

Data File : VW001115.D

Acq On : 29 Jan 2018 12:29

Operator : JC/SY

Sample : VSTDIC010

Misc : 5.0G/5.0ML/MSVOA_W/SOIL

ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Quant Time: Jan 30 00:49:43 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	317821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	447830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	416647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	231586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	30950	10.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.04%	
35) Dibromofluoromethane	7.88	113	29477	10.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.58%	
50) Toluene-d8	10.33	98	111246	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	
62) 4-Bromofluorobenzene	12.63	95	41268	10.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	25998	9.65	ug/l	95
3) Chloromethane	2.22	50	22674	9.64	ug/l	96
4) Vinyl Chloride	2.36	62	23633	10.09	ug/l	94
5) Bromomethane	2.76	94	18707	8.67	ug/l	99
6) Chloroethane	2.91	64	14035	10.56	ug/l	98
7) Trichlorofluoromethane	3.26	101	44189	10.15	ug/l	97
8) Diethyl Ether	3.68	74	11415	10.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	29809	10.30	ug/l	98
10) Methyl Iodide	4.26	142	27485	8.99	ug/l	99
11) Tert butyl alcohol	5.20	59	12322	49.44	ug/l	98
12) 1,1-Dichloroethene	4.03	96	25216	9.97	ug/l	98
13) Acrolein	3.90	56	18234	45.73	ug/l	100
14) Allyl chloride	4.67	41	36406	9.63	ug/l	99
15) Acrylonitrile	5.38	53	36285	47.19	ug/l	100
16) Acetone	4.14	43	37449	46.10	ug/l	95
17) Carbon Disulfide	4.37	76	77592	9.88	ug/l	99
18) Methyl Acetate	4.68	43	18035	9.19	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	62101	9.49	ug/l	98
20) Methylene Chloride	4.91	84	32081	9.97	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	28429	10.06	ug/l	97
22) Diisopropyl ether	6.32	45	72387	10.00	ug/l	95
23) Vinyl Acetate	6.26	43	213372	49.19	ug/l	100
24) 1,1-Dichloroethane	6.21	63	47025	9.95	ug/l	98
25) 2-Butanone	7.18	43	49427	46.35	ug/l	98
26) 2,2-Dichloropropane	7.17	77	47286	10.12	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	29661	9.84	ug/l	97
28) Bromochloromethane	7.51	49	19024	9.91	ug/l	96
29) Tetrahydrofuran	7.54	42	27373	44.95	ug/l	99
30) Chloroform	7.68	83	53220	10.40	ug/l	95
31) Cyclohexane	7.95	56	46635	10.17	ug/l	# 87
32) 1,1,1-Trichloroethane	7.87	97	49126	10.14	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40461	10.01	ug/l	99
37) Ethyl Acetate	7.26	43	20129	9.42	ug/l	97
38) Carbon Tetrachloride	8.07	117	44780	9.92	ug/l	97

Data File : VW001115.D

Acq On : 29 Jan 2018 12:29

Operator : JC/SY

Sample : VSTDIC010

Misc : 5.0G/5.0ML/MSVOA_W/SOIL

ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Quant Time: Jan 30 00:49:43 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	43901	9.20	ug/l	99
40) Benzene	8.32	78	113206	10.11	ug/l	100
41) Methacrylonitrile	7.49	41	10581	8.92	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	35770	10.16	ug/l	100
43) Isopropyl Acetate	8.43	43	34646	9.42	ug/l	99
44) Trichloroethene	9.09	130	33326	9.92	ug/l	94
45) 1,2-Dichloropropane	9.38	63	27296	10.13	ug/l	97
46) Dibromomethane	9.46	93	16657	9.88	ug/l	100
47) Bromodichloromethane	9.65	83	37524	9.84	ug/l	97
48) Methyl methacrylate	9.45	41	15873	9.03	ug/l	98
49) 1,4-Dioxane	9.45	88	5516	183.64	ug/l #	95
51) 4-Methyl-2-Pentanone	10.22	43	92710	46.14	ug/l	98
52) Toluene	10.40	92	71829	9.99	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	36701	9.54	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	42241	9.83	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	24044	10.01	ug/l	97
56) Ethyl methacrylate	10.66	69	24702	8.77	ug/l	97
57) 1,3-Dichloropropane	10.94	76	38396	9.83	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	60276	52.58	ug/l	99
59) 2-Hexanone	10.98	43	67967	44.71	ug/l	100
60) Dibromochloromethane	11.14	129	28680	9.79	ug/l	99
61) 1,2-Dibromoethane	11.24	107	23833	9.84	ug/l	99
64) Tetrachloroethene	10.87	164	34255	10.22	ug/l	98
65) Chlorobenzene	11.67	112	85150	10.13	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	30368	9.90	ug/l	99
67) Ethyl Benzene	11.74	91	135427	9.65	ug/l	95
68) m/p-Xylenes	11.85	106	108349	19.82	ug/l	98
69) o-Xylene	12.18	106	48727	9.67	ug/l	99
70) Styrene	12.19	104	79201	9.56	ug/l	98
71) Bromoform	12.36	173	18771	9.47	ug/l #	100
73) Isopropylbenzene	12.48	105	137282	9.46	ug/l	100
74) N-amyl acetate	12.29	43	29980	9.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	27960	9.42	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	37798	13.39	ug/l #	100
77) Bromobenzene	12.76	156	36416	9.67	ug/l	96
78) n-propylbenzene	12.82	91	166552	9.59	ug/l	100
79) 2-Chlorotoluene	12.91	91	96298	9.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	119126	9.60	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	7882	8.83	ug/l	95
82) 4-Chlorotoluene	13.01	91	105150	9.92	ug/l	97
83) tert-Butylbenzene	13.22	119	102369	9.34	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	120292	9.53	ug/l	99
85) sec-Butylbenzene	13.40	105	147327	9.50	ug/l	99
86) p-Isopropyltoluene	13.52	119	130249	9.45	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	74265	9.99	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	74569	9.98	ug/l	97
89) n-Butylbenzene	13.84	91	120543	9.39	ug/l	99
90) Hexachloroethane	14.11	117	24370	9.48	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	68428	10.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5323	8.89	ug/l	97

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

Data File : VW001115.D
Acq On : 29 Jan 2018 12:29
Operator : JC/SY
Sample : VSTDICC010
Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

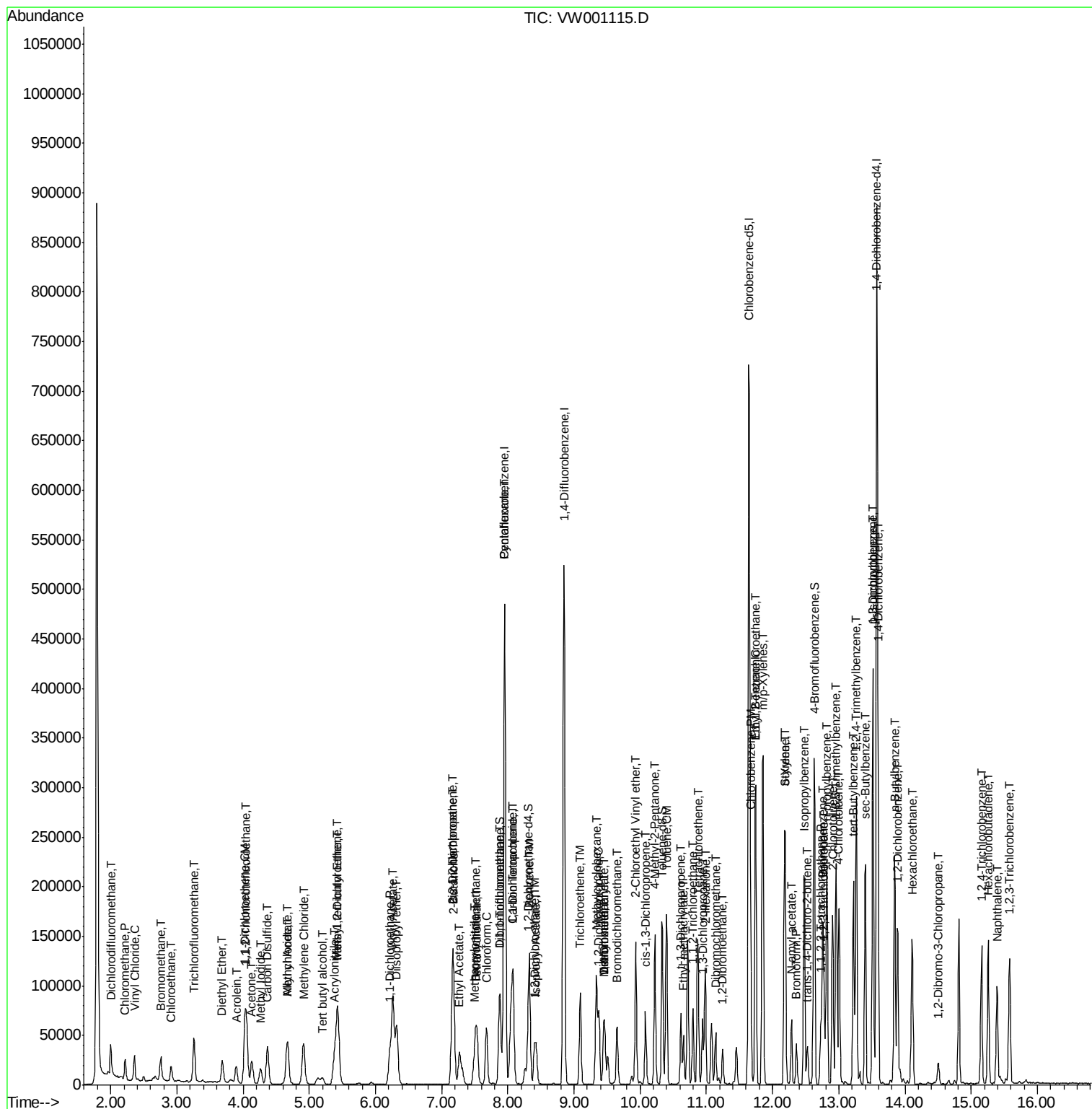
Quant Time: Jan 30 00:49:43 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 00:46:15 2018
Response via : Initial Calibration

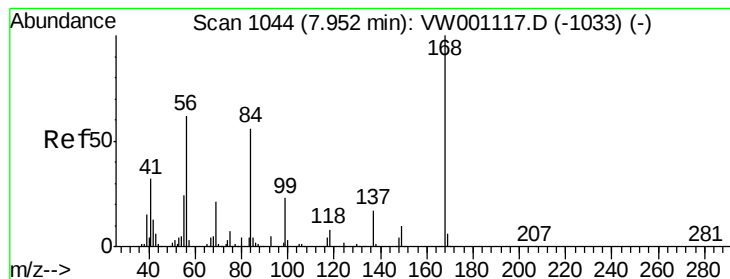
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	47528	9.49	ug/l	99
94) Hexachlorobutadiene	15.26	225	29529	9.53	ug/l	97
95) Naphthalene	15.39	128	86543	8.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	44736	9.69	ug/l	98

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

```
ALS Vial      : 3      Sample Multiplier: 1
```

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: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

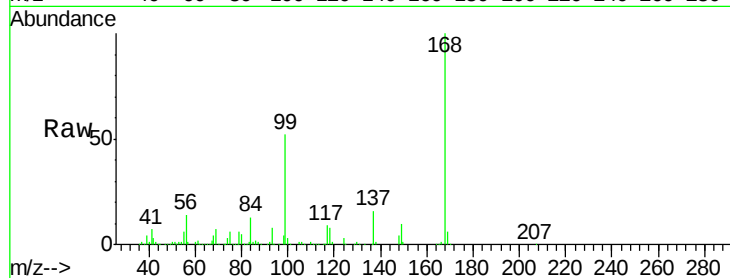
VSTDIC010

Tgt Ion:168 Resp: 317821

Ion Ratio Lower Upper

168 100

99 52.4 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

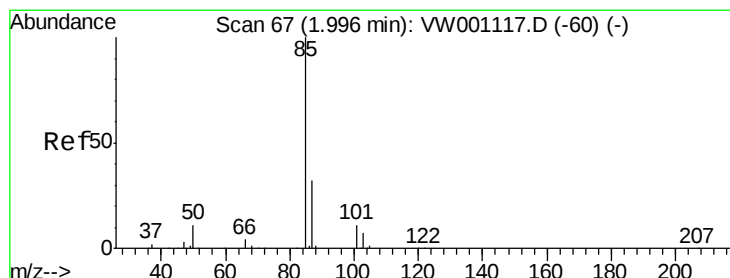
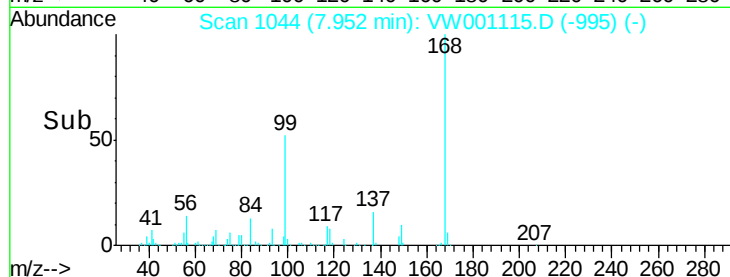
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 9.65 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.01 min

Lab File: VW001115.D

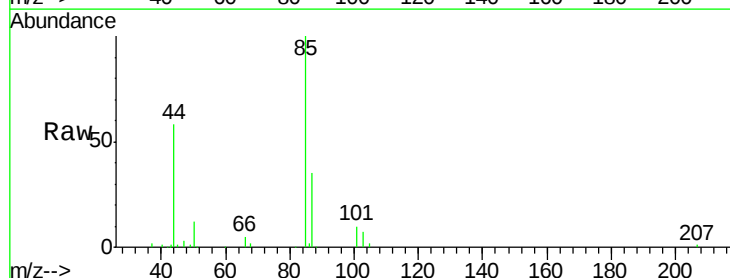
Acq: 29 Jan 2018 12:29

Tgt Ion: 85 Resp: 25998

Ion Ratio Lower Upper

85 100

87 35.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

15000

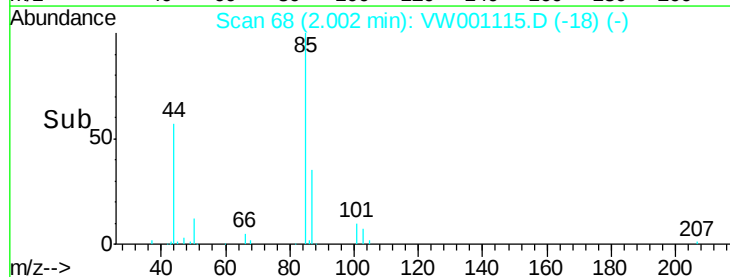
10000

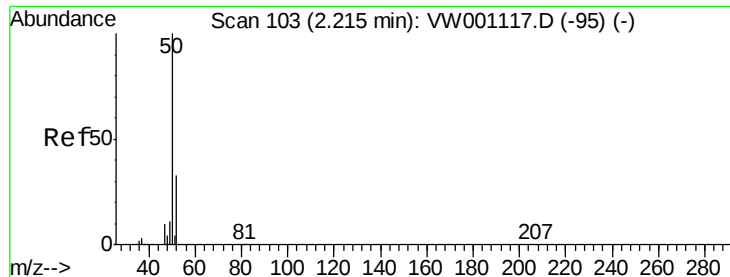
5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 9.64 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

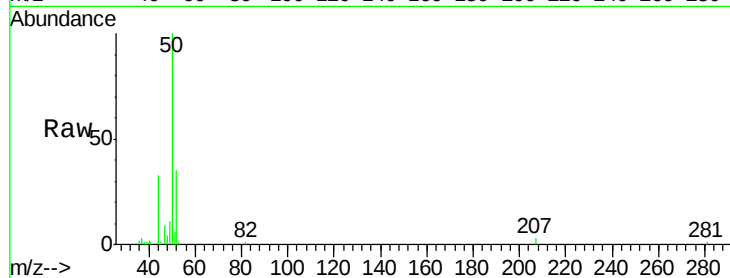
VSTDIC010

Tgt Ion: 50 Resp: 22674

Ion Ratio Lower Upper

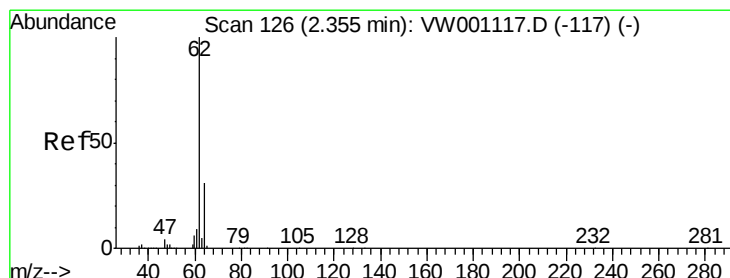
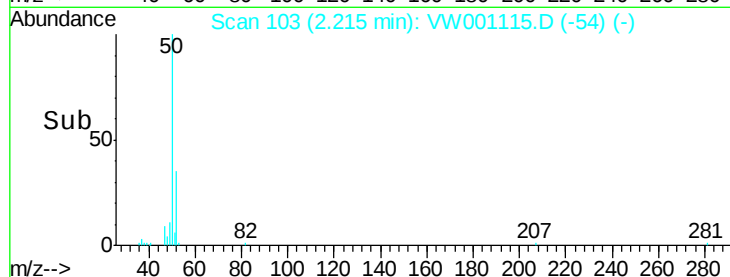
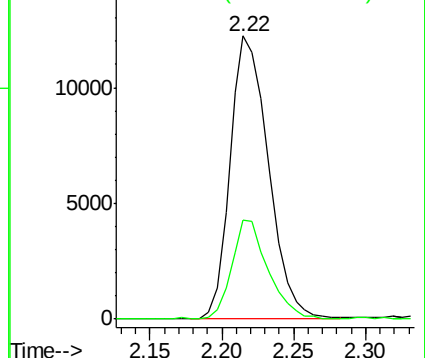
50 100

52 35.0 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 10.09 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW001115.D

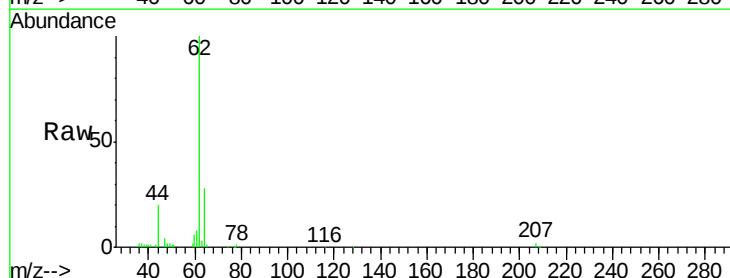
Acq: 29 Jan 2018 12:29

Tgt Ion: 62 Resp: 23633

Ion Ratio Lower Upper

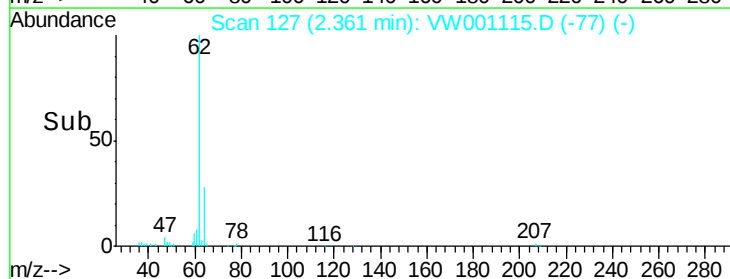
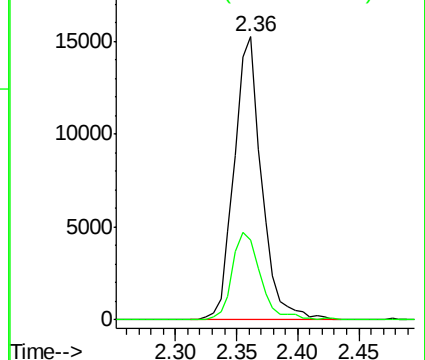
62 100

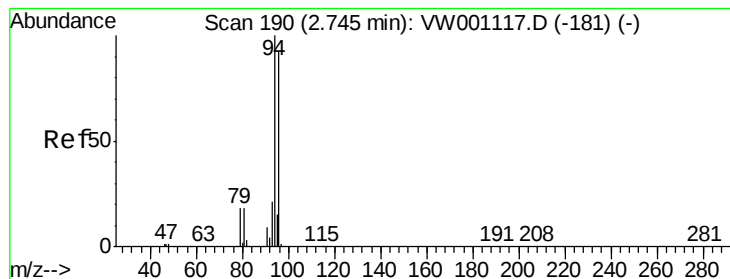
64 28.2 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 8.67 ug/l

RT: 2.76 min Scan# 192

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

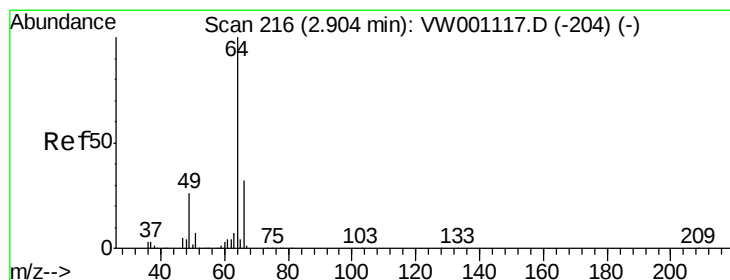
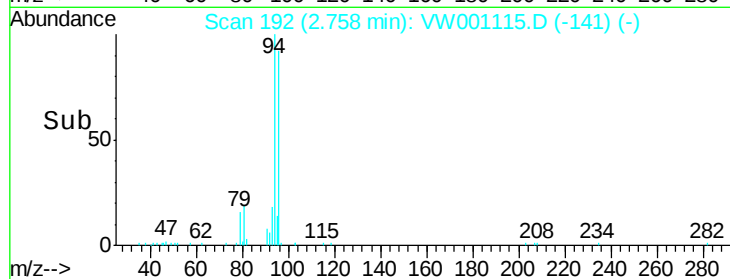
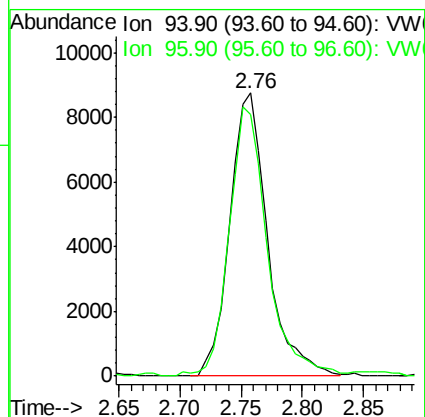
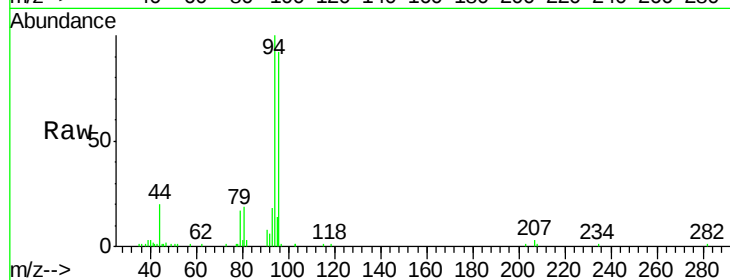
VSTDIC010

Tgt Ion: 94 Resp: 18707

Ion Ratio Lower Upper

94 100

96 91.3 73.7 110.5



#6

Chloroethane

Concen: 10.56 ug/l

RT: 2.91 min Scan# 217

Delta R.T. 0.01 min

Lab File: VW001115.D

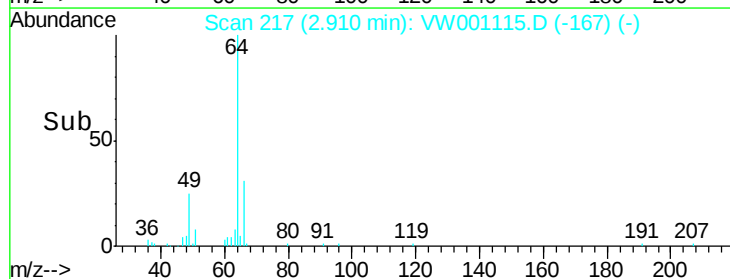
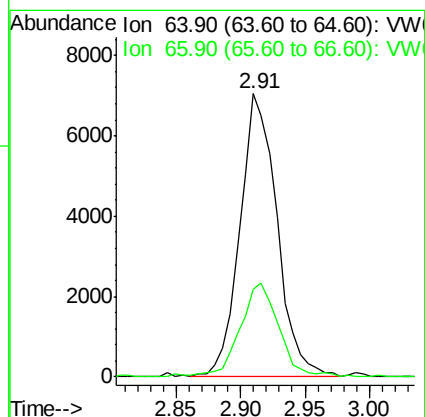
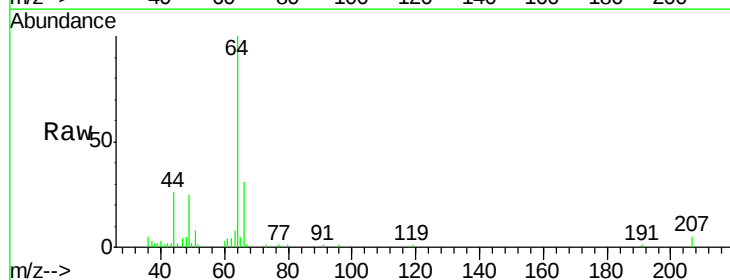
Acq: 29 Jan 2018 12:29

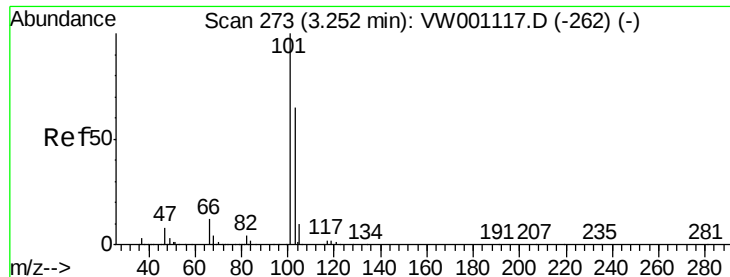
Tgt Ion: 64 Resp: 14035

Ion Ratio Lower Upper

64 100

66 31.1 25.8 38.8



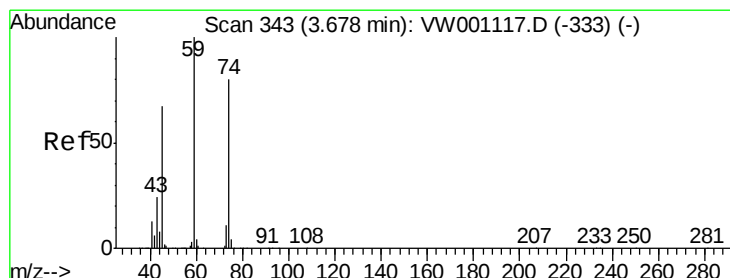
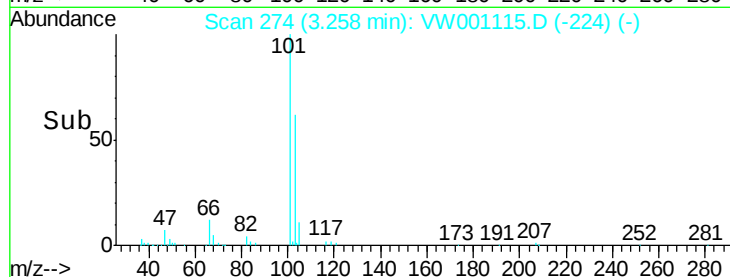
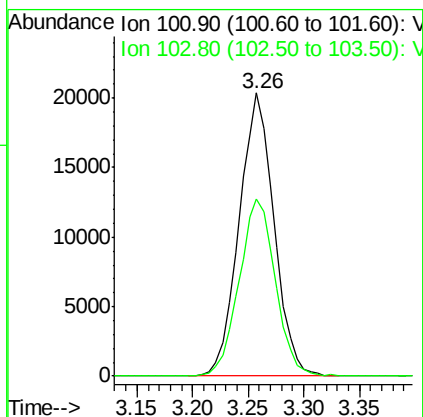
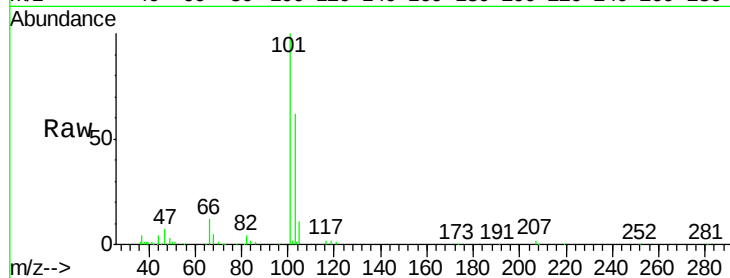


#7

Trichlorofluoromethane
Concen: 10.15 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

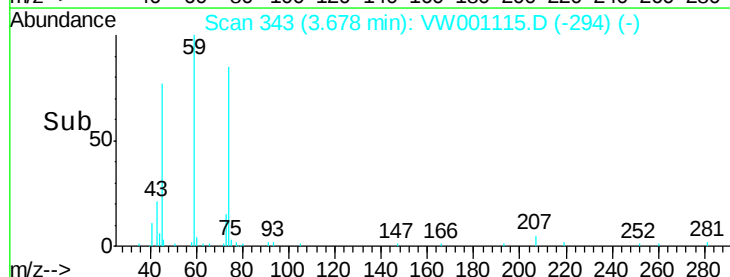
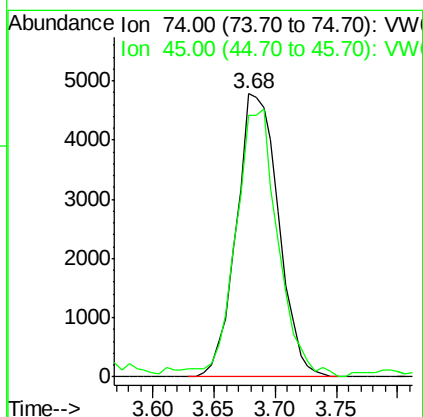
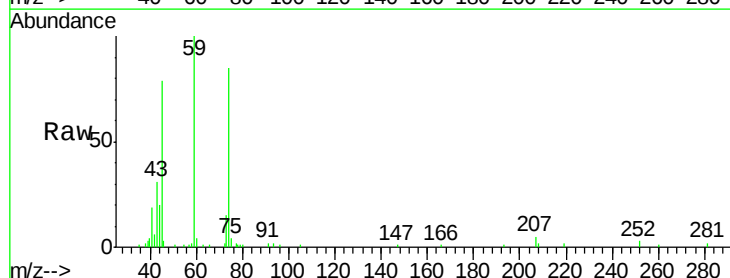
Tgt Ion: 101 Resp: 44189
Ion Ratio Lower Upper
101 100
103 62.4 51.9 77.9

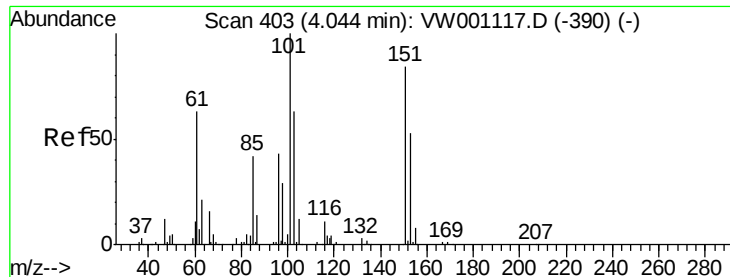


#8

Diethyl Ether
Concen: 10.08 ug/l
RT: 3.68 min Scan# 343
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 74 Resp: 11415
Ion Ratio Lower Upper
74 100
45 96.2 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.30 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

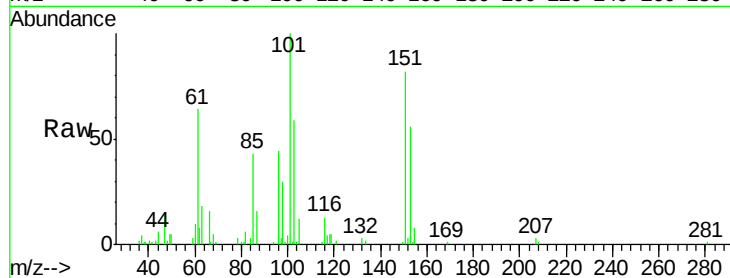
Tgt Ion:101 Resp: 29809

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

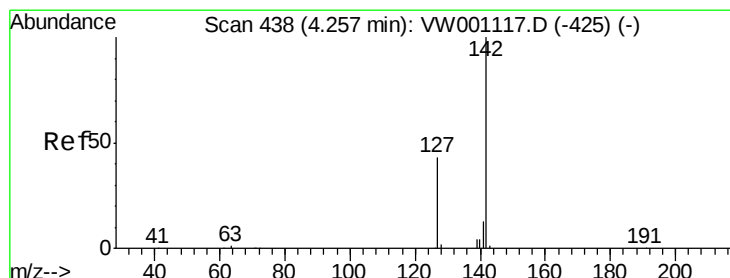
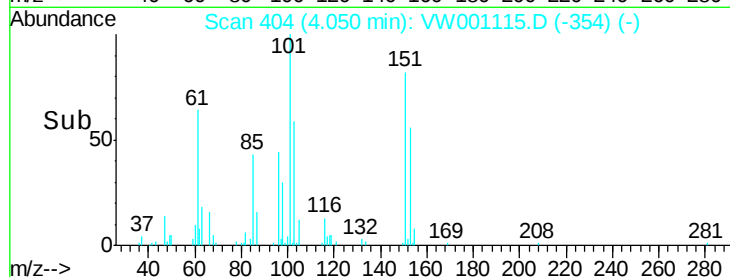
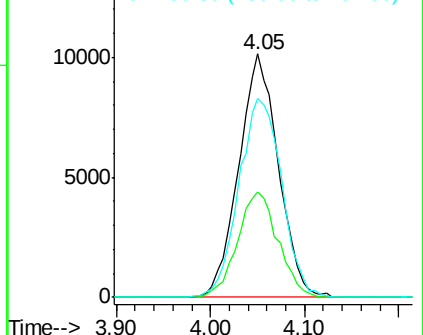
151 88.6 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.99 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

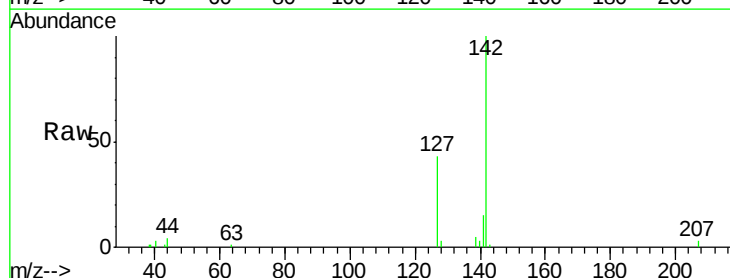
Tgt Ion:142 Resp: 27485

Ion Ratio Lower Upper

142 100

127 44.6 35.4 53.2

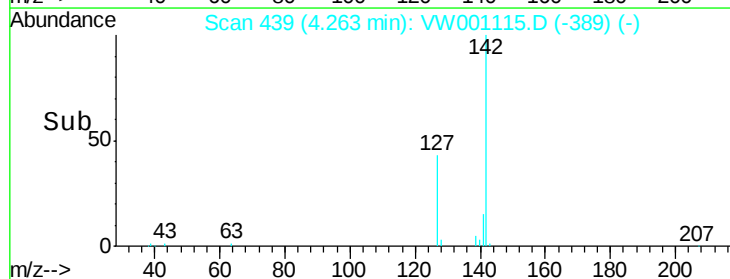
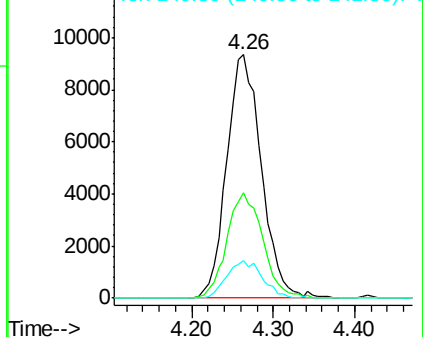
141 15.6 11.6 17.4

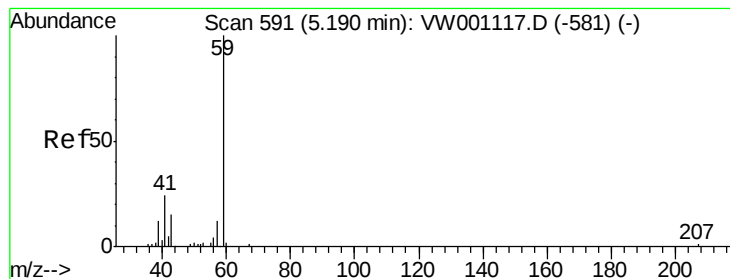


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 49.44 ug/l

RT: 5.20 min Scan# 593

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

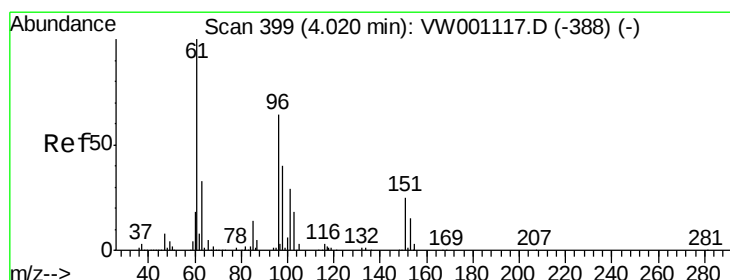
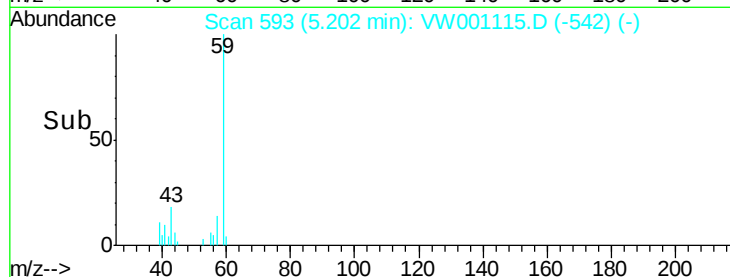
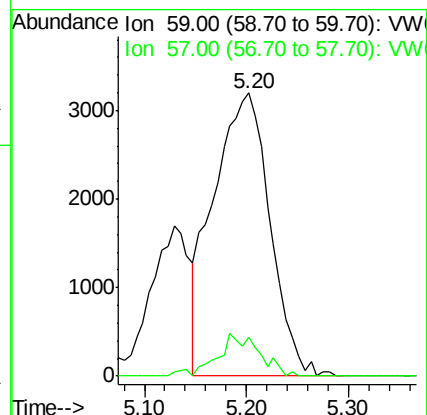
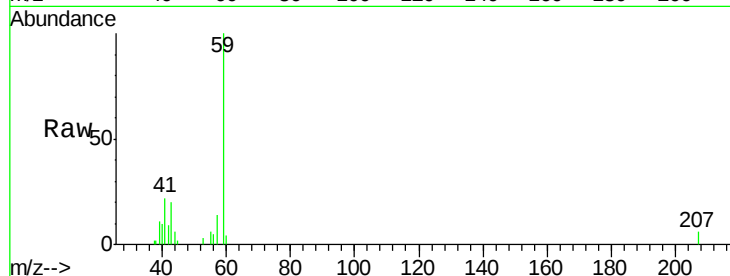
VSTDIC010

Tgt Ion: 59 Resp: 12322

Ion Ratio Lower Upper

59 100

57 10.6 7.8 11.8



#12

1,1-Dichloroethene

Concen: 9.97 ug/l

RT: 4.03 min Scan# 400

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

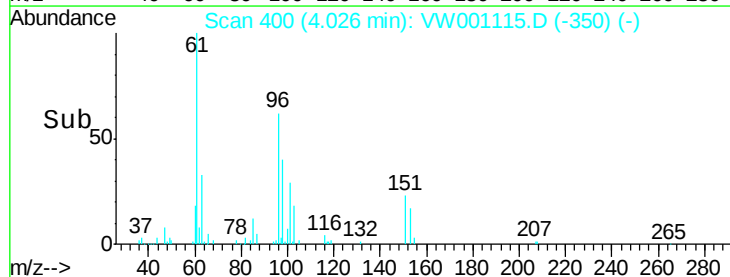
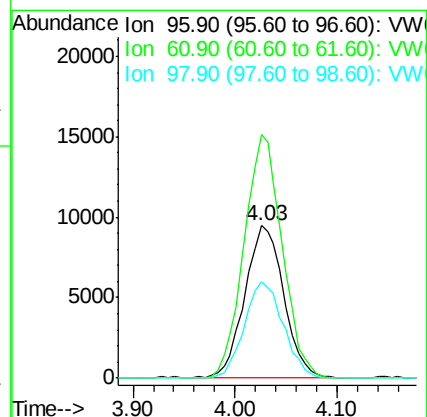
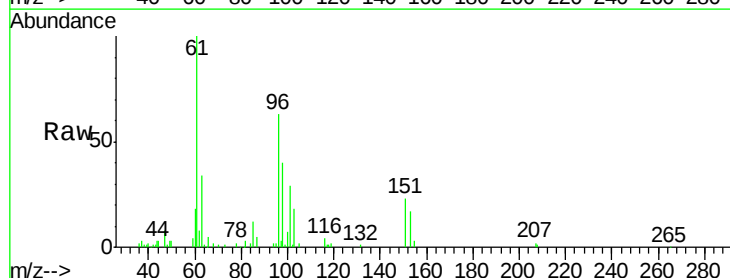
Tgt Ion: 96 Resp: 25216

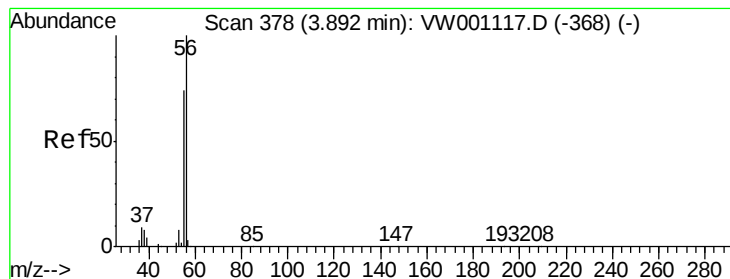
Ion Ratio Lower Upper

96 100

61 159.6 125.2 187.8

98 63.5 50.3 75.5





#13

Acrolein

Concen: 45.73 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

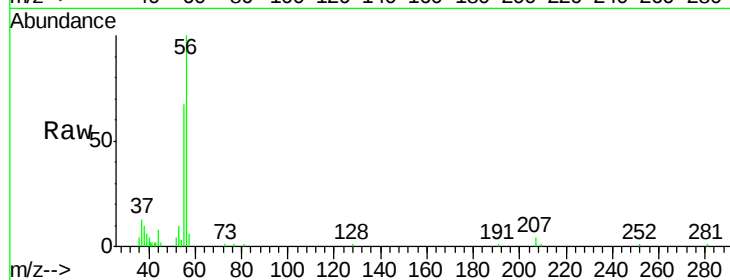
VSTDIC010

Tgt Ion: 56 Resp: 18234

Ion Ratio Lower Upper

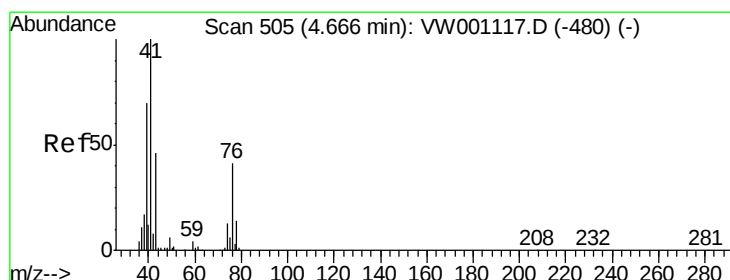
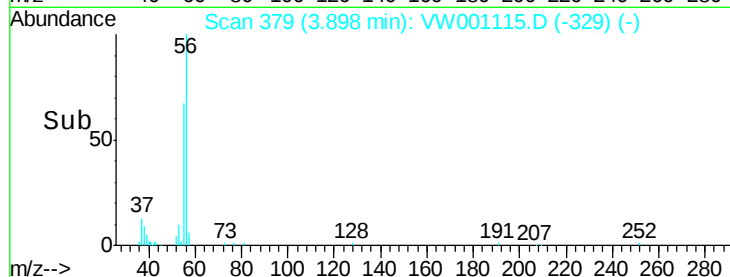
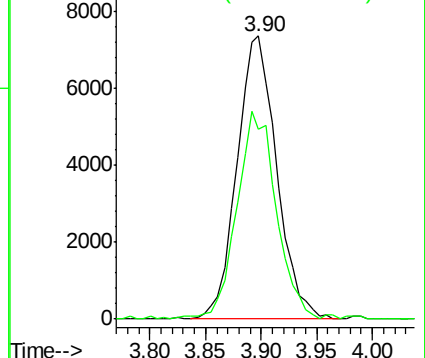
56 100

55 73.0 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: 9.63 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

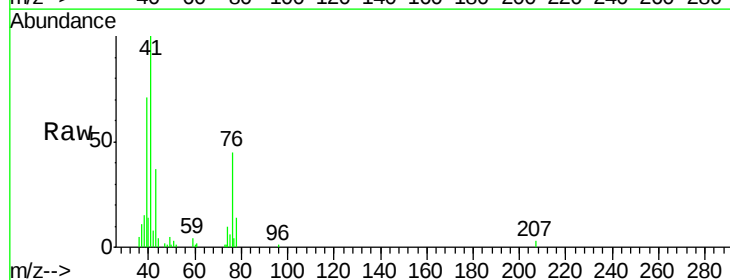
Tgt Ion: 41 Resp: 36406

Ion Ratio Lower Upper

41 100

39 70.7 55.9 83.9

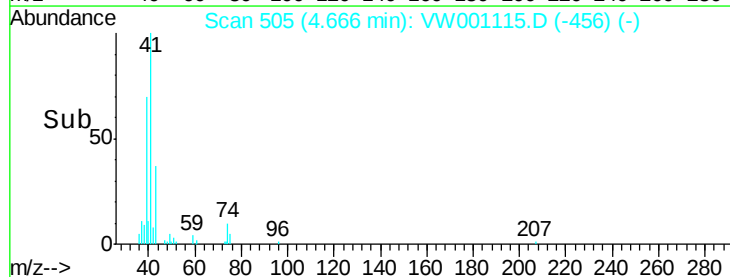
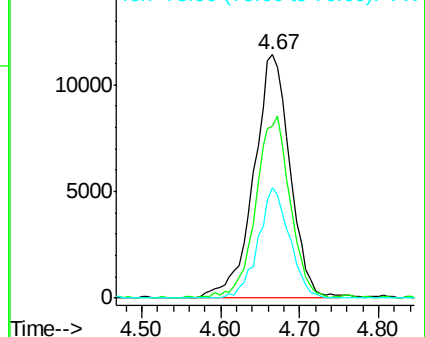
76 39.1 31.0 46.6

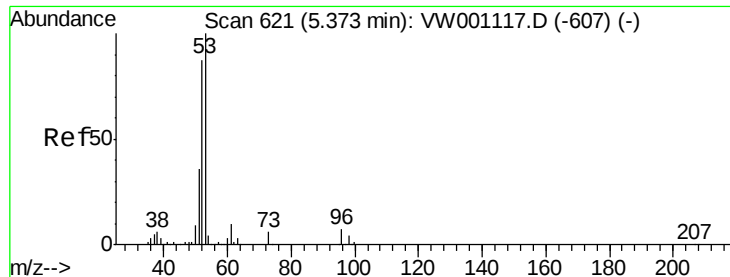


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 47.19 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

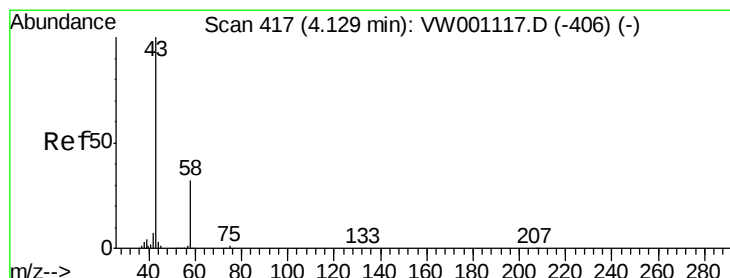
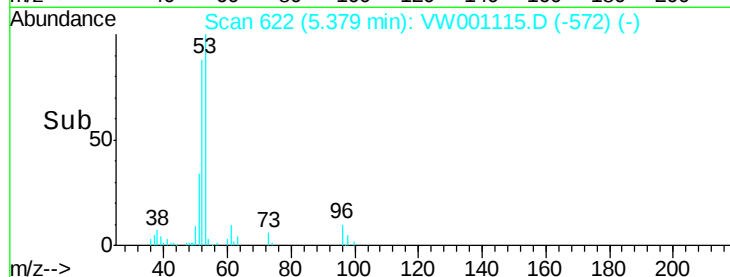
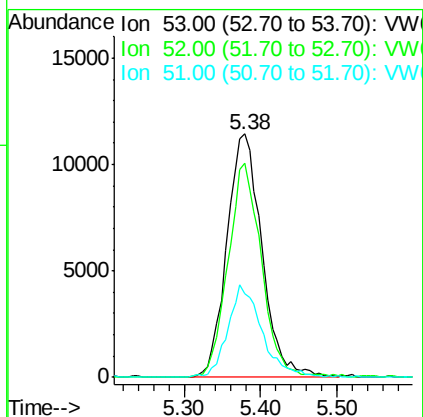
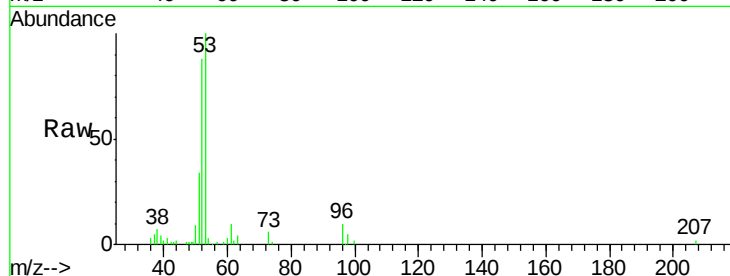
Tgt Ion: 53 Resp: 36285

Ion Ratio Lower Upper

53 100

52 83.8 66.9 100.3

51 37.0 29.5 44.3



#16

Acetone

Concen: 46.10 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW001115.D

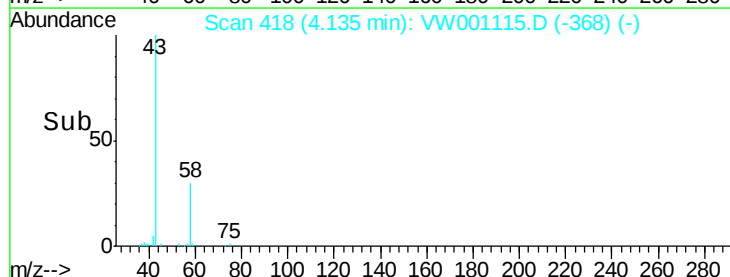
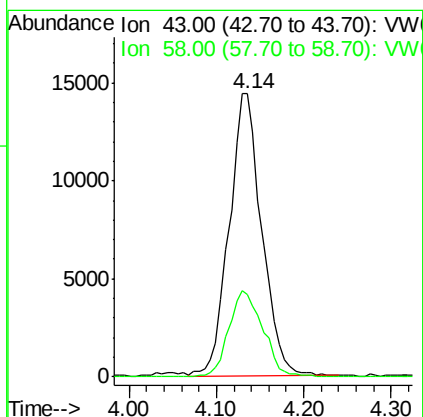
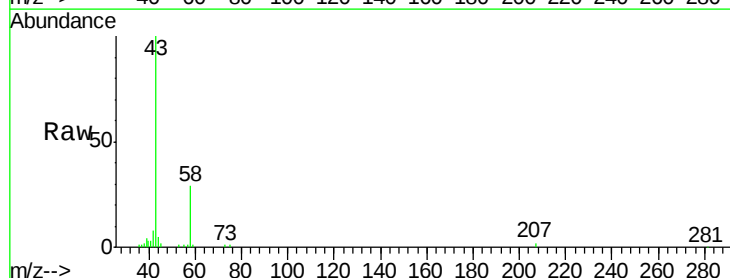
Acq: 29 Jan 2018 12:29

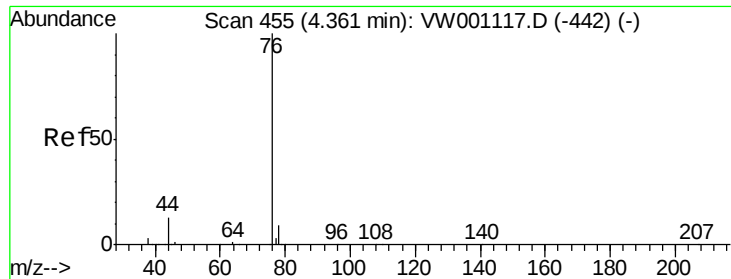
Tgt Ion: 43 Resp: 37449

Ion Ratio Lower Upper

43 100

58 29.2 25.7 38.5

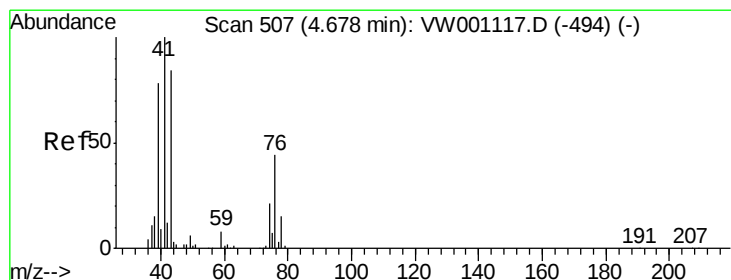
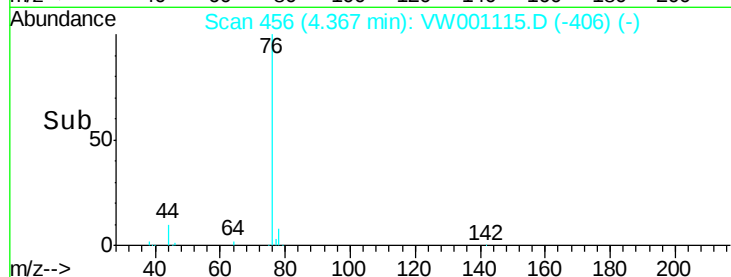
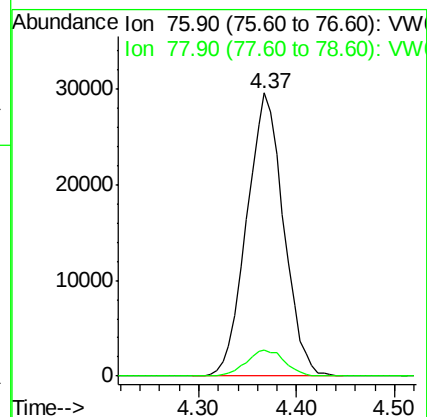
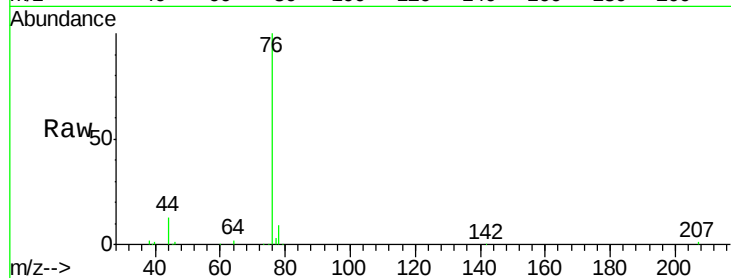




#17
Carbon Disulfide
Concen: 9.88 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

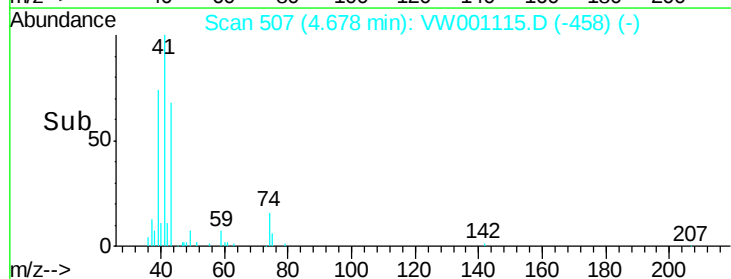
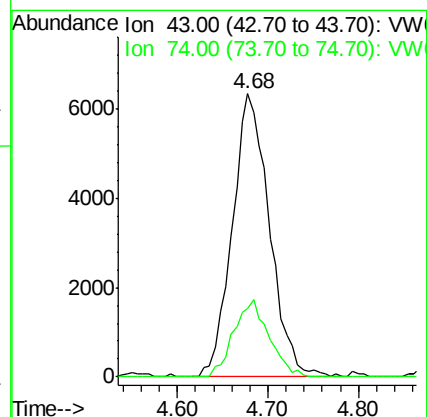
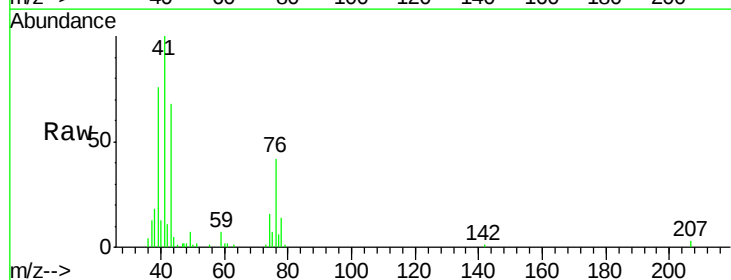
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

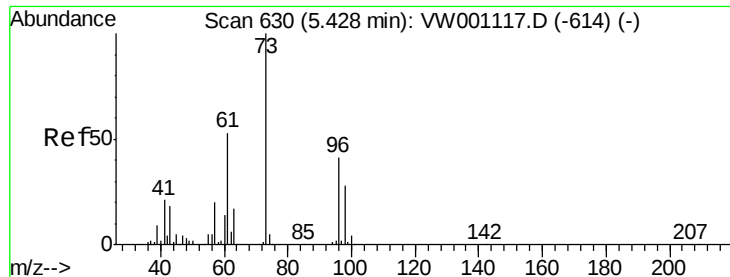
Tgt Ion: 76 Resp: 77592
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 9.19 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 43 Resp: 18035
Ion Ratio Lower Upper
43 100
74 25.8 20.2 30.2

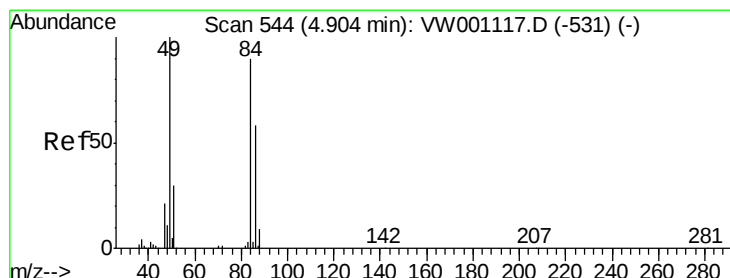
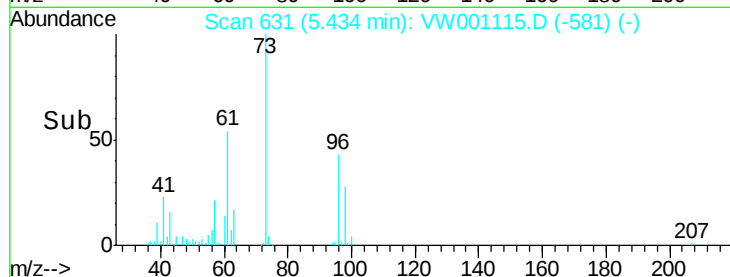
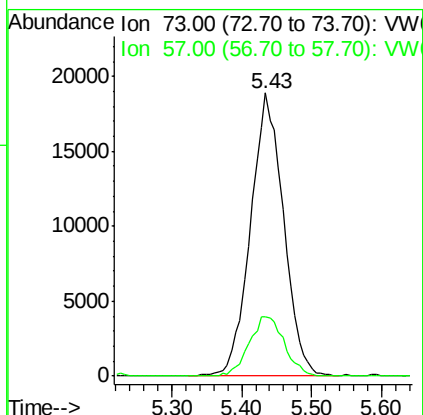
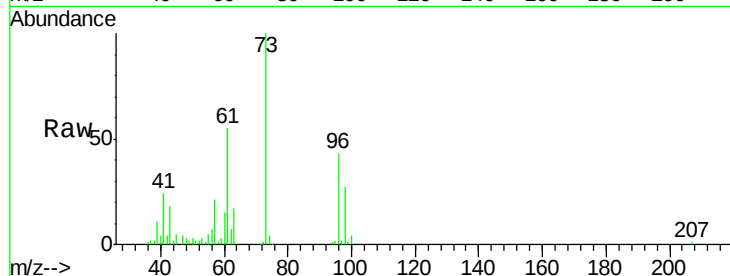




#19
Methyl tert-butyl Ether
Concen: 9.49 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

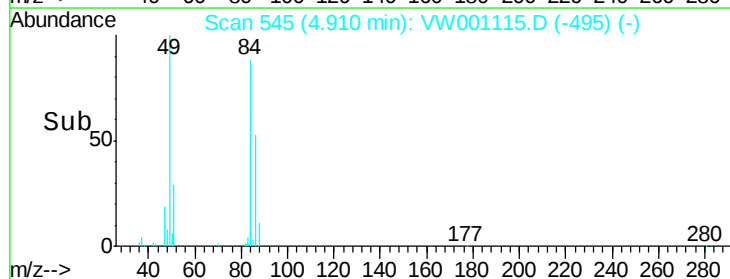
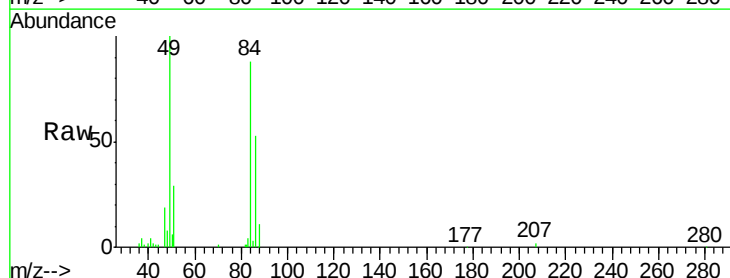
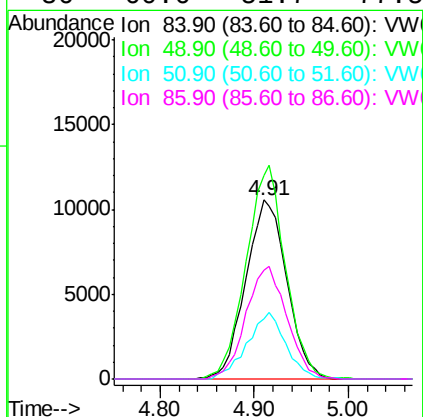
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

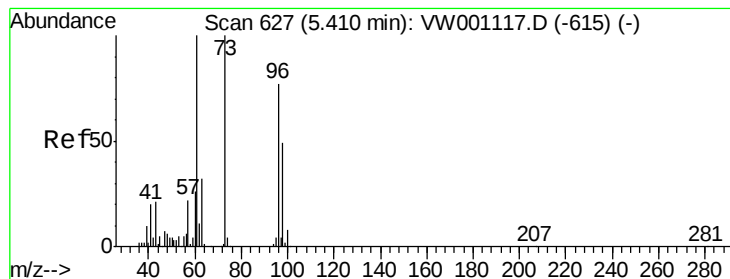
Tgt Ion: 73 Resp: 62101
Ion Ratio Lower Upper
73 100
57 21.0 16.1 24.1



#20
Methylene Chloride
Concen: 9.97 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 84 Resp: 32081
Ion Ratio Lower Upper
84 100
49 114.1 89.2 133.8
51 33.4 26.7 40.1
86 60.6 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 10.06 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.02 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

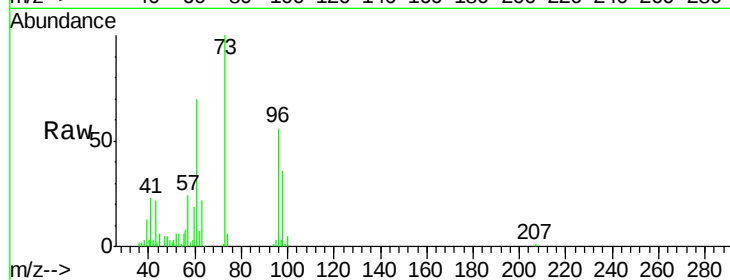
Tgt Ion: 96 Resp: 28429

Ion Ratio Lower Upper

96 100

61 124.9 104.6 156.8

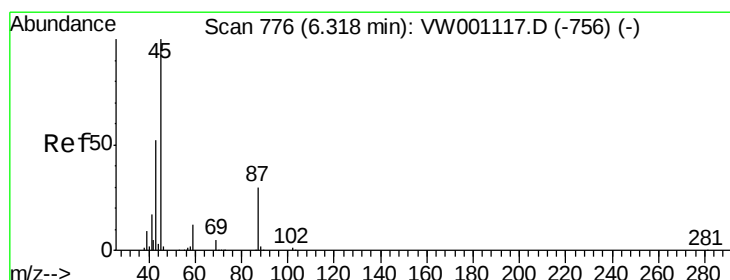
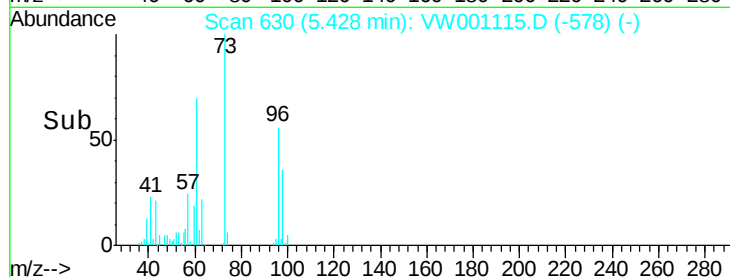
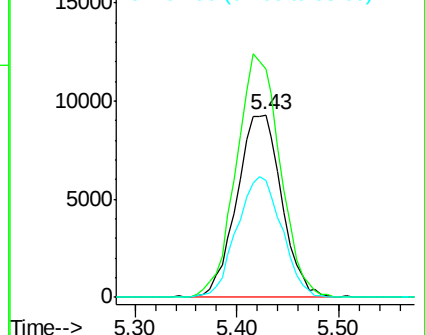
98 63.8 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 10.00 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion: 45 Resp: 72387

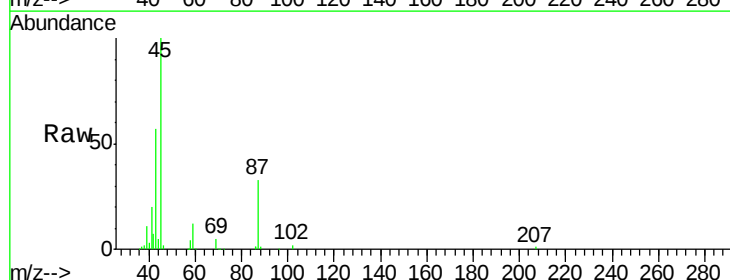
Ion Ratio Lower Upper

45 100

43 56.7 41.6 62.4

87 33.3 24.5 36.7

59 11.7 9.9 14.9

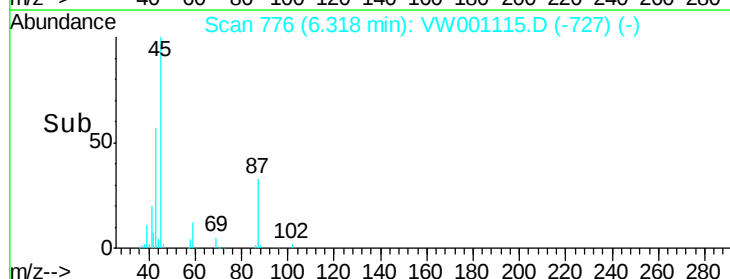
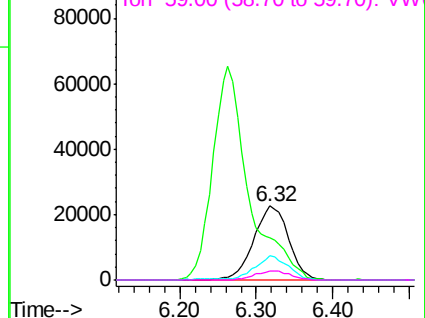


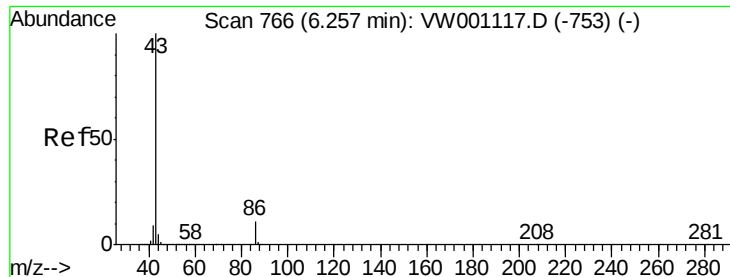
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 49.19 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

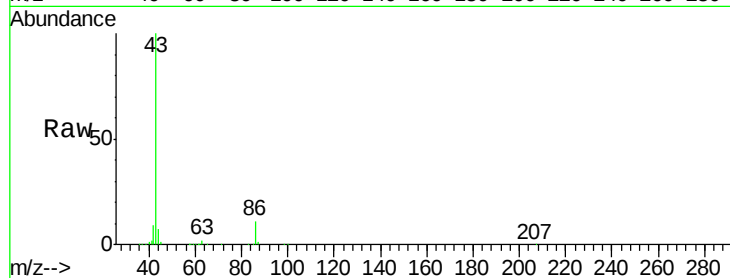
VSTDIC010

Tgt Ion: 43 Resp: 213372

Ion Ratio Lower Upper

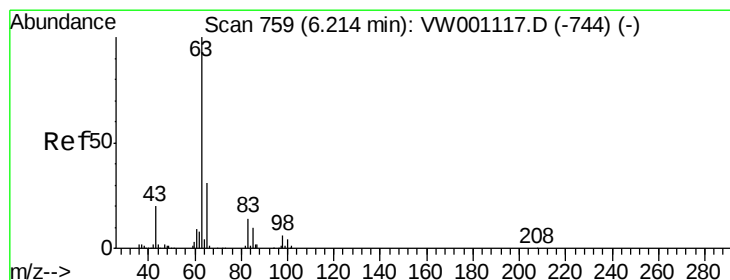
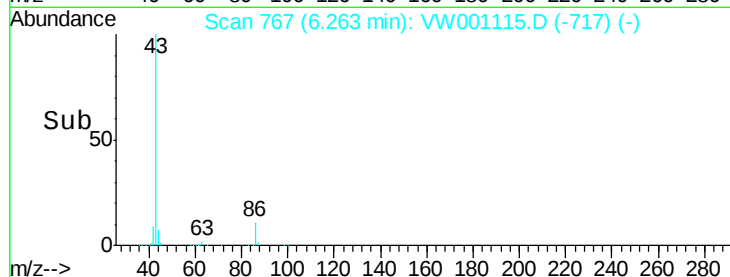
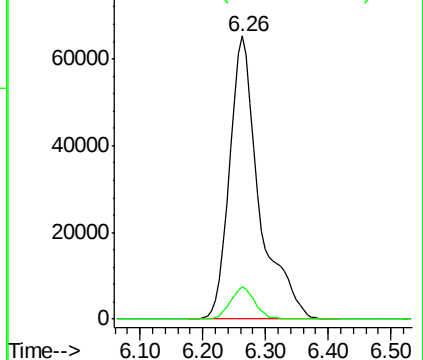
43 100

86 11.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 9.95 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

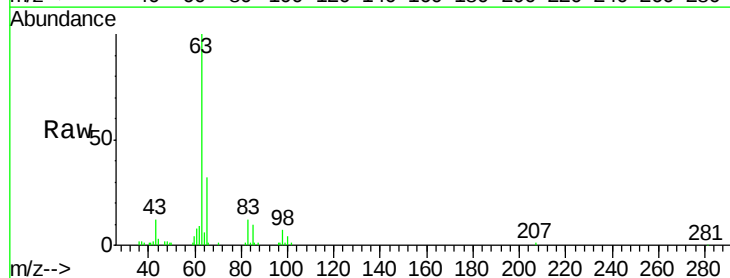
Tgt Ion: 63 Resp: 47025

Ion Ratio Lower Upper

63 100

98 7.3 3.0 9.2

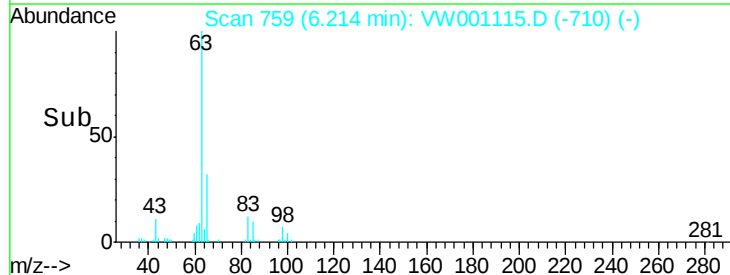
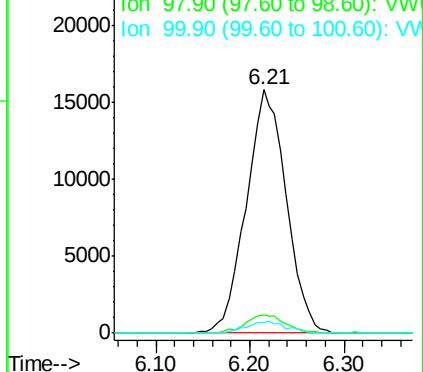
100 4.1 2.1 6.3

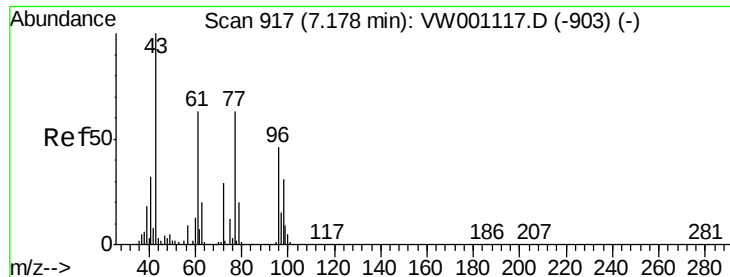


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 46.35 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

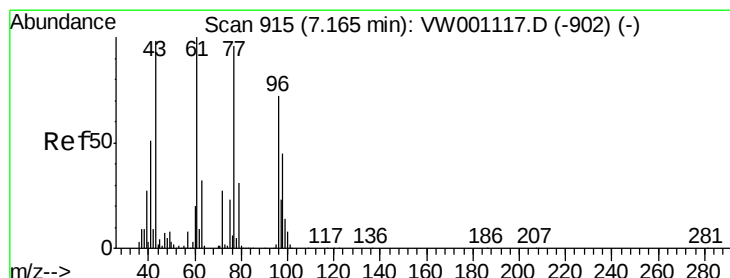
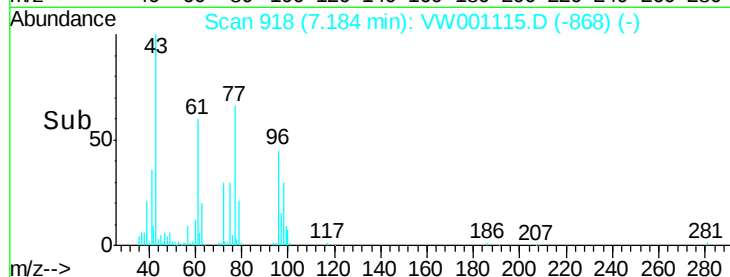
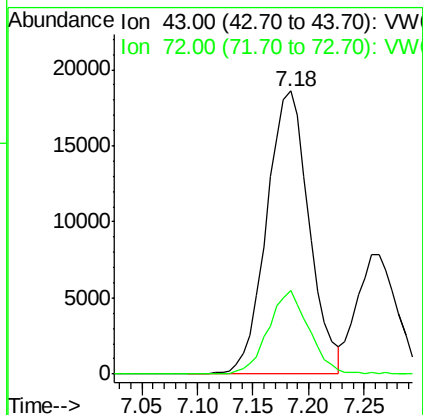
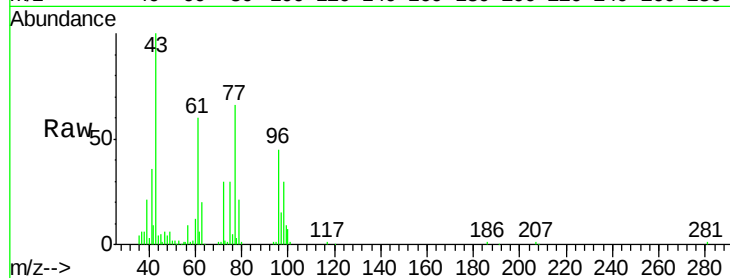
VSTDIC010

Tgt Ion: 43 Resp: 49427

Ion Ratio Lower Upper

43 100

72 29.6 22.8 34.2



#26

2,2-Dichloropropane

Concen: 10.12 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW001115.D

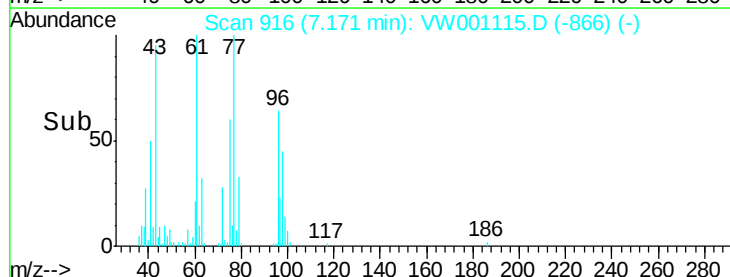
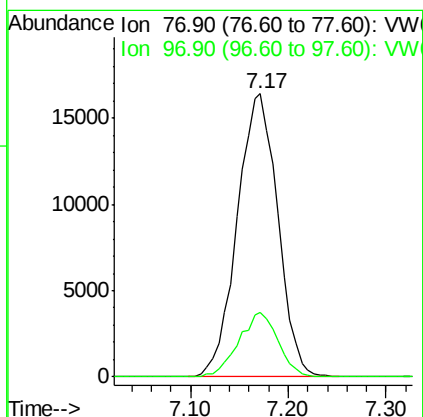
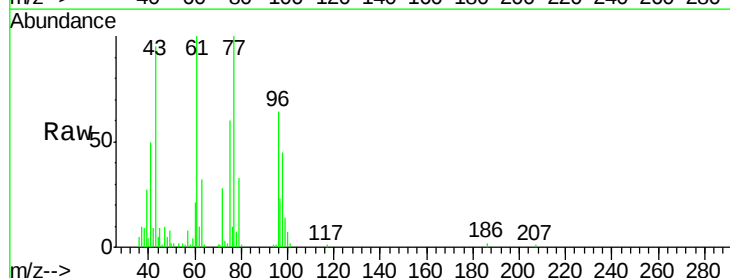
Acq: 29 Jan 2018 12:29

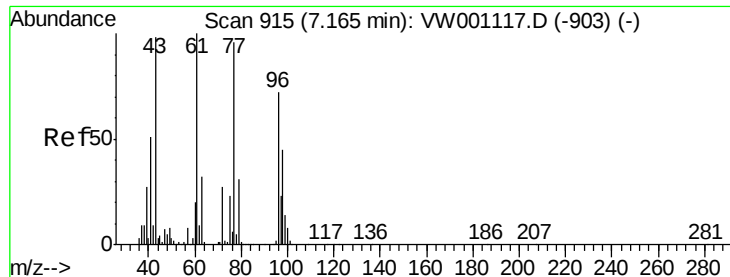
Tgt Ion: 77 Resp: 47286

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7

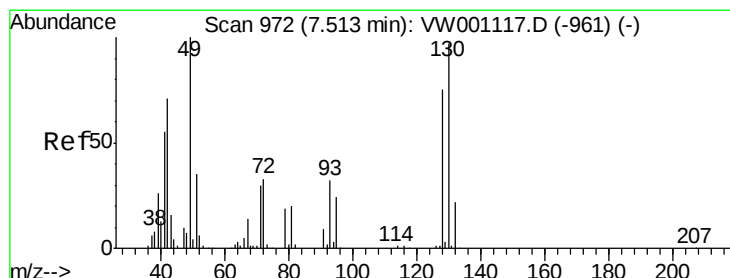
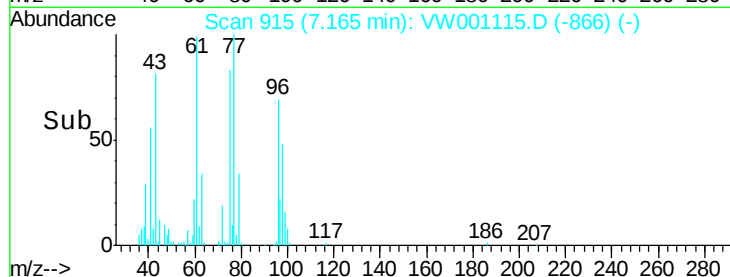
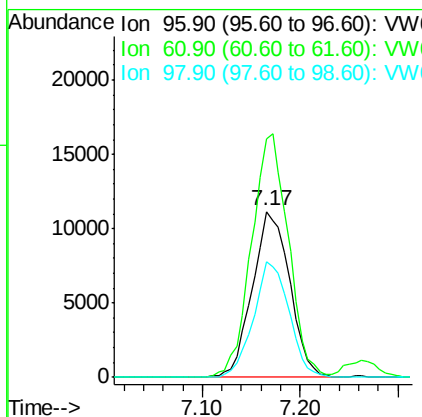
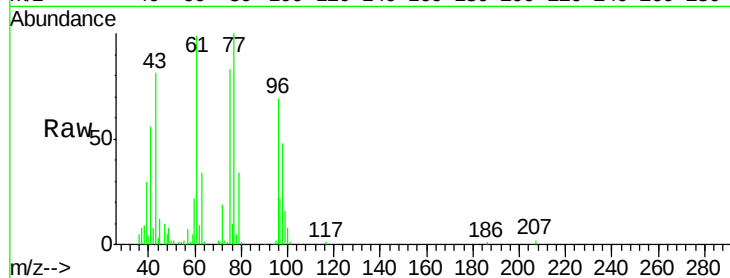




#27
 cis-1,2-Dichloroethene
 Concen: 9.84 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

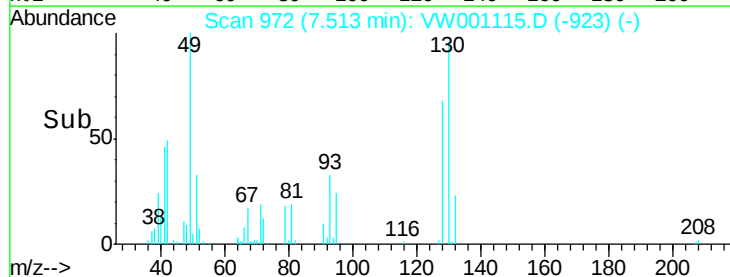
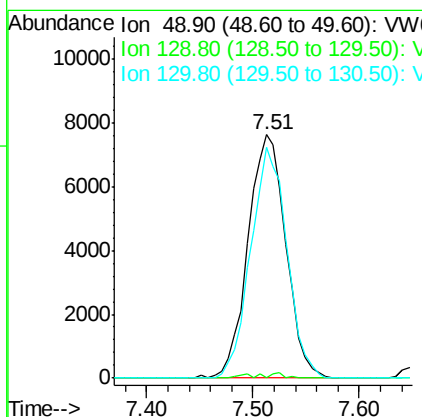
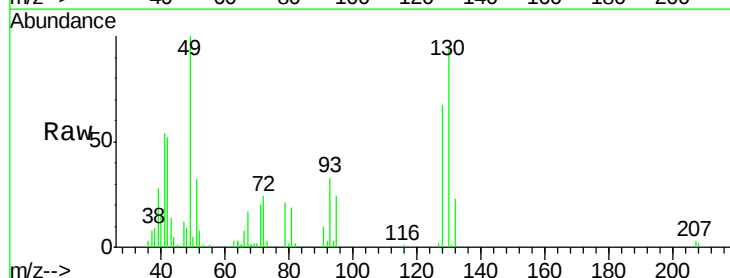
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

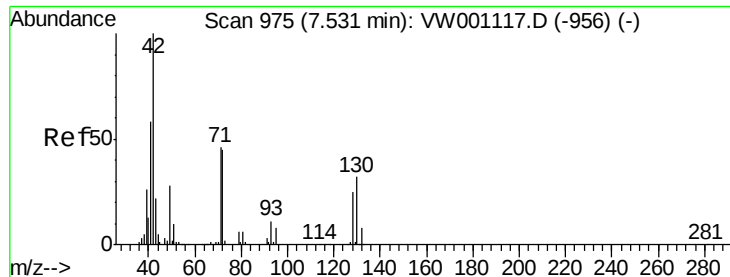
Tgt Ion: 96 Resp: 29661
 Ion Ratio Lower Upper
 96 100
 61 143.9 0.0 280.4
 98 66.0 0.0 129.6



#28
 Bromochloromethane
 Concen: 9.91 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion: 49 Resp: 19024
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 2.6
 130 90.8 75.5 113.3

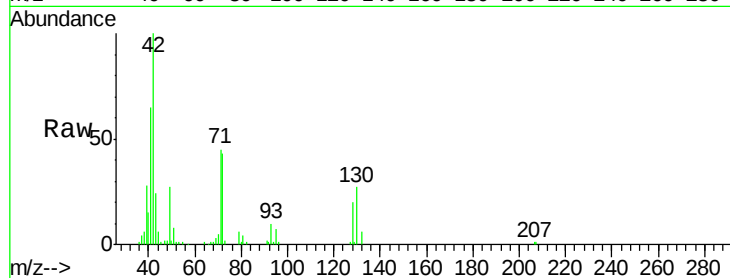




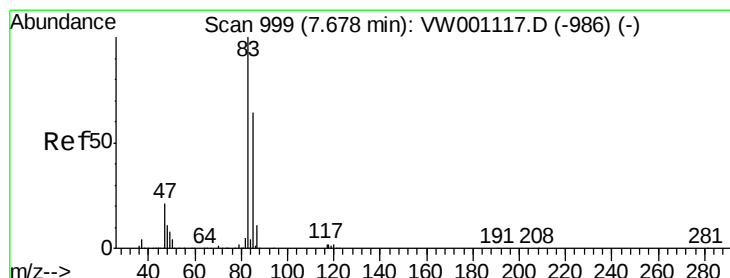
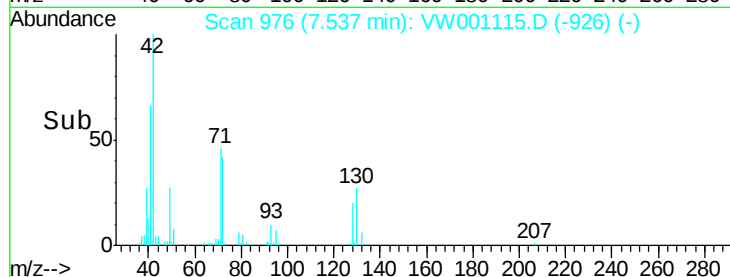
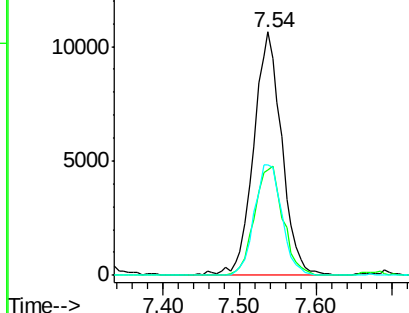
#29
Tetrahydrofuran
Concen: 44.95 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 27373
Ion Ratio Lower Upper
42 100
72 45.2 36.8 55.2
71 44.3 35.1 52.7

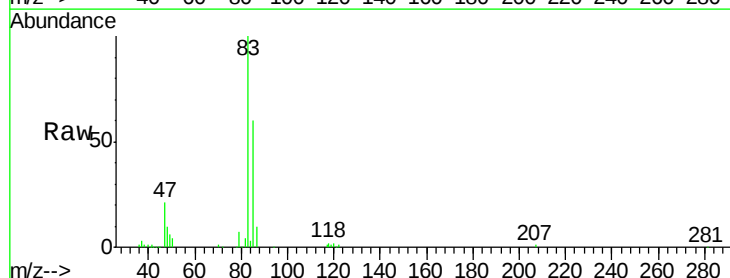


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

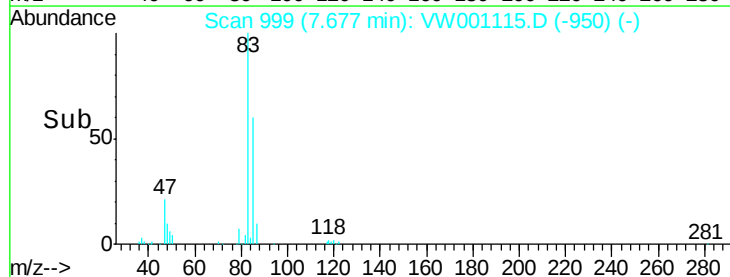
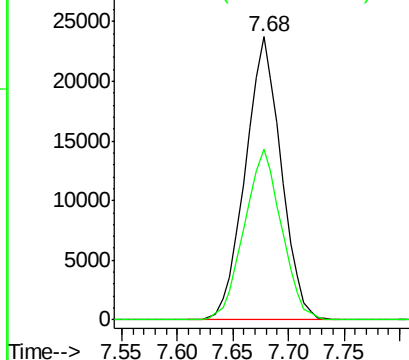


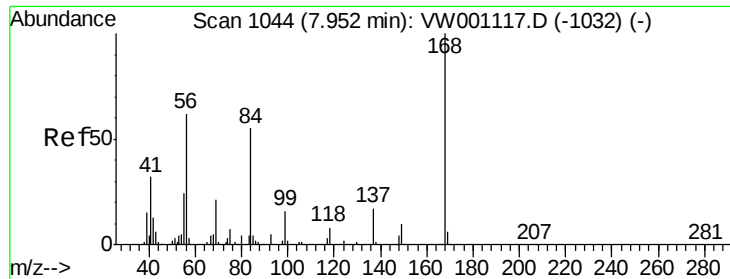
#30
Chloroform
Concen: 10.40 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 83 Resp: 53220
Ion Ratio Lower Upper
83 100
85 60.4 51.4 77.2



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





#31

Cyclohexane

Concen: 10.17 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

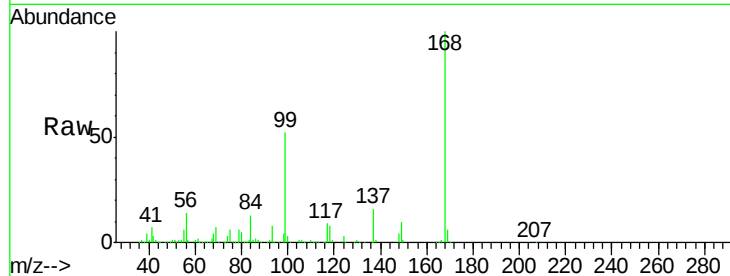
Tgt Ion: 56 Resp: 46635

Ion Ratio Lower Upper

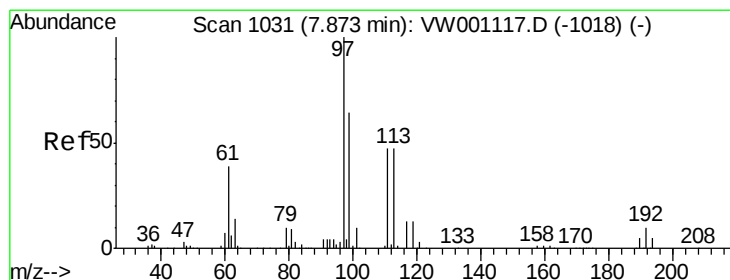
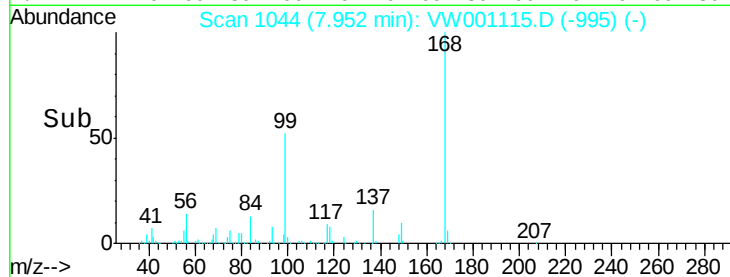
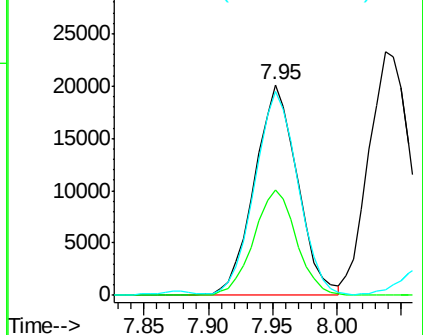
56 100

69 50.0 27.4 41.0#

84 95.6 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: 10.14 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

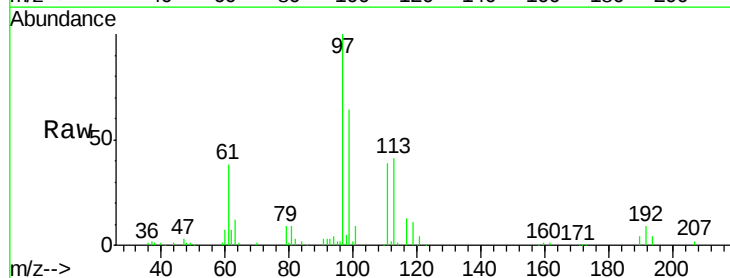
Tgt Ion: 97 Resp: 49126

Ion Ratio Lower Upper

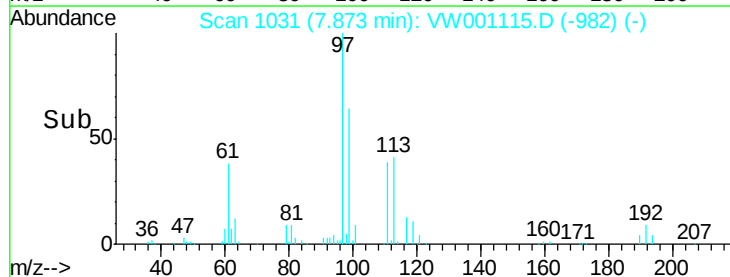
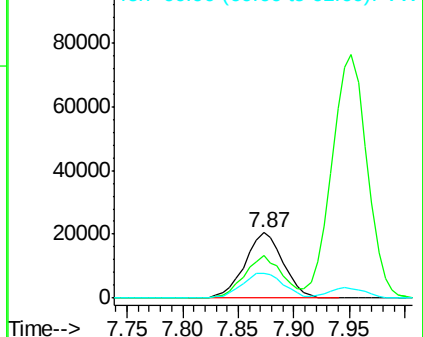
97 100

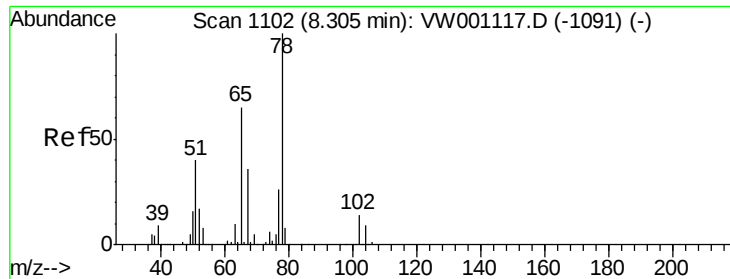
99 63.2 51.4 77.2

61 41.9 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

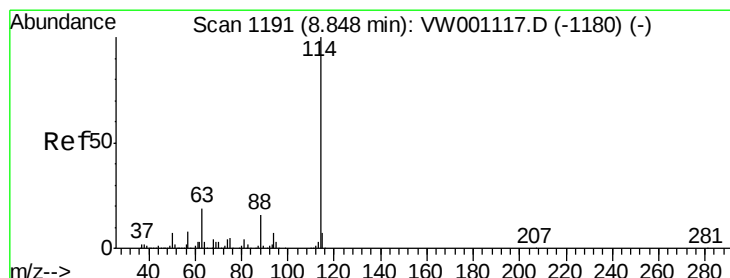
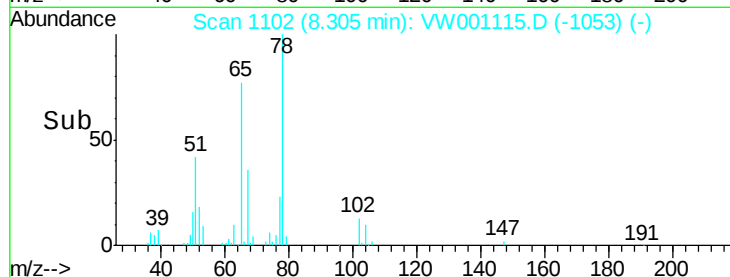
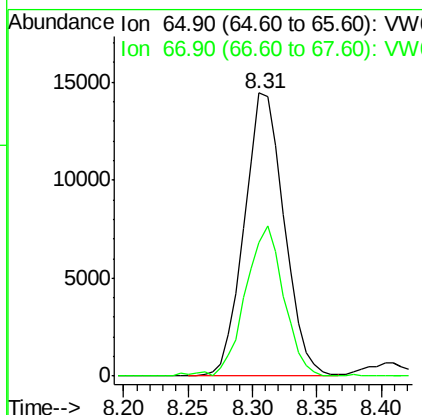
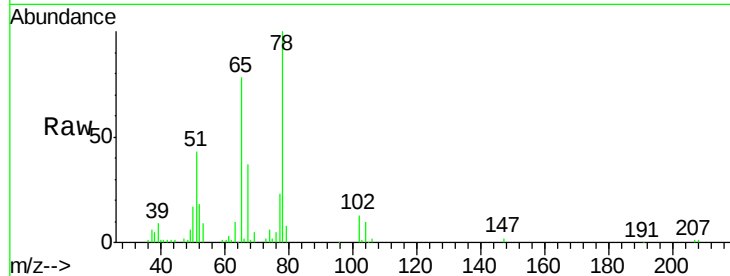




#33
 1,2-Dichloroethane-d4
 Concen: 10.02 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

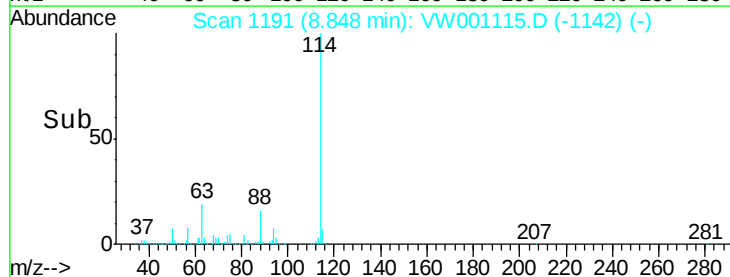
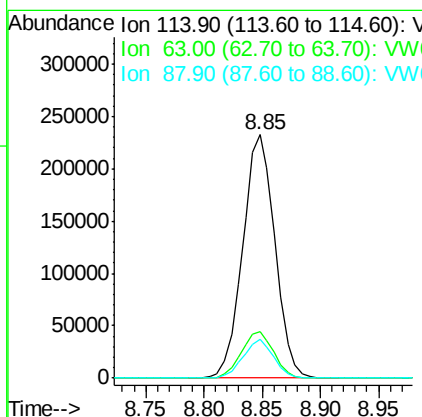
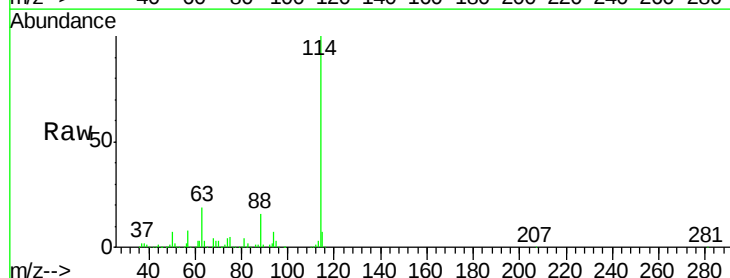
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

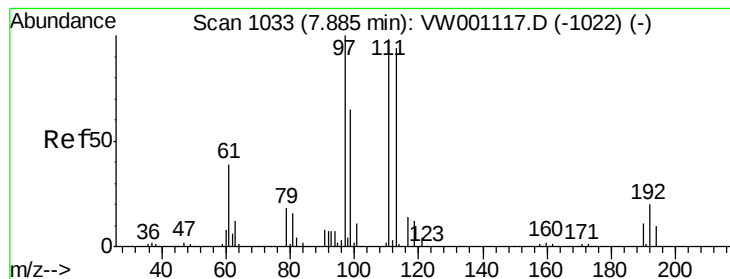
Tgt Ion: 65 Resp: 30950
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion: 114 Resp: 447830
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.2
 88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 10.29 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

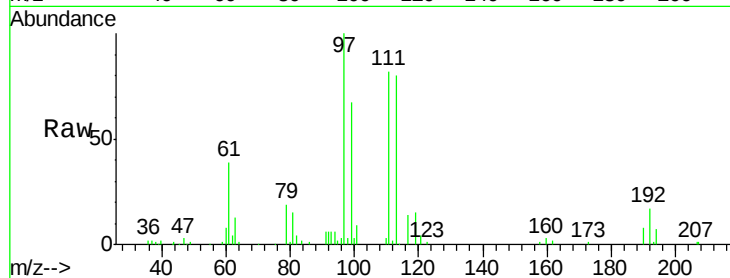
Tgt Ion:113 Resp: 29477

Ion Ratio Lower Upper

113 100

111 99.7 83.1 124.7

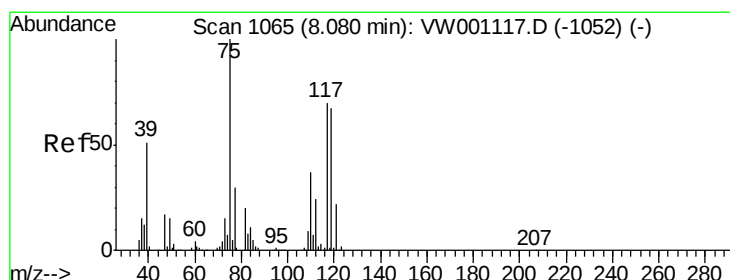
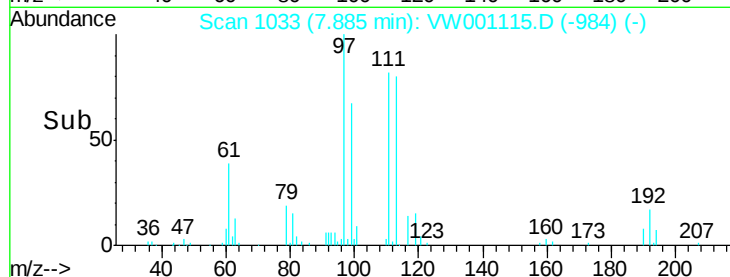
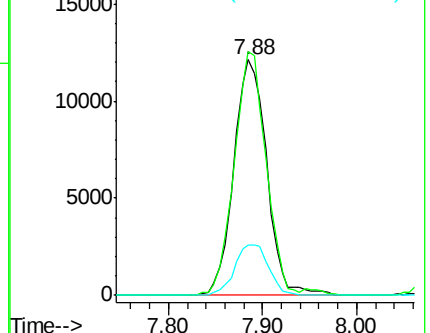
192 22.1 17.8 26.6



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: 10.01 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

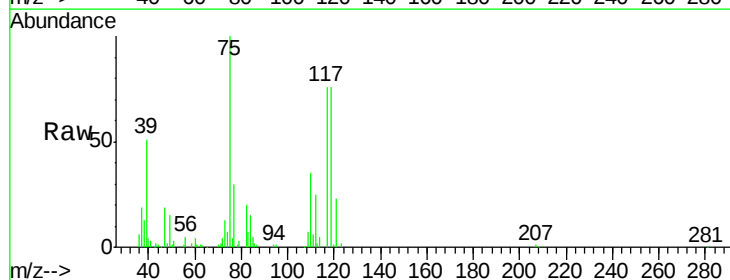
Tgt Ion: 75 Resp: 40461

Ion Ratio Lower Upper

75 100

110 37.8 18.7 56.1

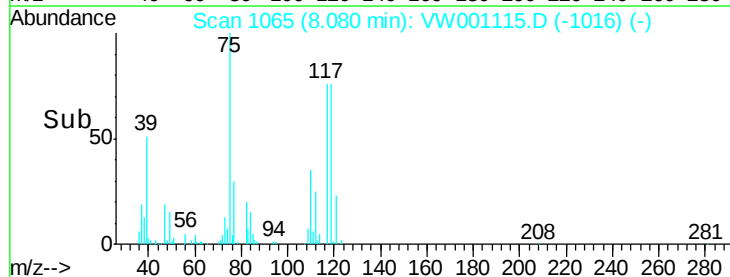
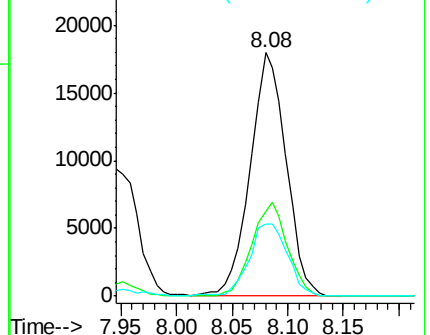
77 32.0 24.6 37.0

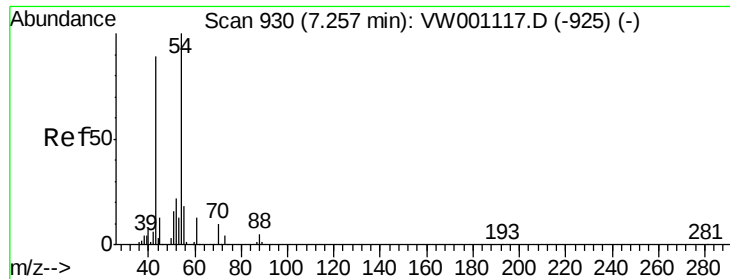


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

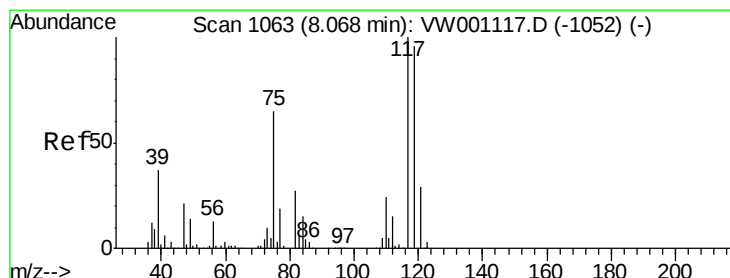
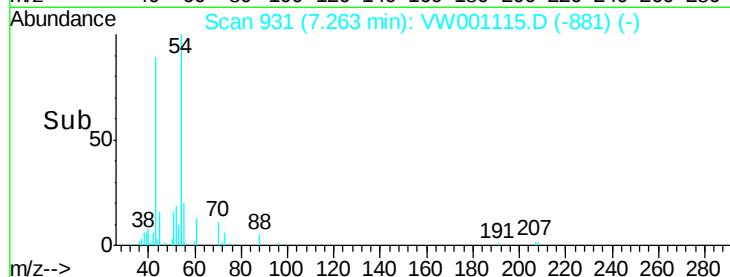
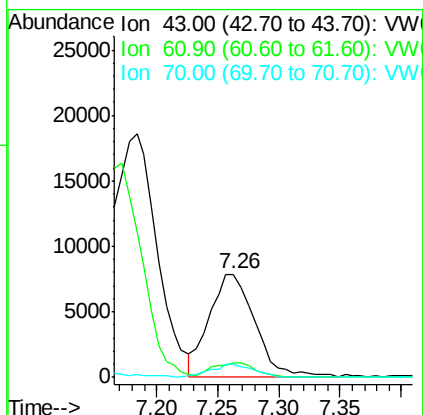
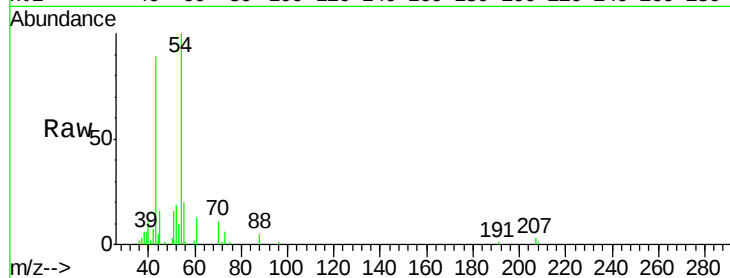




#37
Ethyl Acetate
Concen: 9.42 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

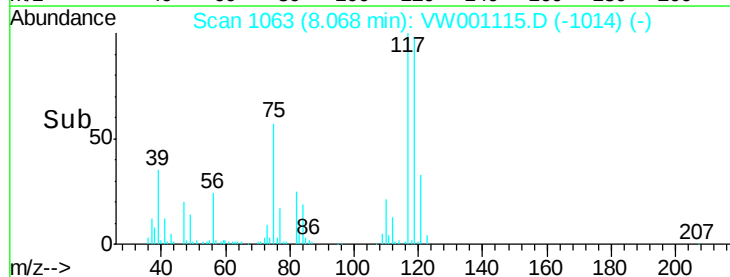
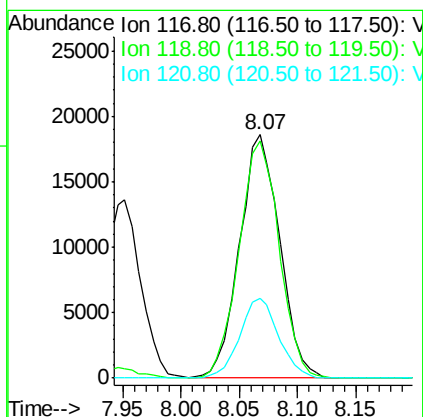
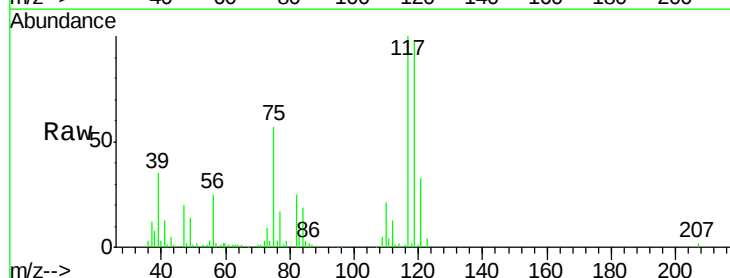
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

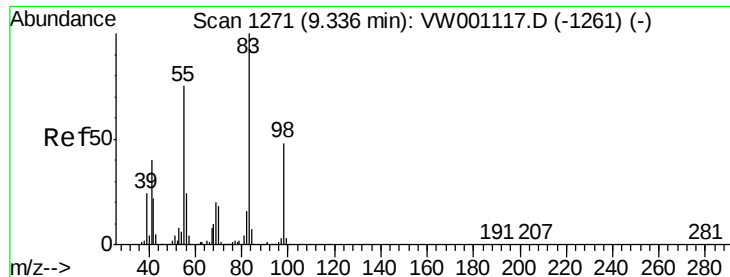
Tgt Ion: 43 Resp: 20129
Ion Ratio Lower Upper
43 100
61 13.4 11.9 17.9
70 12.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 9.92 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 117 Resp: 44780
Ion Ratio Lower Upper
117 100
119 97.6 77.0 115.4
121 32.7 23.5 35.3





#39

Methylcyclohexane

Concen: 9.20 ug/l

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

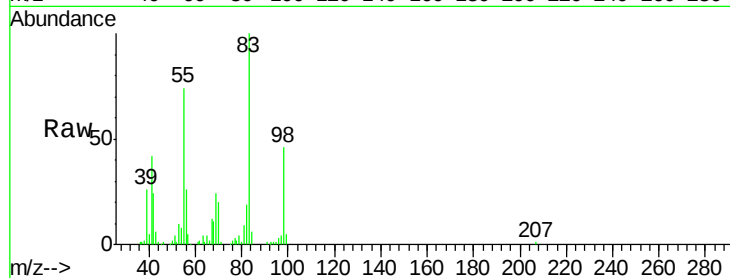
Tgt Ion: 83 Resp: 43901

Ion Ratio Lower Upper

83 100

55 74.3 59.7 89.5

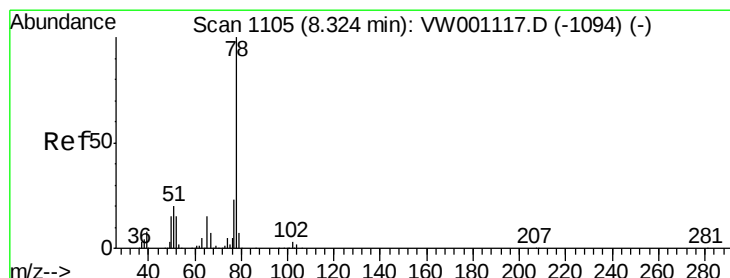
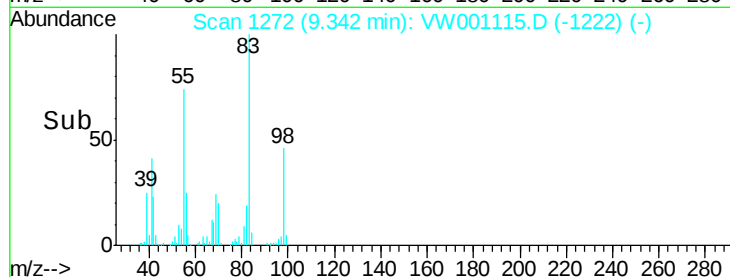
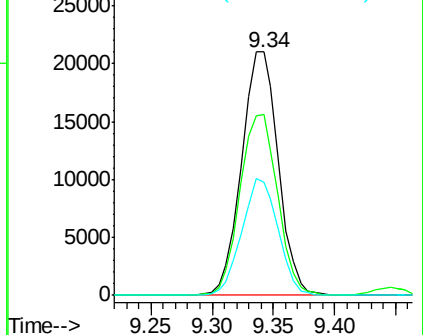
98 46.4 38.0 57.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 10.11 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW001115.D

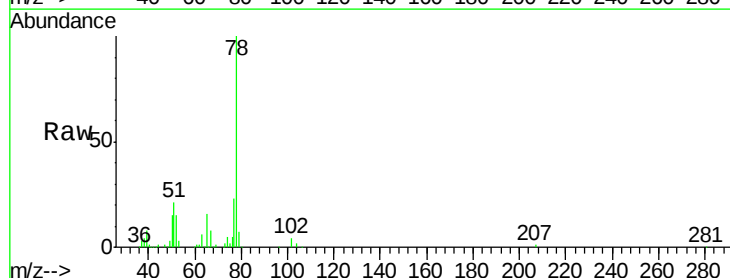
Acq: 29 Jan 2018 12:29

Tgt Ion: 78 Resp: 113206

Ion Ratio Lower Upper

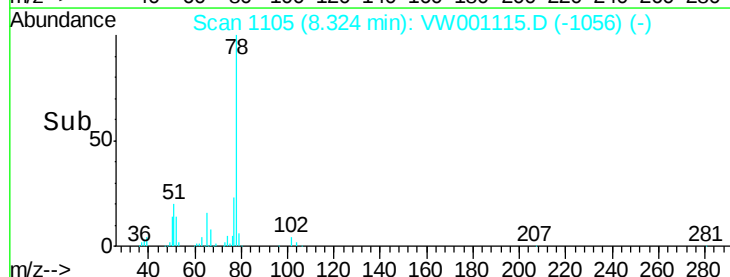
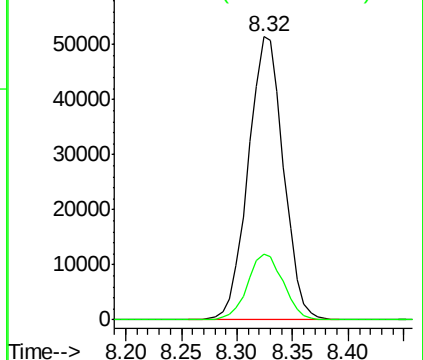
78 100

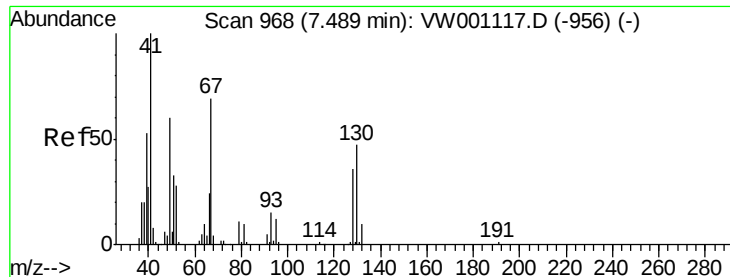
77 23.4 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 8.92 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 41 Resp: 10581

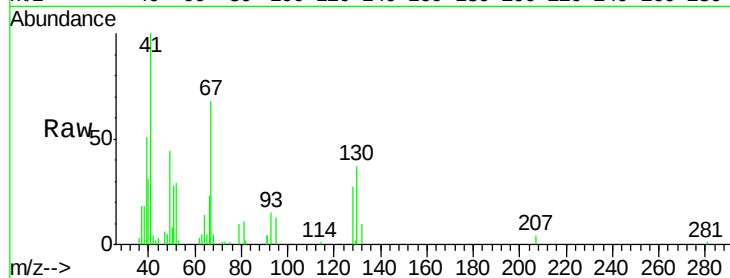
Ion Ratio Lower Upper

41 100

39 73.3 48.8 73.2#

67 82.1 59.6 89.4

52 34.7 24.6 37.0



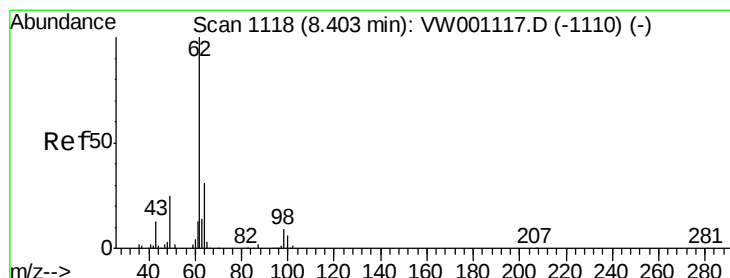
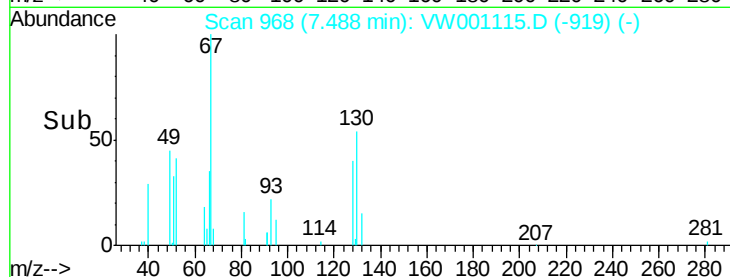
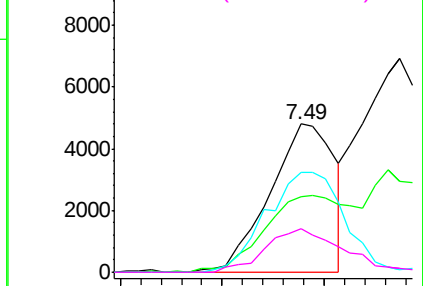
Abundance

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: 10.16 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW001115.D

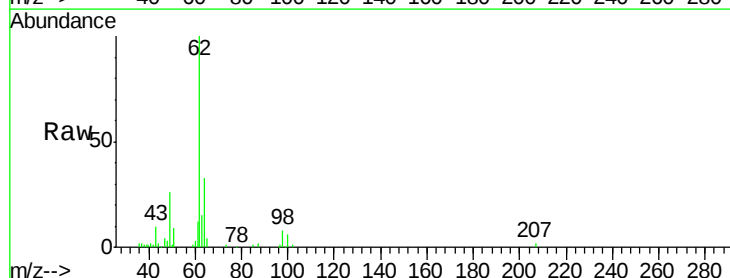
Acq: 29 Jan 2018 12:29

Tgt Ion: 62 Resp: 35770

Ion Ratio Lower Upper

62 100

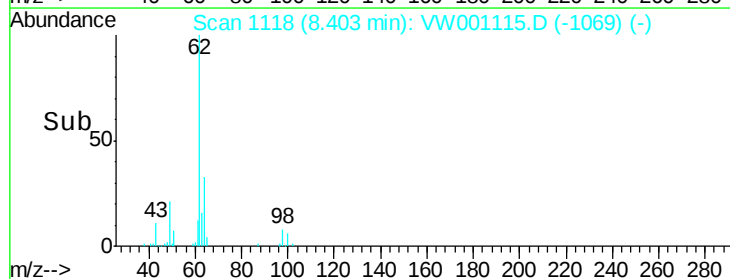
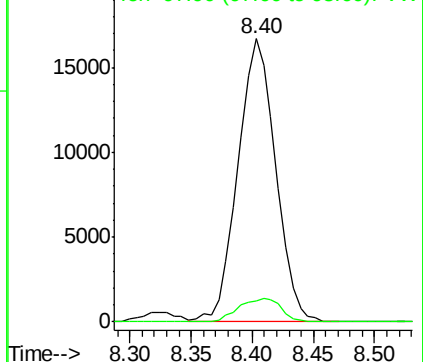
98 9.3 0.0 18.8

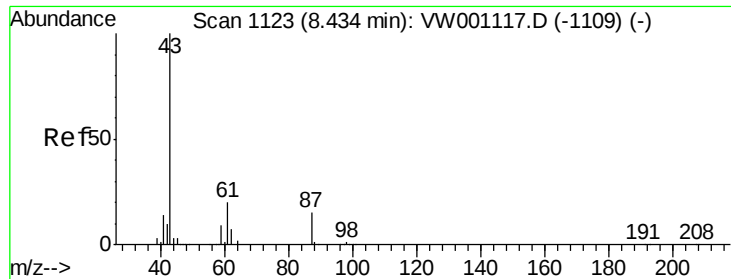


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.42 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

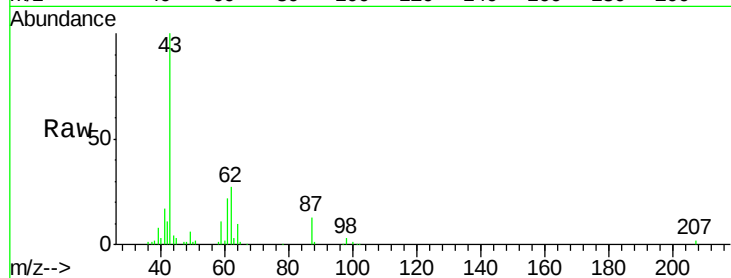
Tgt Ion: 43 Resp: 34646

Ion Ratio Lower Upper

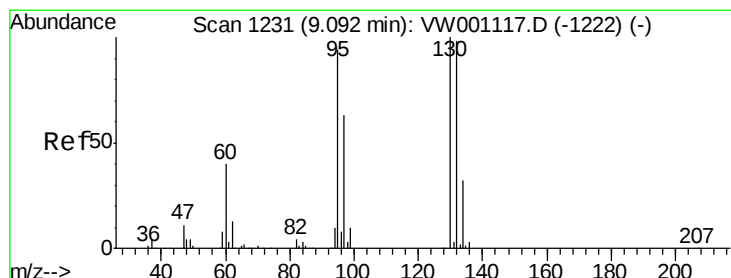
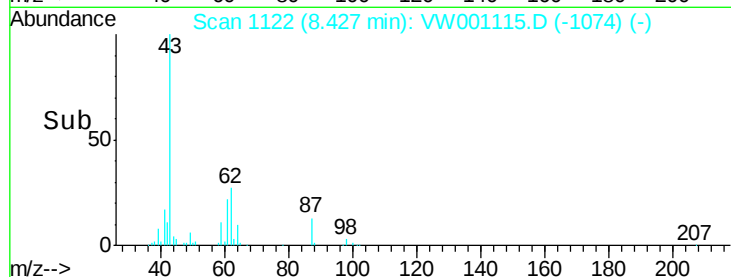
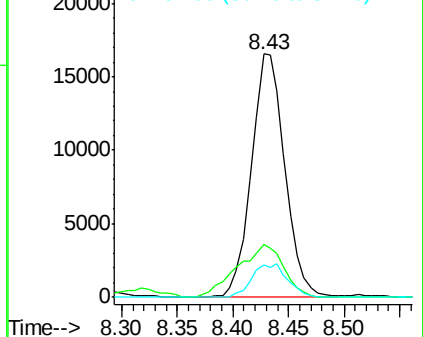
43 100

61 30.1 23.9 35.9

87 14.5 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 9.92 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW001115.D

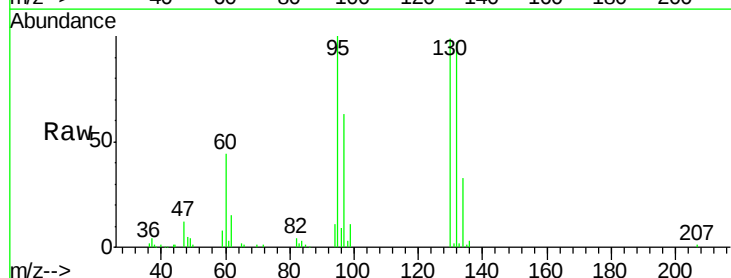
Acq: 29 Jan 2018 12:29

Tgt Ion: 130 Resp: 33326

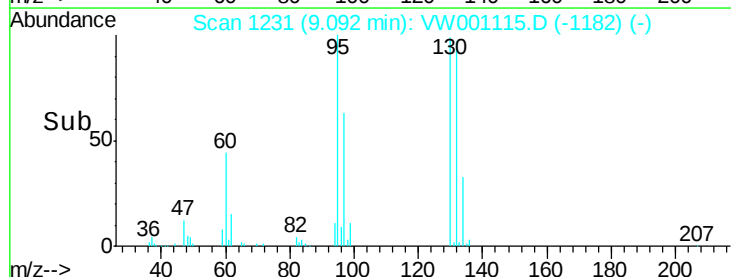
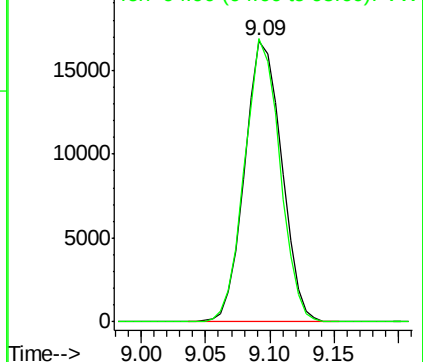
Ion Ratio Lower Upper

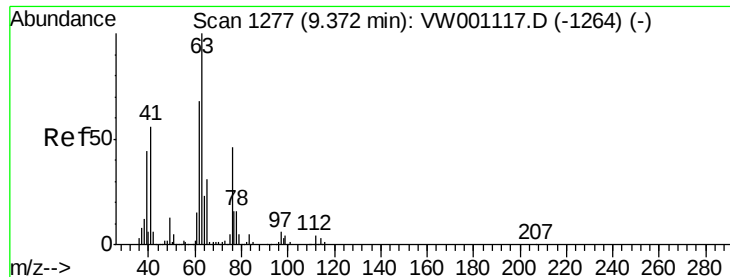
130 100

95 100.7 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 10.13 ug/l

RT: 9.38 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

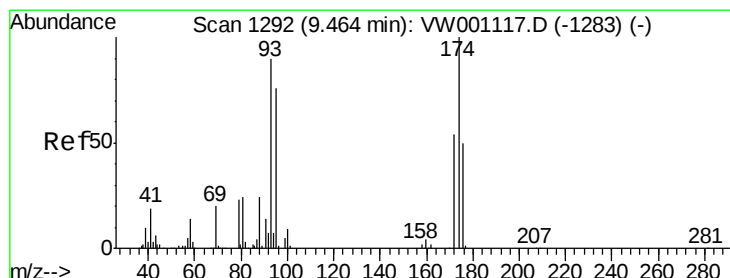
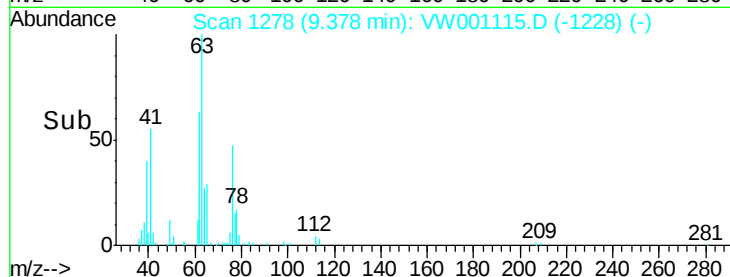
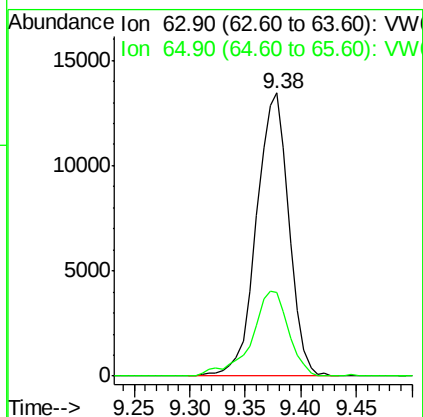
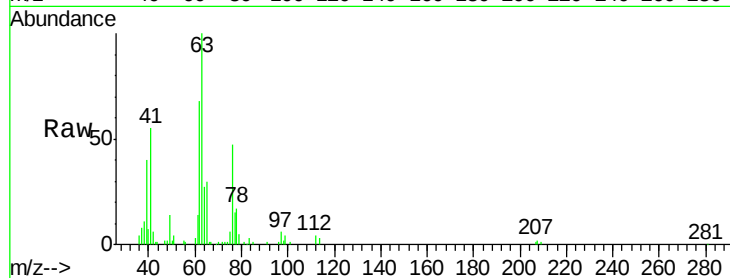
VSTDIC010

Tgt Ion: 63 Resp: 27296

Ion Ratio Lower Upper

63 100

65 29.7 25.0 37.4



#46

Dibromomethane

Concen: 9.88 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

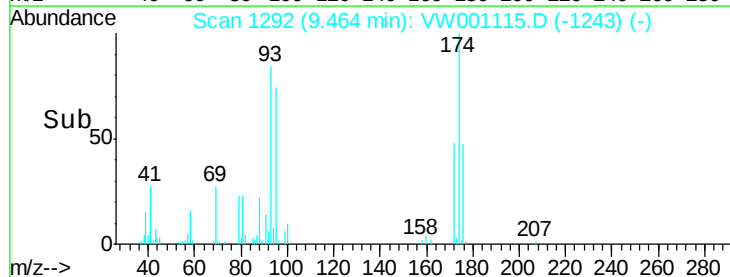
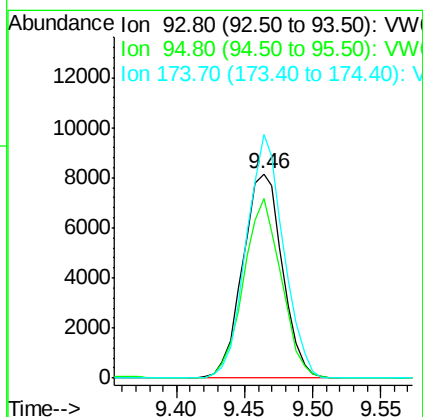
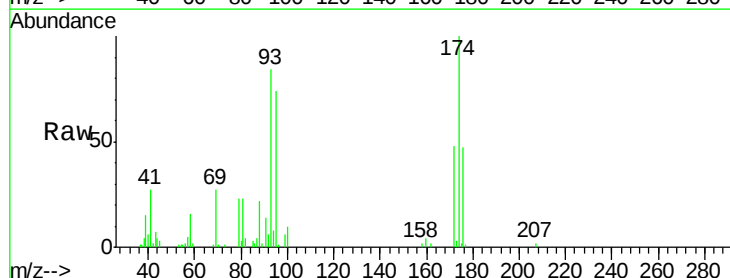
Tgt Ion: 93 Resp: 16657

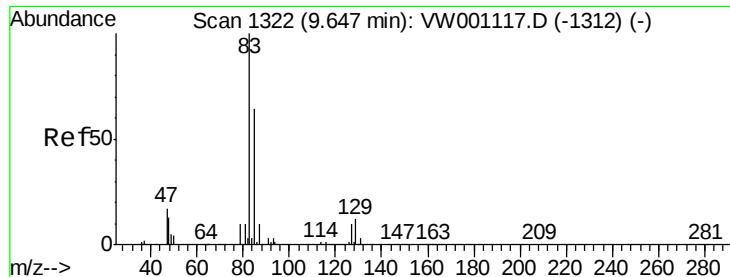
Ion Ratio Lower Upper

93 100

95 83.1 66.5 99.7

174 111.8 89.5 134.3





#47

Bromodichloromethane

Concen: 9.84 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

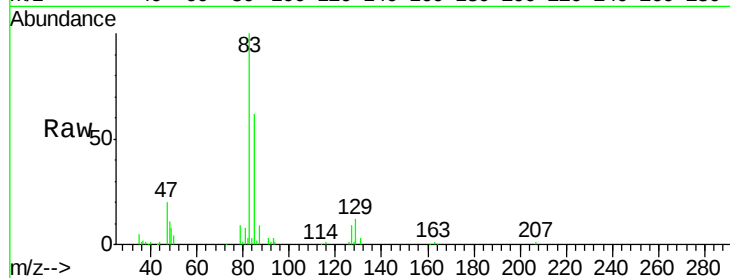
Tgt Ion: 83 Resp: 37524

Ion Ratio Lower Upper

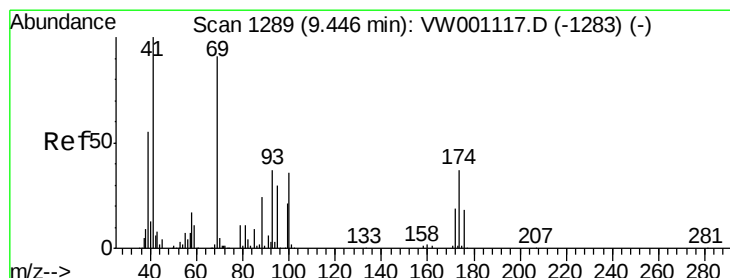
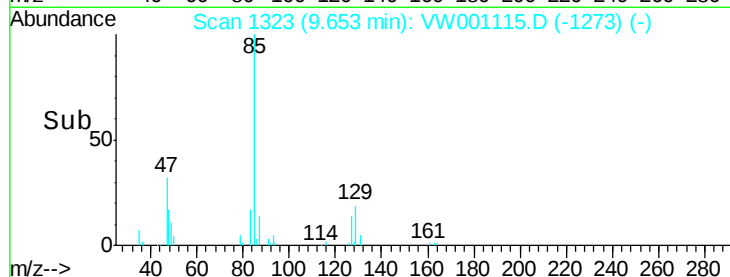
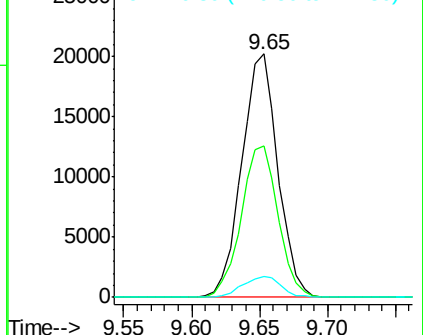
83 100

85 62.1 51.5 77.3

127 8.6 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 9.03 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

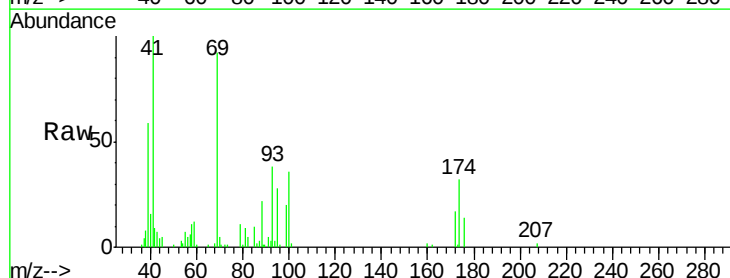
Tgt Ion: 41 Resp: 15873

Ion Ratio Lower Upper

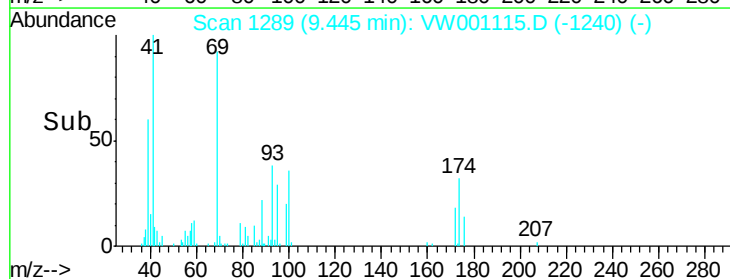
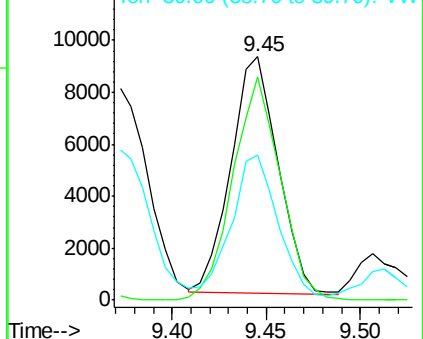
41 100

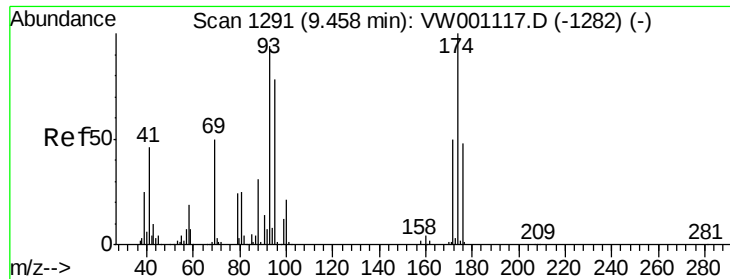
69 94.5 74.9 112.3

39 62.3 47.6 71.4



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 183.64 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

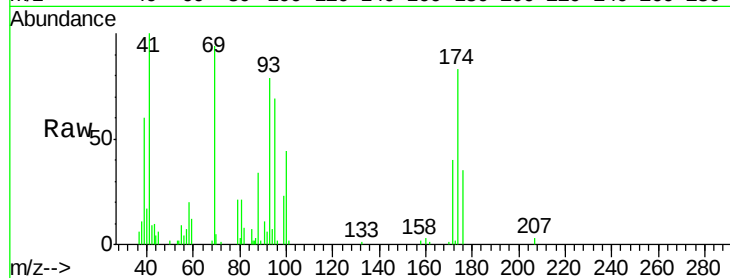
Tgt Ion: 88 Resp: 5516

Ion Ratio Lower Upper

88 100

43 36.3 23.0 34.6#

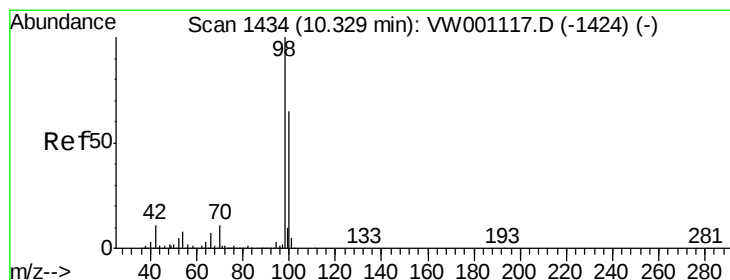
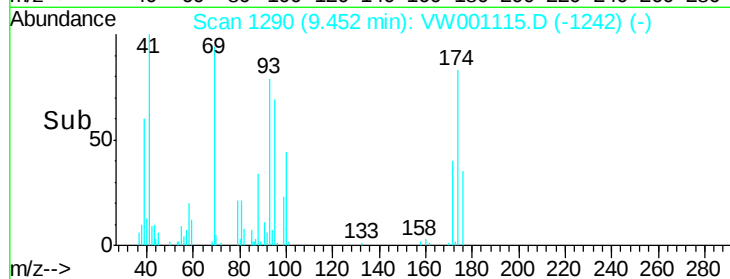
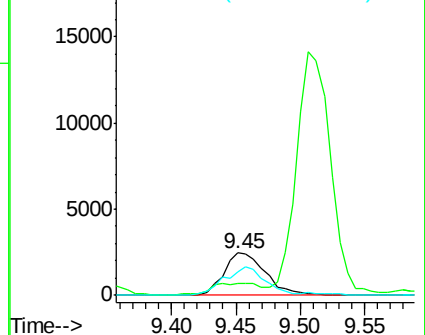
58 66.0 53.9 80.9



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: 10.09 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW001115.D

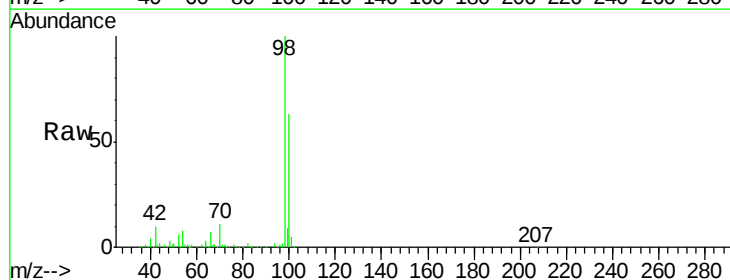
Acq: 29 Jan 2018 12:29

Tgt Ion: 98 Resp: 111246

Ion Ratio Lower Upper

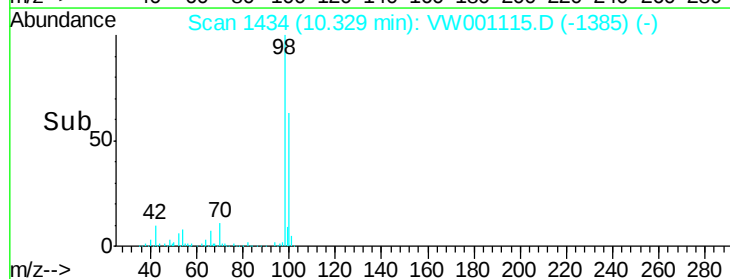
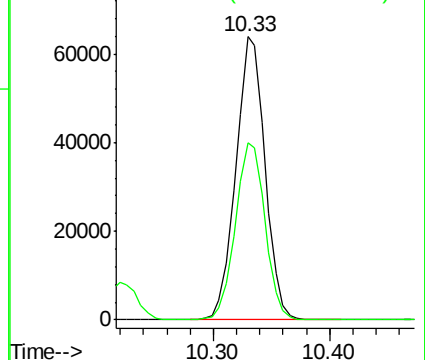
98 100

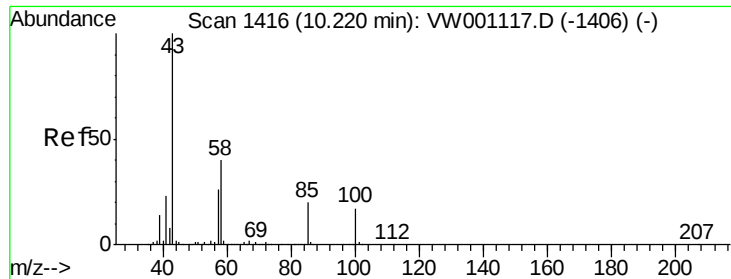
100 63.6 51.3 76.9



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: 46.14 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

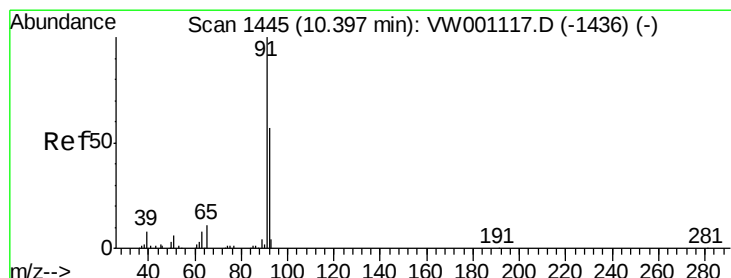
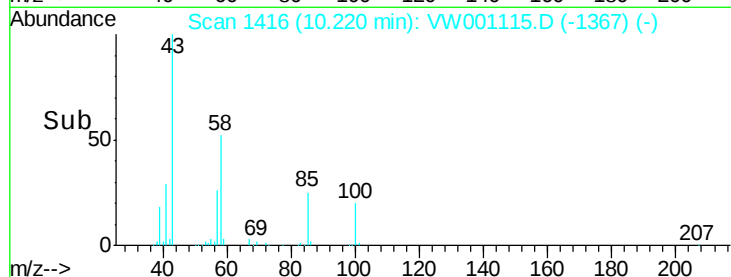
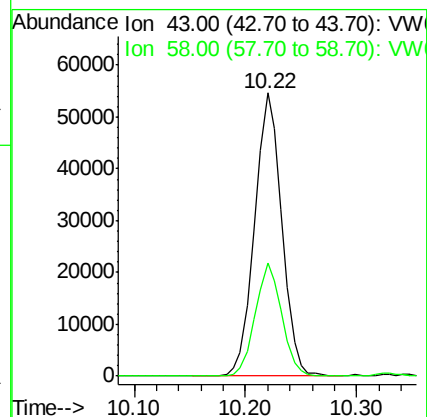
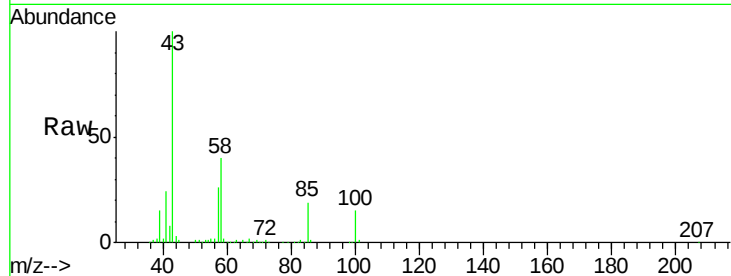
VSTDIC010

Tgt Ion: 43 Resp: 92710

Ion Ratio Lower Upper

43 100

58 38.9 32.1 48.1



#52

Toluene

Concen: 9.99 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW001115.D

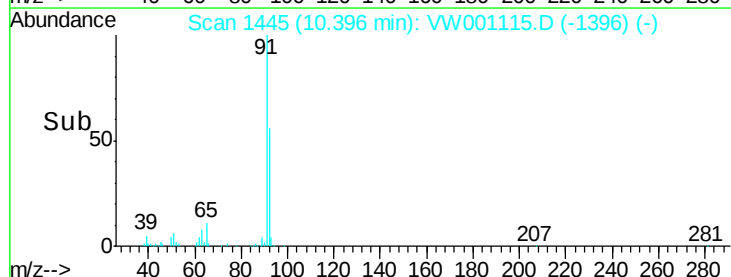
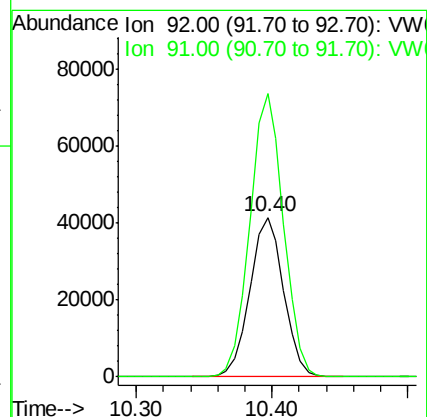
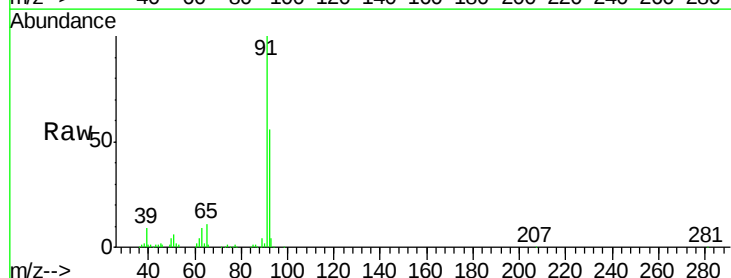
Acq: 29 Jan 2018 12:29

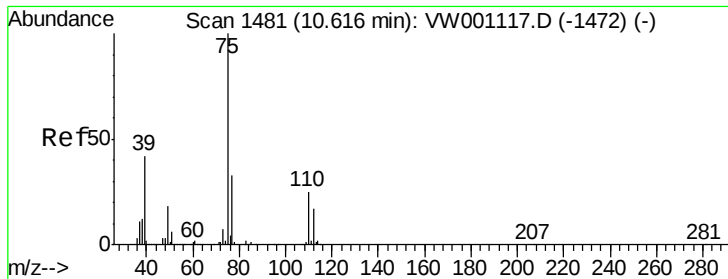
Tgt Ion: 92 Resp: 71829

Ion Ratio Lower Upper

92 100

91 176.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 9.54 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

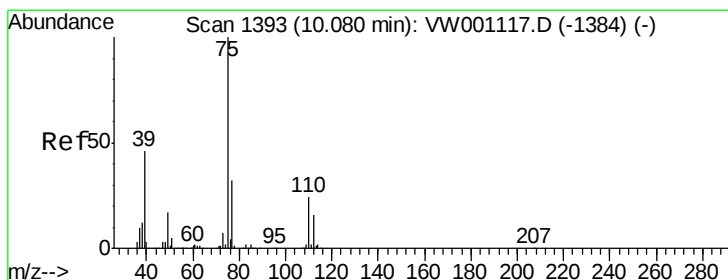
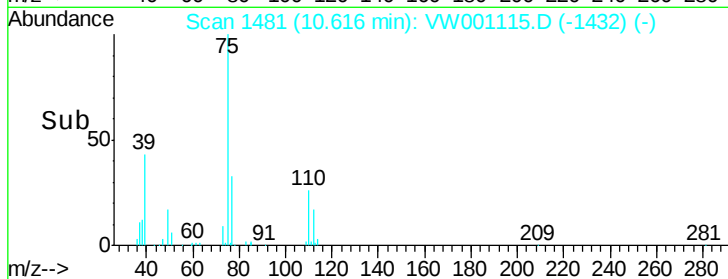
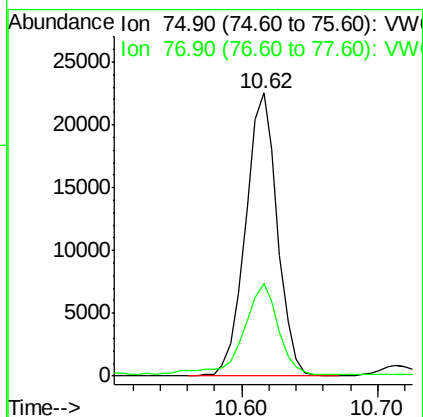
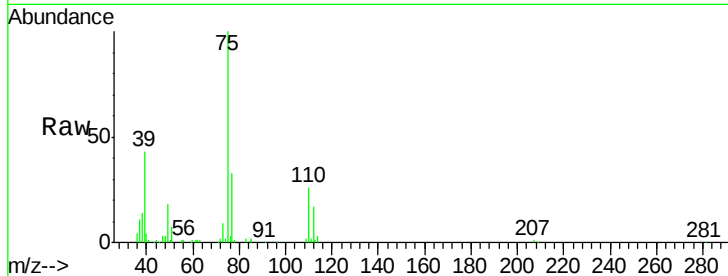
VSTDIC010

Tgt Ion: 75 Resp: 36701

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 9.83 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

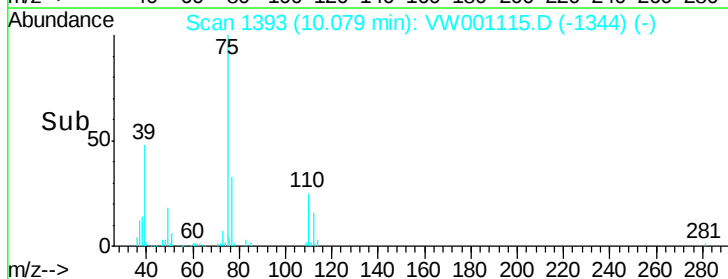
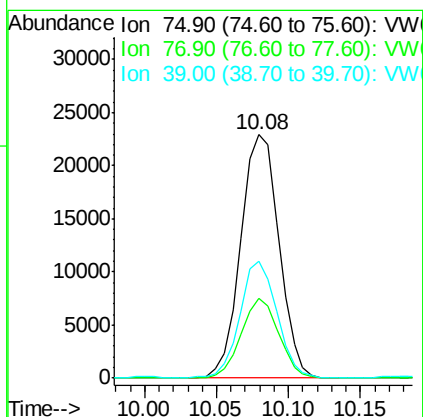
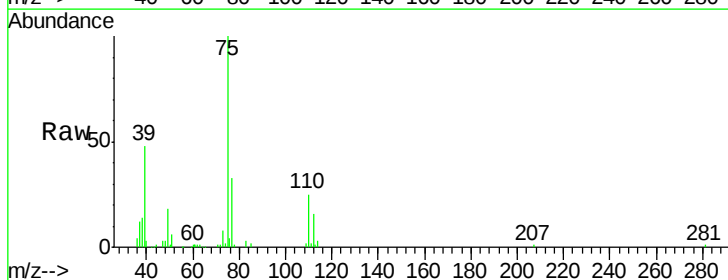
Tgt Ion: 75 Resp: 42241

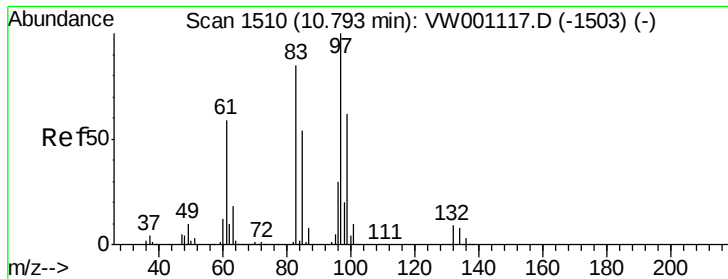
Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3

39 48.0 37.0 55.4

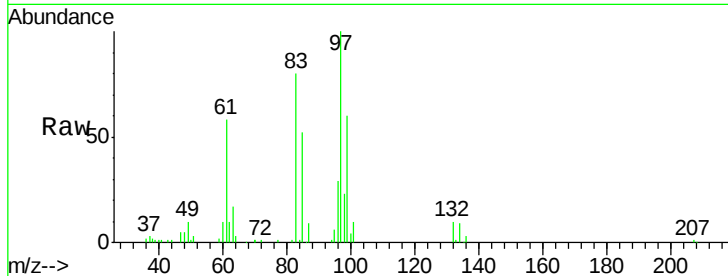




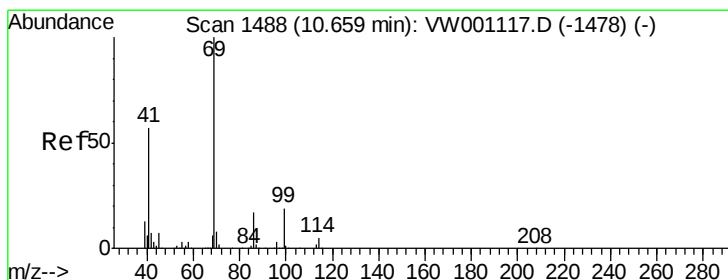
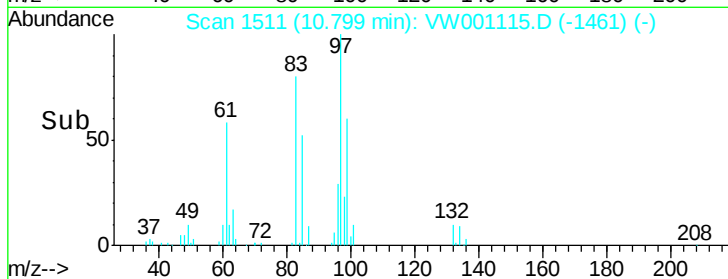
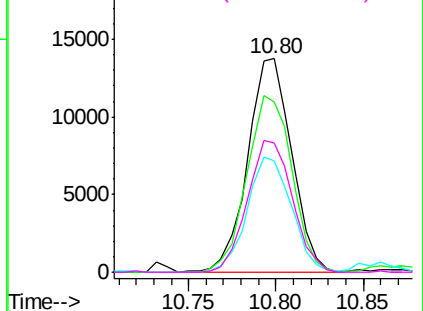
#55
 1,1,2-Trichloroethane
 Concen: 10.01 ug/l
 RT: 10.80 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 97 Resp: 24044
 Ion Ratio Lower Upper
 97 100
 83 79.9 67.7 101.5
 85 52.4 43.0 64.6
 99 60.5 49.9 74.9

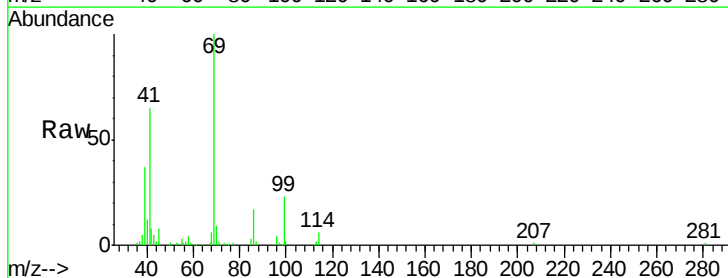


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

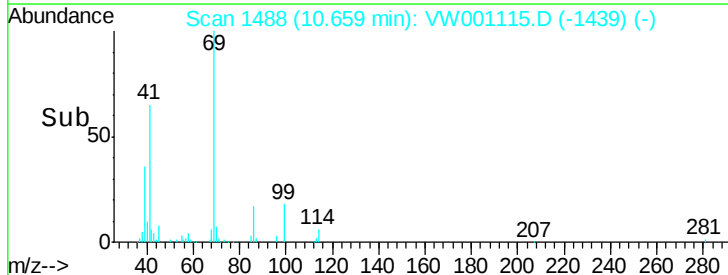
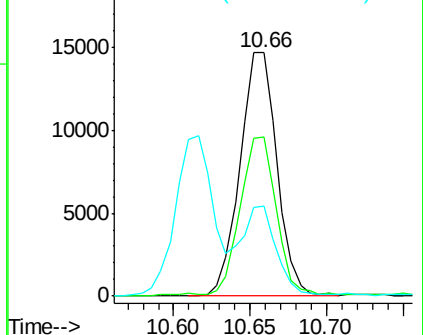


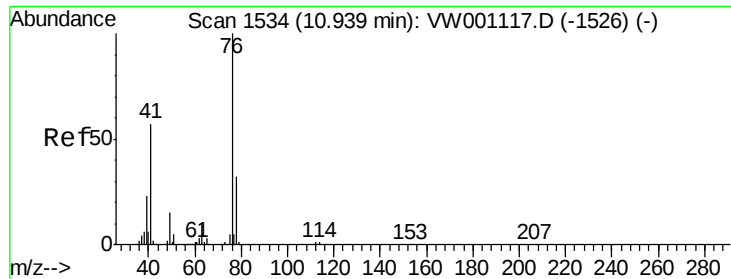
#56
 Ethyl methacrylate
 Concen: 8.77 ug/l
 RT: 10.66 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion: 69 Resp: 24702
 Ion Ratio Lower Upper
 69 100
 41 66.4 50.6 75.8
 39 34.1 27.5 41.3



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 9.83 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

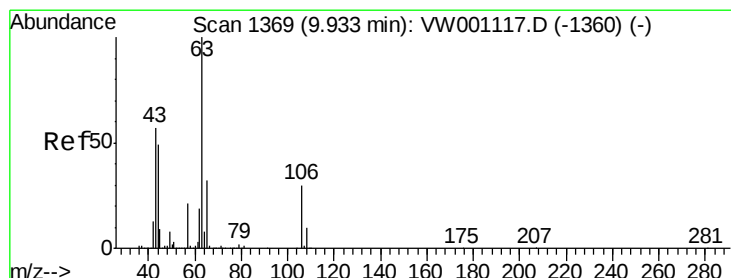
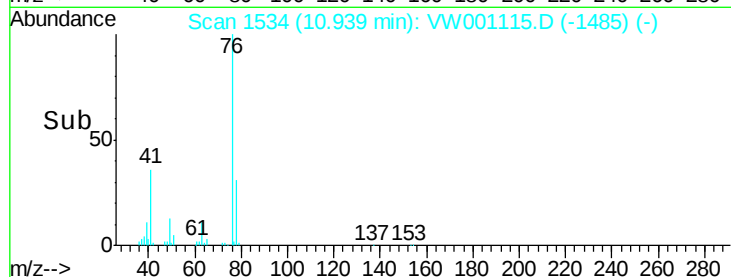
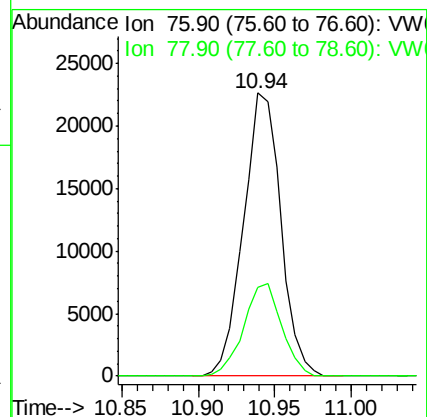
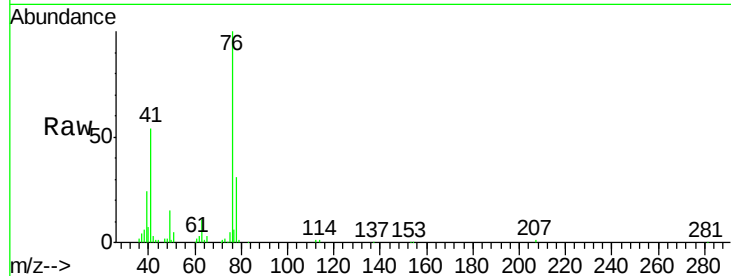
VSTDIC010

Tgt Ion: 76 Resp: 38396

Ion Ratio Lower Upper

76 100

78 33.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 52.58 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VW001115.D

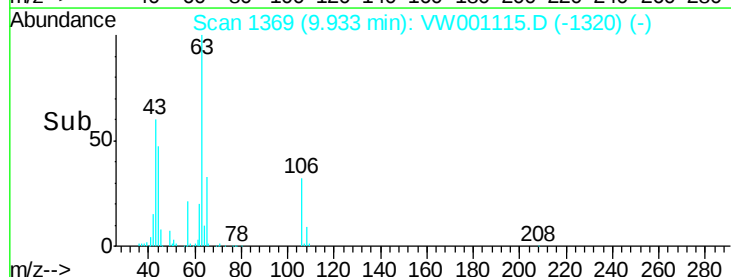
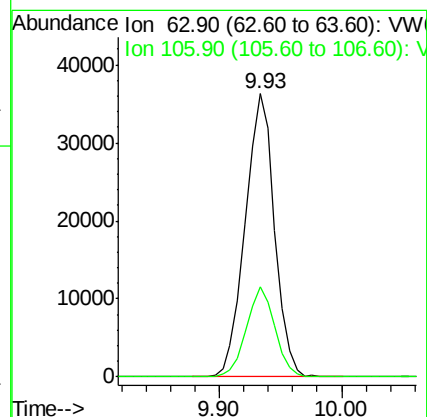
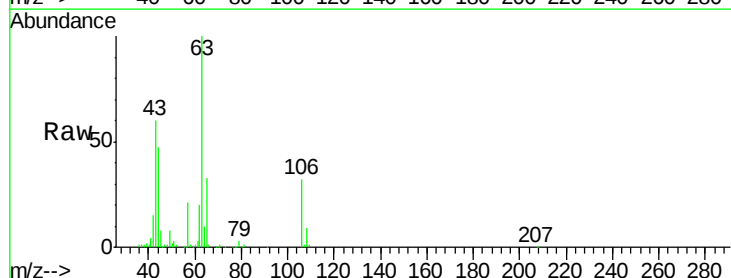
Acq: 29 Jan 2018 12:29

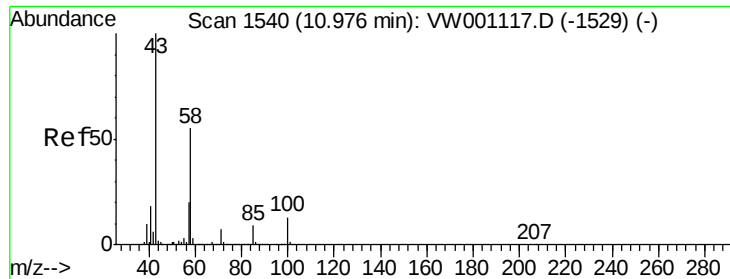
Tgt Ion: 63 Resp: 60276

Ion Ratio Lower Upper

63 100

106 30.9 24.2 36.4

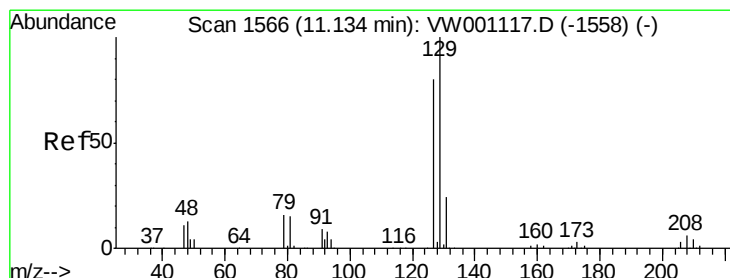
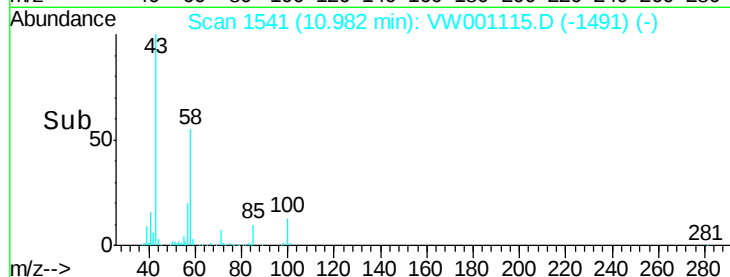
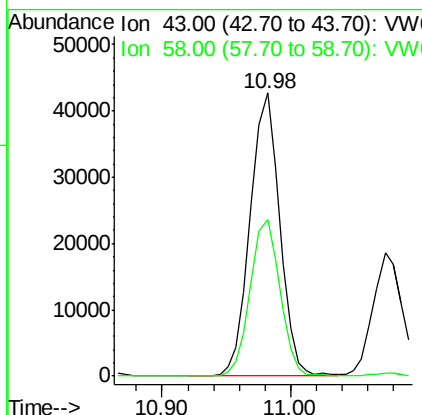
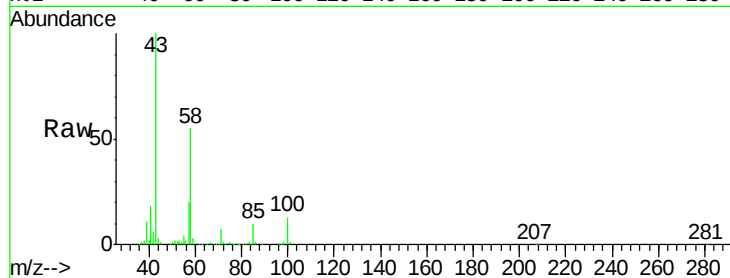




#59
2-Hexanone
Concen: 44.71 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

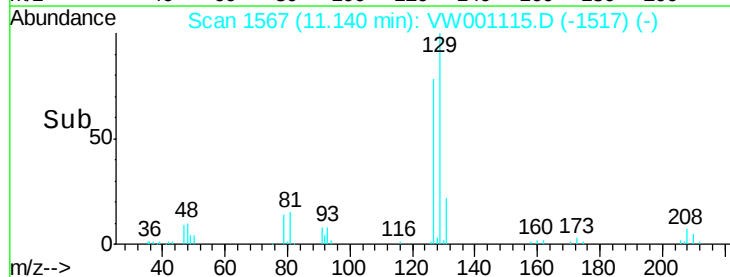
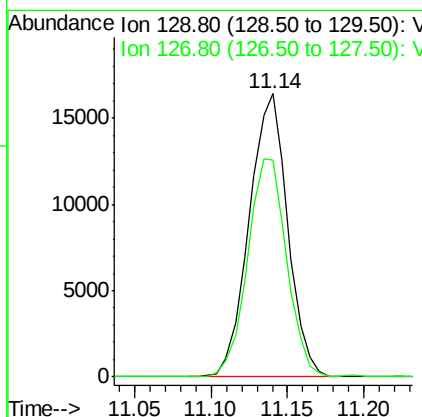
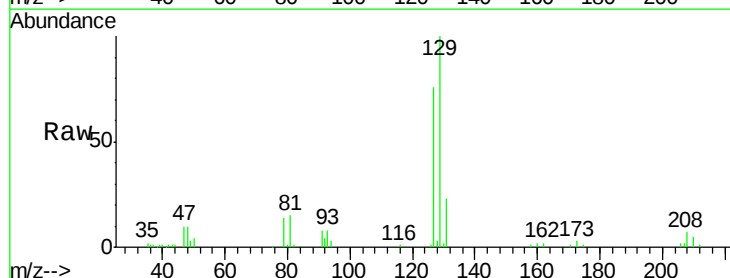
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

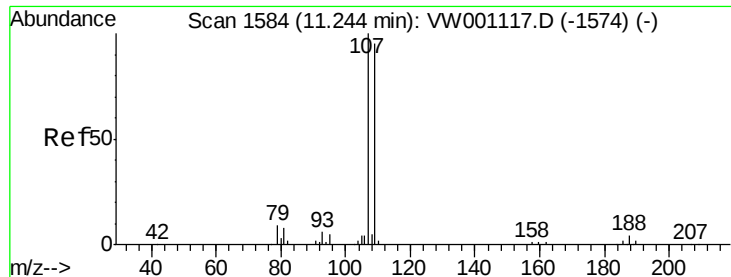
Tgt Ion: 43 Resp: 67967
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.0



#60
Dibromochloromethane
Concen: 9.79 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 129 Resp: 28680
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5

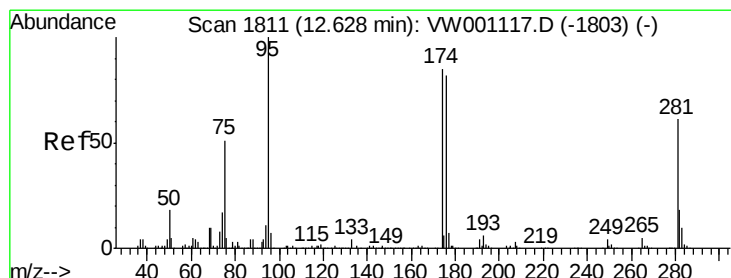
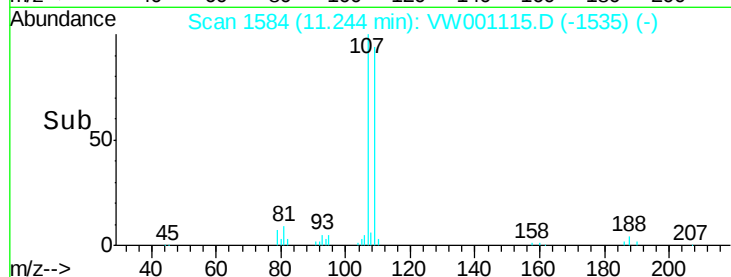
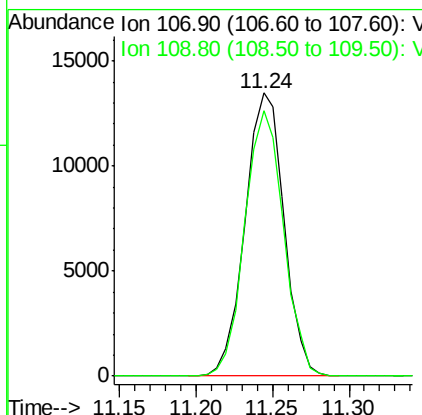
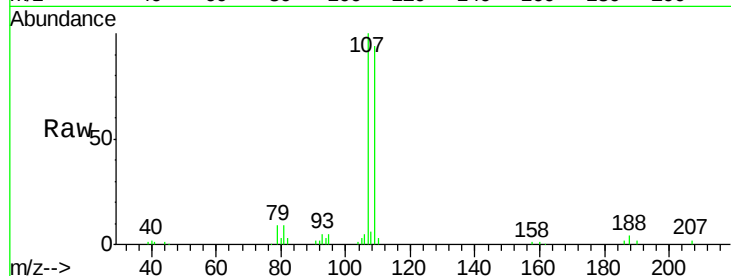




#61
 1,2-Dibromoethane
 Concen: 9.84 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

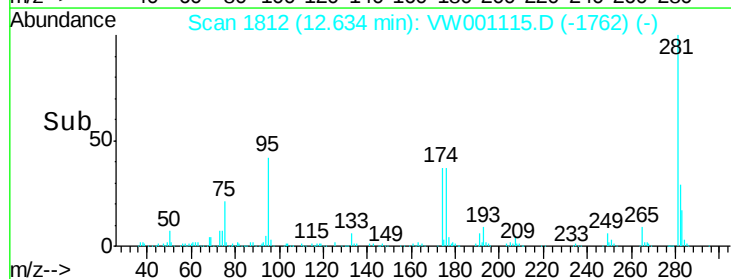
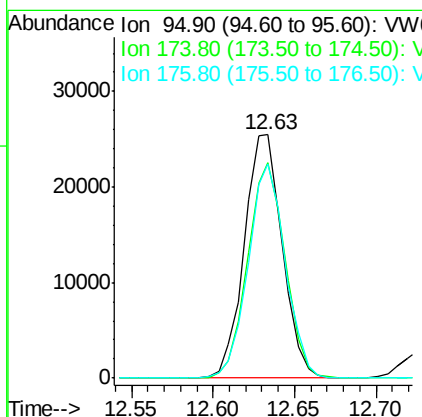
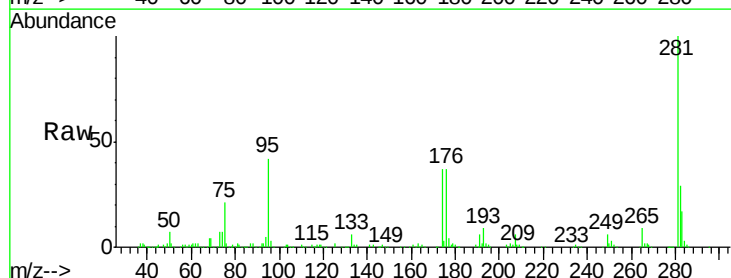
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

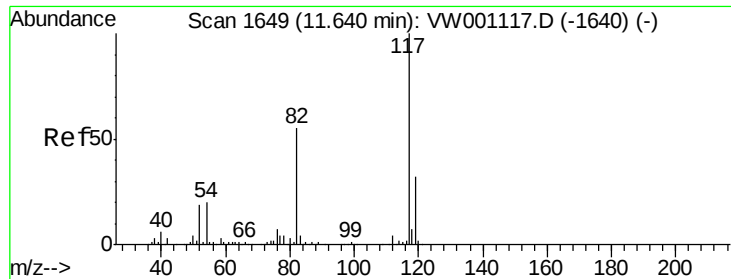
Tgt Ion: 107 Resp: 23833
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 10.16 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion: 95 Resp: 41268
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 179.6
 176 85.5 0.0 174.4

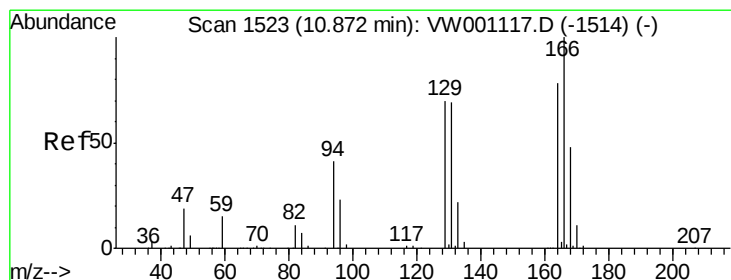
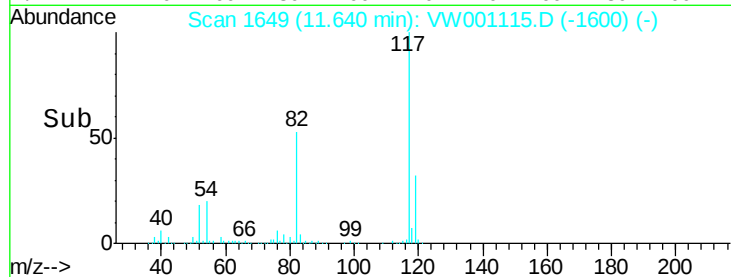
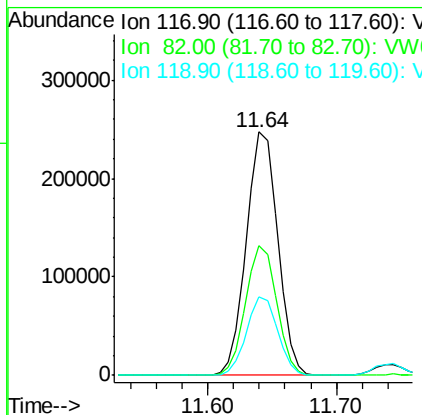
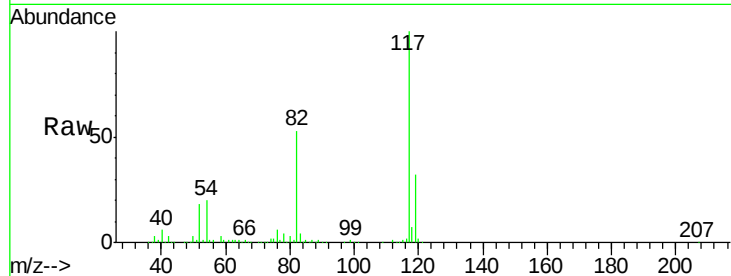




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

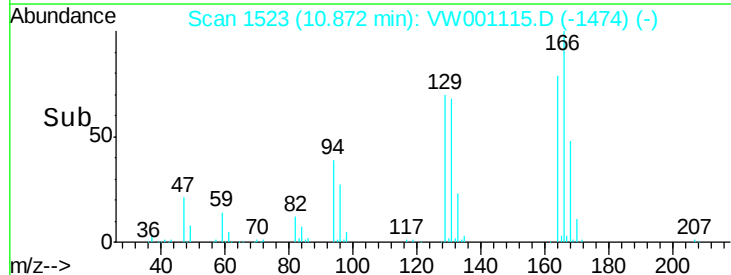
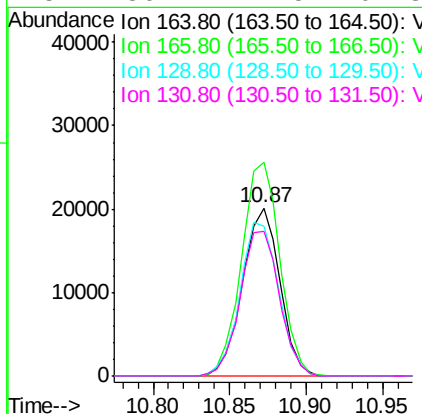
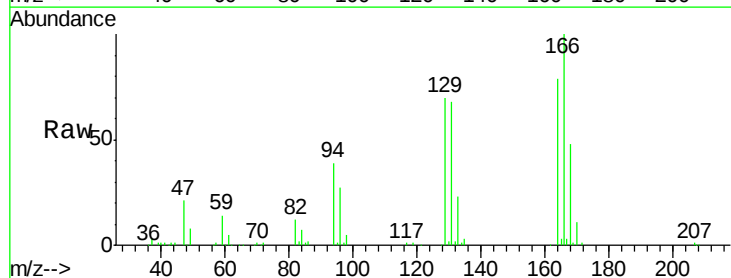
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

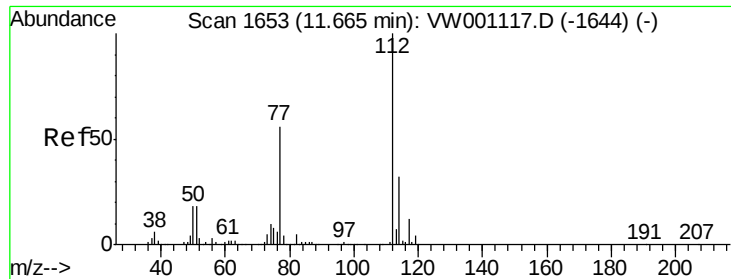
Tgt Ion:117 Resp: 416647
Ion Ratio Lower Upper
117 100
82 53.2 43.8 65.8
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 10.22 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion:164 Resp: 34255
Ion Ratio Lower Upper
164 100
166 127.2 103.1 154.7
129 88.9 72.3 108.5
131 86.1 71.5 107.3

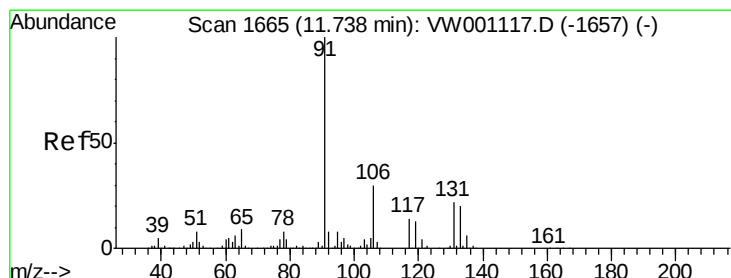
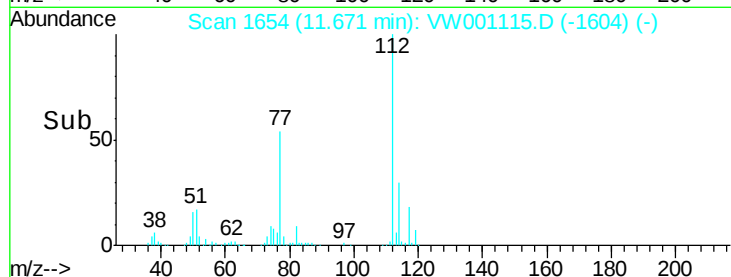
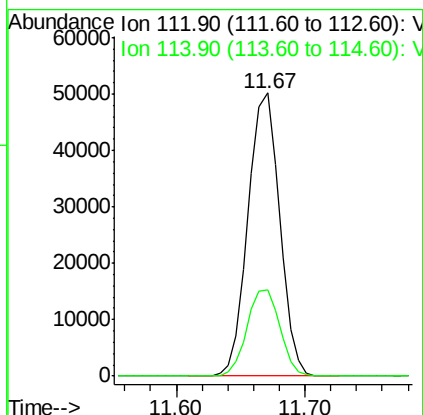
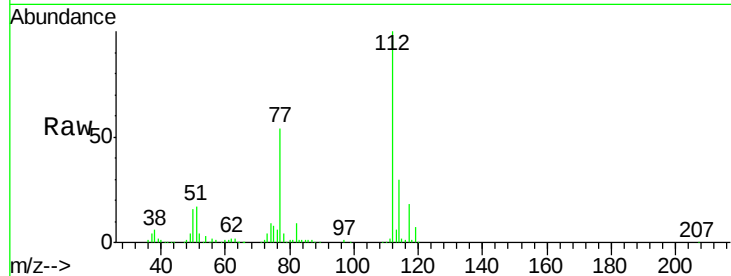




#65
Chlorobenzene
Concen: 10.13 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

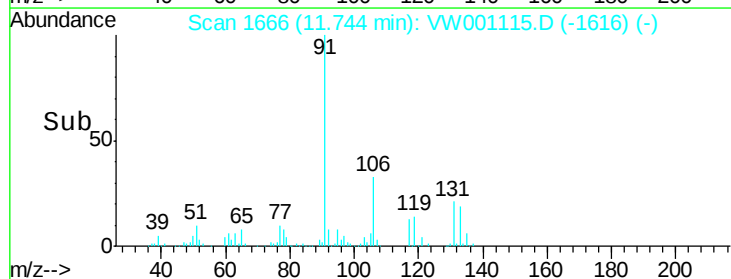
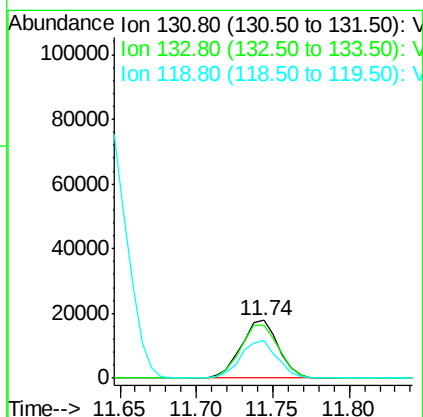
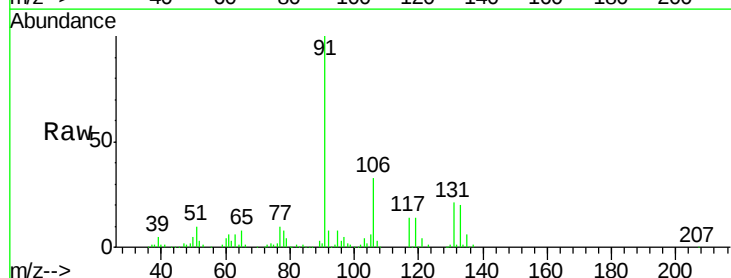
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

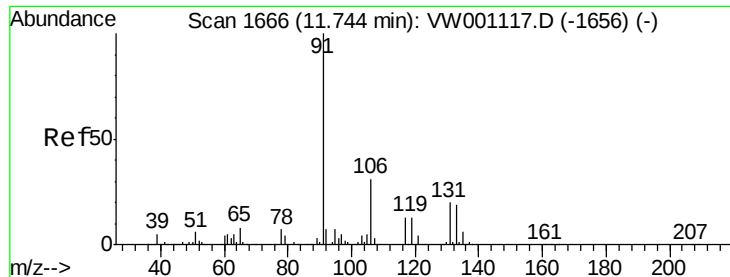
Tgt Ion:112 Resp: 85150
Ion Ratio Lower Upper
112 100
114 30.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 9.90 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion:131 Resp: 30368
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.8
119 64.5 31.5 94.5

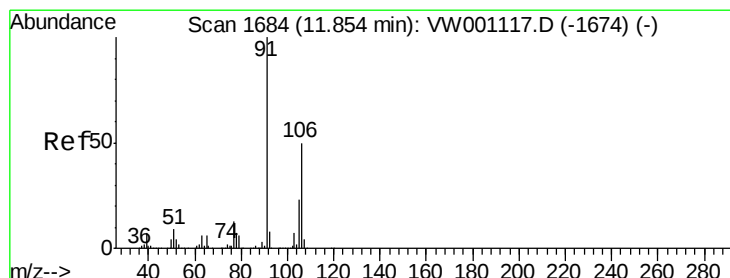
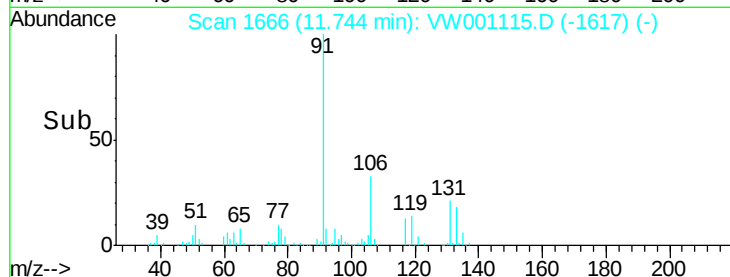
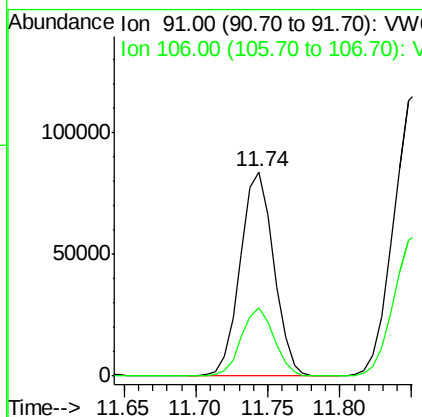
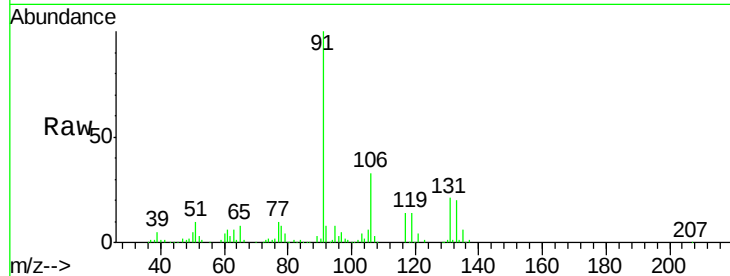




#67
Ethyl Benzene
Concen: 9.65 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

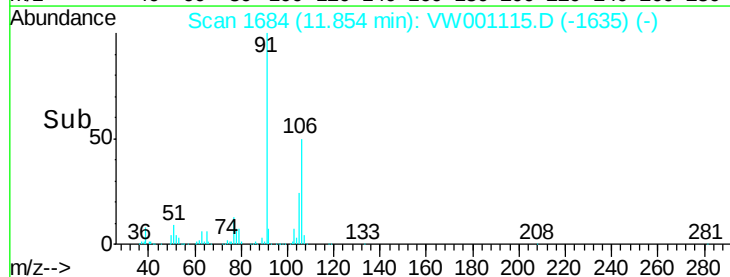
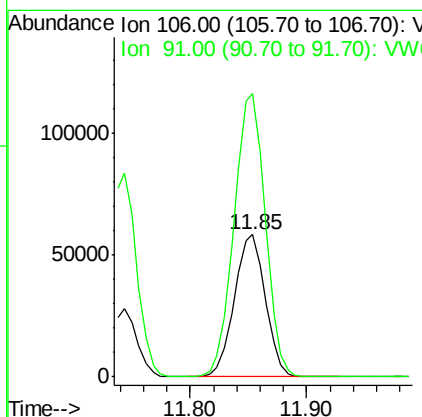
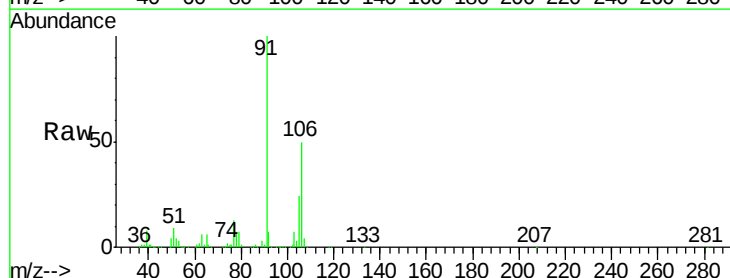
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

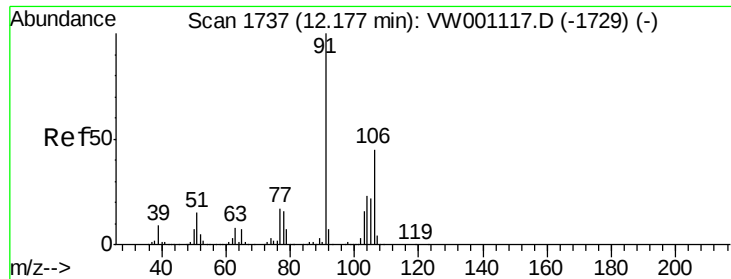
Tgt Ion: 91 Resp: 135427
Ion Ratio Lower Upper
91 100
106 33.4 24.6 36.8



#68
m/p-Xylenes
Concen: 19.82 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 106 Resp: 108349
Ion Ratio Lower Upper
106 100
91 201.4 163.1 244.7

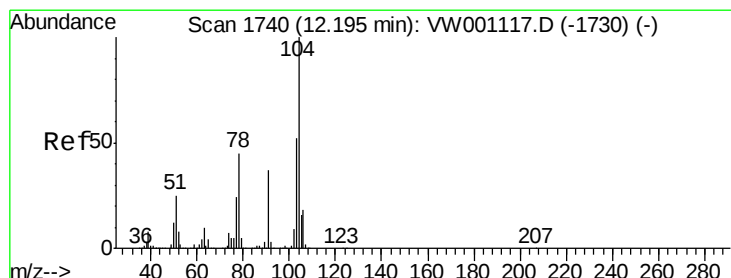
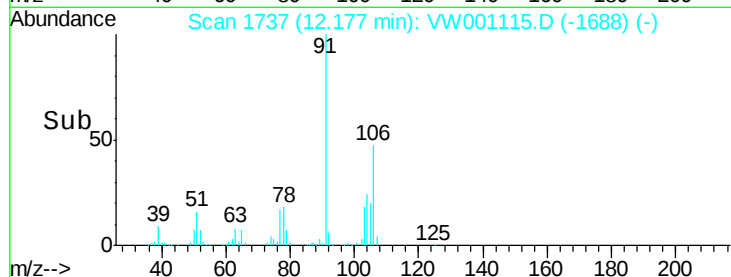
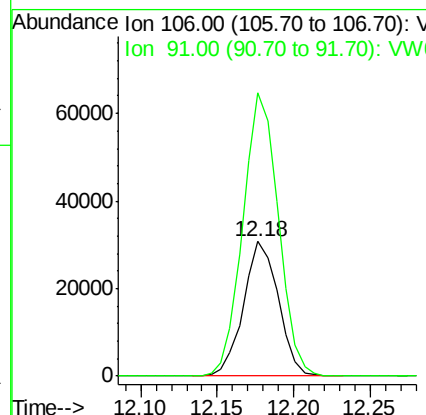
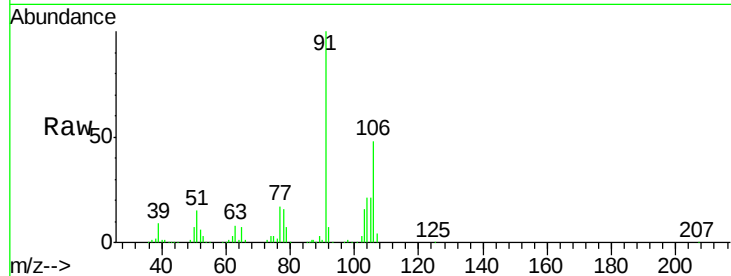




#69
o-Xylene
Concen: 9.67 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

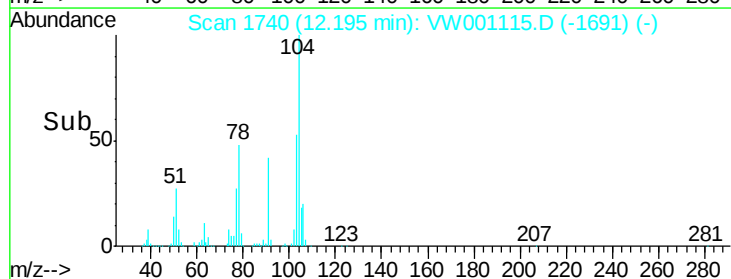
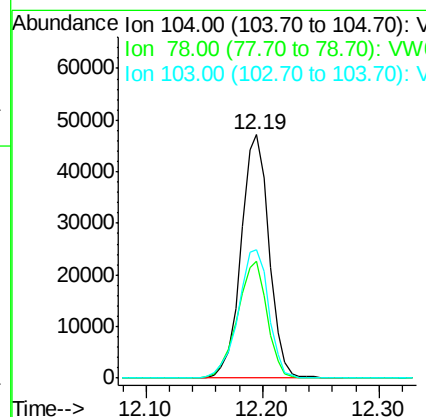
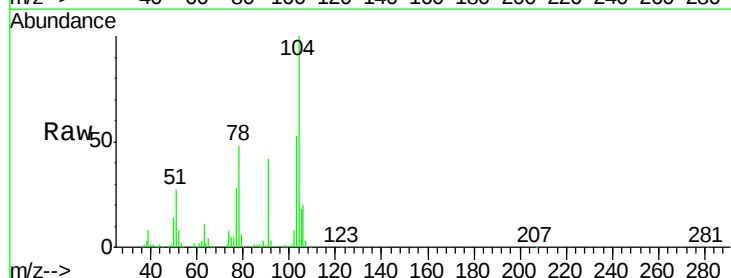
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

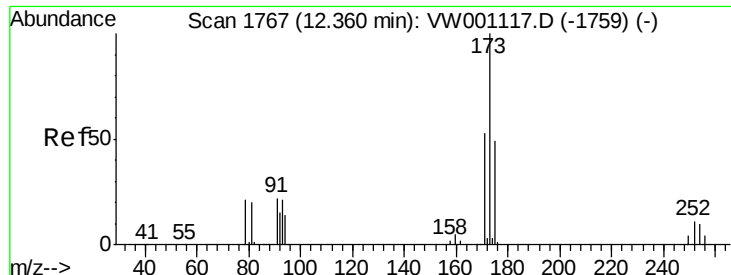
Tgt Ion:106 Resp: 48727
Ion Ratio Lower Upper
106 100
91 214.0 107.6 322.8



#70
Styrene
Concen: 9.56 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion:104 Resp: 79201
Ion Ratio Lower Upper
104 100
78 50.6 39.9 59.9
103 57.4 44.7 67.1





#71

Bromoform

Concen: 9.47 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

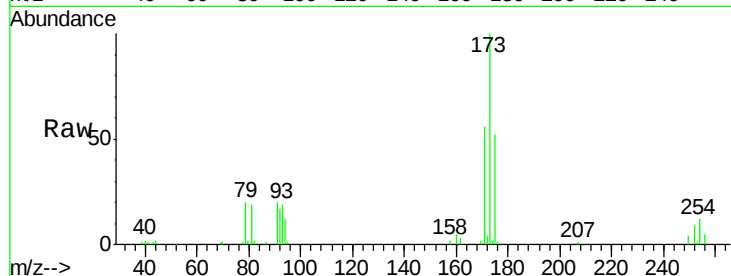
Tgt Ion:173 Resp: 18771

Ion Ratio Lower Upper

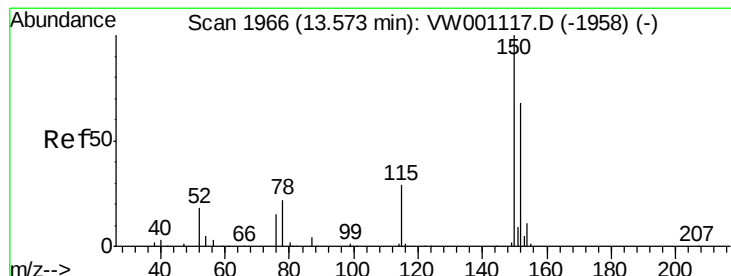
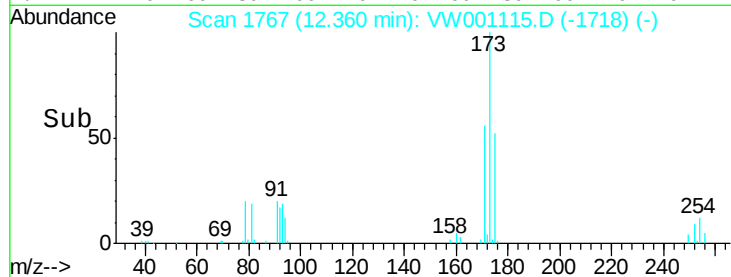
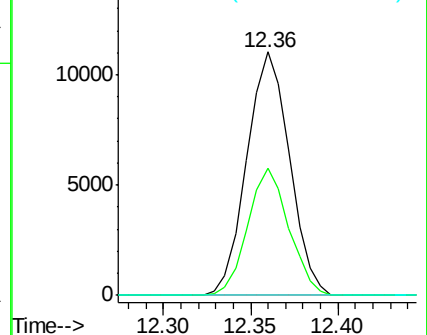
173 100

175 49.9 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: VW001115.D

Acq: 29 Jan 2018 12:29

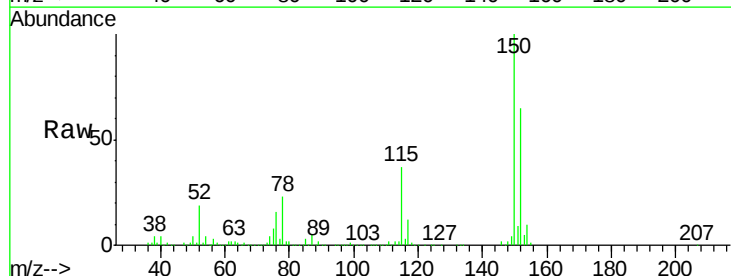
Tgt Ion:152 Resp: 231586

Ion Ratio Lower Upper

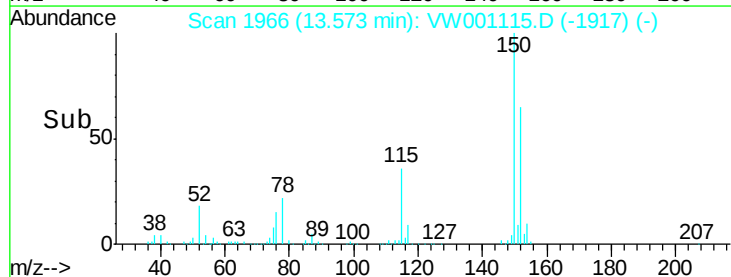
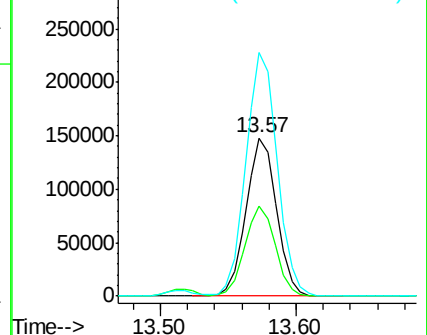
152 100

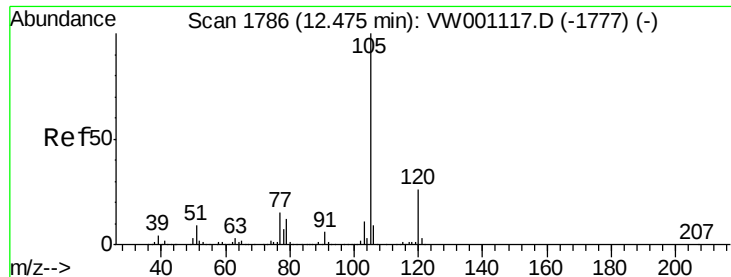
115 56.8 28.4 85.3

150 158.7 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: 9.46 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

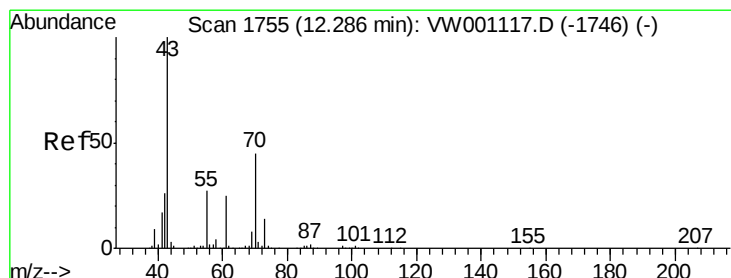
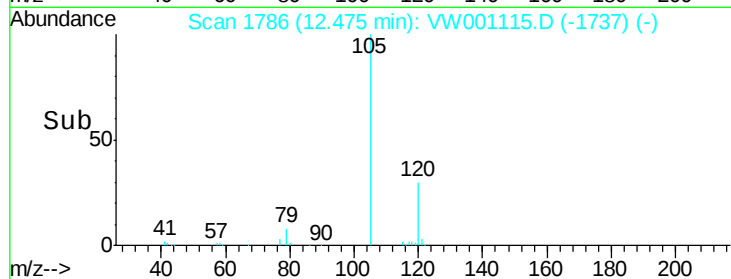
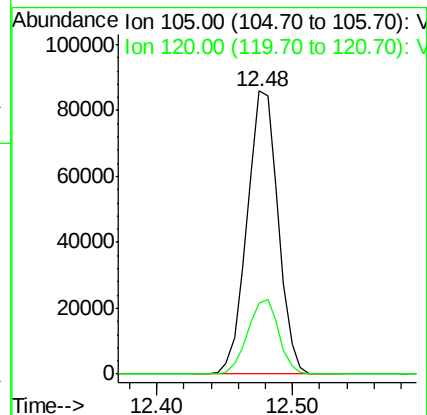
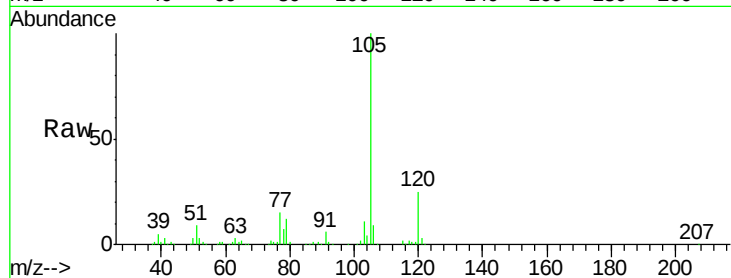
VSTDIC010

Tgt Ion:105 Resp: 137282

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 9.05 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Tgt Ion: 43 Resp: 29980

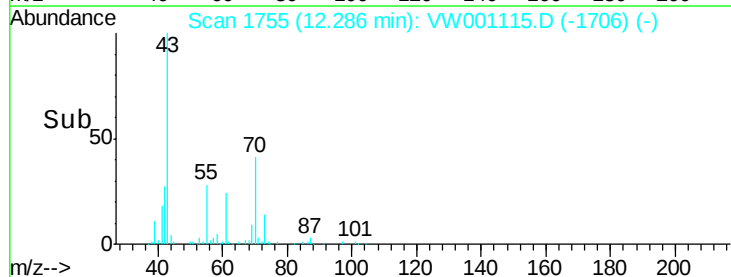
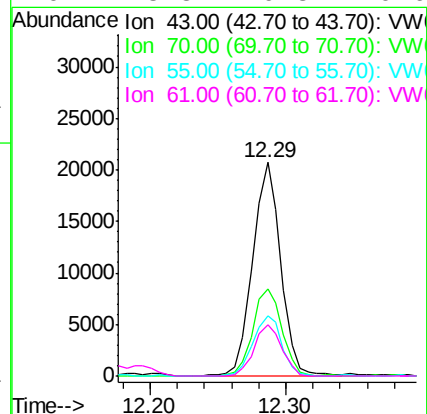
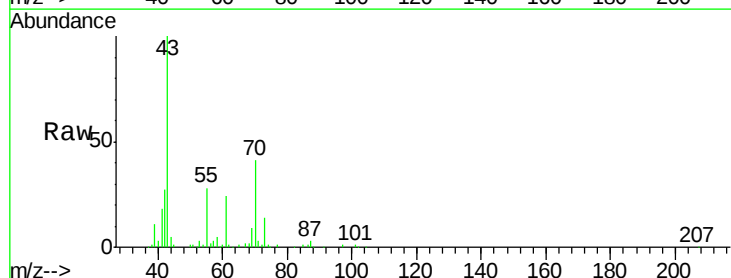
Ion Ratio Lower Upper

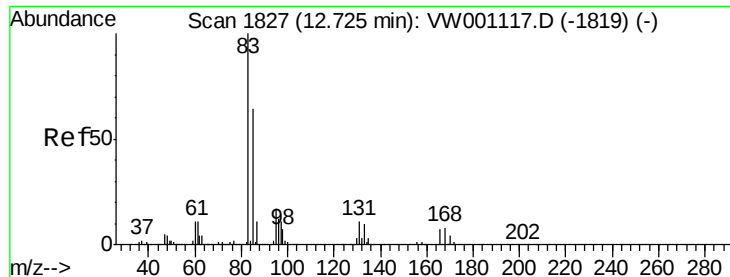
43 100

70 42.6 36.0 54.0

55 29.3 21.7 32.5

61 23.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 9.42 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

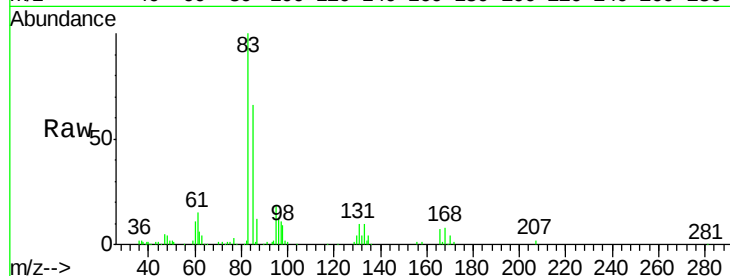
Tgt Ion: 83 Resp: 27960

Ion Ratio Lower Upper

83 100

131 12.0 5.8 17.4

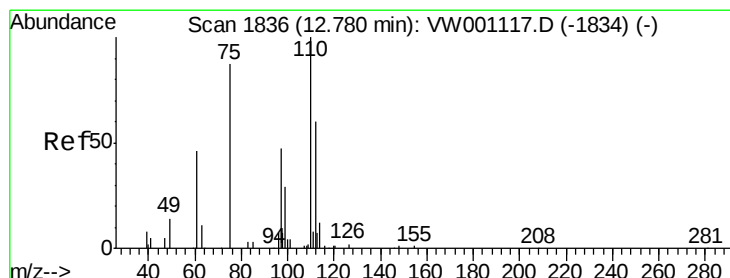
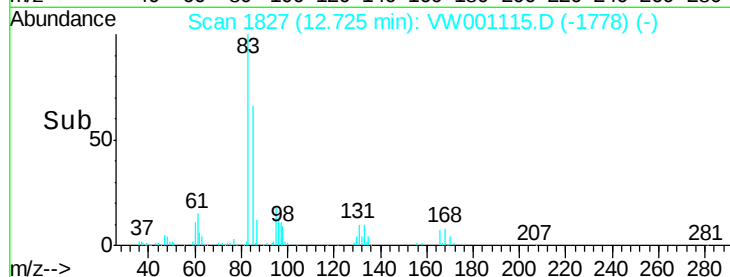
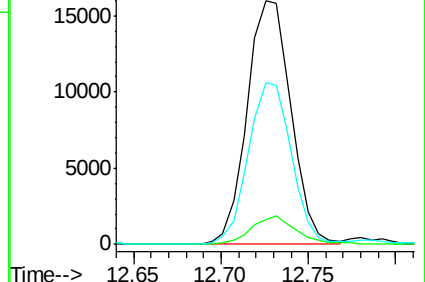
85 65.3 32.3 96.9



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: 13.39 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VW001115.D

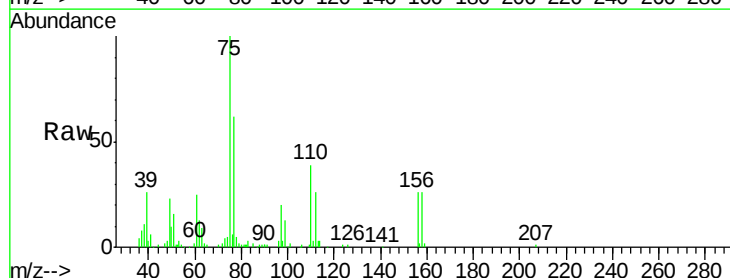
Acq: 29 Jan 2018 12:29

Tgt Ion: 75 Resp: 37798

Ion Ratio Lower Upper

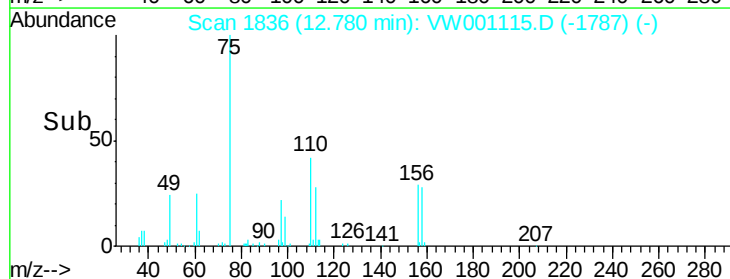
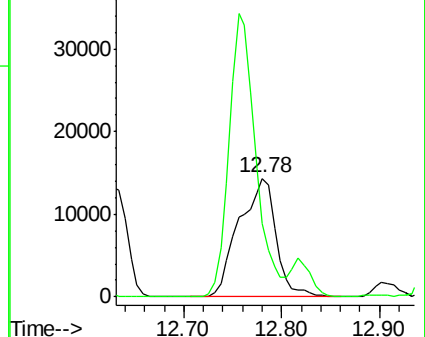
75 100

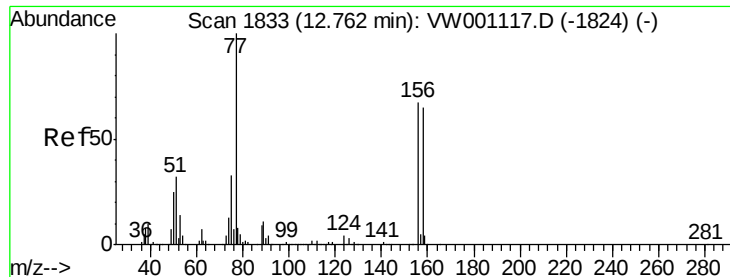
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.67 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

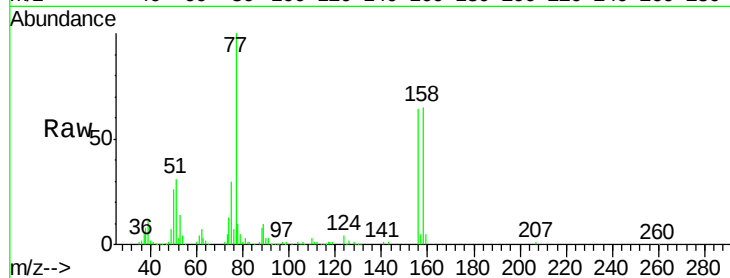
Tgt Ion:156 Resp: 36416

Ion Ratio Lower Upper

156 100

77 179.2 85.3 255.8

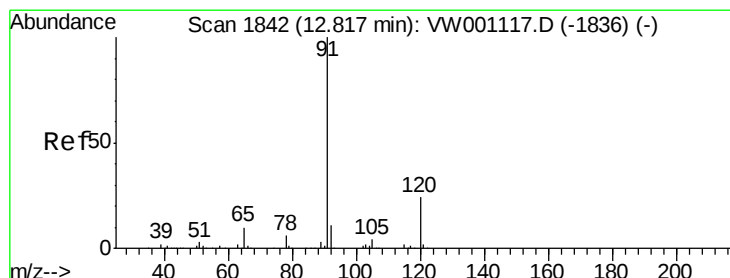
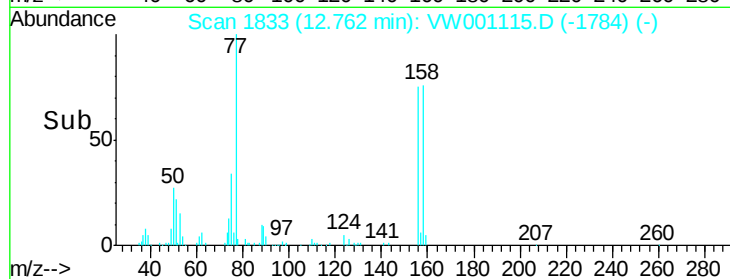
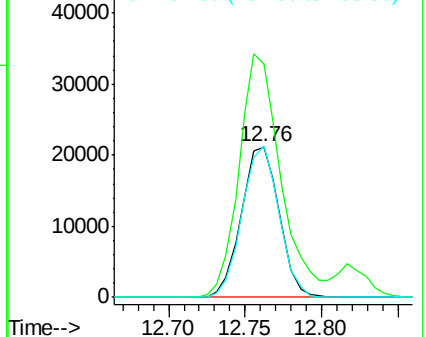
158 97.8 48.9 146.7



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: 9.59 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW001115.D

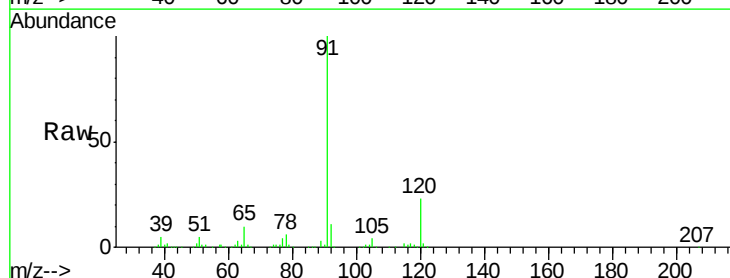
Acq: 29 Jan 2018 12:29

Tgt Ion: 91 Resp: 166552

Ion Ratio Lower Upper

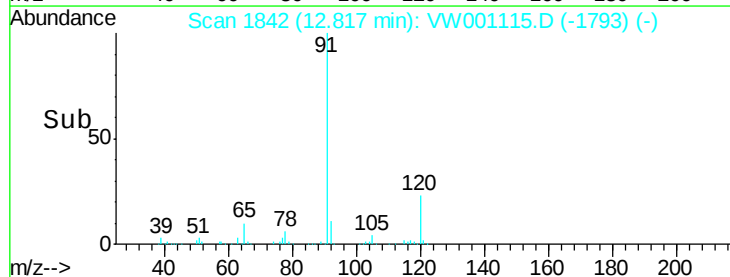
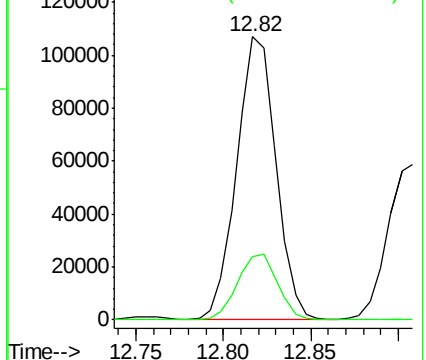
91 100

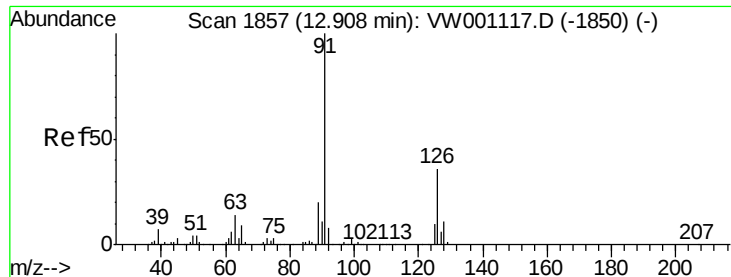
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

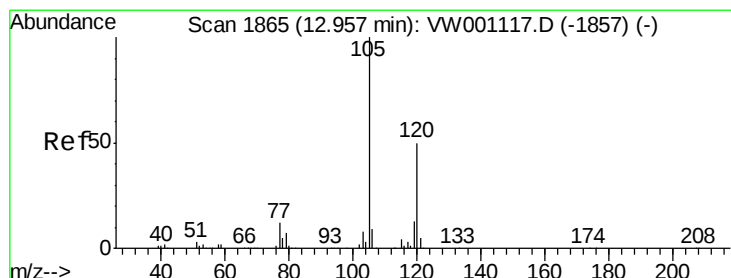
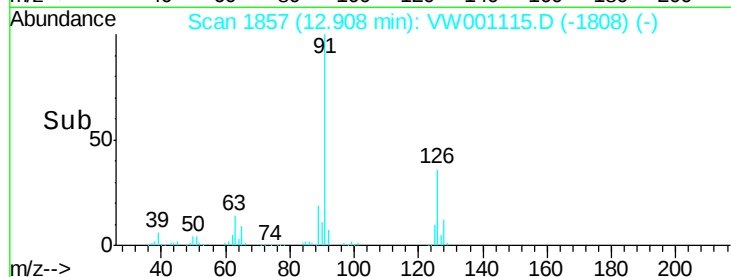
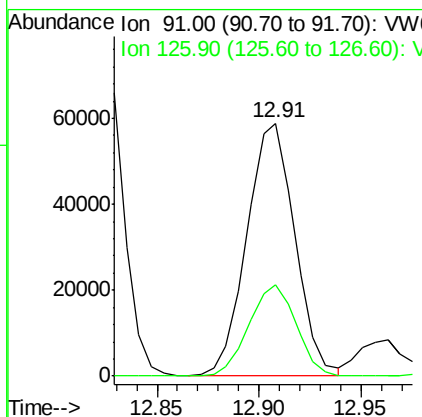
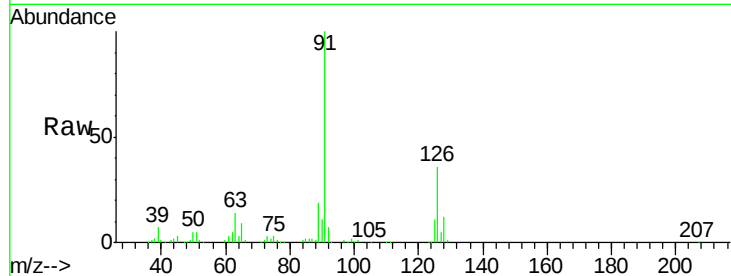




#79
 2-Chlorotoluene
 Concen: 9.69 ug/l
 RT: 12.91 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

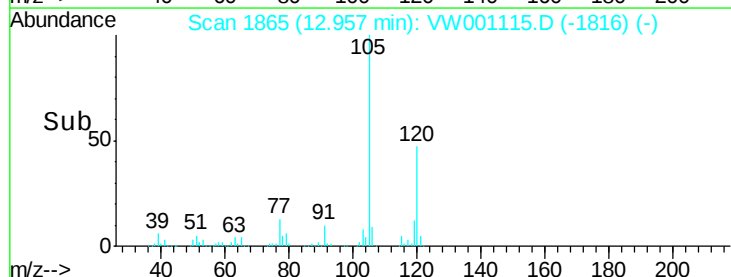
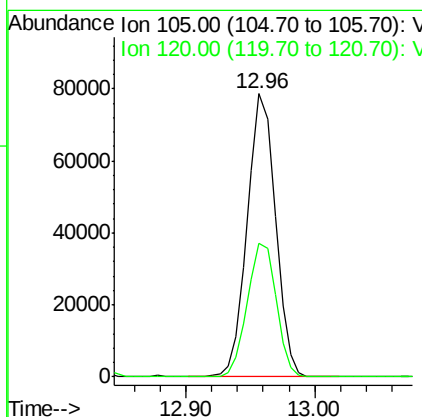
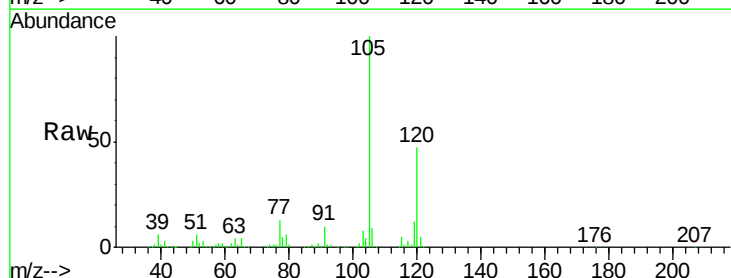
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

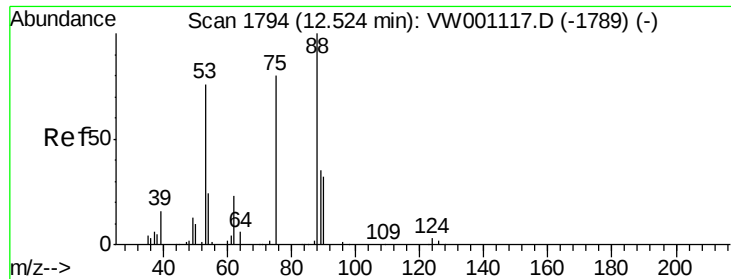
Tgt Ion: 91 Resp: 96298
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 9.60 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion: 105 Resp: 119126
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 8.83 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

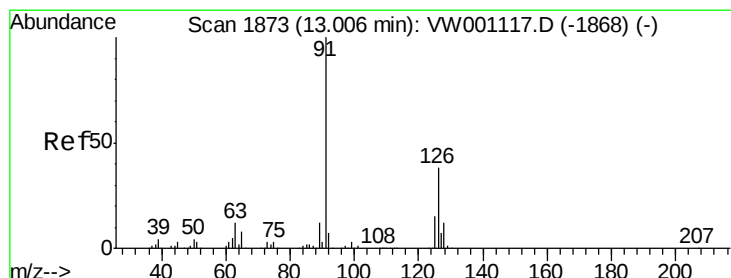
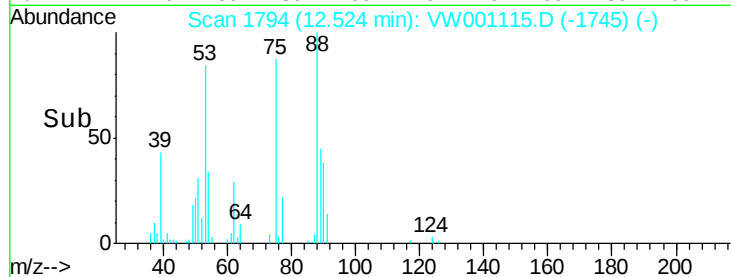
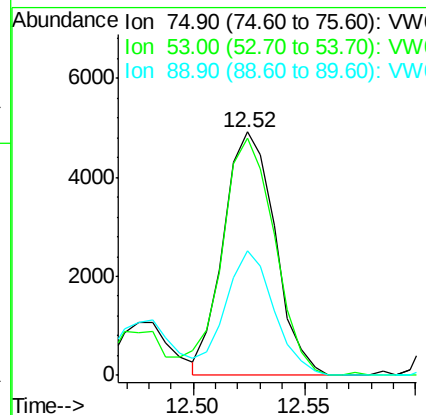
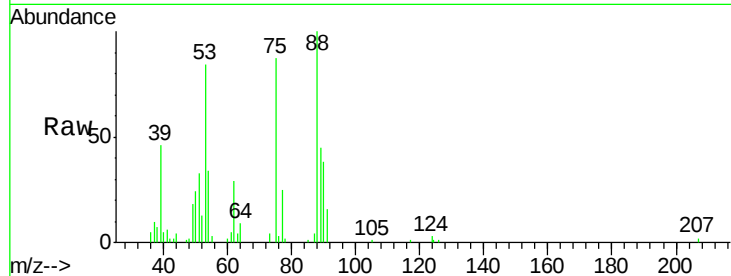
Tgt Ion: 75 Resp: 7882

Ion Ratio Lower Upper

75 100

53 99.7 75.0 112.6

89 48.8 38.2 57.4



#82

4-Chlorotoluene

Concen: 9.92 ug/l

RT: 13.01 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VW001115.D

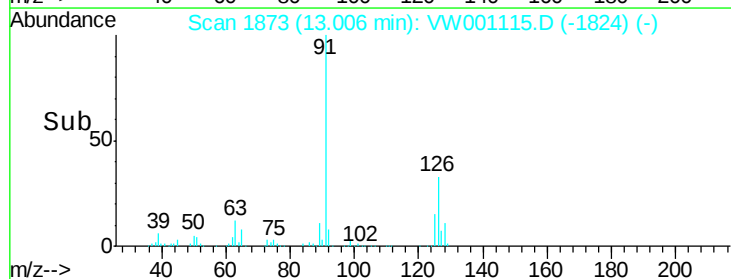
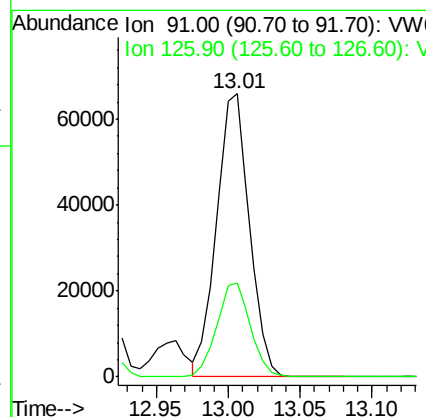
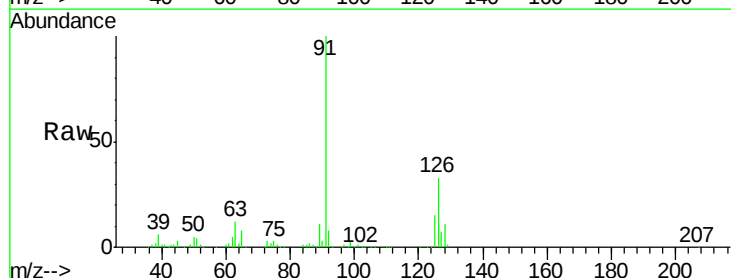
Acq: 29 Jan 2018 12:29

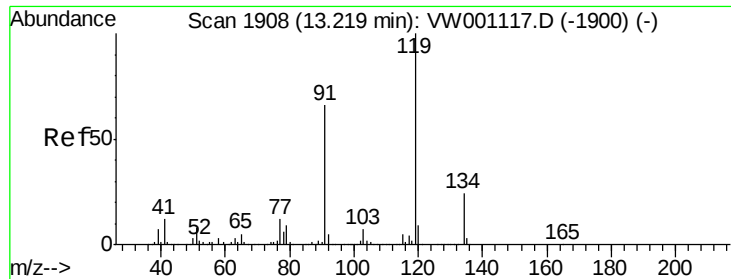
Tgt Ion: 91 Resp: 105150

Ion Ratio Lower Upper

91 100

126 33.8 17.8 53.4

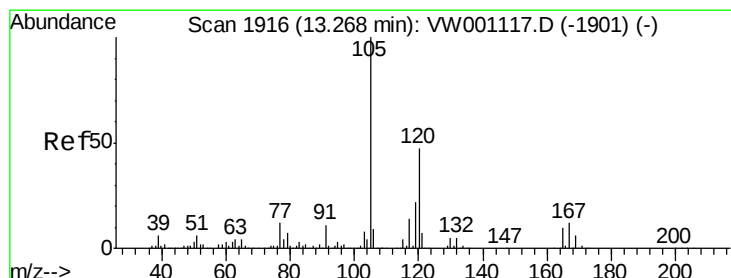
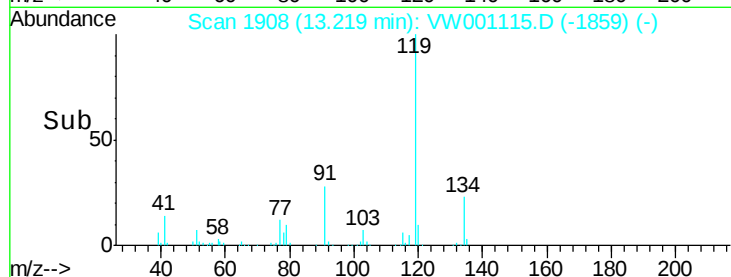
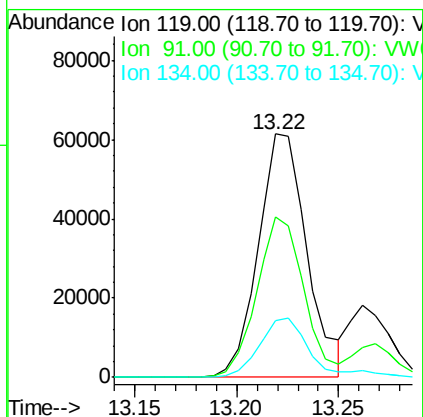
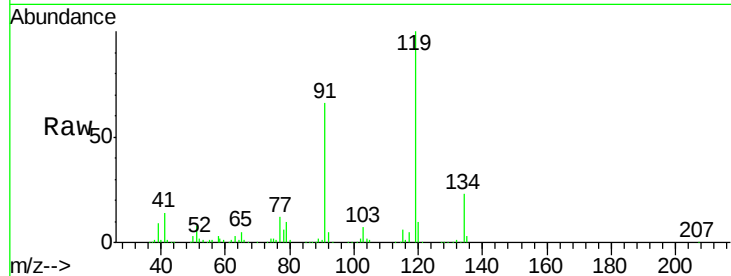




#83
tert-Butylbenzene
Concen: 9.34 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

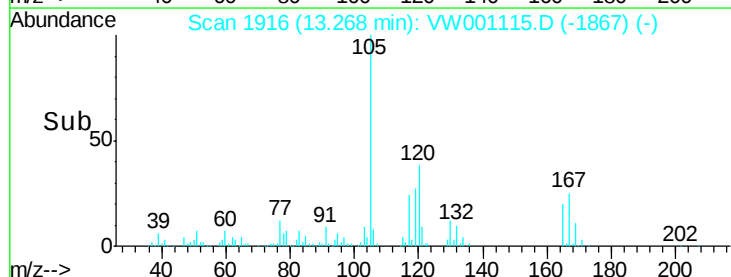
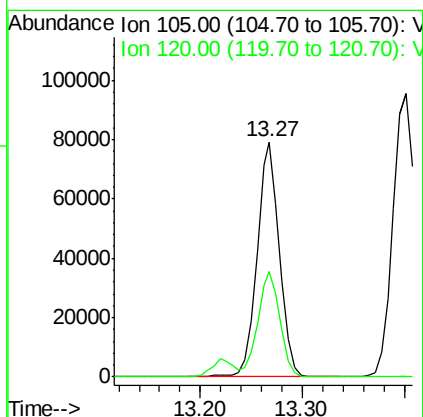
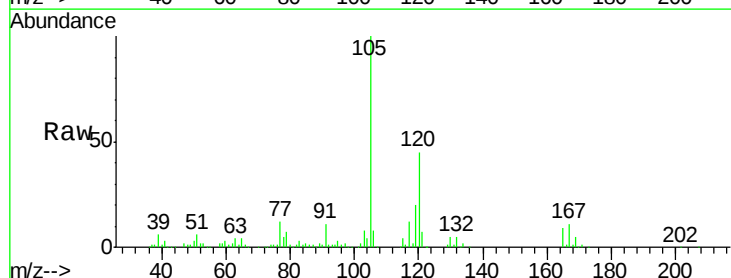
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

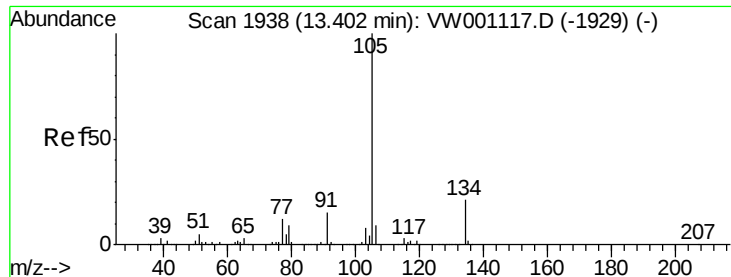
Tgt Ion:119 Resp: 102369
Ion Ratio Lower Upper
119 100
91 63.6 31.9 95.5
134 25.5 12.7 38.0



#84
1,2,4-Trimethylbenzene
Concen: 9.53 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion:105 Resp: 120292
Ion Ratio Lower Upper
105 100
120 44.9 22.9 68.8

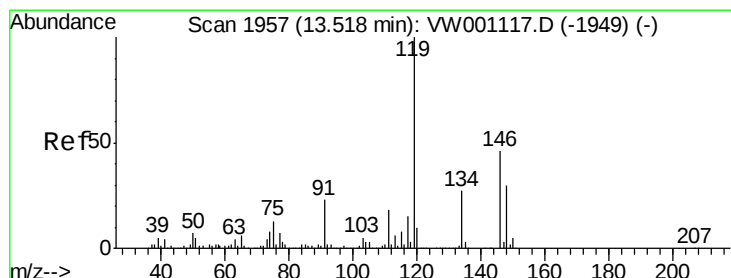
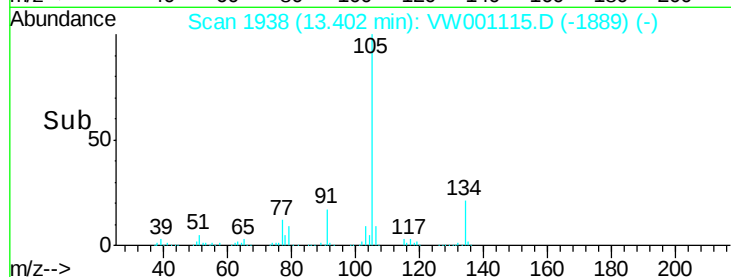
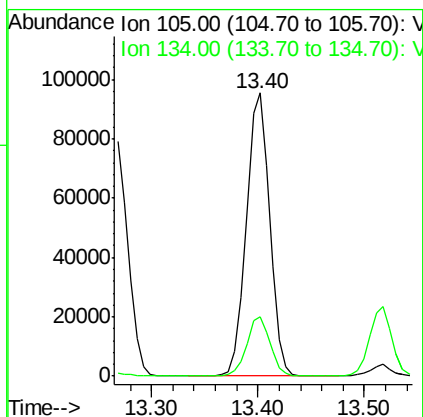
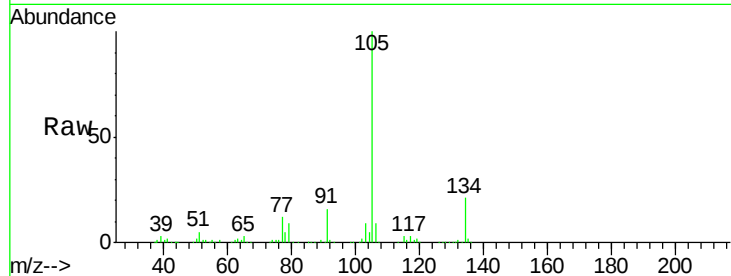




#85
 sec-Butylbenzene
 Concen: 9.50 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

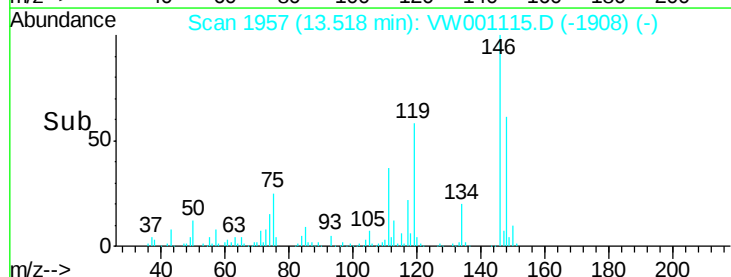
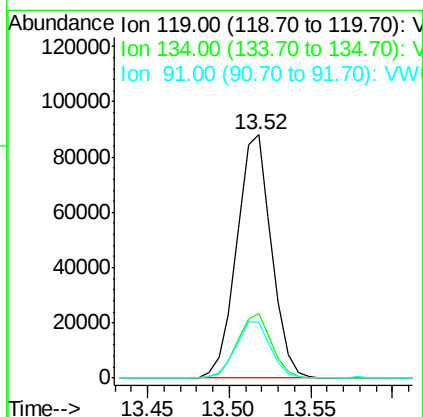
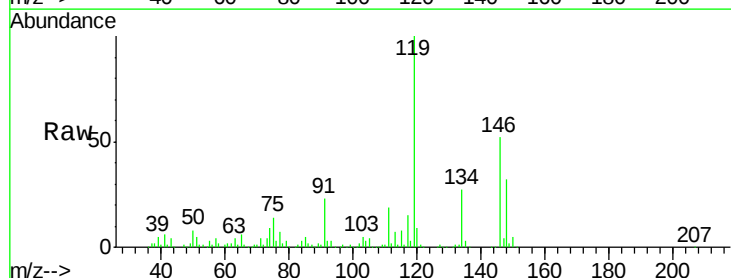
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

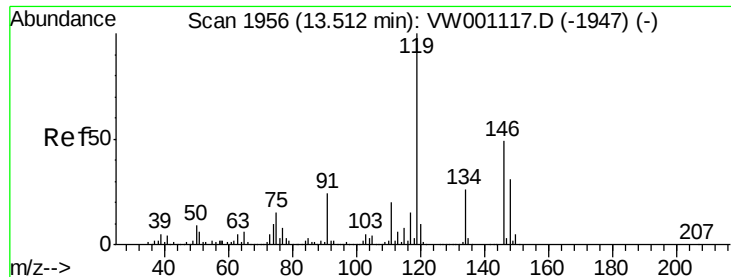
Tgt Ion:105 Resp: 147327
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 9.45 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion:119 Resp: 130249
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.4 40.1
 91 23.4 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 9.99 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

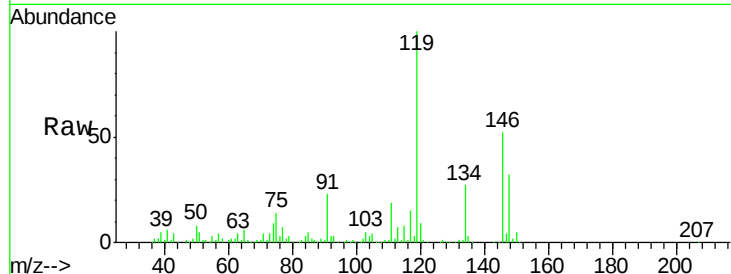
Tgt Ion:146 Resp: 74265

Ion Ratio Lower Upper

146 100

111 39.0 19.7 59.1

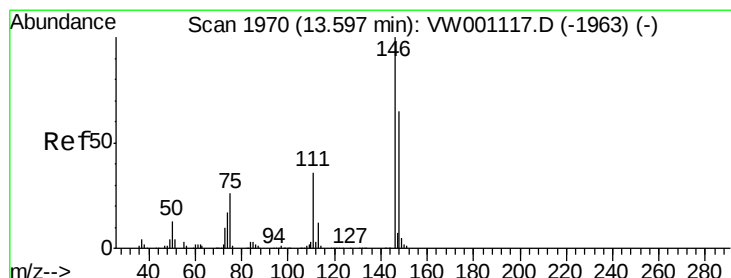
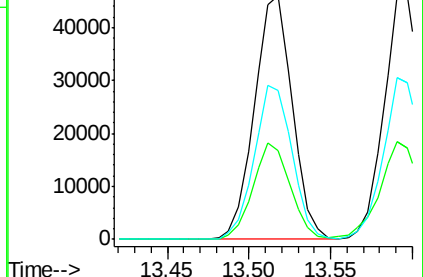
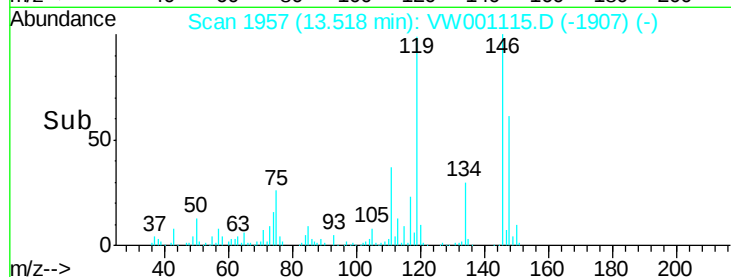
148 63.4 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 9.98 ug/l

RT: 13.60 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VW001115.D

Acq: 29 Jan 2018 12:29

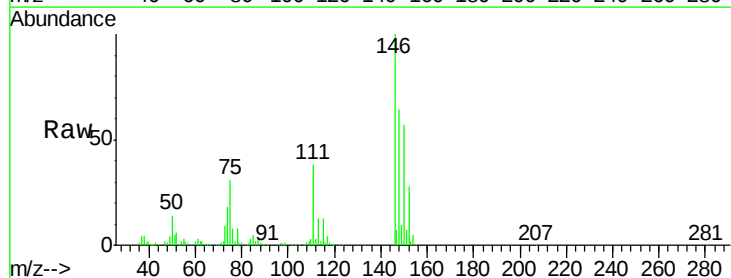
Tgt Ion:146 Resp: 74569

Ion Ratio Lower Upper

146 100

111 41.9 19.1 57.1

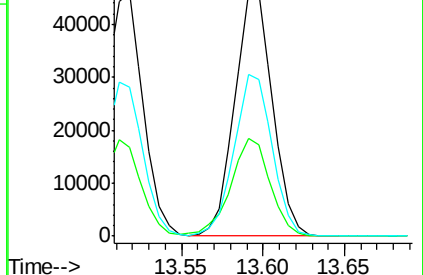
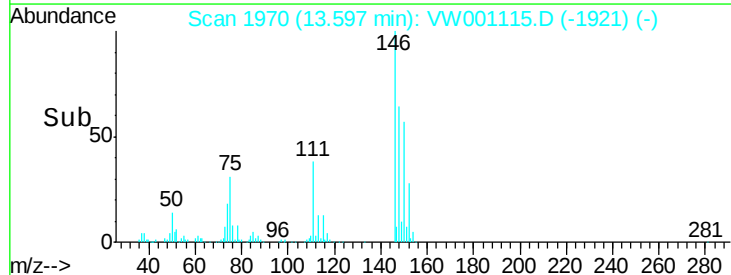
148 66.3 32.5 97.5

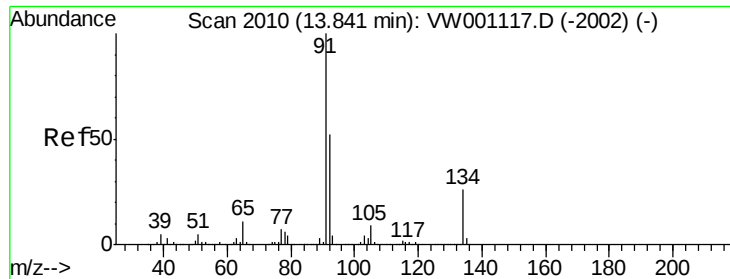


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

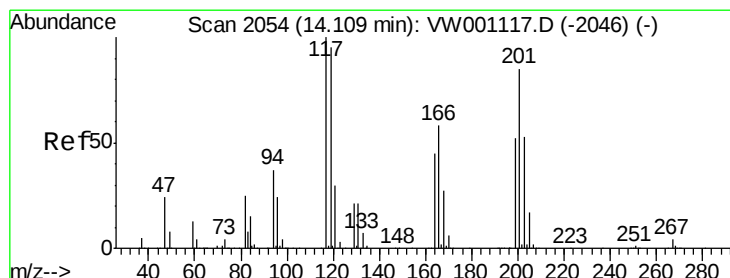
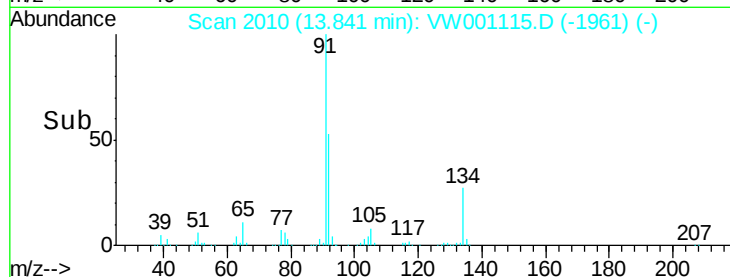
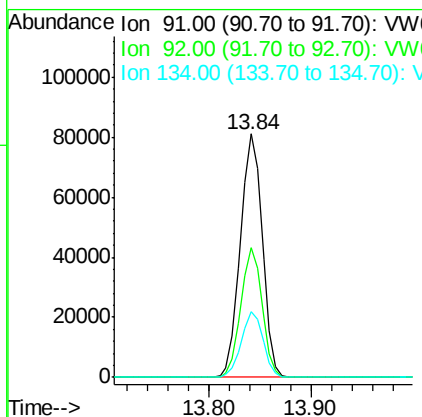
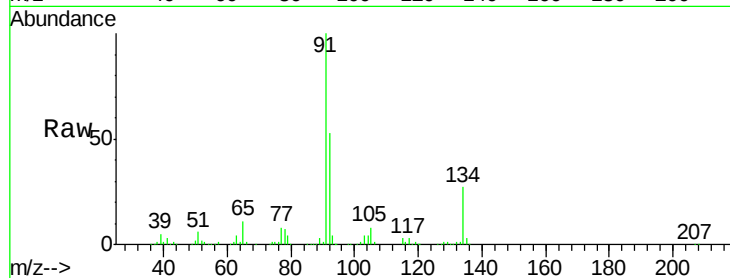




#89
n-Butylbenzene
Concen: 9.39 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

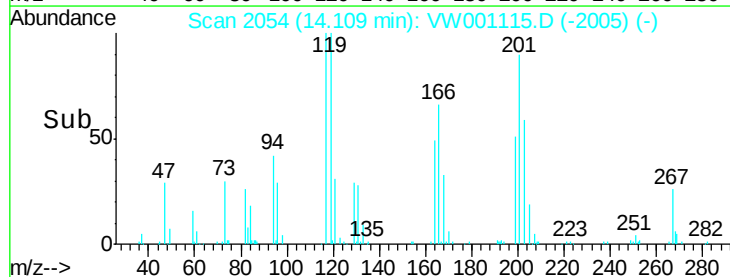
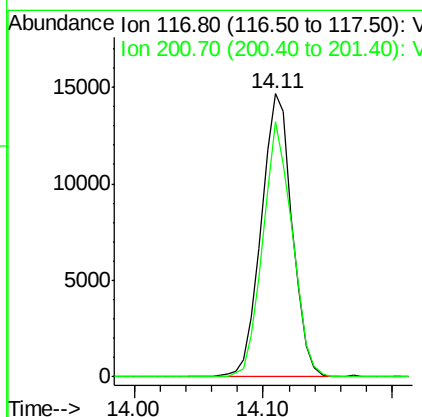
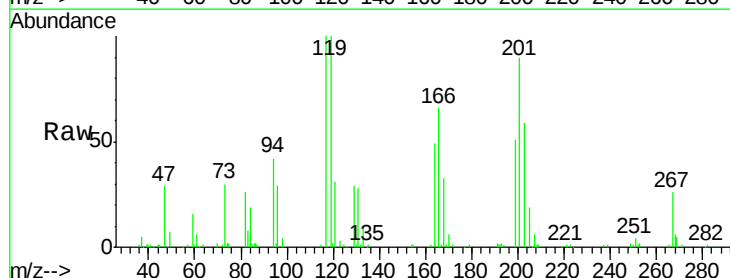
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

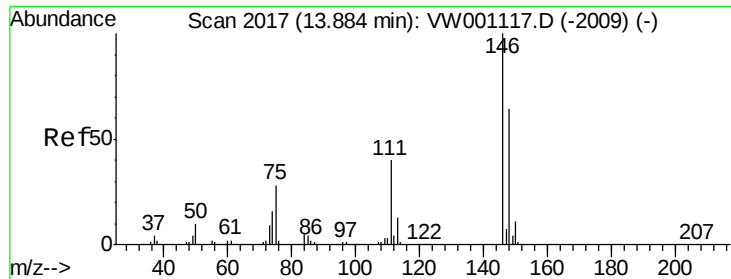
Tgt Ion: 91 Resp: 120543
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.2
134 26.7 13.6 40.8



#90
Hexachloroethane
Concen: 9.48 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion: 117 Resp: 24370
Ion Ratio Lower Upper
117 100
201 85.7 43.3 129.8

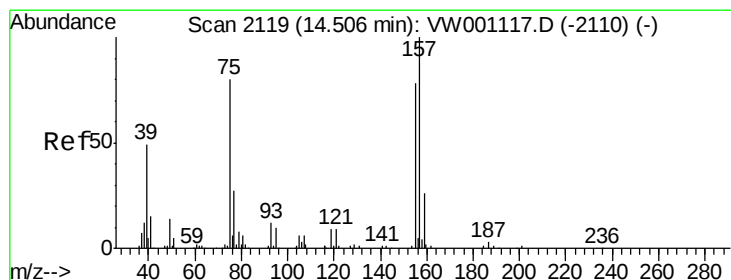
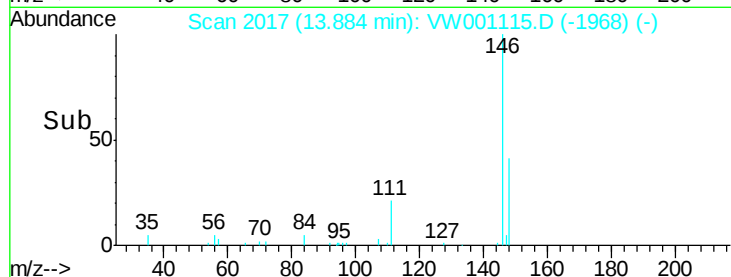
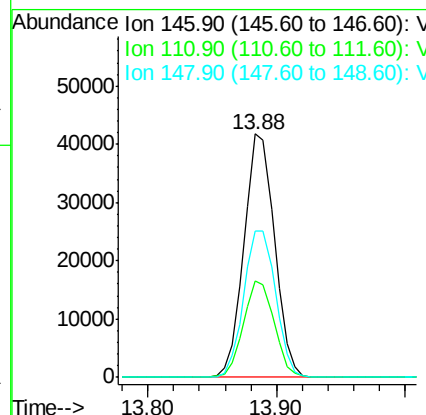
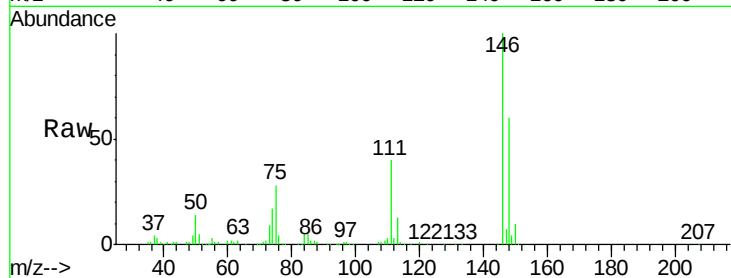




#91
 1,2-Dichlorobenzene
 Concen: 10.05 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

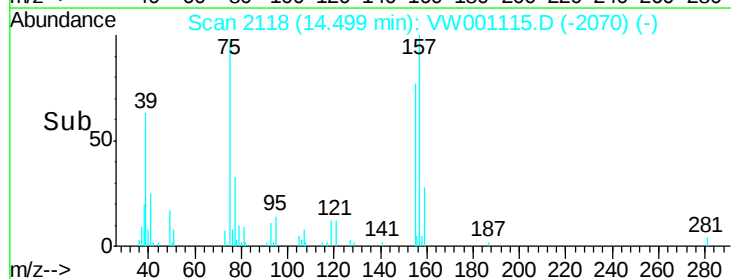
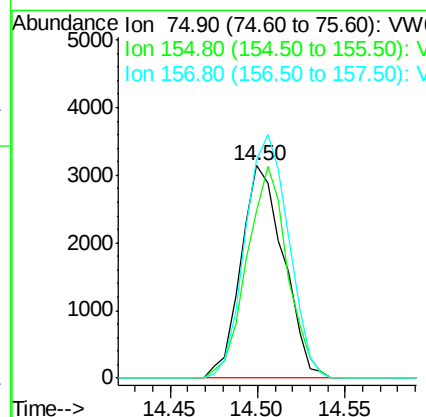
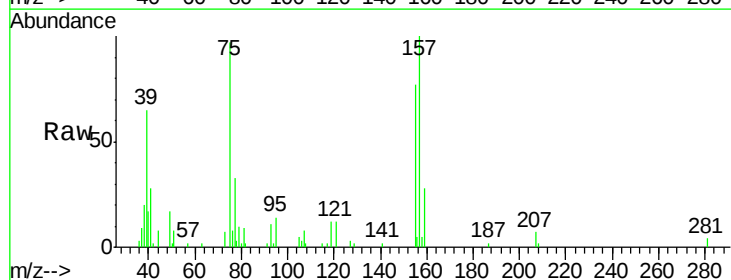
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

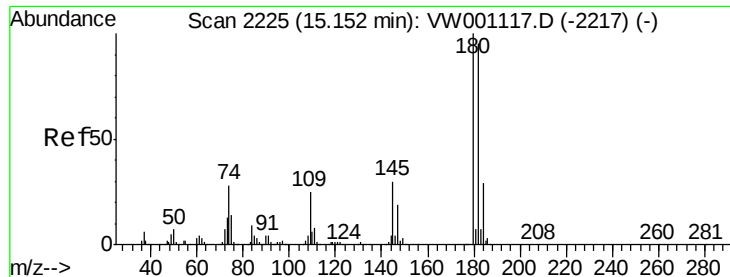
Tgt Ion: 146 Resp: 68428
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.4 61.2
 148 62.8 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.89 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion: 75 Resp: 5323
 Ion Ratio Lower Upper
 75 100
 155 95.0 46.3 138.9
 157 116.9 60.0 180.0

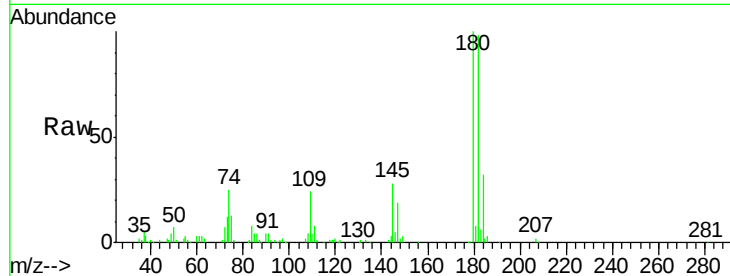




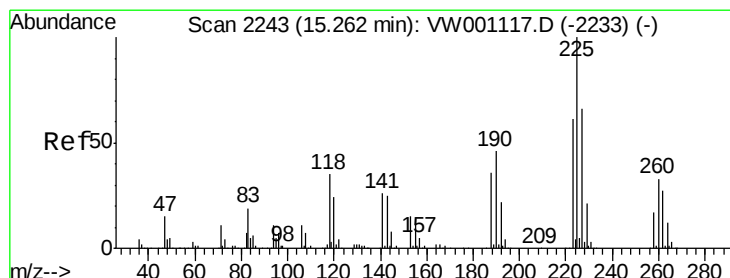
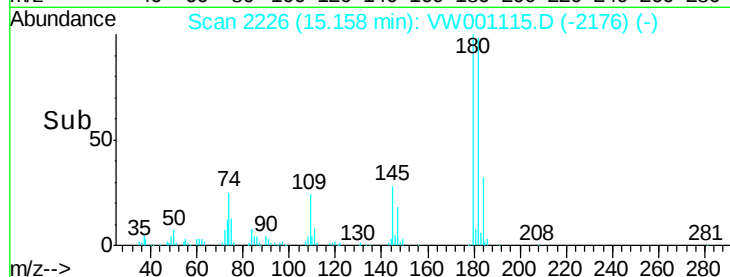
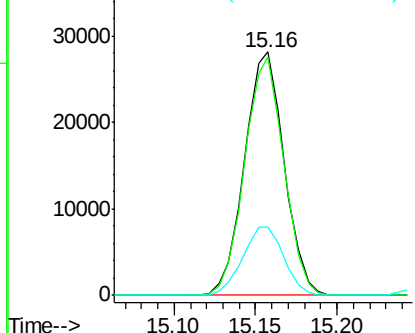
#93
 1,2,4-Trichlorobenzene
 Concen: 9.49 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 47528
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.6 142.9
 145 29.4 15.0 45.1

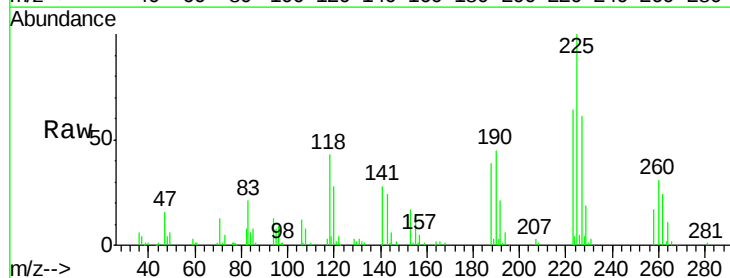


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

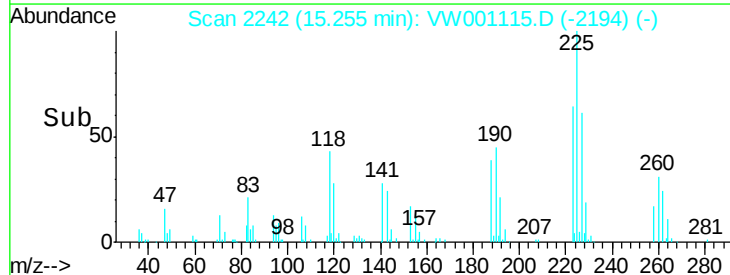
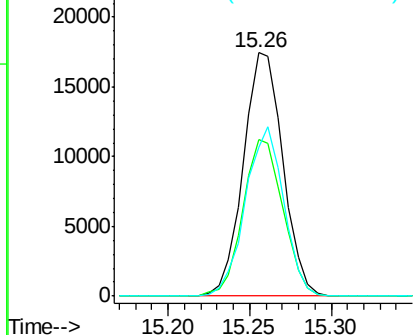


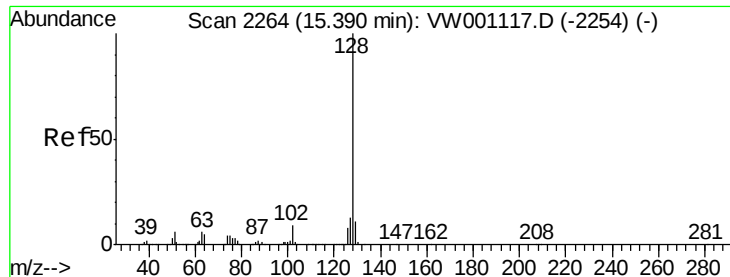
#94
 Hexachlorobutadiene
 Concen: 9.53 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: VW001115.D
 Acq: 29 Jan 2018 12:29

Tgt Ion:225 Resp: 29529
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.1 93.3
 227 67.2 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

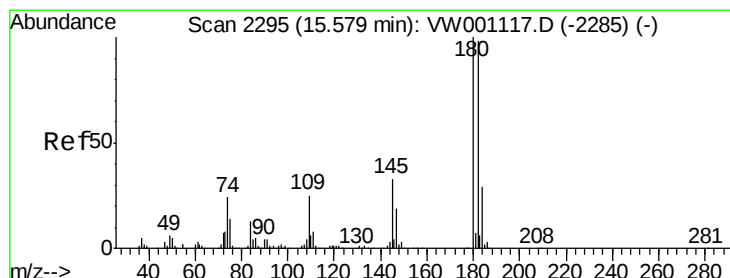
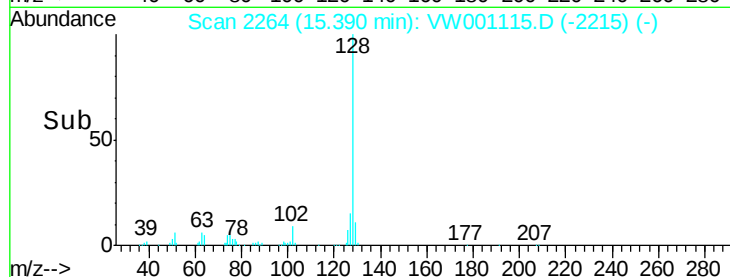
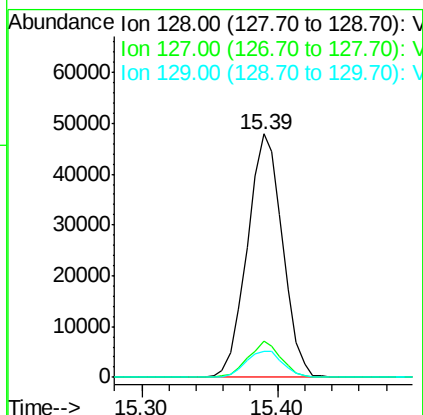
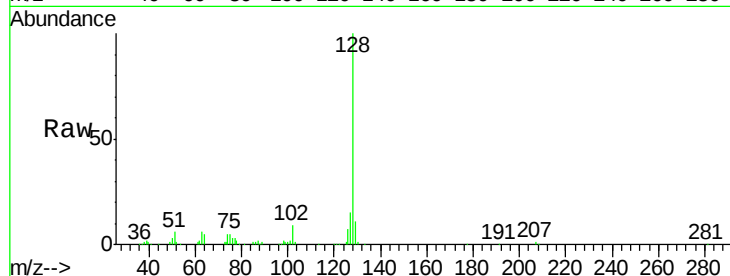




#95
Naphthalene
Concen: 8.76 ug/l
RT: 15.39 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 86543
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.69 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VW001115.D
Acq: 29 Jan 2018 12:29

Tgt Ion:180 Resp: 44736
Ion Ratio Lower Upper
180 100
182 96.0 48.7 146.1
145 30.9 16.0 47.9

