

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006522.D
 Acq On : 31 Oct 2018 13:35
 Operator : SY/AP
 Sample : VW1101SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Quant Time: Oct 31 15:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	126020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	171215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	158560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	91310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	79872	76.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.90%	
35) Dibromofluoromethane	7.88	113	87742	86.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	173.46%	
50) Toluene-d8	10.33	98	325069	84.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.90%	
62) 4-Bromofluorobenzene	12.62	95	122519	84.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	17884	28.68	ug/l	93
3) Chloromethane	2.22	50	25759	32.09	ug/l	98
4) Vinyl Chloride	2.37	62	38746	33.80	ug/l	99
5) Bromomethane	2.79	94	35820	34.35	ug/l	96
6) Chloroethane	2.93	64	28832	35.09	ug/l	96
7) Trichlorofluoromethane	3.26	101	41366	38.73	ug/l	96
8) Diethyl Ether	3.68	74	21533	37.94	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42460	37.94	ug/l	99
10) Methyl Iodide	4.27	142	67678	36.33	ug/l	99
11) Tert butyl alcohol	5.22	59	11210	159.54	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	38287	36.36	ug/l	93
13) Acrolein	3.90	56	10801	158.86	ug/l	97
14) Allyl chloride	4.67	41	50301	33.41	ug/l	98
15) Acrylonitrile	5.38	53	35321	173.51	ug/l	99
16) Acetone	4.14	43	41775	210.81	ug/l	97
17) Carbon Disulfide	4.37	76	98507	31.00	ug/l	99
18) Methyl Acetate	4.68	43	18190	34.60	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	55910	34.86	ug/l	99
20) Methylene Chloride	4.92	84	46912	42.18	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	43647	37.14	ug/l	97
22) Diisopropyl ether	6.32	45	107247	36.05	ug/l	98
23) Vinyl Acetate	6.26	43	280678	159.86	ug/l	98
24) 1,1-Dichloroethane	6.22	63	71659	37.33	ug/l	100
25) 2-Butanone	7.18	43	50120	177.58	ug/l	99
26) 2,2-Dichloropropane	7.17	77	51280	37.87	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	48490	37.39	ug/l	99
28) Bromochloromethane	7.51	49	23551	31.78	ug/l	94
29) Tetrahydrofuran	7.54	42	27617	159.19	ug/l	97
30) Chloroform	7.68	83	79599	38.06	ug/l	98
31) Cyclohexane	7.96	56	63271	33.10	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	70624	37.43	ug/l	99
36) 1,1-Dichloropropene	8.09	75	63086	39.98	ug/l	99
37) Ethyl Acetate	7.26	43	20404	34.80	ug/l	99
38) Carbon Tetrachloride	8.07	117	67810	39.20	ug/l	99

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VW1101SBSD01

Quant Time: Oct 31 15:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78328	37.34	ug/l	98
40) Benzene	8.33	78	173296	40.03	ug/l	100
41) Methacrylonitrile	7.49	41	11930	33.75	ug/l	96
42) 1,2-Dichloroethane	8.40	62	48860	38.42	ug/l	100
43) Isopropyl Acetate	8.43	43	38164	31.83	ug/l	97
44) Trichloroethene	9.10	130	52961	39.88	ug/l	98
45) 1,2-Dichloropropane	9.37	63	40252	38.86	ug/l	99
46) Dibromomethane	9.46	93	22753	38.54	ug/l	98
47) Bromodichloromethane	9.65	83	53394	37.30	ug/l	99
48) Methyl methacrylate	9.44	41	18532	32.61	ug/l	94
49) 1,4-Dioxane	9.48	88	6658	732.53	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	100623	167.52	ug/l	98
52) Toluene	10.39	92	114755	39.54	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	51733	36.27	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	61345	37.48	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	32908	39.83	ug/l	96
56) Ethyl methacrylate	10.65	69	34183	33.75	ug/l	95
57) 1,3-Dichloropropane	10.94	76	51945	37.98	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	71321	184.28	ug/l	98
59) 2-Hexanone	10.98	43	74841	174.55	ug/l	97
60) Dibromochloromethane	11.13	129	37875	36.80	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31919	38.66	ug/l	99
64) Tetrachloroethene	10.87	164	49531	40.24	ug/l	99
65) Chlorobenzene	11.66	112	135198	39.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	46768	38.77	ug/l	98
67) Ethyl Benzene	11.74	91	229280	38.98	ug/l	100
68) m/p-Xylenes	11.84	106	184551	79.38	ug/l	98
69) o-Xylene	12.17	106	86500	39.04	ug/l	96
70) Styrene	12.19	104	138755	38.51	ug/l	99
71) Bromoform	12.35	173	22952	34.11	ug/l #	99
73) Isopropylbenzene	12.47	105	244336	37.88	ug/l	100
74) N-amyl acetate	12.28	43	37444	29.89	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	35671	36.36	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	44194	63.37	ug/l #	100
77) Bromobenzene	12.75	156	60549	38.32	ug/l	98
78) n-propylbenzene	12.81	91	286610	38.19	ug/l	100
79) 2-Chlorotoluene	12.90	91	159795	37.90	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	207967	38.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8985	30.80	ug/l	94
82) 4-Chlorotoluene	12.99	91	170973	38.71	ug/l	100
83) tert-Butylbenzene	13.21	119	184572	37.93	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	211258	38.39	ug/l	99
85) sec-Butylbenzene	13.39	105	264428	38.47	ug/l	99
86) p-Isopropyltoluene	13.51	119	240607	38.70	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	124481	39.59	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	123209	39.35	ug/l	98
89) n-Butylbenzene	13.83	91	218499	38.43	ug/l	99
90) Hexachloroethane	14.10	117	38802	36.85	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	109120	38.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5333	30.36	ug/l	92

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ClientSampleId :
VW1101SBSD01

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

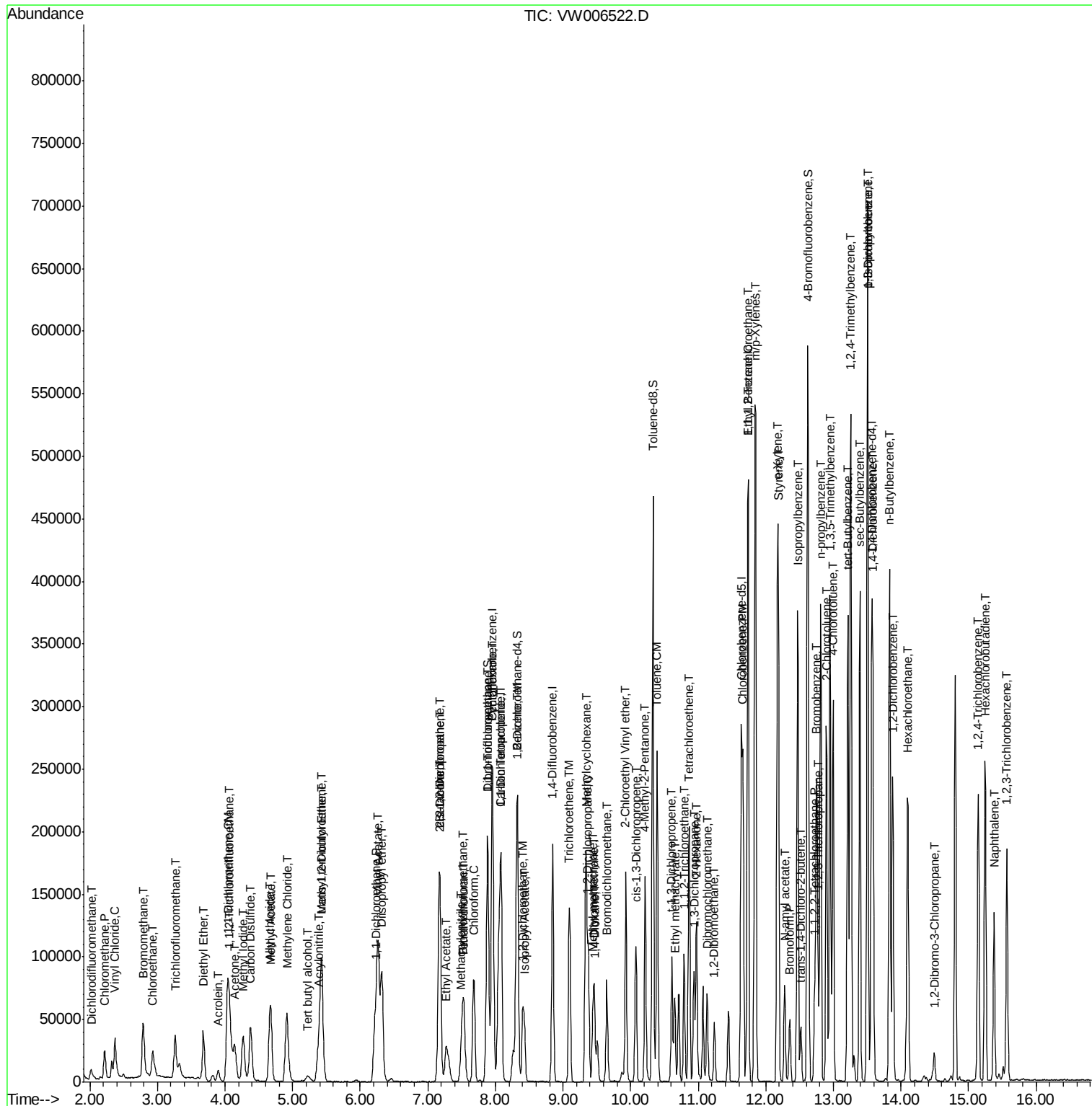
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	82379	38.17	ug/l	100
94) Hexachlorobutadiene	15.24	225	55138	40.67	ug/l	99
95) Naphthalene	15.38	128	121695	33.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	71083	38.08	ug/l	99

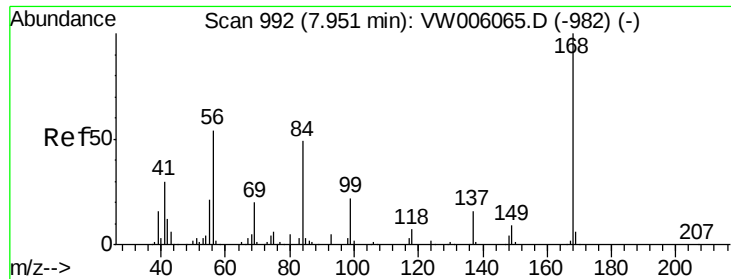
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

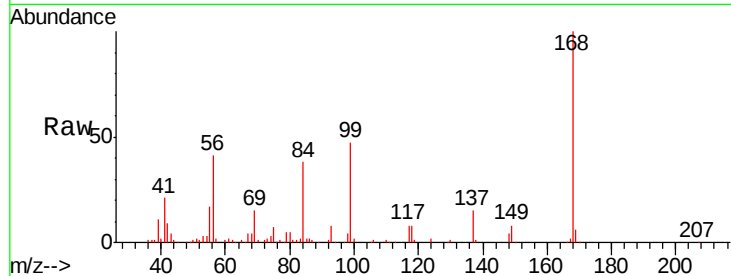
VW1101SBSD01

Tgt Ion:168 Resp: 126020

Ion Ratio Lower Upper

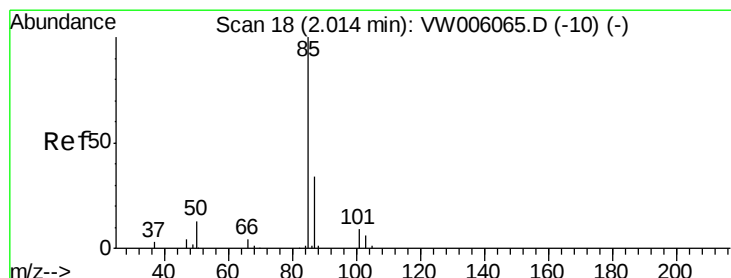
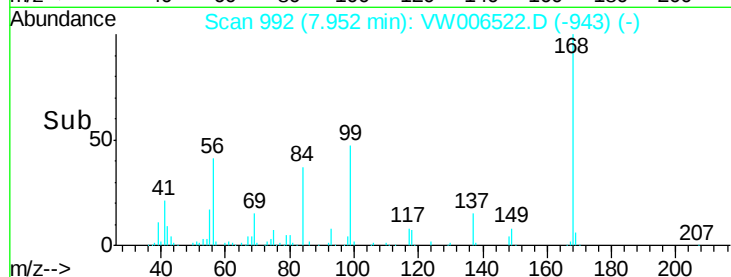
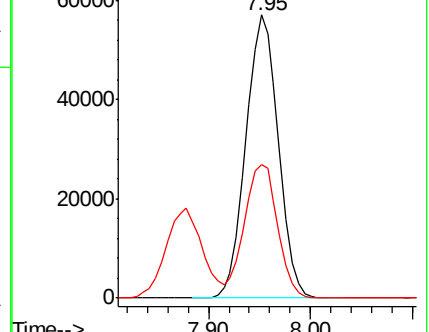
168 100

99 47.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 28.68 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW006522.D

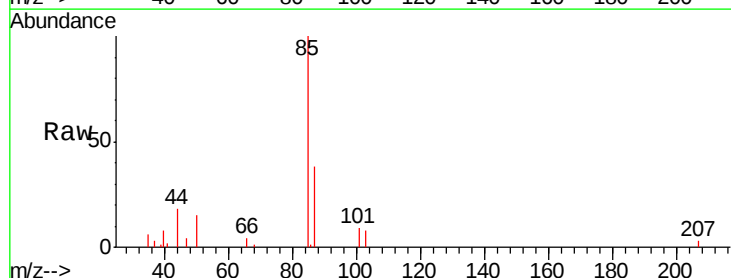
Acq: 31 Oct 2018 13:35

Tgt Ion: 85 Resp: 17884

Ion Ratio Lower Upper

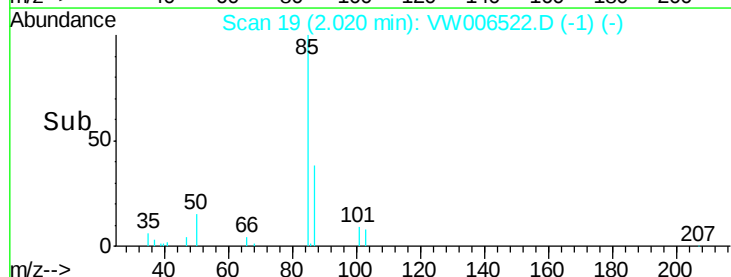
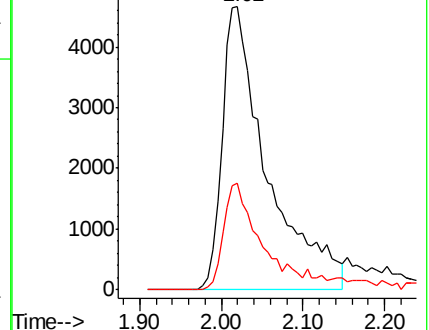
85 100

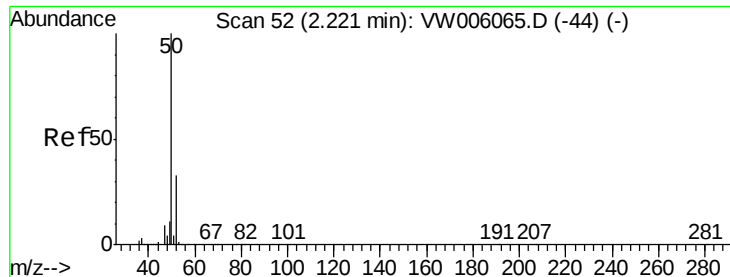
87 37.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 32.09 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

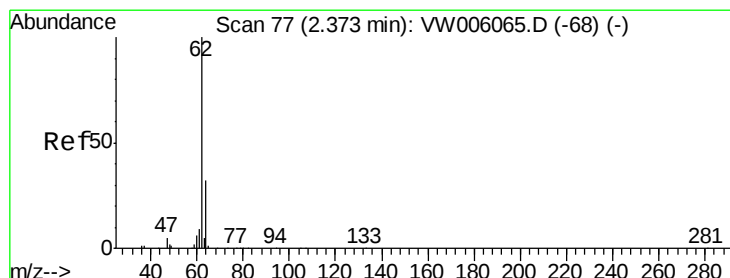
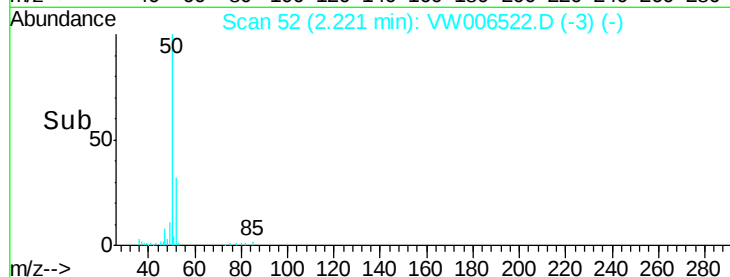
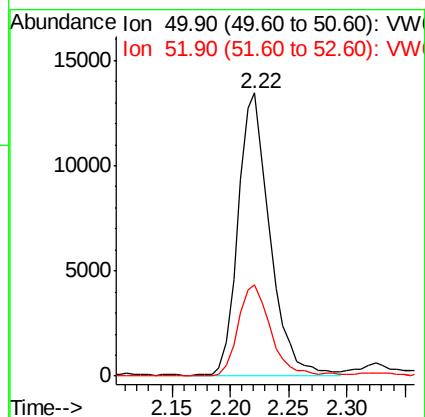
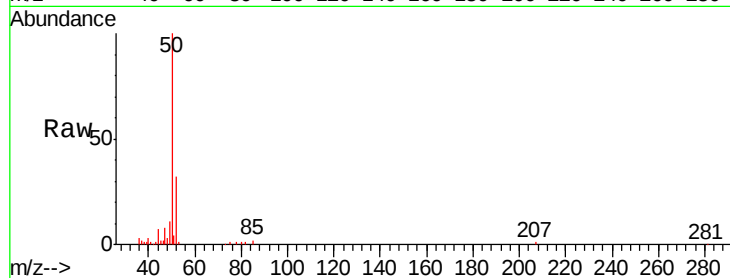
VW1101SBSD01

Tgt Ion: 50 Resp: 25759

Ion Ratio Lower Upper

50 100

52 32.5 26.8 40.2



#4

Vinyl Chloride

Concen: 33.80 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006522.D

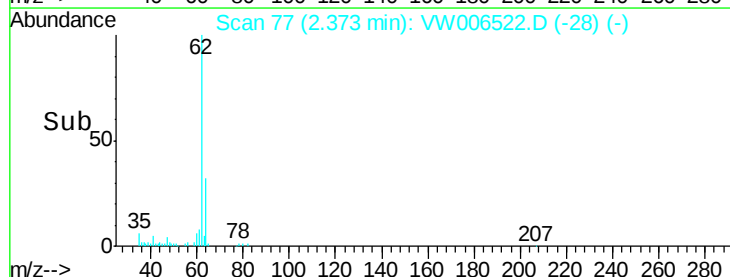
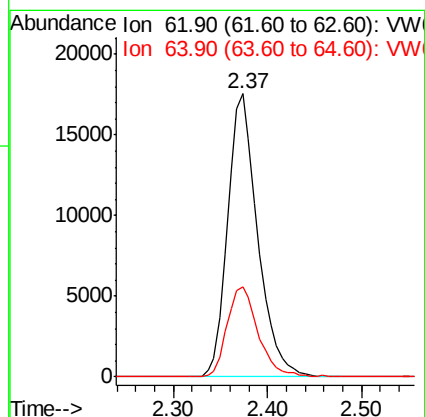
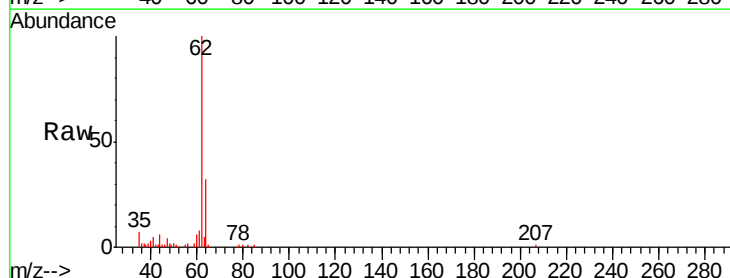
Acq: 31 Oct 2018 13:35

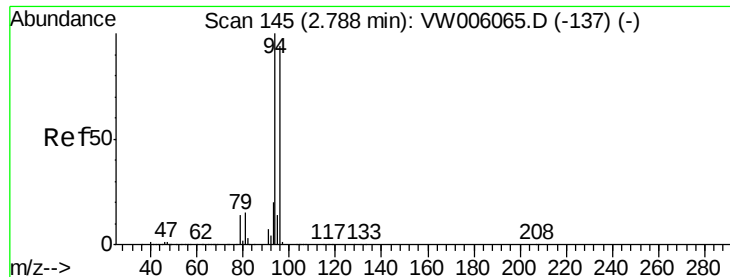
Tgt Ion: 62 Resp: 38746

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 34.35 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

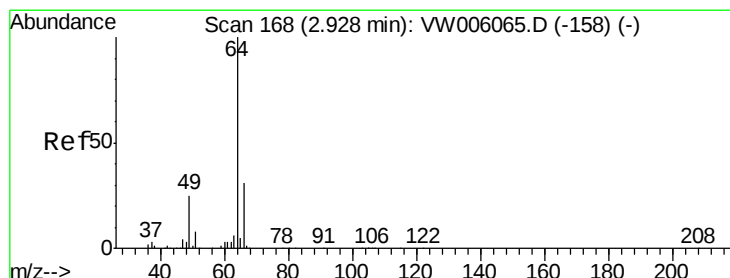
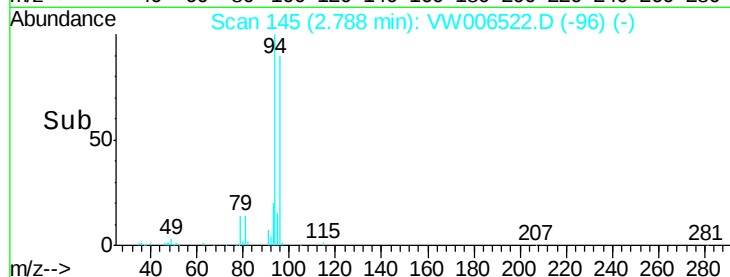
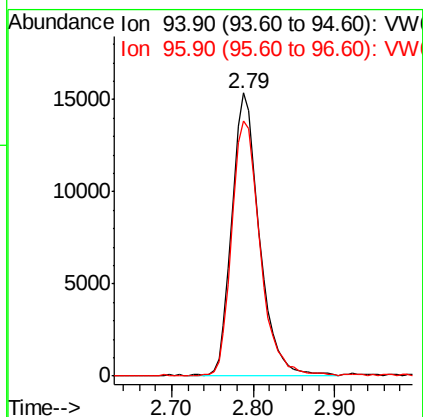
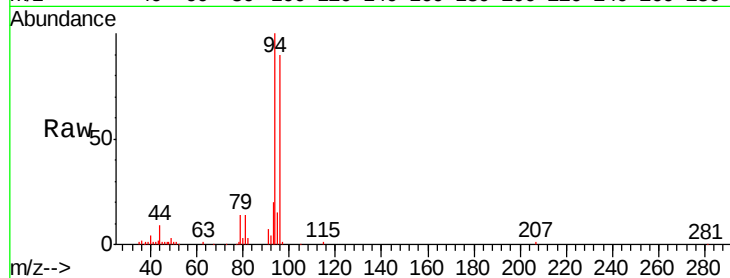
VW1101SBSD01

Tgt Ion: 94 Resp: 35820

Ion Ratio Lower Upper

94 100

96 90.2 74.9 112.3



#6

Chloroethane

Concen: 35.09 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006522.D

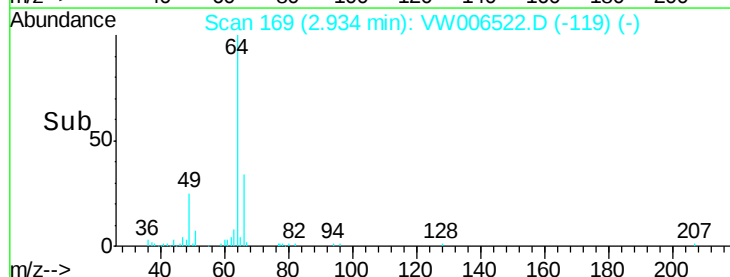
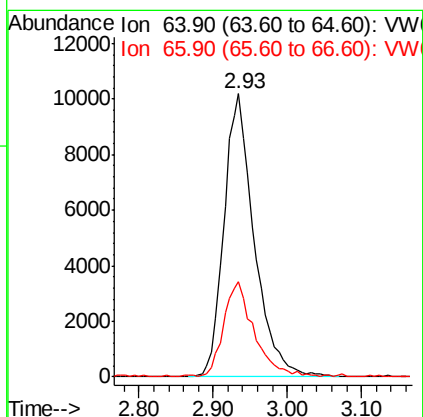
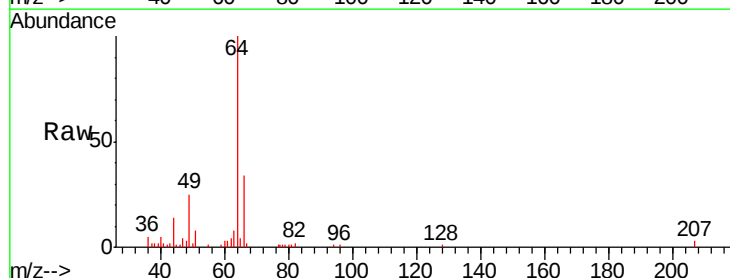
Acq: 31 Oct 2018 13:35

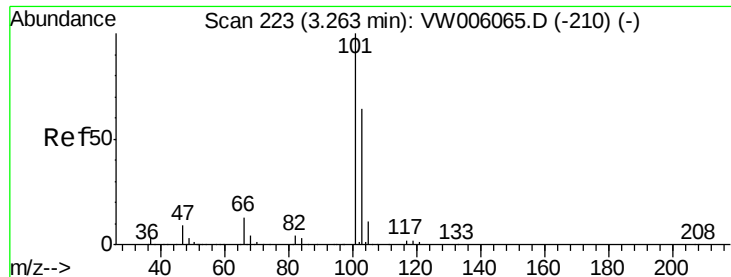
Tgt Ion: 64 Resp: 28832

Ion Ratio Lower Upper

64 100

66 33.3 24.9 37.3





#7

Trichlorofluoromethane

Concen: 38.73 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

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ClientSampleId :

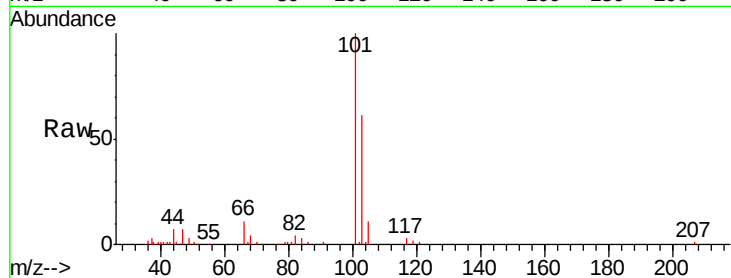
VW1101SBSD01

Tgt Ion:101 Resp: 41366

Ion Ratio Lower Upper

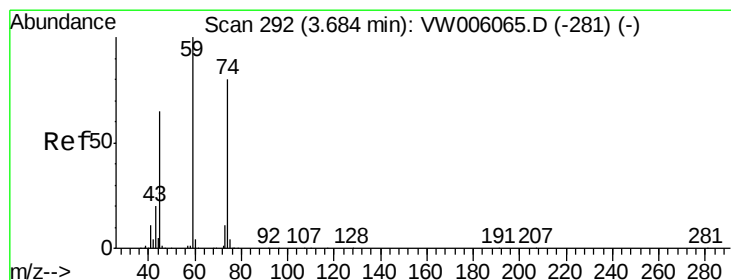
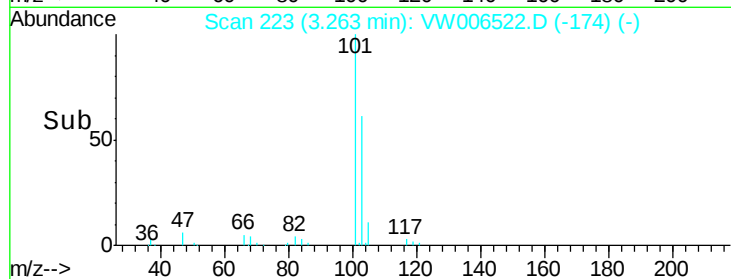
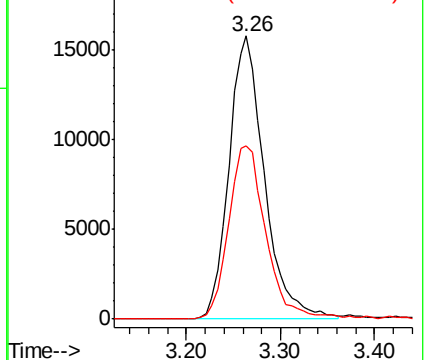
101 100

103 61.1 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 37.94 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW006522.D

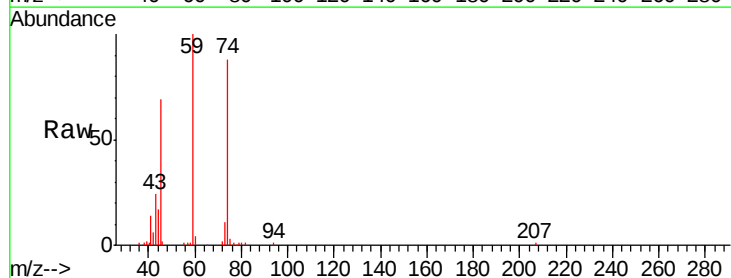
Acq: 31 Oct 2018 13:35

Tgt Ion: 74 Resp: 21533

Ion Ratio Lower Upper

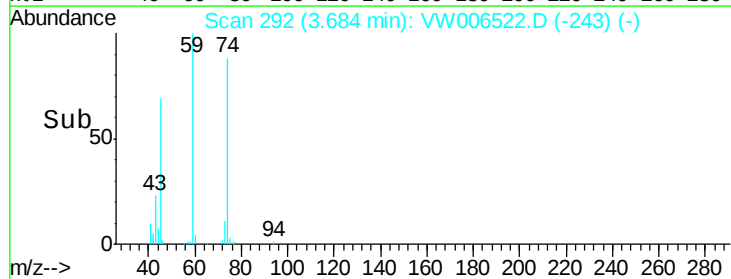
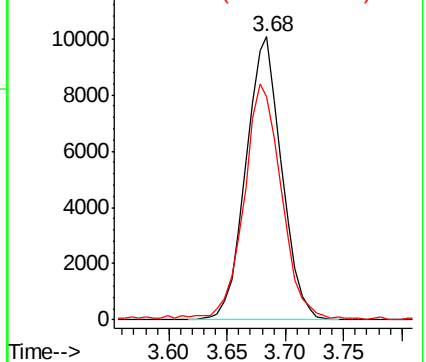
74 100

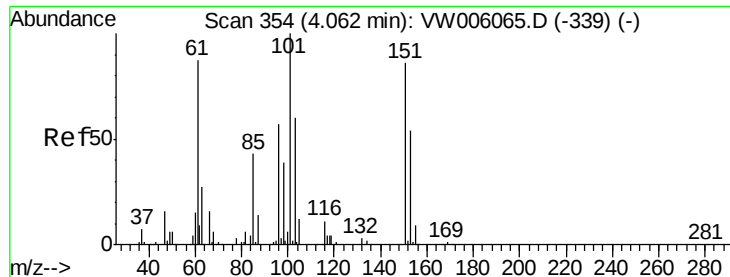
45 88.0 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.94 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

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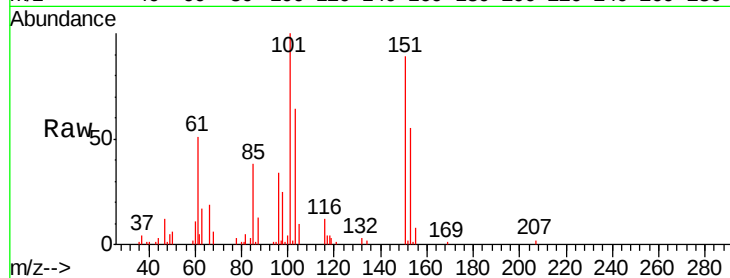
Tgt Ion:101 Resp: 42460

Ion Ratio Lower Upper

101 100

85 42.3 34.9 52.3

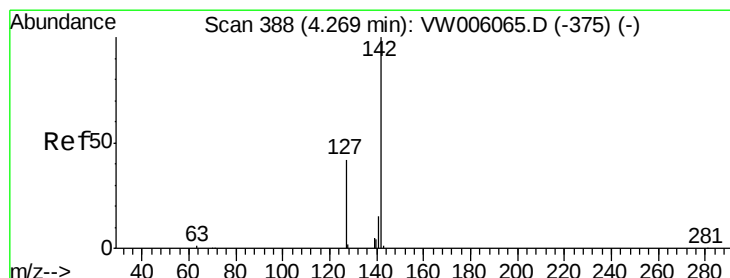
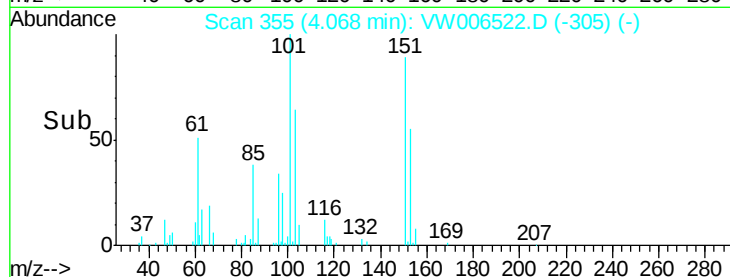
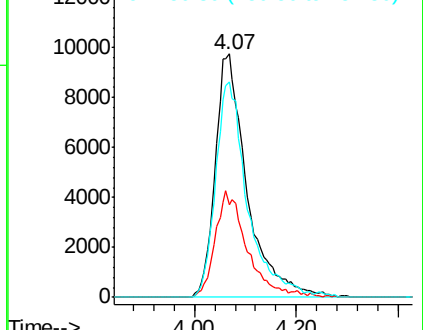
151 88.2 70.4 105.6



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: 36.33 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

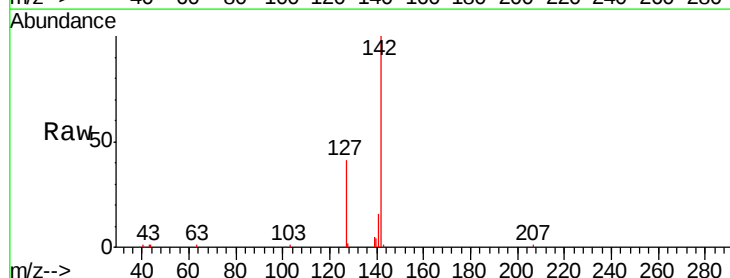
Tgt Ion:142 Resp: 67678

Ion Ratio Lower Upper

142 100

127 41.3 33.6 50.4

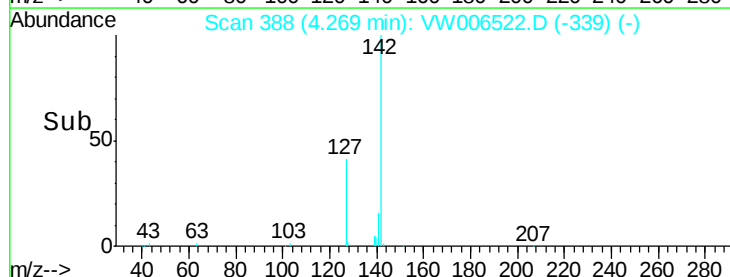
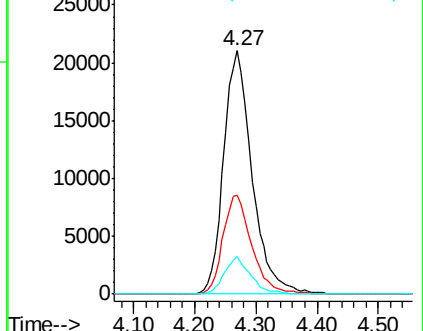
141 14.2 11.6 17.4

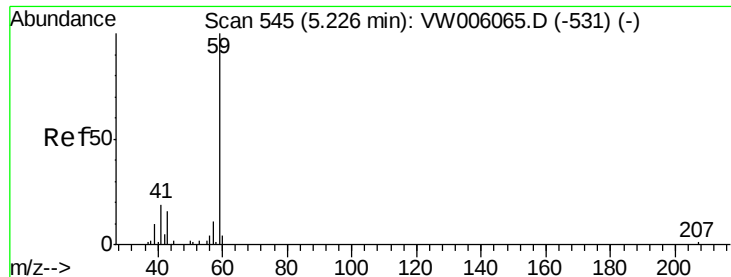


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



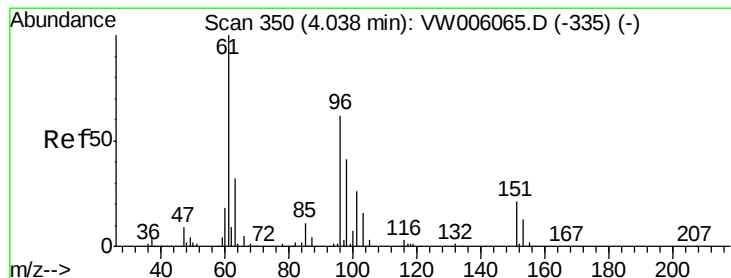
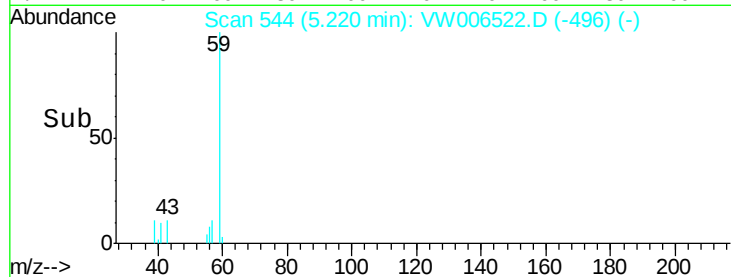
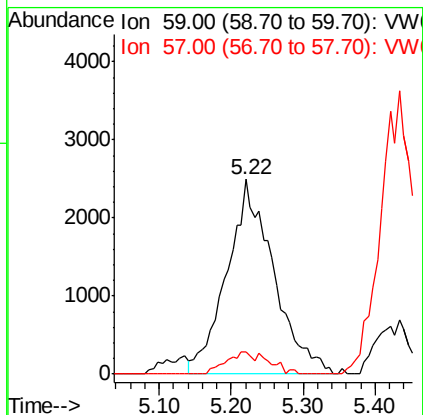
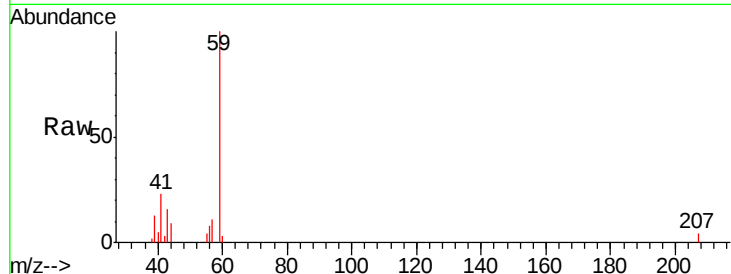


#11

Tert butyl alcohol
Concen: 159.54 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

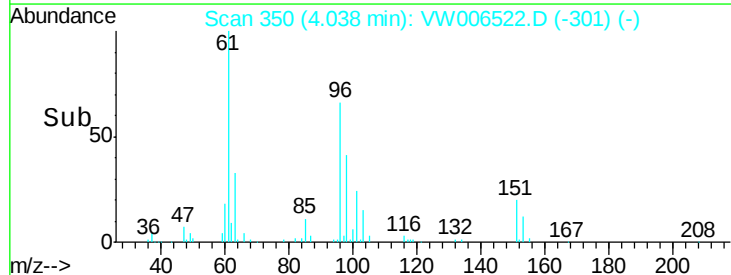
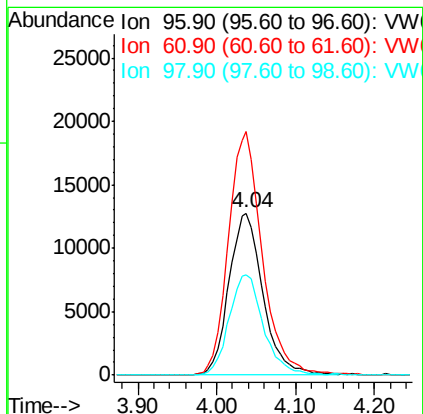
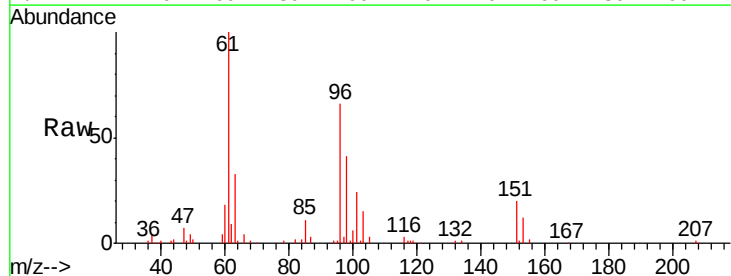
Tgt Ion: 59 Resp: 11210
Ion Ratio Lower Upper
59 100
57 6.5 8.7 13.1#

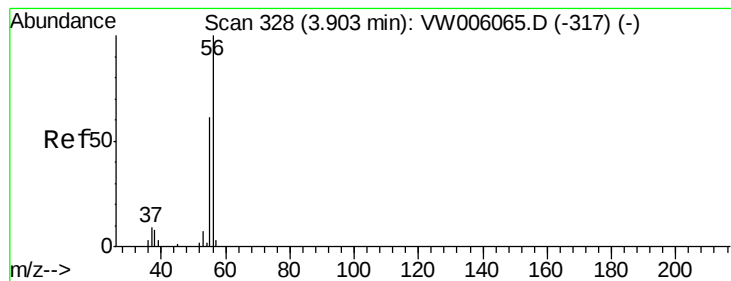


#12

1,1-Dichloroethene
Concen: 36.36 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 96 Resp: 38287
Ion Ratio Lower Upper
96 100
61 150.5 129.3 193.9
98 62.3 53.1 79.7





#13

Acrolein

Concen: 158.86 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

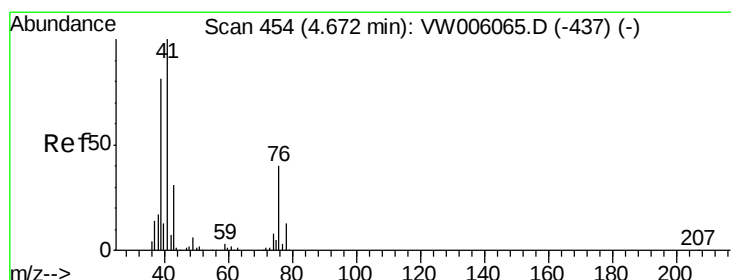
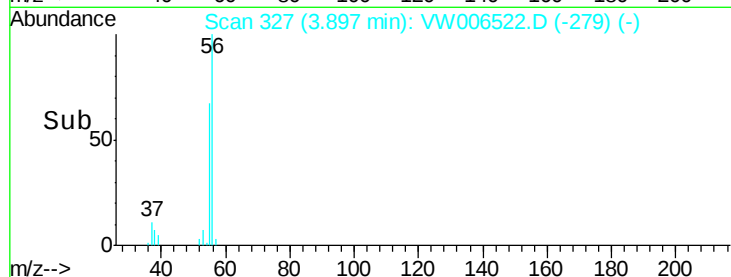
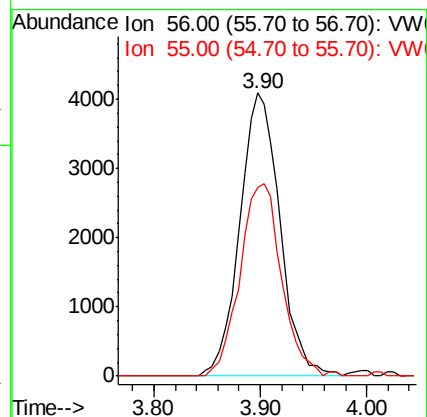
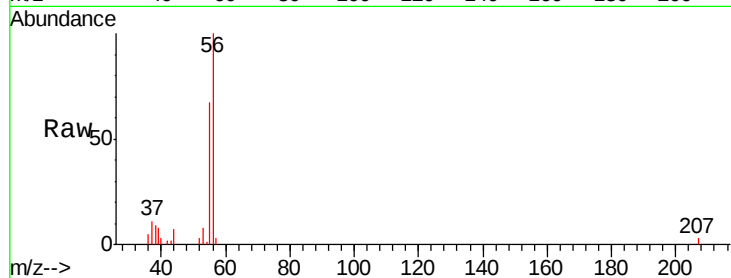
VW1101SBSD01

Tgt Ion: 56 Resp: 10801

Ion Ratio Lower Upper

56 100

55 70.4 54.5 81.7



#14

Allyl chloride

Concen: 33.41 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

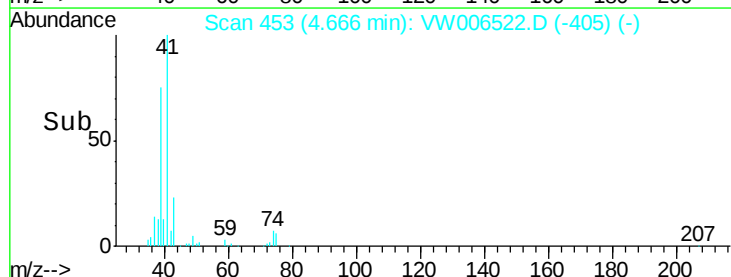
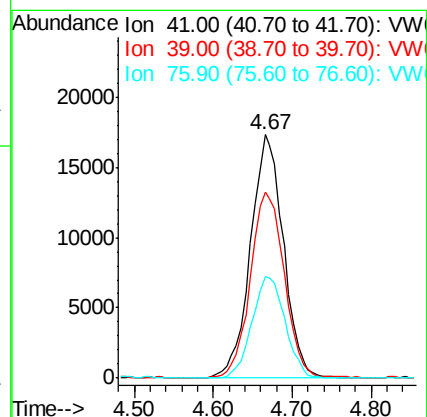
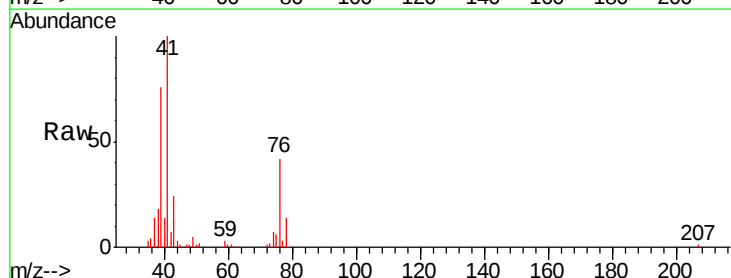
Tgt Ion: 41 Resp: 50301

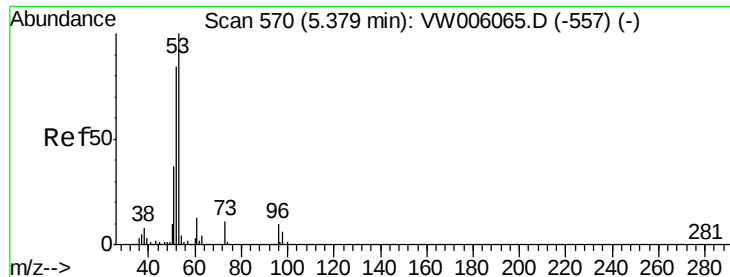
Ion Ratio Lower Upper

41 100

39 78.9 64.1 96.1

76 41.9 32.2 48.4





#15

Acrylonitrile

Concen: 173.51 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

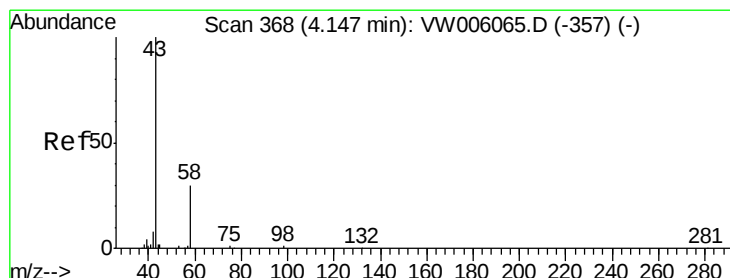
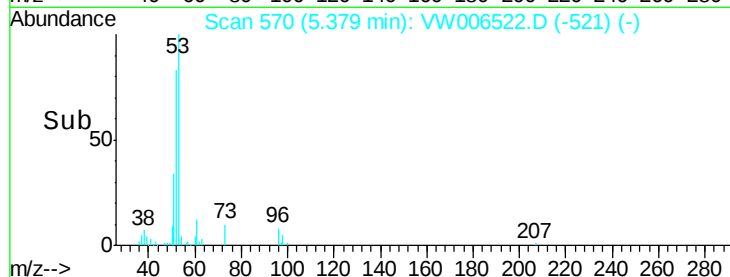
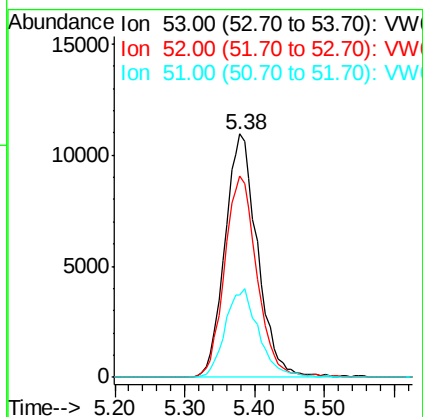
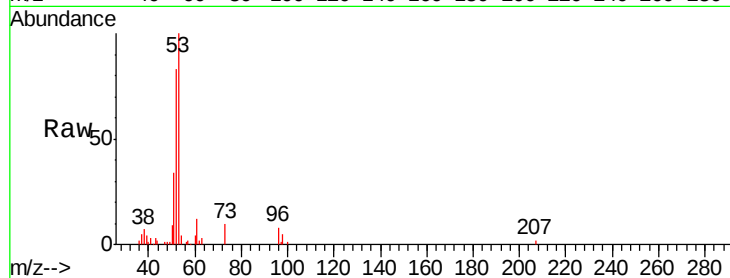
Tgt Ion: 53 Resp: 35321

Ion Ratio Lower Upper

53 100

52 82.4 66.9 100.3

51 37.4 30.1 45.1



#16

Acetone

Concen: 210.81 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006522.D

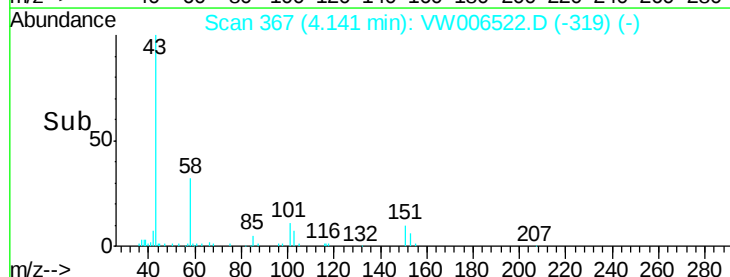
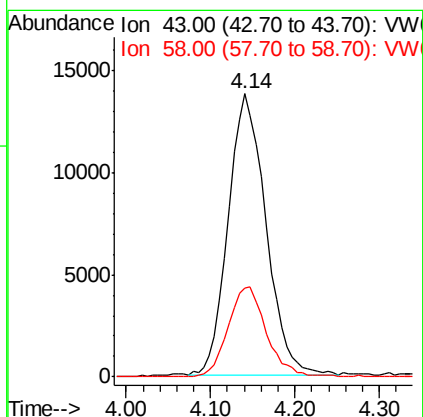
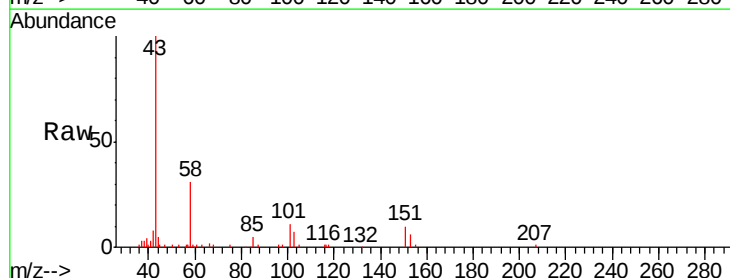
Acq: 31 Oct 2018 13:35

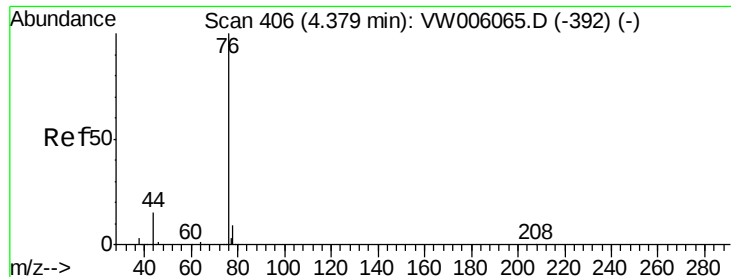
Tgt Ion: 43 Resp: 41775

Ion Ratio Lower Upper

43 100

58 31.6 24.0 36.0





#17

Carbon Disulfide

Concen: 31.00 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

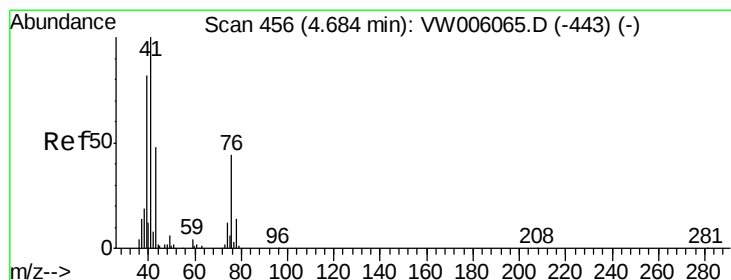
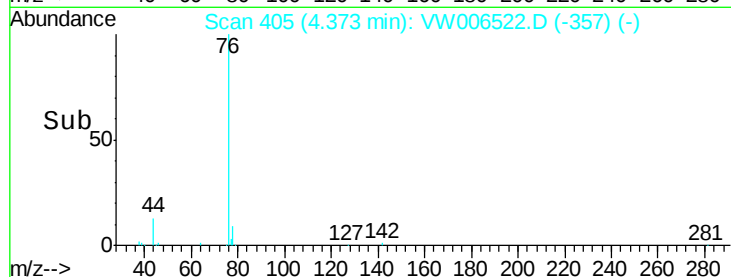
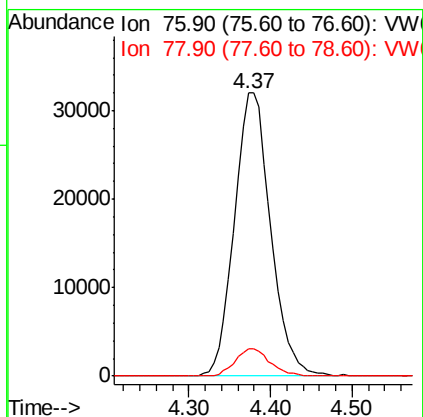
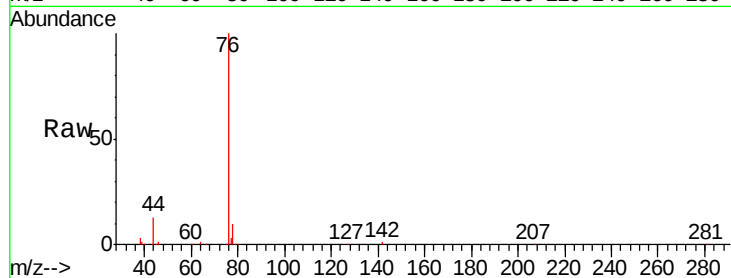
VW1101SBSD01

Tgt Ion: 76 Resp: 98507

Ion Ratio Lower Upper

76 100

78 9.8 7.5 11.3



#18

Methyl Acetate

Concen: 34.60 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006522.D

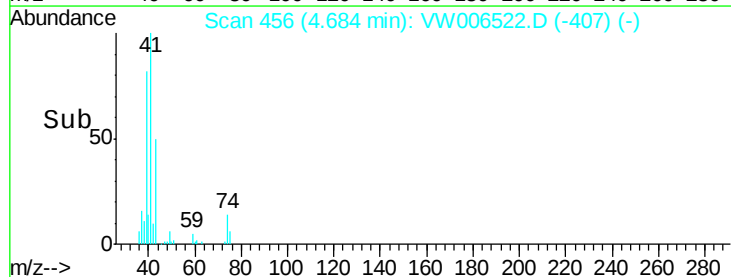
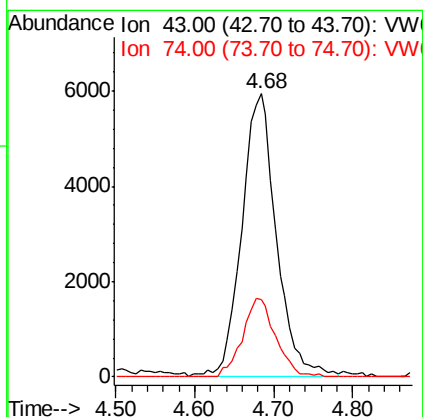
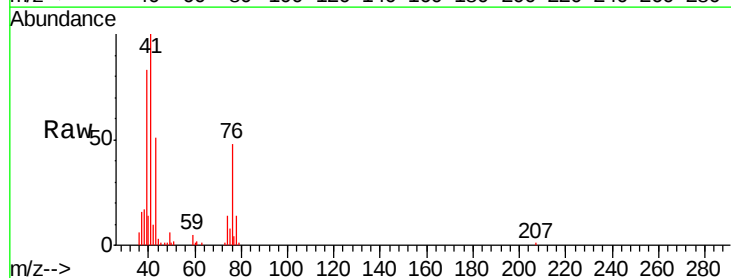
Acq: 31 Oct 2018 13:35

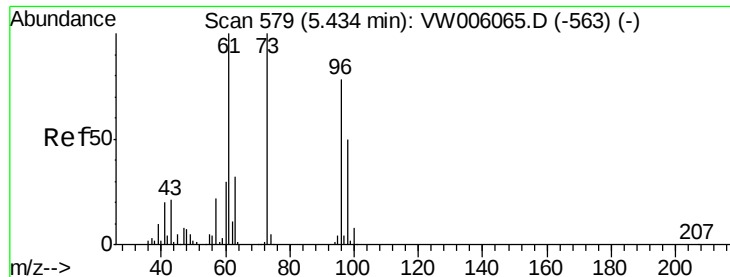
Tgt Ion: 43 Resp: 18190

Ion Ratio Lower Upper

43 100

74 26.6 20.5 30.7

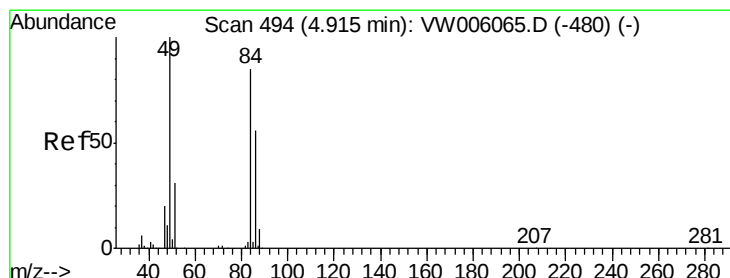
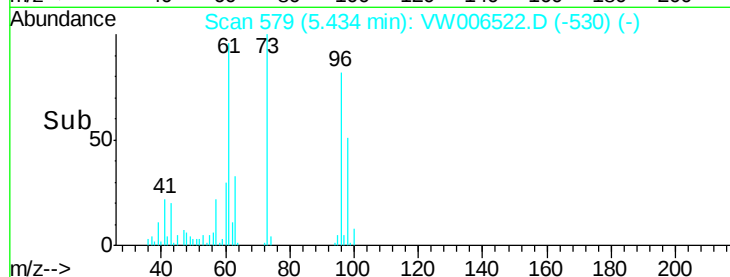
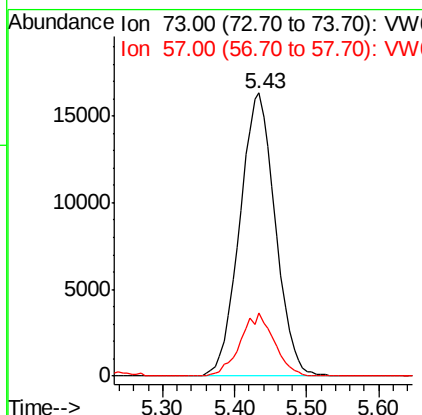
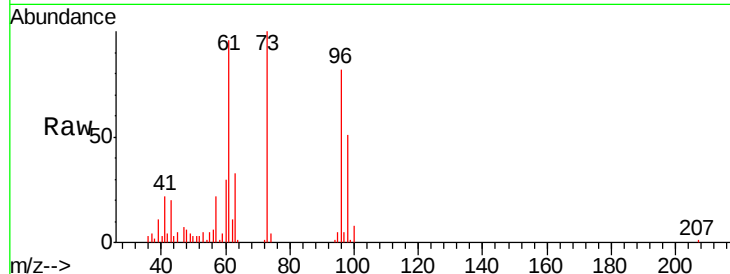




#19
Methyl tert-butyl Ether
Concen: 34.86 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

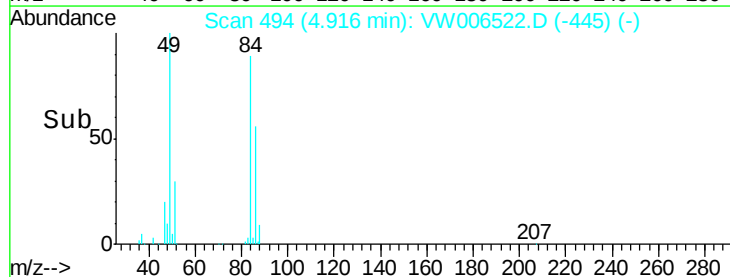
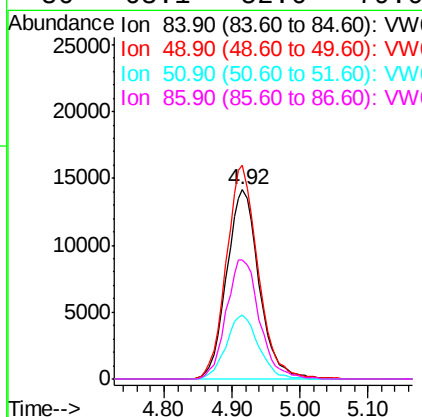
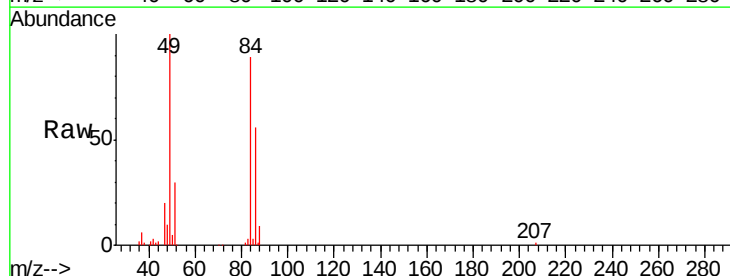
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

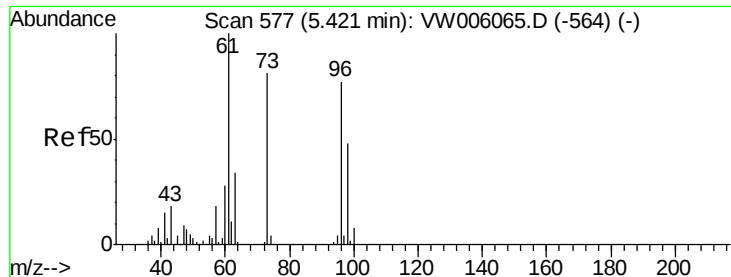
Tgt Ion: 73 Resp: 55910
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.2



#20
Methylene Chloride
Concen: 42.18 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 84 Resp: 46912
Ion Ratio Lower Upper
84 100
49 112.8 93.6 140.4
51 33.6 29.0 43.4
86 63.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 37.14 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

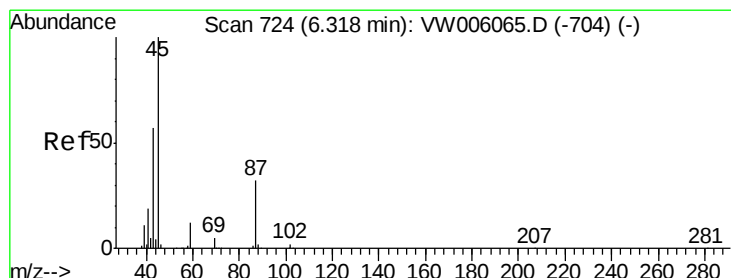
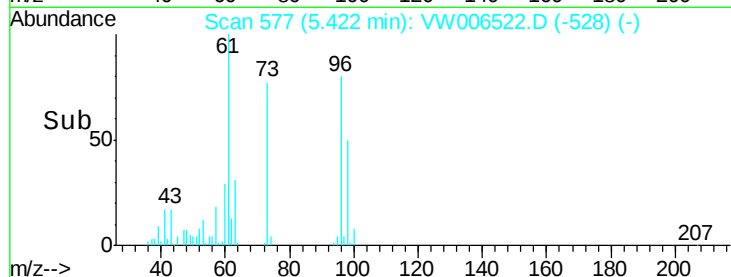
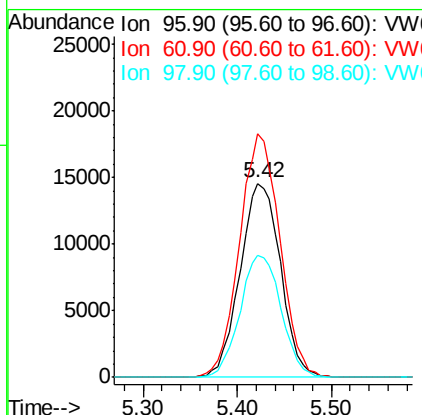
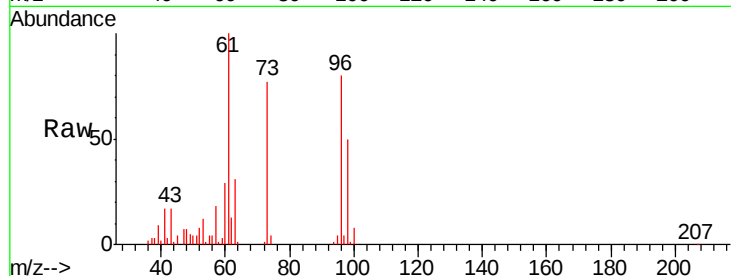
Tgt Ion: 96 Resp: 43647

Ion Ratio Lower Upper

96 100

61 125.4 104.5 156.7

98 62.7 50.6 75.8



#22

Diisopropyl ether

Concen: 36.05 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion: 45 Resp: 107247

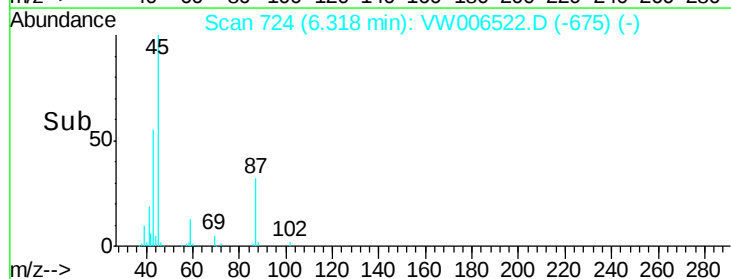
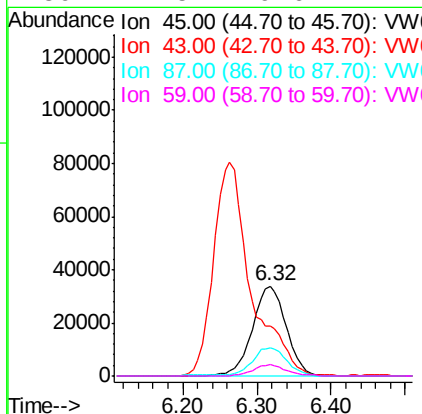
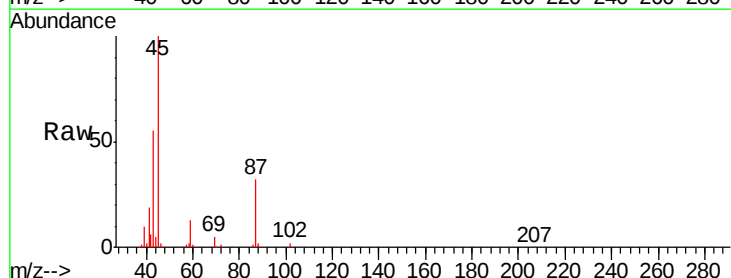
Ion Ratio Lower Upper

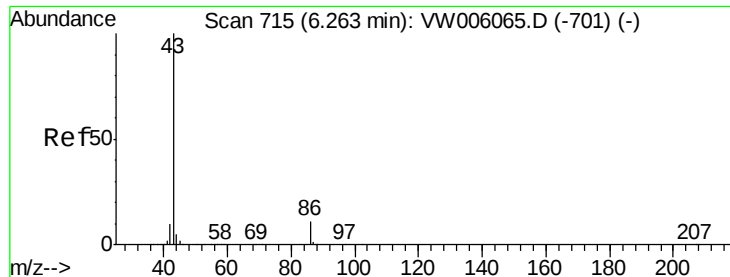
45 100

43 54.6 45.7 68.5

87 31.9 25.9 38.9

59 12.5 9.6 14.4





#23

Vinyl Acetate

Concen: 159.86 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

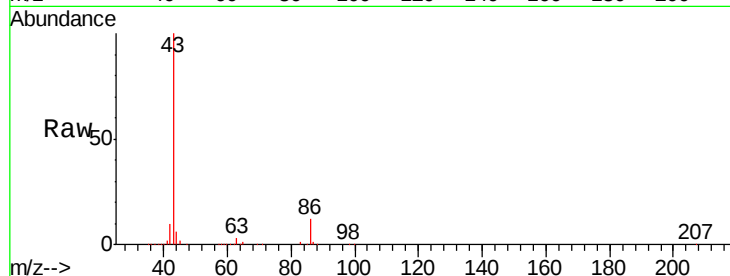
VW1101SBSD01

Tgt Ion: 43 Resp: 280678

Ion Ratio Lower Upper

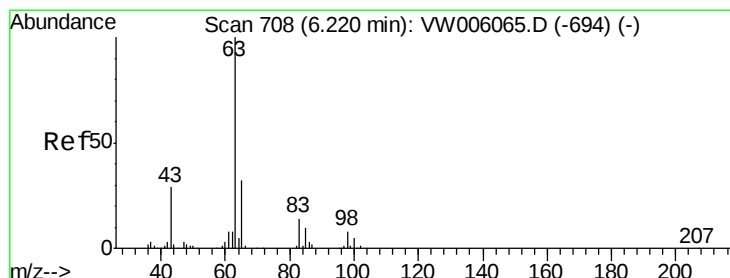
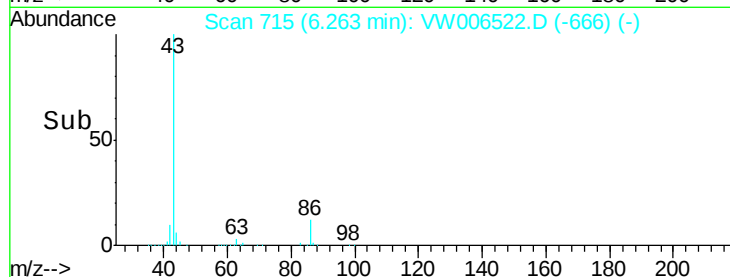
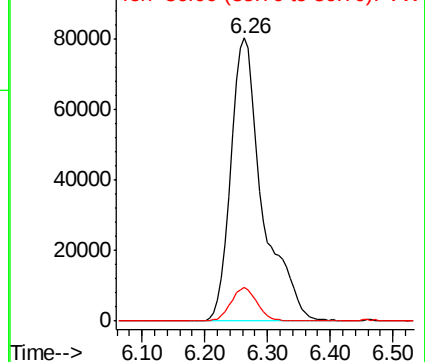
43 100

86 12.0 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 37.33 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

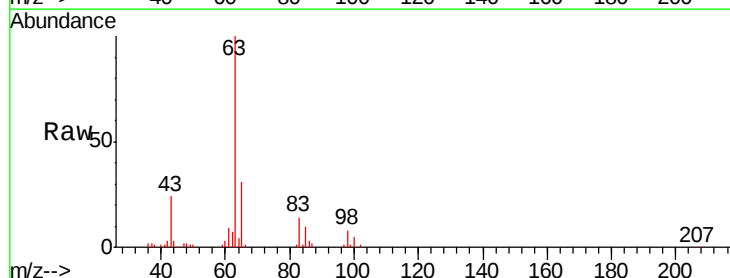
Tgt Ion: 63 Resp: 71659

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

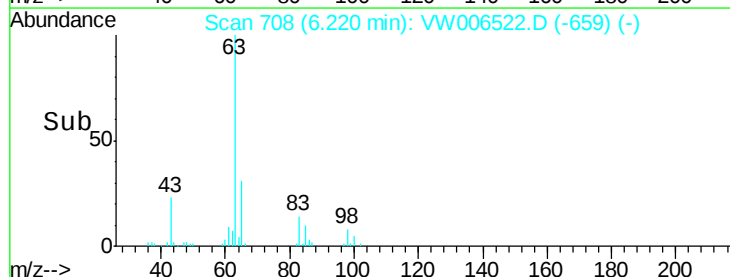
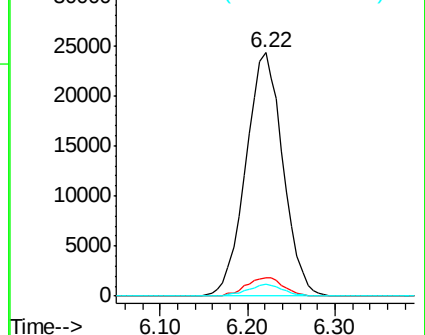
100 5.0 2.5 7.5

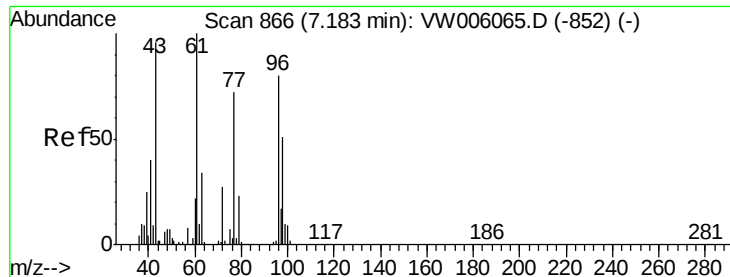


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 177.58 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

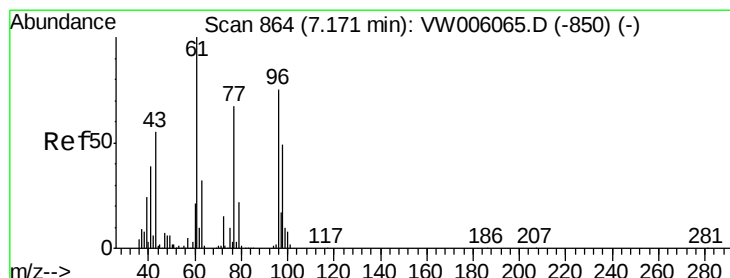
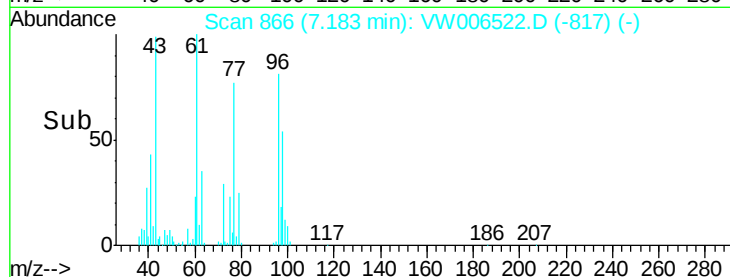
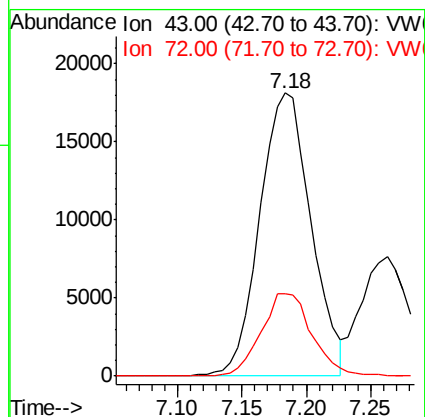
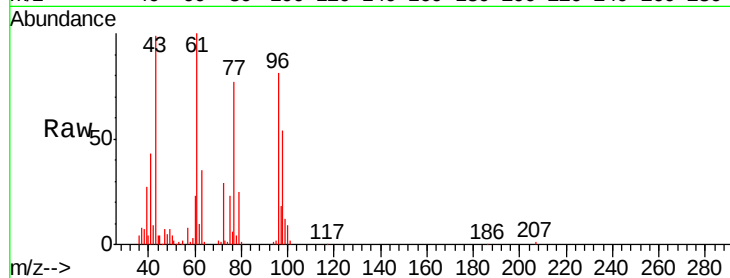
VW1101SBSD01

Tgt Ion: 43 Resp: 50120

Ion Ratio Lower Upper

43 100

72 29.1 22.8 34.2



#26

2,2-Dichloropropane

Concen: 37.87 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006522.D

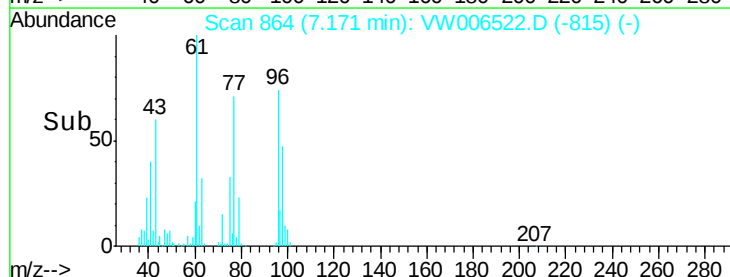
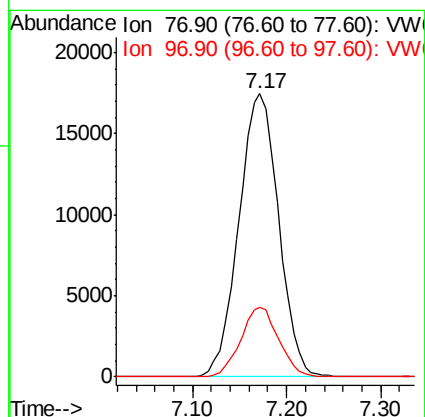
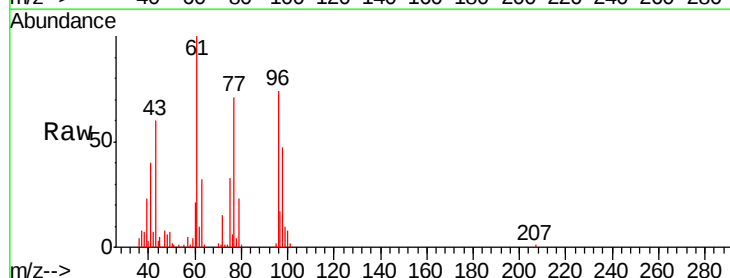
Acq: 31 Oct 2018 13:35

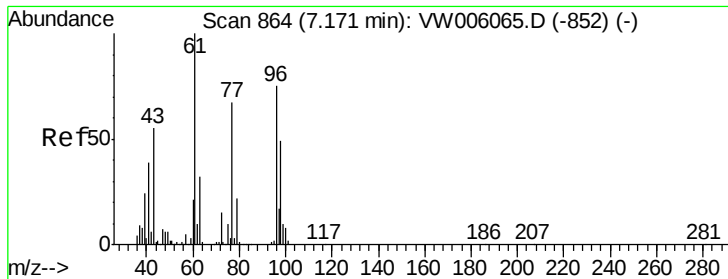
Tgt Ion: 77 Resp: 51280

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.4



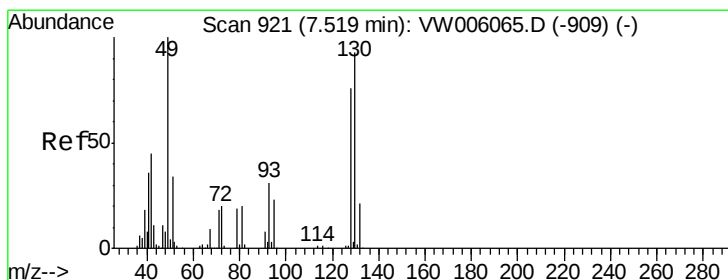
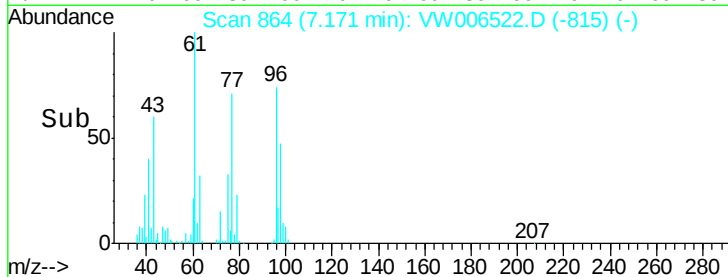
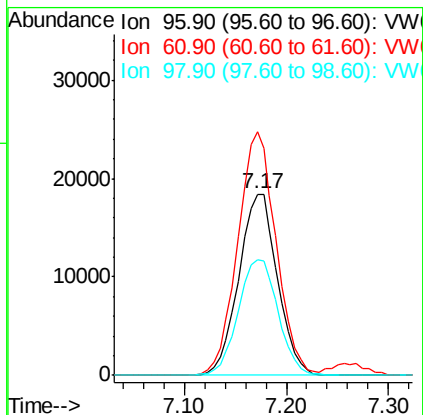
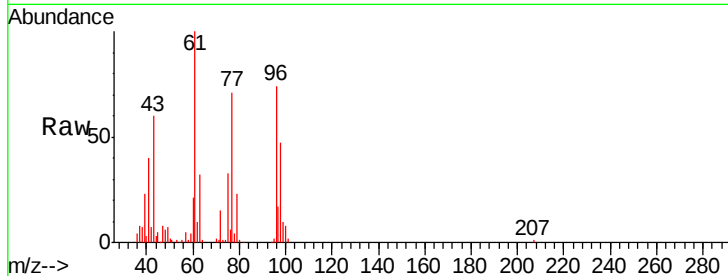


#27

cis-1,2-Dichloroethene
 Concen: 37.39 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

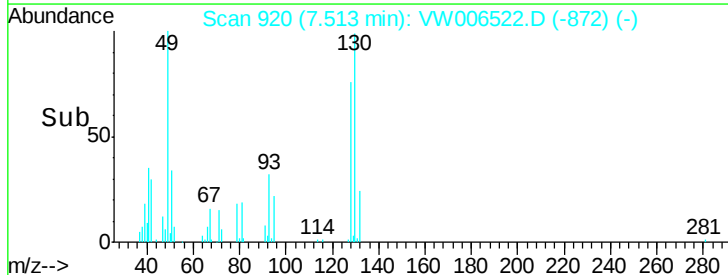
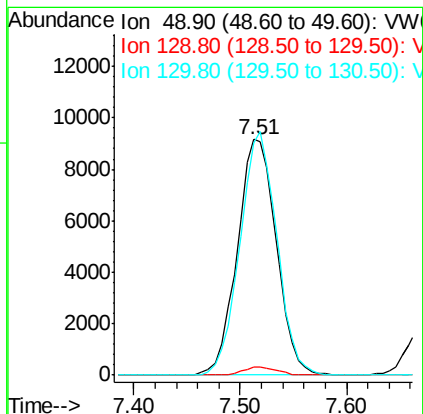
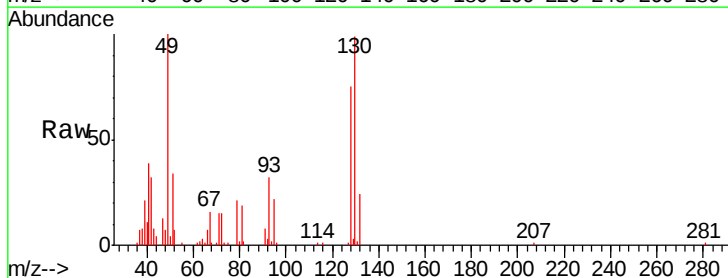
Tgt Ion: 96 Resp: 48490
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 267.2
 98 65.7 0.0 128.6

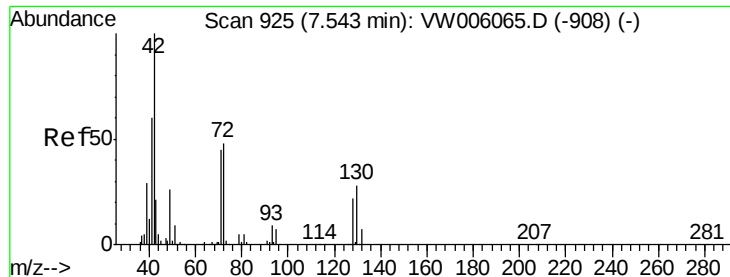


#28

Bromochloromethane
 Concen: 31.78 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion: 49 Resp: 23551
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 5.0
 130 97.8 73.8 110.8





#29

Tetrahydrofuran

Concen: 159.19 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

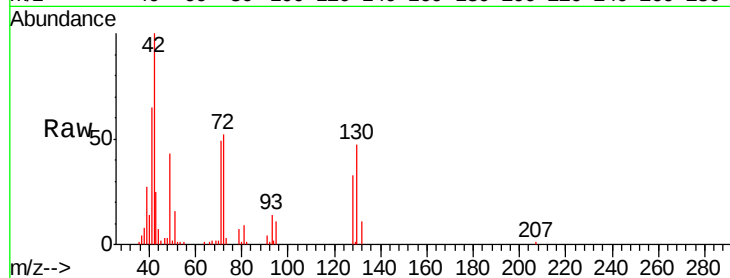
Tgt Ion: 42 Resp: 27617

Ion Ratio Lower Upper

42 100

72 49.6 38.0 57.0

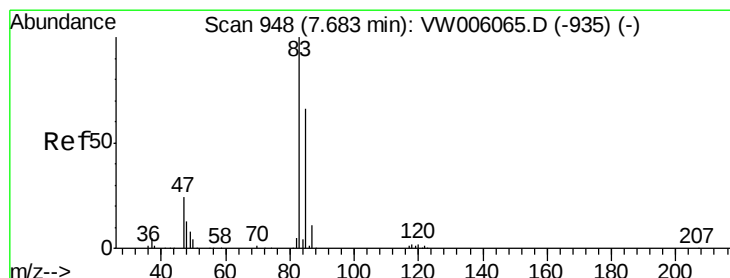
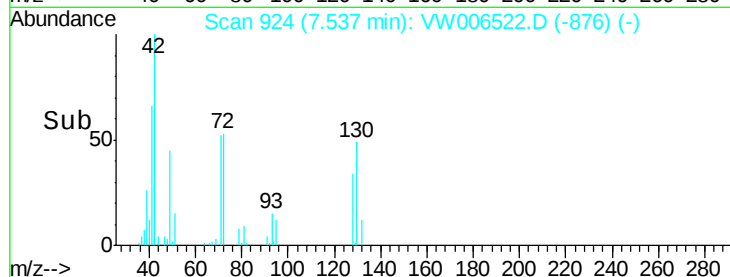
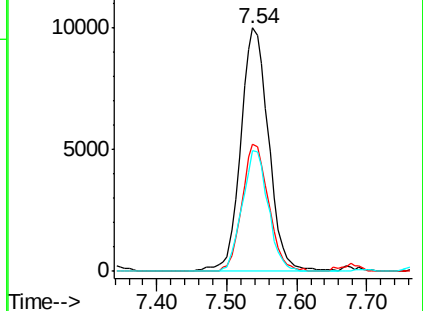
71 46.0 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 38.06 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006522.D

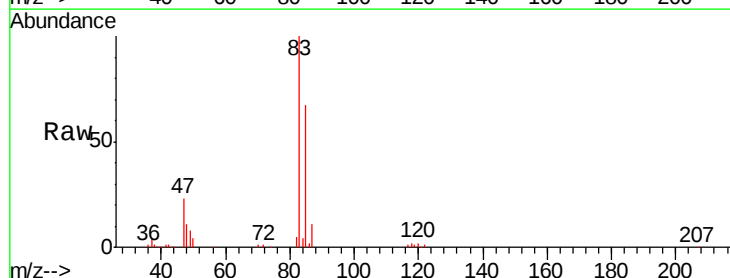
Acq: 31 Oct 2018 13:35

Tgt Ion: 83 Resp: 79599

Ion Ratio Lower Upper

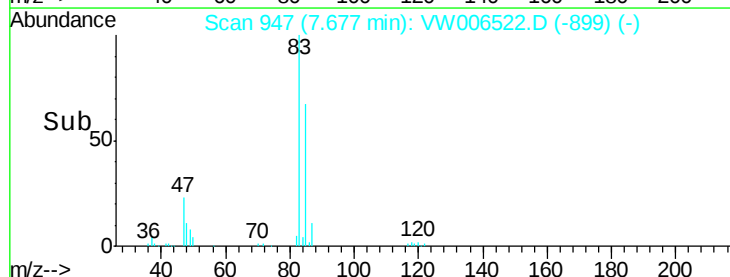
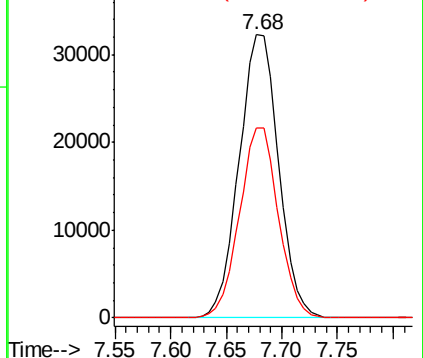
83 100

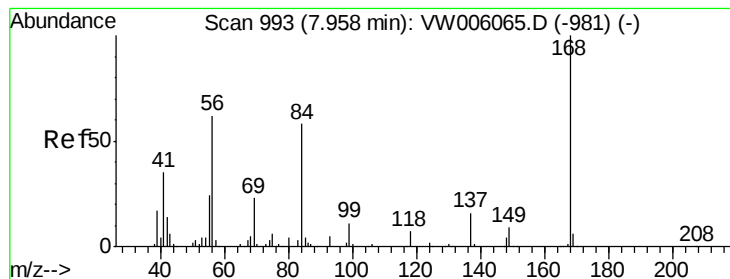
85 67.0 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 33.10 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

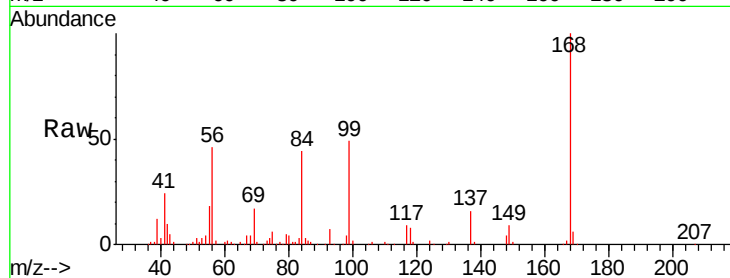
Tgt Ion: 56 Resp: 63271

Ion Ratio Lower Upper

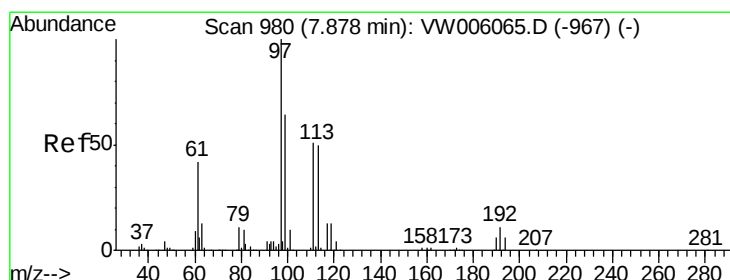
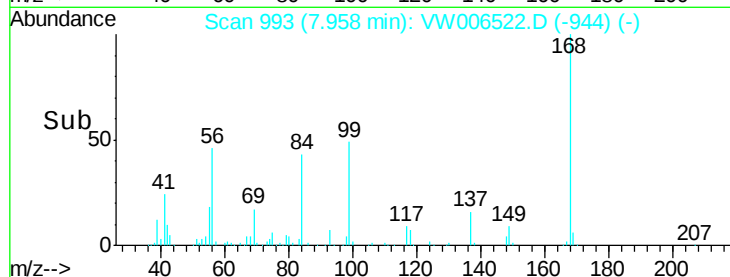
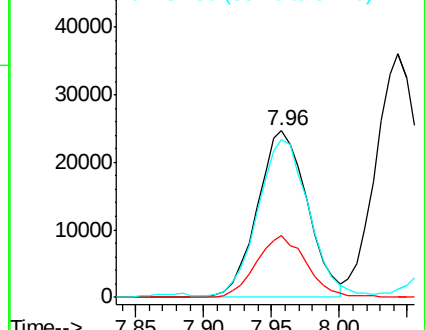
56 100

69 37.3 29.4 44.0

84 93.3 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: 37.43 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

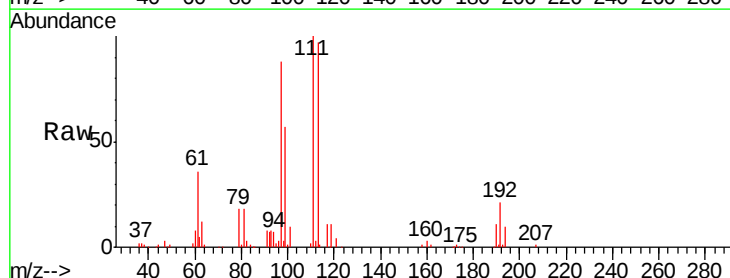
Tgt Ion: 97 Resp: 70624

Ion Ratio Lower Upper

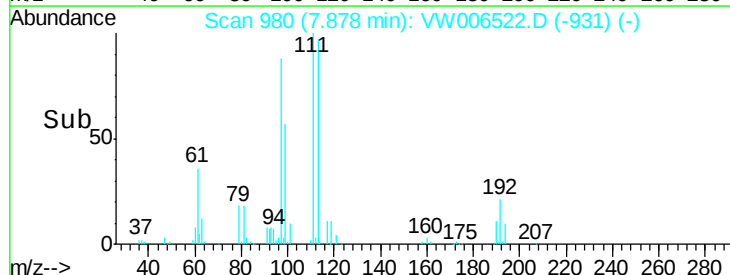
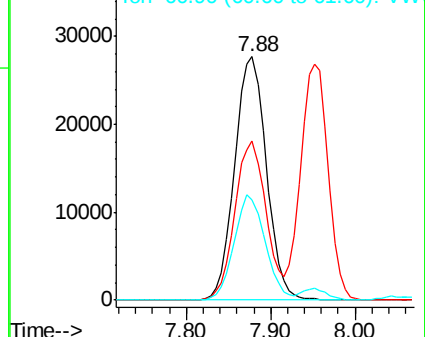
97 100

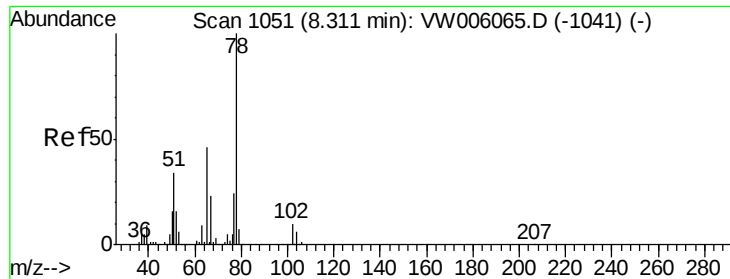
99 64.5 50.9 76.3

61 42.1 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: 76.45 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

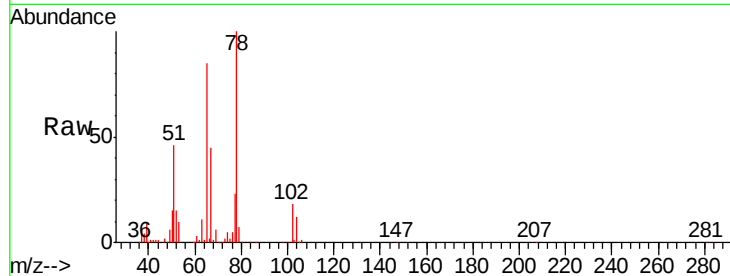
VW1101SBSD01

Tgt Ion: 65 Resp: 79872

Ion Ratio Lower Upper

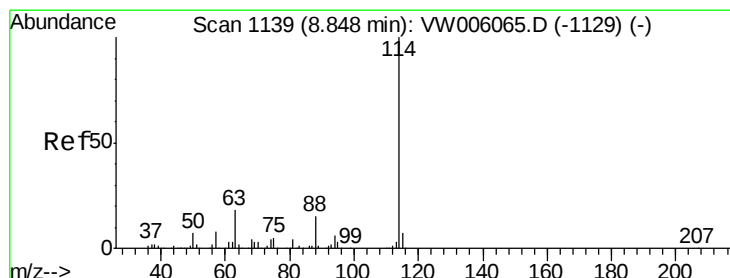
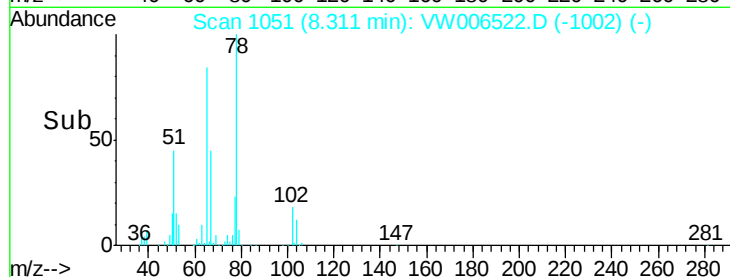
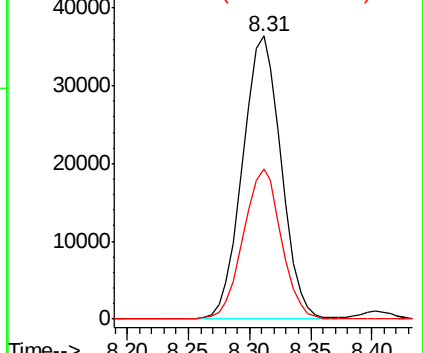
65 100

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



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

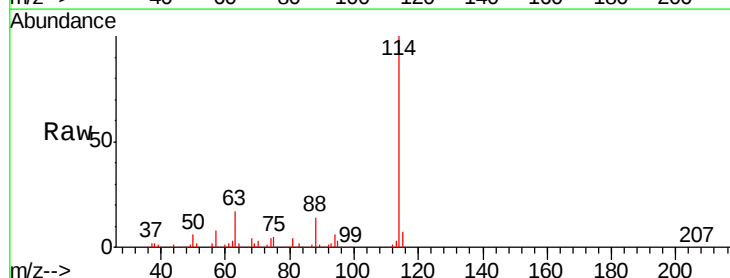
Tgt Ion: 114 Resp: 171215

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

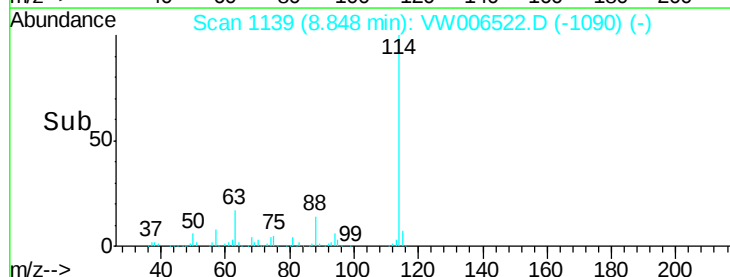
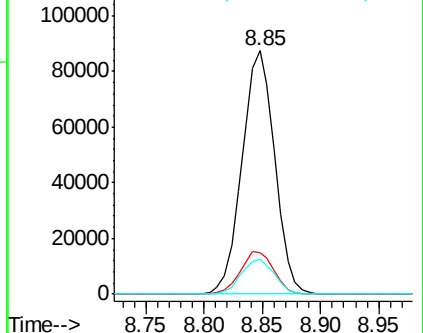
88 14.3 0.0 29.0

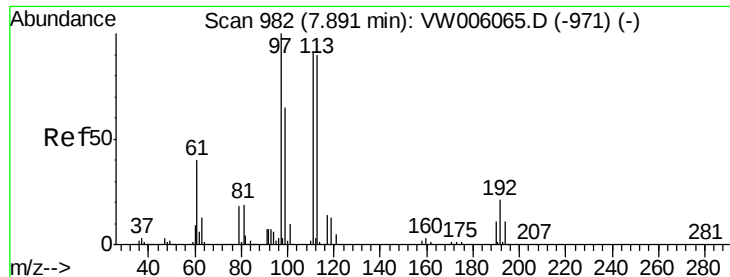


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 86.73 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

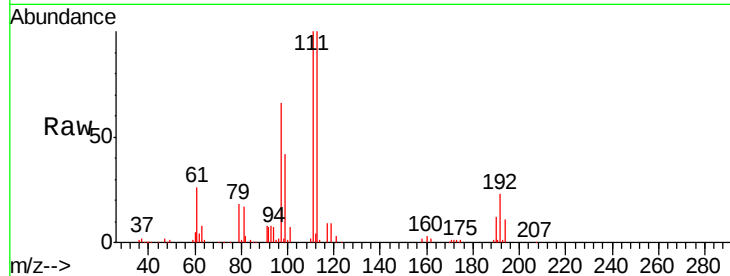
Tgt Ion: 113 Resp: 87742

Ion Ratio Lower Upper

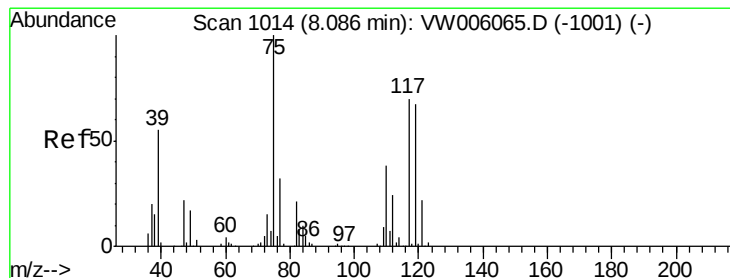
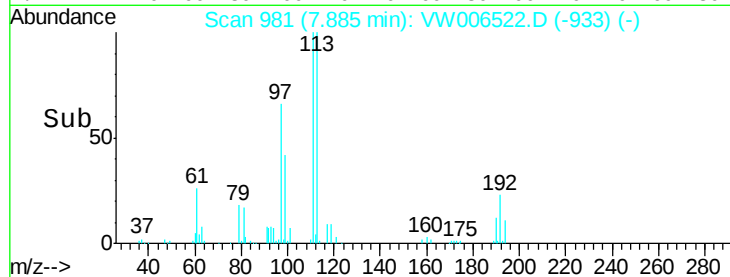
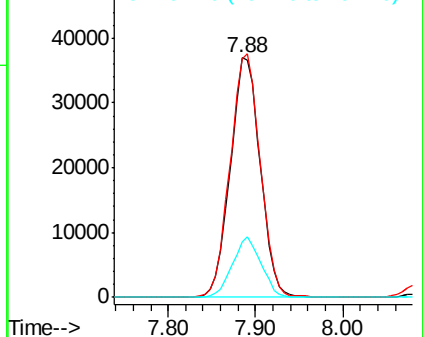
113 100

111 102.4 81.4 122.0

192 24.1 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: 39.98 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

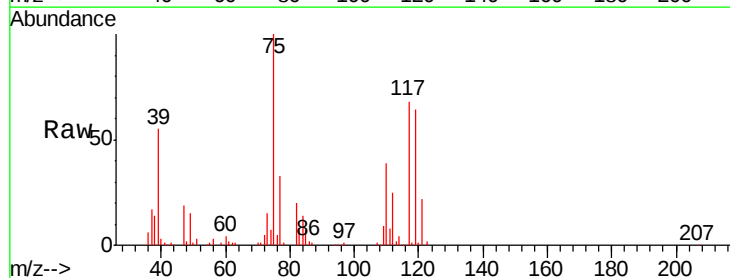
Tgt Ion: 75 Resp: 63086

Ion Ratio Lower Upper

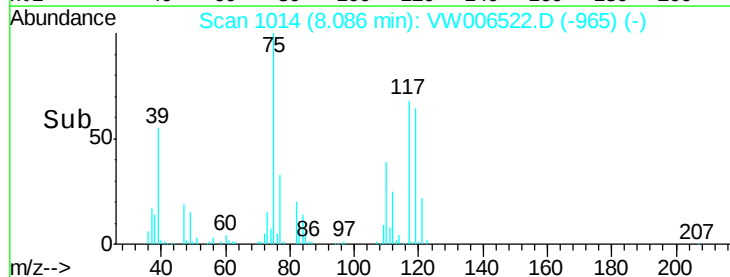
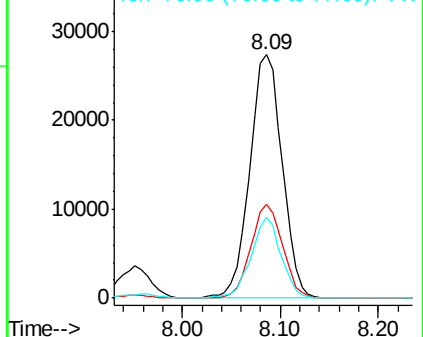
75 100

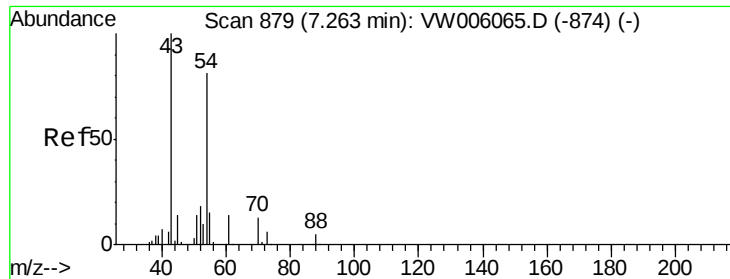
110 37.6 19.1 57.1

77 30.6 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

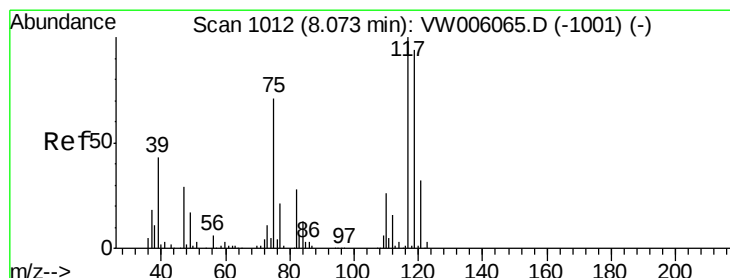
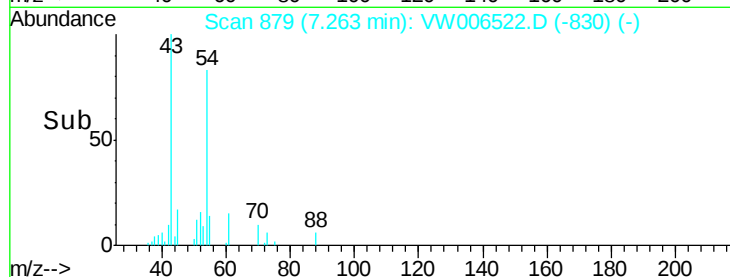
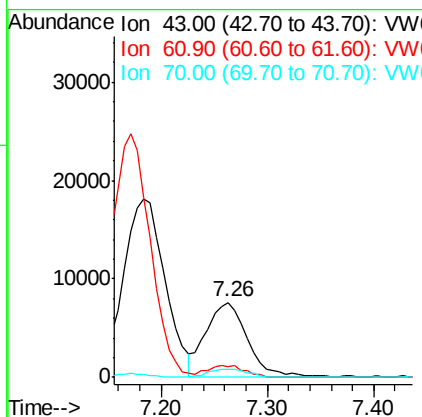
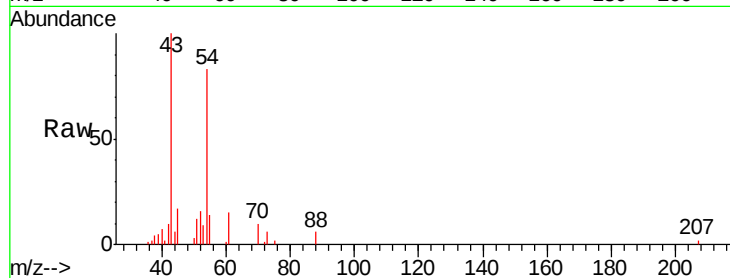




#37
Ethyl Acetate
Concen: 34.80 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

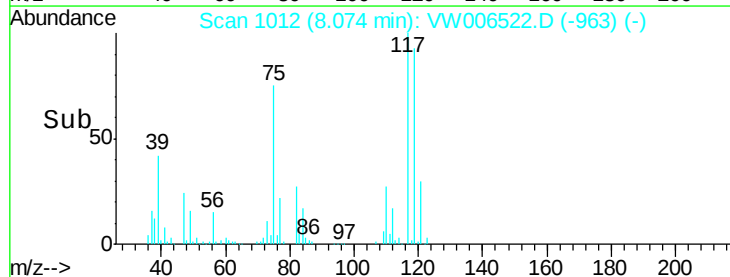
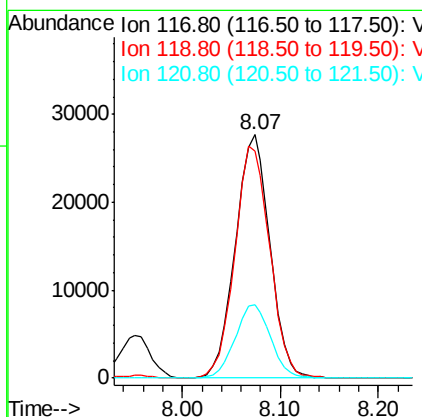
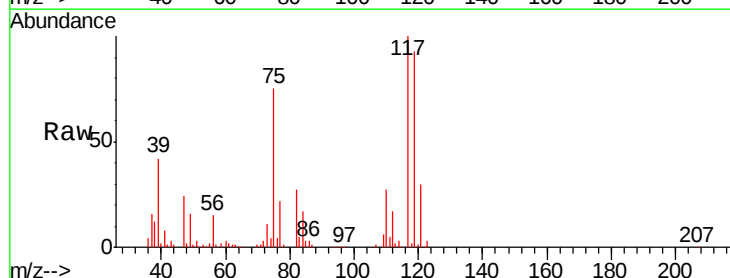
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

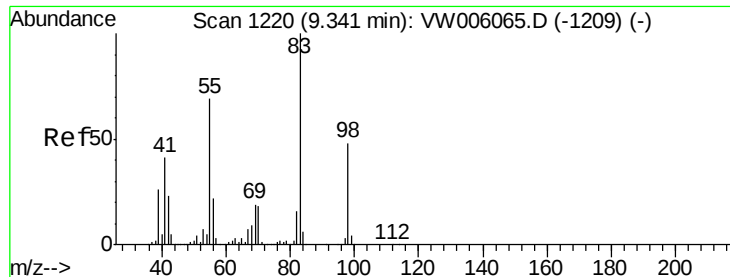
Tgt Ion: 43 Resp: 20404
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 10.8 9.2 13.8



#38
Carbon Tetrachloride
Concen: 39.20 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 117 Resp: 67810
Ion Ratio Lower Upper
117 100
119 93.0 75.2 112.8
121 30.2 25.3 37.9

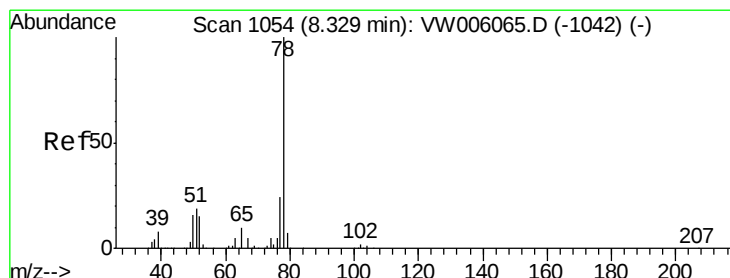
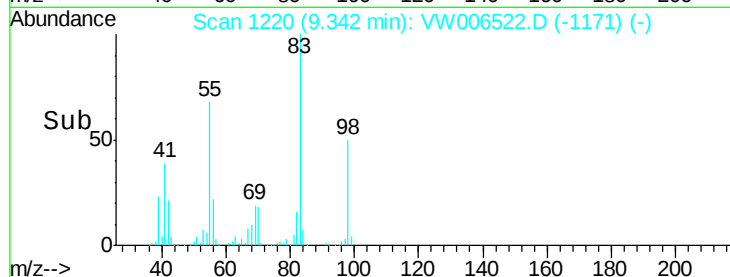
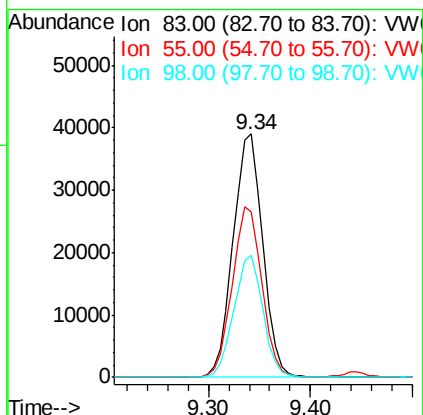
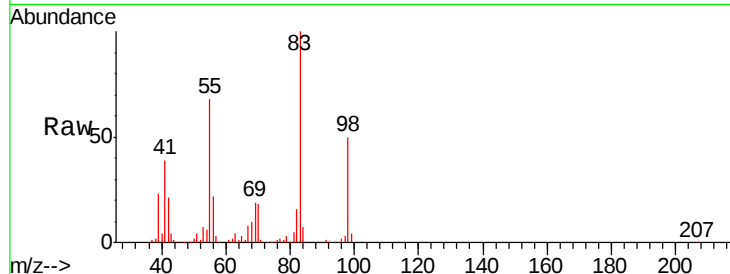




#39
Methylcyclohexane
Concen: 37.34 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

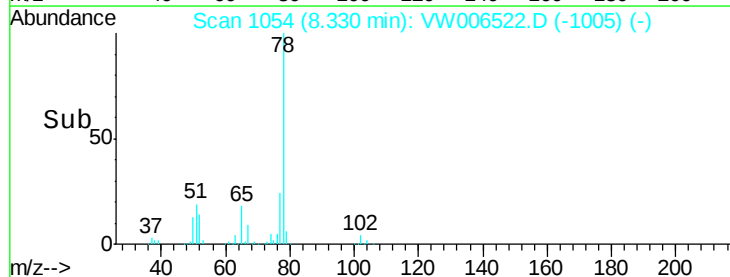
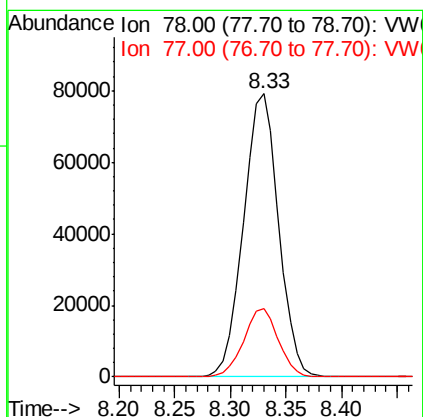
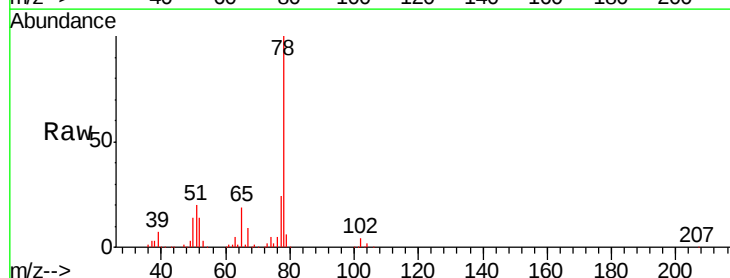
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

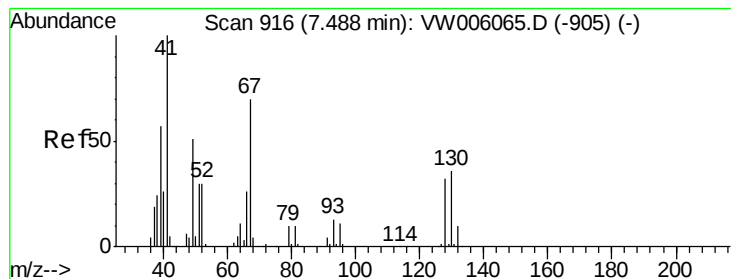
Tgt Ion: 83 Resp: 78328
Ion Ratio Lower Upper
83 100
55 68.0 55.0 82.6
98 50.0 38.6 57.8



#40
Benzene
Concen: 40.03 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 78 Resp: 173296
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0





#41

Methacrylonitrile

Concen: 33.75 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tgt Ion: 41 Resp: 11930

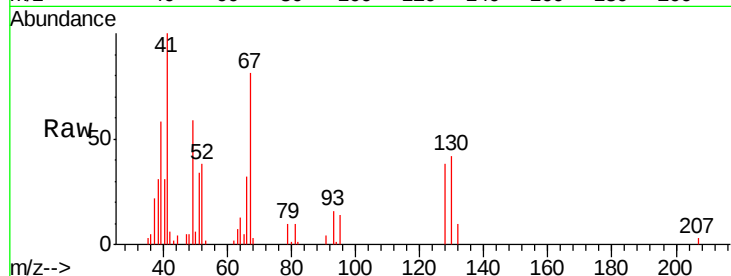
Ion Ratio Lower Upper

41 100

39 58.3 46.2 69.4

67 77.7 57.7 86.5

52 32.1 24.7 37.1

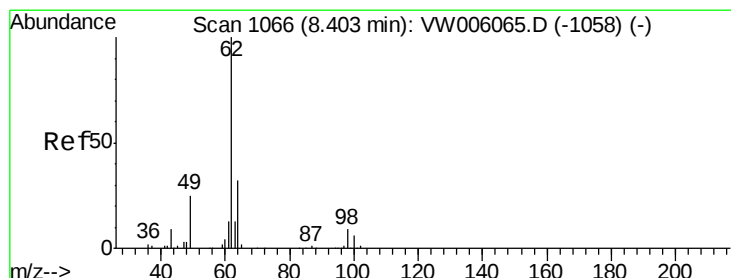
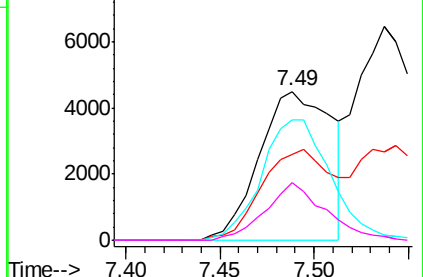
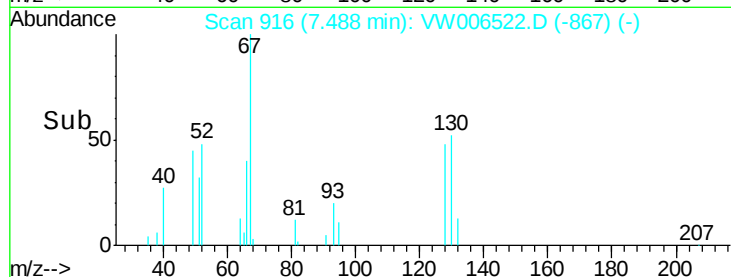


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 38.42 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006522.D

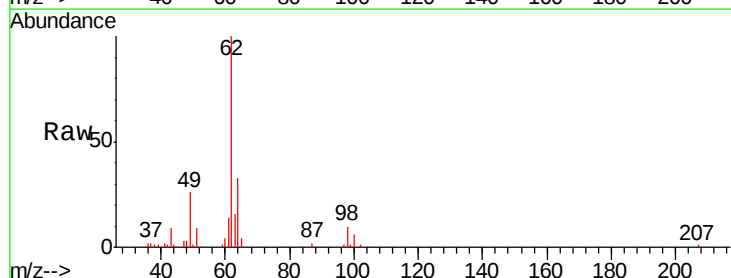
Acq: 31 Oct 2018 13:35

Tgt Ion: 62 Resp: 48860

Ion Ratio Lower Upper

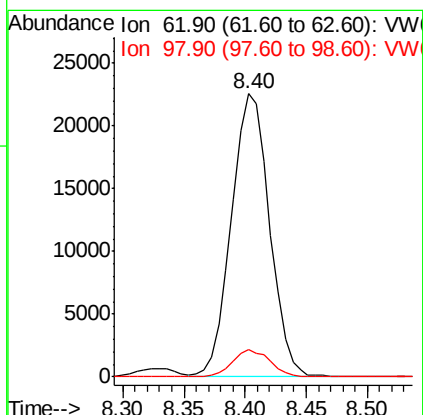
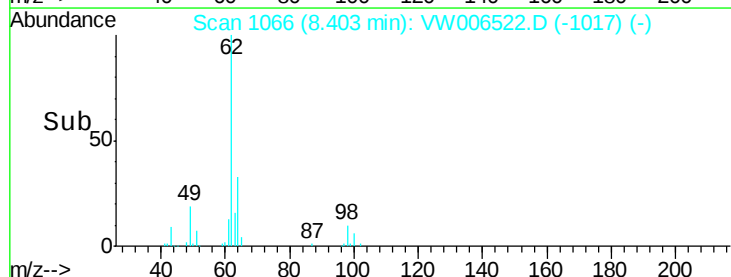
62 100

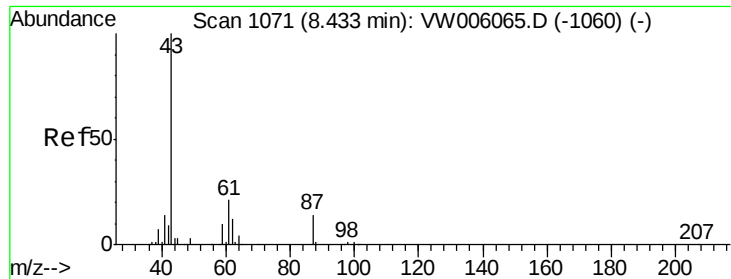
98 9.4 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 31.83 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

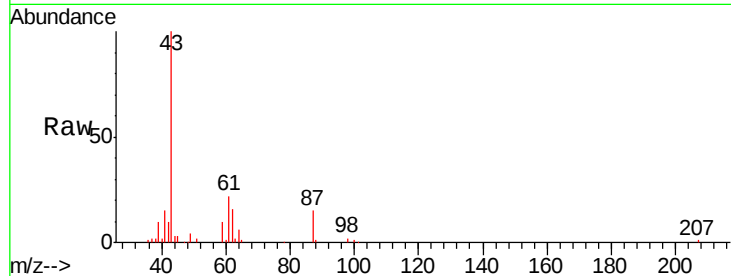
Tgt Ion: 43 Resp: 38164

Ion Ratio Lower Upper

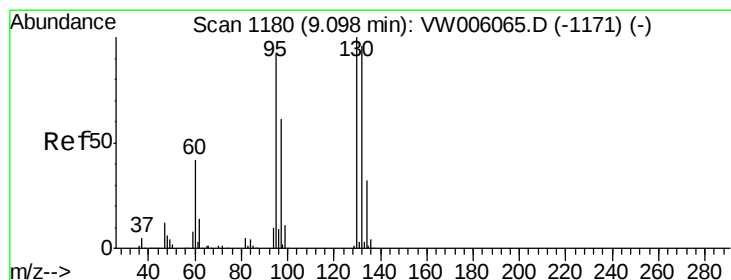
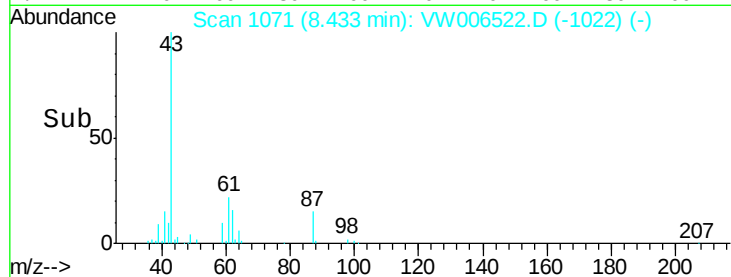
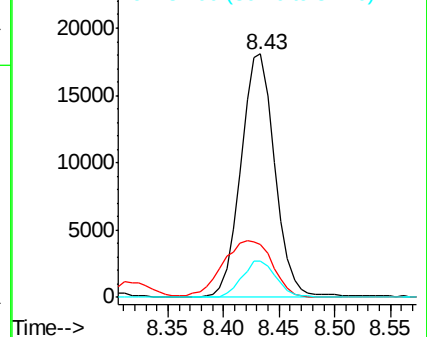
43 100

61 34.3 25.5 38.3

87 15.1 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: 39.88 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006522.D

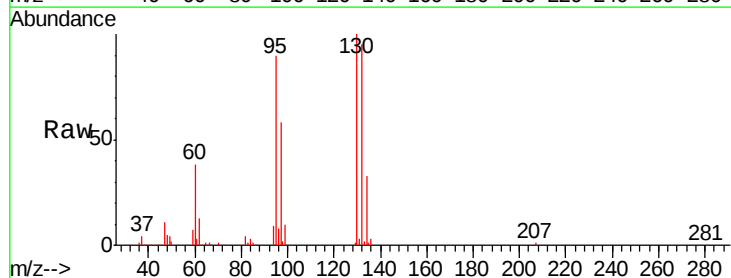
Acq: 31 Oct 2018 13:35

Tgt Ion: 130 Resp: 52961

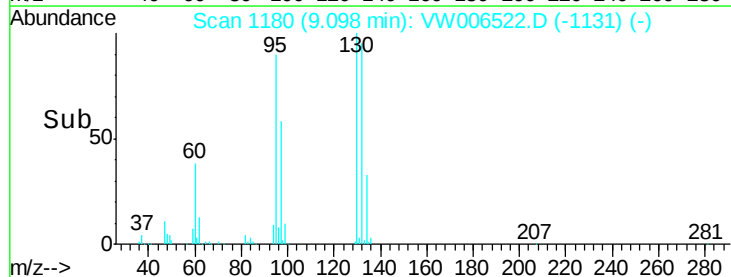
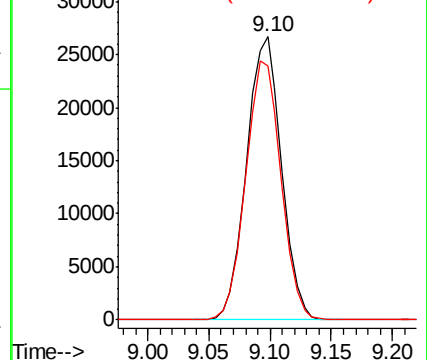
Ion Ratio Lower Upper

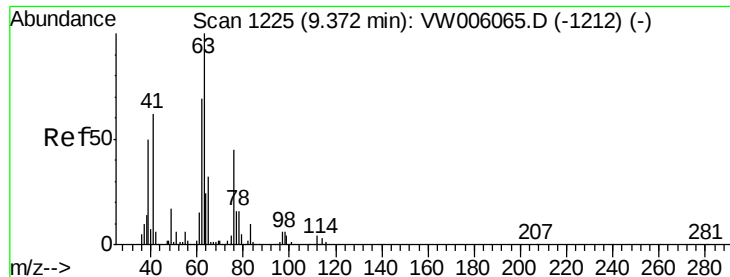
130 100

95 89.5 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: 38.86 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

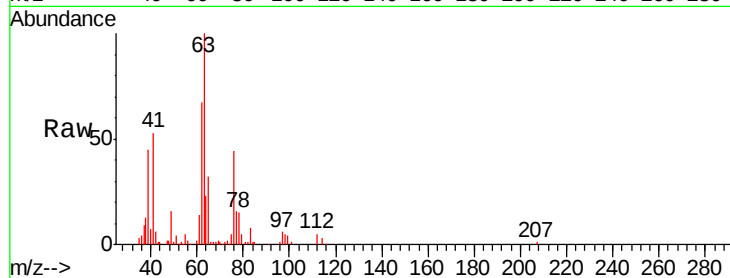
VW1101SBSD01

Tgt Ion: 63 Resp: 40252

Ion Ratio Lower Upper

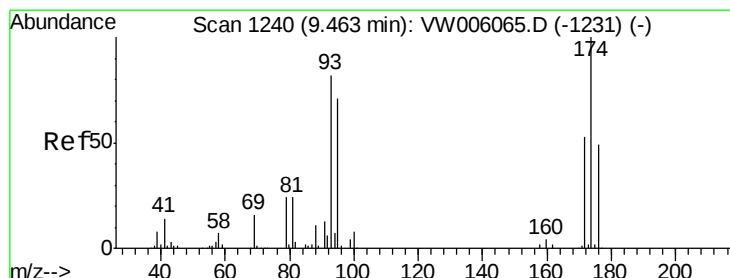
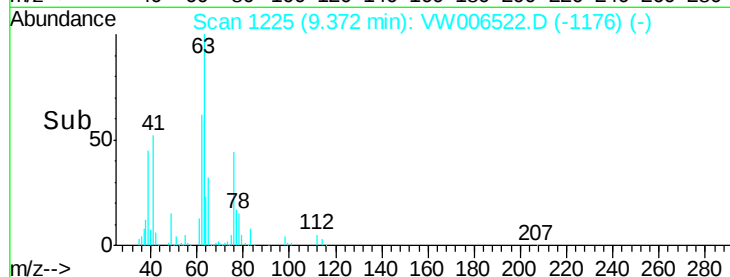
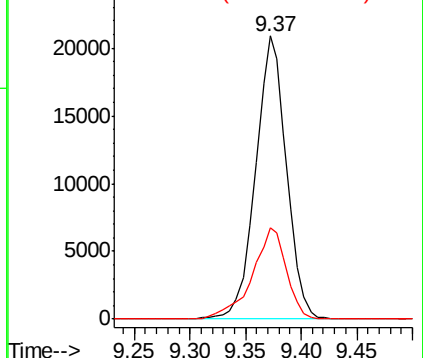
63 100

65 32.5 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 38.54 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

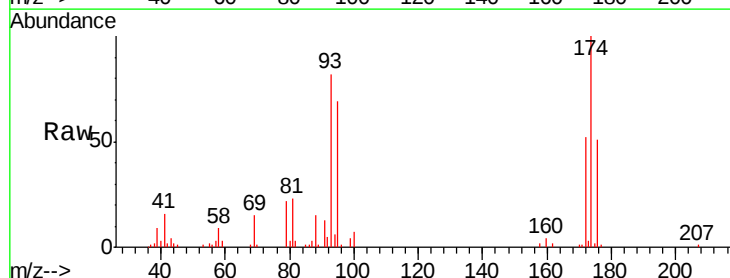
Tgt Ion: 93 Resp: 22753

Ion Ratio Lower Upper

93 100

95 82.7 67.7 101.5

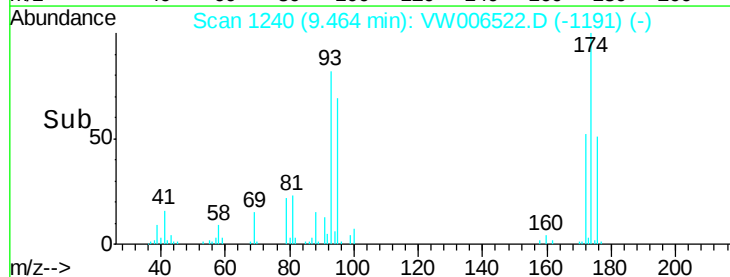
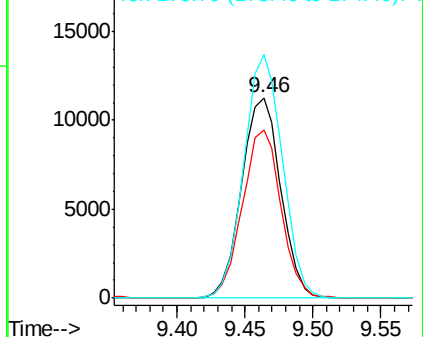
174 119.9 93.7 140.5

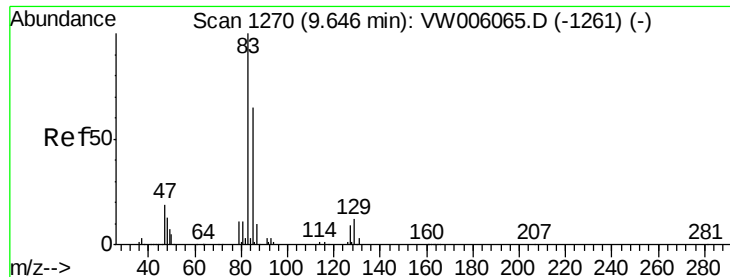


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 37.30 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

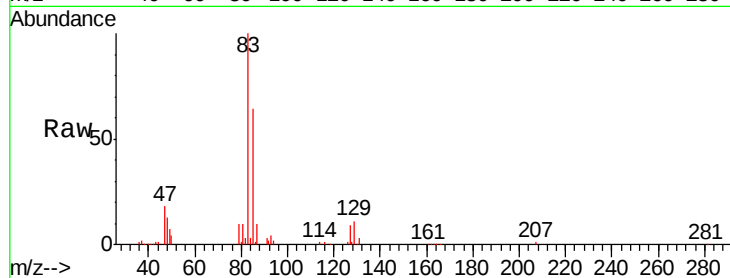
Tgt Ion: 83 Resp: 53394

Ion Ratio Lower Upper

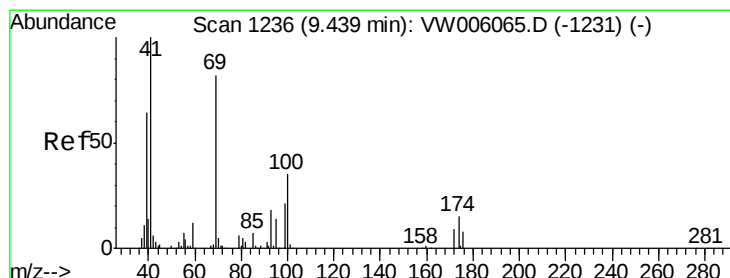
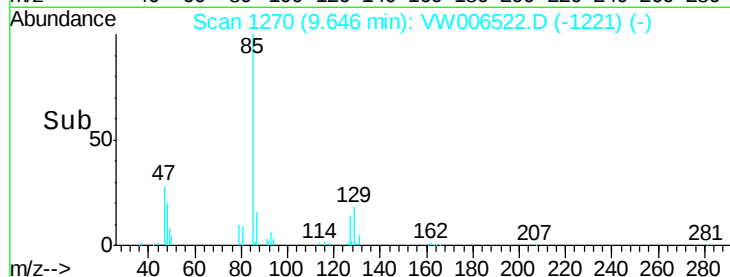
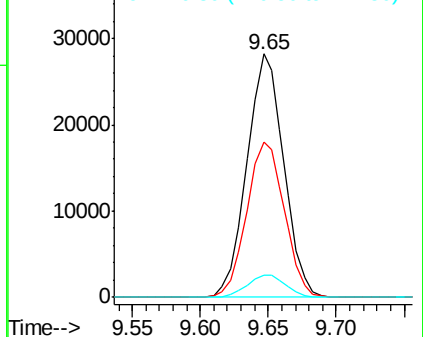
83 100

85 63.7 51.8 77.8

127 9.1 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): VW



#48

Methyl methacrylate

Concen: 32.61 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

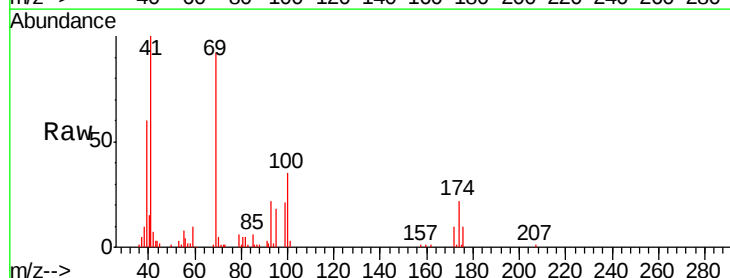
Tgt Ion: 41 Resp: 18532

Ion Ratio Lower Upper

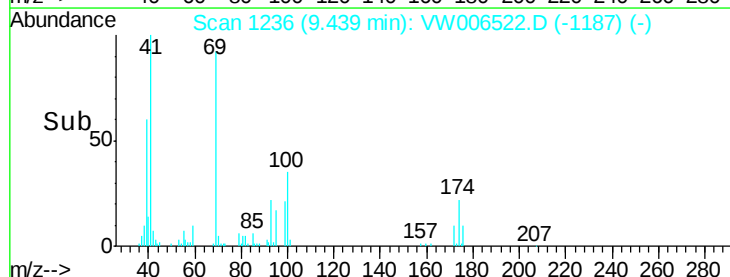
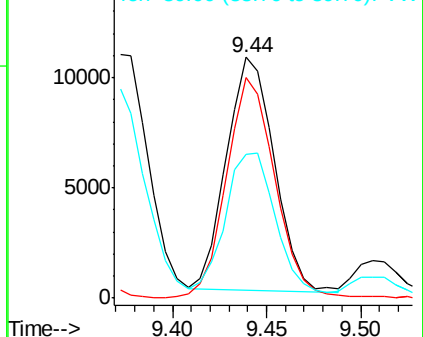
41 100

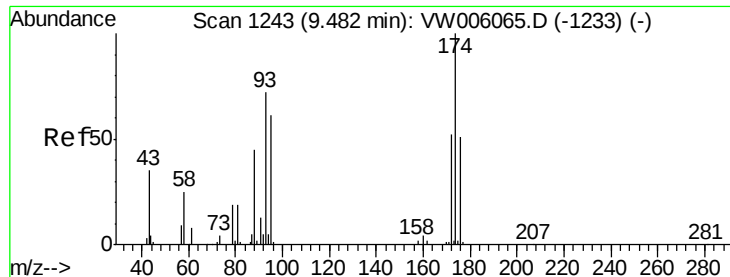
69 97.4 71.8 107.8

39 62.7 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: 732.53 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

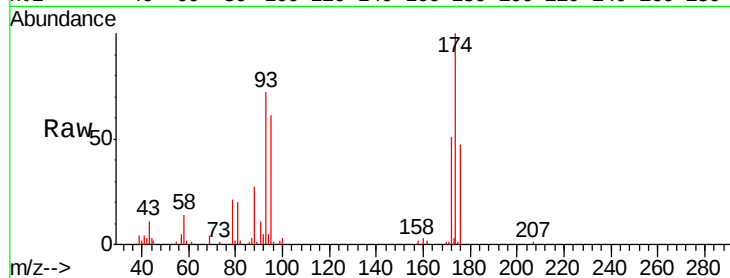
Tgt Ion: 88 Resp: 6658

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

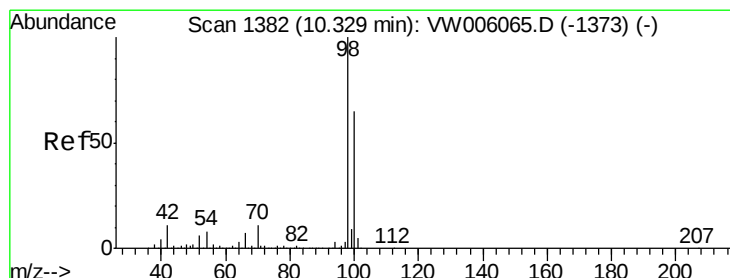
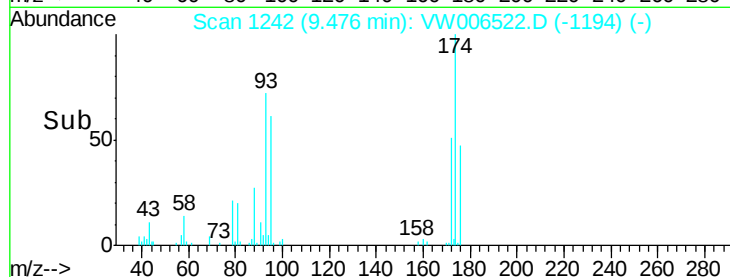
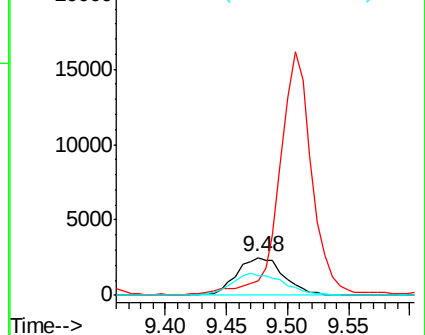
58 63.4 51.2 76.8



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: 84.45 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006522.D

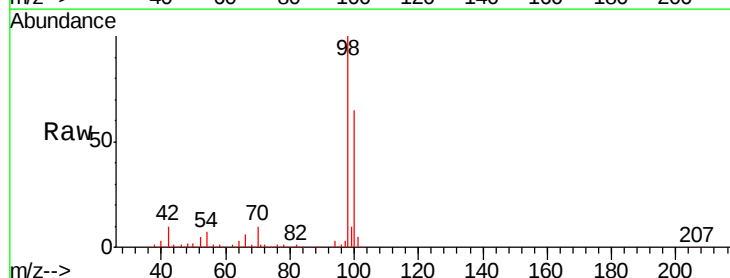
Acq: 31 Oct 2018 13:35

Tgt Ion: 98 Resp: 325069

Ion Ratio Lower Upper

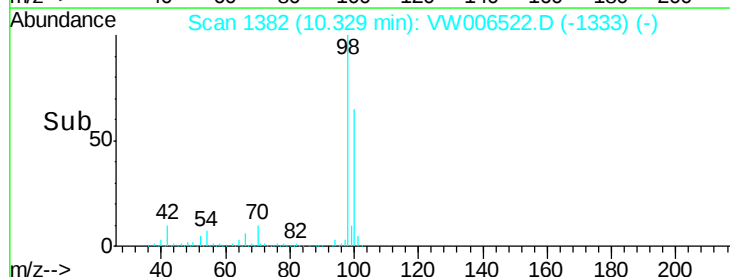
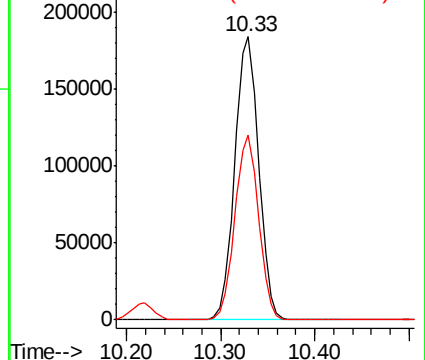
98 100

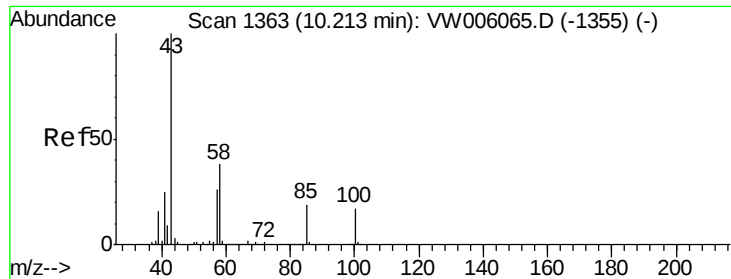
100 65.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

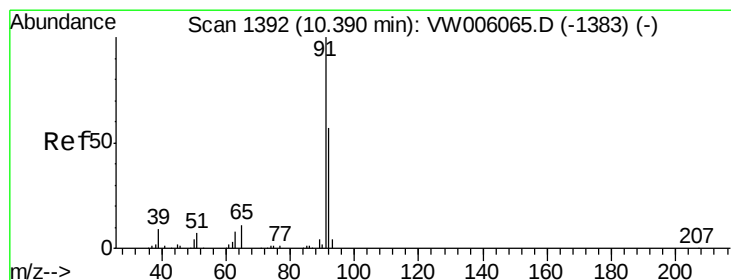
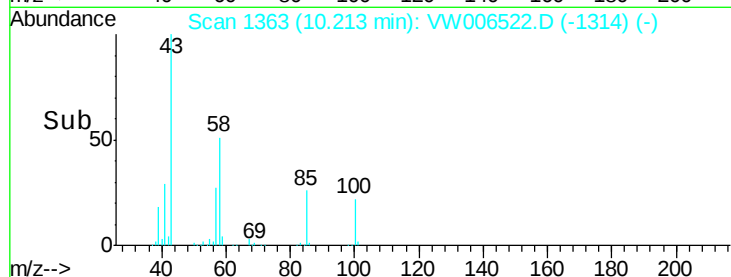
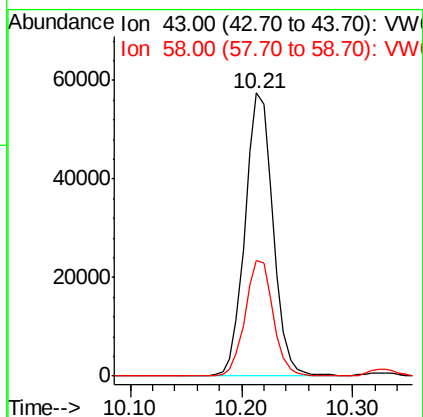
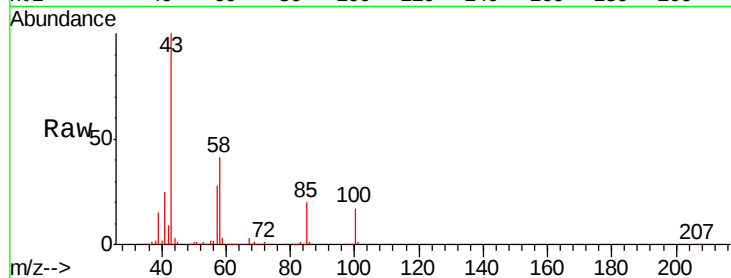




#51
 4-Methyl-2-Pentanone
 Concen: 167.52 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

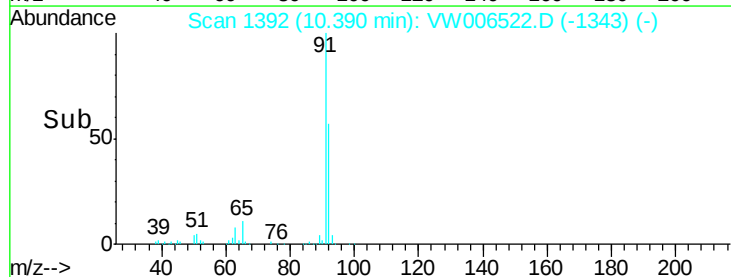
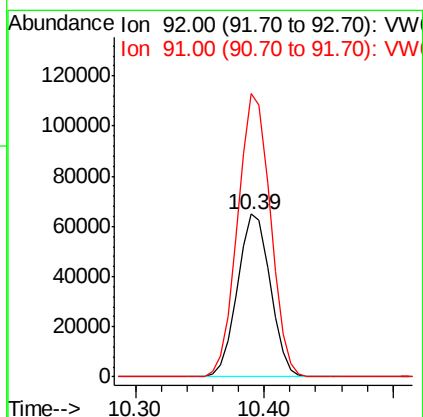
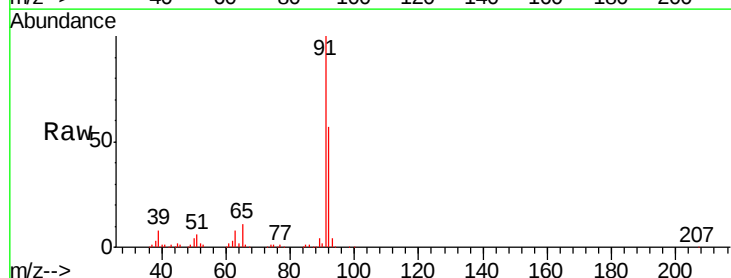
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

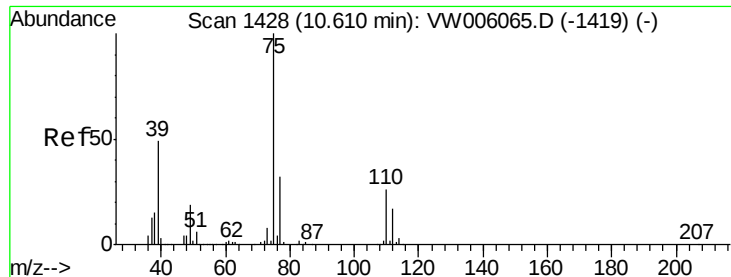
Tgt Ion: 43 Resp: 100623
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.5 47.3



#52
 Toluene
 Concen: 39.54 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion: 92 Resp: 114755
 Ion Ratio Lower Upper
 92 100
 91 173.6 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 36.27 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

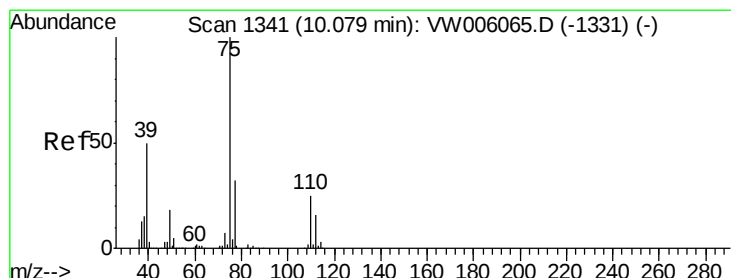
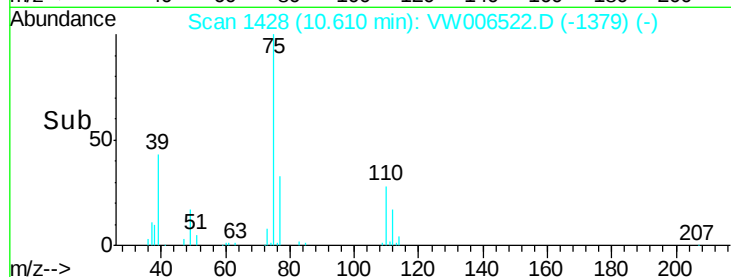
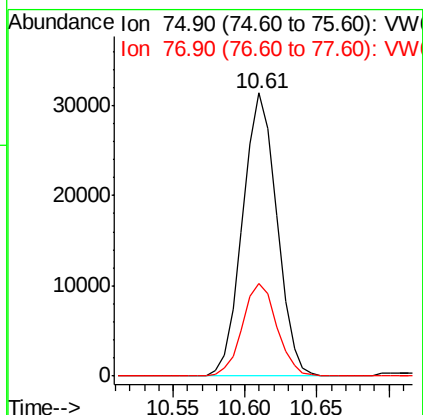
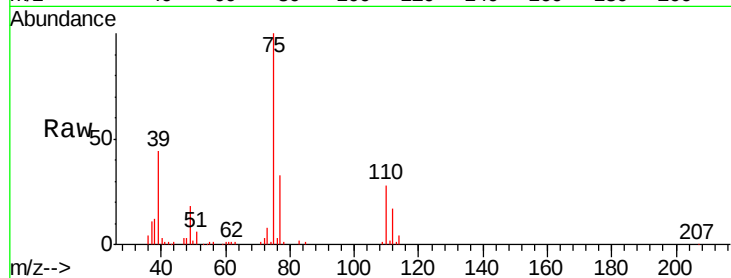
VW1101SBSD01

Tgt Ion: 75 Resp: 51733

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 37.48 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

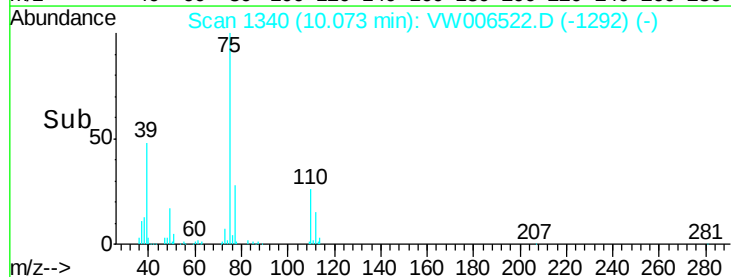
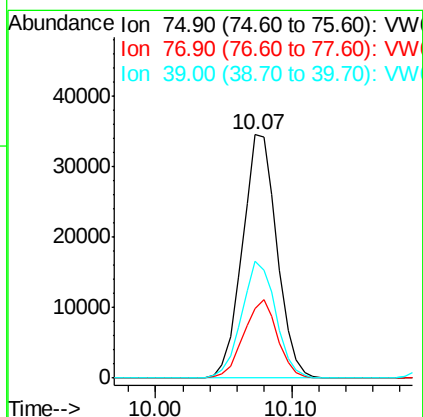
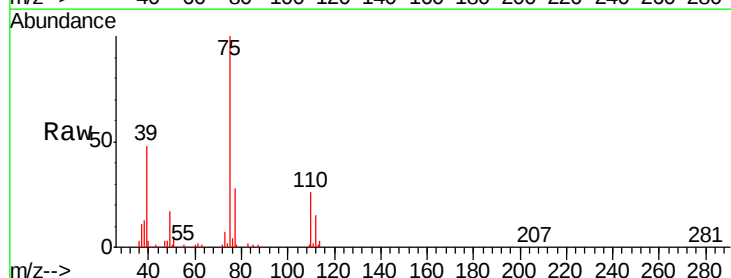
Tgt Ion: 75 Resp: 61345

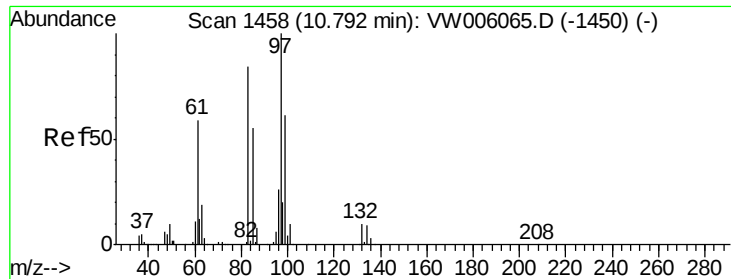
Ion Ratio Lower Upper

75 100

77 28.5 25.2 37.8

39 47.8 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 39.83 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

Tgt Ion: 97 Resp: 32908

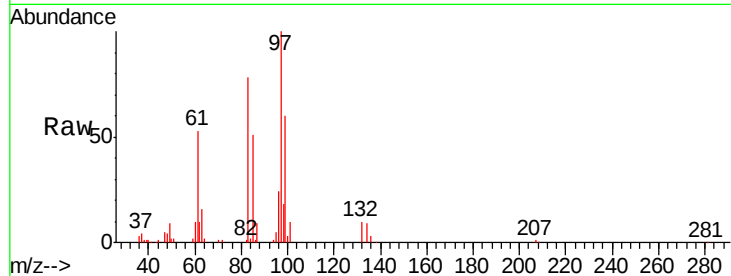
Ion Ratio Lower Upper

97 100

83 78.3 67.2 100.8

85 51.0 43.7 65.5

99 59.9 48.5 72.7

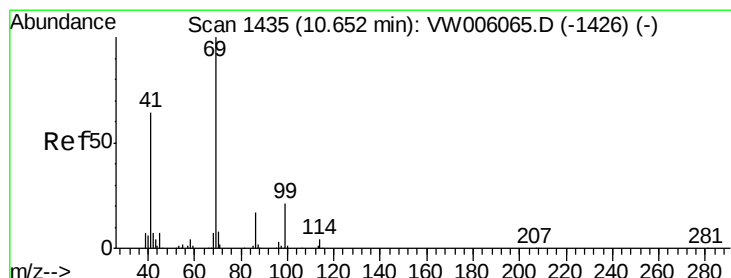
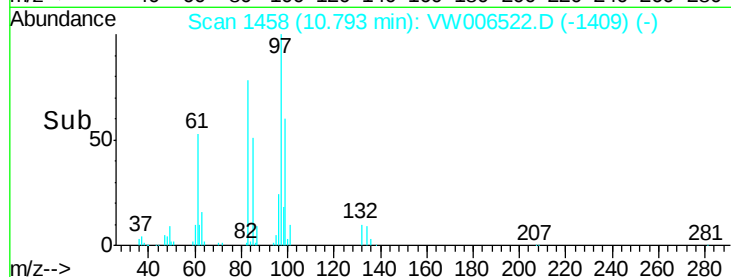
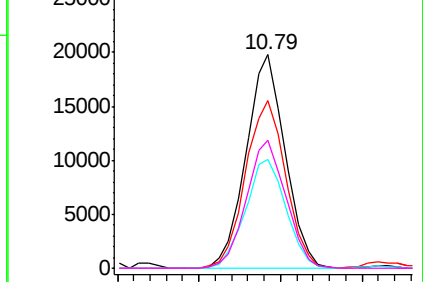


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 33.75 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

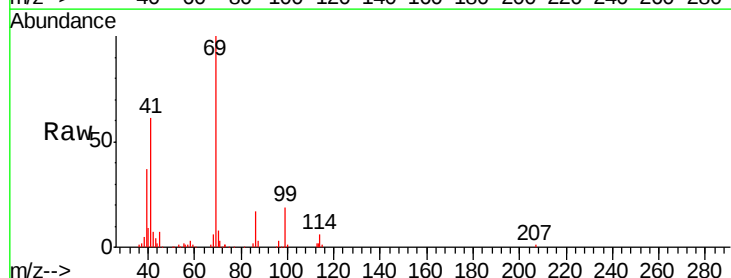
Tgt Ion: 69 Resp: 34183

Ion Ratio Lower Upper

69 100

41 62.4 52.8 79.2

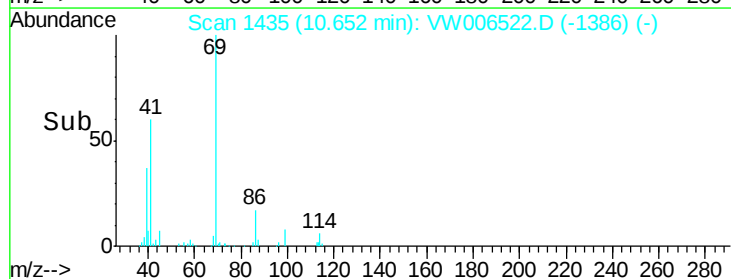
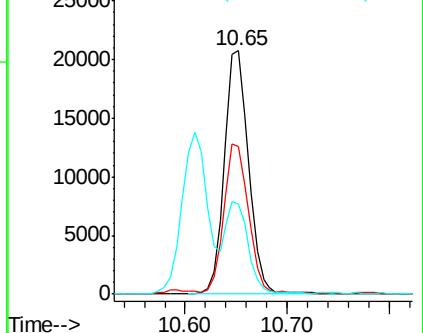
39 34.5 30.6 45.8

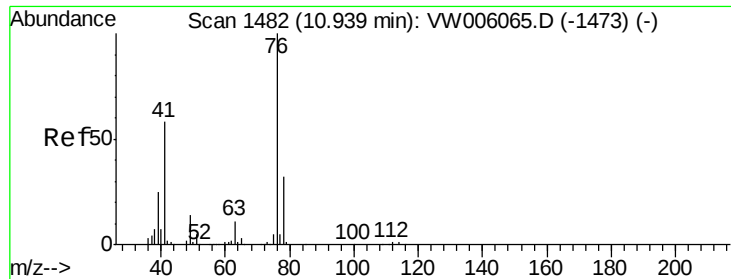


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 37.98 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

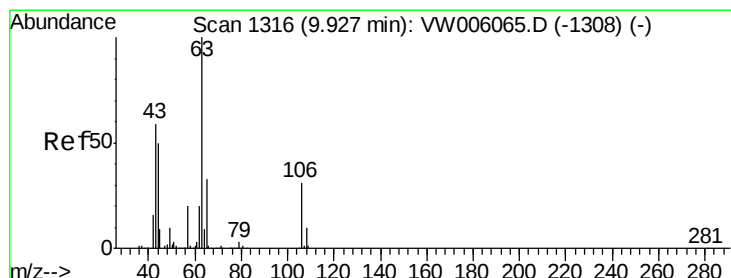
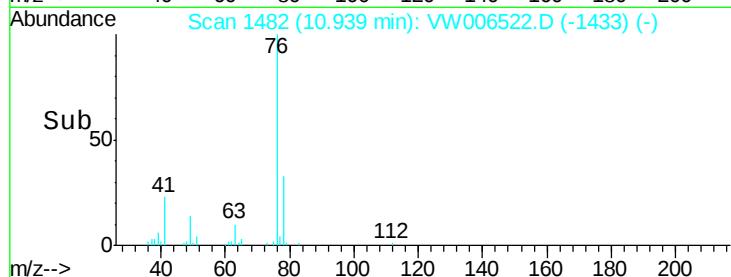
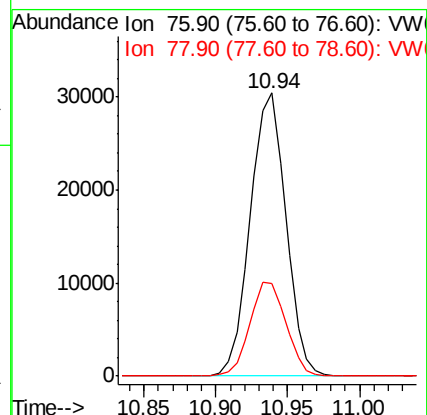
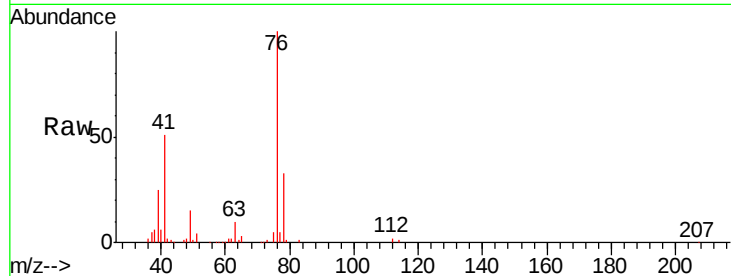
VW1101SBSD01

Tgt Ion: 76 Resp: 51945

Ion Ratio Lower Upper

76 100

78 33.9 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 184.28 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006522.D

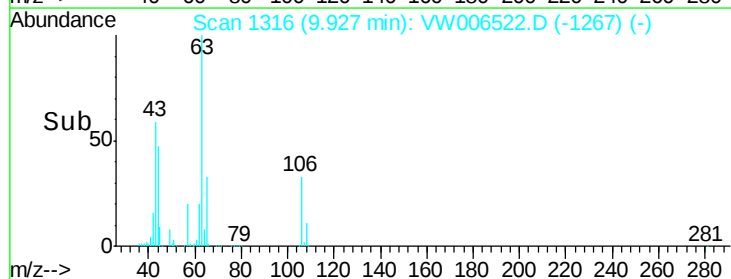
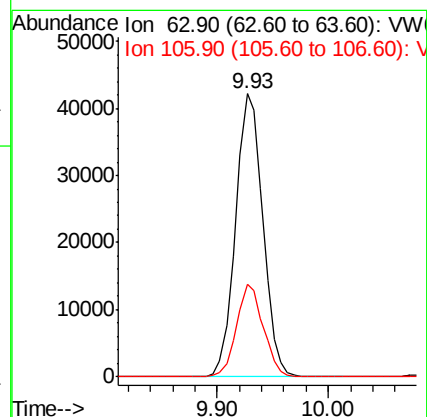
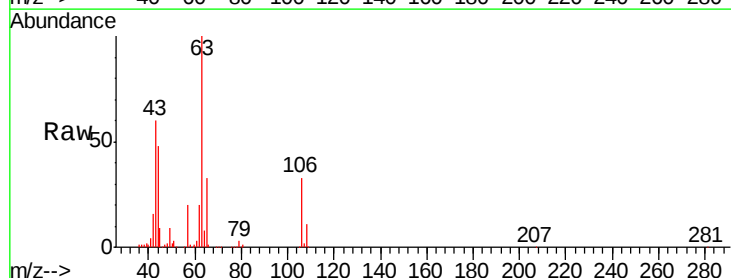
Acq: 31 Oct 2018 13:35

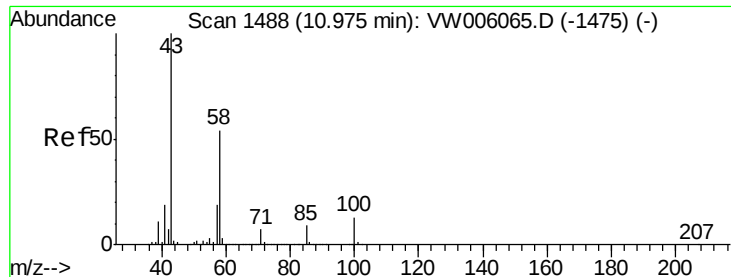
Tgt Ion: 63 Resp: 71321

Ion Ratio Lower Upper

63 100

106 31.9 24.5 36.7

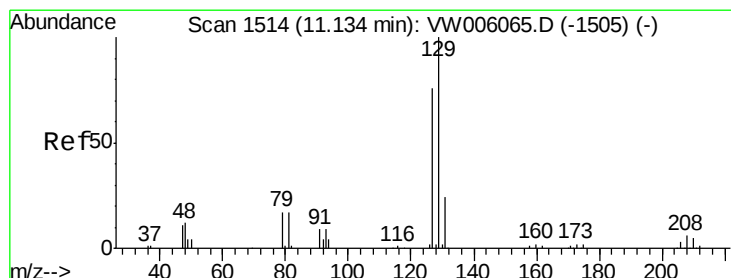
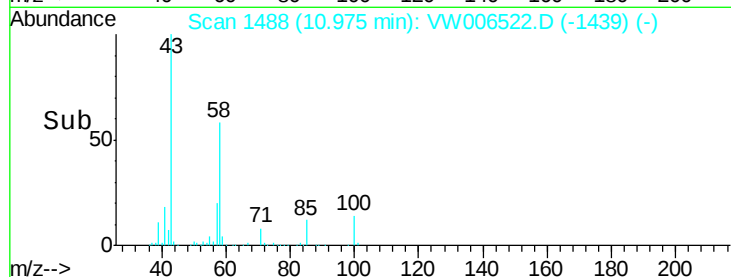
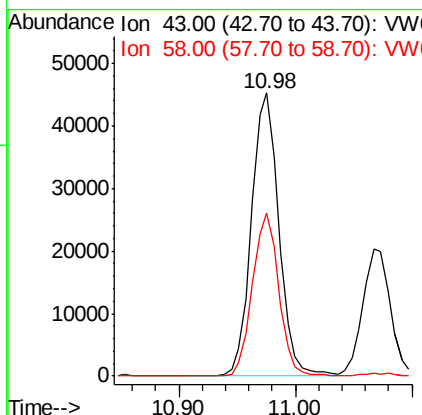
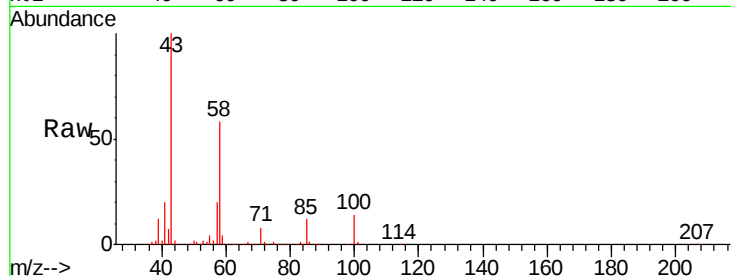




#59
2-Hexanone
Concen: 174.55 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

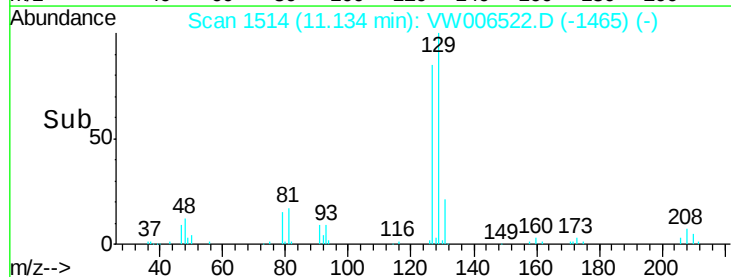
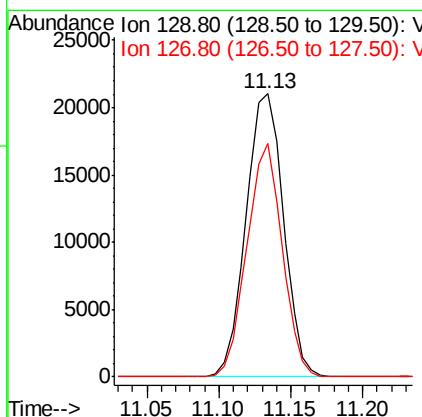
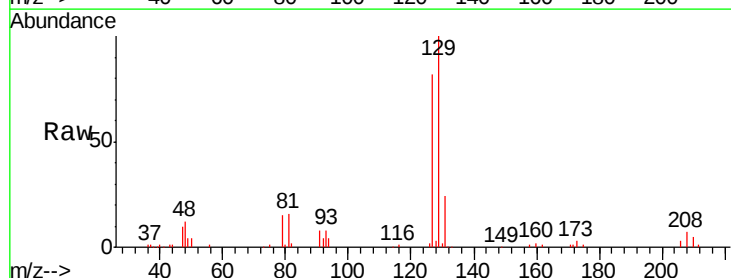
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

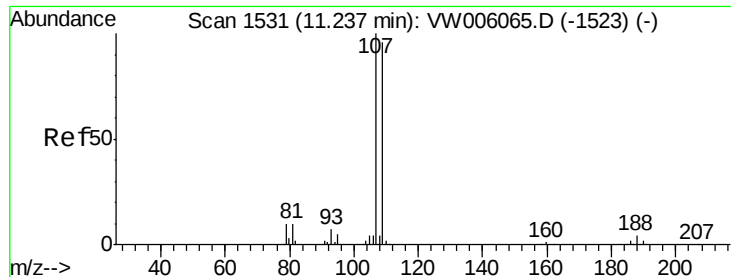
Tgt Ion: 43 Resp: 74841
Ion Ratio Lower Upper
43 100
58 55.5 26.9 80.6



#60
Dibromochloromethane
Concen: 36.80 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 129 Resp: 37875
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.7

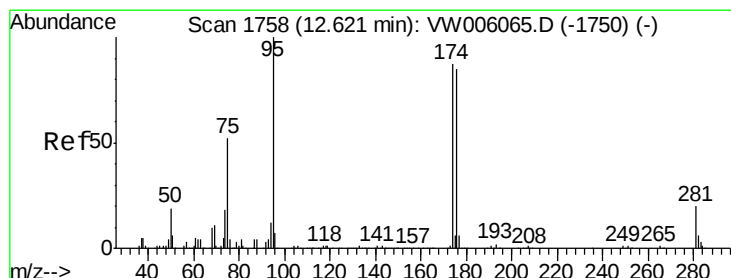
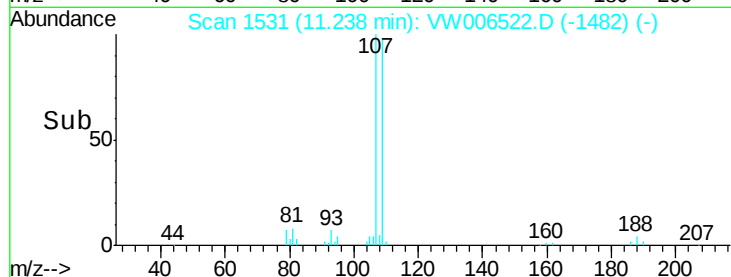
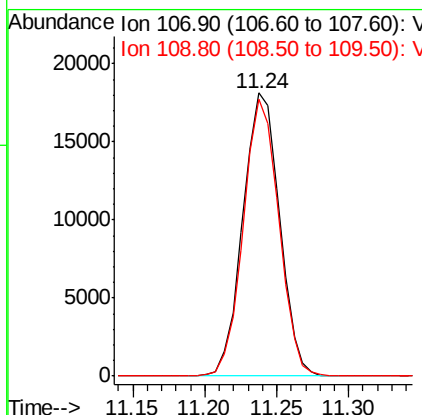
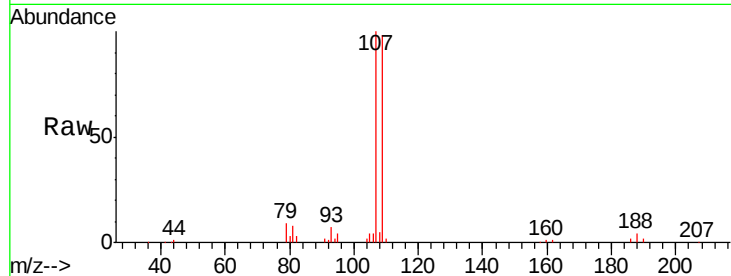




#61
 1,2-Dibromoethane
 Concen: 38.66 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

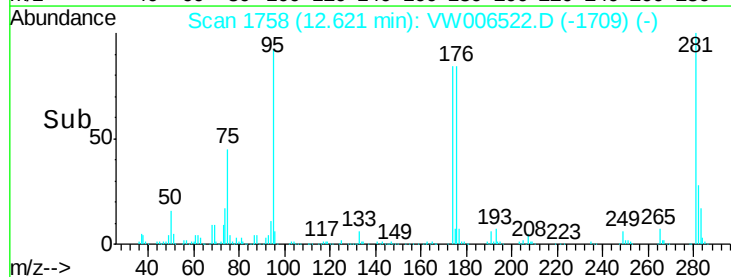
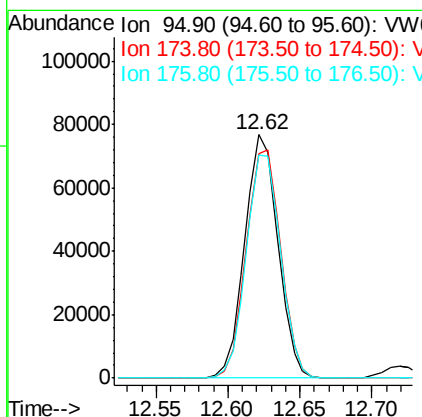
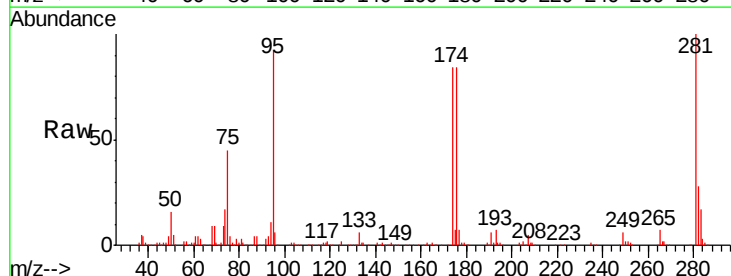
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

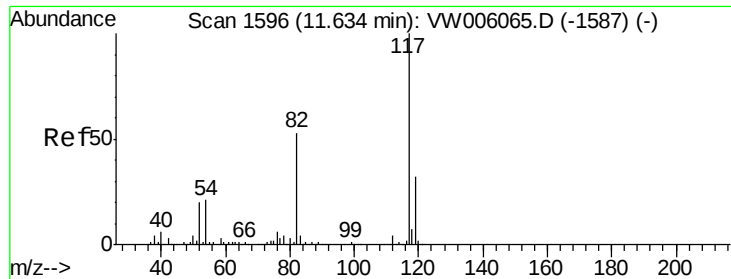
Tgt Ion: 107 Resp: 31919
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 84.75 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion: 95 Resp: 122519
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 186.0
 176 94.8 0.0 181.6

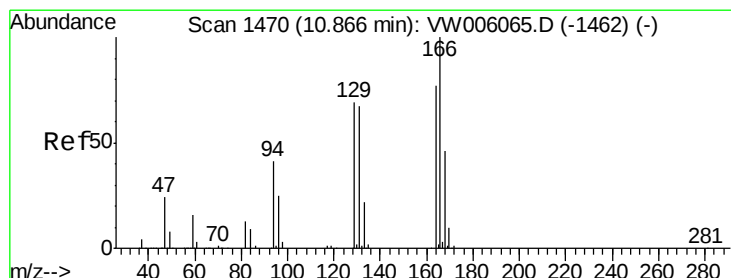
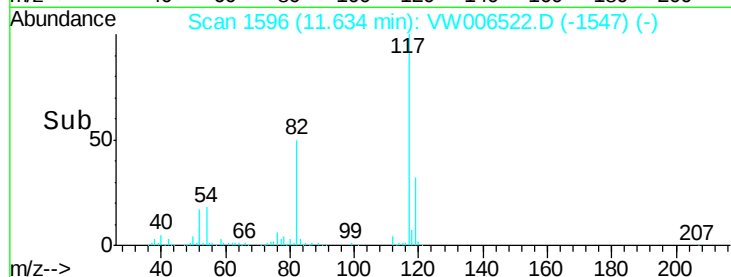
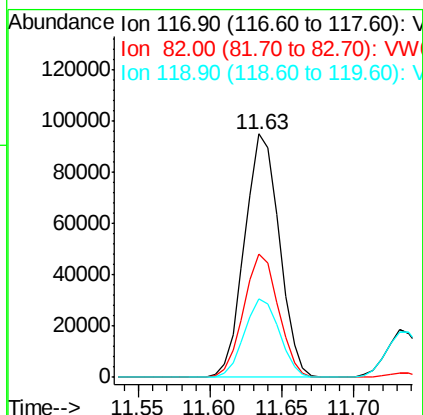
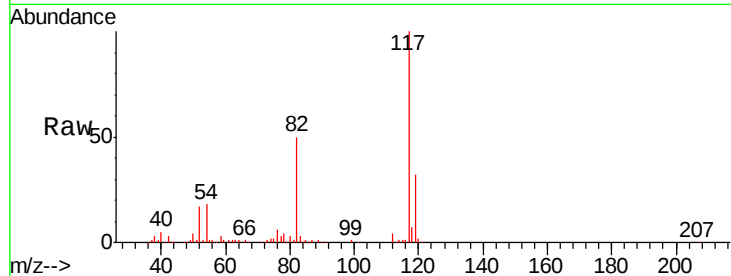




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

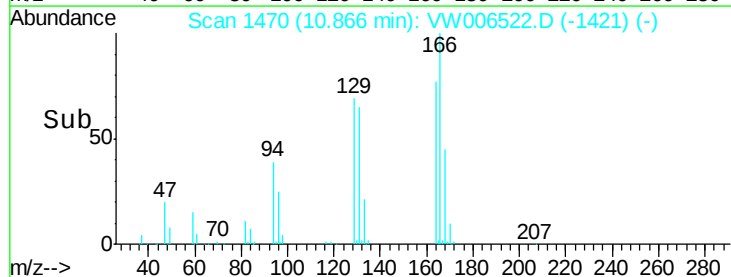
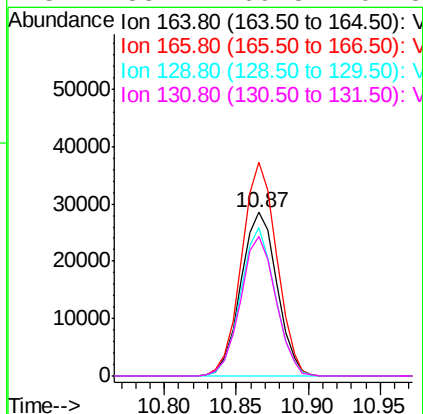
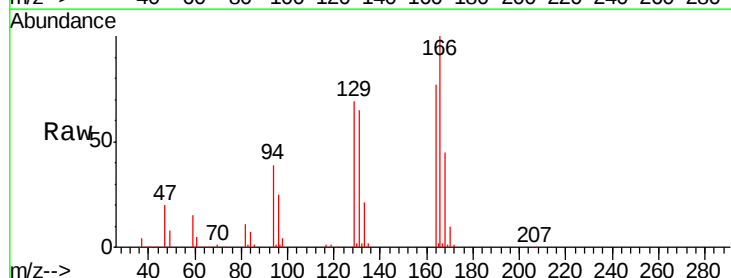
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

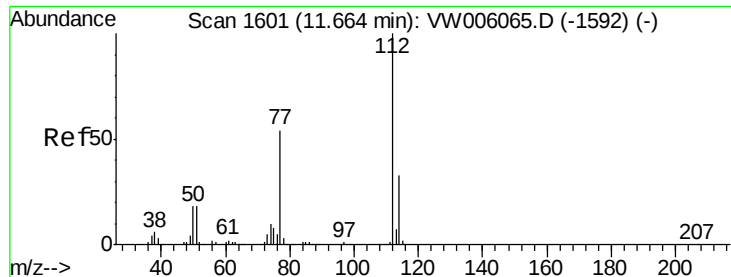
Tgt Ion:117 Resp: 158560
Ion Ratio Lower Upper
117 100
82 50.5 42.1 63.1
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 40.24 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion:164 Resp: 49531
Ion Ratio Lower Upper
164 100
166 130.4 103.4 155.0
129 90.5 71.8 107.8
131 85.1 69.5 104.3





#65

Chlorobenzene

Concen: 39.83 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

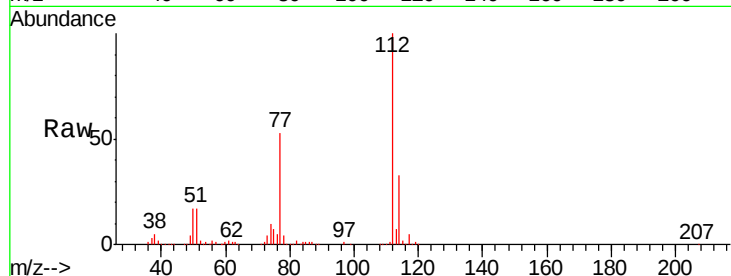
VW1101SBSD01

Tgt Ion:112 Resp: 135198

Ion Ratio Lower Upper

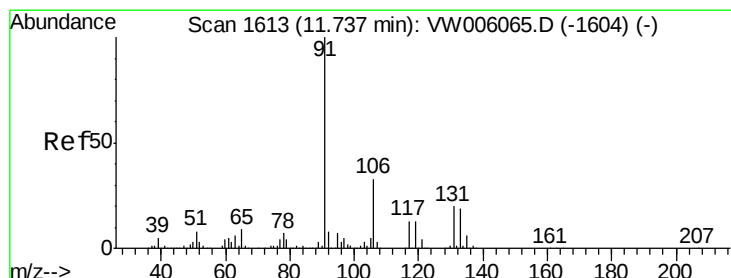
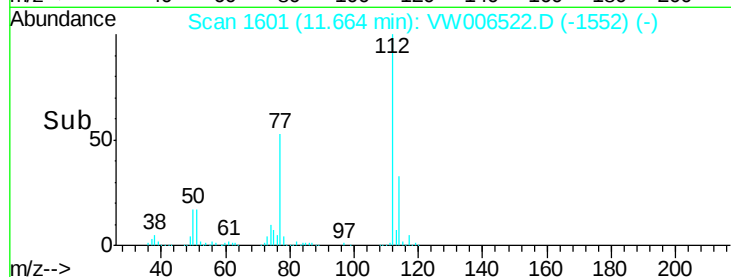
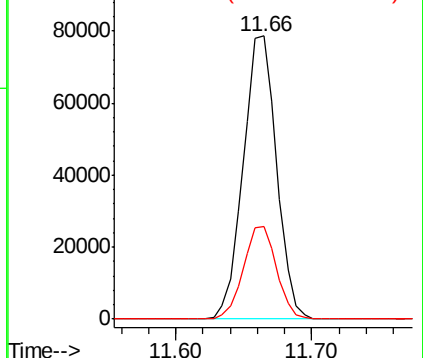
112 100

114 32.7 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 38.77 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

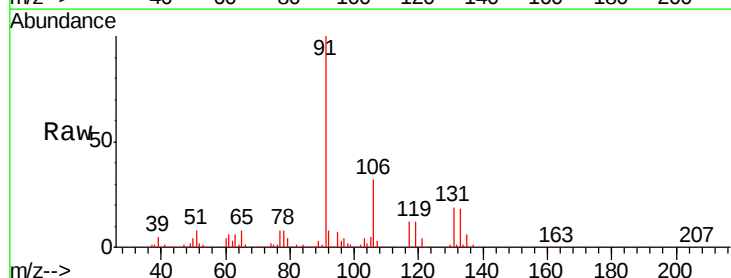
Tgt Ion:131 Resp: 46768

Ion Ratio Lower Upper

131 100

133 95.7 48.1 144.3

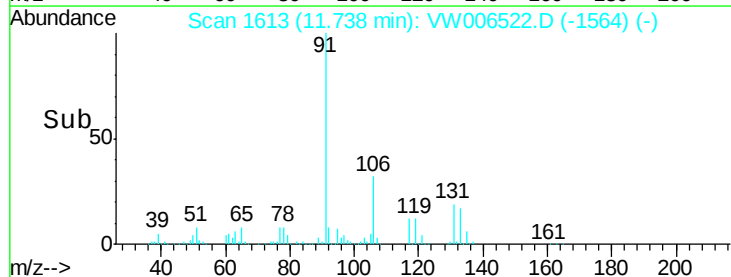
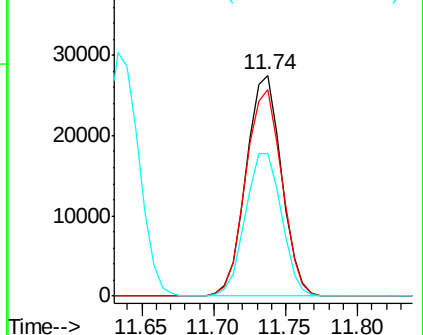
119 66.0 31.6 94.7

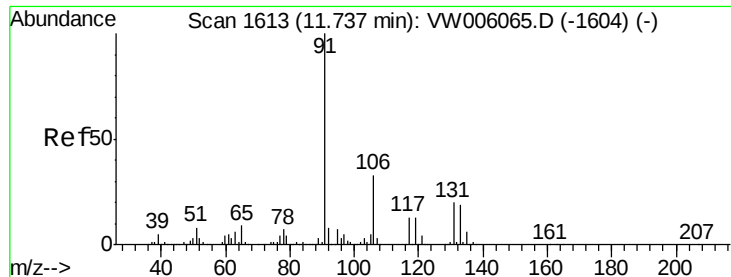


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

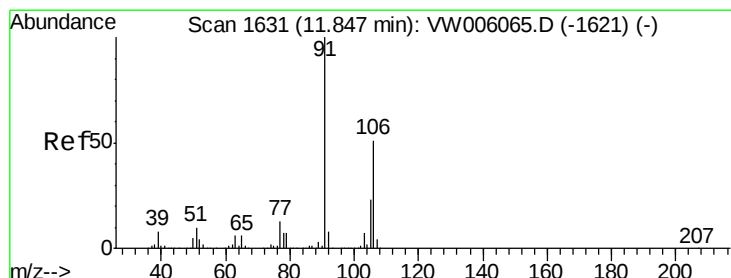
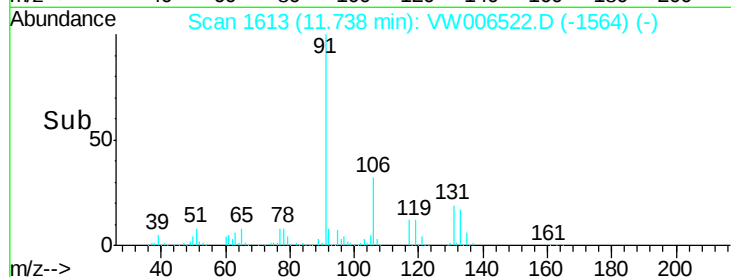
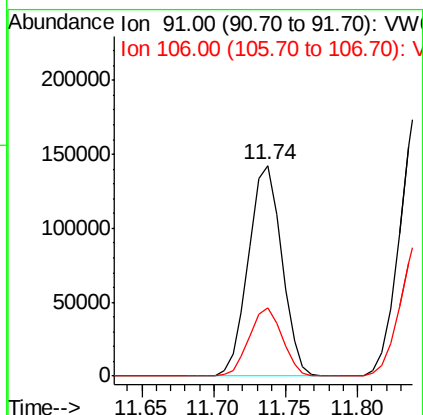
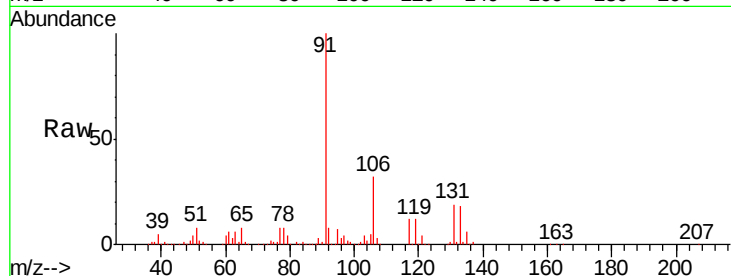




#67
Ethyl Benzene
Concen: 38.98 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

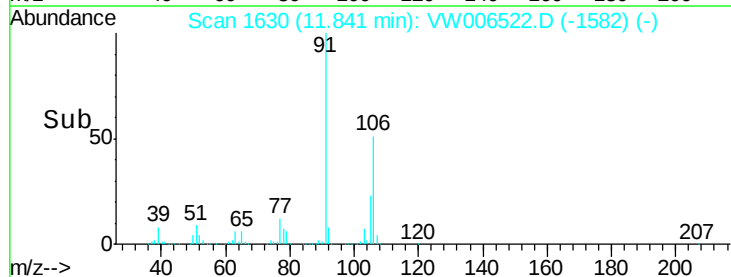
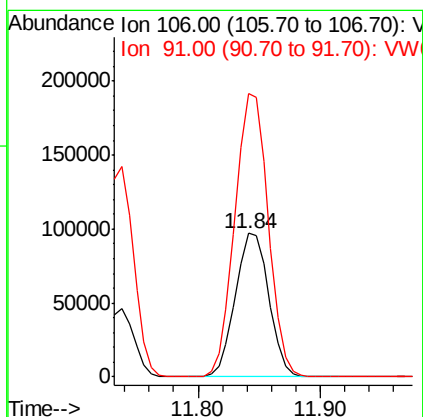
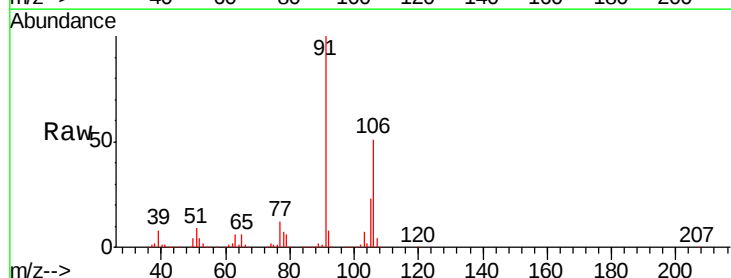
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

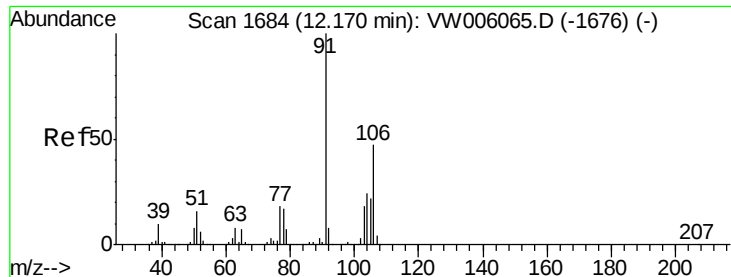
Tgt Ion: 91 Resp: 229280
Ion Ratio Lower Upper
91 100
106 32.5 26.1 39.1



#68
m/p-Xylenes
Concen: 79.38 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 106 Resp: 184551
Ion Ratio Lower Upper
106 100
91 196.3 159.1 238.7

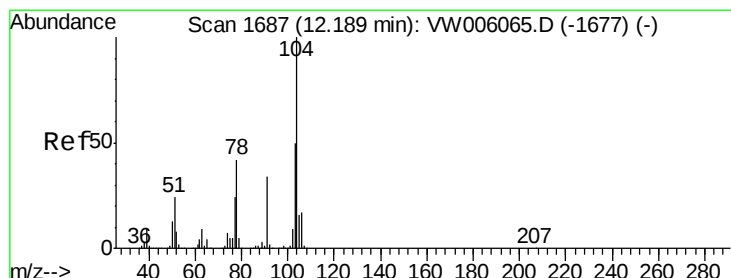
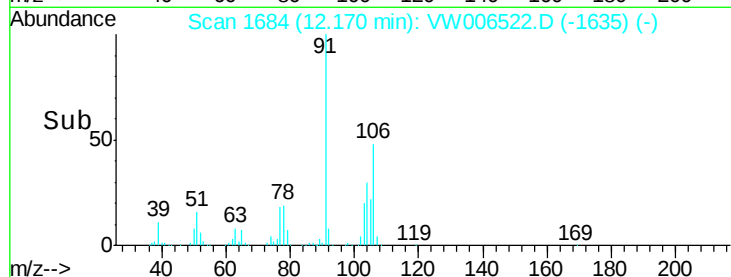
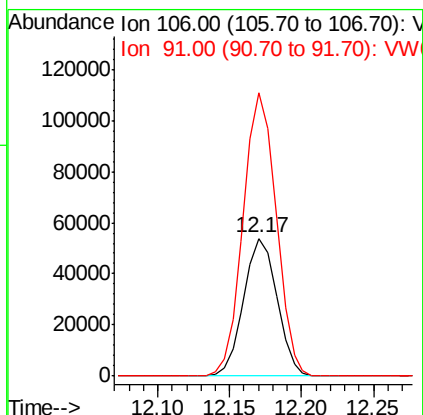
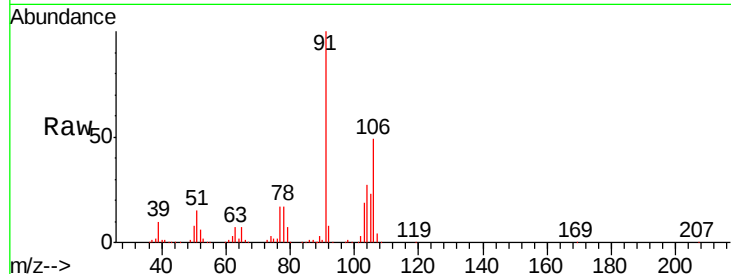




#69
o-Xylene
Concen: 39.04 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

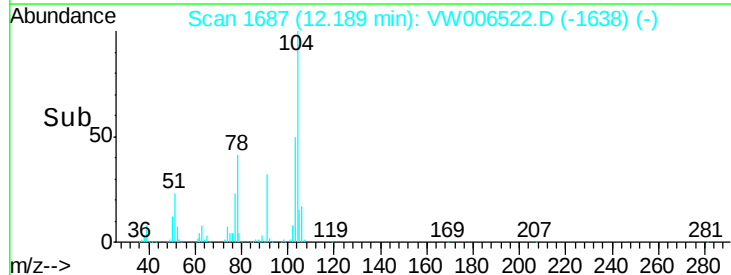
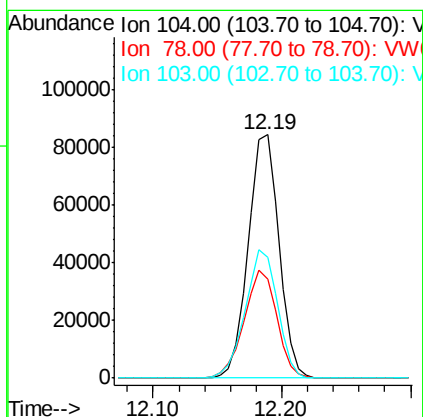
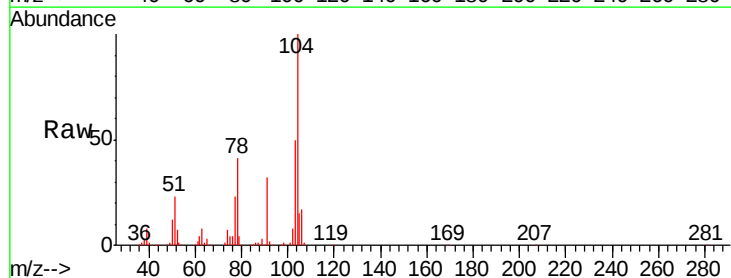
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

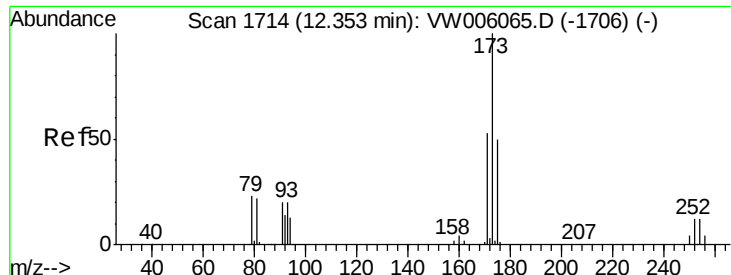
Tgt Ion:106 Resp: 86500
Ion Ratio Lower Upper
106 100
91 204.5 105.4 316.1



#70
Styrene
Concen: 38.51 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion:104 Resp: 138755
Ion Ratio Lower Upper
104 100
78 47.4 39.1 58.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 34.11 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

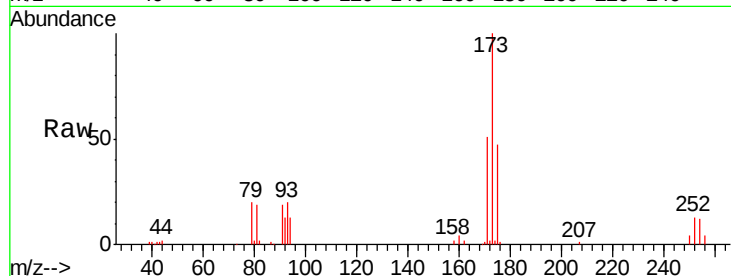
Tgt Ion:173 Resp: 22952

Ion Ratio Lower Upper

173 100

175 48.9 24.2 72.6

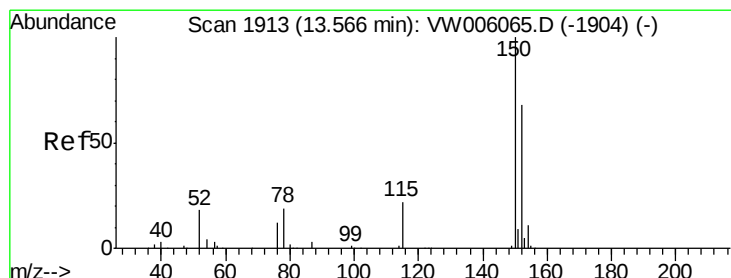
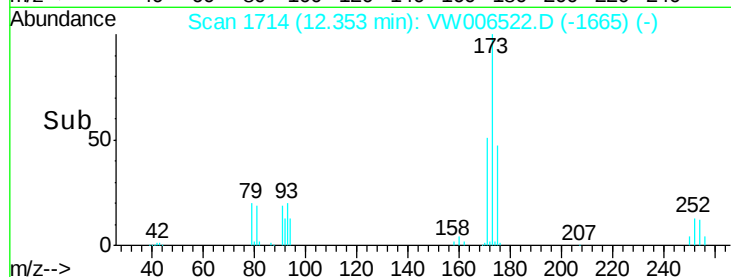
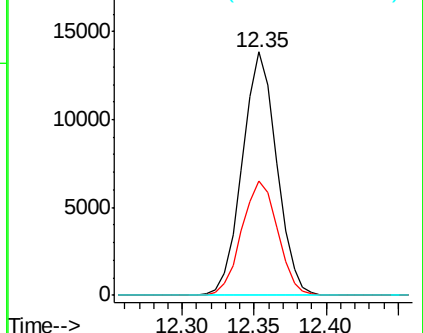
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

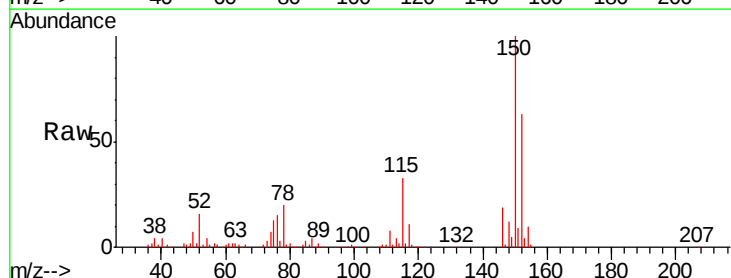
Tgt Ion:152 Resp: 91310

Ion Ratio Lower Upper

152 100

115 53.3 27.8 83.3

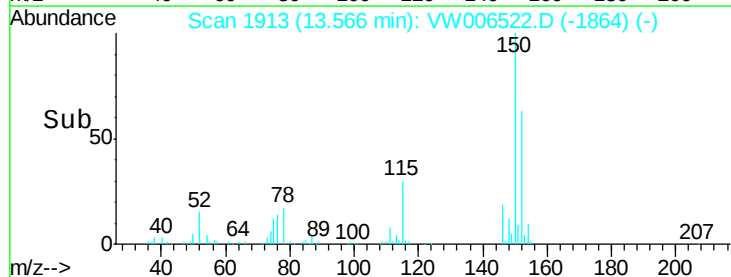
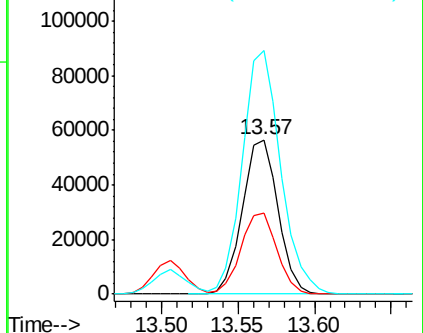
150 169.9 0.0 349.2

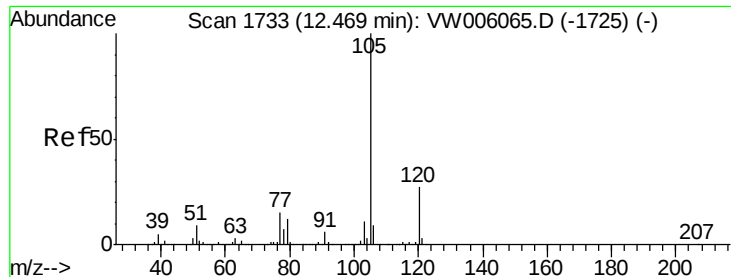


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 37.88 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

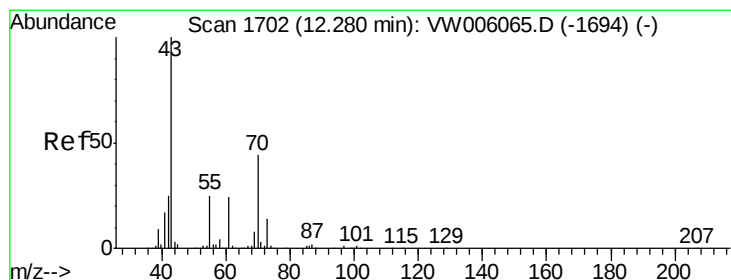
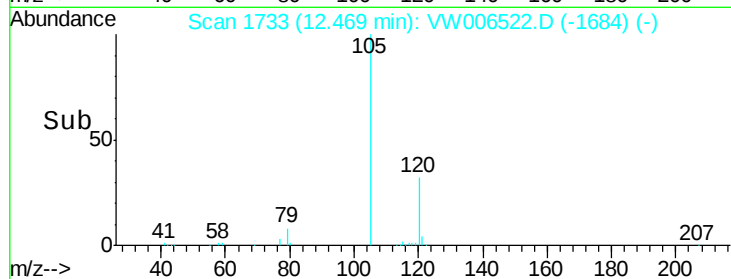
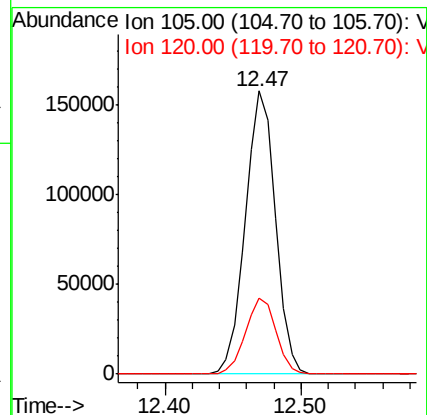
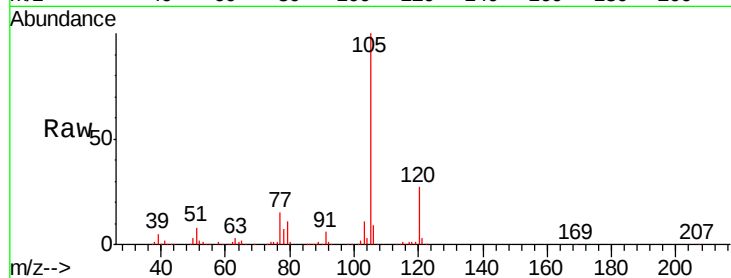
VW1101SBSD01

Tgt Ion:105 Resp: 244336

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 29.89 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Tgt Ion: 43 Resp: 37444

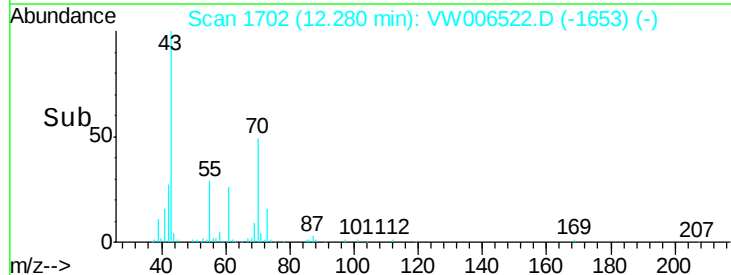
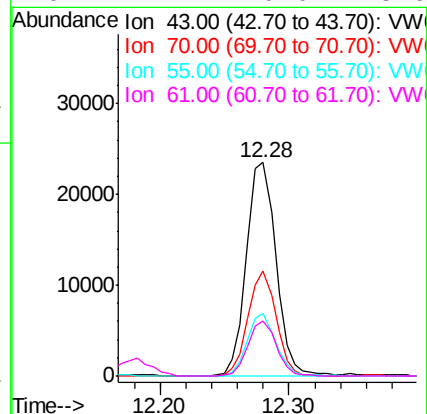
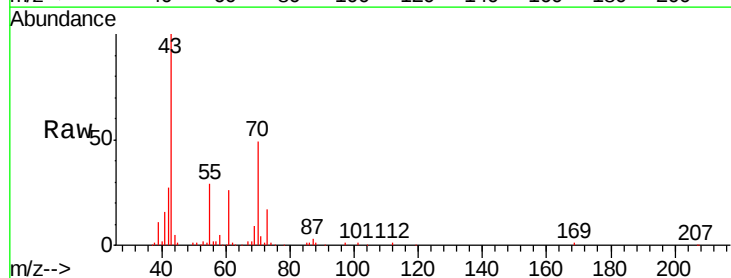
Ion Ratio Lower Upper

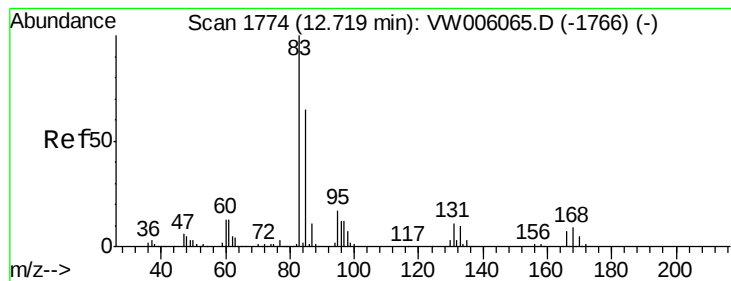
43 100

70 46.8 34.2 51.4

55 28.2 19.2 28.8

61 24.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 36.36 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

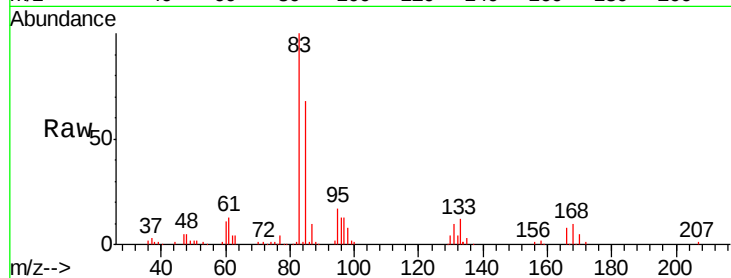
Tgt Ion: 83 Resp: 35671

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.7

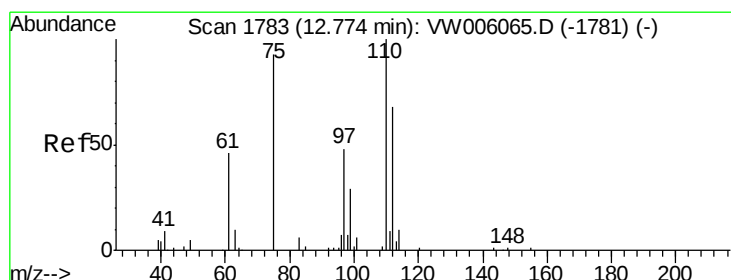
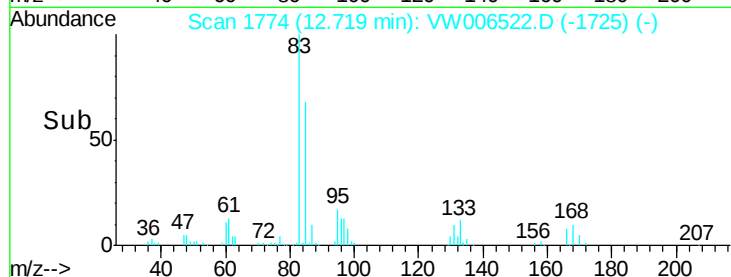
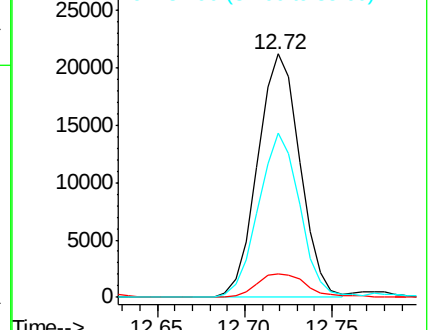
85 66.2 31.9 95.9



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: 63.37 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006522.D

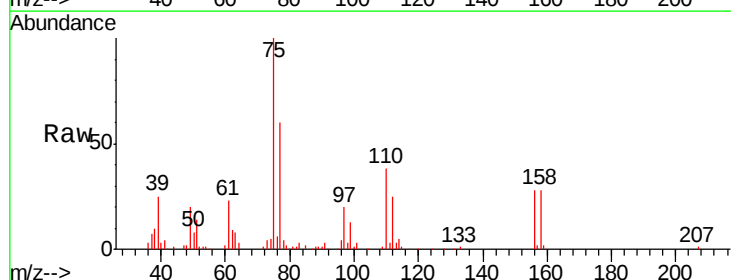
Acq: 31 Oct 2018 13:35

Tgt Ion: 75 Resp: 44194

Ion Ratio Lower Upper

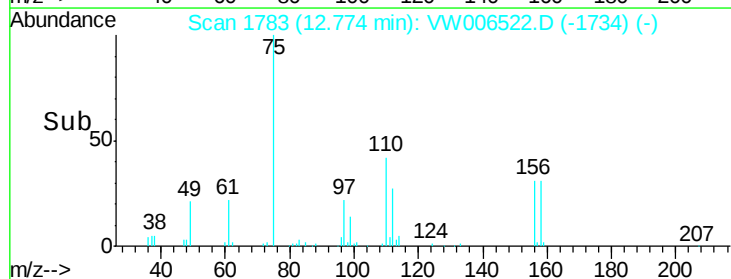
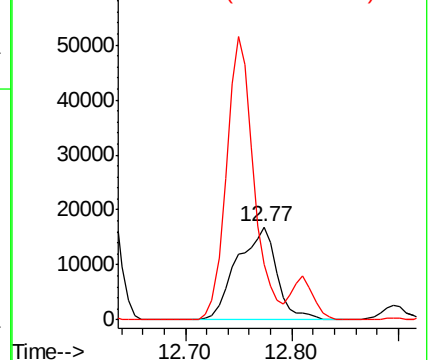
75 100

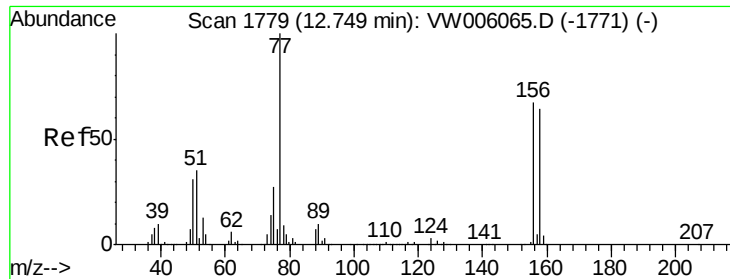
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 38.32 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

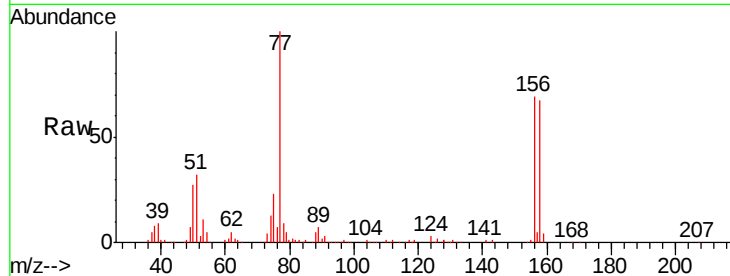
Tgt Ion:156 Resp: 60549

Ion Ratio Lower Upper

156 100

77 153.1 79.1 237.4

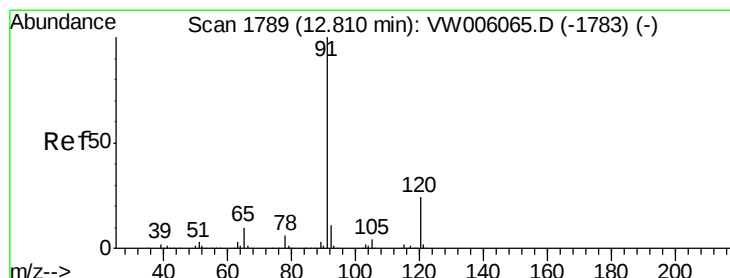
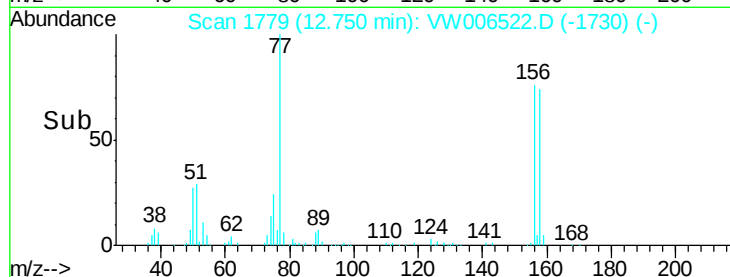
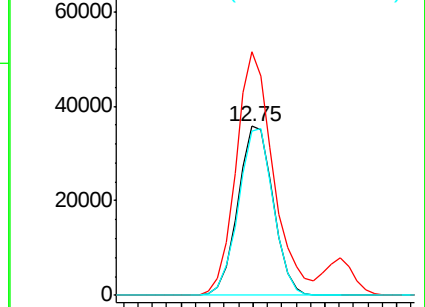
158 97.2 48.5 145.6



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: 38.19 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006522.D

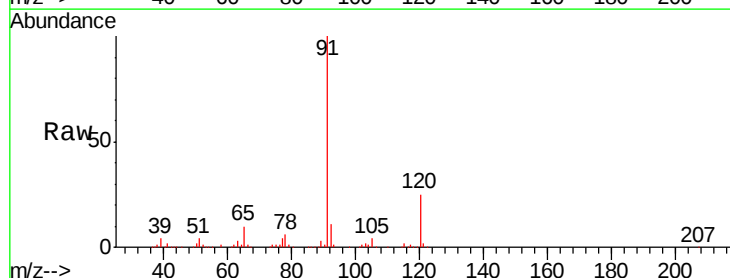
Acq: 31 Oct 2018 13:35

Tgt Ion: 91 Resp: 286610

Ion Ratio Lower Upper

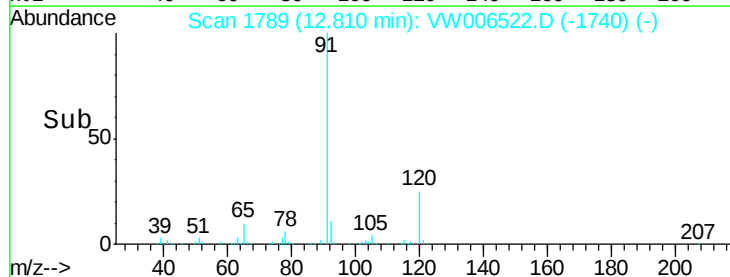
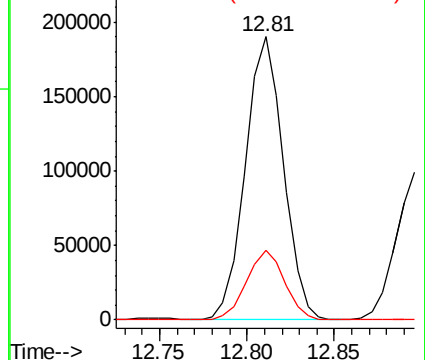
91 100

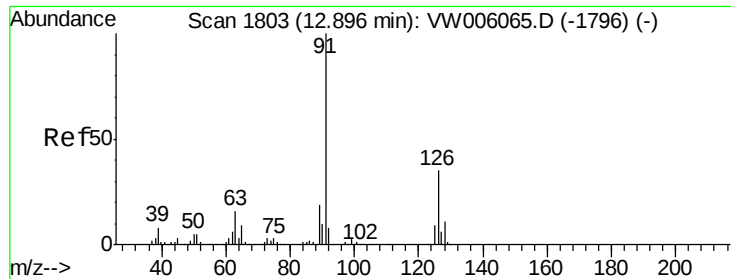
120 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

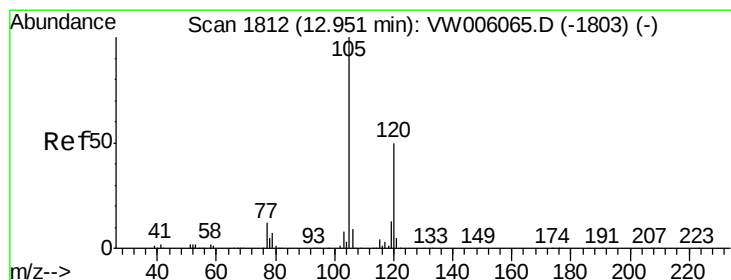
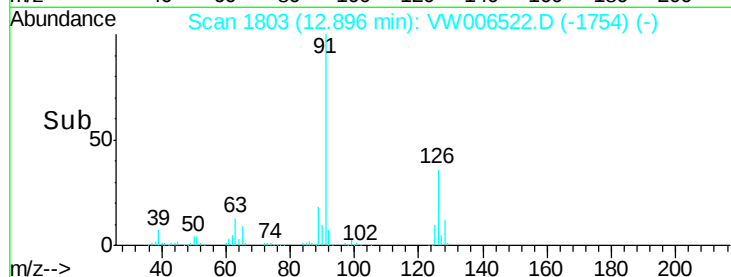
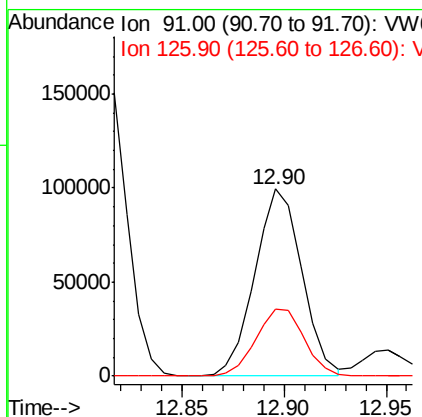
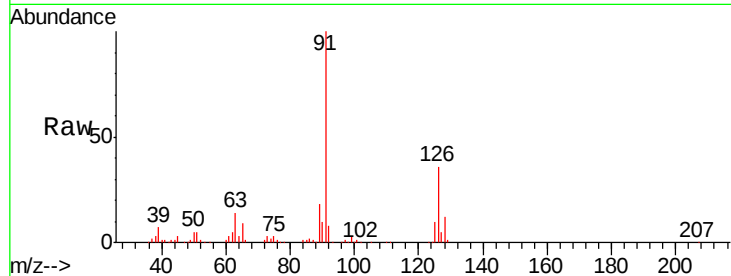




#79
 2-Chlorotoluene
 Concen: 37.90 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

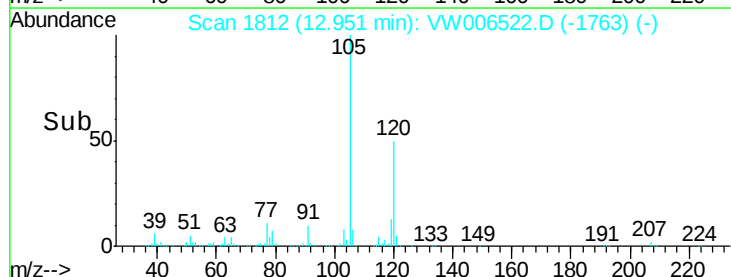
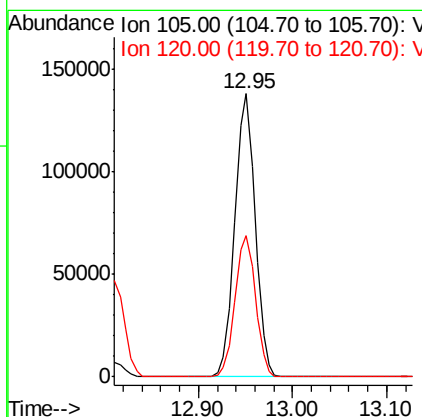
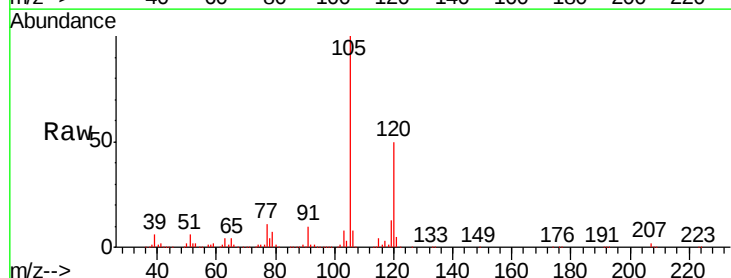
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

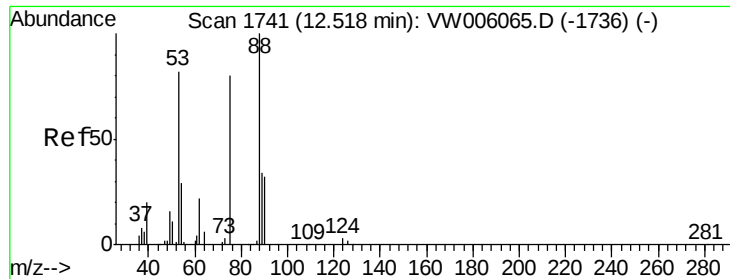
Tgt Ion: 91 Resp: 159795
 Ion Ratio Lower Upper
 91 100
 126 36.8 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 38.24 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion: 105 Resp: 207967
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.6

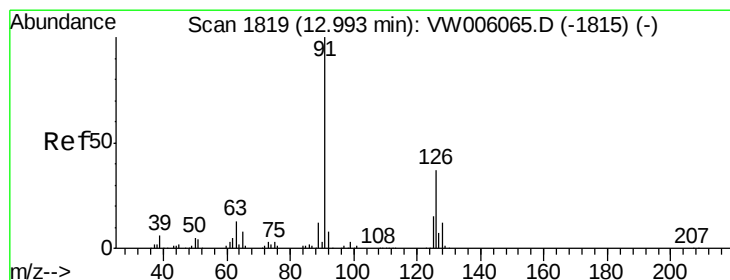
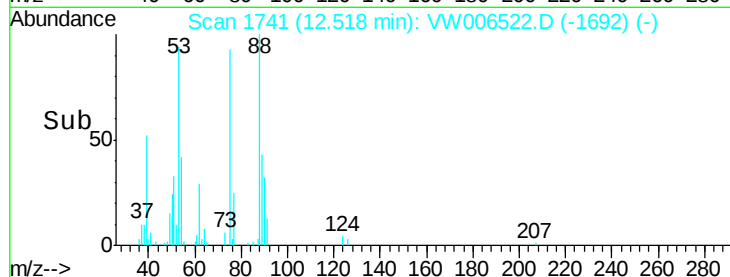
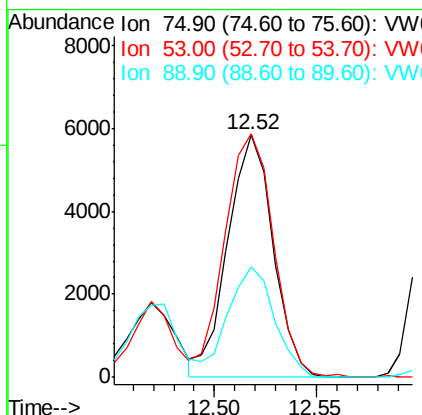
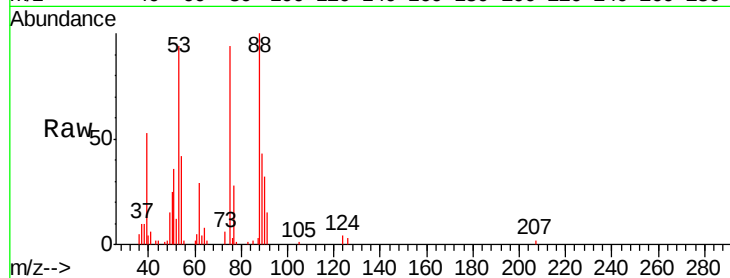




#81
trans-1,4-Dichloro-2-butene
Concen: 30.80 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

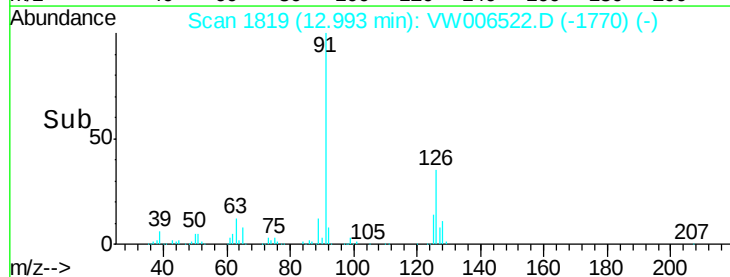
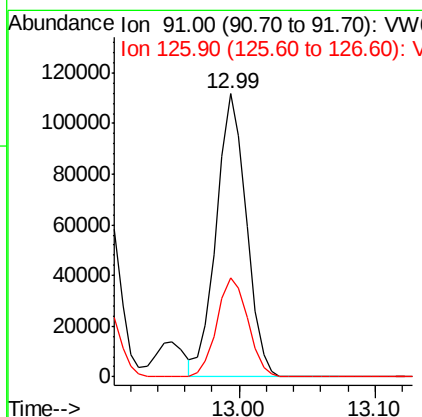
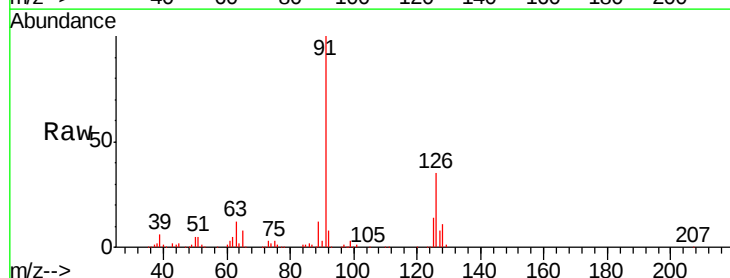
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

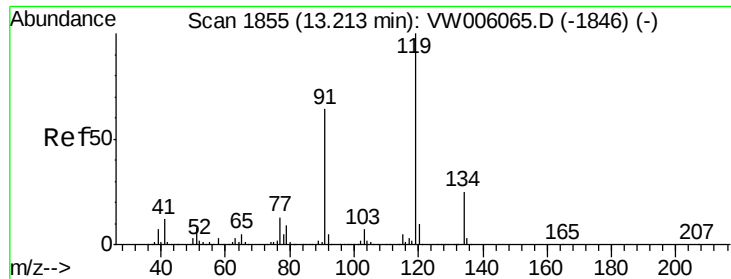
Tgt Ion: 75 Resp: 8985
Ion Ratio Lower Upper
75 100
53 108.4 79.8 119.6
89 46.2 37.5 56.3



#82
4-Chlorotoluene
Concen: 38.71 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion: 91 Resp: 170973
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.3

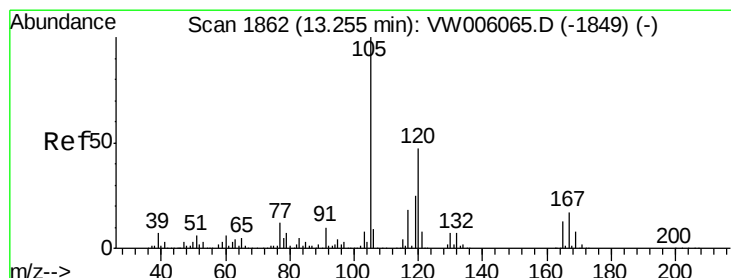
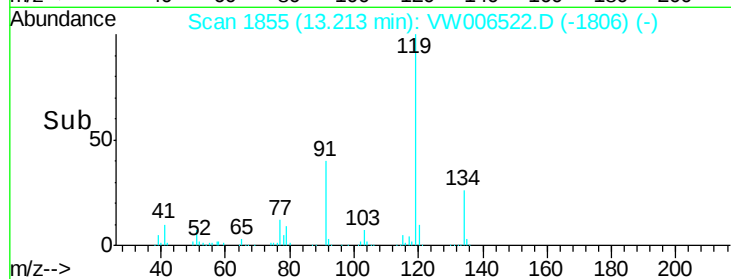
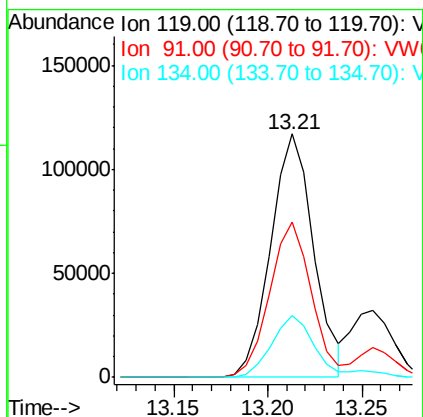
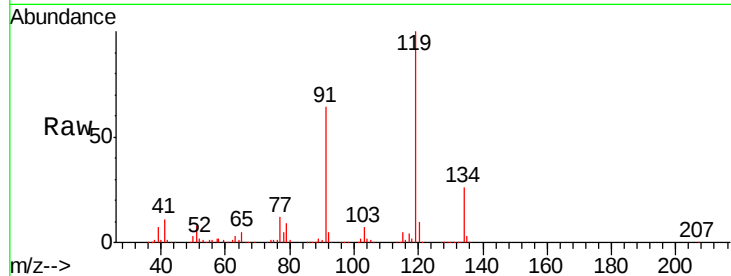




#83
 tert-Butylbenzene
 Concen: 37.93 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

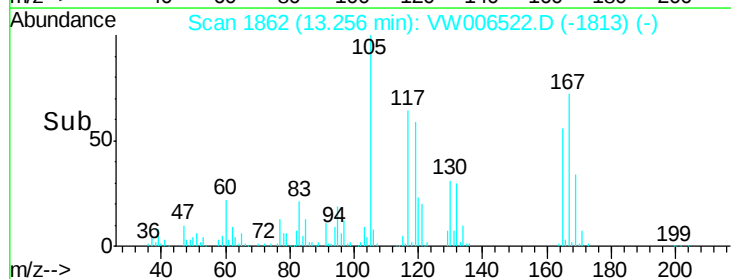
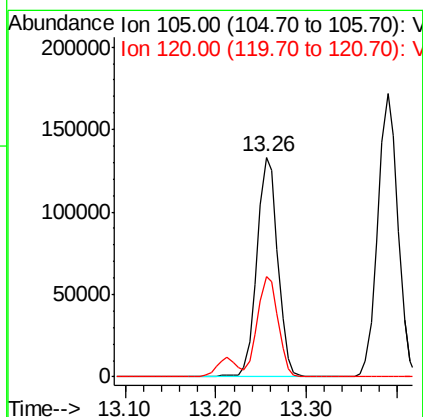
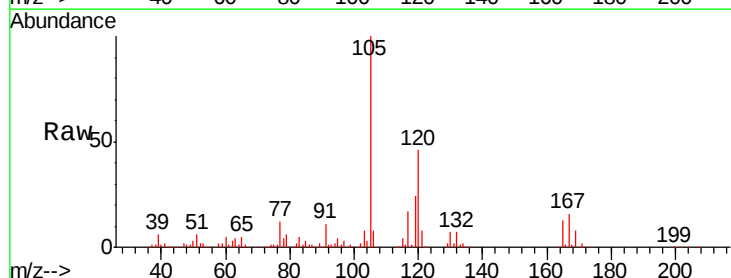
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

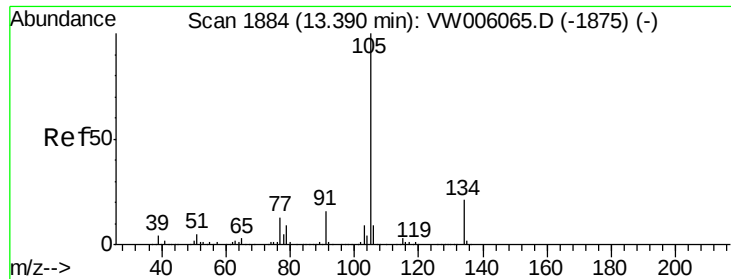
Tgt Ion:119 Resp: 184572
 Ion Ratio Lower Upper
 119 100
 91 61.8 32.3 96.9
 134 25.3 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 38.39 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion:105 Resp: 211258
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.1 69.3

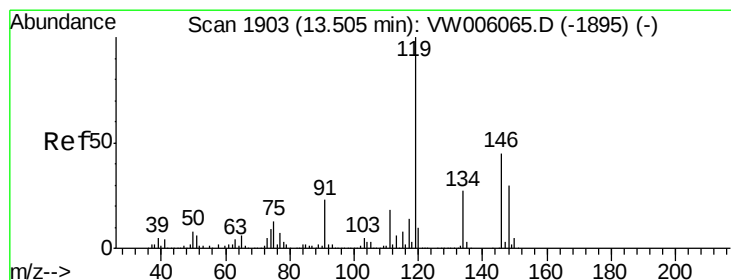
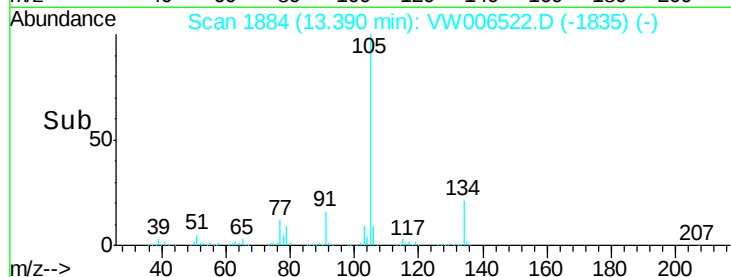
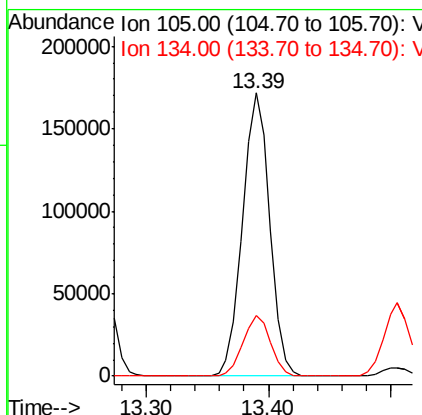
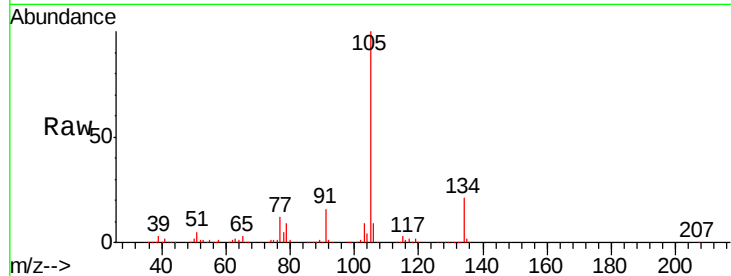




#85
 sec-Butylbenzene
 Concen: 38.47 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

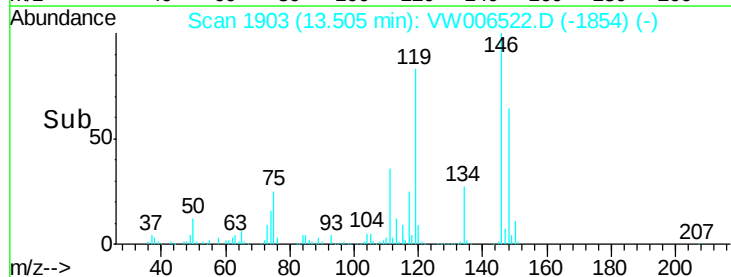
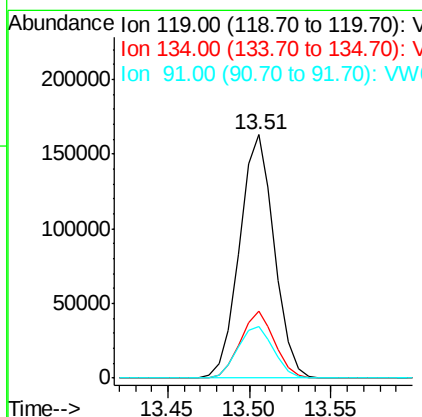
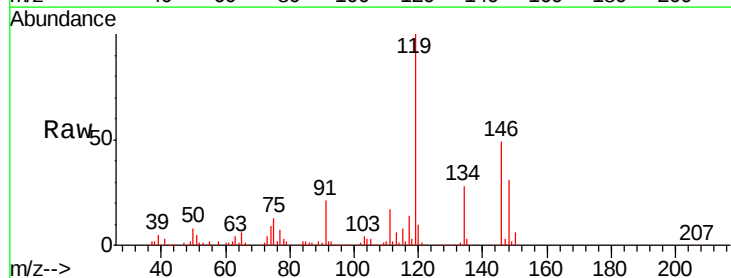
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

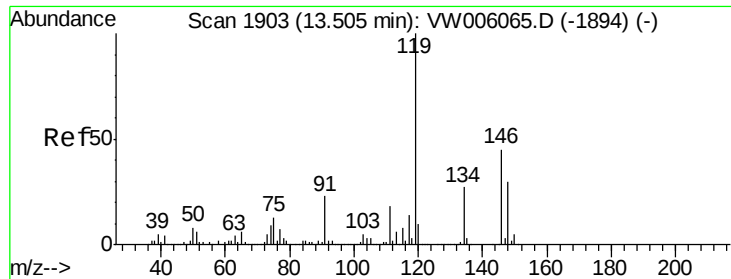
Tgt Ion:105 Resp: 264428
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 38.70 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion:119 Resp: 240607
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 22.1 11.4 34.1

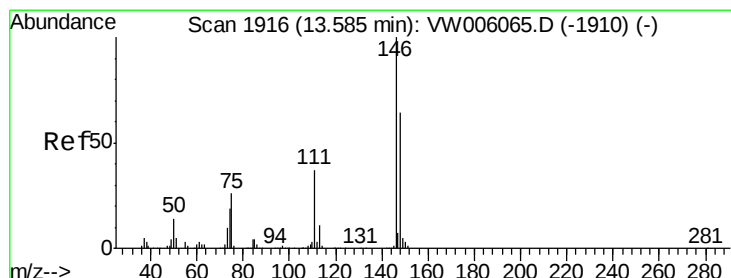
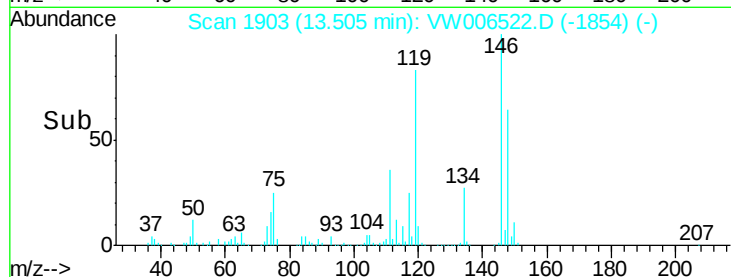
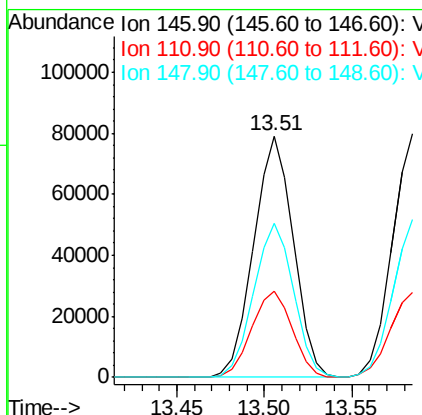
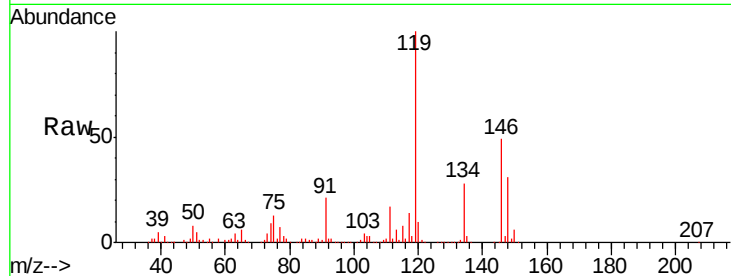




#87
 1,3-Dichlorobenzene
 Concen: 39.59 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

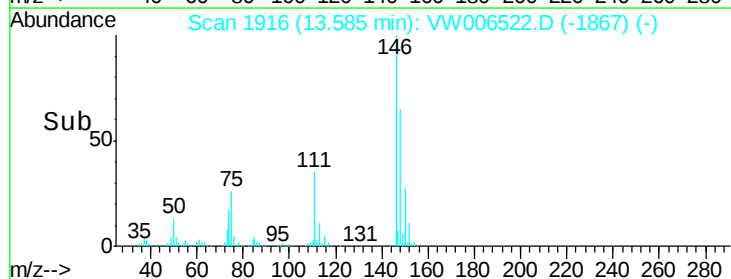
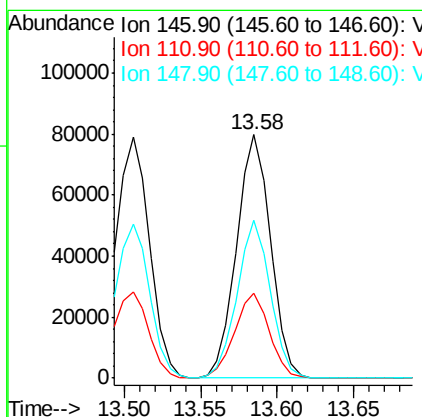
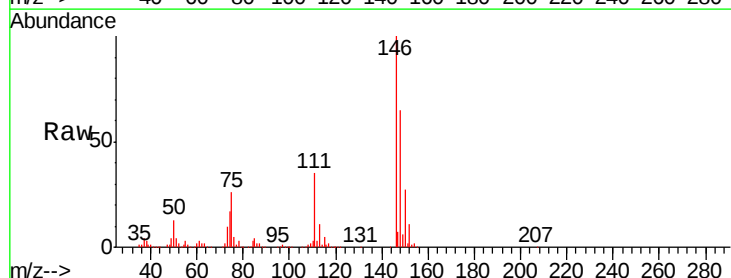
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

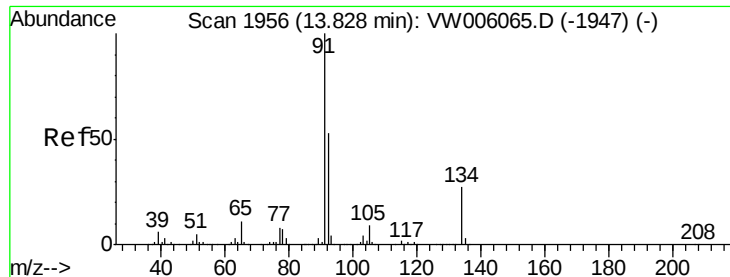
Tgt Ion:146 Resp: 124481
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.1 57.5
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 39.35 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion:146 Resp: 123209
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.6 56.0
 148 63.3 32.1 96.5





#89

n-Butylbenzene

Concen: 38.43 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBS01

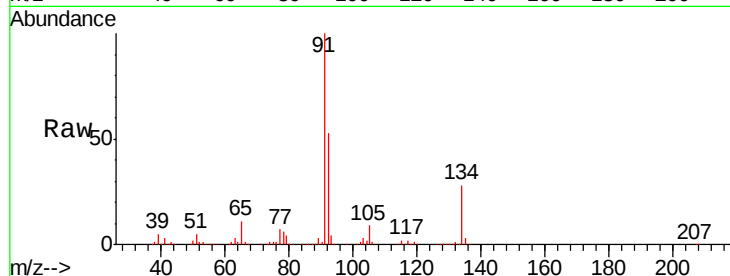
Tgt Ion: 91 Resp: 218499

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.7

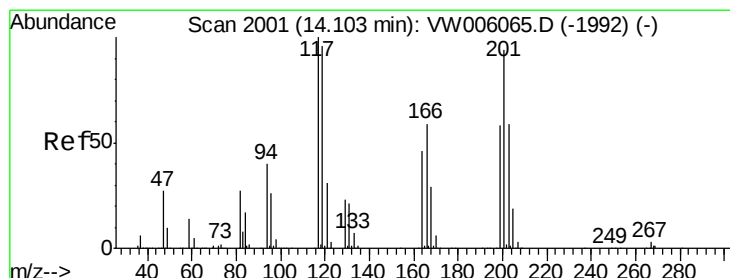
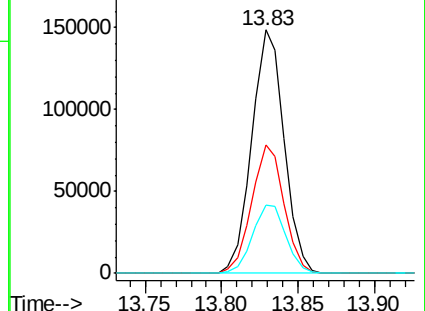
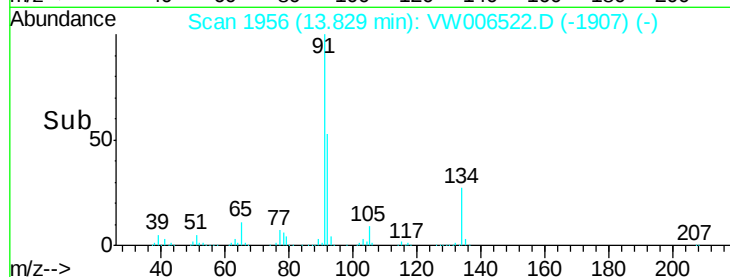
134 28.9 14.0 41.9



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: 36.85 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006522.D

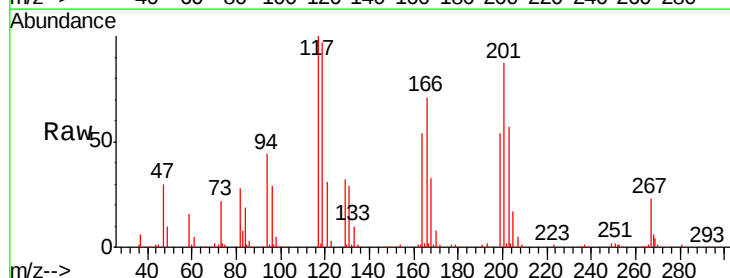
Acq: 31 Oct 2018 13:35

Tgt Ion: 117 Resp: 38802

Ion Ratio Lower Upper

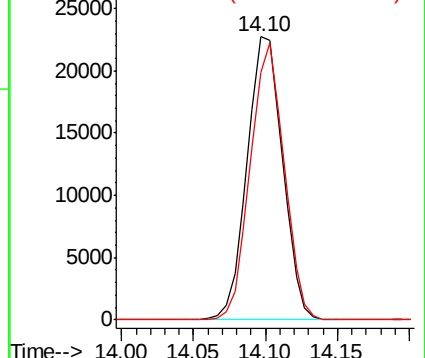
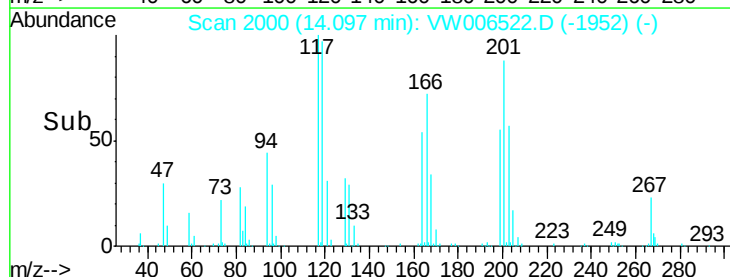
117 100

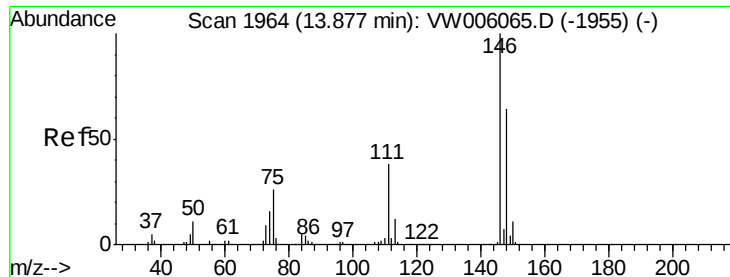
201 92.8 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 38.90 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

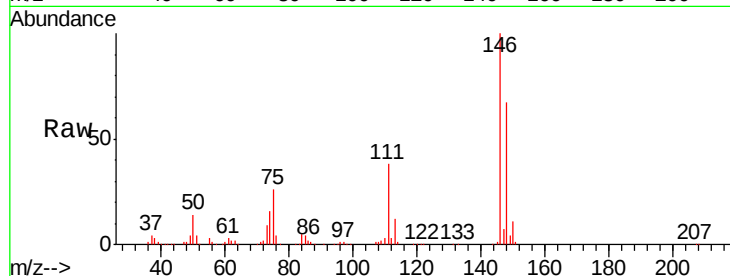
Tgt Ion:146 Resp: 109120

Ion Ratio Lower Upper

146 100

111 37.8 19.6 58.7

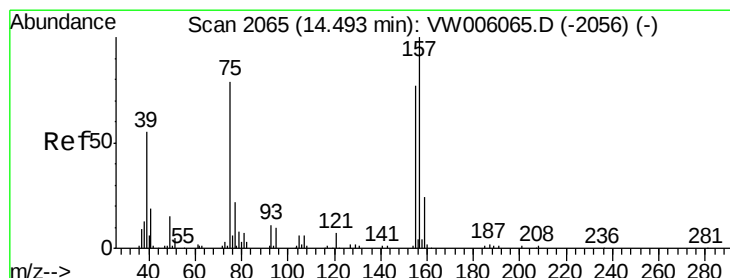
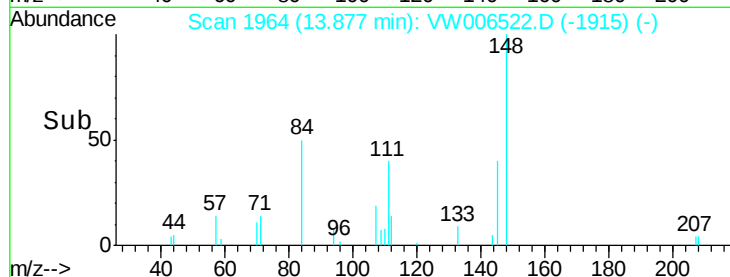
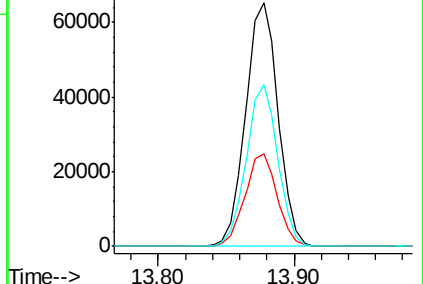
148 64.4 32.2 96.6



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: 30.36 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006522.D

Acq: 31 Oct 2018 13:35

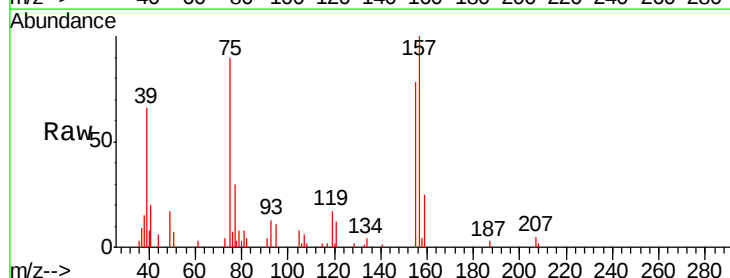
Tgt Ion: 75 Resp: 5333

Ion Ratio Lower Upper

75 100

155 101.0 46.5 139.5

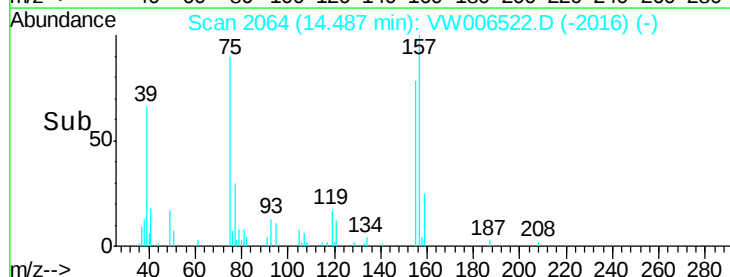
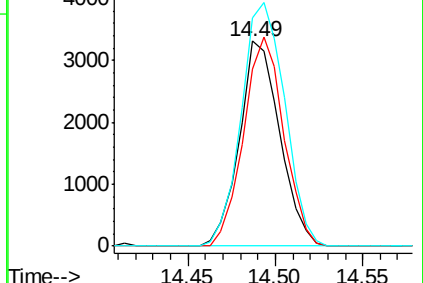
157 127.2 59.8 179.4

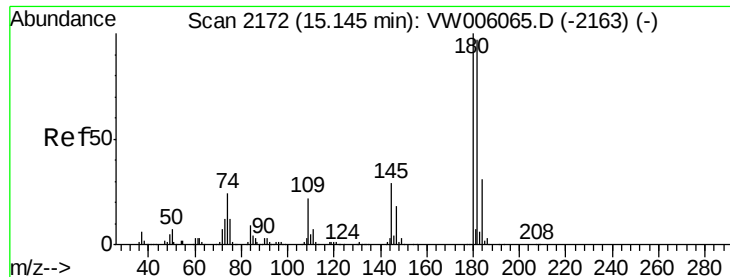


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

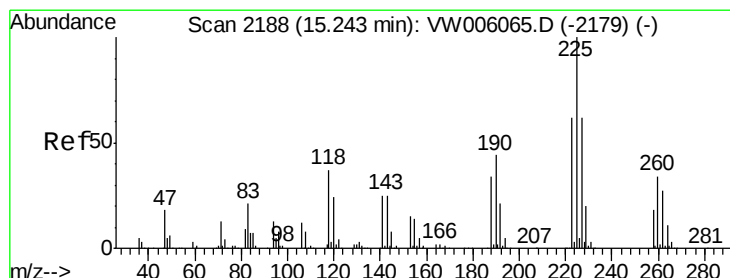
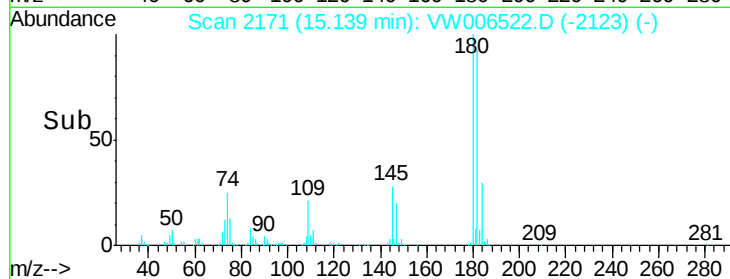
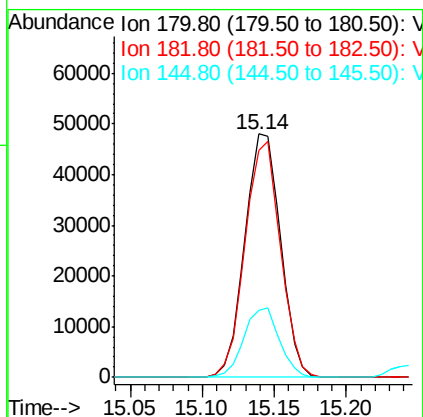
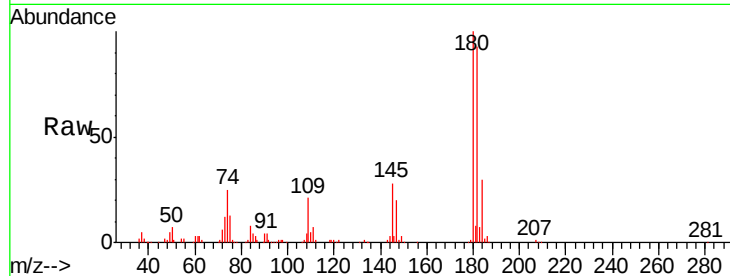




#93
 1,2,4-Trichlorobenzene
 Concen: 38.17 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

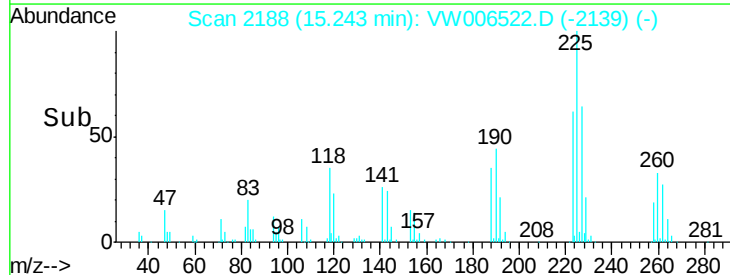
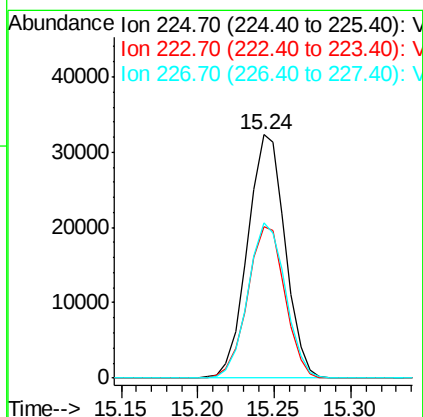
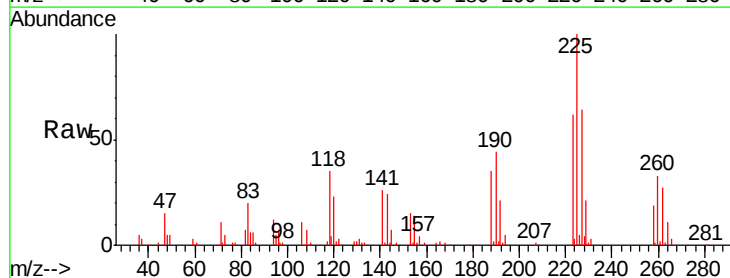
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

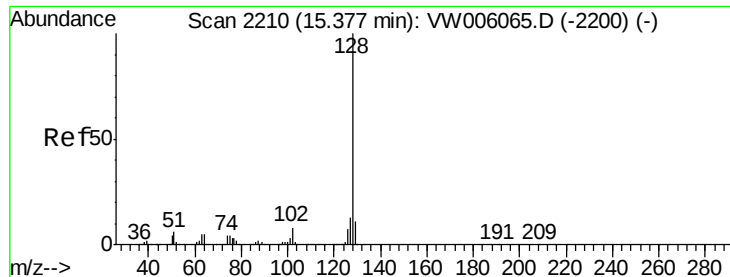
Tgt Ion:180 Resp: 82379
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.9 143.6
 145 28.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 40.67 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006522.D
 Acq: 31 Oct 2018 13:35

Tgt Ion:225 Resp: 55138
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.5
 227 63.7 32.4 97.0

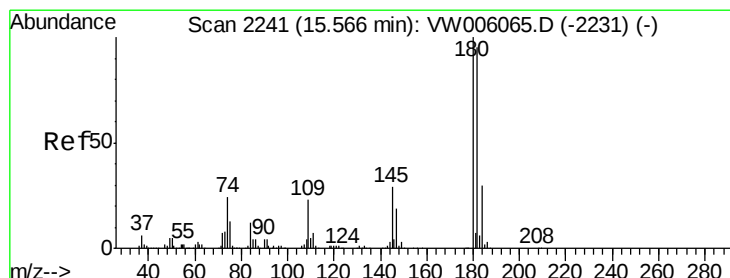
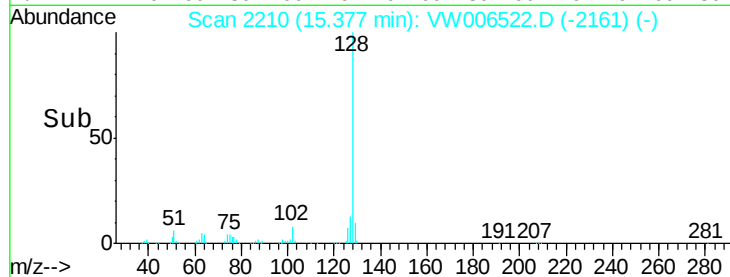
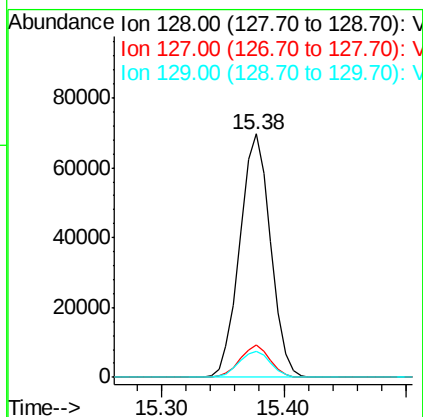
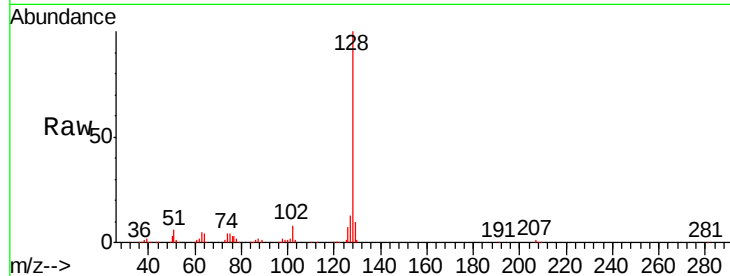




#95
Naphthalene
Concen: 33.90 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tgt Ion:128 Resp: 121695
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 38.08 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006522.D
Acq: 31 Oct 2018 13:35

Tgt Ion:180 Resp: 71083
Ion Ratio Lower Upper
180 100
182 94.3 47.8 143.3
145 28.8 15.0 45.1

