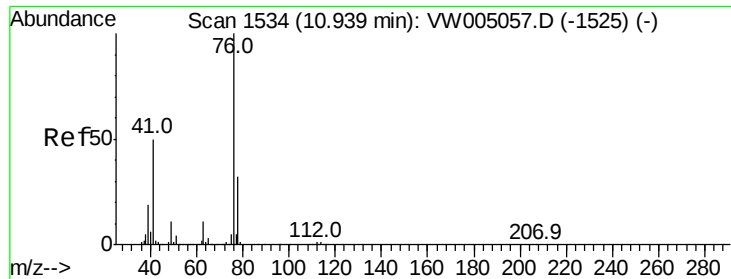
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.582 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

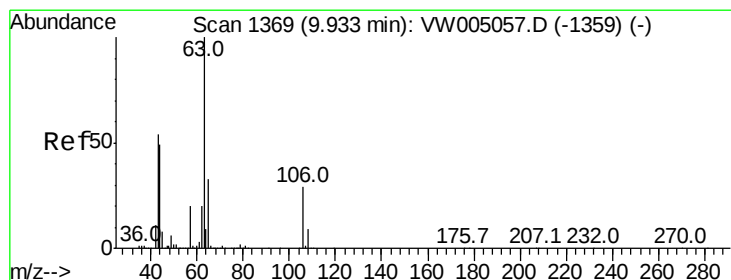
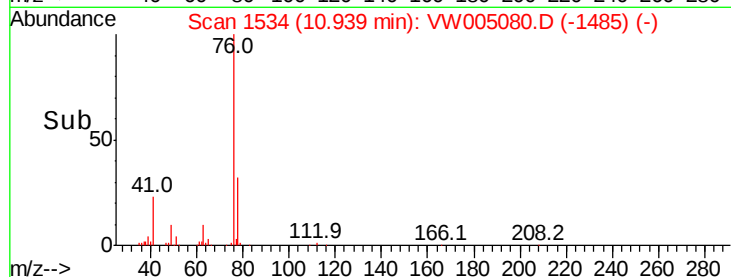
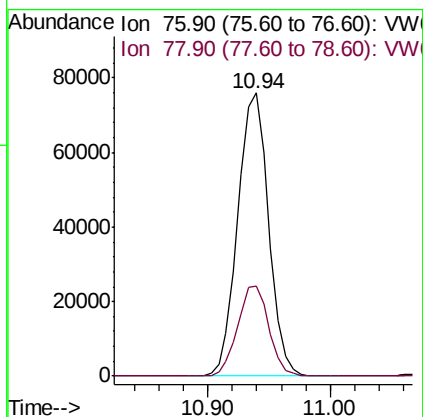
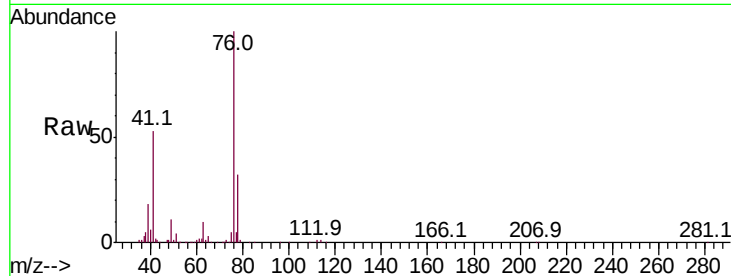
ClientSampleId :

Tot Ion: 76 Resp: 132816

Ion Ratio Lower Upper

76 100

78 32.3 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 108.489 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW005080.D

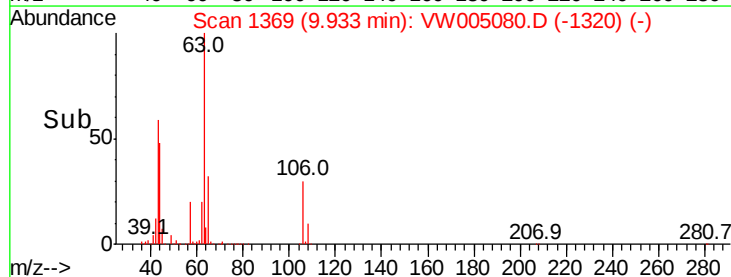
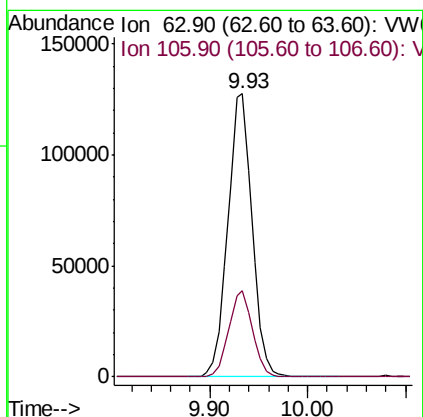
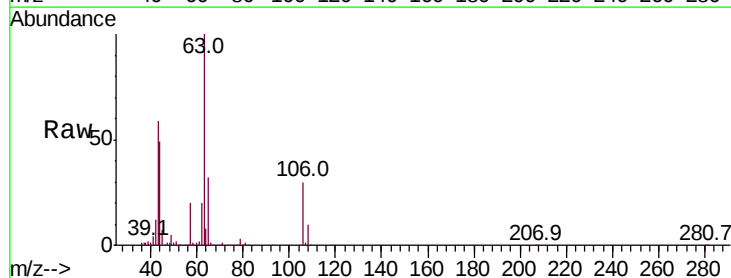
Acq: 04 Sep 2018 15:33

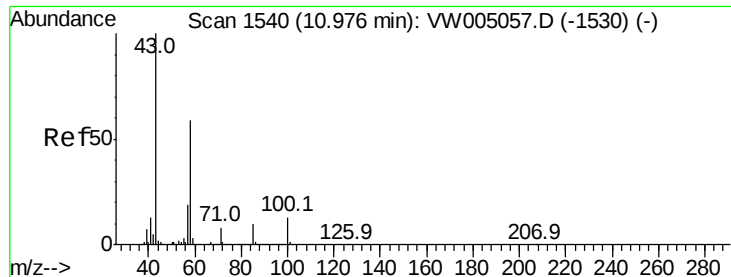
Tgt Ion: 63 Resp: 219234

Ion Ratio Lower Upper

63 100

106 29.9 23.1 34.7

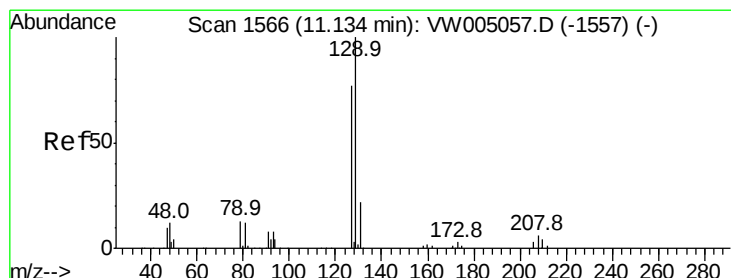
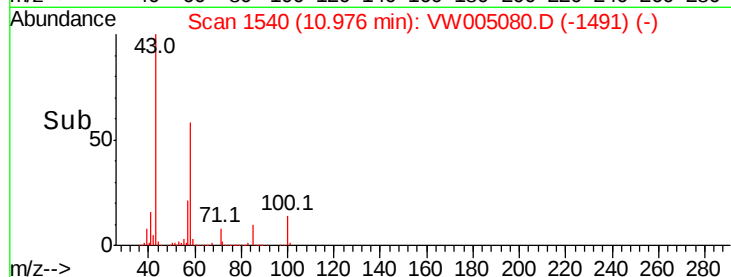
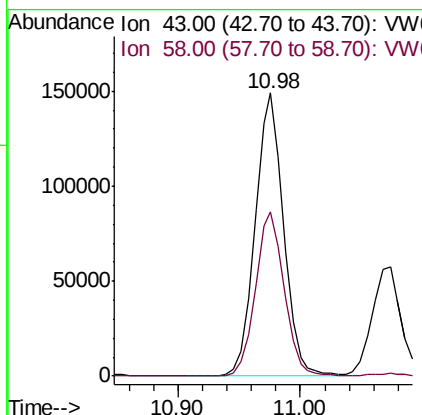
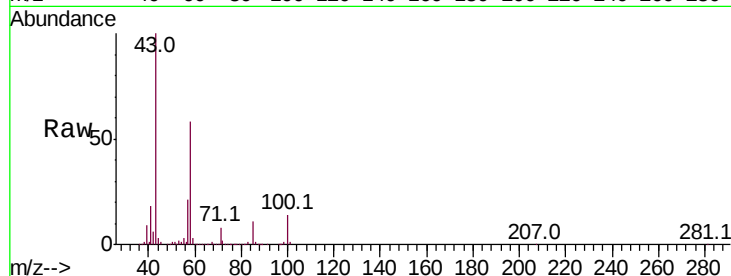




#59
2-Hexanone
Concen: 115.553 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

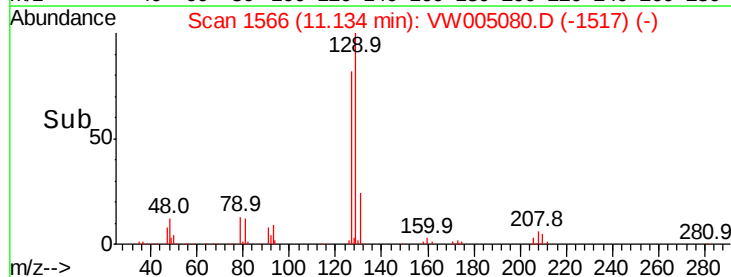
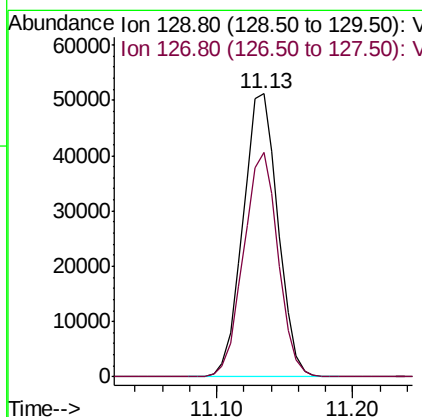
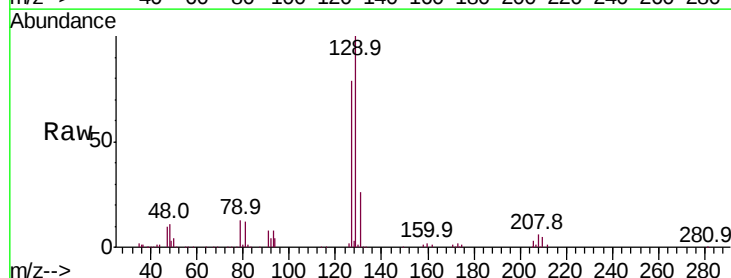
Instrument :
MSVOA_W
ClientSampleId :

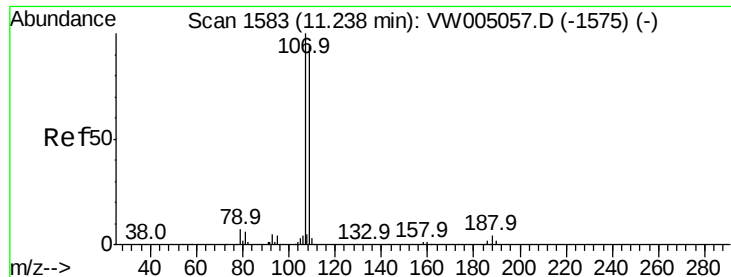
Tot Ion: 43 Resp: 240652
Ion Ratio Lower Upper
43 100
58 58.8 28.7 86.3



#60
Dibromochloromethane
Concen: 21.811 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 129 Resp: 92173
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7

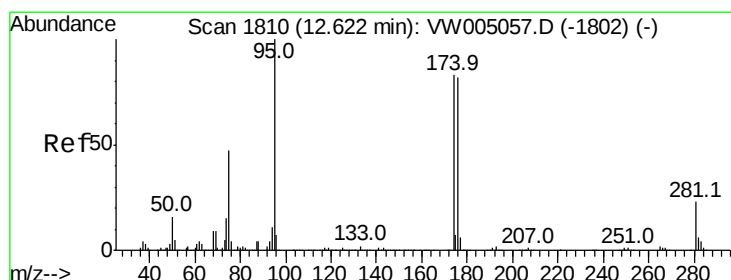
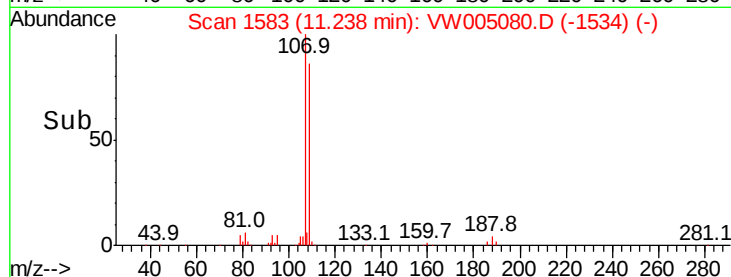
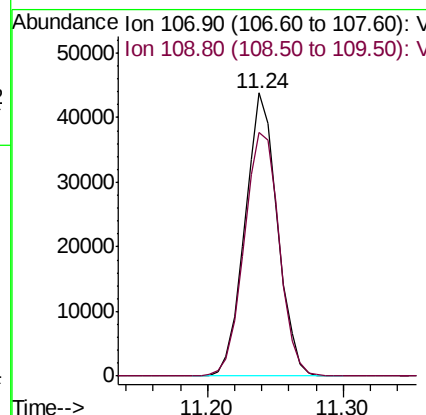
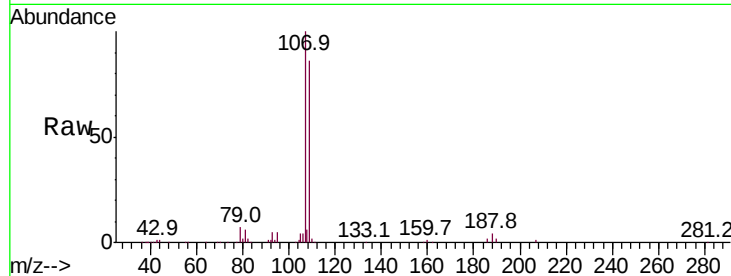




#61
 1,2-Dibromoethane
 Concen: 21.615 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

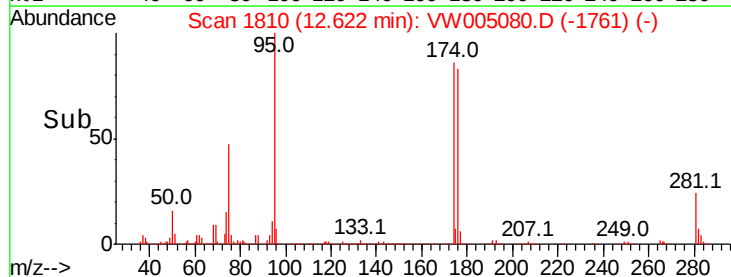
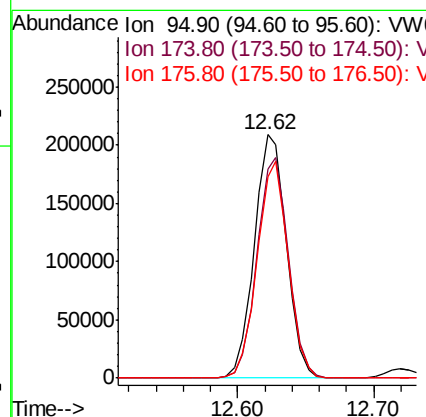
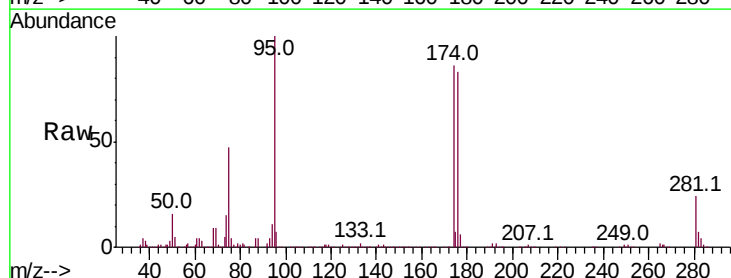
Instrument :
 MSVOA_W
 ClientSampleId :

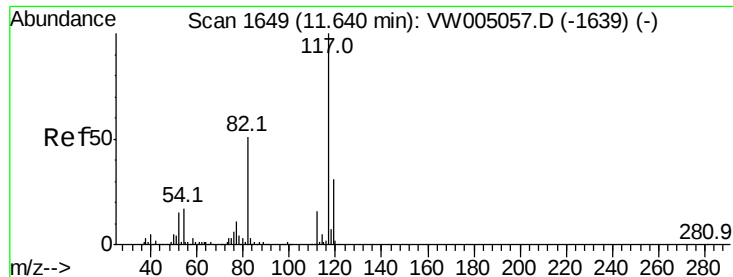
Tot Ion:107 Resp: 72946
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 51.843 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Tgt Ion: 95 Resp: 345058
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 173.4
 176 86.4 0.0 167.4

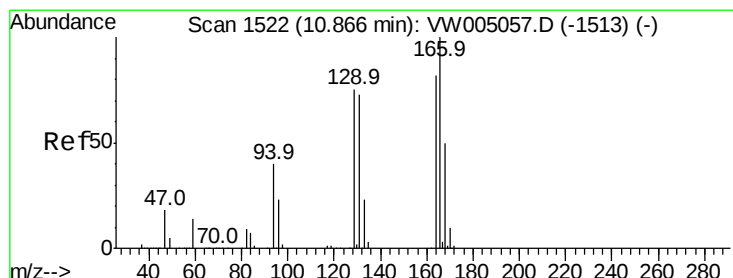
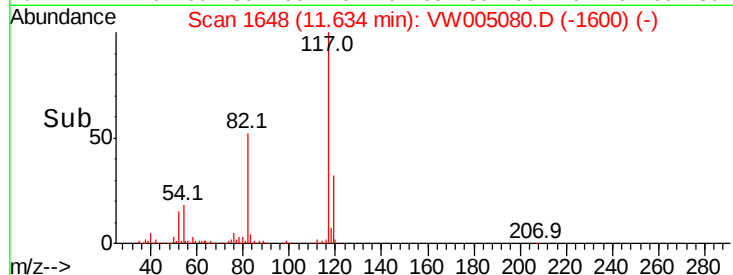
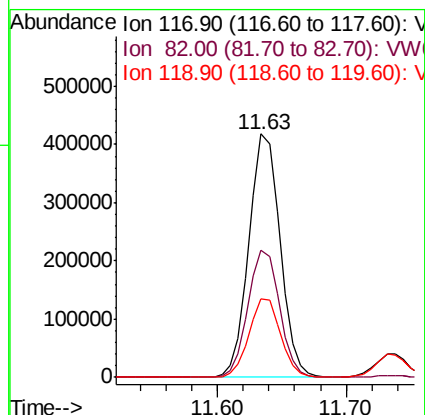
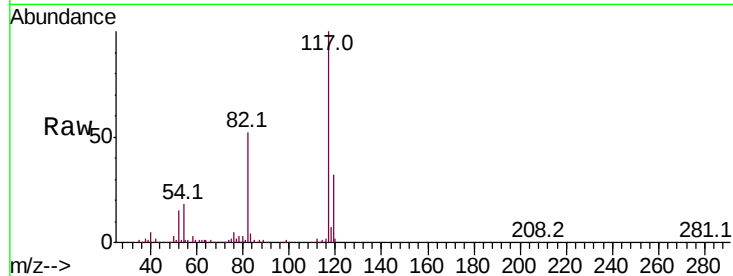




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

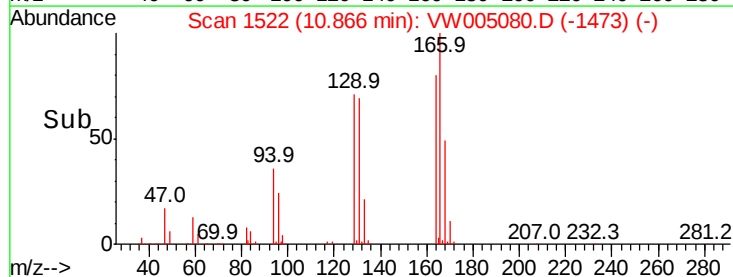
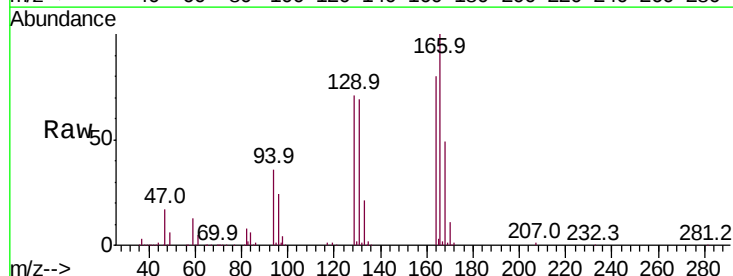
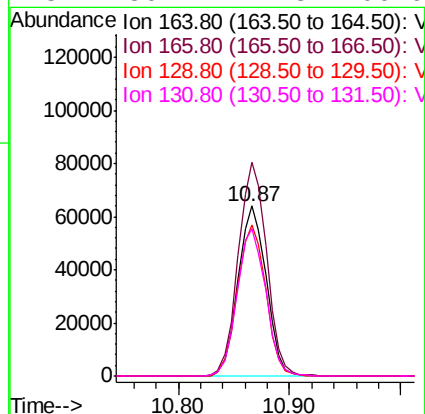
Instrument :
MSVOA_W
ClientSampled :

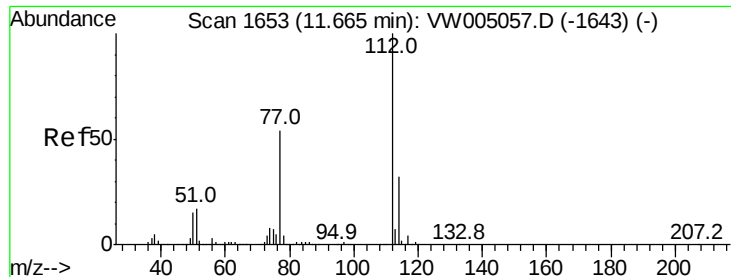
Tot Ion:117 Resp: 699028
Ion Ratio Lower Upper
117 100
82 52.4 40.9 61.3
119 32.2 24.9 37.3



#64
Tetrachloroethene
Concen: 20.446 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion:164 Resp: 112137
Ion Ratio Lower Upper
164 100
166 125.7 97.3 145.9
129 89.2 73.1 109.7
131 86.4 71.3 106.9





#65

Chlorobenzene

Concen: 20.872 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

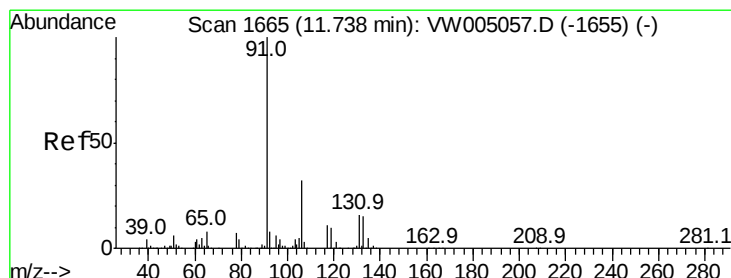
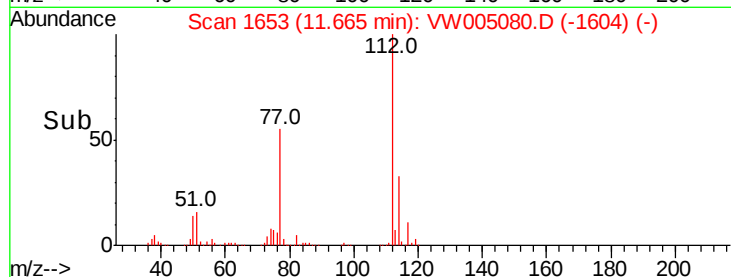
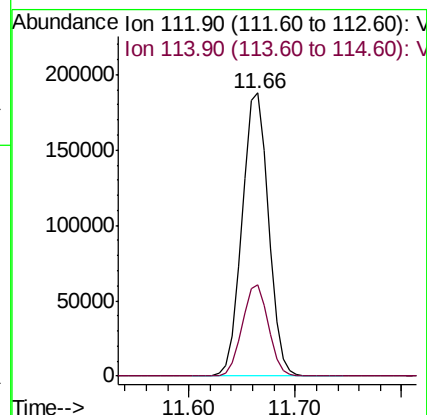
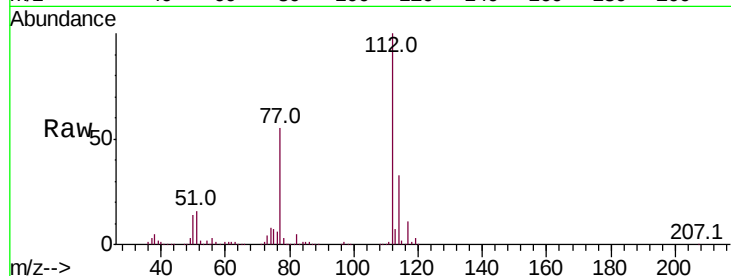
ClientSampled :

Tot Ion:112 Resp: 328459

Ion Ratio Lower Upper

112 100

114 32.5 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 21.373 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

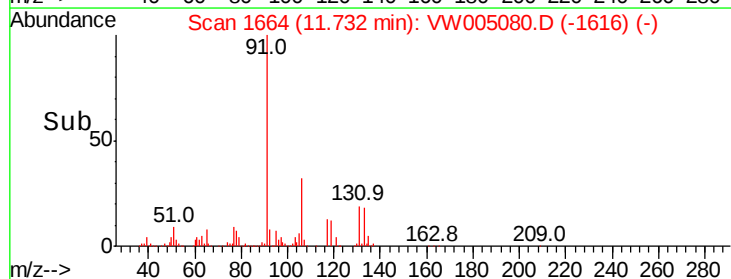
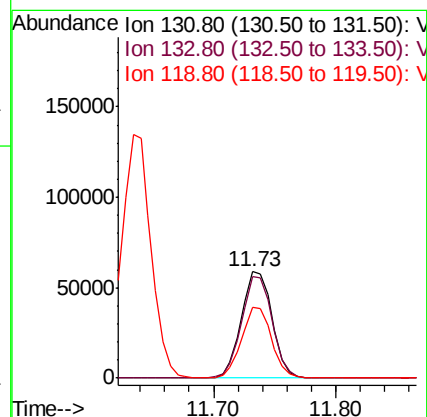
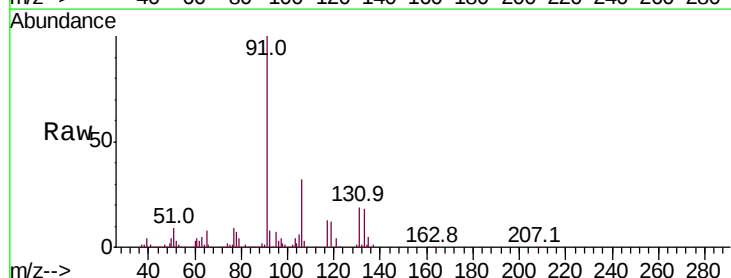
Tgt Ion:131 Resp: 102781

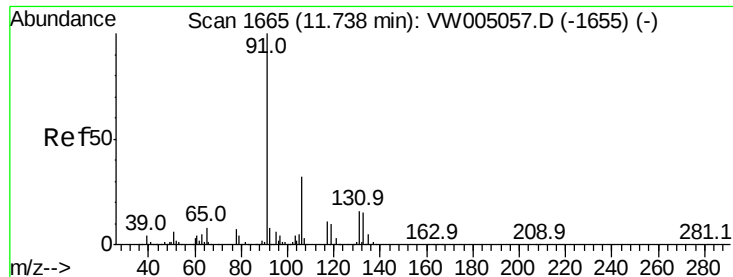
Ion Ratio Lower Upper

131 100

133 95.4 47.4 142.3

119 65.1 33.4 100.1





#67

Ethyl Benzene

Concen: 21.061 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

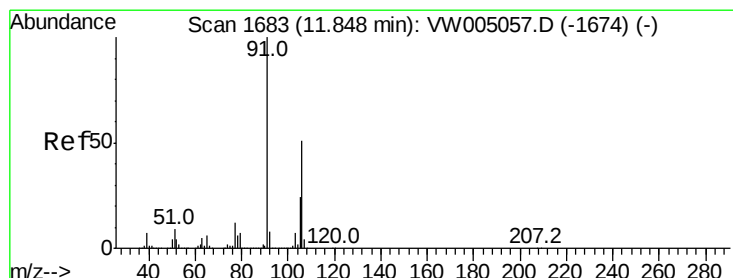
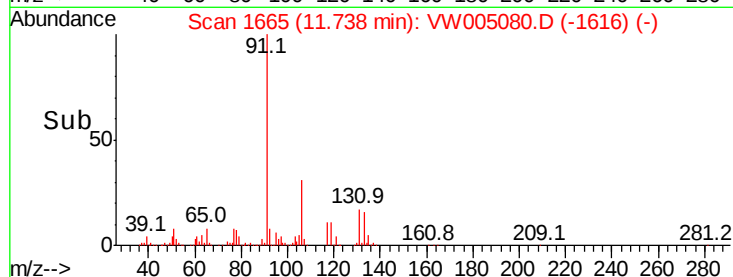
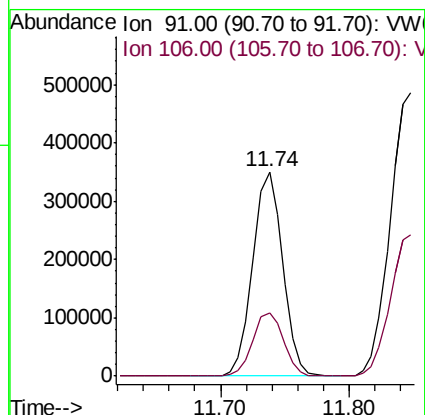
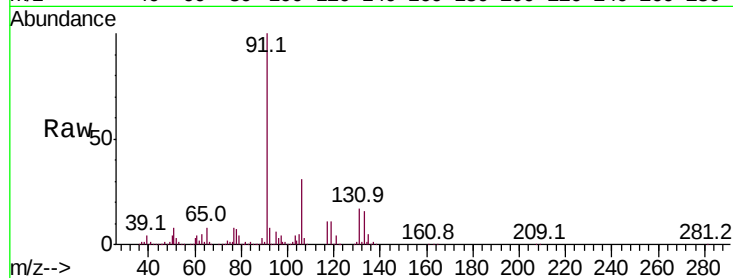
ClientSampled :

Tot Ion: 91 Resp: 560302

Ion Ratio Lower Upper

91 100

106 31.3 25.3 37.9



#68

m/p-Xylenes

Concen: 43.278 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW005080.D

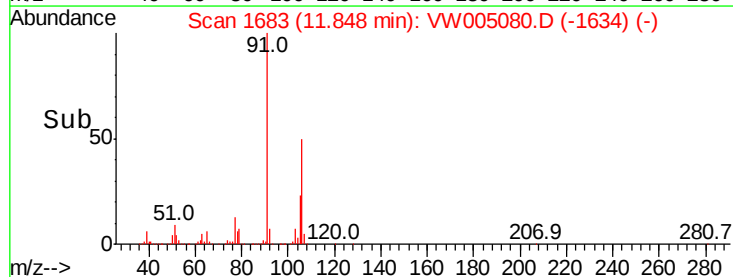
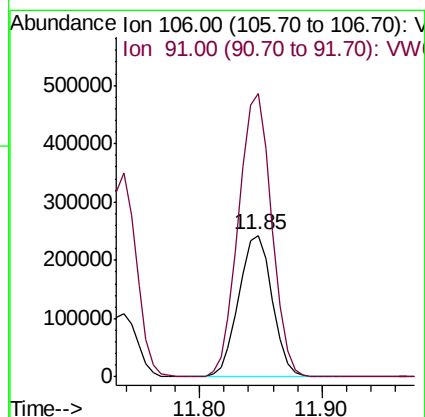
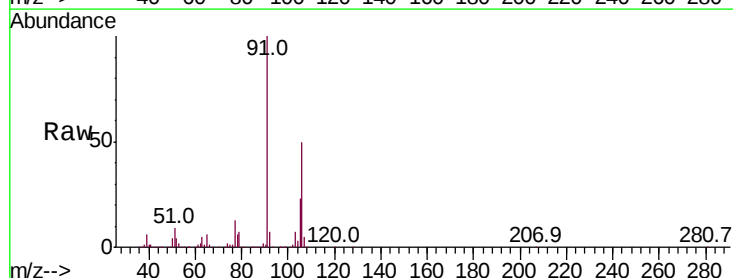
Acq: 04 Sep 2018 15:33

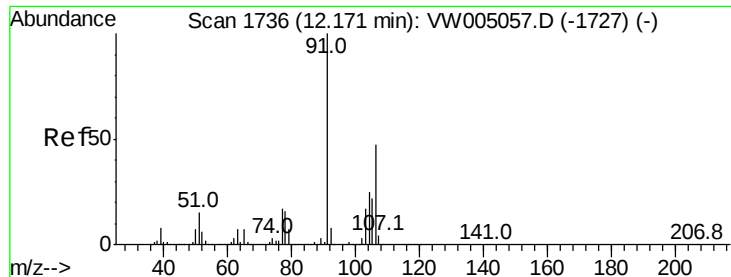
Tgt Ion:106 Resp: 460994

Ion Ratio Lower Upper

106 100

91 198.1 158.4 237.6

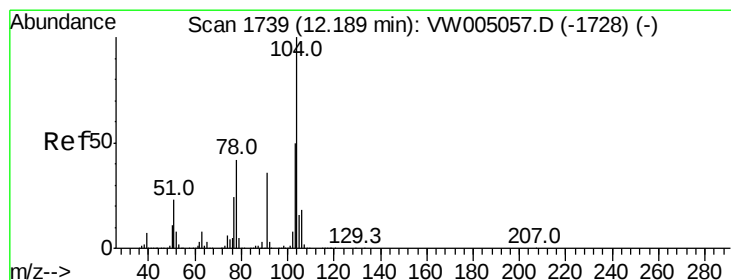
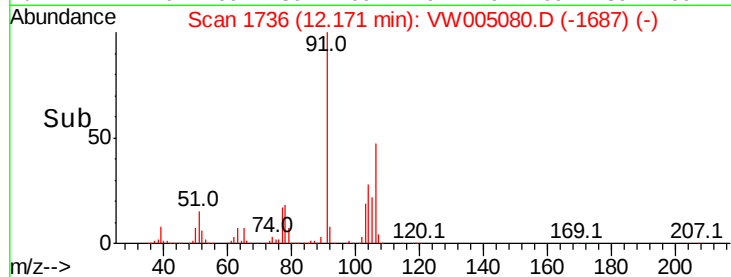
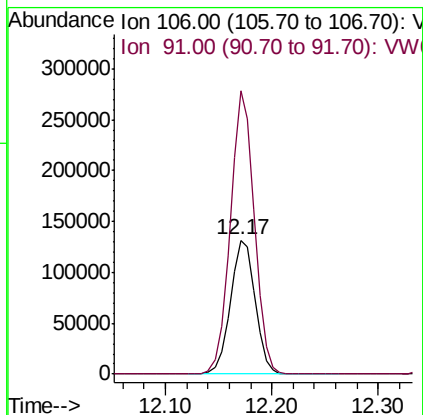
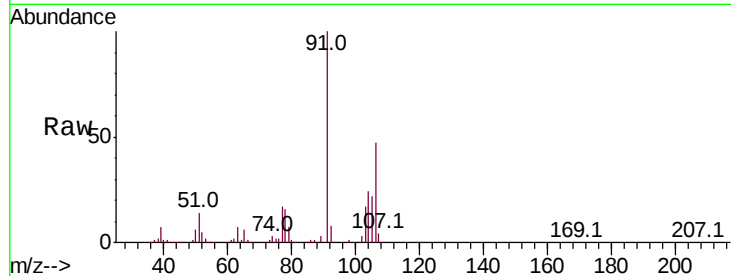




#69
o-Xylene
Concen: 21.670 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

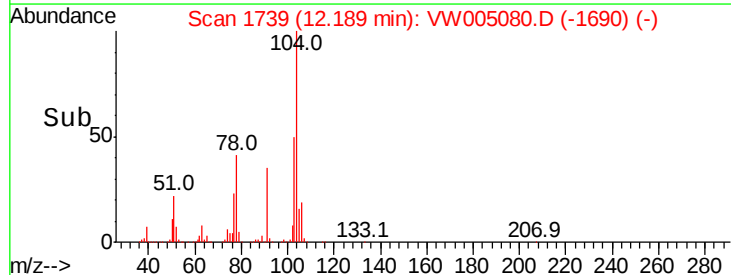
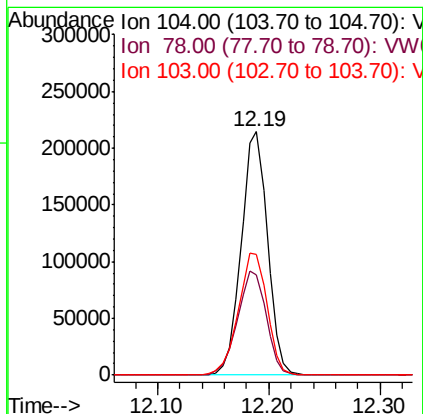
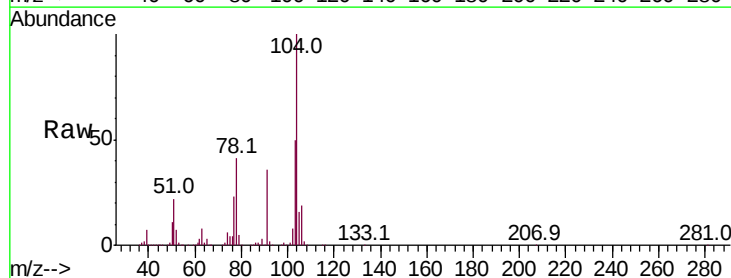
Instrument :
MSVOA_W
ClientSampled :

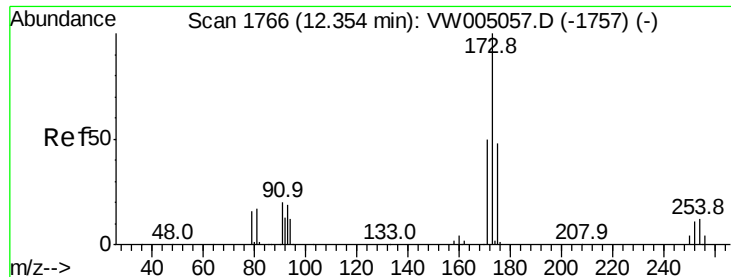
Tot Ion:106 Resp: 213417
Ion Ratio Lower Upper
106 100
91 205.8 105.6 316.8



#70
Styrene
Concen: 21.614 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion:104 Resp: 351628
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 55.0 44.1 66.1





#71

Bromoform

Concen: 22.273 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampled :

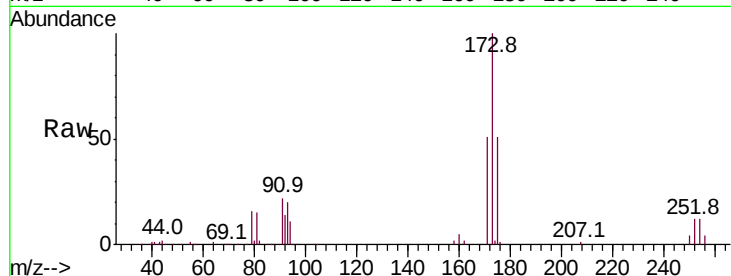
Tot Ion:173 Resp: 56769

Ion Ratio Lower Upper

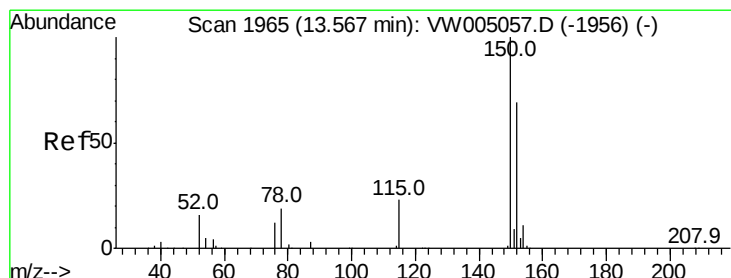
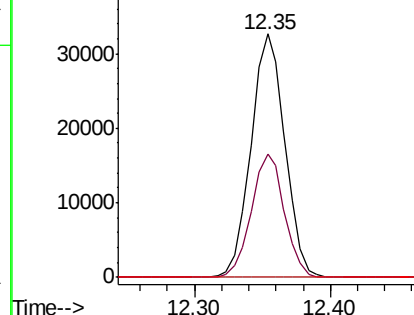
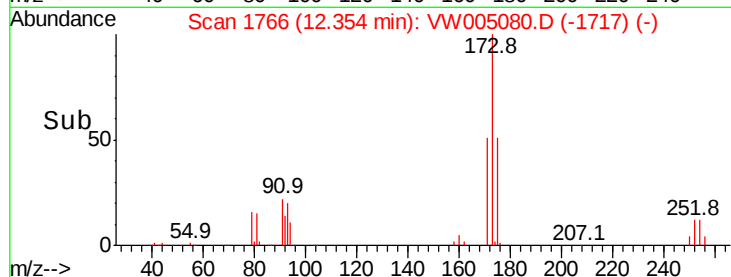
173 100

175 49.5 24.1 72.2

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

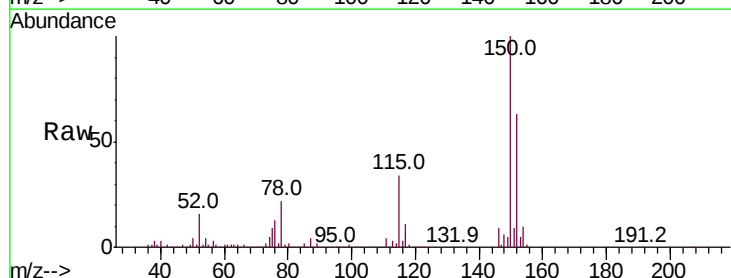
Tgt Ion:152 Resp: 393981

Ion Ratio Lower Upper

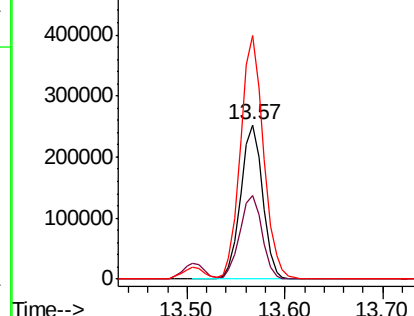
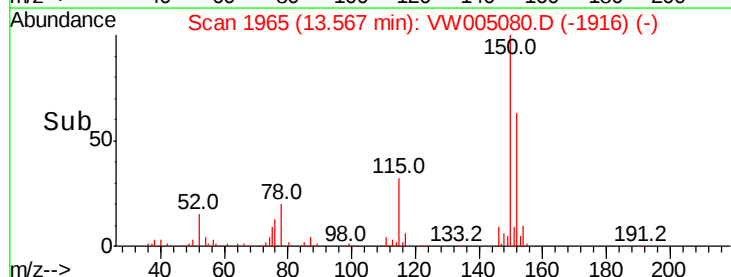
152 100

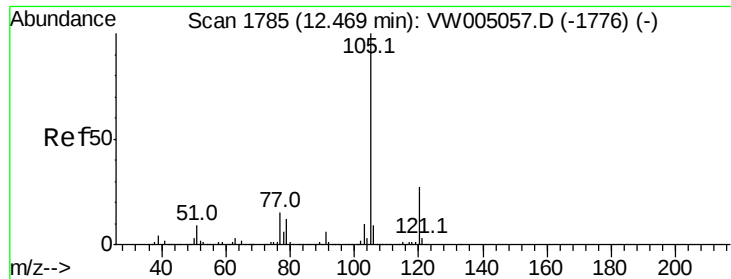
115 55.4 27.8 83.4

150 164.9 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.523 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

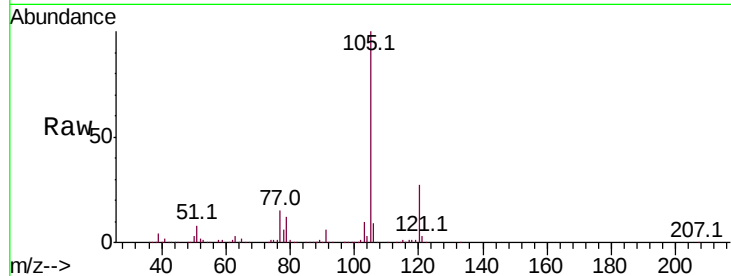
ClientSampleId :

Tot Ion:105 Resp: 570130

Ion Ratio Lower Upper

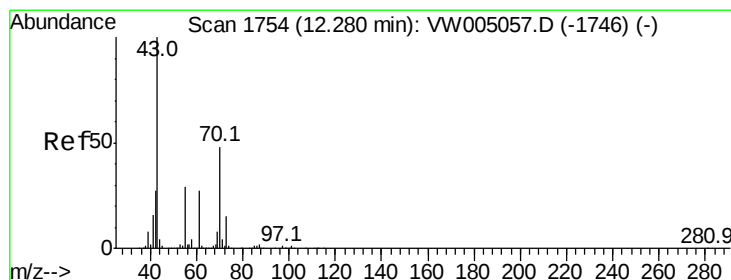
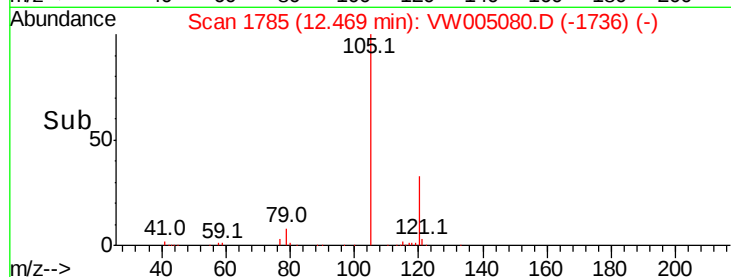
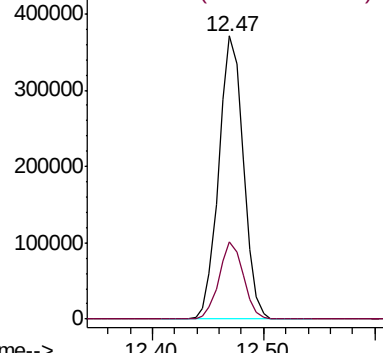
105 100

120 27.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.042 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Tgt Ion: 43 Resp: 100651

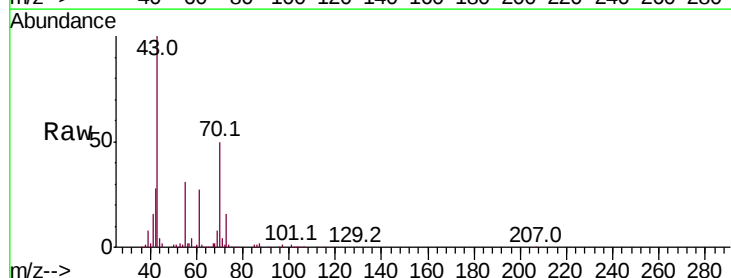
Ion Ratio Lower Upper

43 100

70 49.6 38.2 57.4

55 30.6 23.2 34.8

61 26.5 20.6 31.0

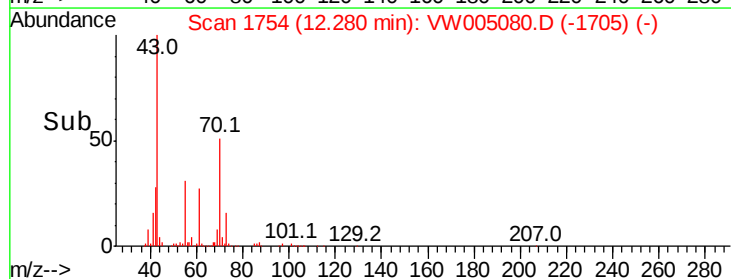
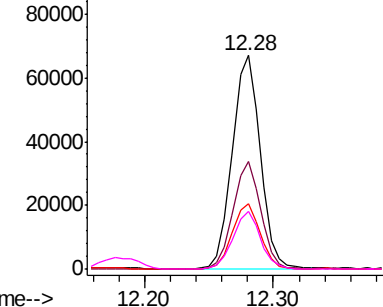


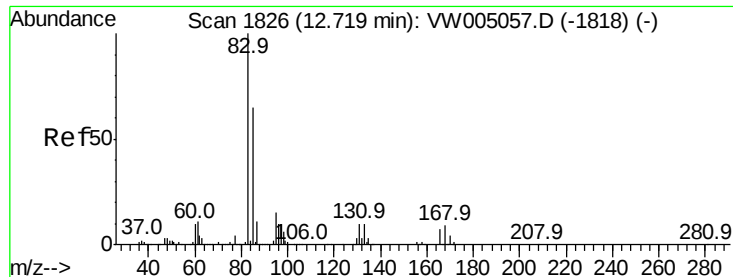
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 21.218 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

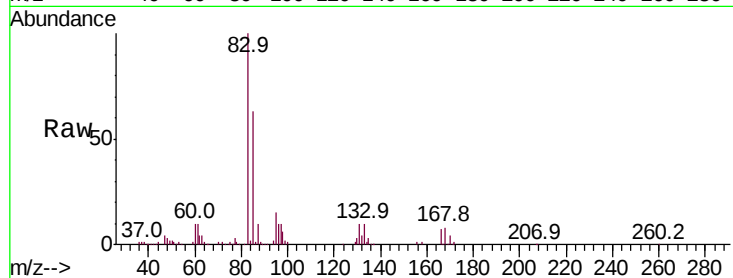
Tot Ion: 83 Resp: 89732

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

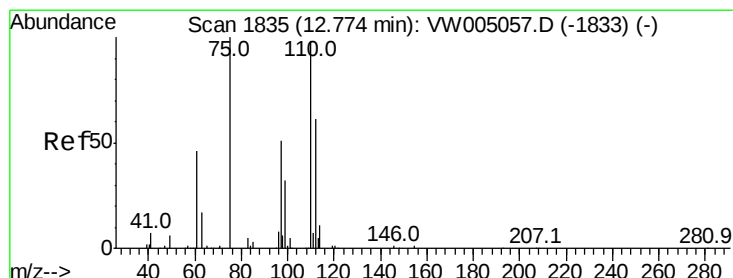
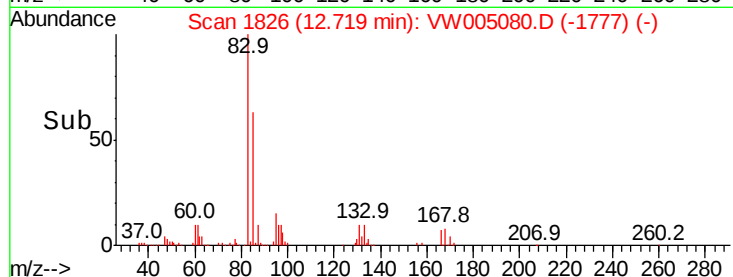
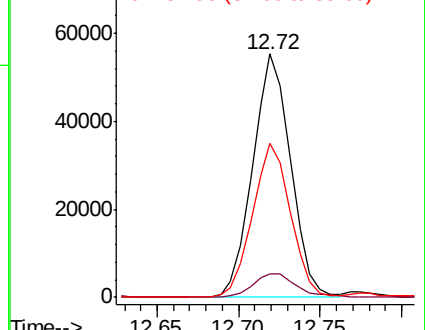
85 63.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.683 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW005080.D

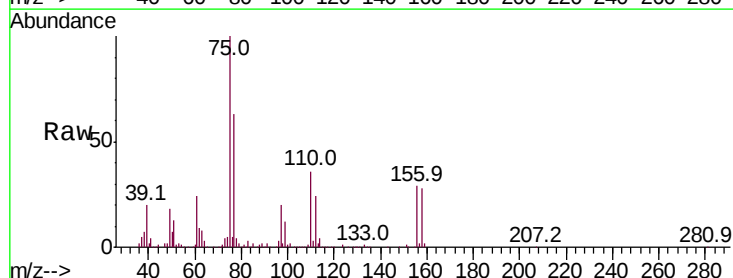
Acq: 04 Sep 2018 15:33

Tgt Ion: 75 Resp: 117355

Ion Ratio Lower Upper

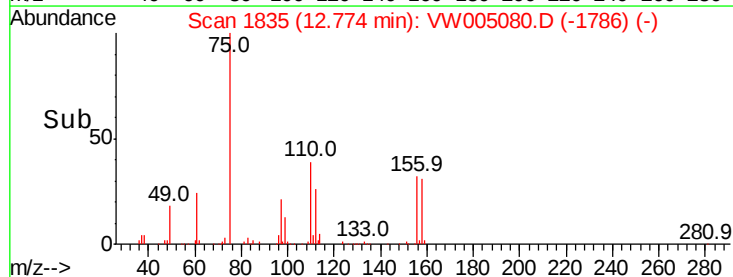
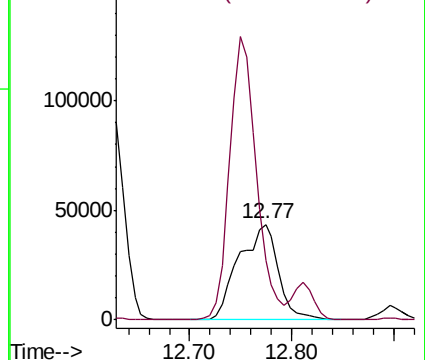
75 100

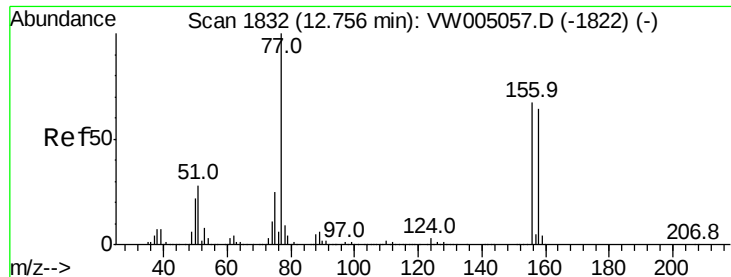
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.494 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

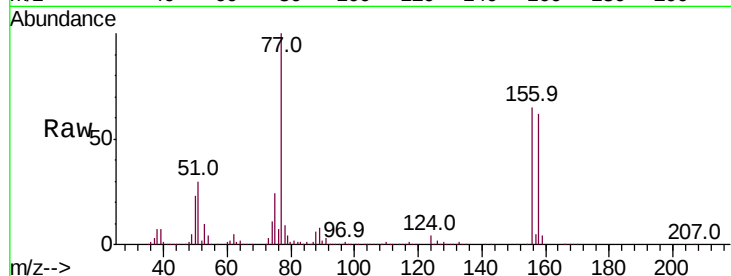
Tot Ion:156 Resp: 140280

Ion Ratio Lower Upper

156 100

77 167.7 85.8 257.4

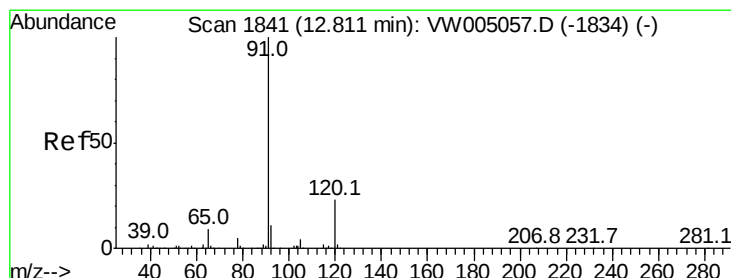
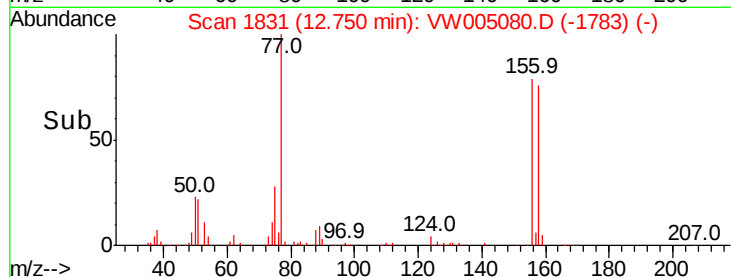
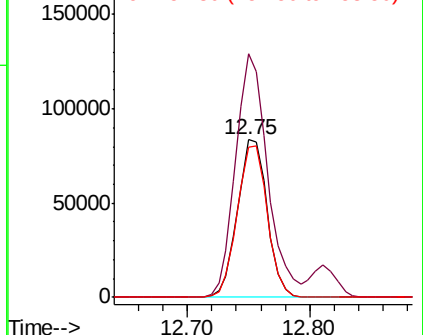
158 97.5 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.750 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW005080.D

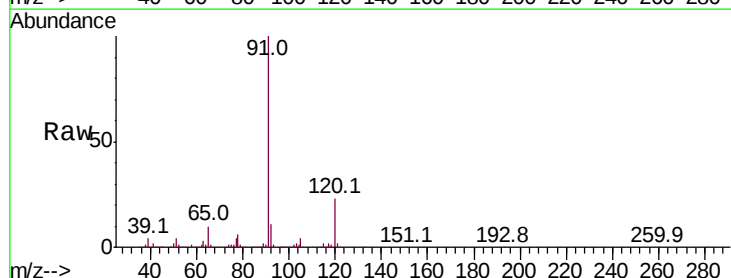
Acq: 04 Sep 2018 15:33

Tgt Ion: 91 Resp: 695877

Ion Ratio Lower Upper

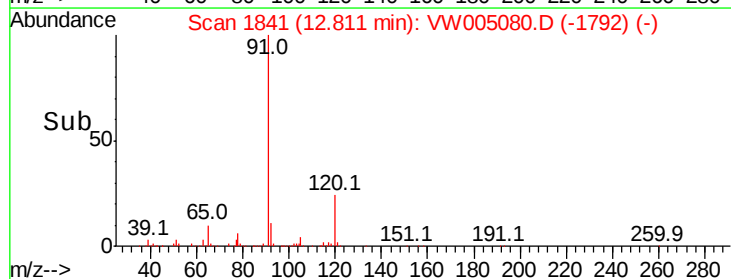
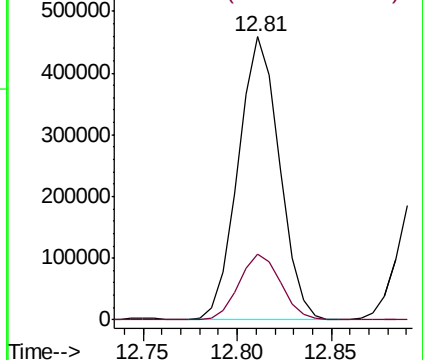
91 100

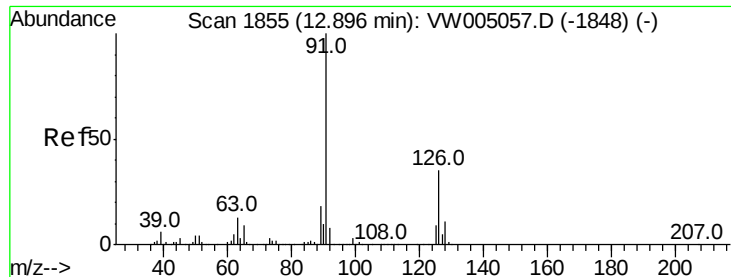
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.212 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

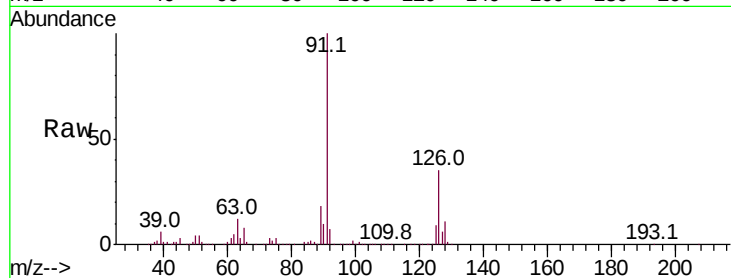
ClientSampled :

Tot Ion: 91 Resp: 395458

Ion Ratio Lower Upper

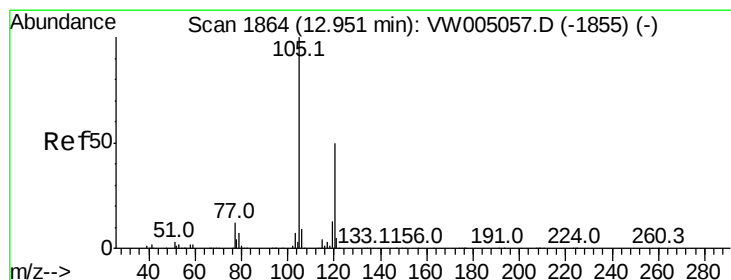
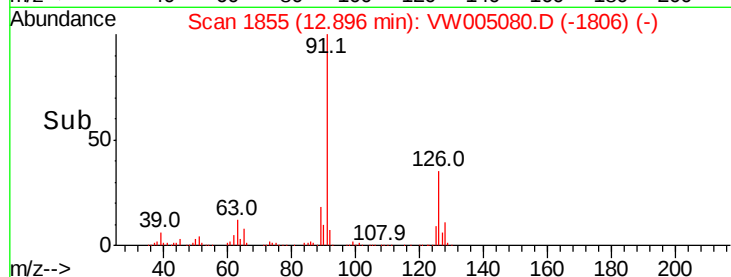
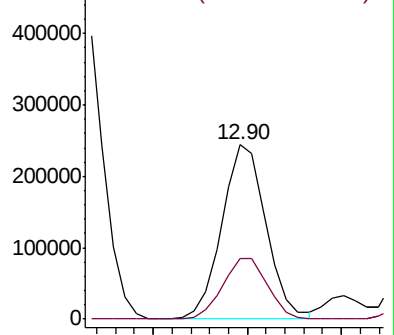
91 100

126 35.5 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.008 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW005080.D

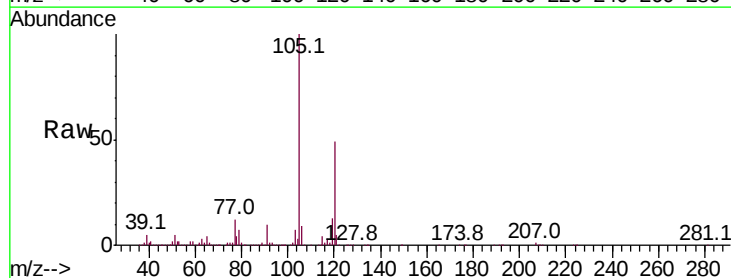
Acq: 04 Sep 2018 15:33

Tgt Ion:105 Resp: 504695

Ion Ratio Lower Upper

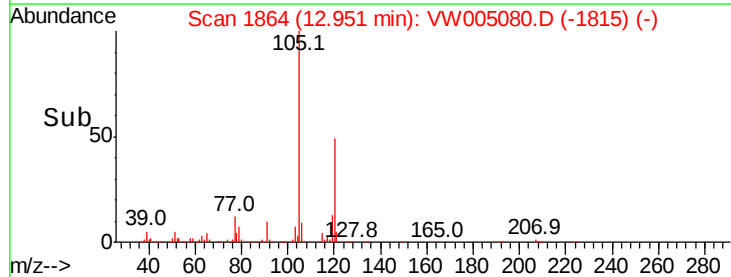
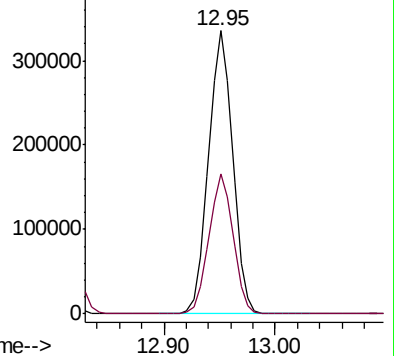
105 100

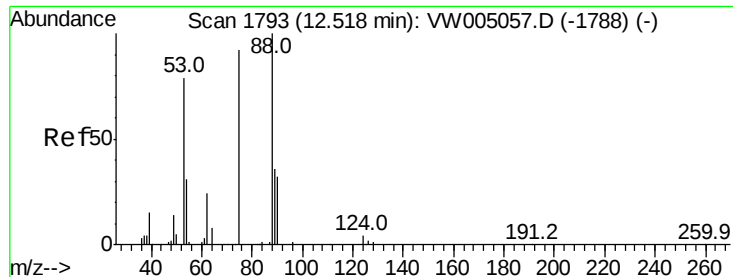
120 49.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.831 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

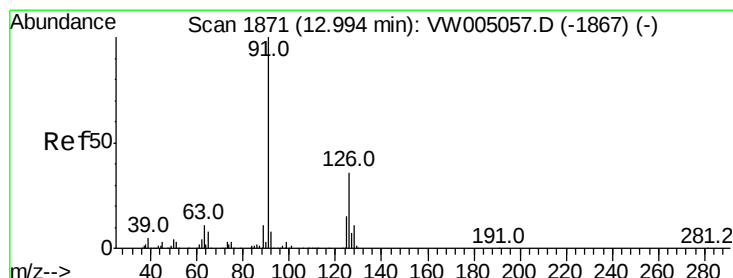
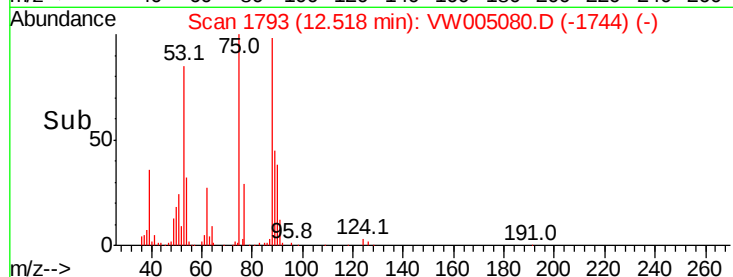
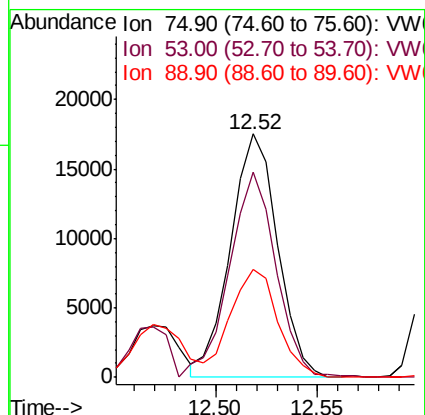
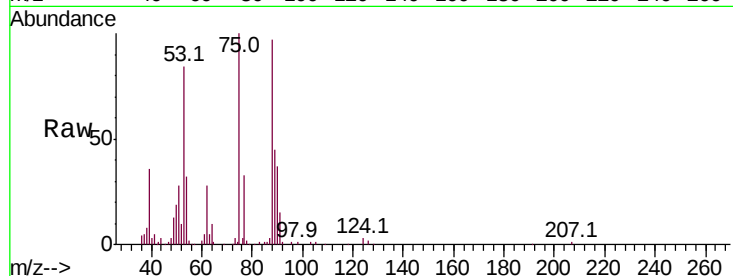
Tot Ion: 75 Resp: 28052

Ion Ratio Lower Upper

75 100

53 83.8 69.8 104.8

89 44.4 36.0 54.0



#82

4-Chlorotoluene

Concen: 19.967 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW005080.D

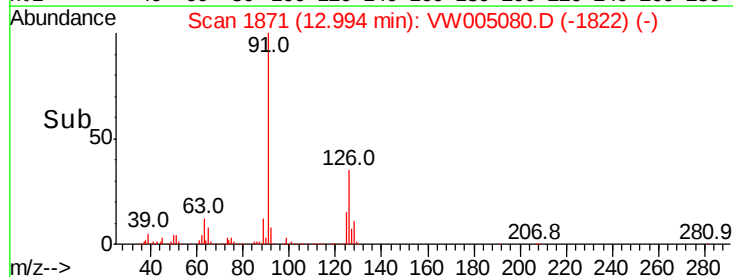
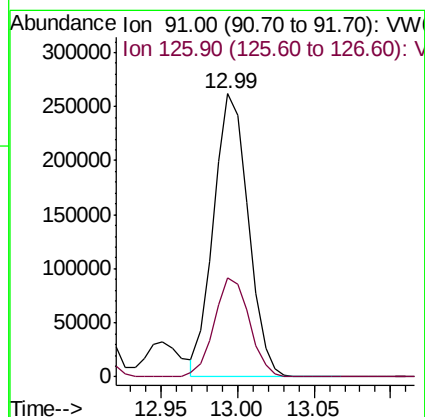
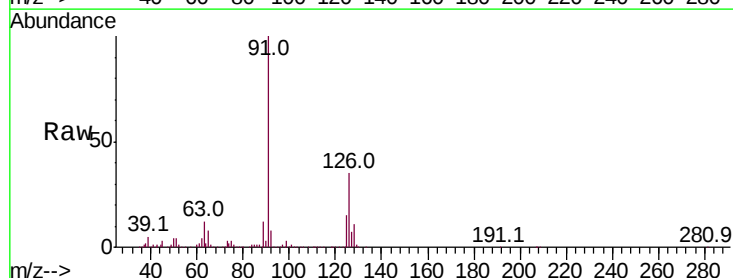
Acq: 04 Sep 2018 15:33

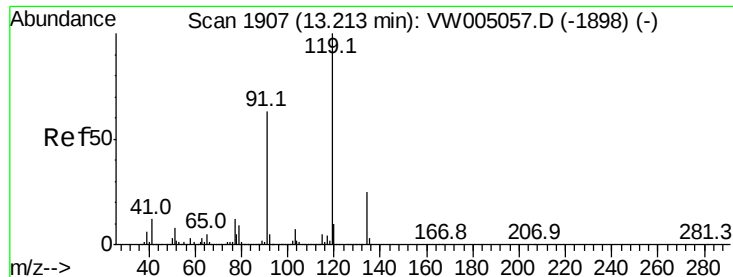
Tgt Ion: 91 Resp: 412529

Ion Ratio Lower Upper

91 100

126 35.4 17.4 52.3

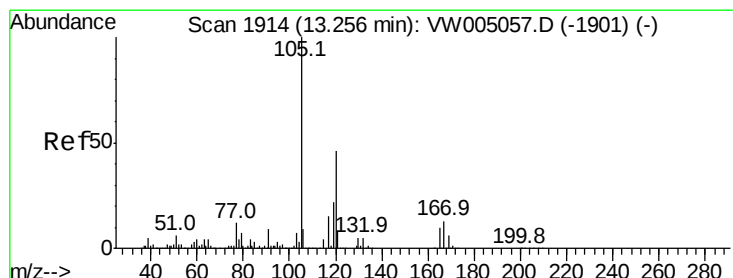
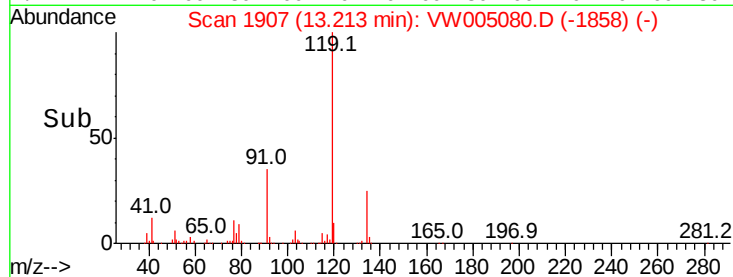
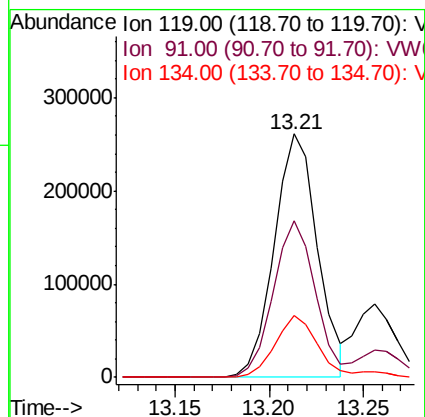
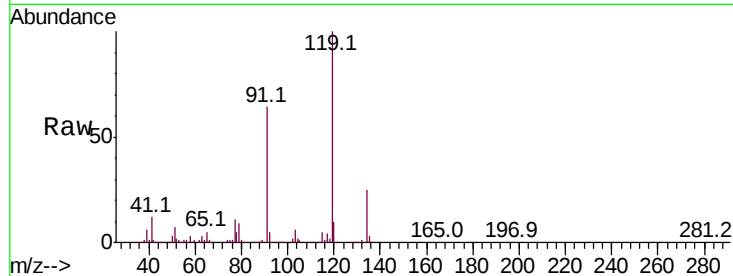




#83
tert-Butylbenzene
Concen: 20.682 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

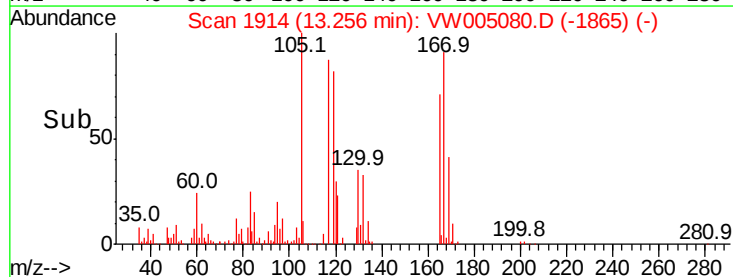
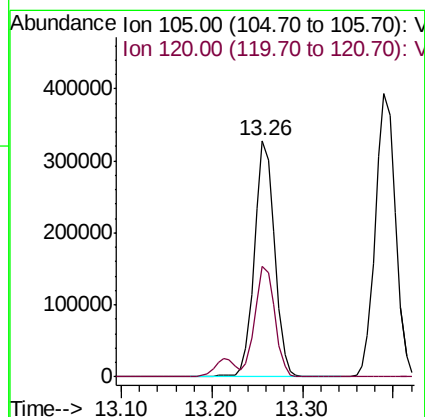
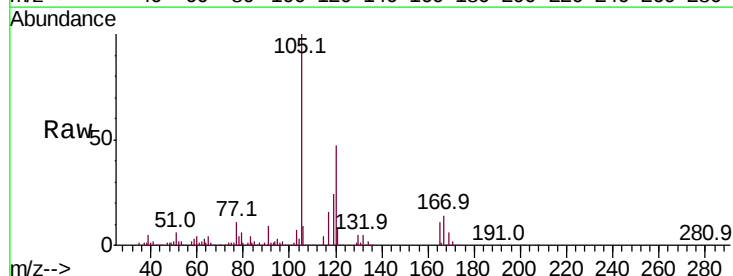
Instrument :
MSVOA_W
ClientSampleId :

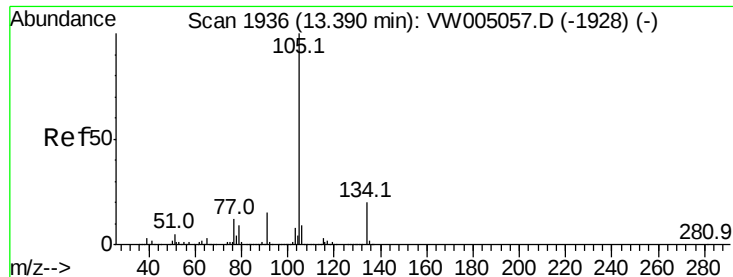
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.8	95.4
134	26.3	13.0	39.0



#84
1,2,4-Trimethylbenzene
Concen: 20.620 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.3

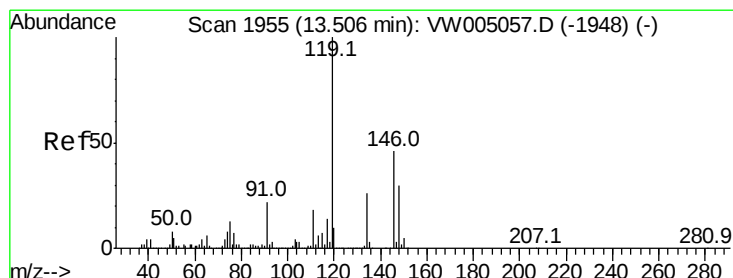
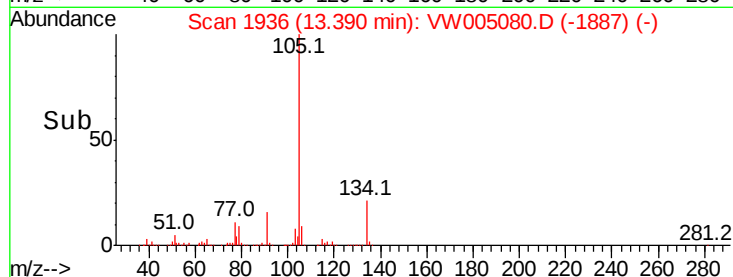
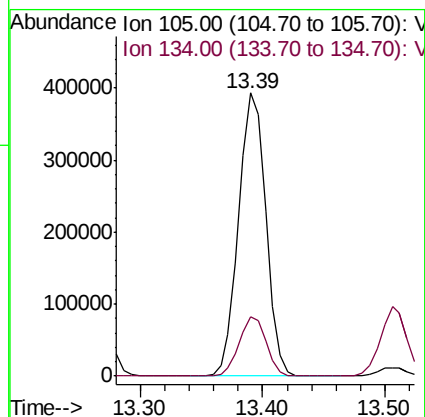
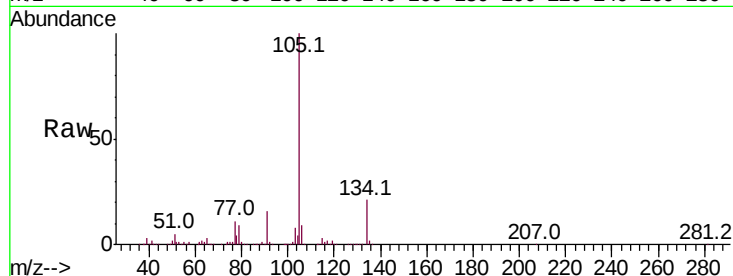




#85
 sec-Butylbenzene
 Concen: 20.553 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

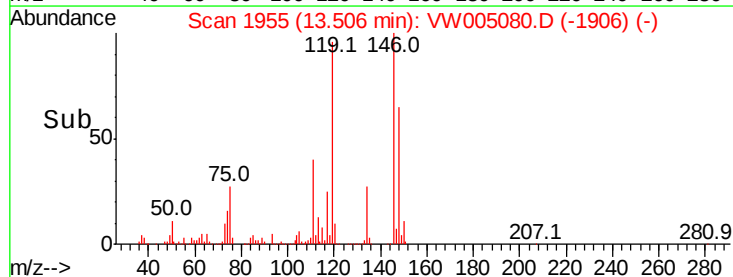
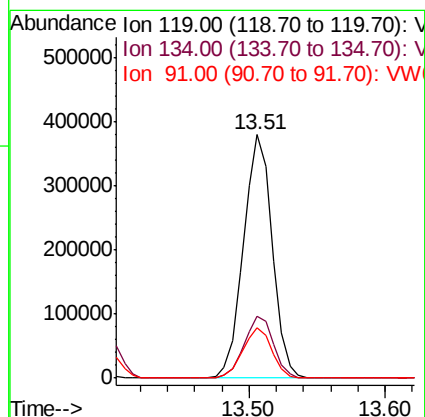
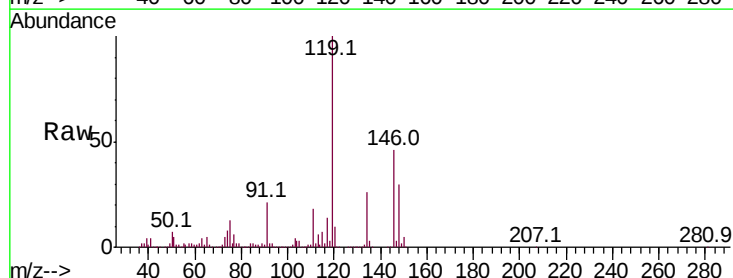
Instrument :
 MSVOA_W
 ClientSampled :

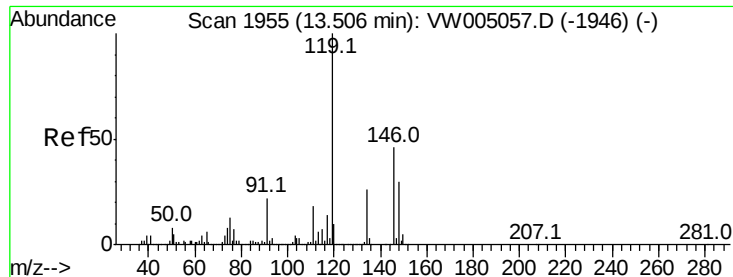
Tot Ion:105 Resp: 605962
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 21.397 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Tgt Ion:119 Resp: 558446
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 20.9 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.386 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

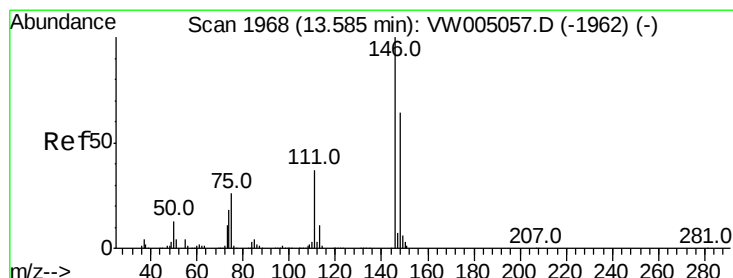
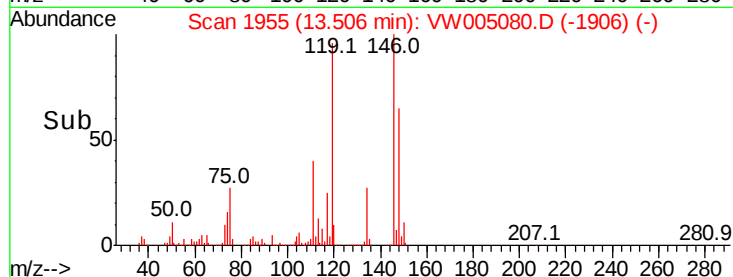
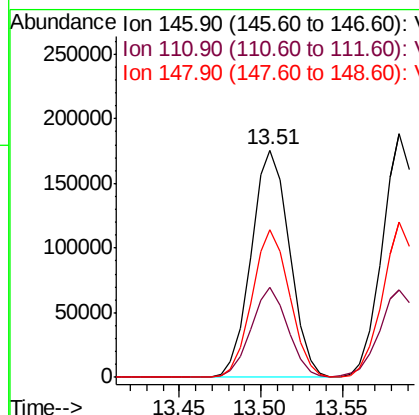
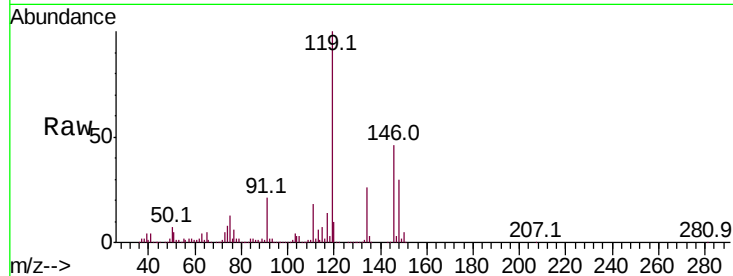
Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 286641

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.2	57.6
148	63.6	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 20.817 ug/l

RT: 13.59 min Scan# 1968

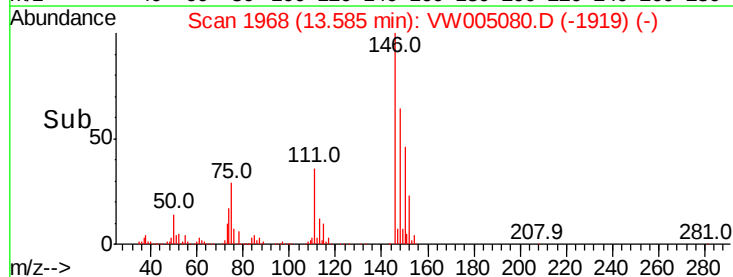
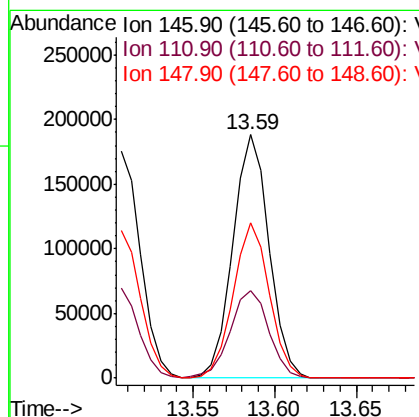
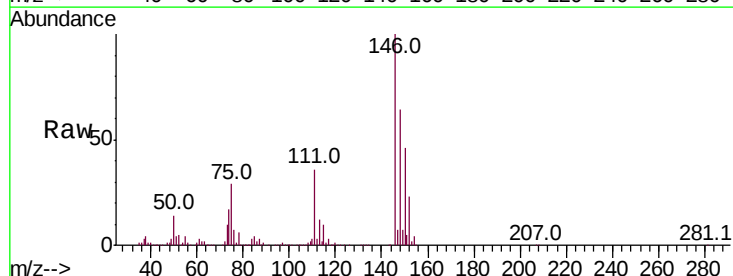
Delta R.T. 0.00 min

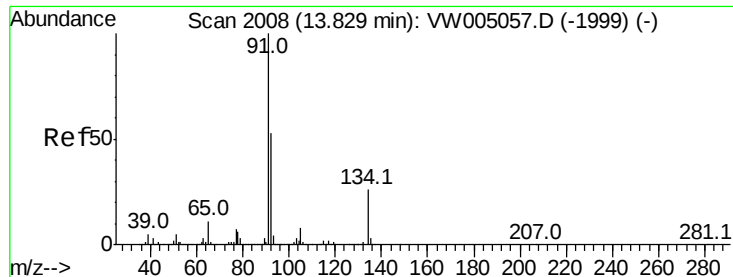
Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Tgt Ion:146 Resp: 290354

Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	56.0
148	63.7	32.0	96.0

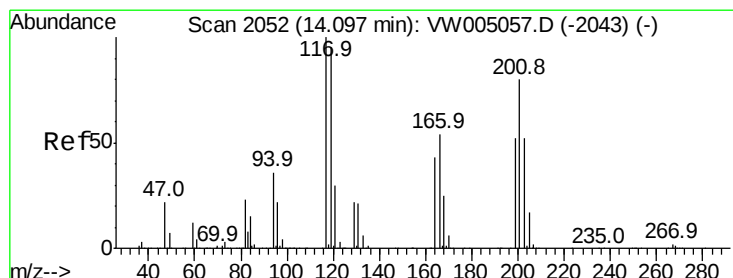
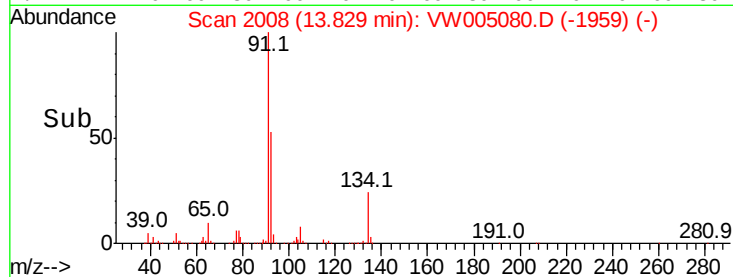
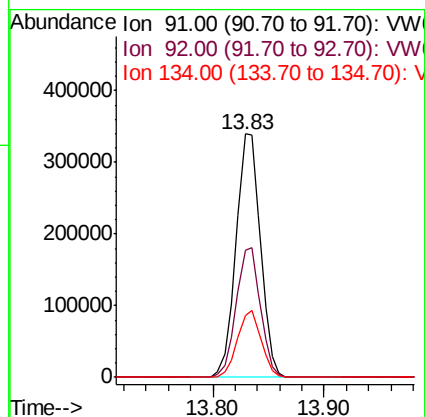
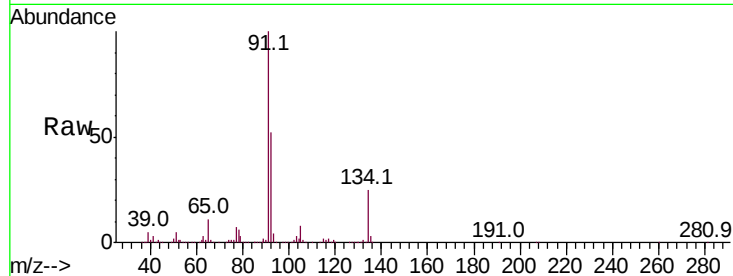




#89
n-Butylbenzene
Concen: 21.354 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

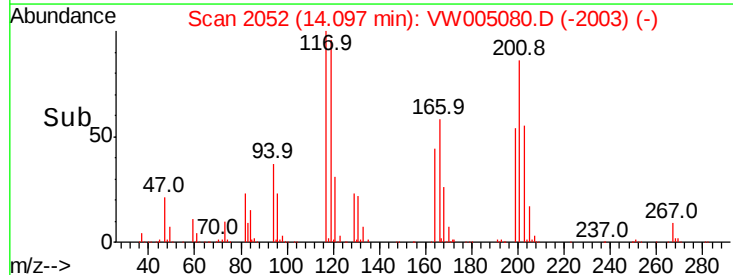
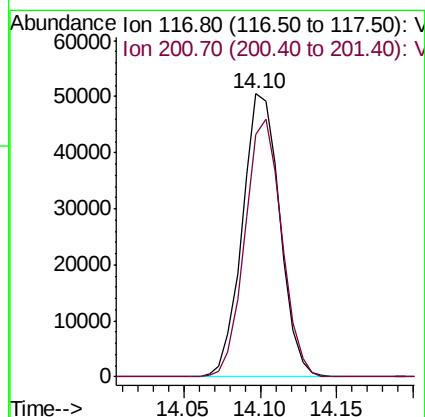
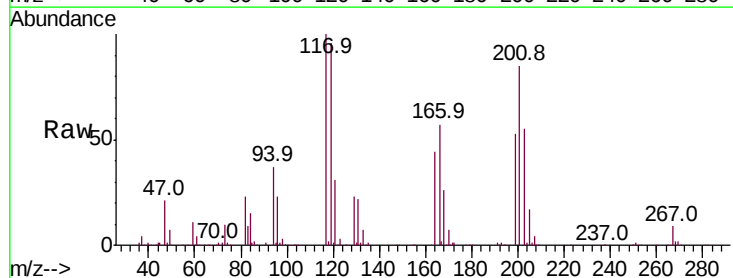
Instrument :
MSVOA_W
ClientSampled :

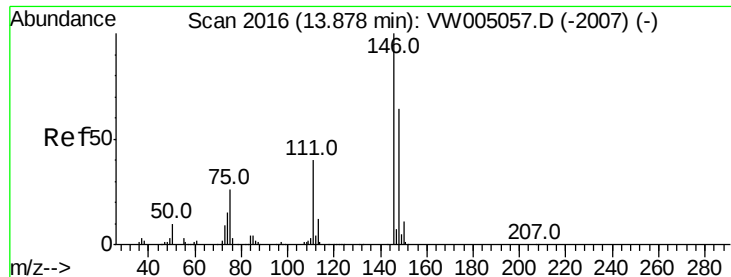
Tot Ion: 91 Resp: 516507
Ion Ratio Lower Upper
91 100
92 52.8 26.5 79.5
134 26.5 13.5 40.4



#90
Hexachloroethane
Concen: 19.867 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion: 117 Resp: 86129
Ion Ratio Lower Upper
117 100
201 89.3 44.6 133.8





#91

1,2-Dichlorobenzene

Concen: 20.696 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

Instrument :

MSVOA_W

ClientSampleId :

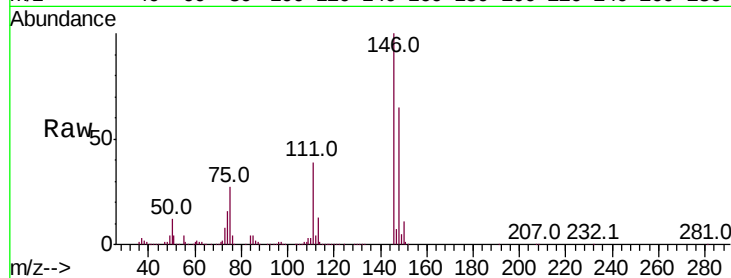
Tot Ion:146 Resp: 253629

Ion Ratio Lower Upper

146 100

111 0.0 19.9 59.7#

148 65.3 31.9 95.9

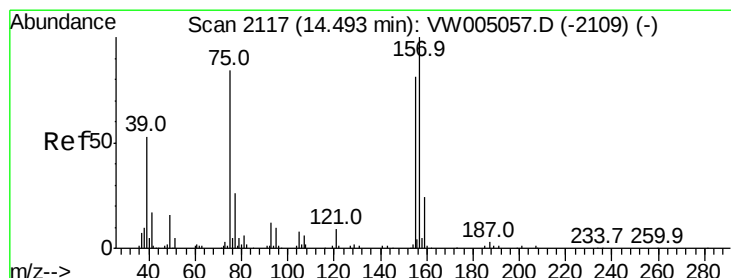
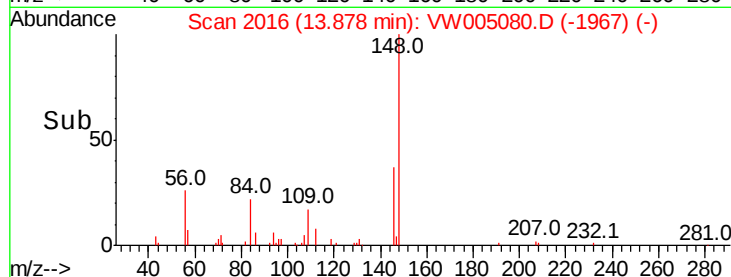
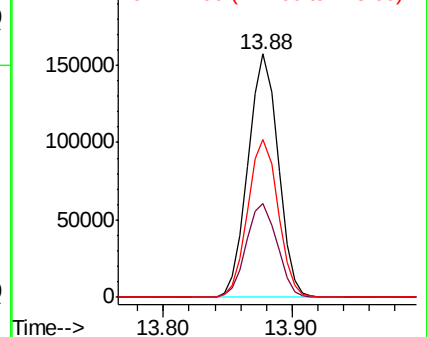


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.744 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW005080.D

Acq: 04 Sep 2018 15:33

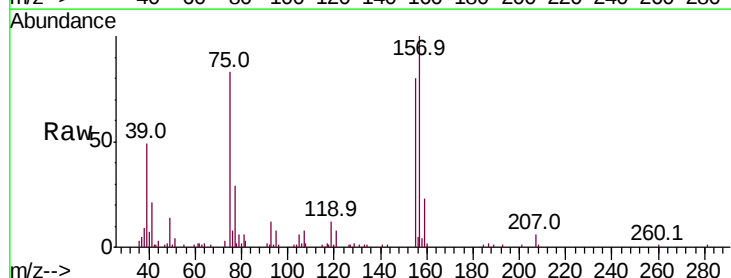
Tgt Ion: 75 Resp: 14370

Ion Ratio Lower Upper

75 100

155 91.5 46.0 137.8

157 121.1 58.6 175.7

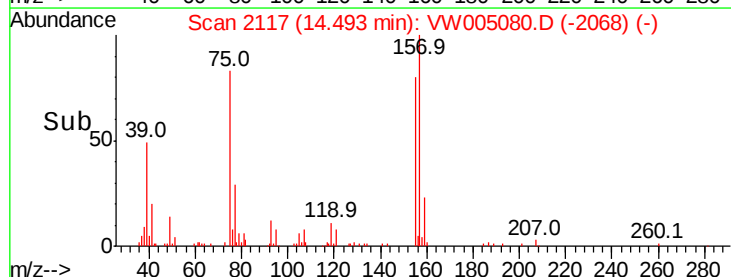
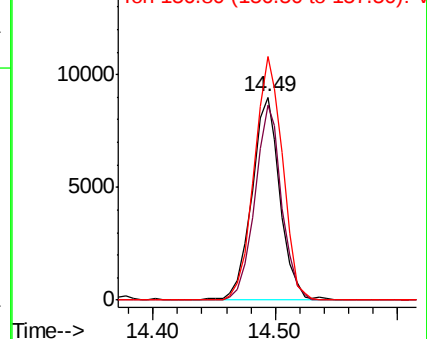


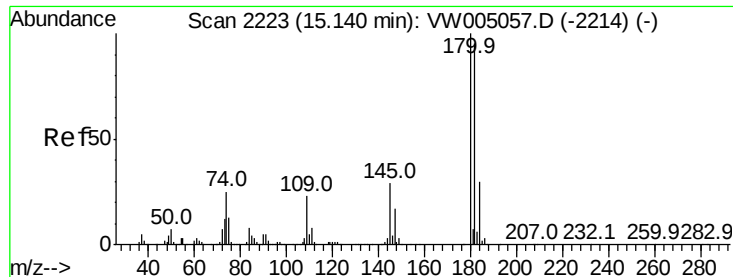
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

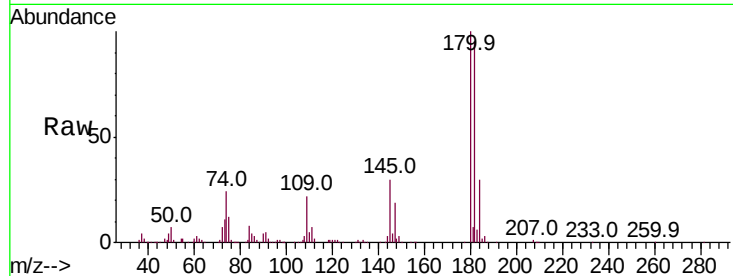




#93
 1,2,4-Trichlorobenzene
 Concen: 22.772 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.6
145	28.8	14.4	43.2

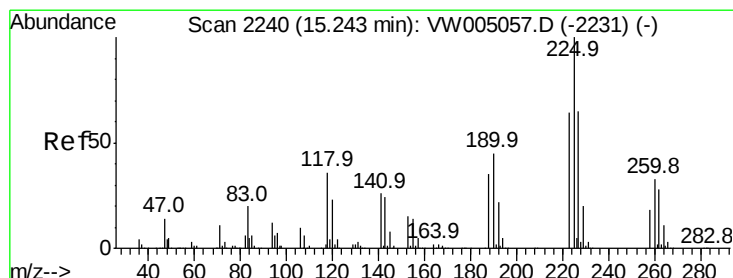
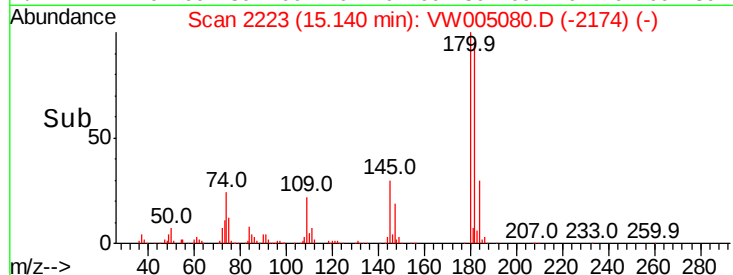
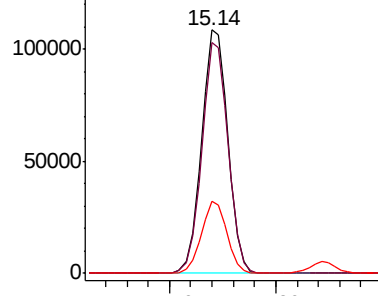


Abundance

Ion 179.80 (179.50 to 180.50): V

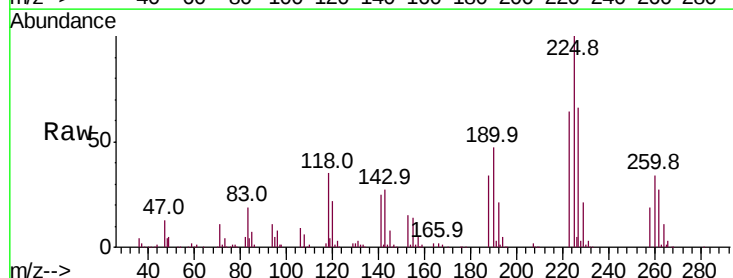
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.138 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW005080.D
 Acq: 04 Sep 2018 15:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.4	94.3
227	64.6	32.0	96.0

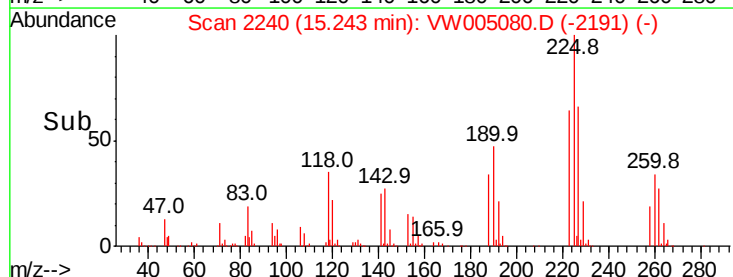
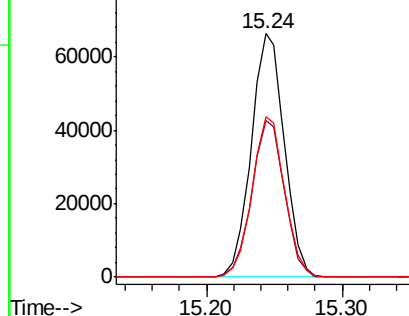


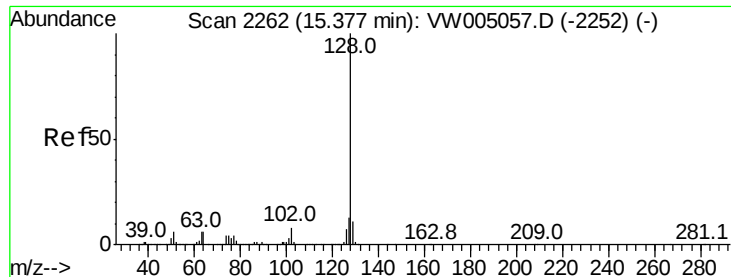
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

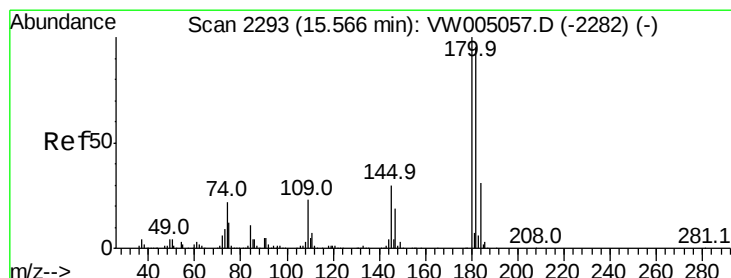
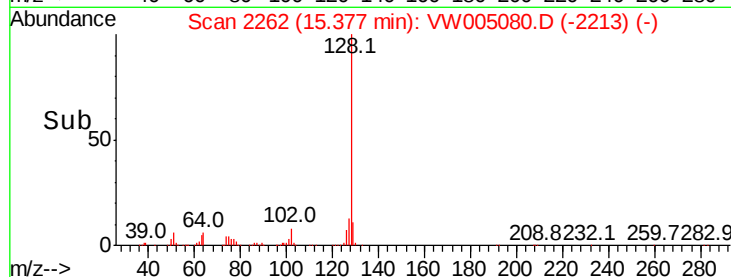
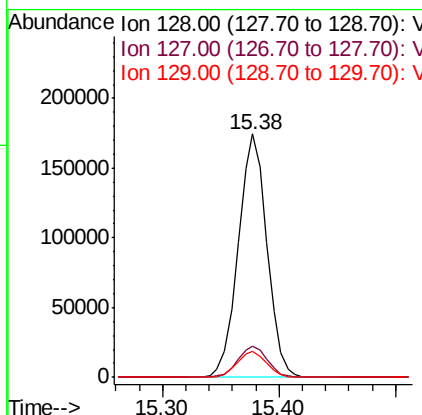
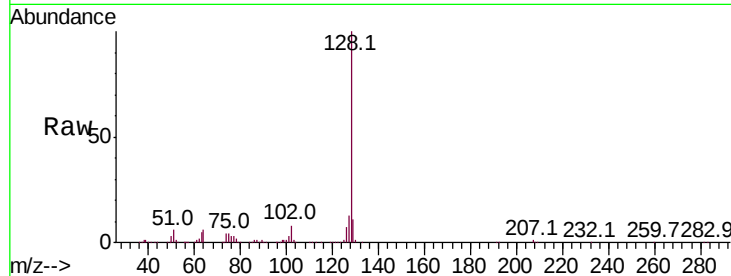




#95
Naphthalene
Concen: 23.422 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 300060
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.918 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW005080.D
Acq: 04 Sep 2018 15:33

Tgt Ion:180 Resp: 161166
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.3
145 30.1 15.4 46.1

