

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
 Data File : VW006526.D
 Acq On : 31 Oct 2018 15:18
 Operator : SY/AP
 Sample : VW1101SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Quant Time: Oct 31 16:33:00 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	249006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	348250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178752	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	92320	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	
35) Dibromofluoromethane	7.88	113	100852	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.33	98	369152	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.62	95	142052	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21146	17.16	ug/l	98
3) Chloromethane	2.21	50	29044	18.31	ug/l	99
4) Vinyl Chloride	2.37	62	45074	19.90	ug/l	98
5) Bromomethane	2.79	94	38210	18.55	ug/l	97
6) Chloroethane	2.93	64	32350	19.93	ug/l	96
7) Trichlorofluoromethane	3.26	101	41779	19.80	ug/l	100
8) Diethyl Ether	3.68	74	23180	20.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49685	22.47	ug/l	98
10) Methyl Iodide	4.27	142	80733	21.93	ug/l	98
11) Tert butyl alcohol	5.24	59	13649	98.31	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	45854	22.04	ug/l	97
13) Acrolein	3.90	56	12170	90.59	ug/l	89
14) Allyl chloride	4.67	41	59027	19.84	ug/l	97
15) Acrylonitrile	5.38	53	43746	108.75	ug/l	99
16) Acetone	4.14	43	49798	120.94	ug/l	99
17) Carbon Disulfide	4.38	76	111764	17.80	ug/l	99
18) Methyl Acetate	4.68	43	22443	21.60	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	68594	21.65	ug/l	100
20) Methylene Chloride	4.92	84	55864	24.75	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	50963	21.95	ug/l	99
22) Diisopropyl ether	6.32	45	126349	21.49	ug/l	96
23) Vinyl Acetate	6.26	43	345380	99.55	ug/l	98
24) 1,1-Dichloroethane	6.21	63	85027	22.42	ug/l	99
25) 2-Butanone	7.18	43	63540	113.93	ug/l	96
26) 2,2-Dichloropropane	7.17	77	57847	21.62	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58983	23.02	ug/l	97
28) Bromochloromethane	7.52	49	25950	17.72	ug/l	88
29) Tetrahydrofuran	7.54	42	34033	99.28	ug/l	97
30) Chloroform	7.68	83	95510	23.11	ug/l	100
31) Cyclohexane	7.95	56	73862	19.55	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	81909	21.97	ug/l	99
36) 1,1-Dichloropropene	8.09	75	72527	22.59	ug/l	100
37) Ethyl Acetate	7.26	43	24073	20.19	ug/l	95
38) Carbon Tetrachloride	8.07	117	76919	21.86	ug/l	97

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 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Quant Time: Oct 31 16:33:00 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	90896	21.30	ug/l	98
40) Benzene	8.32	78	202317	22.98	ug/l	98
41) Methacrylonitrile	7.49	41	13608	18.93	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	57456	22.21	ug/l	98
43) Isopropyl Acetate	8.43	43	48703	19.97	ug/l	97
44) Trichloroethene	9.09	130	63232	23.41	ug/l	97
45) 1,2-Dichloropropane	9.37	63	48288	22.92	ug/l	98
46) Dibromomethane	9.46	93	27462	22.87	ug/l	96
47) Bromodichloromethane	9.65	83	64231	22.06	ug/l	99
48) Methyl methacrylate	9.44	41	22828	19.75	ug/l	91
49) 1,4-Dioxane	9.48	88	8144	440.53	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	127032	103.98	ug/l	97
52) Toluene	10.39	92	137308	23.26	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	62423	21.52	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	74022	22.23	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	40134	23.88	ug/l	98
56) Ethyl methacrylate	10.65	69	44433	21.57	ug/l	92
57) 1,3-Dichloropropane	10.93	76	64053	23.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	84437	107.26	ug/l	97
59) 2-Hexanone	10.98	43	95291	109.26	ug/l	97
60) Dibromochloromethane	11.13	129	47304	22.60	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39276	23.39	ug/l	99
64) Tetrachloroethene	10.87	164	57731	23.56	ug/l	97
65) Chlorobenzene	11.66	112	160846	23.81	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	56532	23.55	ug/l	99
67) Ethyl Benzene	11.74	91	272091	23.24	ug/l	100
68) m/p-Xylenes	11.84	106	216262	46.73	ug/l	98
69) o-Xylene	12.17	106	103692	23.51	ug/l	96
70) Styrene	12.18	104	164384	22.92	ug/l	98
71) Bromoform	12.35	173	28127	21.00	ug/l #	97
73) Isopropylbenzene	12.47	105	289018	22.89	ug/l	99
74) N-amyl acetate	12.28	43	47602	19.41	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	44152	22.99	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	56055	41.06	ug/l #	100
77) Bromobenzene	12.75	156	73004	23.60	ug/l	96
78) n-propylbenzene	12.81	91	335425	22.83	ug/l	99
79) 2-Chlorotoluene	12.90	91	188892	22.88	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	243566	22.88	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11044	19.34	ug/l	97
82) 4-Chlorotoluene	12.99	91	199349	23.05	ug/l	100
83) tert-Butylbenzene	13.21	119	219581	23.05	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	248663	23.08	ug/l	99
85) sec-Butylbenzene	13.39	105	309248	22.98	ug/l	99
86) p-Isopropyltoluene	13.51	119	279539	22.97	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	144651	23.50	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	144583	23.59	ug/l	100
89) n-Butylbenzene	13.83	91	251747	22.62	ug/l	99
90) Hexachloroethane	14.10	117	43777	21.23	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	129959	23.67	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6602	19.20	ug/l	88

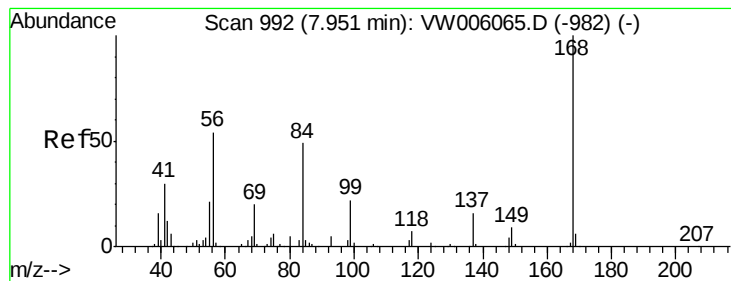
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110118\
Data File : VW006526.D
Acq On : 31 Oct 2018 15:18
Operator : SY/AP
Sample : VW1101SBSD01
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MSVOA_W
ClientSampleId :
VW1101SBSD01

Quant Time: Oct 31 16:33:00 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.14	180	97668	23.12	ug/l	99
94) Hexachlorobutadiene	15.24	225	63504	23.93	ug/l	100
95) Naphthalene	15.38	128	154431	21.97	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	85352	23.36	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

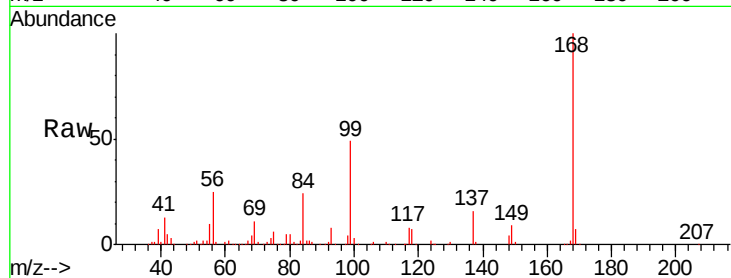
VW1101SBSD01

Tgt Ion:168 Resp: 249006

Ion Ratio Lower Upper

168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

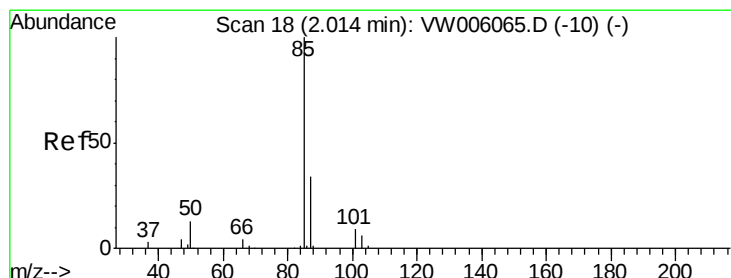
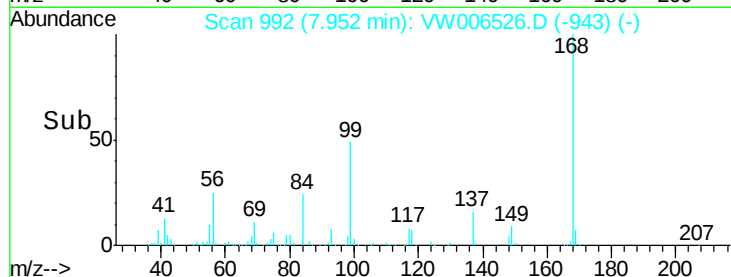
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.16 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006526.D

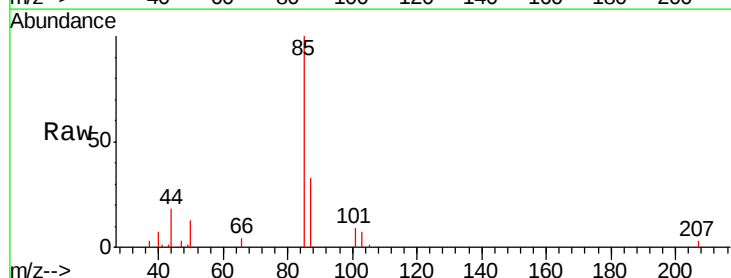
Acq: 31 Oct 2018 15:18

Tgt Ion: 85 Resp: 21146

Ion Ratio Lower Upper

85 100

87 32.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

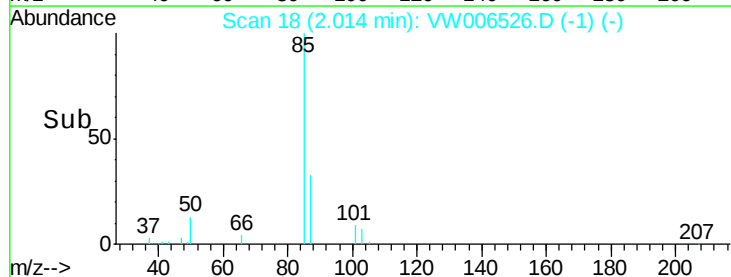
2000

1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.31 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

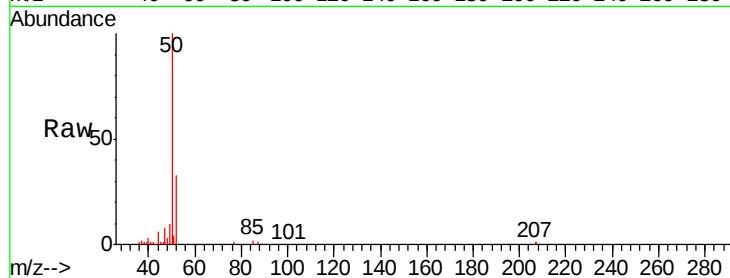
VW1101SBSD01

Tgt Ion: 50 Resp: 29044

Ion Ratio Lower Upper

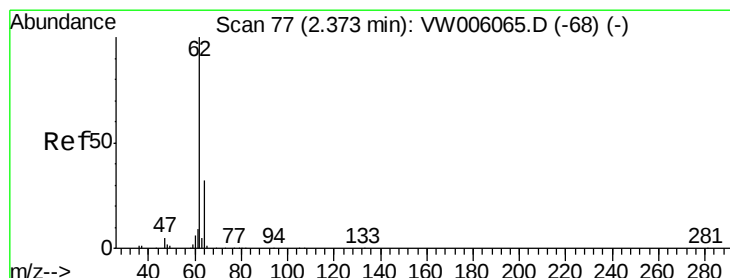
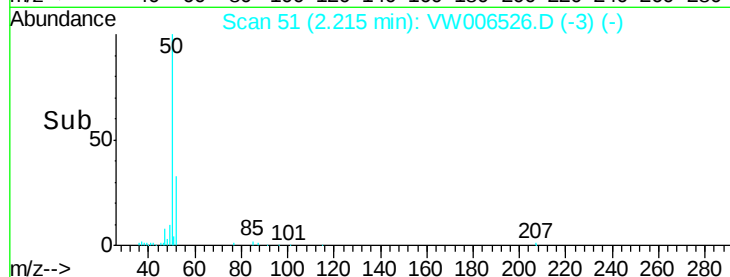
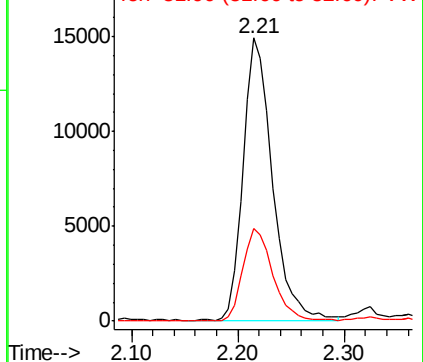
50 100

52 32.7 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 19.90 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006526.D

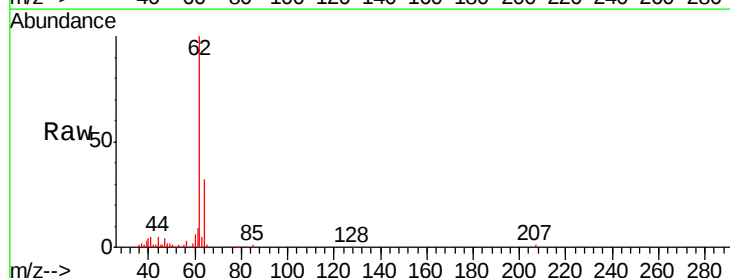
Acq: 31 Oct 2018 15:18

Tgt Ion: 62 Resp: 45074

Ion Ratio Lower Upper

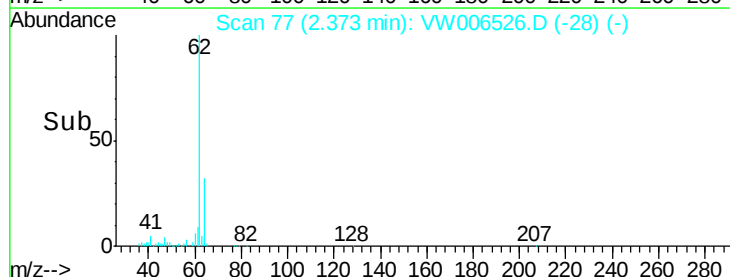
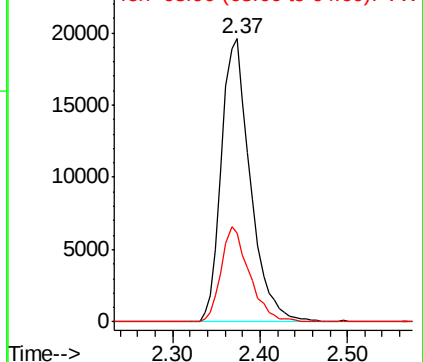
62 100

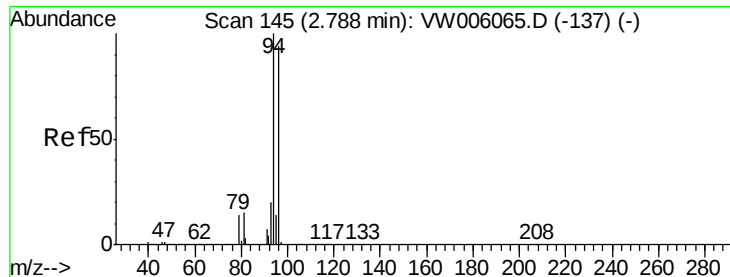
64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 18.55 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

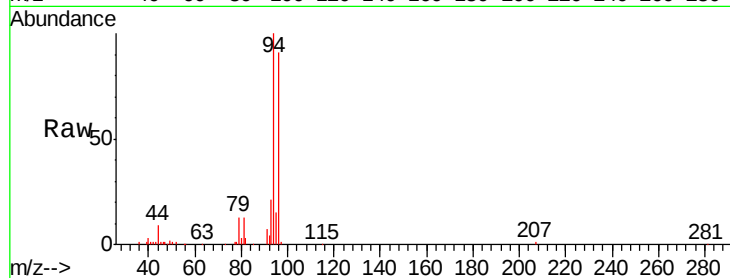
VW1101SBSD01

Tgt Ion: 94 Resp: 38210

Ion Ratio Lower Upper

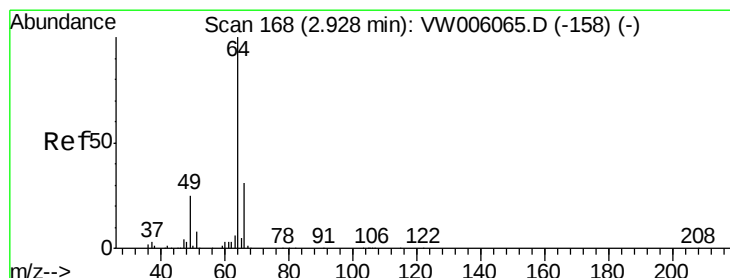
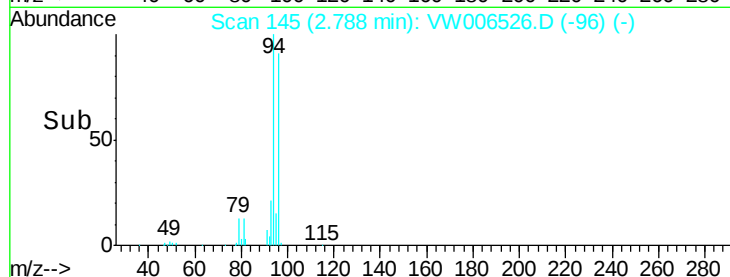
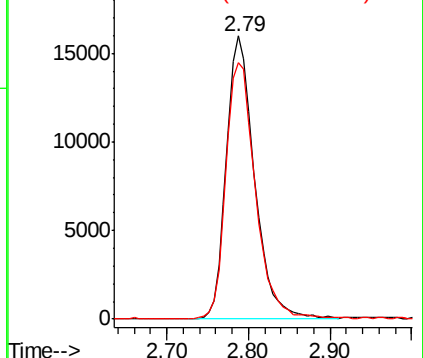
94 100

96 90.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.93 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006526.D

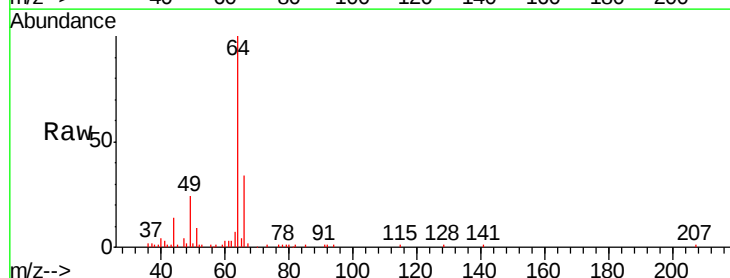
Acq: 31 Oct 2018 15:18

Tgt Ion: 64 Resp: 32350

Ion Ratio Lower Upper

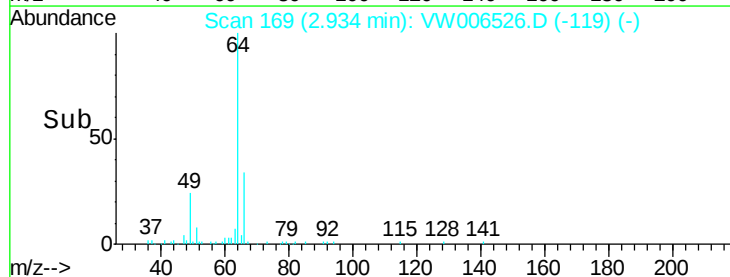
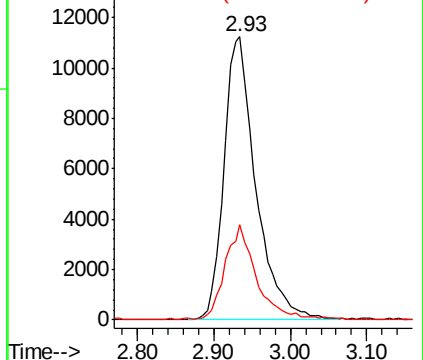
64 100

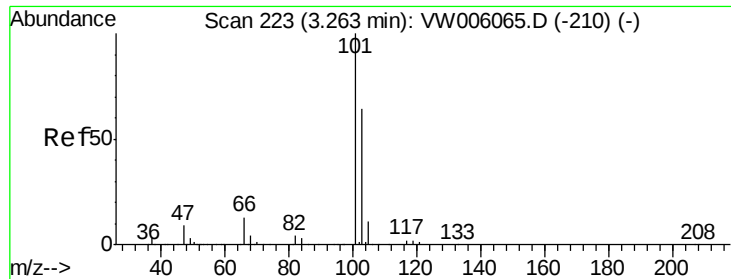
66 33.2 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



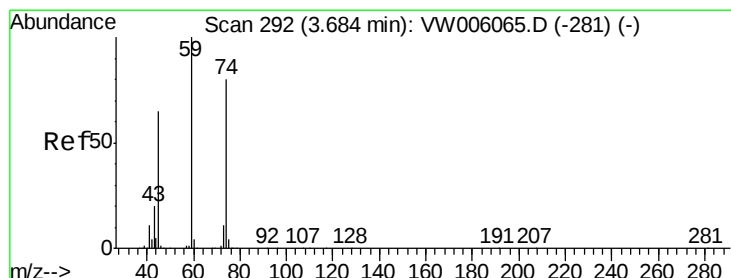
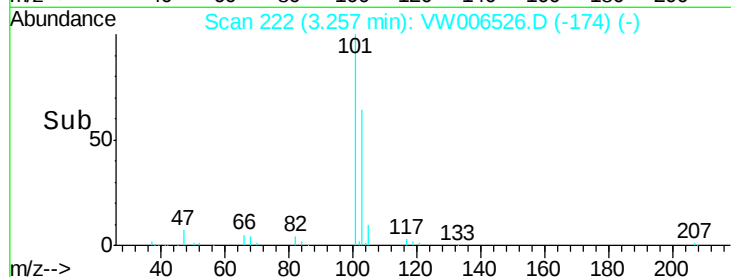
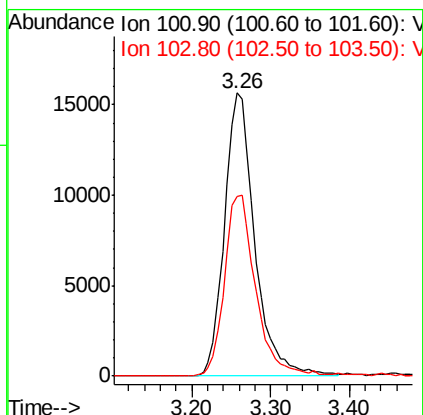
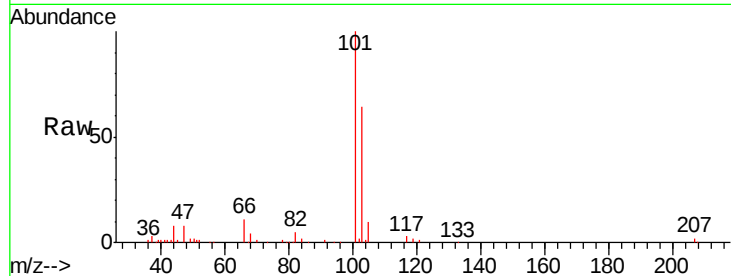


#7

Trichlorofluoromethane
Concen: 19.80 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

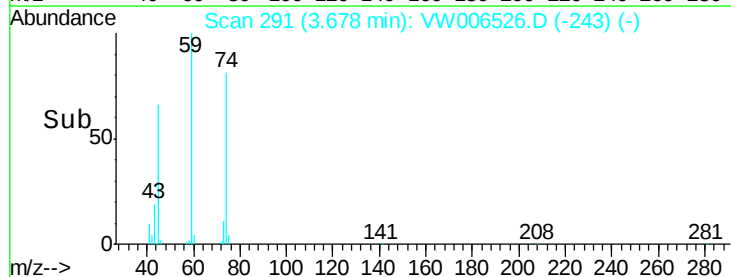
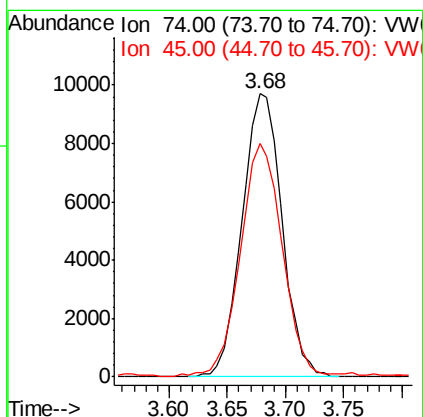
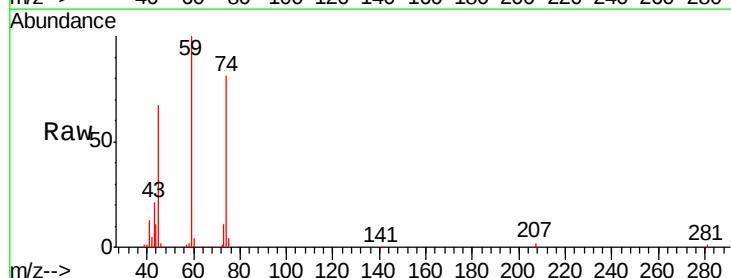
Tgt Ion:101 Resp: 41779
Ion Ratio Lower Upper
101 100
103 63.7 51.2 76.8



#8

Diethyl Ether
Concen: 20.67 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 74 Resp: 23180
Ion Ratio Lower Upper
74 100
45 86.7 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.47 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

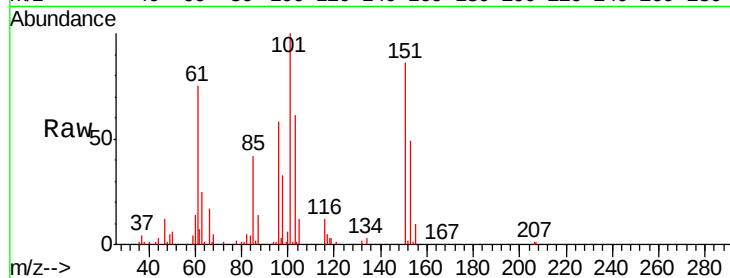
Tgt Ion:101 Resp: 49685

Ion Ratio Lower Upper

101 100

85 41.2 34.9 52.3

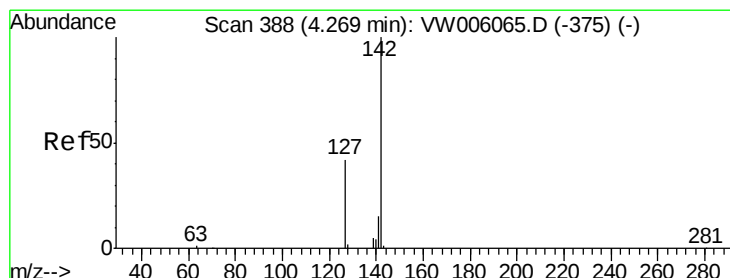
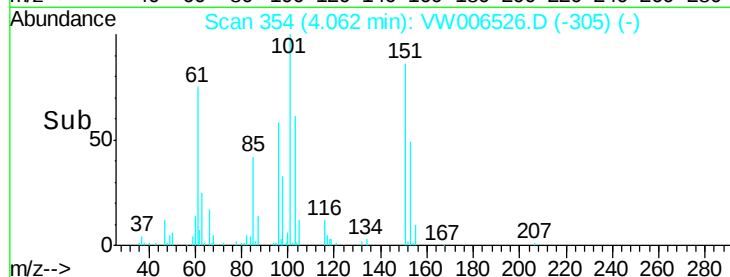
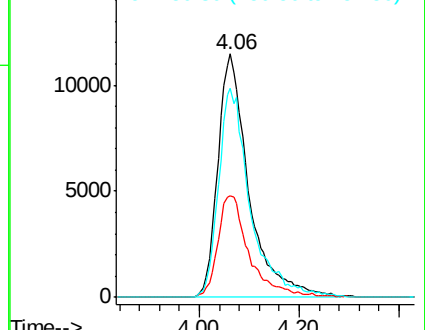
151 86.5 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.93 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

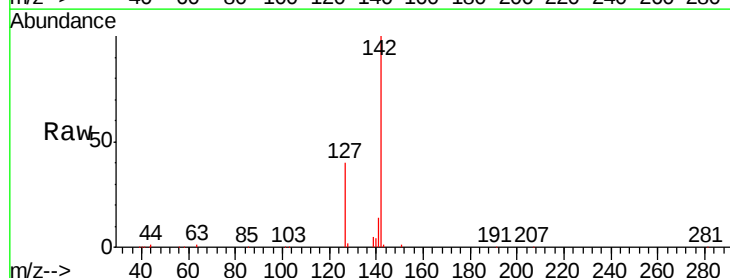
Tgt Ion:142 Resp: 80733

Ion Ratio Lower Upper

142 100

127 40.4 33.6 50.4

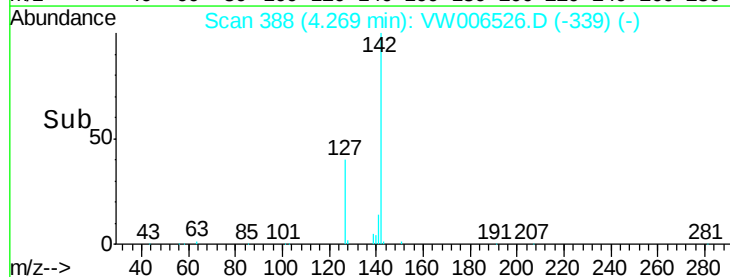
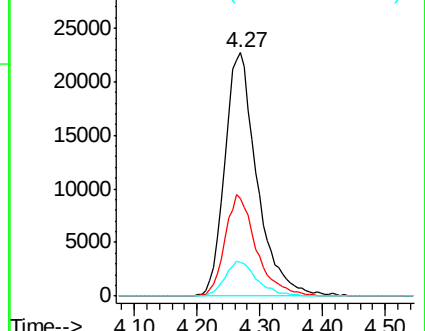
141 14.2 11.6 17.4

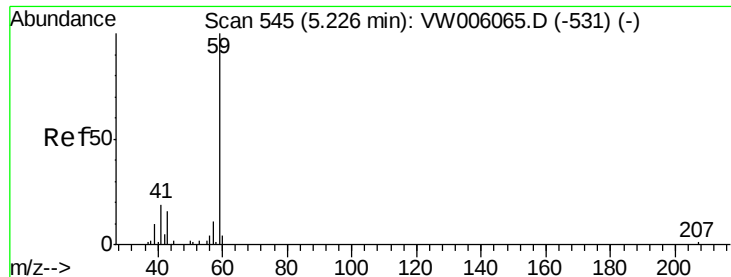


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.31 ug/l

RT: 5.24 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

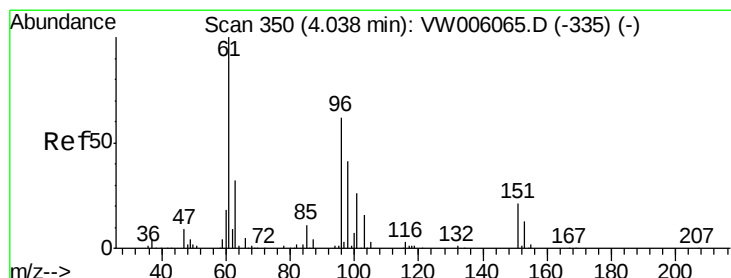
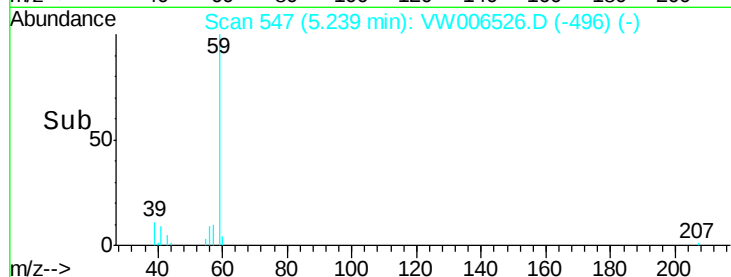
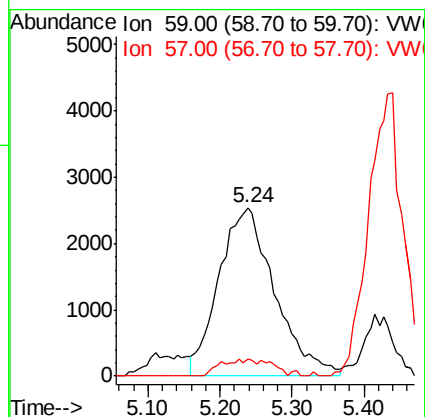
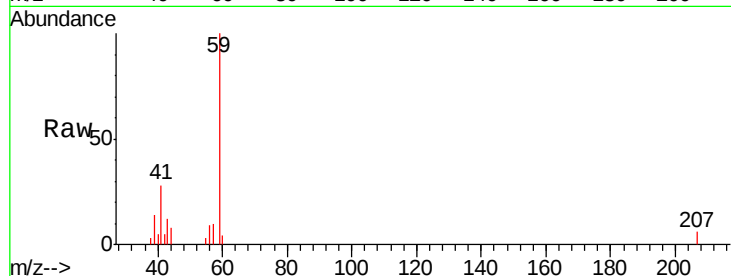
VW1101SBSD01

Tgt Ion: 59 Resp: 13649

Ion Ratio Lower Upper

59 100

57 4.4 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 22.04 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

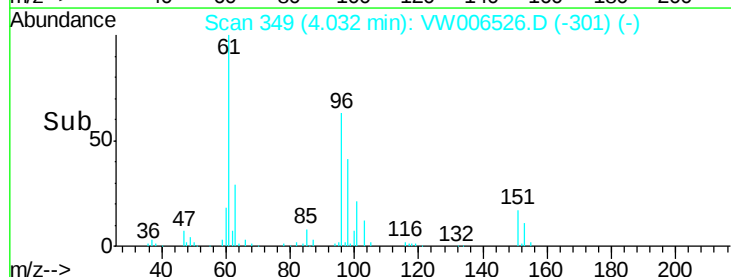
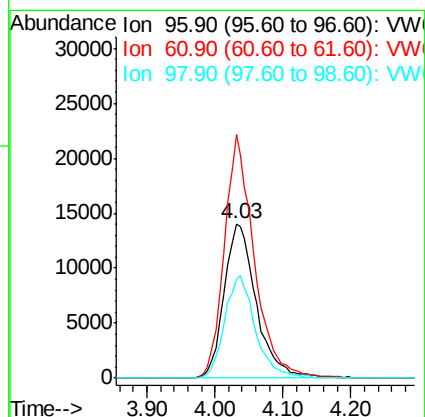
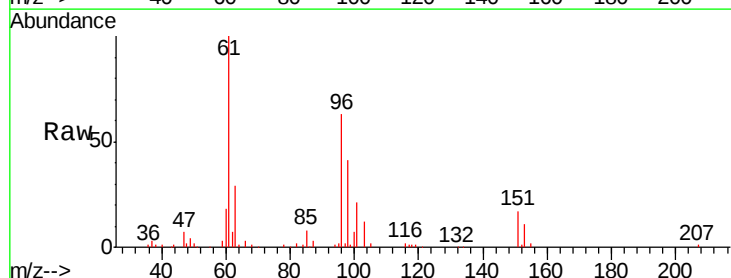
Tgt Ion: 96 Resp: 45854

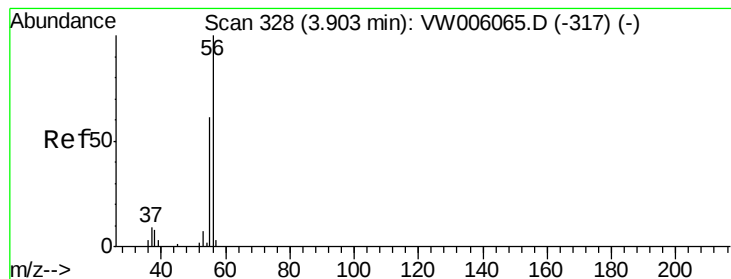
Ion Ratio Lower Upper

96 100

61 157.8 129.3 193.9

98 64.3 53.1 79.7





#13

Acrolein

Concen: 90.59 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

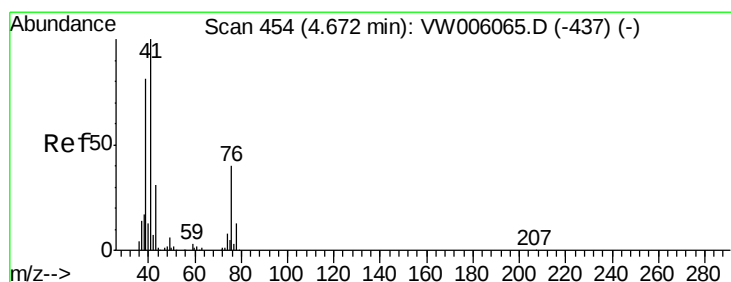
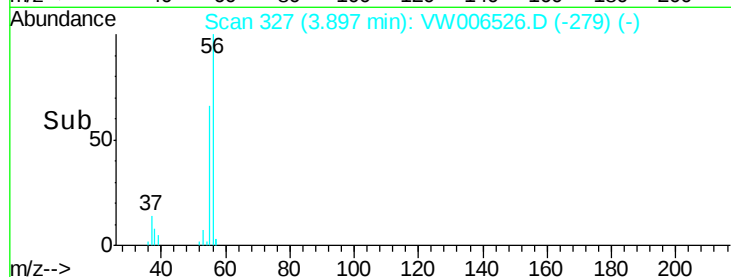
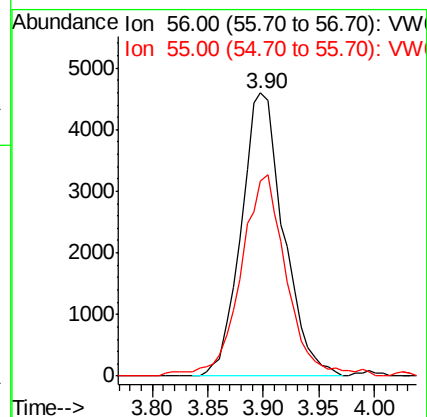
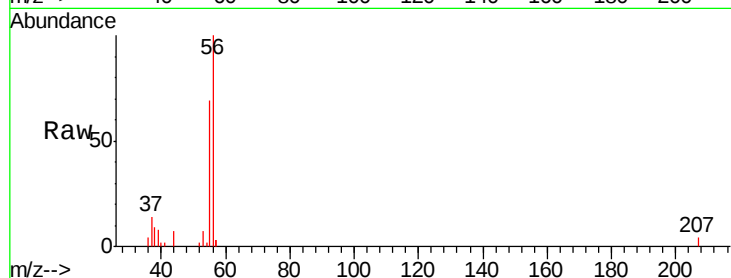
VW1101SBSD01

Tgt Ion: 56 Resp: 12170

Ion Ratio Lower Upper

56 100

55 76.6 54.5 81.7



#14

Allyl chloride

Concen: 19.84 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

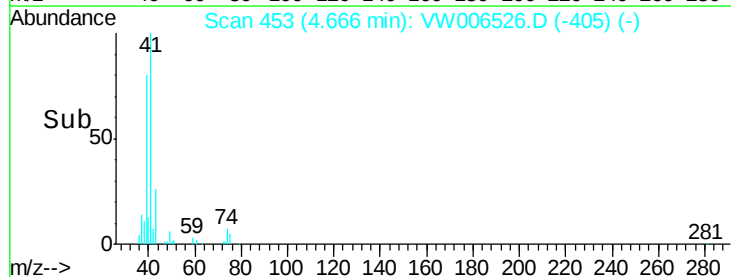
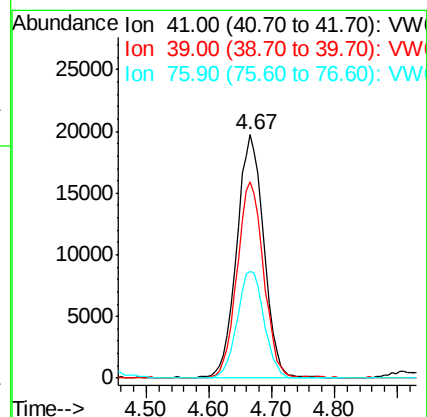
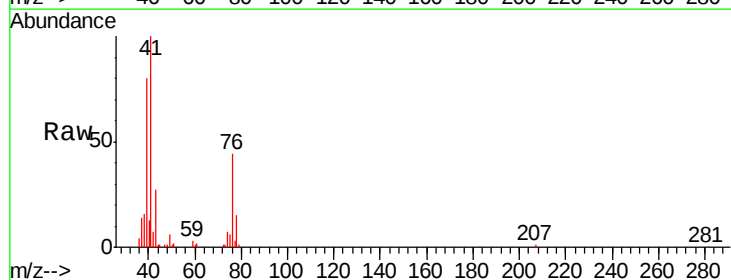
Tgt Ion: 41 Resp: 59027

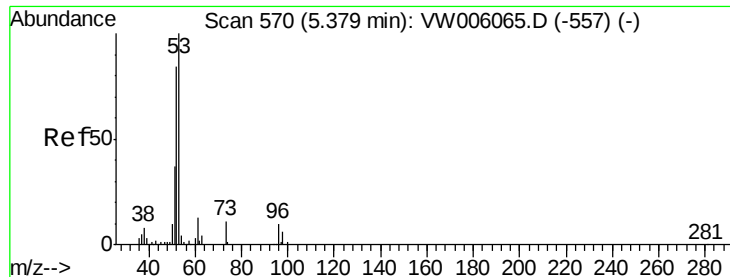
Ion Ratio Lower Upper

41 100

39 78.8 64.1 96.1

76 43.6 32.2 48.4





#15

Acrylonitrile

Concen: 108.75 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

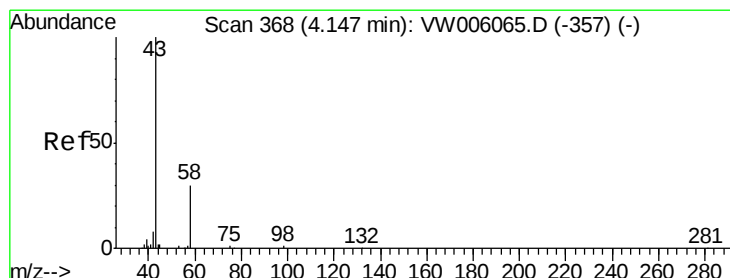
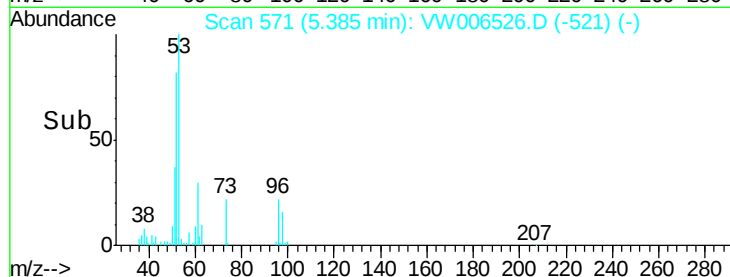
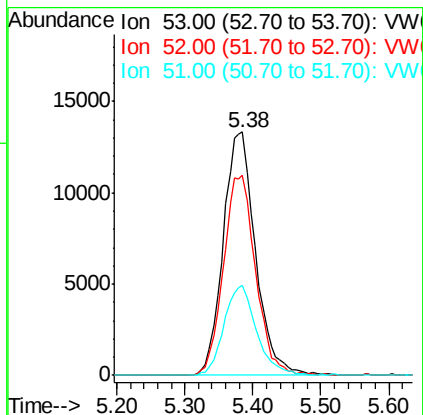
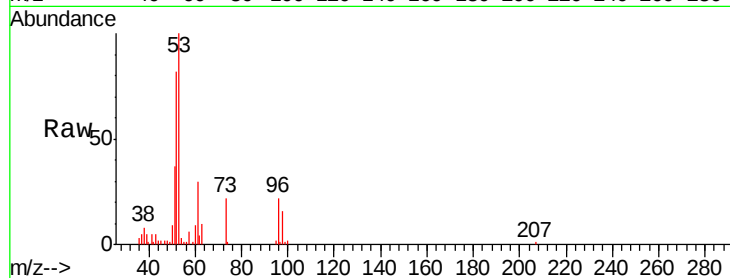
Tgt Ion: 53 Resp: 43746

Ion Ratio Lower Upper

53 100

52 82.0 66.9 100.3

51 37.3 30.1 45.1



#16

Acetone

Concen: 120.94 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006526.D

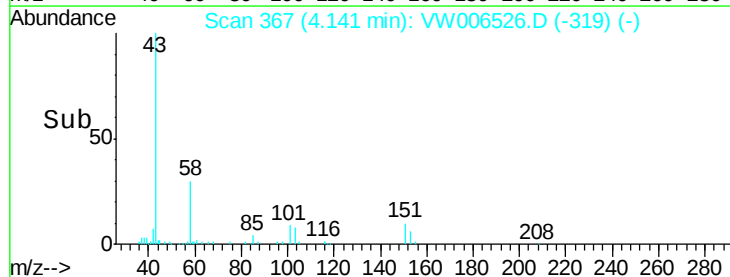
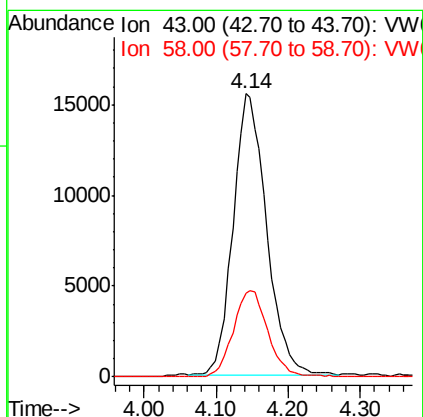
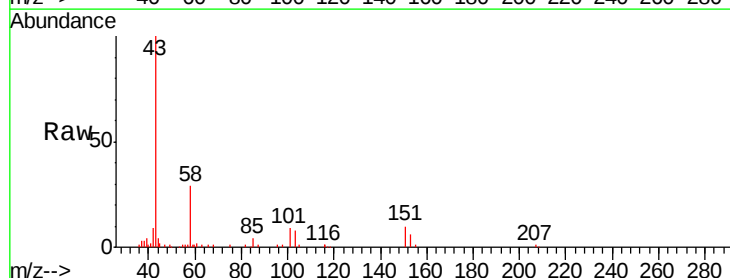
Acq: 31 Oct 2018 15:18

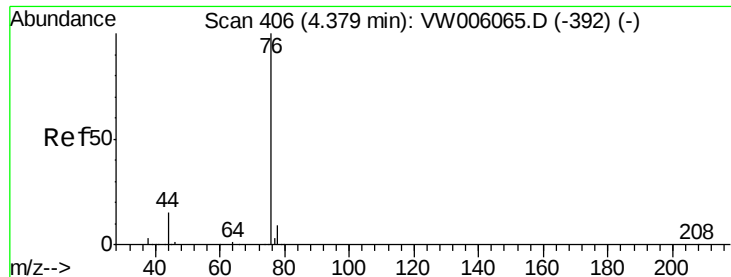
Tgt Ion: 43 Resp: 49798

Ion Ratio Lower Upper

43 100

58 29.6 24.0 36.0





#17

Carbon Disulfide

Concen: 17.80 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

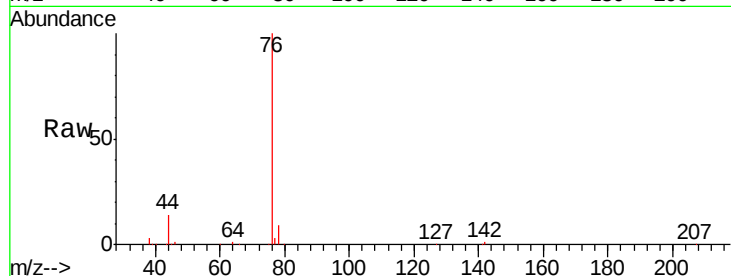
VW1101SBSD01

Tgt Ion: 76 Resp: 111764

Ion Ratio Lower Upper

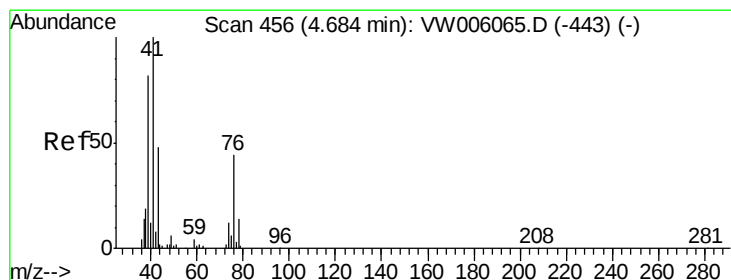
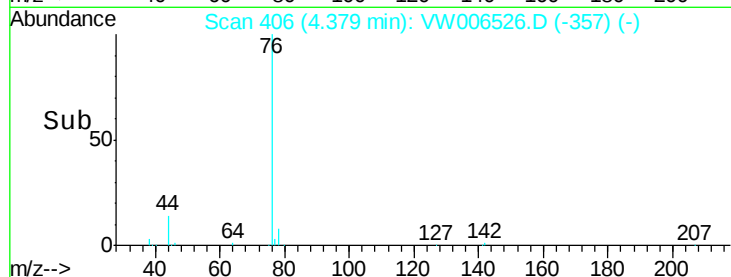
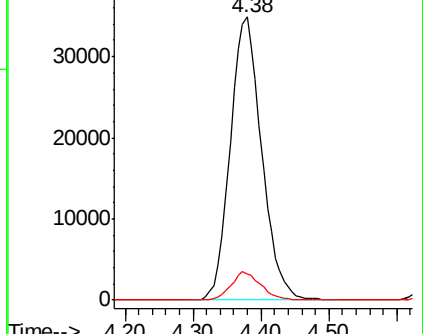
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.60 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006526.D

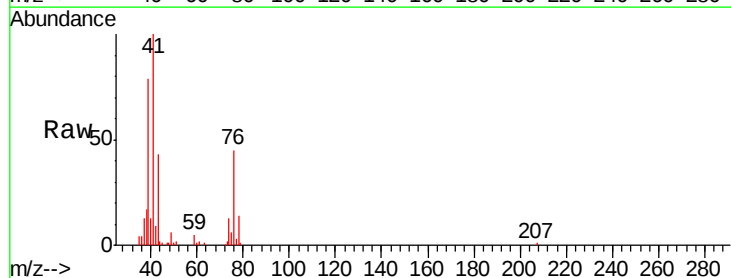
Acq: 31 Oct 2018 15:18

Tgt Ion: 43 Resp: 22443

Ion Ratio Lower Upper

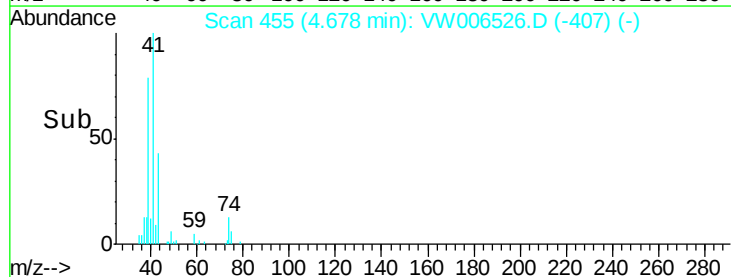
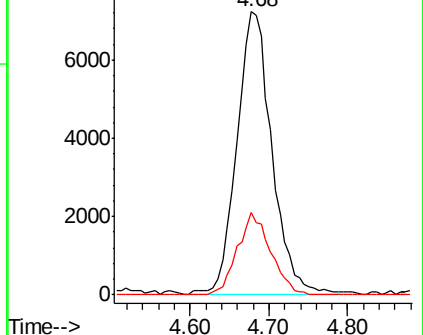
43 100

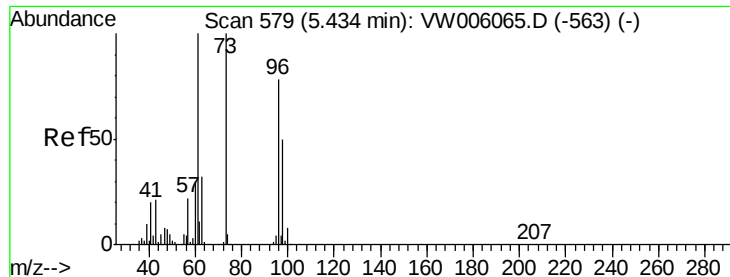
74 27.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 21.65 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

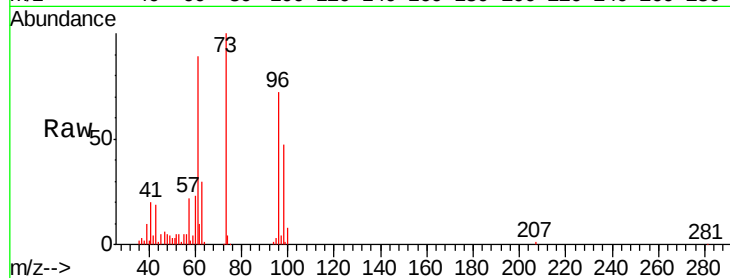
VW1101SBS01

Tgt Ion: 73 Resp: 68594

Ion Ratio Lower Upper

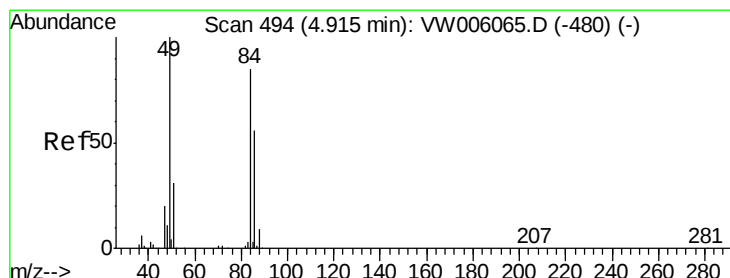
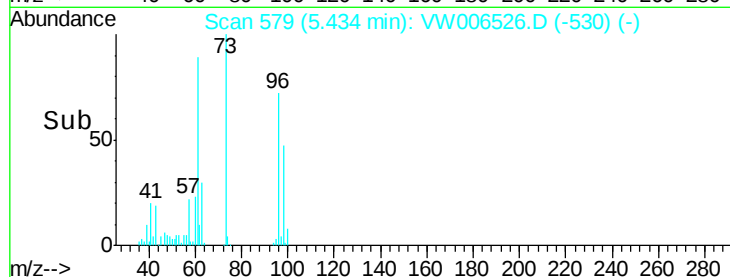
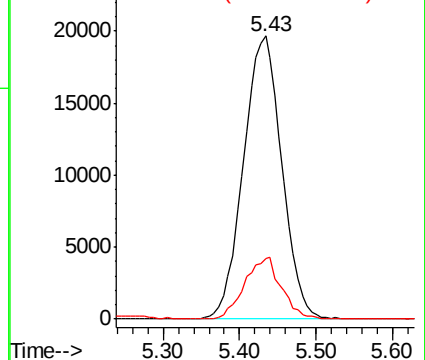
73 100

57 21.7 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 24.75 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion: 84 Resp: 55864

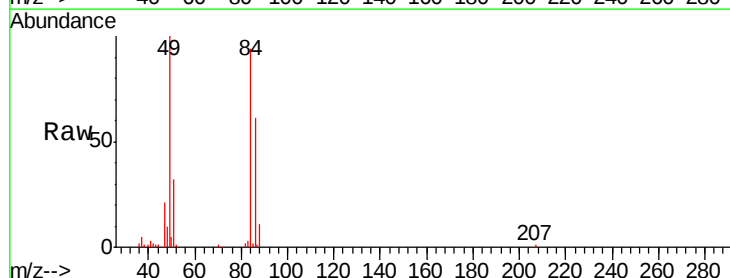
Ion Ratio Lower Upper

84 100

49 106.6 93.6 140.4

51 34.4 29.0 43.4

86 64.9 52.6 79.0

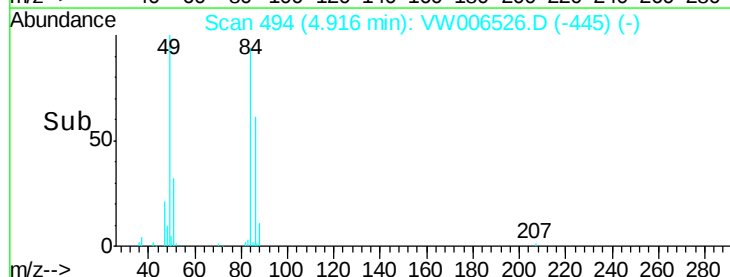
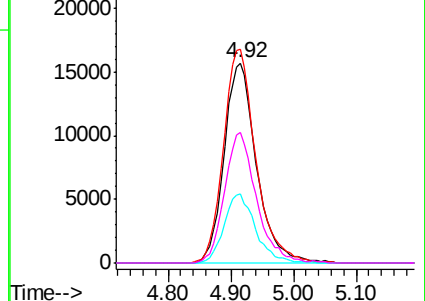


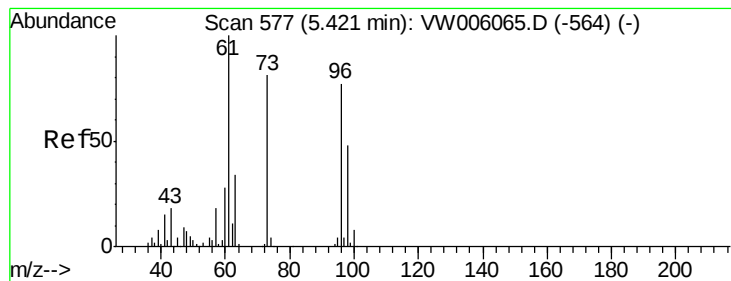
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 21.95 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

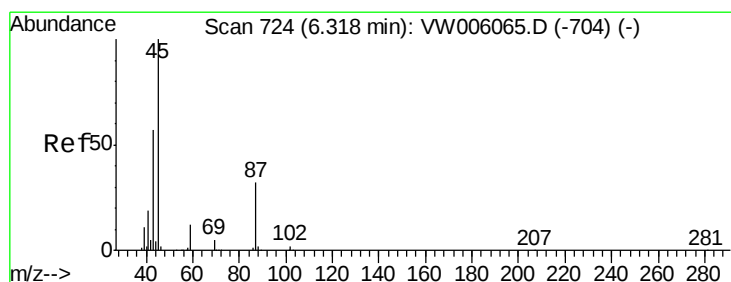
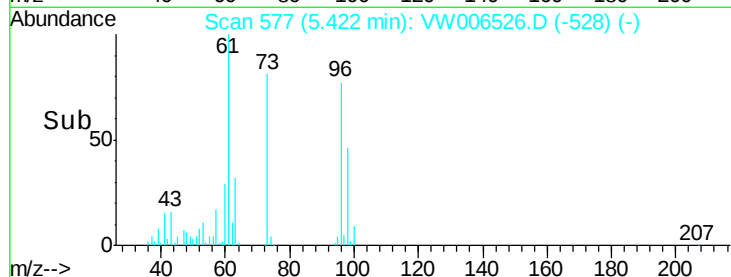
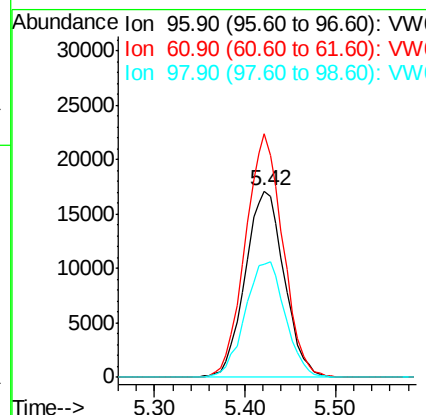
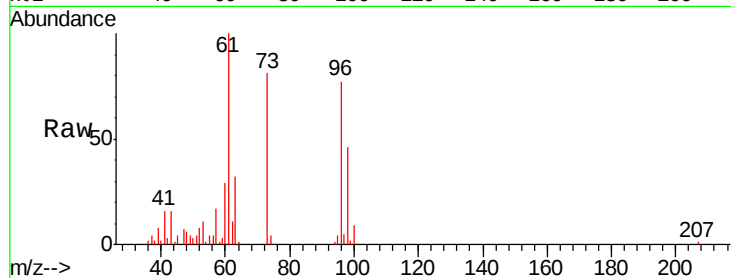
Tgt Ion: 96 Resp: 50963

Ion Ratio Lower Upper

96 100

61 130.7 104.5 156.7

98 60.7 50.6 75.8



#22

Diisopropyl ether

Concen: 21.49 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion: 45 Resp: 126349

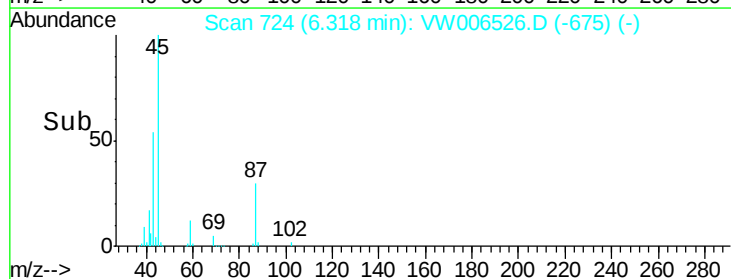
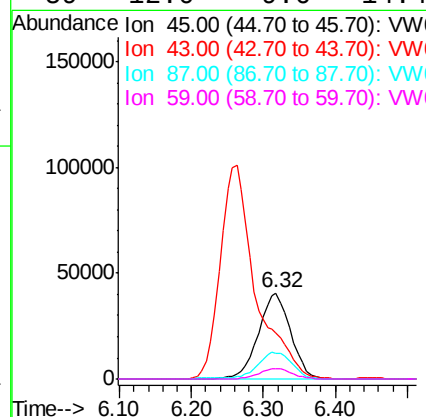
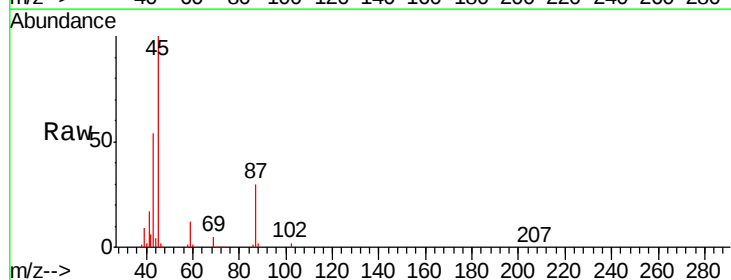
Ion Ratio Lower Upper

45 100

43 53.4 45.7 68.5

87 30.3 25.9 38.9

59 12.0 9.6 14.4

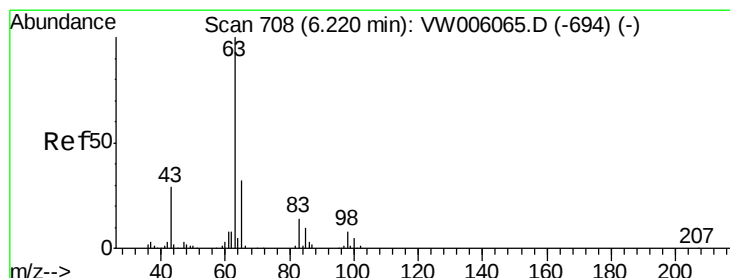
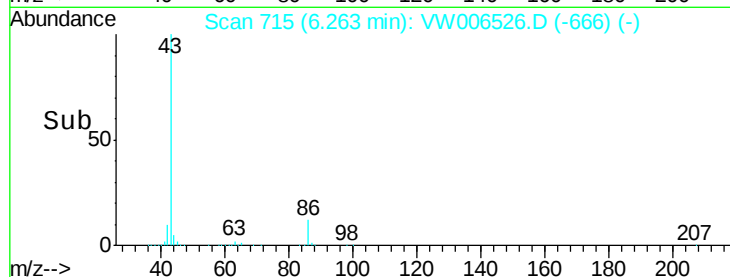
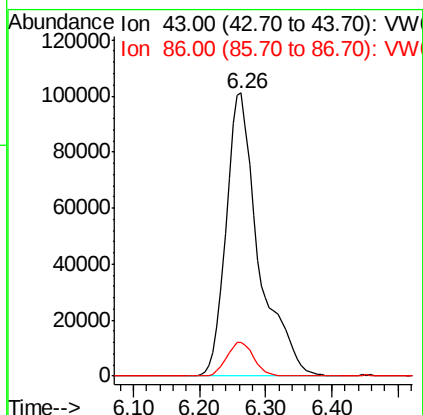
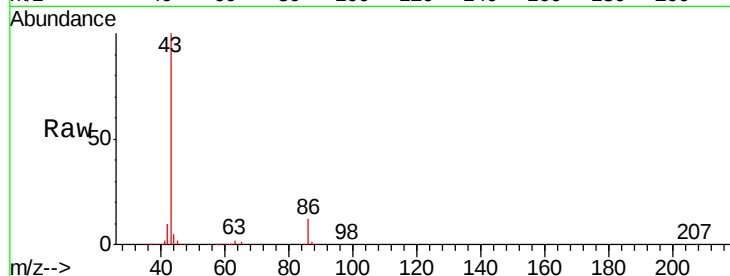




#23
 Vinyl Acetate
 Concen: 99.55 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

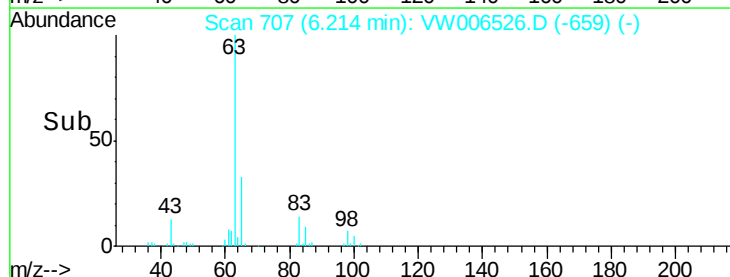
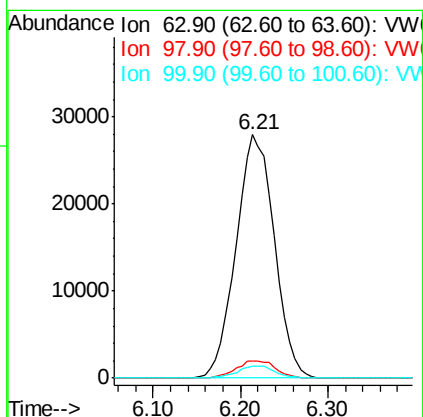
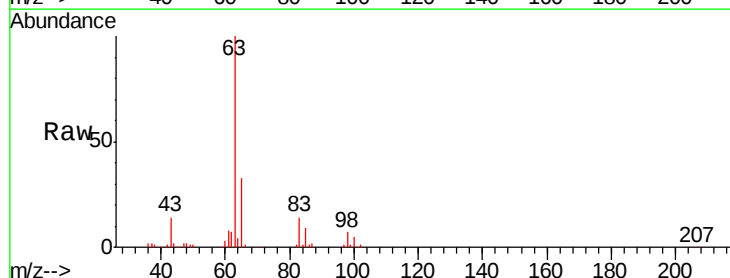
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

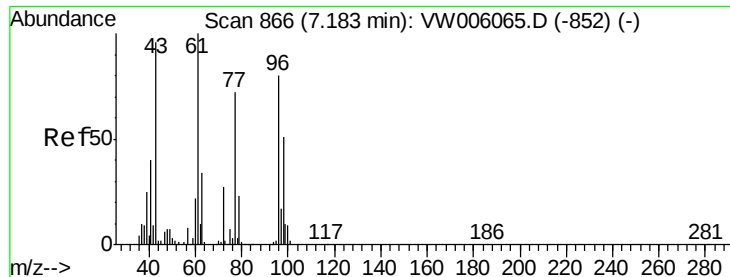
Tgt Ion: 43 Resp: 345380
 Ion Ratio Lower Upper
 43 100
 86 12.0 9.0 13.6



#24
 1,1-Dichloroethane
 Concen: 22.42 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion: 63 Resp: 85027
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.8 11.2
 100 4.8 2.5 7.5





#25

2-Butanone

Concen: 113.93 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

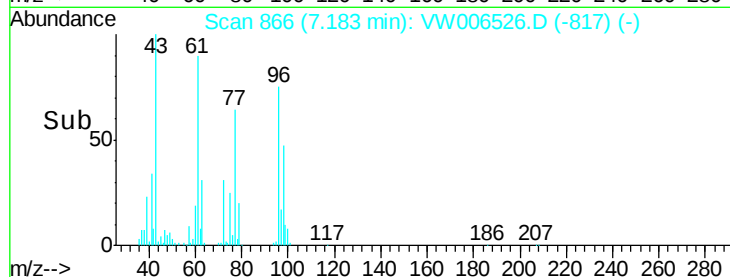
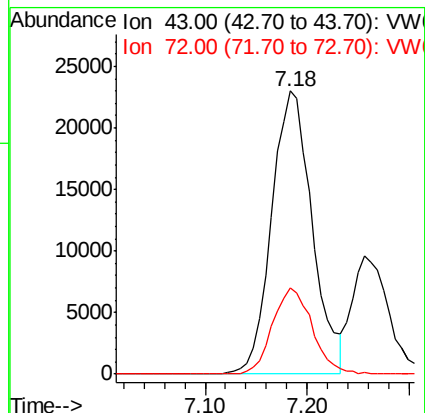
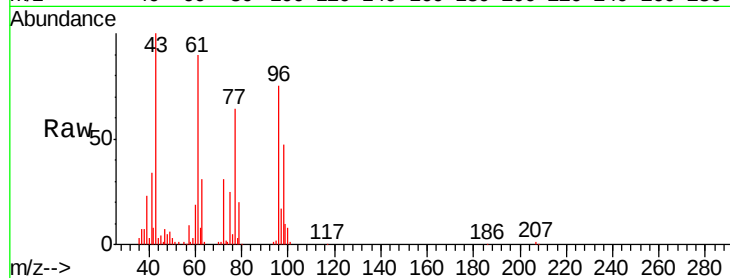
VW1101SBSD01

Tgt Ion: 43 Resp: 63540

Ion Ratio Lower Upper

43 100

72 30.6 22.8 34.2



#26

2,2-Dichloropropane

Concen: 21.62 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006526.D

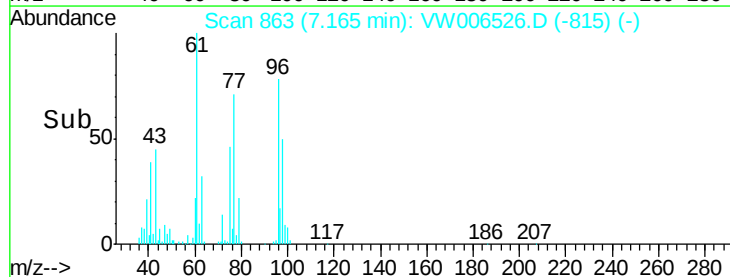
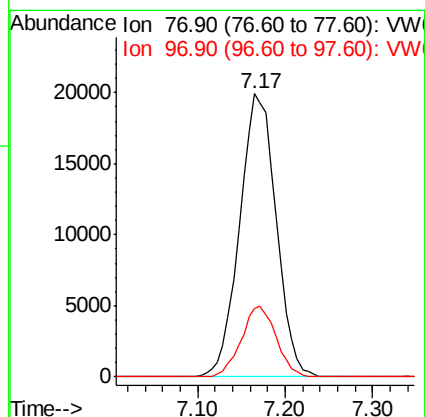
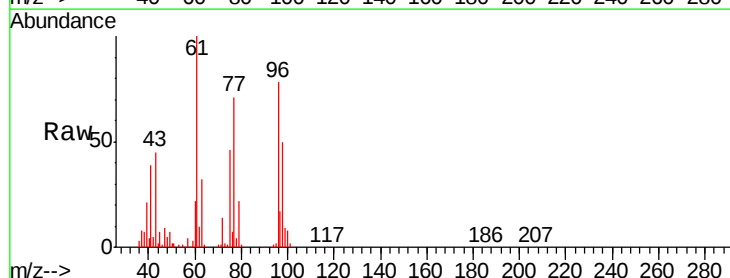
Acq: 31 Oct 2018 15:18

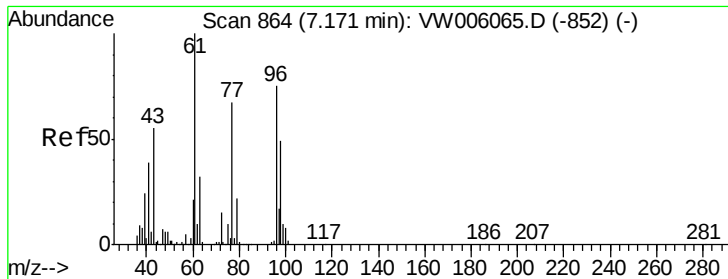
Tgt Ion: 77 Resp: 57847

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 23.02 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

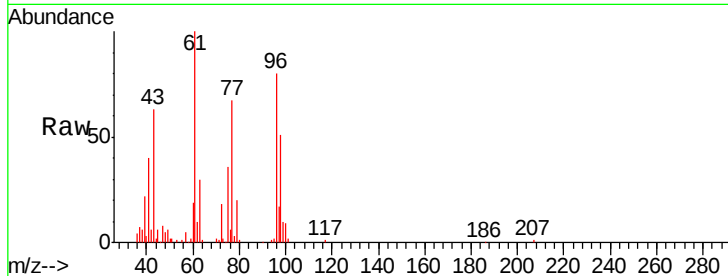
Tgt Ion: 96 Resp: 58983

Ion Ratio Lower Upper

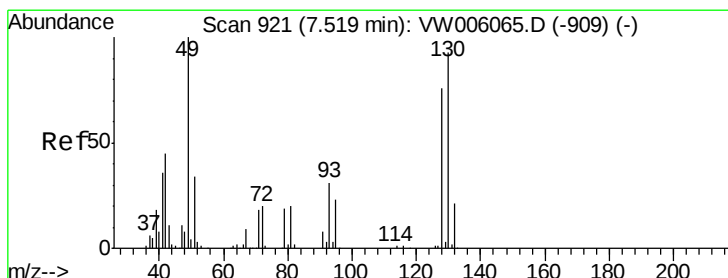
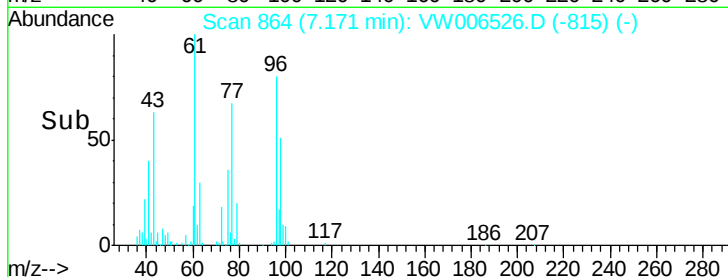
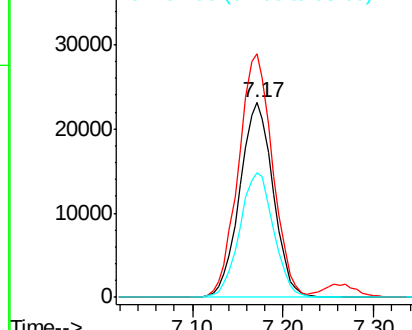
96 100

61 128.1 0.0 267.2

98 65.0 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 17.72 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

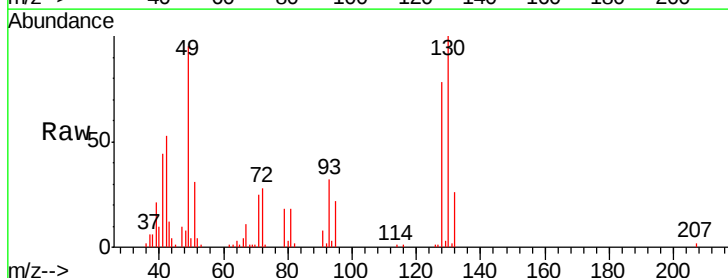
Tgt Ion: 49 Resp: 25950

Ion Ratio Lower Upper

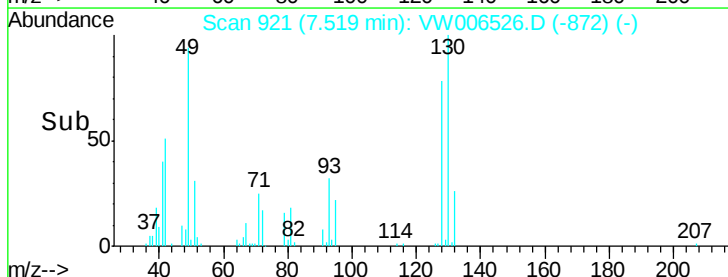
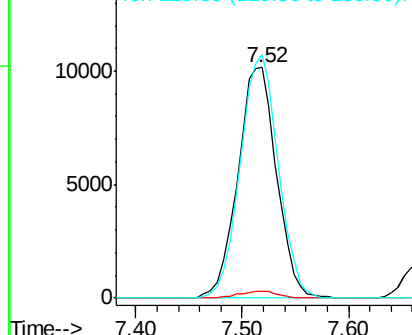
49 100

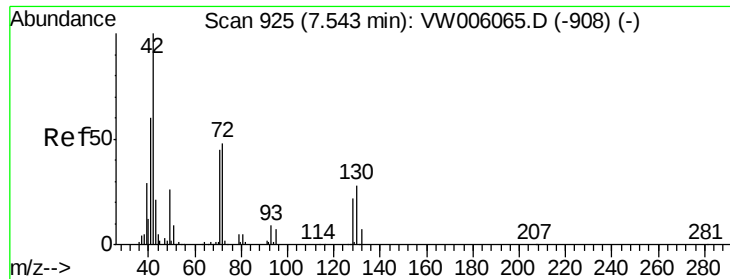
129 2.8 0.0 5.0

130 103.6 73.8 110.8



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 99.28 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

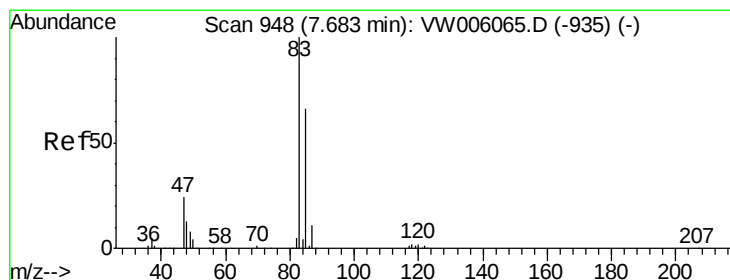
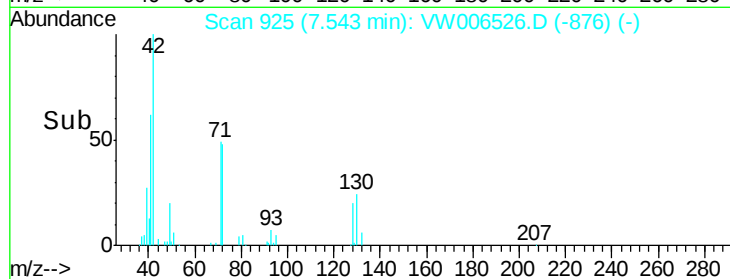
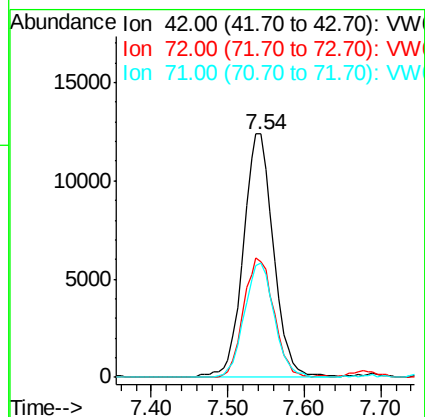
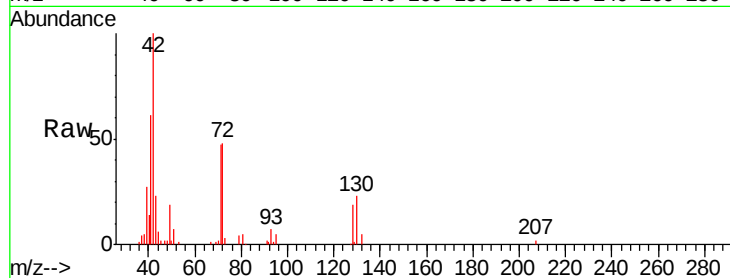
Tgt Ion: 42 Resp: 34033

Ion Ratio Lower Upper

42 100

72 48.9 38.0 57.0

71 46.6 35.3 52.9



#30

Chloroform

Concen: 23.11 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006526.D

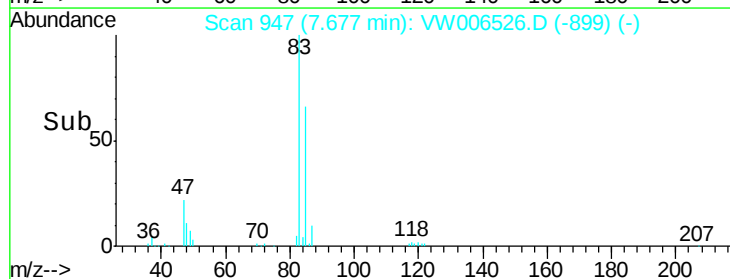
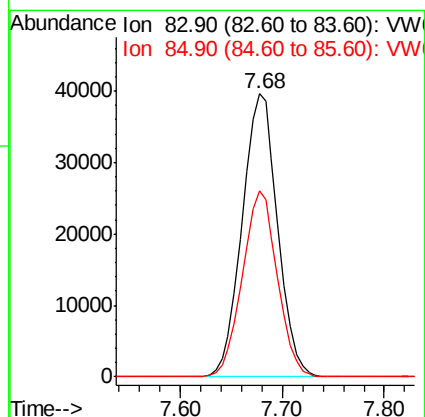
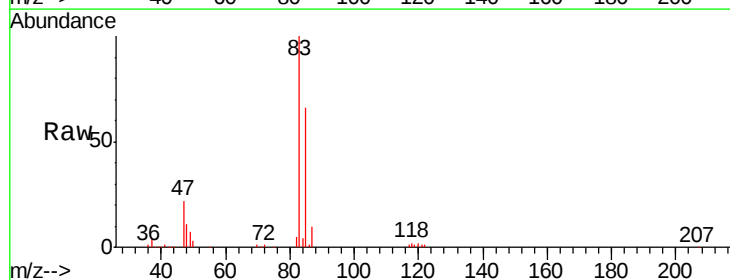
Acq: 31 Oct 2018 15:18

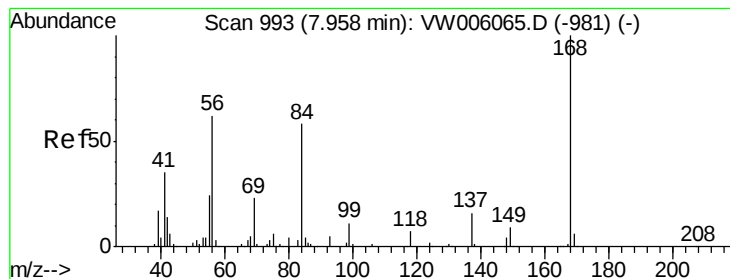
Tgt Ion: 83 Resp: 95510

Ion Ratio Lower Upper

83 100

85 65.8 52.6 79.0





#31

Cyclohexane

Concen: 19.55 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

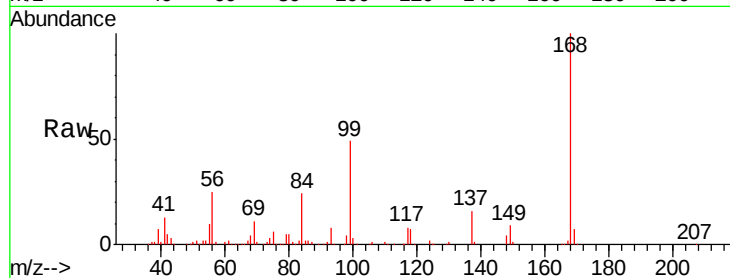
Tgt Ion: 56 Resp: 73862

Ion Ratio Lower Upper

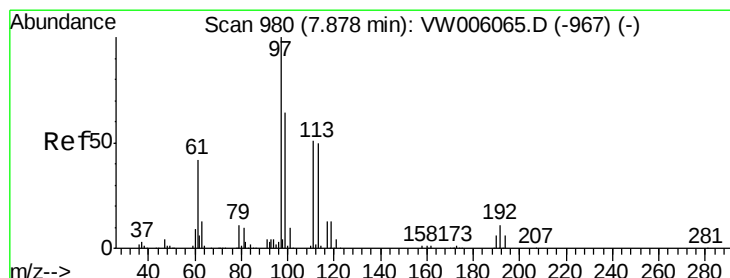
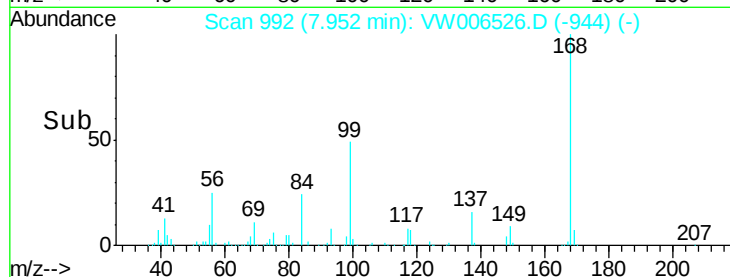
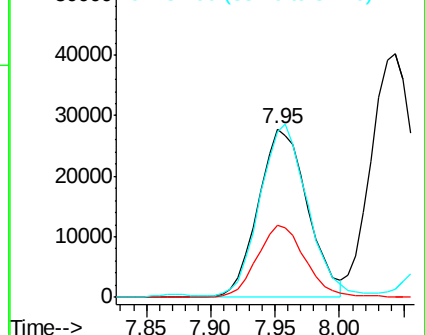
56 100

69 42.5 29.4 44.0

84 97.1 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: 21.97 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

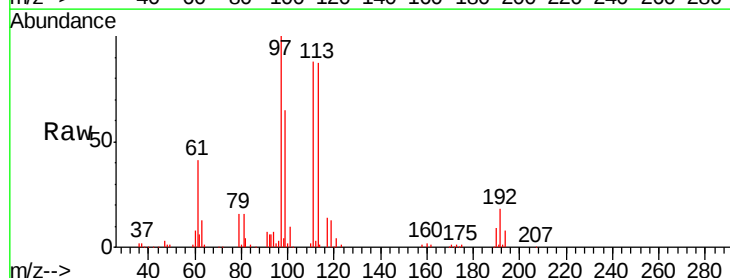
Tgt Ion: 97 Resp: 81909

Ion Ratio Lower Upper

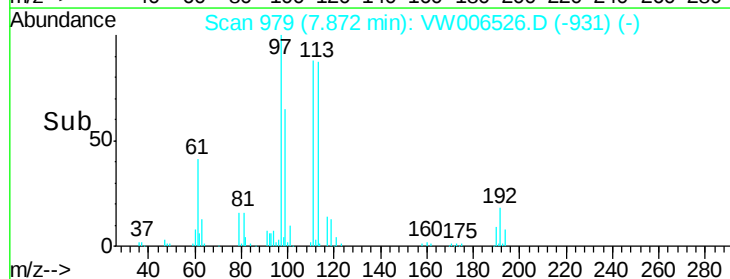
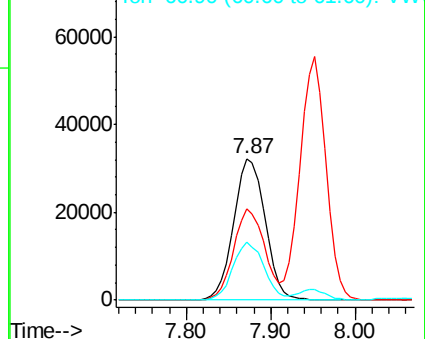
97 100

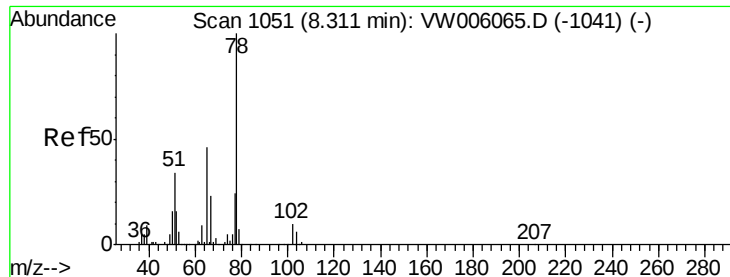
99 63.2 50.9 76.3

61 40.6 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: 44.72 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

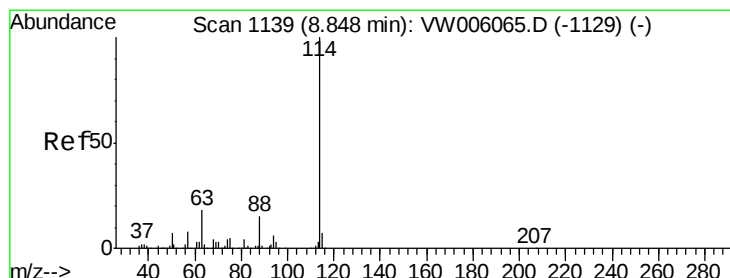
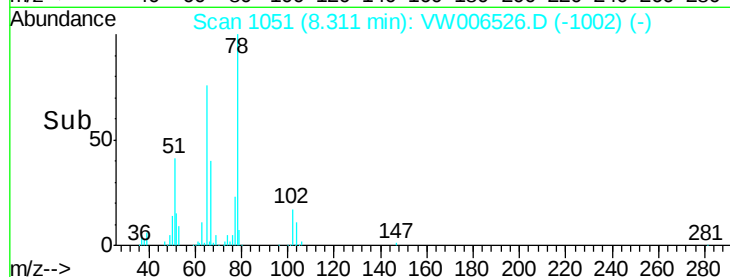
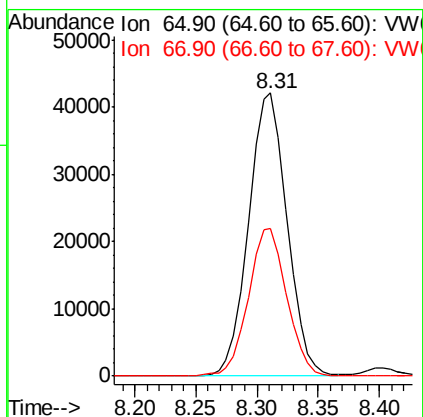
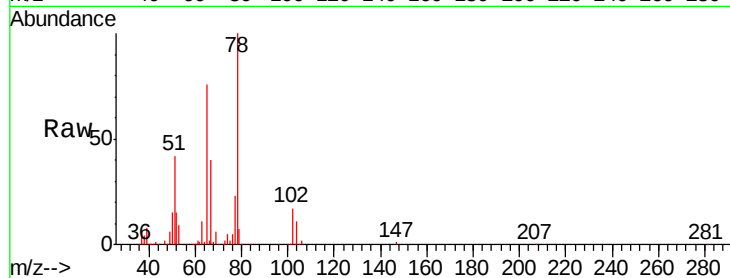
VW1101SBSD01

Tgt Ion: 65 Resp: 92320

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

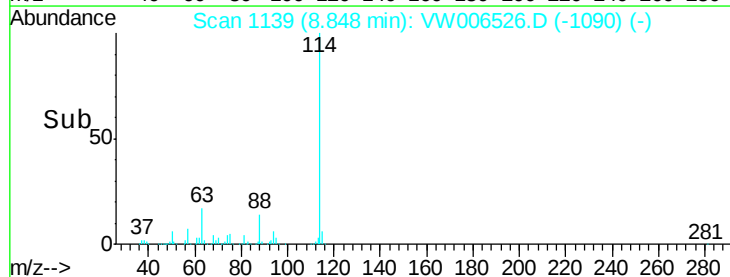
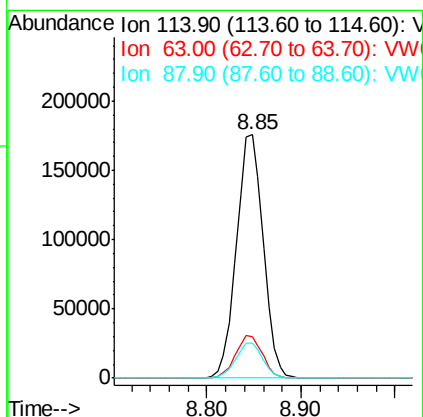
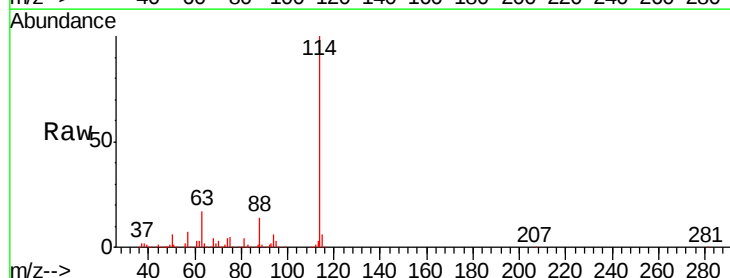
Tgt Ion: 114 Resp: 348250

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.8

88 14.4 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.01 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

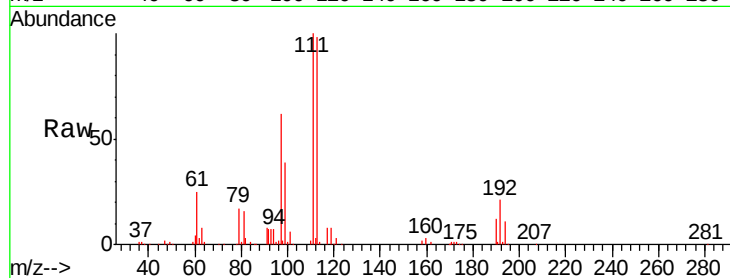
Tgt Ion:113 Resp: 100852

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

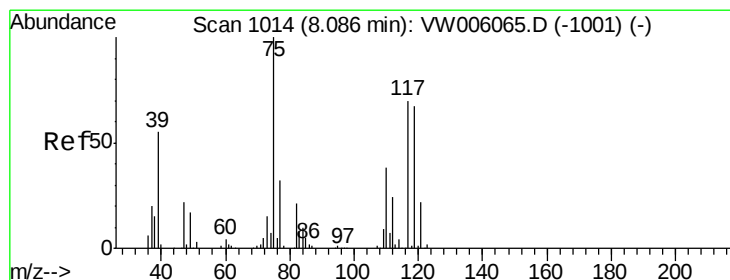
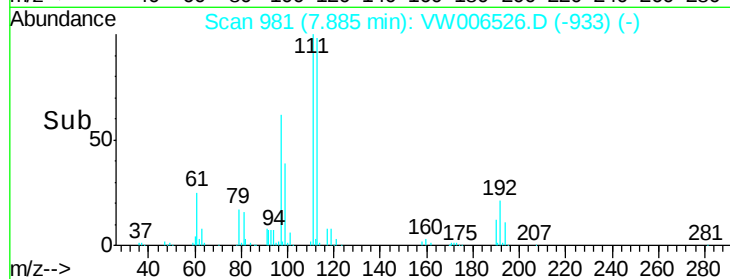
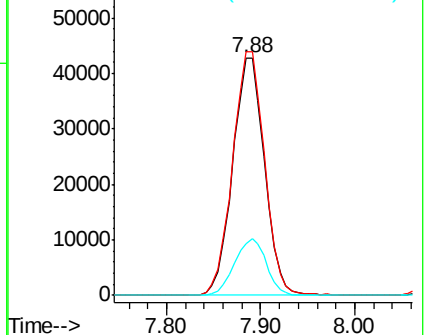
192 23.9 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.59 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

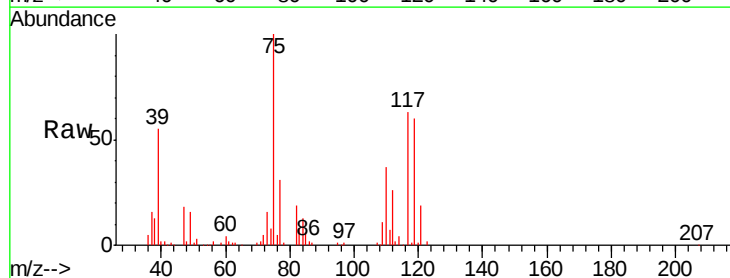
Tgt Ion: 75 Resp: 72527

Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.1

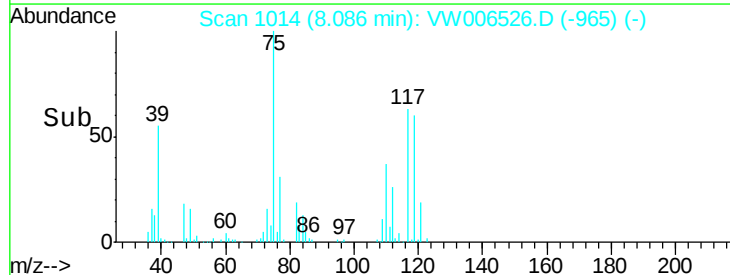
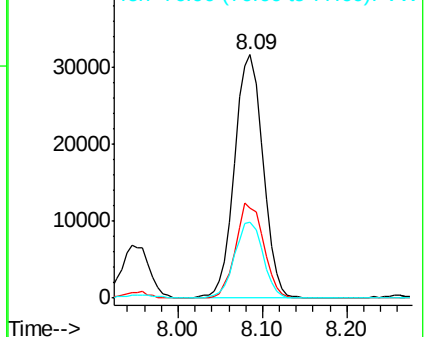
77 31.3 25.0 37.4

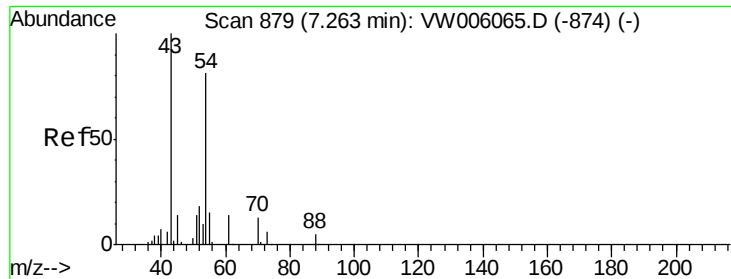


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

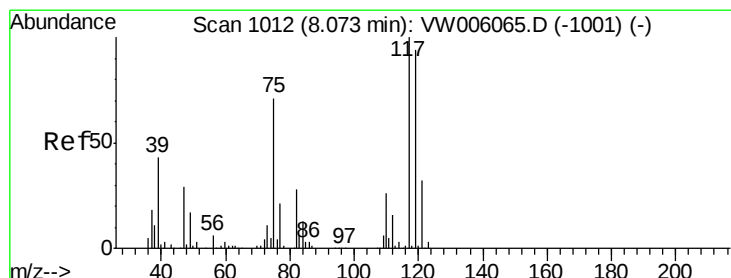
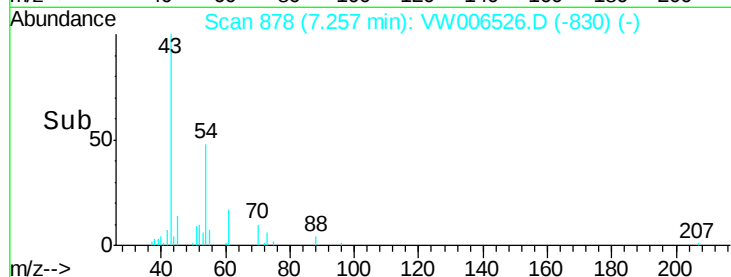
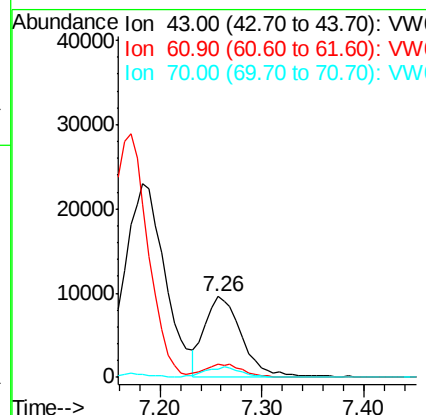
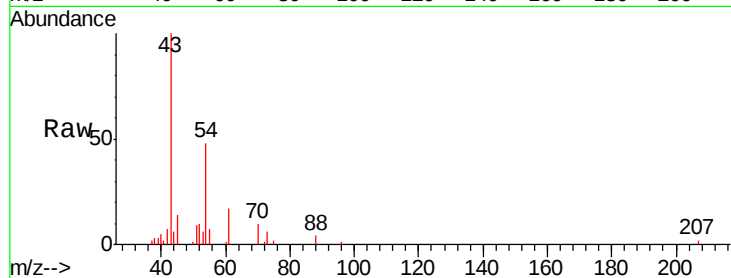




#37
Ethyl Acetate
Concen: 20.19 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

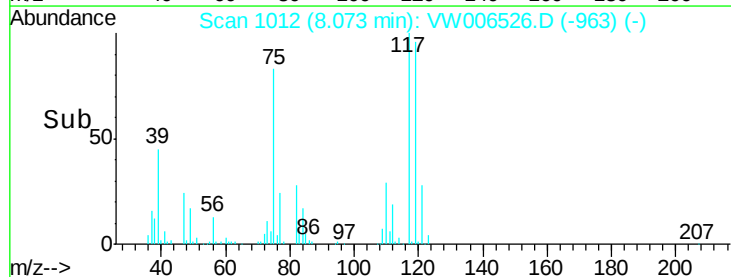
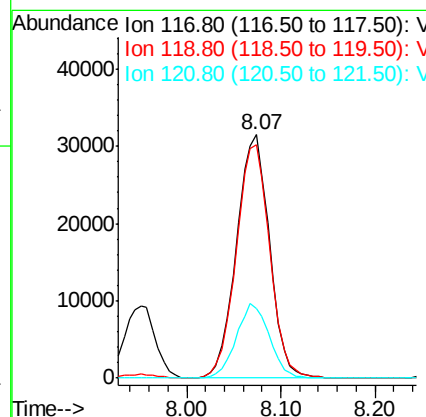
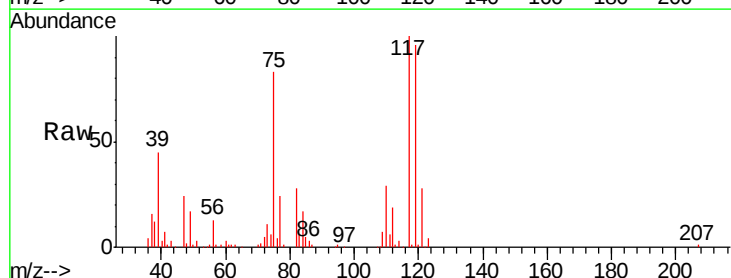
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

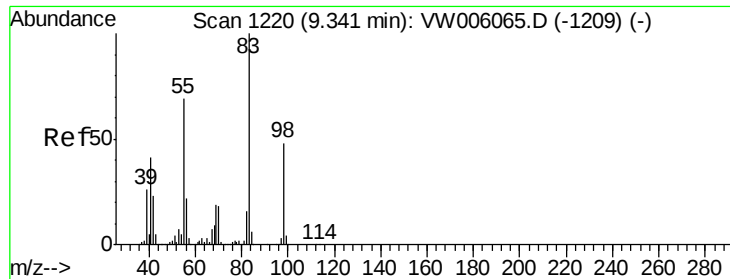
Tgt Ion: 43 Resp: 24073
Ion Ratio Lower Upper
43 100
61 17.1 11.5 17.3
70 12.6 9.2 13.8



#38
Carbon Tetrachloride
Concen: 21.86 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 117 Resp: 76919
Ion Ratio Lower Upper
117 100
119 95.7 75.2 112.8
121 28.5 25.3 37.9

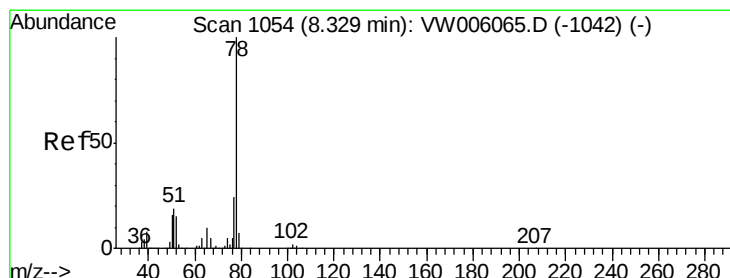
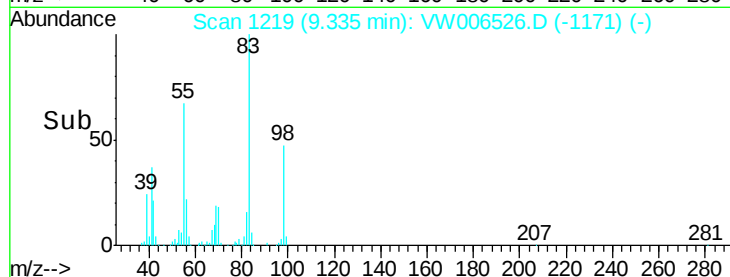
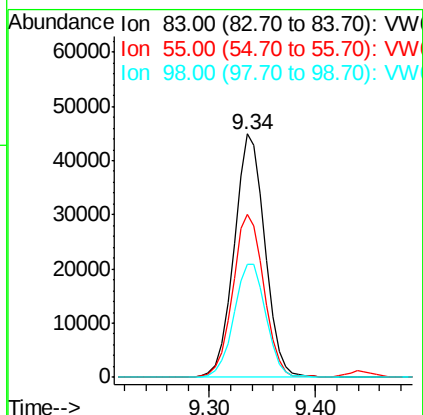
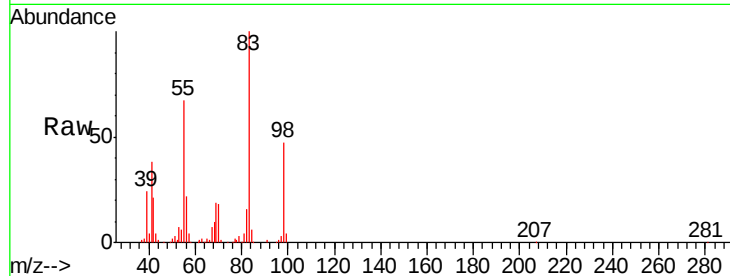




#39
Methylcyclohexane
Concen: 21.30 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

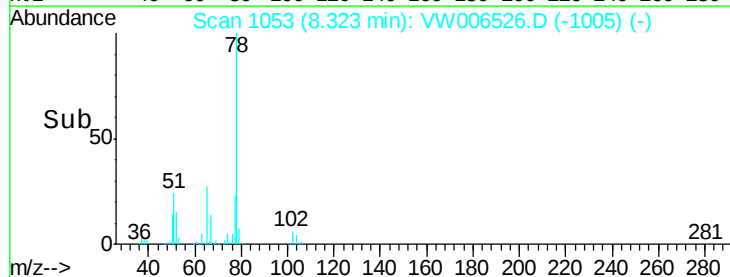
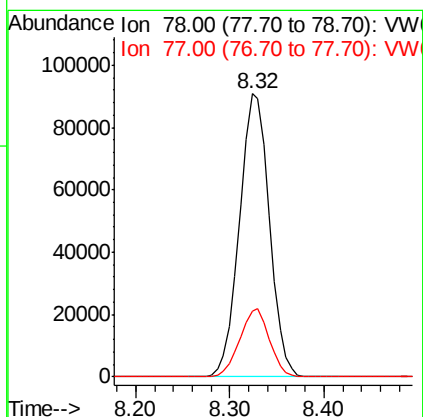
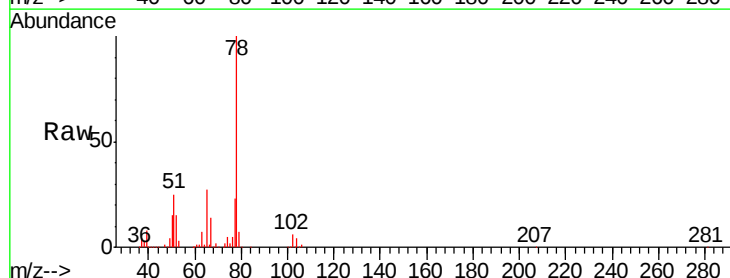
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

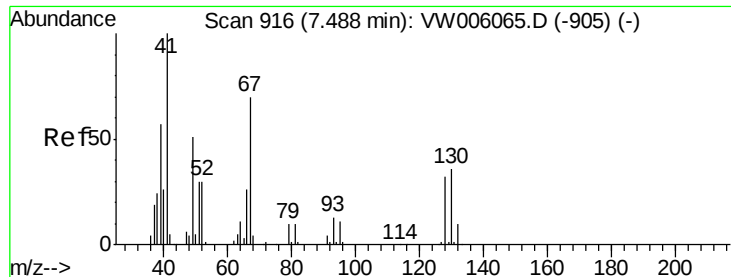
Tgt Ion: 83 Resp: 90896
Ion Ratio Lower Upper
83 100
55 66.8 55.0 82.6
98 46.6 38.6 57.8



#40
Benzene
Concen: 22.98 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 78 Resp: 202317
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.0

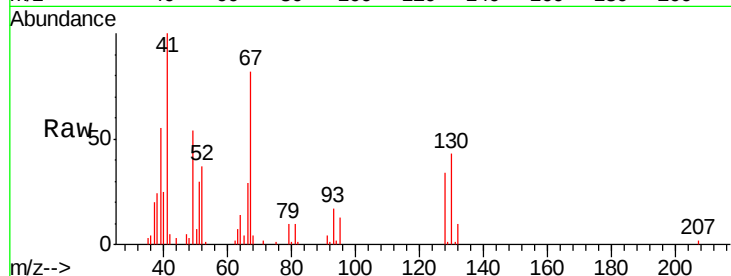




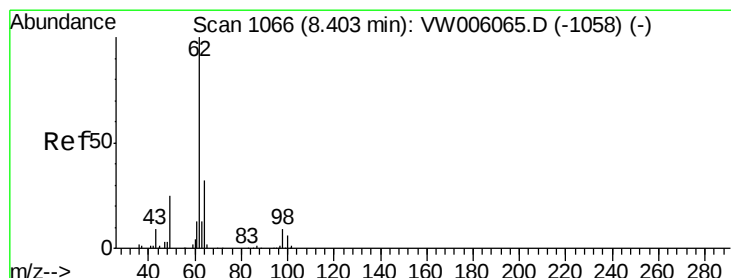
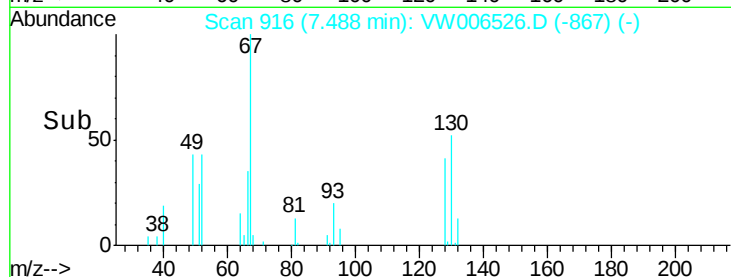
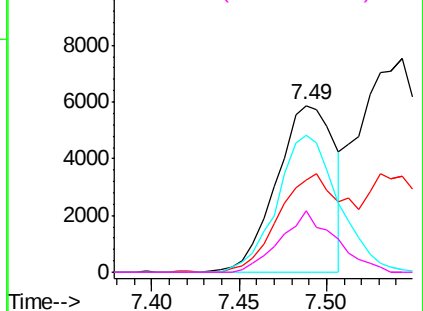
#41
Methacrylonitrile
Concen: 18.93 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tgt Ion: 41 Resp: 13608
Ion Ratio Lower Upper
41 100
39 69.5 46.2 69.4#
67 87.2 57.7 86.5#
52 34.7 24.7 37.1

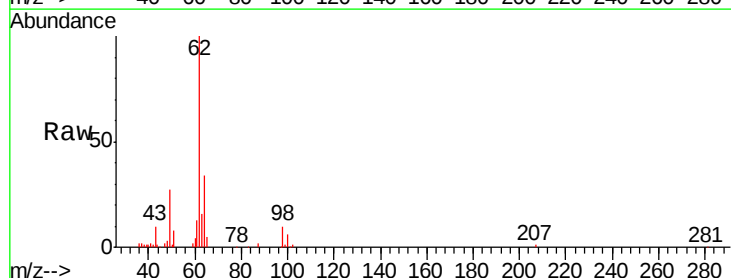


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

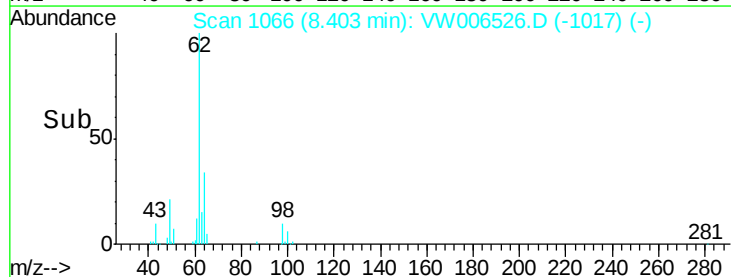
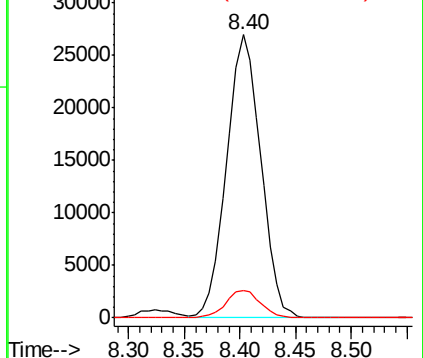


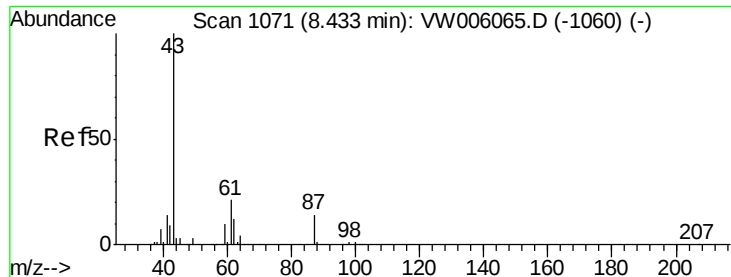
#42
1,2-Dichloroethane
Concen: 22.21 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 62 Resp: 57456
Ion Ratio Lower Upper
62 100
98 9.9 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: 19.97 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

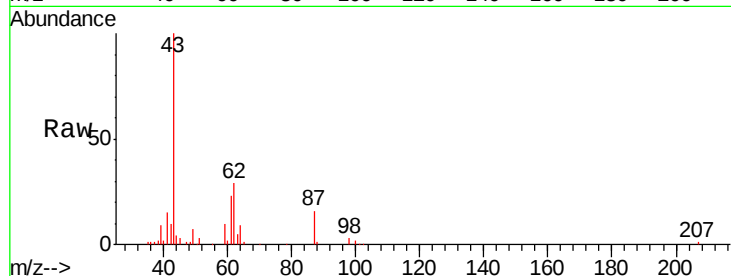
Tgt Ion: 43 Resp: 48703

Ion Ratio Lower Upper

43 100

61 33.1 25.5 38.3

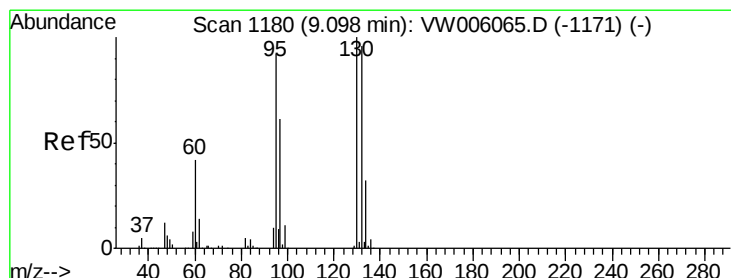
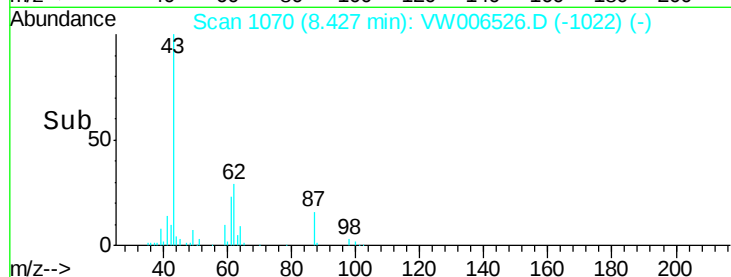
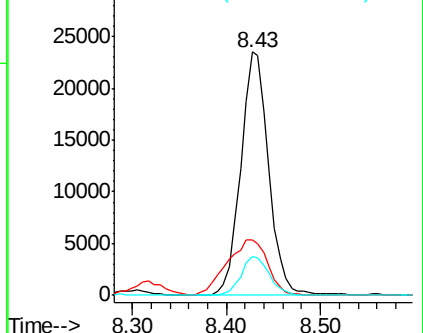
87 16.2 11.7 17.5



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: 23.41 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006526.D

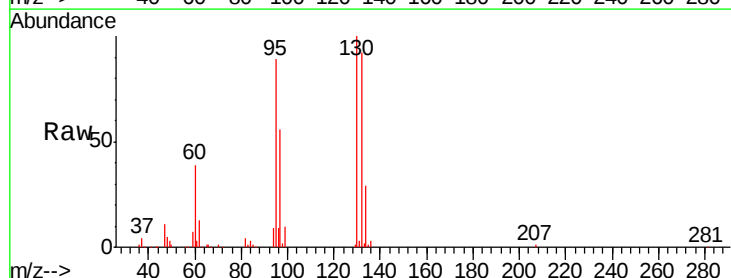
Acq: 31 Oct 2018 15:18

Tgt Ion: 130 Resp: 63232

Ion Ratio Lower Upper

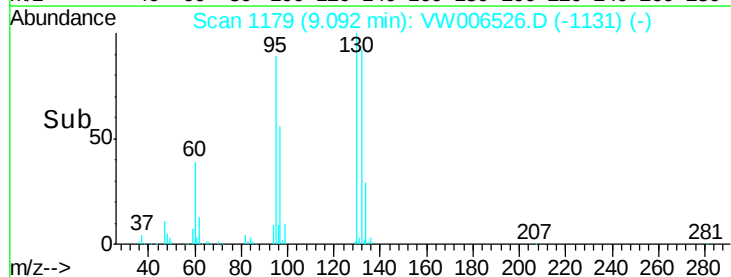
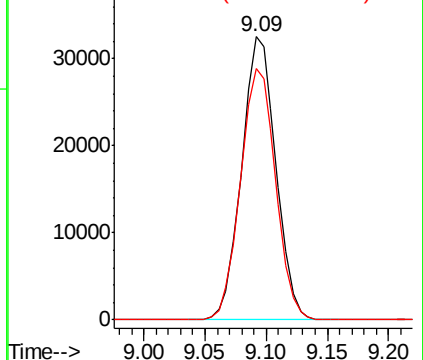
130 100

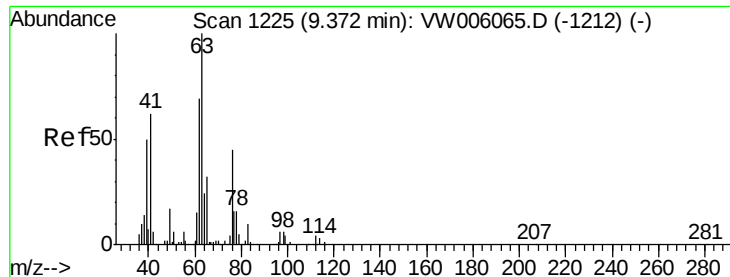
95 88.9 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

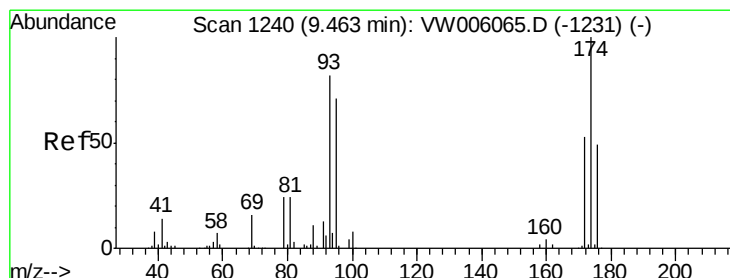
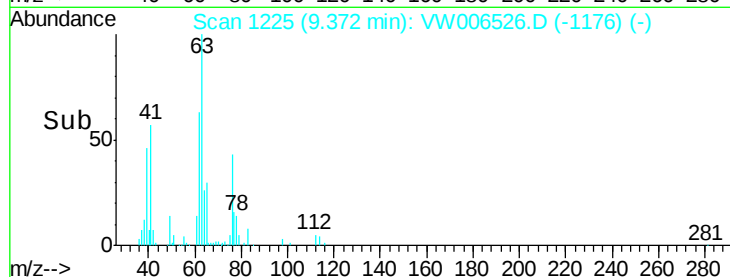
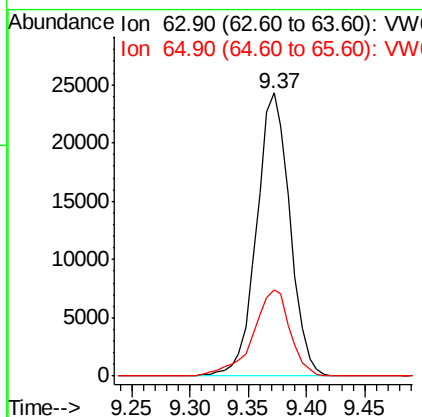
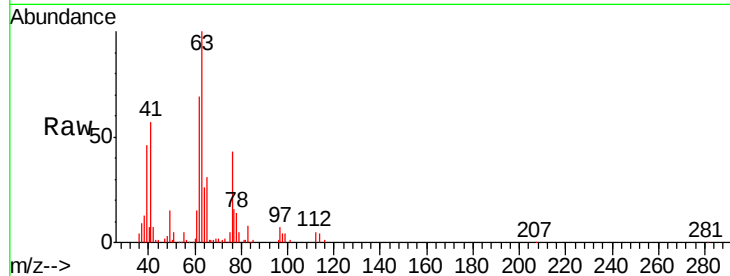




#45
 1,2-Dichloropropane
 Concen: 22.92 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

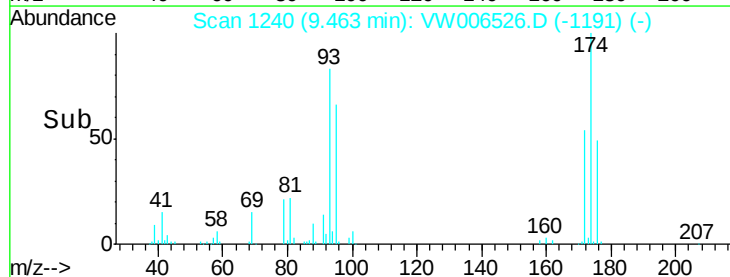
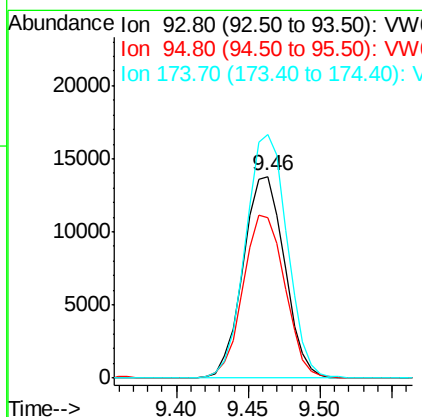
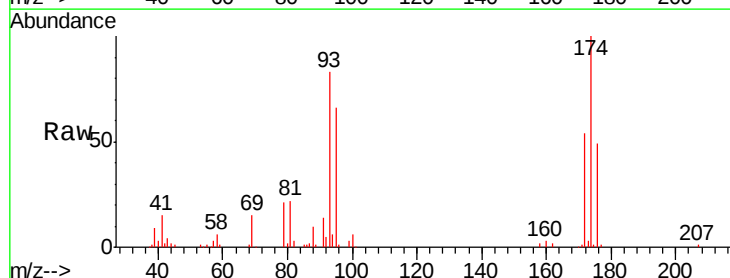
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

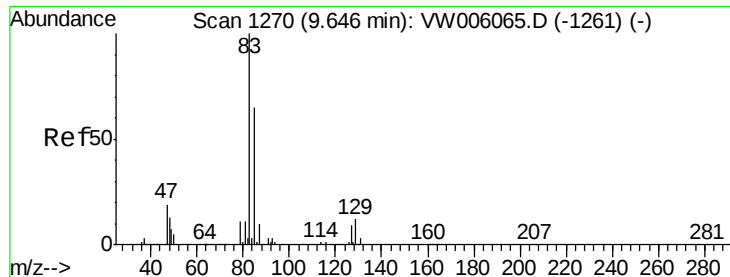
Tgt Ion: 63 Resp: 48288
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0



#46
 Dibromomethane
 Concen: 22.87 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion: 93 Resp: 27462
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.7 101.5
 174 121.4 93.7 140.5





#47

Bromodichloromethane

Concen: 22.06 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

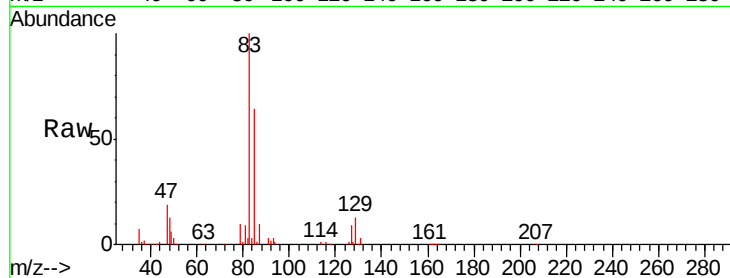
Tgt Ion: 83 Resp: 64231

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.8

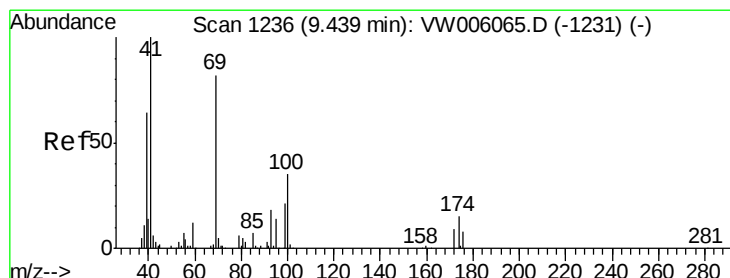
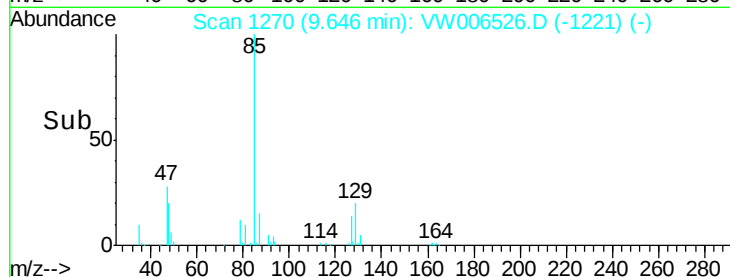
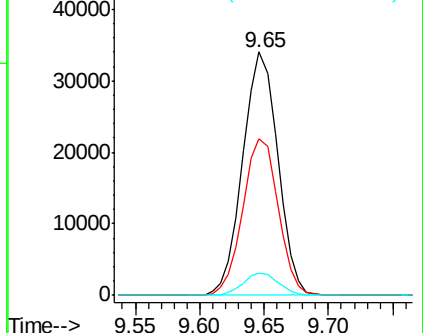
127 9.2 6.9 10.3



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: 19.75 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

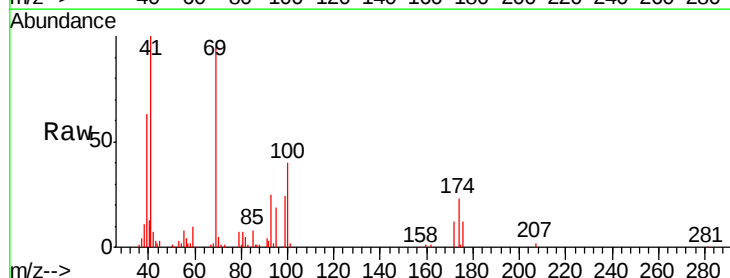
Tgt Ion: 41 Resp: 22828

Ion Ratio Lower Upper

41 100

69 102.6 71.8 107.8

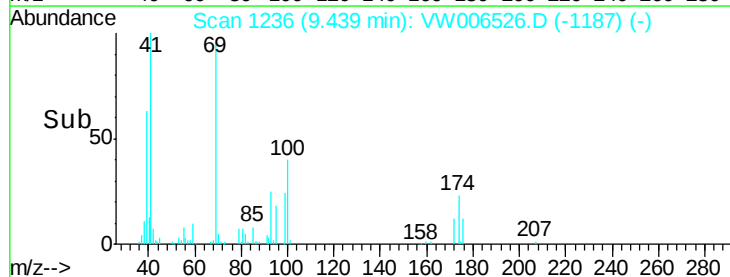
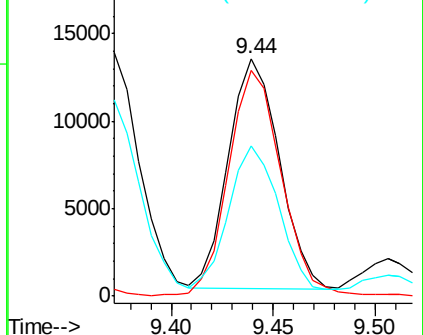
39 66.9 52.5 78.7

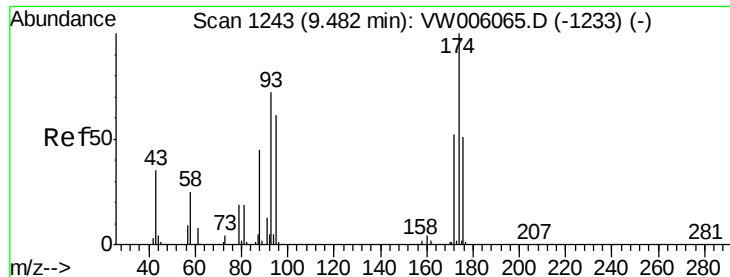


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 440.53 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

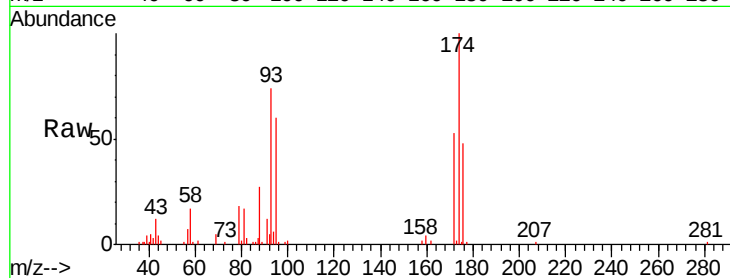
Tgt Ion: 88 Resp: 8144

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

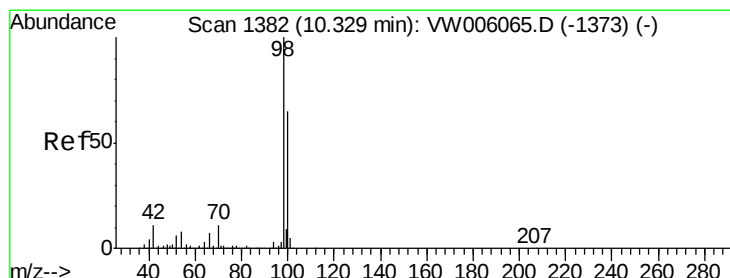
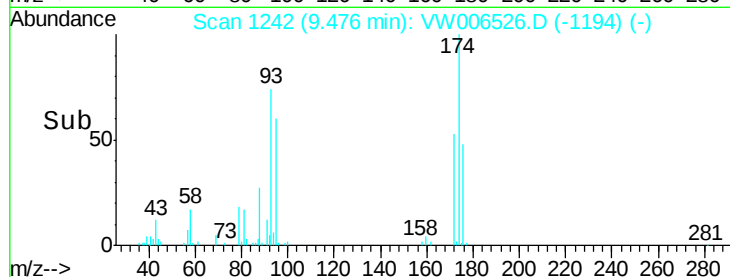
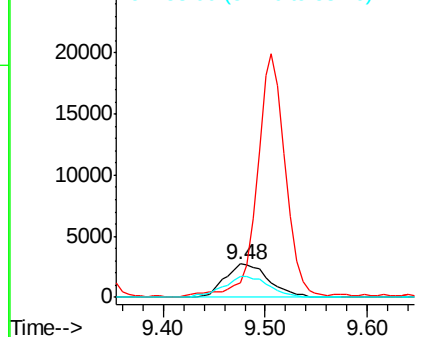
58 65.4 51.2 76.8



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: 47.15 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006526.D

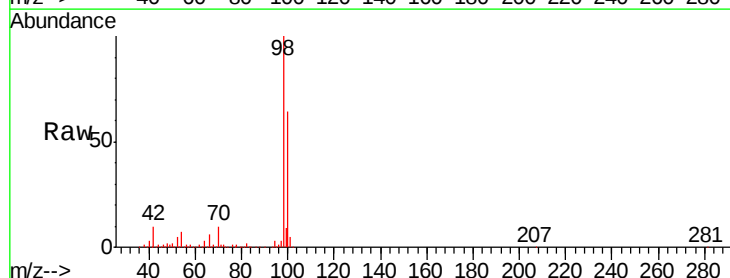
Acq: 31 Oct 2018 15:18

Tgt Ion: 98 Resp: 369152

Ion Ratio Lower Upper

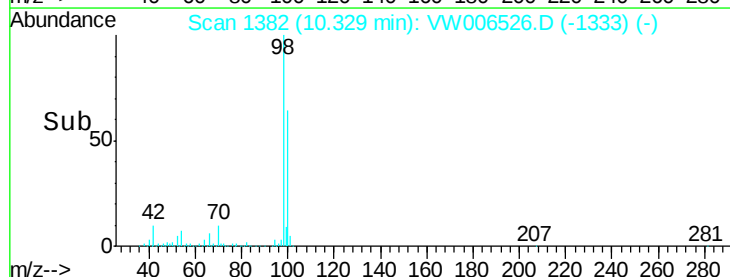
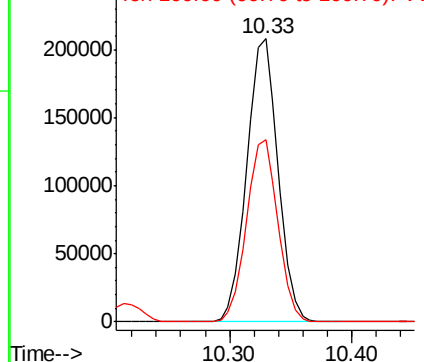
98 100

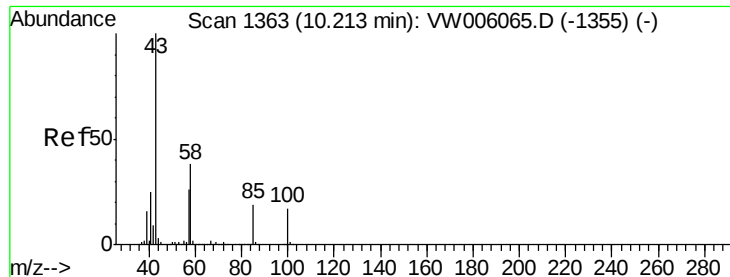
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

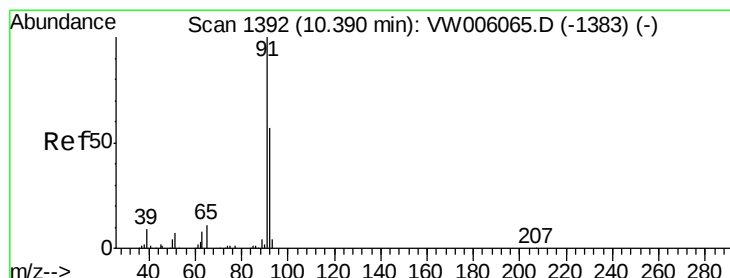
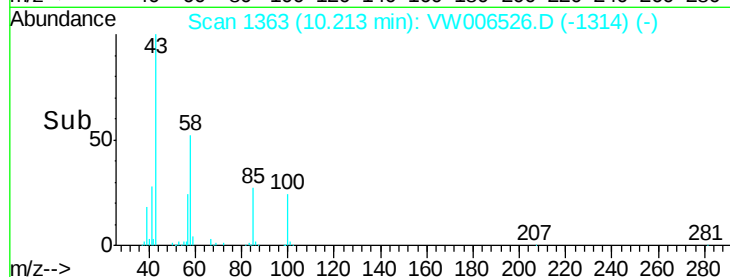
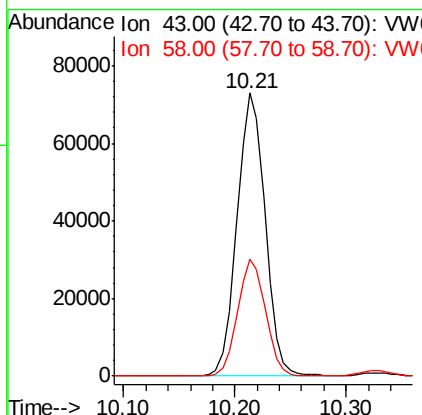
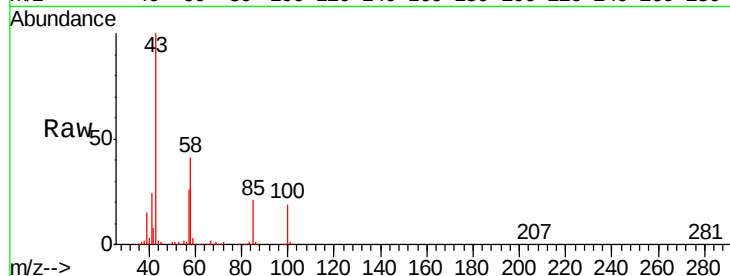




#51
 4-Methyl-2-Pentanone
 Concen: 103.98 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

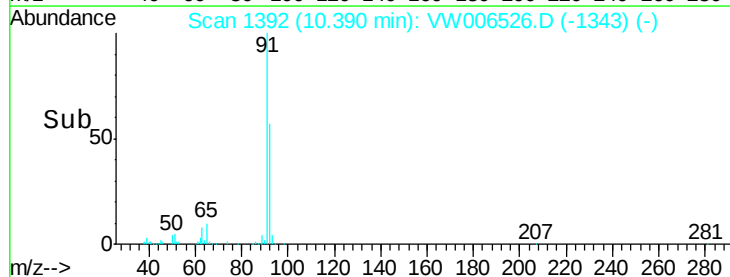
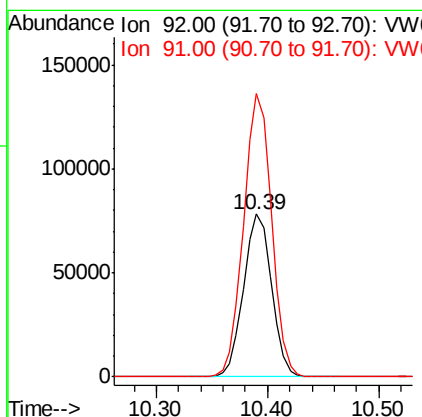
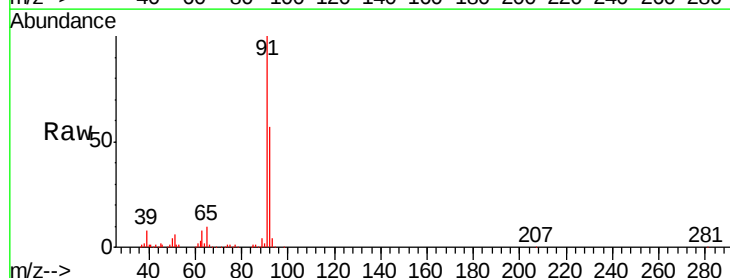
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

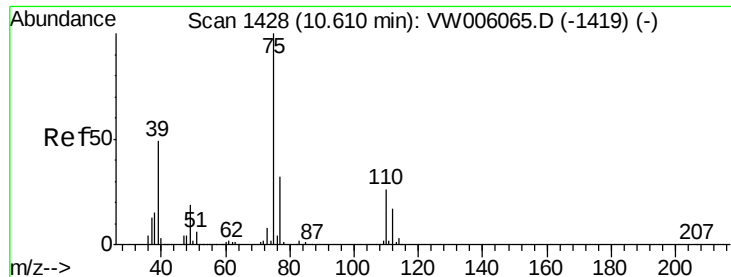
Tgt Ion: 43 Resp: 127032
 Ion Ratio Lower Upper
 43 100
 58 41.4 31.5 47.3



#52
 Toluene
 Concen: 23.26 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion: 92 Resp: 137308
 Ion Ratio Lower Upper
 92 100
 91 173.3 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 21.52 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

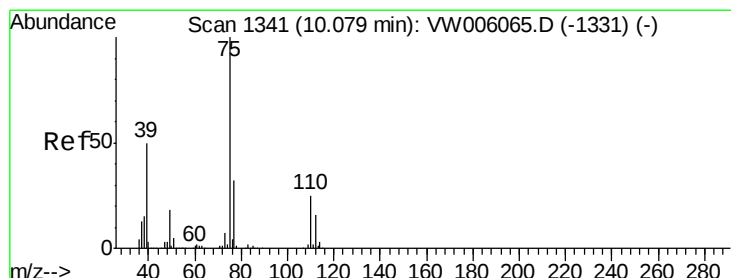
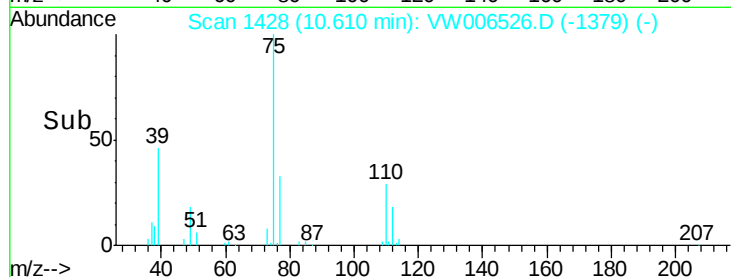
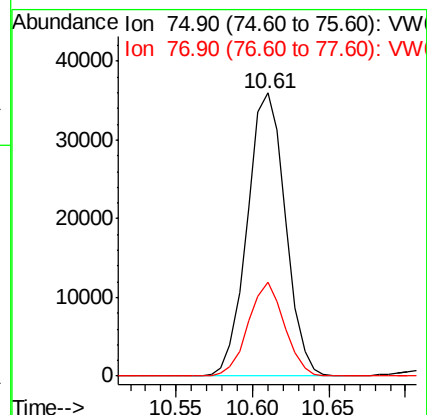
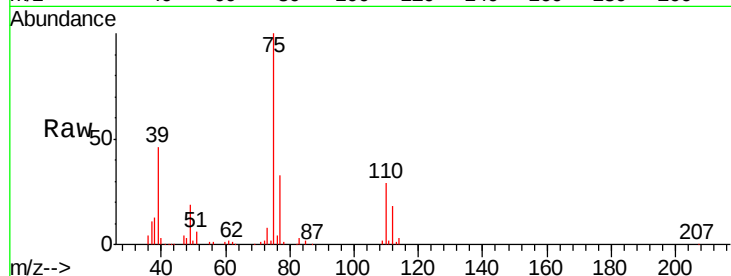
VW1101SBSD01

Tgt Ion: 75 Resp: 62423

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 22.23 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

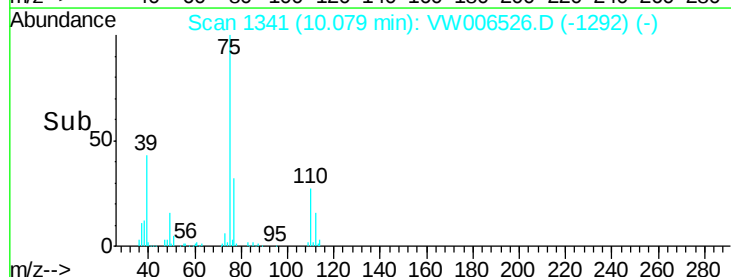
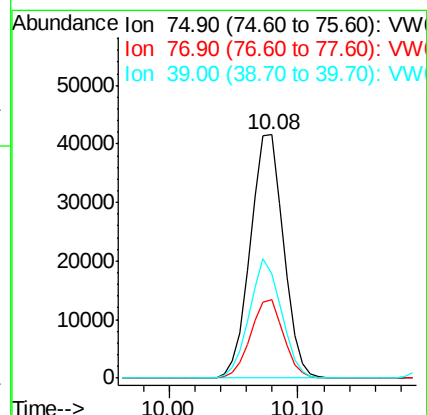
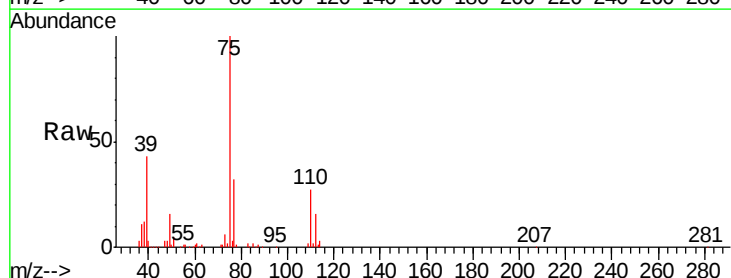
Tgt Ion: 75 Resp: 74022

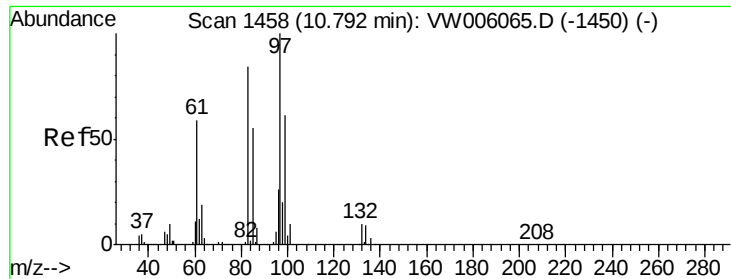
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 42.4 39.9 59.9

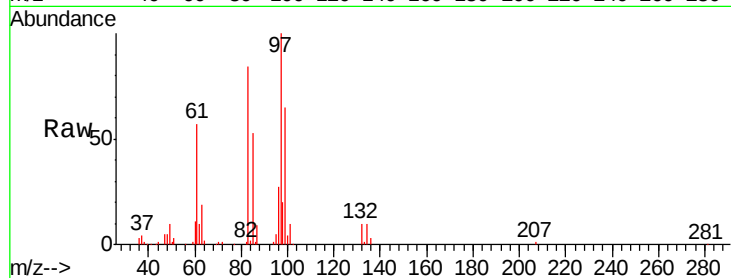




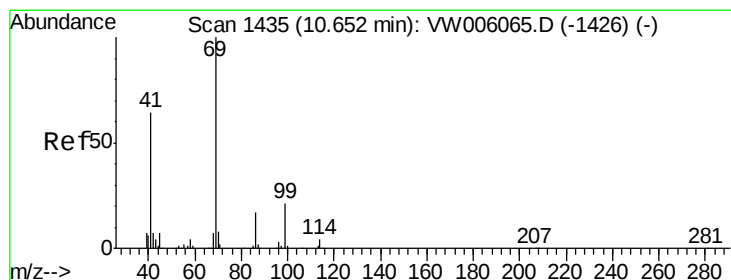
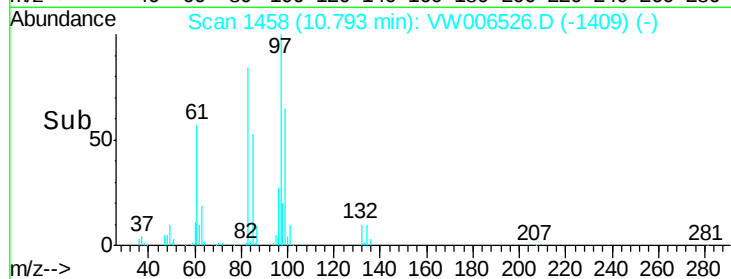
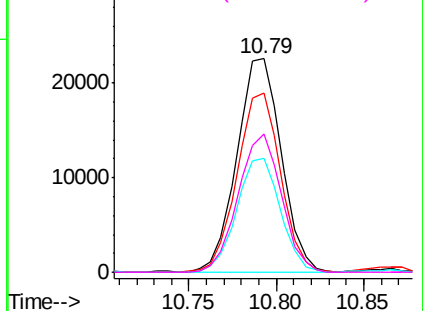
#55
 1,1,2-Trichloroethane
 Concen: 23.88 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

Tgt Ion:	97	Resp:	40134
Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.2	100.8
85	53.3	43.7	65.5
99	64.5	48.5	72.7

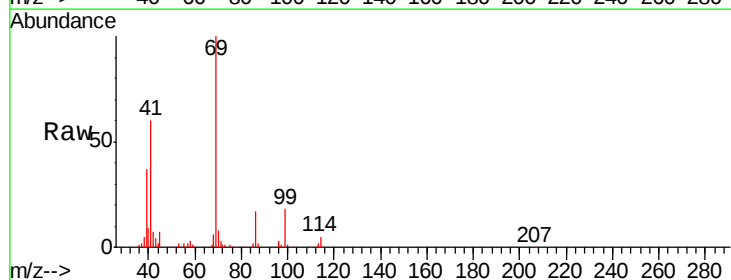


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

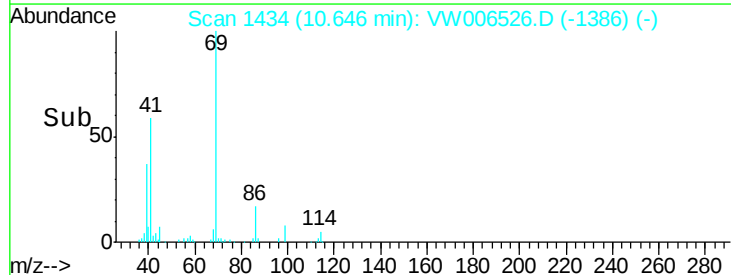
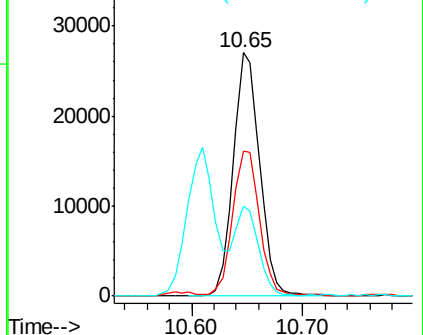


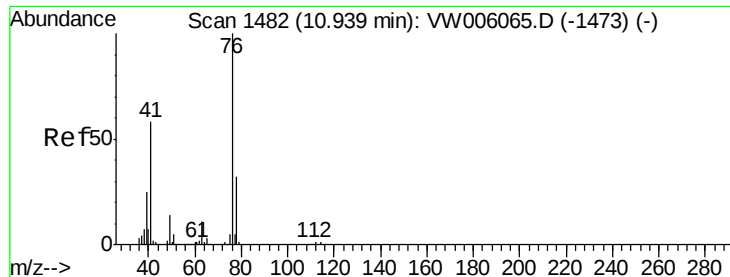
#56
 Ethyl methacrylate
 Concen: 21.57 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion:	69	Resp:	44433
Ion	Ratio	Lower	Upper
69	100		
41	61.1	52.8	79.2
39	31.2	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: 23.03 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

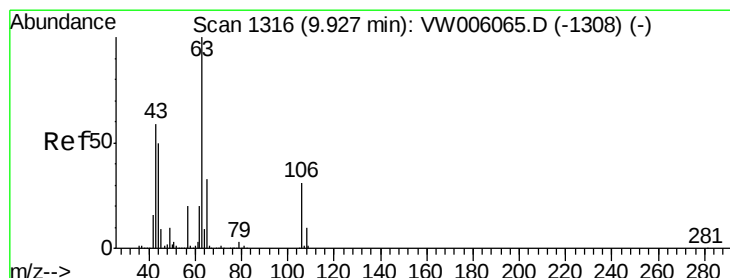
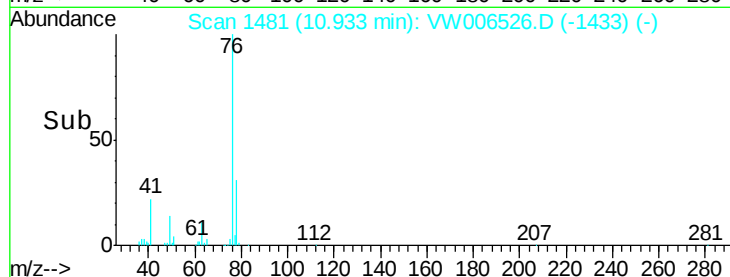
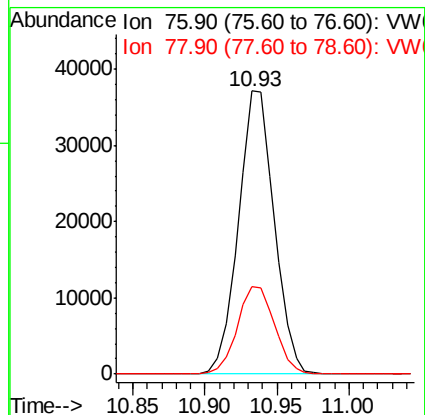
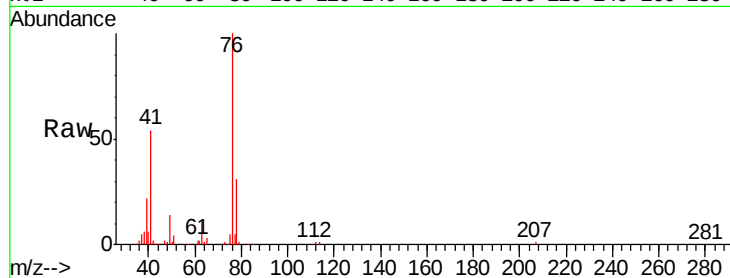
VW1101SBSD01

Tgt Ion: 76 Resp: 64053

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 107.26 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006526.D

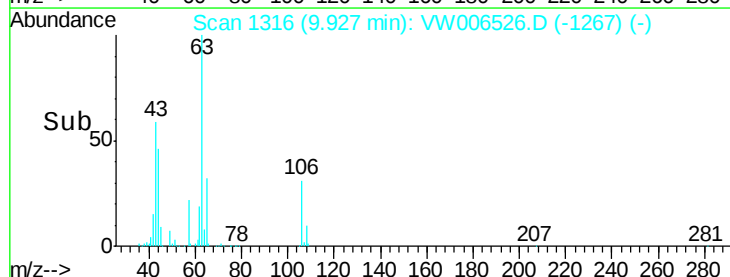
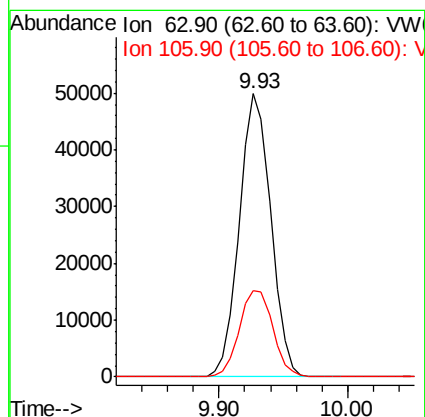
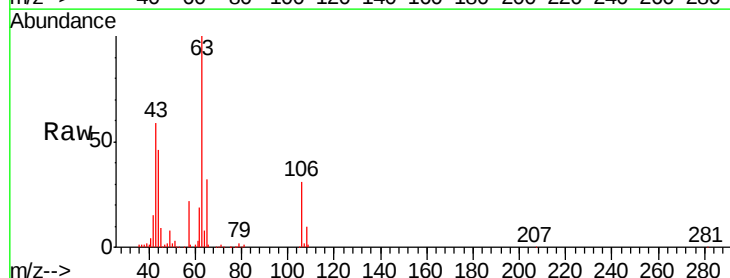
Acq: 31 Oct 2018 15:18

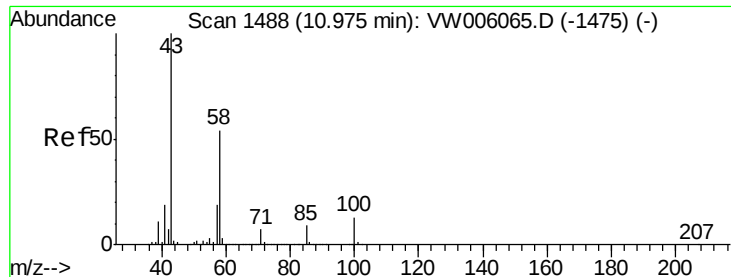
Tgt Ion: 63 Resp: 84437

Ion Ratio Lower Upper

63 100

106 32.3 24.5 36.7

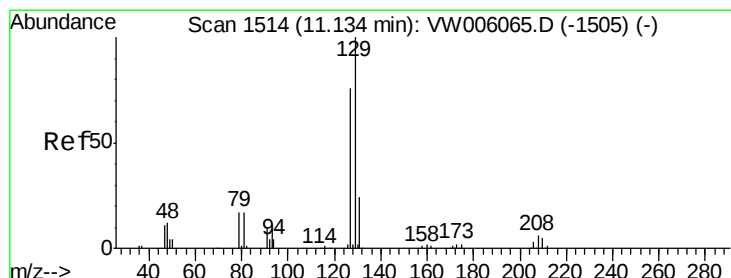
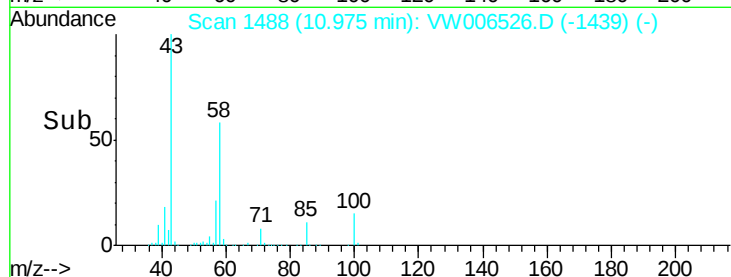
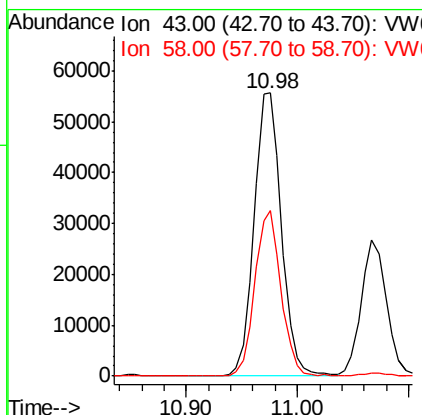
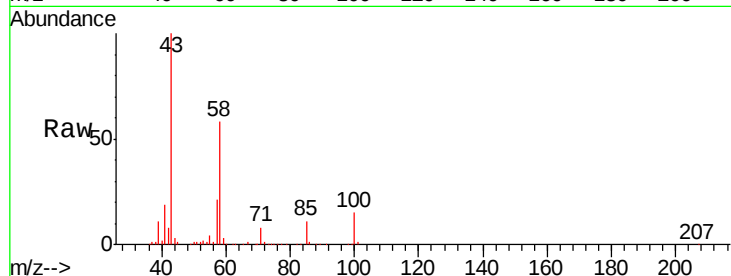




#59
2-Hexanone
Concen: 109.26 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

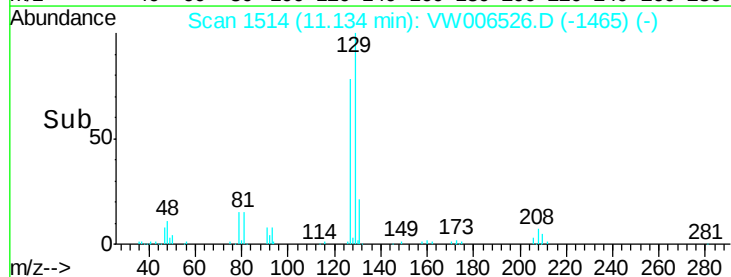
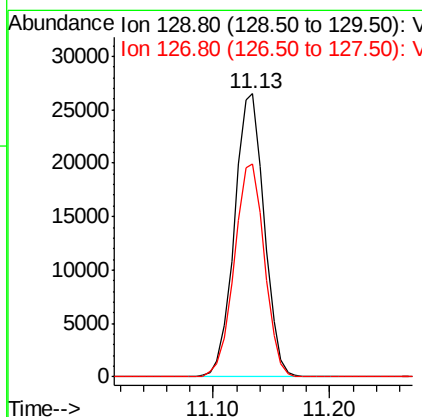
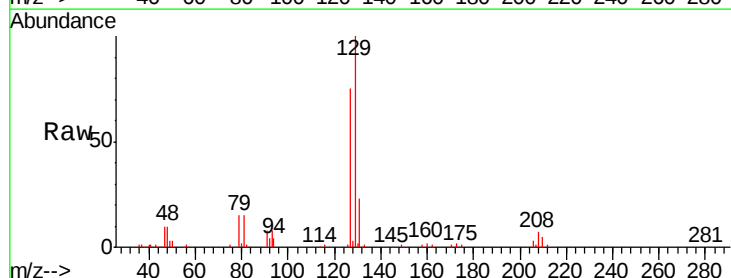
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

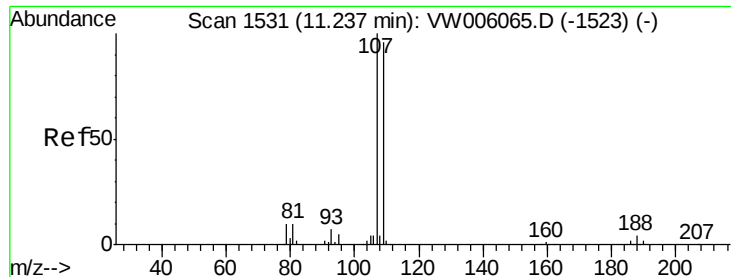
Tgt Ion: 43 Resp: 95291
Ion Ratio Lower Upper
43 100
58 56.0 26.9 80.6



#60
Dibromochloromethane
Concen: 22.60 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 129 Resp: 47304
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7

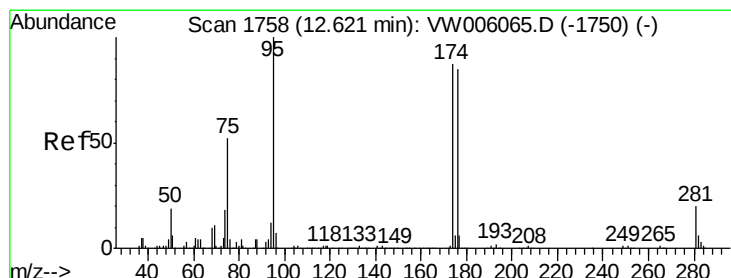
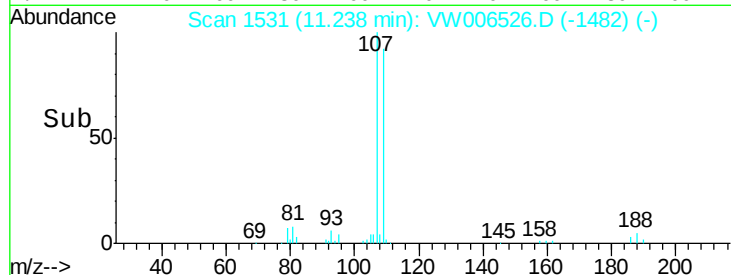
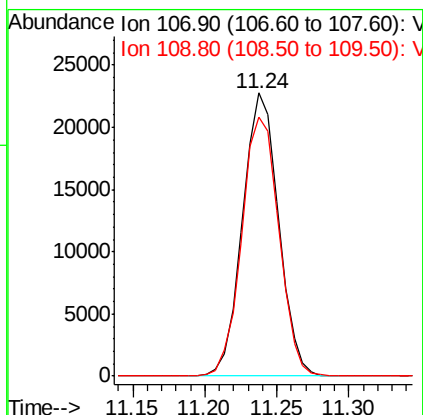
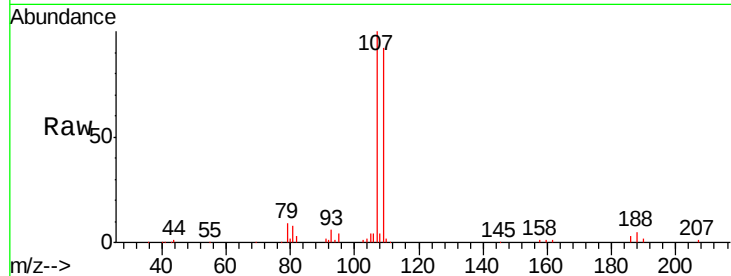




#61
 1,2-Dibromoethane
 Concen: 23.39 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

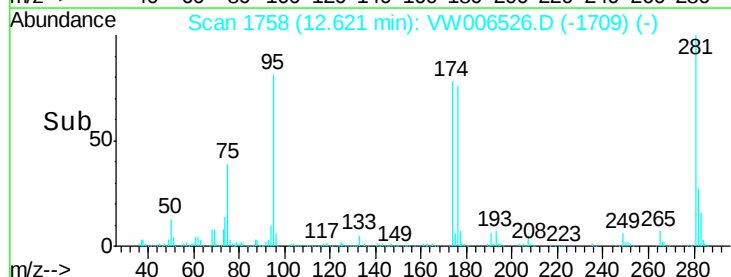
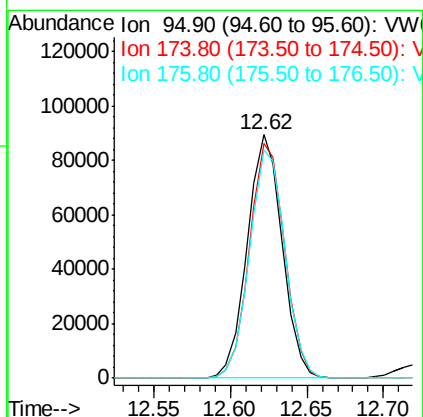
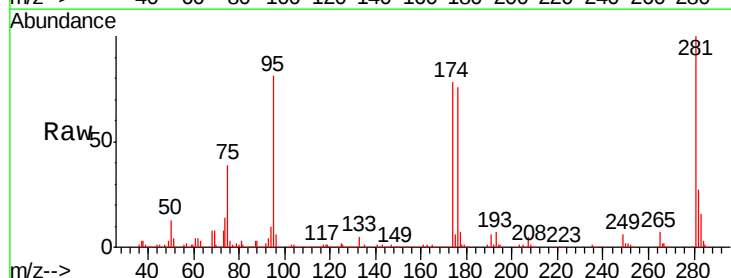
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

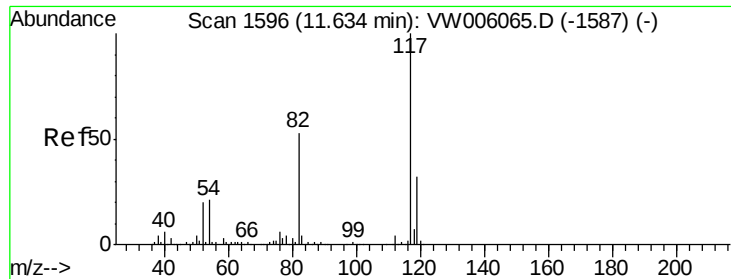
Tgt Ion: 107 Resp: 39276
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 48.31 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion: 95 Resp: 142052
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 186.0
 176 95.5 0.0 181.6

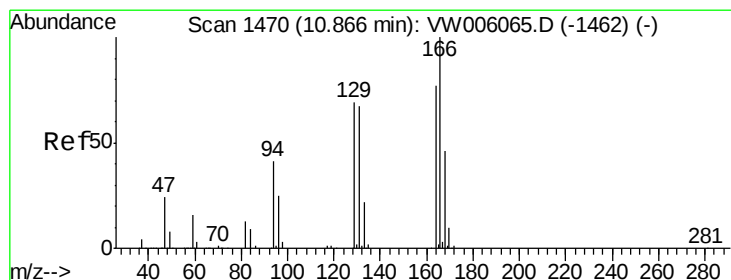
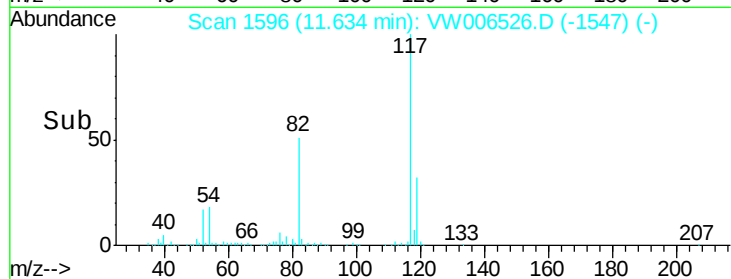
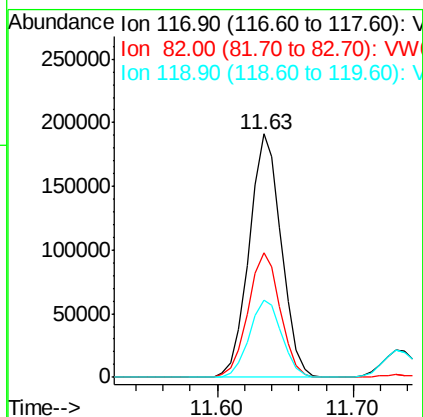
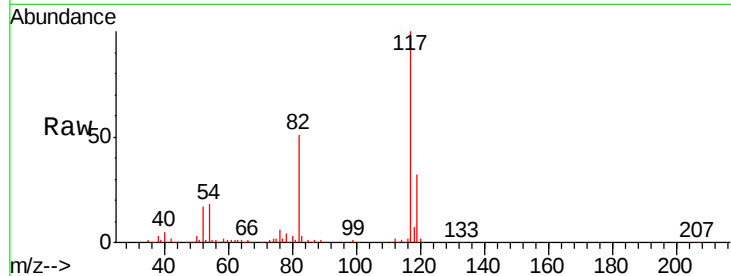




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

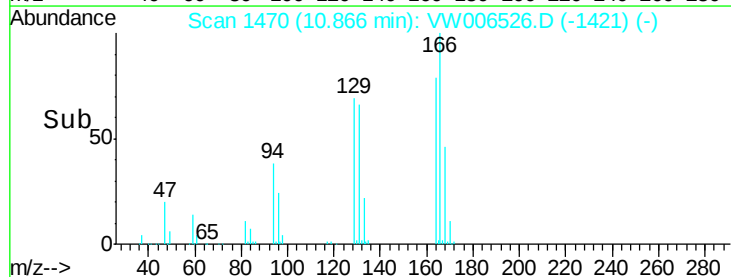
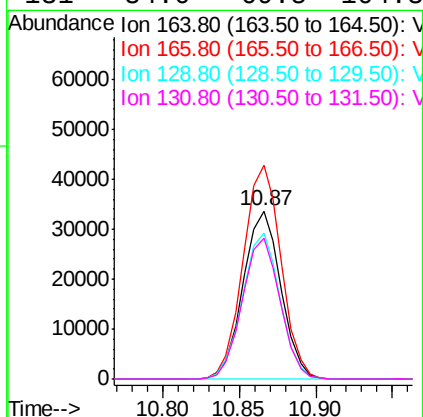
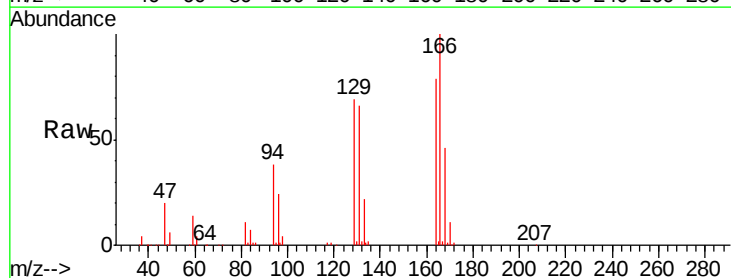
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBS01

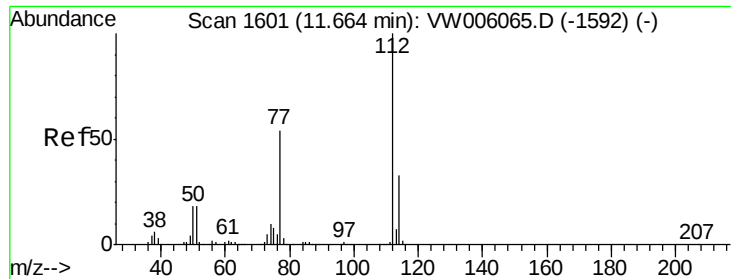
Tgt Ion:117 Resp: 315599
Ion Ratio Lower Upper
117 100
82 51.3 42.1 63.1
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 23.56 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion:164 Resp: 57731
Ion Ratio Lower Upper
164 100
166 126.9 103.4 155.0
129 87.0 71.8 107.8
131 84.0 69.5 104.3





#65

Chlorobenzene

Concen: 23.81 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

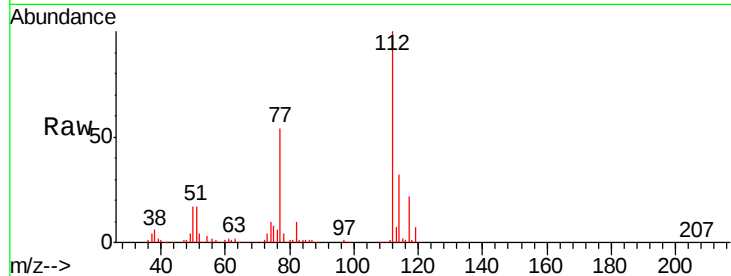
VW1101SBSD01

Tgt Ion:112 Resp: 160846

Ion Ratio Lower Upper

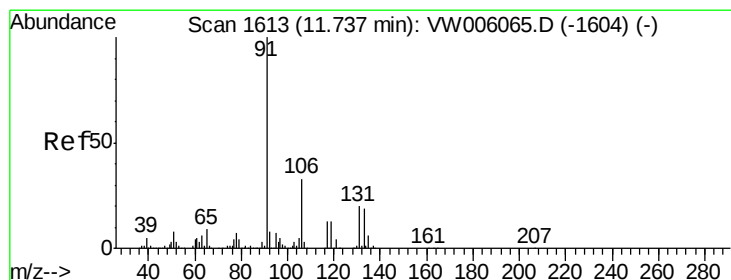
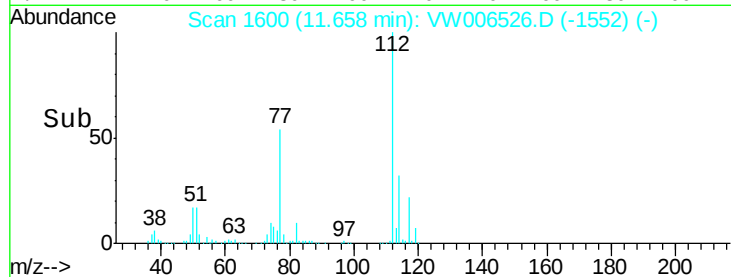
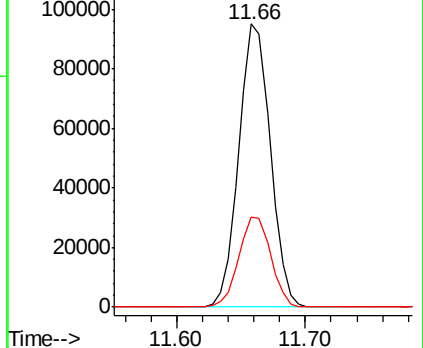
112 100

114 31.7 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: 23.55 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

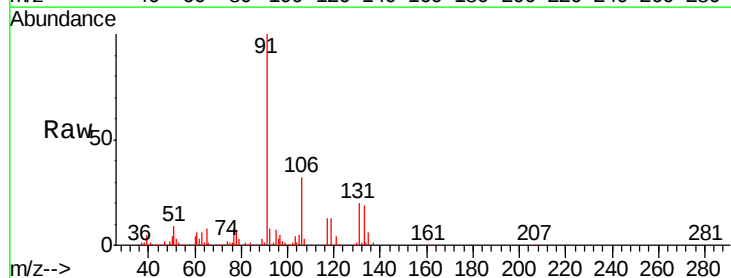
Tgt Ion:131 Resp: 56532

Ion Ratio Lower Upper

131 100

133 94.6 48.1 144.3

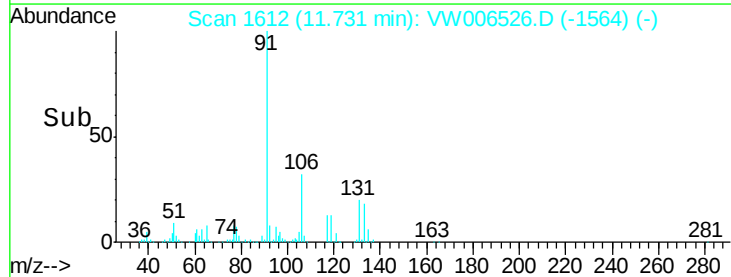
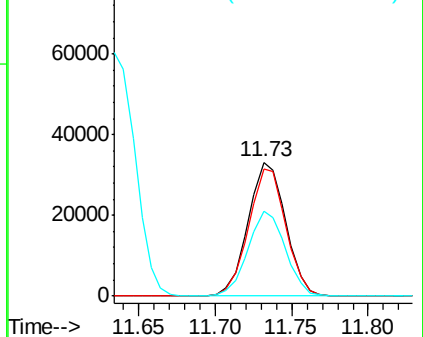
119 63.4 31.6 94.7

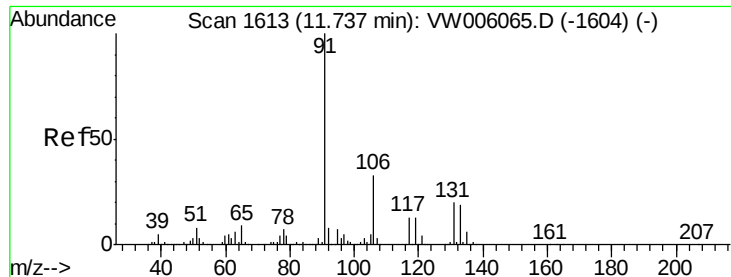


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

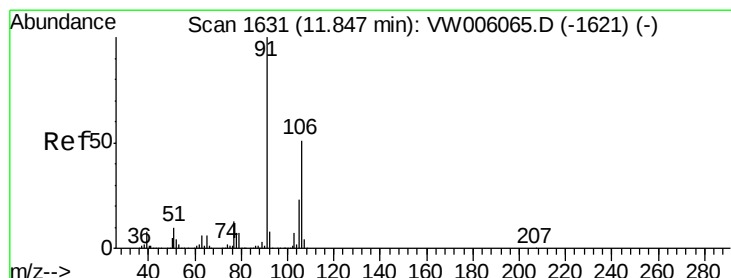
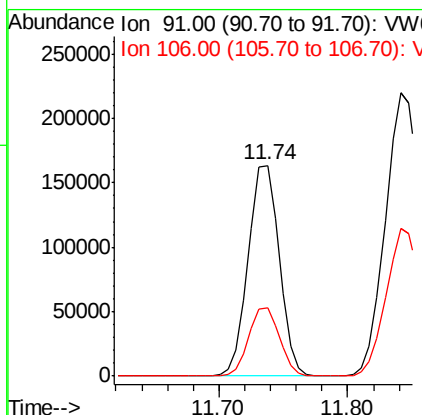
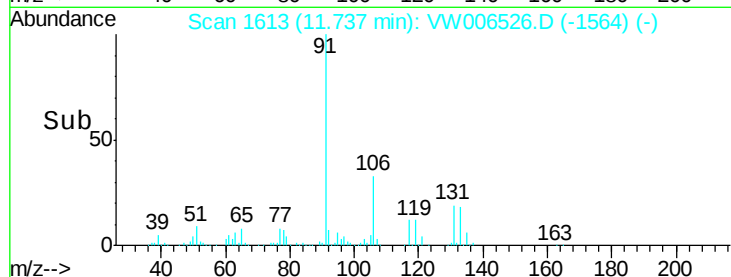
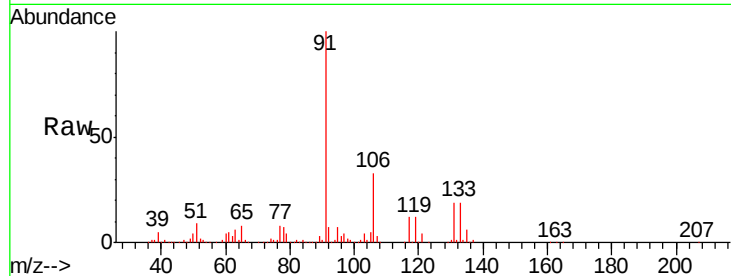




#67
Ethyl Benzene
Concen: 23.24 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

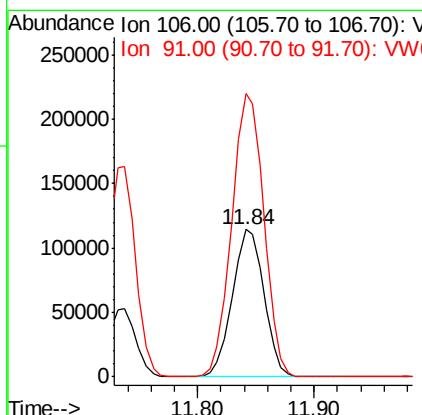
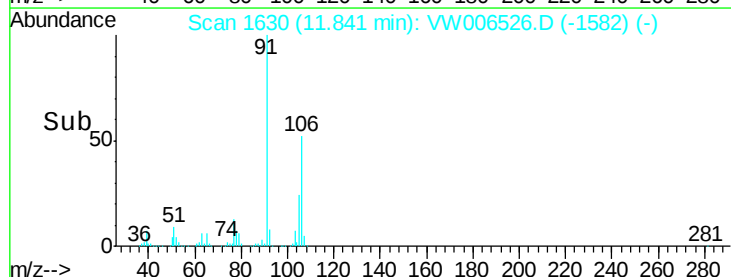
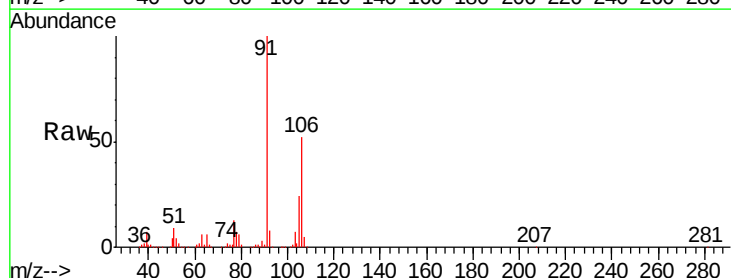
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

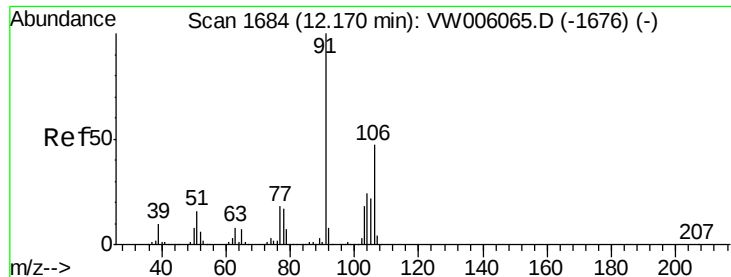
Tgt Ion: 91 Resp: 272091
Ion Ratio Lower Upper
91 100
106 32.7 26.1 39.1



#68
m/p-Xylenes
Concen: 46.73 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 106 Resp: 216262
Ion Ratio Lower Upper
106 100
91 195.2 159.1 238.7

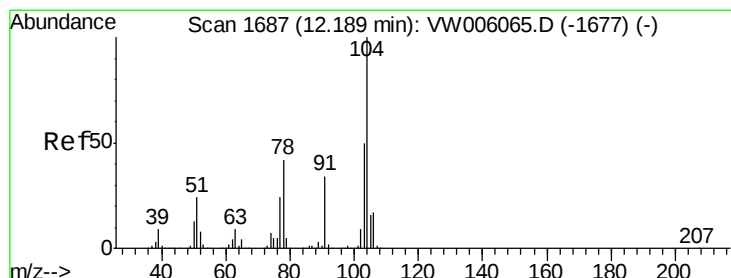
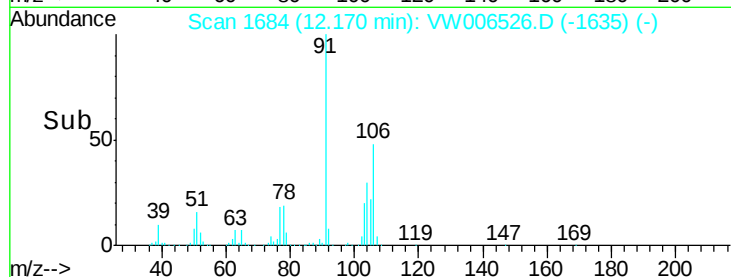
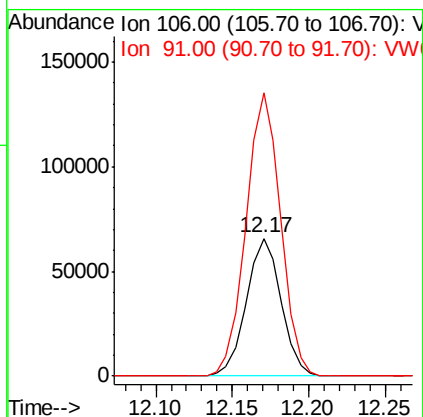
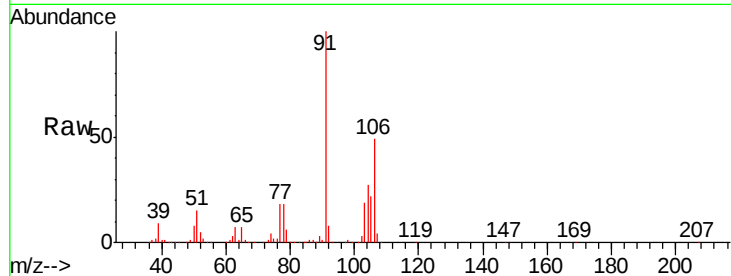




#69
o-Xylene
Concen: 23.51 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

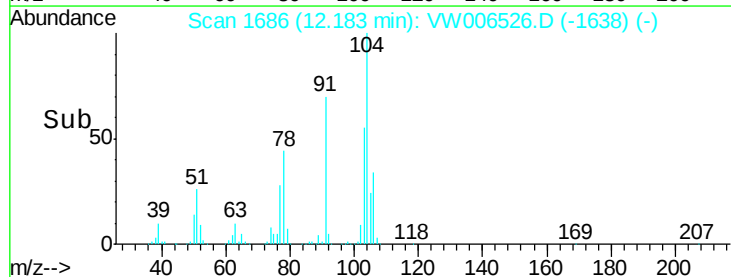
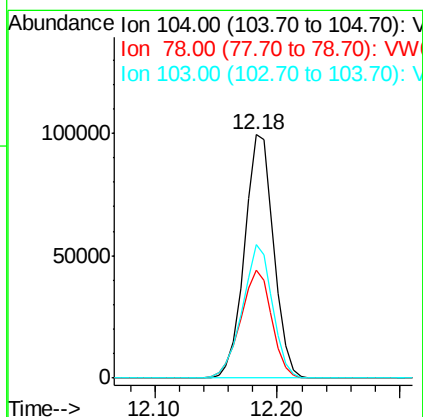
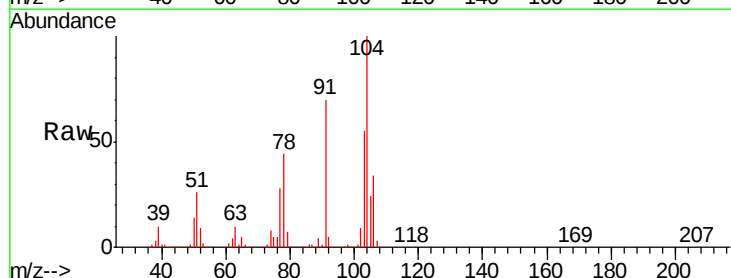
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tgt Ion:106 Resp: 103692
Ion Ratio Lower Upper
106 100
91 205.2 105.4 316.1



#70
Styrene
Concen: 22.92 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion:104 Resp: 164384
Ion Ratio Lower Upper
104 100
78 47.3 39.1 58.7
103 56.4 44.3 66.5





#71

Bromoform

Concen: 21.00 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

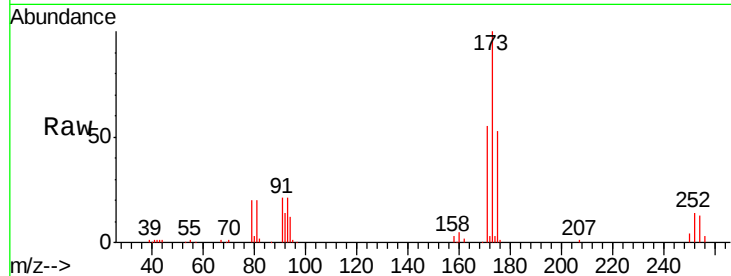
Tgt Ion:173 Resp: 28127

Ion Ratio Lower Upper

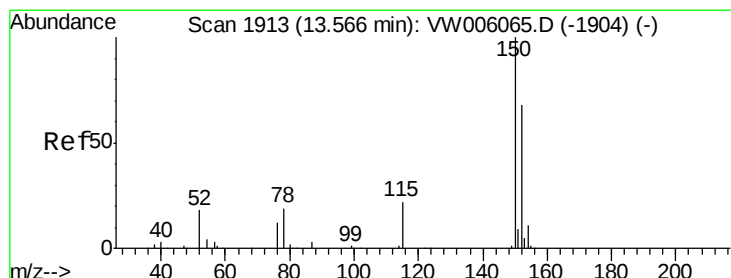
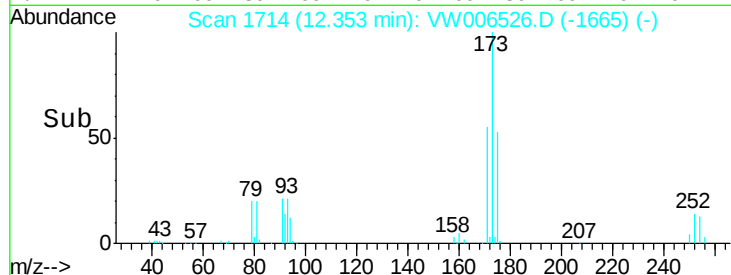
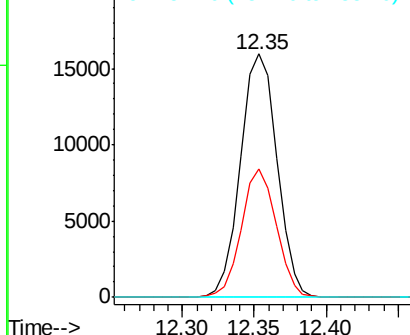
173 100

175 50.3 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: VW006526.D

Acq: 31 Oct 2018 15:18

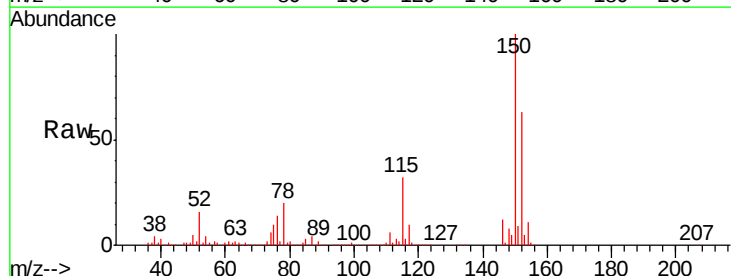
Tgt Ion:152 Resp: 178752

Ion Ratio Lower Upper

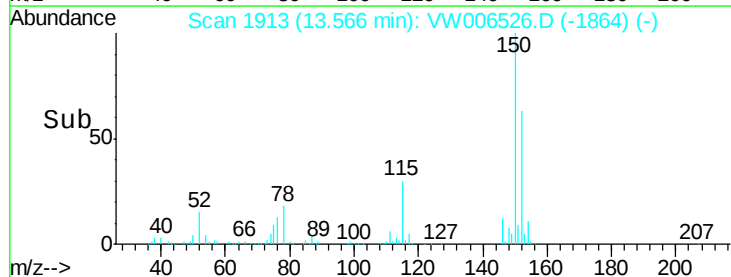
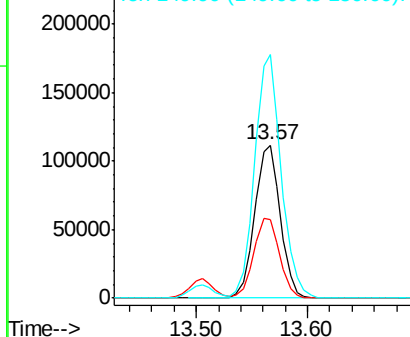
152 100

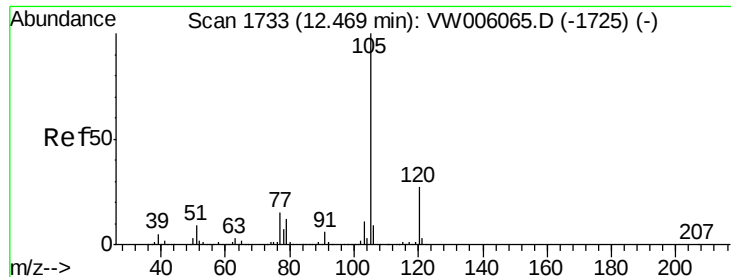
115 52.8 27.8 83.3

150 164.7 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: 22.89 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

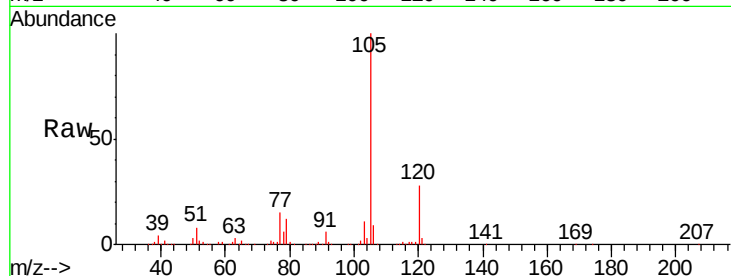
VW1101SBSD01

Tgt Ion: 105 Resp: 289018

Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

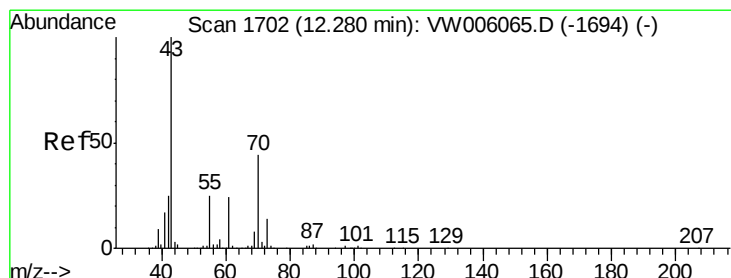
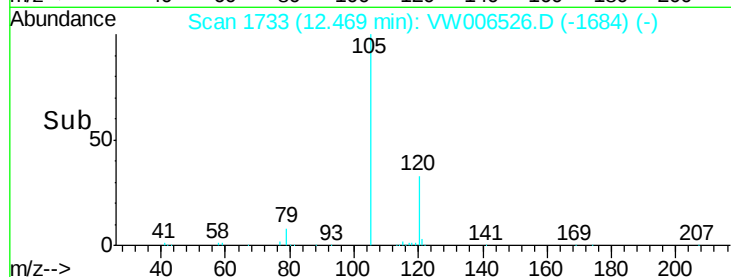
0

12.40

12.47

12.50

Time-->



#74

N-ethyl acetate

Concen: 19.41 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Tgt Ion: 43 Resp: 47602

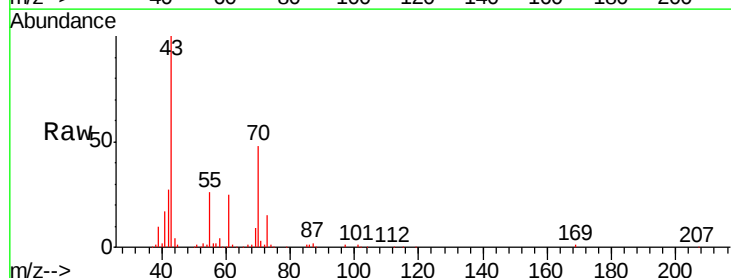
Ion Ratio Lower Upper

43 100

70 47.4 34.2 51.4

55 27.0 19.2 28.8

61 25.2 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

20000

10000

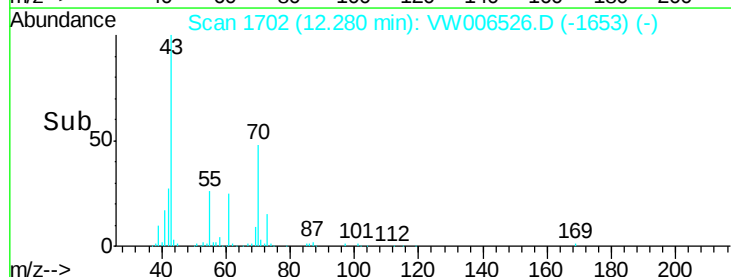
0

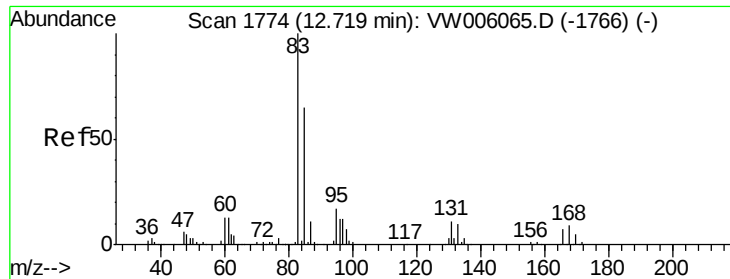
12.20

12.28

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.99 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

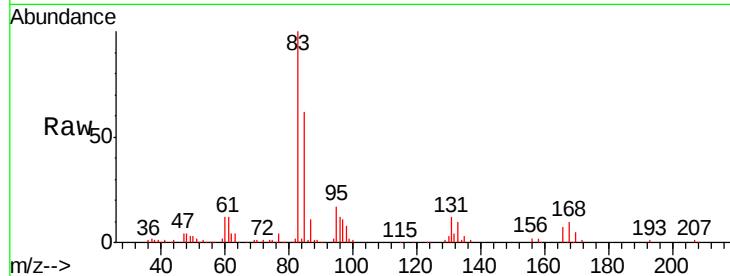
Tgt Ion: 83 Resp: 44152

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.7

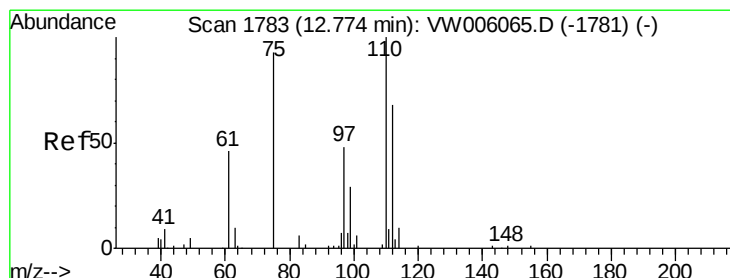
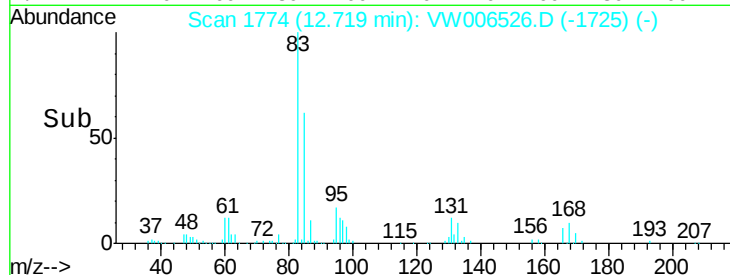
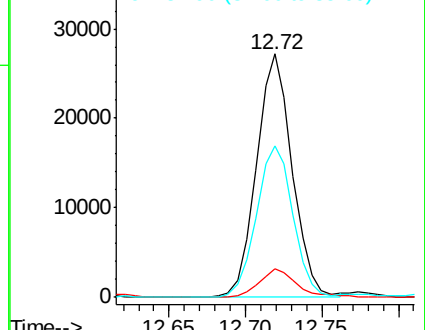
85 63.8 31.9 95.9



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: 41.06 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006526.D

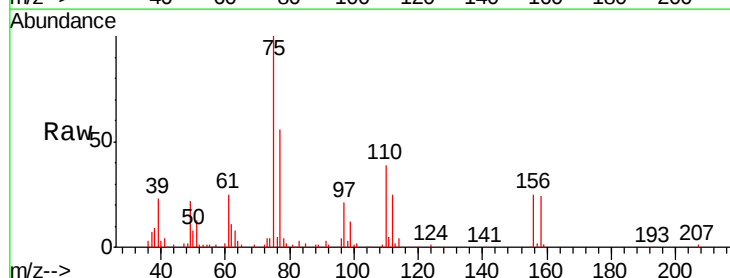
Acq: 31 Oct 2018 15:18

Tgt Ion: 75 Resp: 56055

Ion Ratio Lower Upper

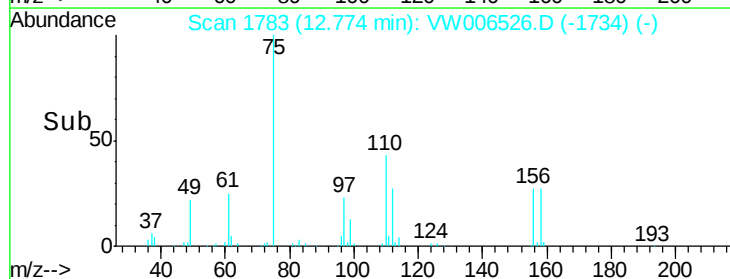
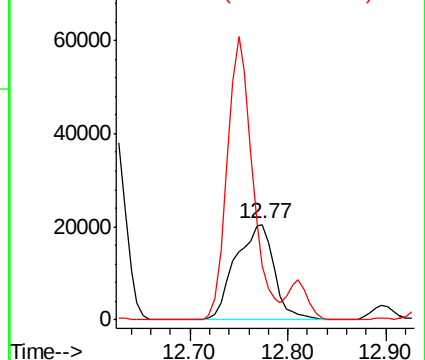
75 100

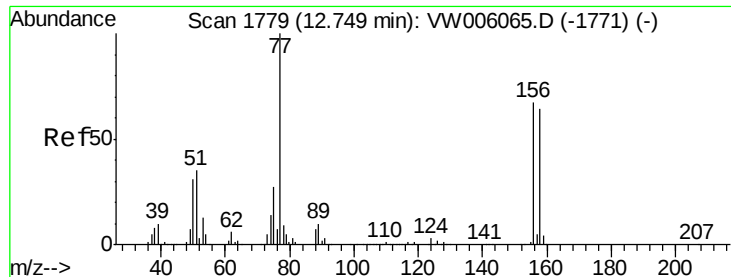
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

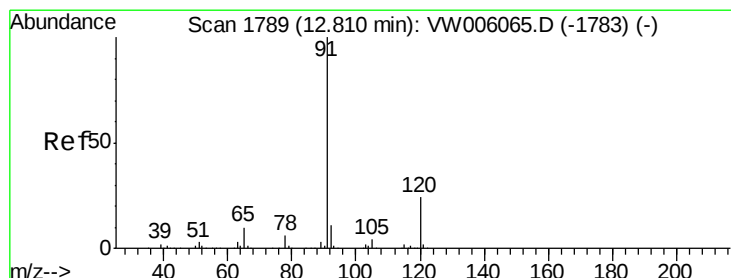
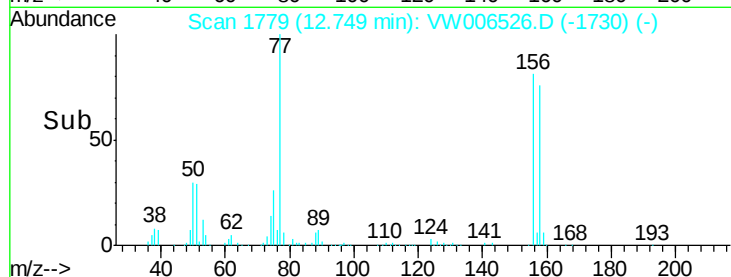
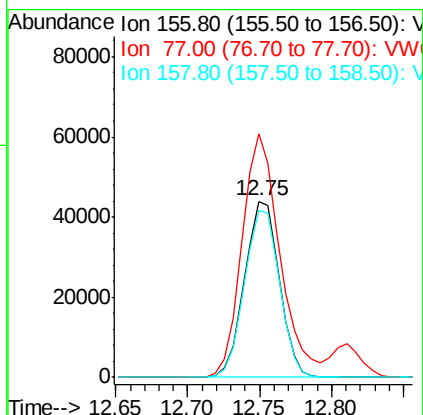
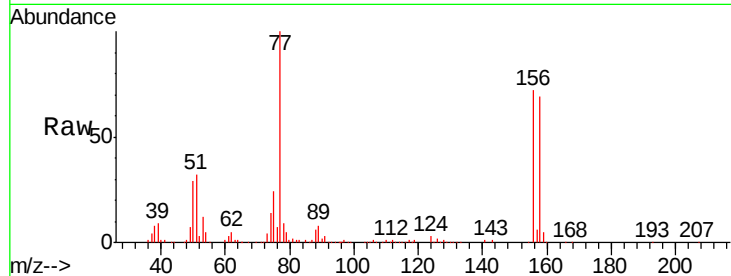




#77
Bromobenzene
Concen: 23.60 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

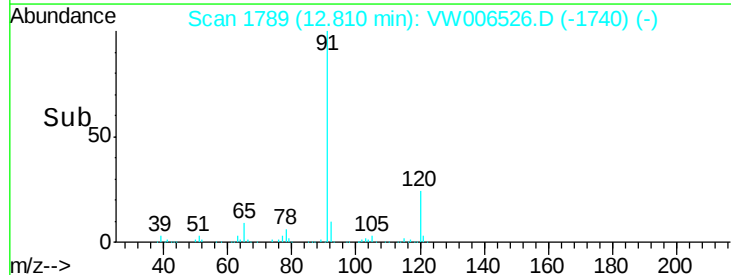
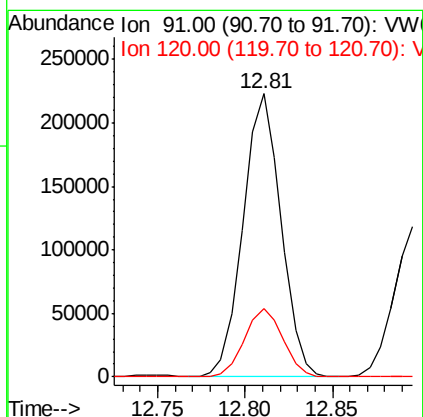
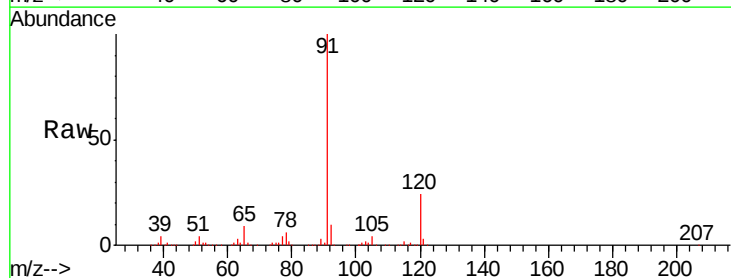
Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

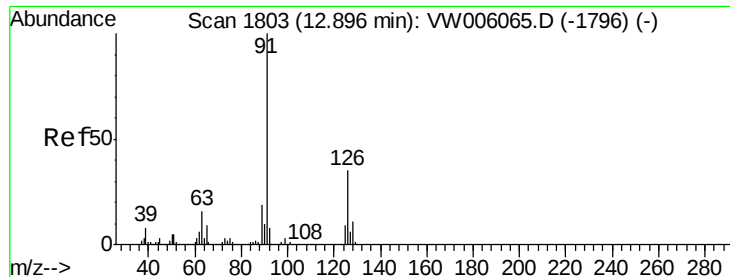
Tgt Ion:156 Resp: 73004
Ion Ratio Lower Upper
156 100
77 151.2 79.1 237.4
158 96.5 48.5 145.6



#78
n-propylbenzene
Concen: 22.83 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion: 91 Resp: 335425
Ion Ratio Lower Upper
91 100
120 24.7 12.2 36.6





#79

2-Chlorotoluene

Concen: 22.88 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

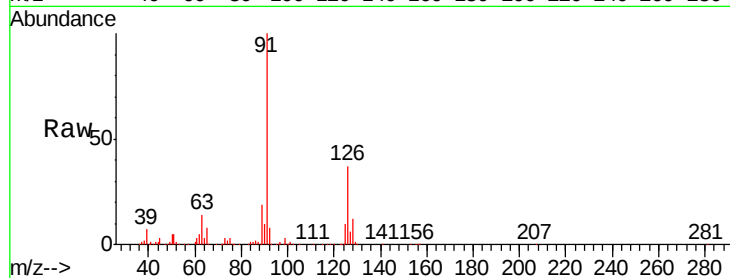
VW1101SBSD01

Tgt Ion: 91 Resp: 188892

Ion Ratio Lower Upper

91 100

126 37.2 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

150000

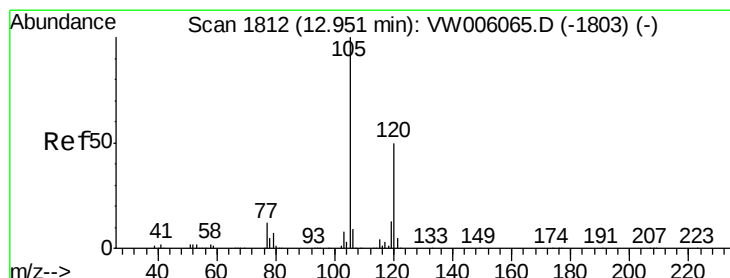
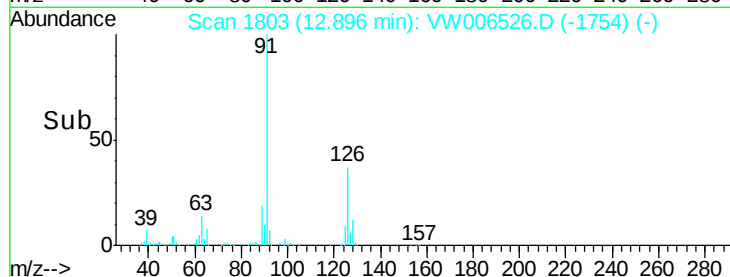
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.88 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006526.D

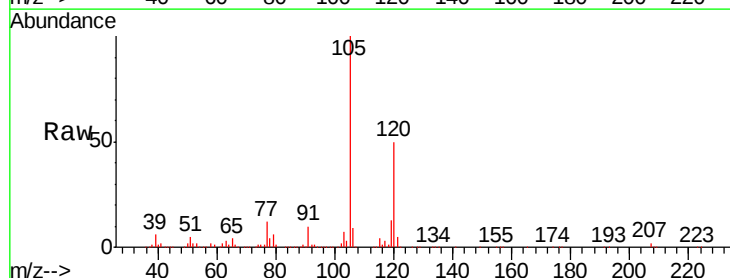
Acq: 31 Oct 2018 15:18

Tgt Ion: 105 Resp: 243566

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

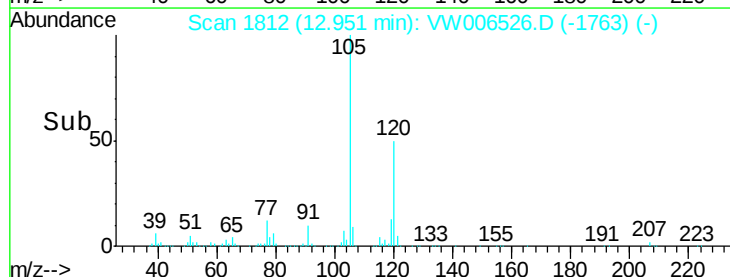
100000

50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.34 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

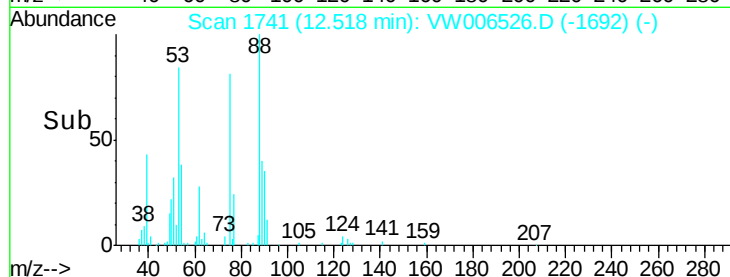
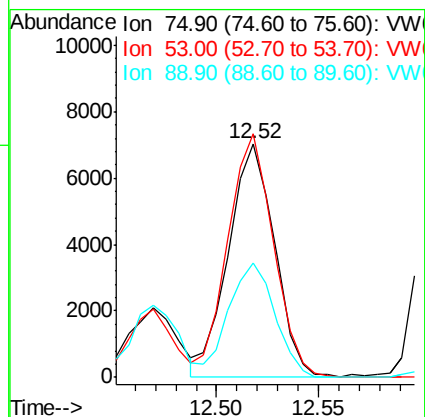
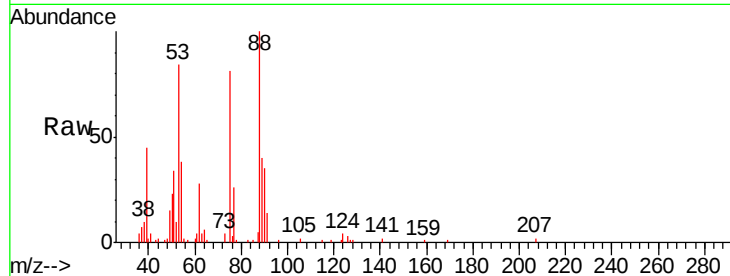
Tgt Ion: 75 Resp: 11044

Ion Ratio Lower Upper

75 100

53 103.5 79.8 119.6

89 48.4 37.5 56.3



#82

4-Chlorotoluene

Concen: 23.05 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006526.D

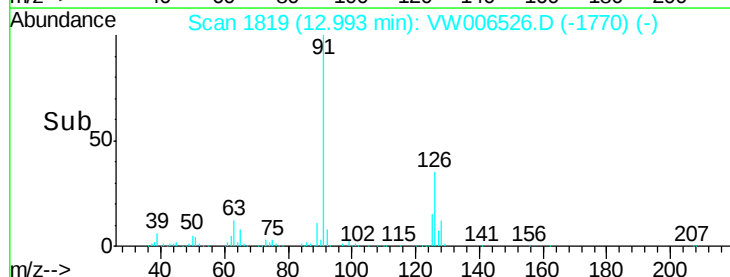
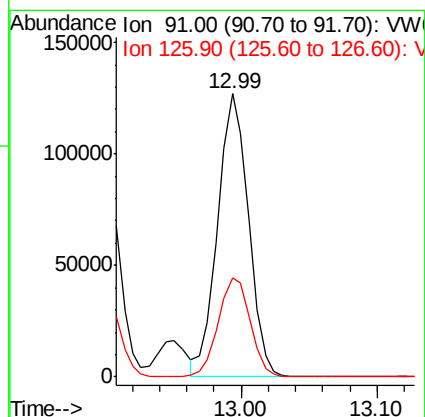
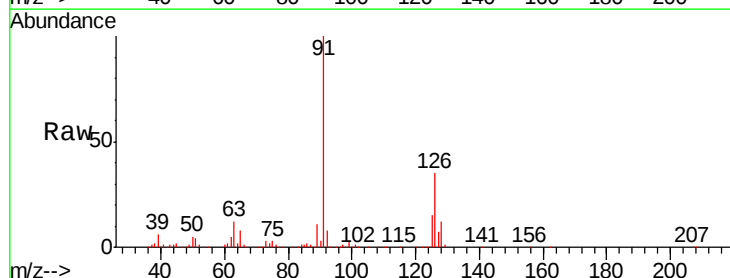
Acq: 31 Oct 2018 15:18

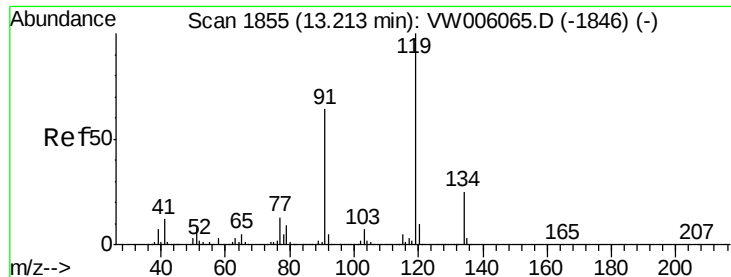
Tgt Ion: 91 Resp: 199349

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.3

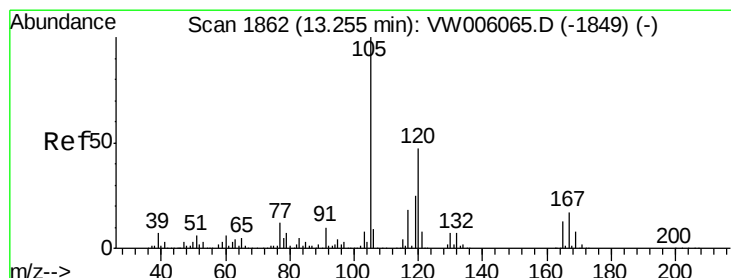
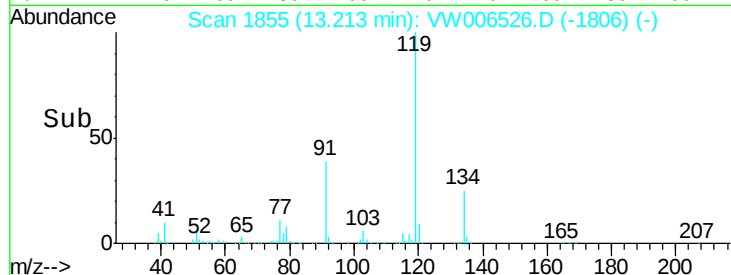
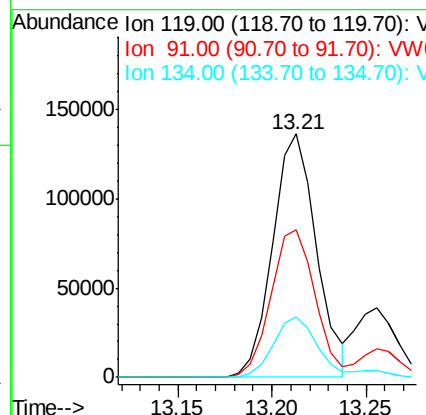
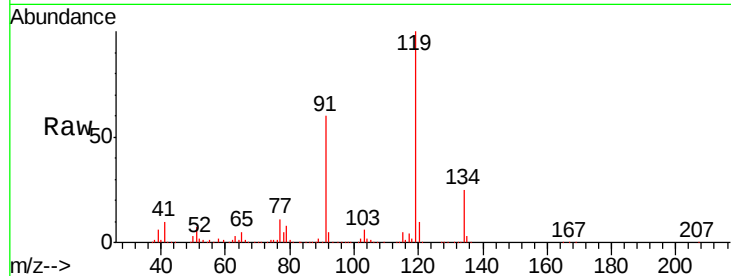




#83
 tert-Butylbenzene
 Concen: 23.05 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

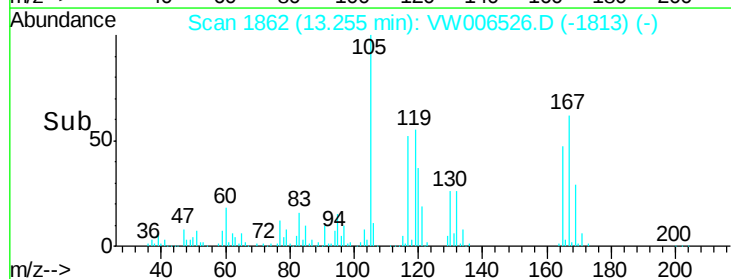
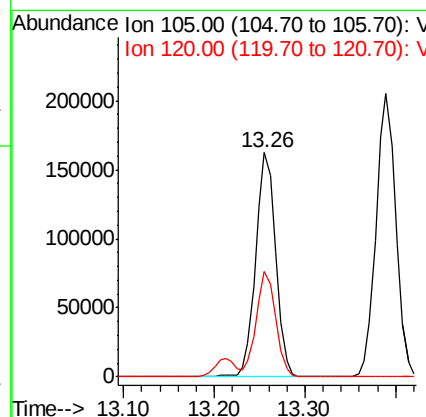
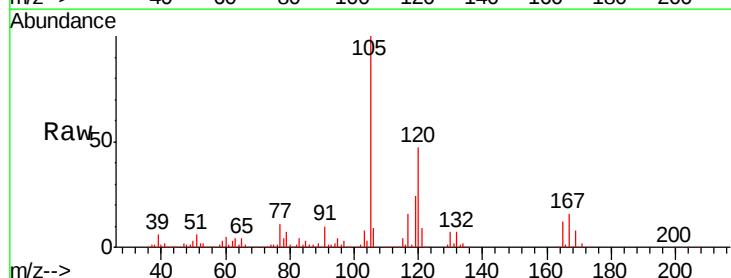
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

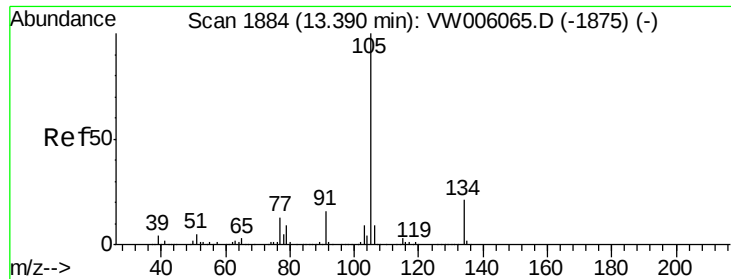
Tgt Ion:119 Resp: 219581
 Ion Ratio Lower Upper
 119 100
 91 60.9 32.3 96.9
 134 25.2 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 23.08 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion:105 Resp: 248663
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.3





#85

sec-Butylbenzene

Concen: 22.98 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

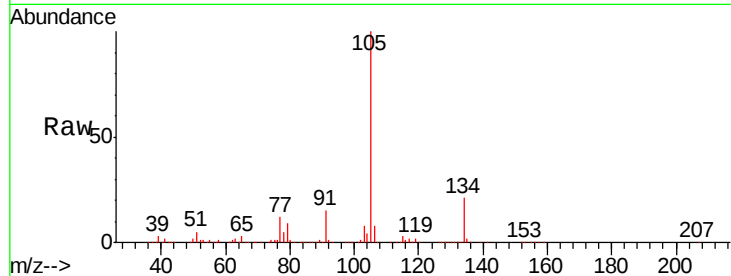
VW1101SBSD01

Tgt Ion:105 Resp: 309248

Ion Ratio Lower Upper

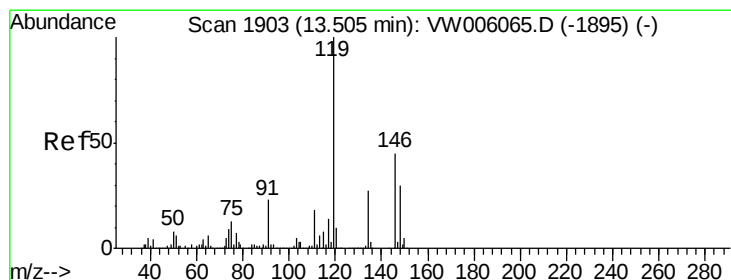
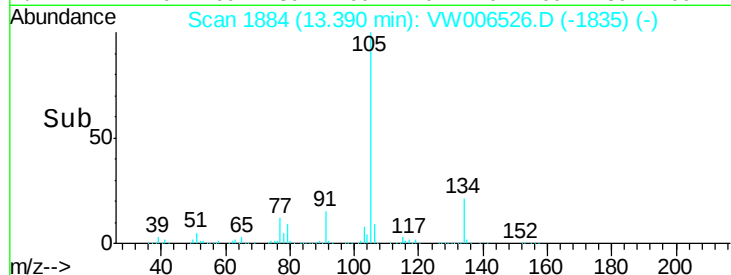
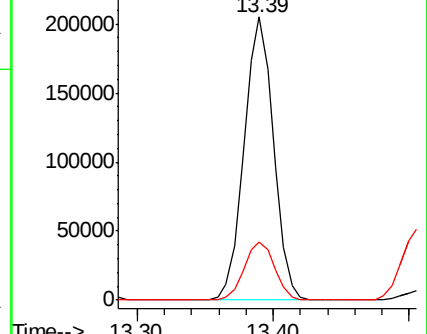
105 100

134 21.4 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.97 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

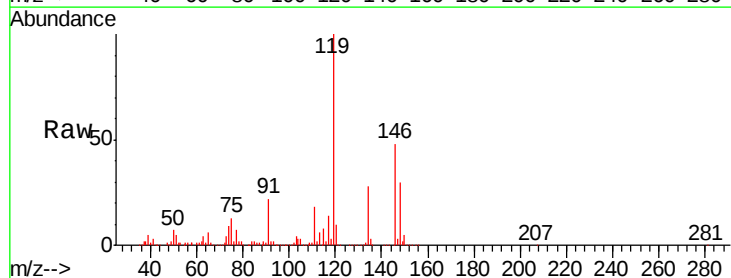
Tgt Ion:119 Resp: 279539

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

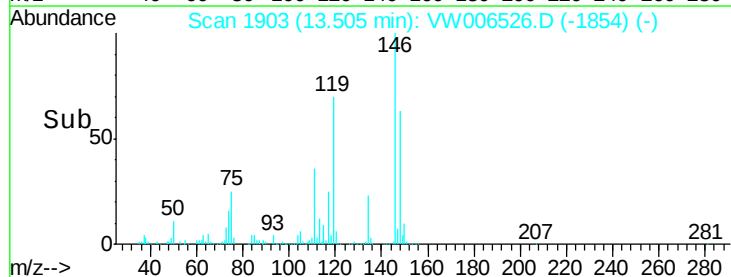
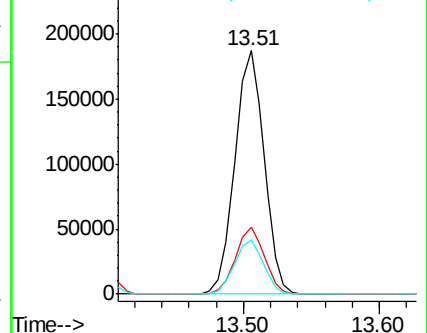
91 22.0 11.4 34.1

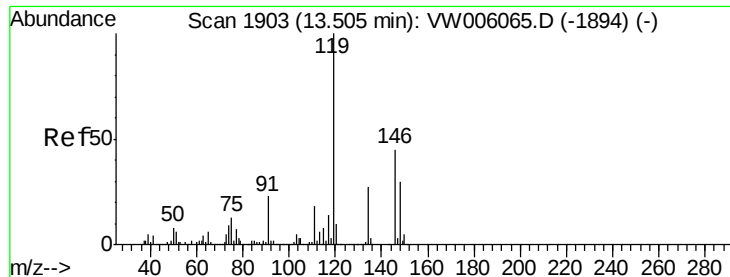


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

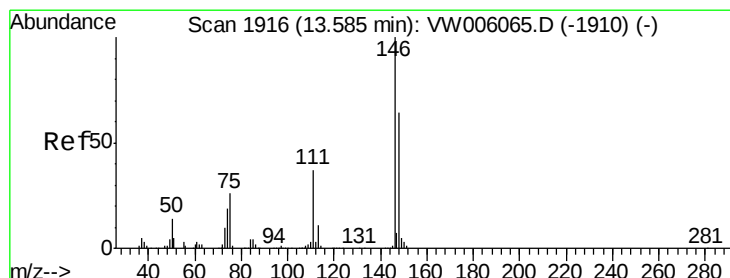
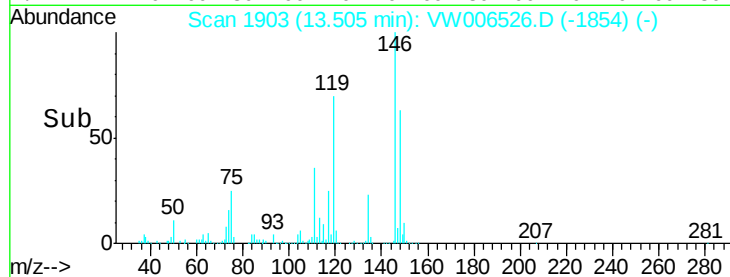
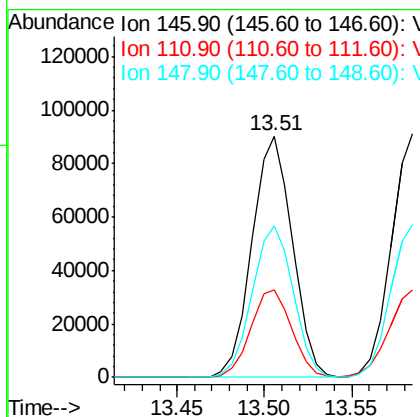
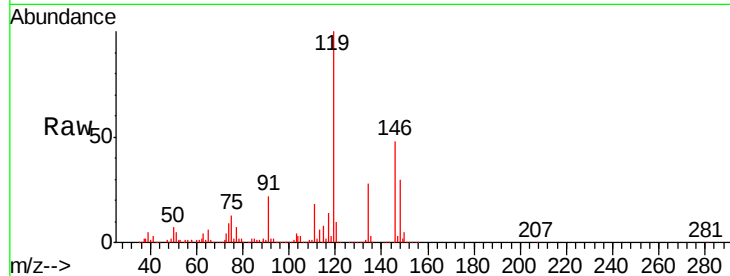




#87
 1,3-Dichlorobenzene
 Concen: 23.50 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

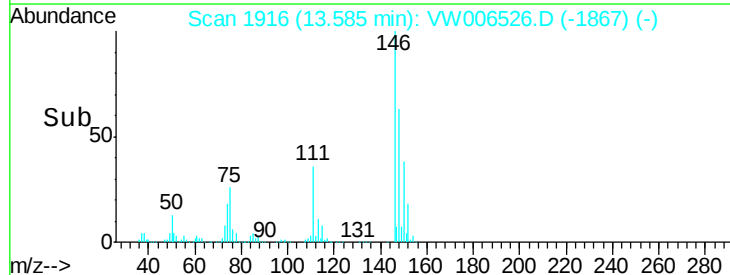
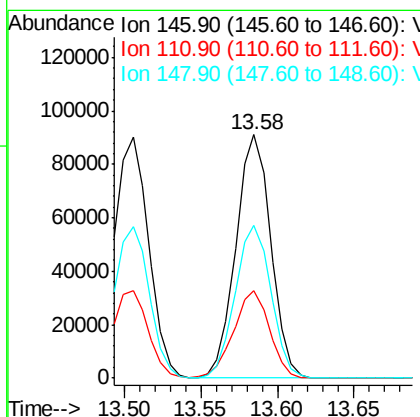
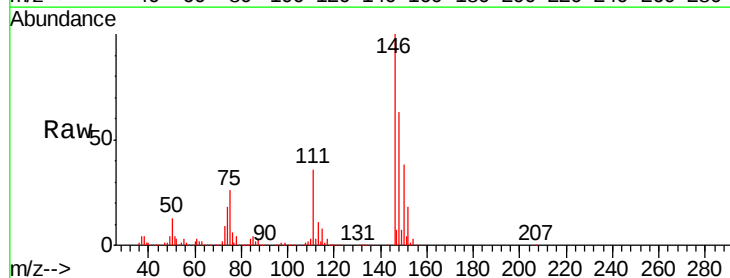
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBS01

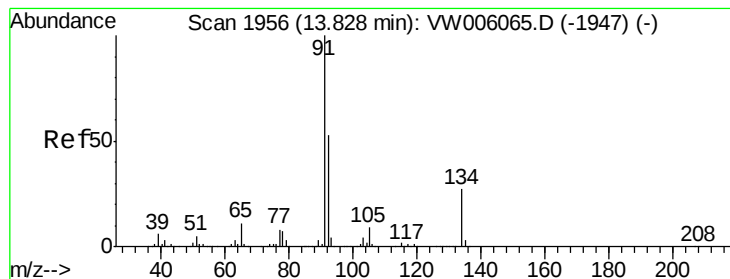
Tgt Ion:146 Resp: 144651
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.1 57.5
 148 63.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 23.59 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion:146 Resp: 144583
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 56.0
 148 64.2 32.1 96.5





#89

n-Butylbenzene

Concen: 22.62 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

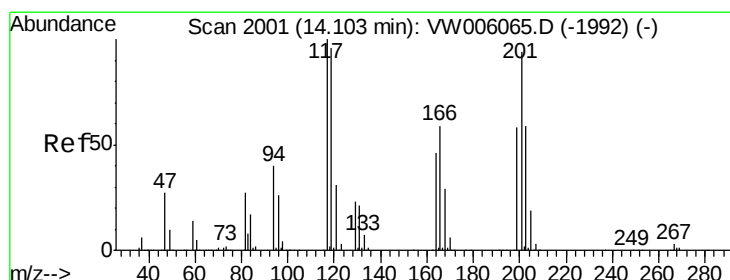
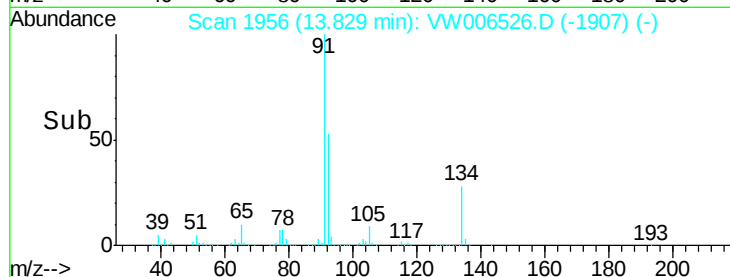
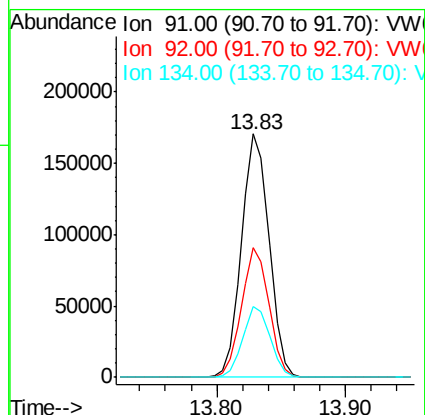
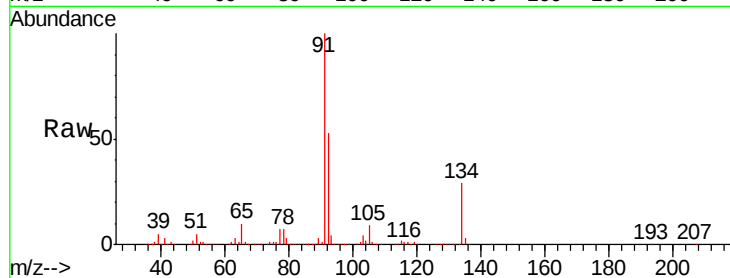
Tgt Ion: 91 Resp: 251747

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.7

134 28.9 14.0 41.9



#90

Hexachloroethane

Concen: 21.23 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006526.D

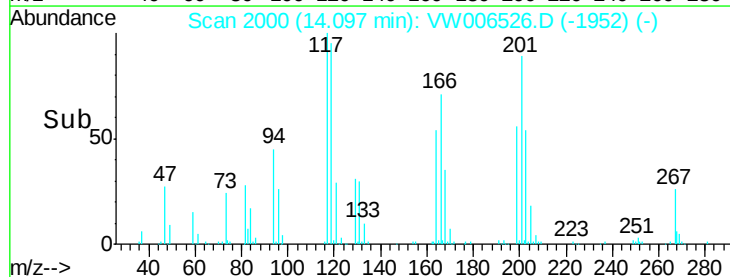
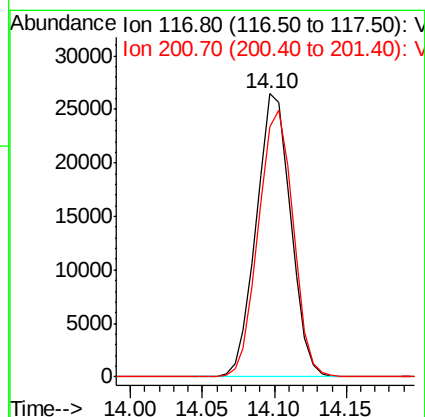
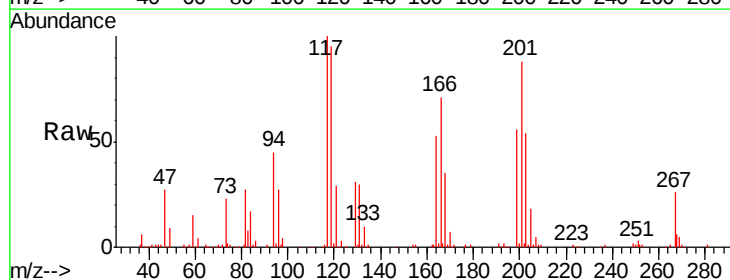
Acq: 31 Oct 2018 15:18

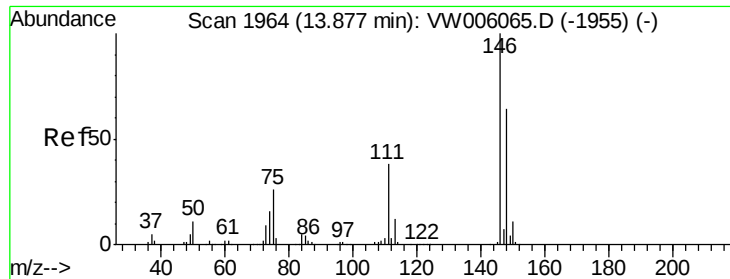
Tgt Ion: 117 Resp: 43777

Ion Ratio Lower Upper

117 100

201 94.8 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 23.67 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

Instrument :

MSVOA_W

ClientSampleId :

VW1101SBSD01

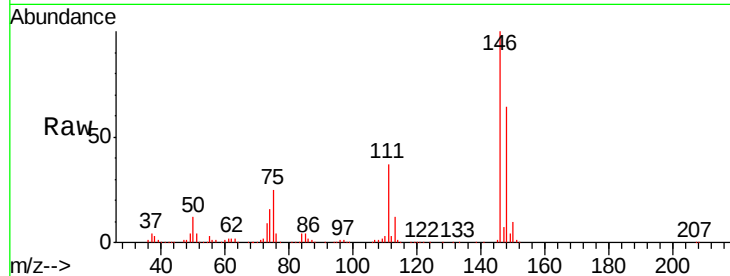
Tgt Ion:146 Resp: 129959

Ion Ratio Lower Upper

146 100

111 37.8 19.6 58.7

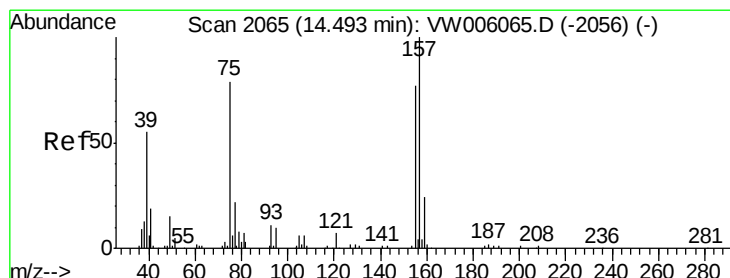
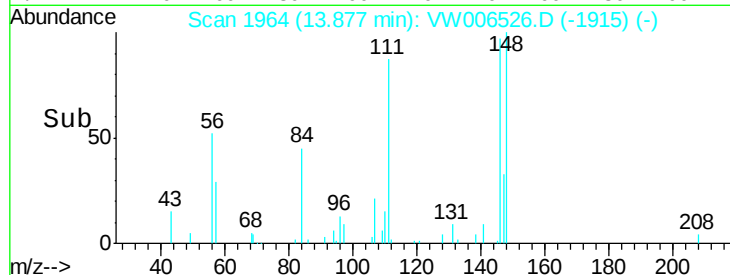
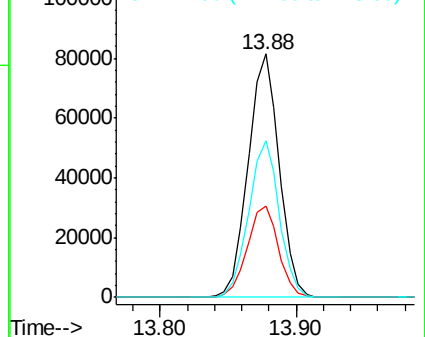
148 63.6 32.2 96.6



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: 19.20 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006526.D

Acq: 31 Oct 2018 15:18

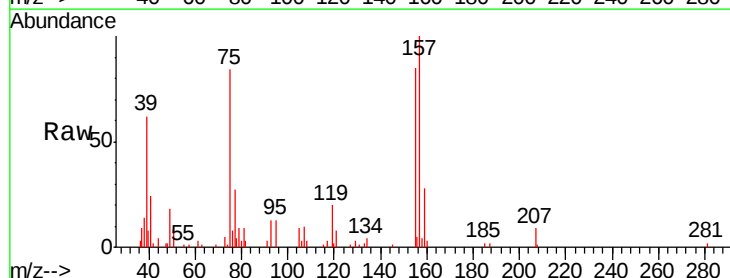
Tgt Ion: 75 Resp: 6602

Ion Ratio Lower Upper

75 100

155 104.4 46.5 139.5

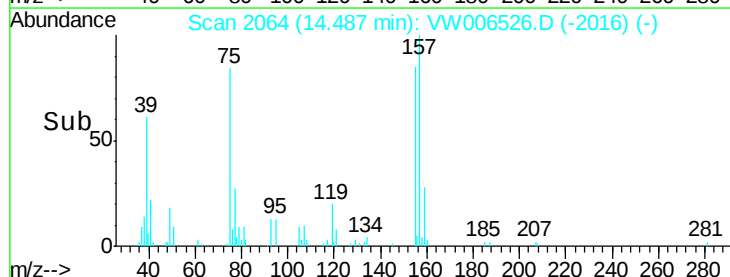
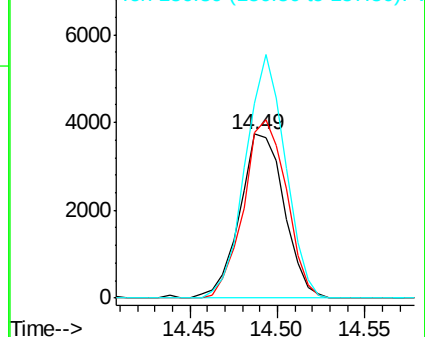
157 133.3 59.8 179.4

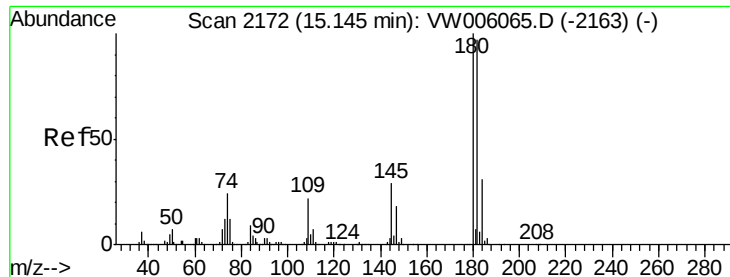


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

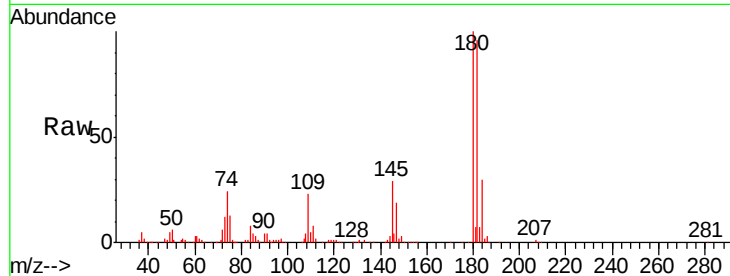




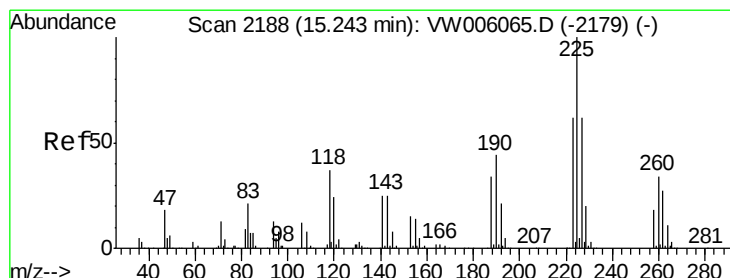
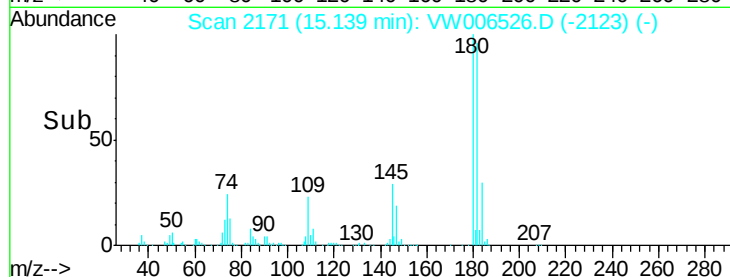
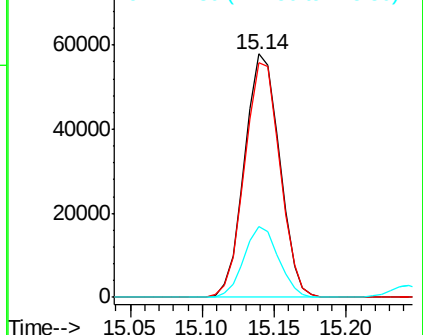
#93
 1,2,4-Trichlorobenzene
 Concen: 23.12 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1101SBSD01

Tgt Ion:180 Resp: 97668
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.9 143.6
 145 28.7 14.2 42.8

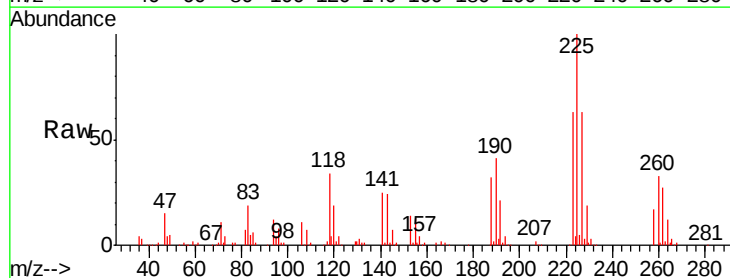


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

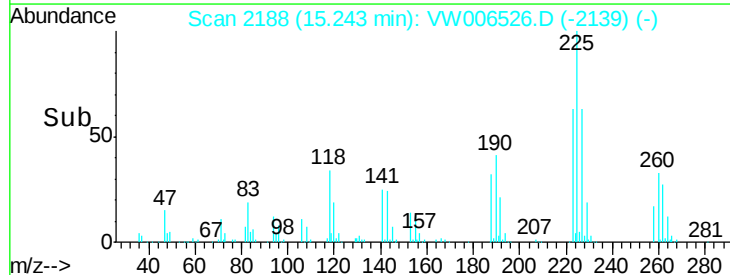
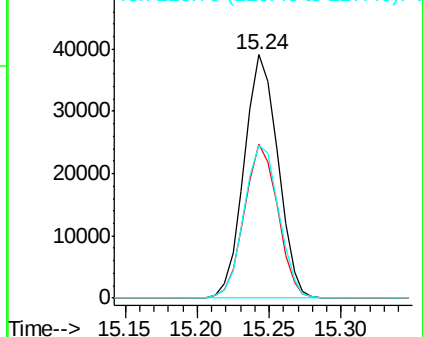


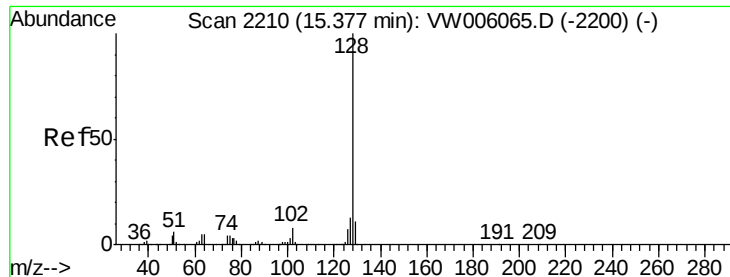
#94
 Hexachlorobutadiene
 Concen: 23.93 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006526.D
 Acq: 31 Oct 2018 15:18

Tgt Ion:225 Resp: 63504
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.5
 227 64.7 32.4 97.0



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

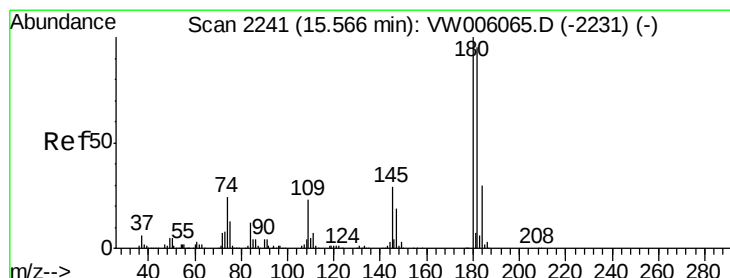
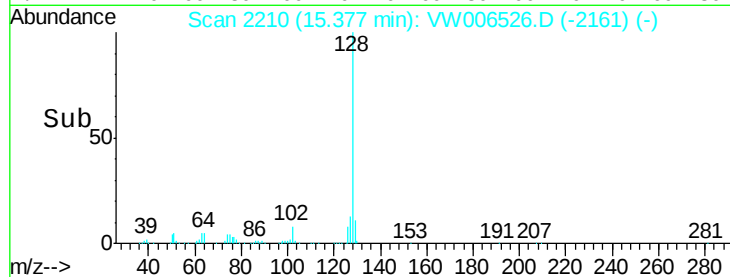
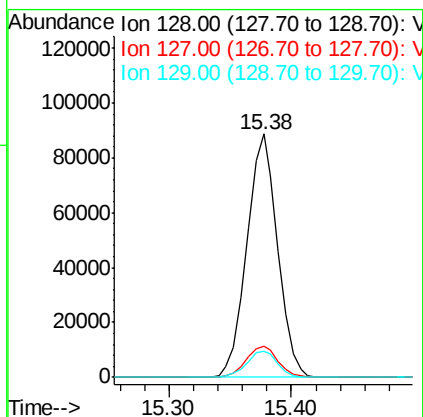
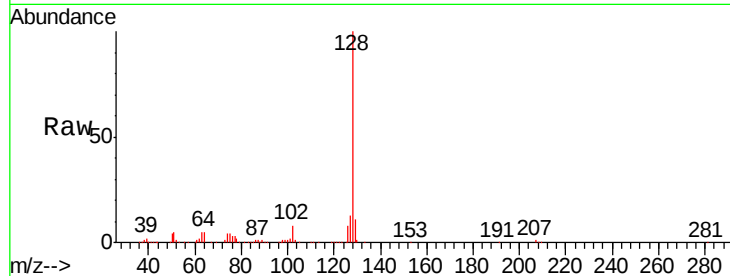




#95
Naphthalene
Concen: 21.97 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Instrument :
MSVOA_W
ClientSampleId :
VW1101SBSD01

Tgt Ion:128 Resp: 154431
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 23.36 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006526.D
Acq: 31 Oct 2018 15:18

Tgt Ion:180 Resp: 85352
Ion Ratio Lower Upper
180 100
182 95.9 47.8 143.3
145 29.8 15.0 45.1

