

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101518\
 Data File : VW006063.D
 Acq On : 15 Oct 2018 17:19
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Oct 16 04:23:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	399457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	199603	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	23731	8.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.48%	
35) Dibromofluoromethane	7.88	113	24666	9.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.58%	
50) Toluene-d8	10.33	98	92484	9.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.14%	
62) 4-Bromofluorobenzene	12.62	95	34588	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	12728	9.010	ug/l	99
3) Chloromethane	2.21	50	17536	10.421	ug/l	98
4) Vinyl Chloride	2.37	62	25940	9.939	ug/l	96
5) Bromomethane	2.79	94	23607	11.283	ug/l	96
6) Chloroethane	2.92	64	17213	10.154	ug/l	96
7) Trichlorofluoromethane	3.26	101	22210	10.439	ug/l	99
8) Diethyl Ether	3.68	74	12548	9.689	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.07	101	25786	9.905	ug/l	99
10) Methyl Iodide	4.27	142	42395	9.920	ug/l	99
11) Tert butyl alcohol	5.21	59	8871	45.175	ug/l	97
12) 1,1-Dichloroethene	4.04	96	24602	9.892	ug/l	91
13) Acrolein	3.89	56	8425	47.217	ug/l	95
14) Allyl chloride	4.67	41	33816	8.127	ug/l	98
15) Acrylonitrile	5.37	53	23396	43.229	ug/l	98
16) Acetone	4.13	43	35432	66.635	ug/l	98
17) Carbon Disulfide	4.38	76	71788	9.551	ug/l	96
18) Methyl Acetate	4.68	43	11873	8.716	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	36711	9.499	ug/l	97
20) Methylene Chloride	4.92	84	28519	10.335	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	27487	10.110	ug/l	97
22) Diisopropyl ether	6.32	45	66463	8.494	ug/l	97
23) Vinyl Acetate	6.26	43	196570	41.135	ug/l	100
24) 1,1-Dichloroethane	6.21	63	43854	9.087	ug/l	98
25) 2-Butanone	7.18	43	35808	47.071	ug/l	100
26) 2,2-Dichloropropane	7.17	77	33376	9.887	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	29037	9.463	ug/l	95
28) Bromochloromethane	7.52	49	15055	8.241	ug/l	99
29) Tetrahydrofuran	7.53	42	19582	40.691	ug/l	99
30) Chloroform	7.68	83	47209	9.461	ug/l	99
31) Cyclohexane	7.95	56	46294	9.721	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	43025	9.666	ug/l	99
36) 1,1-Dichloropropene	8.09	75	38489	10.186	ug/l	98
37) Ethyl Acetate	7.26	43	13826	8.803	ug/l	100
38) Carbon Tetrachloride	8.07	117	41208	10.118	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50829	10.214	ug/l	96
40) Benzene	8.33	78	104715	10.121	ug/l	98
41) Methacrylonitrile	7.49	41	8901	8.985	ug/l	96
42) 1,2-Dichloroethane	8.40	62	29524	9.449	ug/l	99
43) Isopropyl Acetate	8.43	43	27694	8.466	ug/l	99
44) Trichloroethene	9.09	130	32058	10.614	ug/l	98
45) 1,2-Dichloropropane	9.37	63	24841	9.636	ug/l	98
46) Dibromomethane	9.46	93	13991	9.814	ug/l	100
47) Bromodichloromethane	9.65	83	33040	9.244	ug/l	97
48) Methyl methacrylate	9.44	41	13053	8.354	ug/l	98
49) 1,4-Dioxane	9.47	88	4251	195.303	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	71870	44.910	ug/l	99
52) Toluene	10.39	92	68344	10.016	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	32071	8.659	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	37251	8.912	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	19374	9.785	ug/l	98
56) Ethyl methacrylate	10.65	69	22853	8.687	ug/l	99
57) 1,3-Dichloropropane	10.93	76	32587	9.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	44451	41.882	ug/l	99
59) 2-Hexanone	10.98	43	53639	47.000	ug/l	99
60) Dibromochloromethane	11.13	129	23060	9.061	ug/l	100
61) 1,2-Dibromoethane	11.24	107	19028	9.609	ug/l	98
64) Tetrachloroethene	10.87	164	29549	10.998	ug/l	93
65) Chlorobenzene	11.66	112	80629	10.516	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	27181	9.670	ug/l	98
67) Ethyl Benzene	11.74	91	140814	10.435	ug/l	98
68) m/p-Xylenes	11.85	106	110275	20.848	ug/l	99
69) o-Xylene	12.17	106	51525	10.166	ug/l	99
70) Styrene	12.19	104	83474	9.946	ug/l	100
71) Bromoform	12.35	173	14582	8.769	ug/l #	100
73) Isopropylbenzene	12.47	105	146075	10.151	ug/l	99
74) N-amyl acetate	12.28	43	27308	8.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	21664	9.243	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	28824	16.758	ug/l #	100
77) Bromobenzene	12.76	156	35622	10.389	ug/l	99
78) n-propylbenzene	12.81	91	174317	10.307	ug/l	99
79) 2-Chlorotoluene	12.90	91	95885	10.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	124032	10.195	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	6287	7.761	ug/l	98
82) 4-Chlorotoluene	12.99	91	100504	10.034	ug/l	99
83) tert-Butylbenzene	13.21	119	111040	10.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	126051	10.282	ug/l	99
85) sec-Butylbenzene	13.39	105	157911	10.401	ug/l	100
86) p-Isopropyltoluene	13.51	119	143197	10.473	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	72474	10.652	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	72887	10.782	ug/l	98
89) n-Butylbenzene	13.83	91	132643	10.357	ug/l	100
90) Hexachloroethane	14.10	117	23195	9.118	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	63766	10.537	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3822	8.814	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Oct 16 04:19:21 2018
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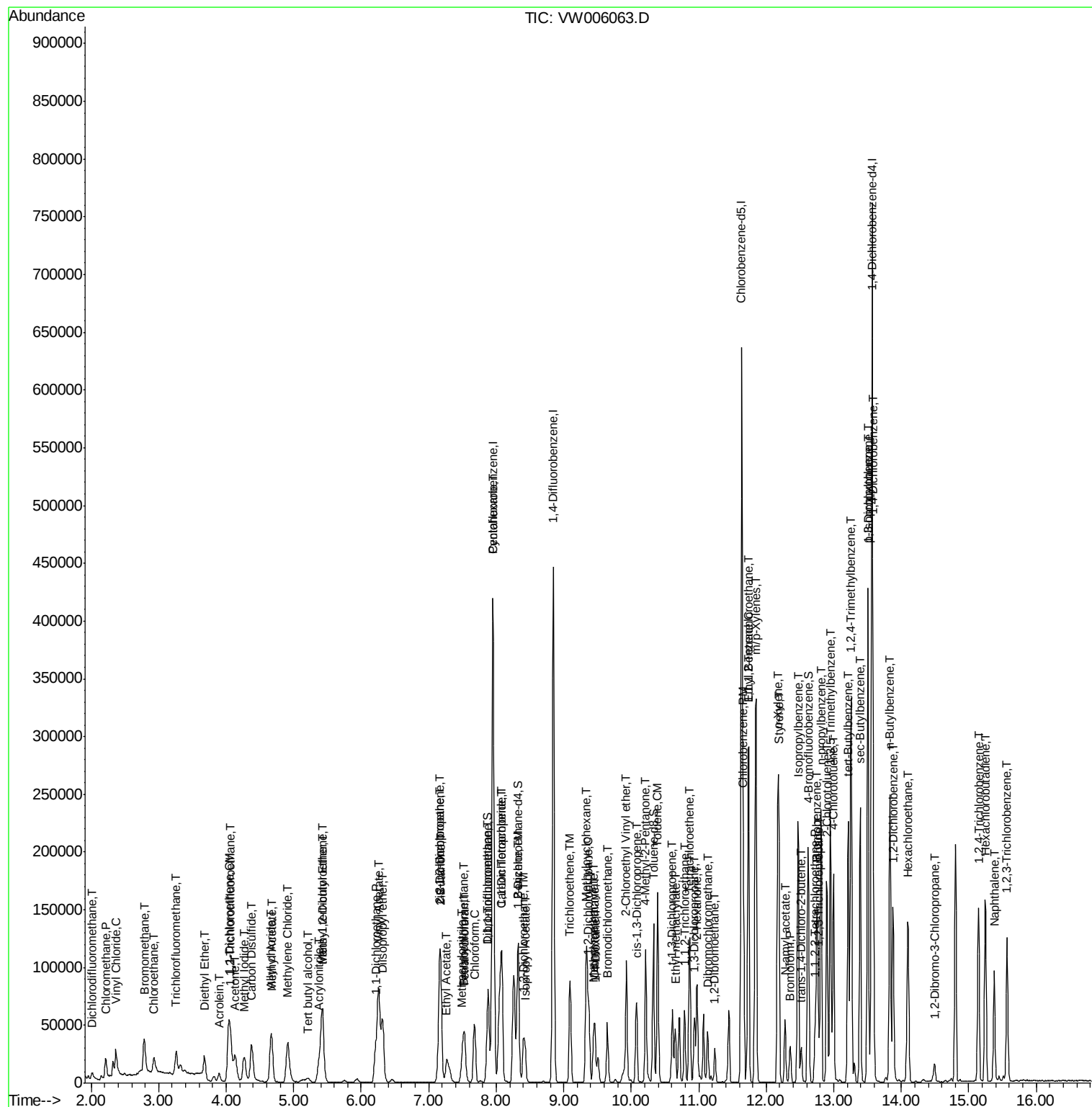
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	51897	11.139	ug/l	100
94) Hexachlorobutadiene	15.24	225	32341	11.115	ug/l	100
95) Naphthalene	15.38	128	85384	10.665	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	44629	11.058	ug/l	99

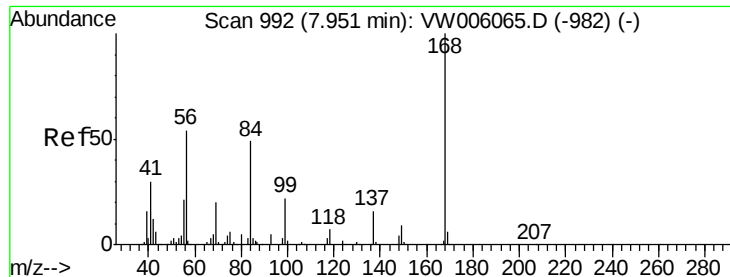
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101518\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

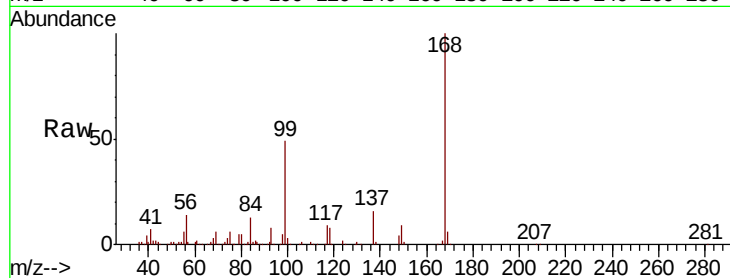
VSTDIC010

Tgt Ion:168 Resp: 286041

Ion Ratio Lower Upper

168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

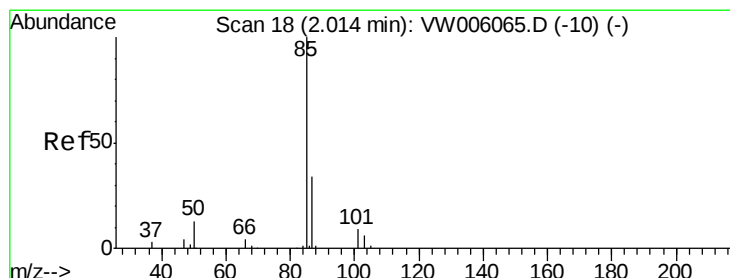
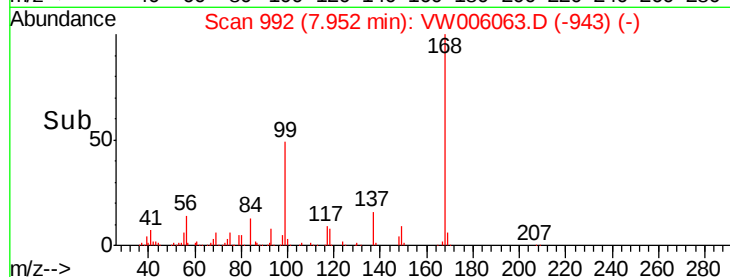
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 9.010 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006063.D

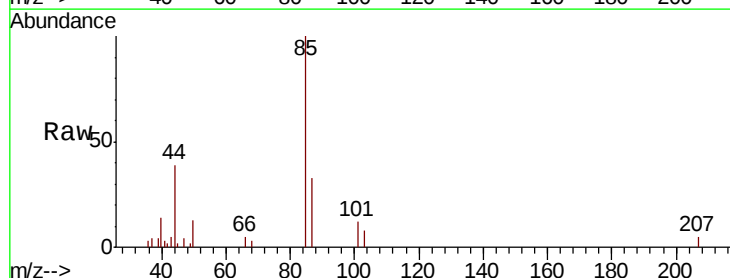
Acq: 15 Oct 2018 17:19

Tgt Ion: 85 Resp: 12728

Ion Ratio Lower Upper

85 100

87 33.0 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

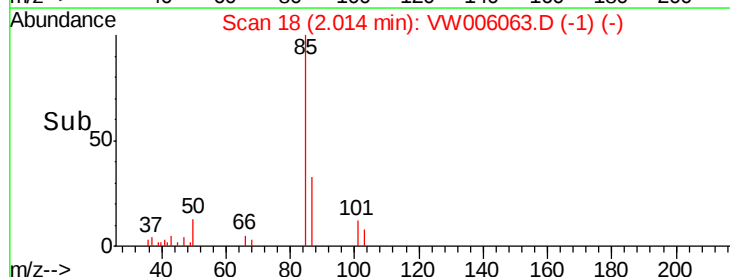
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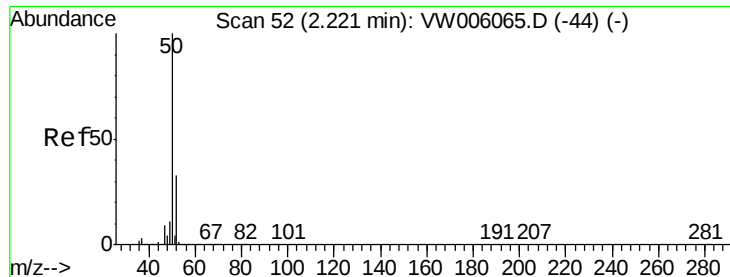
2000

1000

0

Time-->





#3

Chloromethane

Concen: 10.421 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

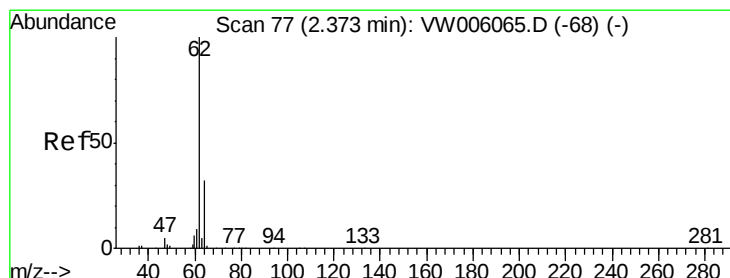
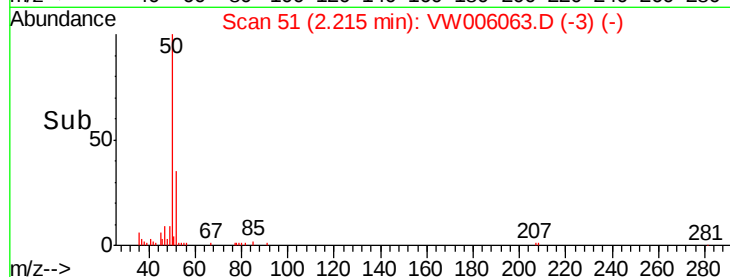
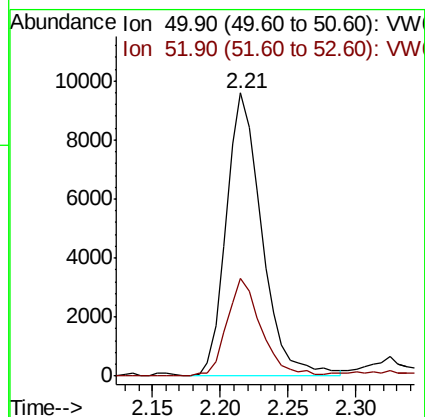
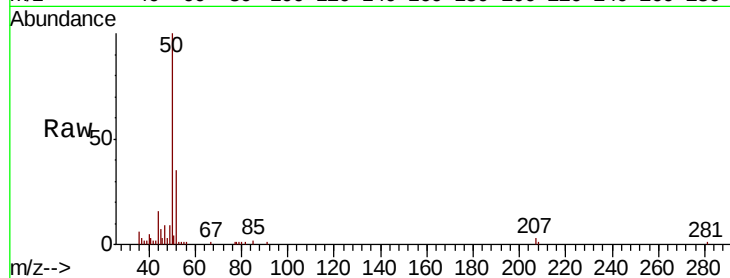
VSTDIC010

Tgt Ion: 50 Resp: 17536

Ion Ratio Lower Upper

50 100

52 34.8 26.8 40.2



#4

Vinyl Chloride

Concen: 9.939 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006063.D

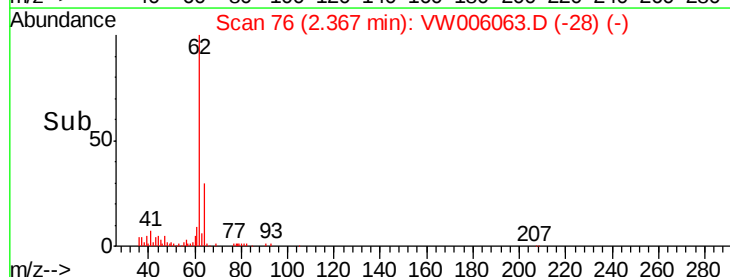
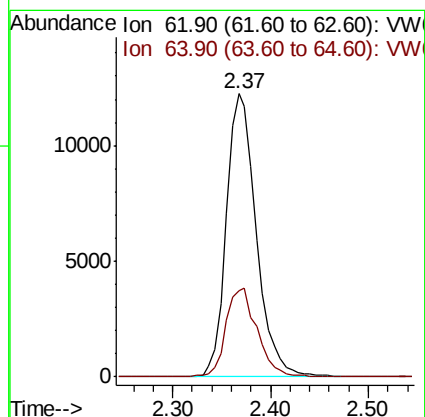
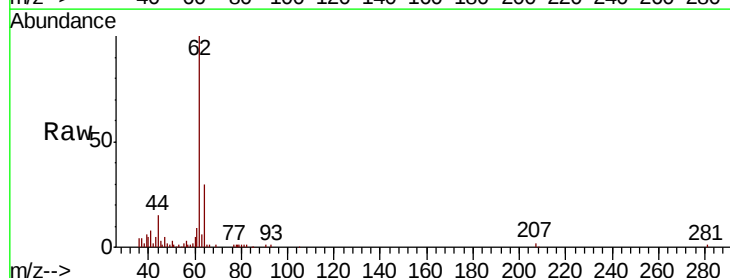
Acq: 15 Oct 2018 17:19

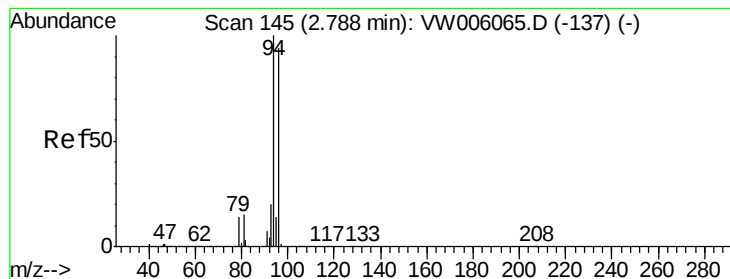
Tgt Ion: 62 Resp: 25940

Ion Ratio Lower Upper

62 100

64 30.4 25.9 38.9





#5

Bromomethane

Concen: 11.283 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

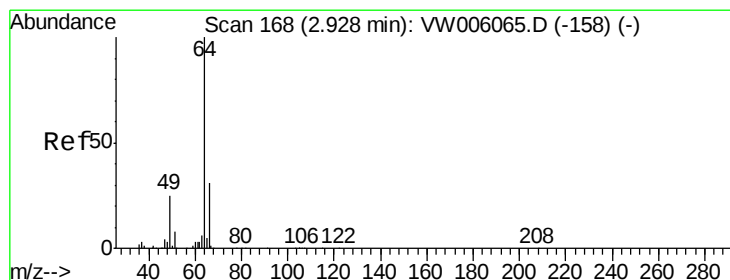
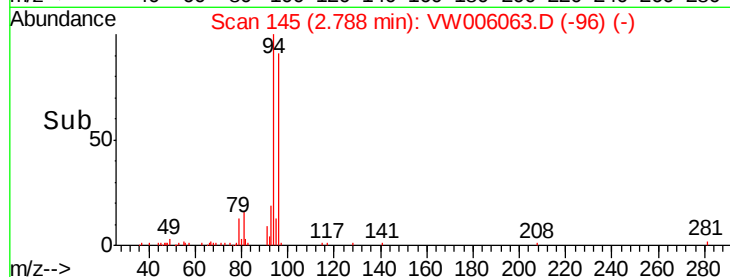
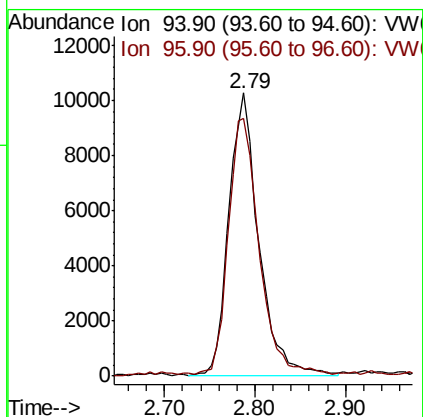
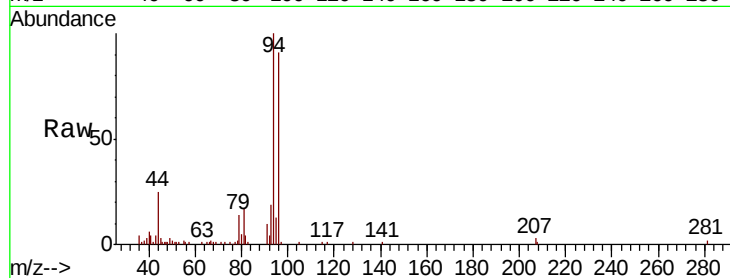
VSTDIC010

Tgt Ion: 94 Resp: 23607

Ion Ratio Lower Upper

94 100

96 90.2 74.9 112.3



#6

Chloroethane

Concen: 10.154 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006063.D

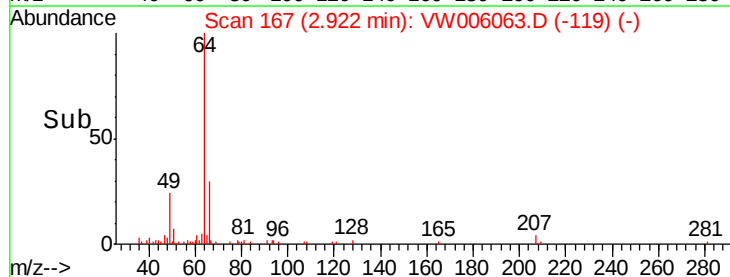
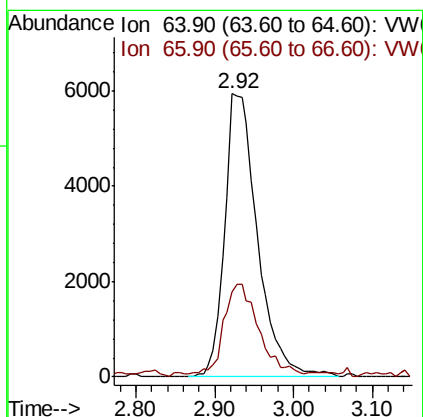
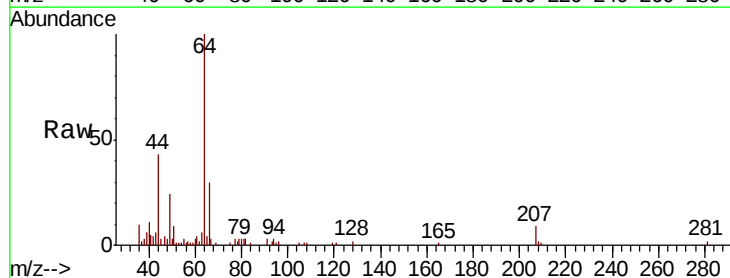
Acq: 15 Oct 2018 17:19

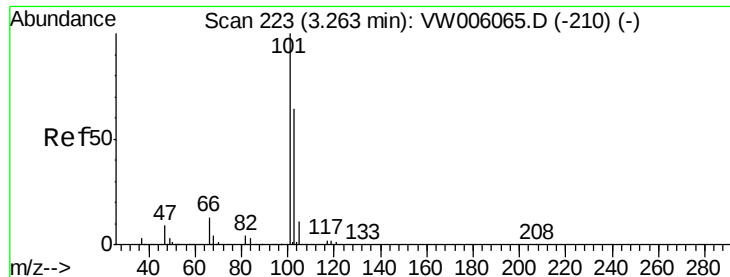
Tgt Ion: 64 Resp: 17213

Ion Ratio Lower Upper

64 100

66 28.8 24.9 37.3



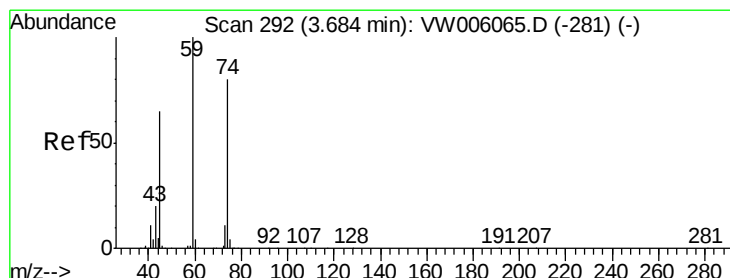
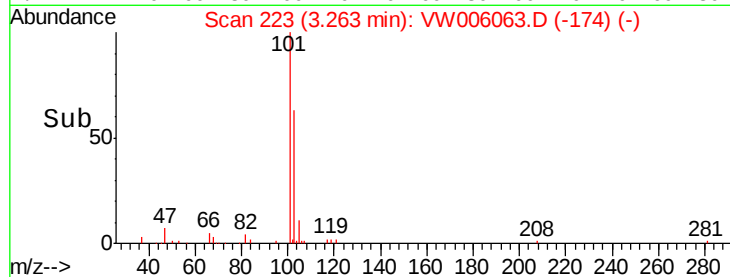
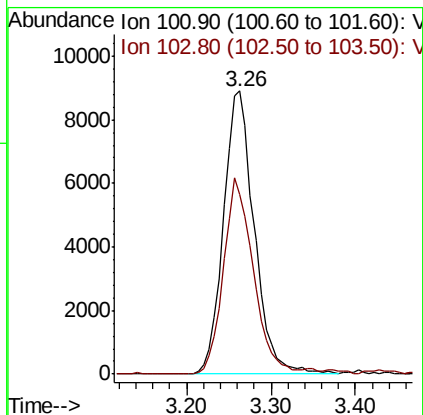
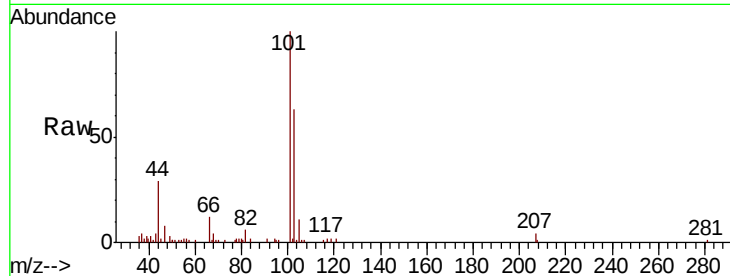


#7

Trichlorofluoromethane
 Concen: 10.439 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

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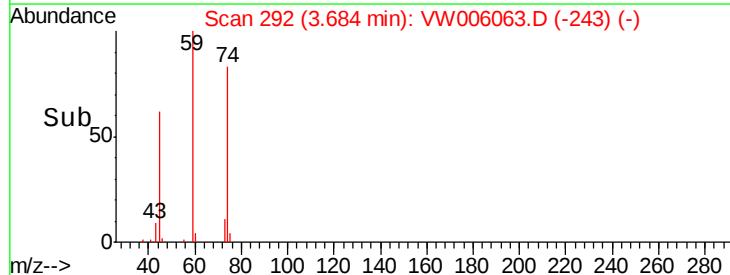
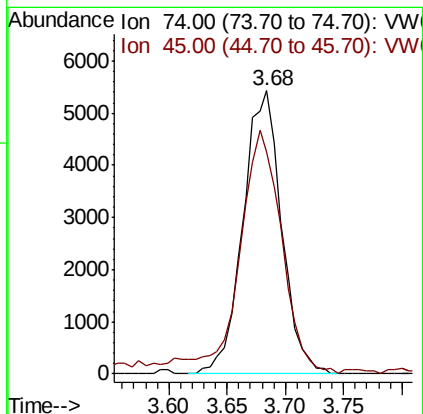
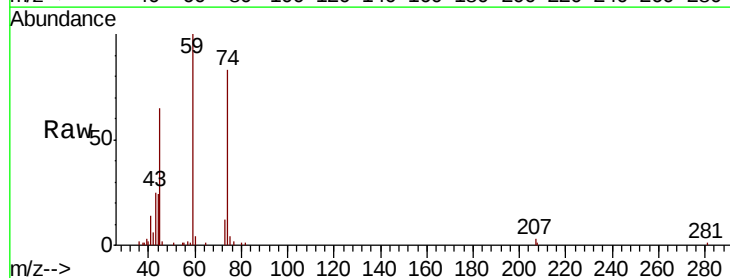
Tgt Ion: 101 Resp: 22210
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.2 76.8



#8

Diethyl Ether
 Concen: 9.689 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Tgt Ion: 74 Resp: 12548
 Ion Ratio Lower Upper
 74 100
 45 91.8 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.905 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

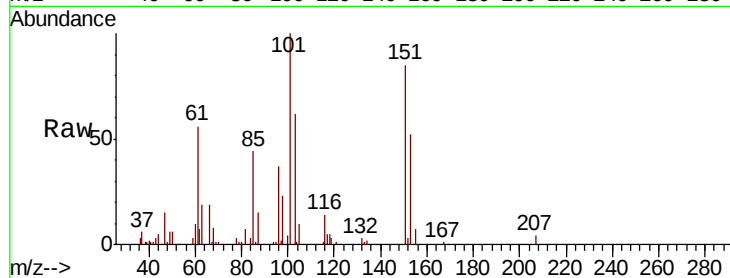
Tgt Ion:101 Resp: 25786

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

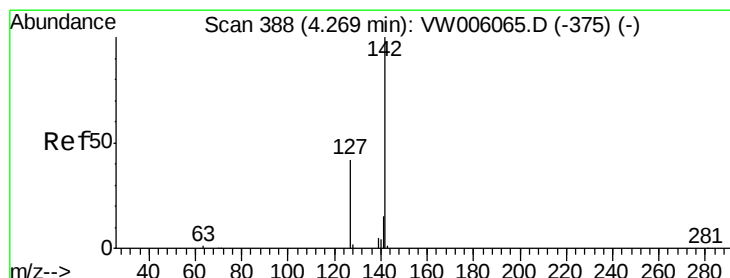
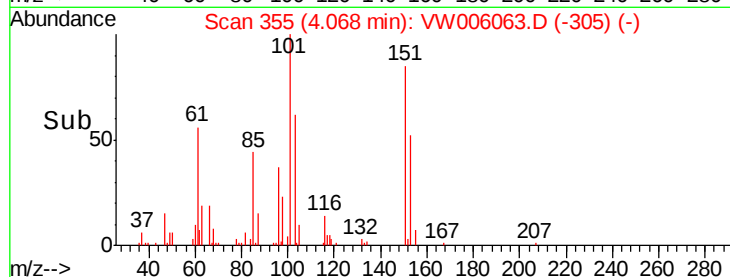
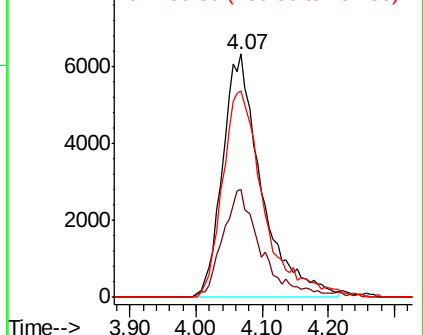
151 89.4 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.920 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

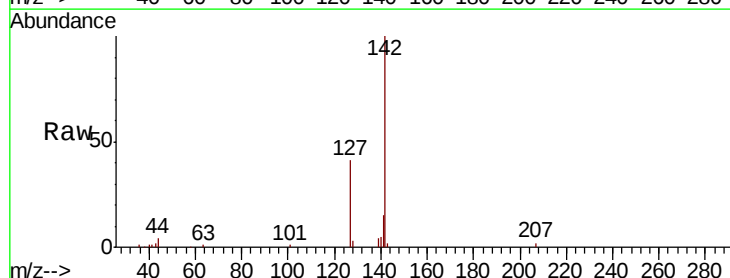
Tgt Ion:142 Resp: 42395

Ion Ratio Lower Upper

142 100

127 41.5 33.6 50.4

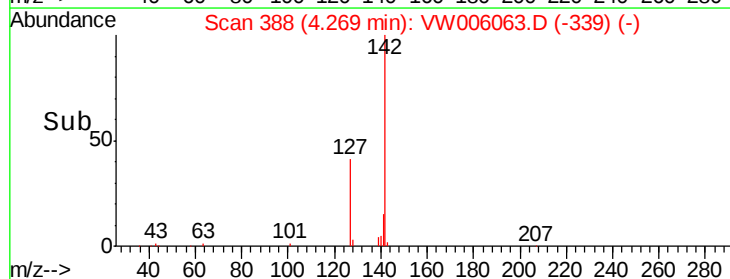
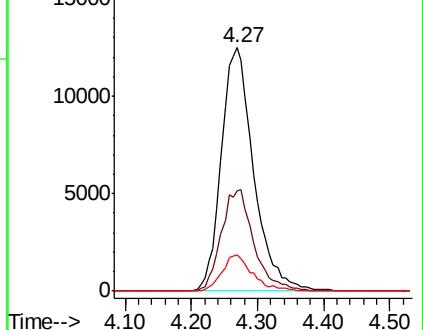
141 13.9 11.6 17.4

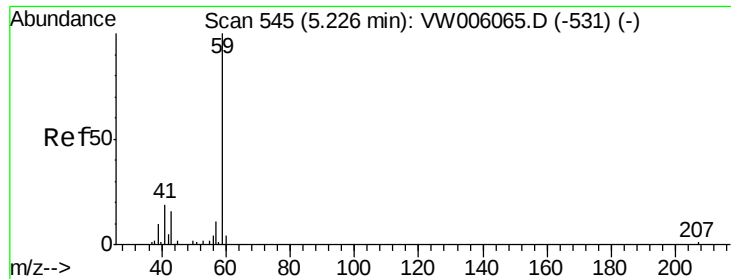


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

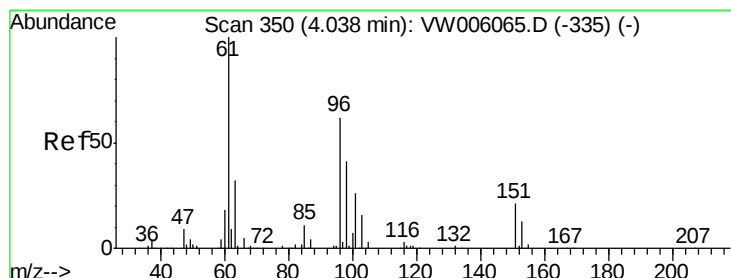
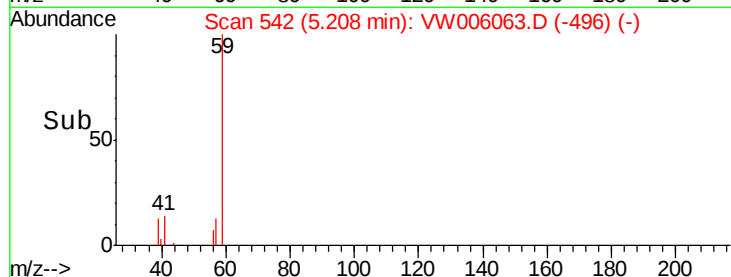
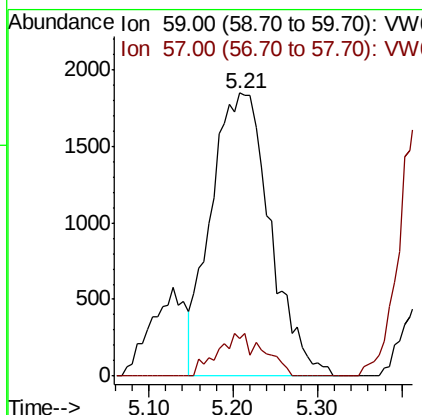
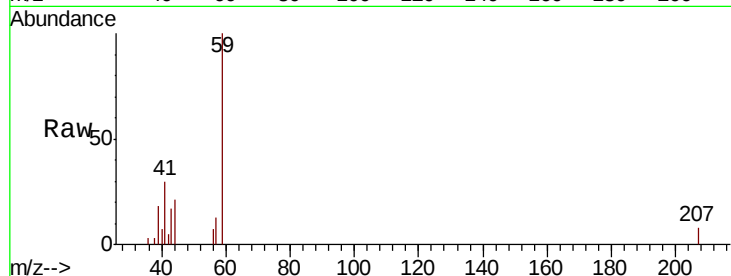




#11
Tert butyl alcohol
Concen: 45.175 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.02 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

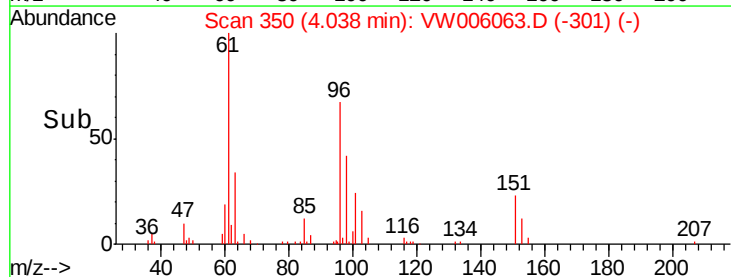
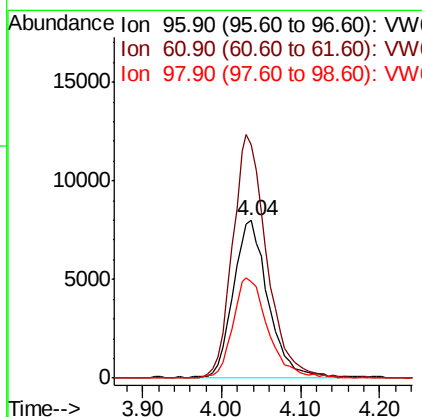
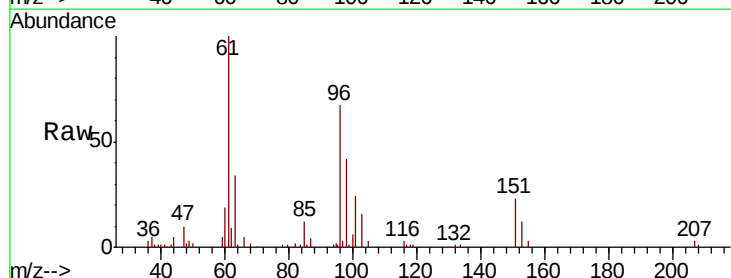
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

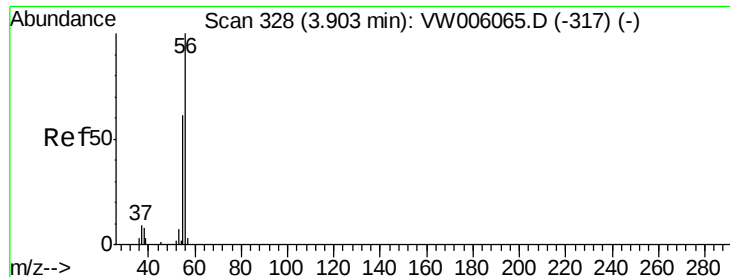
Tgt Ion: 59 Resp: 8871
Ion Ratio Lower Upper
59 100
57 11.9 8.7 13.1



#12
1,1-Dichloroethene
Concen: 9.892 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 96 Resp: 24602
Ion Ratio Lower Upper
96 100
61 148.5 129.3 193.9
98 61.6 53.1 79.7





#13

Acrolein

Concen: 47.217 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

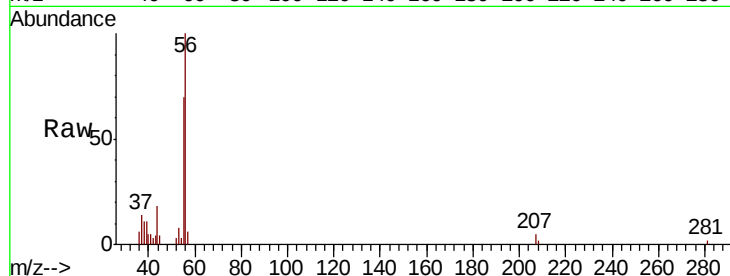
VSTDIC010

Tgt Ion: 56 Resp: 8425

Ion Ratio Lower Upper

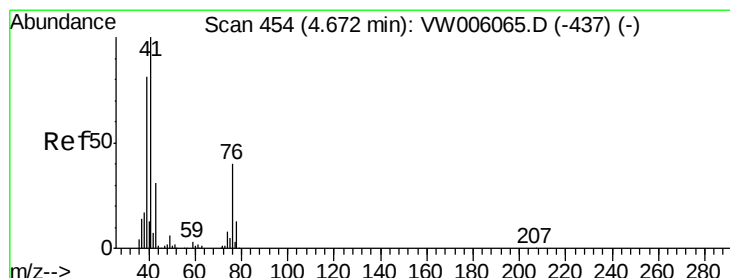
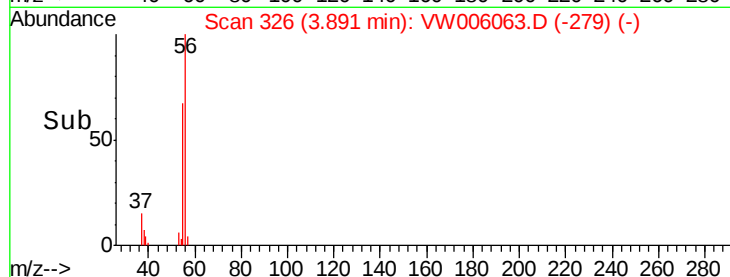
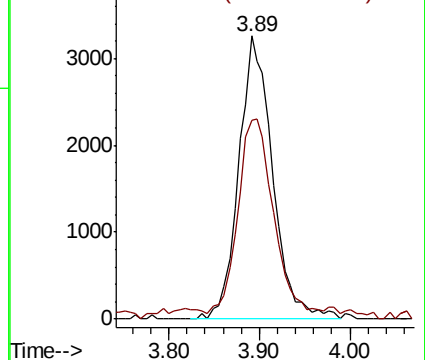
56 100

55 72.3 54.5 81.7



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 8.127 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

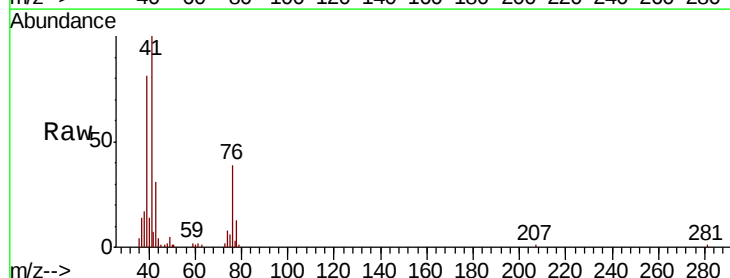
Tgt Ion: 41 Resp: 33816

Ion Ratio Lower Upper

41 100

39 81.9 64.1 96.1

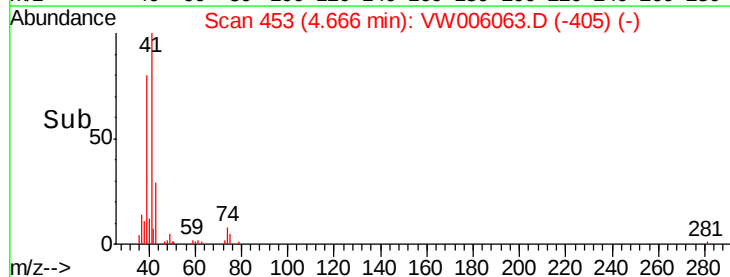
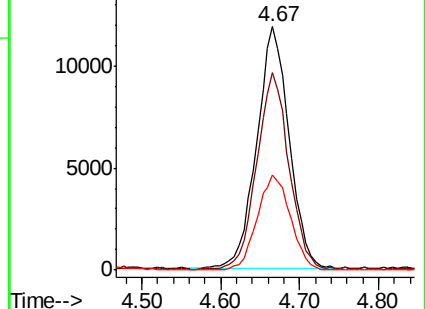
76 40.1 32.2 48.4

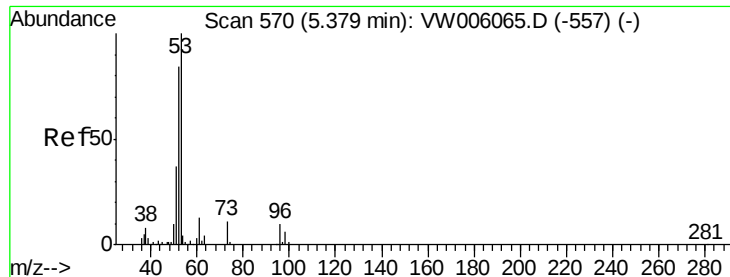


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 43.229 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

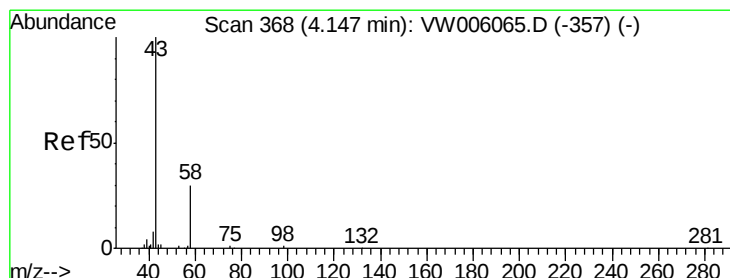
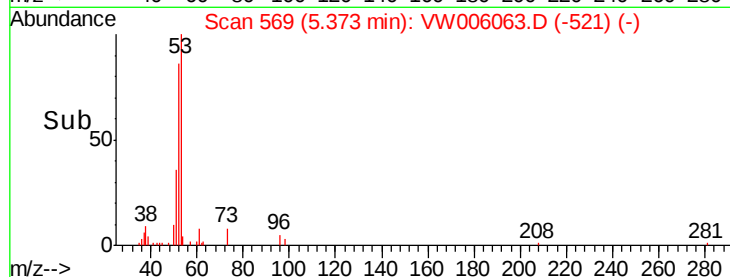
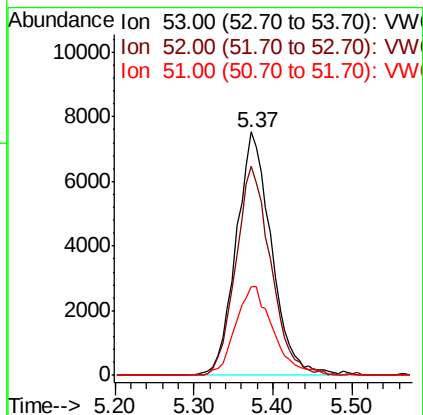
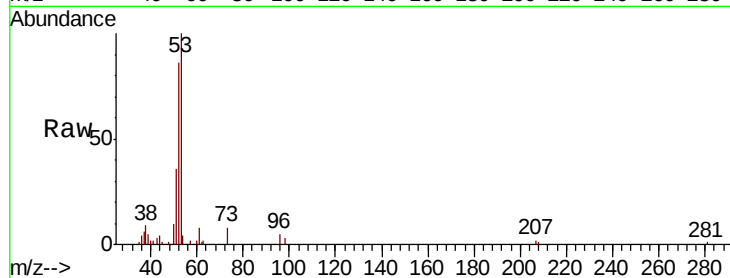
Tgt Ion: 53 Resp: 23396

Ion Ratio Lower Upper

53 100

52 85.2 66.9 100.3

51 38.9 30.1 45.1



#16

Acetone

Concen: 66.635 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006063.D

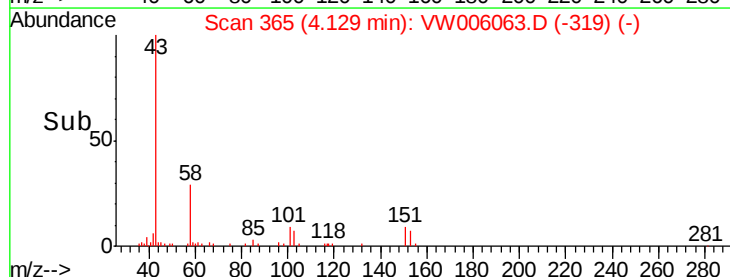
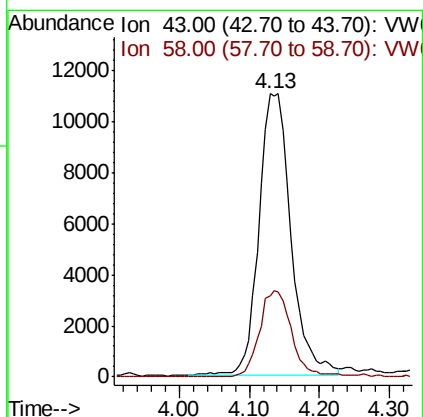
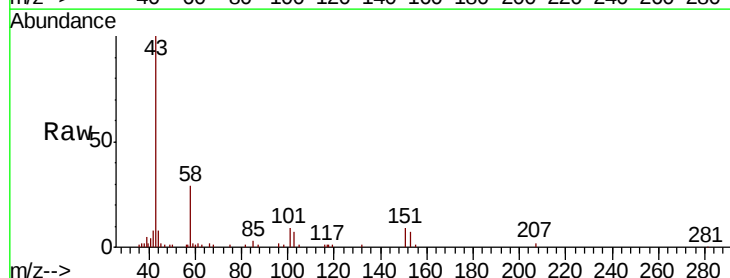
Acq: 15 Oct 2018 17:19

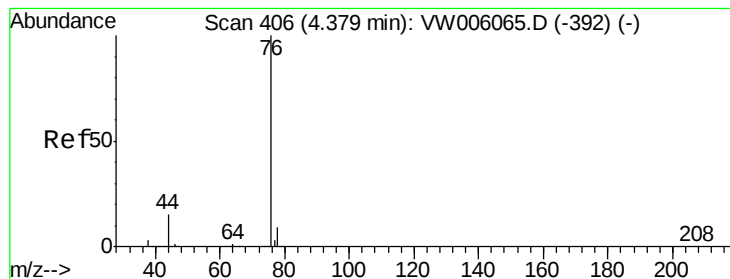
Tgt Ion: 43 Resp: 35432

Ion Ratio Lower Upper

43 100

58 28.7 24.0 36.0





#17

Carbon Disulfide

Concen: 9.551 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

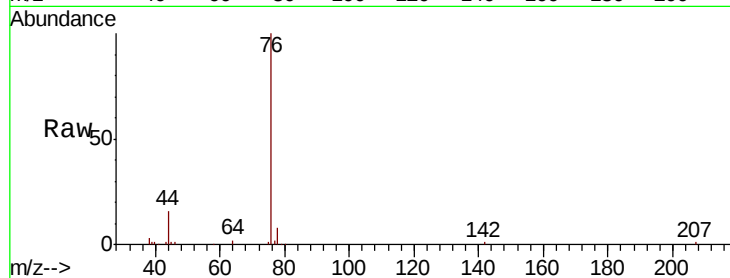
VSTDIC010

Tgt Ion: 76 Resp: 71788

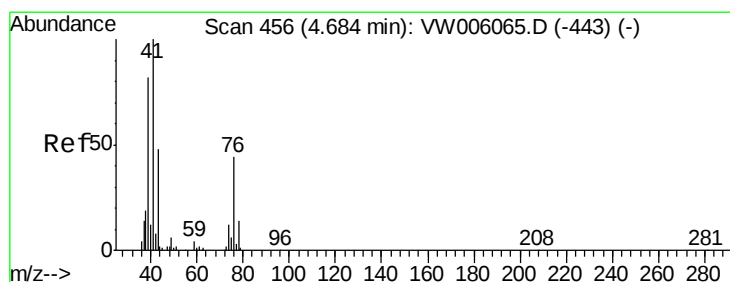
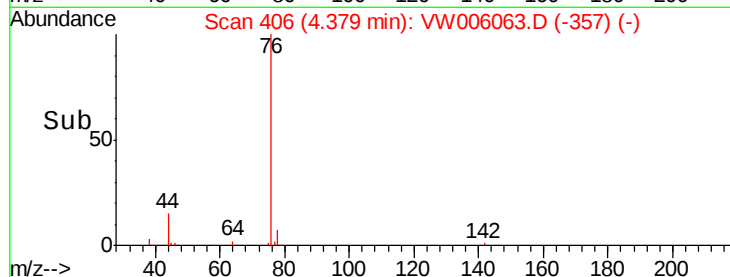
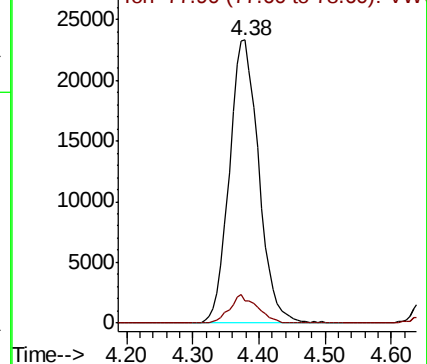
Ion Ratio Lower Upper

76 100

78 7.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 8.716 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006063.D

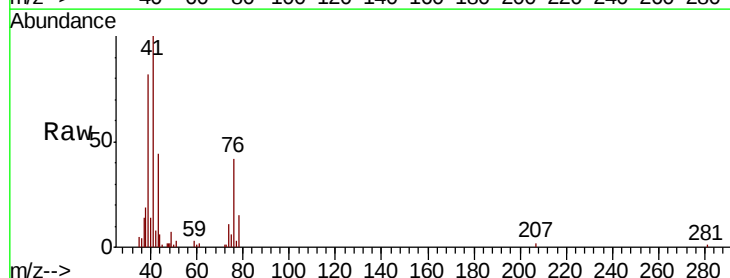
Acq: 15 Oct 2018 17:19

Tgt Ion: 43 Resp: 11873

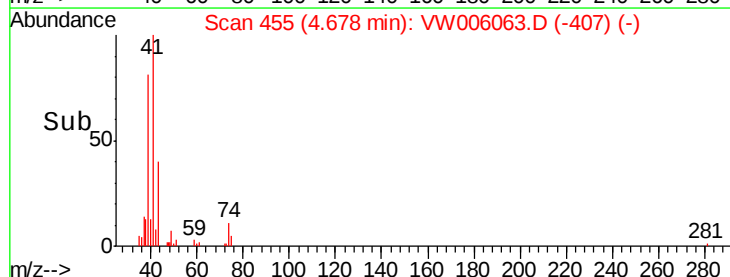
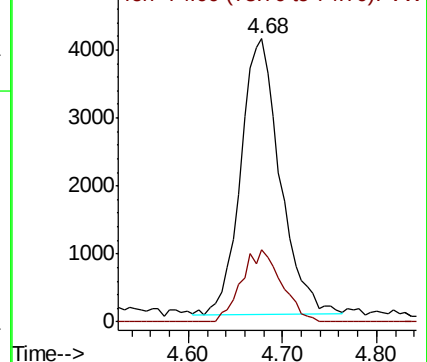
Ion Ratio Lower Upper

43 100

74 26.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

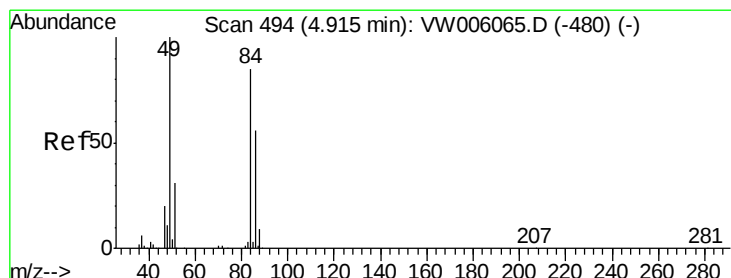
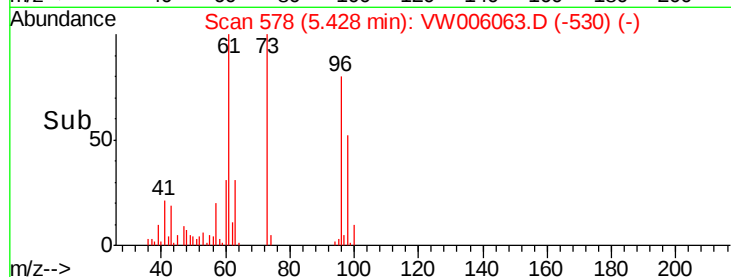
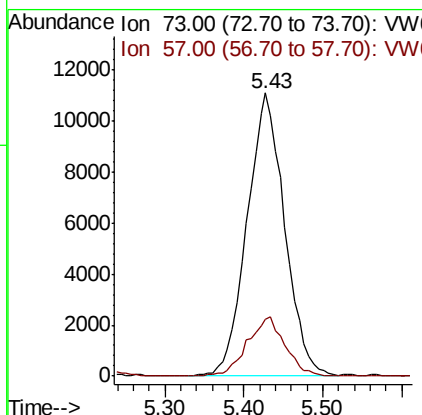
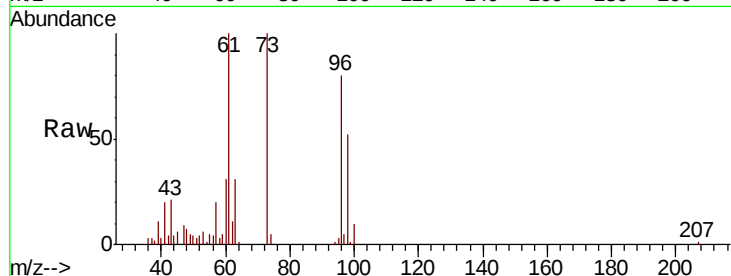




#19
Methyl tert-butyl Ether
Concen: 9.499 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

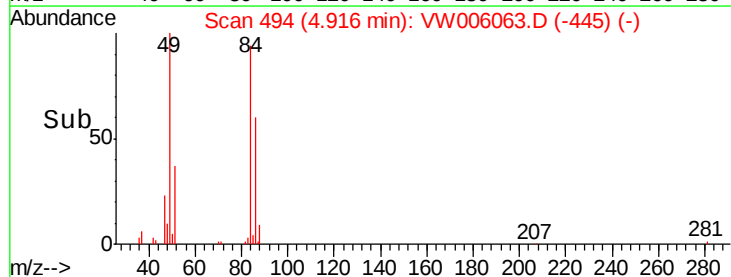
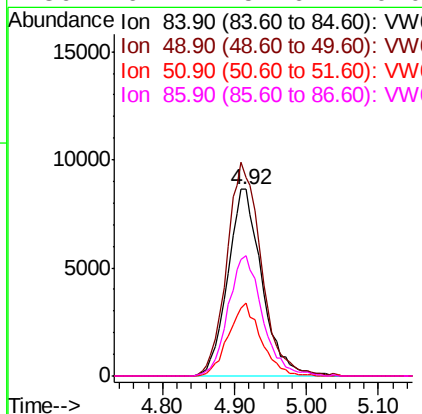
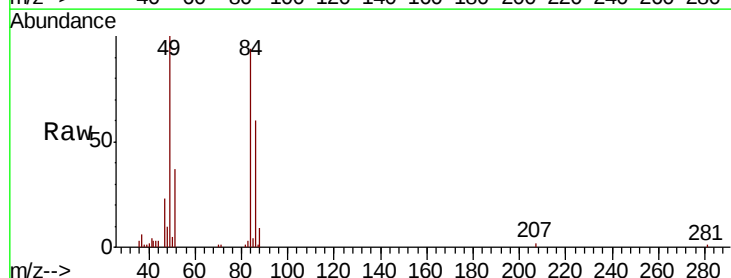
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

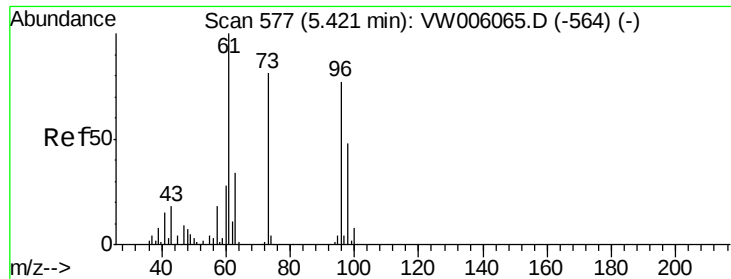
Tgt Ion: 73 Resp: 36711
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.2



#20
Methylene Chloride
Concen: 10.335 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 84 Resp: 28519
Ion Ratio Lower Upper
84 100
49 106.3 93.6 140.4
51 39.3 29.0 43.4
86 64.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 10.110 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

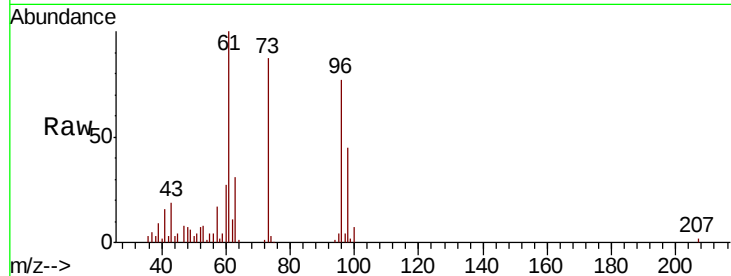
Tgt Ion: 96 Resp: 27487

Ion Ratio Lower Upper

96 100

61 129.1 104.5 156.7

98 58.4 50.6 75.8

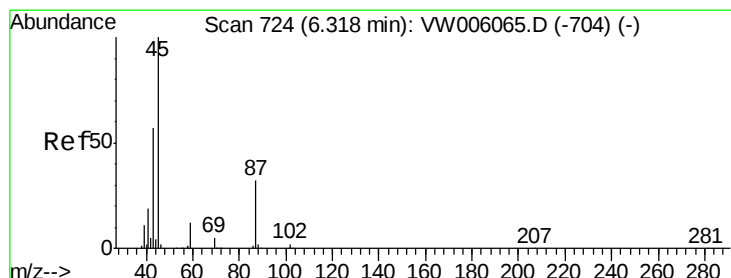
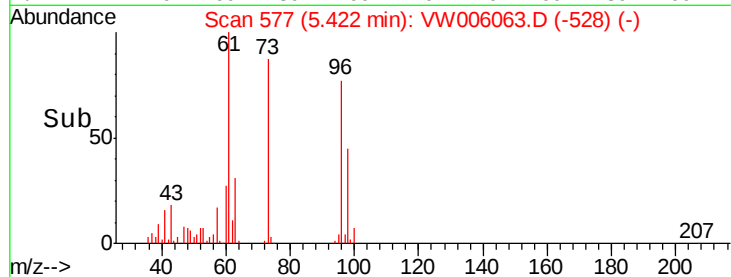
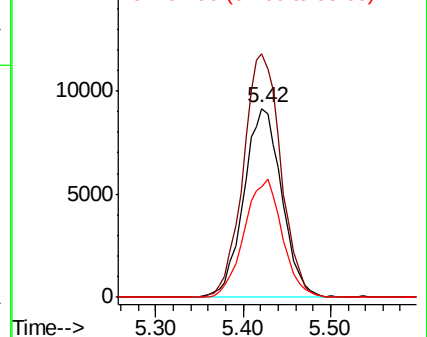


Abundance

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: 8.494 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Tgt Ion: 45 Resp: 66463

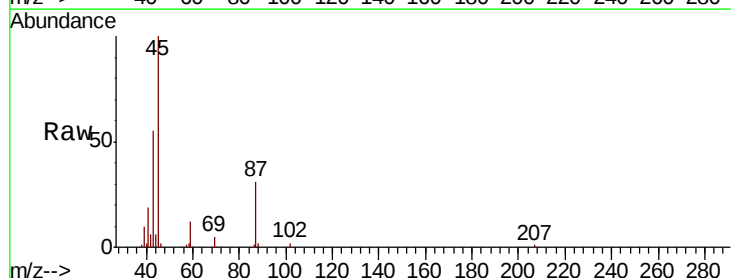
Ion Ratio Lower Upper

45 100

43 54.1 45.7 68.5

87 31.0 25.9 38.9

59 11.7 9.6 14.4



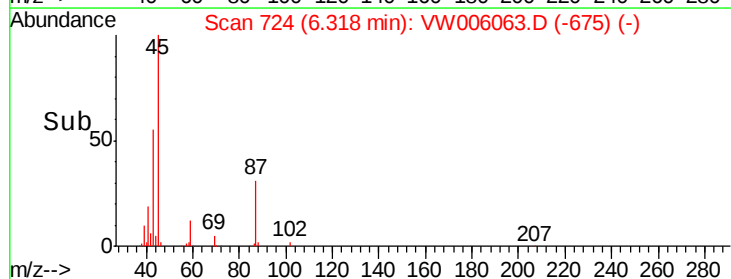
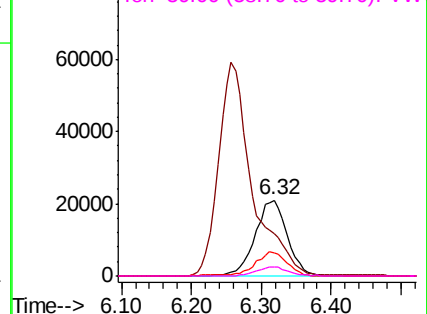
Abundance

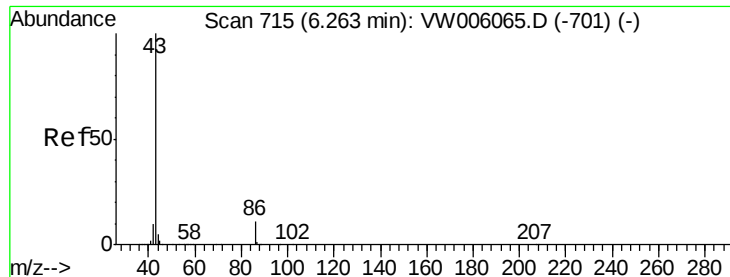
Ion 45.00 (44.70 to 45.70): VW

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

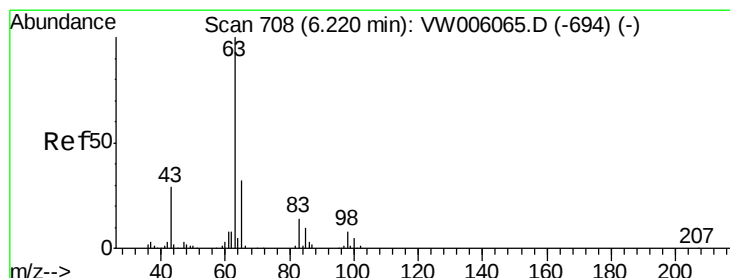
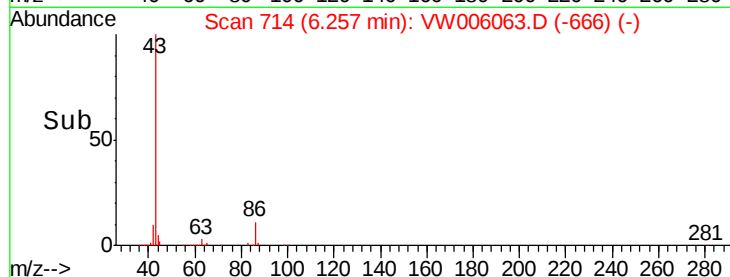
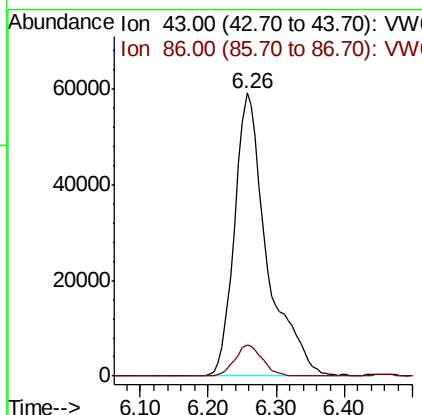
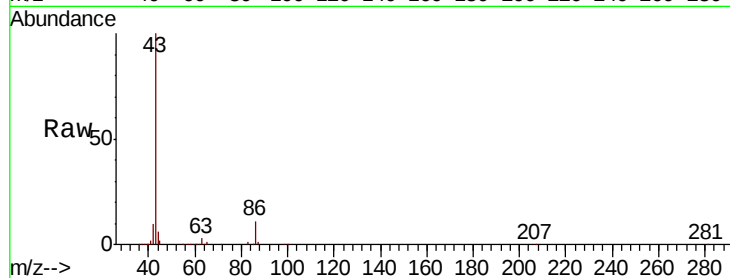




#23
 Vinyl Acetate
 Concen: 41.135 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

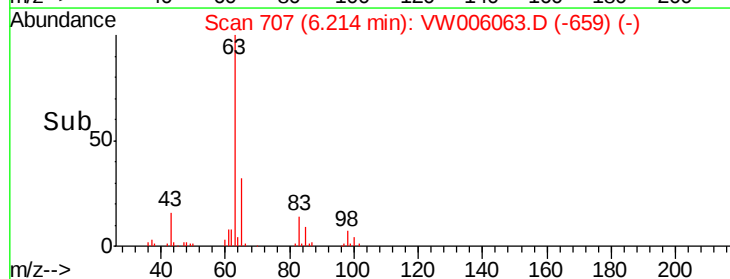
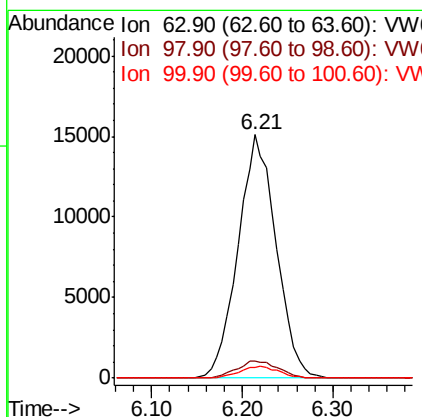
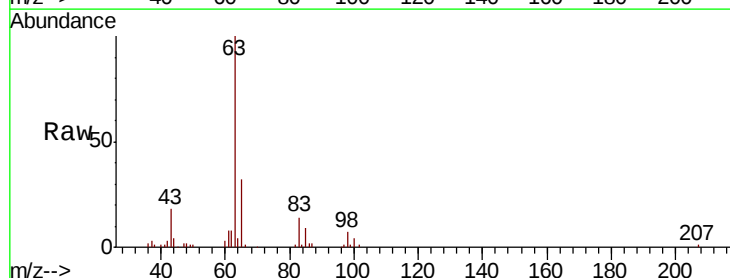
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

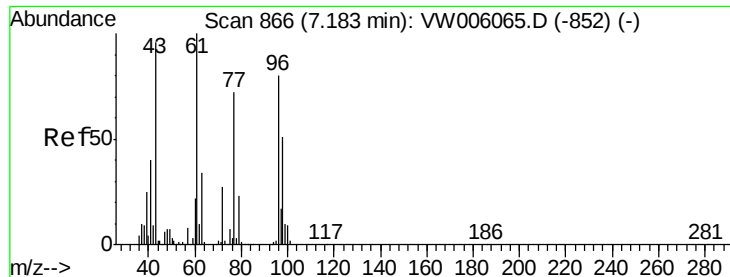
Tgt Ion: 43 Resp: 196570
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 9.087 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Tgt Ion: 63 Resp: 43854
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.8 11.2
 100 4.2 2.5 7.5





#25

2-Butanone

Concen: 47.071 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampled :

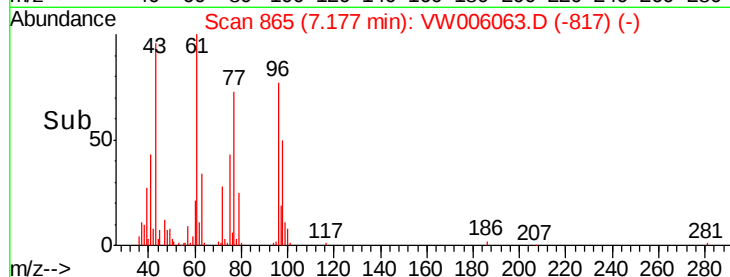
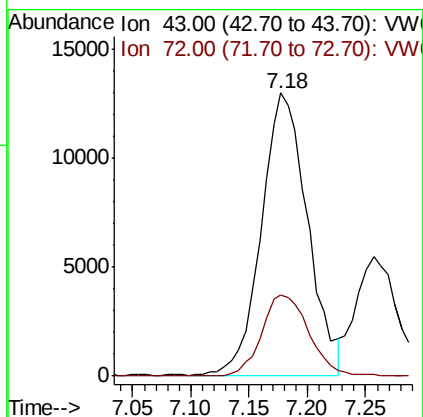
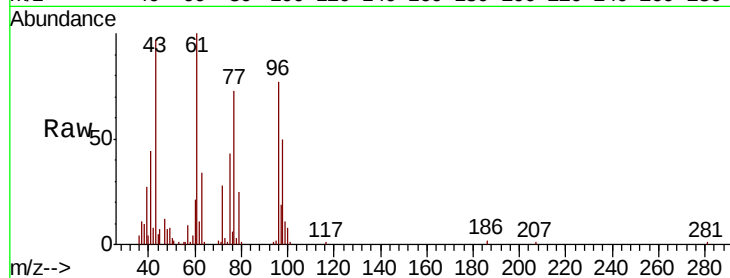
VSTDIC010

Tgt Ion: 43 Resp: 35808

Ion Ratio Lower Upper

43 100

72 28.8 22.8 34.2



#26

2,2-Dichloropropane

Concen: 9.887 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006063.D

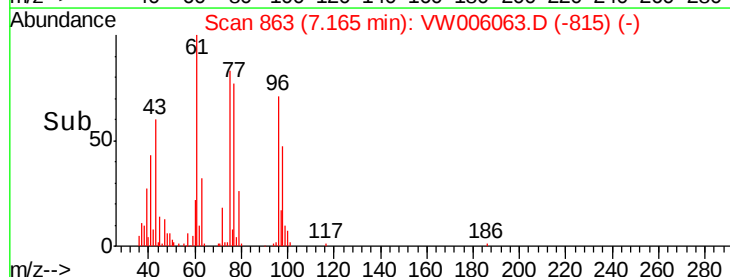
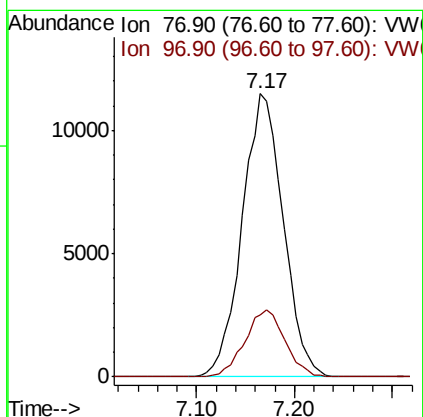
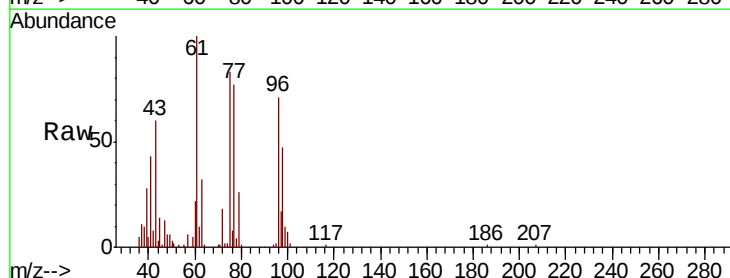
Acq: 15 Oct 2018 17:19

Tgt Ion: 77 Resp: 33376

Ion Ratio Lower Upper

77 100

97 23.1 12.2 36.4



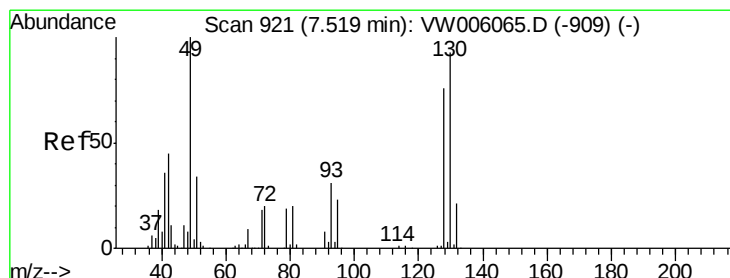
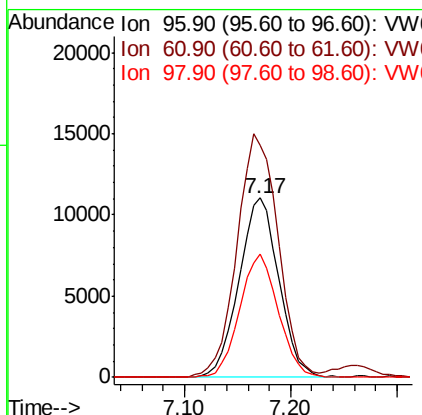
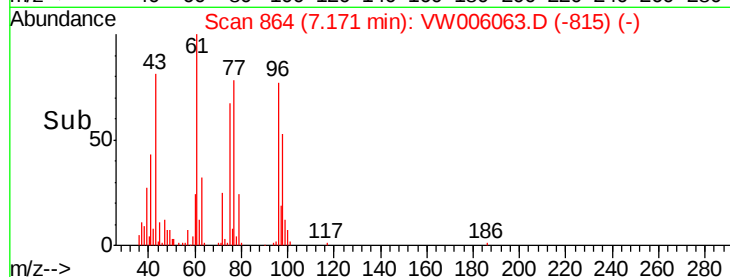
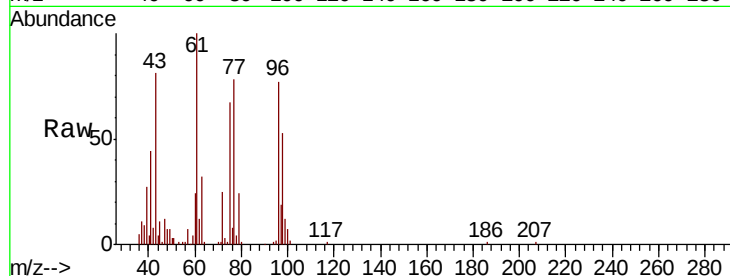


#27

cis-1,2-Dichloroethene
Concen: 9.463 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

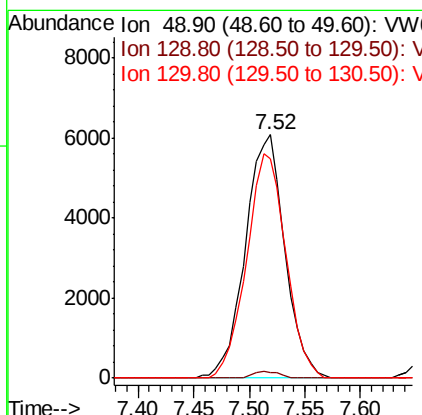
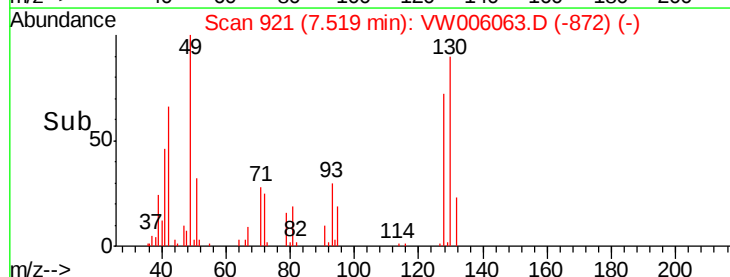
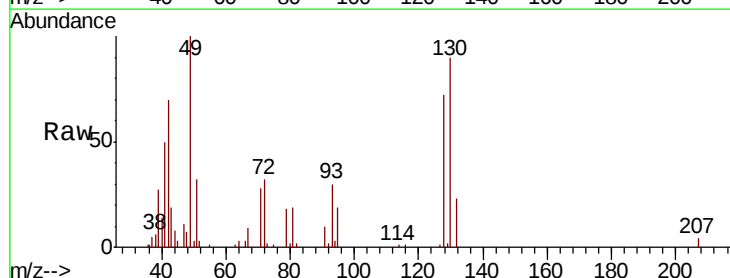
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	267.2
98	66.5	0.0	128.6



#28

Bromochloromethane
Concen: 8.241 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.0
130	91.2	73.8	110.8





#29

Tetrahydrofuran

Concen: 40.691 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

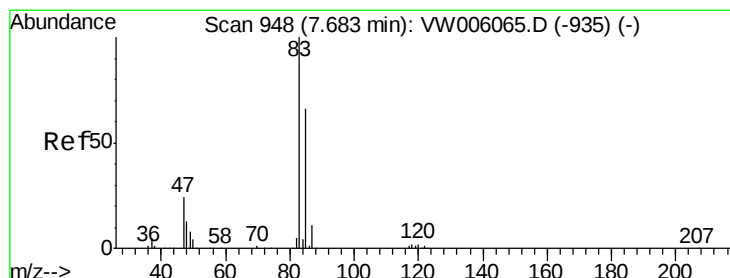
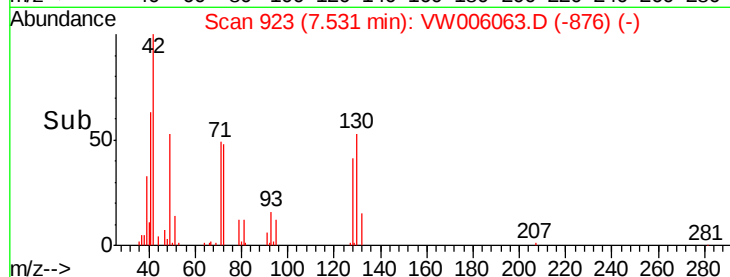
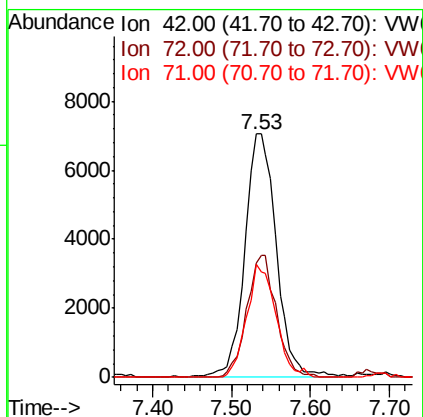
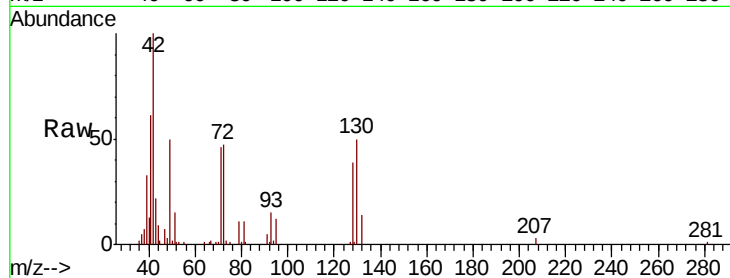
Tgt Ion: 42 Resp: 19582

Ion Ratio Lower Upper

42 100

72 47.0 38.0 57.0

71 42.9 35.3 52.9



#30

Chloroform

Concen: 9.461 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006063.D

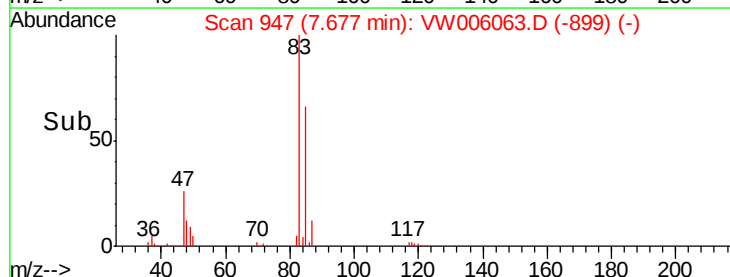
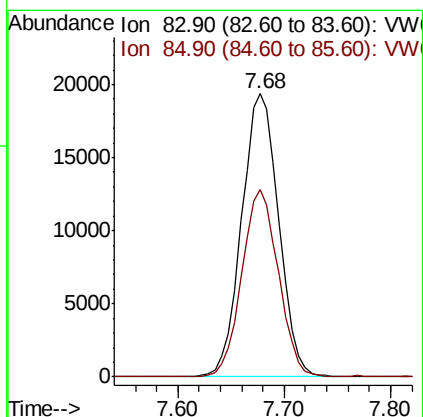
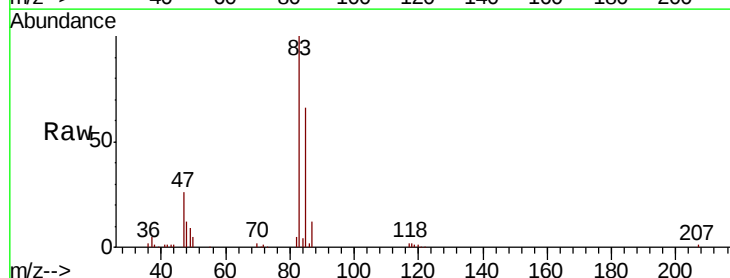
Acq: 15 Oct 2018 17:19

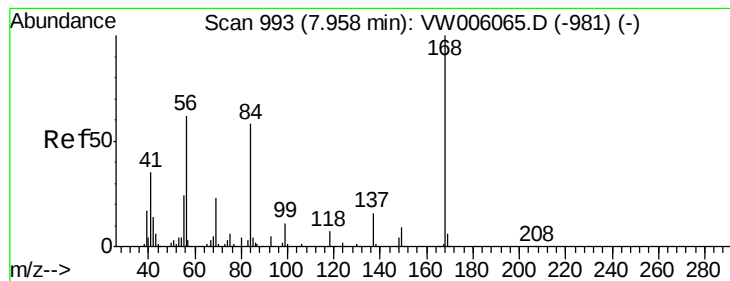
Tgt Ion: 83 Resp: 47209

Ion Ratio Lower Upper

83 100

85 66.3 52.6 79.0





#31

Cyclohexane

Concen: 9.721 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

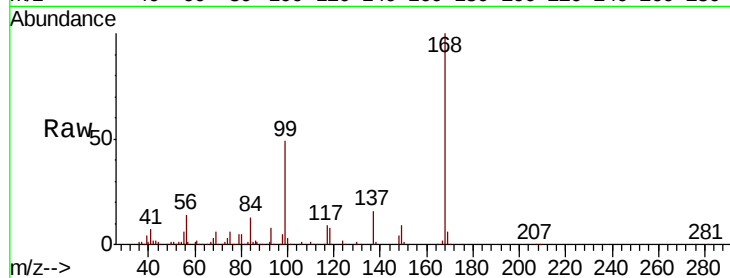
Tgt Ion: 56 Resp: 46294

Ion Ratio Lower Upper

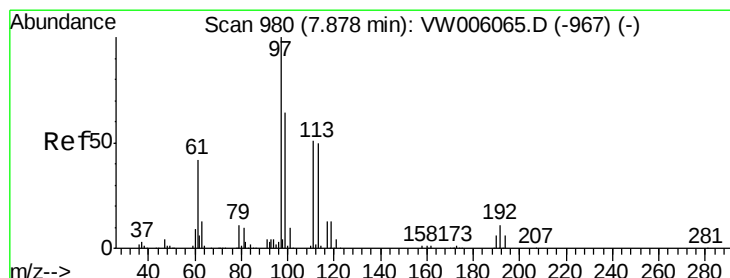
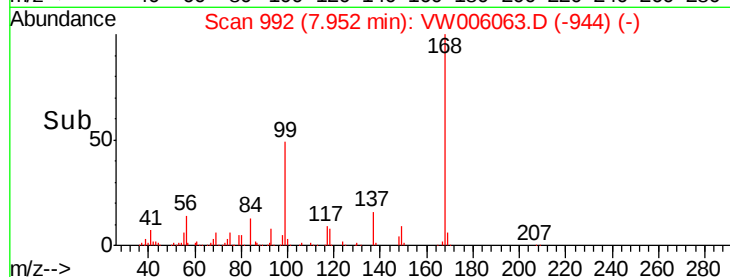
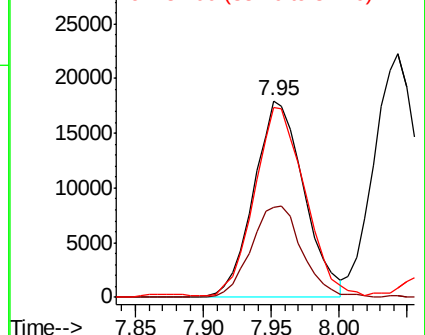
56 100

69 45.5 29.4 44.0#

84 96.0 74.0 111.0



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



#32

1,1,1-Trichloroethane

Concen: 9.666 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

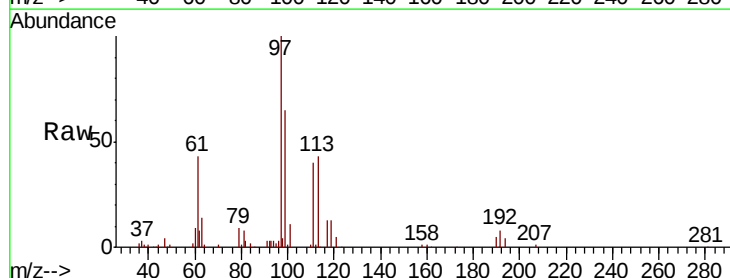
Tgt Ion: 97 Resp: 43025

Ion Ratio Lower Upper

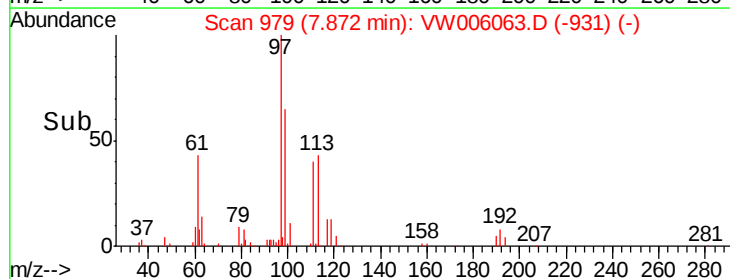
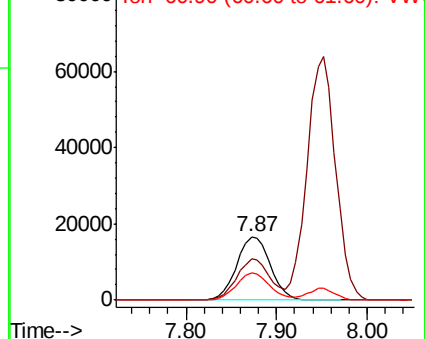
97 100

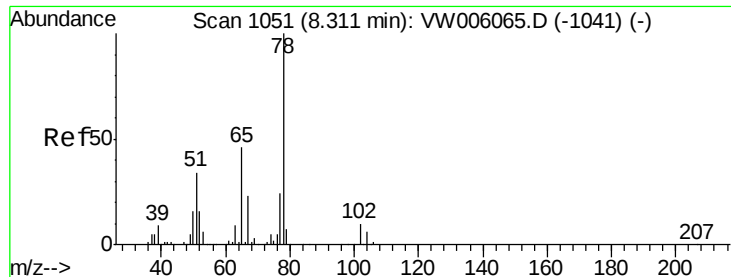
99 64.1 50.9 76.3

61 41.9 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 8.737 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

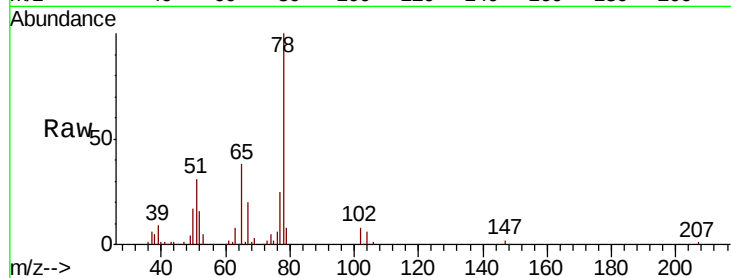
VSTDIC010

Tgt Ion: 65 Resp: 23731

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

12000

10000

8000

6000

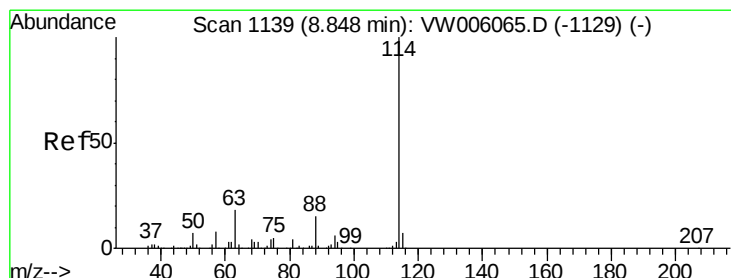
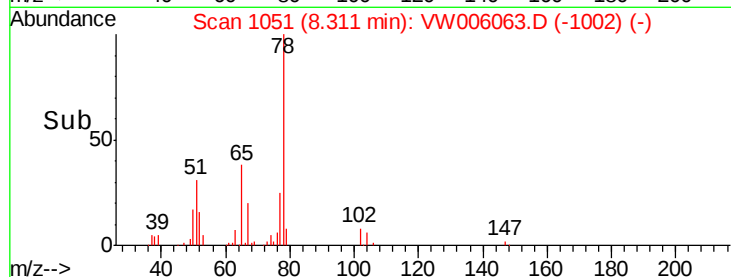
4000

2000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

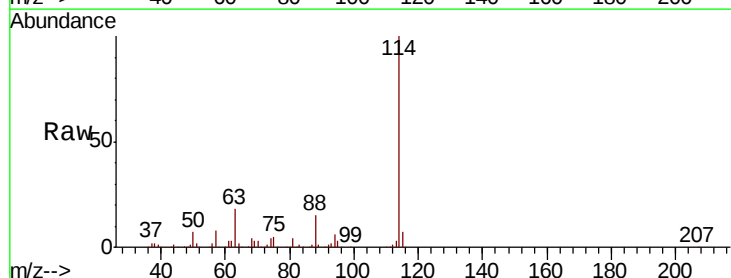
Tgt Ion: 114 Resp: 399457

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.3 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

150000

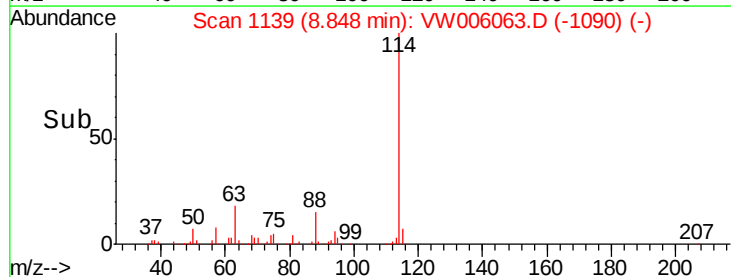
100000

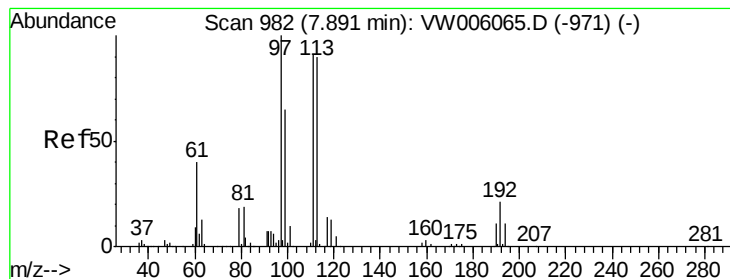
50000

0

8.70 8.80 8.90 9.00

Time-->





#35

Dibromofluoromethane

Concen: 9.792 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

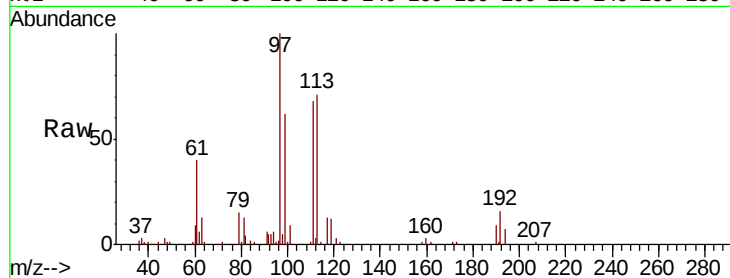
Tgt Ion: 113 Resp: 24666

Ion Ratio Lower Upper

113 100

111 99.2 81.4 122.0

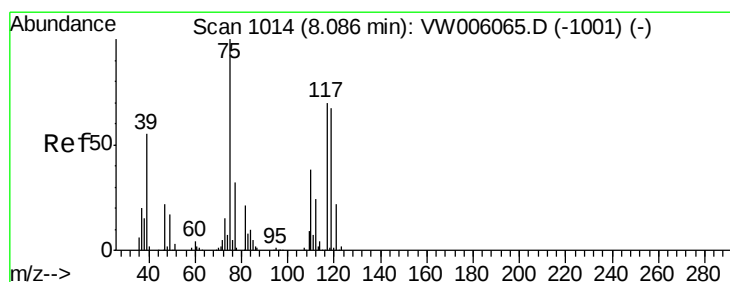
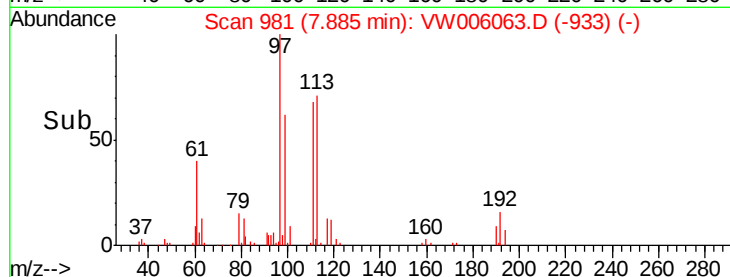
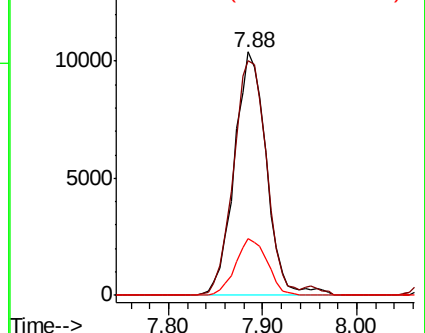
192 22.9 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 10.186 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

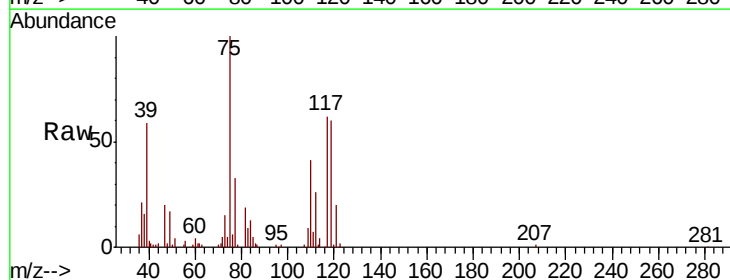
Tgt Ion: 75 Resp: 38489

Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.1

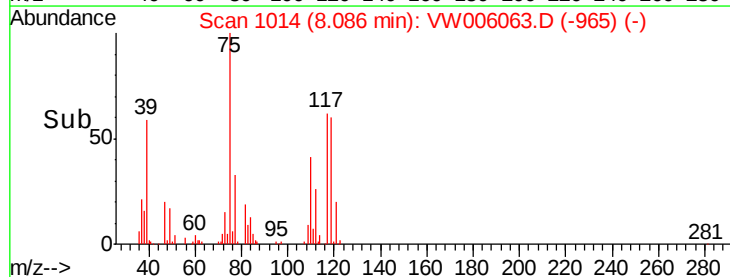
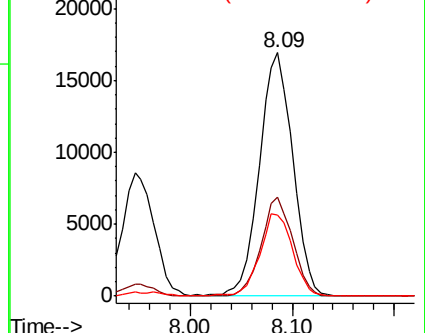
77 33.3 25.0 37.4

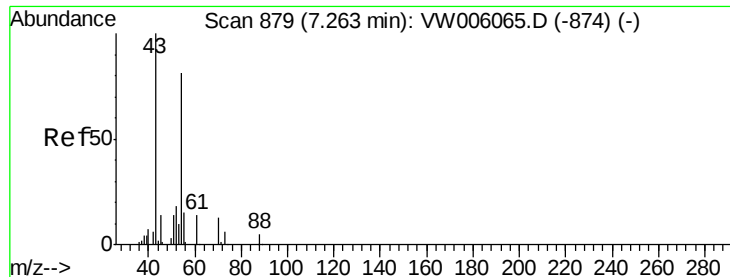


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

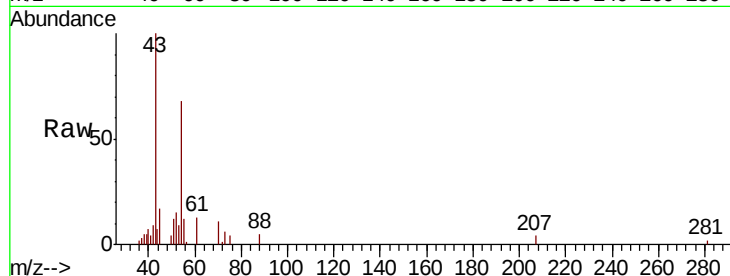




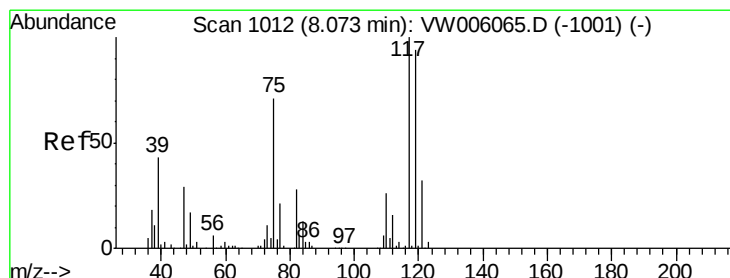
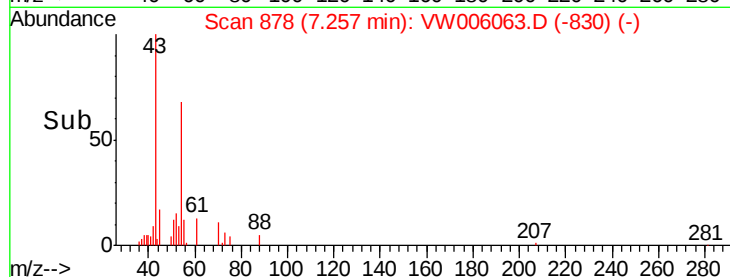
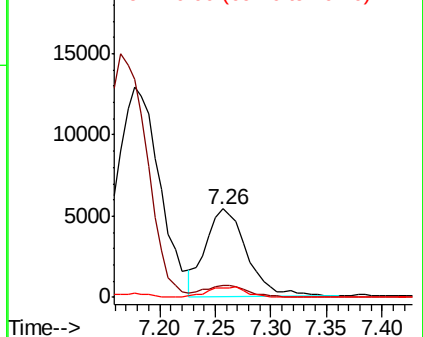
#37
Ethyl Acetate
Concen: 8.803 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 13826
Ion Ratio Lower Upper
43 100
61 14.3 11.5 17.3
70 11.8 9.2 13.8

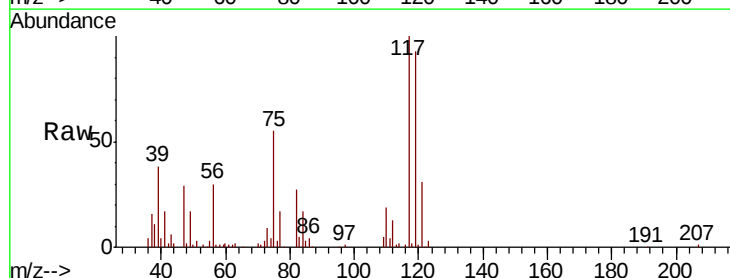


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

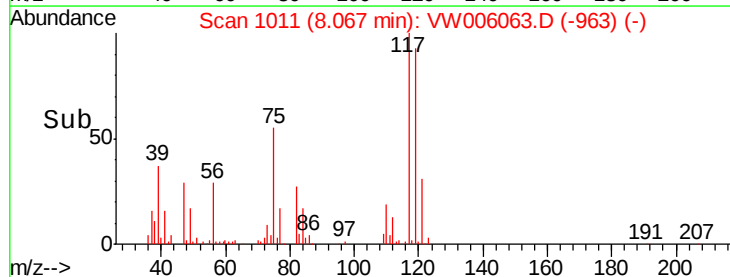
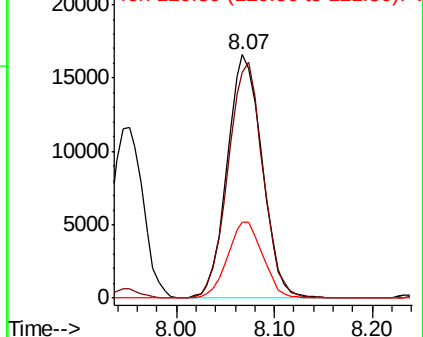


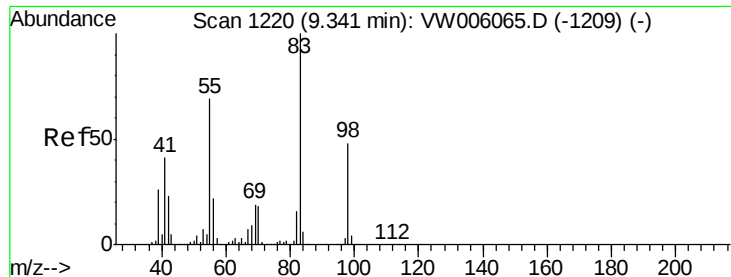
#38
Carbon Tetrachloride
Concen: 10.118 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 117 Resp: 41208
Ion Ratio Lower Upper
117 100
119 92.9 75.2 112.8
121 31.0 25.3 37.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

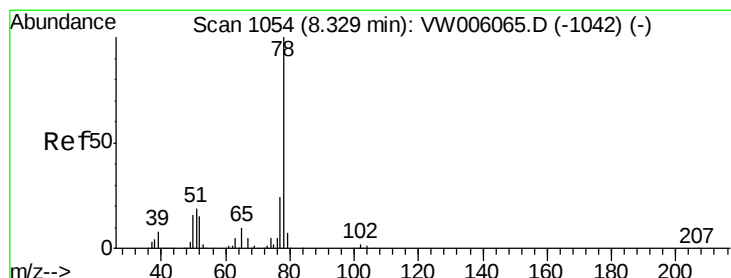
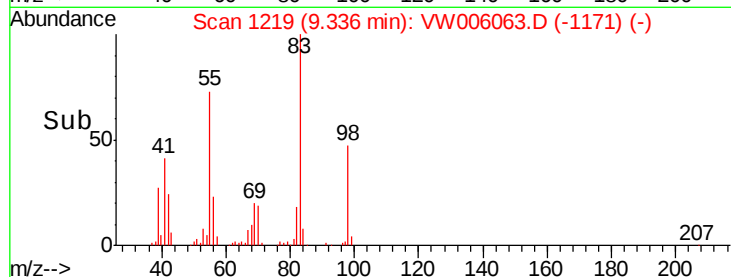
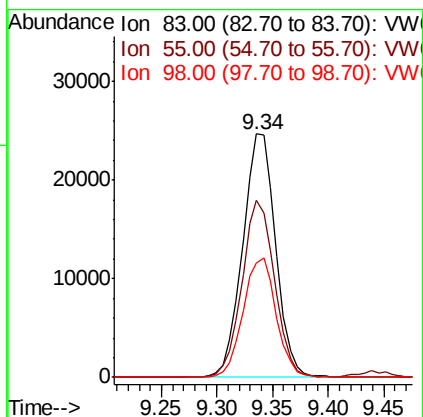
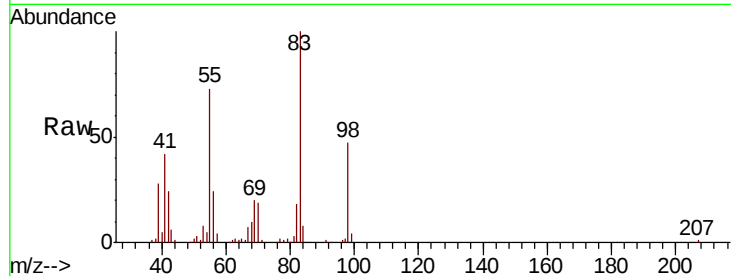




#39
Methylcyclohexane
Concen: 10.214 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

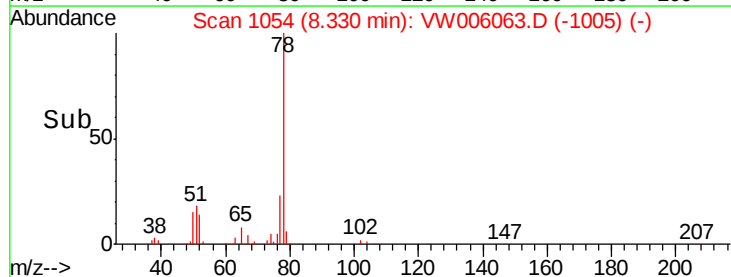
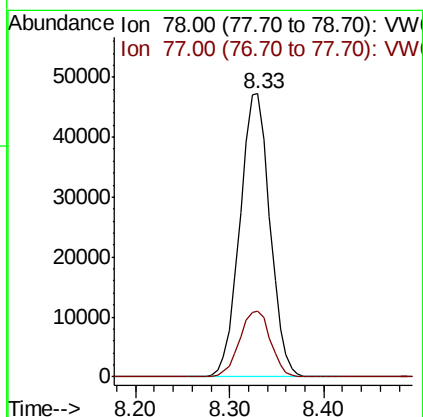
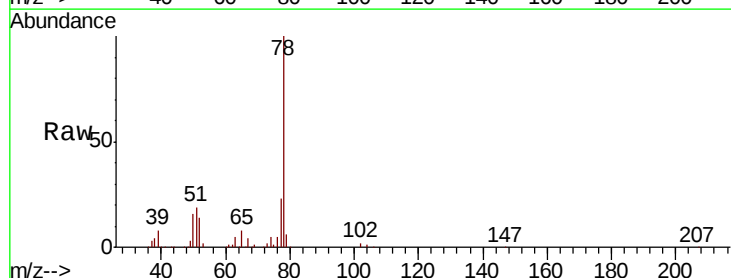
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

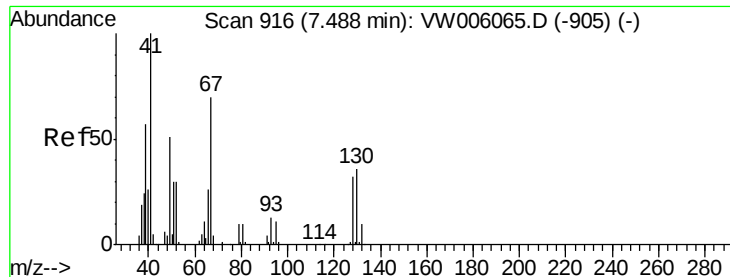
Tgt Ion: 83 Resp: 50829
Ion Ratio Lower Upper
83 100
55 72.6 55.0 82.6
98 47.0 38.6 57.8



#40
Benzene
Concen: 10.121 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 78 Resp: 104715
Ion Ratio Lower Upper
78 100
77 23.0 19.4 29.0

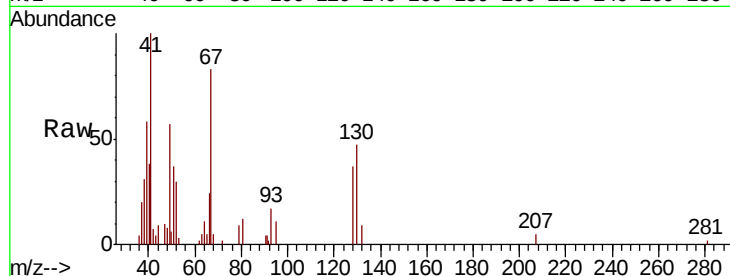




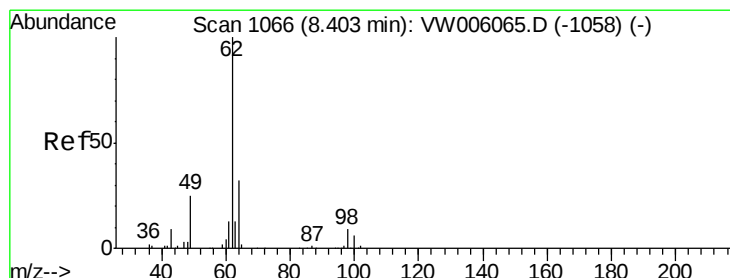
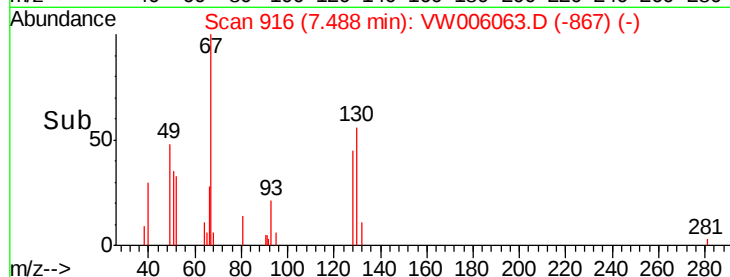
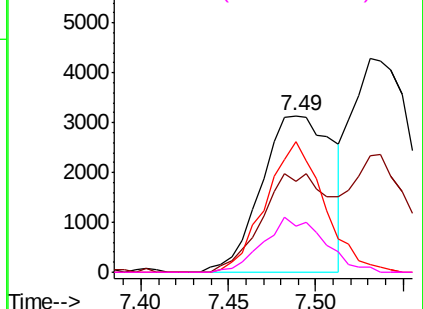
#41
Methacrylonitrile
Concen: 8.985 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	8901
Ion	Ratio	Lower	Upper
41	100		
39	54.3	46.2	69.4
67	68.8	57.7	86.5
52	29.7	24.7	37.1

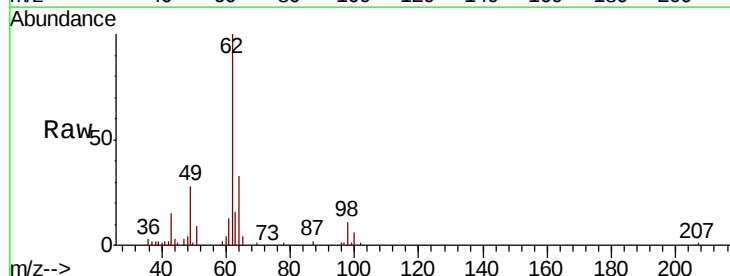


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

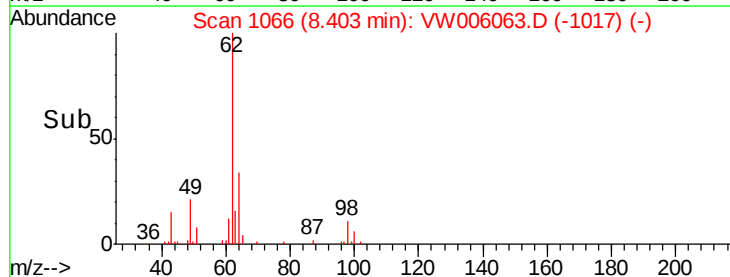
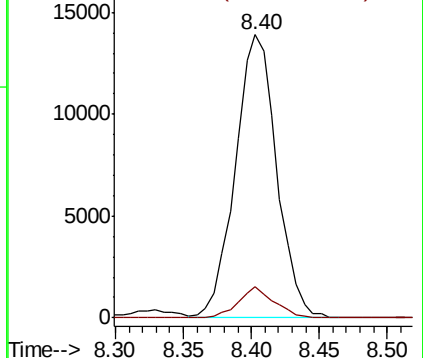


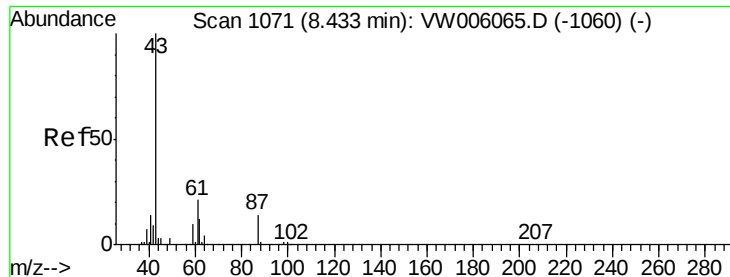
#42
1,2-Dichloroethane
Concen: 9.449 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion:	62	Resp:	29524
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 8.466 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

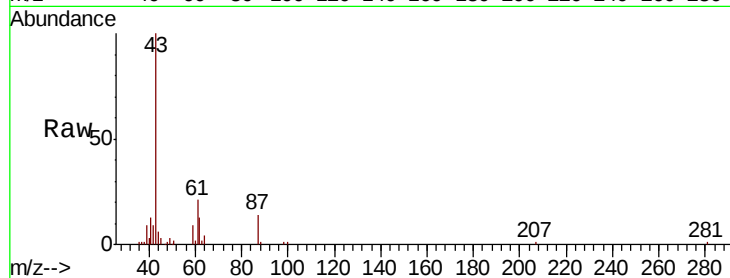
Tgt Ion: 43 Resp: 27694

Ion Ratio Lower Upper

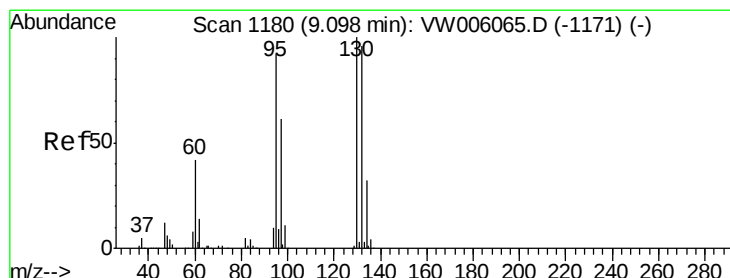
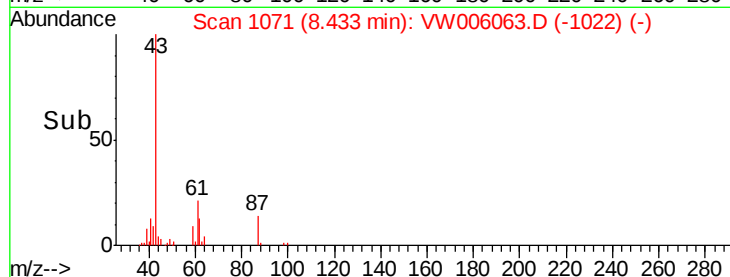
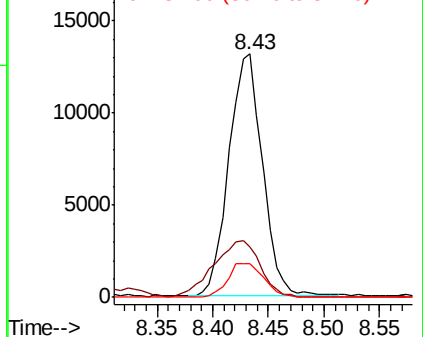
43 100

61 32.2 25.5 38.3

87 14.9 11.7 17.5



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: 10.614 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006063.D

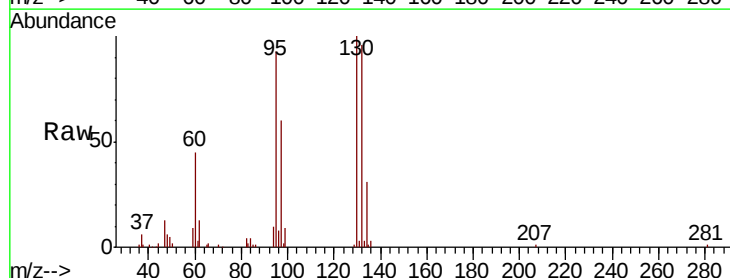
Acq: 15 Oct 2018 17:19

Tgt Ion: 130 Resp: 32058

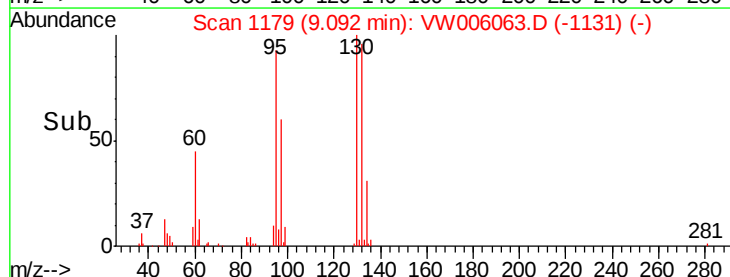
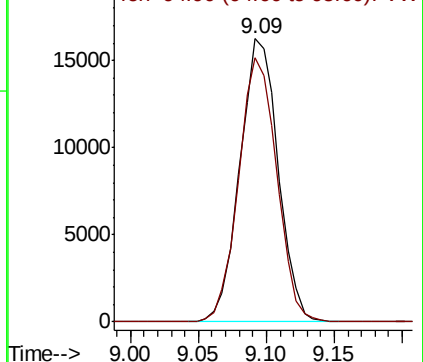
Ion Ratio Lower Upper

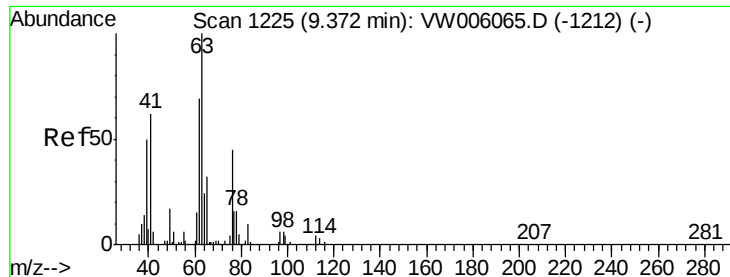
130 100

95 93.4 0.0 183.2



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

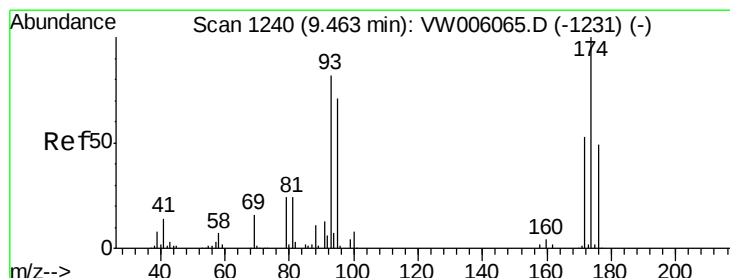
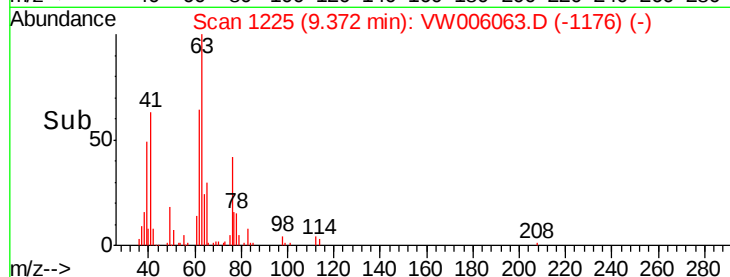
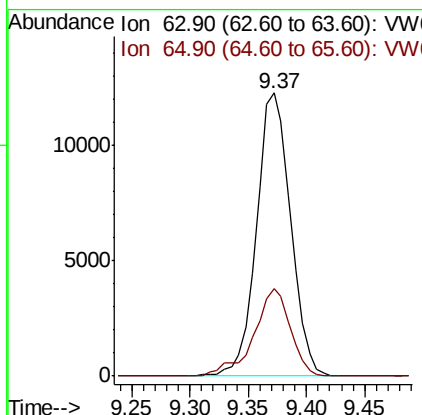
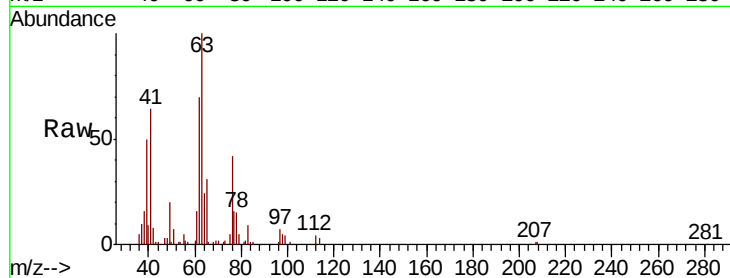




#45
1,2-Dichloropropane
Concen: 9.636 ug/l
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

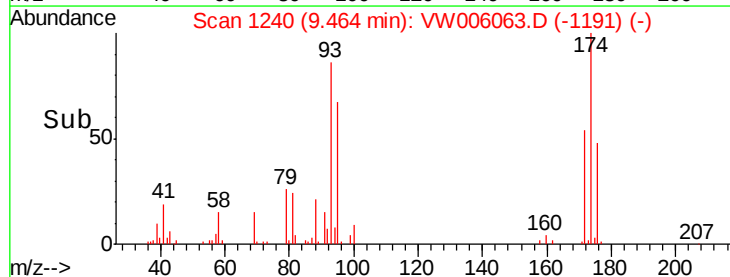
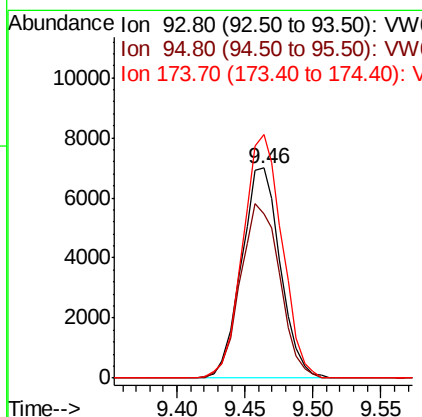
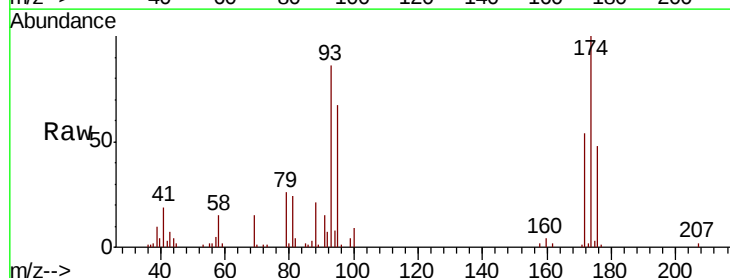
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 63 Resp: 24841
Ion Ratio Lower Upper
63 100
65 30.7 25.4 38.0



#46
Dibromomethane
Concen: 9.814 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 93 Resp: 13991
Ion Ratio Lower Upper
93 100
95 84.1 67.7 101.5
174 116.7 93.7 140.5





#47

Bromodichloromethane

Concen: 9.244 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

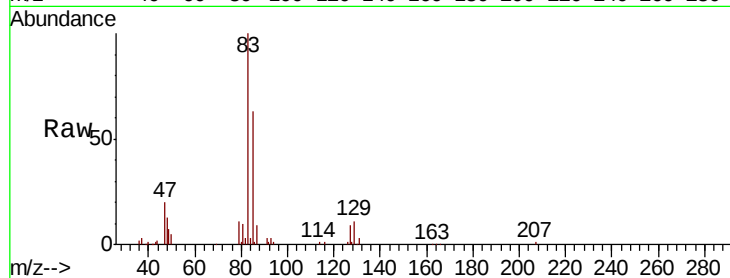
Tgt Ion: 83 Resp: 33040

Ion Ratio Lower Upper

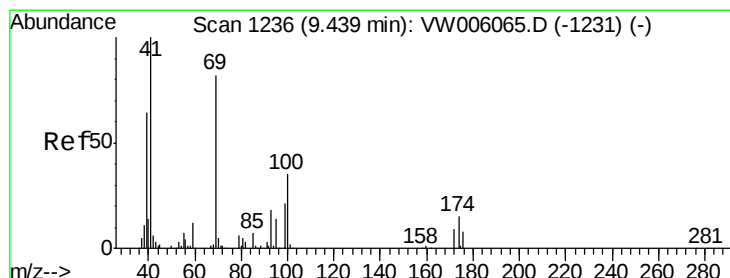
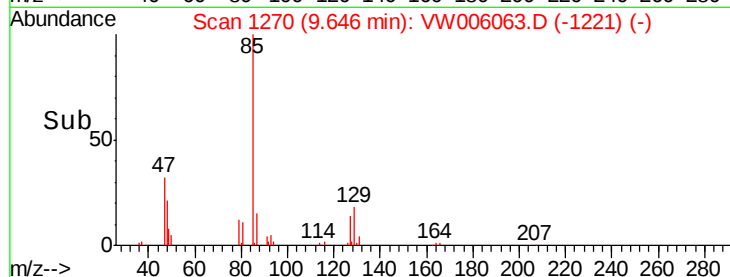
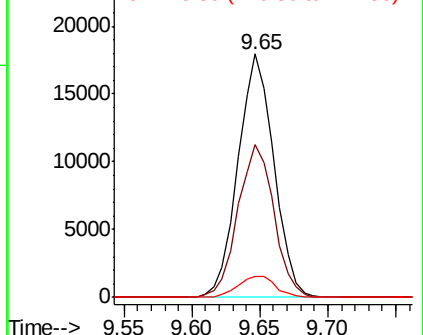
83 100

85 62.5 51.8 77.8

127 8.6 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: 8.354 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

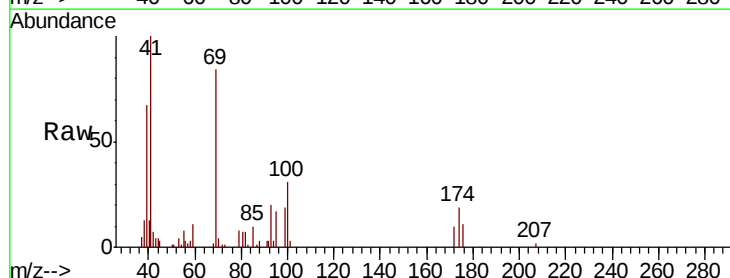
Tgt Ion: 41 Resp: 13053

Ion Ratio Lower Upper

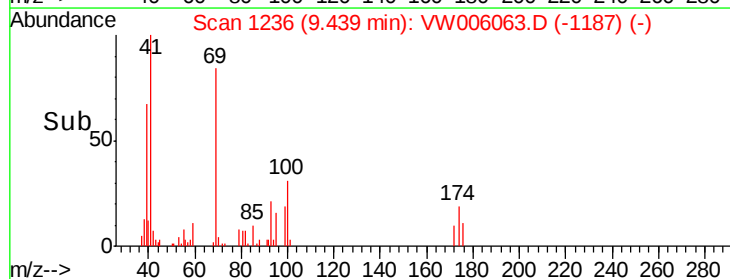
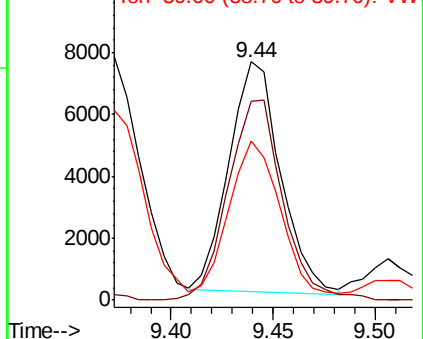
41 100

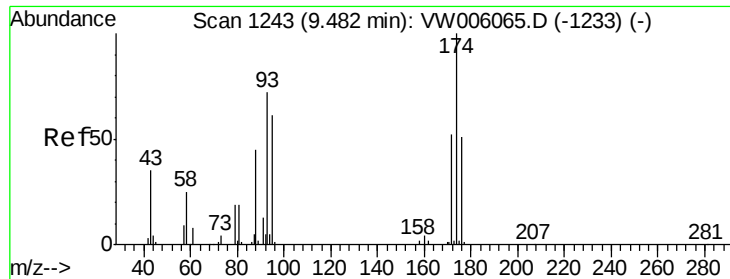
69 92.2 71.8 107.8

39 64.7 52.5 78.7



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

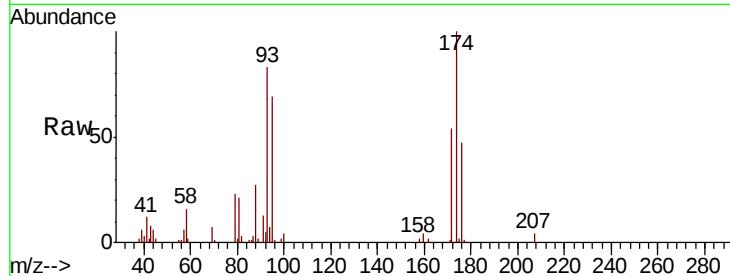




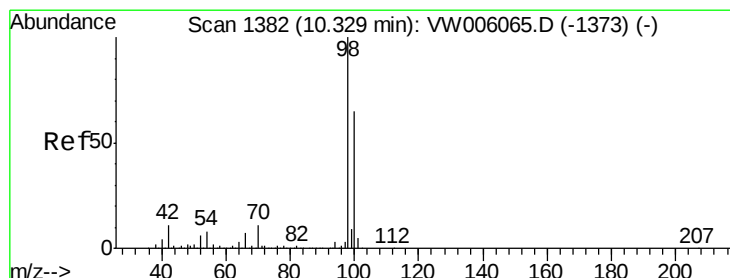
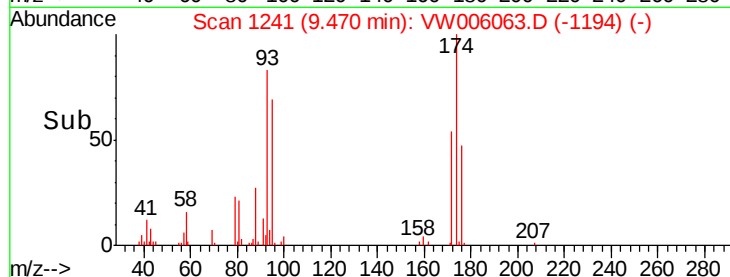
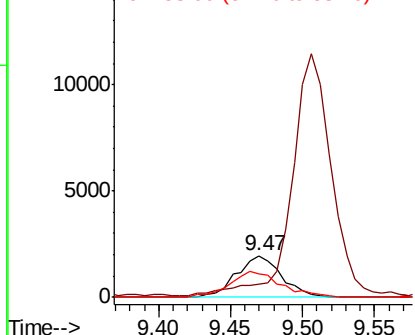
#49
1,4-Dioxane
Concen: 195.303 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 88 Resp: 4251
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 71.8 51.2 76.8

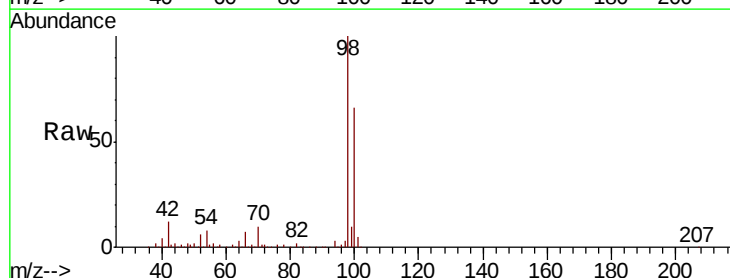


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

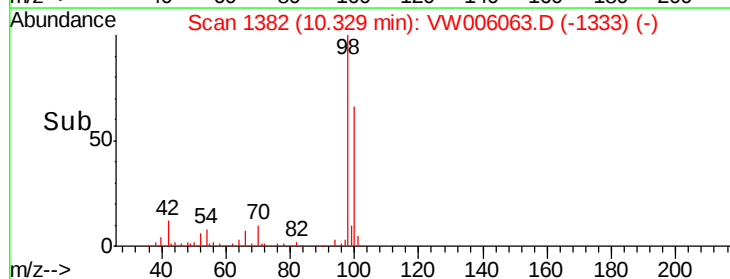
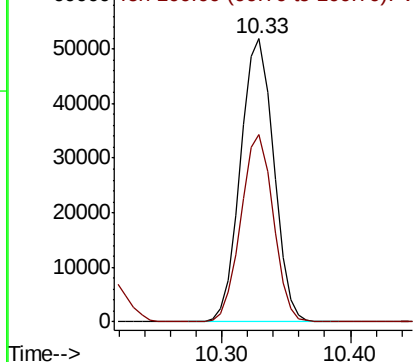


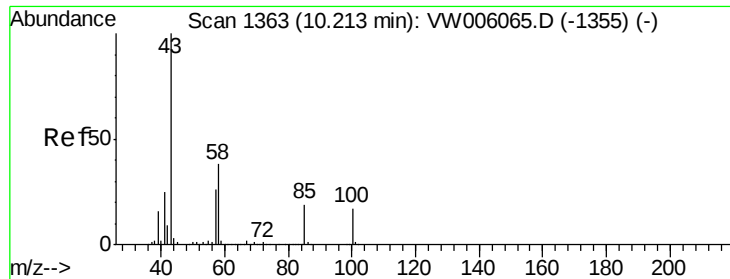
#50
Toluene-d8
Concen: 9.575 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 98 Resp: 92484
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

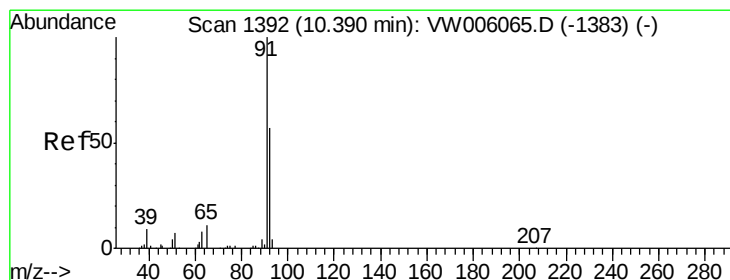
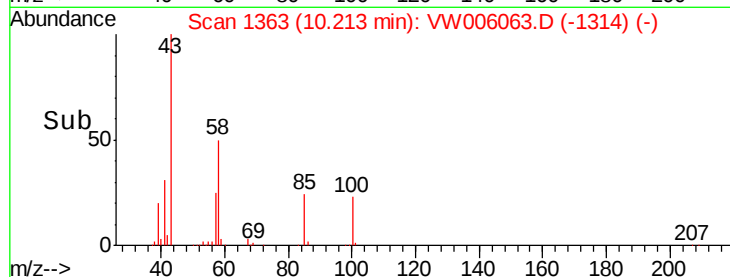
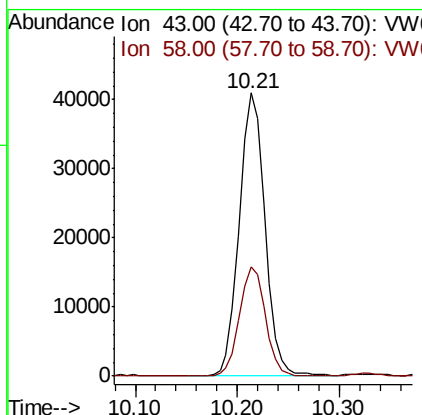
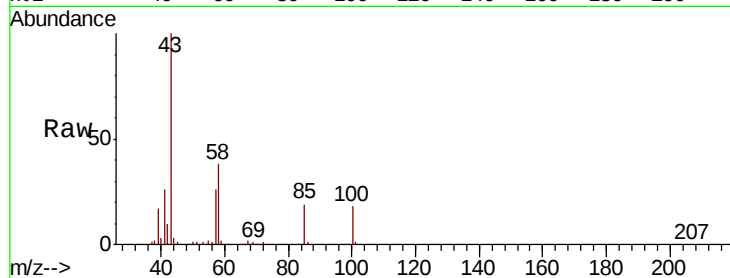




#51
 4-Methyl-2-Pentanone
 Concen: 44.910 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

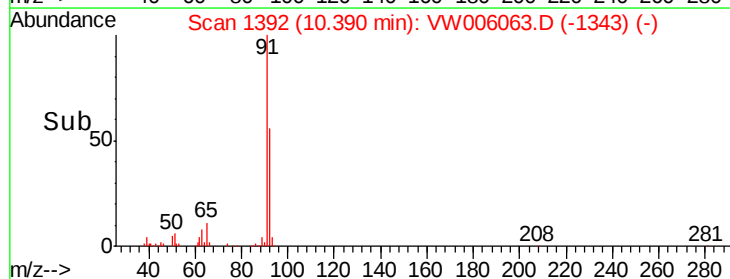
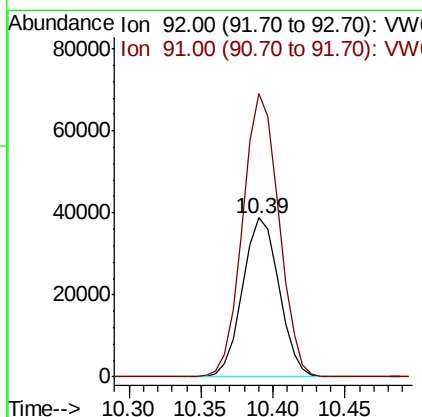
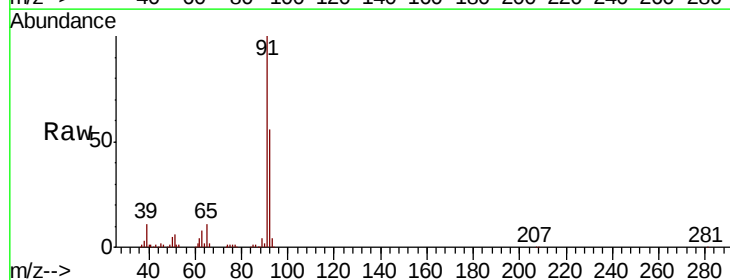
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

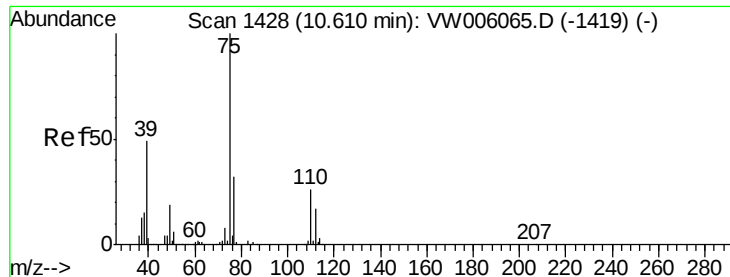
Tgt Ion: 43 Resp: 71870
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.5 47.3



#52
 Toluene
 Concen: 10.016 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Tgt Ion: 92 Resp: 68344
 Ion Ratio Lower Upper
 92 100
 91 176.1 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 8.659 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

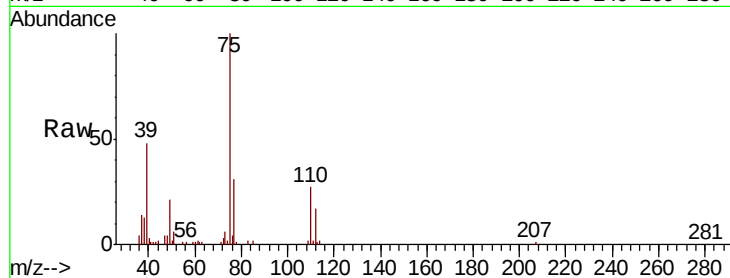
VSTDIC010

Tgt Ion: 75 Resp: 32071

Ion Ratio Lower Upper

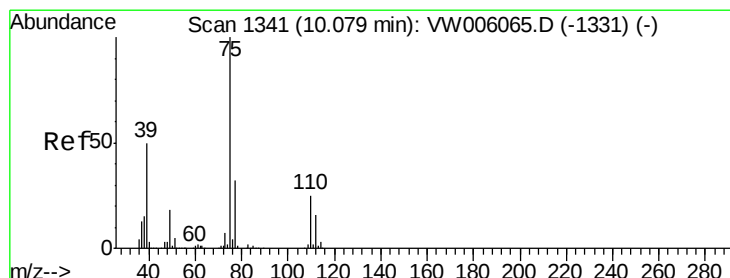
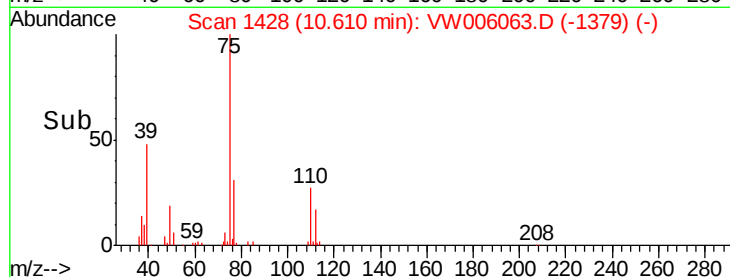
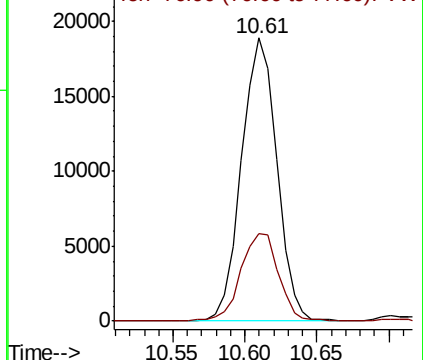
75 100

77 31.1 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 8.912 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

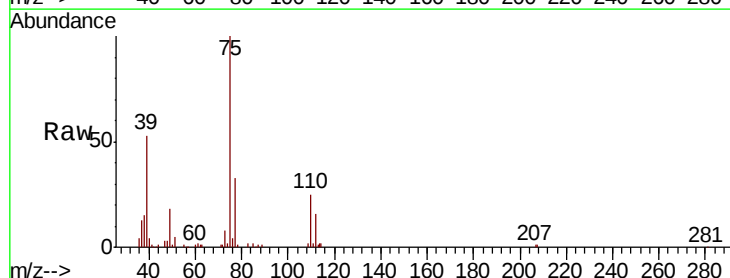
Tgt Ion: 75 Resp: 37251

Ion Ratio Lower Upper

75 100

77 32.9 25.2 37.8

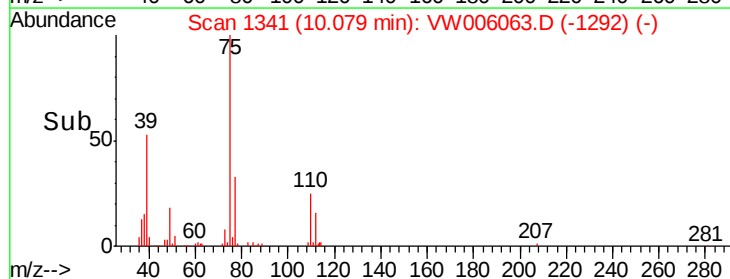
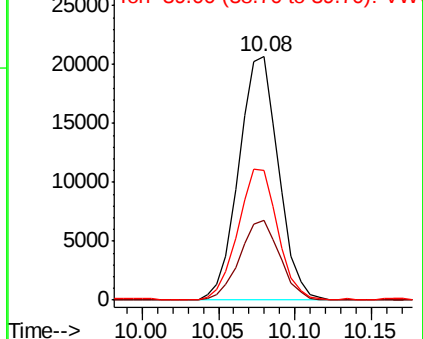
39 53.2 39.9 59.9

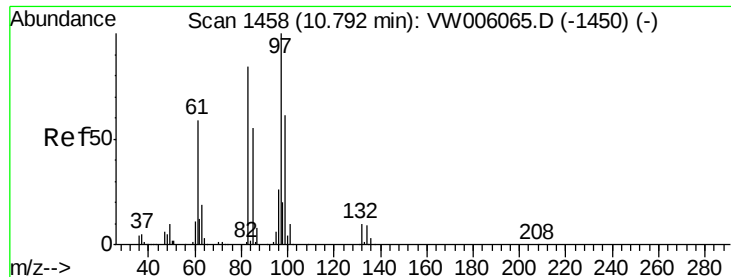


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

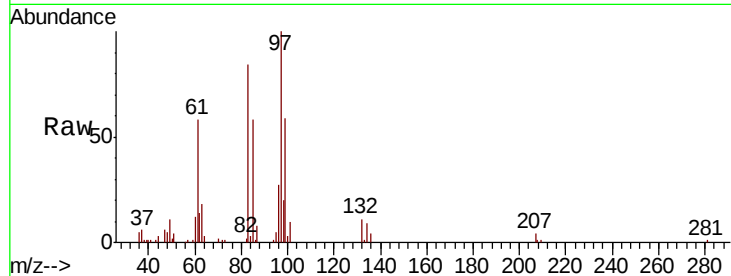




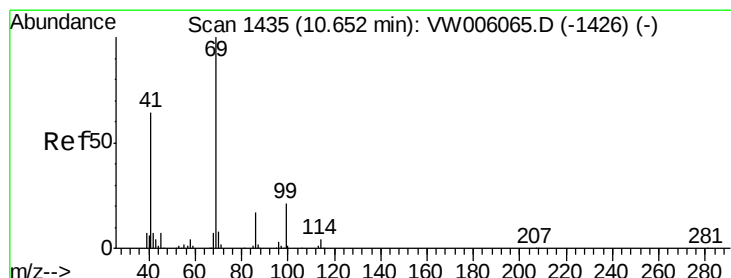
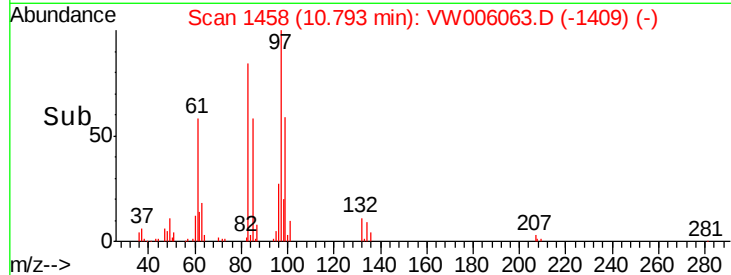
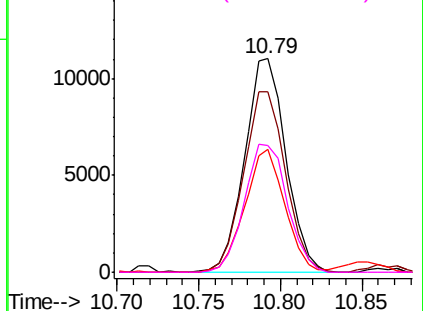
#55
 1,1,2-Trichloroethane
 Concen: 9.785 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion: 97 Resp: 19374
 Ion Ratio Lower Upper
 97 100
 83 84.4 67.2 100.8
 85 57.6 43.7 65.5
 99 59.2 48.5 72.7

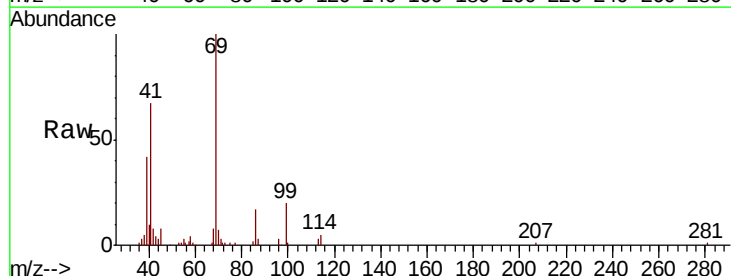


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

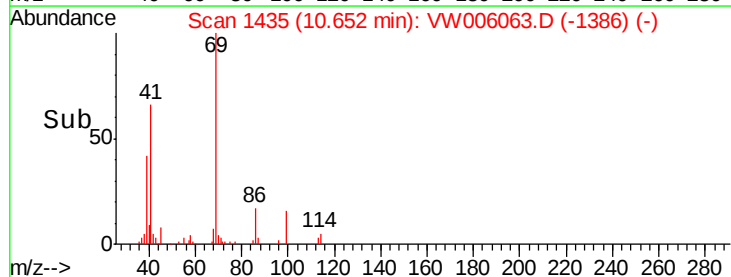
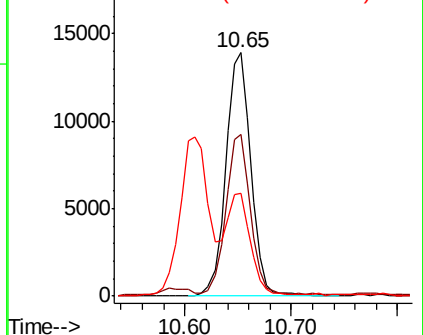


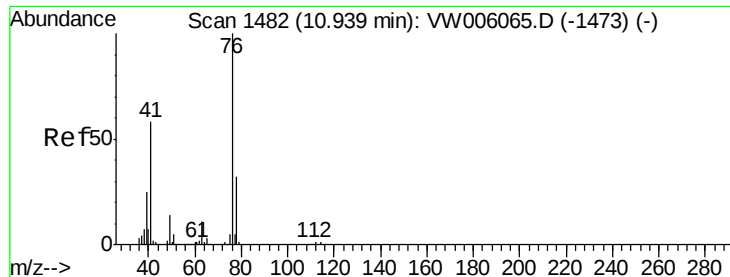
#56
 Ethyl methacrylate
 Concen: 8.687 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Tgt Ion: 69 Resp: 22853
 Ion Ratio Lower Upper
 69 100
 41 66.0 52.8 79.2
 39 37.3 30.6 45.8



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

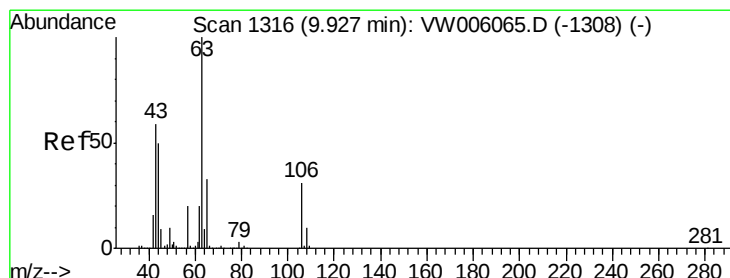
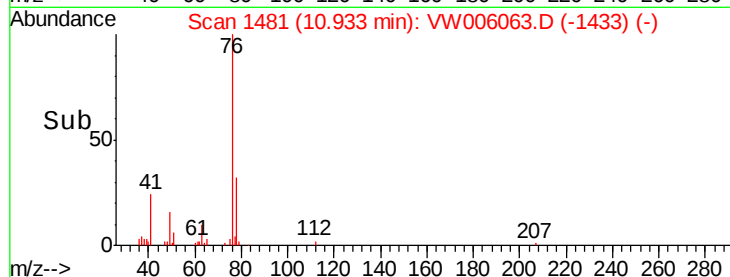
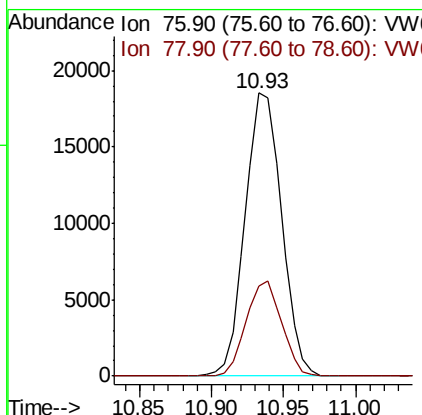
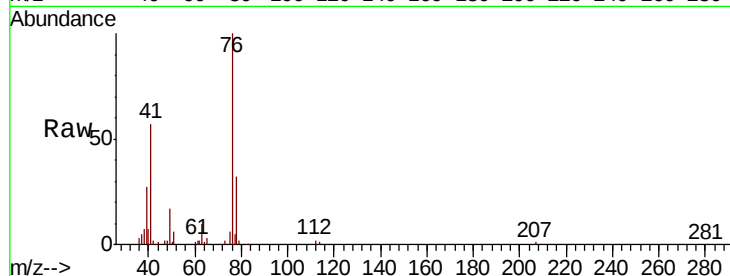




#57
 1,3-Dichloropropane
 Concen: 9.817 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

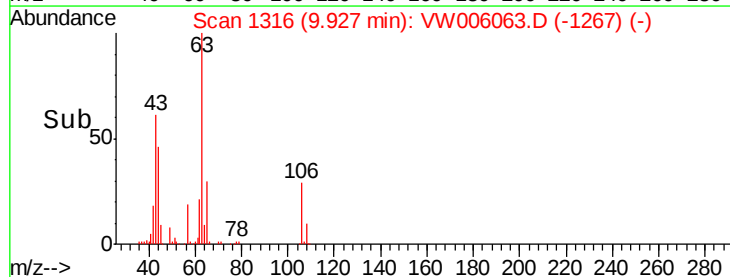
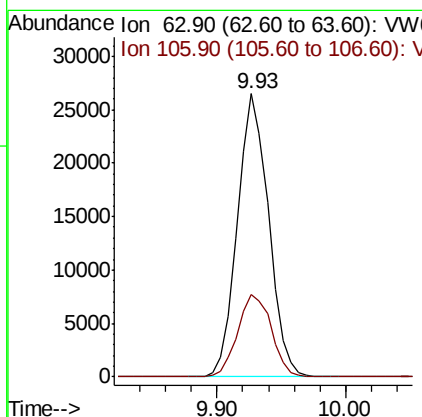
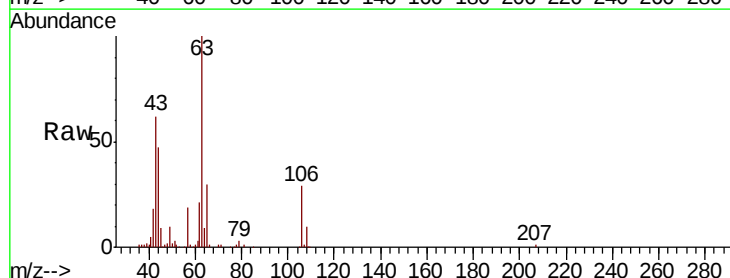
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

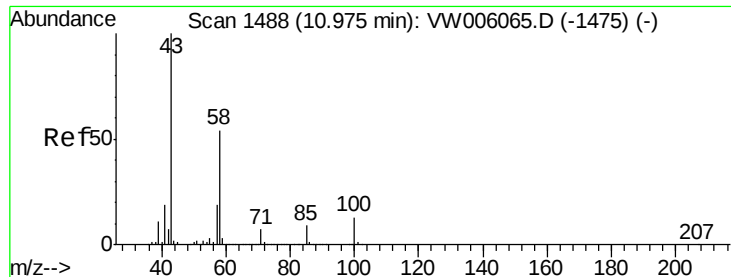
Tgt Ion: 76 Resp: 32587
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 41.882 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Tgt Ion: 63 Resp: 44451
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.5 36.7

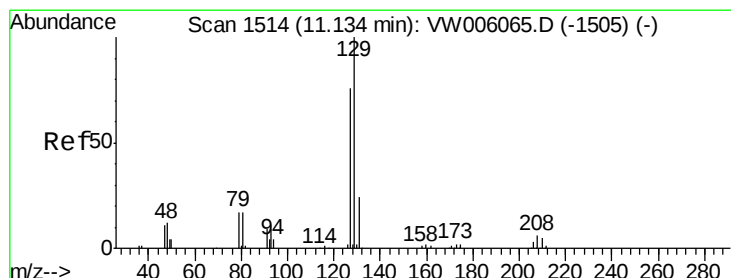
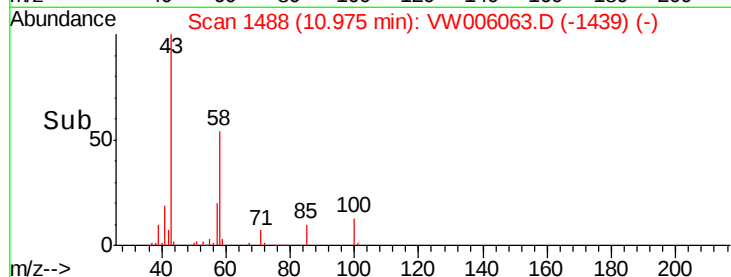
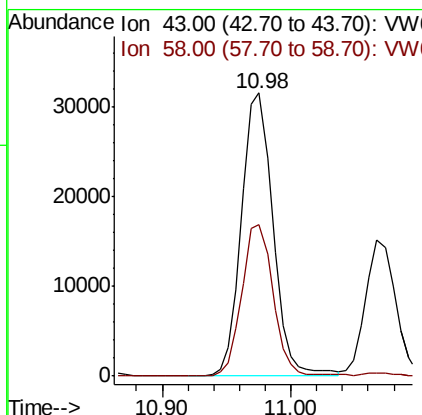
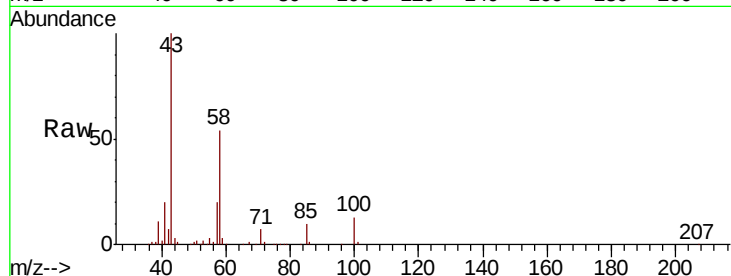




#59
2-Hexanone
Concen: 47.000 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

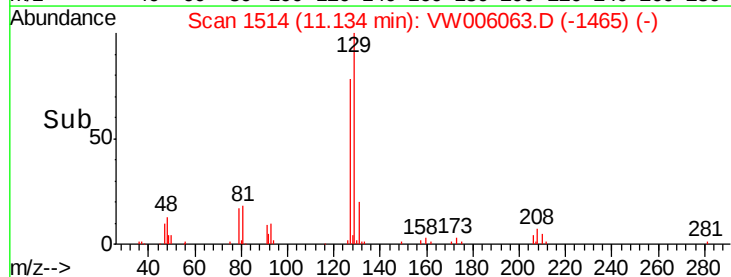
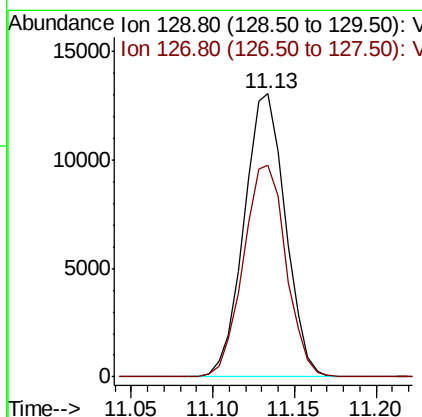
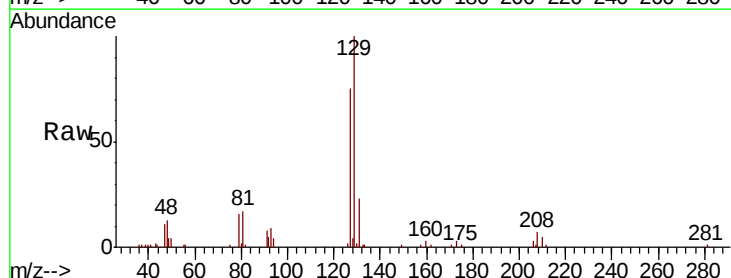
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

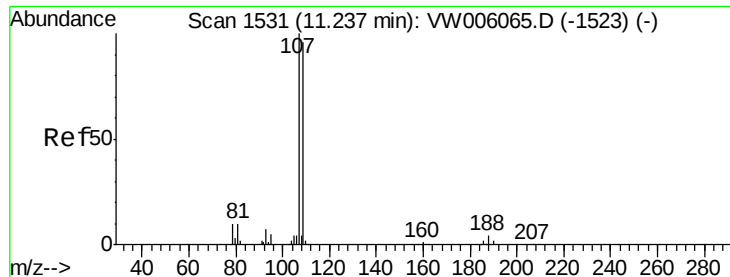
Tgt Ion: 43 Resp: 53639
Ion Ratio Lower Upper
43 100
58 52.9 26.9 80.6



#60
Dibromochloromethane
Concen: 9.061 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 129 Resp: 23060
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





#61

1,2-Dibromoethane

Concen: 9.609 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

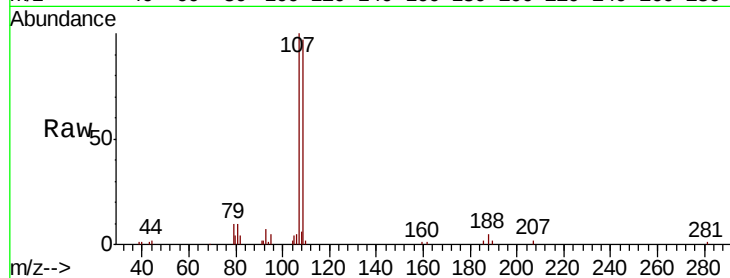
VSTDIC010

Tgt Ion: 107 Resp: 19028

Ion Ratio Lower Upper

107 100

109 96.9 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

12000

10000

8000

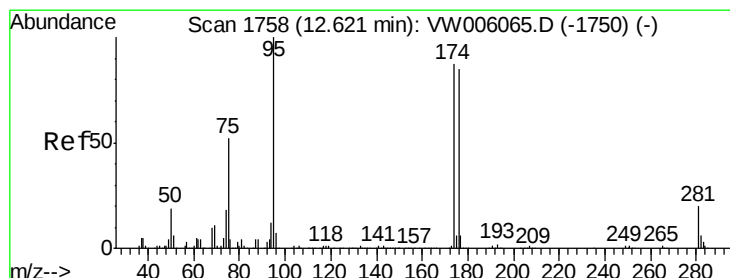
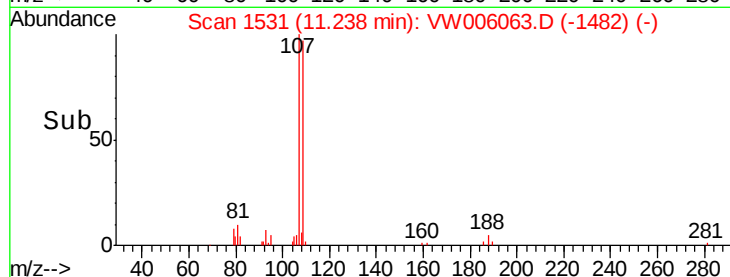
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 9.419 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

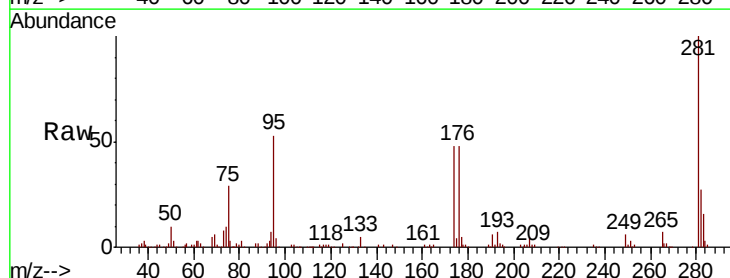
Tgt Ion: 95 Resp: 34588

Ion Ratio Lower Upper

95 100

174 94.5 0.0 186.0

176 91.8 0.0 181.6



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

12.62

25000

20000

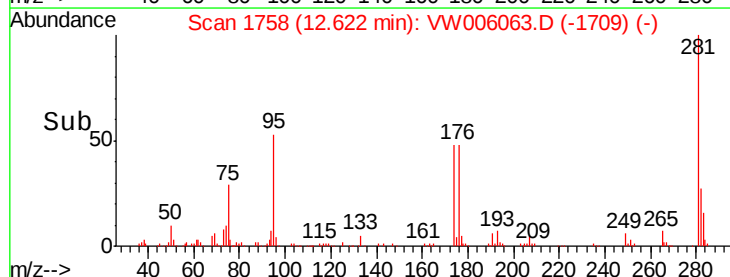
15000

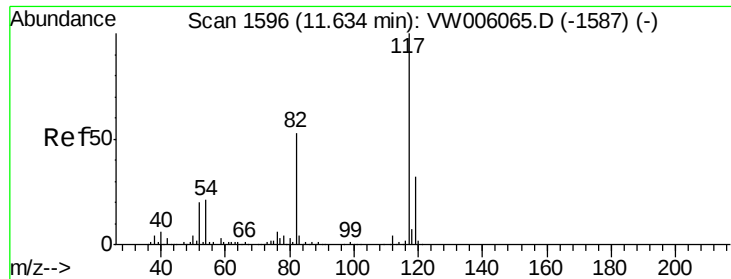
10000

5000

0

Time--> 12.55 12.60 12.65 12.70

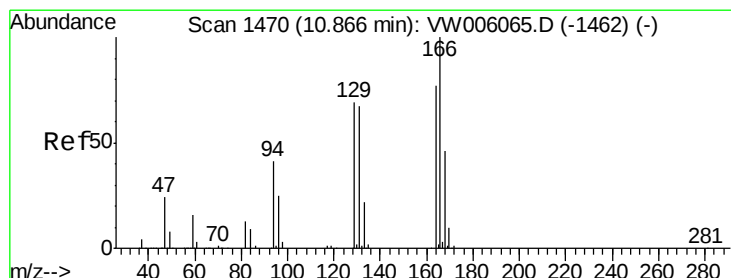
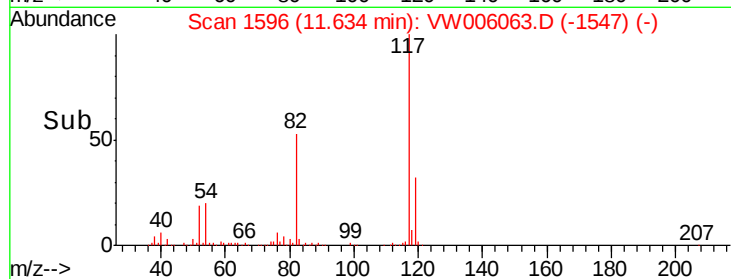
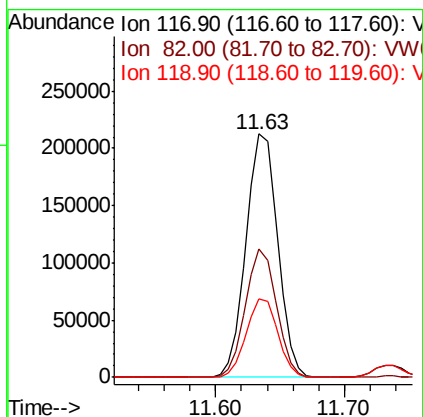
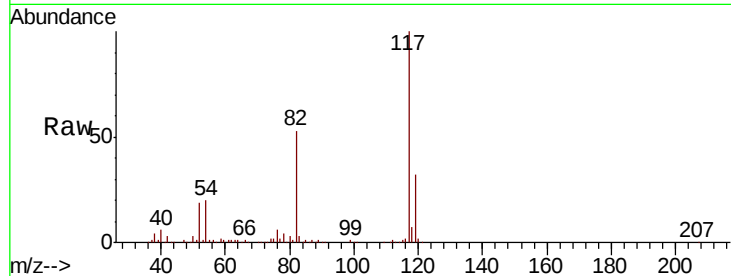




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

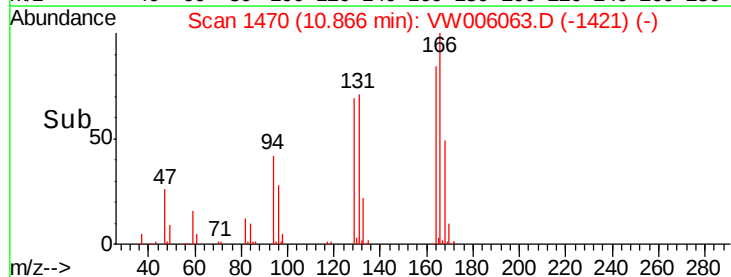
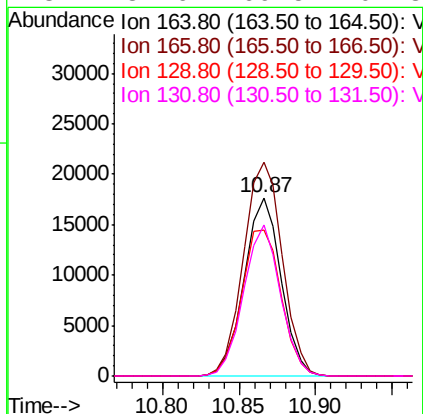
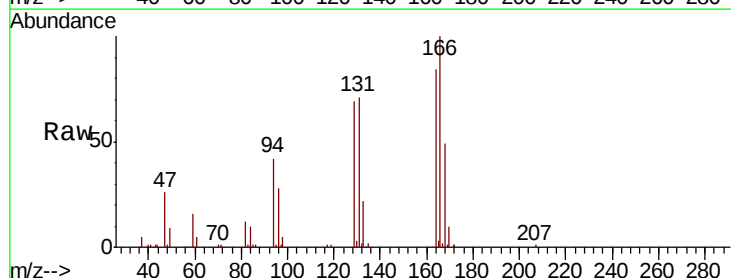
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

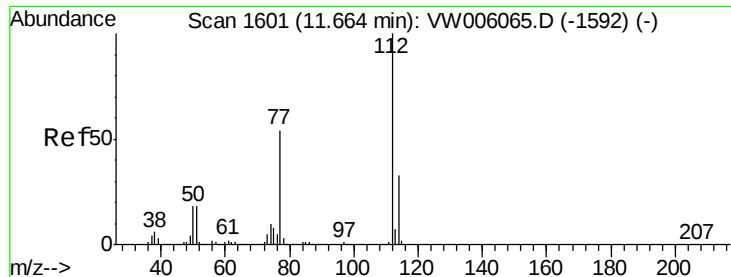
Tgt Ion:117 Resp: 361381
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 10.998 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion:164 Resp: 29549
Ion Ratio Lower Upper
164 100
166 119.7 103.4 155.0
129 82.0 71.8 107.8
131 84.6 69.5 104.3

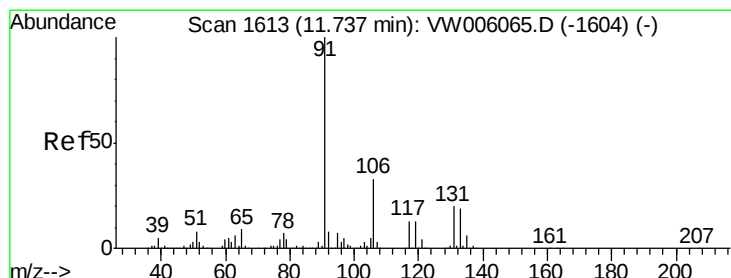
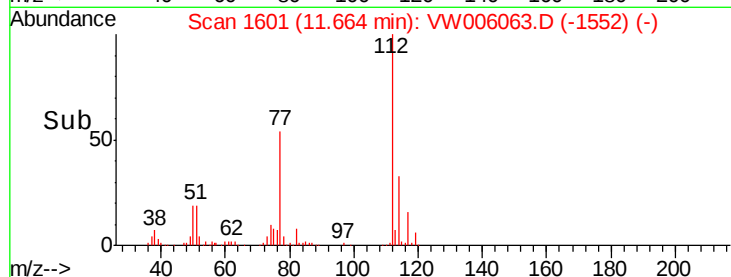
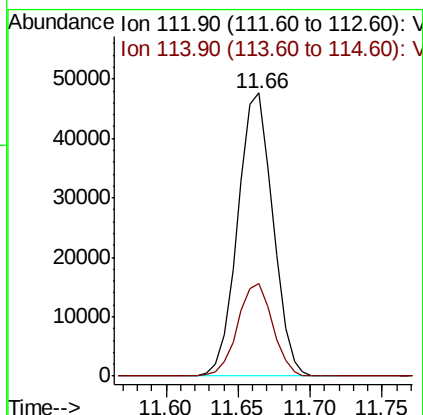
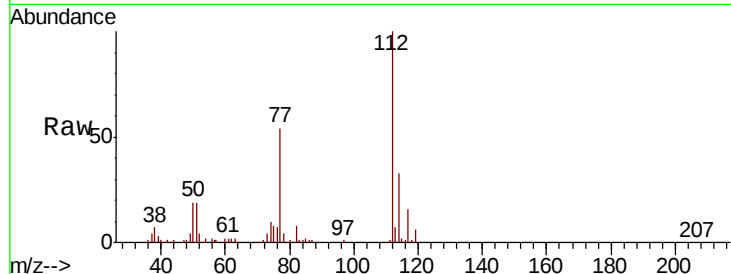




#65
Chlorobenzene
Concen: 10.516 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

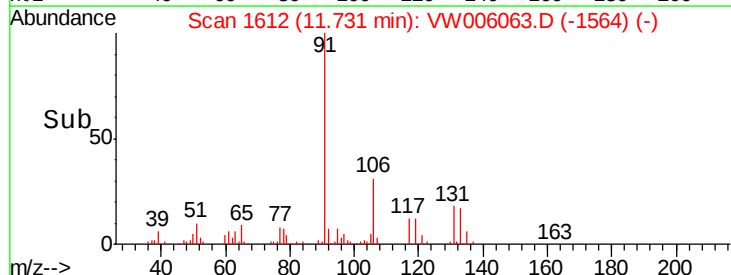
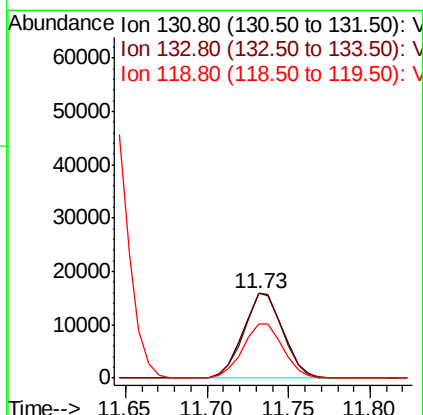
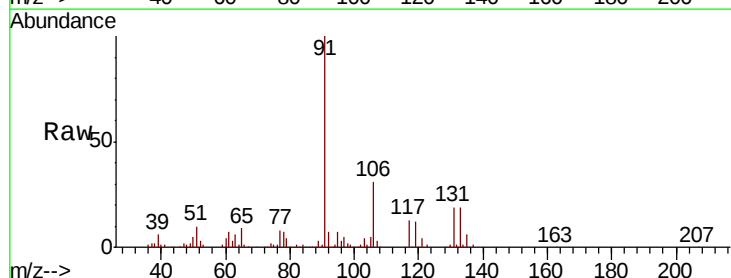
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

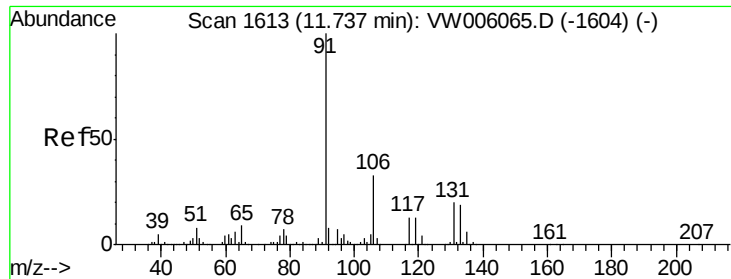
Tgt Ion:112 Resp: 80629
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 9.670 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion:131 Resp: 27181
Ion Ratio Lower Upper
131 100
133 98.0 48.1 144.3
119 65.1 31.6 94.7

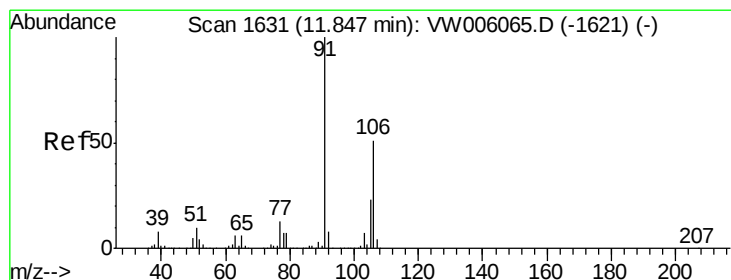
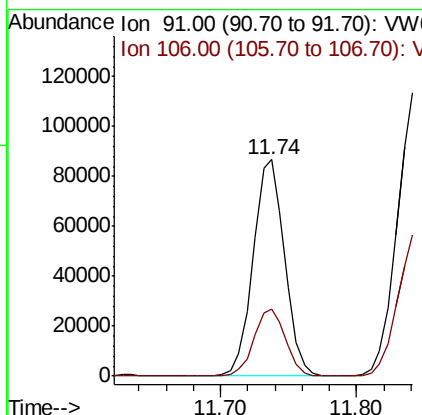
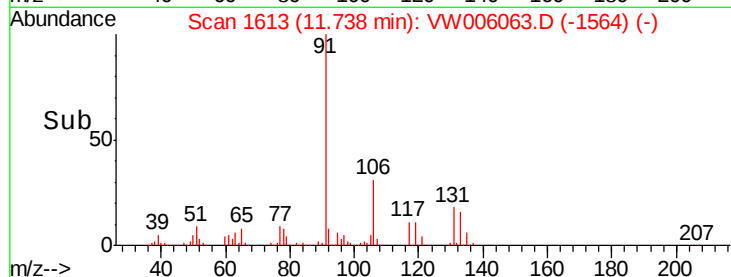
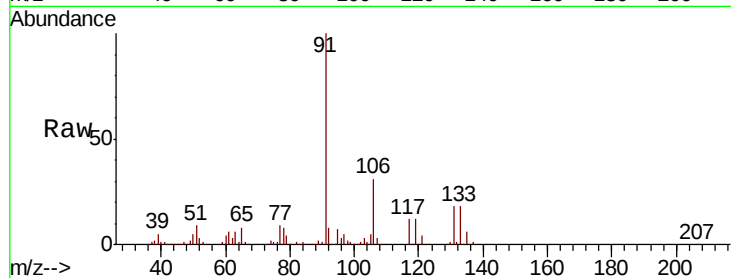




#67
Ethyl Benzene
Concen: 10.435 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

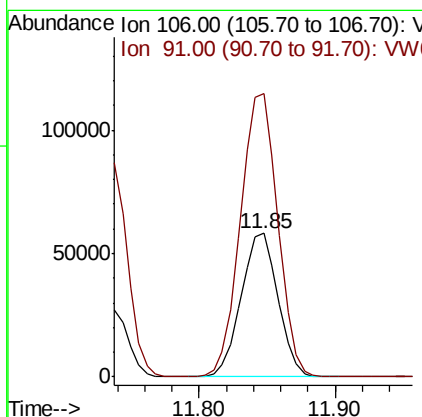
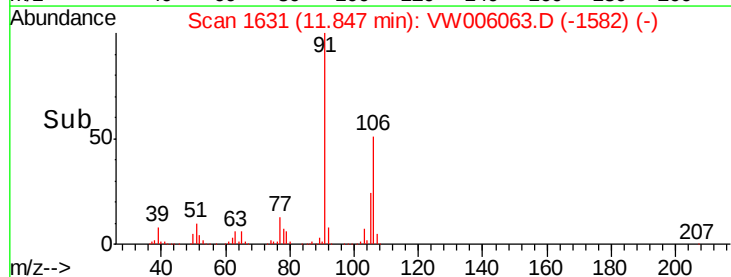
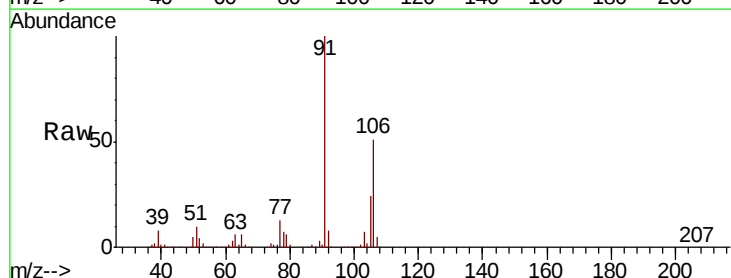
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

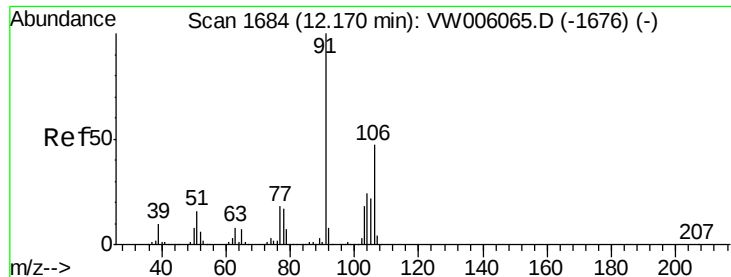
Tgt Ion: 91 Resp: 140814
Ion Ratio Lower Upper
91 100
106 31.2 26.1 39.1



#68
m/p-Xylenes
Concen: 20.848 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion: 106 Resp: 110275
Ion Ratio Lower Upper
106 100
91 200.1 159.1 238.7

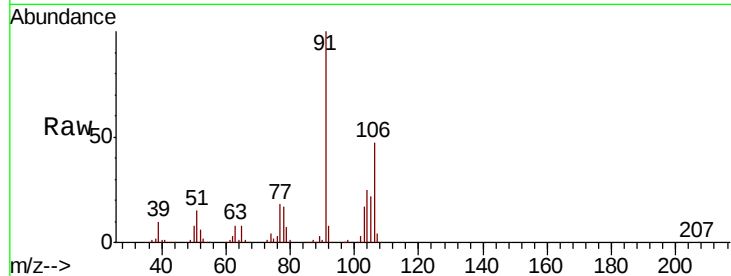




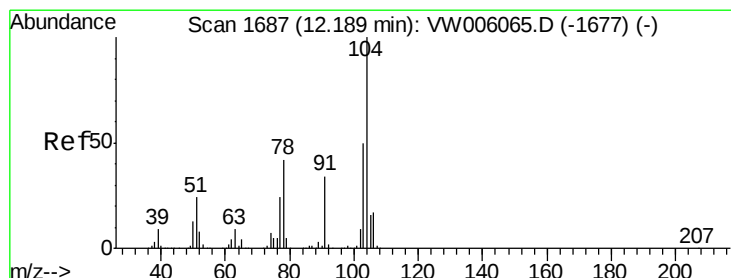
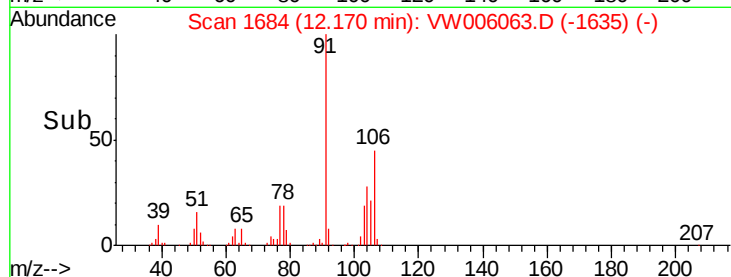
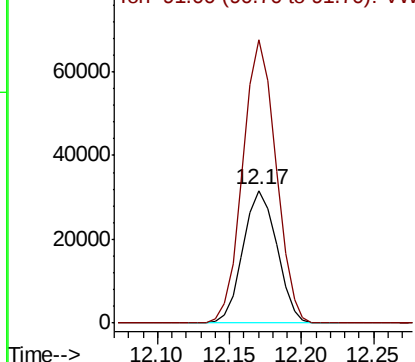
#69
o-Xylene
Concen: 10.166 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 51525
Ion Ratio Lower Upper
106 100
91 209.8 105.4 316.1

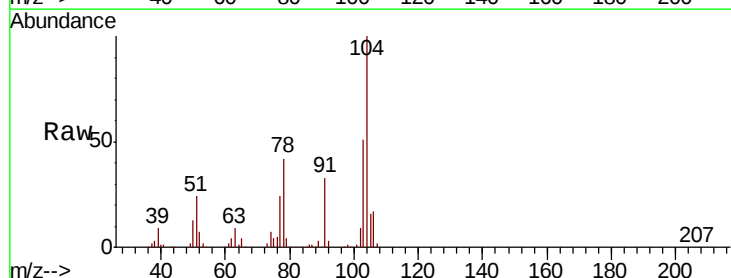


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

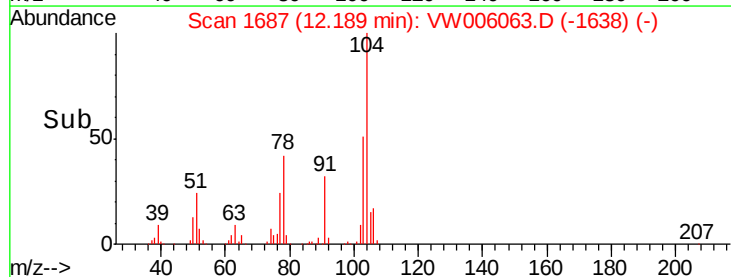
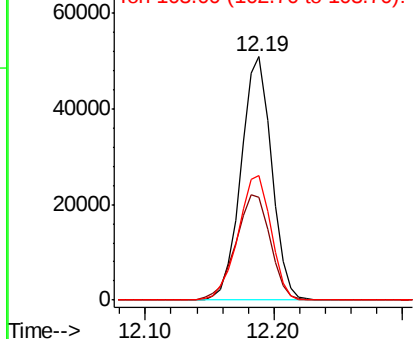


#70
Styrene
Concen: 9.946 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006063.D
Acq: 15 Oct 2018 17:19

Tgt Ion:104 Resp: 83474
Ion Ratio Lower Upper
104 100
78 49.0 39.1 58.7
103 55.1 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 8.769 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

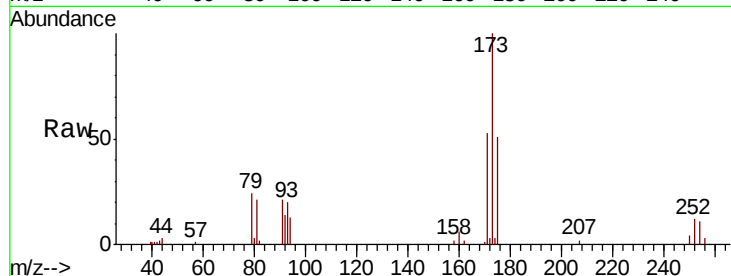
Tgt Ion:173 Resp: 14582

Ion Ratio Lower Upper

173 100

175 48.5 24.2 72.6

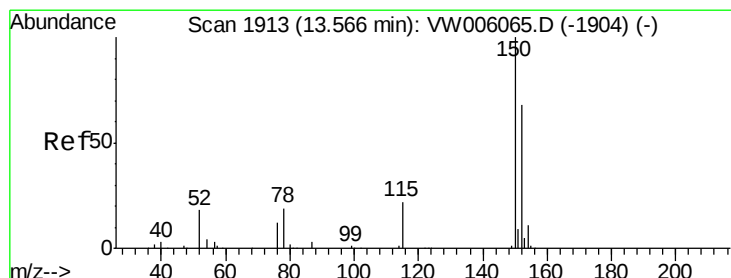
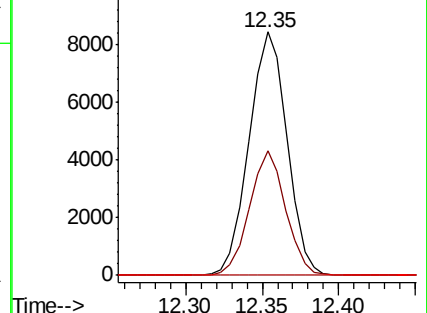
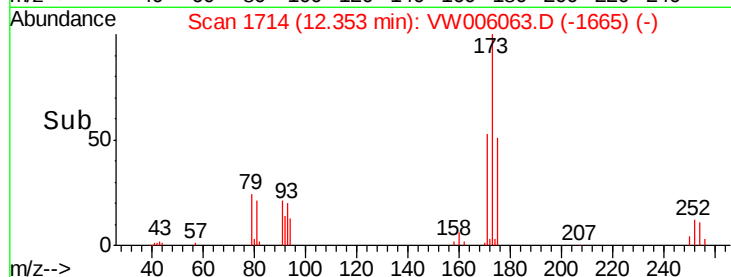
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

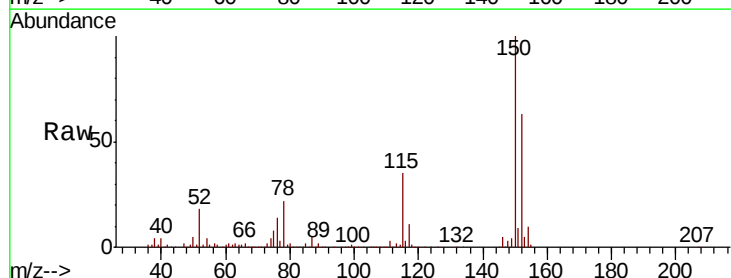
Tgt Ion:152 Resp: 199603

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.3

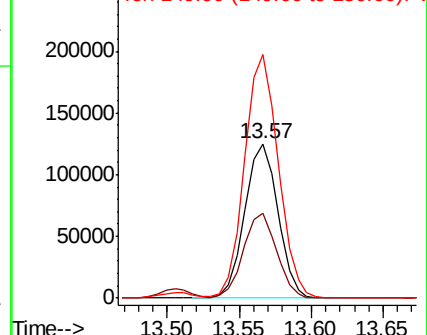
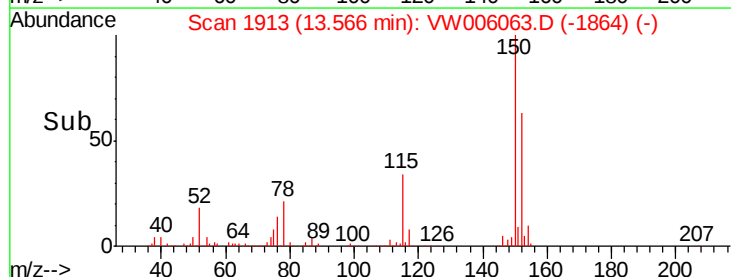
150 160.4 0.0 349.2

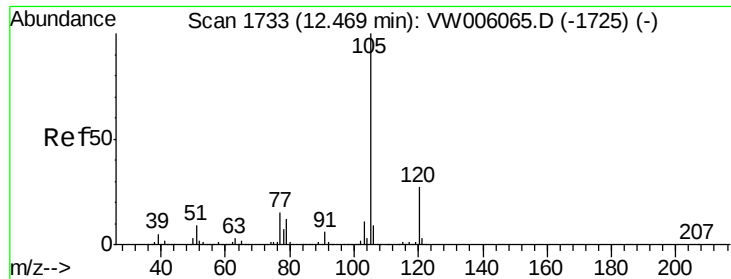


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.151 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

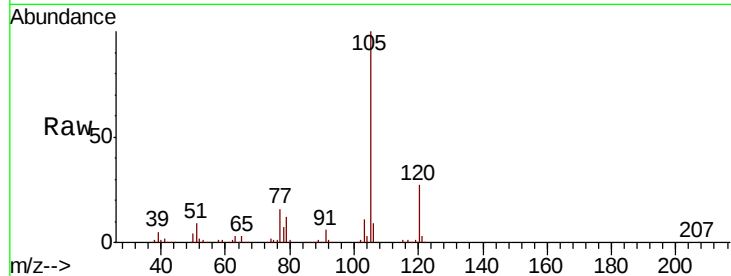
VSTDIC010

Tgt Ion:105 Resp: 146075

Ion Ratio Lower Upper

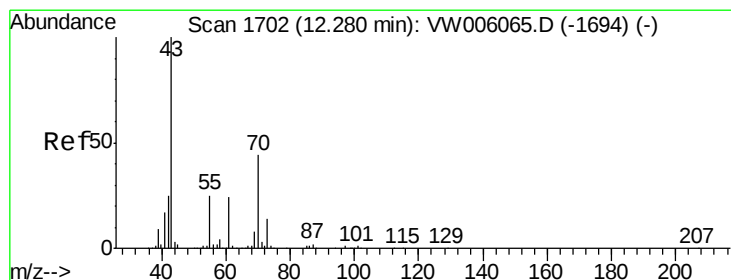
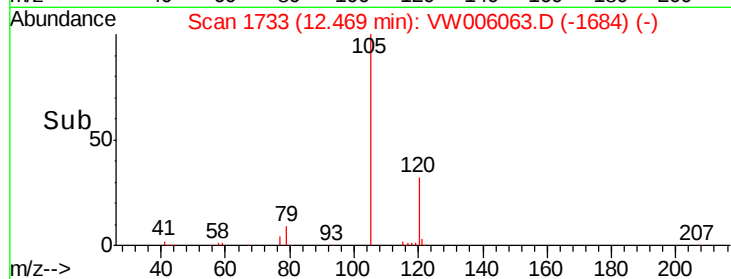
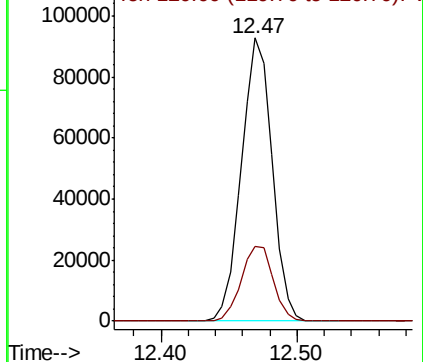
105 100

120 27.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.193 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Tgt Ion: 43 Resp: 27308

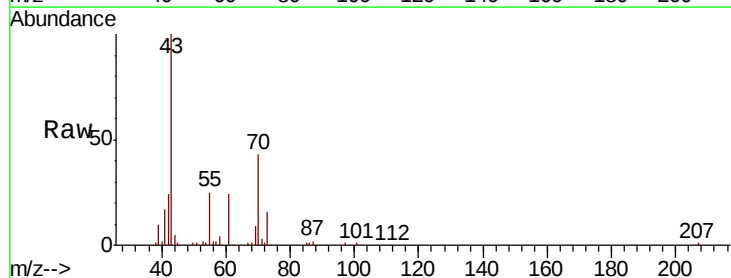
Ion Ratio Lower Upper

43 100

70 42.5 34.2 51.4

55 24.8 19.2 28.8

61 23.6 19.0 28.6

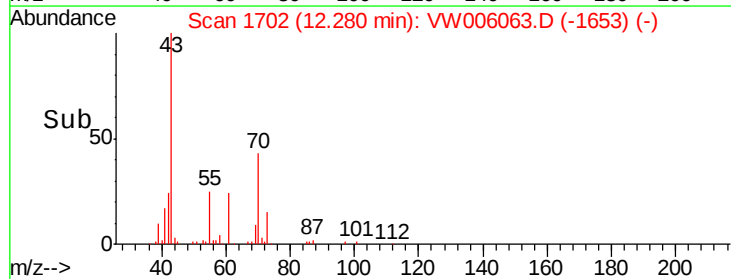
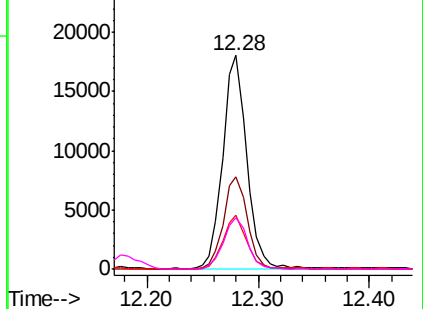


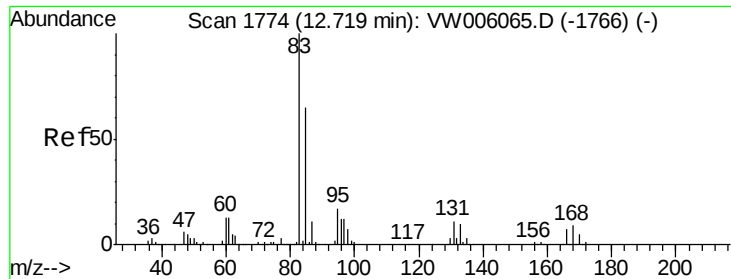
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 9.243 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

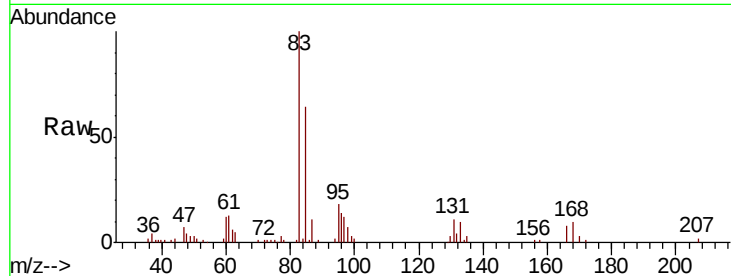
Tgt Ion: 83 Resp: 21664

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.7

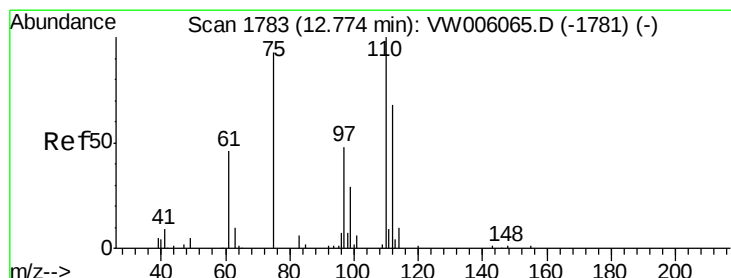
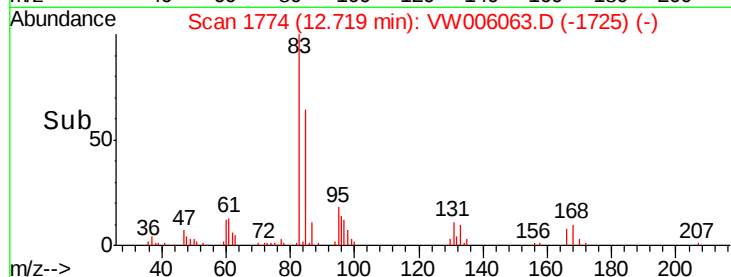
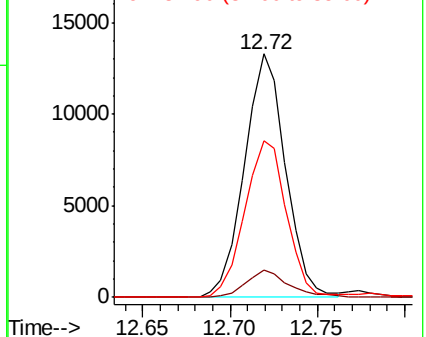
85 65.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.758 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006063.D

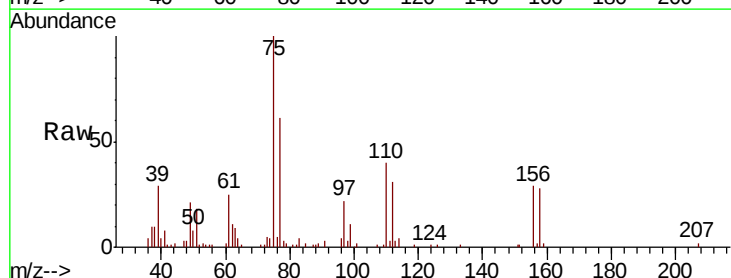
Acq: 15 Oct 2018 17:19

Tgt Ion: 75 Resp: 28824

Ion Ratio Lower Upper

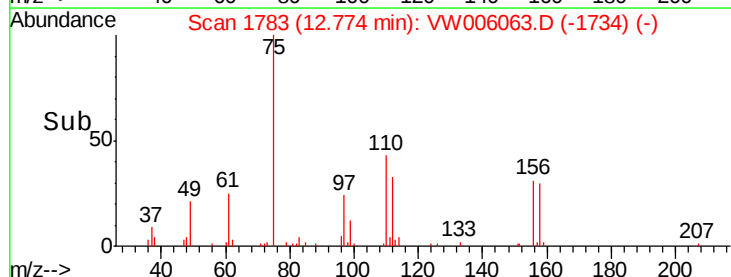
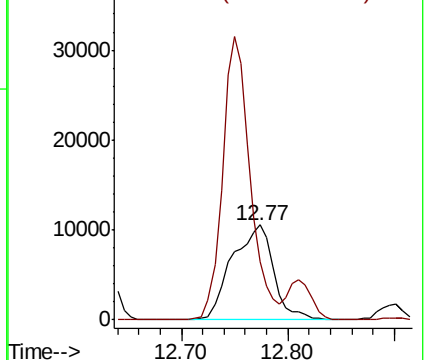
75 100

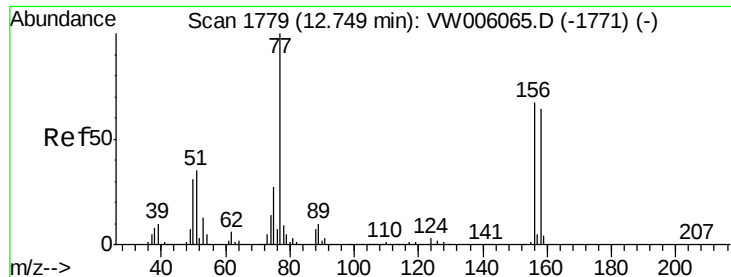
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.389 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

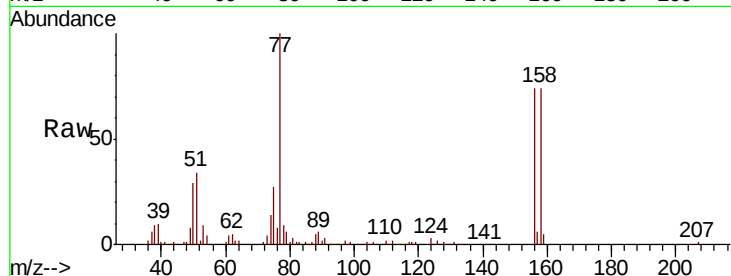
Tgt Ion:156 Resp: 35622

Ion Ratio Lower Upper

156 100

77 159.8 79.1 237.4

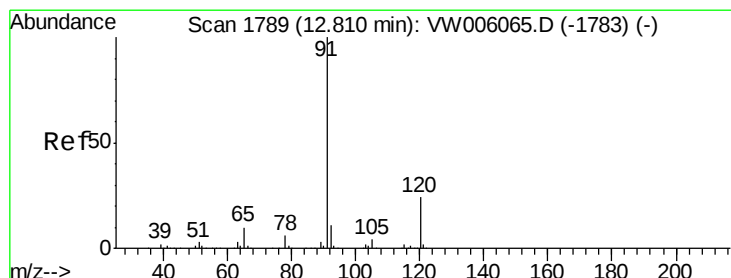
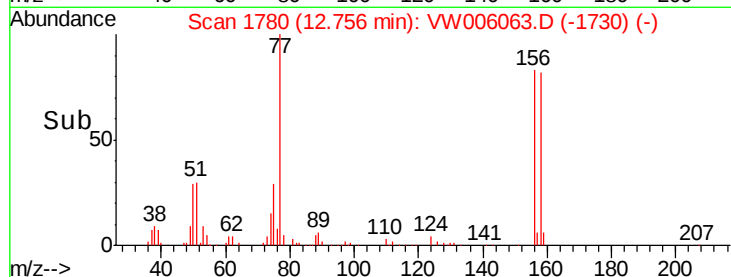
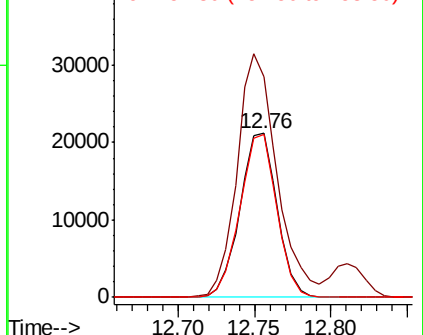
158 98.5 48.5 145.6



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: 10.307 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006063.D

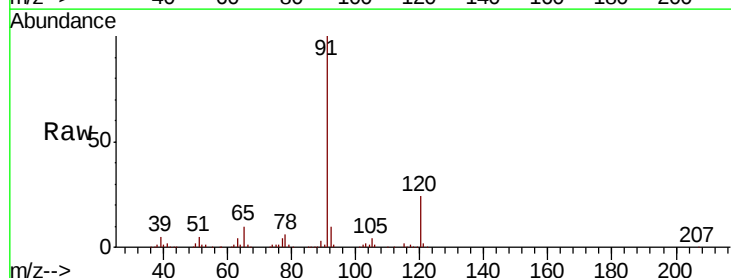
Acq: 15 Oct 2018 17:19

Tgt Ion: 91 Resp: 174317

Ion Ratio Lower Upper

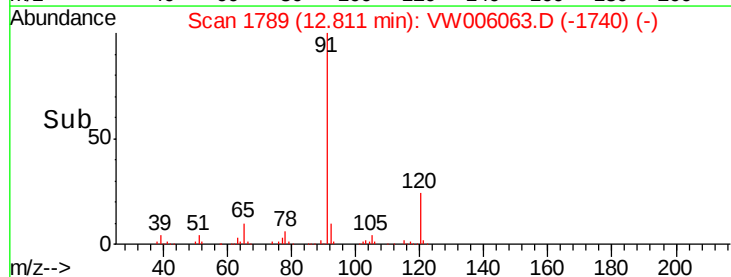
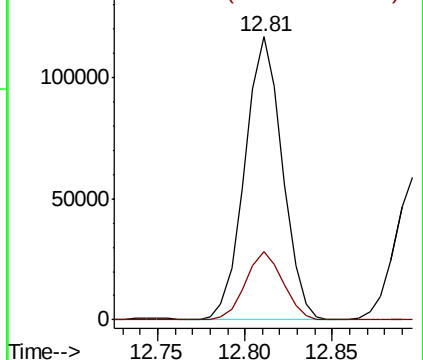
91 100

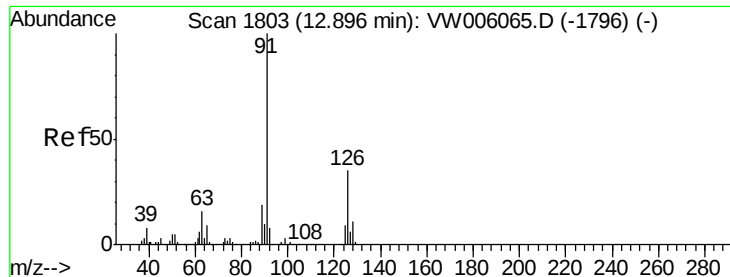
120 24.1 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.031 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

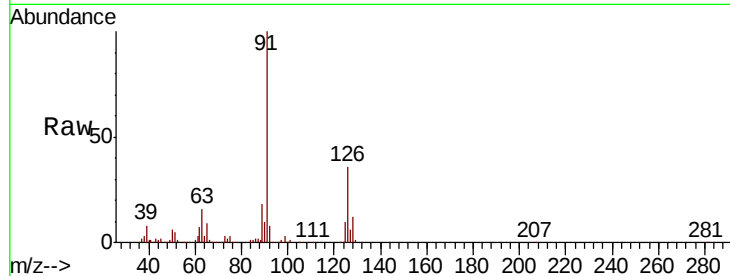
VSTDIC010

Tgt Ion: 91 Resp: 95885

Ion Ratio Lower Upper

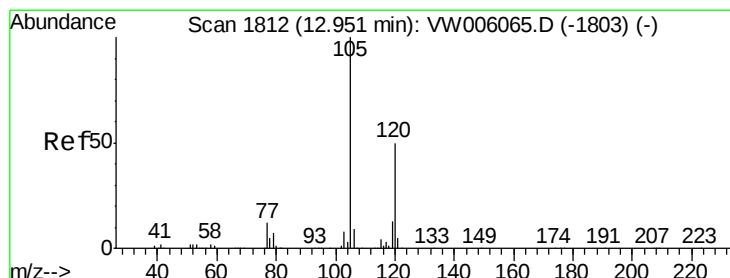
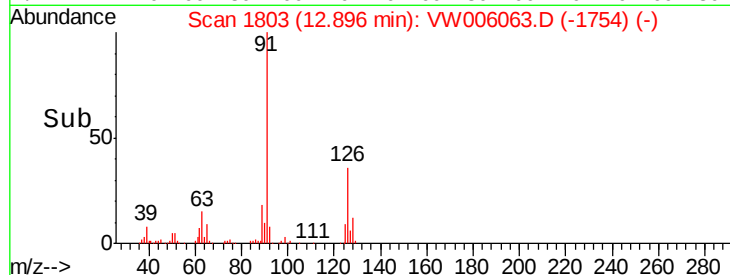
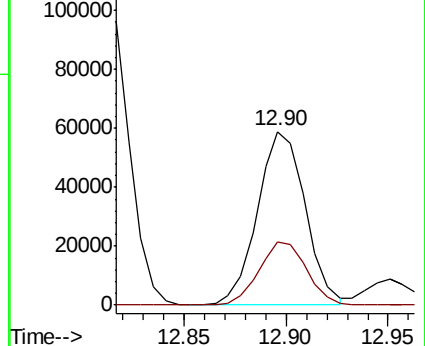
91 100

126 36.7 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 10.195 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006063.D

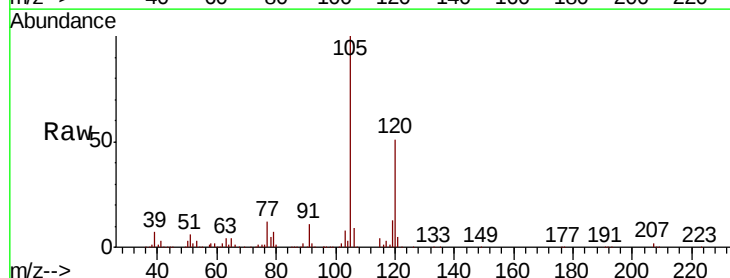
Acq: 15 Oct 2018 17:19

Tgt Ion: 105 Resp: 124032

Ion Ratio Lower Upper

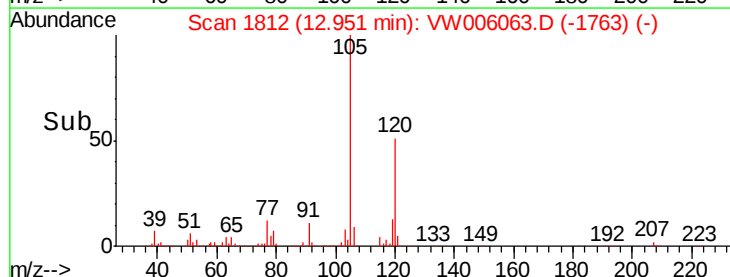
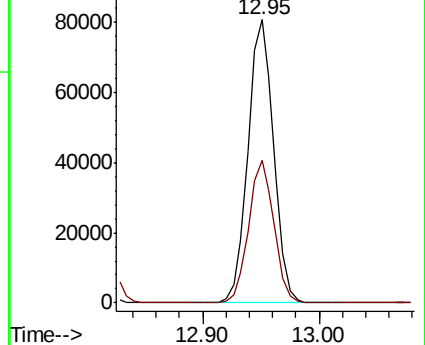
105 100

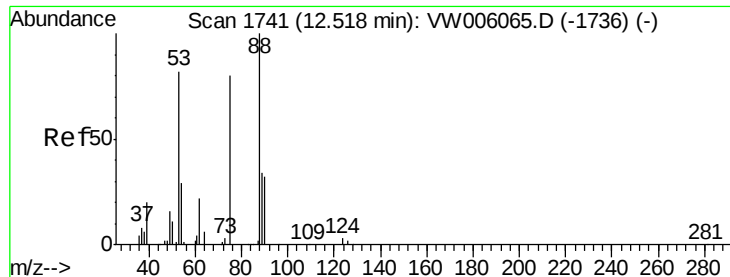
120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 7.761 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

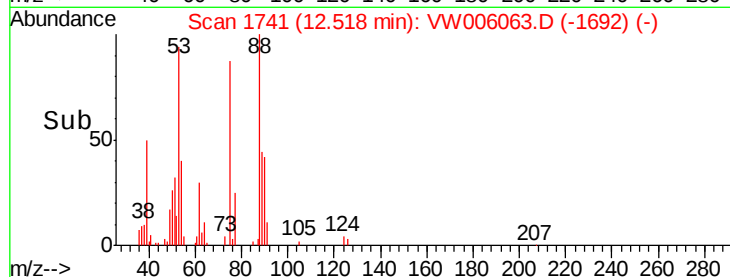
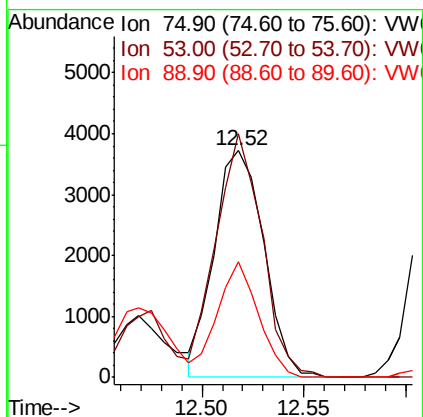
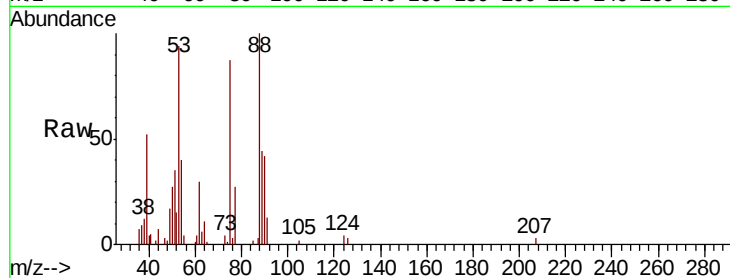
Tgt Ion: 75 Resp: 6287

Ion Ratio Lower Upper

75 100

53 99.5 79.8 119.6

89 42.2 37.5 56.3



#82

4-Chlorotoluene

Concen: 10.034 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006063.D

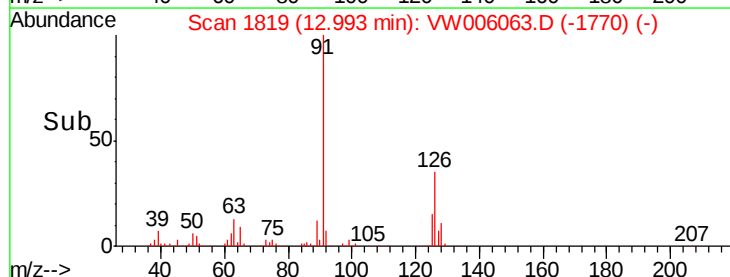
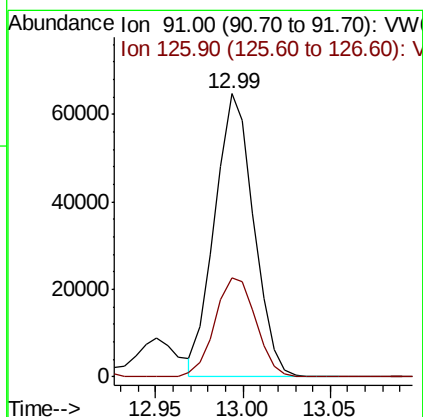
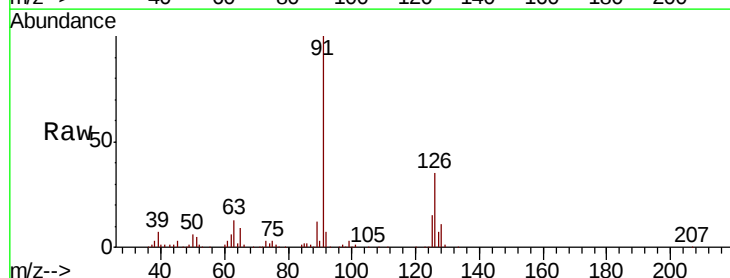
Acq: 15 Oct 2018 17:19

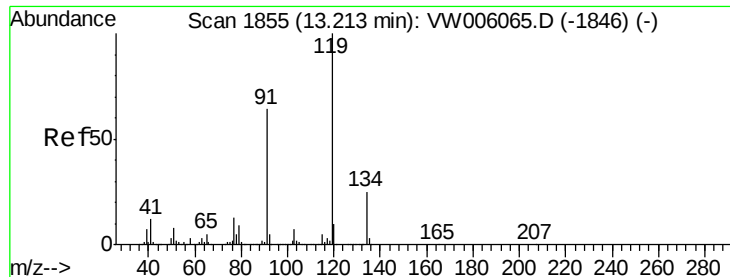
Tgt Ion: 91 Resp: 100504

Ion Ratio Lower Upper

91 100

126 36.8 18.1 54.3





#83

tert-Butylbenzene

Concen: 10.275 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

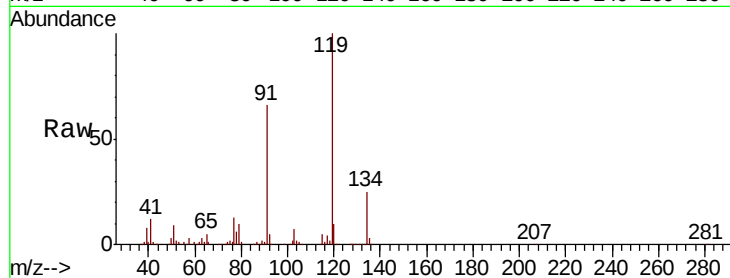
Tgt Ion:119 Resp: 111040

Ion Ratio Lower Upper

119 100

91 64.2 32.3 96.9

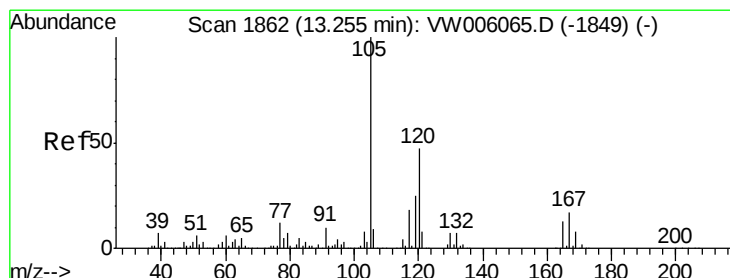
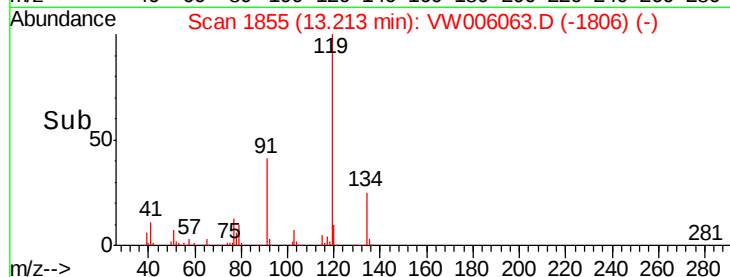
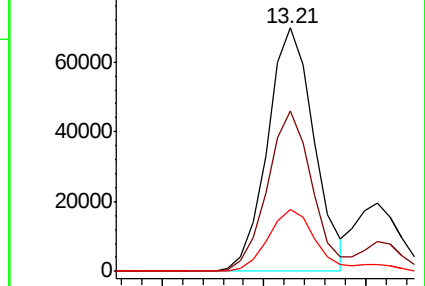
134 25.4 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.282 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006063.D

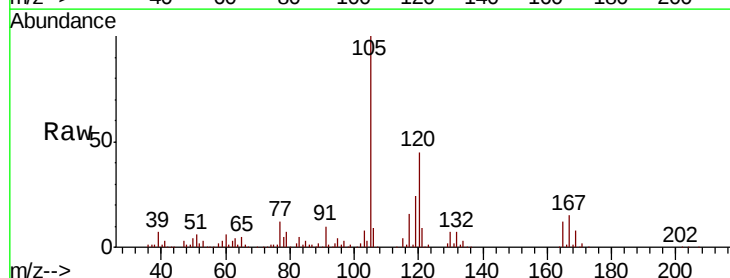
Acq: 15 Oct 2018 17:19

Tgt Ion:105 Resp: 126051

Ion Ratio Lower Upper

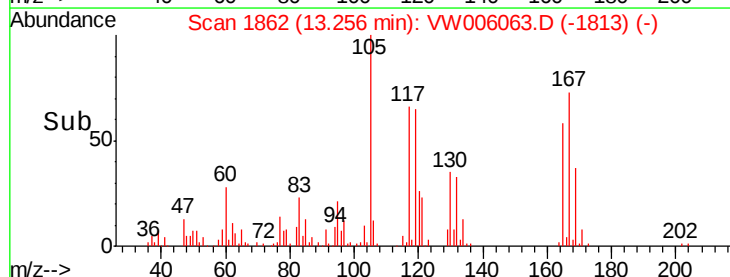
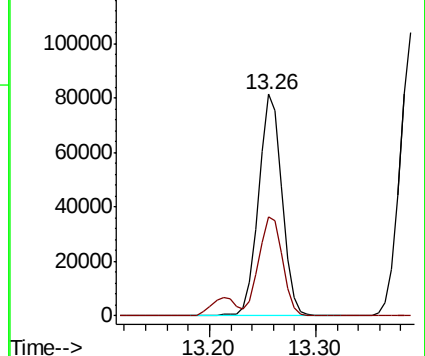
105 100

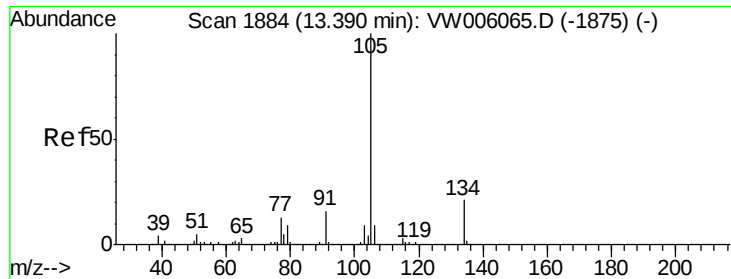
120 45.5 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.401 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

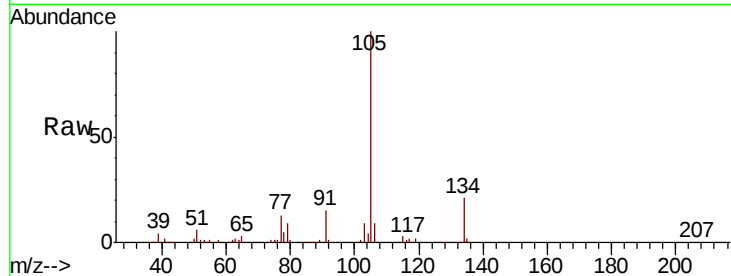
VSTDIC010

Tgt Ion:105 Resp: 157911

Ion Ratio Lower Upper

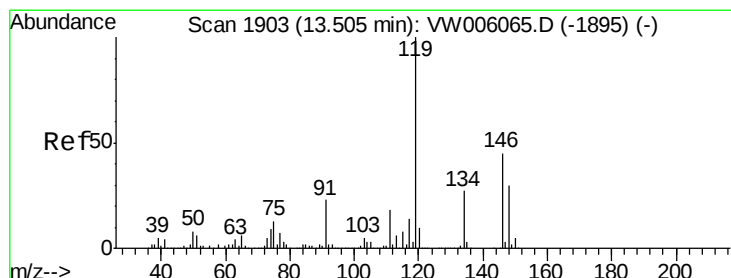
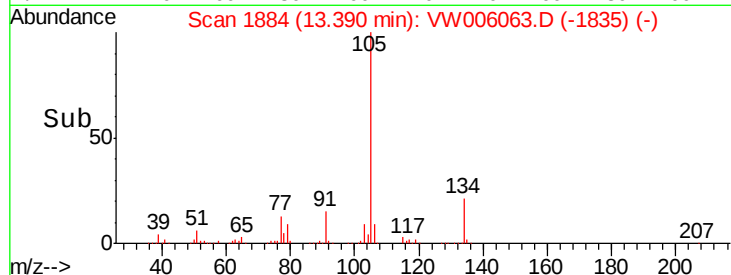
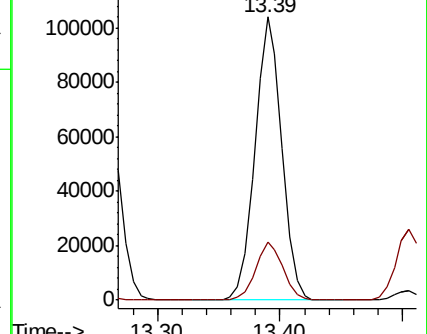
105 100

134 20.9 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.473 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

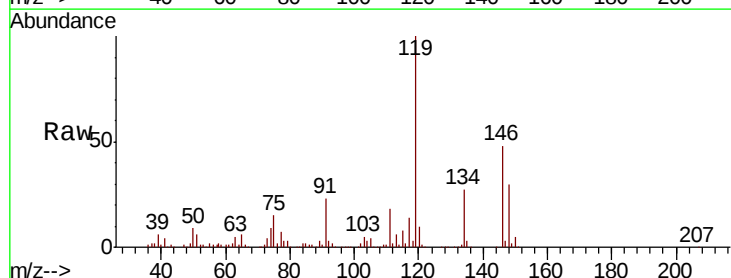
Tgt Ion:119 Resp: 143197

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

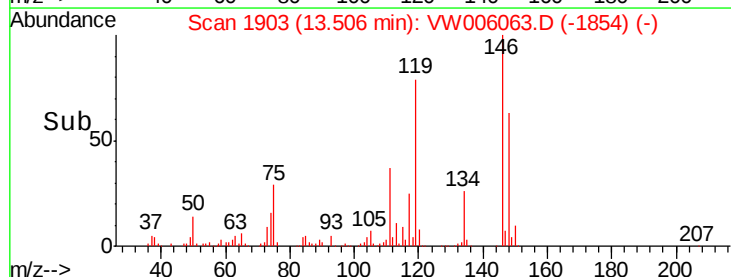
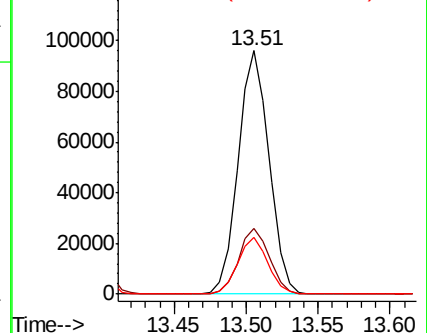
91 22.9 11.4 34.1

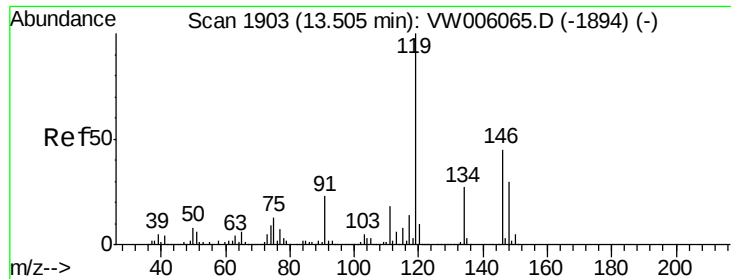


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

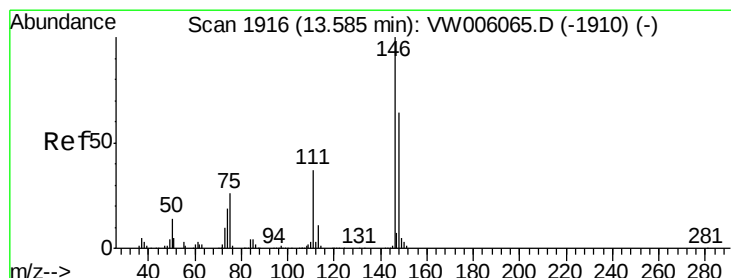
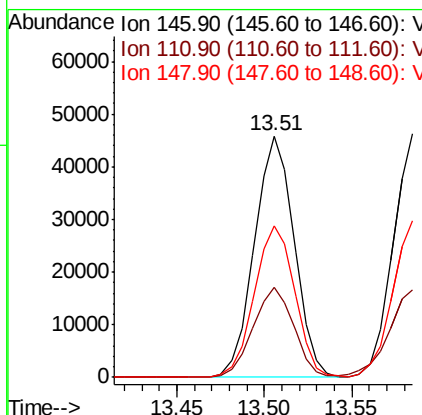
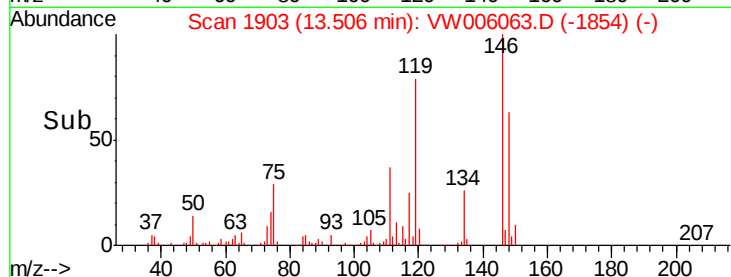
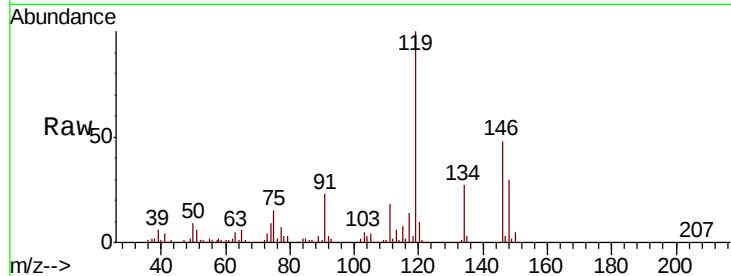




#87
 1,3-Dichlorobenzene
 Concen: 10.652 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

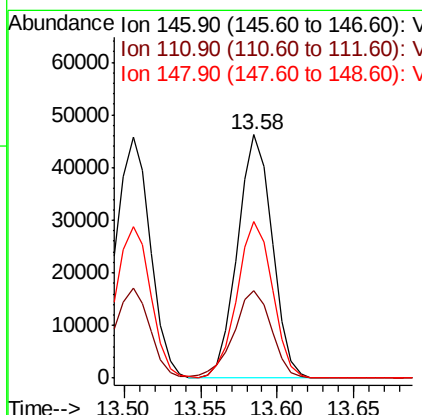
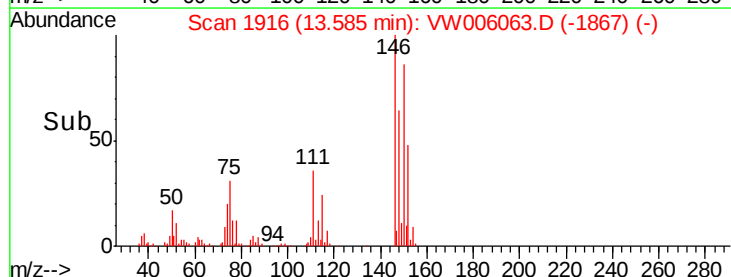
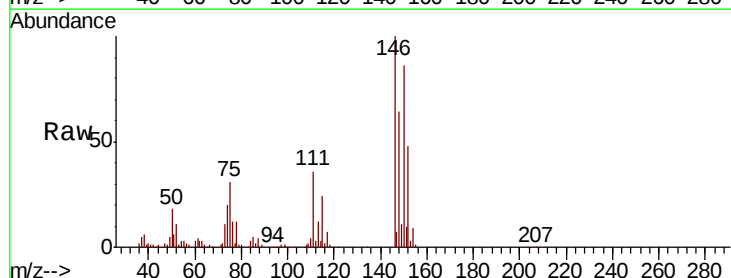
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 72474
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.5
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 10.782 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Tgt Ion:146 Resp: 72887
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.6 56.0
 148 65.6 32.1 96.5





#89

n-Butylbenzene

Concen: 10.357 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

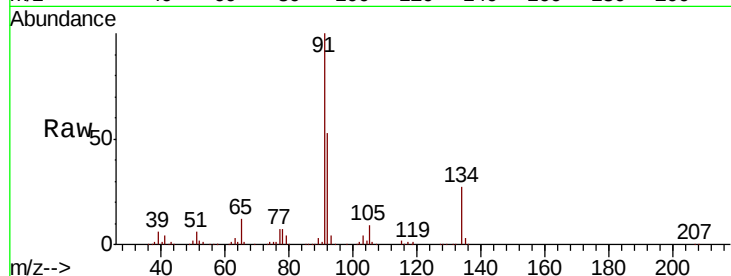
Tgt Ion: 91 Resp: 132643

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.7

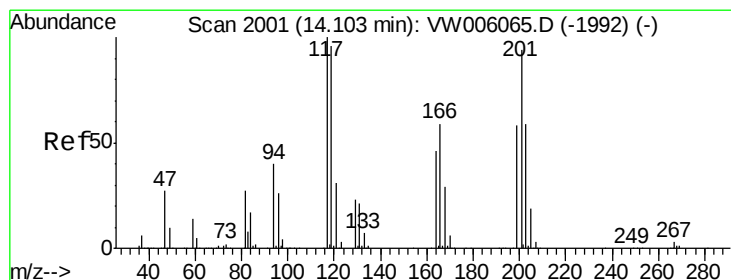
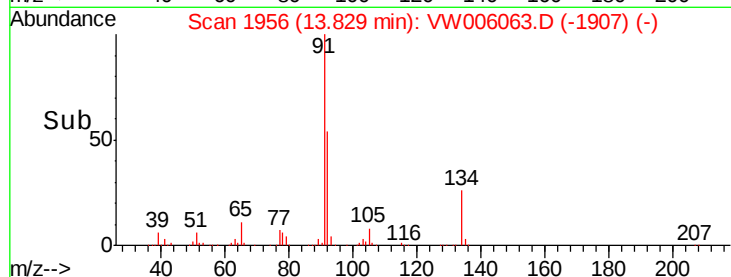
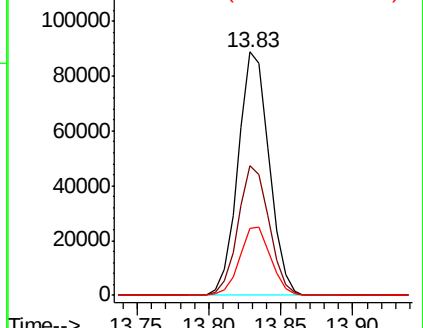
134 28.1 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 9.118 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006063.D

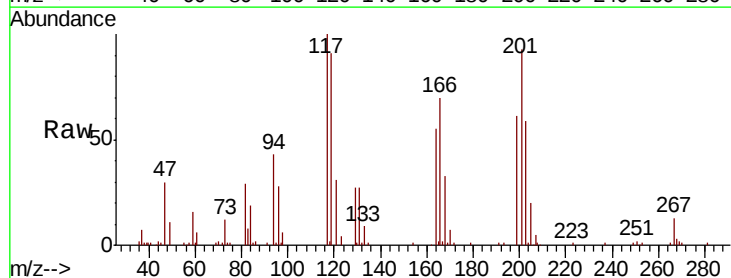
Acq: 15 Oct 2018 17:19

Tgt Ion: 117 Resp: 23195

Ion Ratio Lower Upper

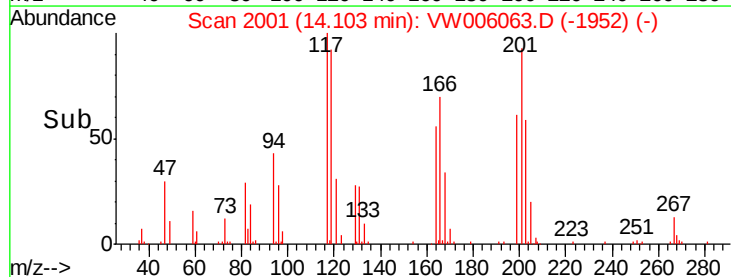
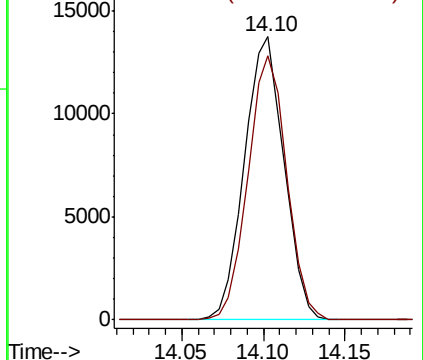
117 100

201 91.0 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 10.537 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

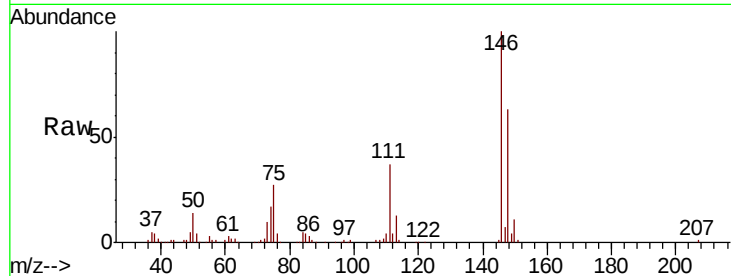
Tgt Ion:146 Resp: 63766

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

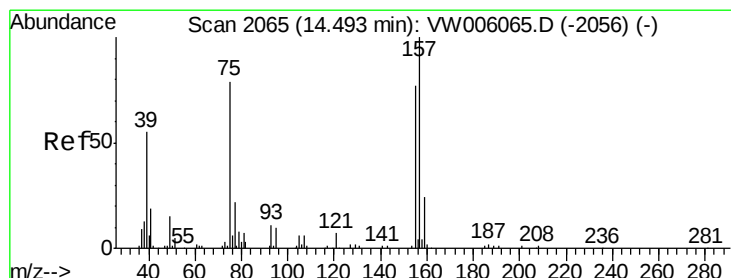
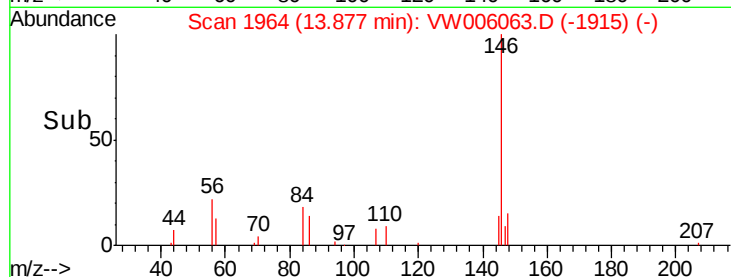
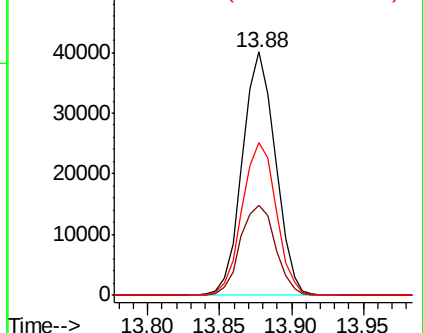
148 64.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.814 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

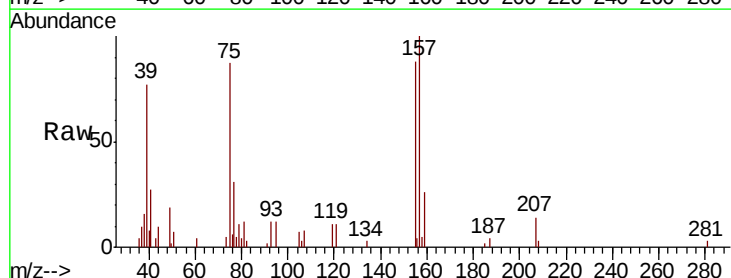
Tgt Ion: 75 Resp: 3822

Ion Ratio Lower Upper

75 100

155 92.2 46.5 139.5

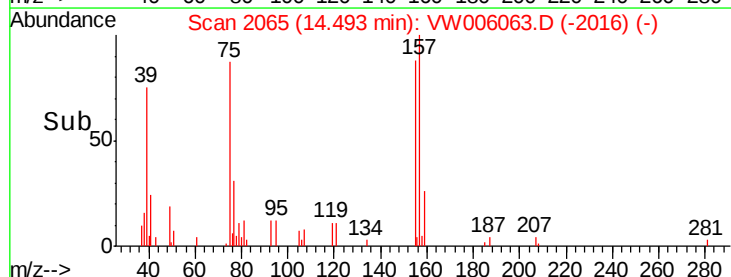
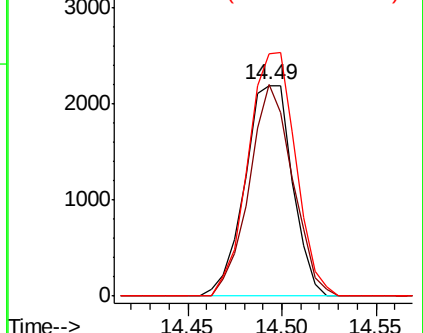
157 115.5 59.8 179.4

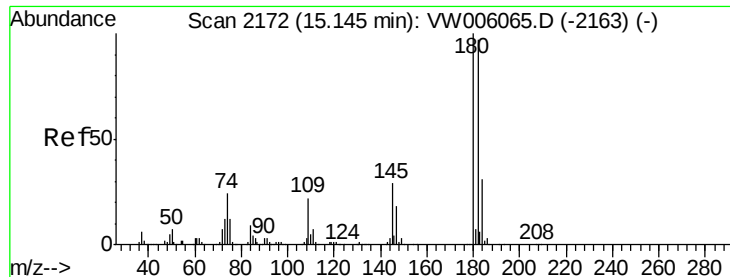


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

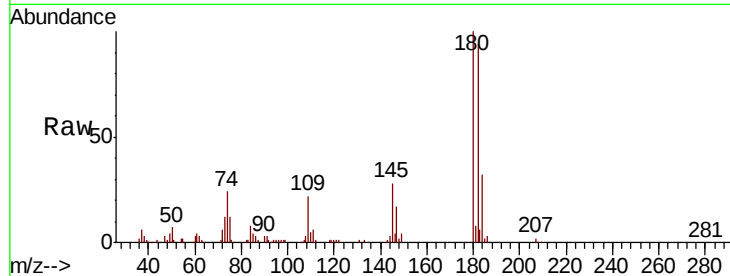




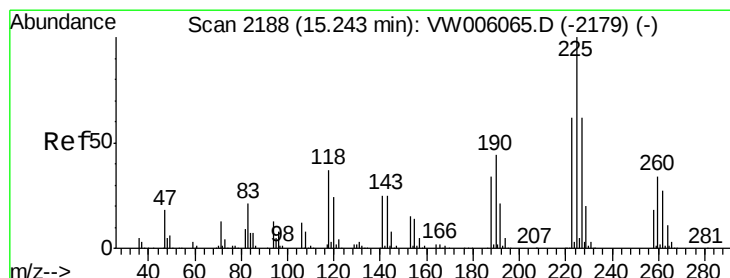
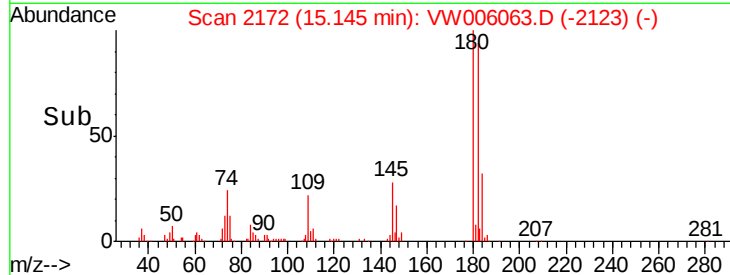
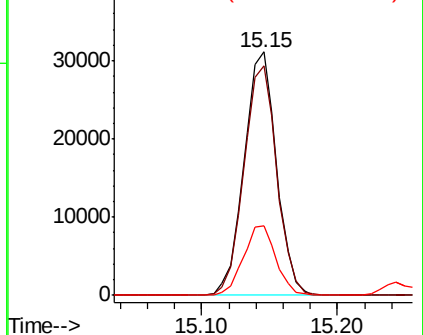
#93
 1,2,4-Trichlorobenzene
 Concen: 11.139 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 51897
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.9 143.6
 145 28.8 14.2 42.8

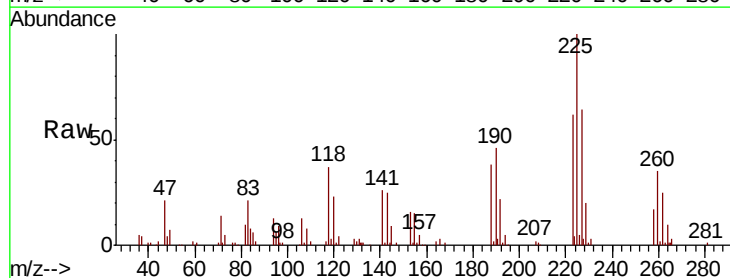


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

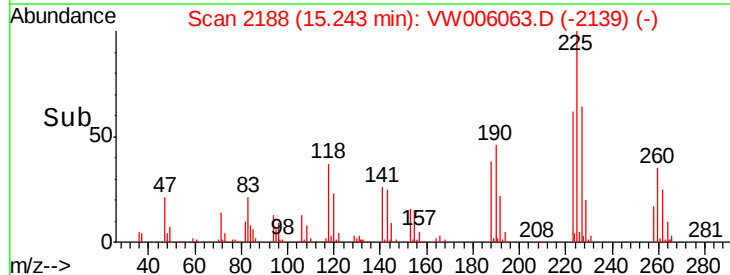
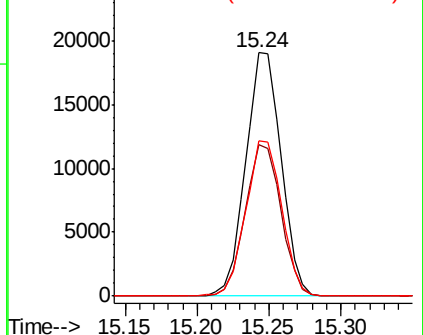


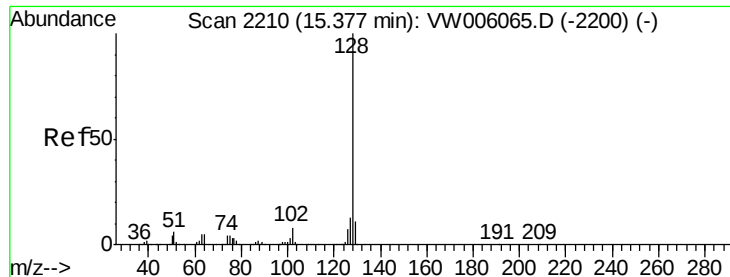
#94
 Hexachlorobutadiene
 Concen: 11.115 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006063.D
 Acq: 15 Oct 2018 17:19

Tgt Ion:225 Resp: 32341
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.5
 227 64.7 32.4 97.0



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: 10.665 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

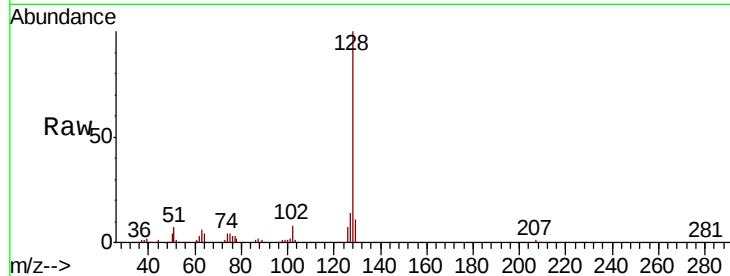
Tgt Ion:128 Resp: 85384

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

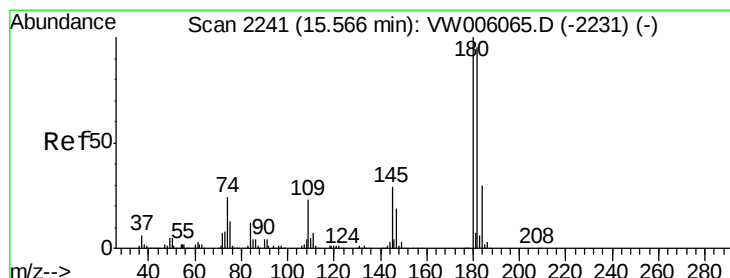
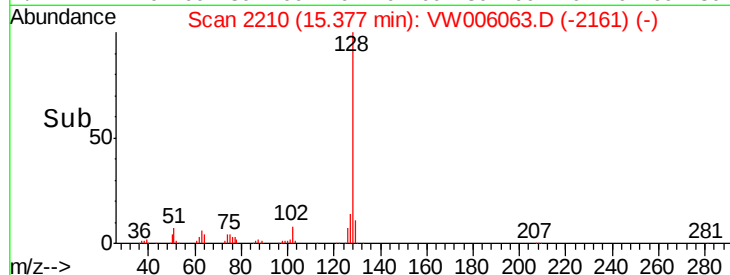
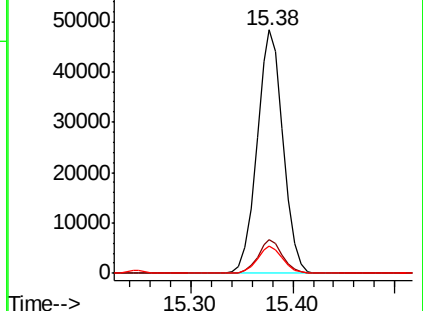
129 10.8 8.7 13.1



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: 11.058 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006063.D

Acq: 15 Oct 2018 17:19

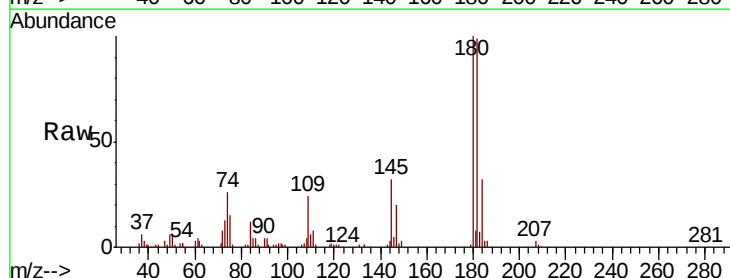
Tgt Ion:180 Resp: 44629

Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.3

145 30.9 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

