

Data File : VW001114.D

Acq On : 29 Jan 2018 12:05

Operator : JC/SY

Sample : VSTDIC005

Misc : 5.0G/5.0ML/MSVOA_W/SOIL

ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 30 00:46:21 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M

Quant Title : SW846 8260

QLast Update : Tue Jan 30 00:46:15 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	384663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	349405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	187718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	14070	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
35) Dibromofluoromethane	7.88	113	12739	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	10.33	98	47547	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
62) 4-Bromofluorobenzene	12.63	95	17362	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	13857	6.11	ug/l	97
3) Chloromethane	2.21	50	11503	5.81	ug/l	97
4) Vinyl Chloride	2.36	62	11880	6.03	ug/l	98
5) Bromomethane	2.76	94	9586	2.76	ug/l	91
6) Chloroethane	2.92	64	6915	6.18	ug/l	91
7) Trichlorofluoromethane	3.26	101	22186	6.06	ug/l	96
8) Diethyl Ether	3.68	74	5764	6.05	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12322	5.06	ug/l	99
10) Methyl Iodide	4.26	142	13127	5.10	ug/l	99
11) Tert butyl alcohol	5.20	59	4979	23.74	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	11762	5.53	ug/l	95
13) Acrolein	3.90	56	8867	26.43	ug/l	96
14) Allyl chloride	4.67	41	17855	5.61	ug/l	99
15) Acrylonitrile	5.38	53	18586	28.72	ug/l	98
16) Acetone	4.14	43	18205	26.63	ug/l	90
17) Carbon Disulfide	4.37	76	36533	5.53	ug/l	100
18) Methyl Acetate	4.68	43	11940	7.15	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	27656	5.02	ug/l	98
20) Methylene Chloride	4.90	84	17411	5.51	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	13287	5.59	ug/l	90
22) Diisopropyl ether	6.31	45	30202	4.96	ug/l	92
23) Vinyl Acetate	6.26	43	88361	24.20	ug/l	99
24) 1,1-Dichloroethane	6.21	63	22136	5.57	ug/l	95
25) 2-Butanone	7.18	43	24715	27.54	ug/l	97
26) 2,2-Dichloropropane	7.17	77	22948	5.83	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	13609	5.37	ug/l	96
28) Bromochloromethane	7.52	49	8647	5.35	ug/l	98
29) Tetrahydrofuran	7.54	42	14035	27.38	ug/l	97
30) Chloroform	7.67	83	23564	5.47	ug/l	97
31) Cyclohexane	7.95	56	24008	6.22	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	22108	5.42	ug/l	97
36) 1,1-Dichloropropene	8.09	75	18581	5.35	ug/l	99
37) Ethyl Acetate	7.26	43	11233	6.12	ug/l	100
38) Carbon Tetrachloride	8.07	117	20902	5.39	ug/l	100

Data File : VW001114.D

Acq On : 29 Jan 2018 12:05

Operator : JC/SY

Sample : VSTDIC005

Misc : 5.0G/5.0ML/MSVOA_W/SOIL

ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 30 00:46:21 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M

Quant Title : SW846 8260

QLast Update : Tue Jan 30 00:46:15 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21257	5.18	ug/l	93
40) Benzene	8.33	78	52342	5.44	ug/l	99
41) Methacrylonitrile	7.49	41	5401	5.30	ug/l	95
42) 1,2-Dichloroethane	8.40	62	16151	5.34	ug/l	100
43) Isopropyl Acetate	8.43	43	15558	4.93	ug/l	96
44) Trichloroethene	9.09	130	16315	5.65	ug/l	93
45) 1,2-Dichloropropane	9.37	63	11983	5.18	ug/l	96
46) Dibromomethane	9.46	93	7738	5.34	ug/l	97
47) Bromodichloromethane	9.65	83	16878	5.15	ug/l	96
48) Methyl methacrylate	9.44	41	7178	4.75	ug/l	95
49) 1,4-Dioxane	9.46	88	2466	95.58	ug/l #	72
51) 4-Methyl-2-Pentanone	10.22	43	41407	23.99	ug/l	99
52) Toluene	10.40	92	31815	5.15	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	15939	4.82	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	18385	4.98	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	10900	5.28	ug/l	95
56) Ethyl methacrylate	10.65	69	10736	4.44	ug/l	97
57) 1,3-Dichloropropane	10.94	76	17467	5.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	17980	33.54	ug/l	98
59) 2-Hexanone	10.98	43	29206	22.37	ug/l	97
60) Dibromochloromethane	11.13	129	12582	5.00	ug/l	98
61) 1,2-Dibromoethane	11.24	107	10922	5.25	ug/l	99
64) Tetrachloroethene	10.87	164	16648	5.93	ug/l	95
65) Chlorobenzene	11.67	112	38327	5.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	13529	5.26	ug/l	97
67) Ethyl Benzene	11.74	91	61220	5.20	ug/l	99
68) m/p-Xylenes	11.85	106	46080	10.05	ug/l	99
69) o-Xylene	12.18	106	20633	4.88	ug/l	98
70) Styrene	12.19	104	32829	4.73	ug/l	98
71) Bromoform	12.36	173	8451	5.08	ug/l #	97
73) Isopropylbenzene	12.48	105	58533	4.98	ug/l	99
74) N-amyl acetate	12.29	43	12138	4.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	12972	5.39	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	17367	7.59	ug/l #	100
77) Bromobenzene	12.76	156	16577	5.43	ug/l	99
78) n-propylbenzene	12.82	91	70906	5.04	ug/l	98
79) 2-Chlorotoluene	12.91	91	41371	5.14	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	49183	4.89	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3691	5.10	ug/l	99
82) 4-Chlorotoluene	13.01	91	44870	5.22	ug/l	98
83) tert-Butylbenzene	13.22	119	43108	4.85	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	49271	4.82	ug/l	99
85) sec-Butylbenzene	13.40	105	63600	5.06	ug/l	99
86) p-Isopropyltoluene	13.52	119	54389	4.87	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	32655	5.42	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	34233	5.65	ug/l	94
89) n-Butylbenzene	13.84	91	51814	4.98	ug/l	98
90) Hexachloroethane	14.12	117	10707	5.14	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	29964	5.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2609	5.38	ug/l	92

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
Quantitation Report (Not Reviewed)

Data File : VW001114.D
Acq On : 29 Jan 2018 12:05
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 30 00:46:21 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 00:46:15 2018
Response via : Initial Calibration

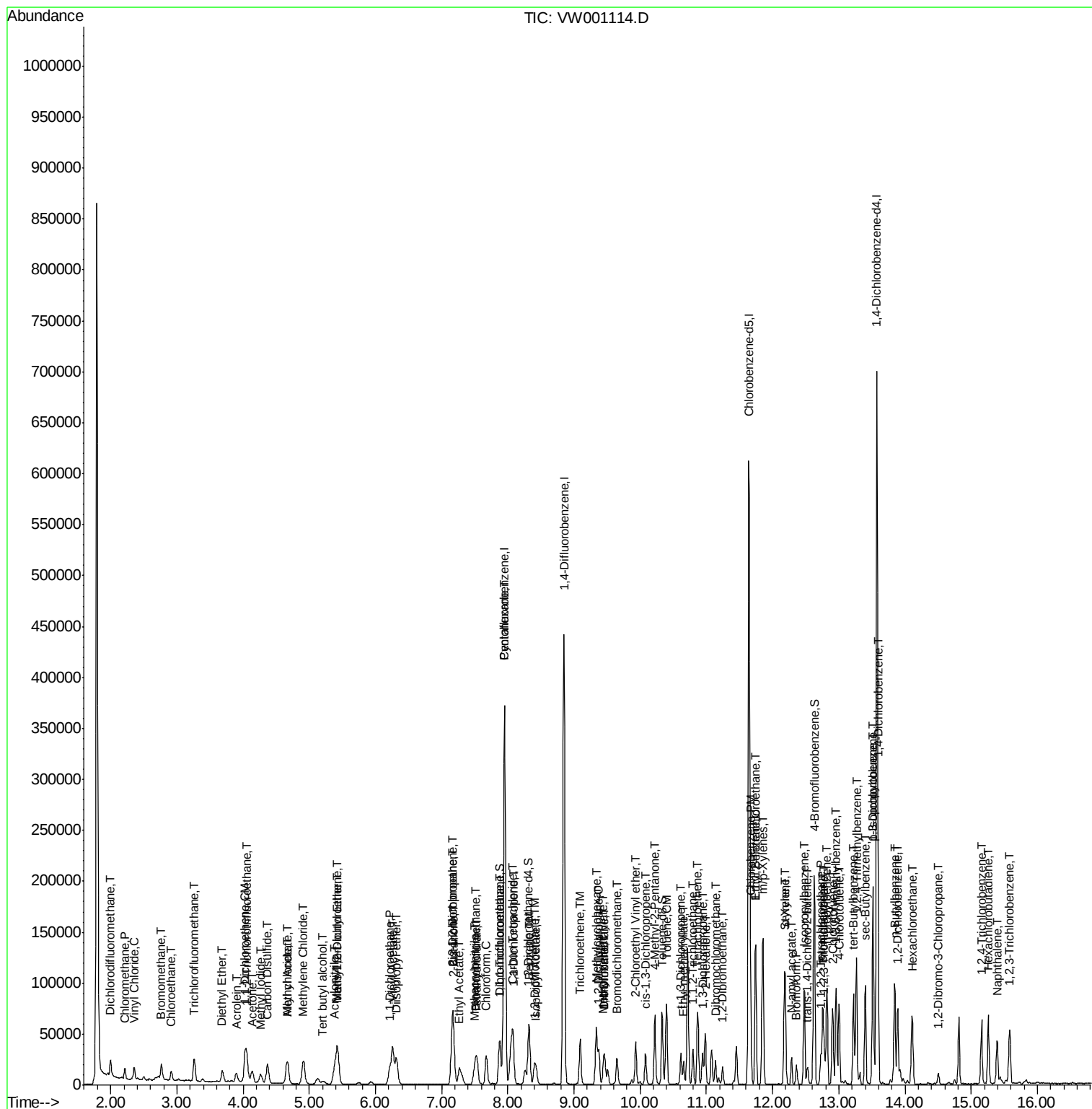
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	20352	5.01	ug/l	99
94) Hexachlorobutadiene	15.26	225	13377	5.33	ug/l	99
95) Naphthalene	15.40	128	36223	4.52	ug/l	98
96) 1,2,3-Trichlorobenzene	15.58	180	19388	5.18	ug/l	98

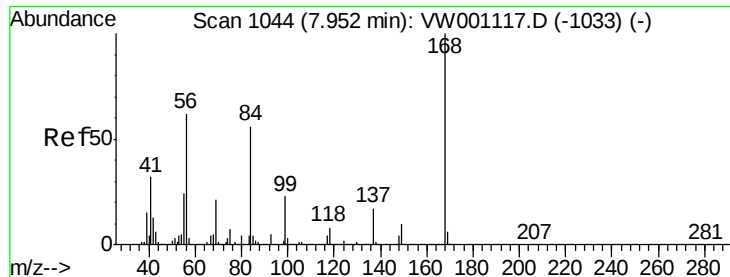
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 2      Sample Multiplier: 1
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ClientSampleId :

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

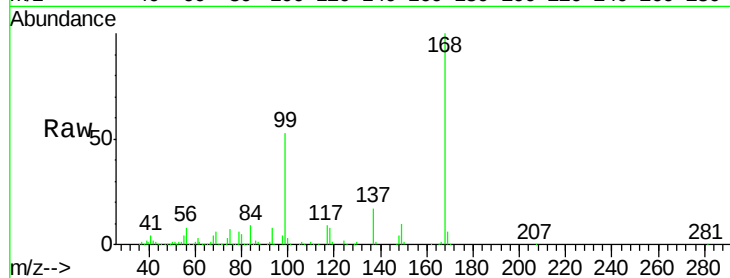
Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 168 Resp: 267472

Ion Ratio Lower Upper

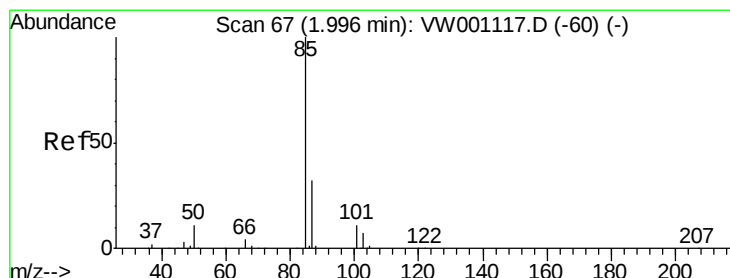
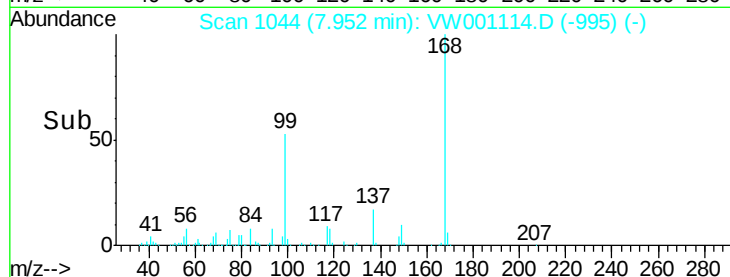
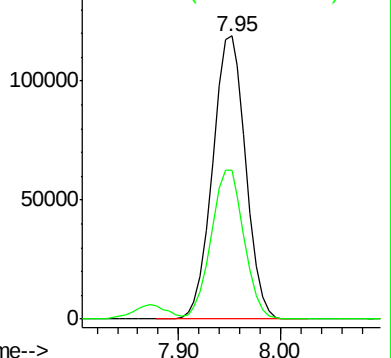
168 100

99 52.7 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 6.11 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.01 min

Lab File: VW001114.D

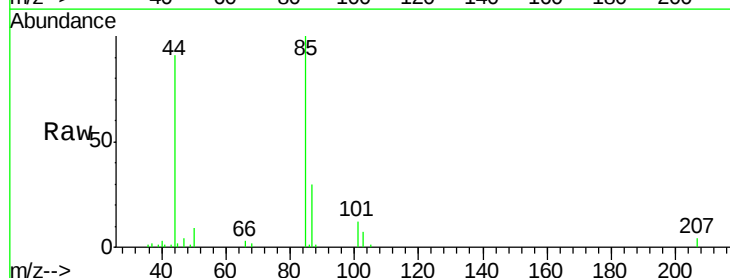
Acq: 29 Jan 2018 12:05

Tgt Ion: 85 Resp: 13857

Ion Ratio Lower Upper

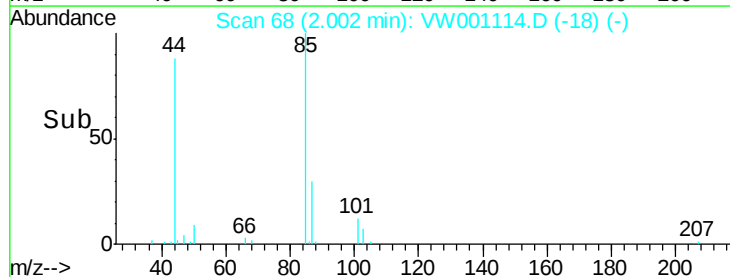
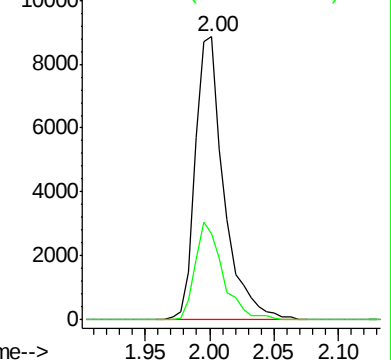
85 100

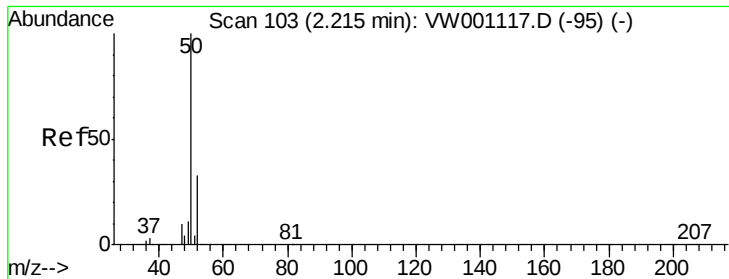
87 30.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.81 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

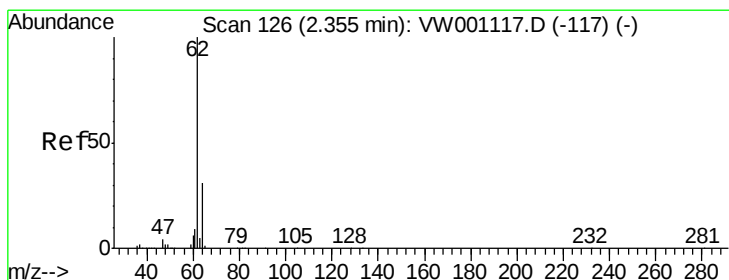
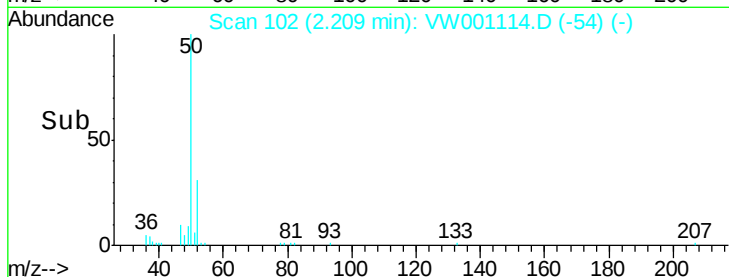
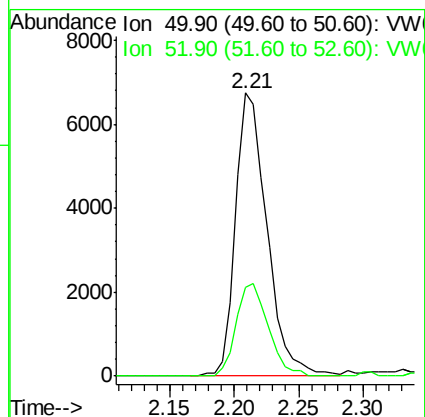
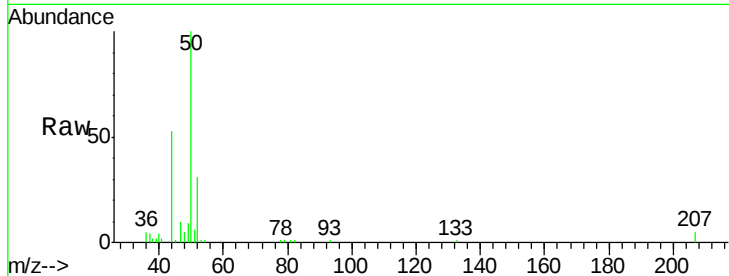
ClientSampleId :

Tgt Ion: 50 Resp: 11503

Ion Ratio Lower Upper

50 100

52 31.2 26.2 39.4



#4

Vinyl Chloride

Concen: 6.03 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW001114.D

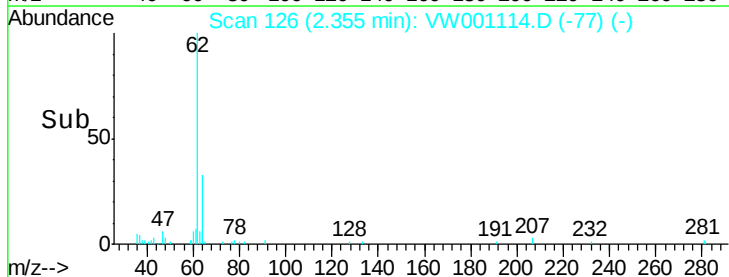
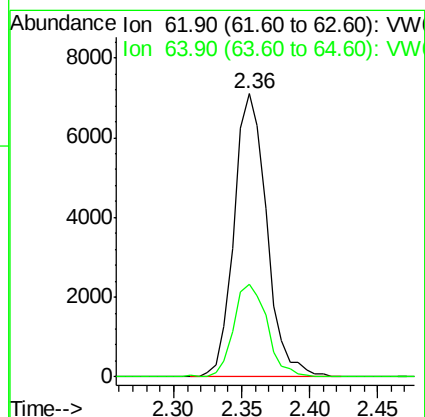
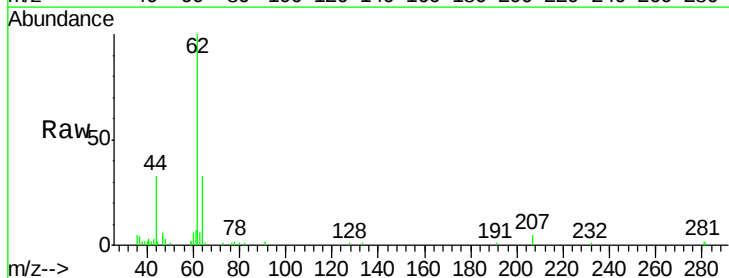
Acq: 29 Jan 2018 12:05

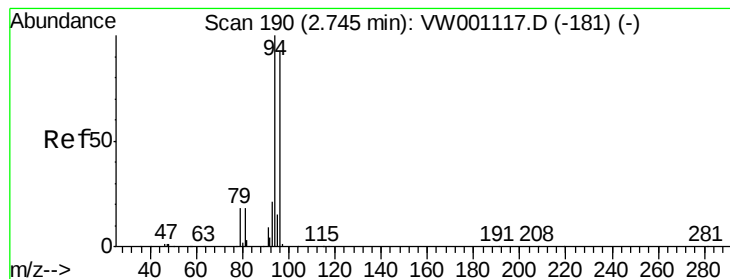
Tgt Ion: 62 Resp: 11880

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 2.76 ug/l

RT: 2.76 min Scan# 193

Delta R.T. 0.02 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

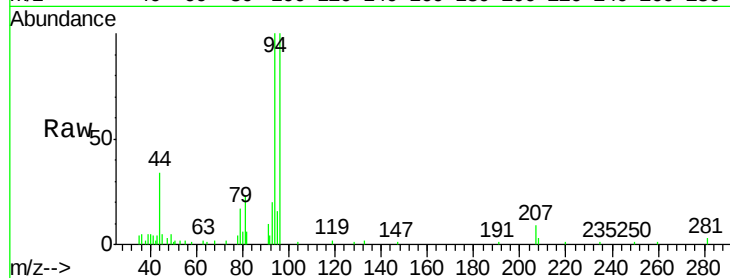
ClientSampled :

Tgt Ion: 94 Resp: 9586

Ion Ratio Lower Upper

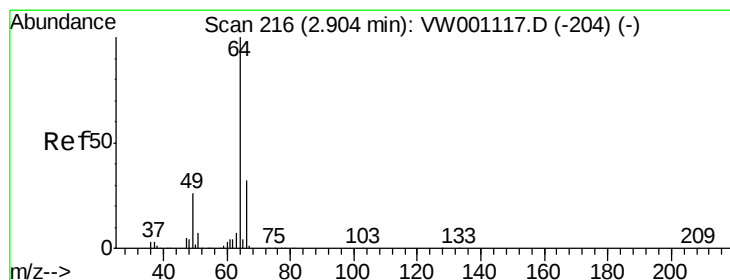
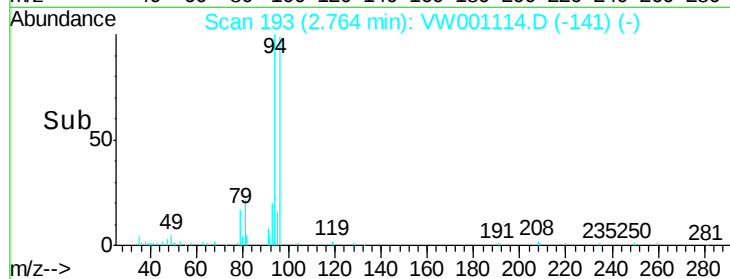
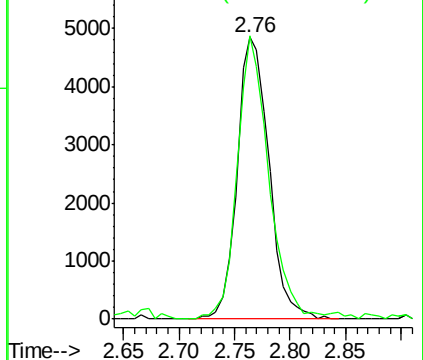
94 100

96 100.5 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 6.18 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.01 min

Lab File: VW001114.D

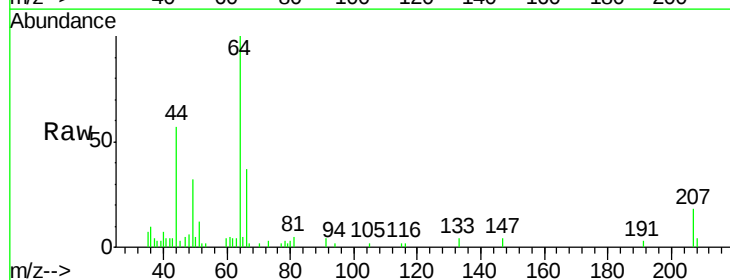
Acq: 29 Jan 2018 12:05

Tgt Ion: 64 Resp: 6915

Ion Ratio Lower Upper

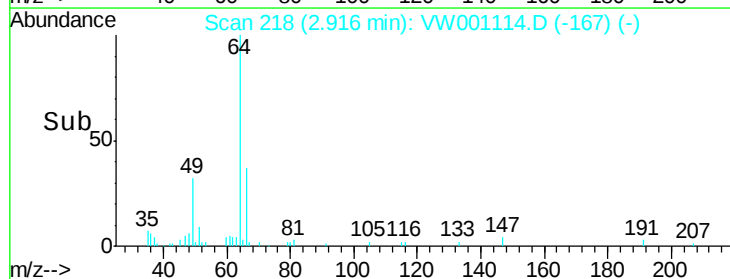
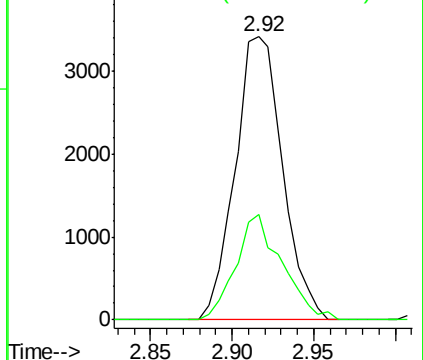
64 100

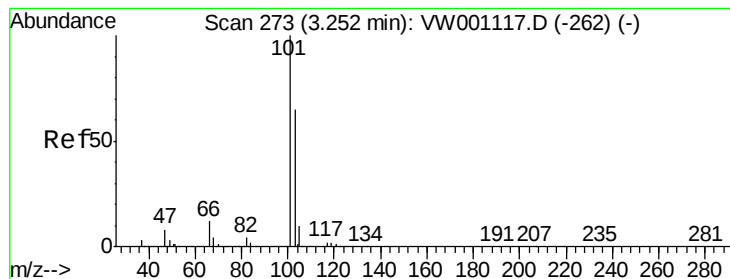
66 37.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 6.06 ug/l

RT: 3.26 min Scan# 275

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

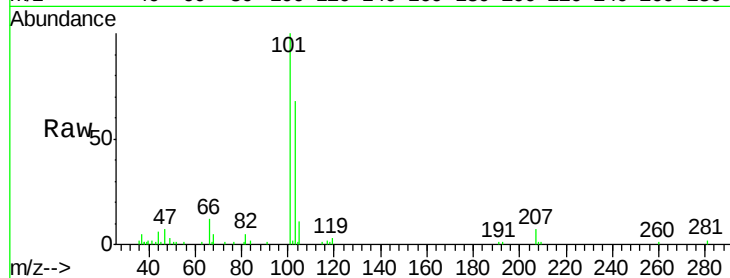
ClientSampleId :

Tgt Ion: 101 Resp: 22186

Ion Ratio Lower Upper

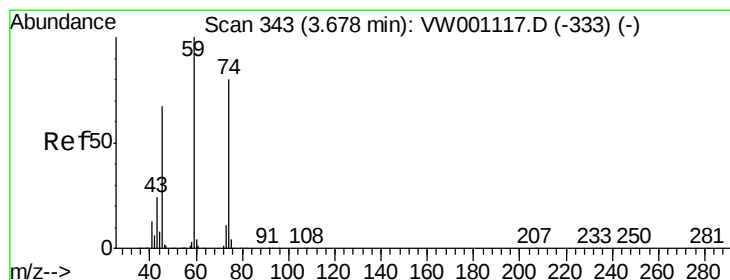
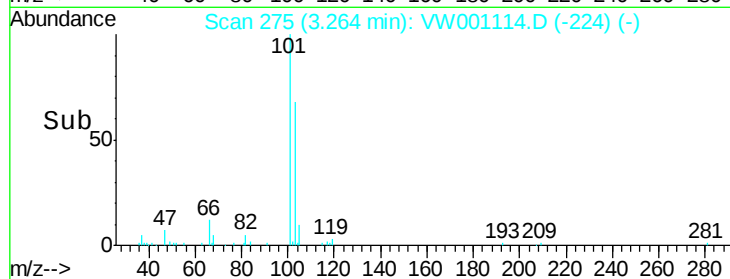
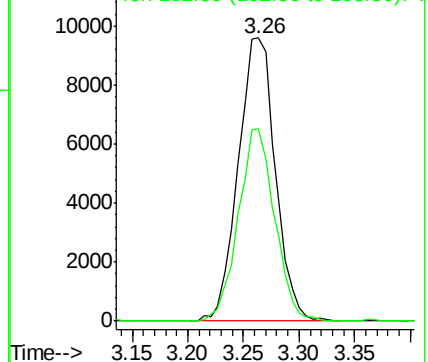
101 100

103 68.1 51.9 77.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 6.05 ug/l

RT: 3.68 min Scan# 344

Delta R.T. 0.01 min

Lab File: VW001114.D

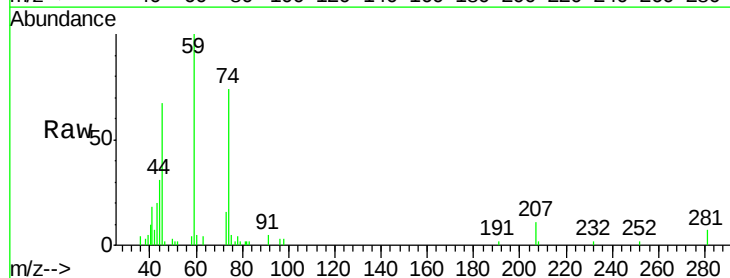
Acq: 29 Jan 2018 12:05

Tgt Ion: 74 Resp: 5764

Ion Ratio Lower Upper

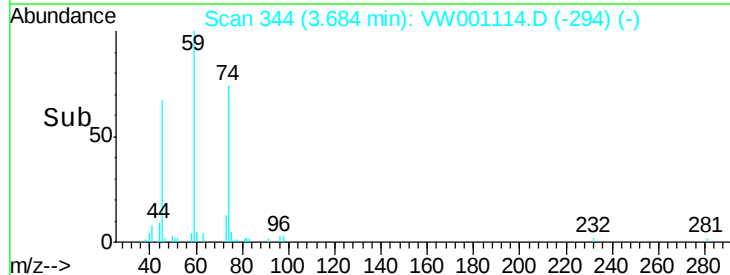
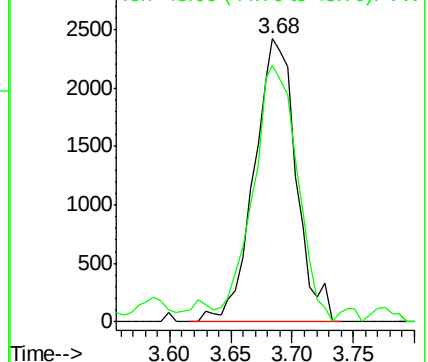
74 100

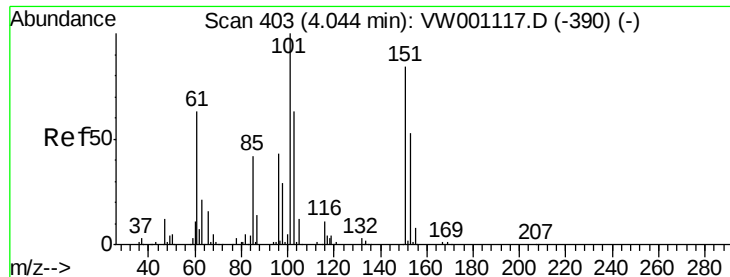
45 96.3 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.06 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampled :

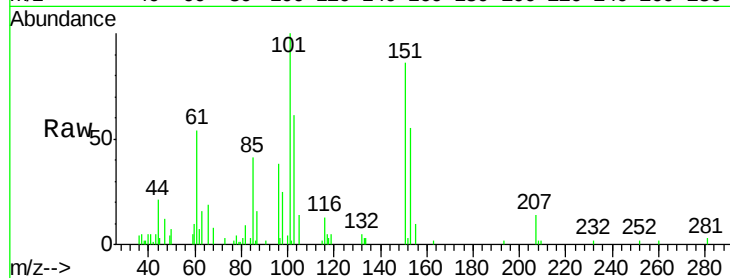
Tgt Ion:101 Resp: 12322

Ion Ratio Lower Upper

101 100

85 44.4 34.9 52.3

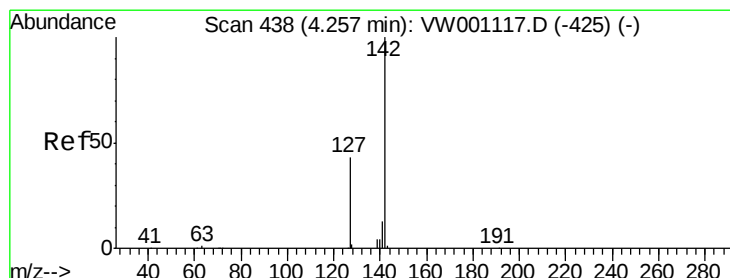
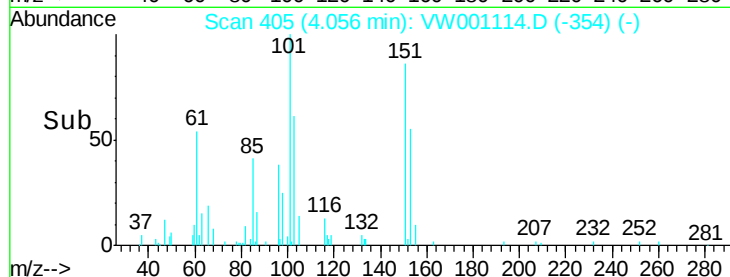
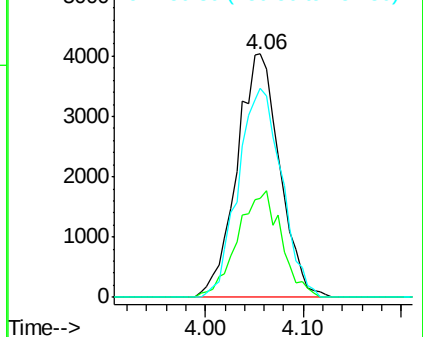
151 86.9 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.10 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

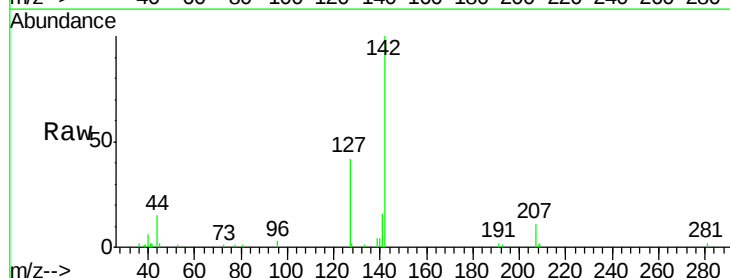
Tgt Ion:142 Resp: 13127

Ion Ratio Lower Upper

142 100

127 44.9 35.4 53.2

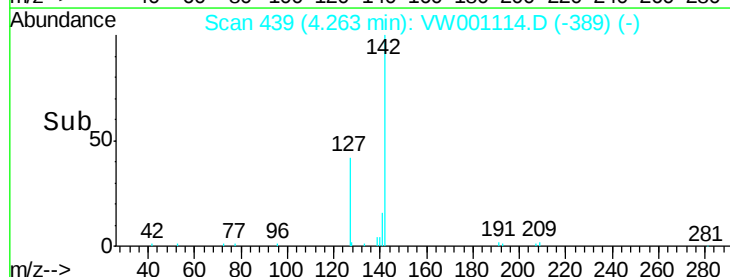
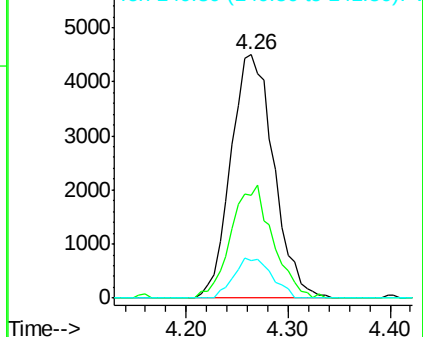
141 14.4 11.6 17.4

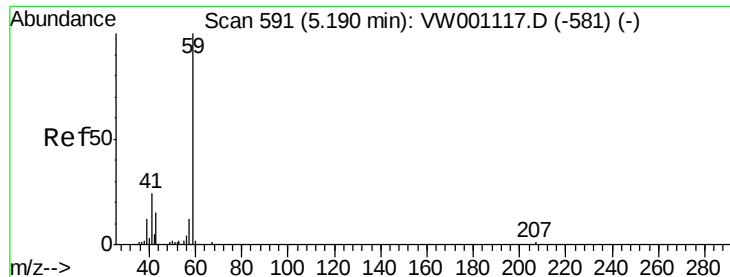


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

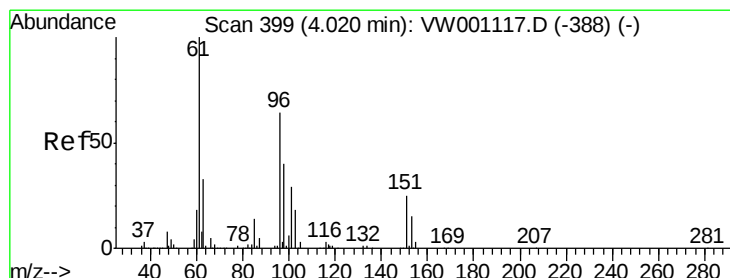
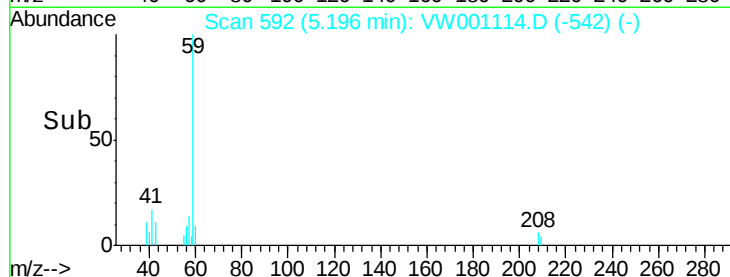
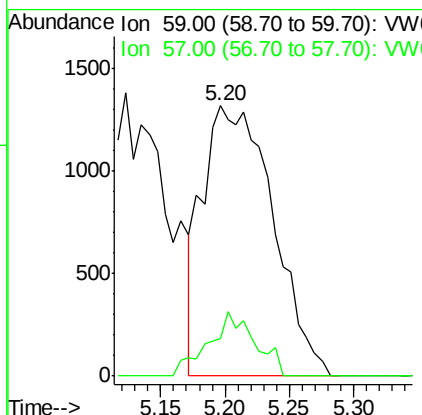
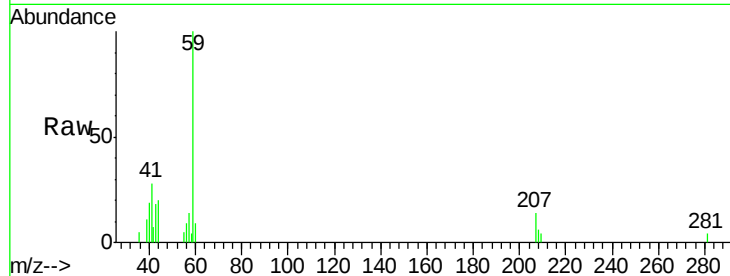




#11
Tert butyl alcohol
Concen: 23.74 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

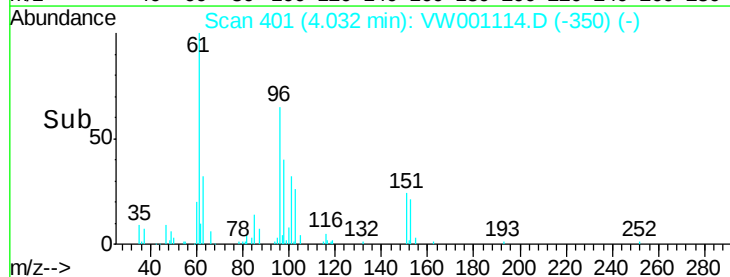
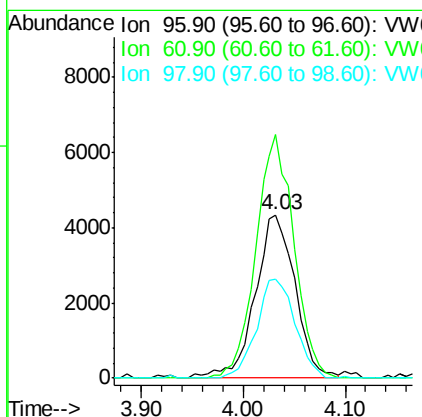
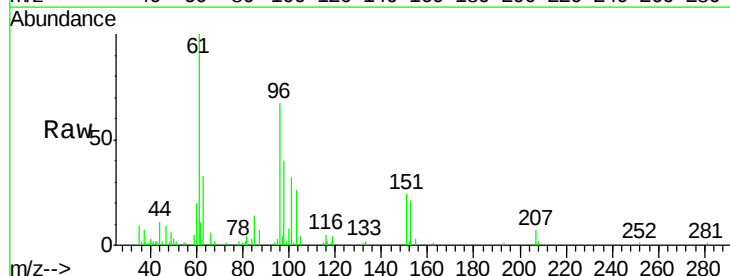
Instrument :
MSVOA_W
ClientSampleId :

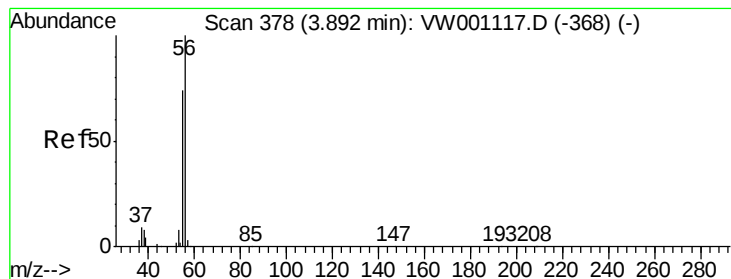
Tgt Ion: 59 Resp: 4979
Ion Ratio Lower Upper
59 100
57 15.7 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 5.53 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 96 Resp: 11762
Ion Ratio Lower Upper
96 100
61 149.3 125.2 187.8
98 60.3 50.3 75.5





#13

Acrolein

Concen: 26.43 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

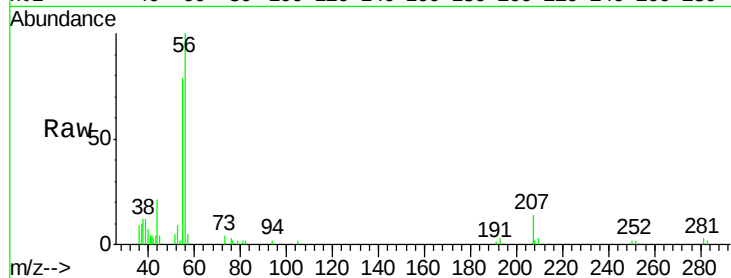
ClientSampleId :

Tgt Ion: 56 Resp: 8867

Ion Ratio Lower Upper

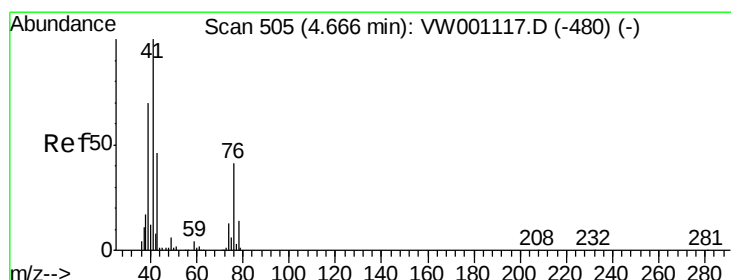
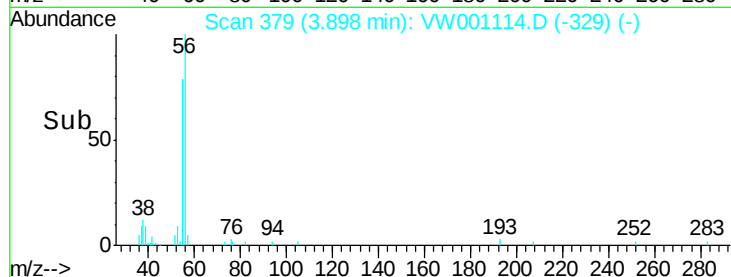
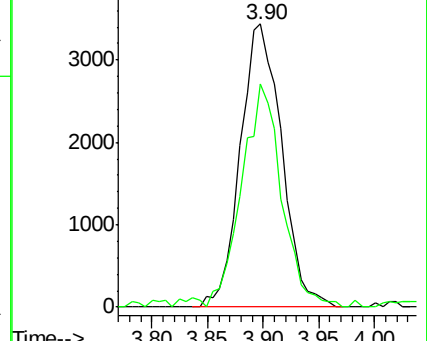
56 100

55 76.0 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 5.61 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

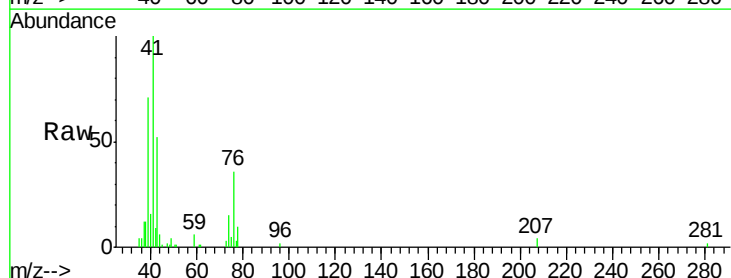
Tgt Ion: 41 Resp: 17855

Ion Ratio Lower Upper

41 100

39 71.5 55.9 83.9

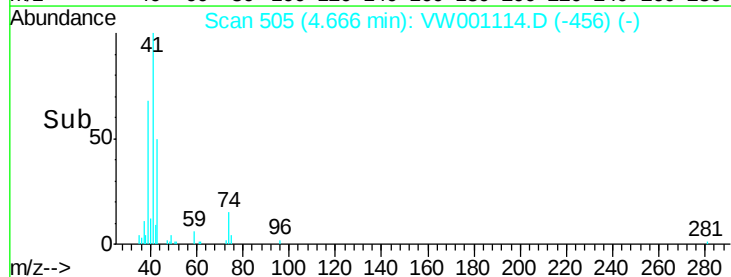
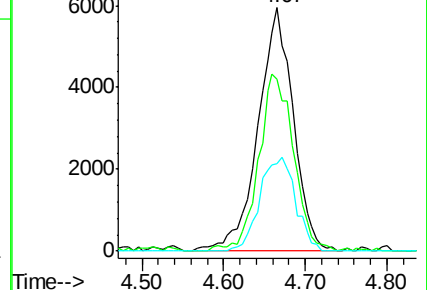
76 38.9 31.0 46.6

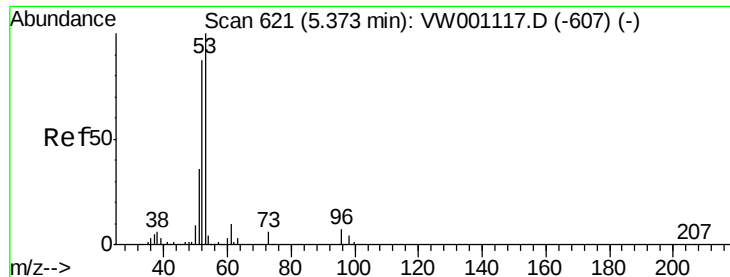


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 28.72 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

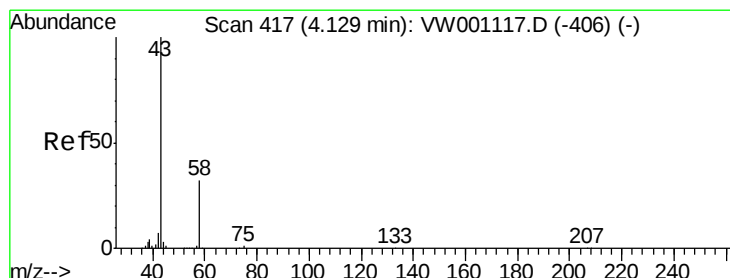
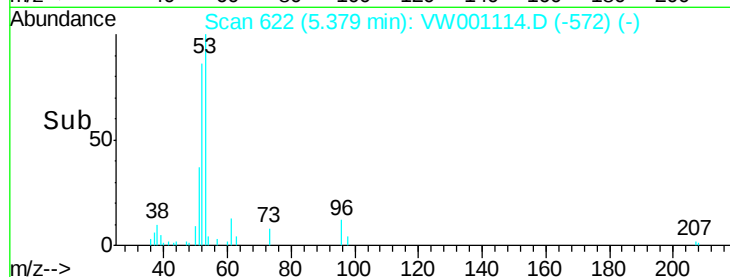
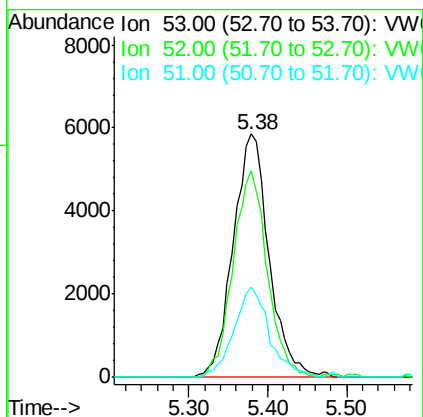
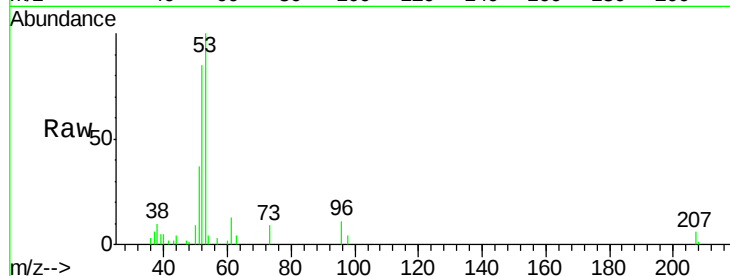
Tgt Ion: 53 Resp: 18586

Ion Ratio Lower Upper

53 100

52 80.6 66.9 100.3

51 36.7 29.5 44.3



#16

Acetone

Concen: 26.63 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW001114.D

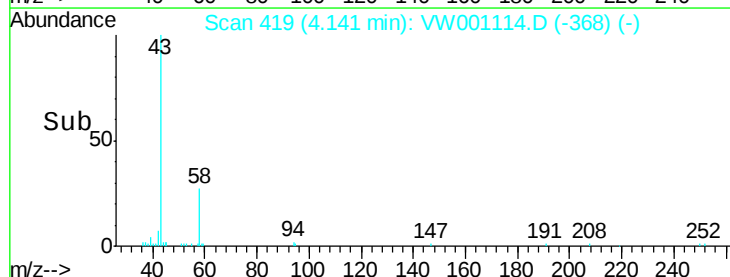
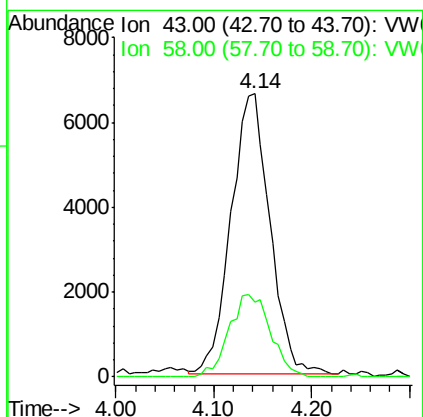
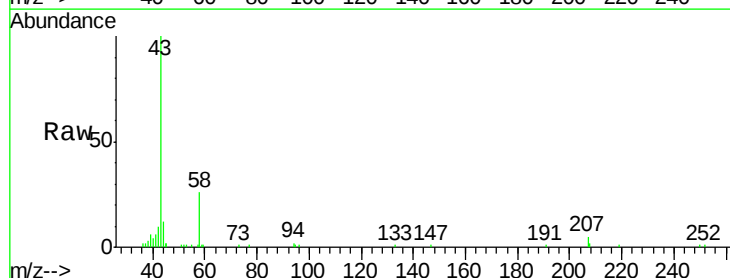
Acq: 29 Jan 2018 12:05

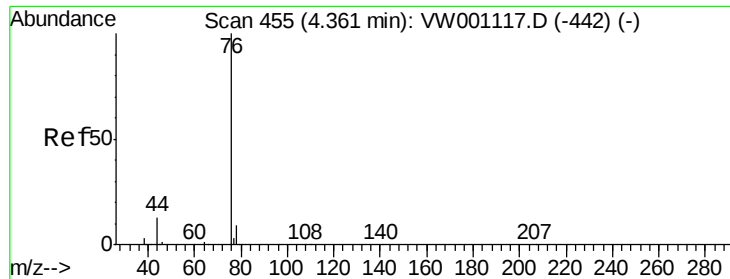
Tgt Ion: 43 Resp: 18205

Ion Ratio Lower Upper

43 100

58 26.5 25.7 38.5

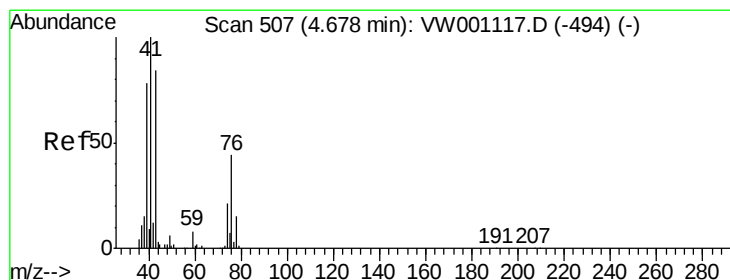
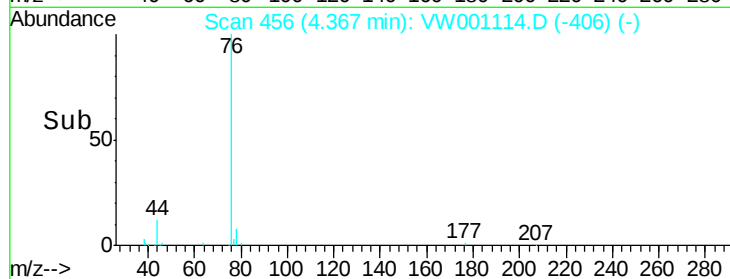
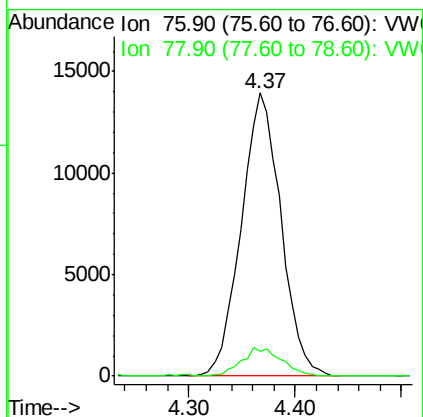
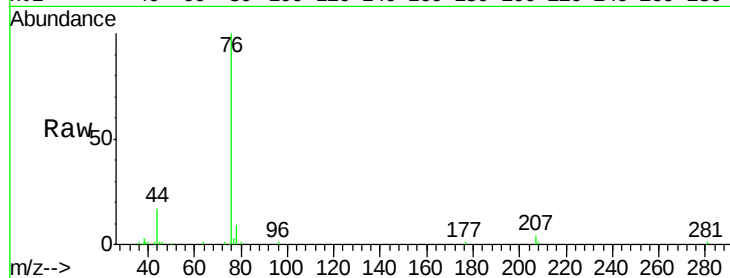




#17
Carbon Disulfide
Concen: 5.53 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

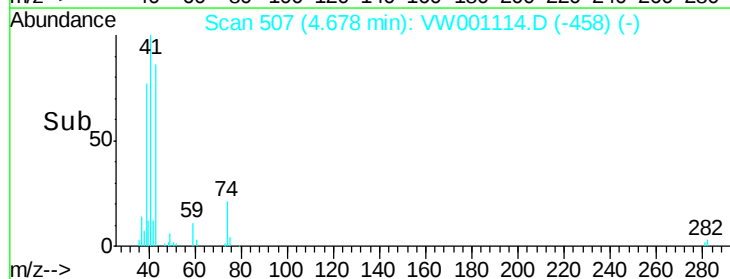
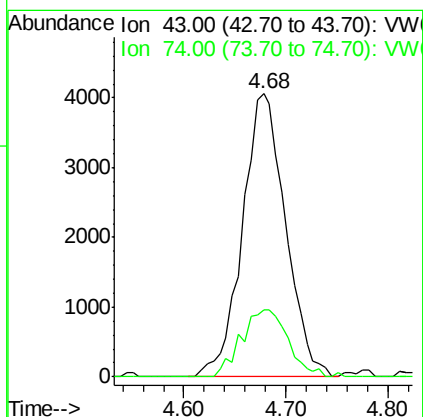
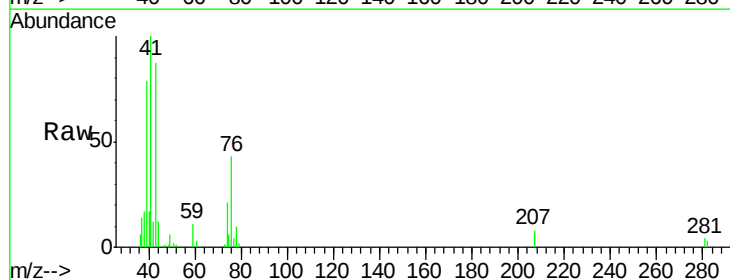
Instrument :
MSVOA_W
ClientSampleId :

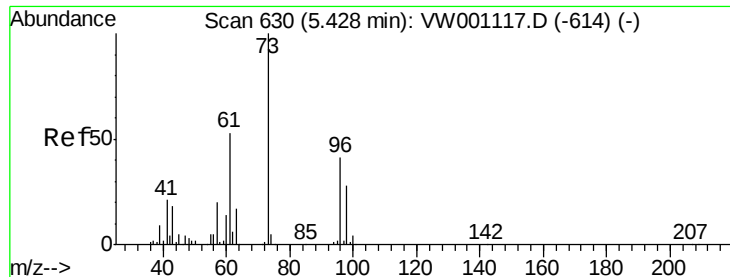
Tgt Ion: 76 Resp: 36533
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 7.15 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 43 Resp: 11940
Ion Ratio Lower Upper
43 100
74 25.4 20.2 30.2





#19

Methyl tert-butyl Ether

Concen: 5.02 ug/l

RT: 5.43 min Scan# 631

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

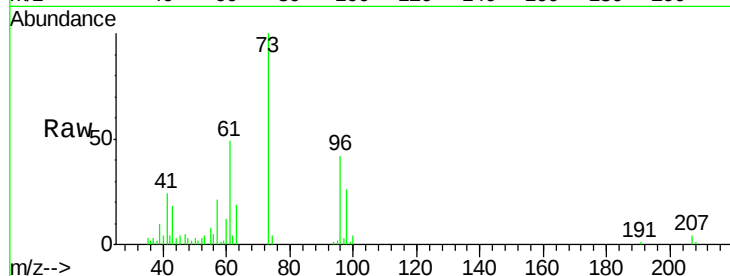
Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 73 Resp: 27656

Ion Ratio Lower Upper

73 100

57 21.0 16.1 24.1

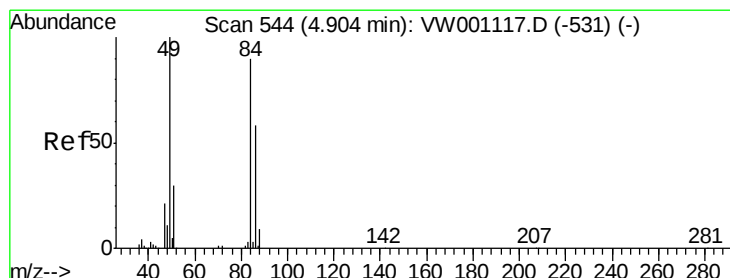
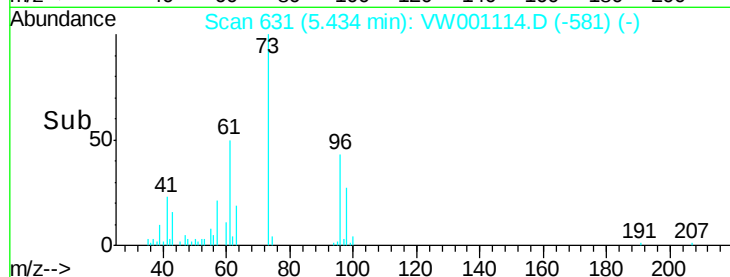


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.43

Time-->



#20

Methylene Chloride

Concen: 5.51 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion: 84 Resp: 17411

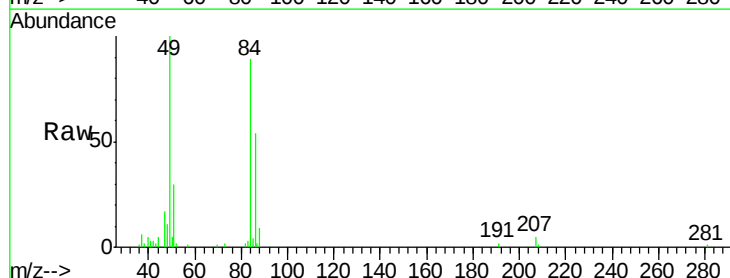
Ion Ratio Lower Upper

84 100

49 112.8 89.2 133.8

51 33.3 26.7 40.1

86 61.4 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VW

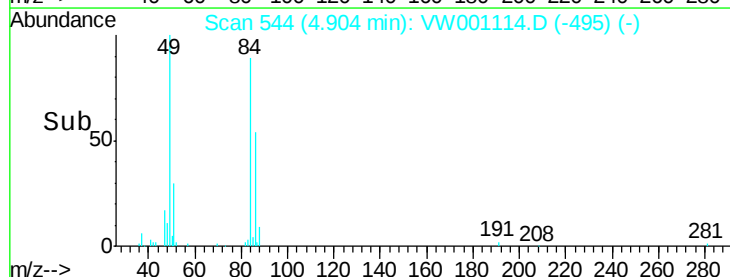
Ion 48.90 (48.60 to 49.60): VW

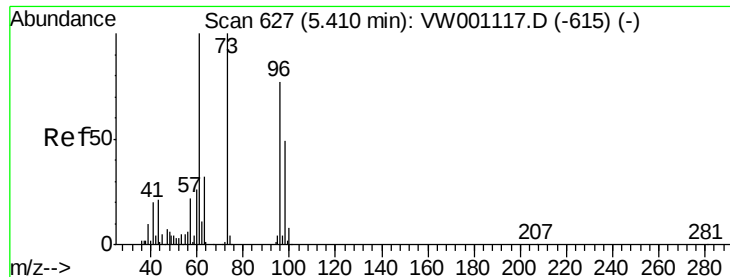
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

4.90

Time-->





#21

trans-1,2-Dichloroethene

Concen: 5.59 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

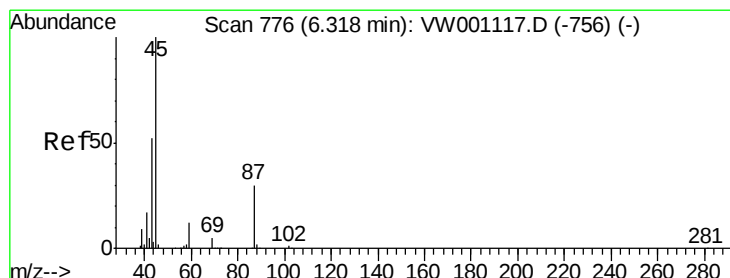
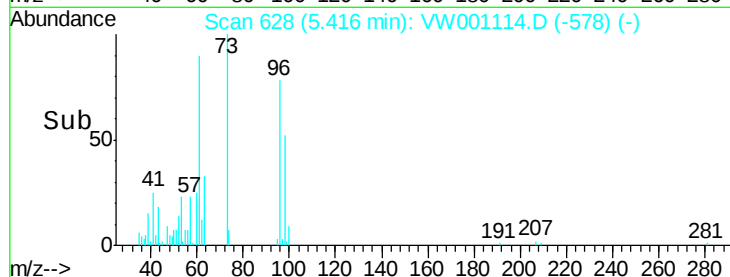
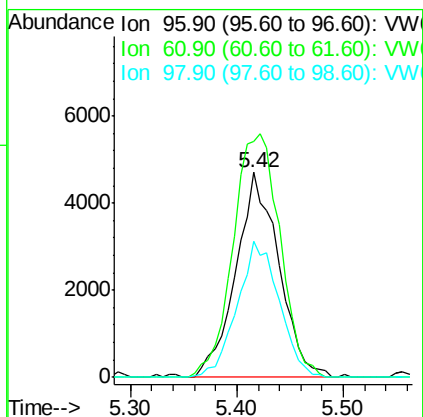
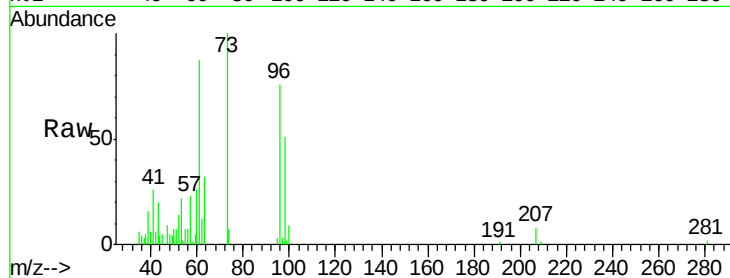
Tgt Ion: 96 Resp: 13287

Ion Ratio Lower Upper

96 100

61 114.9 104.6 156.8

98 66.6 50.8 76.2



#22

Diisopropyl ether

Concen: 4.96 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion: 45 Resp: 30202

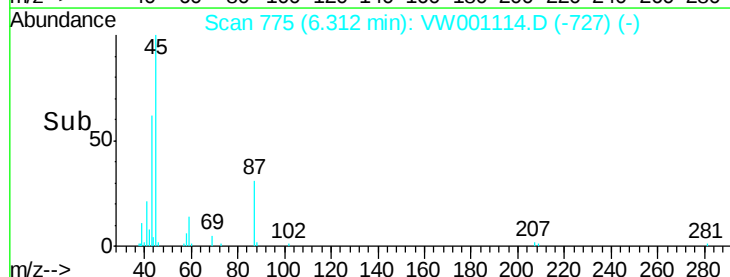
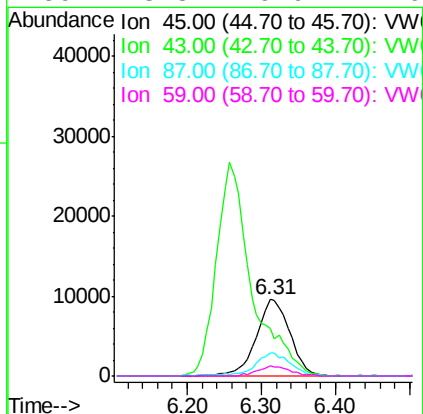
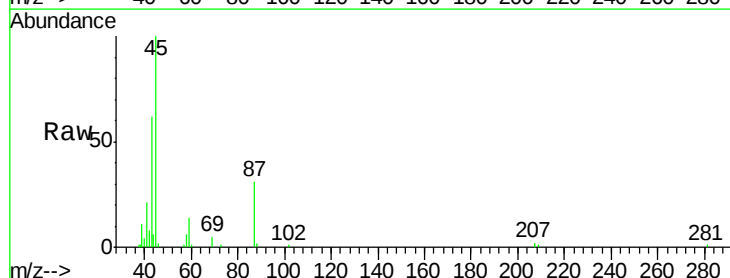
Ion Ratio Lower Upper

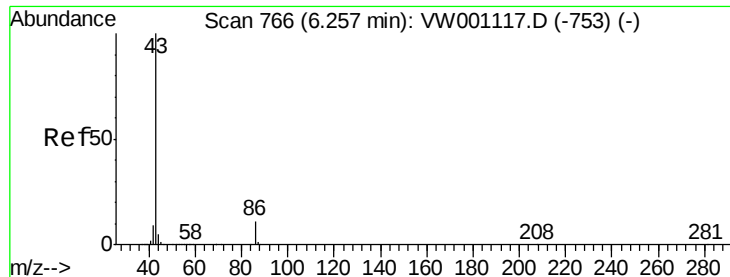
45 100

43 60.8 41.6 62.4

87 30.9 24.5 36.7

59 13.8 9.9 14.9

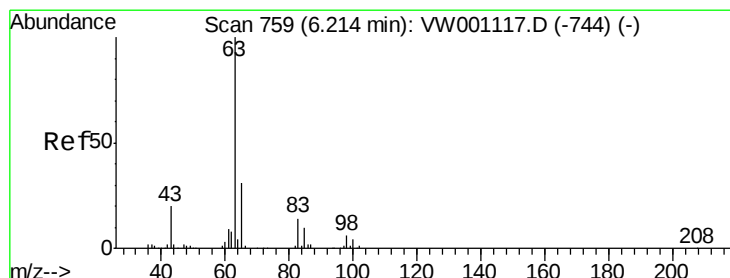
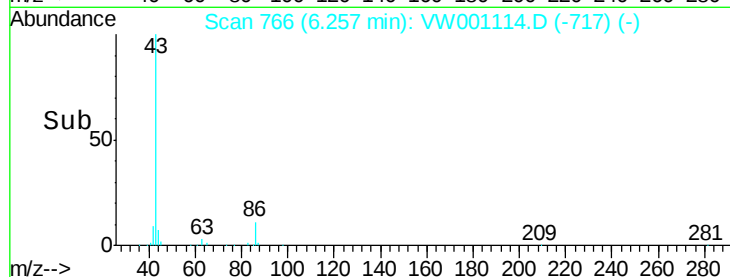
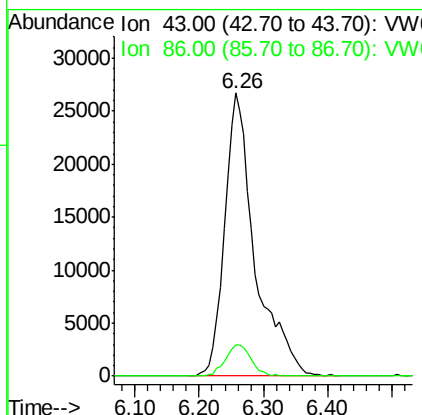
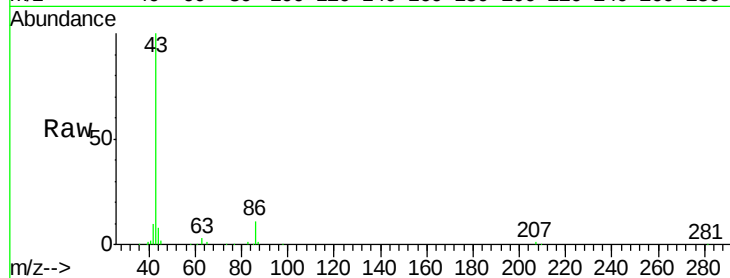




#23
 Vinyl Acetate
 Concen: 24.20 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

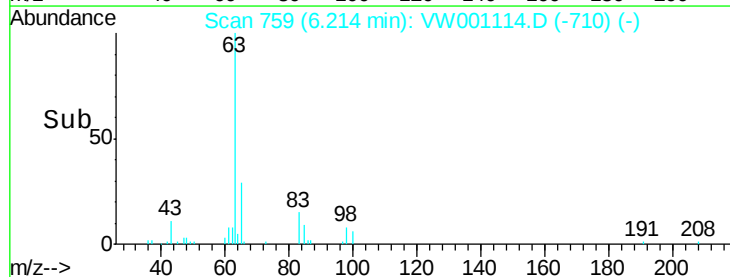
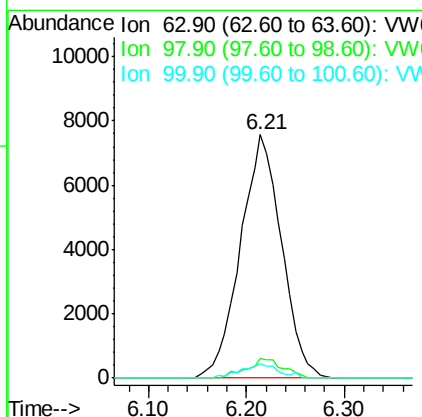
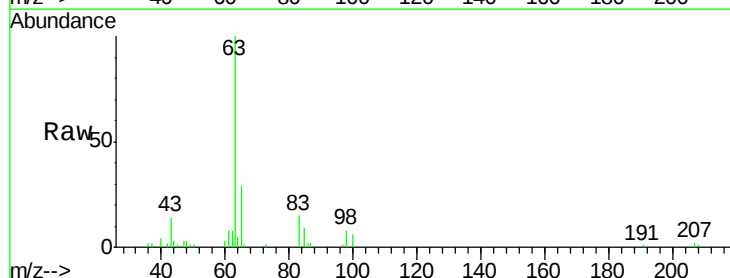
Instrument :
 MSVOA_W
 ClientSampleId :

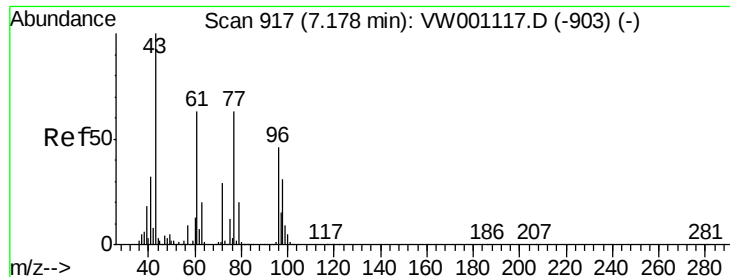
Tgt Ion: 43 Resp: 88361
 Ion Ratio Lower Upper
 43 100
 86 10.8 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 5.57 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 63 Resp: 22136
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.0 9.2
 100 5.8 2.1 6.3





#25

2-Butanone

Concen: 27.54 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

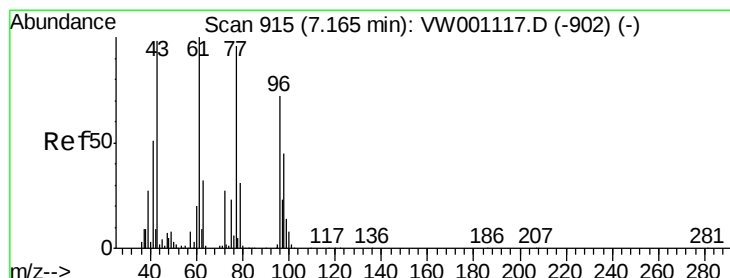
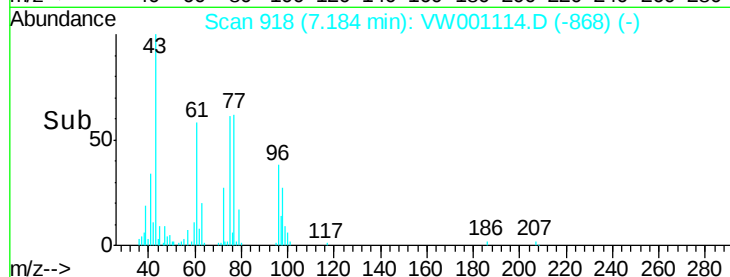
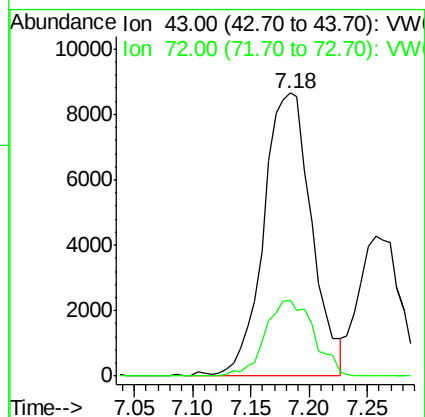
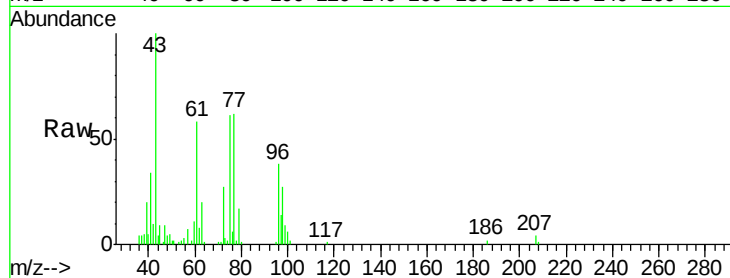
ClientSampleId :

Tgt Ion: 43 Resp: 24715

Ion Ratio Lower Upper

43 100

72 27.1 22.8 34.2



#26

2,2-Dichloropropane

Concen: 5.83 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW001114.D

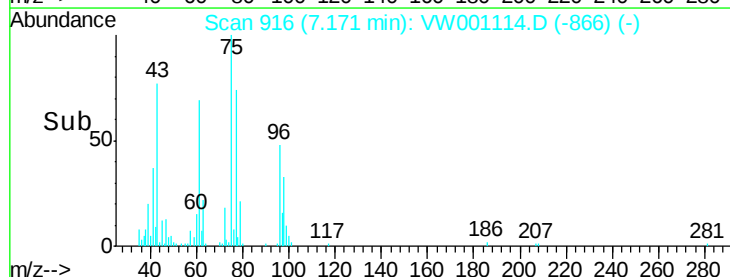
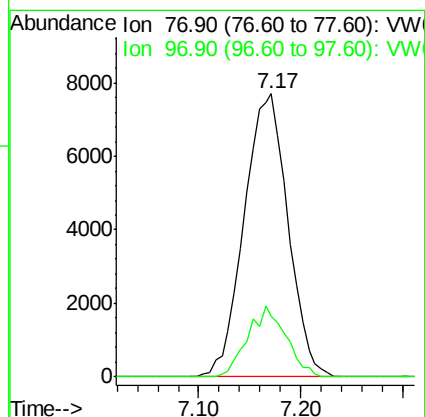
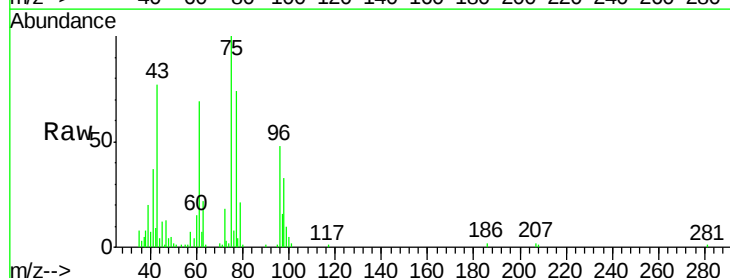
Acq: 29 Jan 2018 12:05

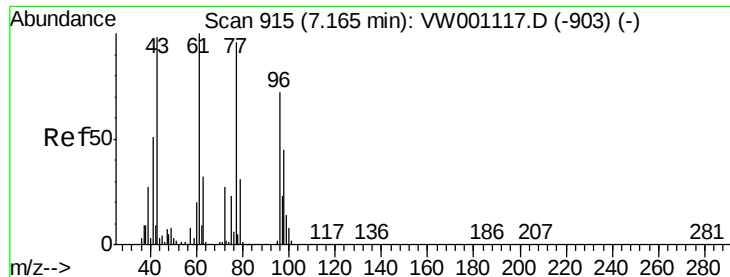
Tgt Ion: 77 Resp: 22948

Ion Ratio Lower Upper

77 100

97 21.8 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 5.37 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampled :

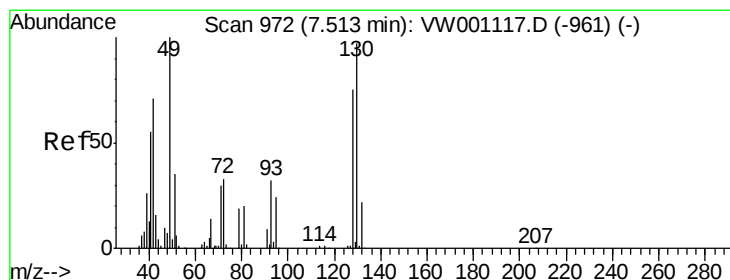
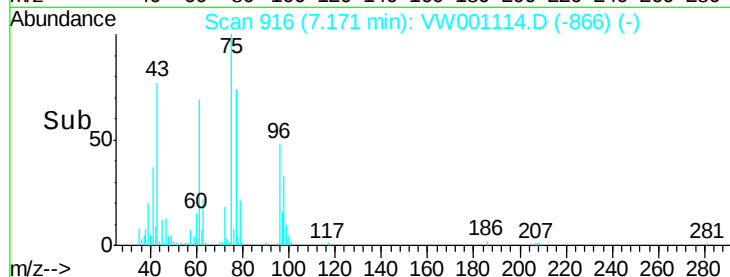
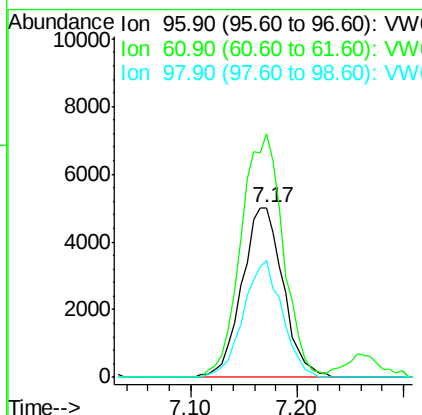
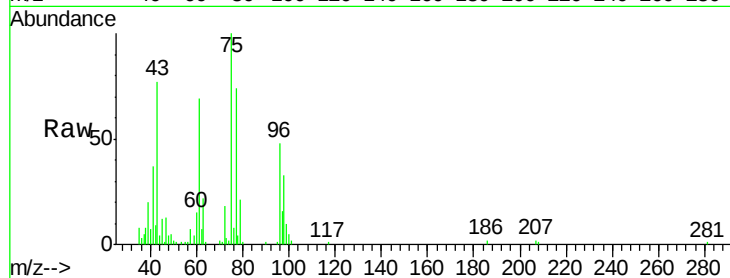
Tgt Ion: 96 Resp: 13609

Ion Ratio Lower Upper

96 100

61 146.5 0.0 280.4

98 64.6 0.0 129.6



#28

Bromochloromethane

Concen: 5.35 ug/l

RT: 7.52 min Scan# 973

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

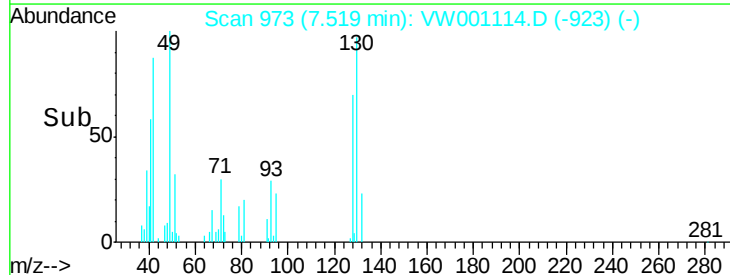
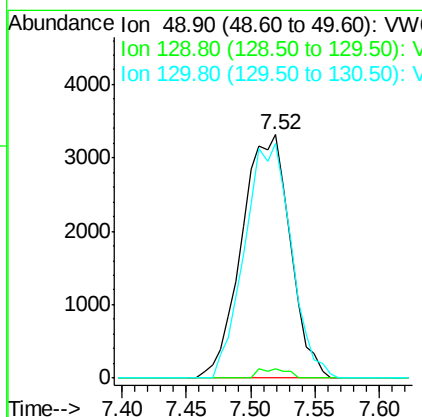
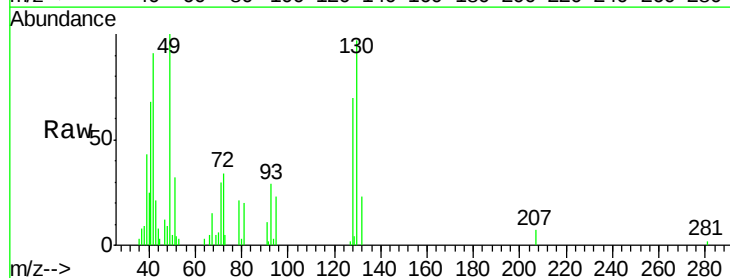
Tgt Ion: 49 Resp: 8647

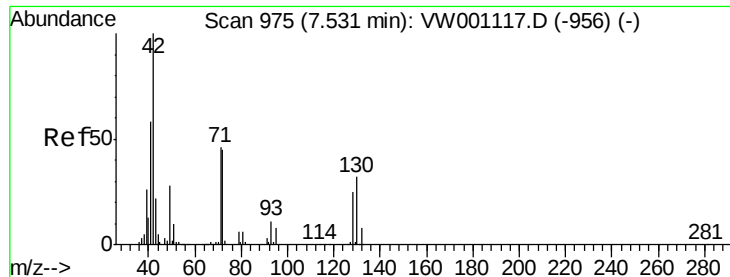
Ion Ratio Lower Upper

49 100

129 2.2 0.0 2.6

130 92.7 75.5 113.3

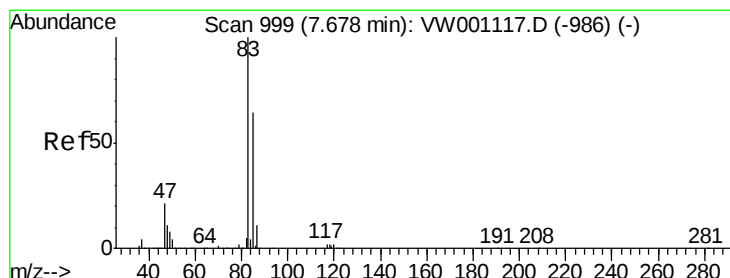
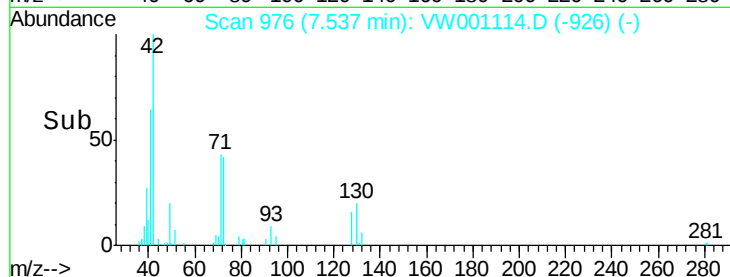
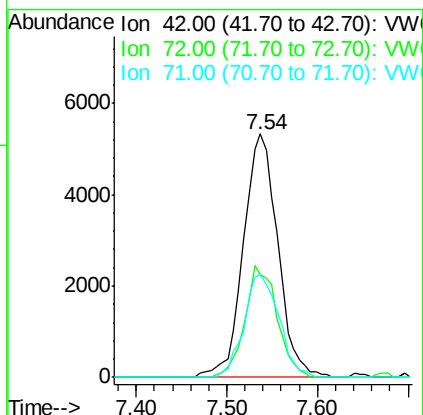
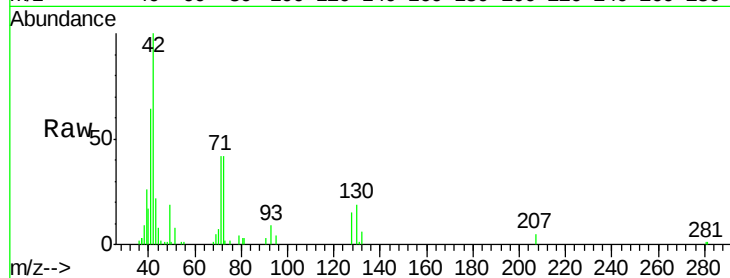




#29
Tetrahydrofuran
Concen: 27.38 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

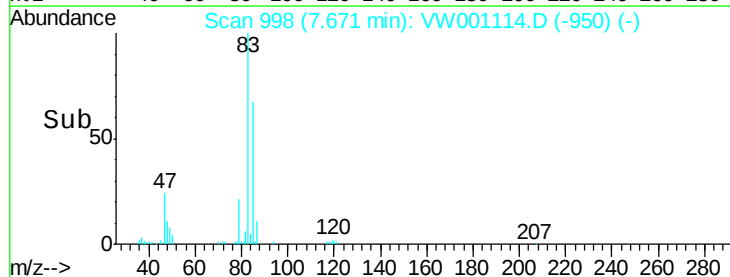
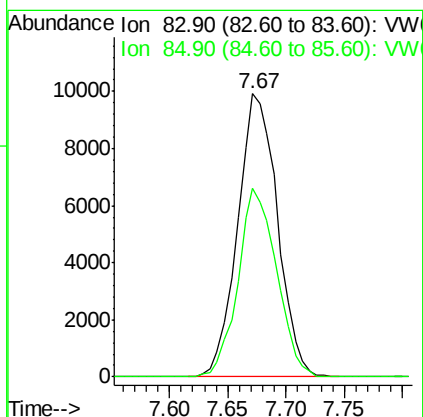
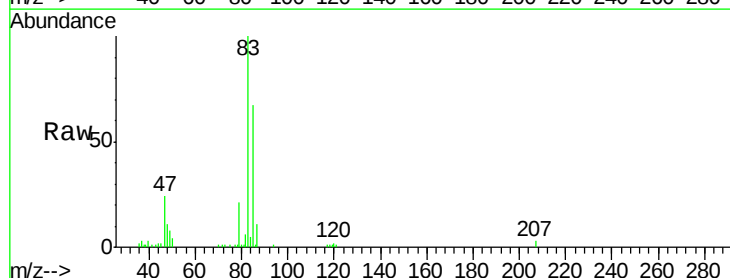
Instrument :
MSVOA_W
ClientSampleId :

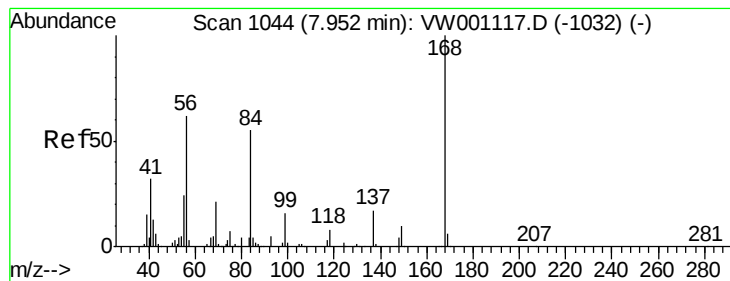
Tgt Ion: 42 Resp: 14035
Ion Ratio Lower Upper
42 100
72 42.8 36.8 55.2
71 42.9 35.1 52.7



#30
Chloroform
Concen: 5.47 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 83 Resp: 23564
Ion Ratio Lower Upper
83 100
85 66.6 51.4 77.2





#31

Cyclohexane

Concen: 6.22 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampled :

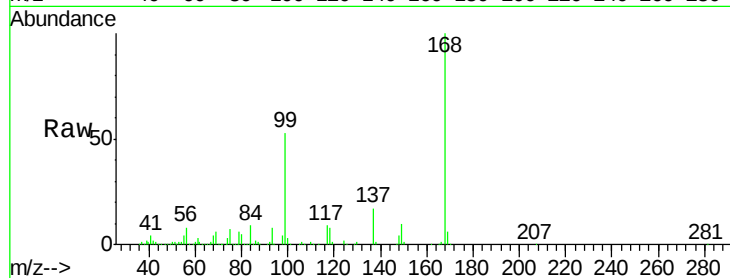
Tgt Ion: 56 Resp: 24008

Ion Ratio Lower Upper

56 100

69 68.6 27.4 41.0#

84 101.9 71.1 106.7

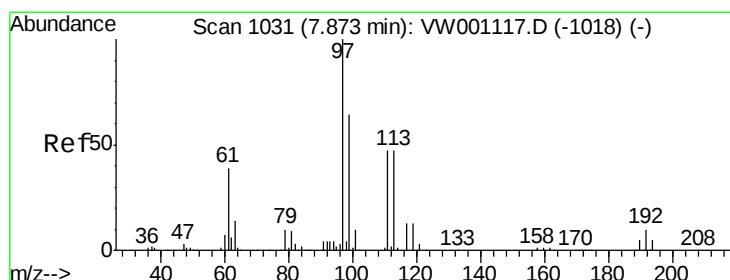
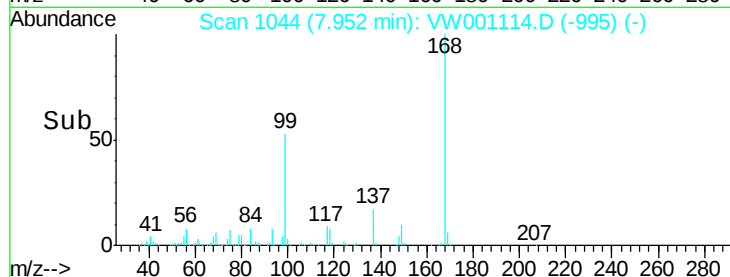
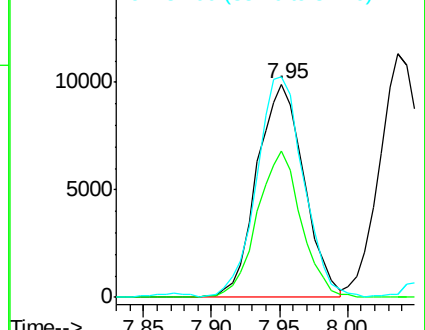


Abundance

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: 5.42 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

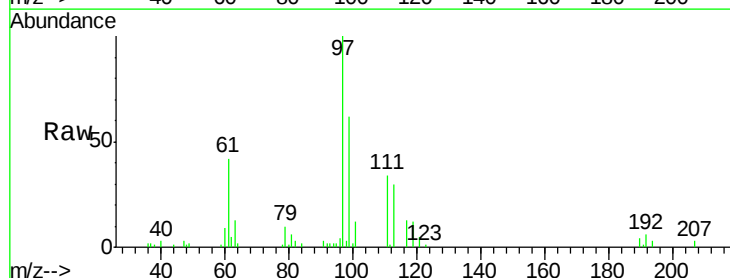
Tgt Ion: 97 Resp: 22108

Ion Ratio Lower Upper

97 100

99 66.1 51.4 77.2

61 42.9 32.4 48.6

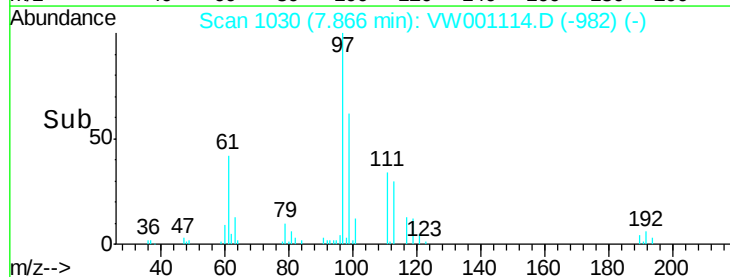
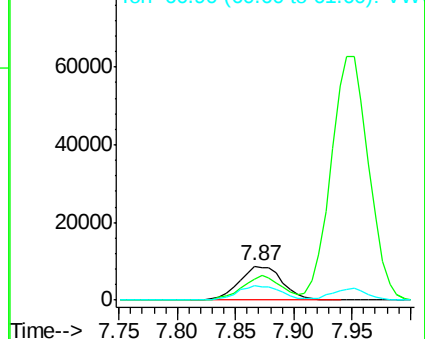


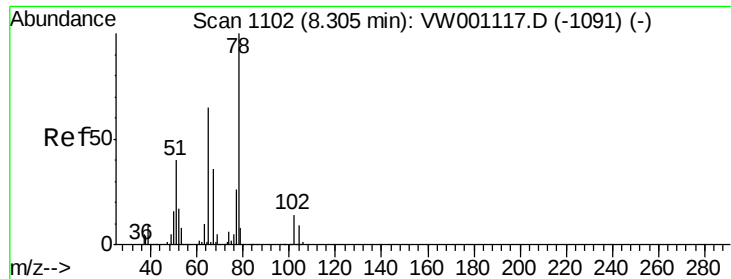
Abundance

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

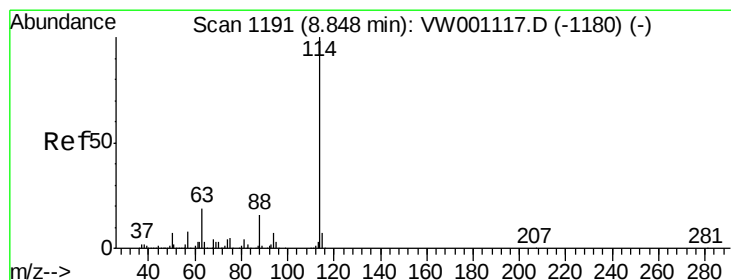
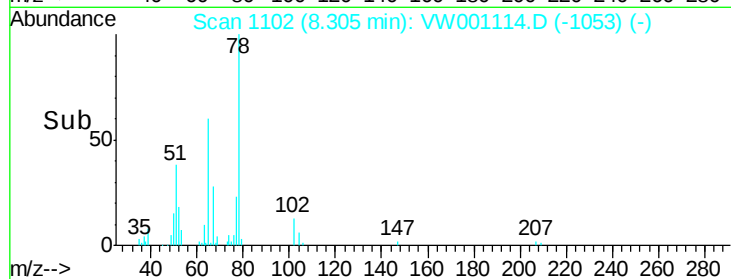
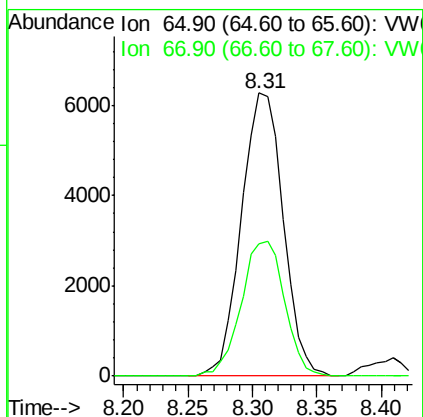
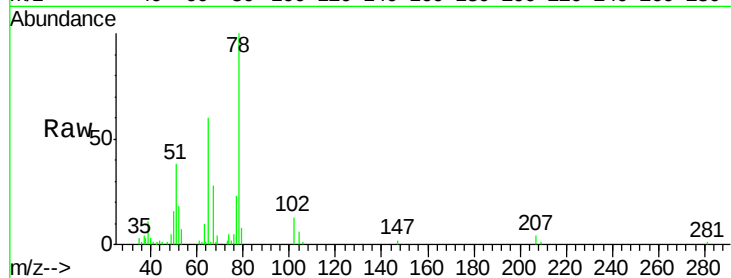




#33
 1,2-Dichloroethane-d4
 Concen: 5.41 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

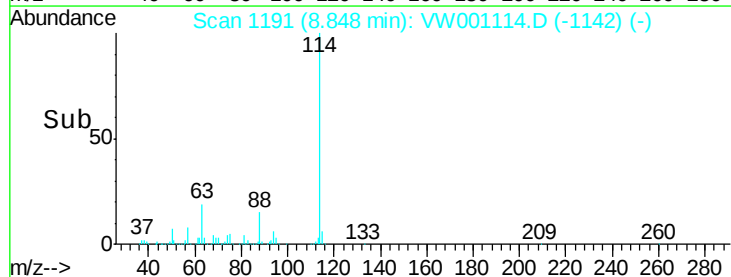
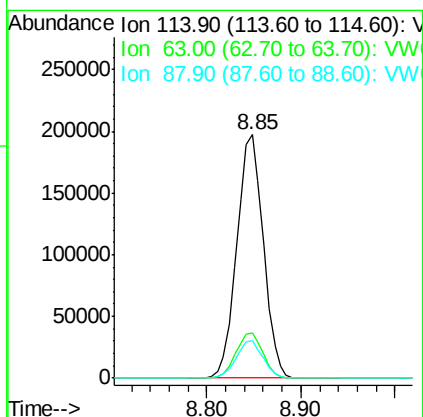
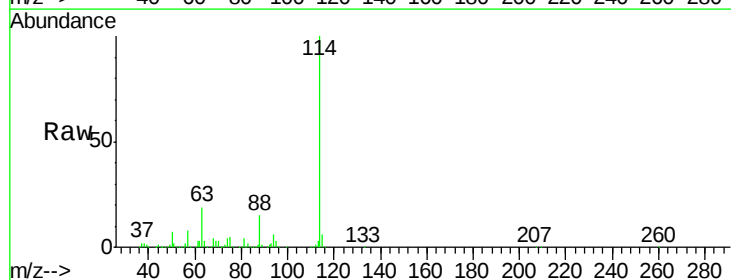
Instrument :
 MSVOA_W
 ClientSampleId :

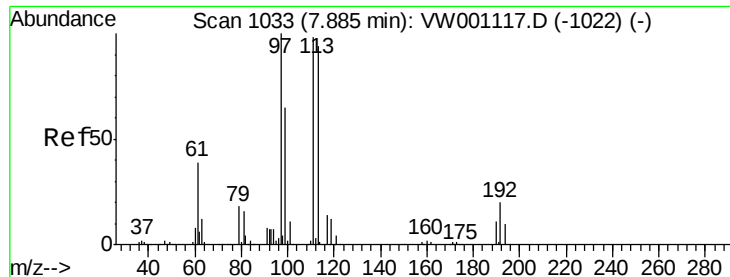
Tgt Ion: 65 Resp: 14070
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 114 Resp: 384663
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.2
 88 15.3 0.0 31.0

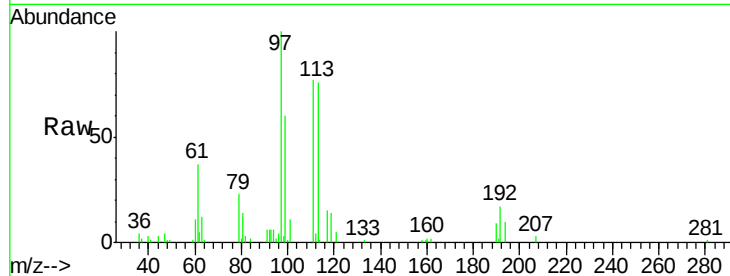




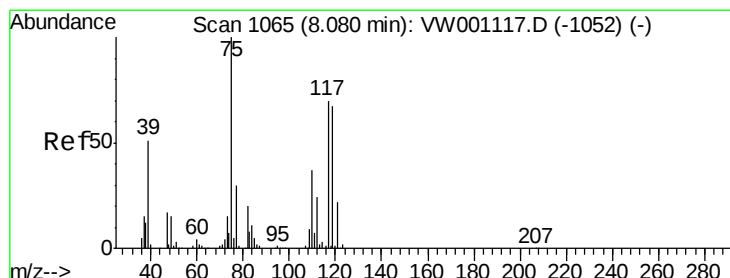
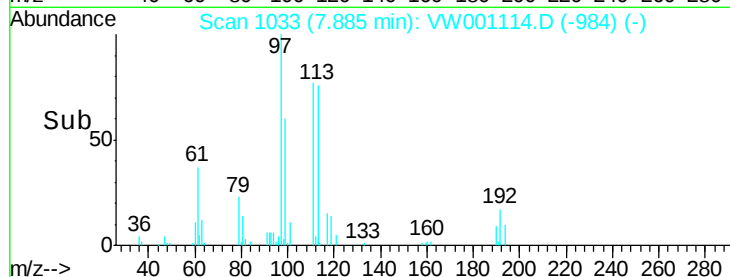
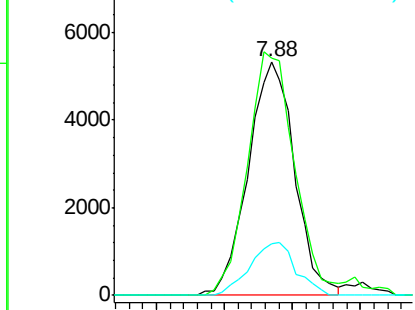
#35
 Dibromofluoromethane
 Concen: 5.18 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion: 113 Resp: 12739
 Ion Ratio Lower Upper
 113 100
 111 105.6 83.1 124.7
 192 22.4 17.8 26.6

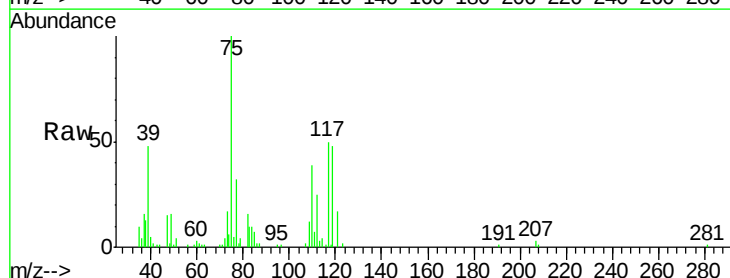


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

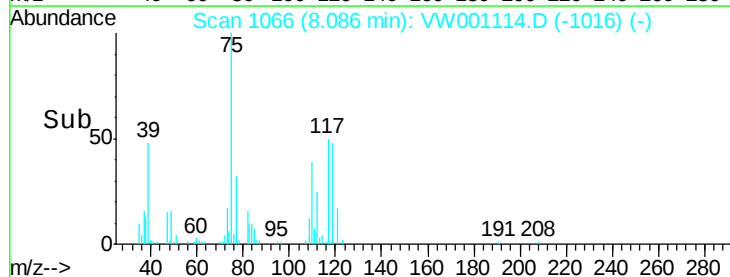
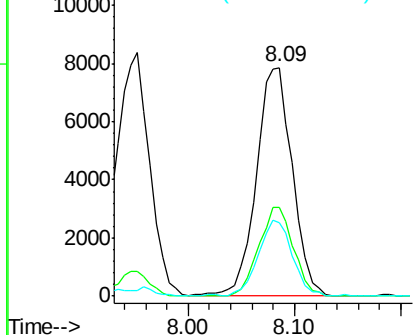


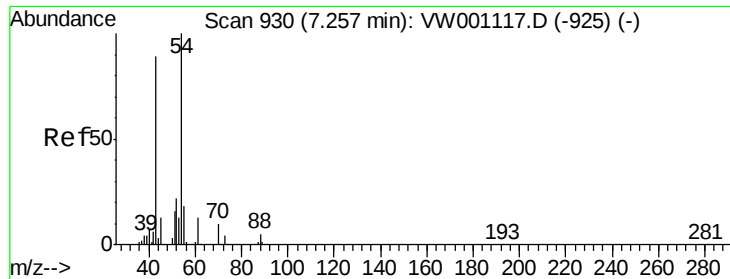
#36
 1,1-Dichloropropene
 Concen: 5.35 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 75 Resp: 18581
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.7 56.1
 77 31.3 24.6 37.0



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

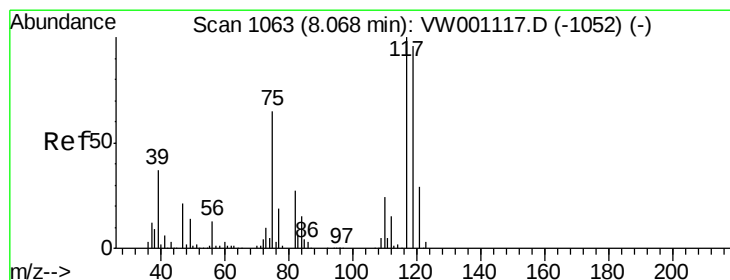
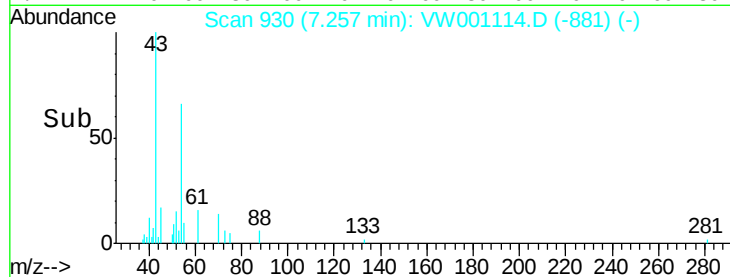
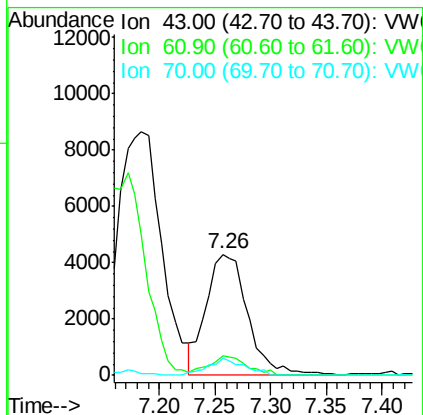
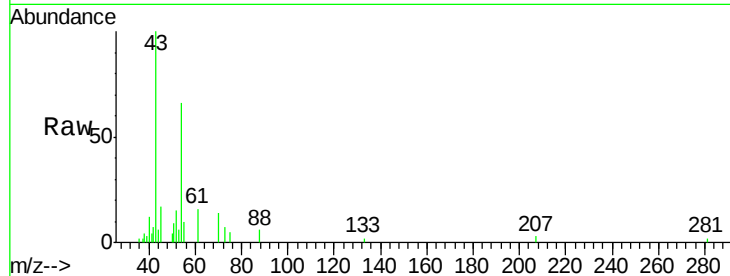




#37
Ethyl Acetate
Concen: 6.12 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

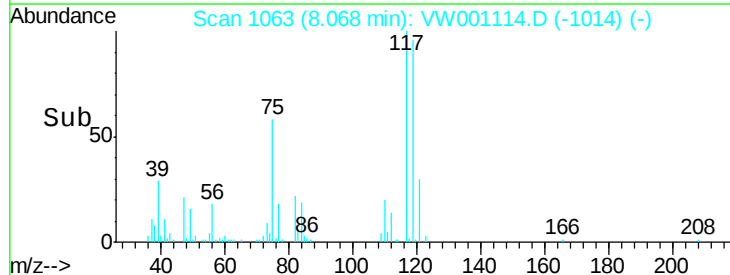
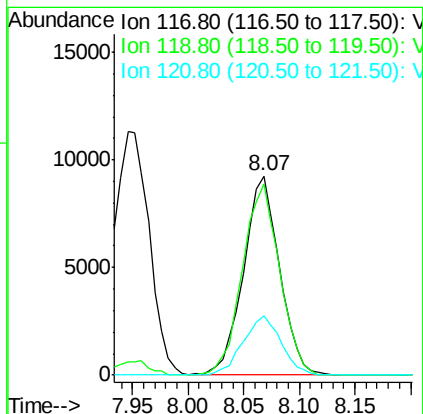
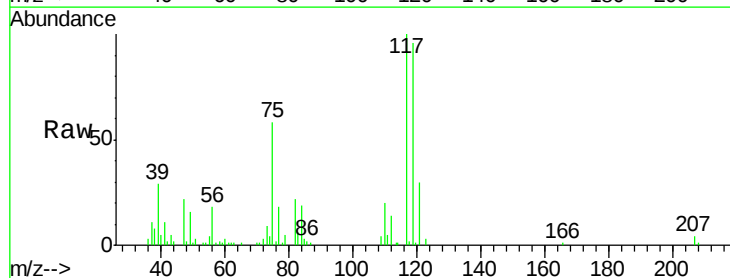
Instrument :
MSVOA_W
ClientSampled :

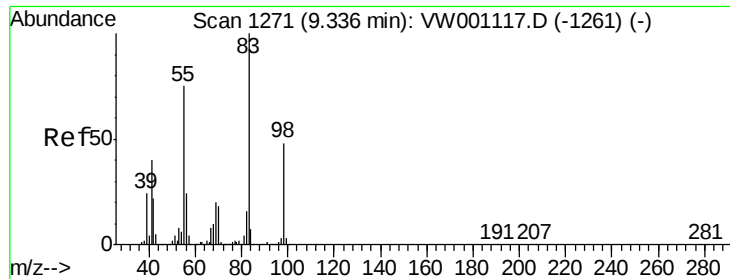
Tgt Ion: 43 Resp: 11233
Ion Ratio Lower Upper
43 100
61 14.9 11.9 17.9
70 11.9 9.4 14.0



#38
Carbon Tetrachloride
Concen: 5.39 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 117 Resp: 20902
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.4
121 29.8 23.5 35.3

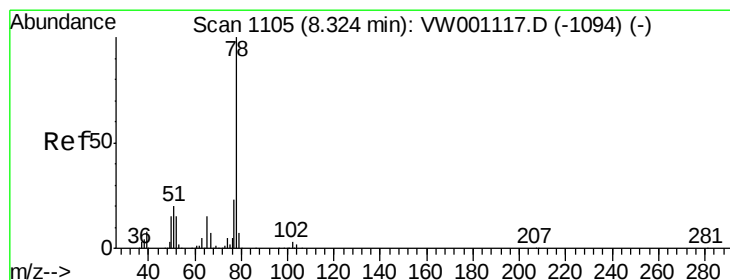
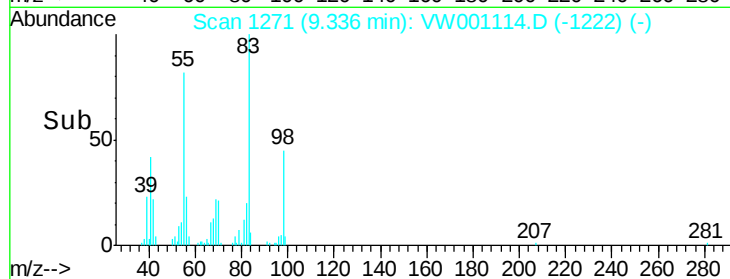
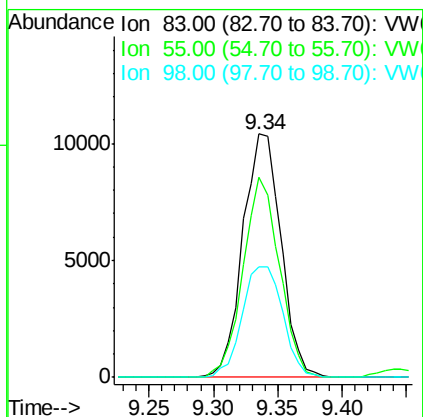
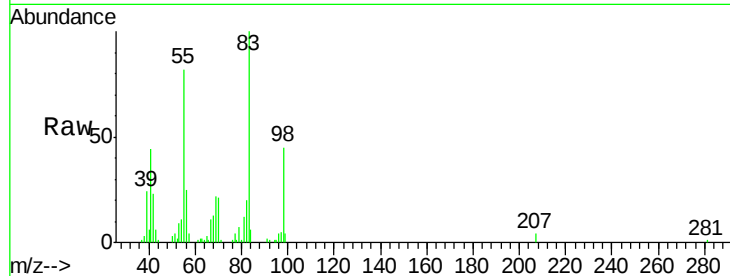




#39
Methylcyclohexane
Concen: 5.18 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

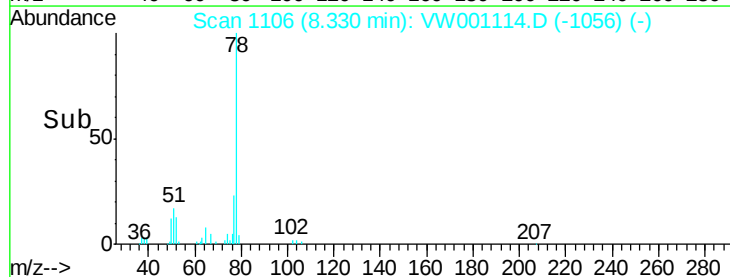
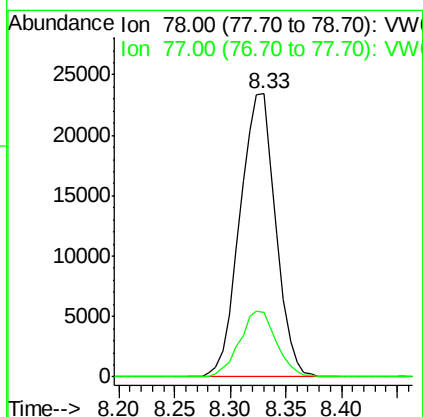
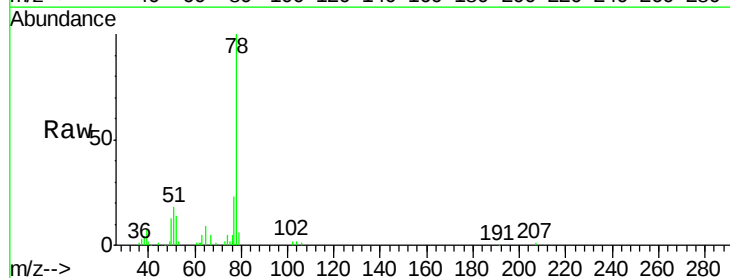
Instrument :
MSVOA_W
ClientSampleId :

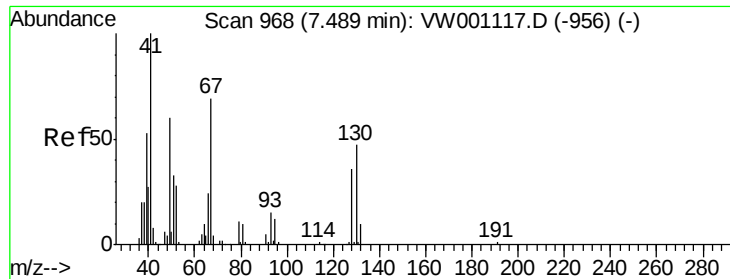
Tgt Ion: 83 Resp: 21257
Ion Ratio Lower Upper
83 100
55 82.2 59.7 89.5
98 45.3 38.0 57.0



#40
Benzene
Concen: 5.44 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 78 Resp: 52342
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0

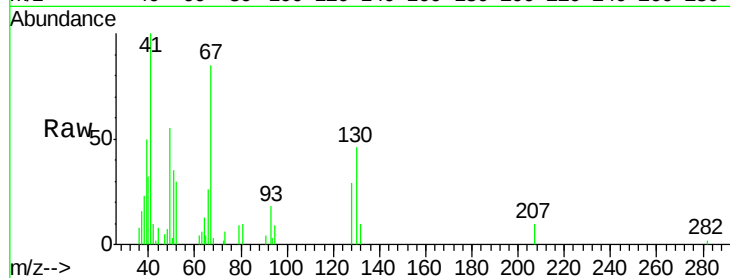




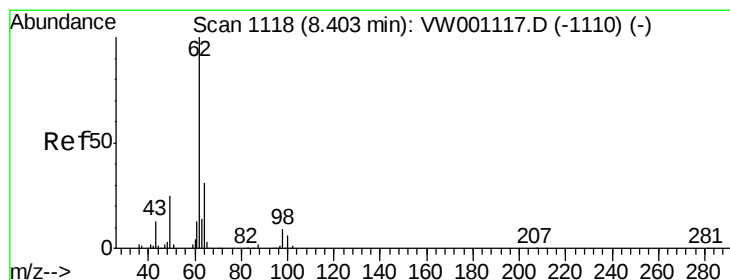
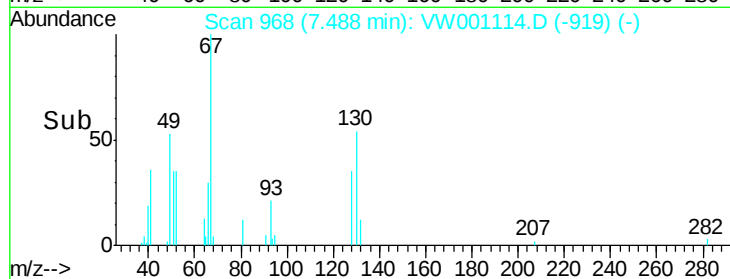
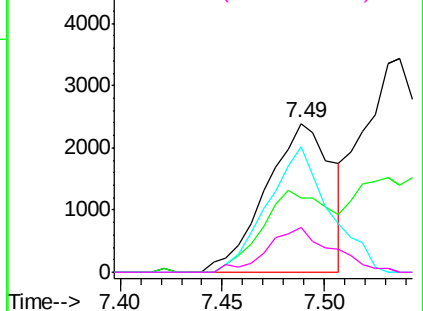
#41
Methacrylonitrile
Concen: 5.30 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:	41	Resp:	5401
Ion	Ratio	Lower	Upper
41	100		
39	56.6	48.8	73.2
67	78.9	59.6	89.4
52	29.4	24.6	37.0

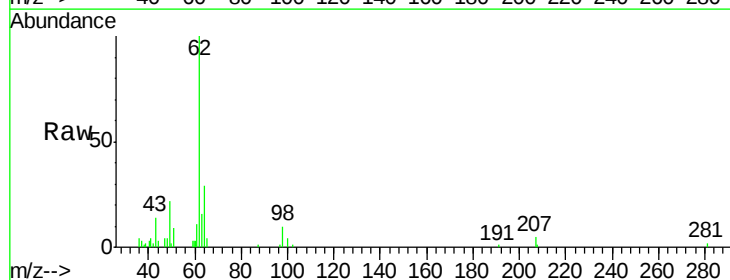


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

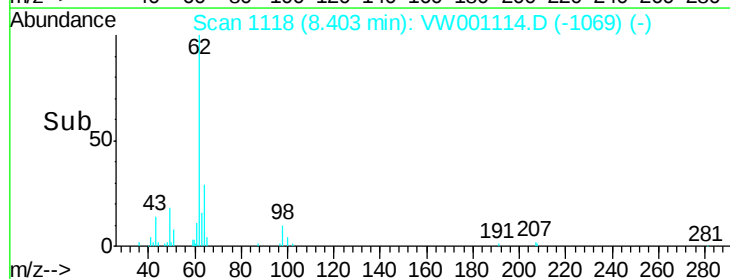
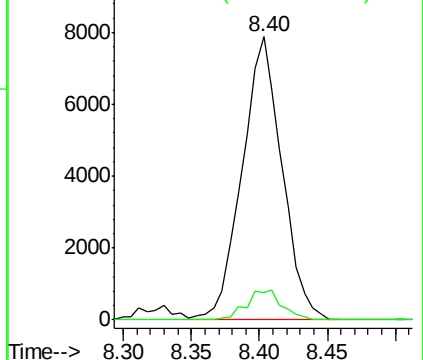


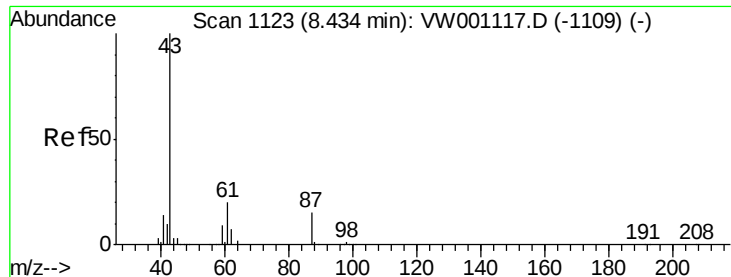
#42
1,2-Dichloroethane
Concen: 5.34 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:	62	Resp:	16151
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8



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





#43

Isopropyl Acetate

Concen: 4.93 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

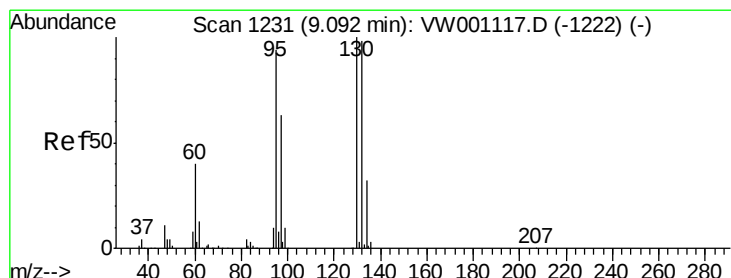
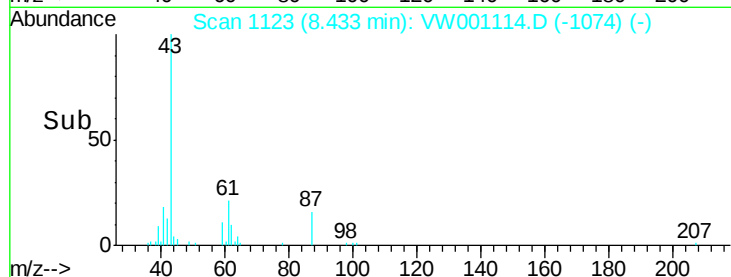
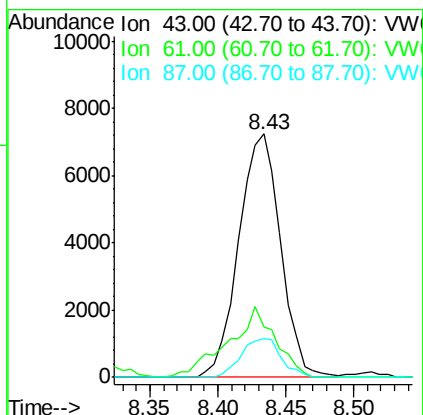
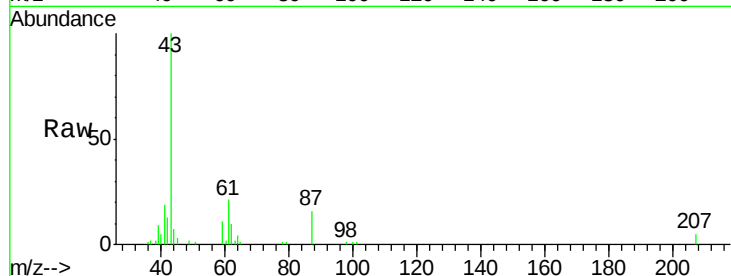
Tgt Ion: 43 Resp: 15558

Ion Ratio Lower Upper

43 100

61 32.7 23.9 35.9

87 15.3 12.0 18.0



#44

Trichloroethene

Concen: 5.65 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW001114.D

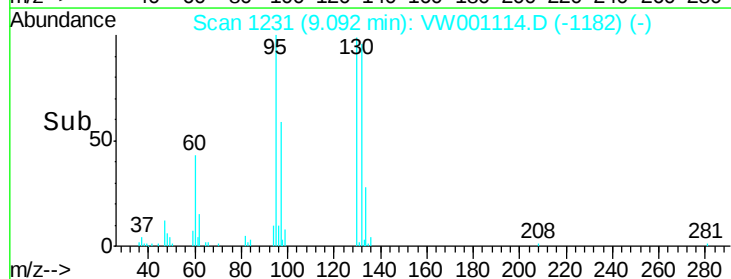
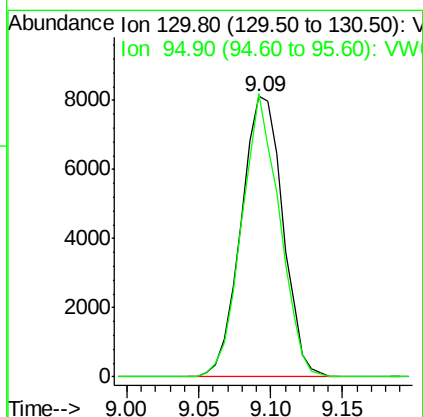
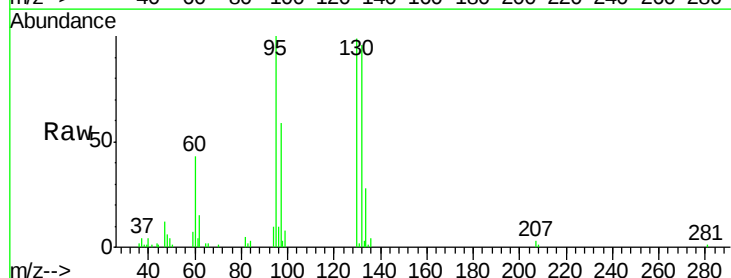
Acq: 29 Jan 2018 12:05

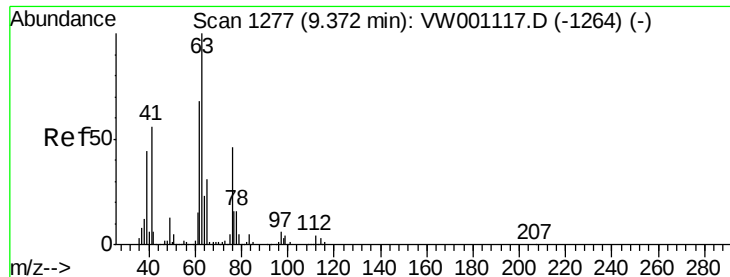
Tgt Ion: 130 Resp: 16315

Ion Ratio Lower Upper

130 100

95 100.9 0.0 189.0





#45

1,2-Dichloropropane

Concen: 5.18 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

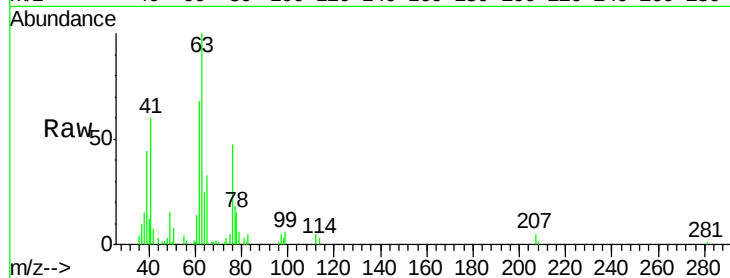
ClientSampleId :

Tgt Ion: 63 Resp: 11983

Ion Ratio Lower Upper

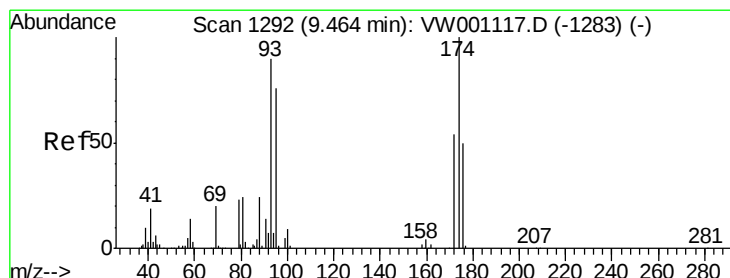
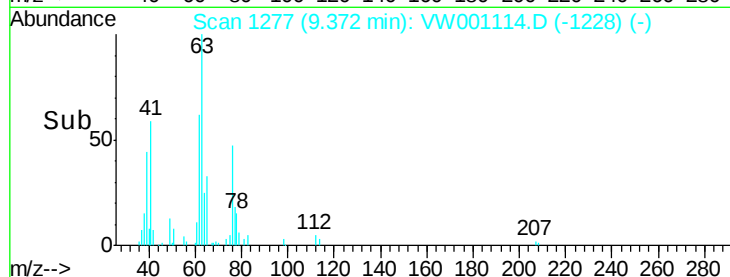
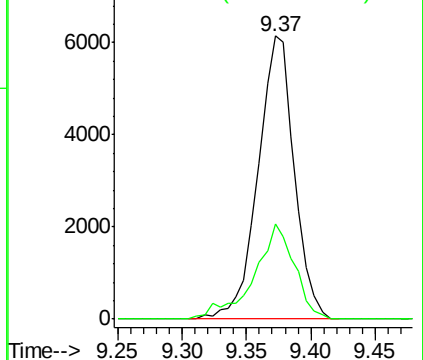
63 100

65 33.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 5.34 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

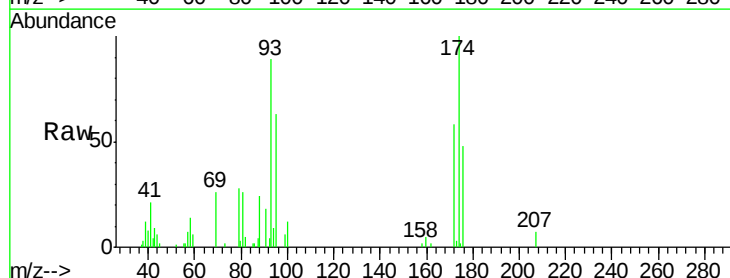
Tgt Ion: 93 Resp: 7738

Ion Ratio Lower Upper

93 100

95 78.6 66.5 99.7

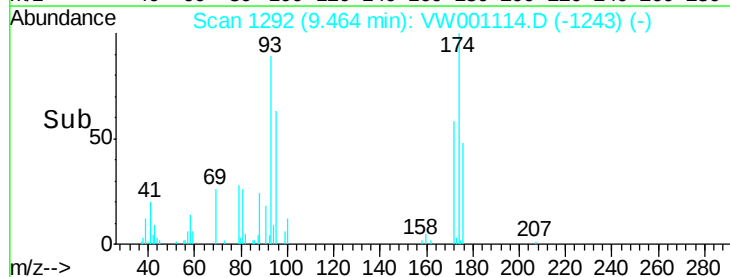
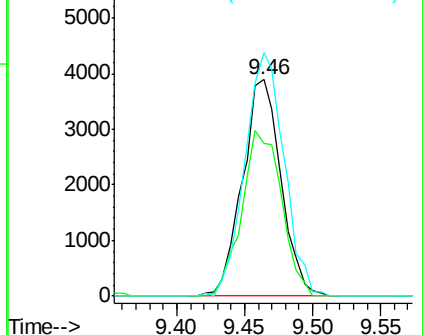
174 114.4 89.5 134.3

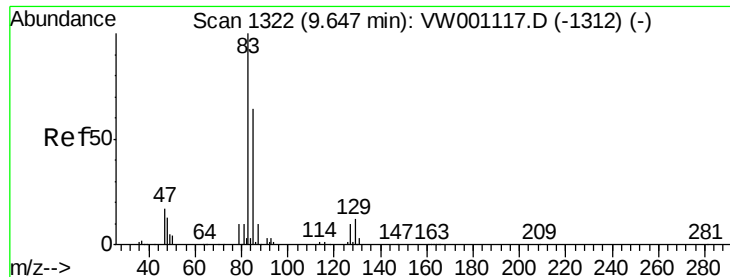


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

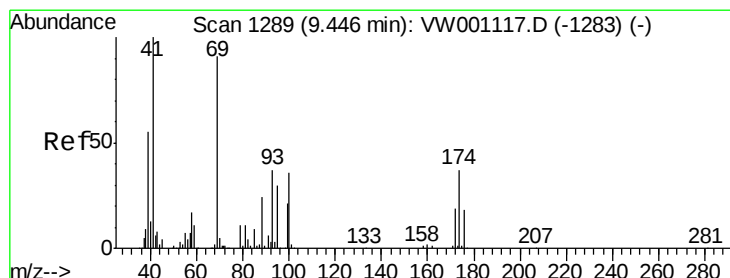
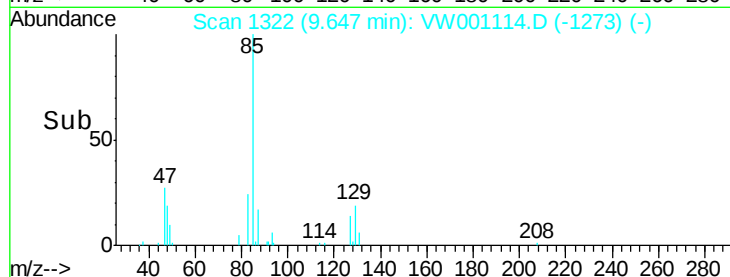
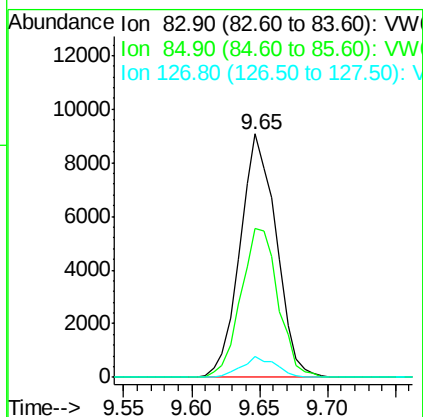
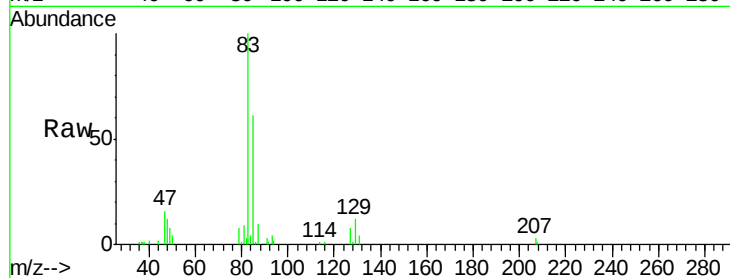




#47
Bromodichloromethane
Concen: 5.15 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

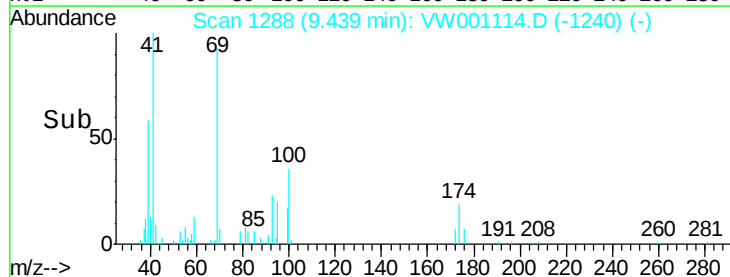
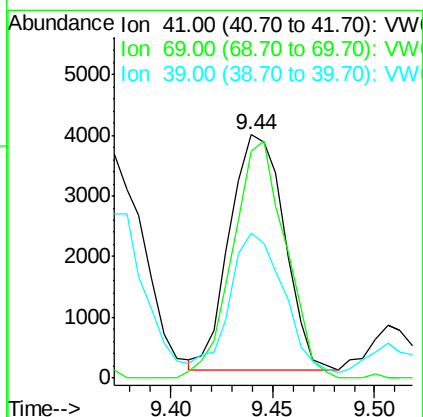
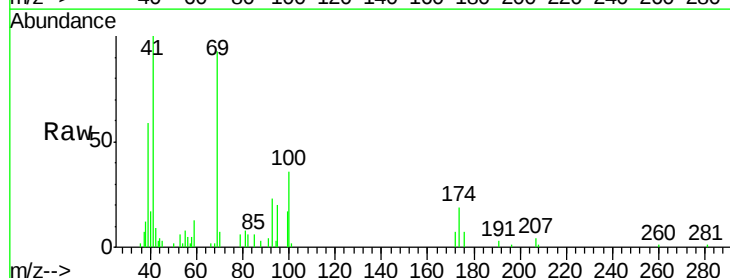
Instrument :
MSVOA_W
ClientSampleId :

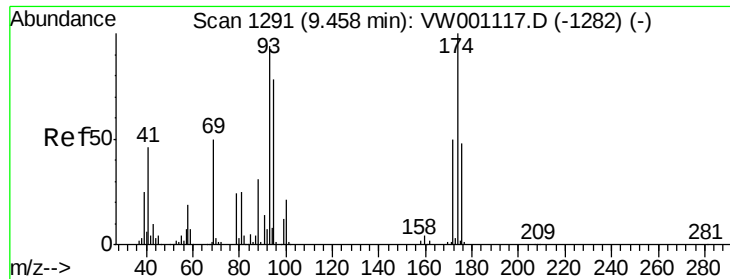
Tgt Ion: 83 Resp: 16878
Ion Ratio Lower Upper
83 100
85 61.1 51.5 77.3
127 8.4 7.6 11.4



#48
Methyl methacrylate
Concen: 4.75 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 41 Resp: 7178
Ion Ratio Lower Upper
41 100
69 98.0 74.9 112.3
39 63.7 47.6 71.4





#49

1,4-Dioxane

Concen: 95.58 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

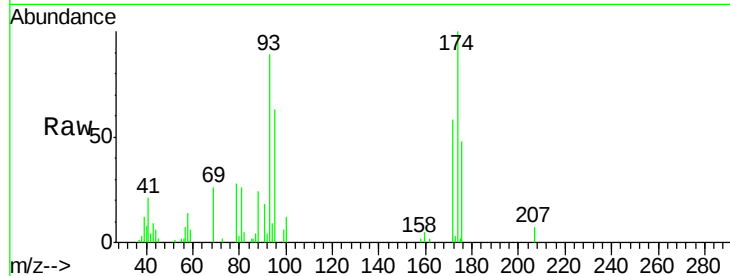
Tgt Ion: 88 Resp: 2466

Ion Ratio Lower Upper

88 100

43 0.0 23.0 34.6#

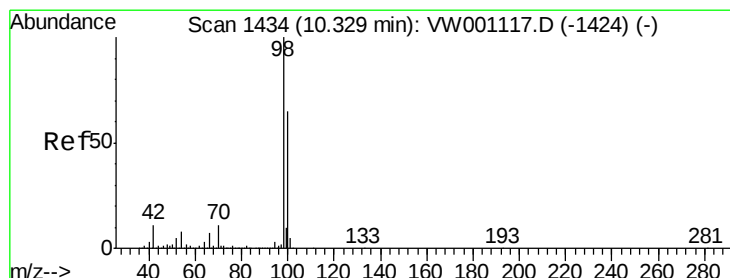
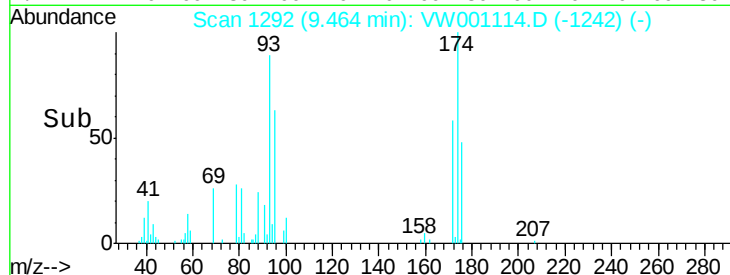
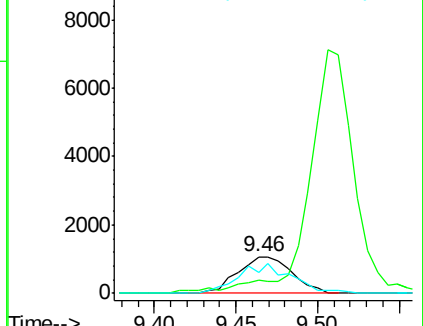
58 81.1 53.9 80.9#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 5.02 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW001114.D

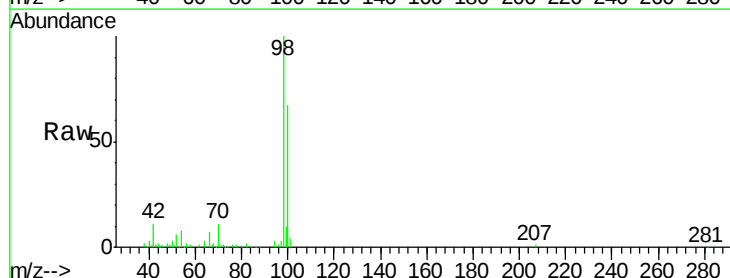
Acq: 29 Jan 2018 12:05

Tgt Ion: 98 Resp: 47547

Ion Ratio Lower Upper

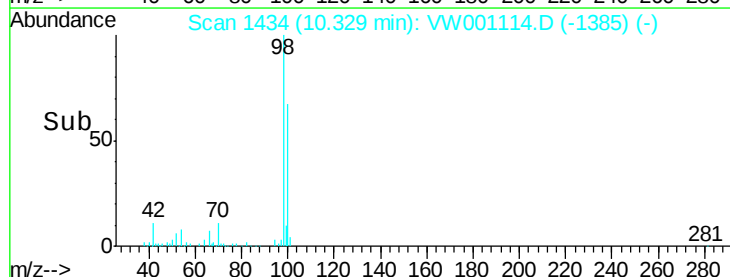
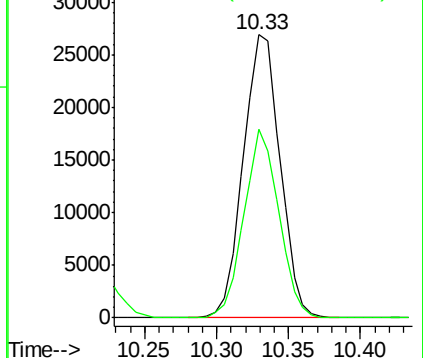
98 100

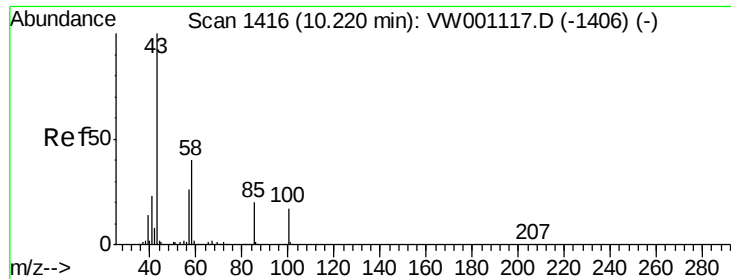
100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

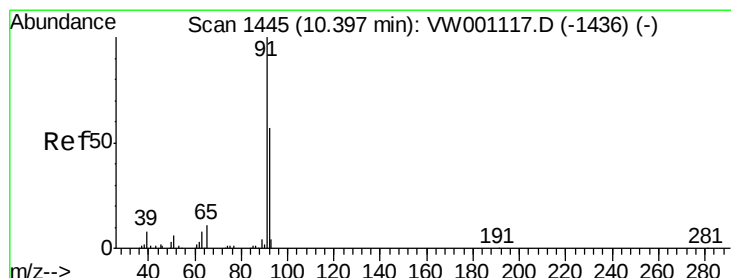
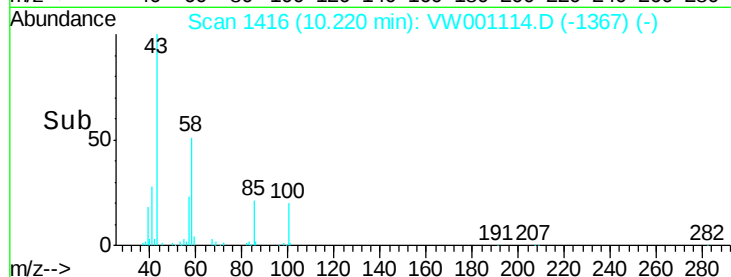
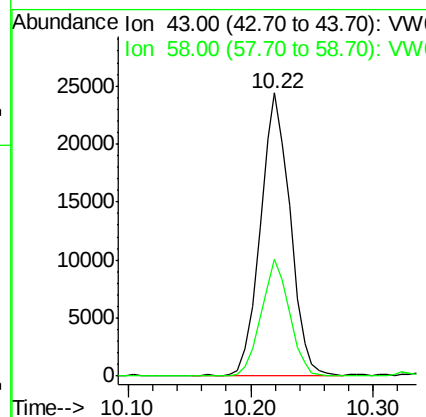
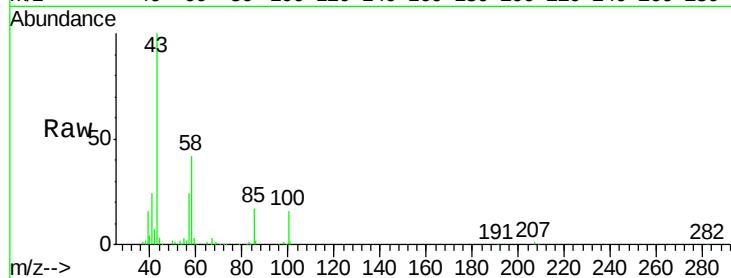




#51
 4-Methyl-2-Pentanone
 Concen: 23.99 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

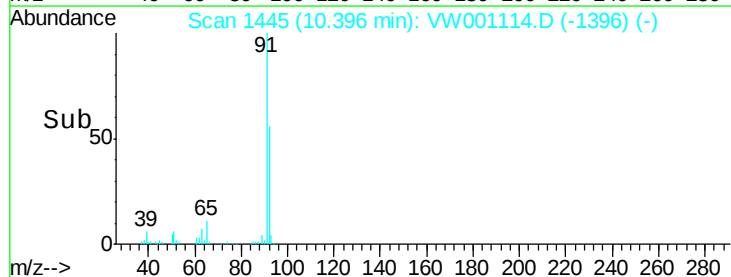
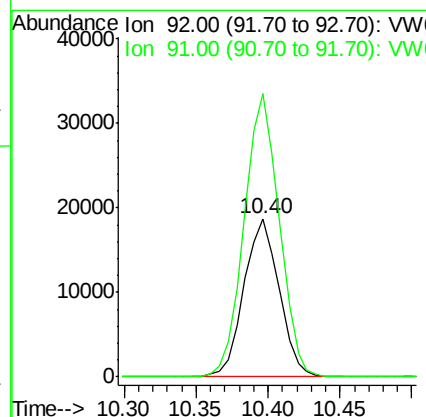
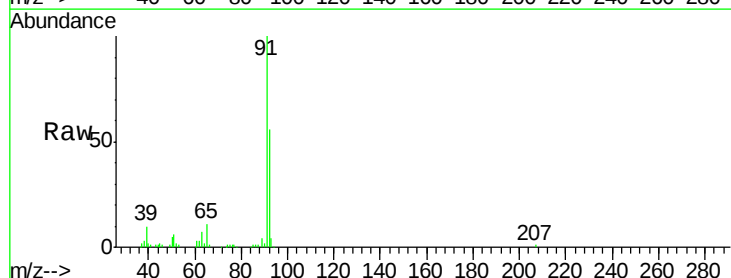
Instrument :
 MSVOA_W
 ClientSampled :

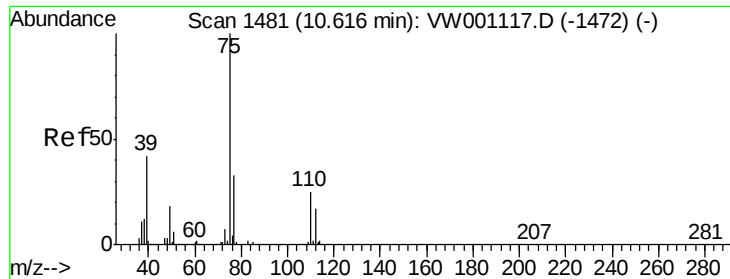
Tgt Ion: 43 Resp: 41407
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.1 48.1



#52
 Toluene
 Concen: 5.15 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 92 Resp: 31815
 Ion Ratio Lower Upper
 92 100
 91 177.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 4.82 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

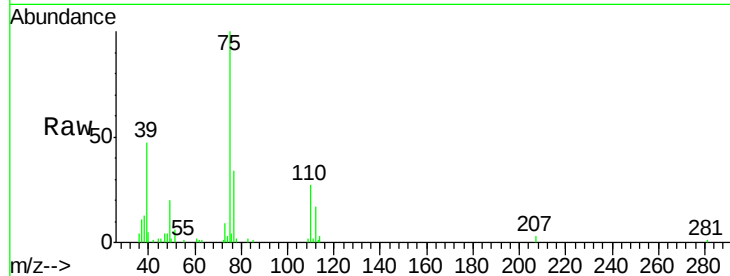
ClientSampled :

Tgt Ion: 75 Resp: 15939

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

10000

8000

6000

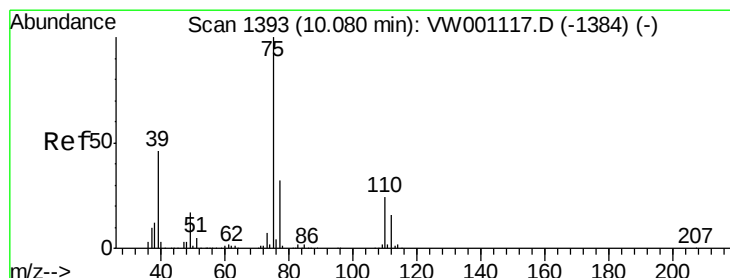
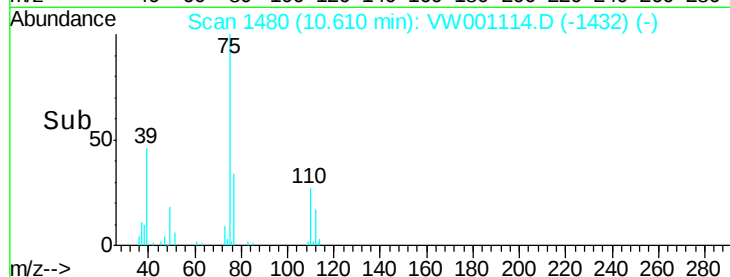
4000

2000

0

Time-->

10.55 10.60 10.65



#54

cis-1,3-Dichloropropene

Concen: 4.98 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

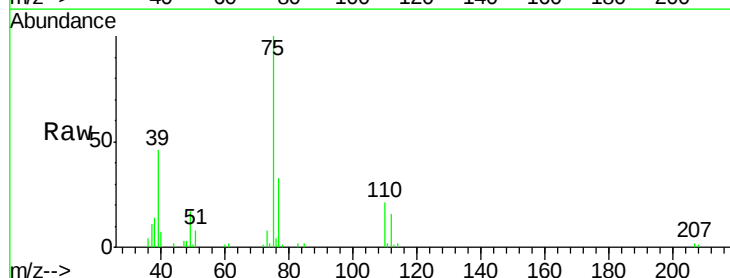
Tgt Ion: 75 Resp: 18385

Ion Ratio Lower Upper

75 100

77 33.3 25.5 38.3

39 45.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.08

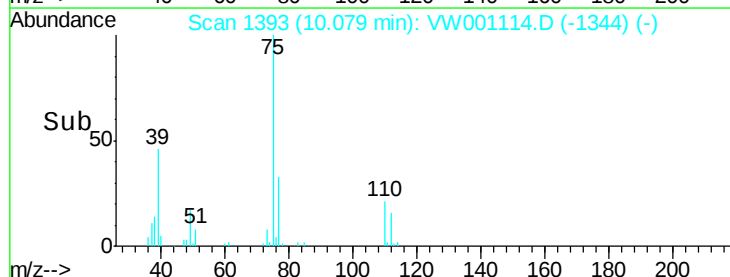
10000

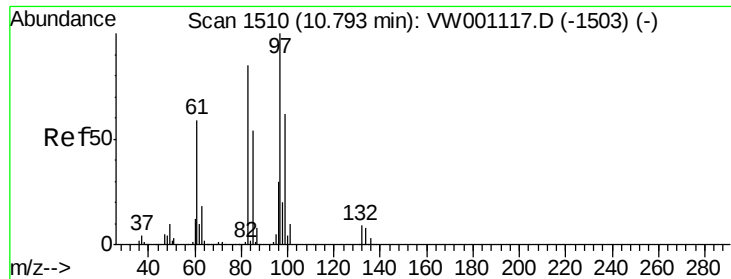
5000

0

Time-->

10.00 10.05 10.10 10.15

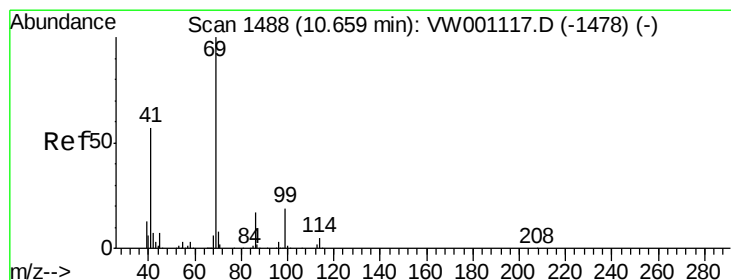
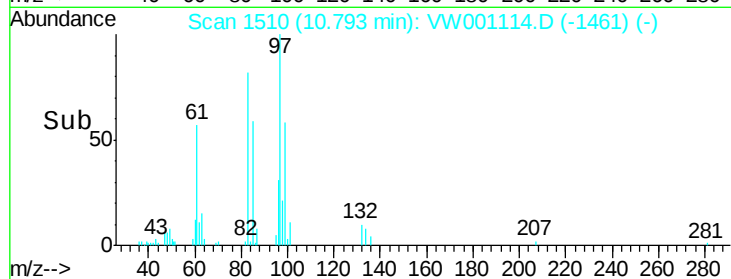
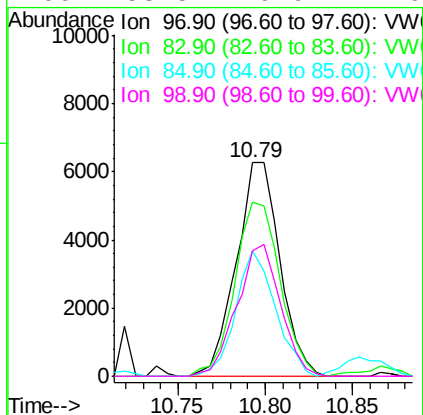
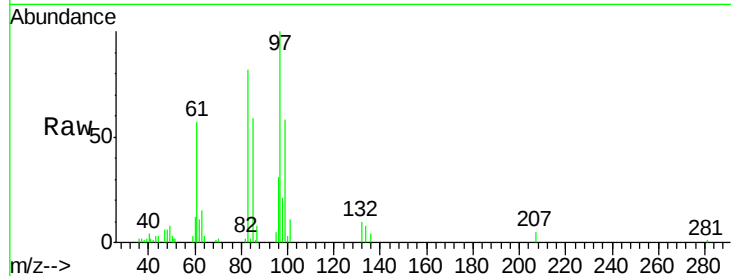




#55
 1,1,2-Trichloroethane
 Concen: 5.28 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

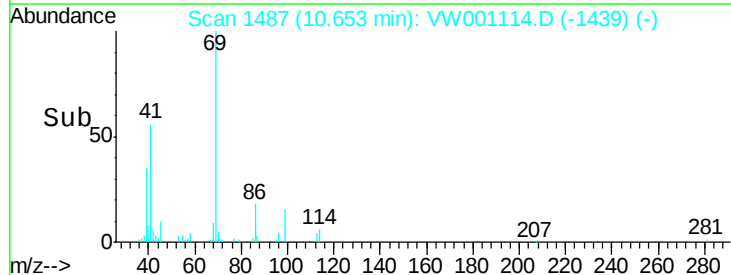
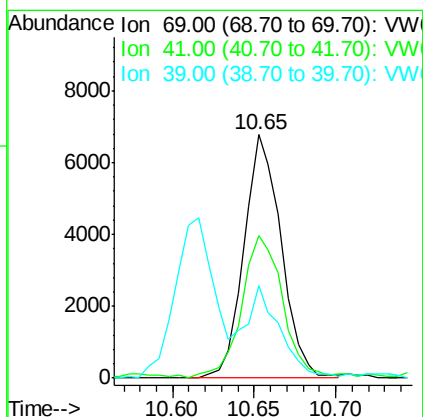
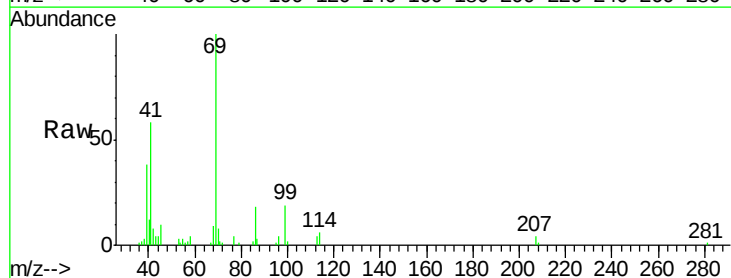
Instrument :
 MSVOA_W
 ClientSampleId :

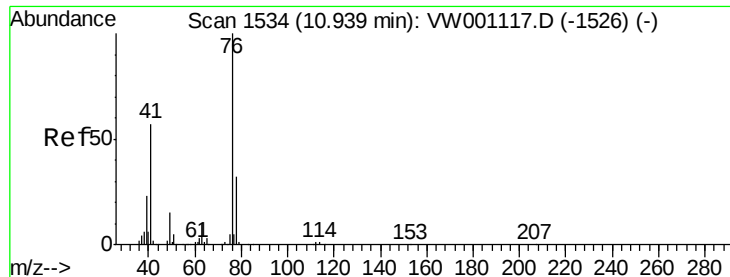
Tgt Ion:	97	Resp:	10900
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.7	101.5
85	58.7	43.0	64.6
99	58.5	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 4.44 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion:	69	Resp:	10736
Ion	Ratio	Lower	Upper
69	100		
41	65.2	50.6	75.8
39	36.0	27.5	41.3

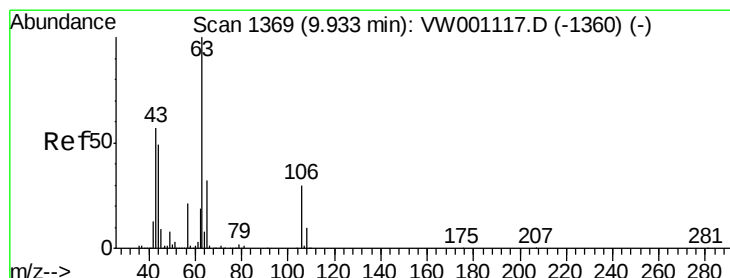
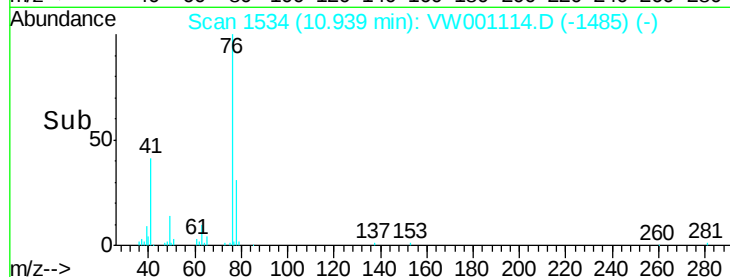
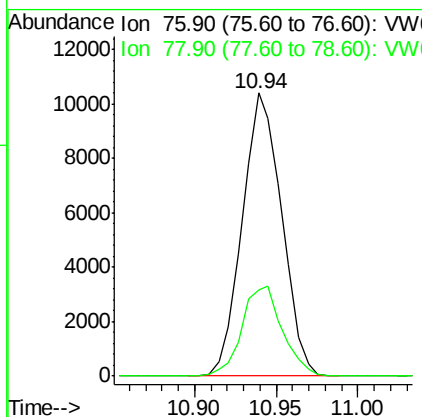
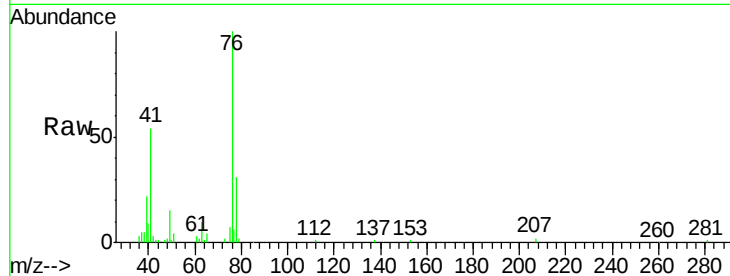




#57
 1,3-Dichloropropane
 Concen: 5.21 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

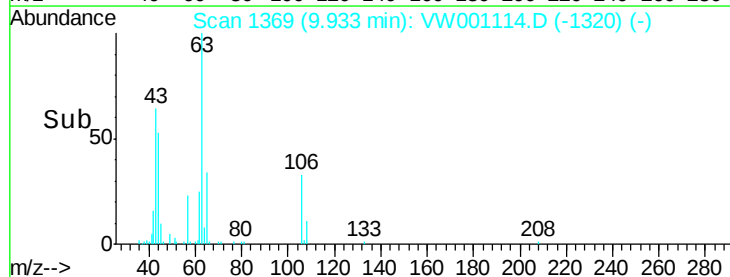
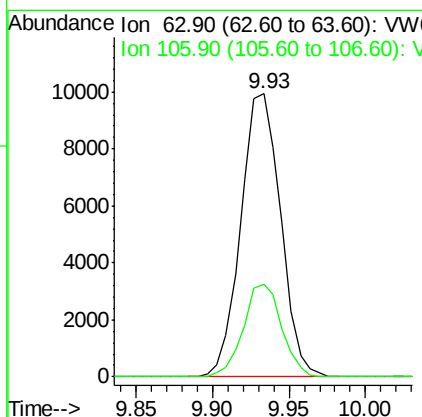
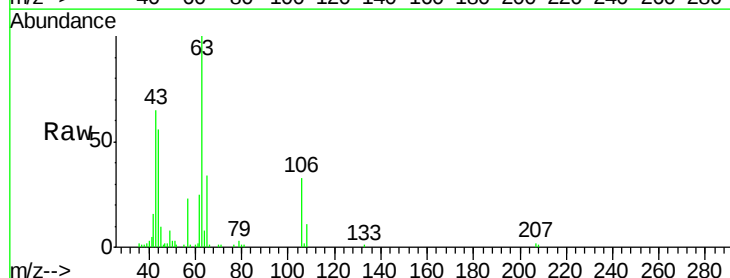
Instrument :
 MSVOA_W
 ClientSampled :

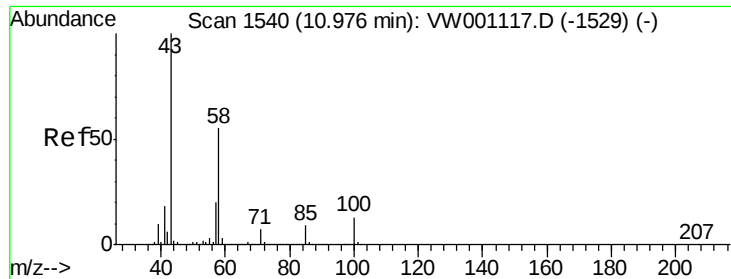
Tgt Ion: 76 Resp: 17467
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 33.54 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 63 Resp: 17980
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.2 36.4

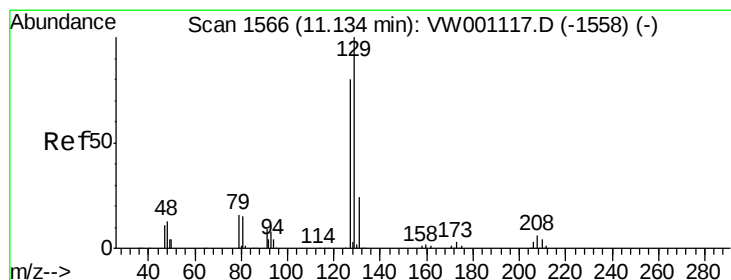
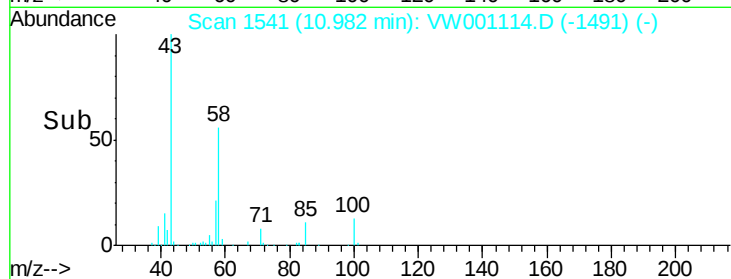
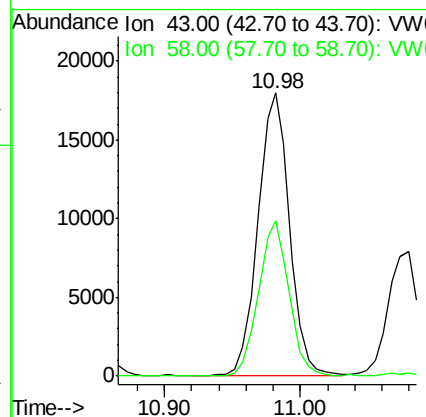
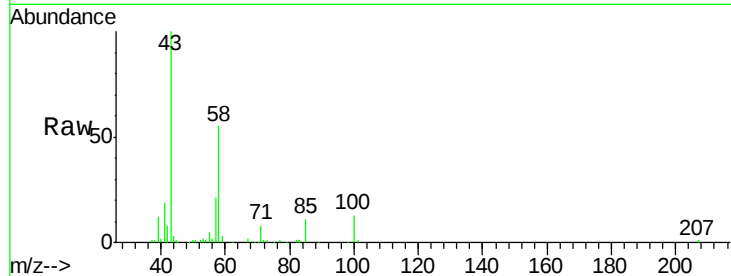




#59
2-Hexanone
Concen: 22.37 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

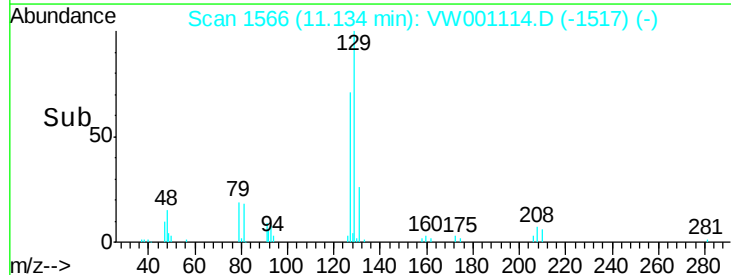
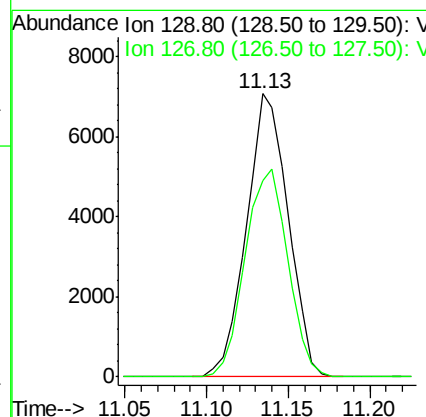
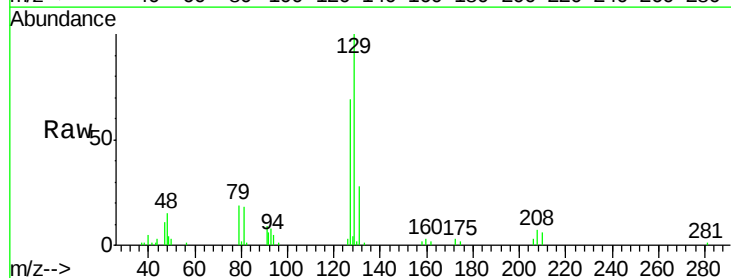
Instrument :
MSVOA_W
ClientSampleId :

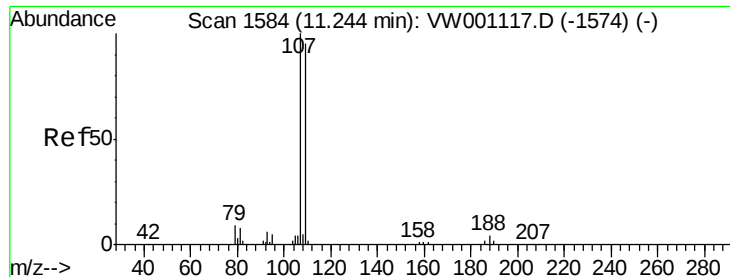
Tgt Ion: 43 Resp: 29206
Ion Ratio Lower Upper
43 100
58 52.9 27.7 83.0



#60
Dibromochloromethane
Concen: 5.00 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 129 Resp: 12582
Ion Ratio Lower Upper
129 100
127 75.2 38.5 115.5

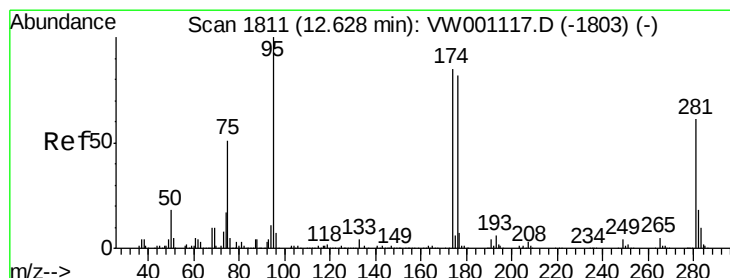
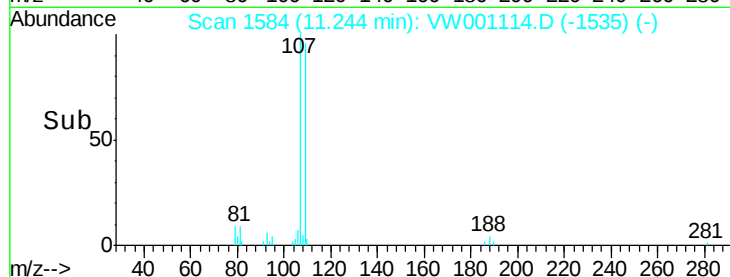
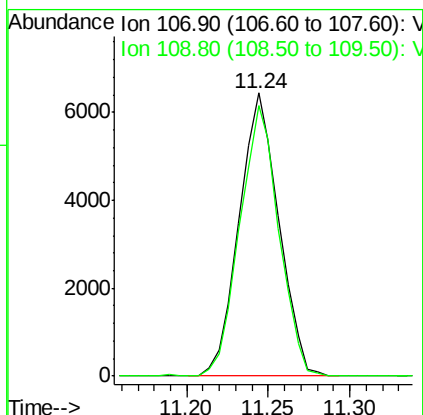
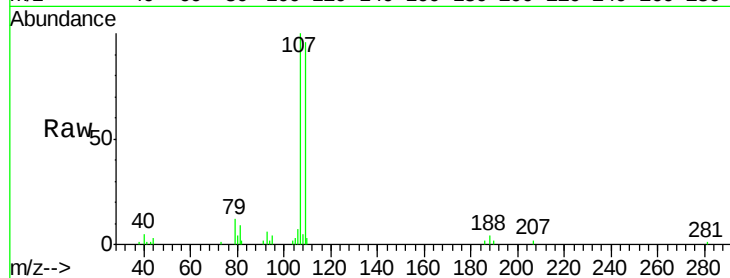




#61
 1,2-Dibromoethane
 Concen: 5.25 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

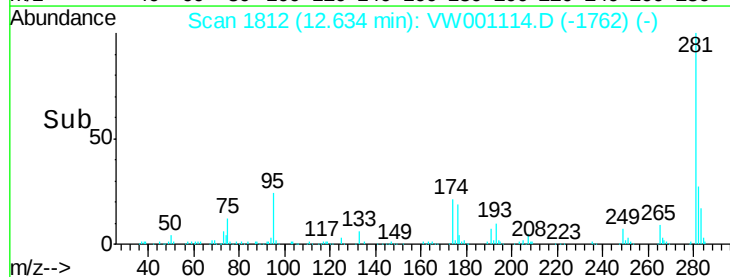
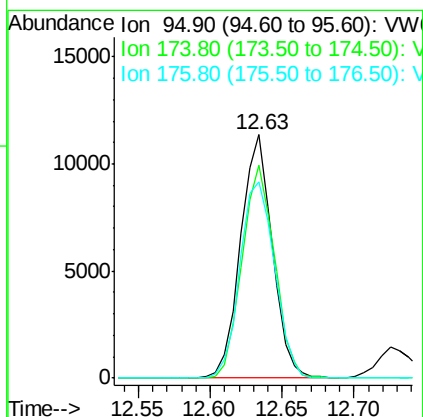
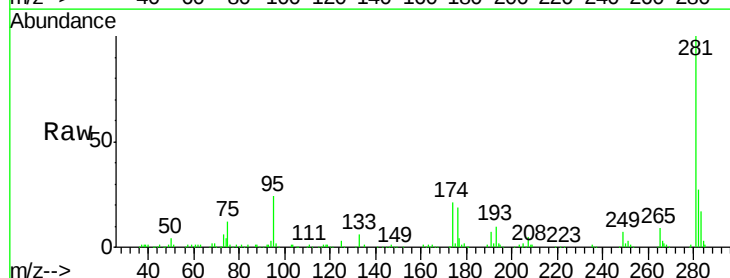
Instrument :
 MSVOA_W
 ClientSampleId :

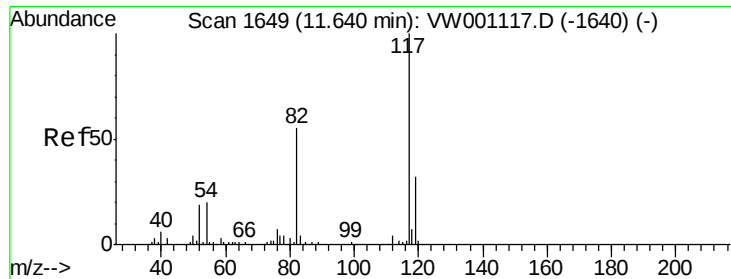
Tgt Ion: 107 Resp: 10922
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 4.98 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 95 Resp: 17362
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 179.6
 176 88.0 0.0 174.4

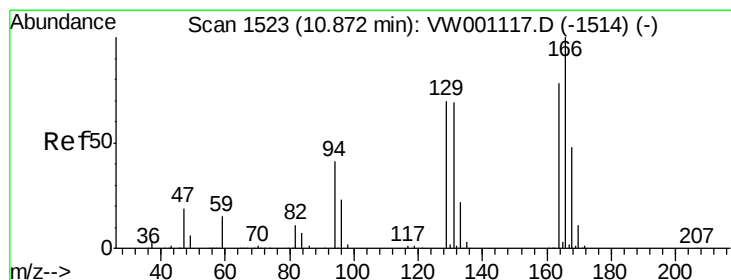
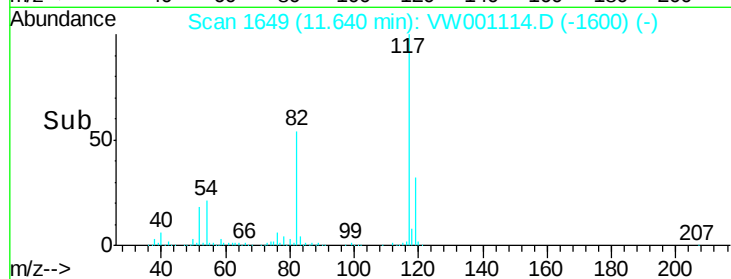
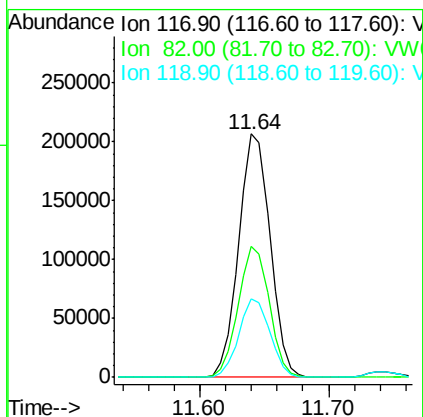
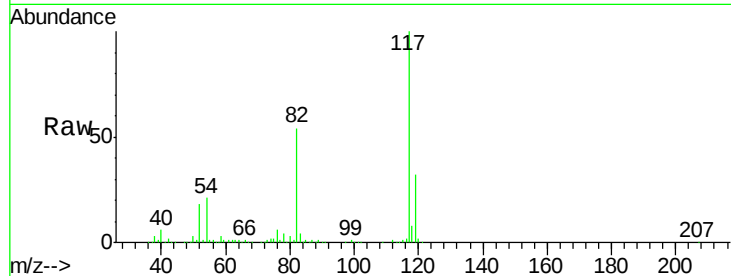




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

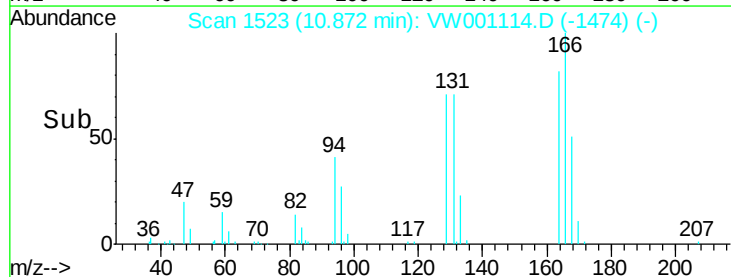
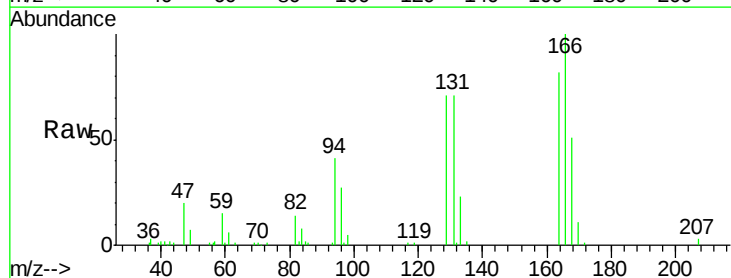
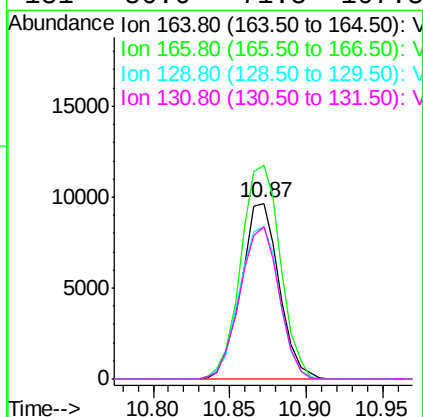
Instrument :
MSVOA_W
ClientSampleId :

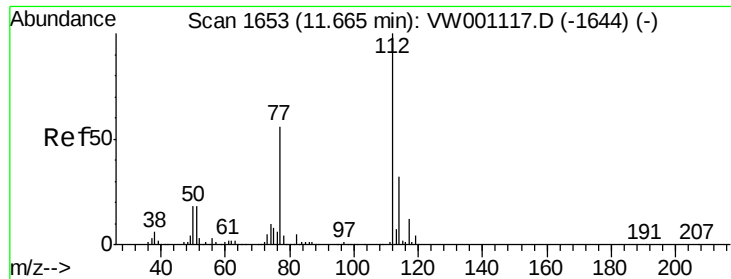
Tgt Ion:117 Resp: 349405
Ion Ratio Lower Upper
117 100
82 53.7 43.8 65.8
119 32.0 25.8 38.8



#64
Tetrachloroethene
Concen: 5.93 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:164 Resp: 16648
Ion Ratio Lower Upper
164 100
166 121.5 103.1 154.7
129 86.7 72.3 108.5
131 86.6 71.5 107.3

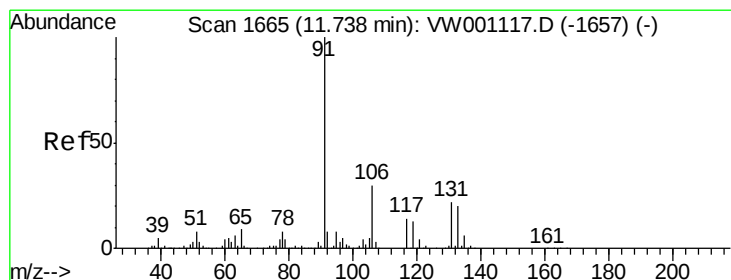
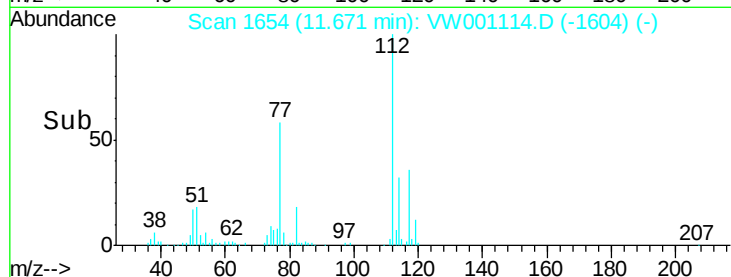
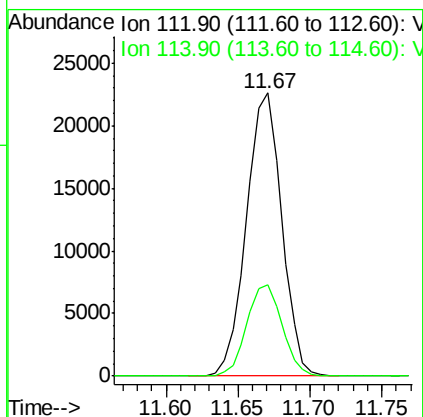
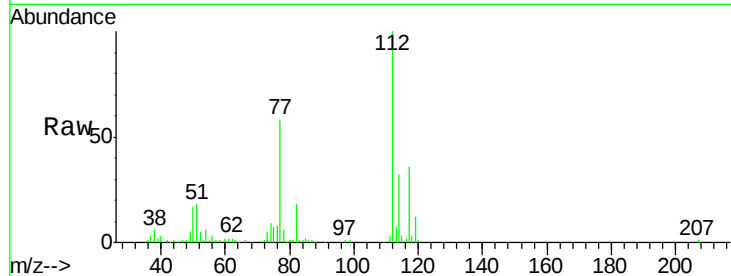




#65
Chlorobenzene
Concen: 5.44 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

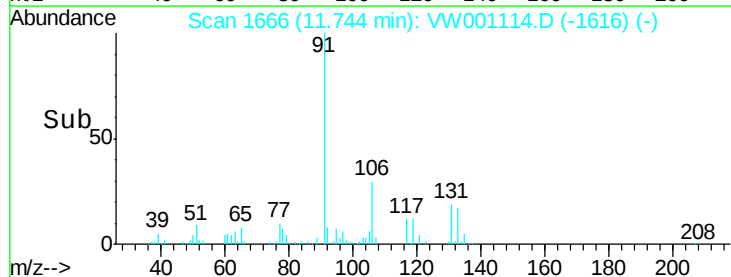
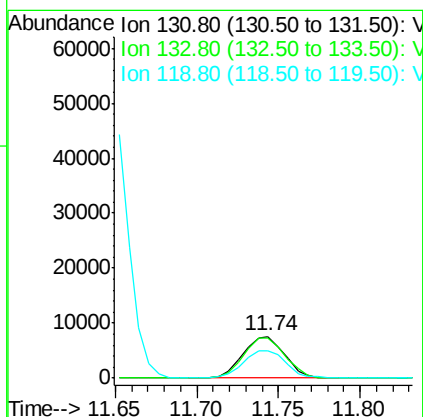
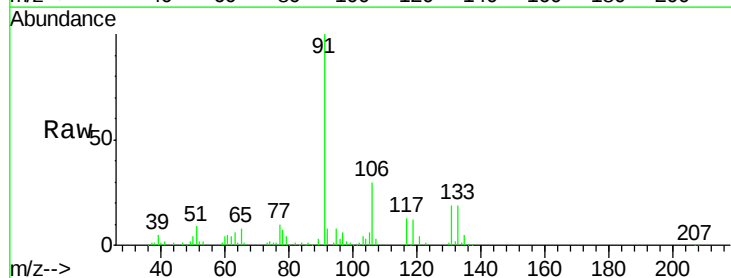
Instrument :
MSVOA_W
ClientSampled :

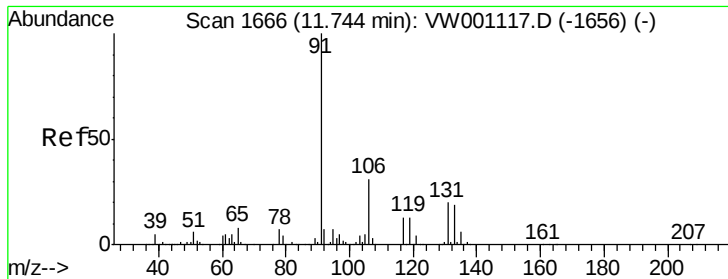
Tgt Ion:112 Resp: 38327
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 5.26 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:131 Resp: 13529
Ion Ratio Lower Upper
131 100
133 97.2 47.3 141.8
119 65.6 31.5 94.5

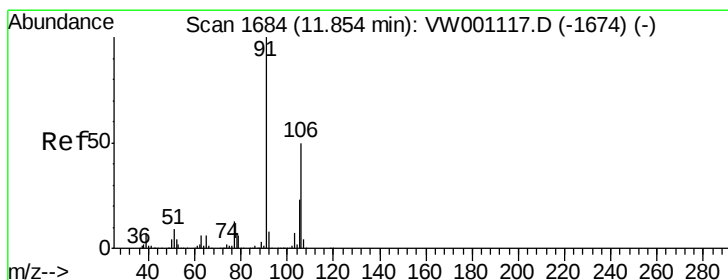
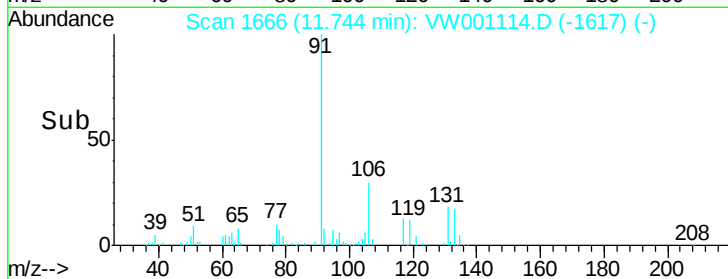
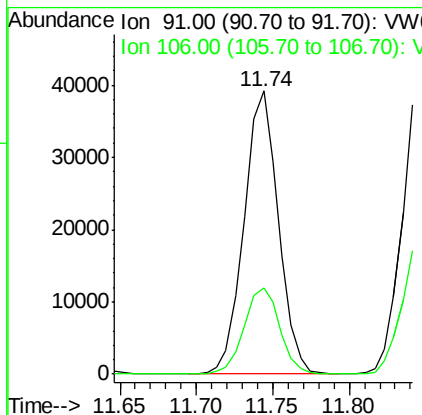
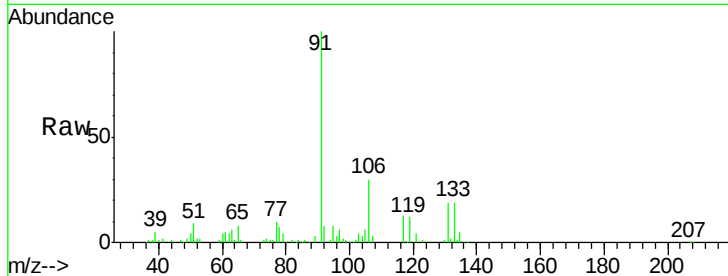




#67
Ethyl Benzene
Concen: 5.20 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

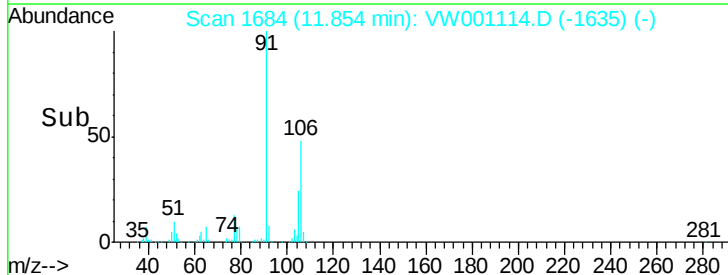
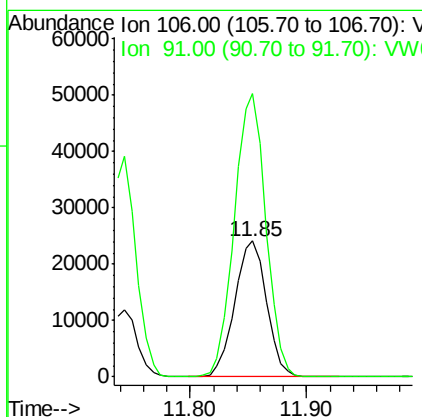
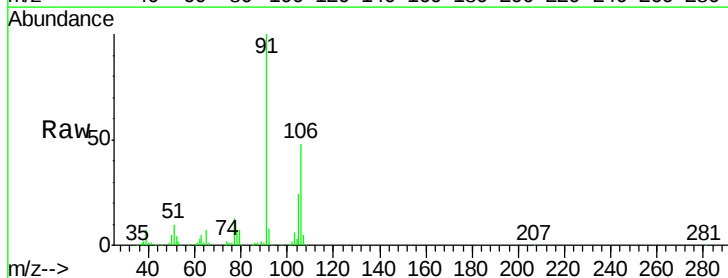
Instrument :
MSVOA_W
ClientSampled :

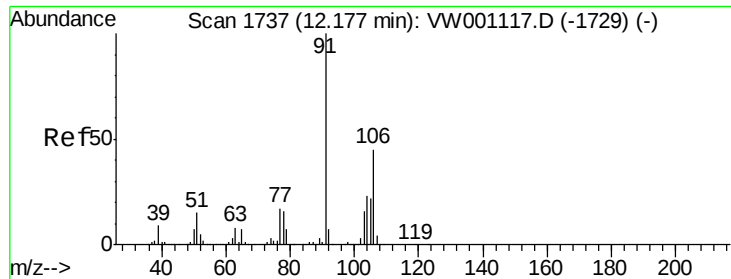
Tgt Ion: 91 Resp: 61220
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 10.05 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 106 Resp: 46080
Ion Ratio Lower Upper
106 100
91 206.1 163.1 244.7

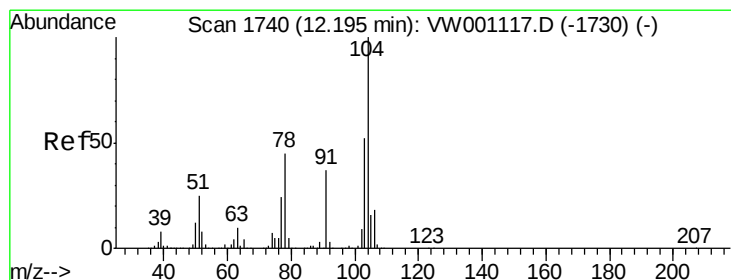
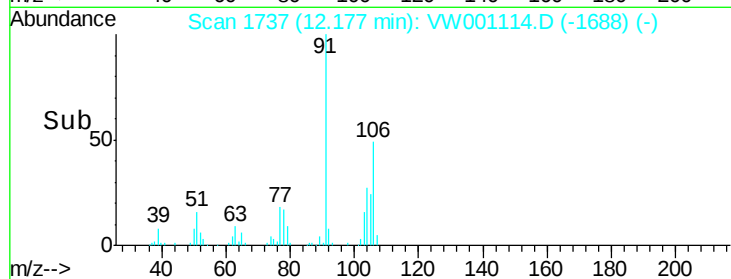
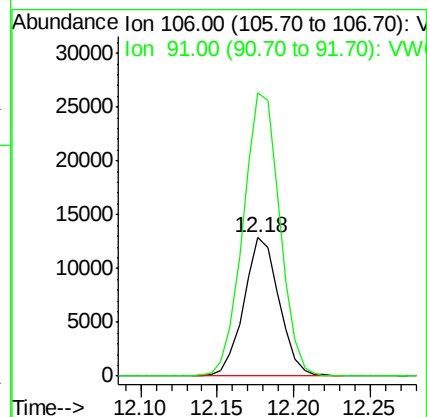
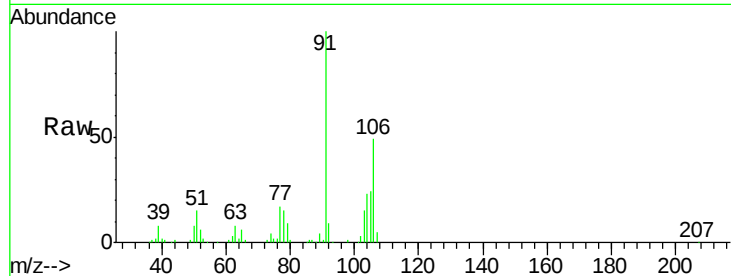




#69
o-Xylene
Concen: 4.88 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

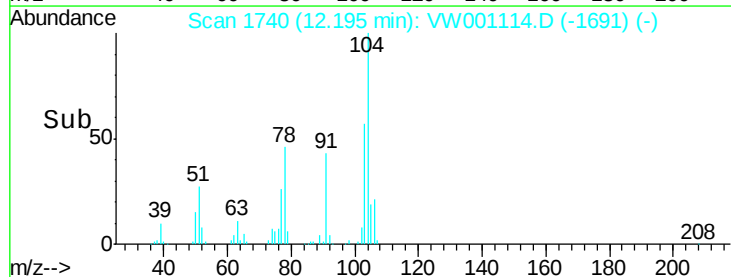
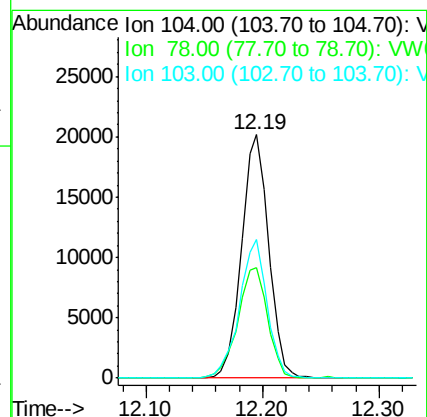
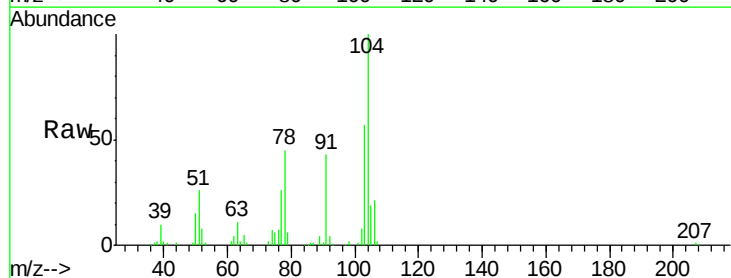
Instrument :
MSVOA_W
ClientSampled :

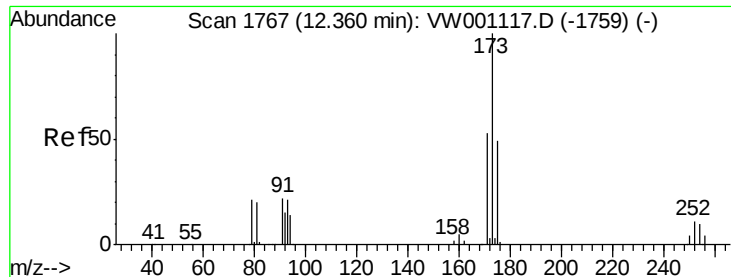
Tgt Ion:106 Resp: 20633
Ion Ratio Lower Upper
106 100
91 212.5 107.6 322.8



#70
Styrene
Concen: 4.73 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:104 Resp: 32829
Ion Ratio Lower Upper
104 100
78 50.1 39.9 59.9
103 58.1 44.7 67.1





#71

Bromoform

Concen: 5.08 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

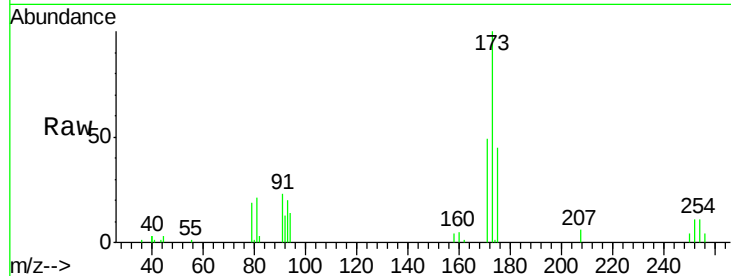
Tgt Ion:173 Resp: 8451

Ion Ratio Lower Upper

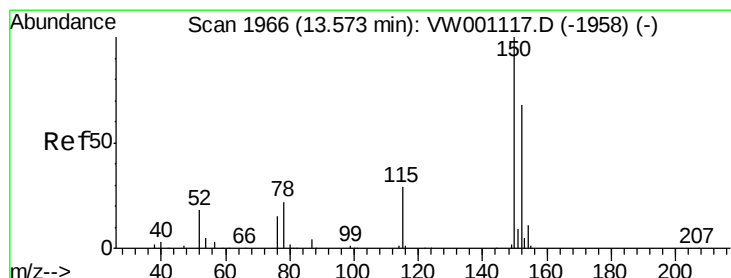
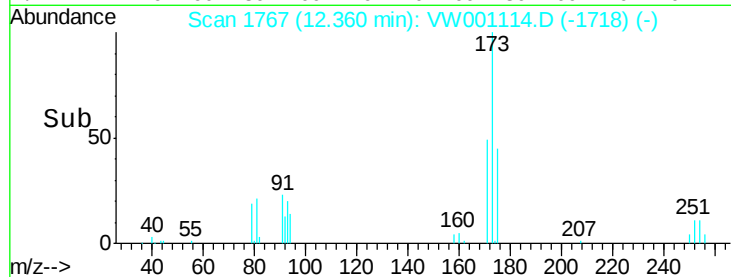
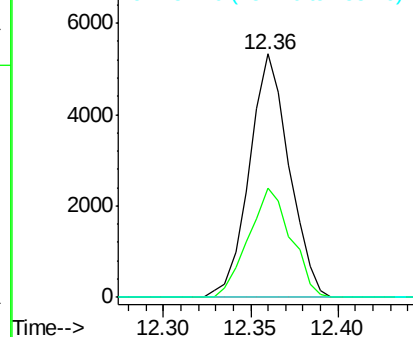
173 100

175 47.7 24.9 74.6

254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

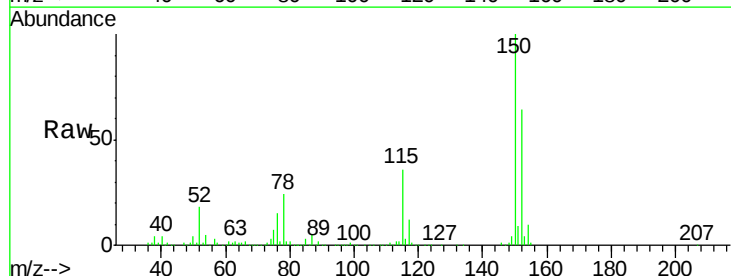
Tgt Ion:152 Resp: 187718

Ion Ratio Lower Upper

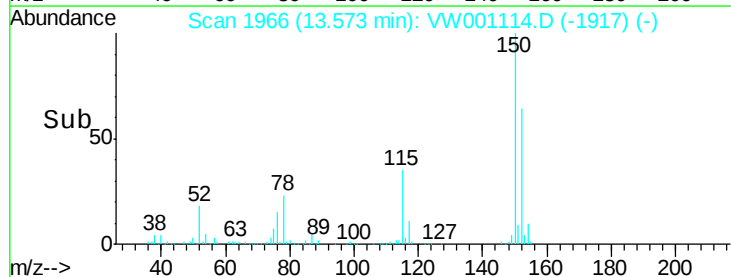
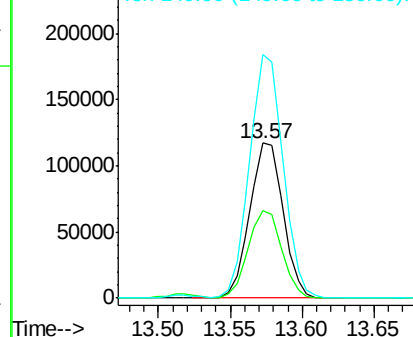
152 100

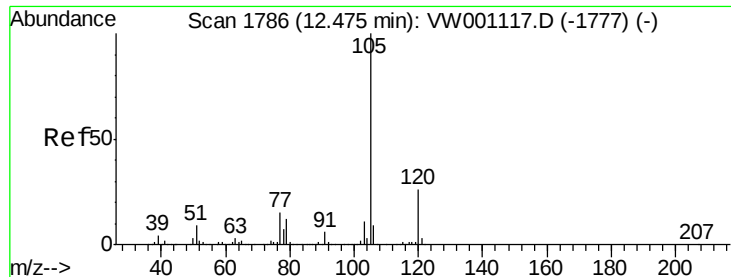
115 56.9 28.4 85.3

150 158.3 0.0 342.4



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: 4.98 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

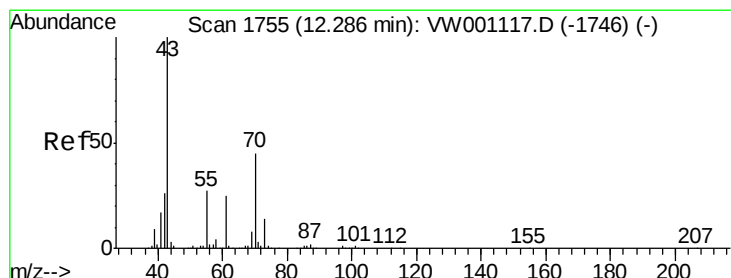
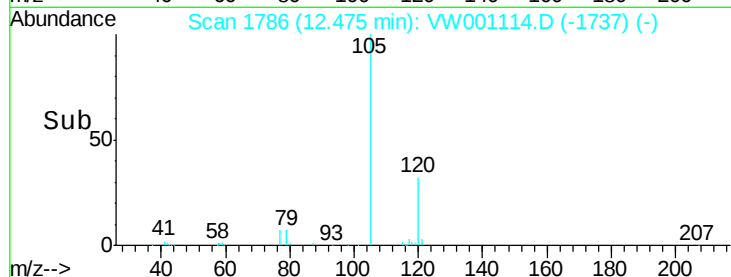
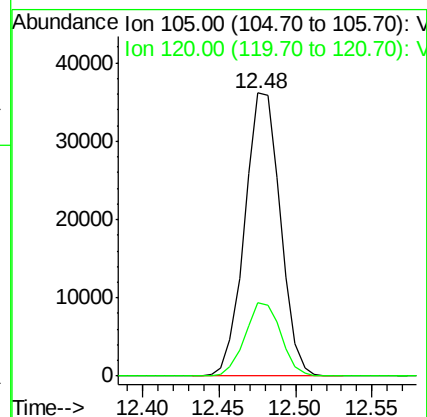
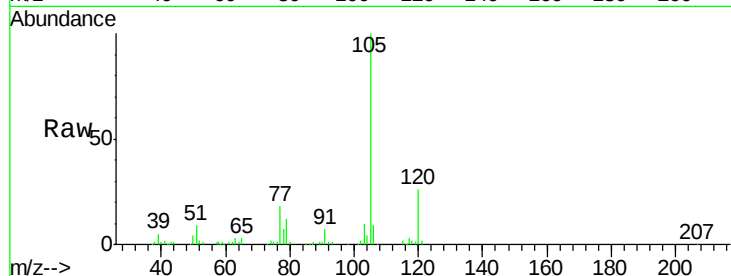
ClientSampleId :

Tgt Ion:105 Resp: 58533

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#74

N-ethyl acetate

Concen: 4.52 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion: 43 Resp: 12138

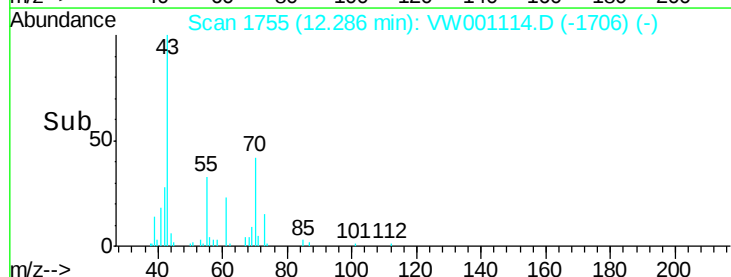
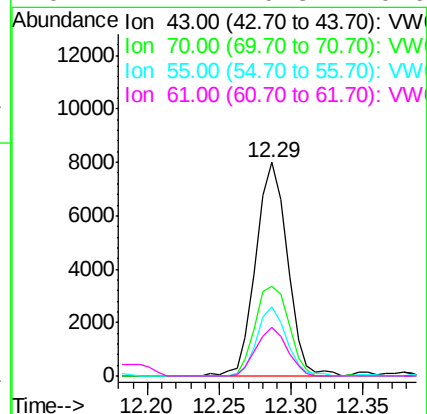
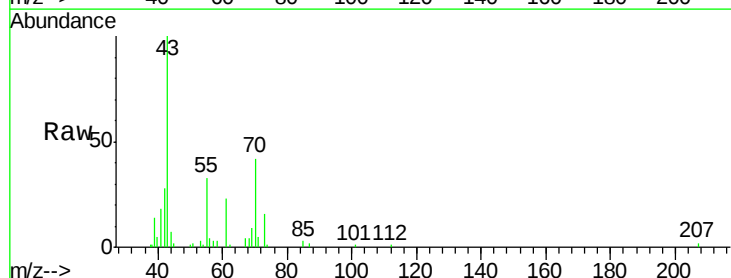
Ion Ratio Lower Upper

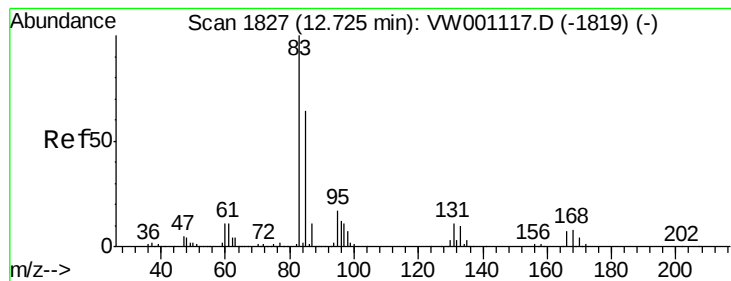
43 100

70 44.6 36.0 54.0

55 30.5 21.7 32.5

61 22.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.39 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

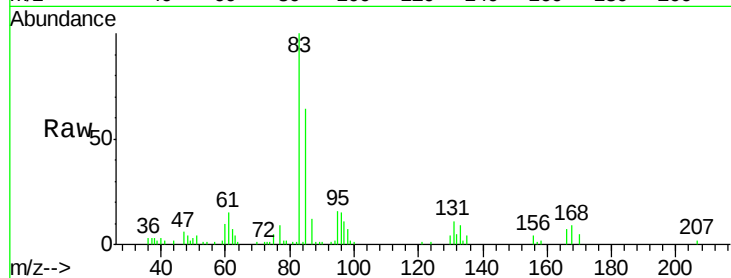
Tgt Ion: 83 Resp: 12972

Ion Ratio Lower Upper

83 100

131 12.3 5.8 17.4

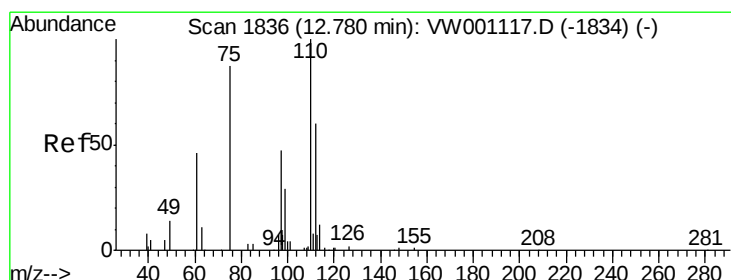
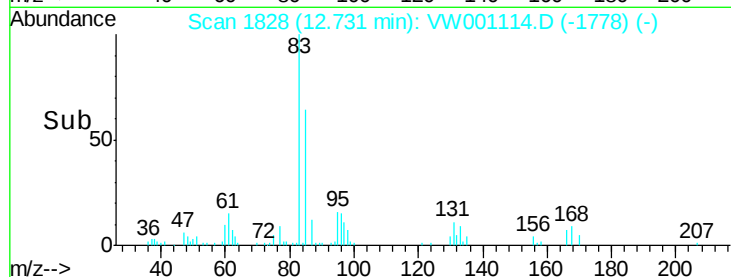
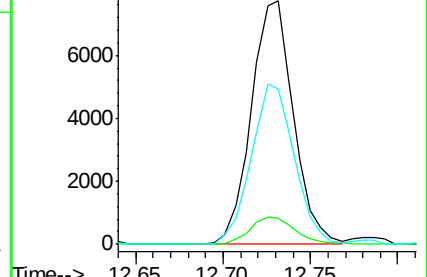
85 67.0 32.3 96.9



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: 7.59 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VW001114.D

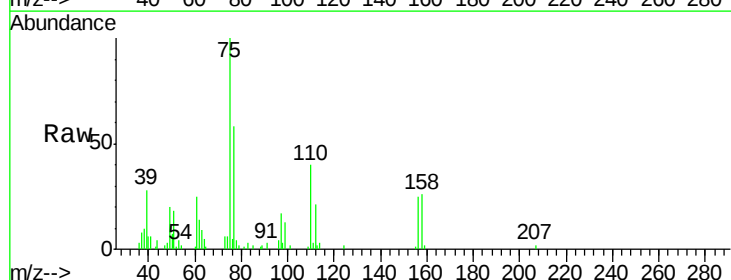
Acq: 29 Jan 2018 12:05

Tgt Ion: 75 Resp: 17367

Ion Ratio Lower Upper

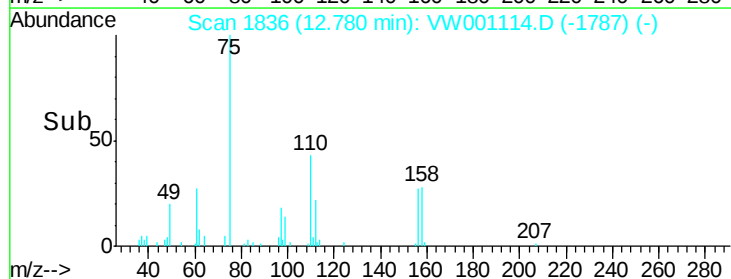
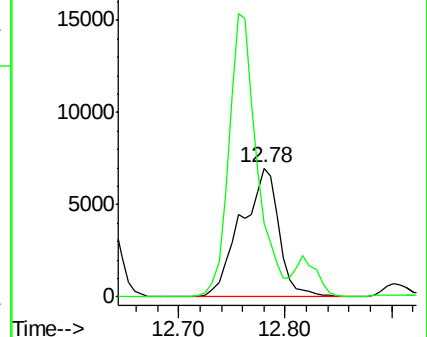
75 100

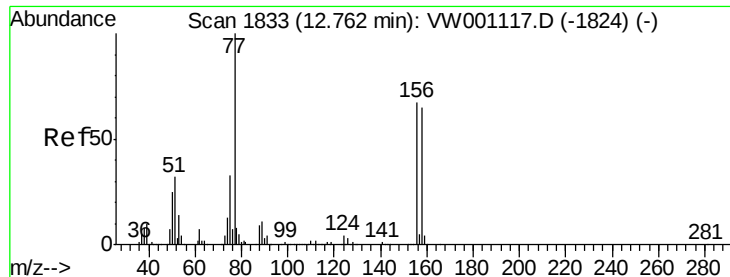
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.43 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

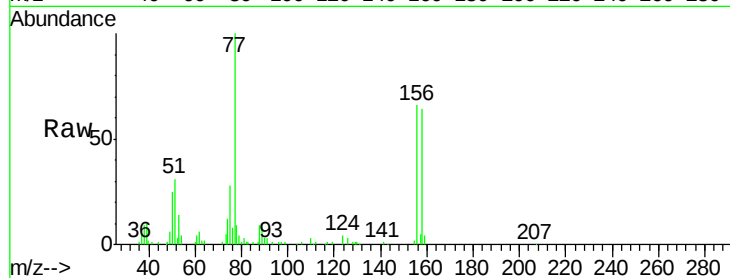
Tgt Ion: 156 Resp: 16577

Ion Ratio Lower Upper

156 100

77 170.4 85.3 255.8

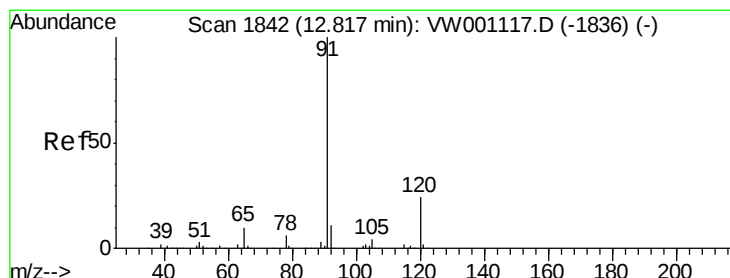
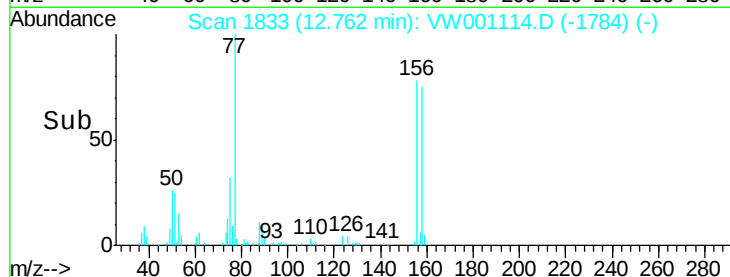
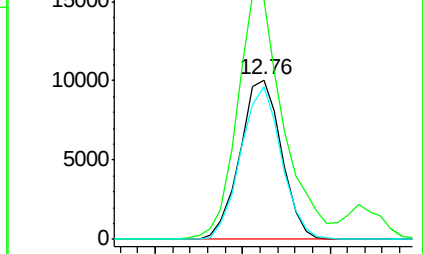
158 94.1 48.9 146.7



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: 5.04 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW001114.D

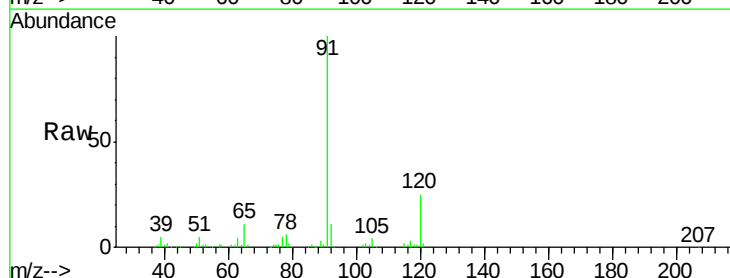
Acq: 29 Jan 2018 12:05

Tgt Ion: 91 Resp: 70906

Ion Ratio Lower Upper

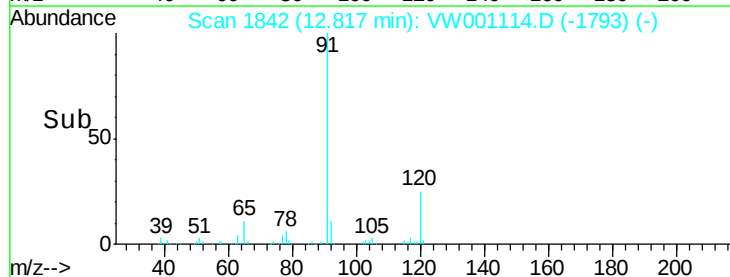
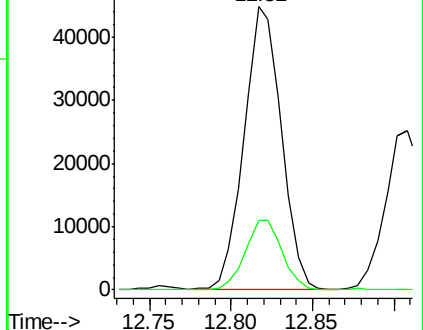
91 100

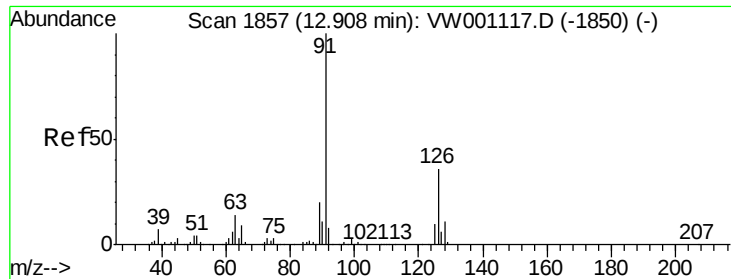
120 24.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.14 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

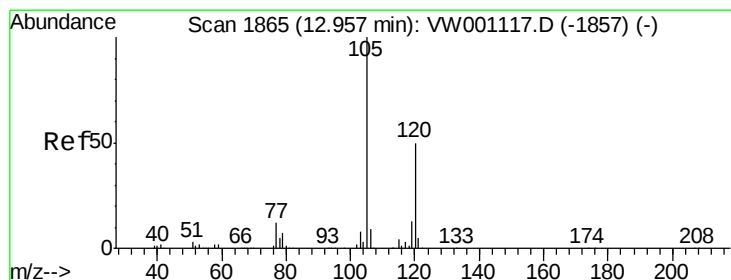
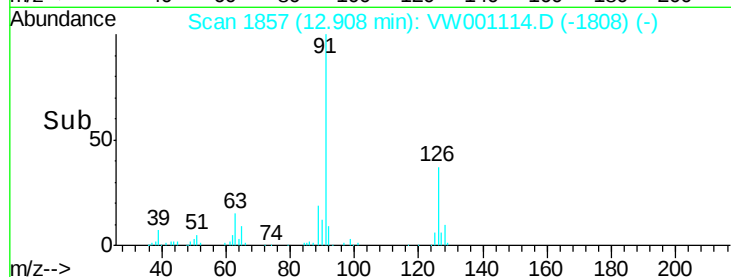
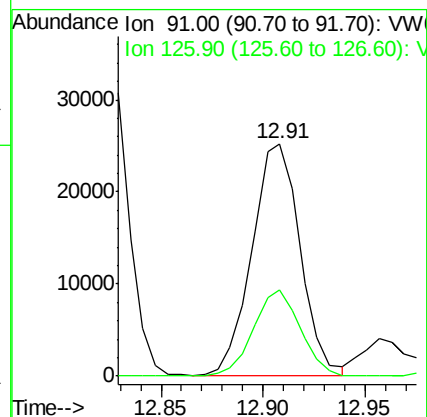
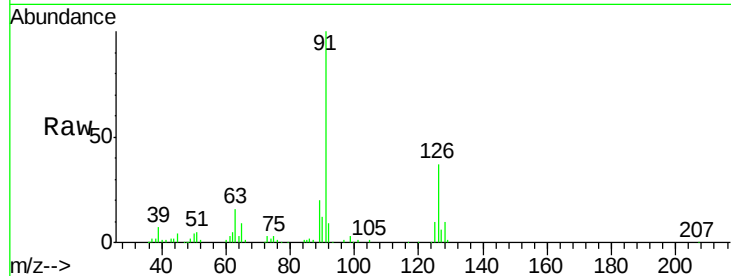
ClientSampled :

Tgt Ion: 91 Resp: 41371

Ion Ratio Lower Upper

91 100

126 36.0 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 4.89 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW001114.D

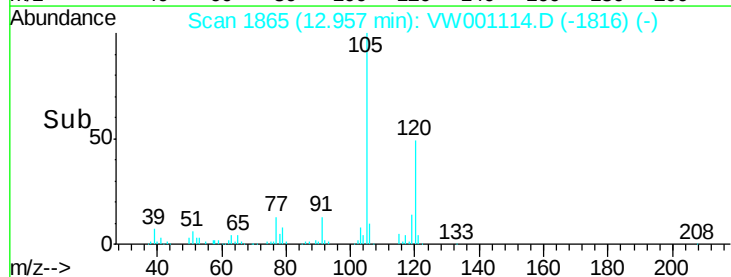
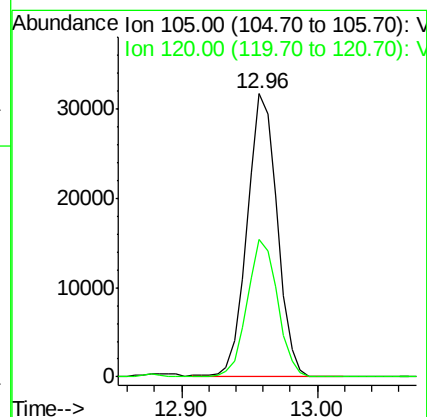
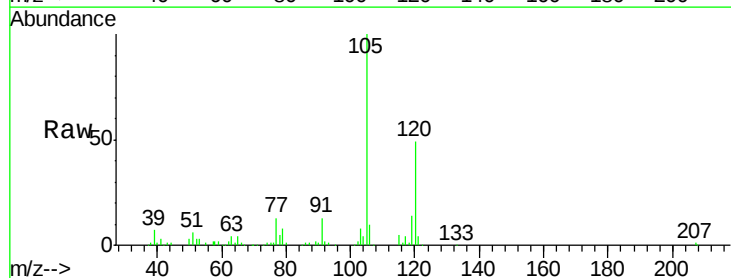
Acq: 29 Jan 2018 12:05

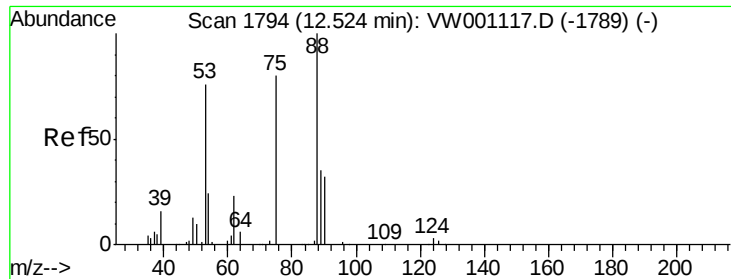
Tgt Ion: 105 Resp: 49183

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.7

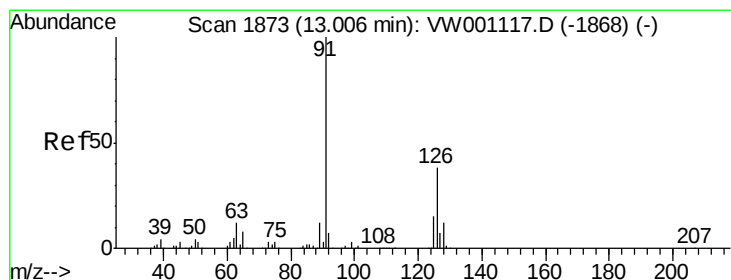
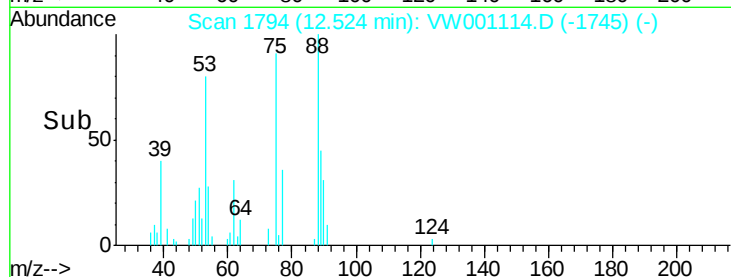
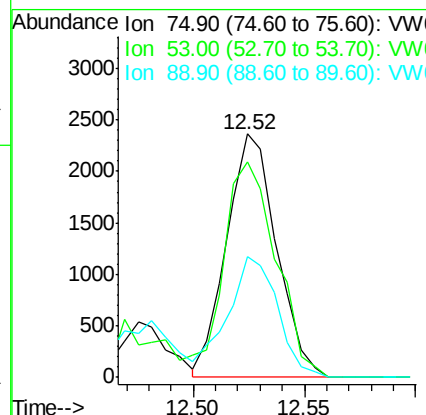
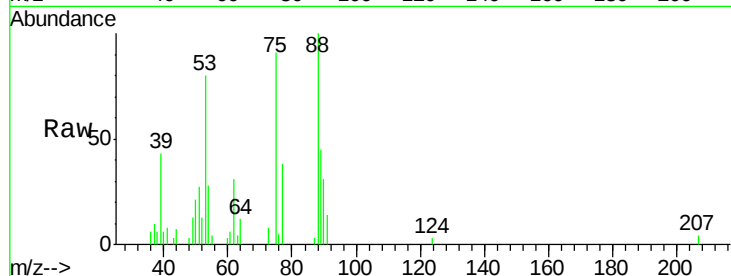




#81
trans-1,4-Dichloro-2-butene
Concen: 5.10 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

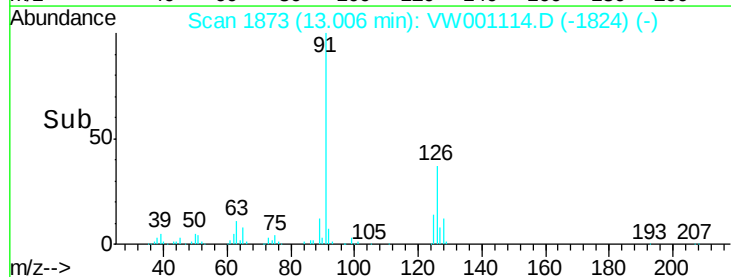
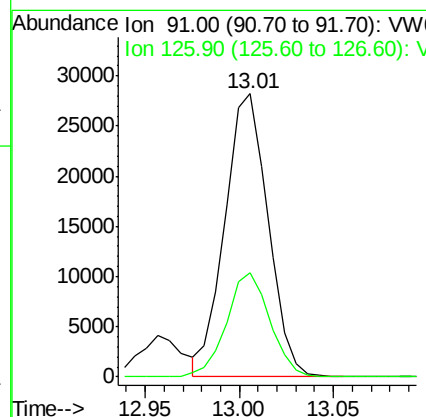
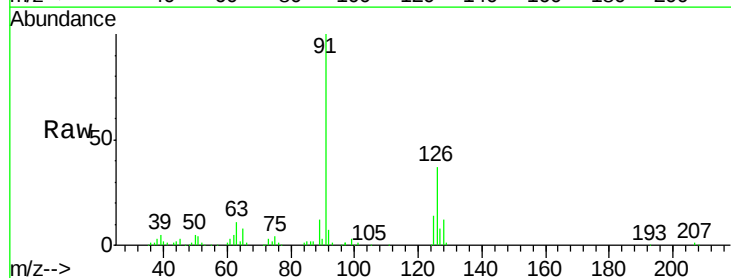
Instrument :
MSVOA_W
ClientSampled :

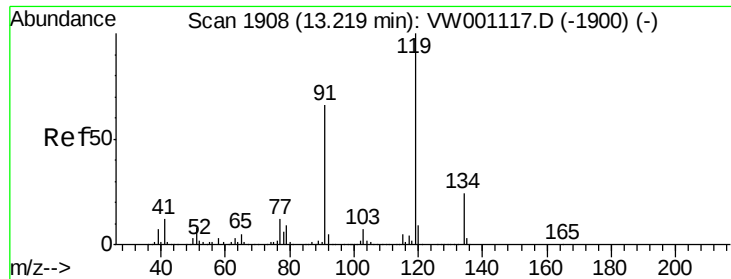
Tgt Ion: 75 Resp: 3691
Ion Ratio Lower Upper
75 100
53 93.7 75.0 112.6
89 49.8 38.2 57.4



#82
4-Chlorotoluene
Concen: 5.22 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 91 Resp: 44870
Ion Ratio Lower Upper
91 100
126 36.7 17.8 53.4

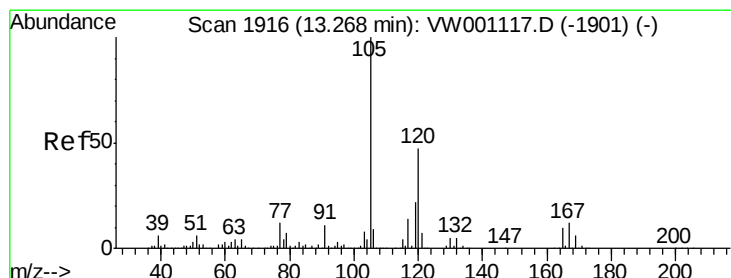
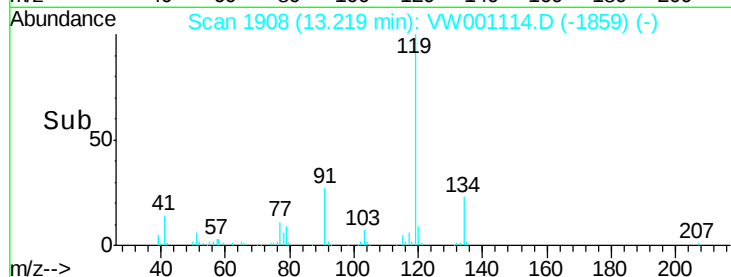
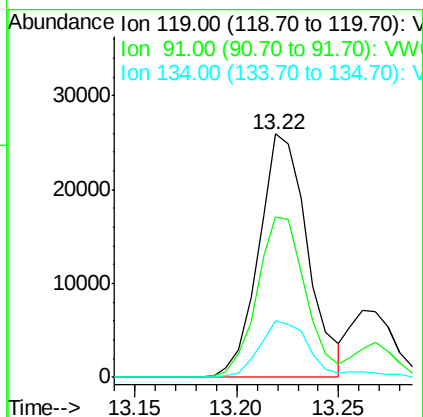
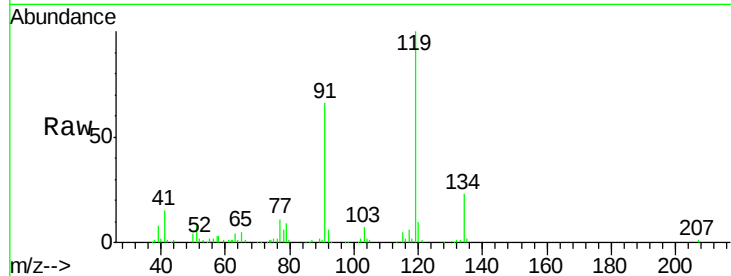




#83
 tert-Butylbenzene
 Concen: 4.85 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

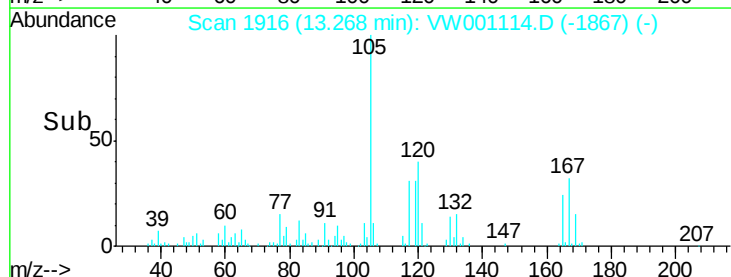
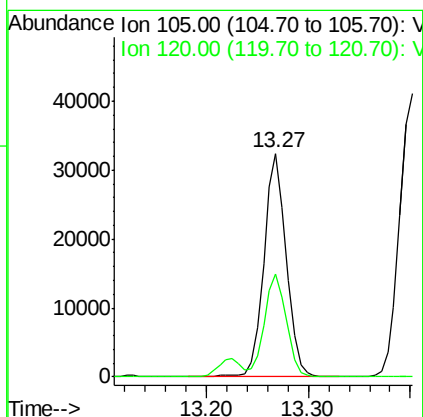
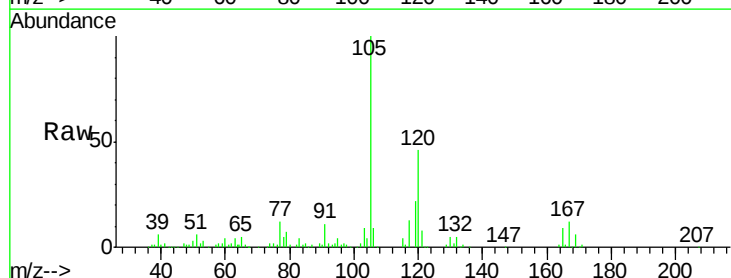
Instrument :
 MSVOA_W
 ClientSampleId :

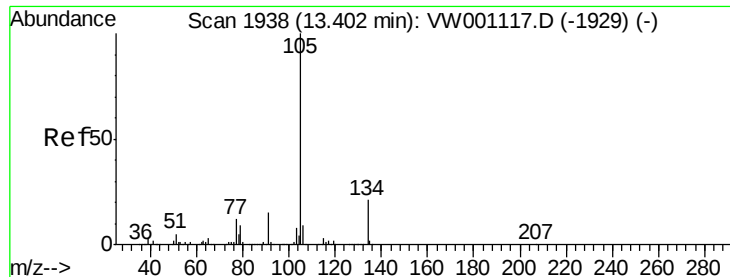
Tgt Ion:119 Resp: 43108
 Ion Ratio Lower Upper
 119 100
 91 65.7 31.9 95.5
 134 25.1 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 4.82 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion:105 Resp: 49271
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.8

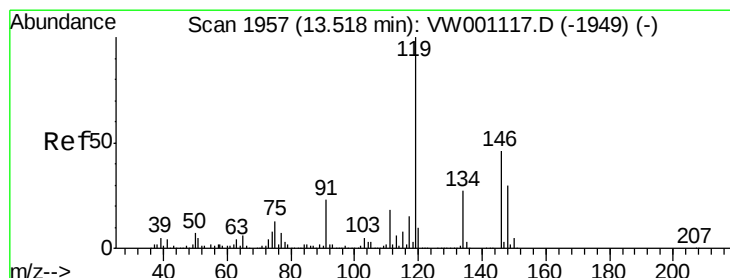
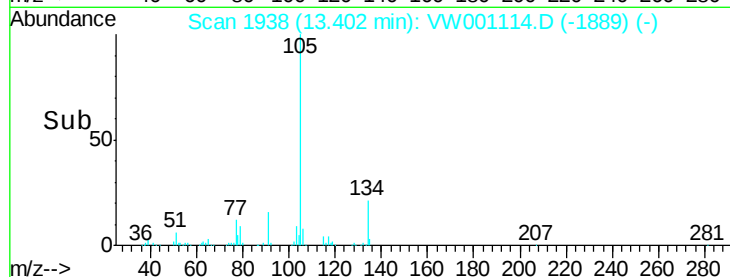
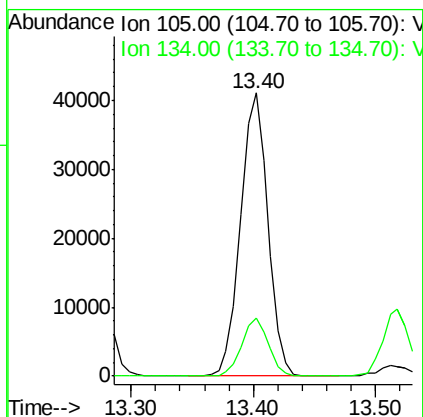
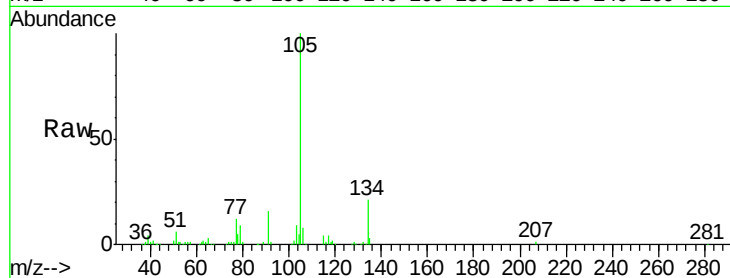




#85
 sec-Butylbenzene
 Concen: 5.06 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

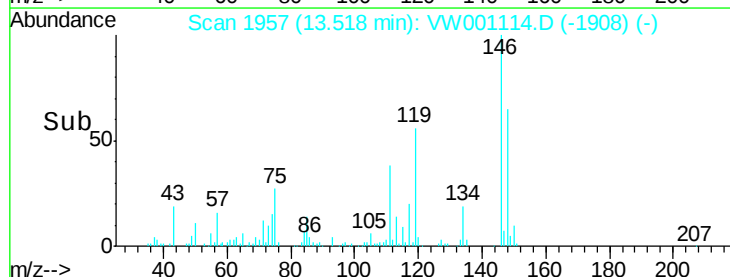
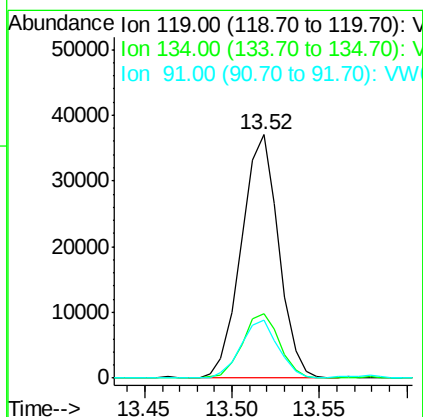
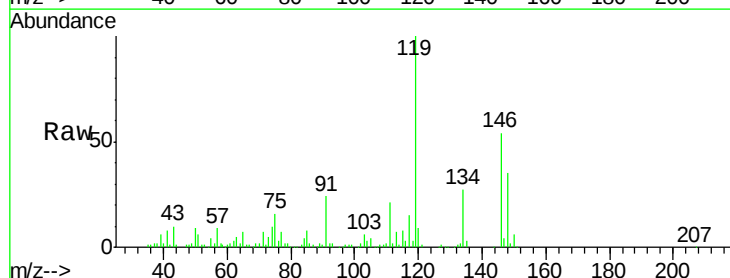
Instrument :
 MSVOA_W
 ClientSampleId :

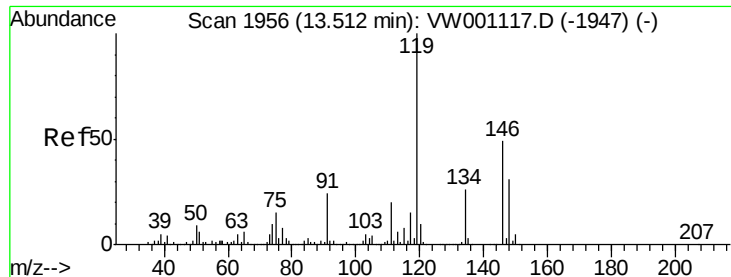
Tgt Ion:105 Resp: 63600
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 4.87 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion:119 Resp: 54389
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.1
 91 24.2 11.8 35.4

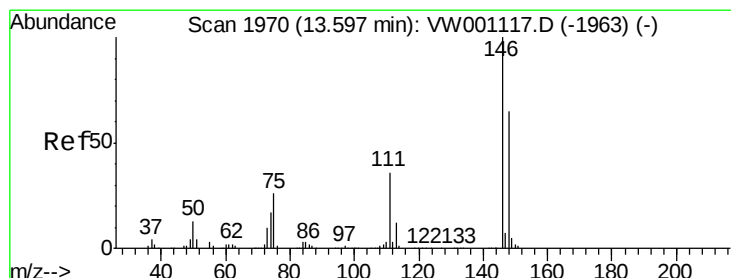
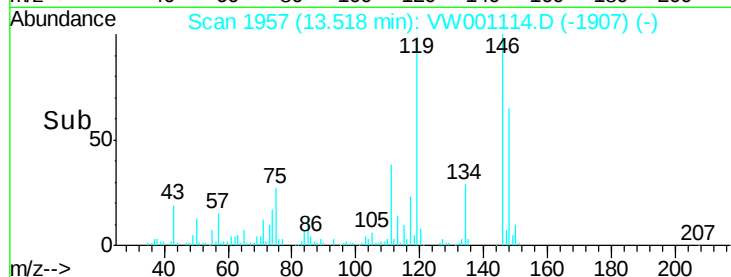
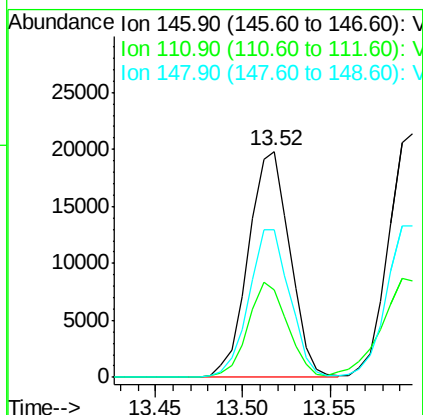
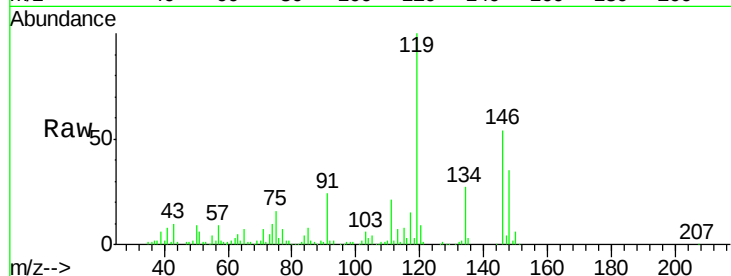




#87
 1,3-Dichlorobenzene
 Concen: 5.42 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

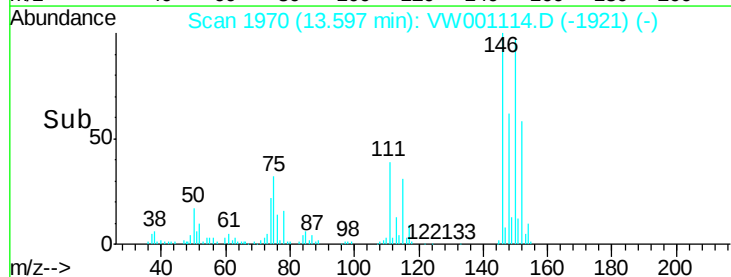
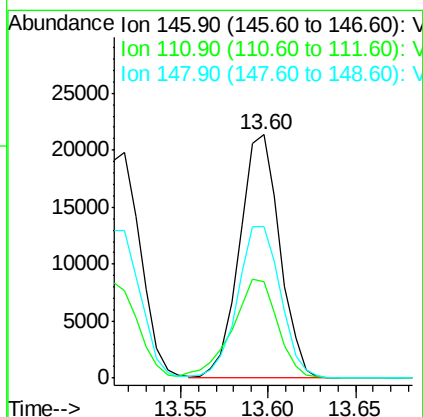
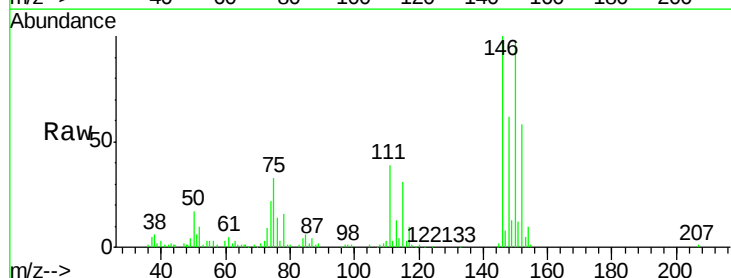
Instrument :
 MSVOA_W
 ClientSampleId :

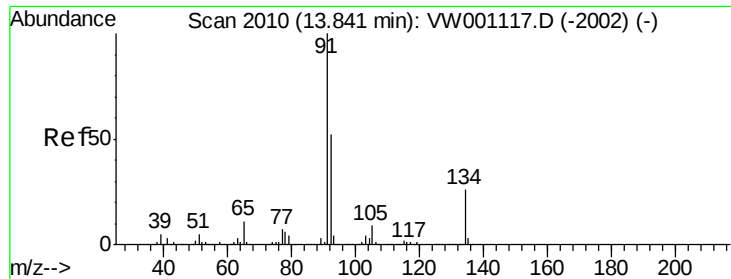
Tgt Ion:146 Resp: 32655
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.7 59.1
 148 64.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 5.65 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion:146 Resp: 34233
 Ion Ratio Lower Upper
 146 100
 111 46.0 19.1 57.1
 148 67.0 32.5 97.5

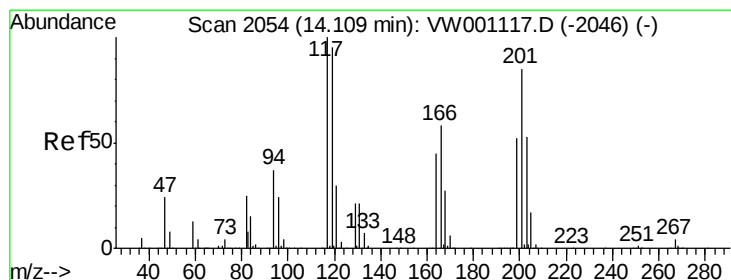
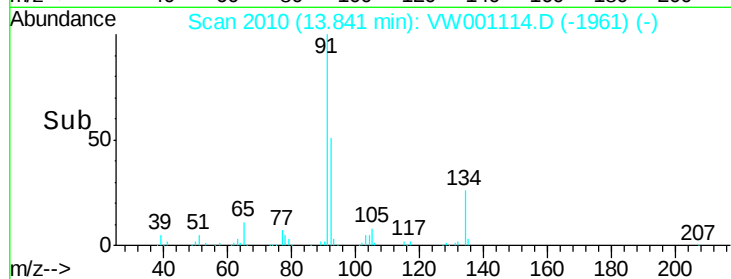
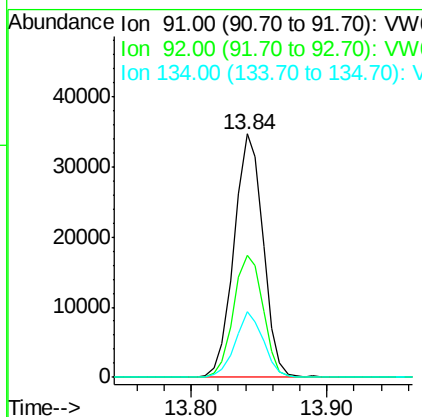
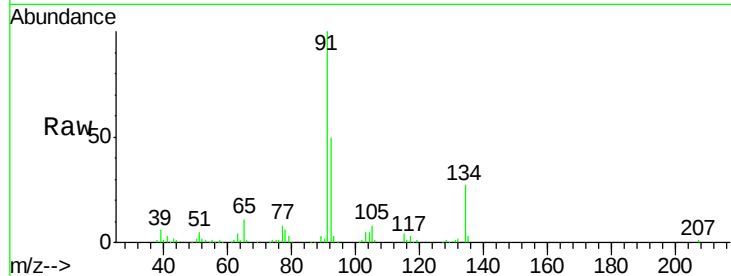




#89
n-Butylbenzene
Concen: 4.98 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

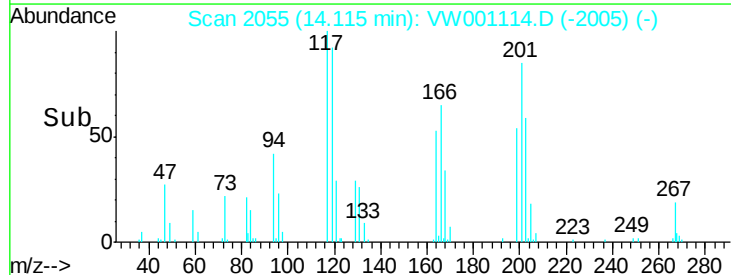
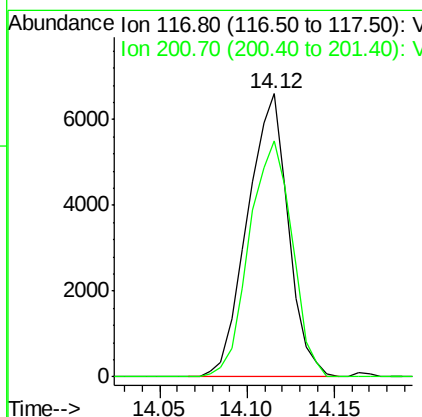
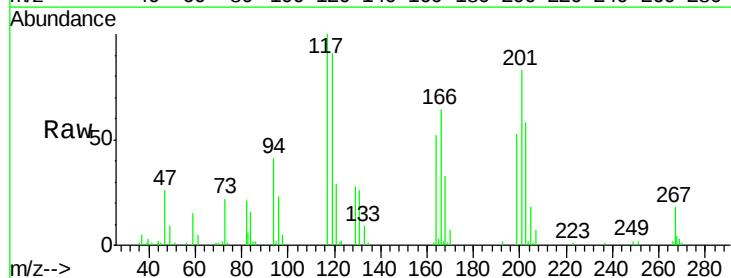
Instrument :
MSVOA_W
ClientSampleId :

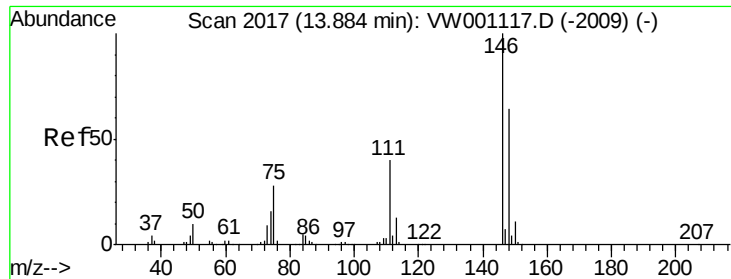
Tgt Ion: 91 Resp: 51814
Ion Ratio Lower Upper
91 100
92 50.8 26.1 78.2
134 25.9 13.6 40.8



#90
Hexachloroethane
Concen: 5.14 ug/l
RT: 14.12 min Scan# 2055
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 117 Resp: 10707
Ion Ratio Lower Upper
117 100
201 87.4 43.3 129.8

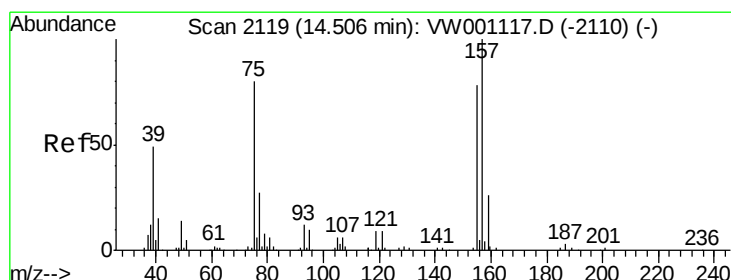
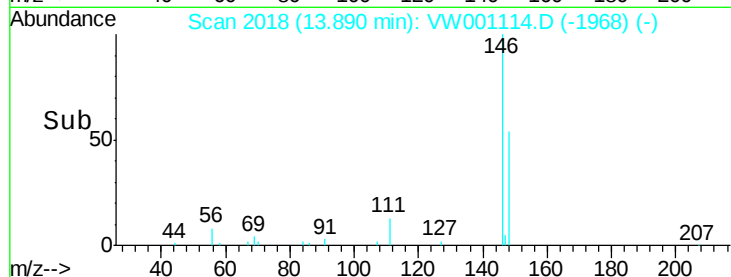
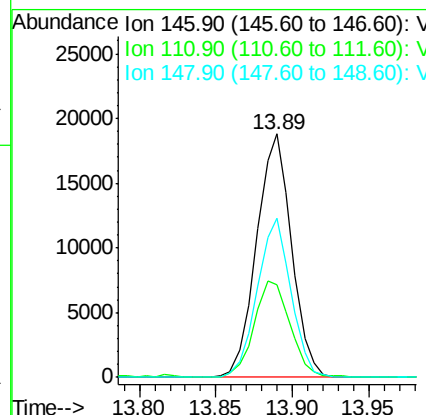
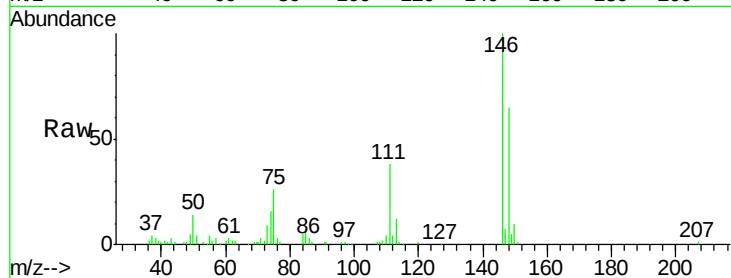




#91
 1,2-Dichlorobenzene
 Concen: 5.43 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

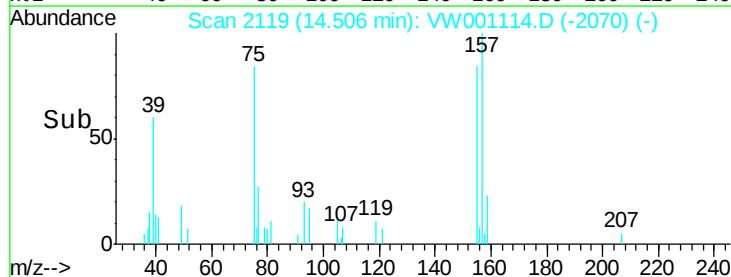
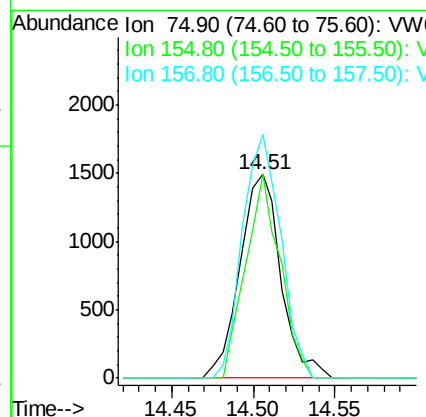
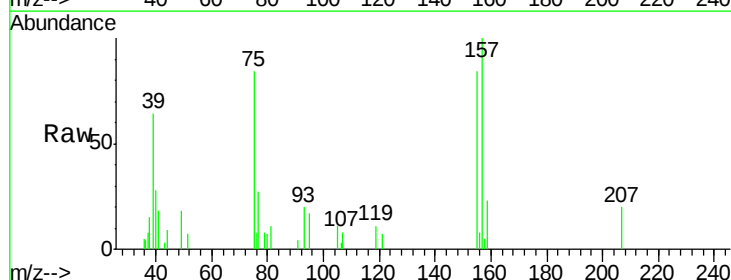
Instrument :
 MSVOA_W
 ClientSampleId :

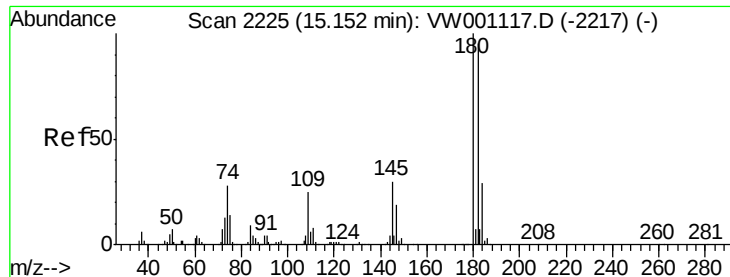
Tgt Ion:146 Resp: 29964
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.4 61.2
 148 63.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.38 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 75 Resp: 2609
 Ion Ratio Lower Upper
 75 100
 155 84.2 46.3 138.9
 157 111.7 60.0 180.0

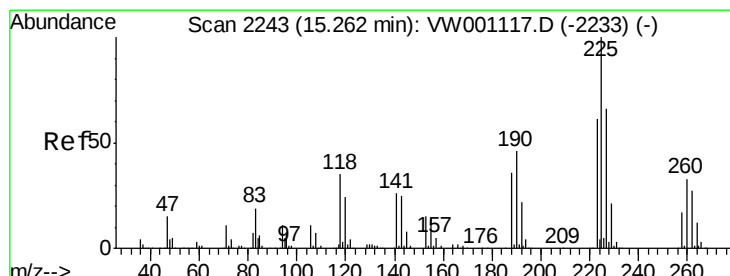
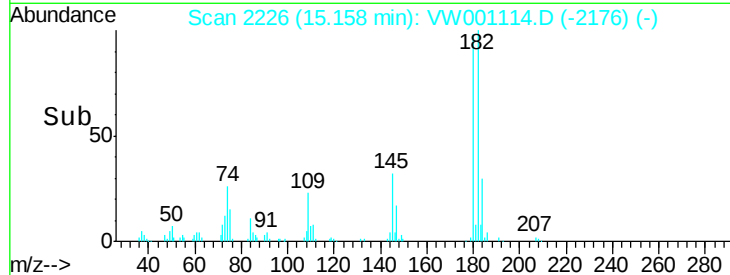
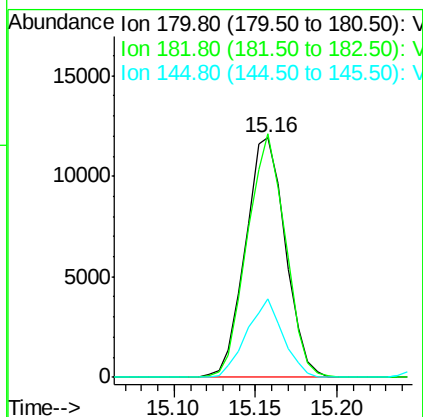
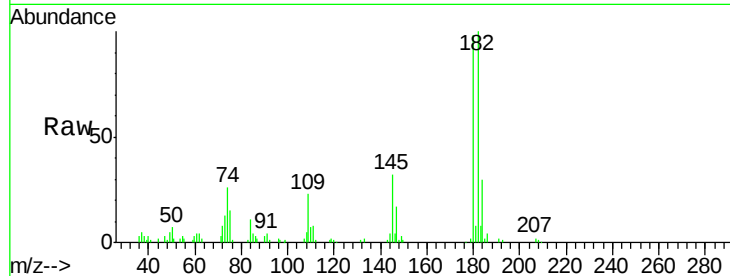




#93
 1,2,4-Trichlorobenzene
 Concen: 5.01 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

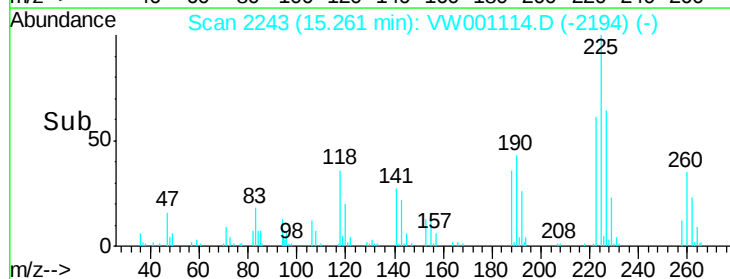
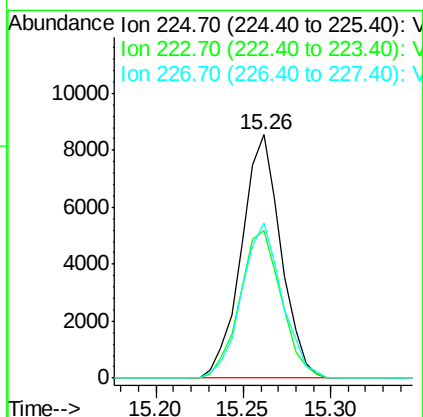
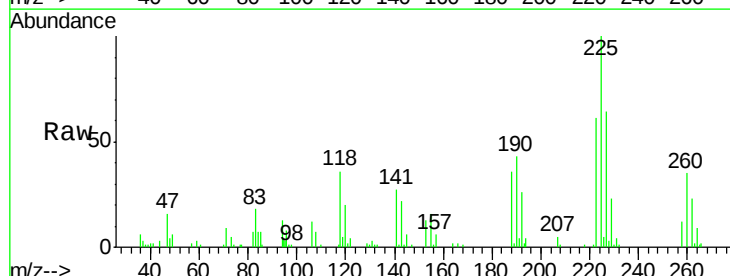
Instrument :
 MSVOA_W
 ClientSampleId :

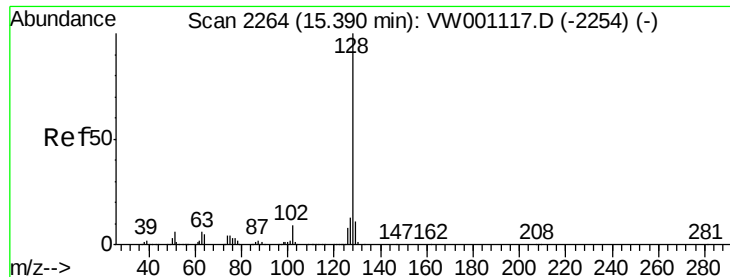
Tgt Ion:180 Resp: 20352
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.6 142.9
 145 30.1 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 5.33 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion:225 Resp: 13377
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.1 93.3
 227 65.4 32.6 97.8

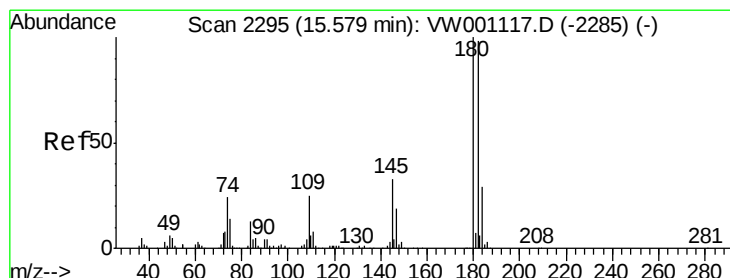
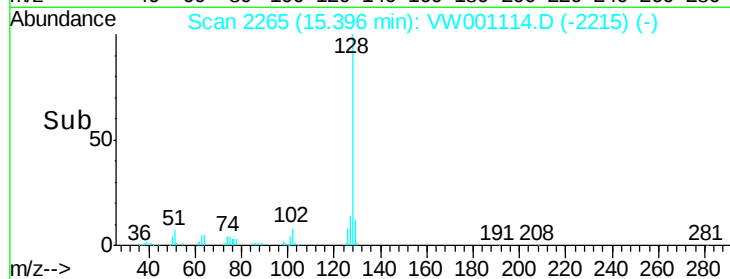
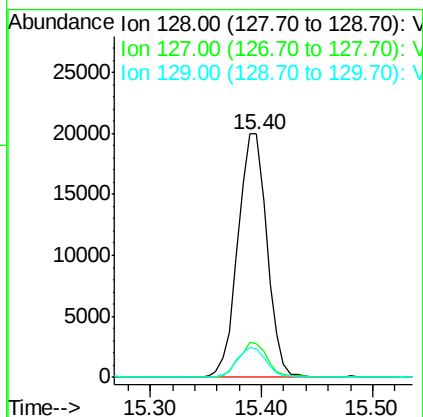
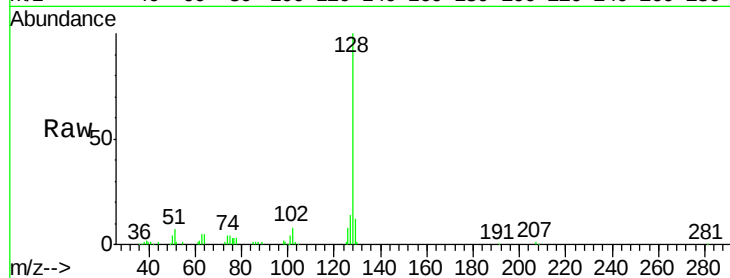




#95
Naphthalene
Concen: 4.52 ug/l
RT: 15.40 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:128 Resp: 36223
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 12.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 5.18 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:180 Resp: 19388
Ion Ratio Lower Upper
180 100
182 94.8 48.7 146.1
145 31.4 16.0 47.9

