

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002278.D
 Acq On : 07 May 2018 23:46
 Operator : JC/SY
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: May 08 03:25:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:17:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	331931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177149	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	12200	6.03	ug/l	0.00
Spiked Amount			Recovery	=	12.06%	
35) Dibromofluoromethane	7.88	113	11203	4.96	ug/l	0.00
Spiked Amount			Recovery	=	9.92%	
50) Toluene-d8	10.33	98	42377	5.03	ug/l	0.00
Spiked Amount			Recovery	=	10.06%	
62) 4-Bromofluorobenzene	12.63	95	15327	4.69	ug/l	0.00
Spiked Amount			Recovery	=	9.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	4648	2.59	ug/l	86
3) Chloromethane	2.21	50	10151	6.00	ug/l	100
4) Vinyl Chloride	2.36	62	14776	7.78	ug/l	99
5) Bromomethane	2.78	94	11207	7.42	ug/l	94
6) Chloroethane	2.92	64	9598	8.37	ug/l	97
7) Trichlorofluoromethane	3.25	101	5767	1.82	ug/l	85
8) Diethyl Ether	3.67	74	7235	7.99	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.04	101	11022	5.21	ug/l	95
10) Methyl Iodide	4.26	142	16883	7.13	ug/l	100
11) Tert butyl alcohol	5.19	59	4515	35.87	ug/l #	96
12) 1,1-Dichloroethene	4.03	96	10901	5.96	ug/l	91
13) Acrolein	3.89	56	3868	38.10	ug/l	91
14) Allyl chloride	4.65	41	15198	6.67	ug/l	99
15) Acrylonitrile	5.37	53	13120	38.32	ug/l	95
16) Acetone	4.12	43	13729	34.09	ug/l	100
17) Carbon Disulfide	4.37	76	31316	5.45	ug/l #	94
18) Methyl Acetate	4.67	43	7922	8.95	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	17965	4.84	ug/l	93
20) Methylene Chloride	4.90	84	12865	5.66	ug/l	95
21) trans-1,2-Dichloroethene	5.40	96	11251	5.51	ug/l	89
22) Diisopropyl ether	6.31	45	31396	6.90	ug/l	94
23) Vinyl Acetate	6.26	43	87094	35.93	ug/l	100
24) 1,1-Dichloroethane	6.21	63	20422	6.15	ug/l	96
25) 2-Butanone	7.18	43	17341	38.69	ug/l	95
26) 2,2-Dichloropropane	7.17	77	11003	3.54	ug/l	94
27) cis-1,2-Dichloroethene	7.16	96	12811	5.93	ug/l	98
28) Bromochloromethane	7.51	49	9472	8.12	ug/l	94
29) Tetrahydrofuran	7.54	42	11501	44.14	ug/l	94
30) Chloroform	7.67	83	21044	5.48	ug/l	91
31) Cyclohexane	7.95	56	20783	6.91	ug/l #	74
32) 1,1,1-Trichloroethane	7.87	97	16073	4.36	ug/l	93
36) 1,1-Dichloropropene	8.08	75	15745	4.73	ug/l	97
37) Ethyl Acetate	7.26	43	7903	7.47	ug/l #	92
38) Carbon Tetrachloride	8.06	117	15114	3.75	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	18221	4.81	ug/l	96
40) Benzene	8.32	78	46364	5.04	ug/l	98
41) Methacrylonitrile	7.49	41	3531	6.02	ug/l #	69
42) 1,2-Dichloroethane	8.40	62	14601	5.15	ug/l	98
43) Isopropyl Acetate	8.43	43	13356	6.37	ug/l	99
44) Trichloroethene	9.09	130	13204	4.55	ug/l	99
45) 1,2-Dichloropropane	9.37	63	11715	5.59	ug/l	97
46) Dibromomethane	9.46	93	6372	5.34	ug/l	97
47) Bromodichloromethane	9.65	83	14775	4.62	ug/l	95
48) Methyl methacrylate	9.44	41	6588	6.48	ug/l	96
49) 1,4-Dioxane	9.46	88	1966	107.34	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	37554	35.59	ug/l	100
52) Toluene	10.40	92	28316	4.67	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	13573	4.70	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	16292	4.92	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	9116	5.21	ug/l	96
56) Ethyl methacrylate	10.65	69	9680	5.34	ug/l	94
57) 1,3-Dichloropropane	10.94	76	14985	5.46	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	23638	29.97	ug/l	98
59) 2-Hexanone	10.98	43	24177	31.96	ug/l	100
60) Dibromochloromethane	11.13	129	9998	4.24	ug/l	98
61) 1,2-Dibromoethane	11.24	107	8544	5.26	ug/l	99
64) Tetrachloroethene	10.87	164	12337	4.36	ug/l	95
65) Chlorobenzene	11.66	112	33614	4.77	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	11316	4.23	ug/l	97
67) Ethyl Benzene	11.74	91	54830	4.76	ug/l	99
68) m/p-Xylenes	11.85	106	42414	9.15	ug/l	96
69) o-Xylene	12.17	106	19398	4.65	ug/l	99
70) Styrene	12.19	104	30682	4.42	ug/l	98
71) Bromoform	12.36	173	6058	4.12	ug/l #	98
73) Isopropylbenzene	12.48	105	53527	4.88	ug/l	100
74) N-amyl acetate	12.29	43	12370	6.97	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10802	6.47	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7833m	6.53	ug/l	
77) Bromobenzene	12.76	156	14567	5.08	ug/l	93
78) n-propylbenzene	12.82	91	62576	4.89	ug/l	99
79) 2-Chlorotoluene	12.90	91	36761	4.89	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	44010	4.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	2539	5.69	ug/l	91
82) 4-Chlorotoluene	13.00	91	39074	4.60	ug/l	100
83) tert-Butylbenzene	13.22	119	37797	4.50	ug/l	95
84) 1,2,4-Trimethylbenzene	13.26	105	45628	4.64	ug/l	97
85) sec-Butylbenzene	13.40	105	55700	4.78	ug/l	99
86) p-Isopropyltoluene	13.51	119	49112	4.59	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	28461	4.85	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	28539	4.87	ug/l	92
89) n-Butylbenzene	13.83	91	47091	4.91	ug/l	98
90) Hexachloroethane	14.11	117	8637	4.16	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	25880	5.04	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1843	5.90	ug/l	87

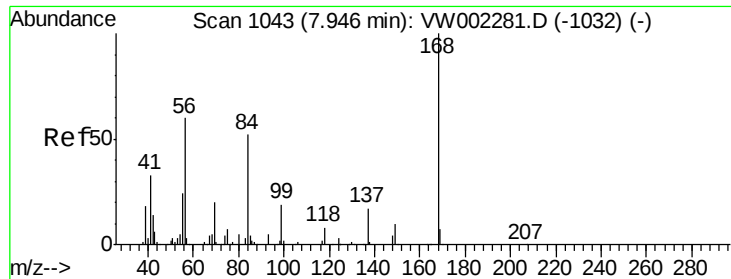
Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
Data File : VW002278.D
Acq On : 07 May 2018 23:46
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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18690	4.98	ug/l	98
94) Hexachlorobutadiene	15.26	225	10658	4.08	ug/l	99
95) Naphthalene	15.38	128	30287	5.42	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	16534	5.16	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

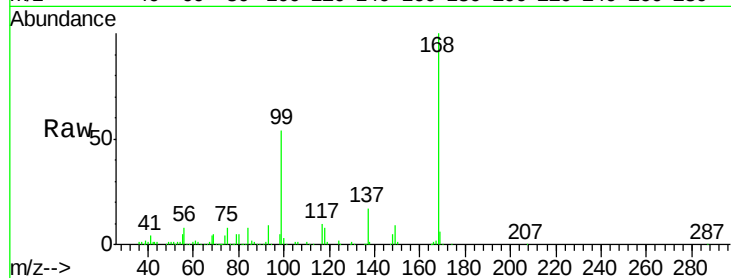
VSTDIC005

Tot Ion:168 Resp: 233385

Ion Ratio Lower Upper

168 100

99 53.8 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

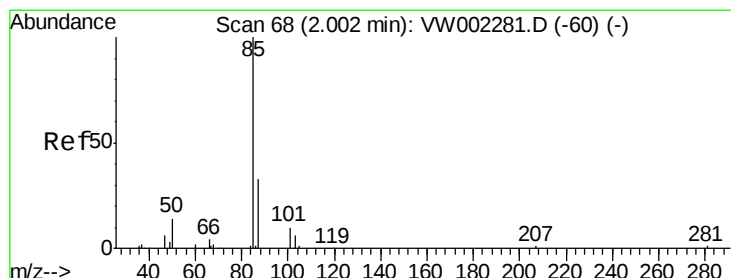
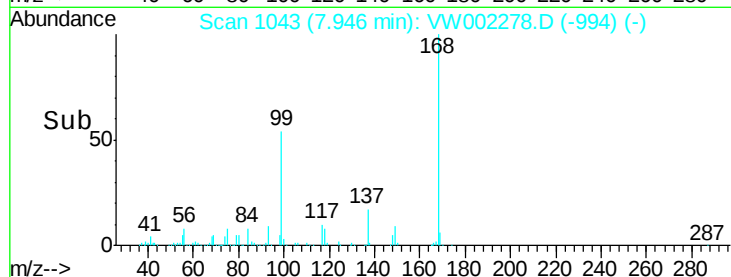
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 2.59 ug/l

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW002278.D

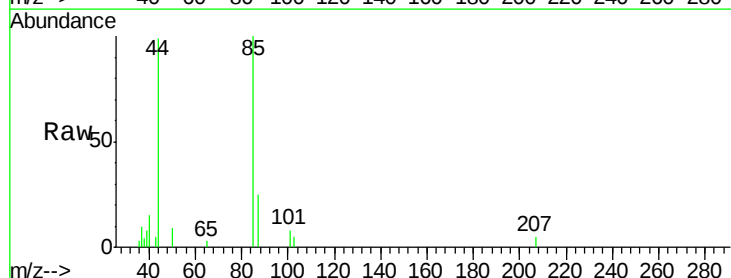
Acq: 07 May 2018 23:46

Tgt Ion: 85 Resp: 4648

Ion Ratio Lower Upper

85 100

87 24.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

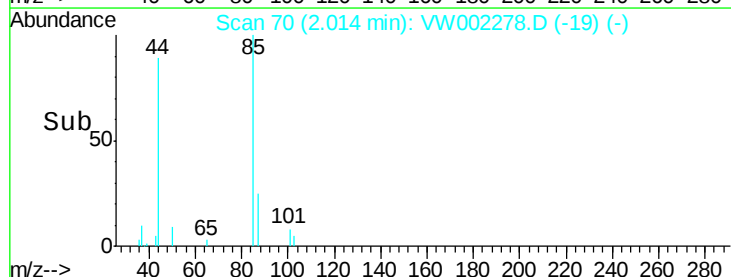
1500

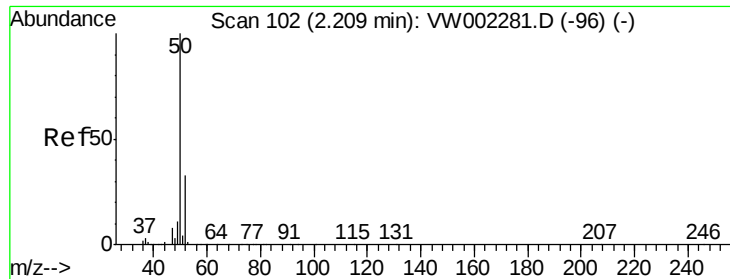
1000

500

0

Time-->





#3

Chloromethane

Concen: 6.00 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

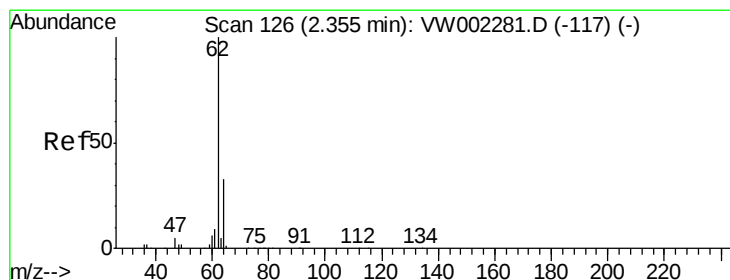
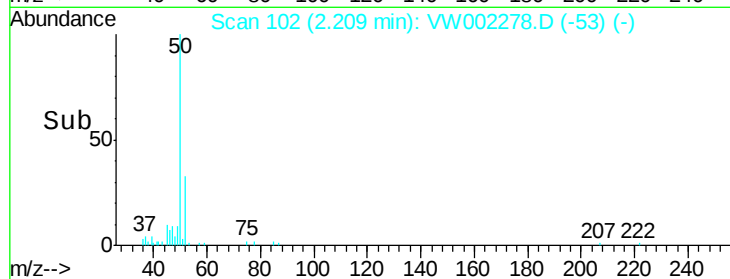
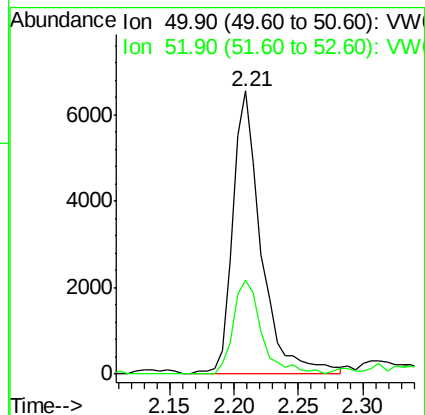
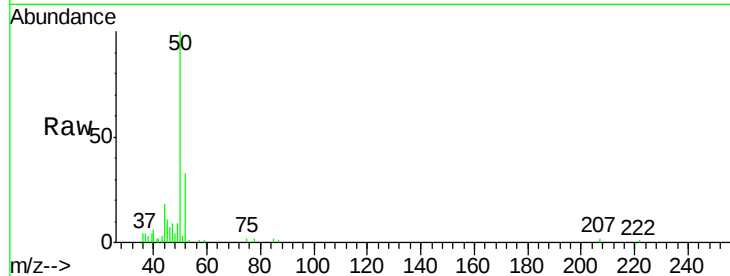
VSTDIC005

Tot Ion: 50 Resp: 10151

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



#4

Vinyl Chloride

Concen: 7.78 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002278.D

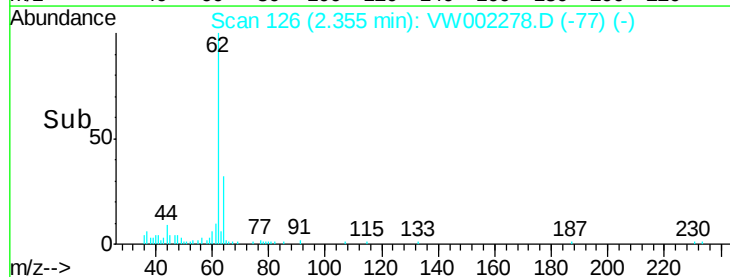
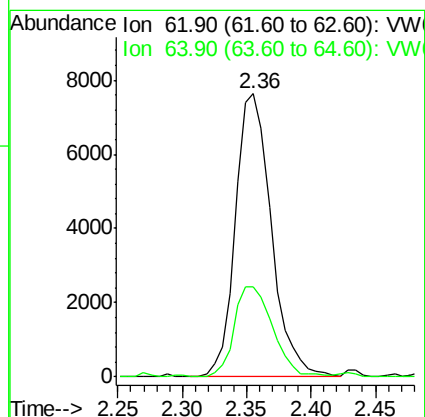
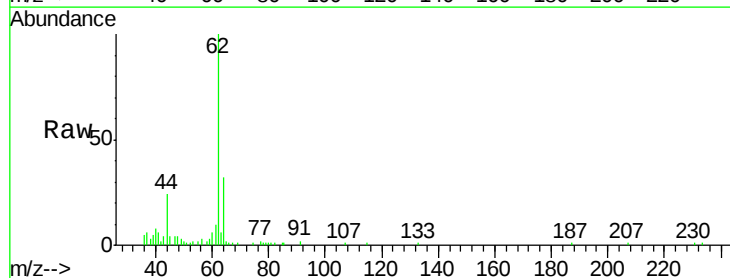
Acq: 07 May 2018 23:46

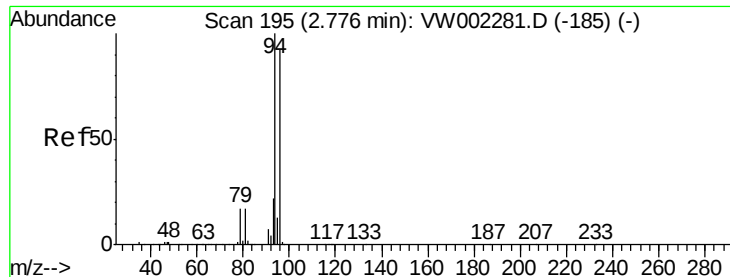
Tgt Ion: 62 Resp: 14776

Ion Ratio Lower Upper

62 100

64 31.9 26.1 39.1





#5

Bromomethane

Concen: 7.42 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

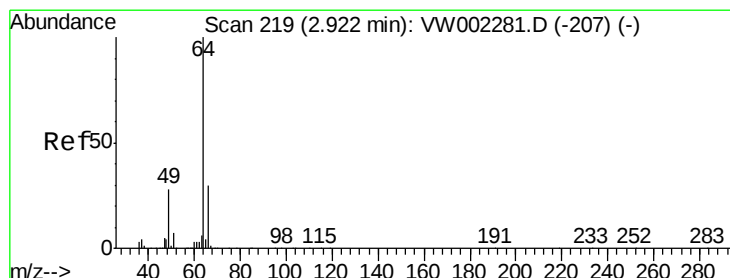
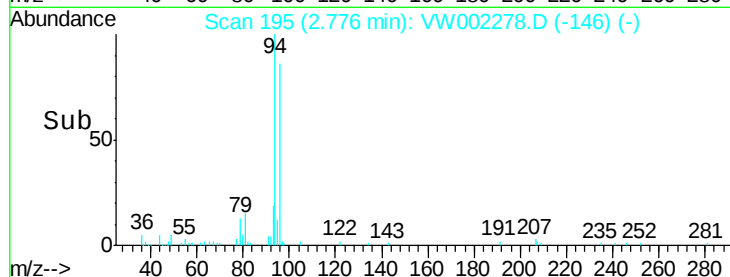
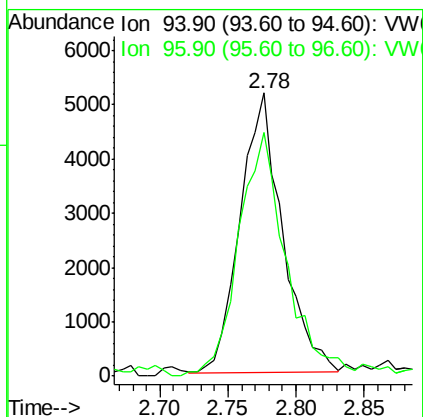
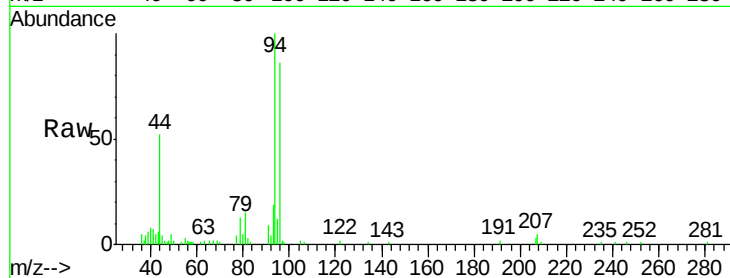
VSTDIC005

Tot Ion: 94 Resp: 11207

Ion Ratio Lower Upper

94 100

96 86.2 73.6 110.4



#6

Chloroethane

Concen: 8.37 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW002278.D

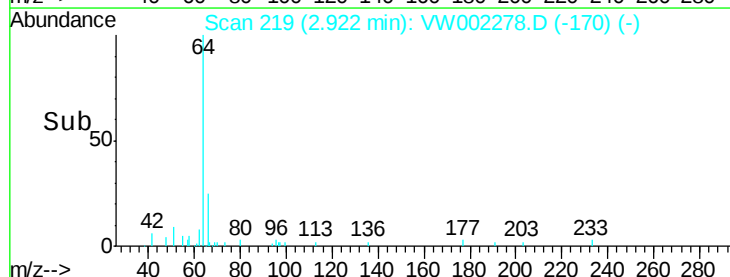
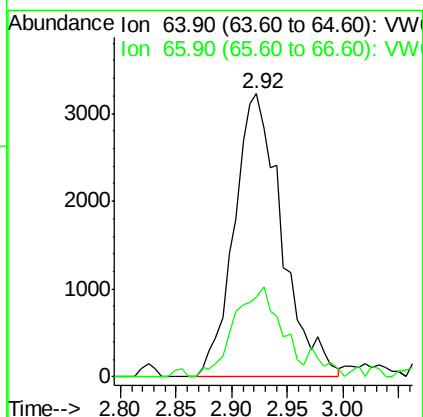
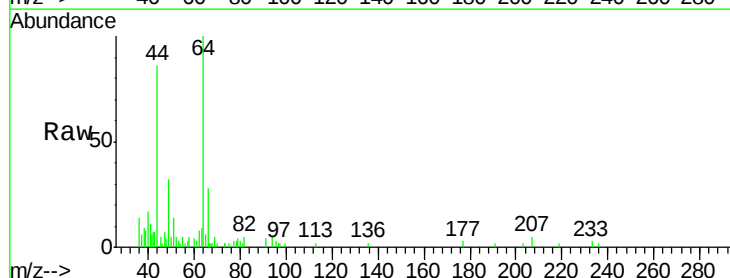
Acq: 07 May 2018 23:46

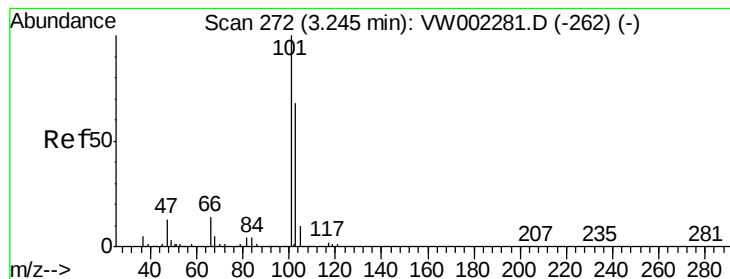
Tgt Ion: 64 Resp: 9598

Ion Ratio Lower Upper

64 100

66 28.1 23.8 35.6





#7

Trichlorofluoromethane

Concen: 1.82 ug/l

RT: 3.25 min Scan# 272

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

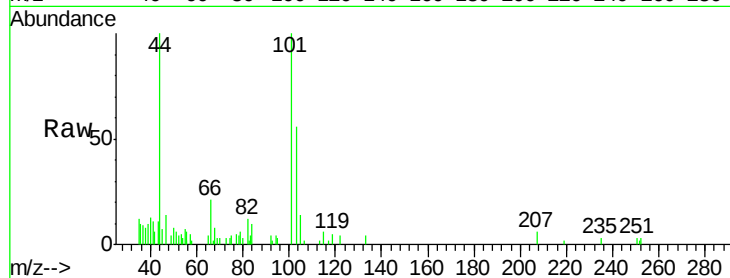
VSTDIC005

Tot Ion:101 Resp: 5767

Ion Ratio Lower Upper

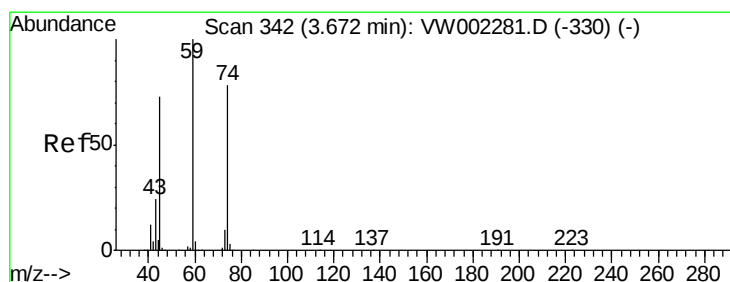
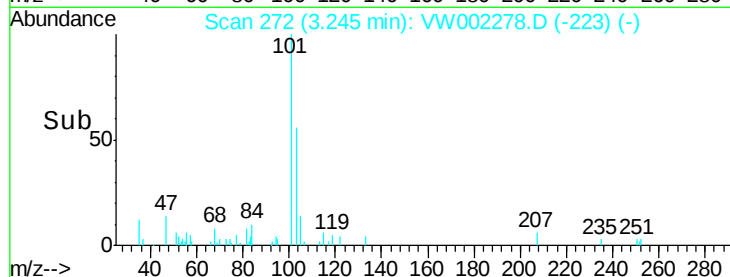
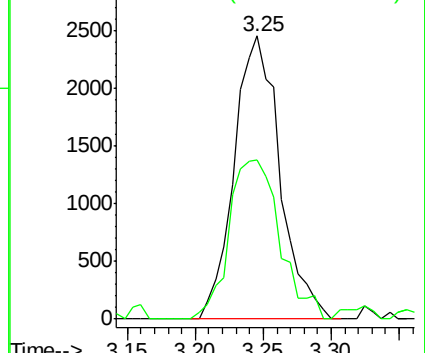
101 100

103 56.4 54.6 82.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 7.99 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.00 min

Lab File: VW002278.D

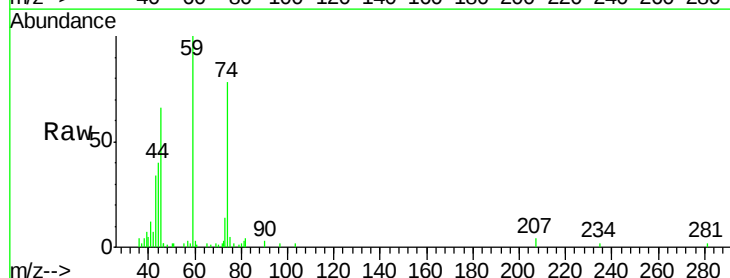
Acq: 07 May 2018 23:46

Tgt Ion: 74 Resp: 7235

Ion Ratio Lower Upper

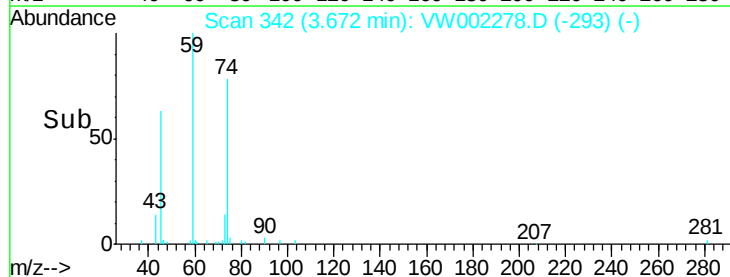
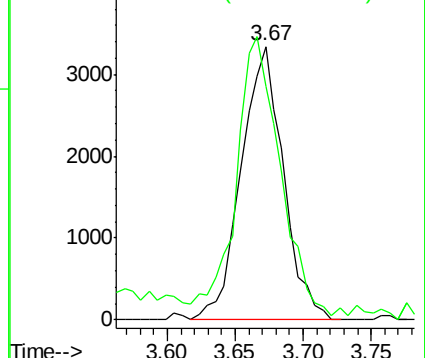
74 100

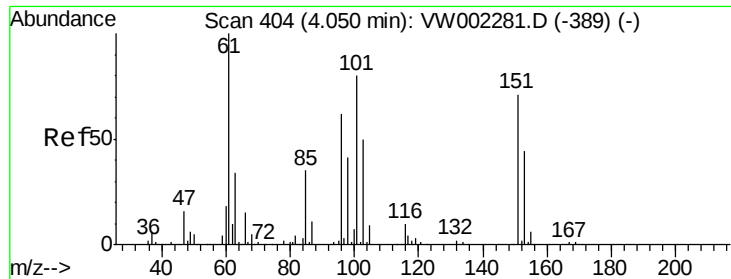
45 105.3 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.21 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

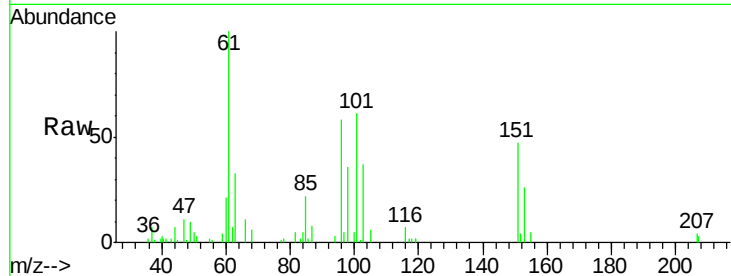
Tot Ion:101 Resp: 11022

Ion Ratio Lower Upper

101 100

85 44.6 35.9 53.9

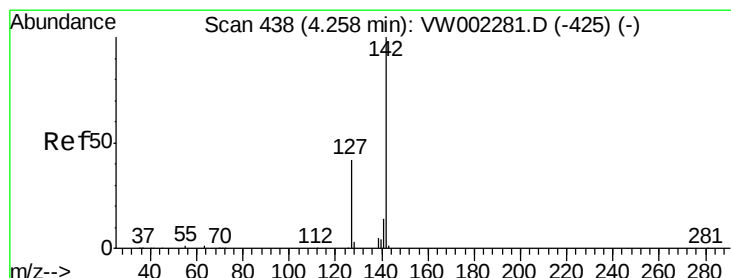
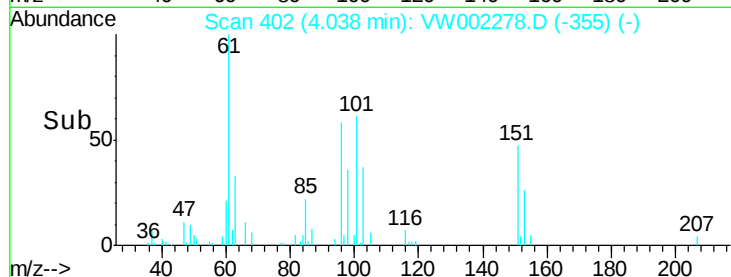
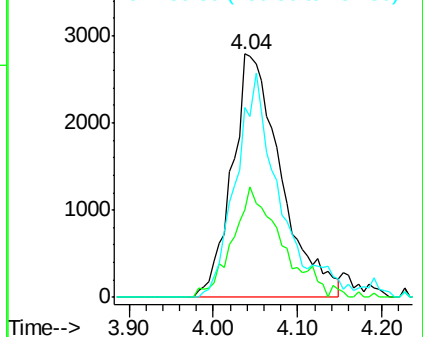
151 74.9 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.13 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

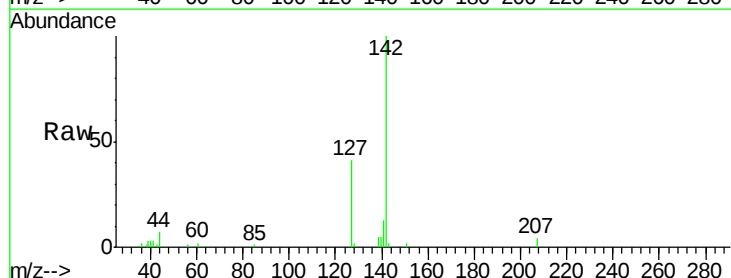
Tgt Ion:142 Resp: 16883

Ion Ratio Lower Upper

142 100

127 43.3 34.7 52.1

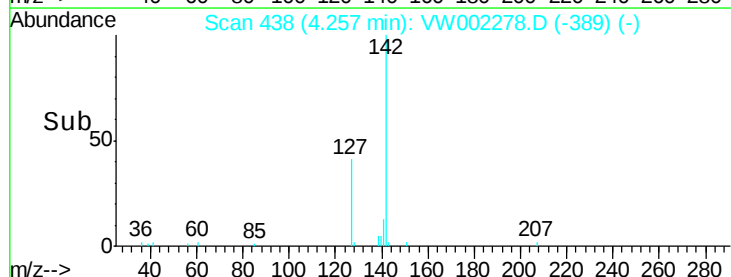
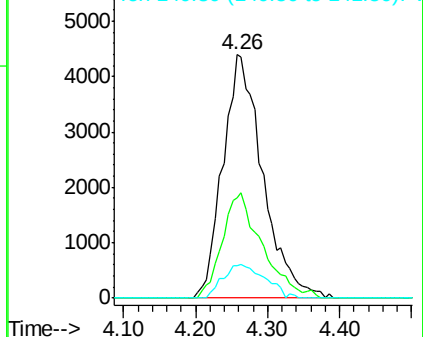
141 14.6 11.9 17.9

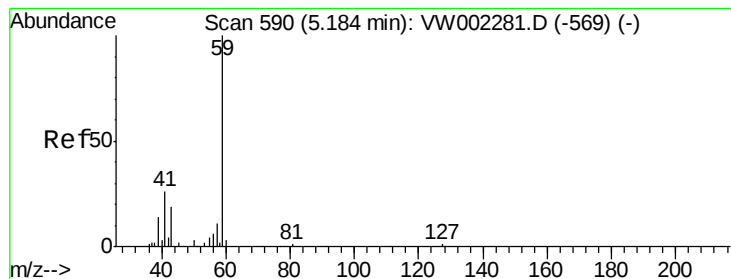


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 35.87 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampled :

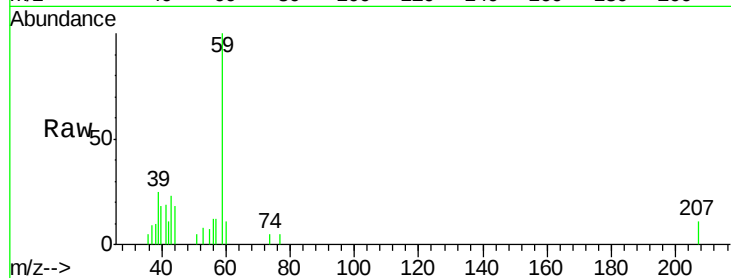
VSTDIC005

Tot Ion: 59 Resp: 4515

Ion Ratio Lower Upper

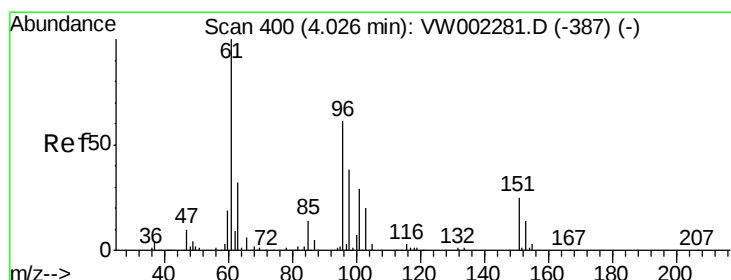
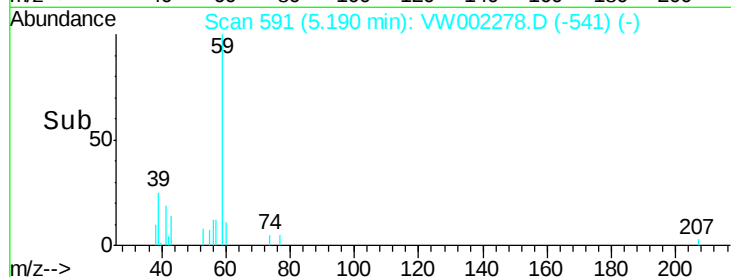
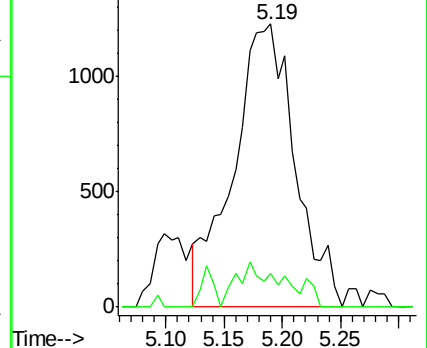
59 100

57 6.3 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 5.96 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

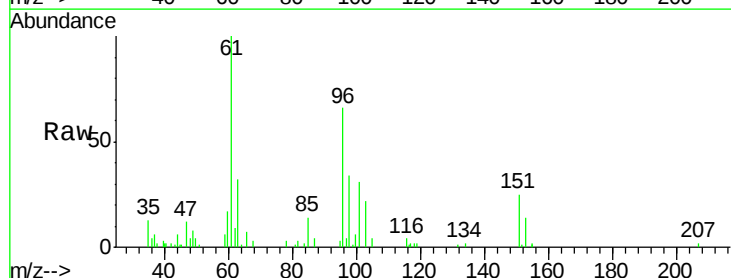
Tgt Ion: 96 Resp: 10901

Ion Ratio Lower Upper

96 100

61 152.7 130.6 196.0

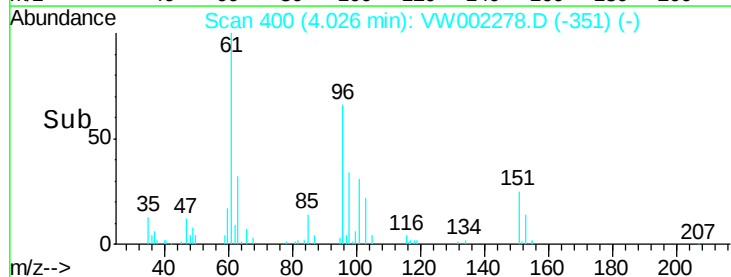
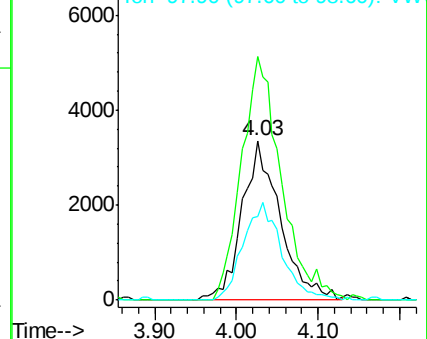
98 52.1 49.0 73.4

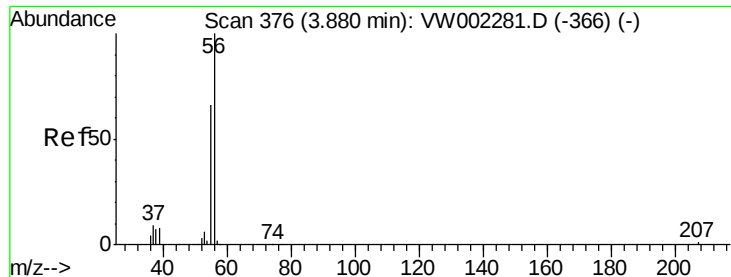


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 38.10 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

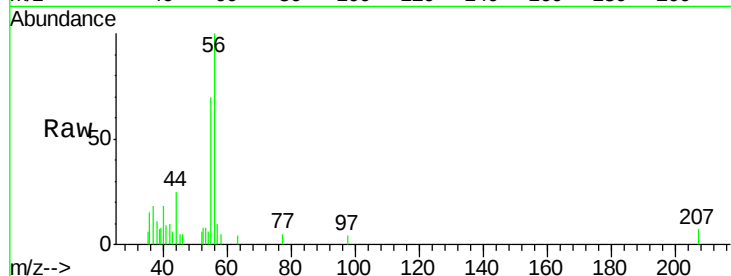
VSTDIC005

Tot Ion: 56 Resp: 3868

Ion Ratio Lower Upper

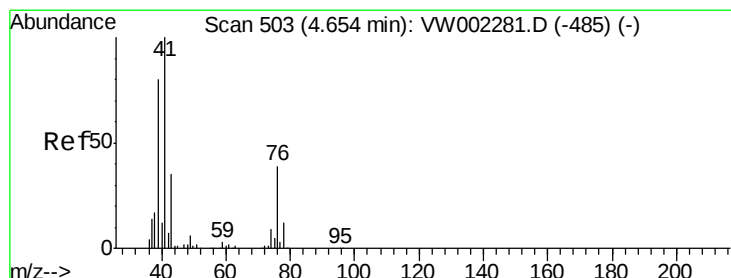
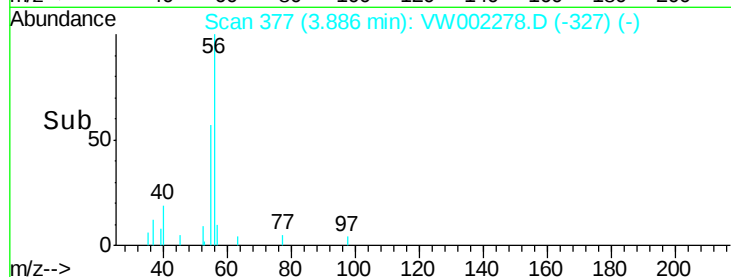
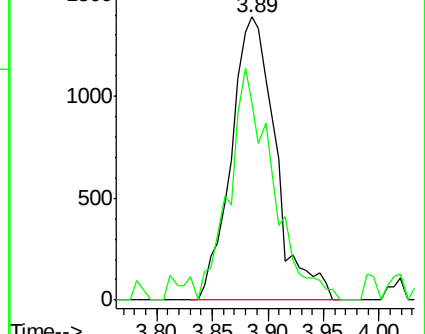
56 100

55 79.3 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 6.67 ug/l

RT: 4.65 min Scan# 502

Delta R.T. -0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

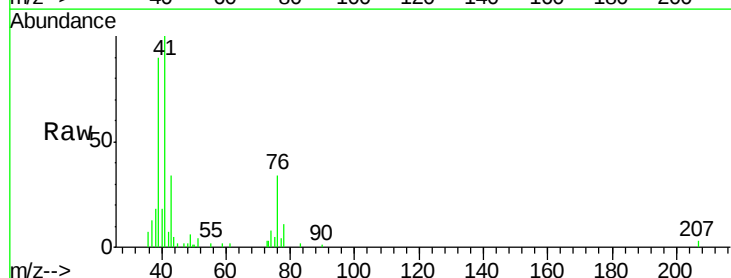
Tgt Ion: 41 Resp: 15198

Ion Ratio Lower Upper

41 100

39 76.6 61.7 92.5

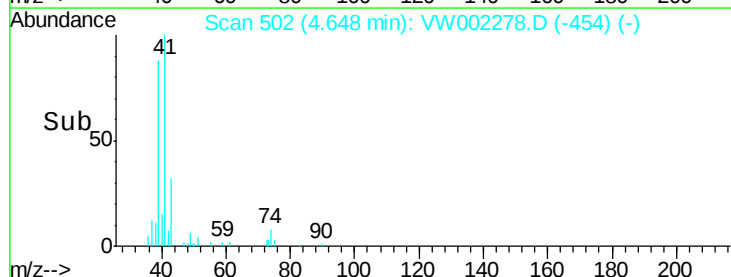
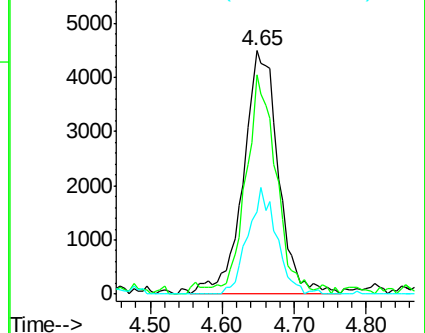
76 35.8 29.8 44.6

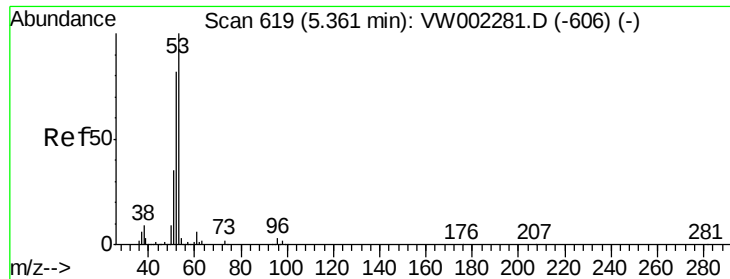


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 38.32 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

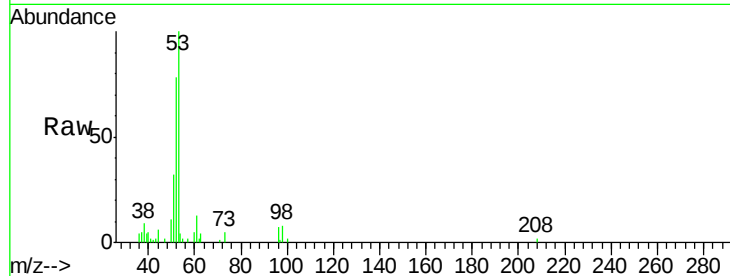
Tot Ion: 53 Resp: 13120

Ion Ratio Lower Upper

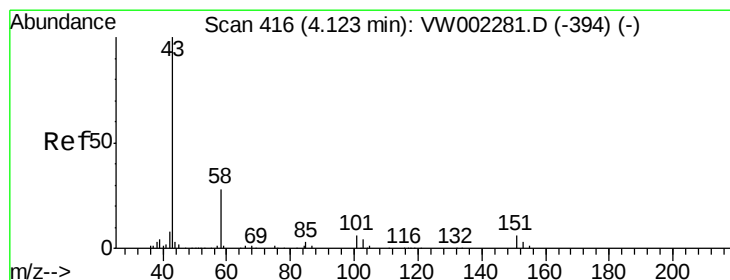
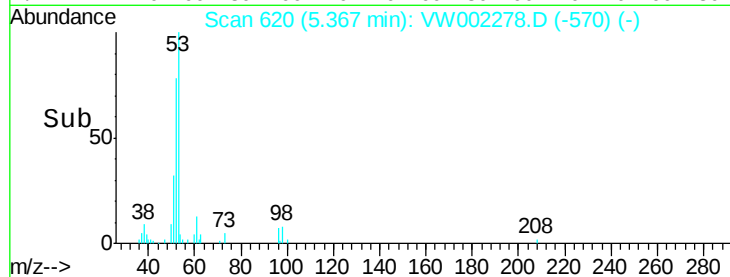
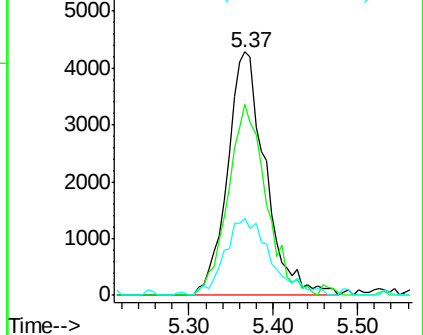
53 100

52 78.6 67.9 101.9

51 38.3 30.0 45.0



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 34.09 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002278.D

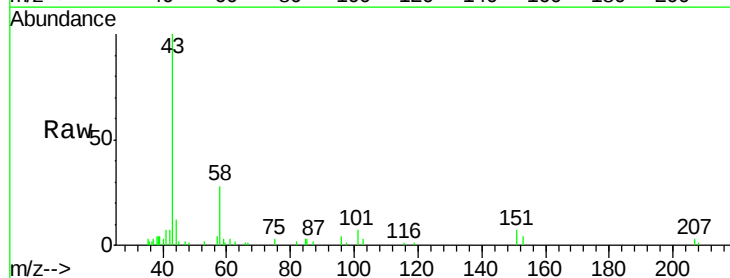
Acq: 07 May 2018 23:46

Tgt Ion: 43 Resp: 13729

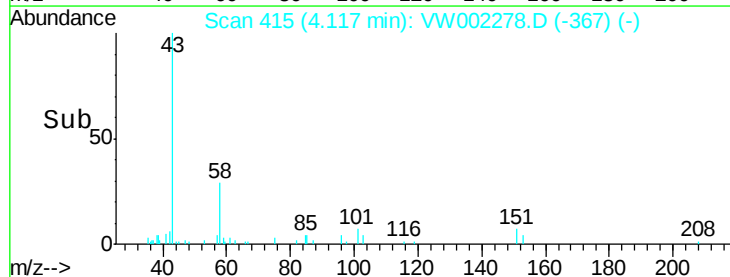
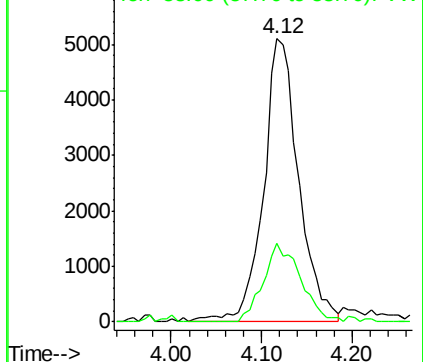
Ion Ratio Lower Upper

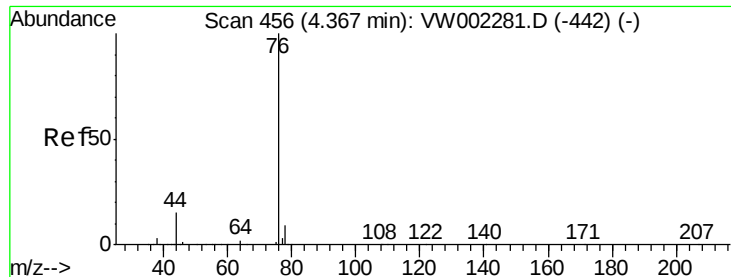
43 100

58 27.8 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

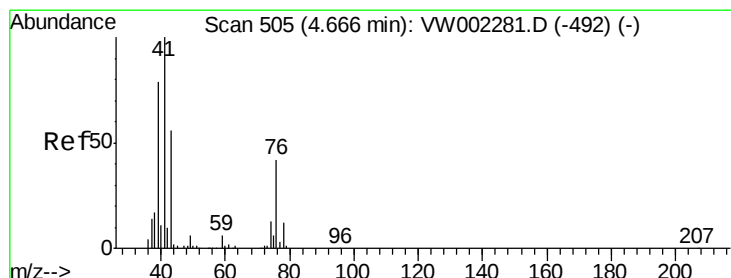
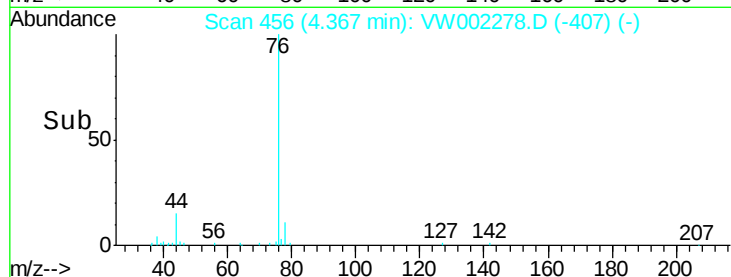
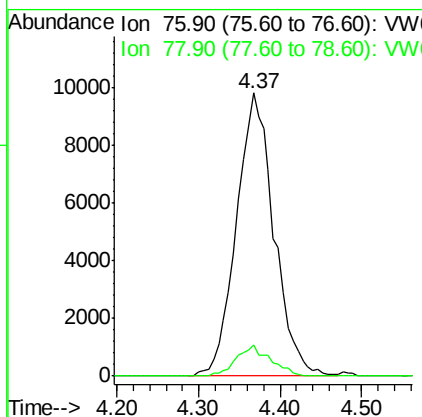
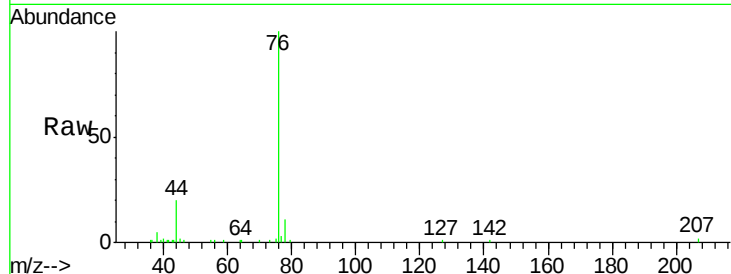




#17
Carbon Disulfide
Concen: 5.45 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

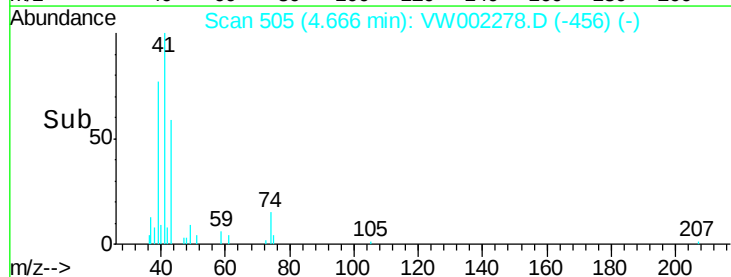
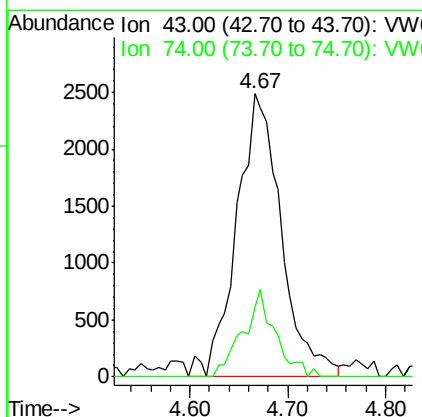
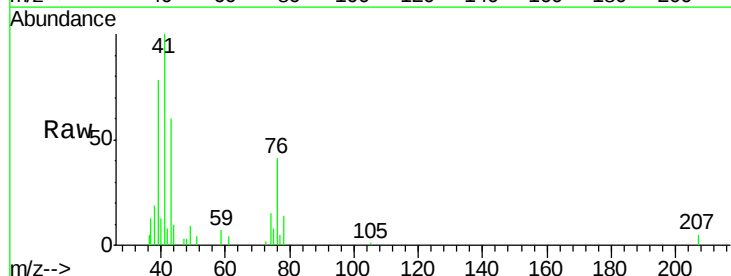
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

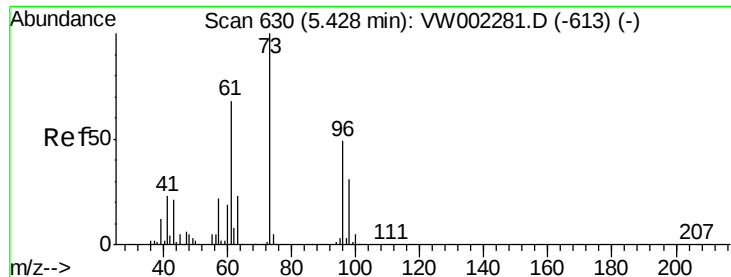
Tot Ion: 76 Resp: 31316
Ion Ratio Lower Upper
76 100
78 10.9 6.9 10.3#



#18
Methyl Acetate
Concen: 8.95 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 43 Resp: 7922
Ion Ratio Lower Upper
43 100
74 22.5 19.4 29.2



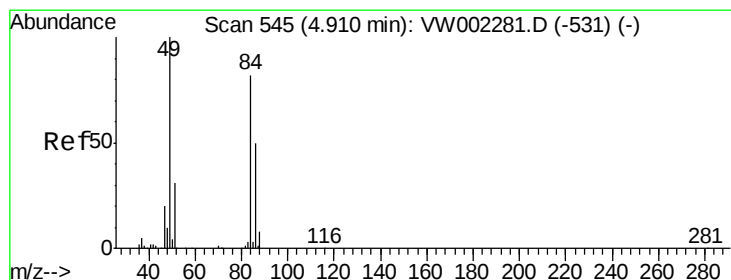
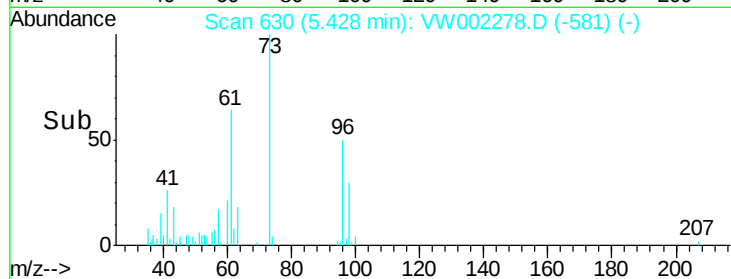
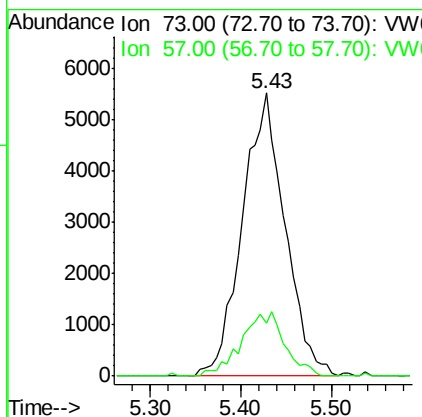
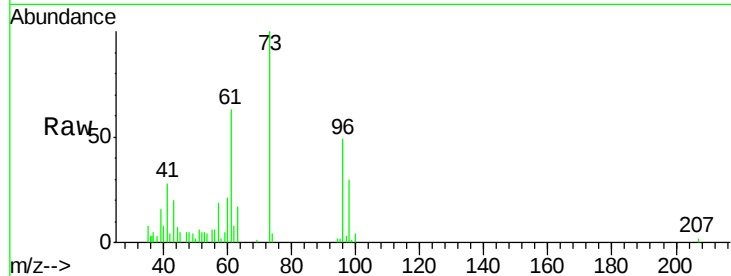


#19

Methyl tert-butyl Ether
 Concen: 4.84 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

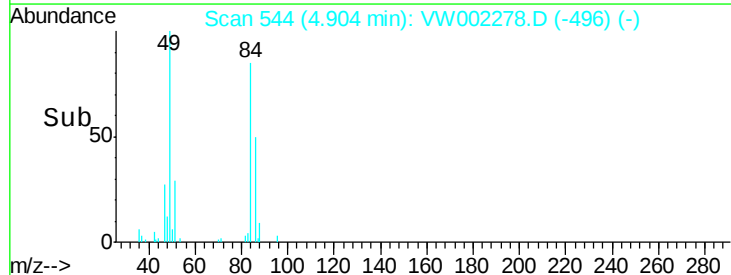
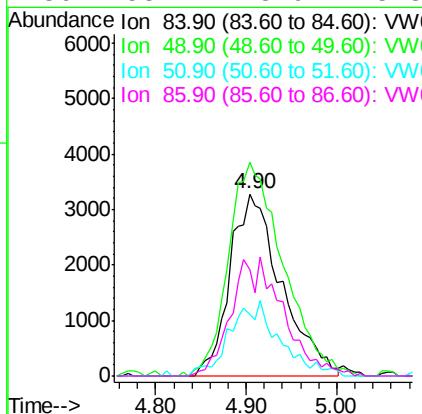
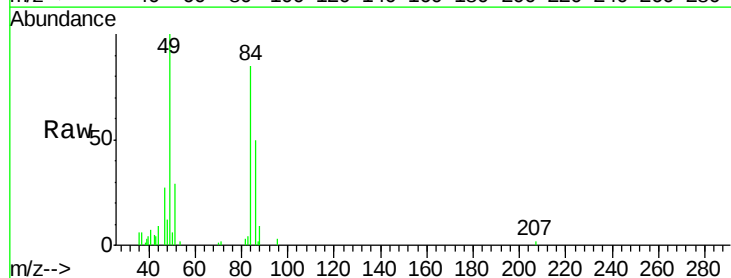
Tot Ion: 73 Resp: 17965
 Ion Ratio Lower Upper
 73 100
 57 18.6 17.7 26.5

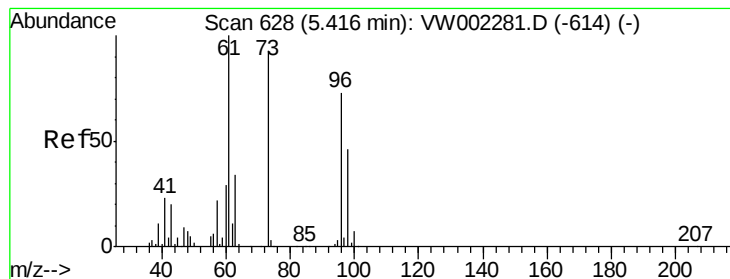


#20

Methylene Chloride
 Concen: 5.66 ug/l
 RT: 4.90 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion: 84 Resp: 12865
 Ion Ratio Lower Upper
 84 100
 49 117.3 97.7 146.5
 51 34.0 30.2 45.4
 86 58.1 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 5.51 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

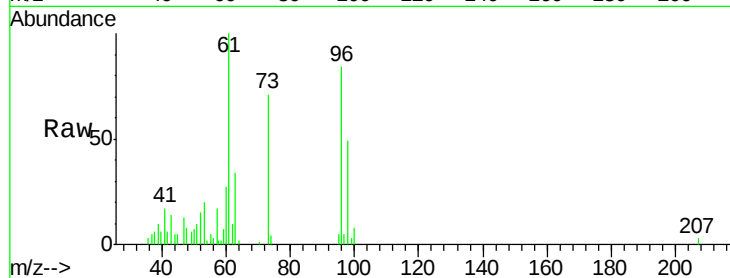
Tot Ion: 96 Resp: 11251

Ion Ratio Lower Upper

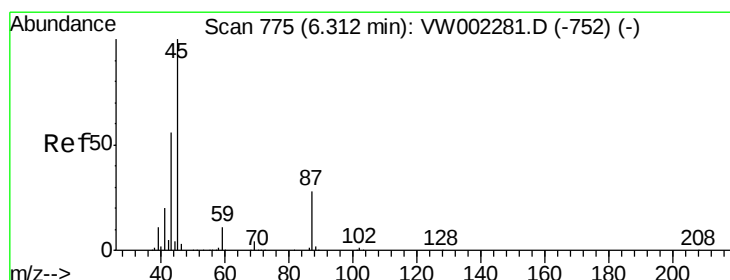
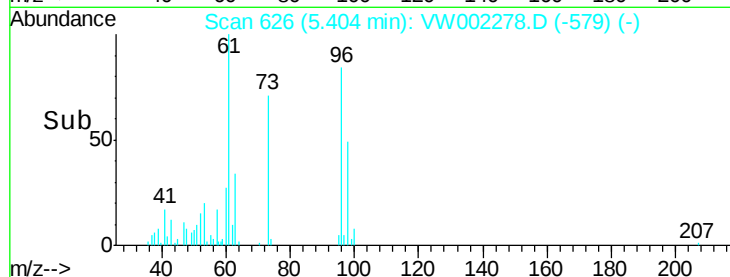
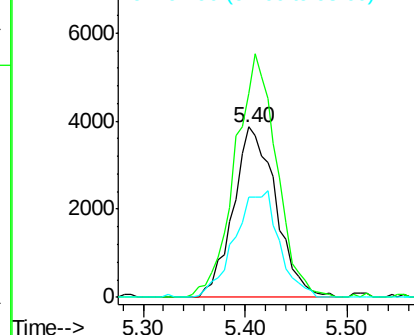
96 100

61 119.6 109.5 164.3

98 58.9 50.2 75.4



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: 6.90 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Tgt Ion: 45 Resp: 31396

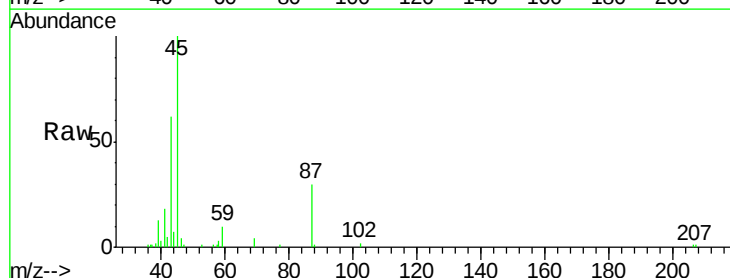
Ion Ratio Lower Upper

45 100

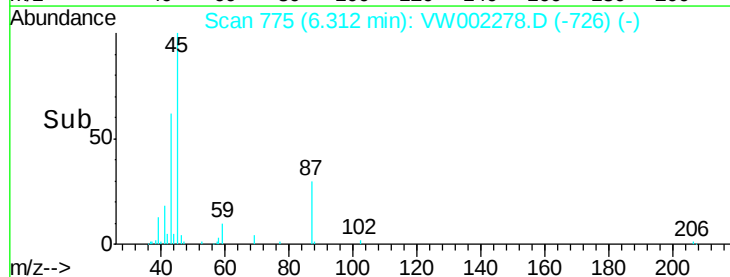
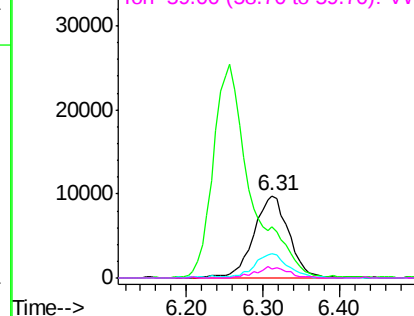
43 60.8 44.5 66.7

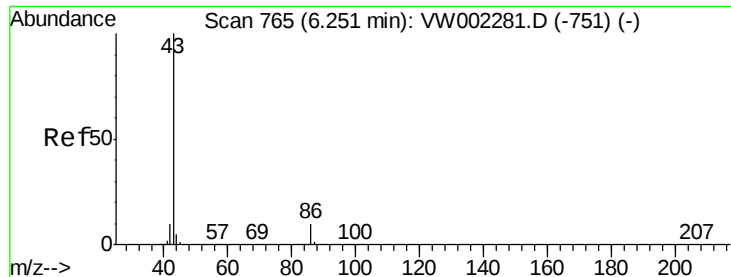
87 30.3 22.2 33.4

59 10.4 8.9 13.3



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: 35.93 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

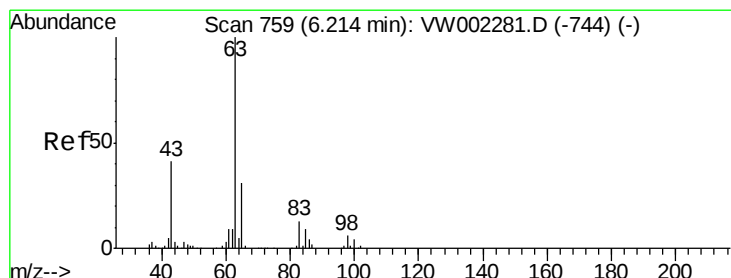
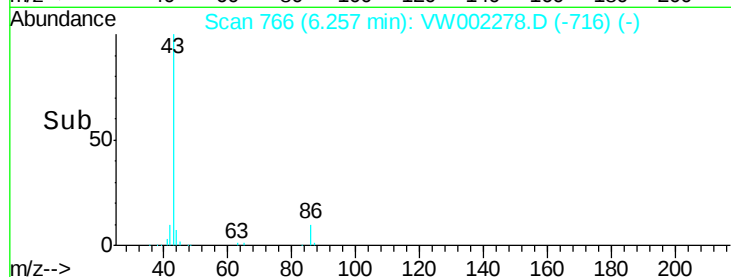
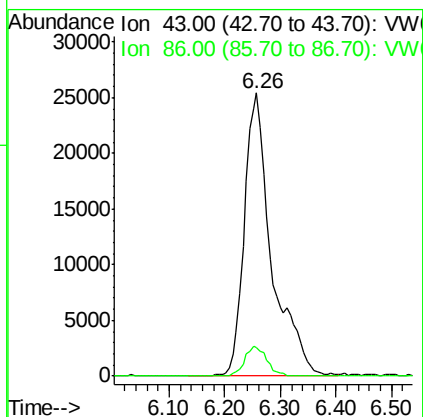
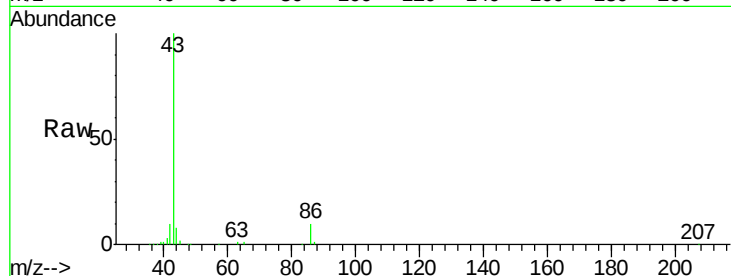
VSTDIC005

Tot Ion: 43 Resp: 87094

Ion Ratio Lower Upper

43 100

86 10.0 7.9 11.9



#24

1,1-Dichloroethane

Concen: 6.15 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

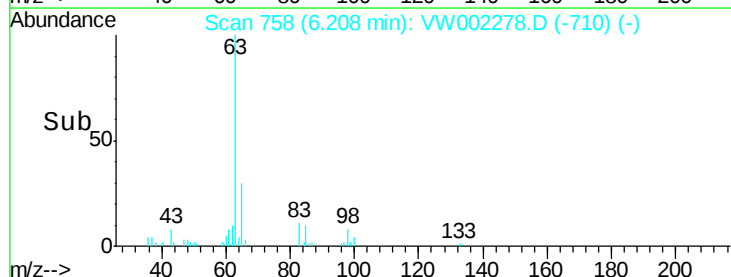
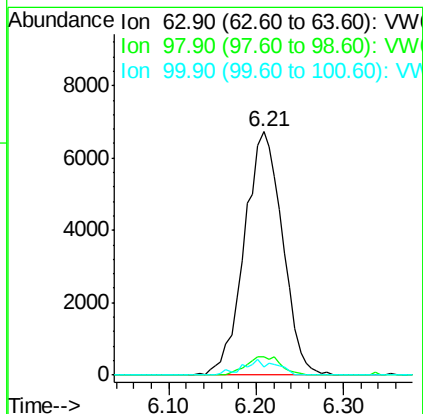
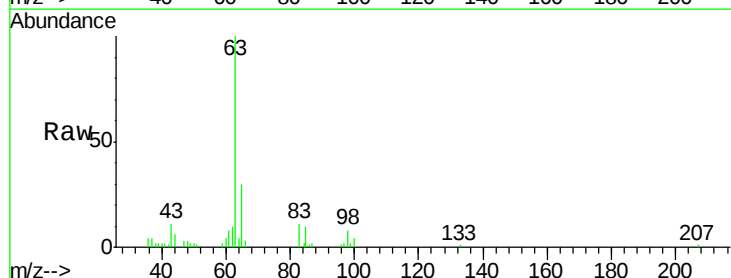
Tgt Ion: 63 Resp: 20422

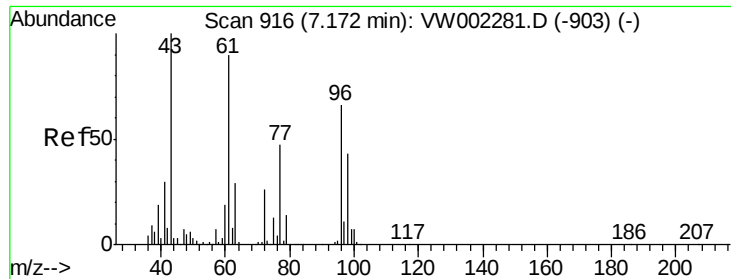
Ion Ratio Lower Upper

63 100

98 7.6 2.9 8.7

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 38.69 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampled :

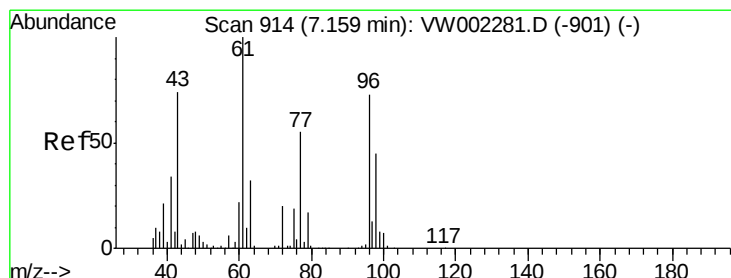
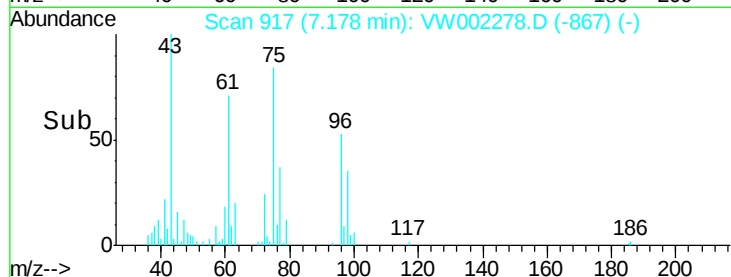
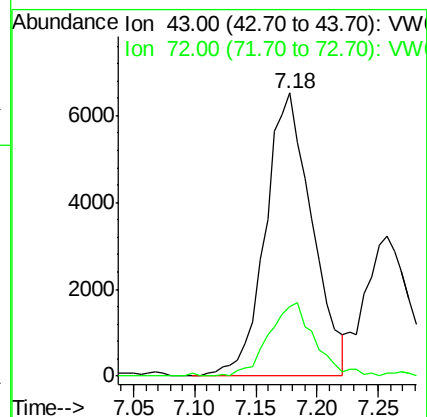
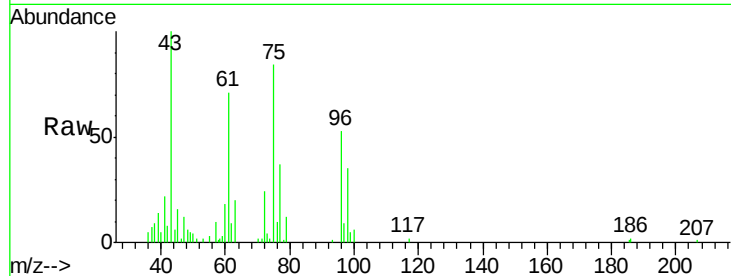
VSTDIC005

Tot Ion: 43 Resp: 17341

Ion Ratio Lower Upper

43 100

72 23.5 20.6 31.0



#26

2,2-Dichloropropane

Concen: 3.54 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW002278.D

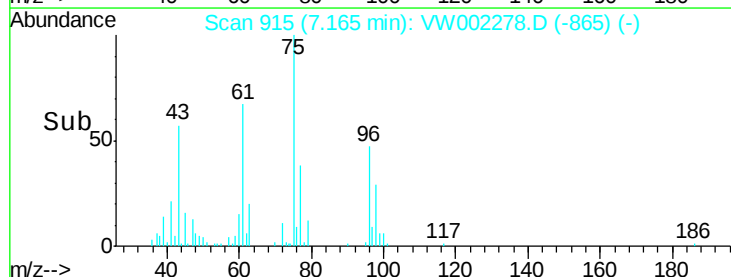
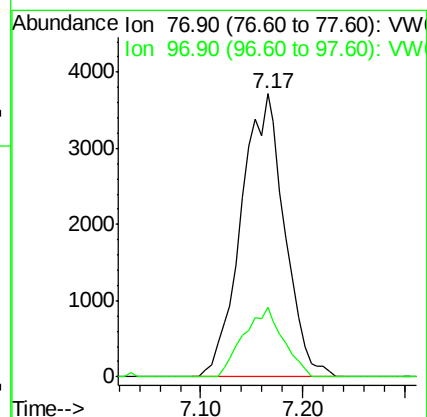
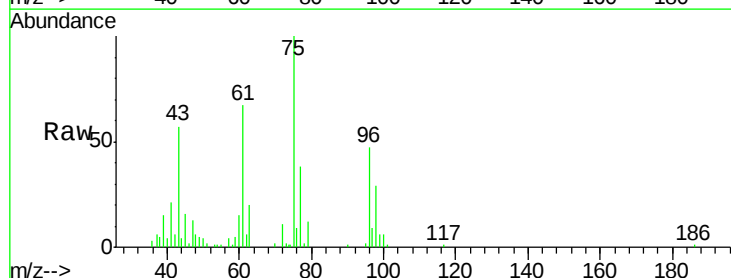
Acq: 07 May 2018 23:46

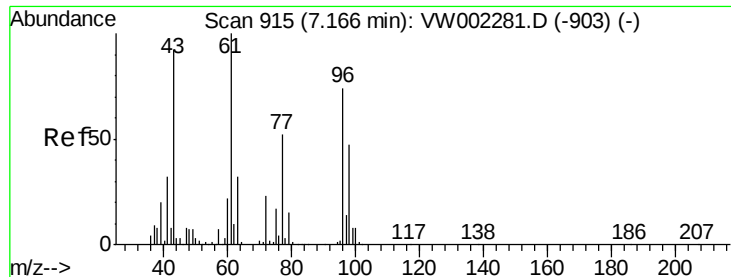
Tgt Ion: 77 Resp: 11003

Ion Ratio Lower Upper

77 100

97 22.4 12.7 38.0

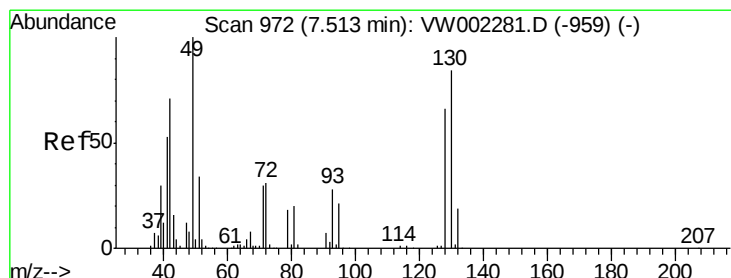
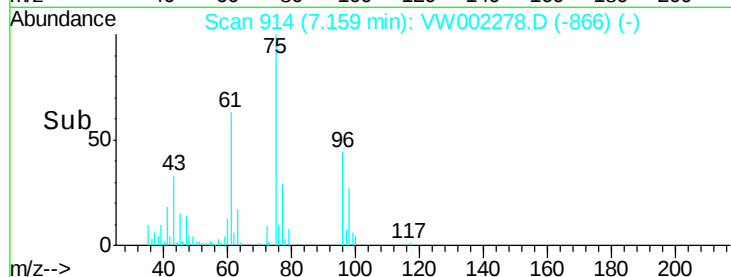
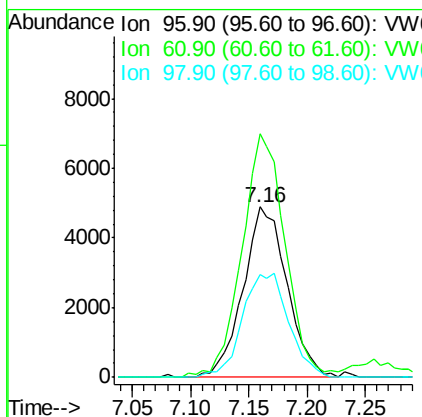
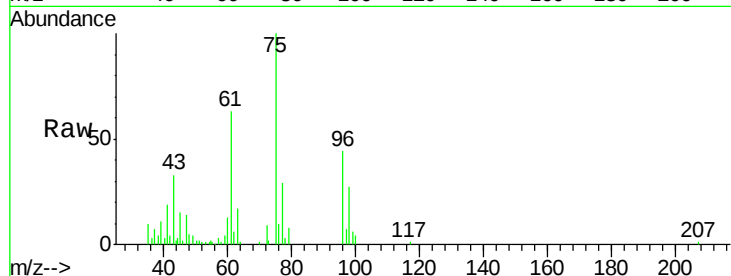




#27
 cis-1,2-Dichloroethene
 Concen: 5.93 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

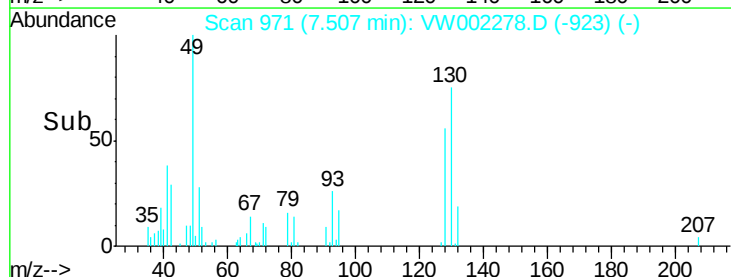
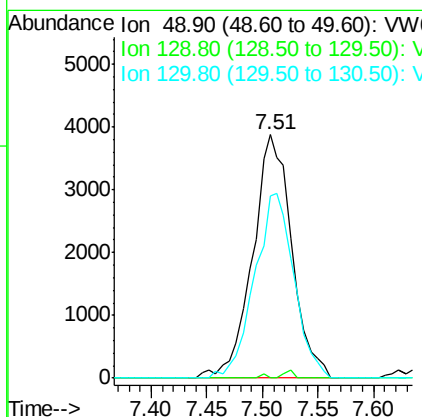
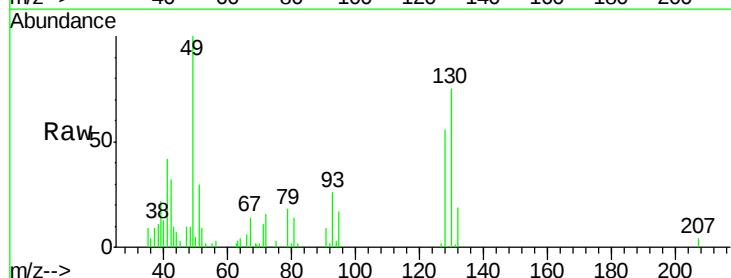
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

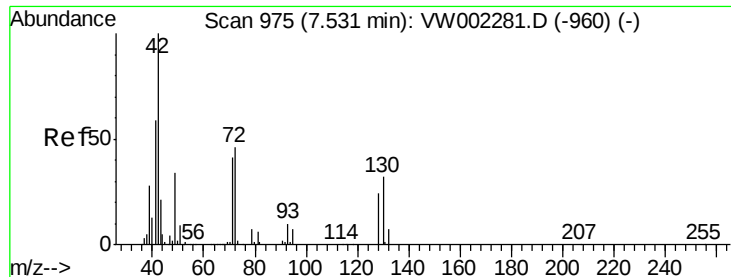
Tot Ion: 96 Resp: 12811
 Ion Ratio Lower Upper
 96 100
 61 140.7 0.0 274.8
 98 64.2 0.0 128.4



#28
 Bromochloromethane
 Concen: 8.12 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion: 49 Resp: 9472
 Ion Ratio Lower Upper
 49 100
 129 0.2 0.0 2.4
 130 76.7 65.5 98.3

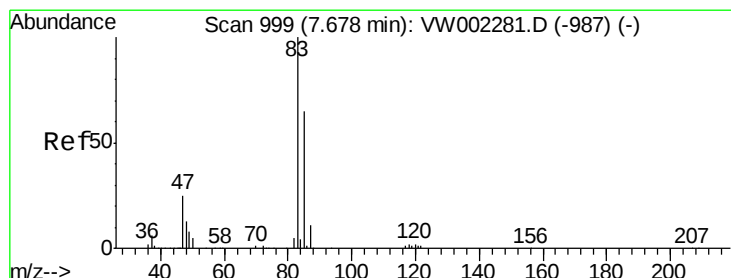
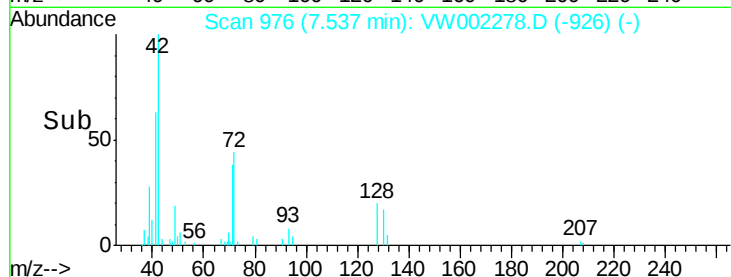
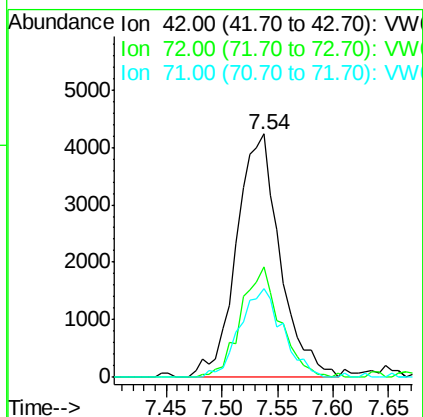
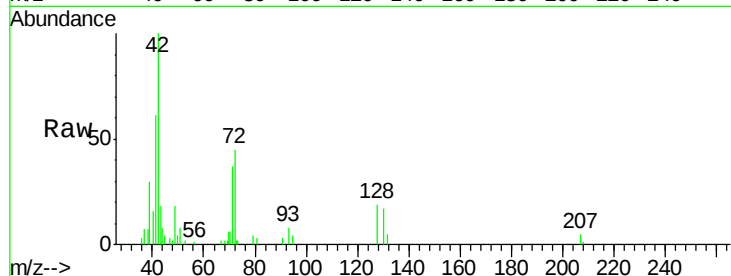




#29
Tetrahydrofuran
Concen: 44.14 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

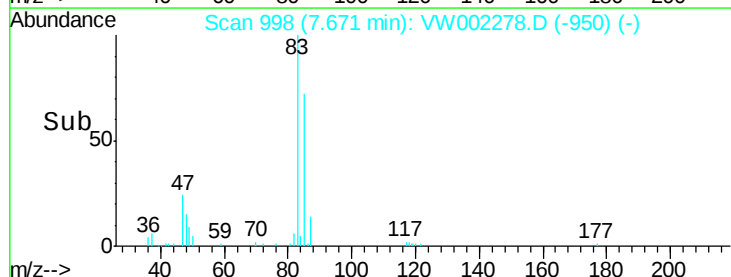
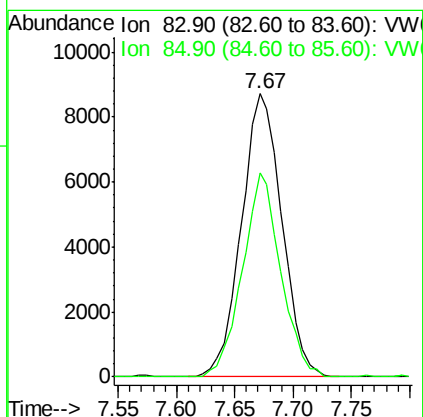
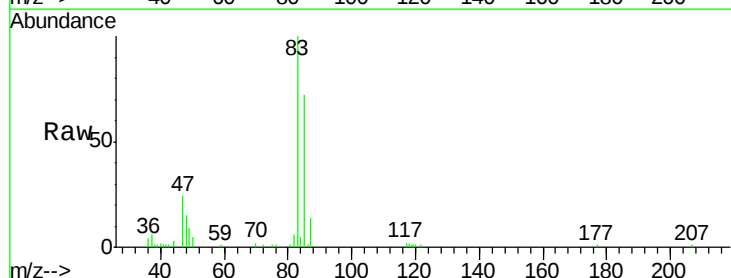
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

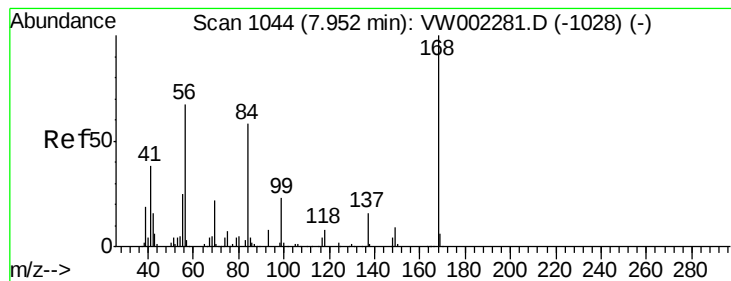
Tot Ion: 42 Resp: 11501
Ion Ratio Lower Upper
42 100
72 41.0 34.5 51.7
71 35.8 33.0 49.6



#30
Chloroform
Concen: 5.48 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 83 Resp: 21044
Ion Ratio Lower Upper
83 100
85 72.0 51.8 77.6





#31

Cyclohexane

Concen: 6.91 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

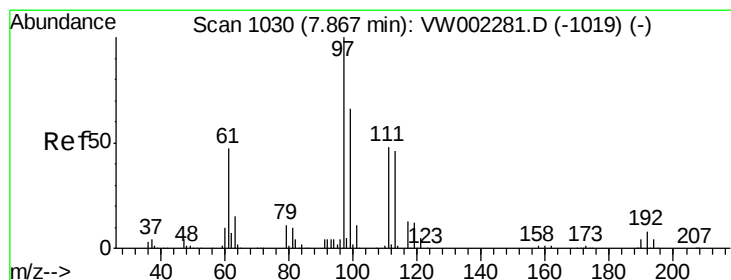
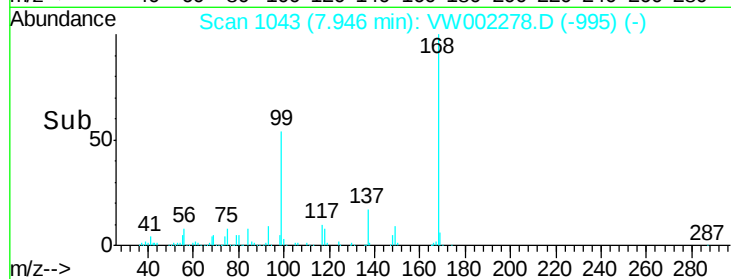
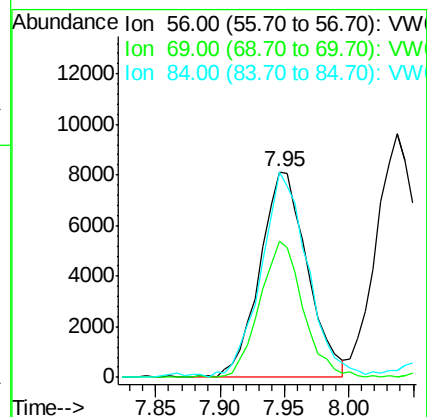
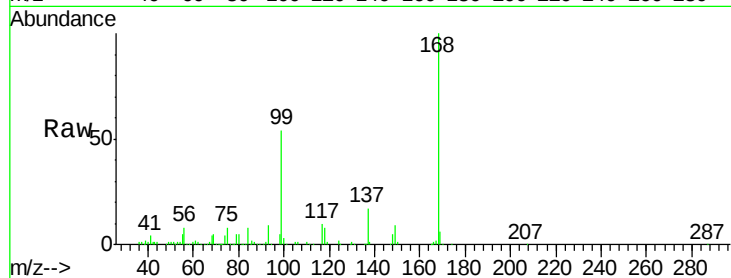
Tot Ion: 56 Resp: 20783

Ion Ratio Lower Upper

56 100

69 66.1 26.2 39.4#

84 98.4 69.2 103.8



#32

1,1,1-Trichloroethane

Concen: 4.36 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

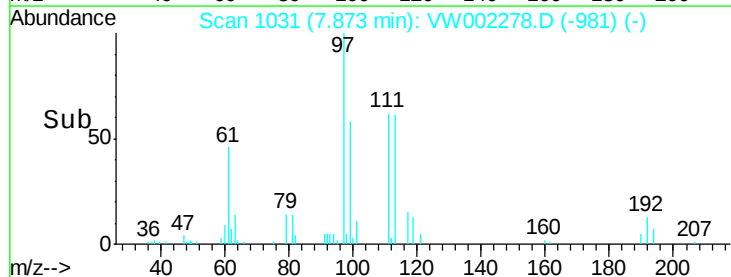
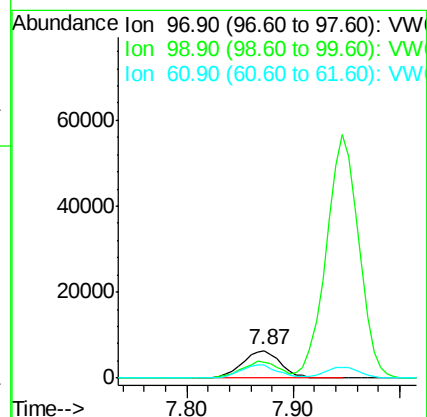
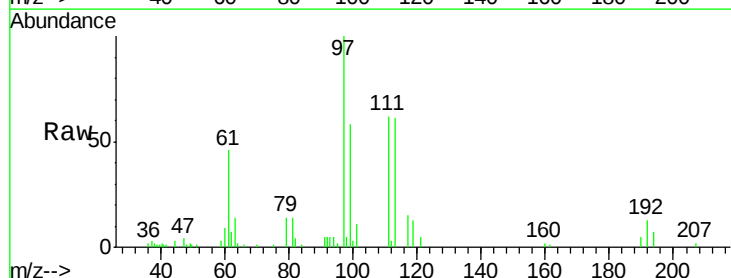
Tgt Ion: 97 Resp: 16073

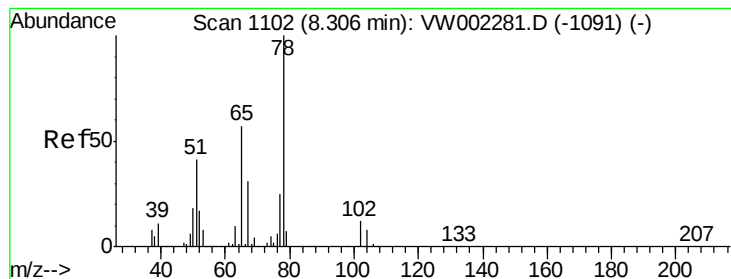
Ion Ratio Lower Upper

97 100

99 59.0 52.6 79.0

61 47.2 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 6.03 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

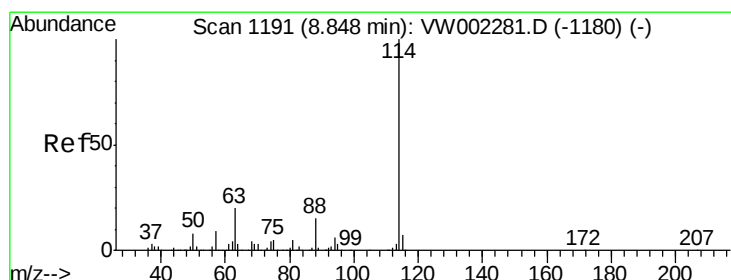
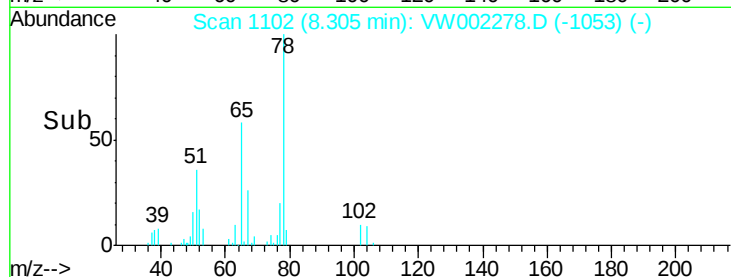
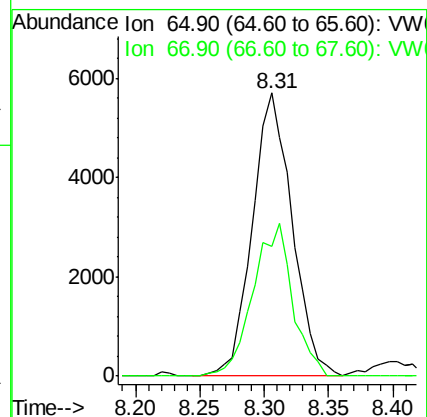
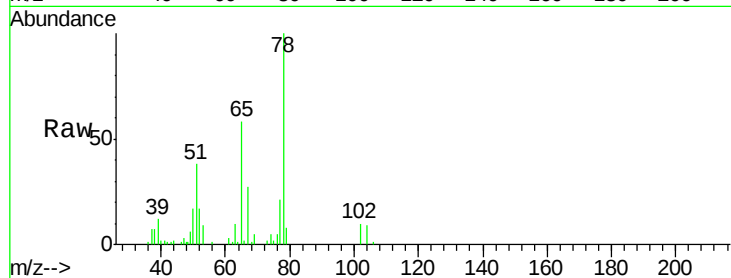
VSTDIC005

Tot Ion: 65 Resp: 12200

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

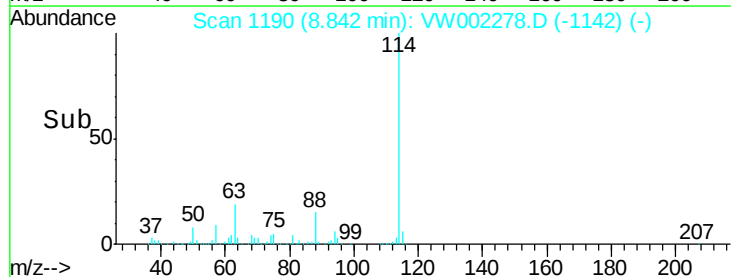
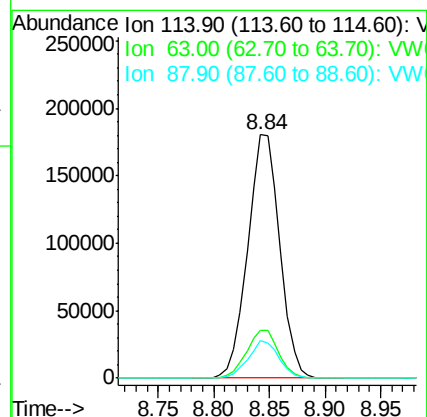
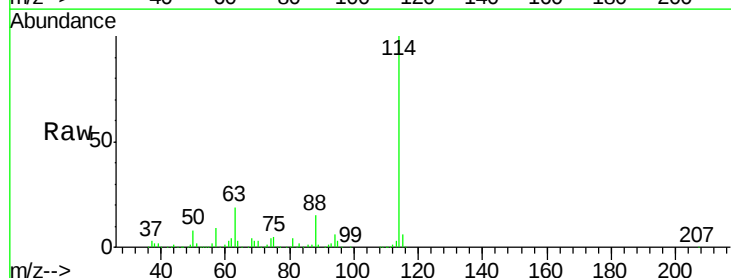
Tgt Ion: 114 Resp: 359812

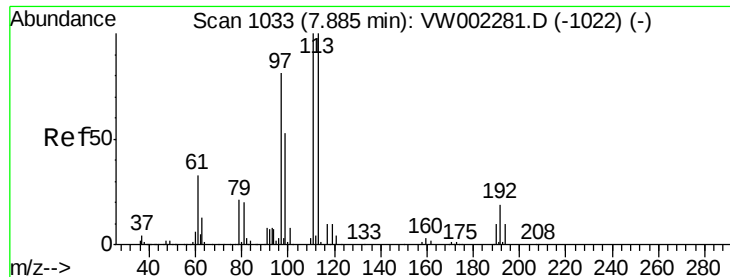
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 15.2 0.0 29.6

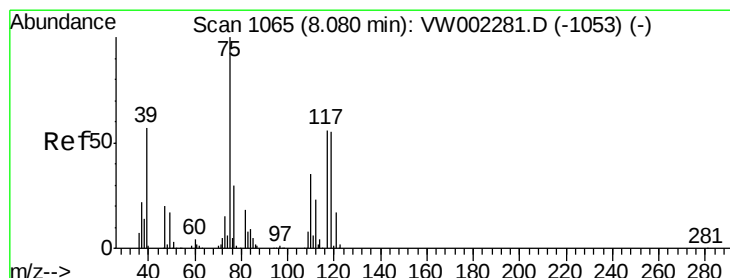
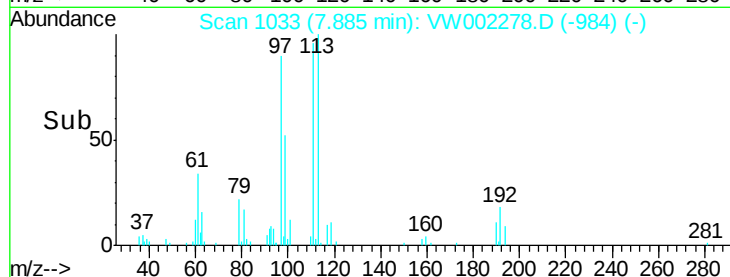
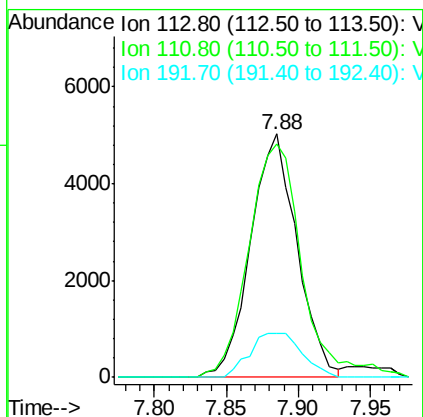
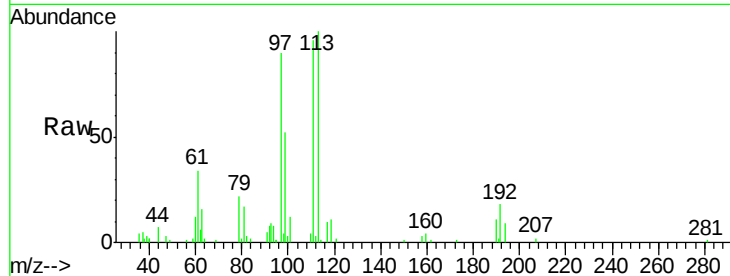




#35
Dibromofluoromethane
Concen: 4.96 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

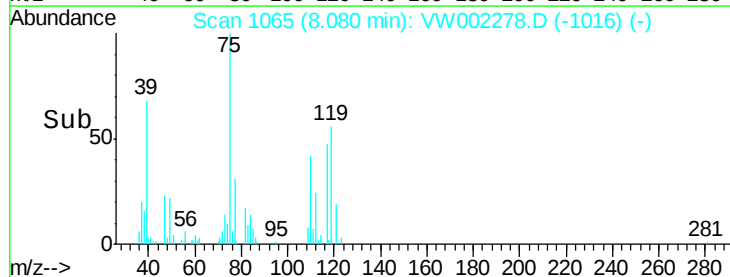
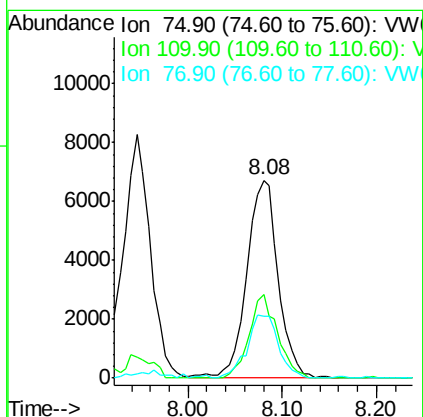
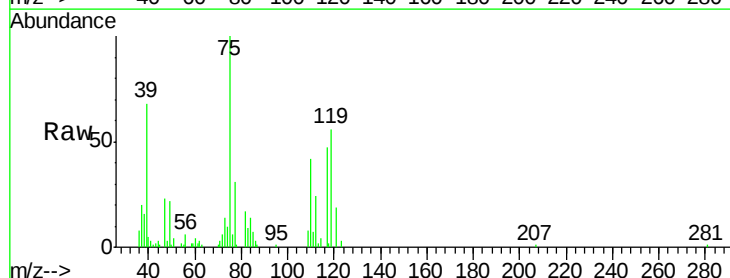
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

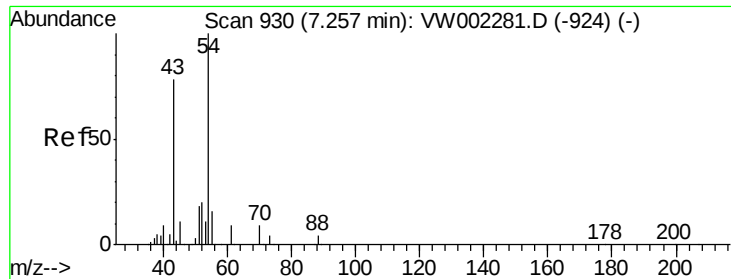
Tot Ion:113 Resp: 11203
Ion Ratio Lower Upper
113 100
111 110.4 81.5 122.3
192 20.5 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 75 Resp: 15745
Ion Ratio Lower Upper
75 100
110 38.1 18.1 54.1
77 31.8 24.5 36.7

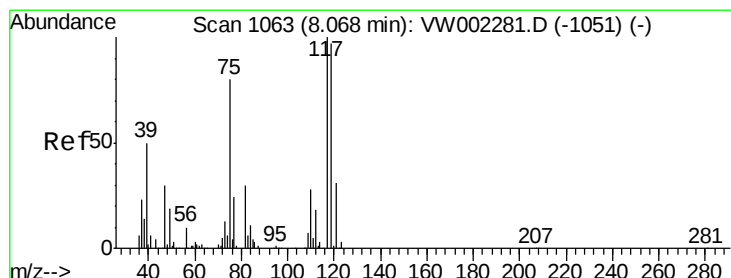
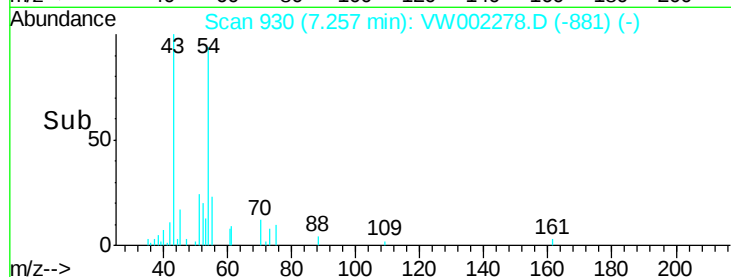
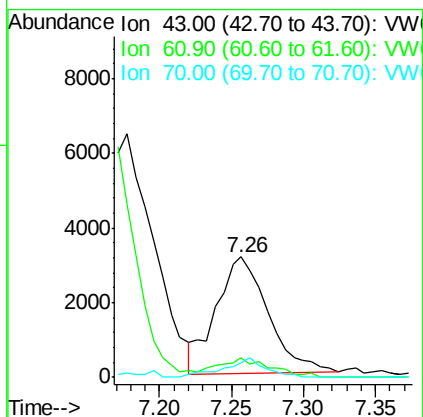
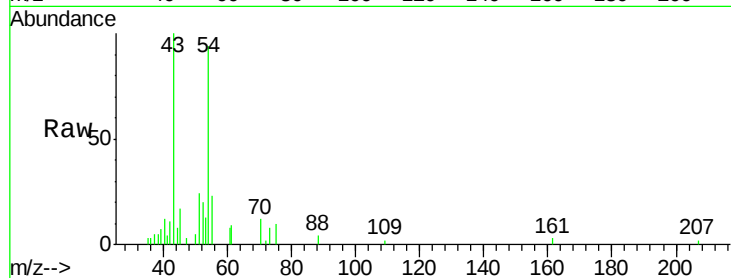




#37
Ethyl Acetate
Concen: 7.47 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

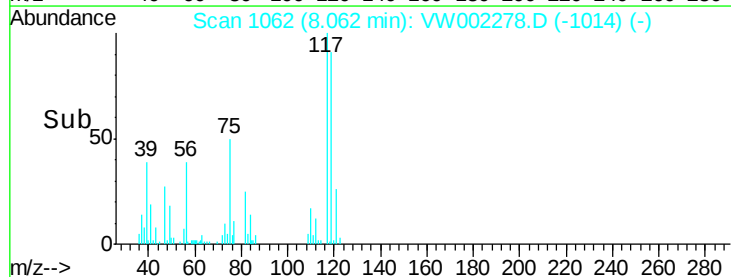
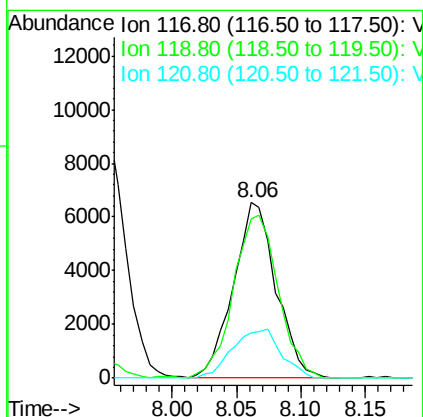
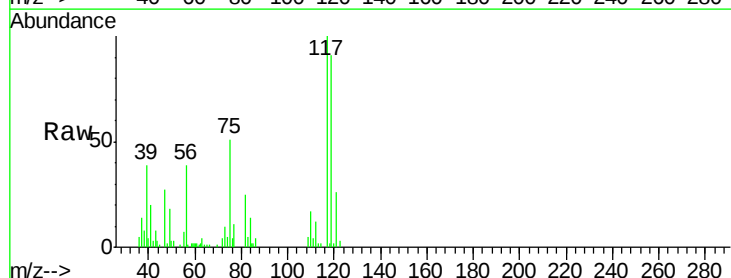
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

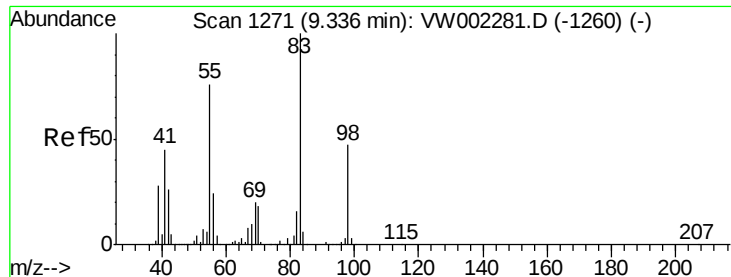
Tot Ion: 43 Resp: 7903
Ion Ratio Lower Upper
43 100
61 16.8 11.1 16.7#
70 13.3 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 3.75 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 117 Resp: 15114
Ion Ratio Lower Upper
117 100
119 90.9 77.5 116.3
121 25.5 24.4 36.6

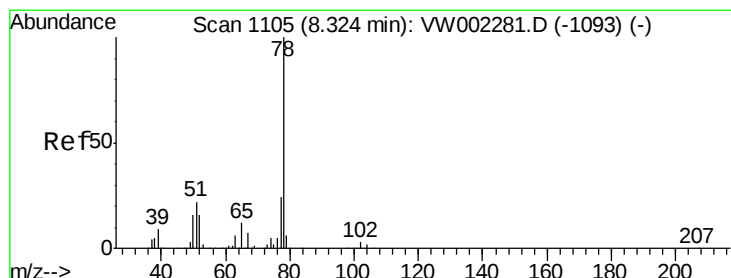
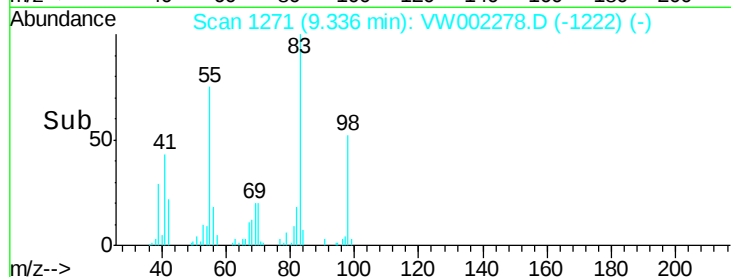
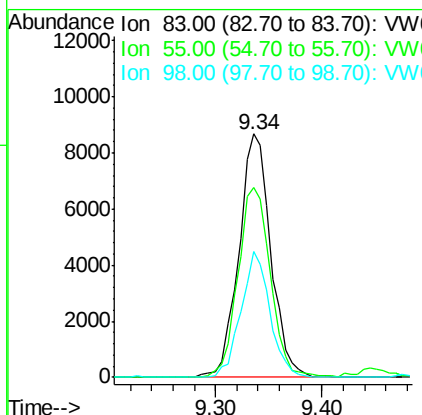
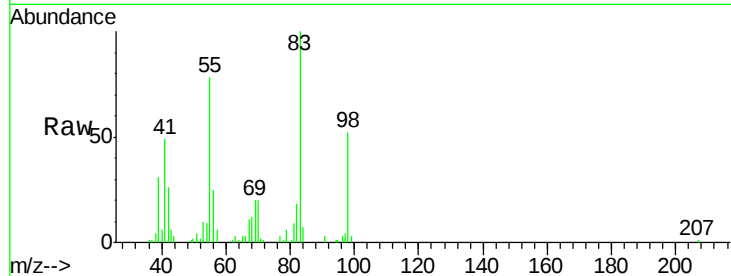




#39
Methvlcvclohexane
Concen: 4.81 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

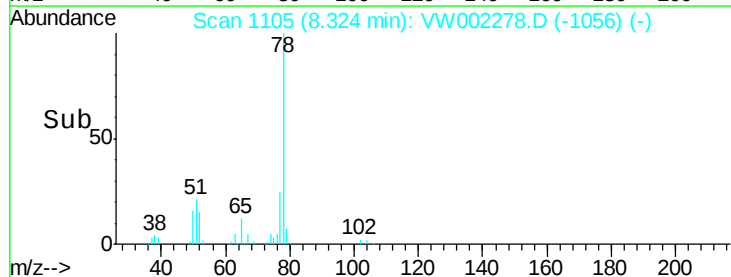
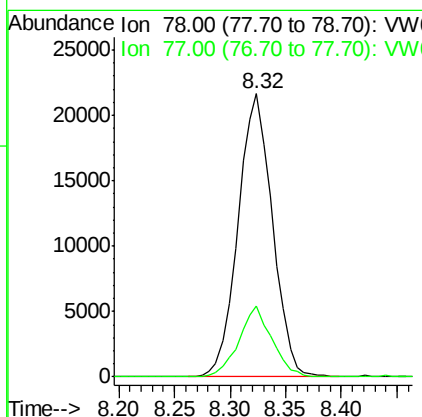
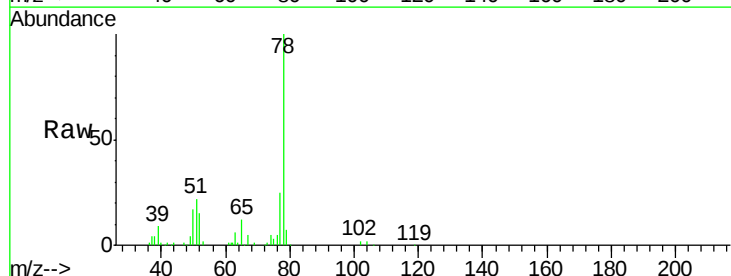
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

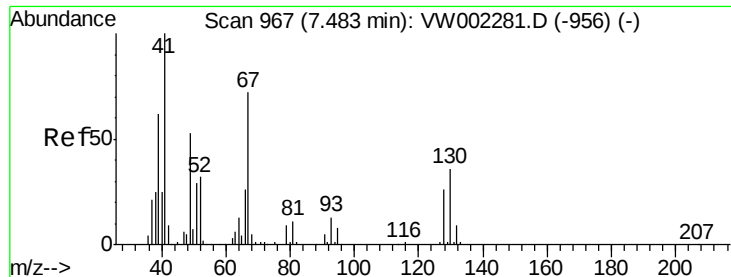
Tot Ion: 83 Resp: 18221
Ion Ratio Lower Upper
83 100
55 77.9 60.6 91.0
98 51.6 37.4 56.0



#40
Benzene
Concen: 5.04 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 78 Resp: 46364
Ion Ratio Lower Upper
78 100
77 25.0 19.3 28.9





#41

Methacrylonitrile

Concen: 6.02 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 41 Resp: 3531

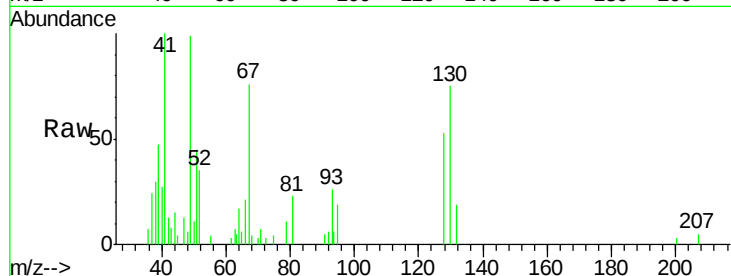
Ion Ratio Lower Upper

41 100

39 68.2 40.2 60.4#

67 94.4 54.7 82.1#

52 49.4 23.6 35.4#

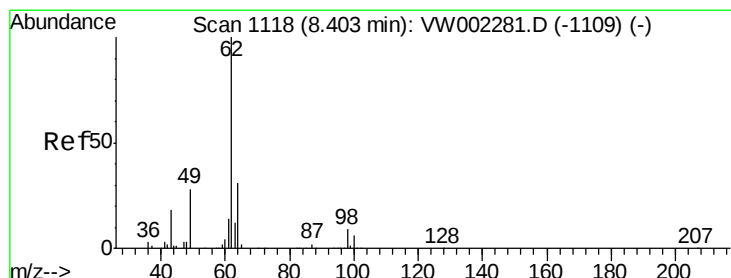
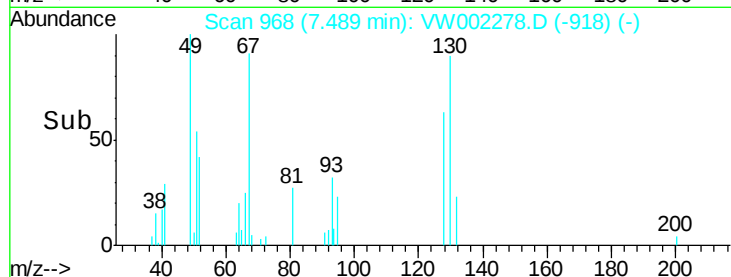
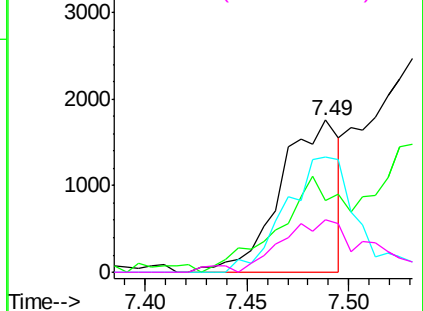


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 5.15 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW002278.D

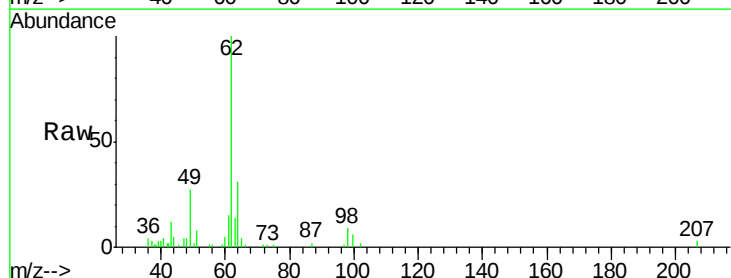
Acq: 07 May 2018 23:46

Tgt Ion: 62 Resp: 14601

Ion Ratio Lower Upper

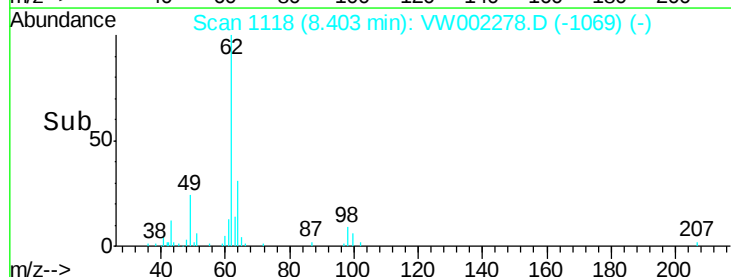
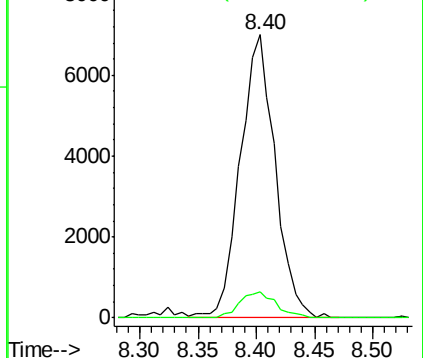
62 100

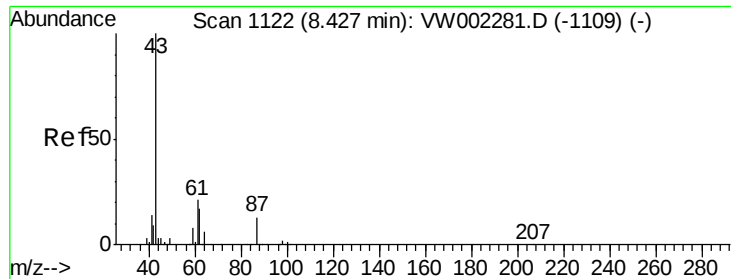
98 9.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 6.37 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

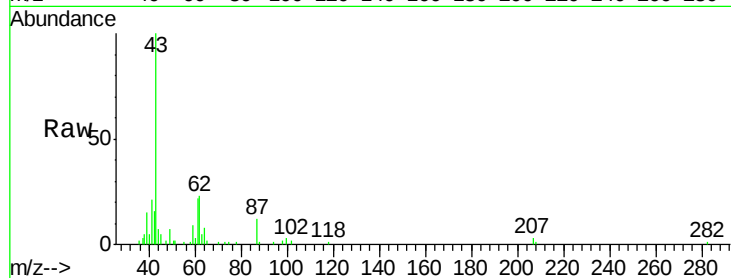
Tot Ion: 43 Resp: 13356

Ion Ratio Lower Upper

43 100

61 30.4 23.7 35.5

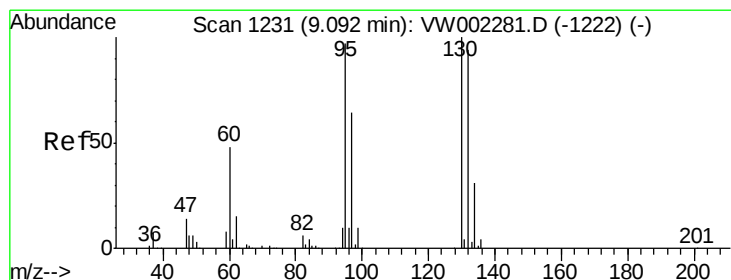
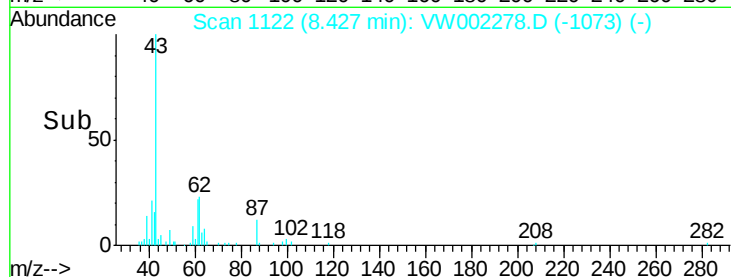
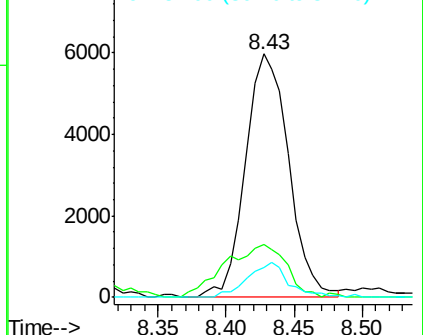
87 13.7 10.7 16.1



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: 4.55 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002278.D

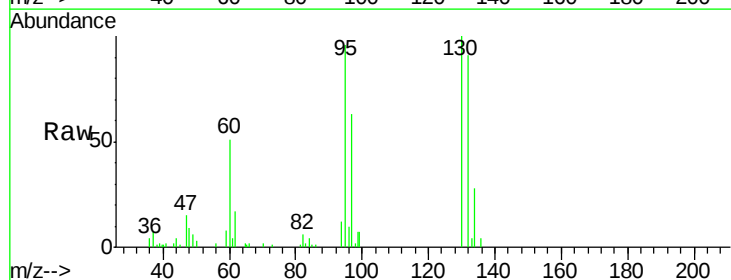
Acq: 07 May 2018 23:46

Tgt Ion: 130 Resp: 13204

Ion Ratio Lower Upper

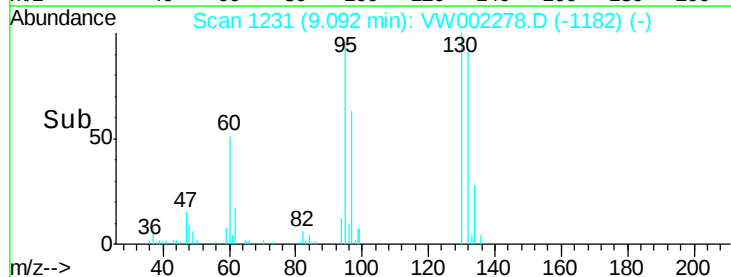
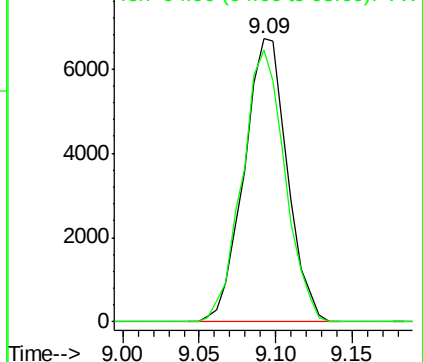
130 100

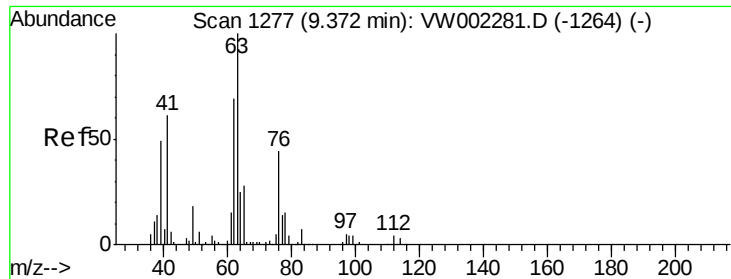
95 95.9 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 5.59 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

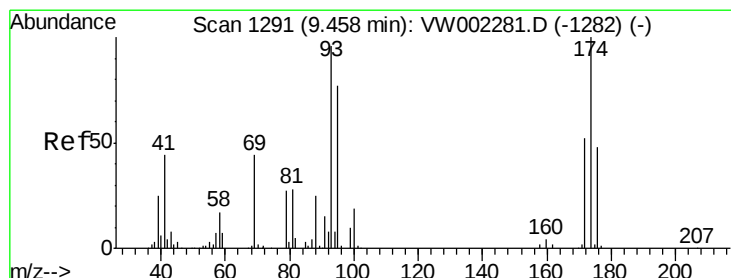
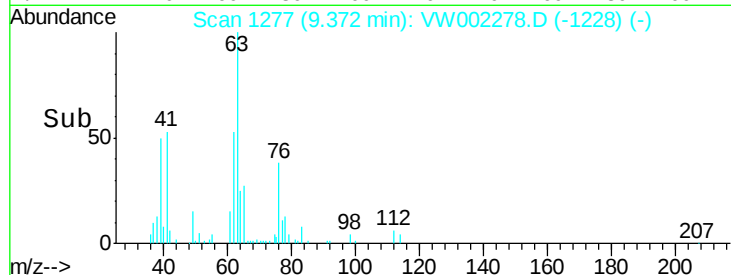
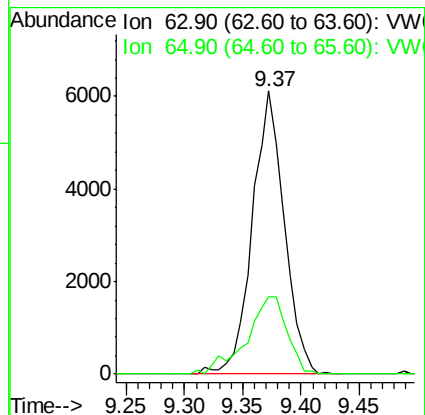
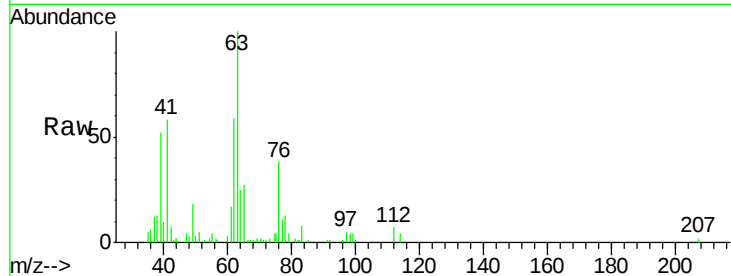
VSTDIC005

Tot Ion: 63 Resp: 11715

Ion Ratio Lower Upper

63 100

65 27.2 22.9 34.3



#46

Dibromomethane

Concen: 5.34 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

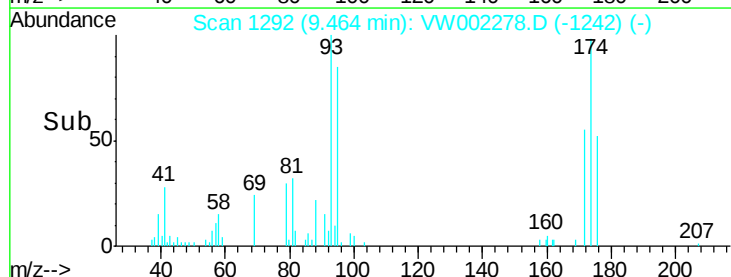
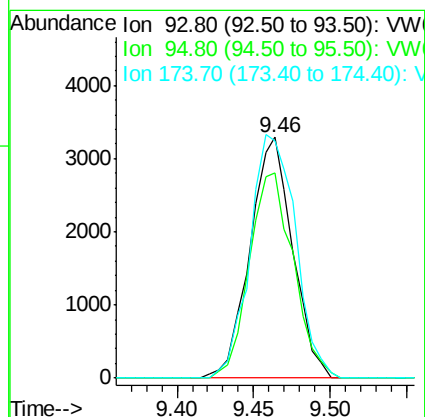
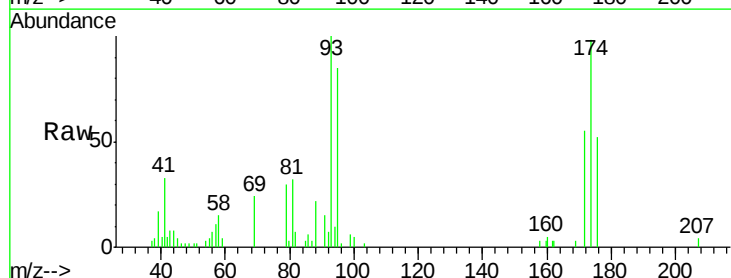
Tgt Ion: 93 Resp: 6372

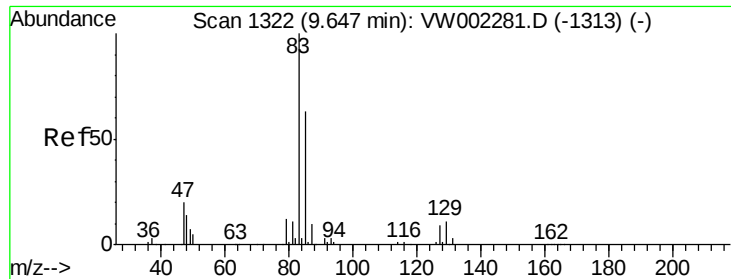
Ion Ratio Lower Upper

93 100

95 88.0 66.4 99.6

174 107.8 86.8 130.2





#47

Bromodichloromethane

Concen: 4.62 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

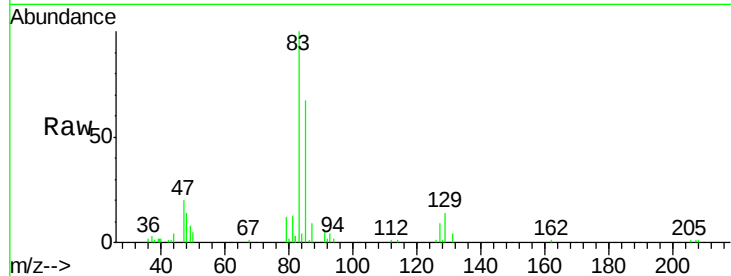
Tot Ion: 83 Resp: 14775

Ion Ratio Lower Upper

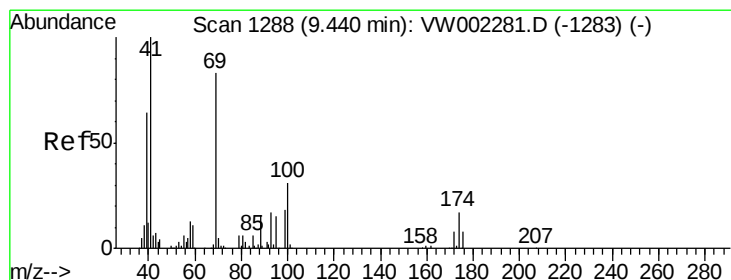
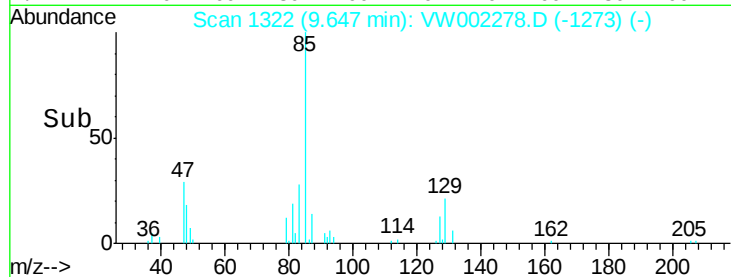
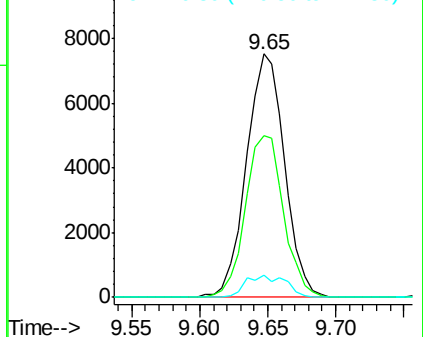
83 100

85 66.6 50.2 75.2

127 8.9 6.9 10.3



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: 6.48 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

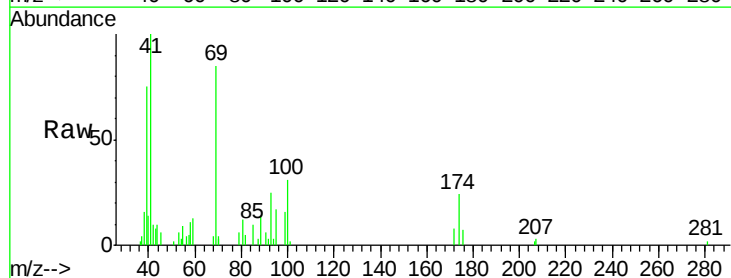
Tgt Ion: 41 Resp: 6588

Ion Ratio Lower Upper

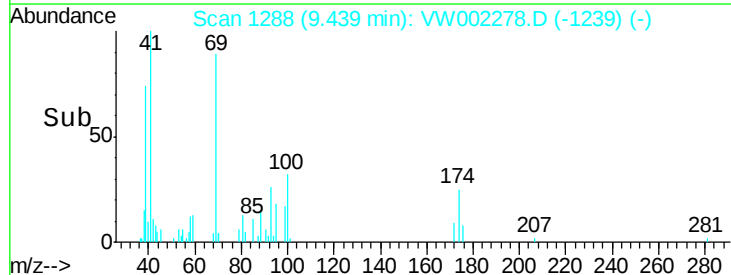
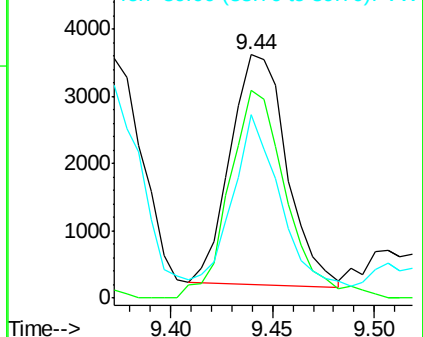
41 100

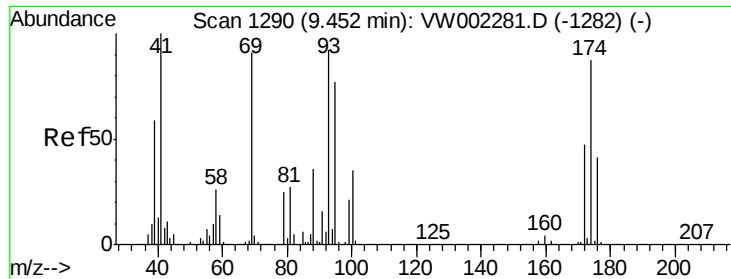
69 91.1 69.9 104.9

39 71.3 54.0 81.0



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

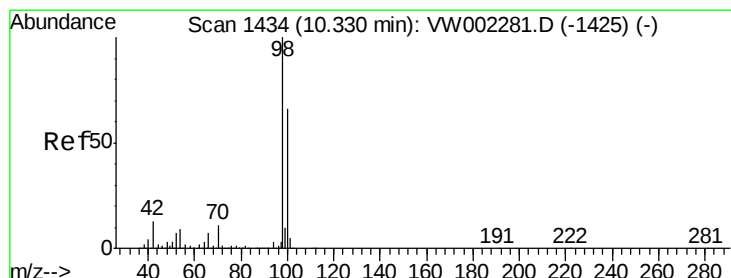
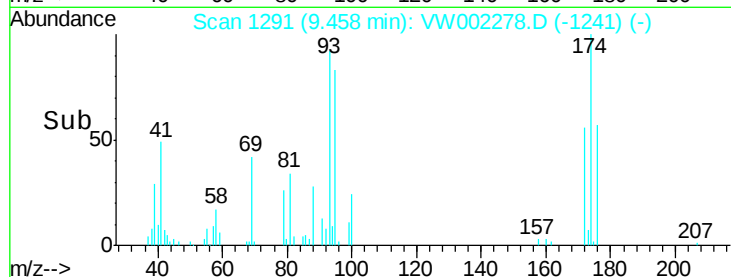
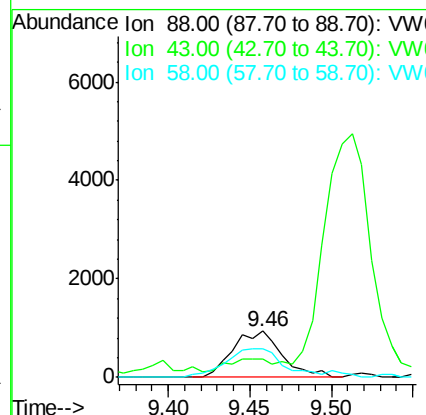
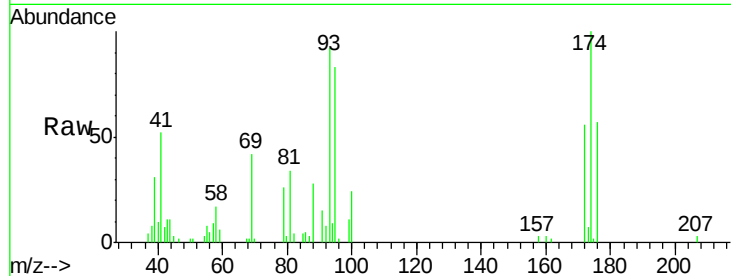




#49
1,4-Dioxane
Concen: 107.34 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

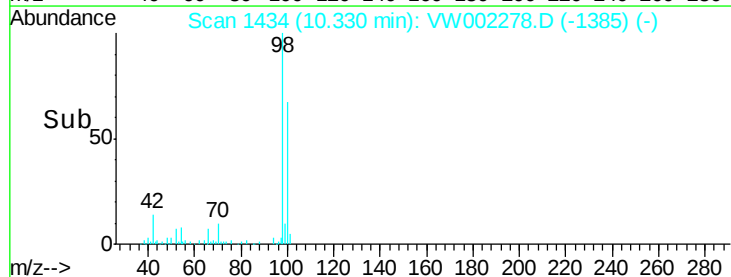
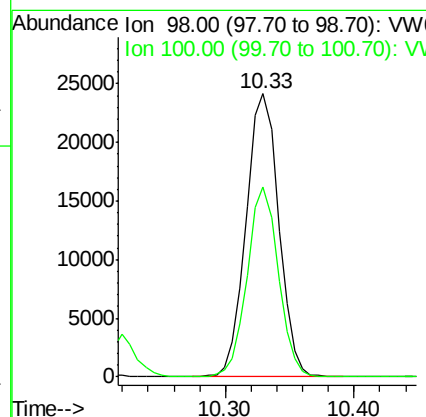
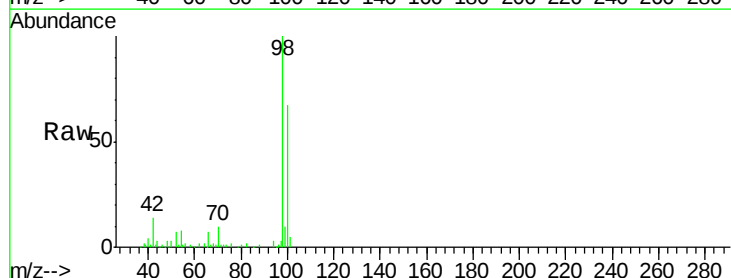
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

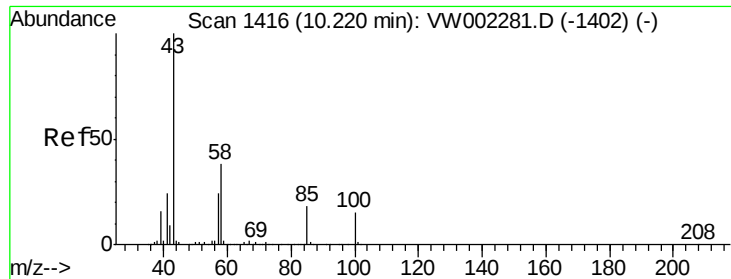
Tot Ion: 88 Resp: 1966
Ion Ratio Lower Upper
88 100
43 30.5 26.3 39.5
58 71.6 56.0 84.0



#50
Toluene-d8
Concen: 5.03 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 98 Resp: 42377
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 35.59 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampled :

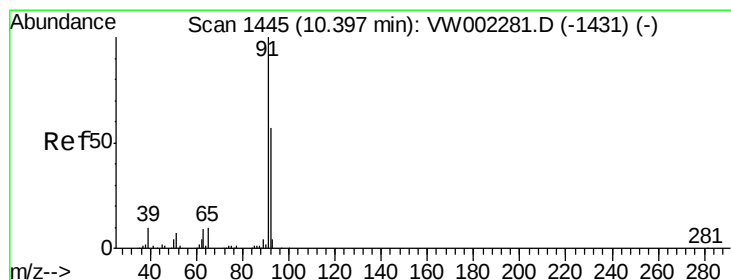
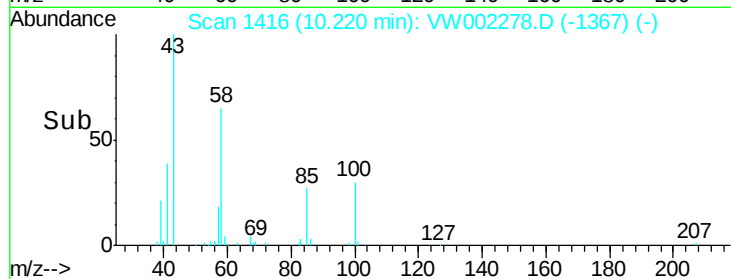
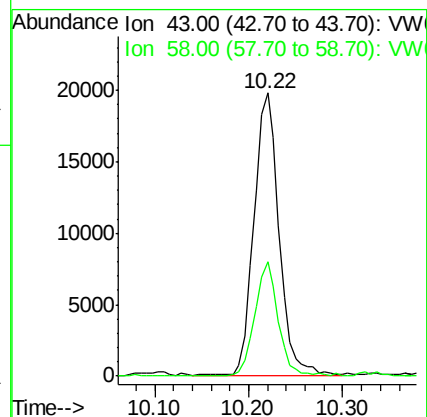
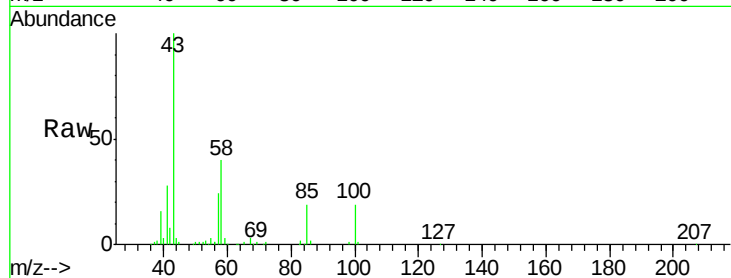
VSTDIC005

Tot Ion: 43 Resp: 37554

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.2



#52

Toluene

Concen: 4.67 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW002278.D

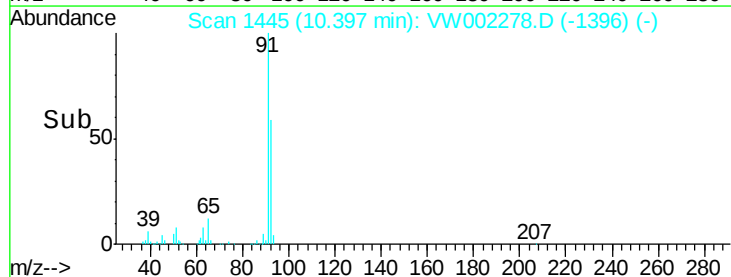
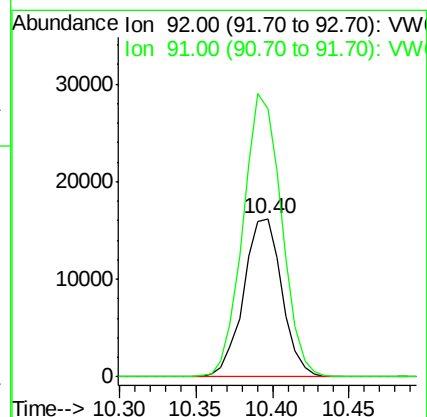
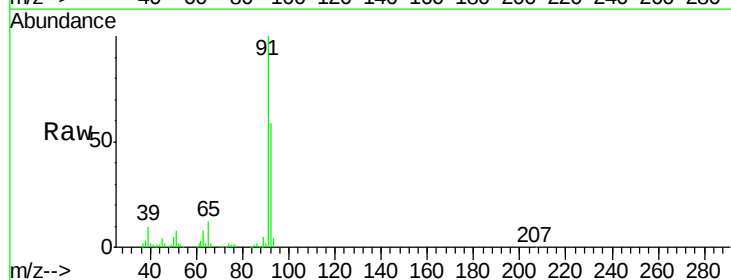
Acq: 07 May 2018 23:46

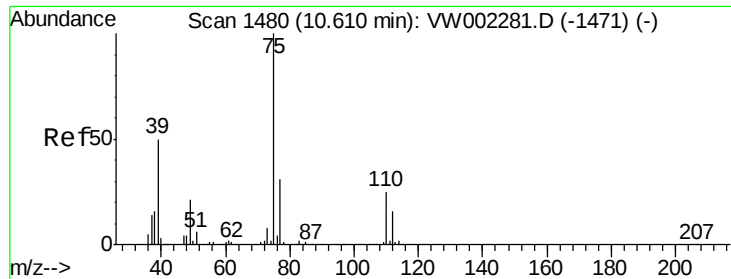
Tgt Ion: 92 Resp: 28316

Ion Ratio Lower Upper

92 100

91 179.4 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 4.70 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

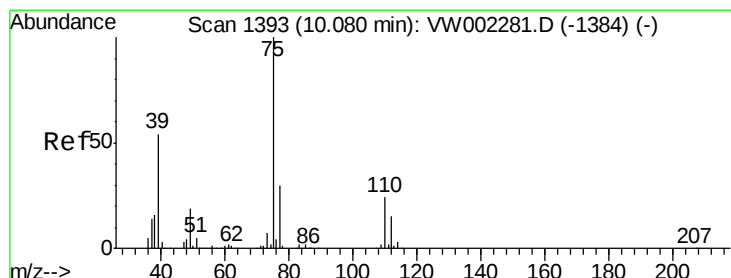
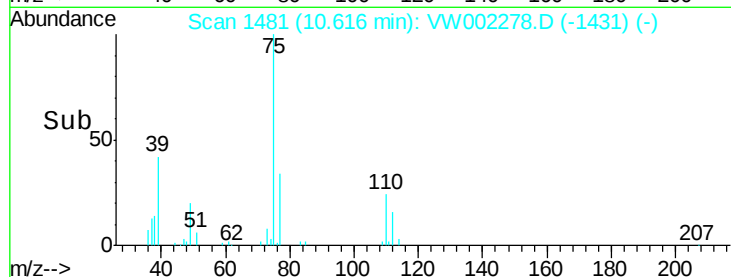
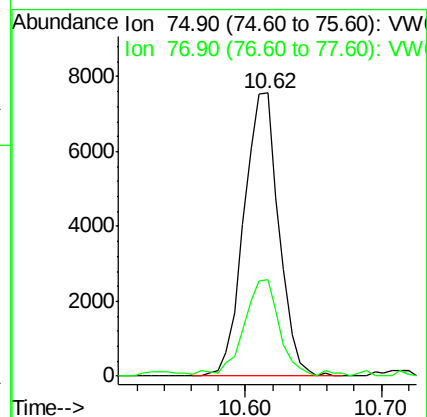
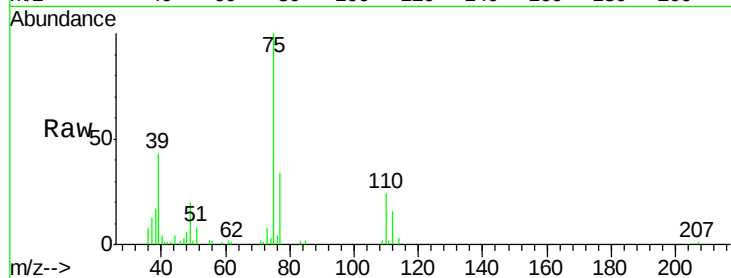
VSTDIC005

Tot Ion: 75 Resp: 13573

Ion Ratio Lower Upper

75 100

77 33.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 4.92 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

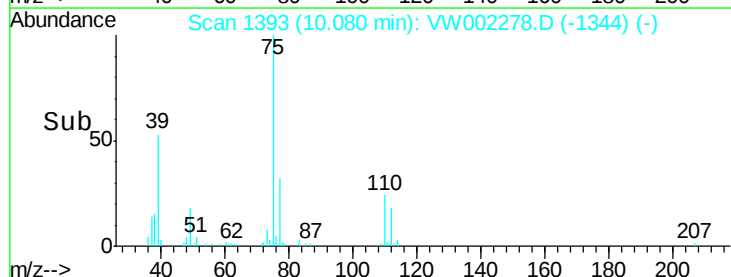
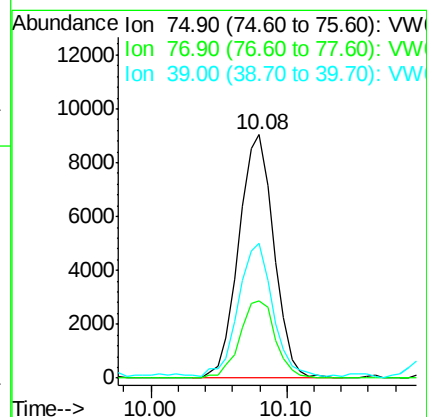
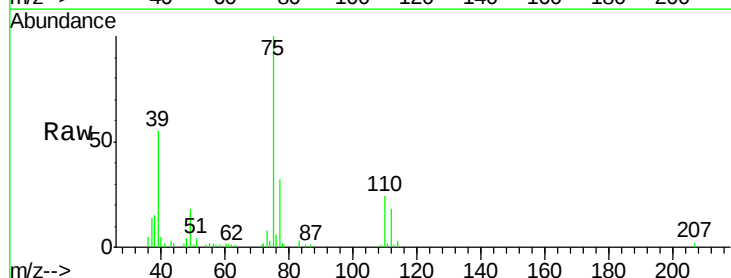
Tgt Ion: 75 Resp: 16292

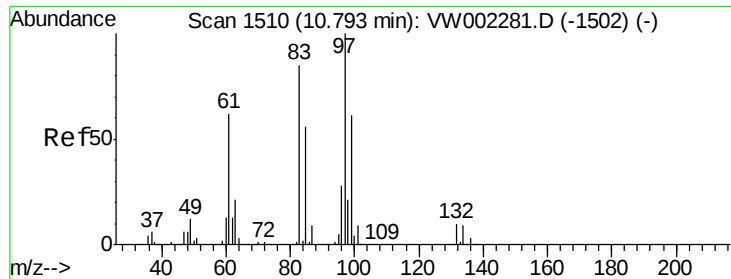
Ion Ratio Lower Upper

75 100

77 31.5 23.9 35.9

39 54.5 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 5.21 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 9116

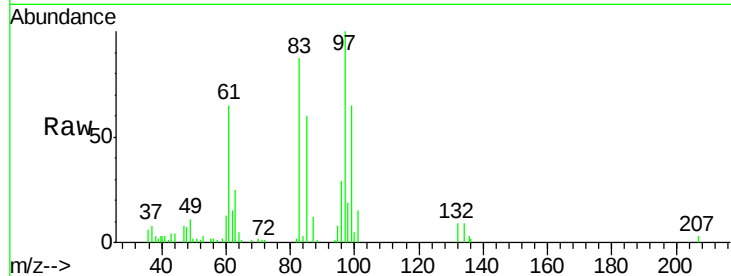
Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.4	102.6
85	59.7	44.6	67.0
99	65.1	48.8	73.2

97 100

83 87.0 68.4 102.6

85 59.7 44.6 67.0

99 65.1 48.8 73.2



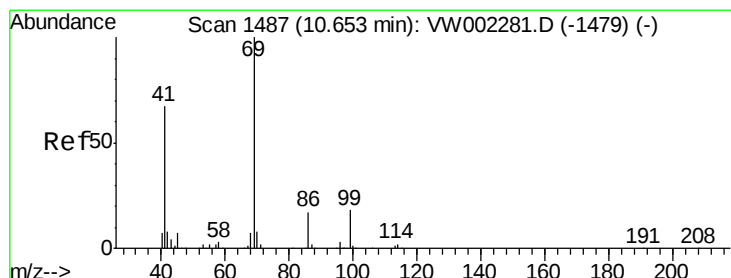
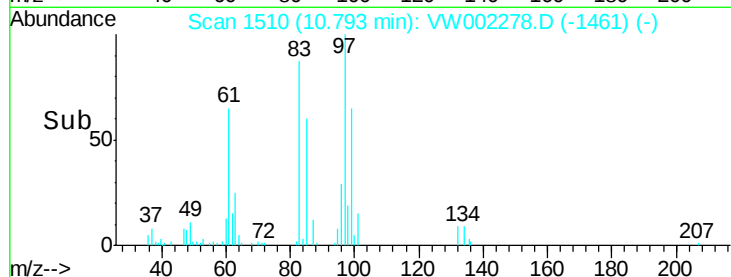
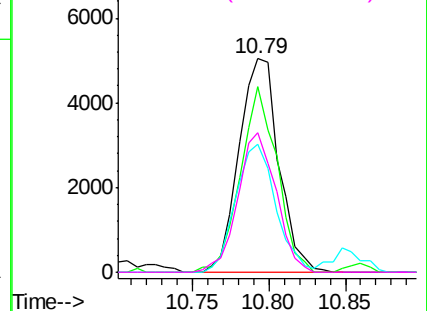
Abundance

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: 5.34 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

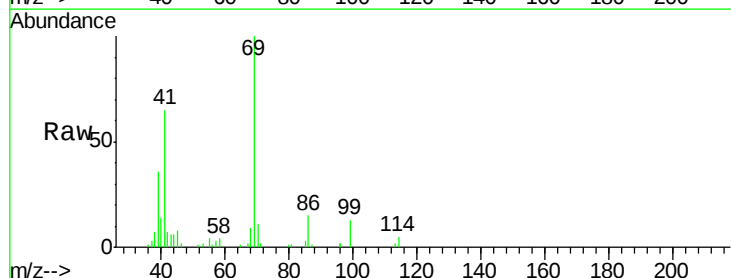
Tgt Ion: 69 Resp: 9680

Ion	Ratio	Lower	Upper
69	100		
41	64.6	56.0	84.0
39	37.8	32.7	49.1

69 100

41 64.6 56.0 84.0

39 37.8 32.7 49.1

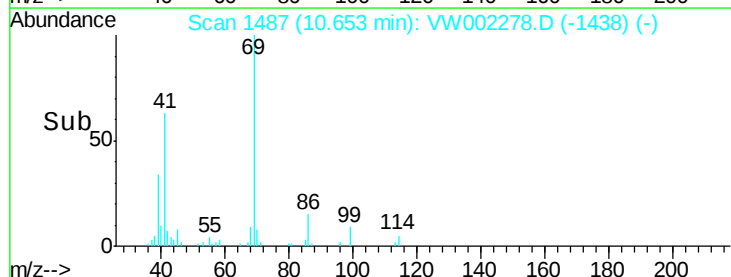
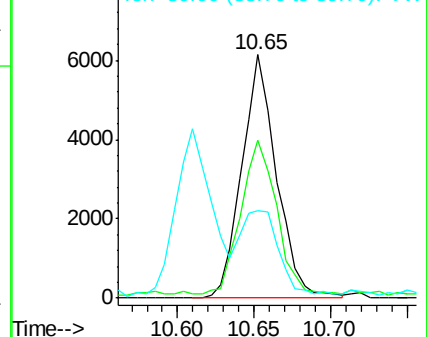


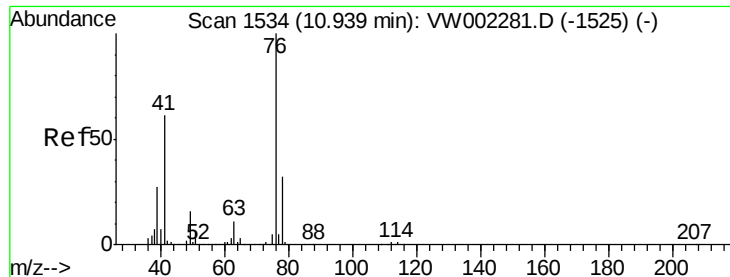
Abundance

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

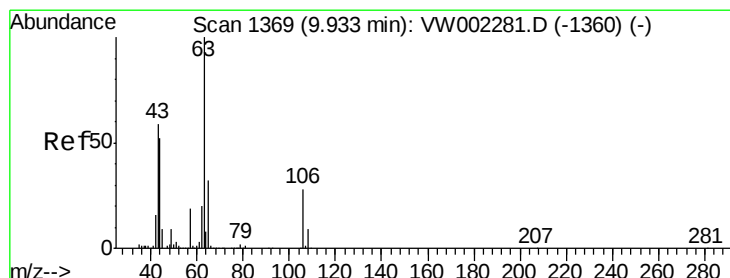
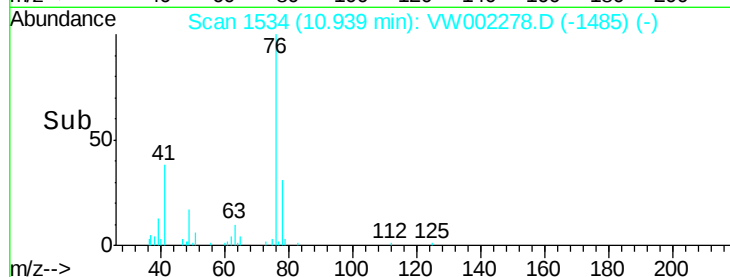
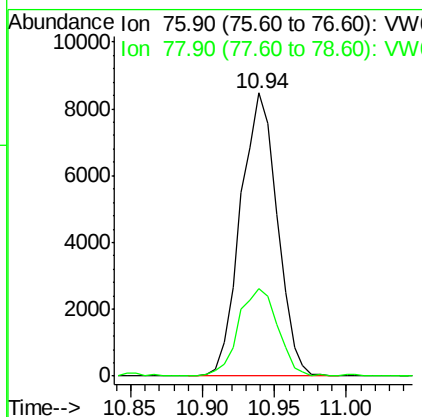
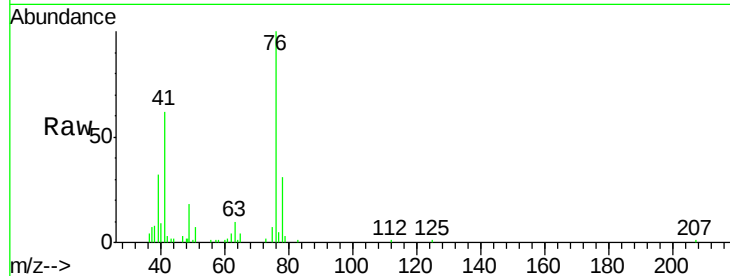




#57
 1,3-Dichloropropane
 Concen: 5.46 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

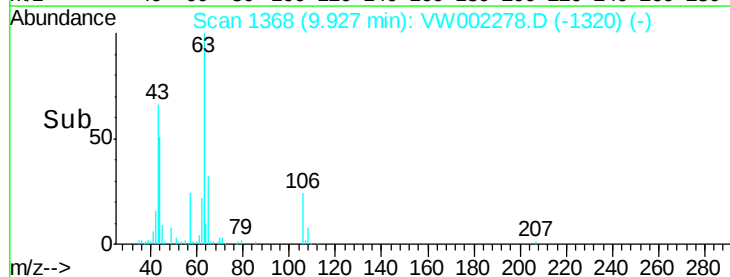
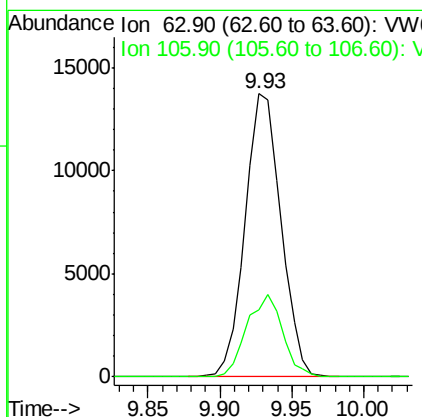
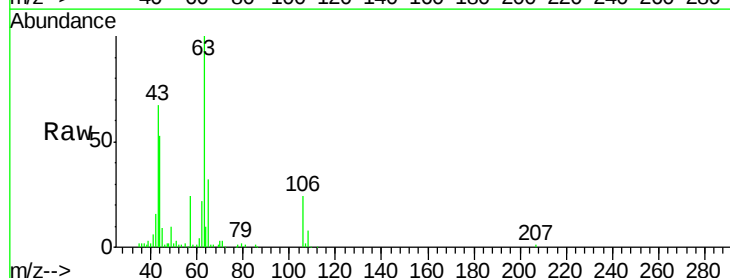
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

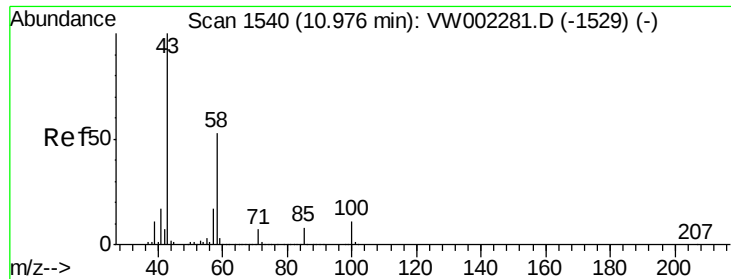
Tot Ion: 76 Resp: 14985
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 29.97 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion: 63 Resp: 23638
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.5 33.7

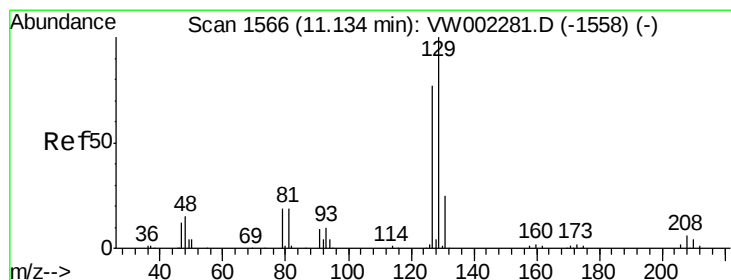
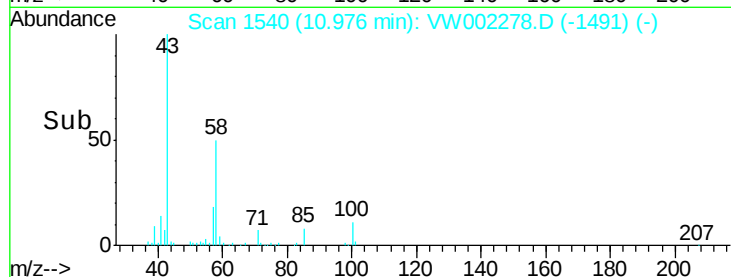
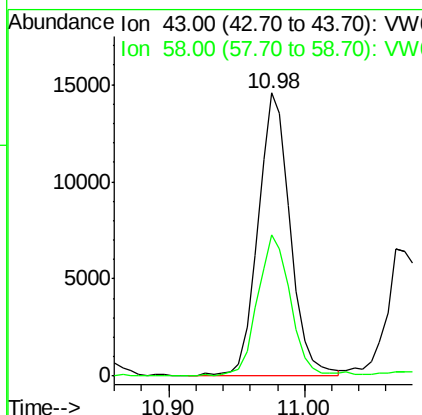
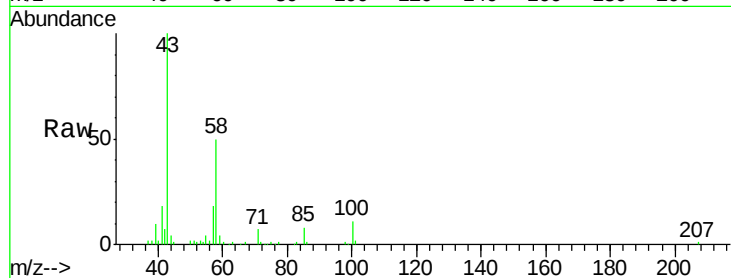




#59
2-Hexanone
Concen: 31.96 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

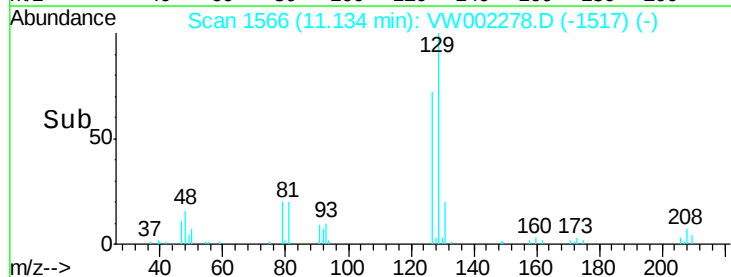
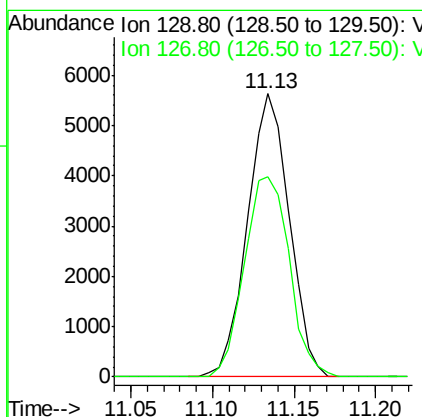
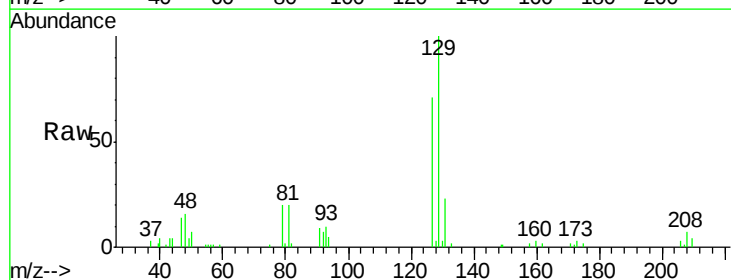
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

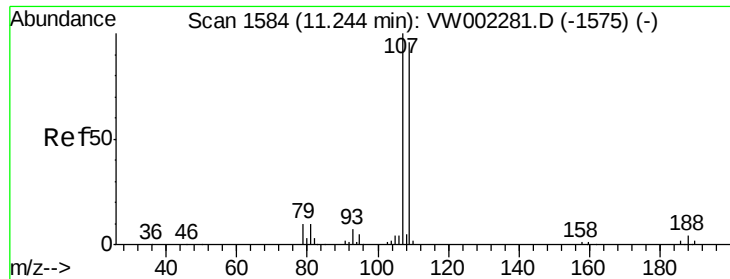
Tot Ion: 43 Resp: 24177
Ion Ratio Lower Upper
43 100
58 51.7 26.0 78.0



#60
Dibromochloromethane
Concen: 4.24 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 129 Resp: 9998
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 5.26 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampled :

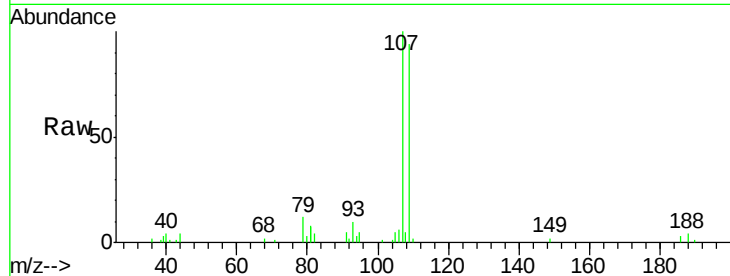
VSTDIC005

Tot Ion:107 Resp: 8544

Ion Ratio Lower Upper

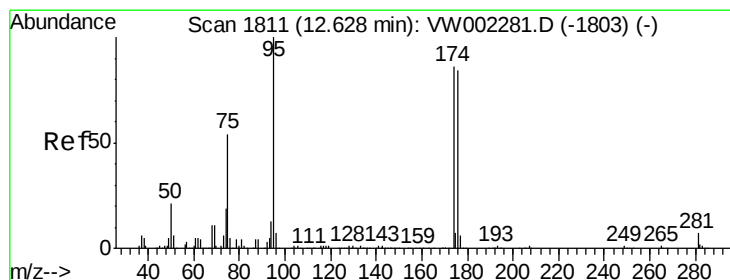
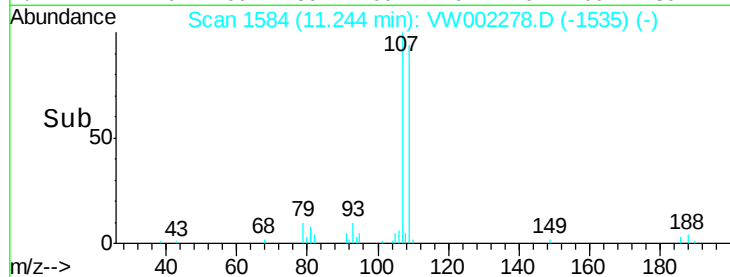
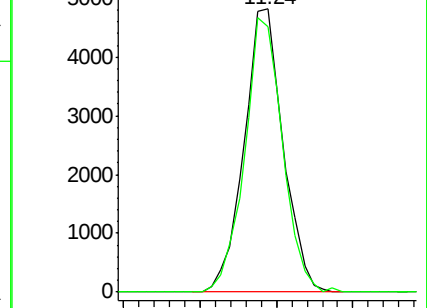
107 100

109 93.8 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.69 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

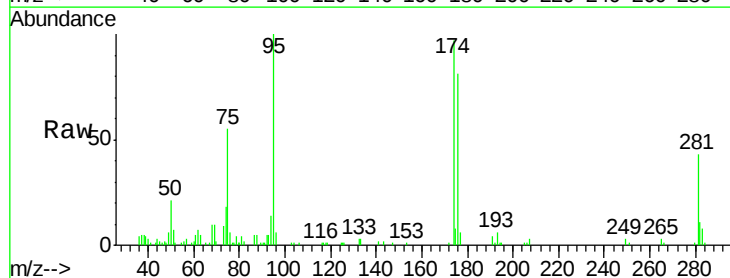
Tgt Ion: 95 Resp: 15327

Ion Ratio Lower Upper

95 100

174 88.4 0.0 176.8

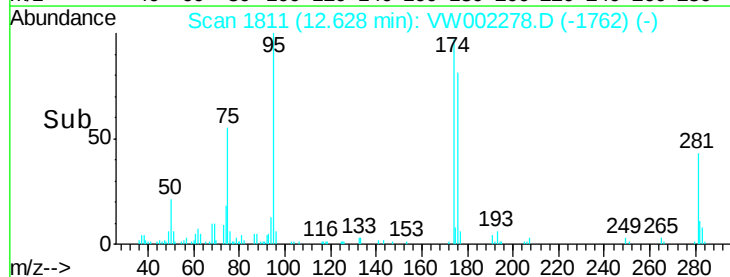
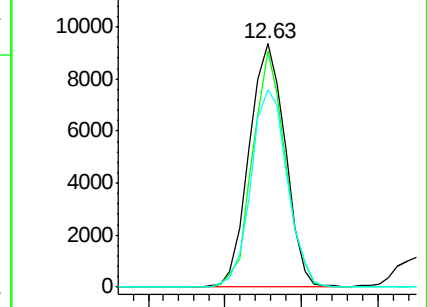
176 81.9 0.0 170.4

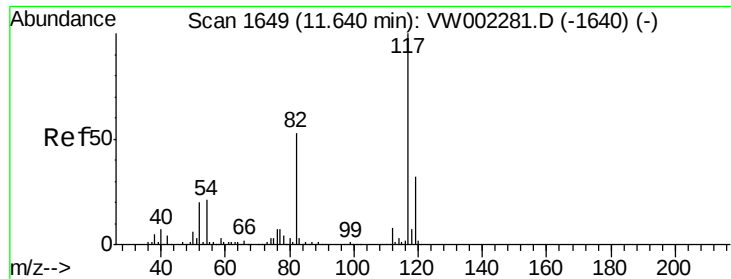


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

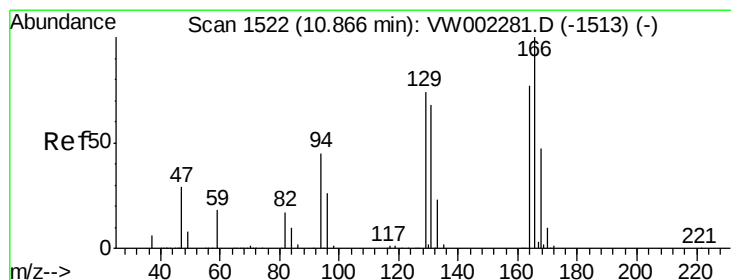
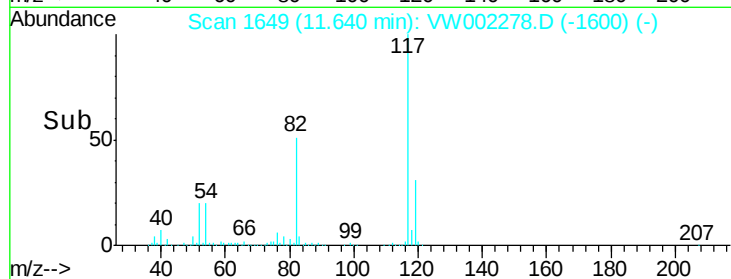
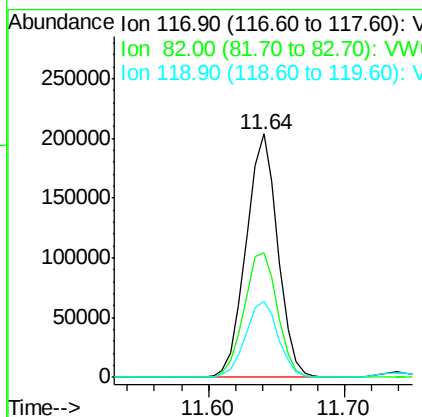
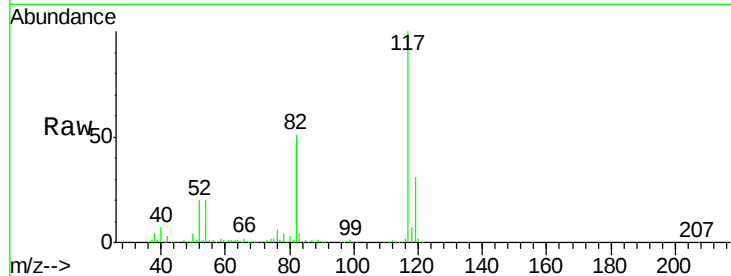




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

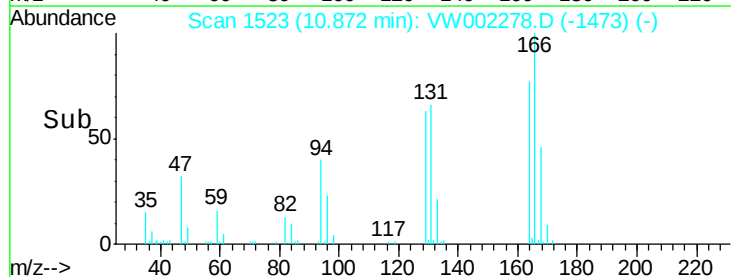
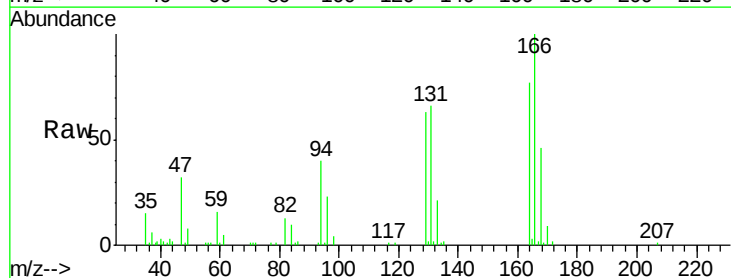
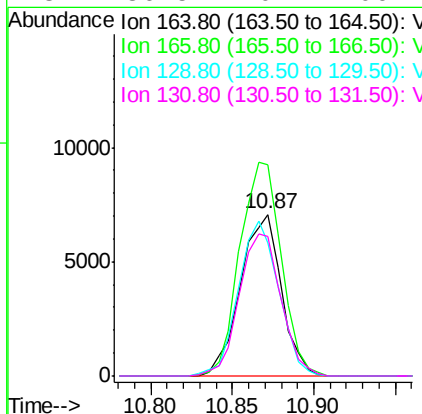
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

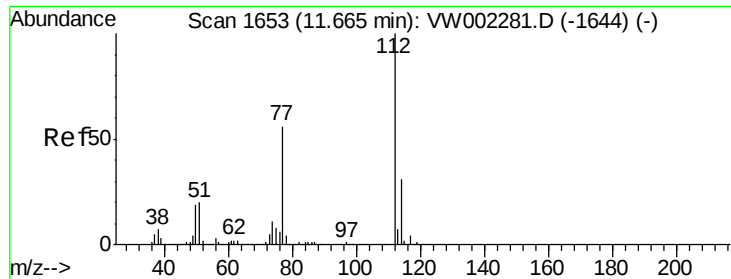
Tot Ion:117 Resp: 331931
Ion Ratio Lower Upper
117 100
82 51.1 42.6 63.8
119 31.0 25.2 37.8



#64
Tetrachloroethene
Concen: 4.36 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion:164 Resp: 12337
Ion Ratio Lower Upper
164 100
166 130.7 103.3 154.9
129 82.1 76.6 114.8
131 86.5 70.7 106.1





#65

Chlorobenzene

Concen: 4.77 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

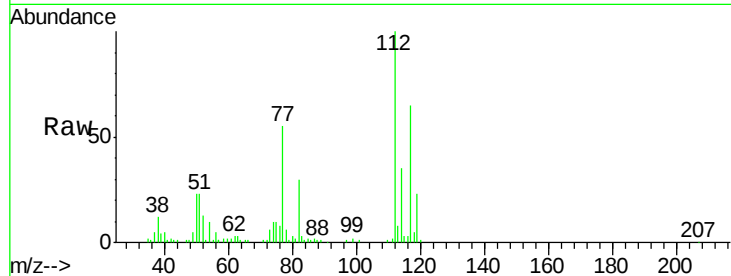
VSTDIC005

Tot Ion:112 Resp: 33614

Ion Ratio Lower Upper

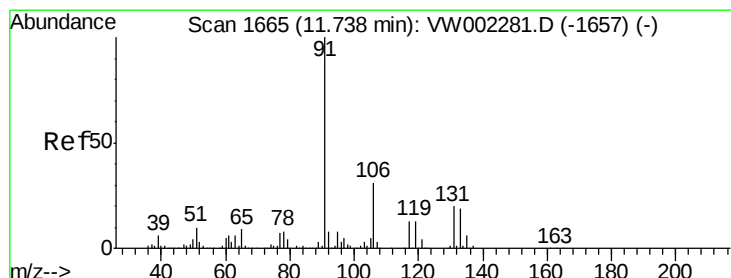
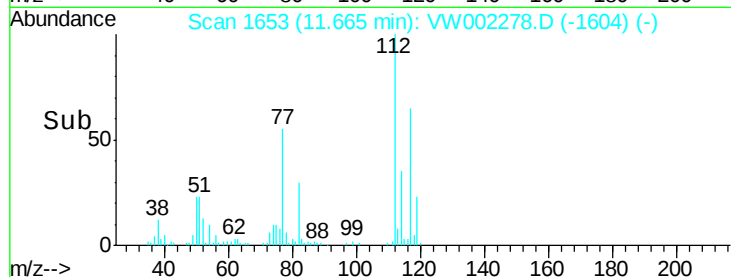
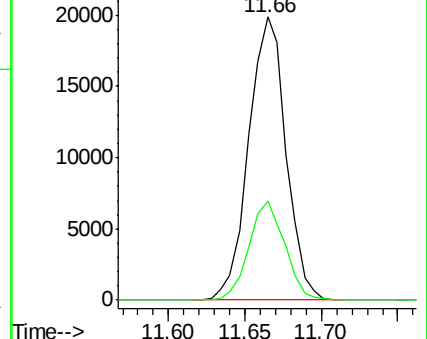
112 100

114 34.9 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.23 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

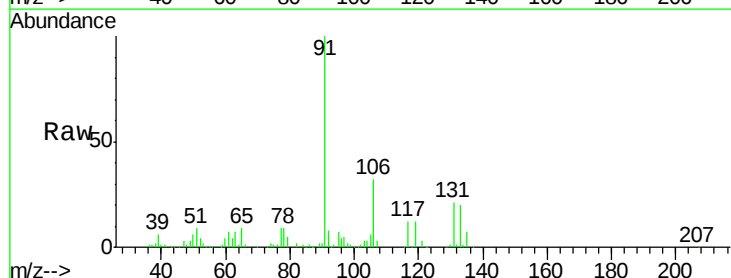
Tgt Ion:131 Resp: 11316

Ion Ratio Lower Upper

131 100

133 99.4 47.8 143.3

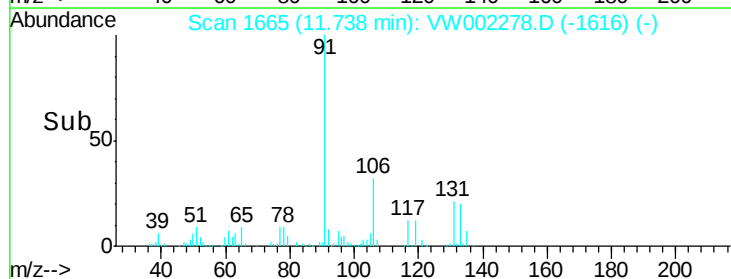
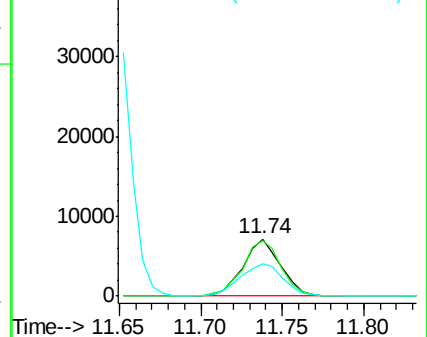
119 65.9 32.0 96.0

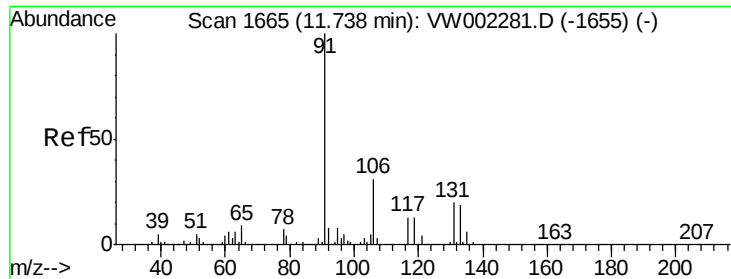


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

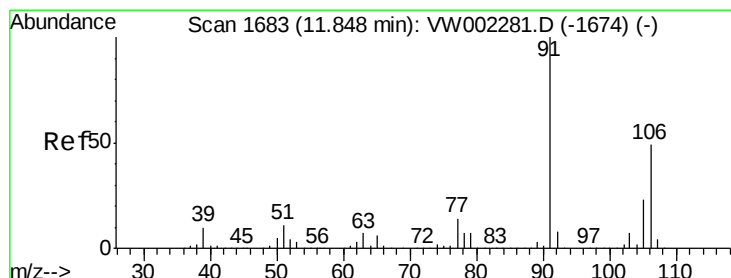
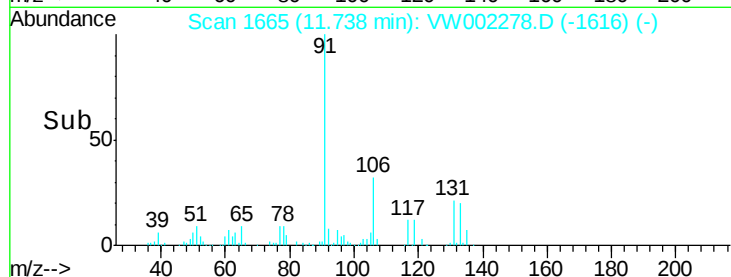
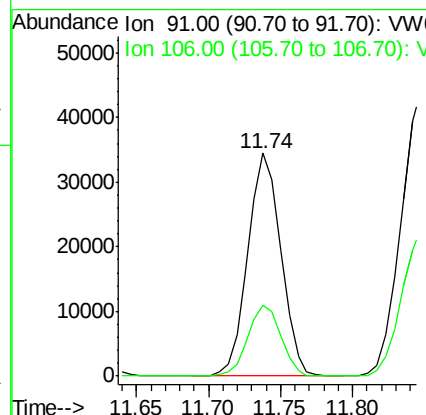
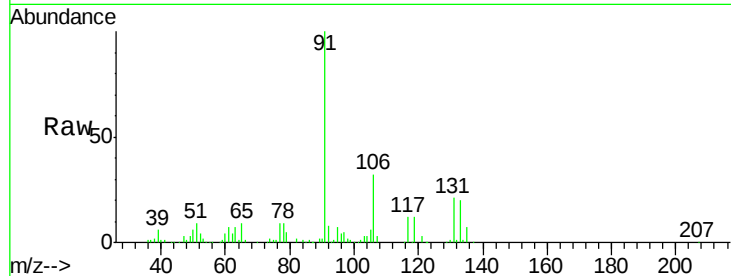




#67
Ethyl Benzene
Concen: 4.76 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

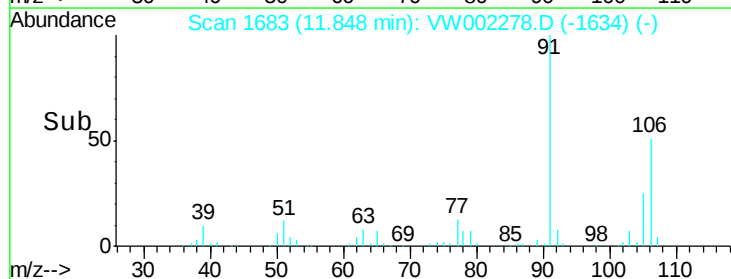
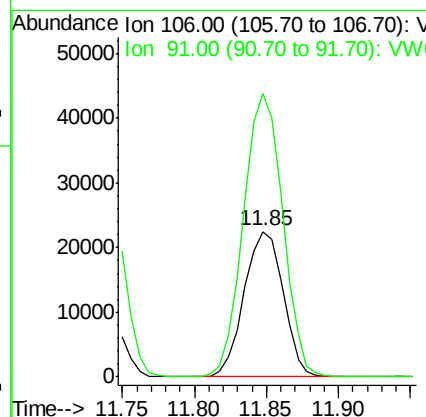
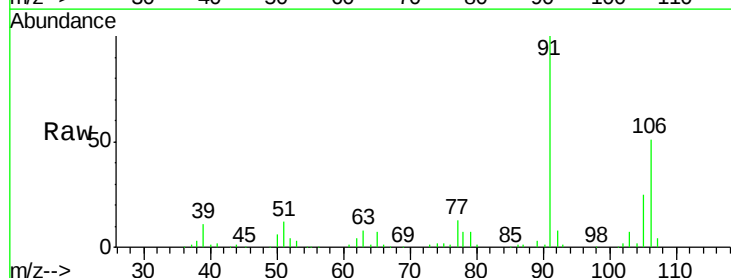
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

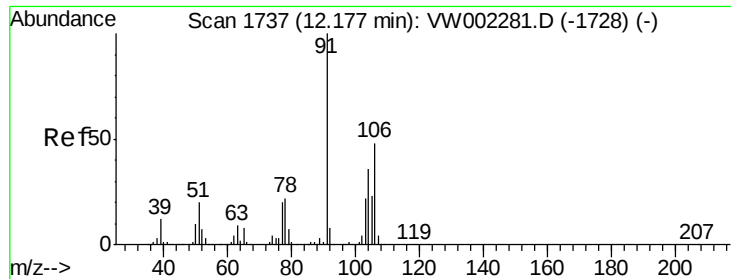
Tot Ion: 91 Resp: 54830
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3



#68
m/p-Xylenes
Concen: 9.15 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 106 Resp: 42414
Ion Ratio Lower Upper
106 100
91 195.8 161.4 242.0

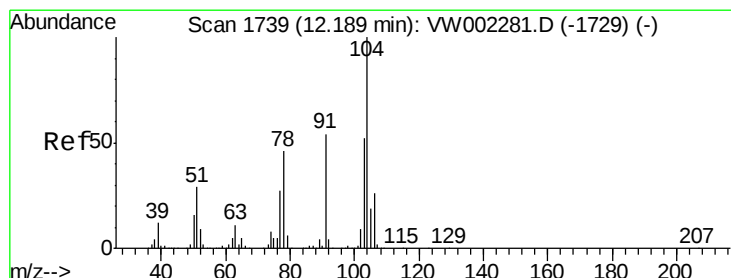
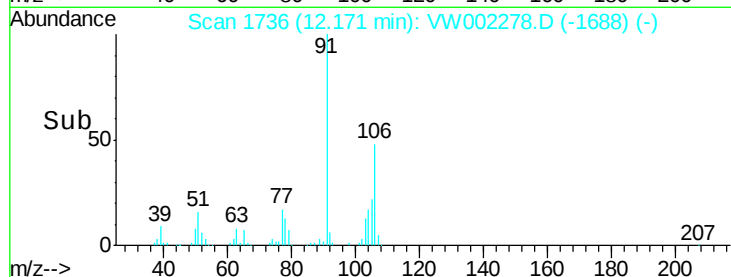
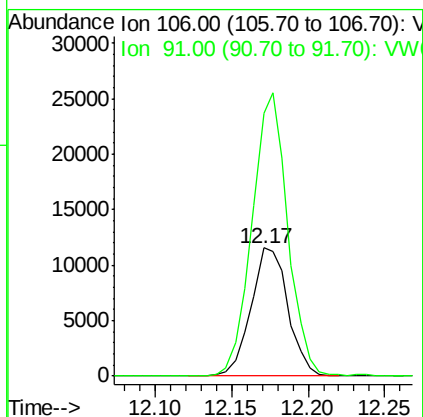
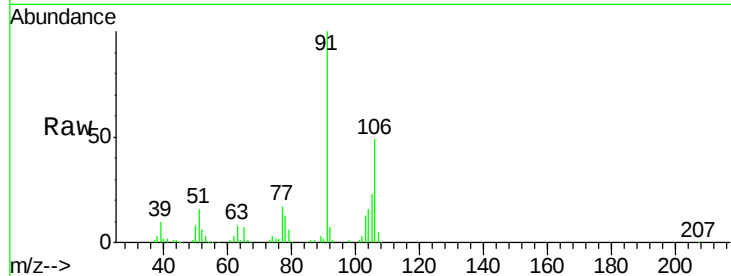




#69
o-Xylene
Concen: 4.65 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

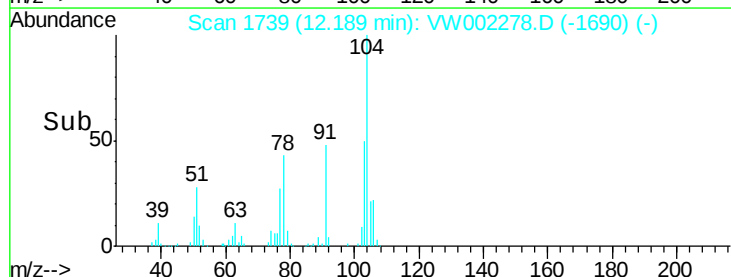
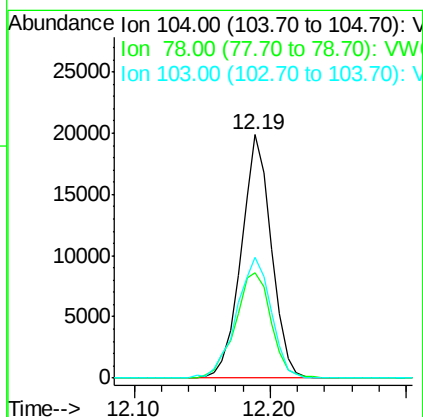
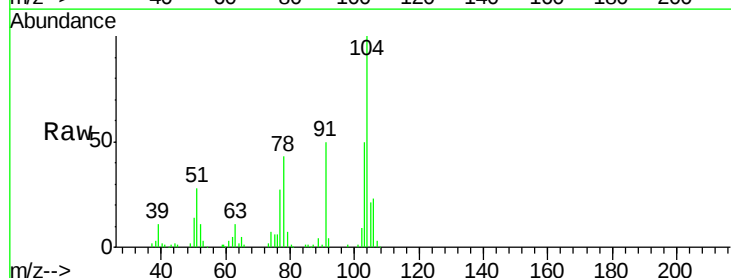
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

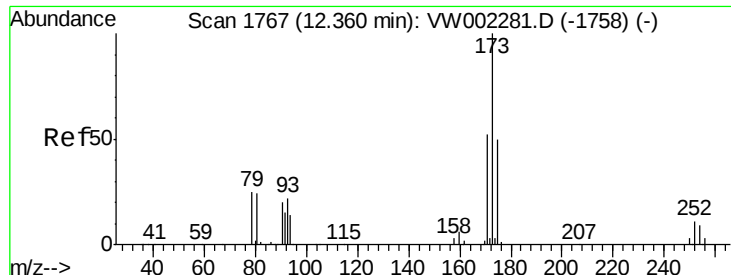
Tot Ion:106 Resp: 19398
Ion Ratio Lower Upper
106 100
91 213.2 107.1 321.1



#70
Styrene
Concen: 4.42 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion:104 Resp: 30682
Ion Ratio Lower Upper
104 100
78 51.2 39.6 59.4
103 57.3 44.4 66.6

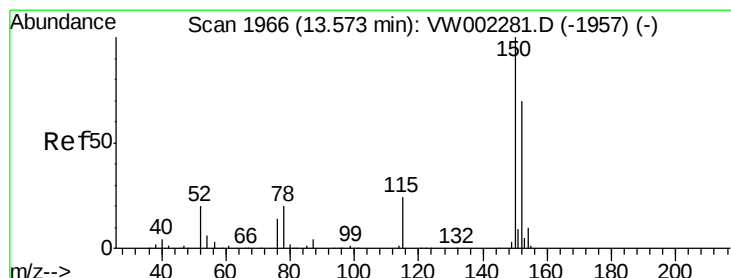
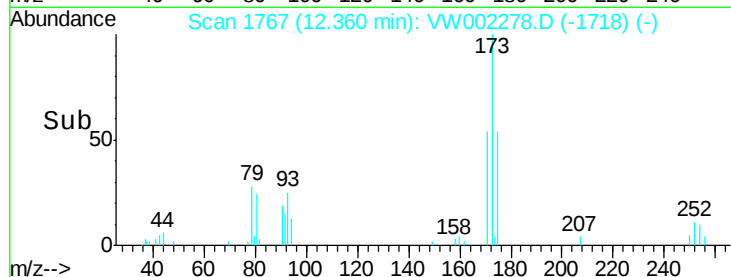
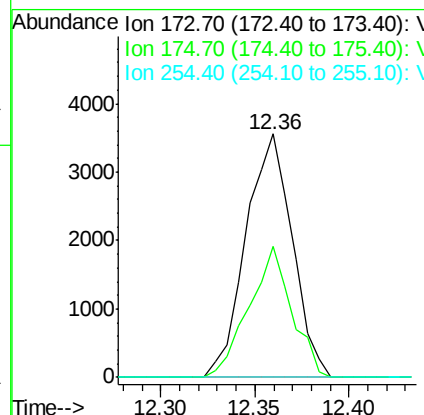
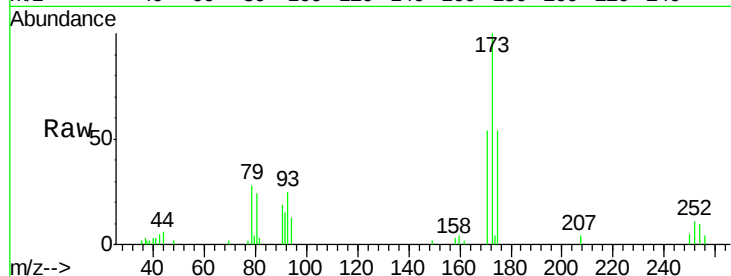




#71
Bromoform
Concen: 4.12 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

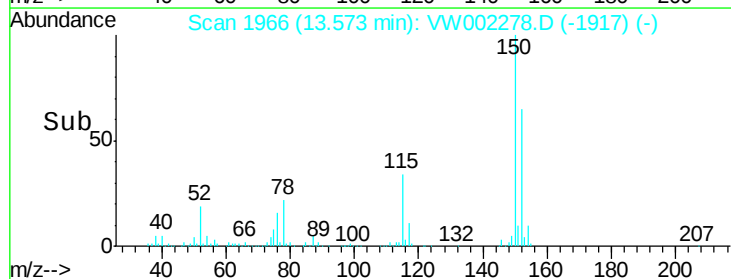
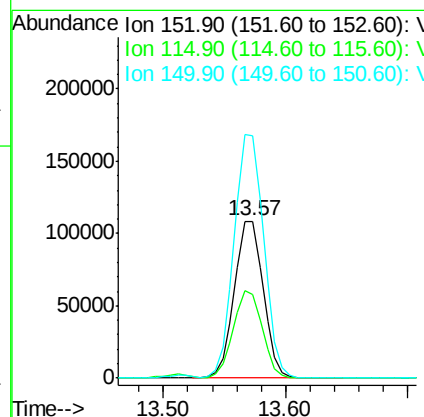
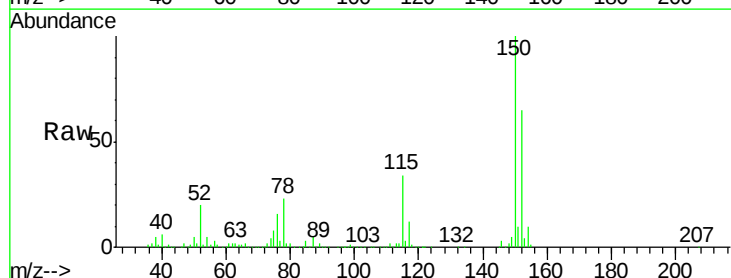
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

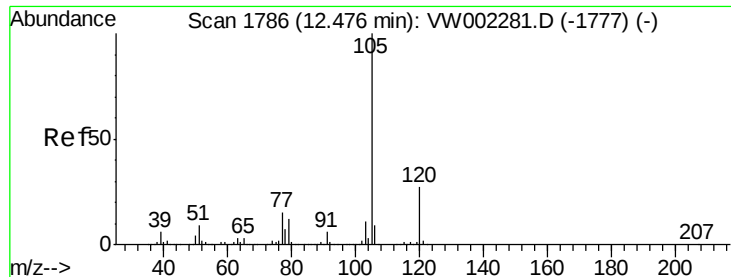
Tot Ion:173 Resp: 6058
Ion Ratio Lower Upper
173 100
175 49.7 24.3 72.9
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion:152 Resp: 177149
Ion Ratio Lower Upper
152 100
115 55.7 28.5 85.5
150 159.5 0.0 342.6





#73

Isopropylbenzene

Concen: 4.88 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

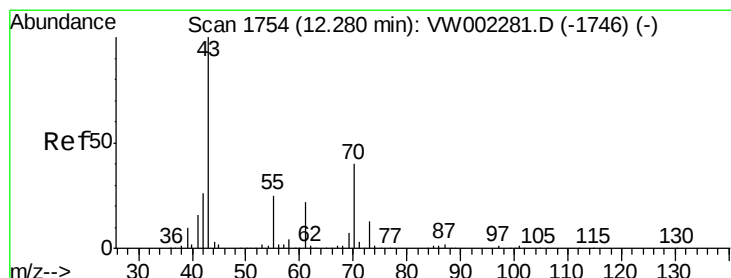
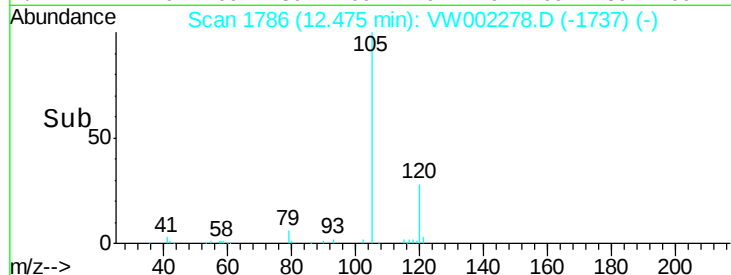
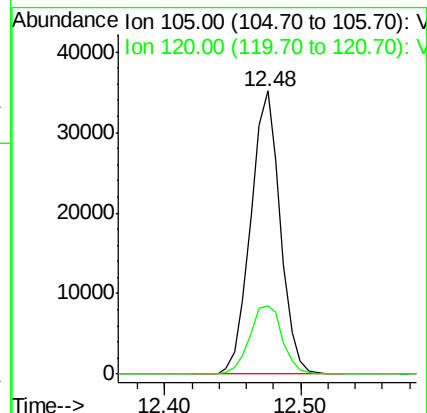
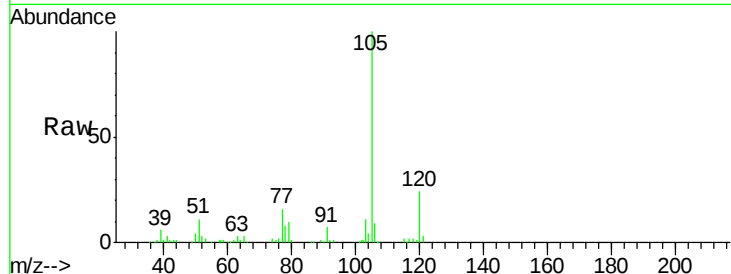
VSTDIC005

Tot Ion:105 Resp: 53527

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 6.97 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Tgt Ion: 43 Resp: 12370

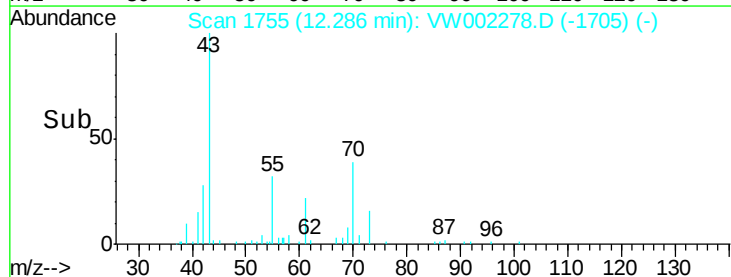
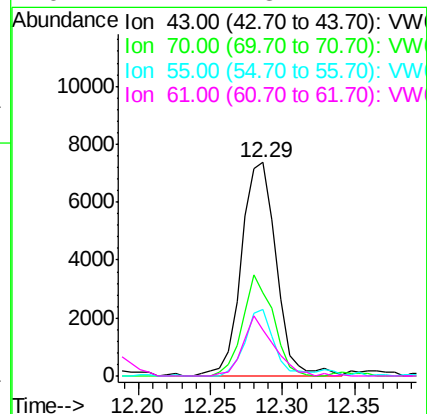
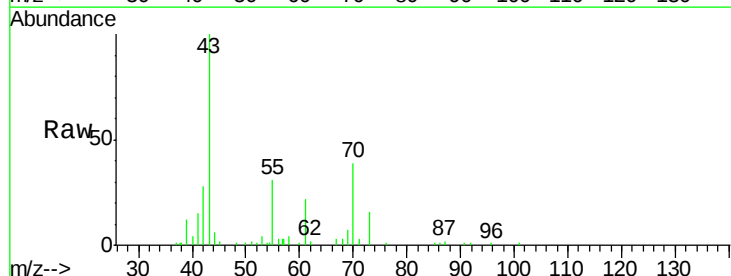
Ion Ratio Lower Upper

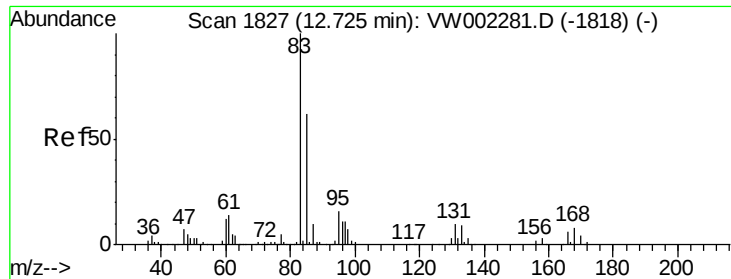
43 100

70 41.5 31.9 47.9

55 25.9 19.9 29.9

61 24.4 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 6.47 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

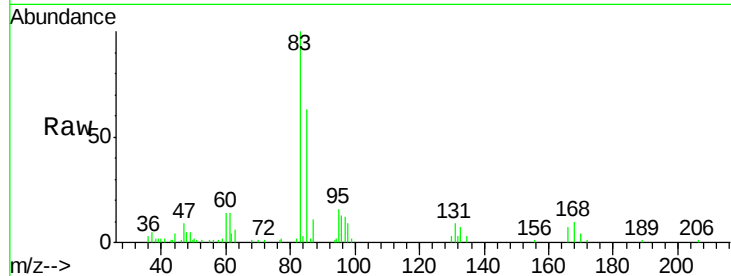
Tot Ion: 83 Resp: 10802

Ion Ratio Lower Upper

83 100

131 12.1 5.5 16.5

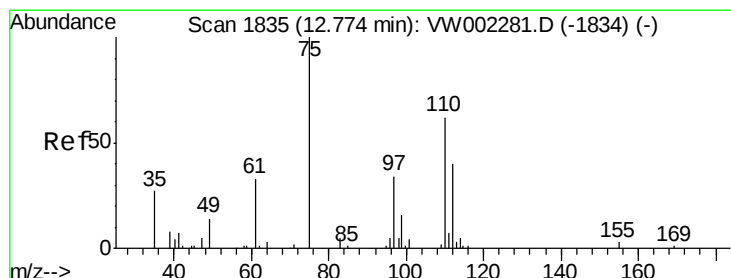
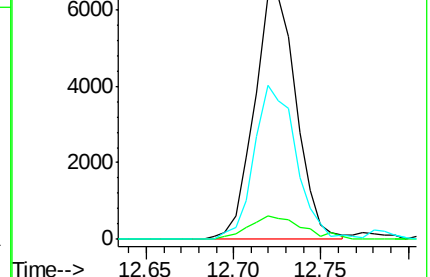
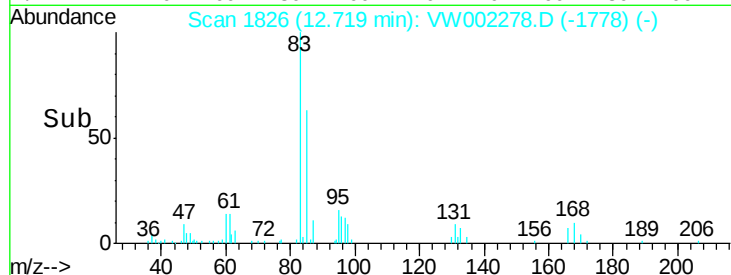
85 62.5 31.5 94.5



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: 6.53 ug/l m

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW002278.D

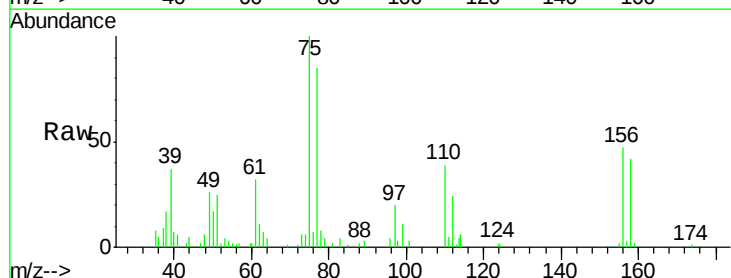
Acq: 07 May 2018 23:46

Tgt Ion: 75 Resp: 7833

Ion Ratio Lower Upper

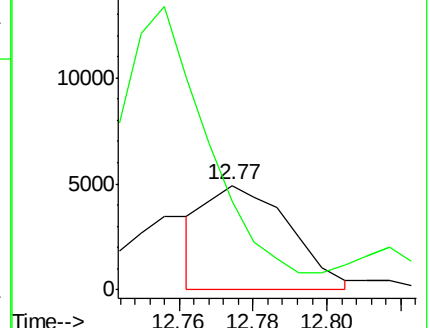
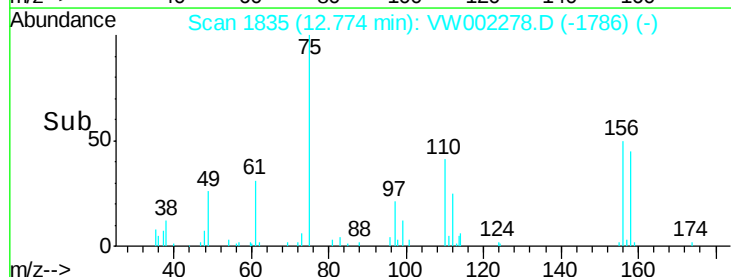
75 100

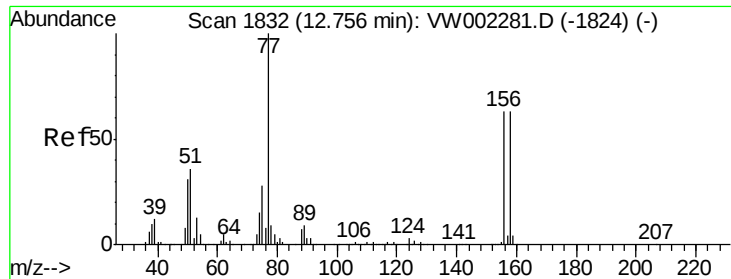
77 305.0 187.5 562.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.08 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

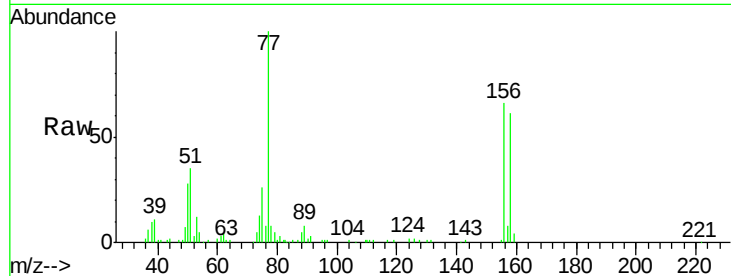
Tot Ion:156 Resp: 14567

Ion Ratio Lower Upper

156 100

77 164.0 87.7 263.1

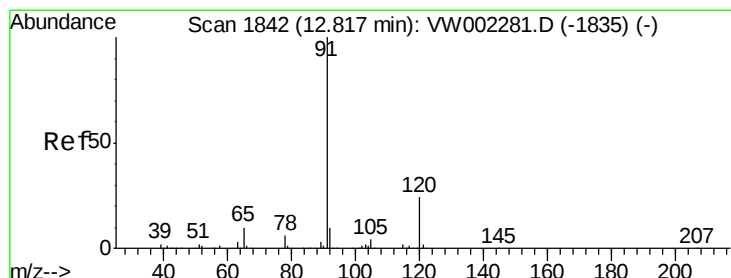
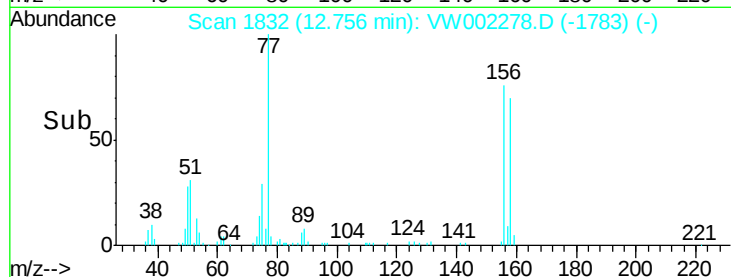
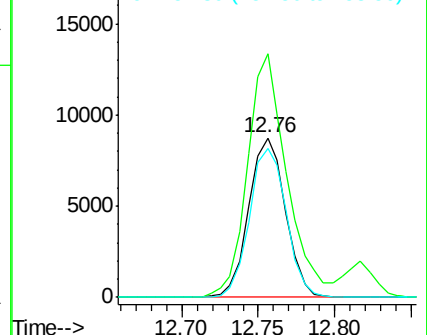
158 93.4 48.6 145.8



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: 4.89 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002278.D

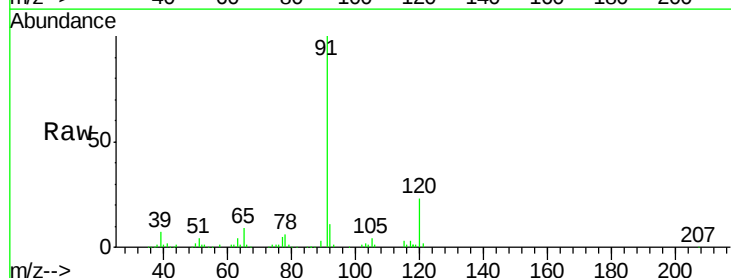
Acq: 07 May 2018 23:46

Tgt Ion: 91 Resp: 62576

Ion Ratio Lower Upper

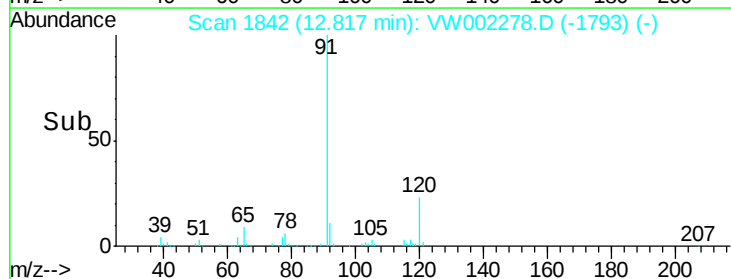
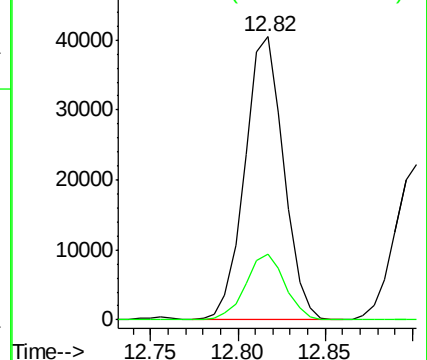
91 100

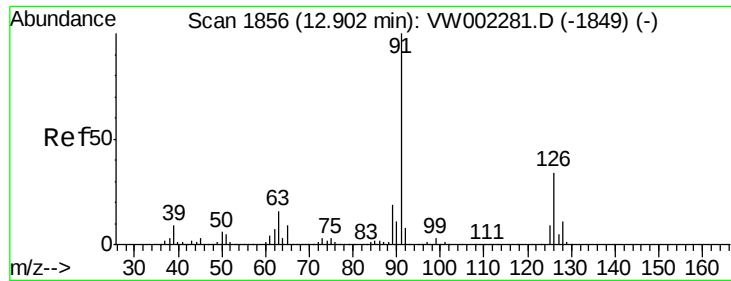
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

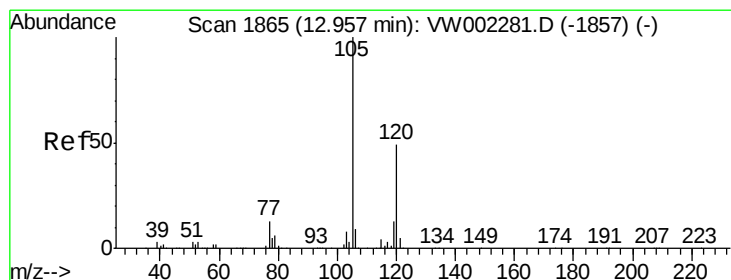
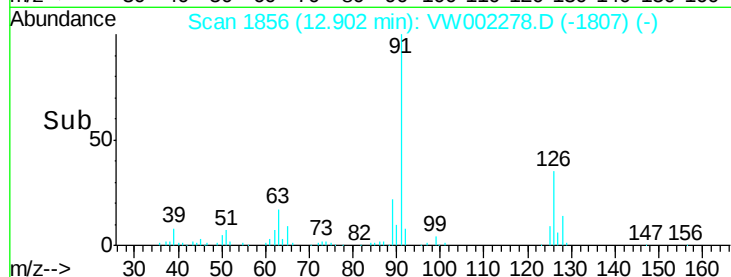
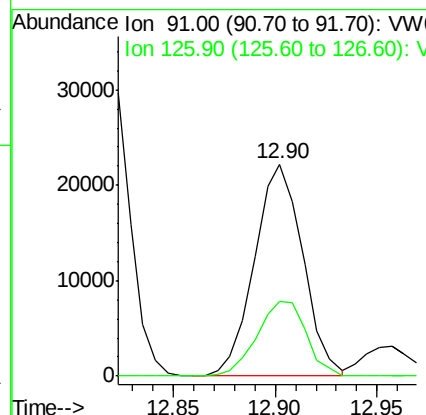
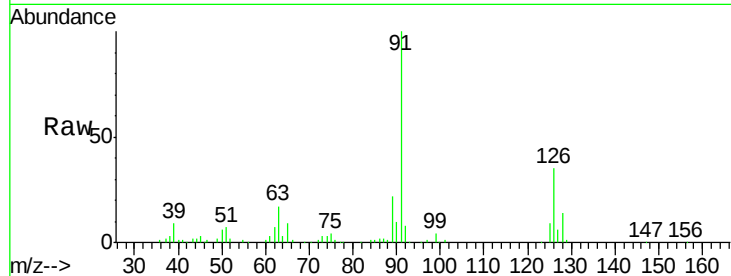




#79
 2-Chlorotoluene
 Concen: 4.89 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

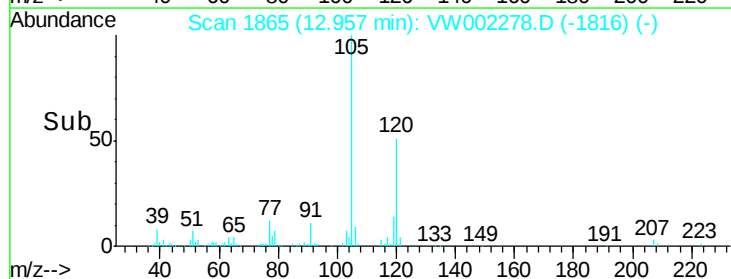
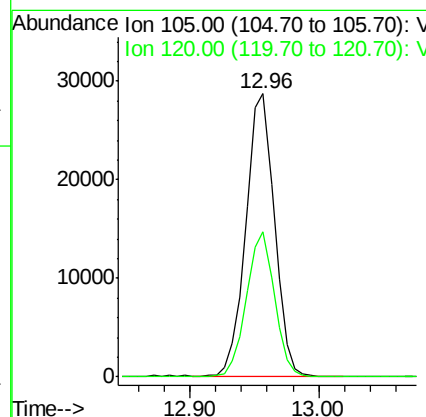
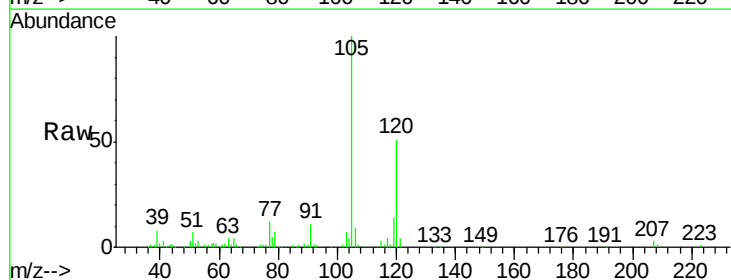
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

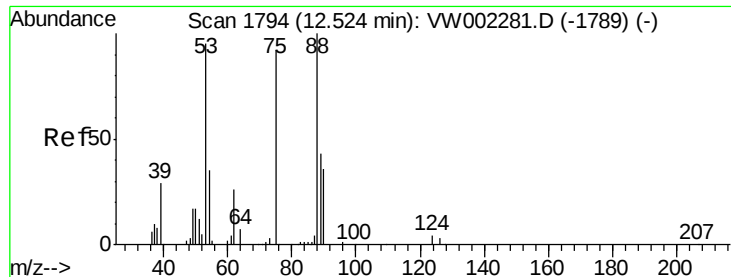
Tot Ion: 91 Resp: 36761
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 4.60 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion:105 Resp: 44010
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 5.69 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

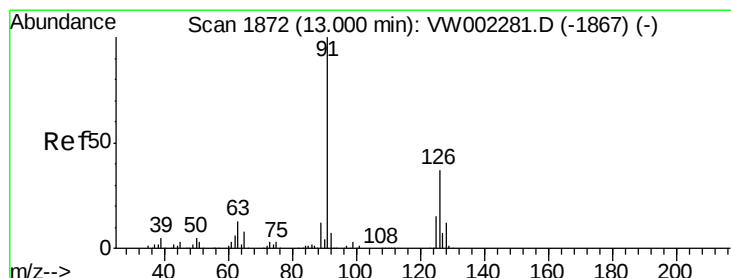
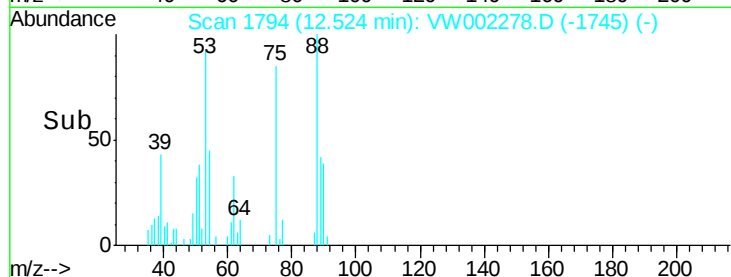
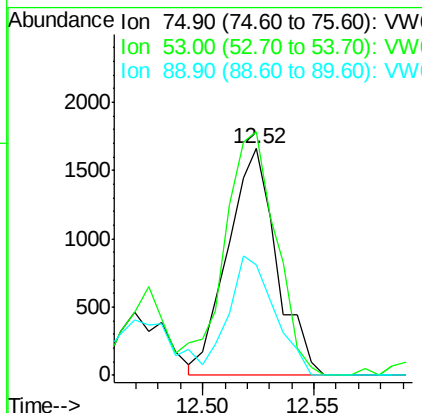
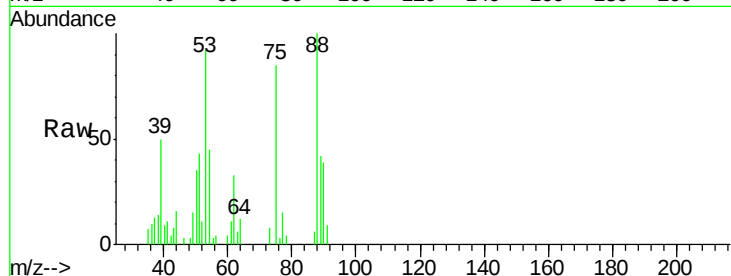
Tot Ion: 75 Resp: 2539

Ion Ratio Lower Upper

75 100

53 111.4 79.9 119.9

89 49.1 37.6 56.4



#82

4-Chlorotoluene

Concen: 4.60 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002278.D

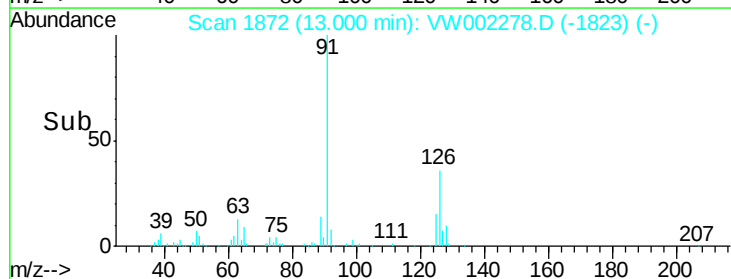
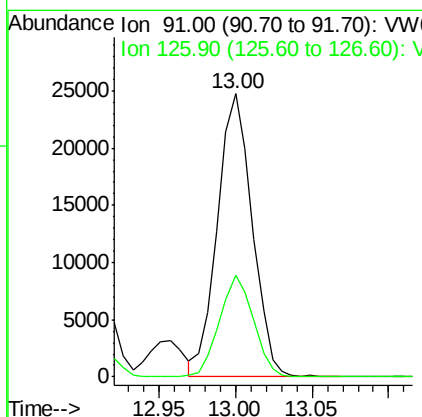
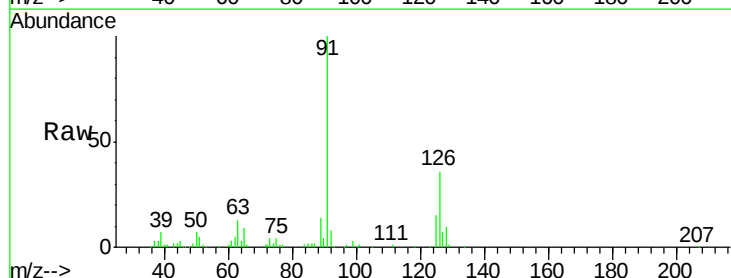
Acq: 07 May 2018 23:46

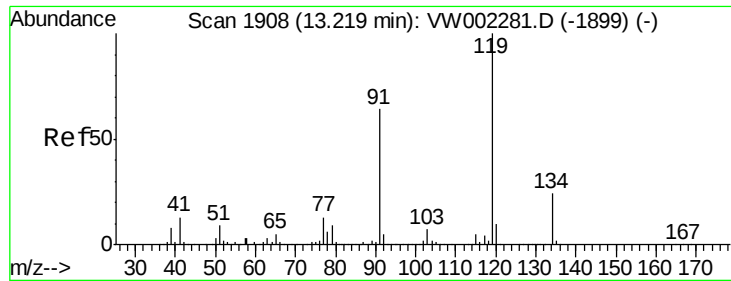
Tgt Ion: 91 Resp: 39074

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3

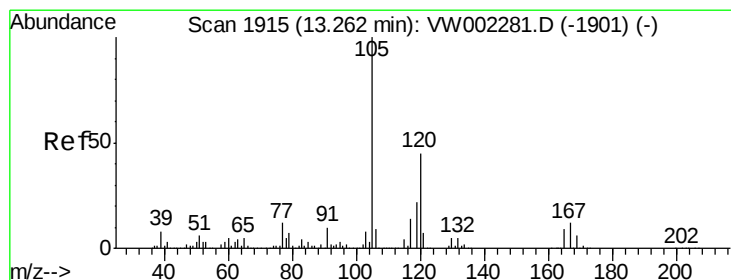
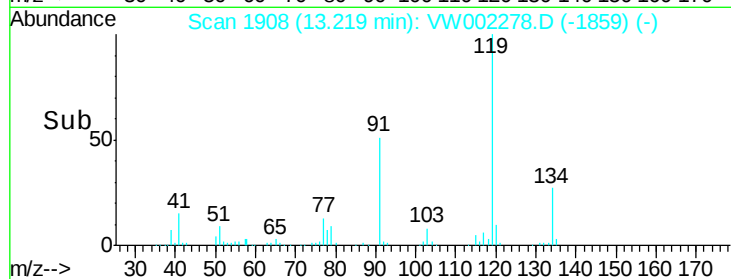
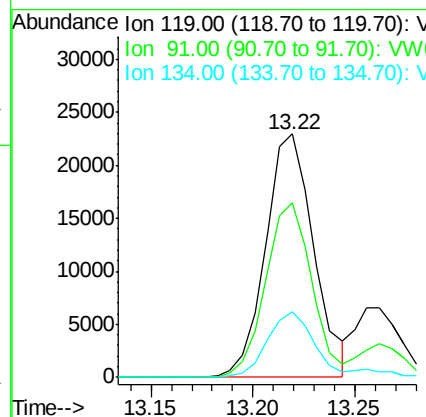
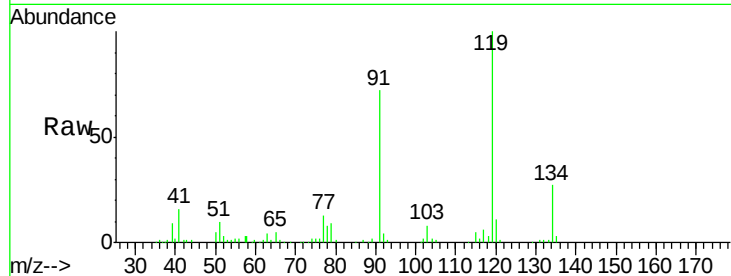




#83
tert-Butylbenzene
Concen: 4.50 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

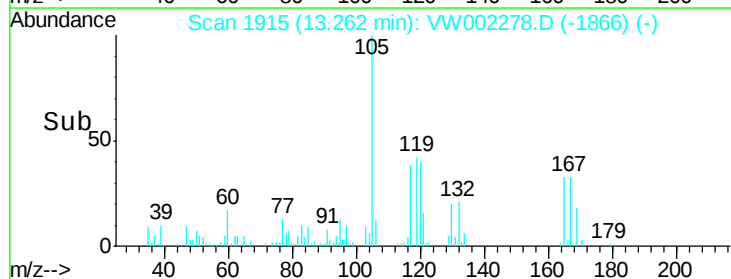
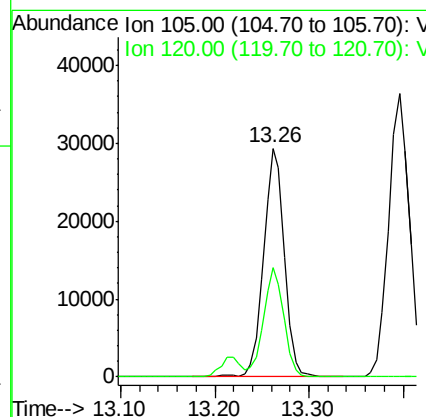
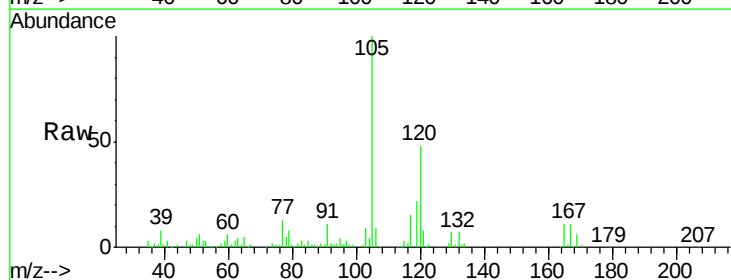
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

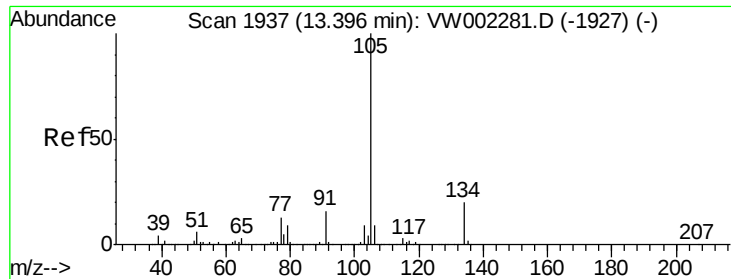
Tot Ion:119 Resp: 37797
Ion Ratio Lower Upper
119 100
91 68.6 31.6 94.8
134 26.2 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 4.64 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion:105 Resp: 45628
Ion Ratio Lower Upper
105 100
120 46.9 22.5 67.5

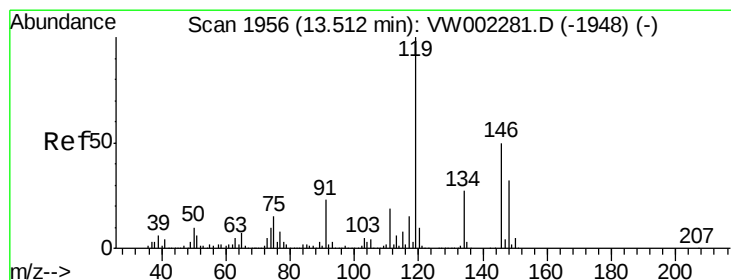
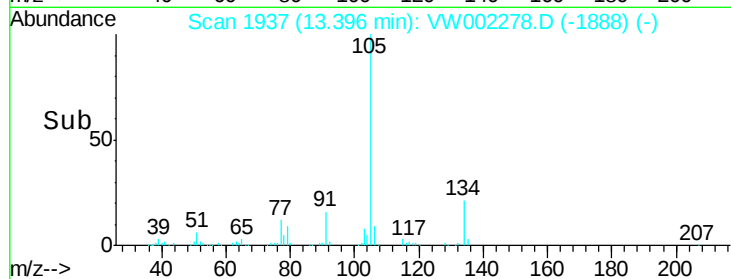
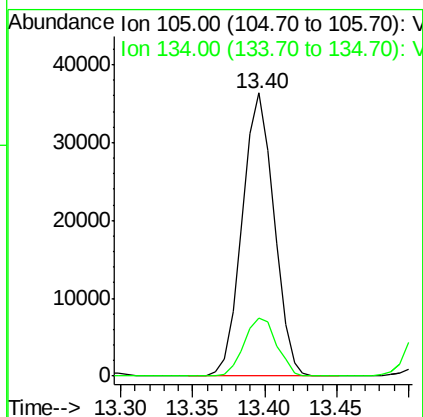
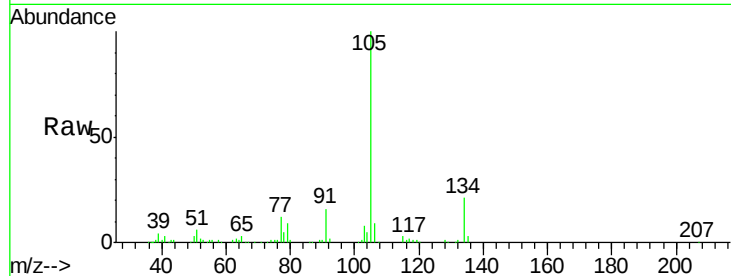




#85
 sec-Butylbenzene
 Concen: 4.78 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

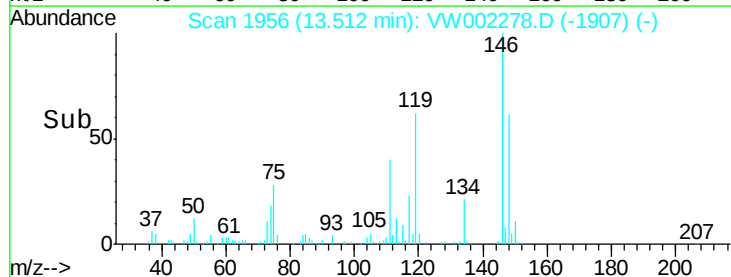
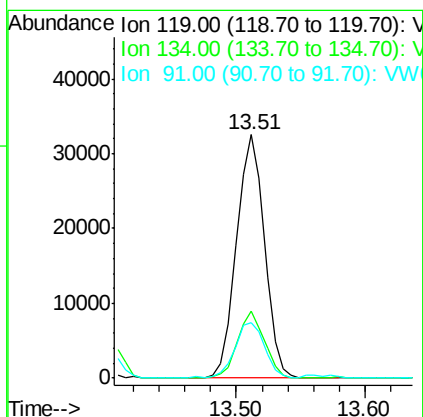
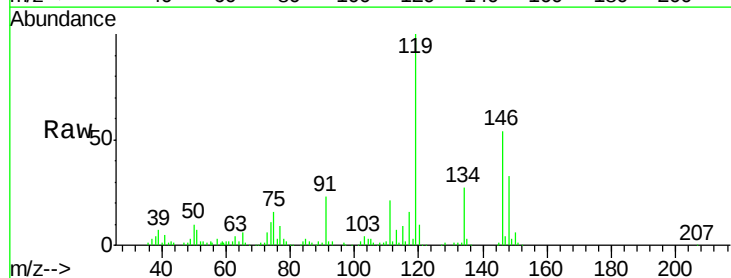
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

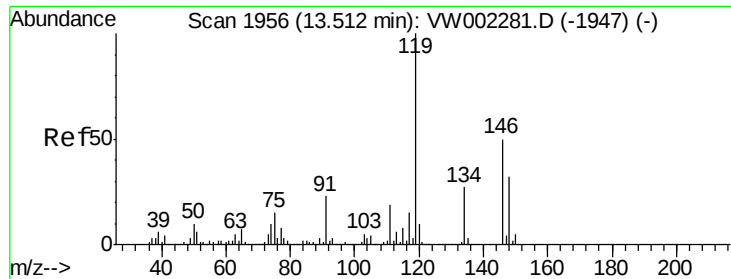
Tot Ion:105 Resp: 55700
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 4.59 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion:119 Resp: 49112
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 24.5 11.8 35.3

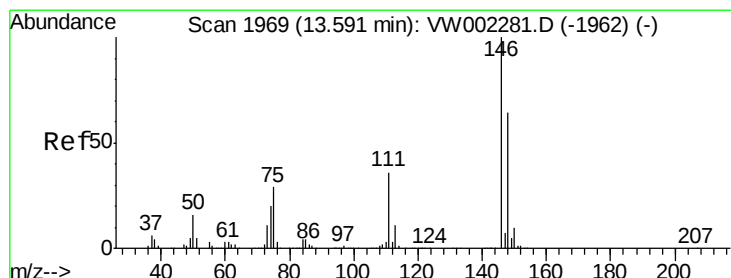
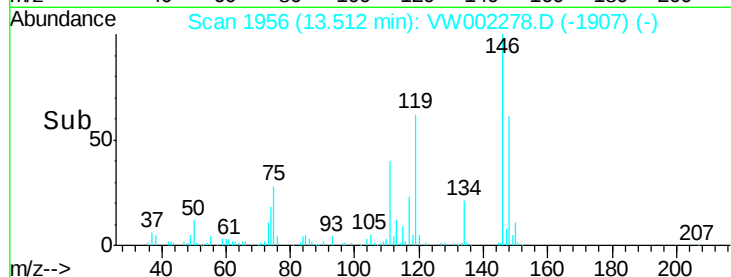
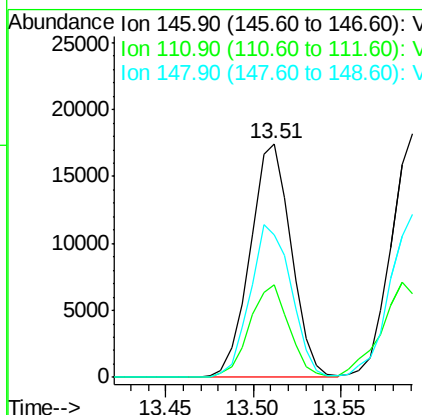
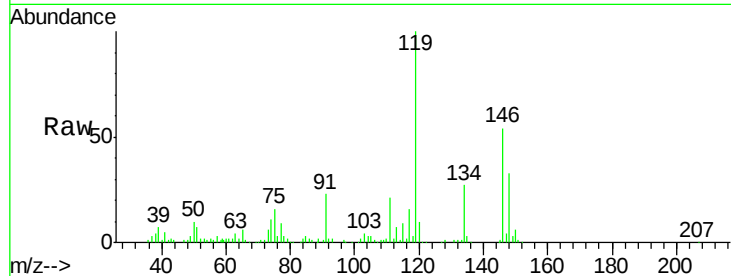




#87
 1,3-Dichlorobenzene
 Concen: 4.85 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

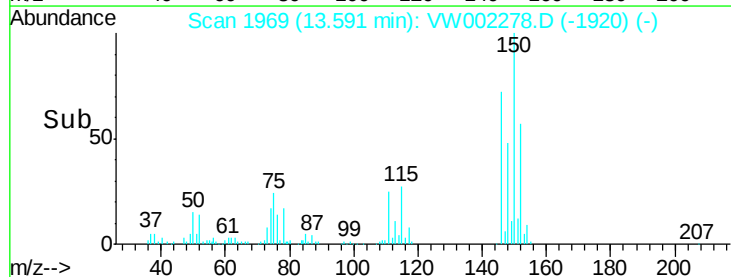
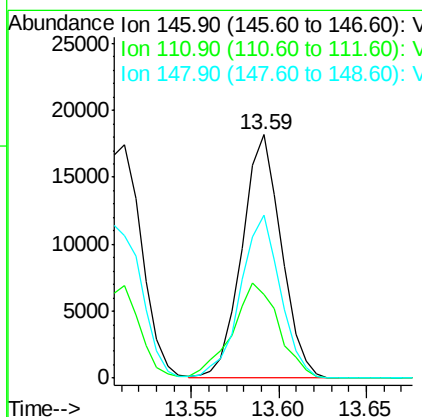
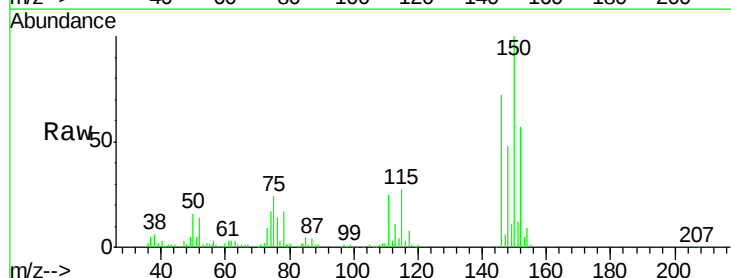
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

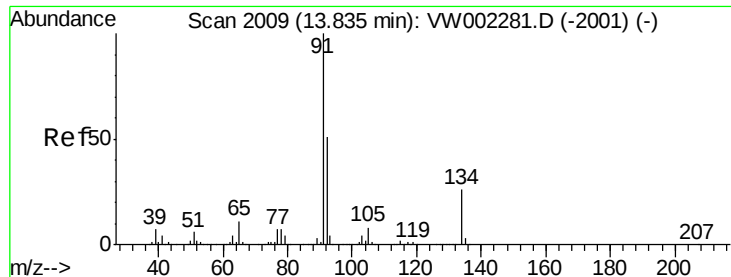
Tot Ion:146 Resp: 28461
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.3 57.8
 148 65.7 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 4.87 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion:146 Resp: 28539
 Ion Ratio Lower Upper
 146 100
 111 46.2 19.0 57.0
 148 68.1 32.3 96.9

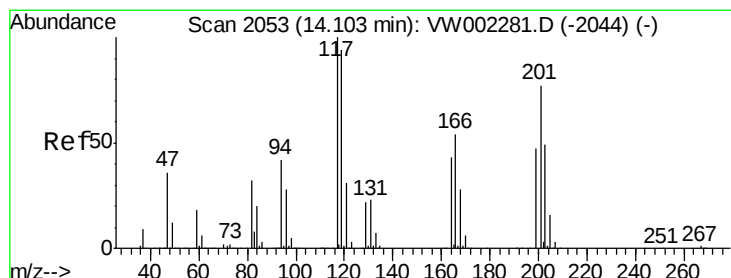
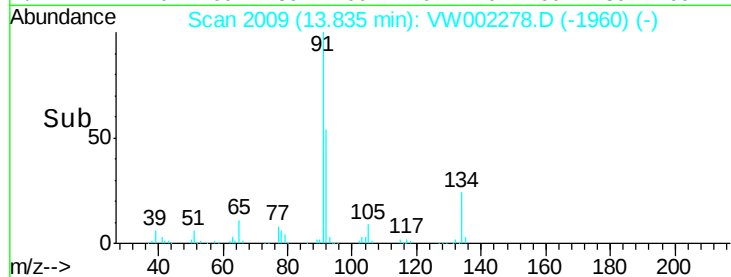
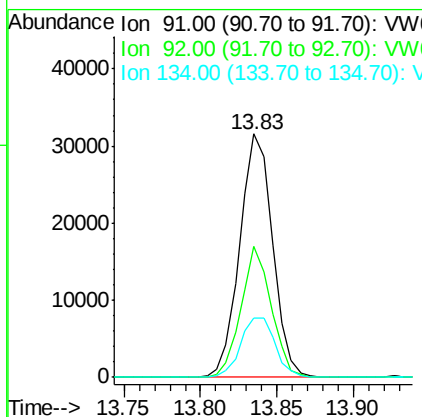
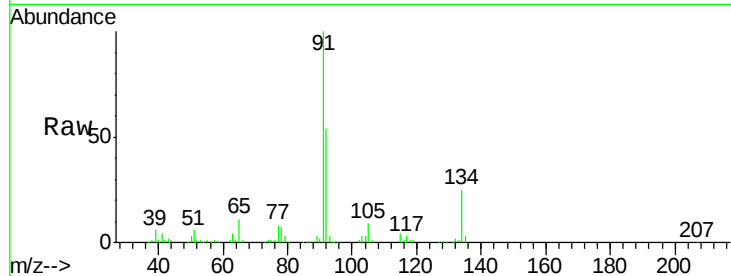




#89
n-Butylbenzene
Concen: 4.91 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

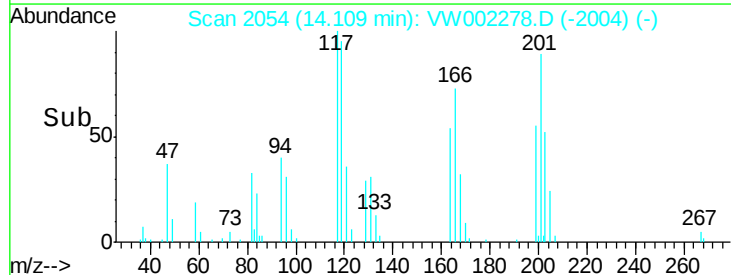
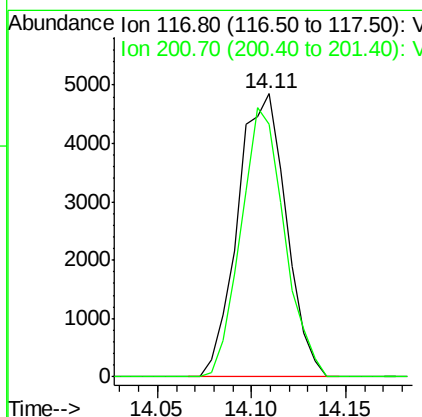
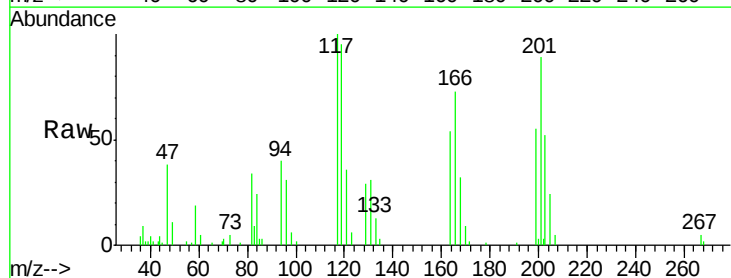
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

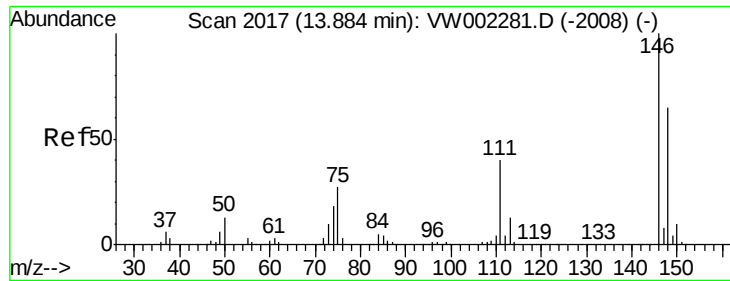
Tot Ion: 91 Resp: 47091
Ion Ratio Lower Upper
91 100
92 49.6 25.9 77.8
134 25.7 13.1 39.1



#90
Hexachloroethane
Concen: 4.16 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW002278.D
Acq: 07 May 2018 23:46

Tgt Ion: 117 Resp: 8637
Ion Ratio Lower Upper
117 100
201 85.6 42.2 126.6

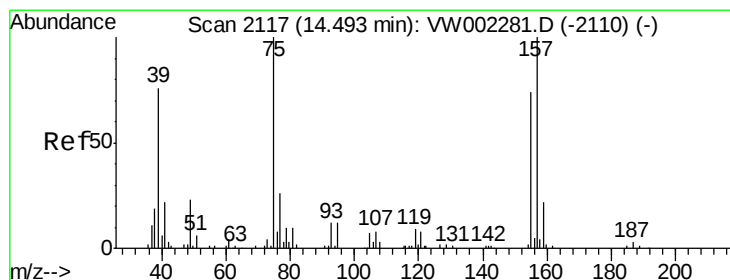
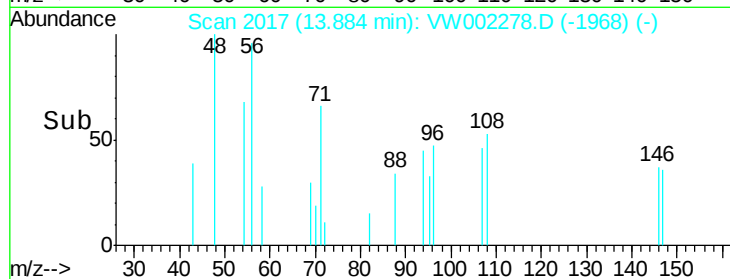
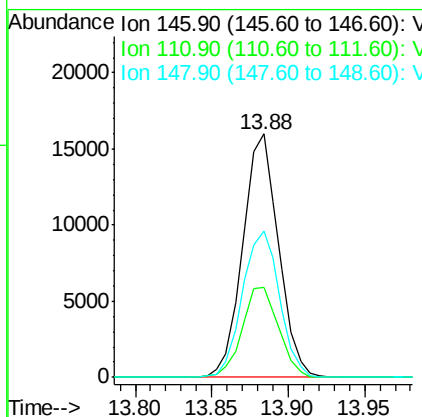
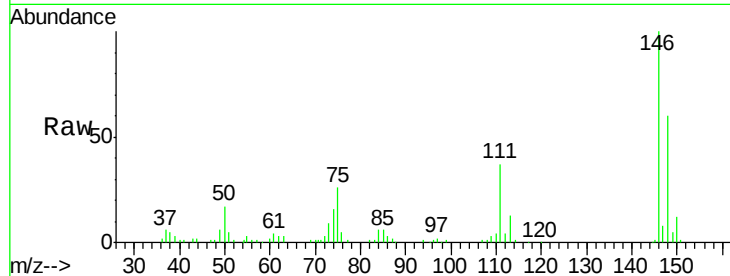




#91
 1,2-Dichlorobenzene
 Concen: 5.04 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

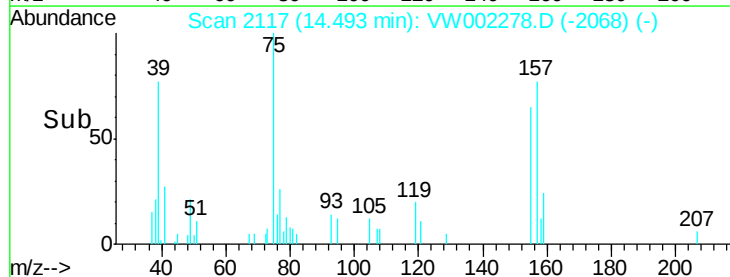
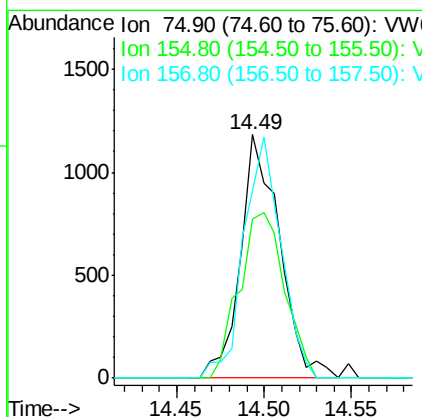
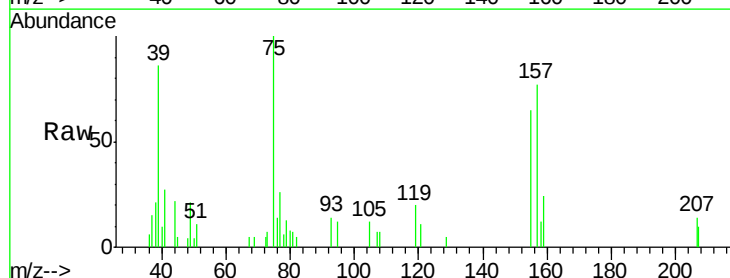
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

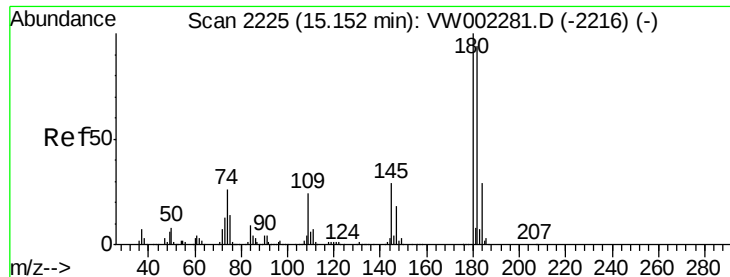
Tot Ion:146 Resp: 25880
 Ion Ratio Lower Upper
 146 100
 111 37.8 20.0 59.9
 148 62.6 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.90 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion: 75 Resp: 1843
 Ion Ratio Lower Upper
 75 100
 155 78.8 43.3 129.8
 157 94.6 55.8 167.4

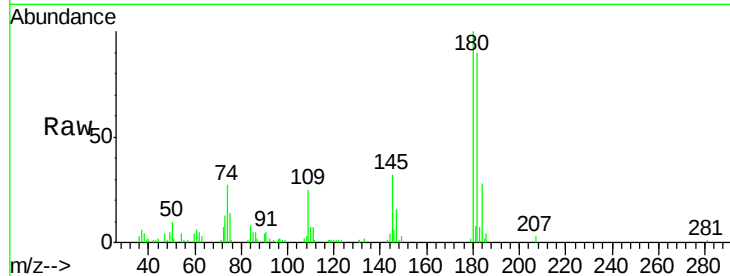




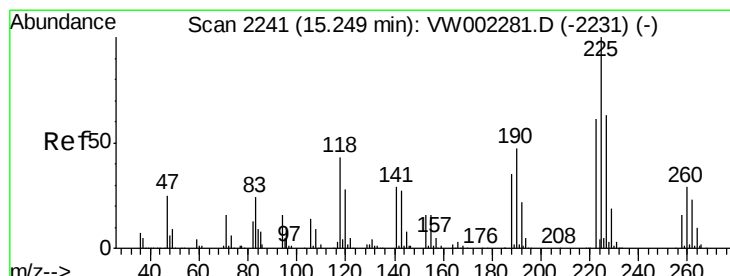
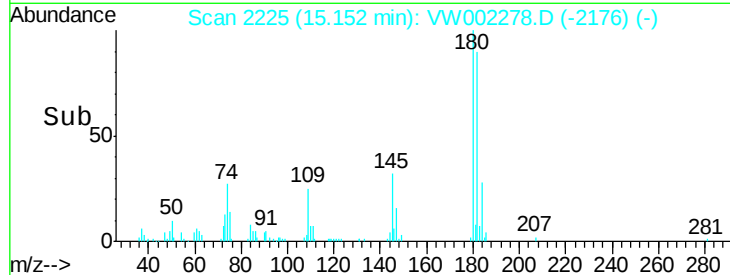
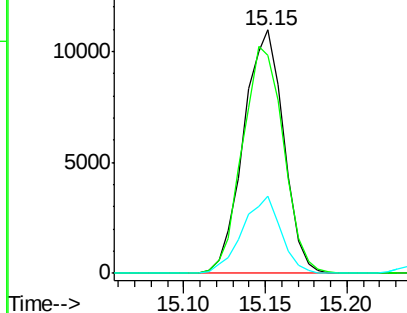
#93
 1,2,4-Trichlorobenzene
 Concen: 4.98 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.8
145	30.6	14.5	43.6

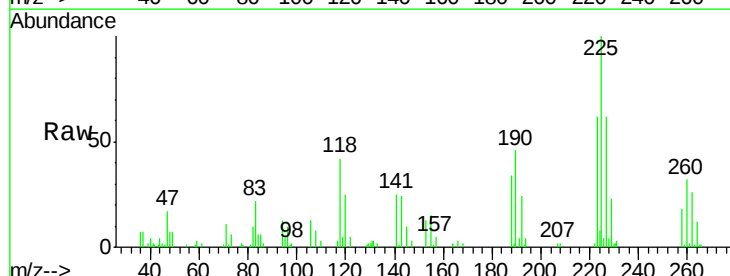


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

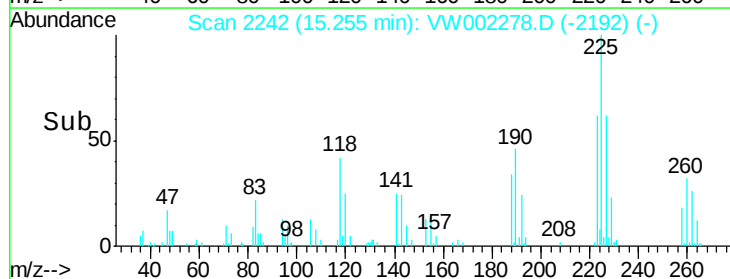
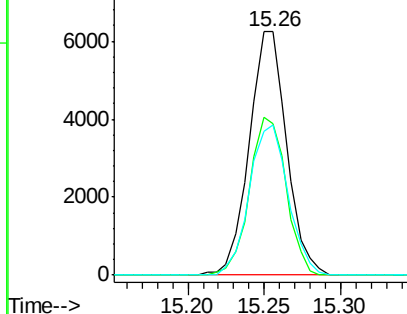


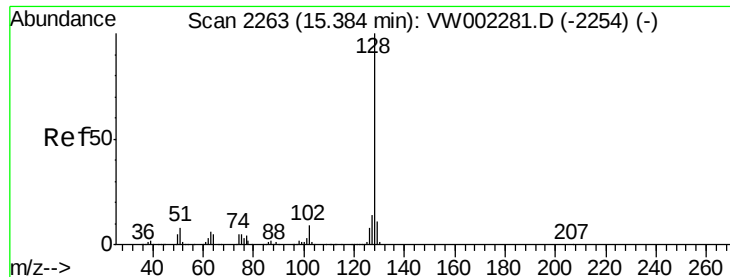
#94
 Hexachlorobutadiene
 Concen: 4.08 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW002278.D
 Acq: 07 May 2018 23:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.9	92.7
227	63.4	32.0	96.0



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





#95

Naphthalene

Concen: 5.42 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

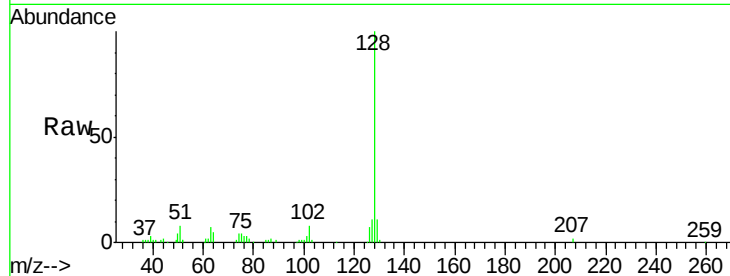
Tot Ion:128 Resp: 30287

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

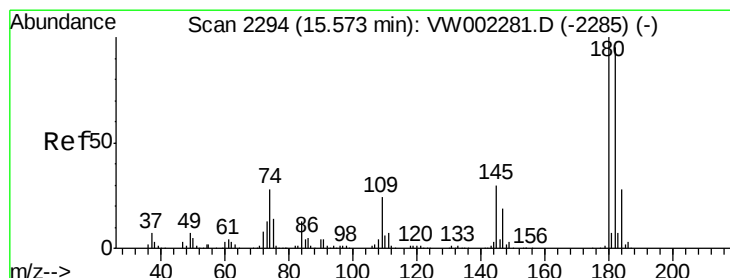
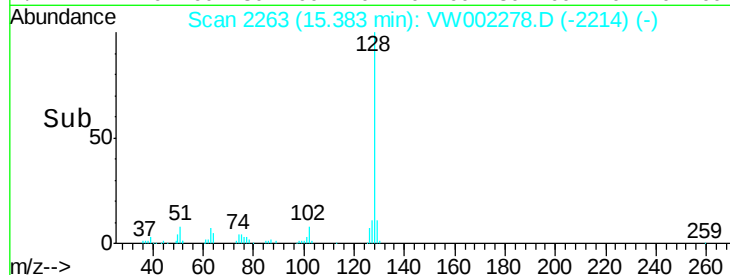
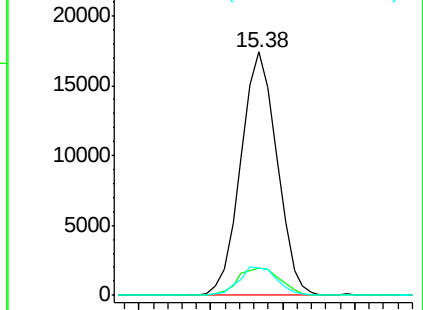
129 12.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.16 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002278.D

Acq: 07 May 2018 23:46

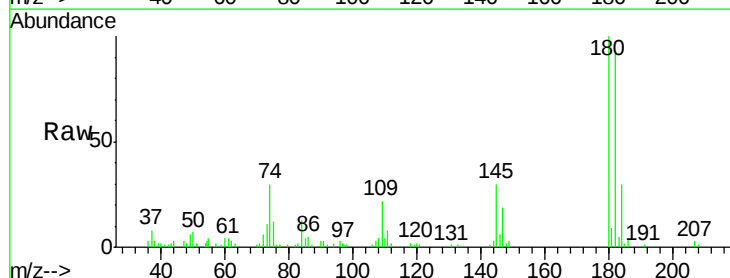
Tgt Ion:180 Resp: 16534

Ion Ratio Lower Upper

180 100

182 96.7 48.0 144.0

145 32.2 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

