

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006351.D
 Acq On : 25 Oct 2018 07:30
 Operator : SY/AP
 Sample : J5626-03MSD
 Misc : 4.42G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Quant Time: Oct 25 08:02:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	160513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	251168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	159537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	43762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	93309	70.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.24%	
35) Dibromofluoromethane	7.88	113	91729	61.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.62%	
50) Toluene-d8	10.32	98	248398	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	
62) 4-Bromofluorobenzene	12.62	95	61279	28.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	51862	65.292	ug/l	99
3) Chloromethane	2.21	50	75827	74.161	ug/l	100
4) Vinyl Chloride	2.37	62	106112	72.671	ug/l	100
5) Bromomethane	2.78	94	93580	70.462	ug/l	99
6) Chloroethane	2.93	64	75959	72.590	ug/l	97
7) Trichlorofluoromethane	3.26	101	80317	59.046	ug/l	97
8) Diethyl Ether	3.68	74	64738	89.551	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	72416	50.800	ug/l	97
10) Methyl Iodide	4.26	142	174343	73.480	ug/l	99
11) Tert butyl alcohol	5.23	59	30854	344.744	ug/l	99
12) 1,1-Dichloroethene	4.03	96	87670	65.370	ug/l	94
13) Acrolein	3.90	56	15699	181.279	ug/l	93
14) Allyl chloride	4.67	41	129380	67.469	ug/l	99
15) Acrylonitrile	5.38	53	110110	424.654	ug/l	99
16) Acetone	4.14	43	106018	435.651	ug/l	98
17) Carbon Disulfide	4.37	76	209310	51.712	ug/l	100
18) Methyl Acetate	4.68	43	80989	120.936	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	177090	86.695	ug/l	97
20) Methylene Chloride	4.91	84	117359	84.469	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	102774	68.655	ug/l	98
22) Diisopropyl ether	6.31	45	300238	79.229	ug/l	95
23) Vinyl Acetate	6.32	43	165729	74.106	ug/l #	72
24) 1,1-Dichloroethane	6.21	63	182996	74.838	ug/l	99
25) 2-Butanone	7.18	43	142816	397.265	ug/l	99
26) 2,2-Dichloropropane	7.17	77	91874	53.273	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	118942	72.001	ug/l	96
28) Bromochloromethane	7.51	49	73738	78.113	ug/l	91
29) Tetrahydrofuran	7.54	42	89891	406.792	ug/l	96
30) Chloroform	7.68	83	192363	72.206	ug/l	99
31) Cyclohexane	7.95	56	76233	31.306	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	143562	59.739	ug/l	99
36) 1,1-Dichloropropene	8.09	75	110335	47.659	ug/l	99
37) Ethyl Acetate	7.26	43	43980	51.131	ug/l	99
38) Carbon Tetrachloride	8.07	117	119491	47.083	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	60493	19.657	ug/l	100
40) Benzene	8.32	78	389535	61.340	ug/l	99
41) Methacrylonitrile	7.49	41	36807	70.984	ug/l	93
42) 1,2-Dichloroethane	8.40	62	133164	71.373	ug/l	100
43) Isopropyl Acetate	8.43	43	88394	50.262	ug/l	94
44) Trichloroethene	9.09	130	97896	50.247	ug/l	99
45) 1,2-Dichloropropane	9.37	63	94997	62.514	ug/l	98
46) Dibromomethane	9.46	93	57691	66.610	ug/l	98
47) Bromodichloromethane	9.65	83	122673	58.420	ug/l	99
48) Methyl methacrylate	9.44	41	72150	86.549	ug/l	99
49) 1,4-Dioxane	9.48	88	18200	1364.996	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	313320	355.577	ug/l	98
52) Toluene	10.39	92	201339	47.291	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	112182	53.622	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	135756	56.539	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	77715	64.120	ug/l	98
56) Ethyl methacrylate	10.65	69	82356	55.427	ug/l	96
57) 1,3-Dichloropropane	10.93	76	124929	62.266	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	171154	301.458	ug/l	98
59) 2-Hexanone	10.97	43	207708	330.217	ug/l	96
60) Dibromochloromethane	11.13	129	80370	53.236	ug/l	99
61) 1,2-Dibromoethane	11.24	107	72657	59.996	ug/l	100
64) Tetrachloroethene	10.87	164	66630	53.799	ug/l	98
65) Chlorobenzene	11.66	112	194990	57.094	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	81653	67.276	ug/l	98
67) Ethyl Benzene	11.73	91	289433	48.902	ug/l	97
68) m/p-Xylenes	11.84	106	216438	92.520	ug/l	99
69) o-Xylene	12.17	106	108084	48.479	ug/l	100
70) Styrene	12.18	104	180083	49.672	ug/l	99
71) Bromoform	12.35	173	43409	64.123	ug/l #	98
73) Isopropylbenzene	12.47	105	225201	72.842	ug/l	100
74) N-amyl acetate	12.28	43	3726	6.205	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	69440	147.674	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	87450	261.626	ug/l #	100
77) Bromobenzene	12.75	156	71096	93.887	ug/l	94
78) n-propylbenzene	12.81	91	216932	60.311	ug/l	100
79) 2-Chlorotoluene	12.90	91	140534	69.539	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	156103	59.894	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	18354	131.257	ug/l	95
82) 4-Chlorotoluene	12.99	91	141906	67.032	ug/l	100
83) tert-Butylbenzene	13.21	119	130521	55.972	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	156593	59.375	ug/l	100
85) sec-Butylbenzene	13.39	105	146961	44.610	ug/l	98
86) p-Isopropyltoluene	13.51	119	126811	42.558	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	83291	55.268	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	84065	56.024	ug/l	100
89) n-Butylbenzene	13.83	91	92012	33.765	ug/l	99
90) Hexachloroethane	14.10	117	19506	38.647	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	78862	58.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9063	107.650	ug/l	91

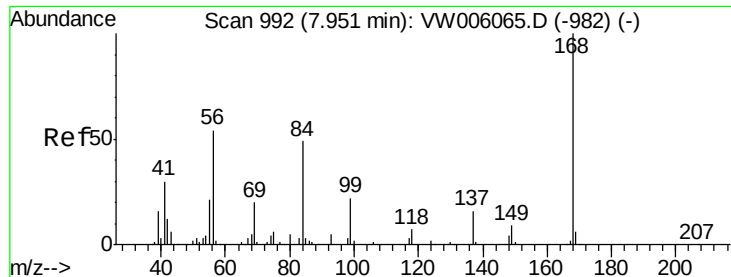
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102518\
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	28984	28.021	ug/l	98
94) Hexachlorobutadiene	15.24	225	12791	19.686	ug/l	99
95) Naphthalene	15.38	128	85032	49.419	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	21571	24.111	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampled :

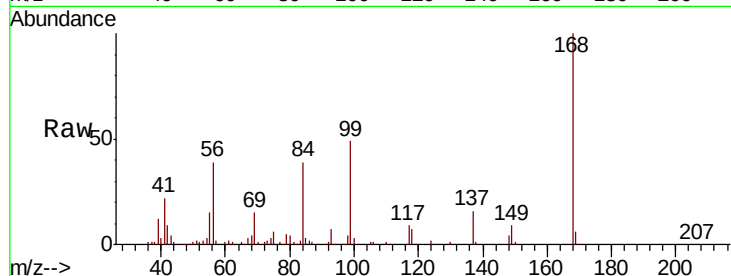
PA-SB-01BMSD

Tot Ion:168 Resp: 160513

Ion Ratio Lower Upper

168 100

99 48.6 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

80000

60000

40000

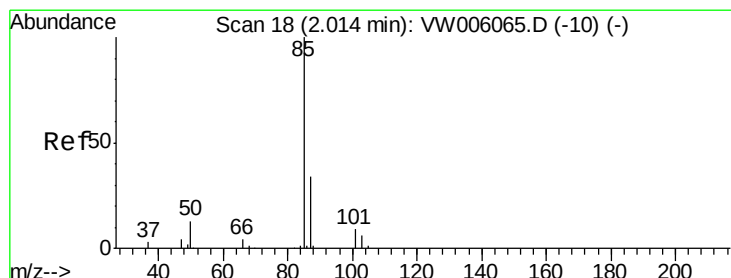
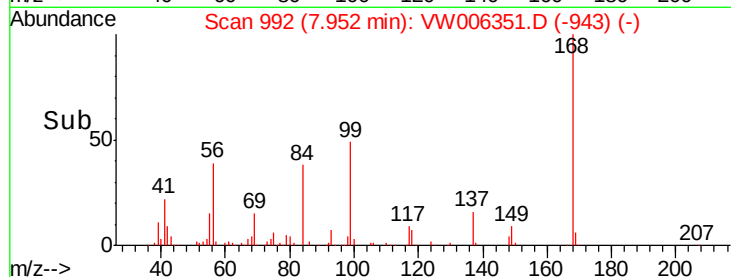
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 65.292 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006351.D

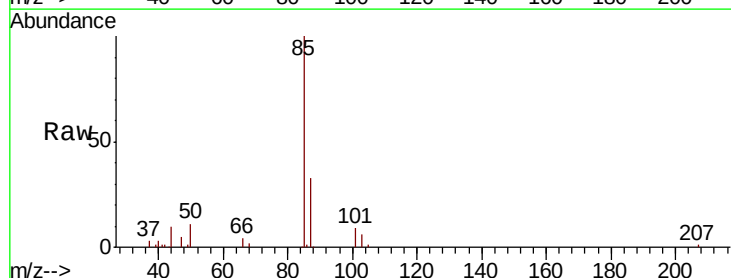
Acq: 25 Oct 2018 07:30

Tgt Ion: 85 Resp: 51862

Ion Ratio Lower Upper

85 100

87 33.3 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

15000

10000

5000

0

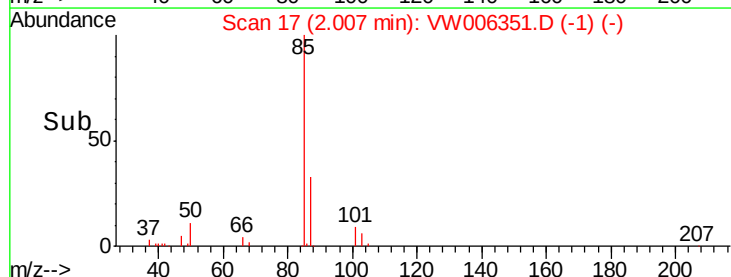
1.90

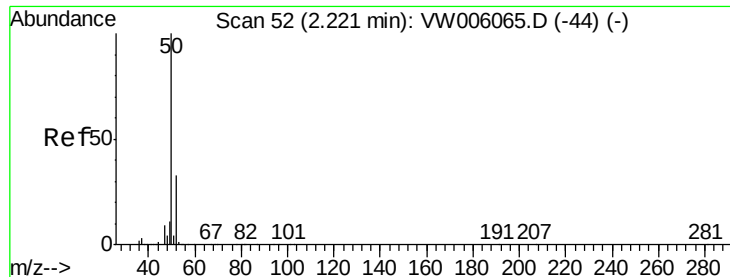
2.00

2.10

2.20

Time-->

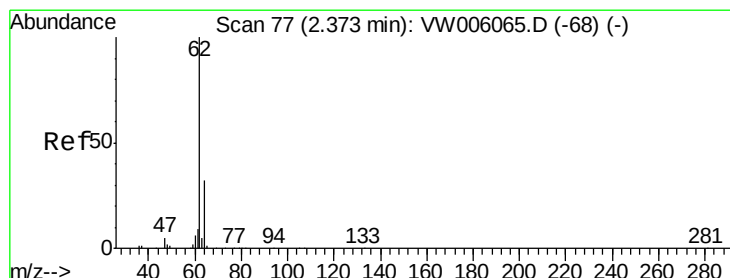
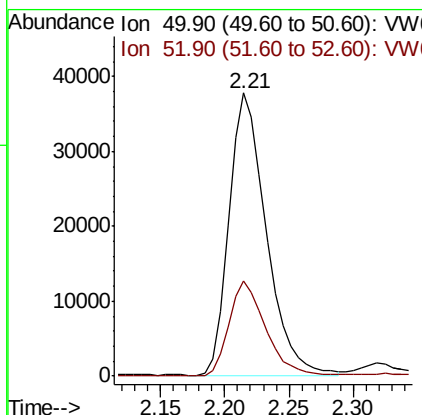
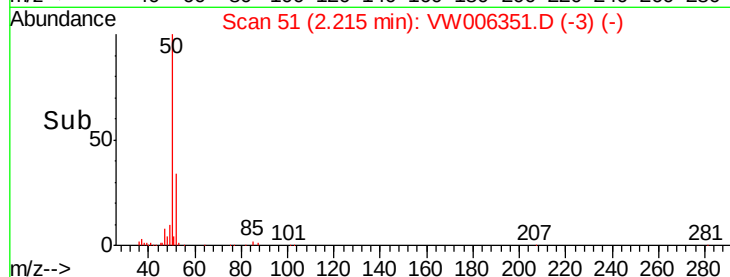
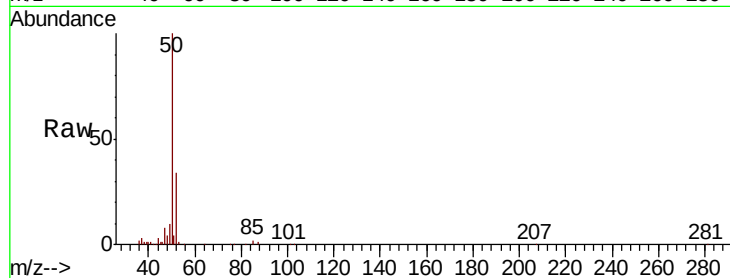




#3
Chloromethane
Concen: 74.161 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

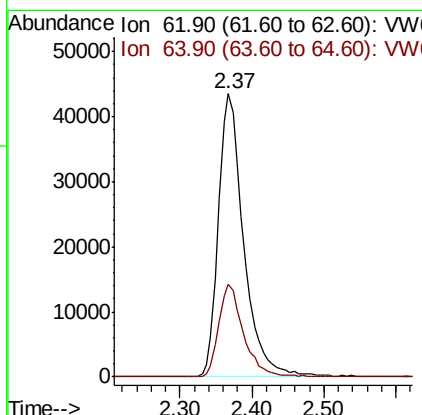
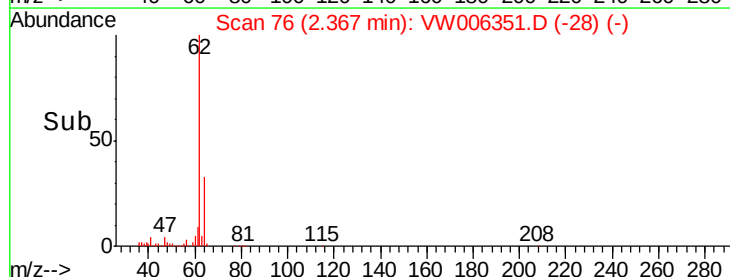
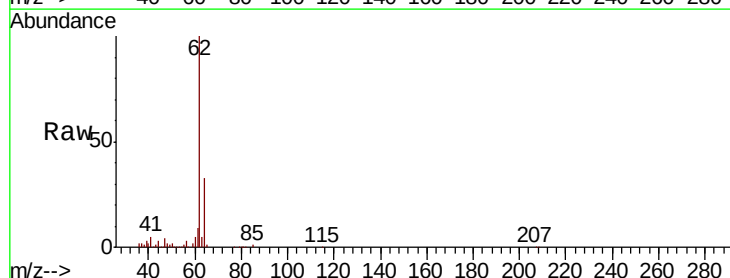
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

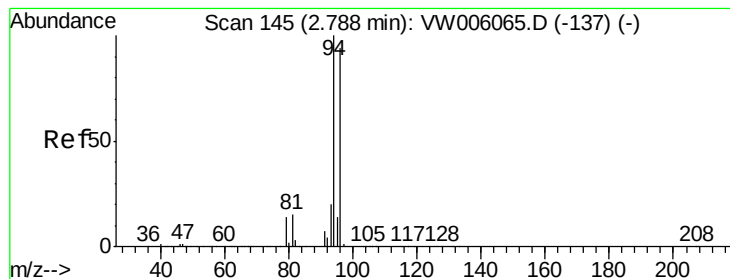
Tot Ion: 50 Resp: 75827
Ion Ratio Lower Upper
50 100
52 33.8 26.8 40.2



#4
Vinyl Chloride
Concen: 72.671 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 62 Resp: 106112
Ion Ratio Lower Upper
62 100
64 32.6 25.9 38.9





#5

Bromomethane

Concen: 70.462 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

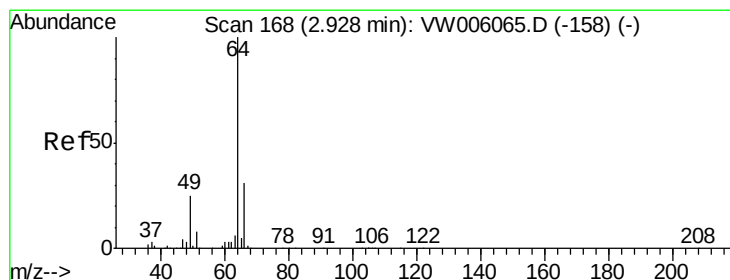
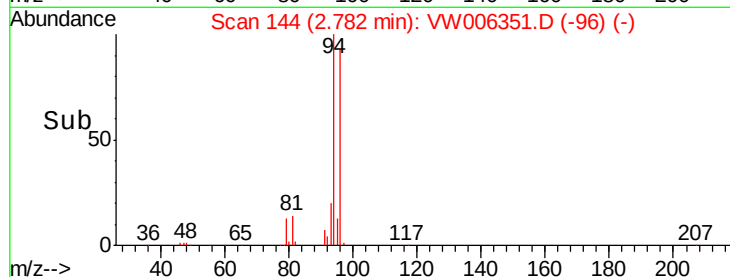
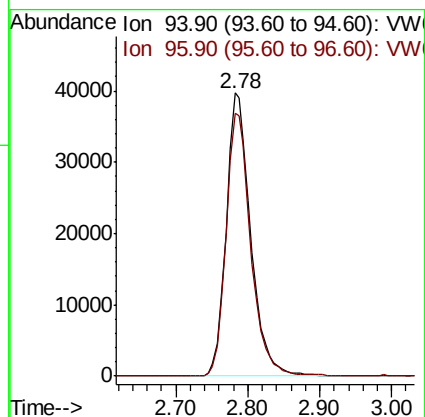
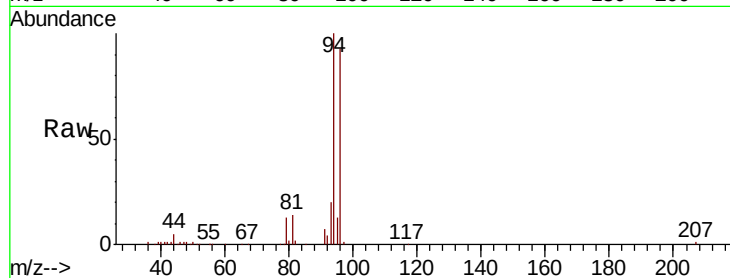
PA-SB-01BMSD

Tot Ion: 94 Resp: 93580

Ion Ratio Lower Upper

94 100

96 92.9 74.9 112.3



#6

Chloroethane

Concen: 72.590 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006351.D

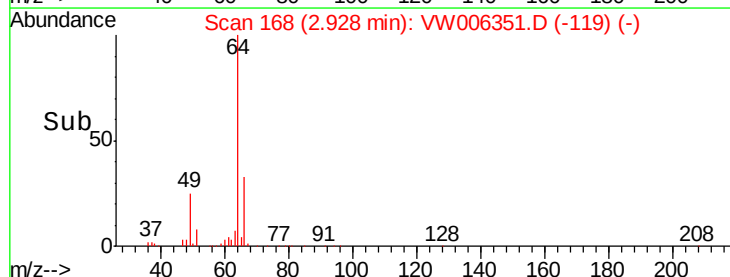
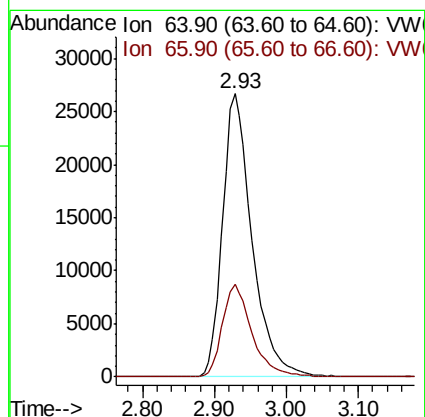
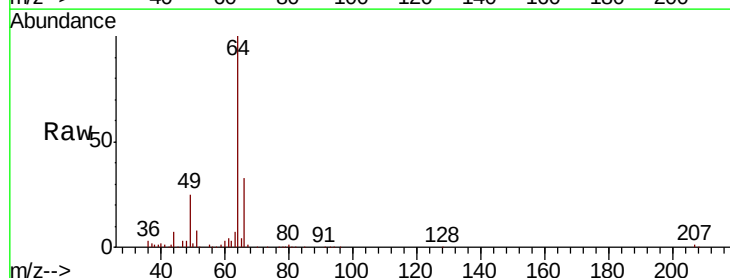
Acq: 25 Oct 2018 07:30

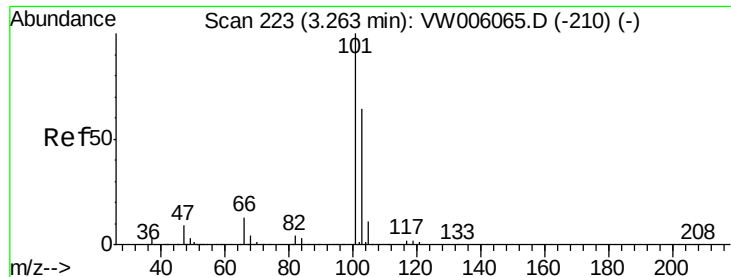
Tgt Ion: 64 Resp: 75959

Ion Ratio Lower Upper

64 100

66 32.6 24.9 37.3





#7

Trichlorofluoromethane

Concen: 59.046 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

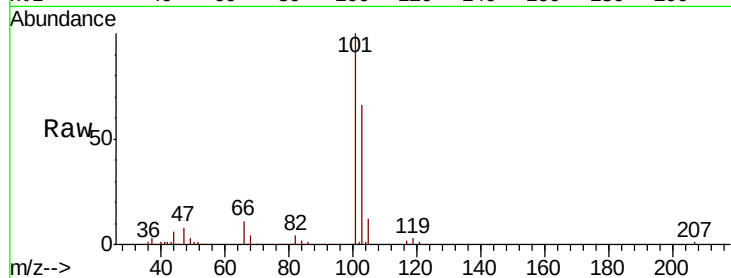
PA-SB-01BMSD

Tot Ion:101 Resp: 80317

Ion Ratio Lower Upper

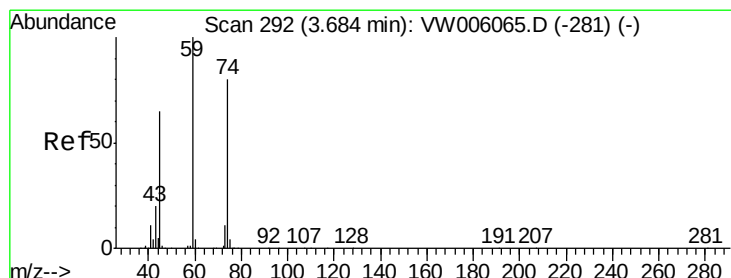
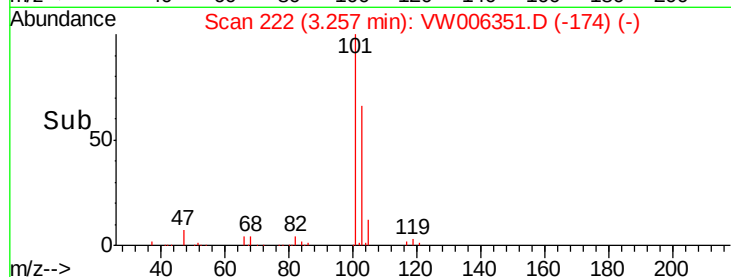
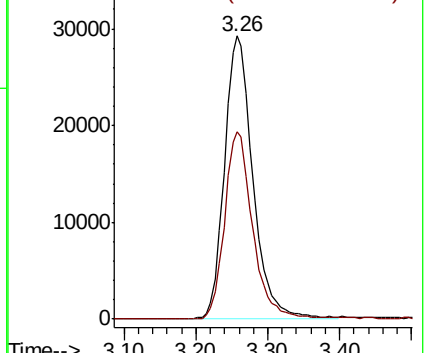
101 100

103 66.4 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 89.551 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006351.D

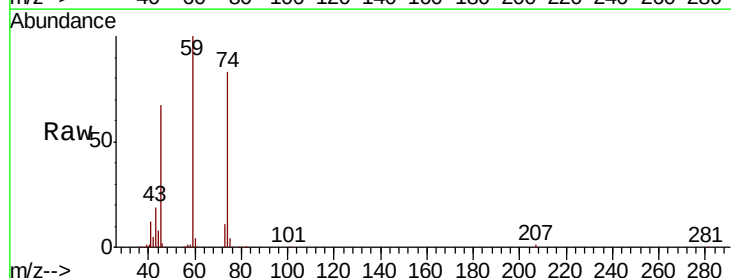
Acq: 25 Oct 2018 07:30

Tgt Ion: 74 Resp: 64738

Ion Ratio Lower Upper

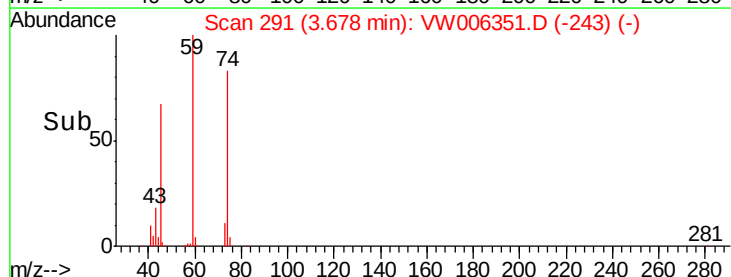
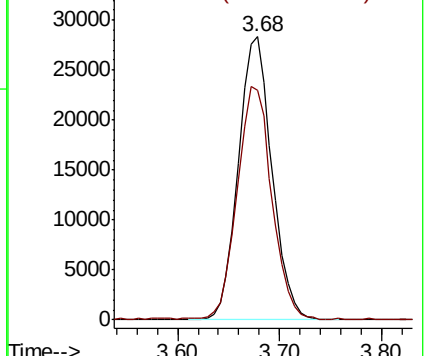
74 100

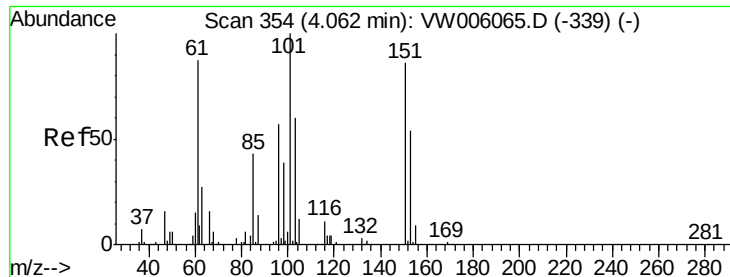
45 84.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.800 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

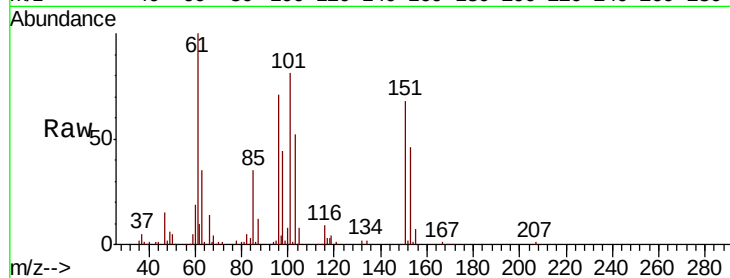
Tot Ion:101 Resp: 72416

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

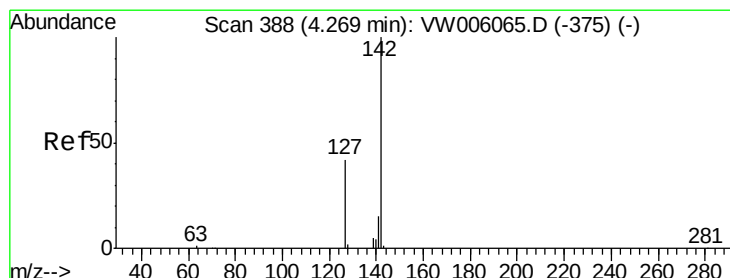
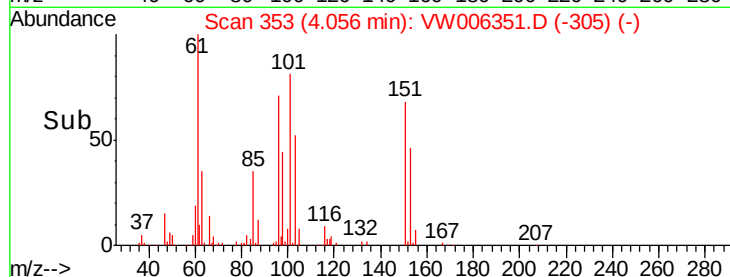
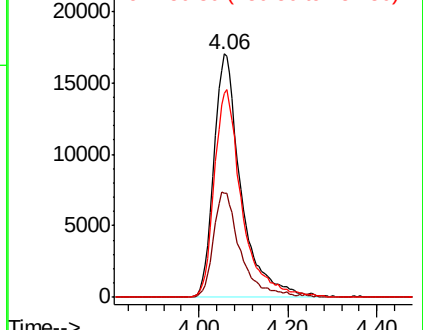
151 84.9 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 73.480 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

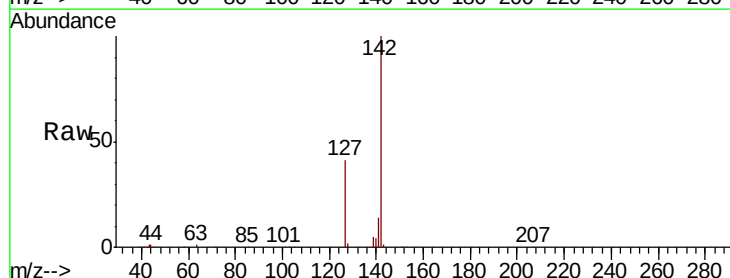
Tgt Ion:142 Resp: 174343

Ion Ratio Lower Upper

142 100

127 41.5 33.6 50.4

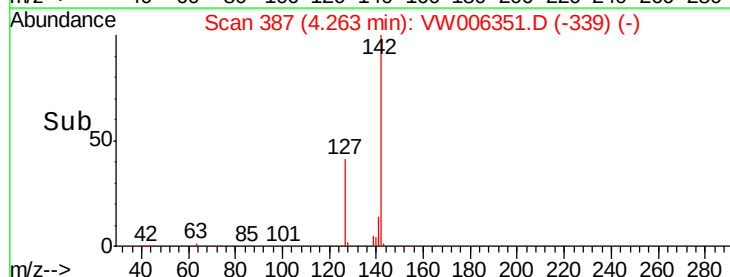
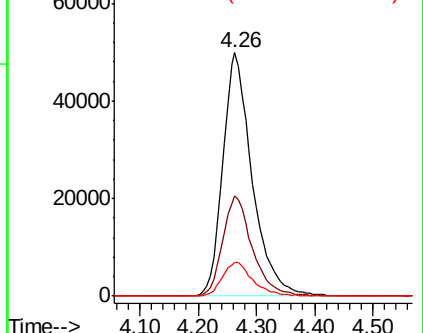
141 14.3 11.6 17.4

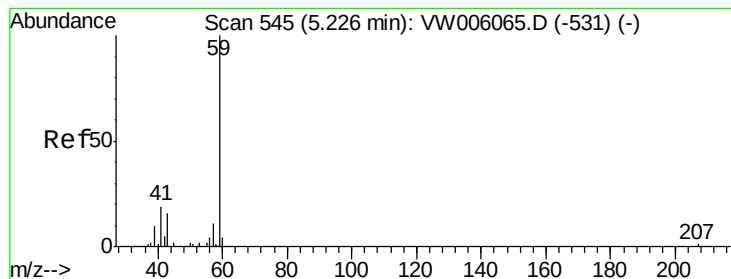


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



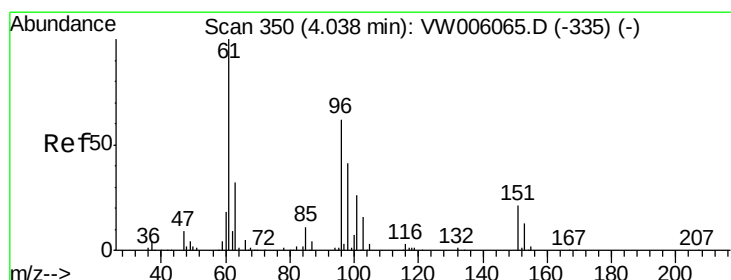
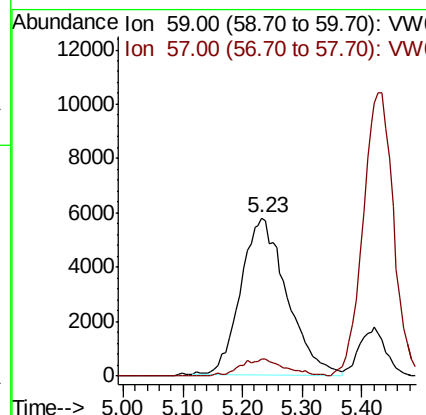
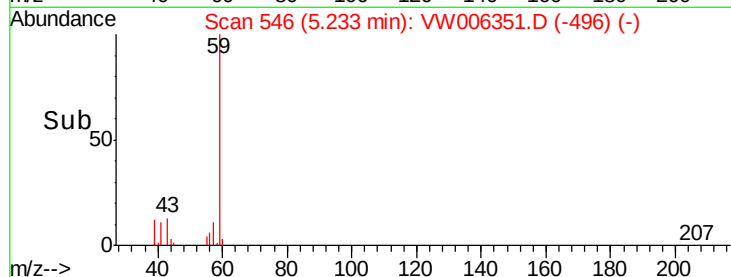
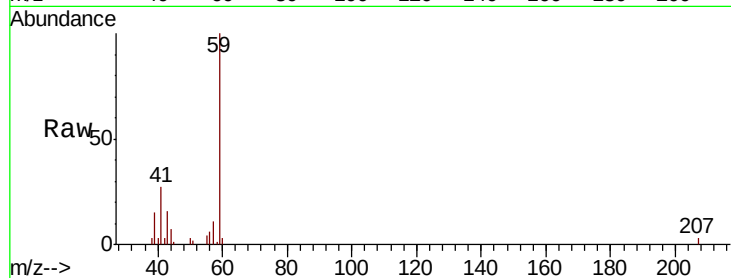


#11

Tert butyl alcohol
Concen: 344.744 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

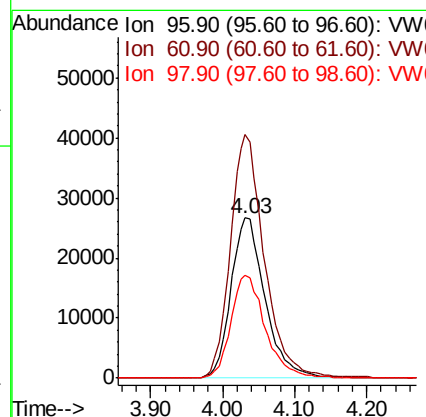
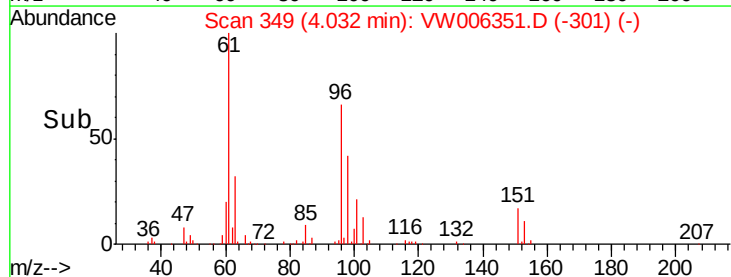
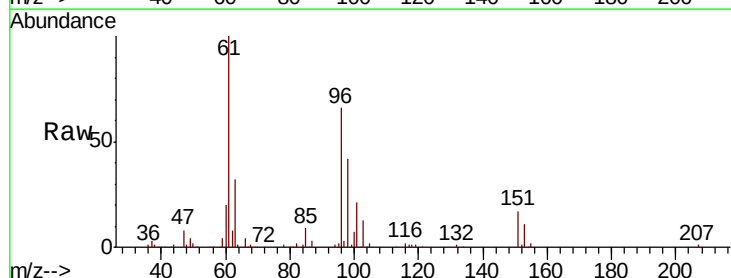
Tot Ion: 59 Resp: 30854
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

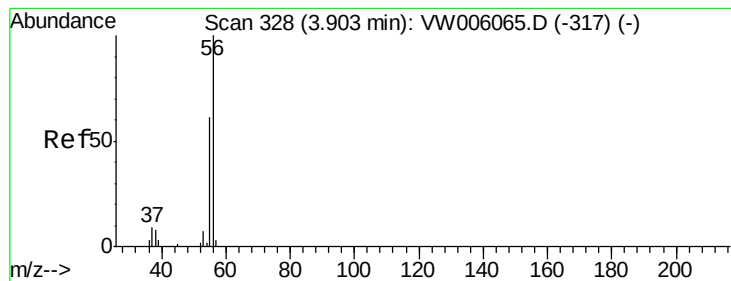


#12

1,1-Dichloroethene
Concen: 65.370 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 96 Resp: 87670
Ion Ratio Lower Upper
96 100
61 152.1 129.3 193.9
98 64.2 53.1 79.7





#13

Acrolein

Concen: 181.279 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

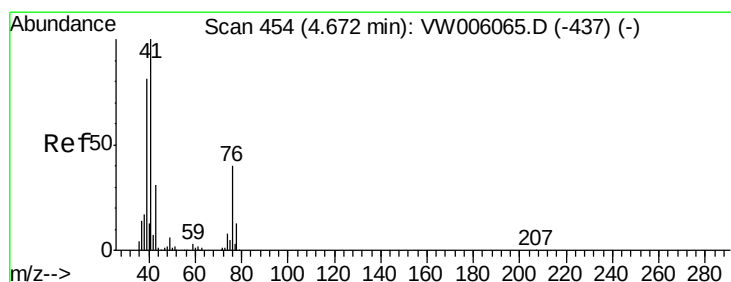
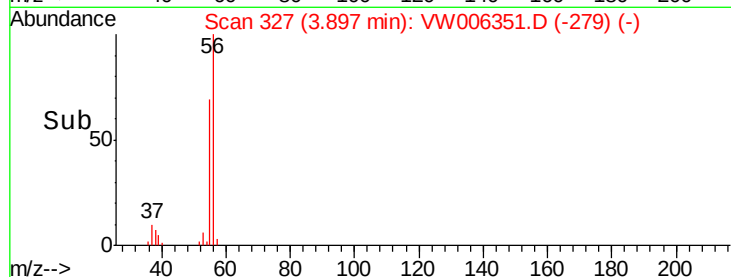
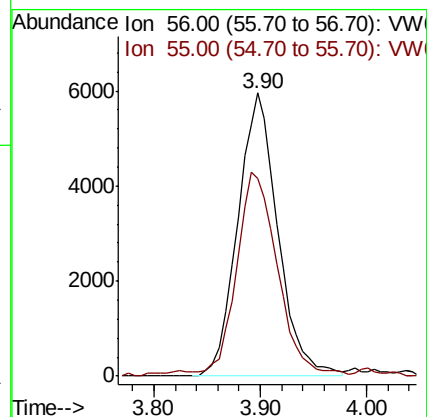
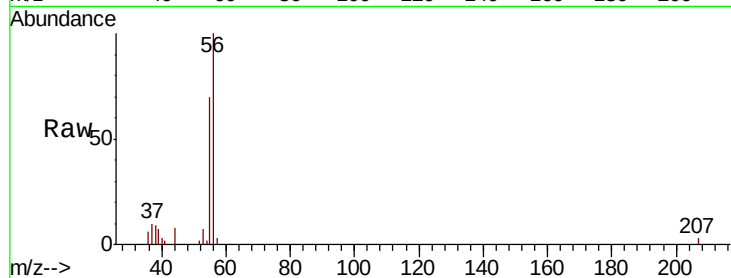
PA-SB-01BMSD

Tot Ion: 56 Resp: 15699

Ion Ratio Lower Upper

56 100

55 74.1 54.5 81.7



#14

Allyl chloride

Concen: 67.469 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

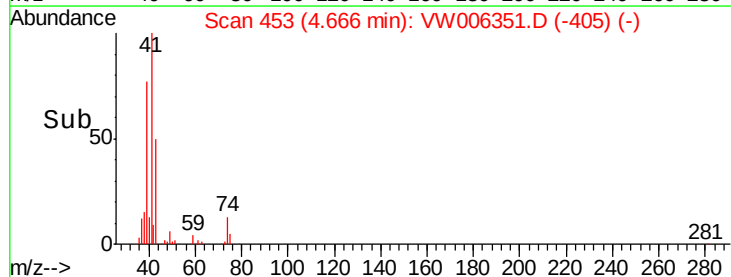
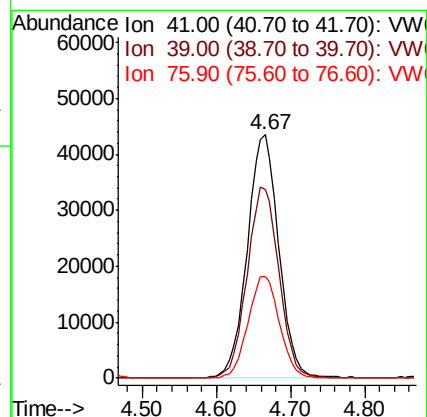
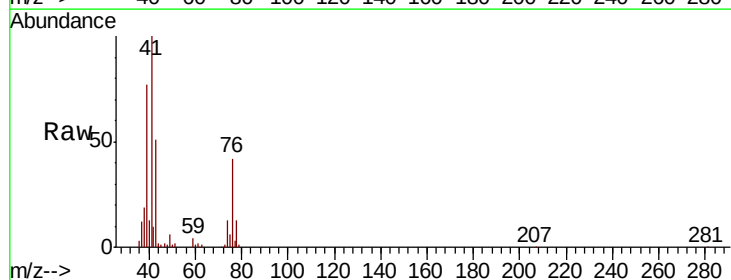
Tgt Ion: 41 Resp: 129380

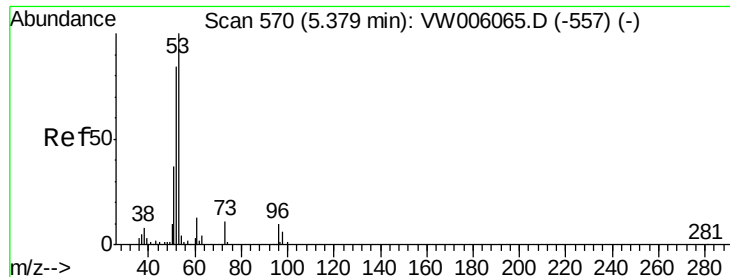
Ion Ratio Lower Upper

41 100

39 79.3 64.1 96.1

76 41.4 32.2 48.4





#15

Acrylonitrile

Concen: 424.654 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

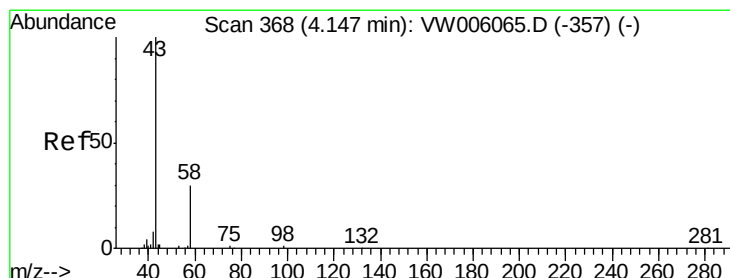
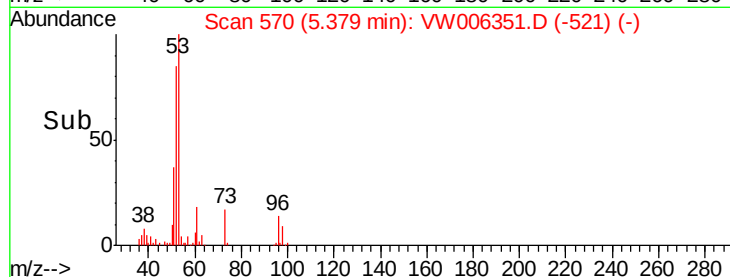
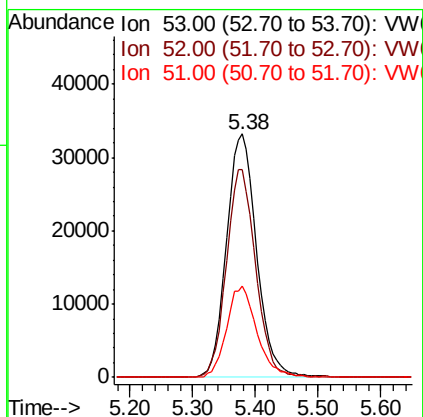
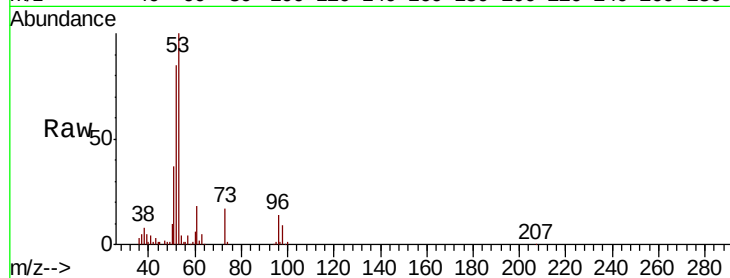
MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 53 Resp: 110110

Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.9	100.3
51	37.7	30.1	45.1



#16

Acetone

Concen: 435.651 ug/l

RT: 4.14 min Scan# 367

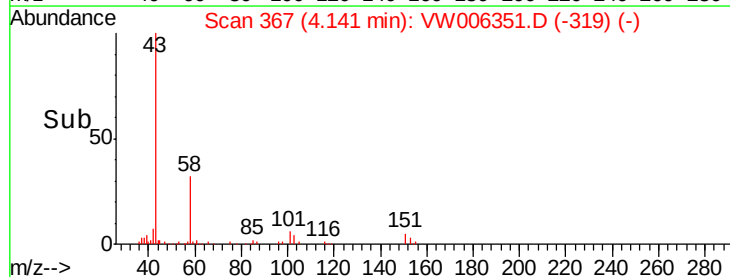
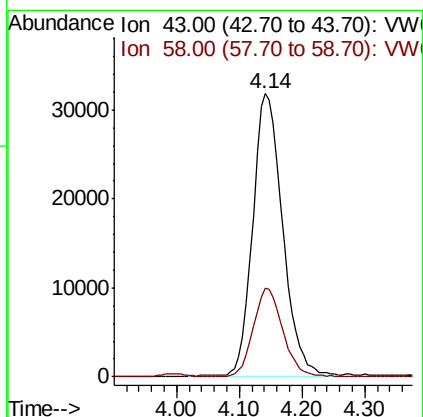
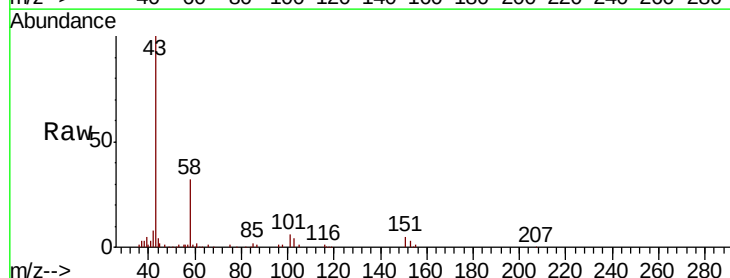
Delta R.T. -0.01 min

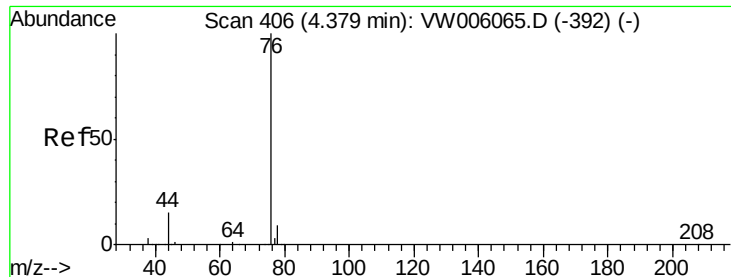
Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Tgt Ion: 43 Resp: 106018

Ion	Ratio	Lower	Upper
43	100		
58	31.3	24.0	36.0





#17

Carbon Disulfide

Concen: 51.712 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

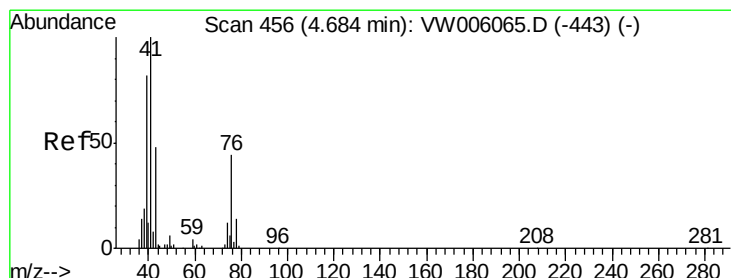
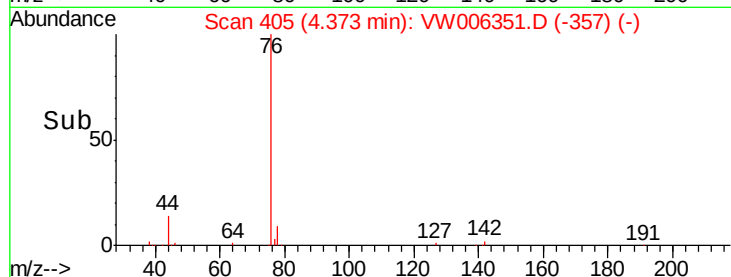
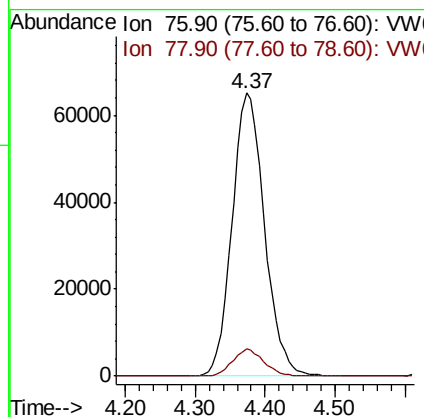
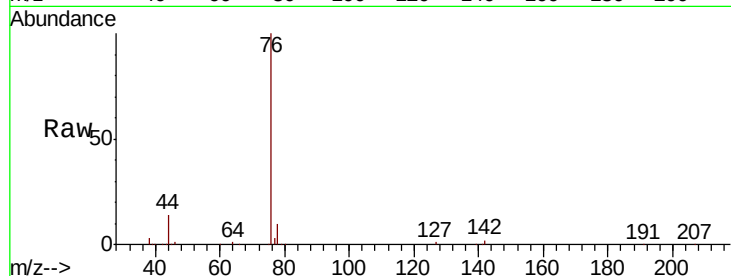
PA-SB-01BMSD

Tot Ion: 76 Resp: 209310

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



#18

Methyl Acetate

Concen: 120.936 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006351.D

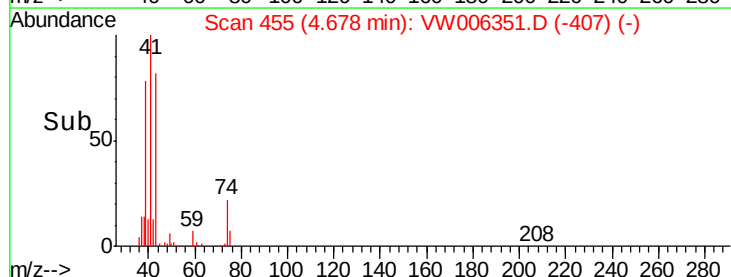
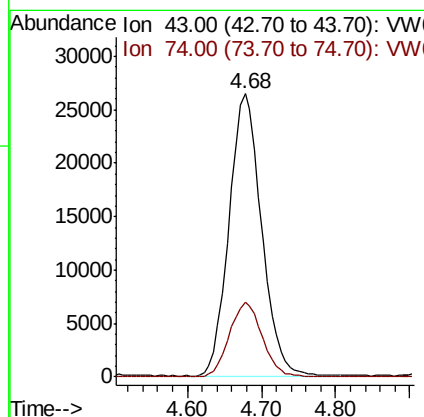
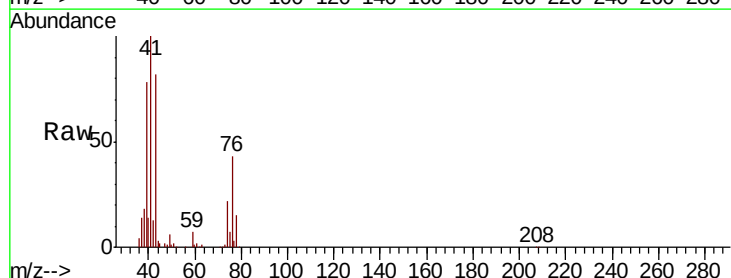
Acq: 25 Oct 2018 07:30

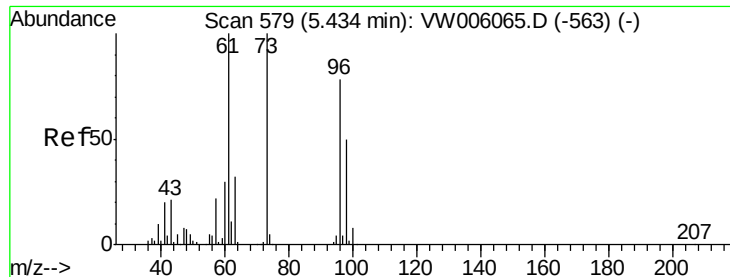
Tgt Ion: 43 Resp: 80989

Ion Ratio Lower Upper

43 100

74 26.7 20.5 30.7

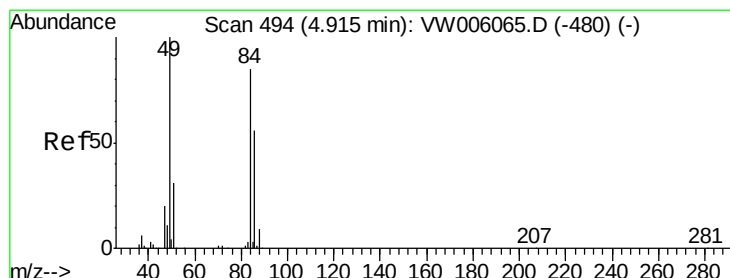
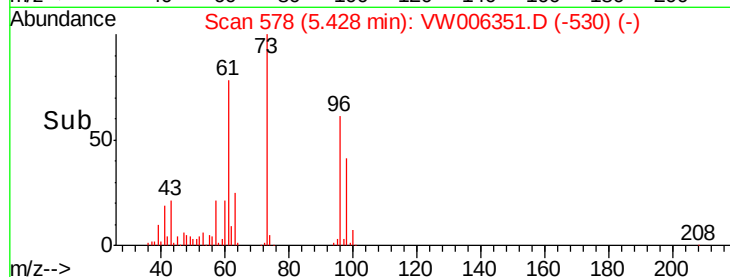
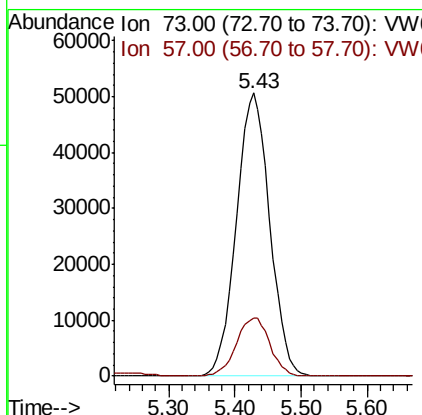
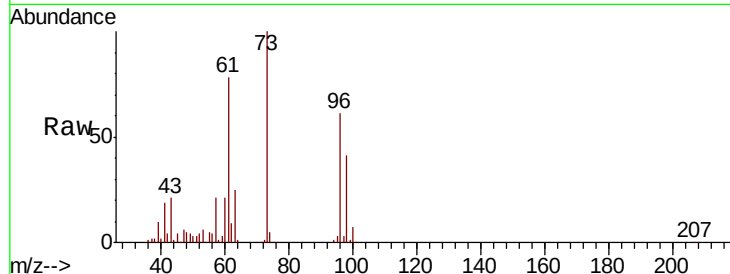




#19
Methyl tert-butyl Ether
Concen: 86.695 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

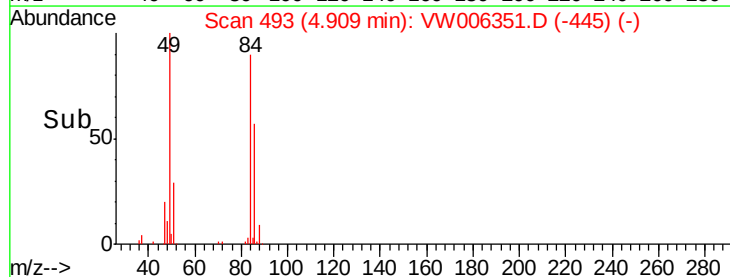
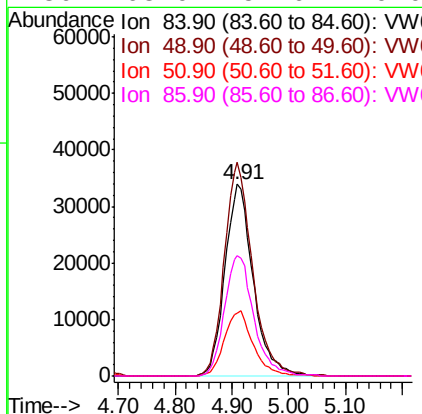
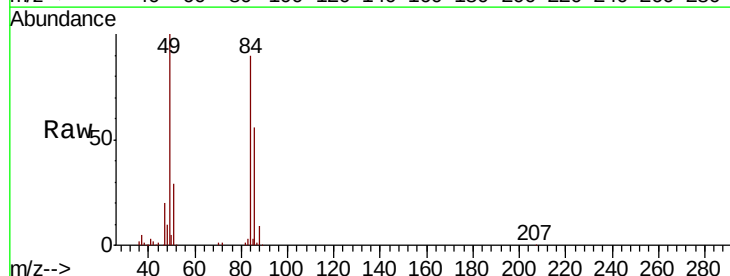
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

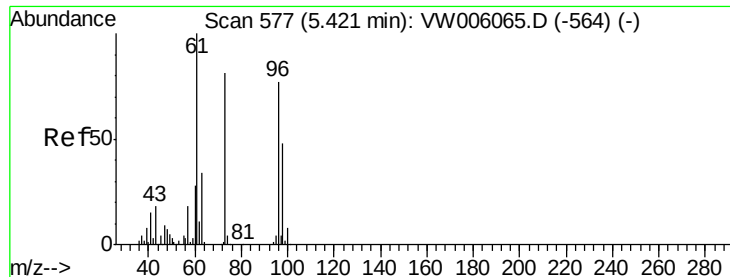
Tot Ion: 73 Resp: 177090
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.2



#20
Methylene Chloride
Concen: 84.469 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 84 Resp: 117359
Ion Ratio Lower Upper
84 100
49 111.5 93.6 140.4
51 32.6 29.0 43.4
86 63.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 68.655 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

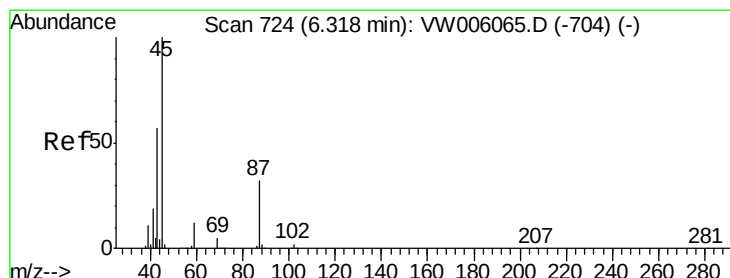
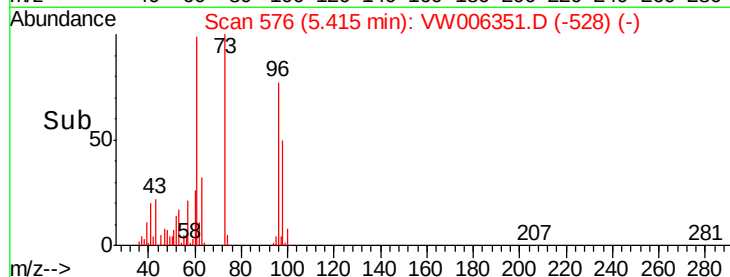
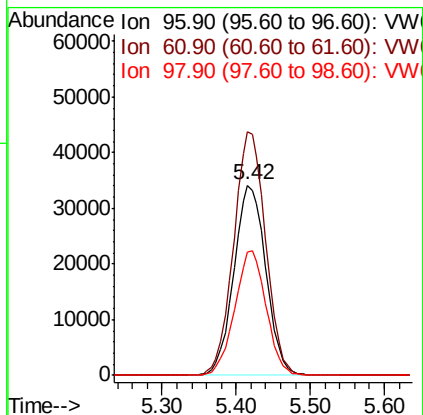
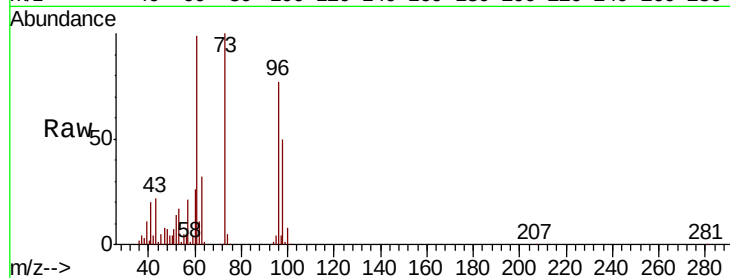
Tot Ion: 96 Resp: 102774

Ion Ratio Lower Upper

96 100

61 128.0 104.5 156.7

98 64.6 50.6 75.8



#22

Diisopropyl ether

Concen: 79.229 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Tgt Ion: 45 Resp: 300238

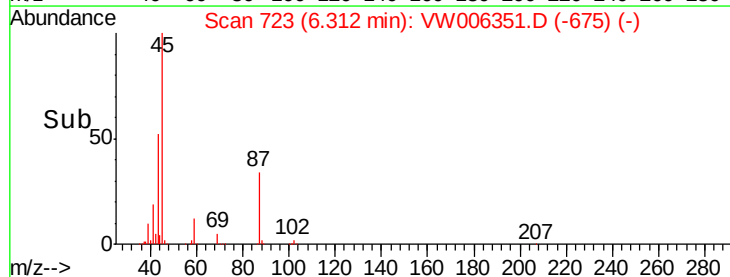
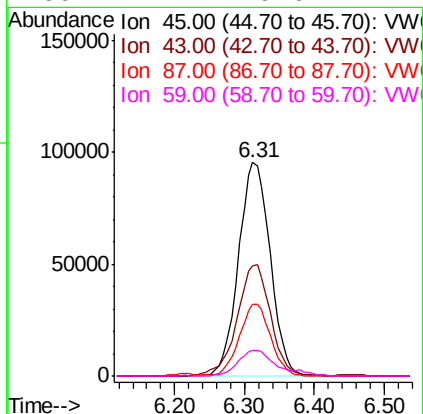
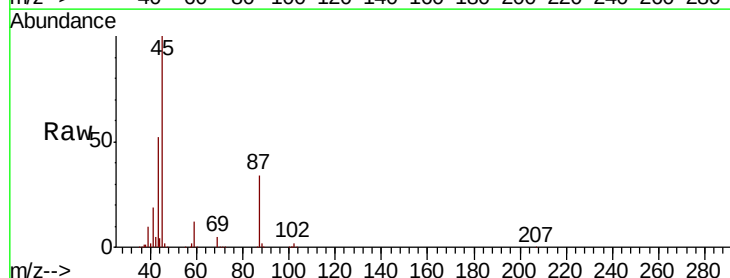
Ion Ratio Lower Upper

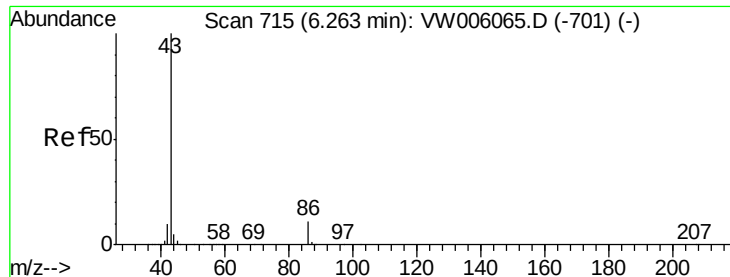
45 100

43 51.5 45.7 68.5

87 33.8 25.9 38.9

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 74.106 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.05 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampled :

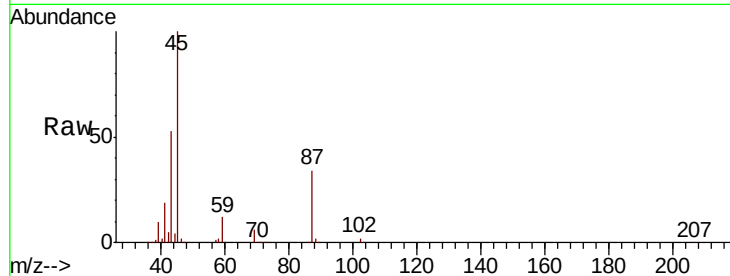
PA-SB-01BMSD

Tot Ion: 43 Resp: 165729

Ion Ratio Lower Upper

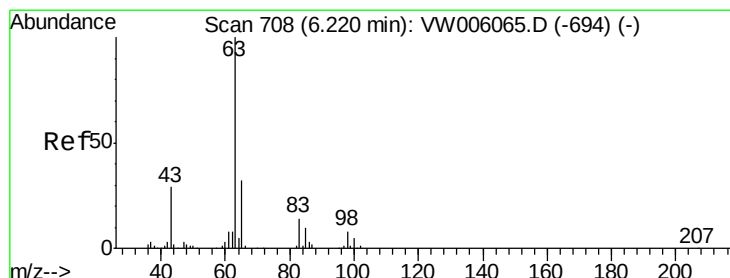
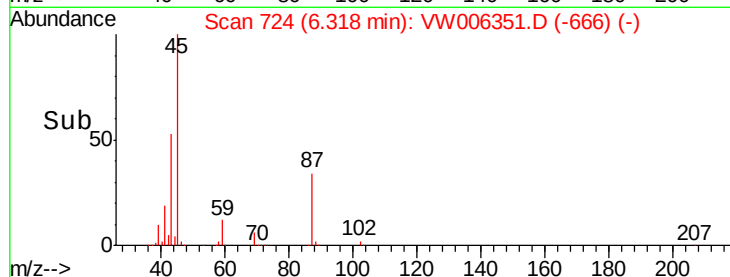
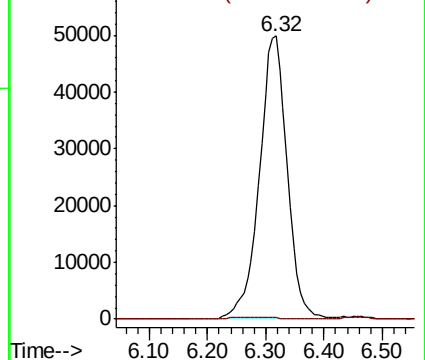
43 100

86 0.4 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 74.838 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

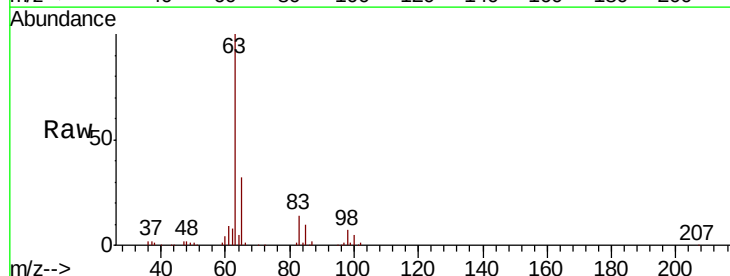
Tgt Ion: 63 Resp: 182996

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

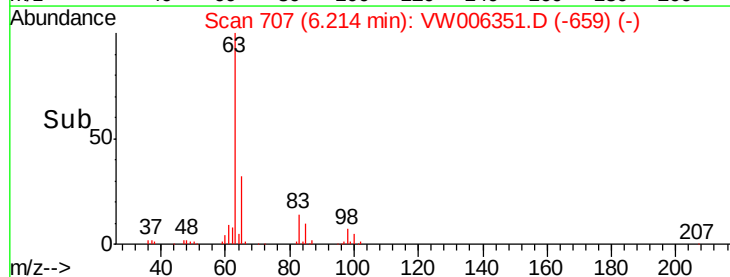
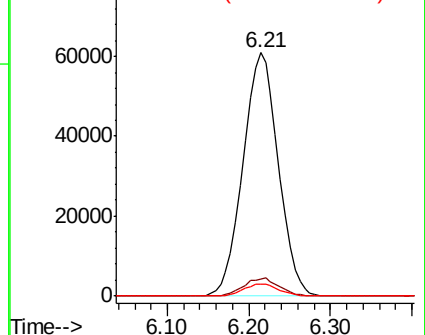
100 4.9 2.5 7.5

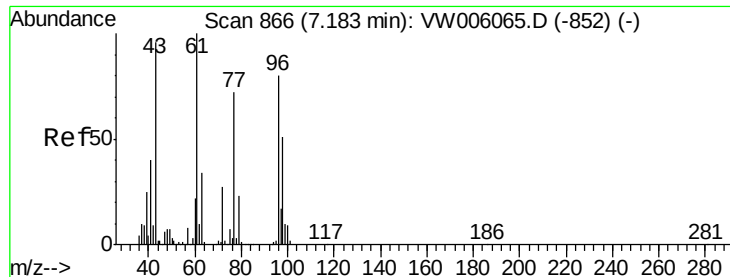


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 397.265 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

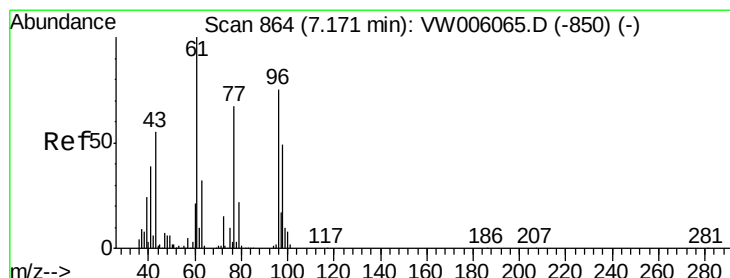
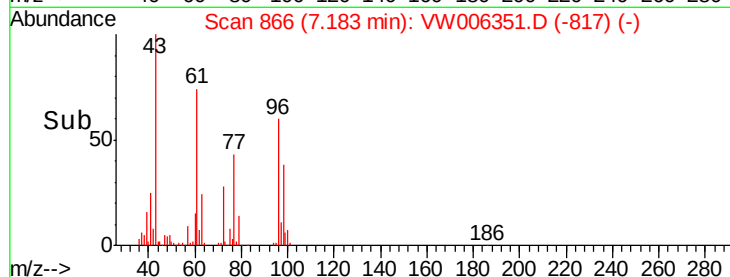
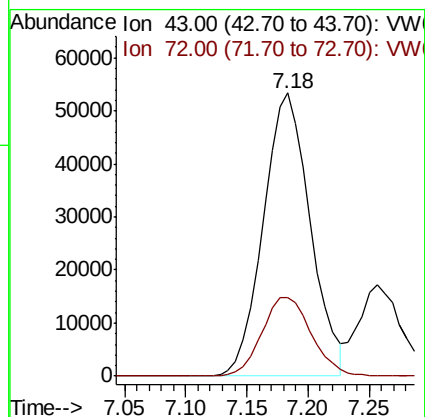
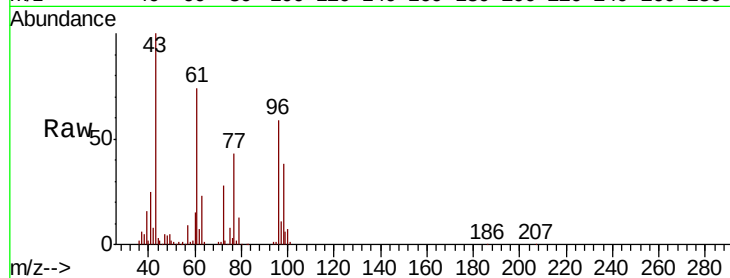
PA-SB-01BMSD

Tot Ion: 43 Resp: 142816

Ion Ratio Lower Upper

43 100

72 27.9 22.8 34.2



#26

2,2-Dichloropropane

Concen: 53.273 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006351.D

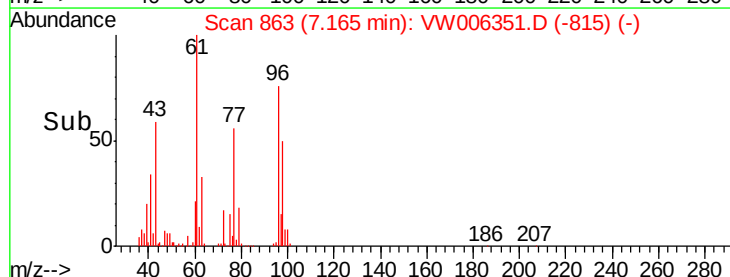
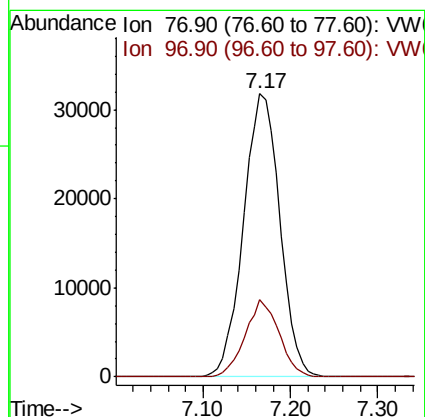
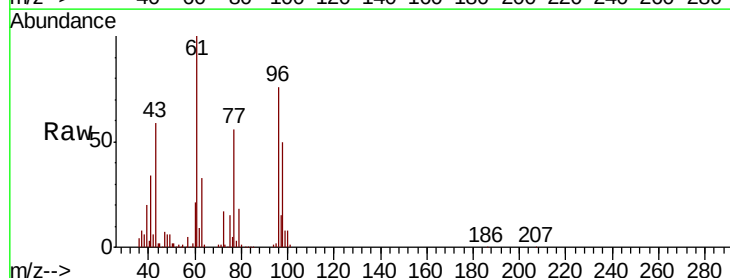
Acq: 25 Oct 2018 07:30

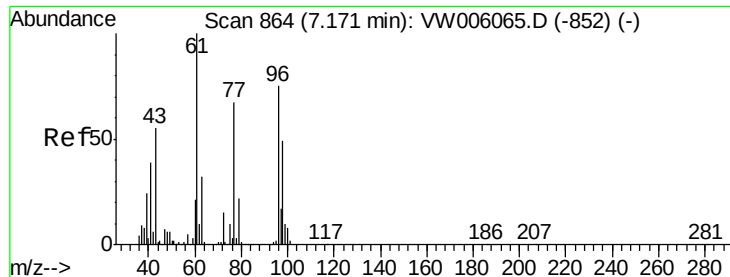
Tgt Ion: 77 Resp: 91874

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.4



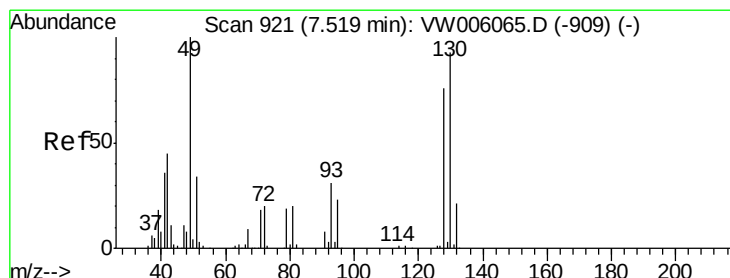
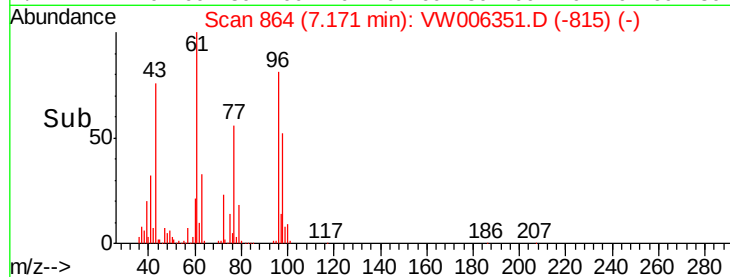
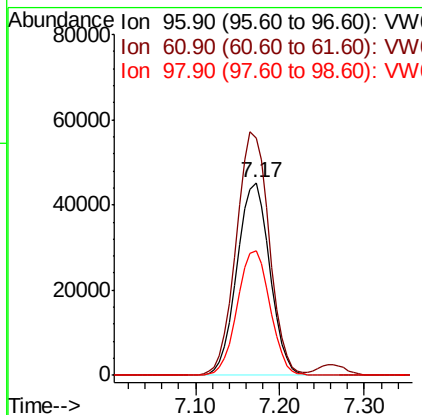
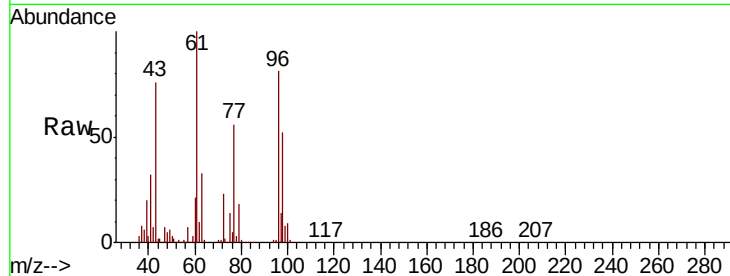


#27

cis-1,2-Dichloroethene
 Concen: 72.001 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

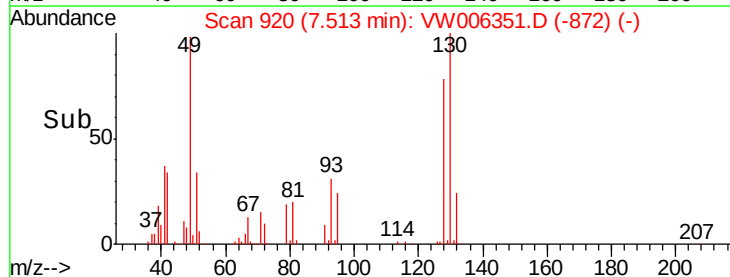
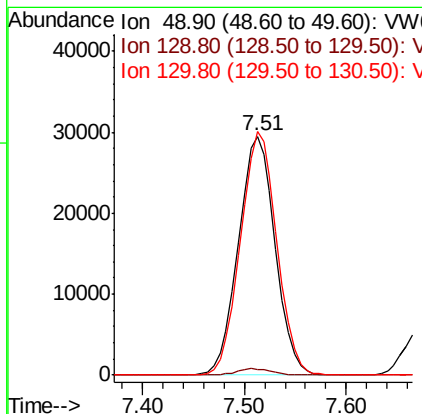
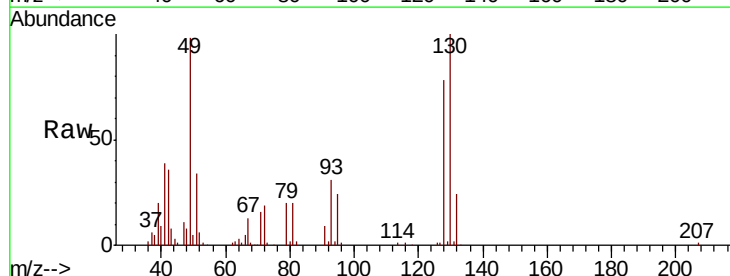
Tot Ion	96	Resp	118942
Ion Ratio	Lower	Upper	
96	100		
61	127.5	0.0	267.2
98	64.5	0.0	128.6

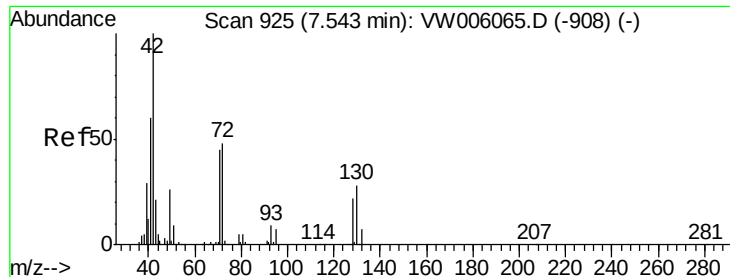


#28

Bromochloromethane
 Concen: 78.113 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion	49	Resp	73738
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	5.0
130	100.9	73.8	110.8





#29

Tetrahydrofuran

Concen: 406.792 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

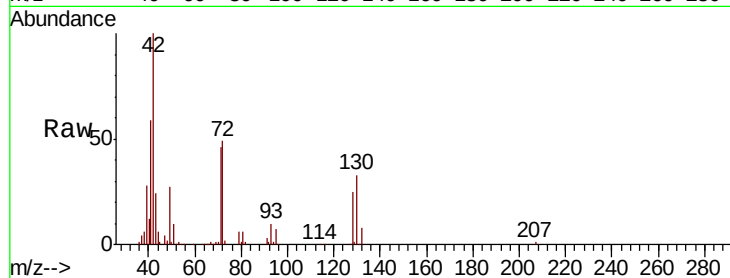
Tot Ion: 42 Resp: 89891

Ion Ratio Lower Upper

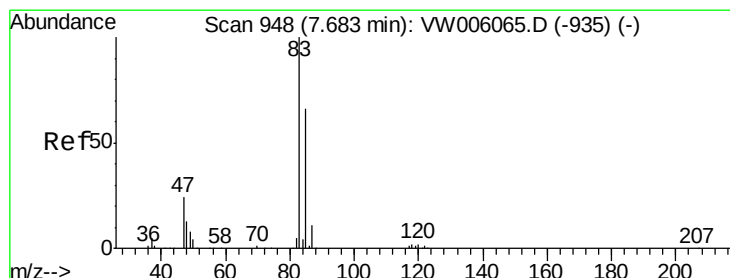
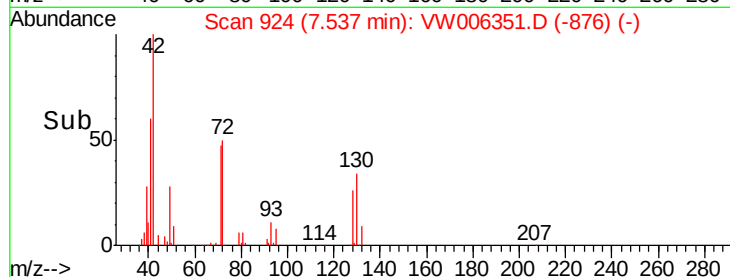
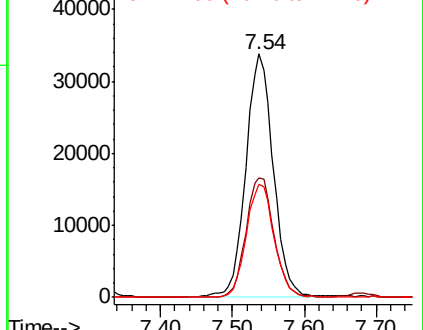
42 100

72 50.0 38.0 57.0

71 46.5 35.3 52.9



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



#30

Chloroform

Concen: 72.206 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006351.D

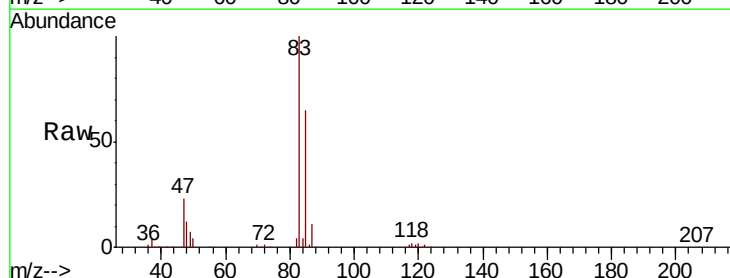
Acq: 25 Oct 2018 07:30

Tgt Ion: 83 Resp: 192363

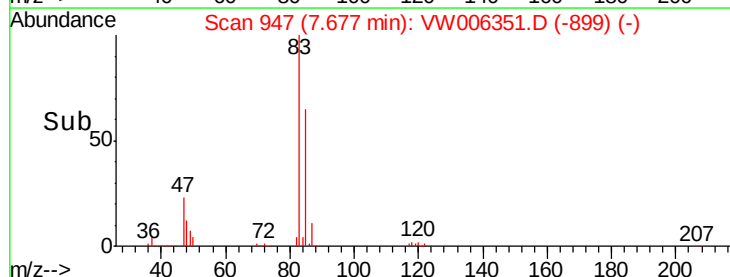
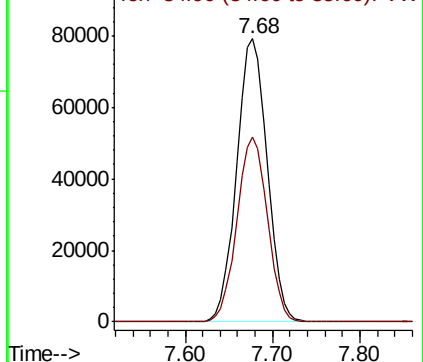
Ion Ratio Lower Upper

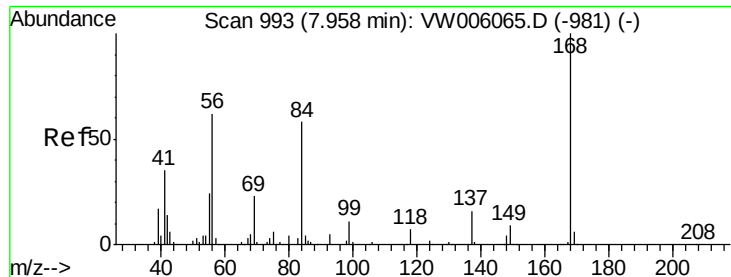
83 100

85 65.2 52.6 79.0



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

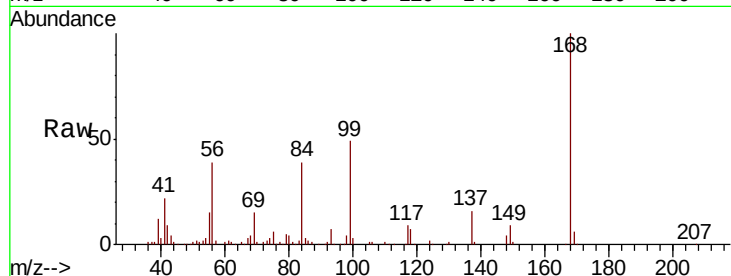




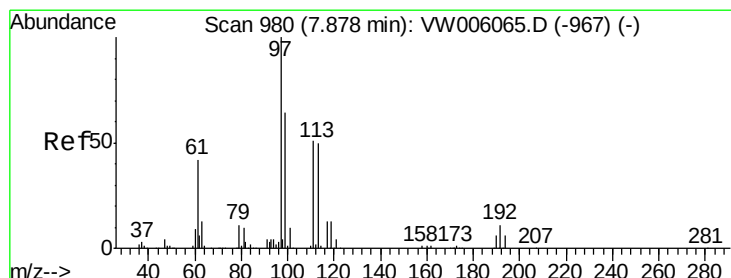
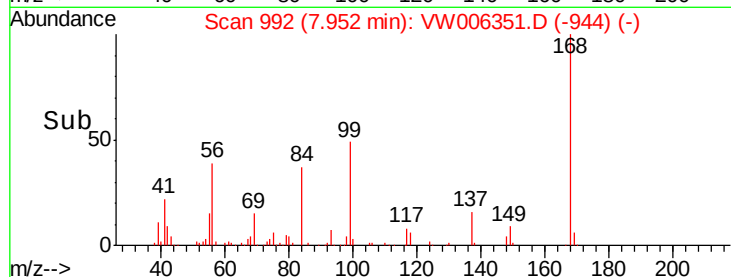
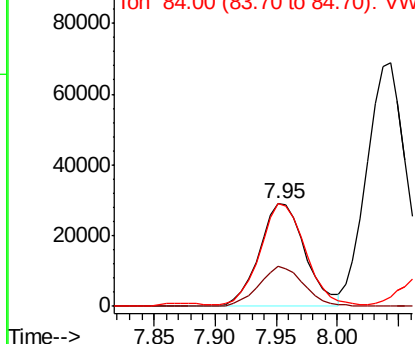
#31
Cyclohexane
Concen: 31.306 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Instrument :
MSVOA_W
ClientSampled :
PA-SB-01BMSD

Tot Ion: 56 Resp: 76233
Ion Ratio Lower Upper
56 100
69 38.9 29.4 44.0
84 97.1 74.0 111.0

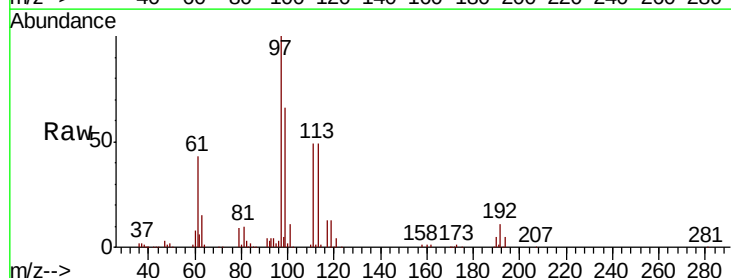


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

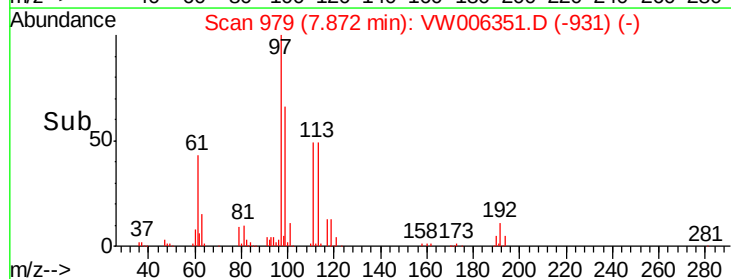
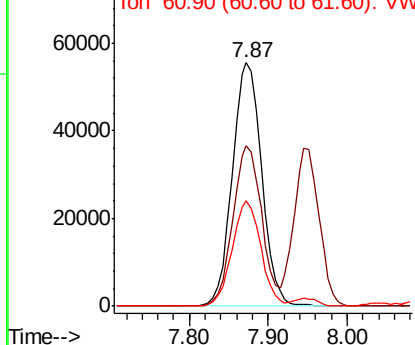


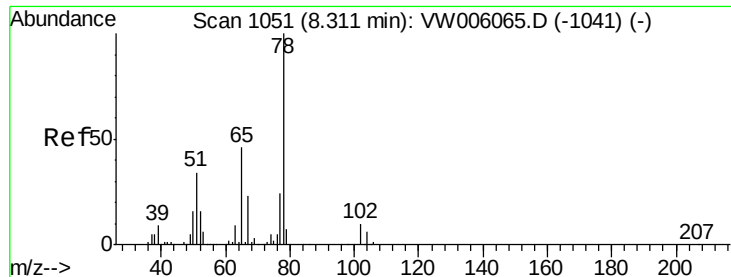
#32
1,1,1-Trichloroethane
Concen: 59.739 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 97 Resp: 143562
Ion Ratio Lower Upper
97 100
99 65.1 50.9 76.3
61 42.1 33.7 50.5



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

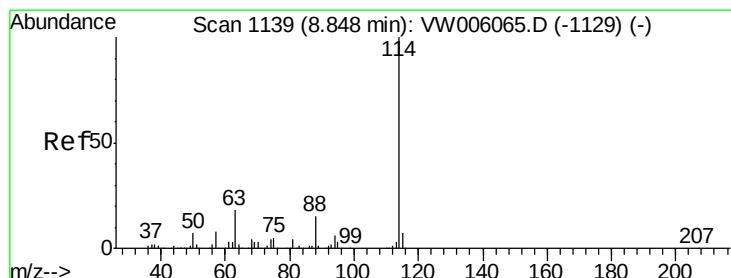
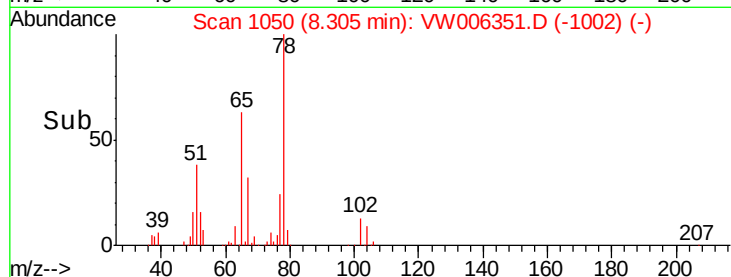
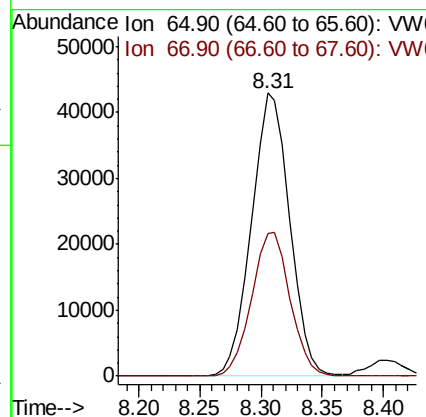
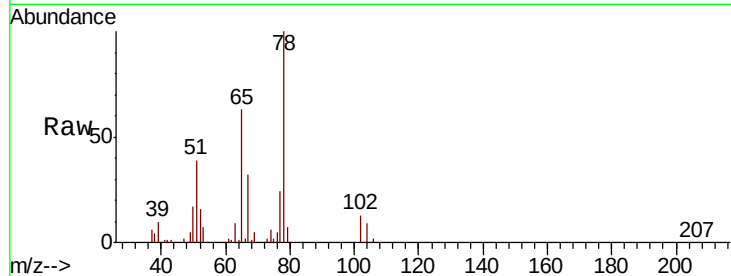




#33
 1,2-Dichloroethane-d4
 Concen: 70.118 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

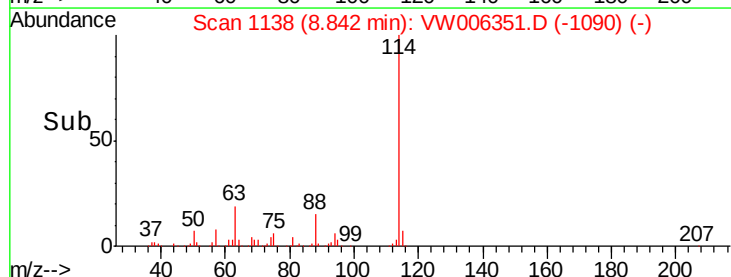
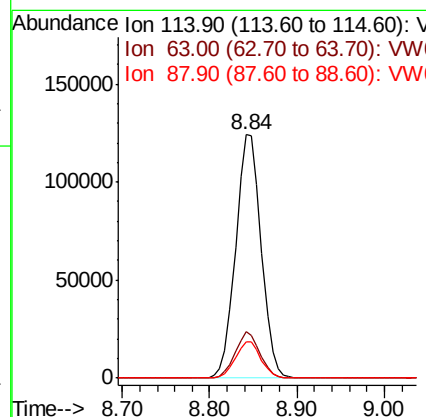
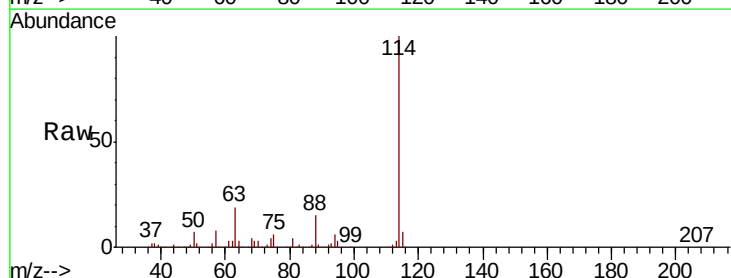
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

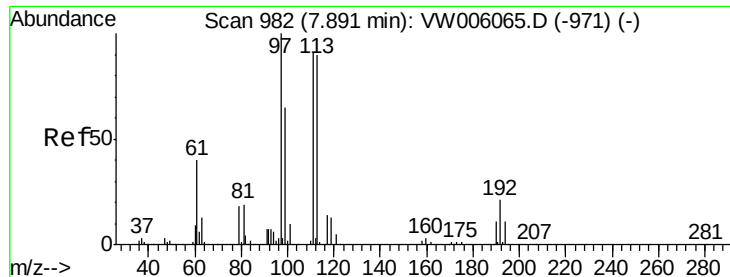
Tot Ion: 65 Resp: 93309
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion: 114 Resp: 251168
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 36.8
 88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 61.806 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

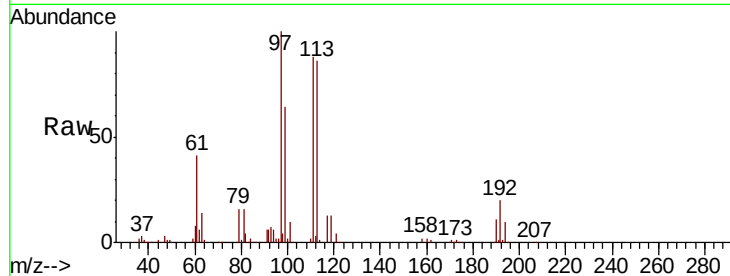
Tot Ion:113 Resp: 91729

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

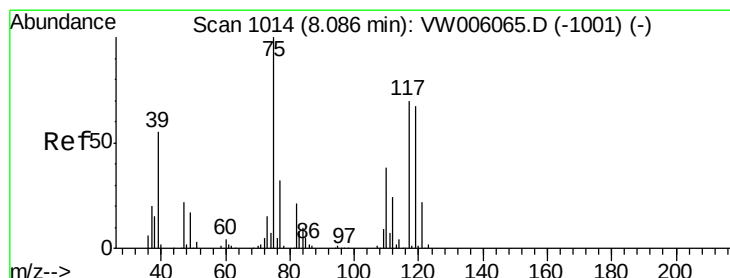
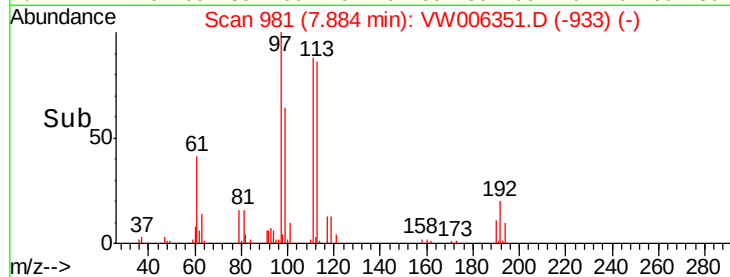
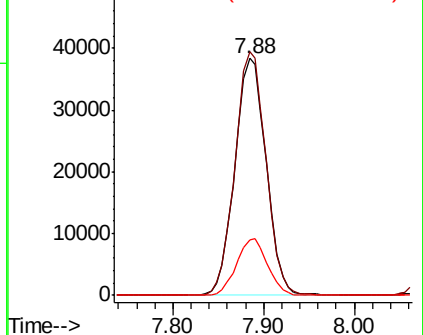
192 23.6 18.7 28.1



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: 47.659 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

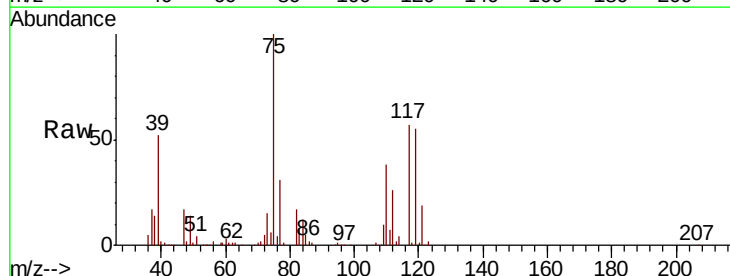
Tgt Ion: 75 Resp: 110335

Ion Ratio Lower Upper

75 100

110 38.8 19.1 57.1

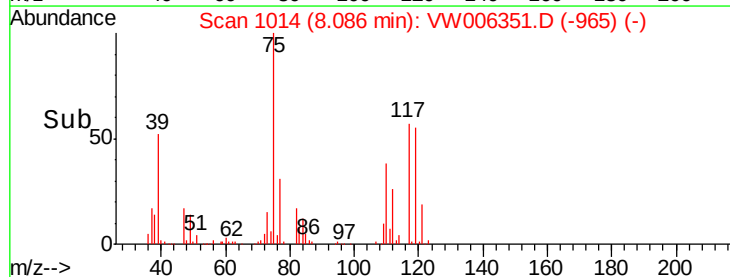
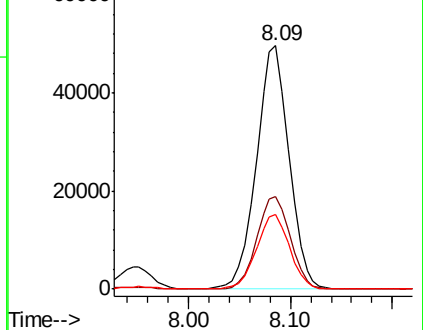
77 31.3 25.0 37.4

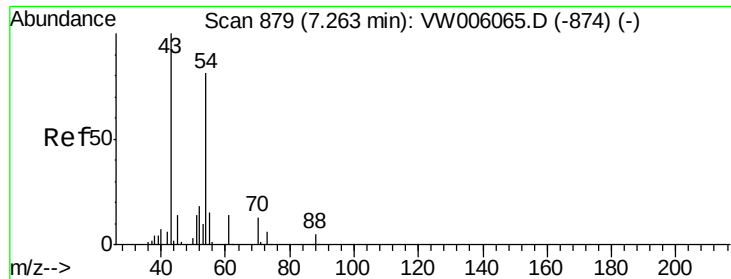


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

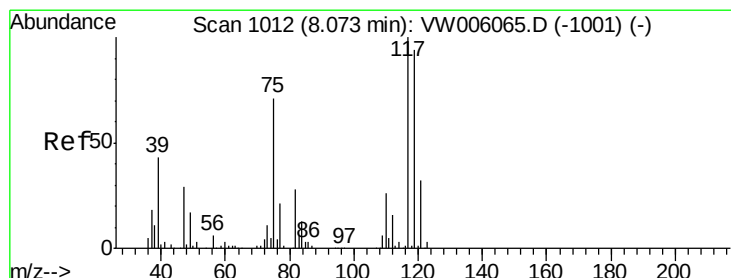
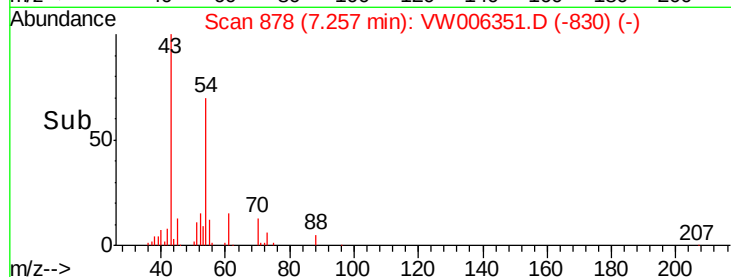
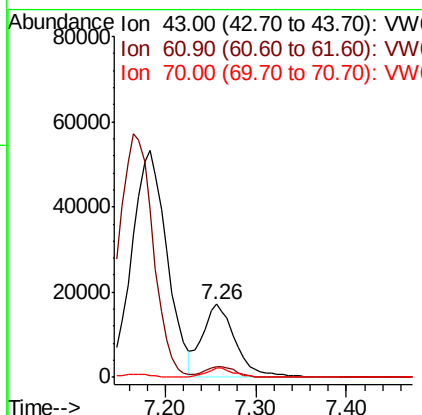
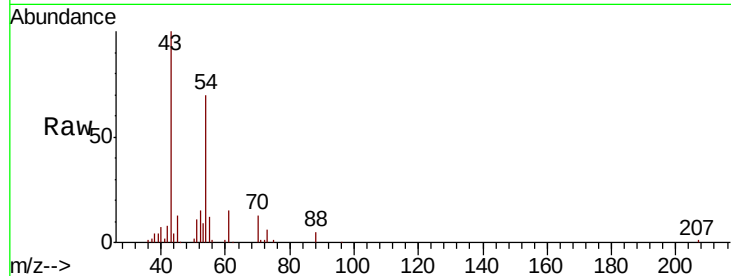




#37
Ethyl Acetate
Concen: 51.131 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

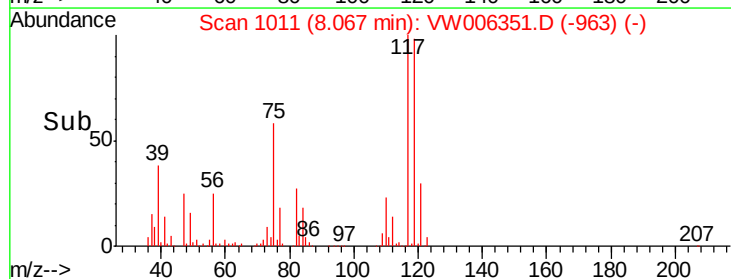
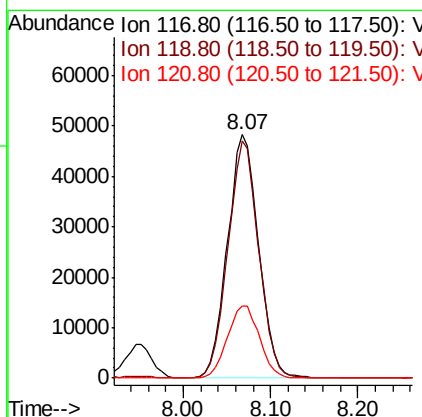
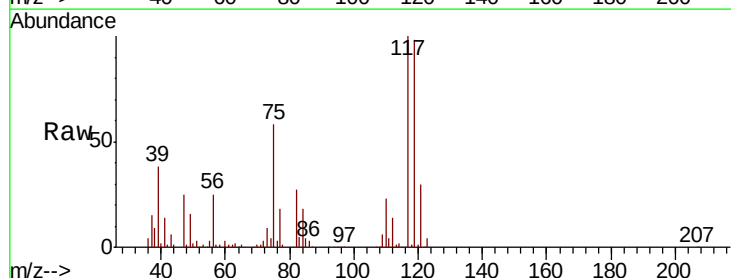
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

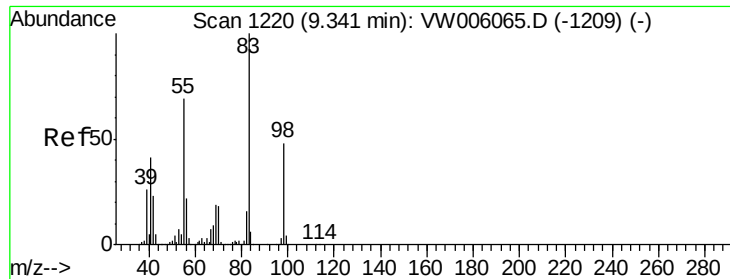
Tot Ion: 43 Resp: 43980
Ion Ratio Lower Upper
43 100
61 13.9 11.5 17.3
70 11.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 47.083 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 117 Resp: 119491
Ion Ratio Lower Upper
117 100
119 97.7 75.2 112.8
121 29.8 25.3 37.9

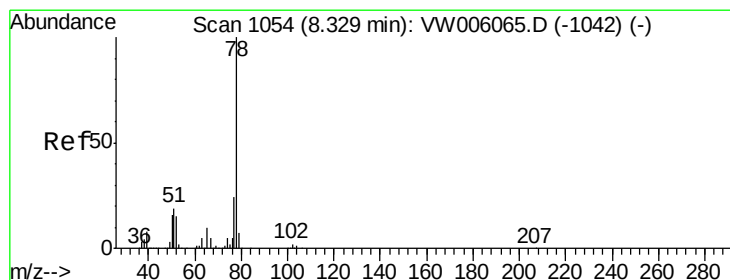
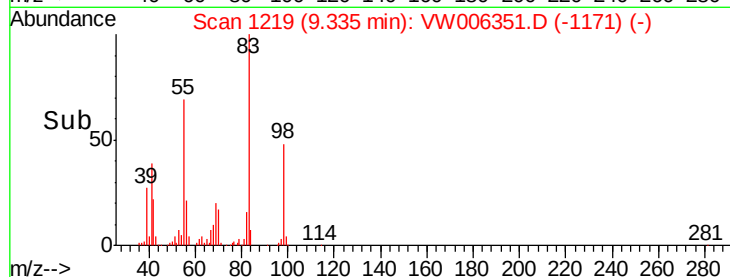
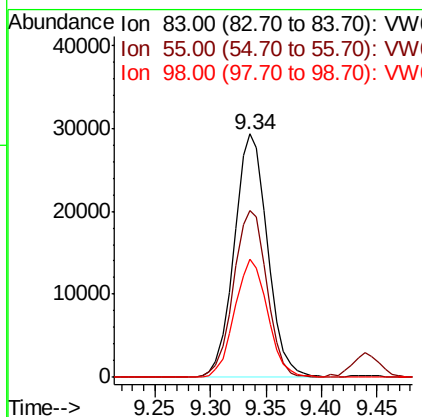
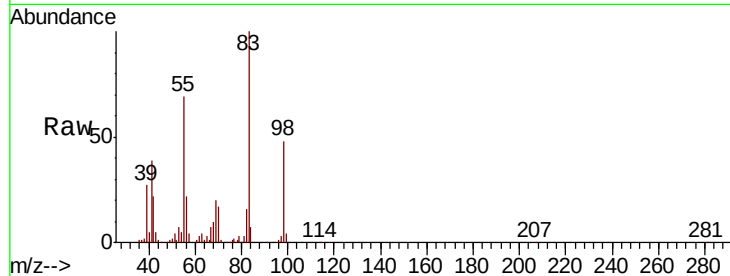




#39
Methylvlcyclohexane
Concen: 19.657 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

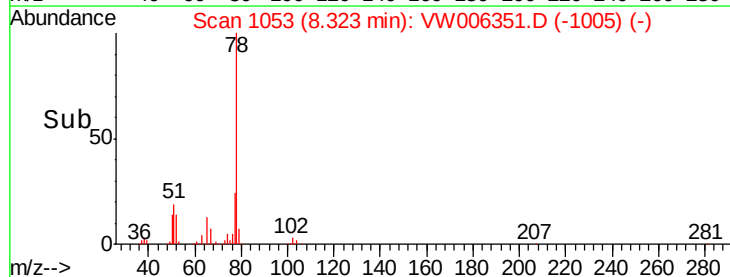
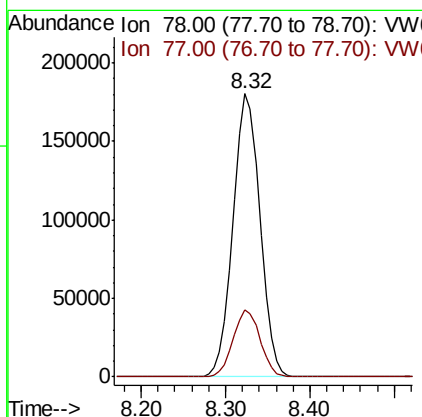
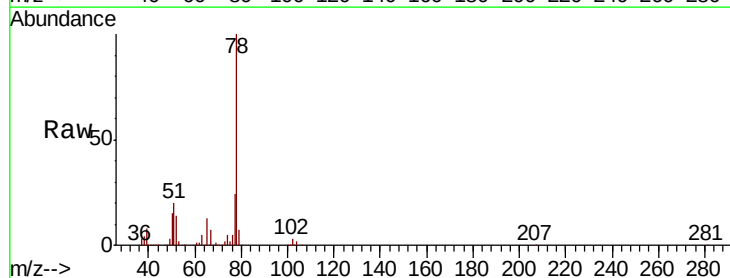
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

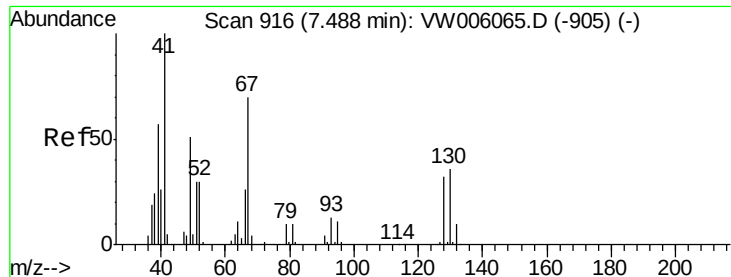
Tot Ion: 83 Resp: 60493
Ion Ratio Lower Upper
83 100
55 68.6 55.0 82.6
98 48.3 38.6 57.8



#40
Benzene
Concen: 61.340 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 78 Resp: 389535
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

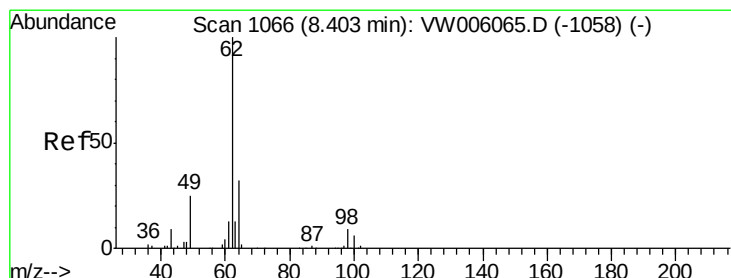
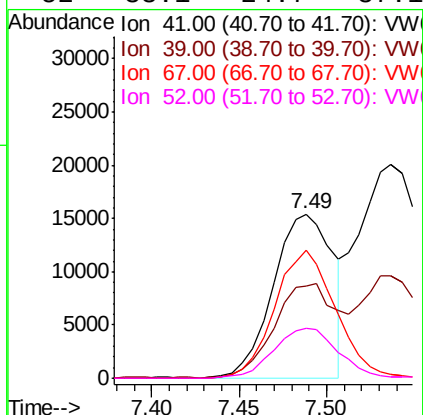
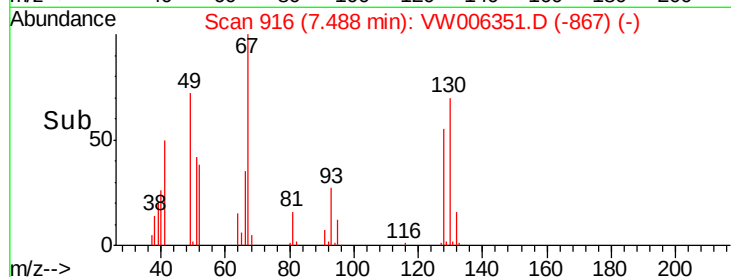
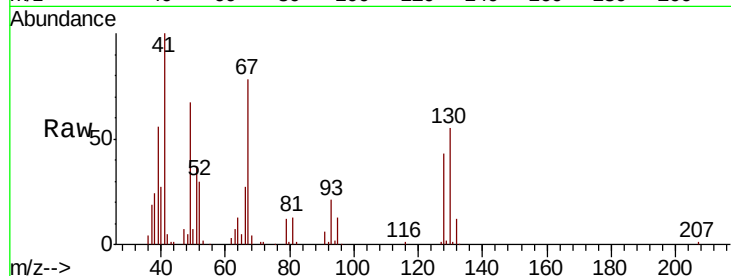




#41
Methacrylonitrile
Concen: 70.984 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

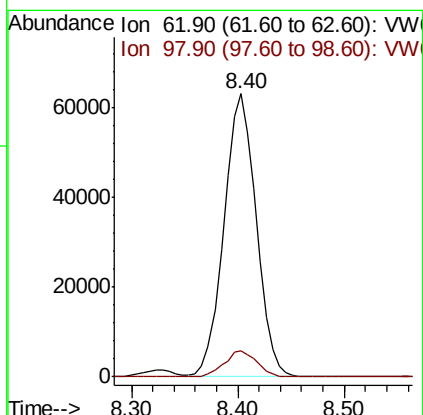
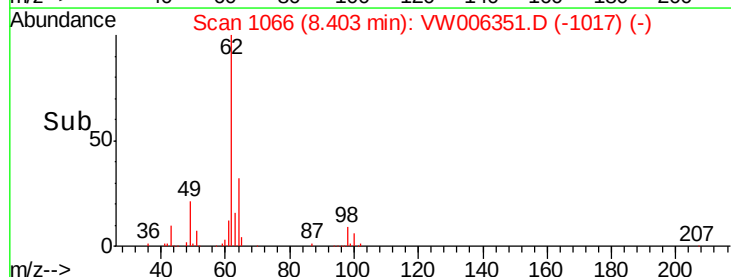
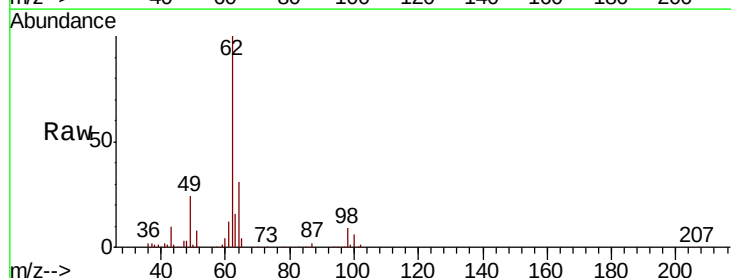
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

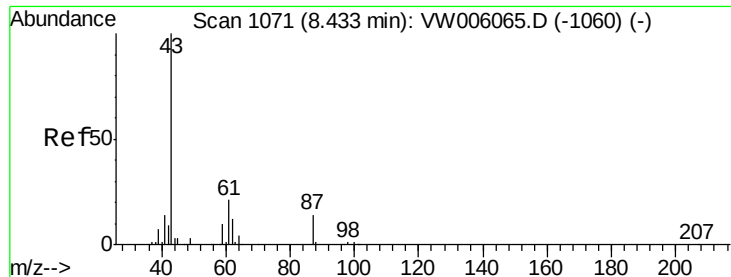
Tot Ion:	41	Resp:	36807
Ion	Ratio	Lower	Upper
41	100		
39	63.0	46.2	69.4
67	79.6	57.7	86.5
52	33.1	24.7	37.1



#42
1,2-Dichloroethane
Concen: 71.373 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion:	62	Resp:	133164
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.262 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

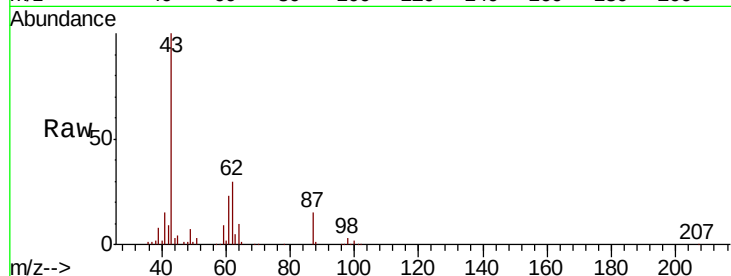
Tot Ion: 43 Resp: 88394

Ion Ratio Lower Upper

43 100

61 35.9 25.5 38.3

87 15.3 11.7 17.5

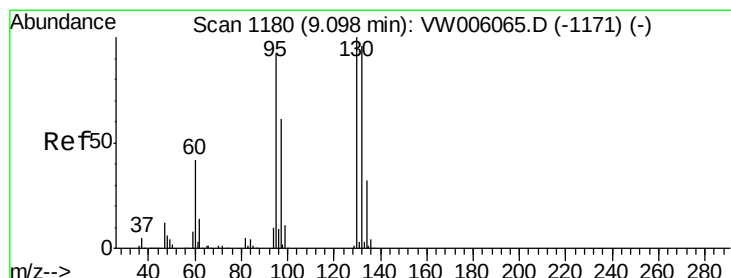
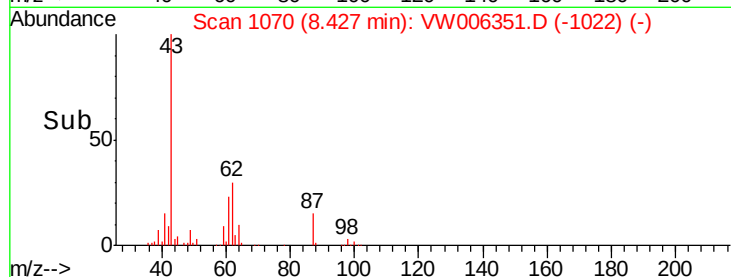
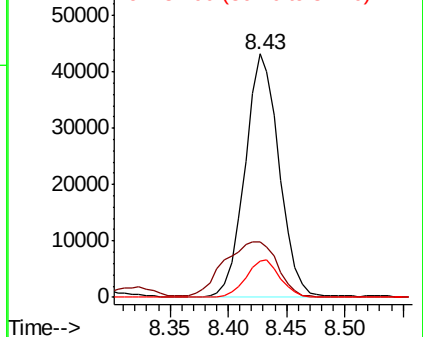


Abundance

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: 50.247 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006351.D

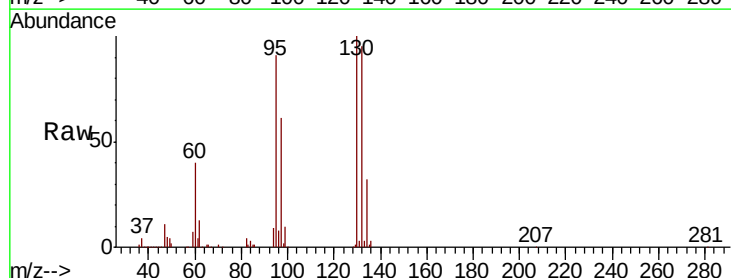
Acq: 25 Oct 2018 07:30

Tgt Ion: 130 Resp: 97896

Ion Ratio Lower Upper

130 100

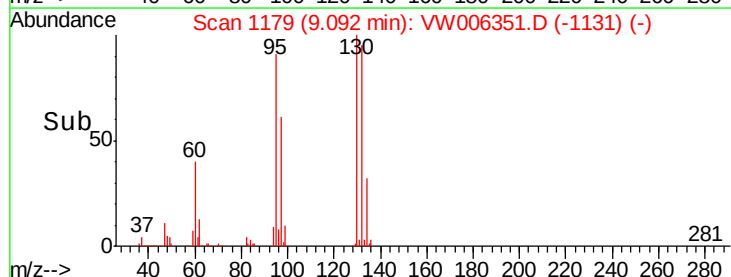
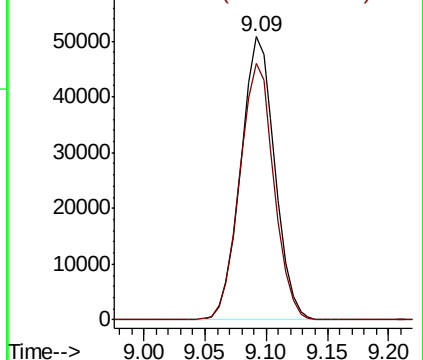
95 90.5 0.0 183.2

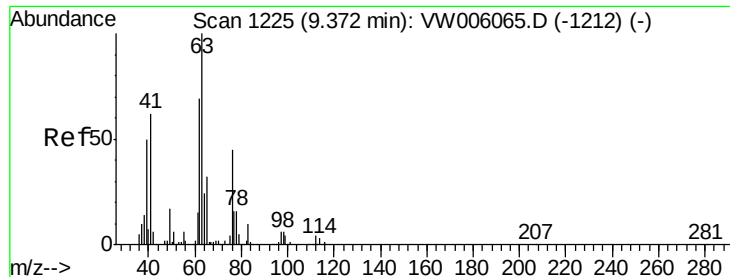


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

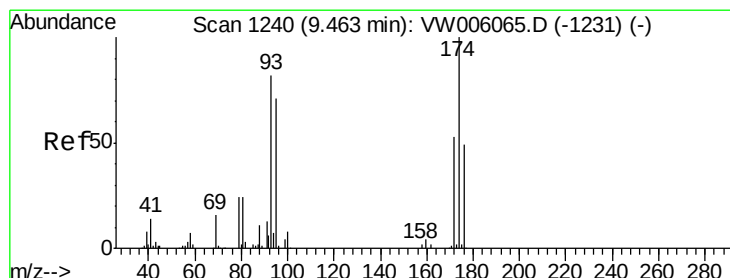
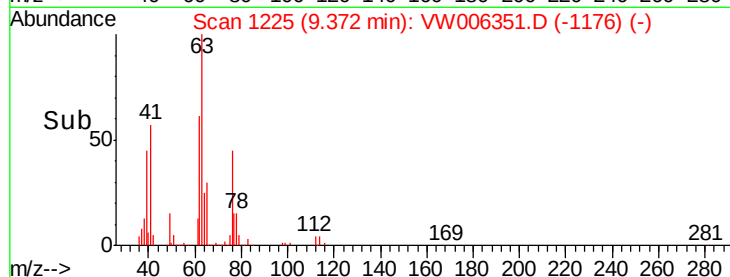
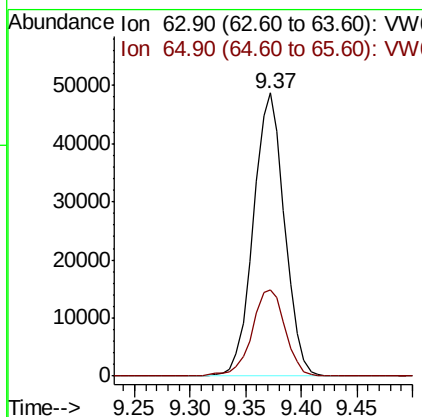
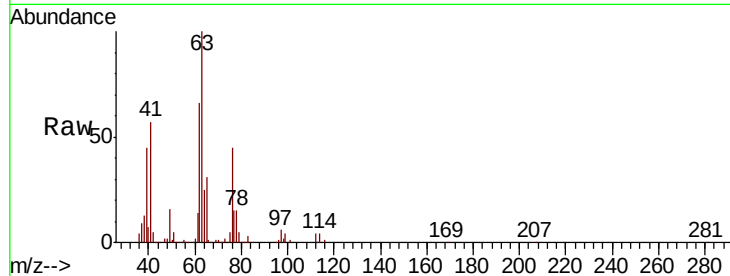




#45
 1,2-Dichloropropane
 Concen: 62.514 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

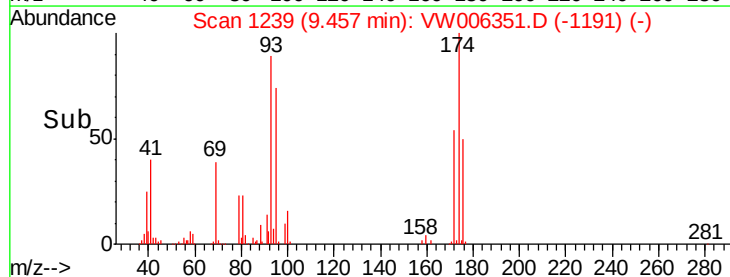
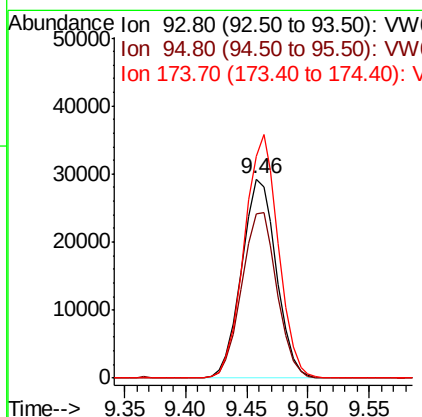
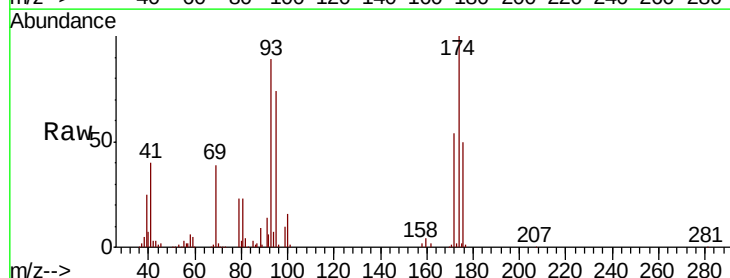
Instrument :
 MSVOA_W
 ClientSampled :
 PA-SB-01BMSD

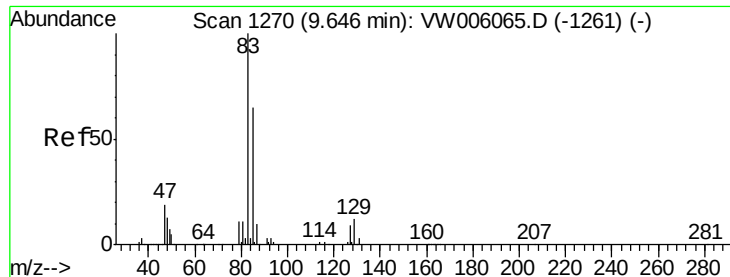
Tot Ion: 63 Resp: 94997
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0



#46
 Dibromomethane
 Concen: 66.610 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion: 93 Resp: 57691
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.7 101.5
 174 120.0 93.7 140.5





#47

Bromodichloromethane

Concen: 58.420 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

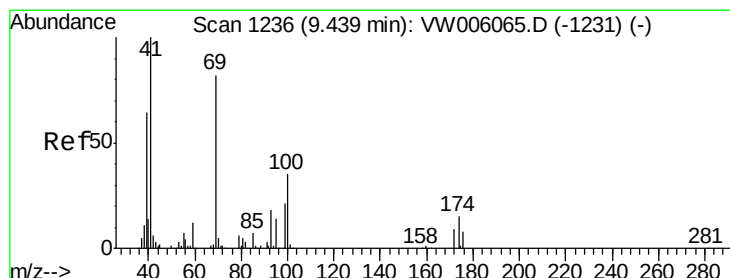
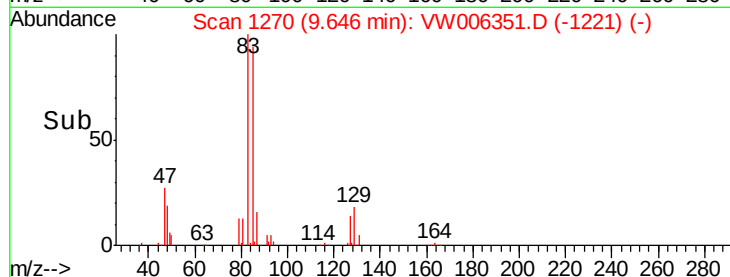
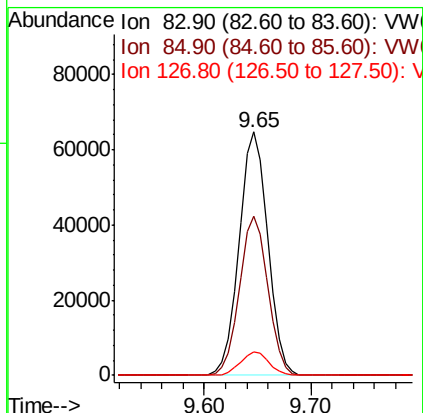
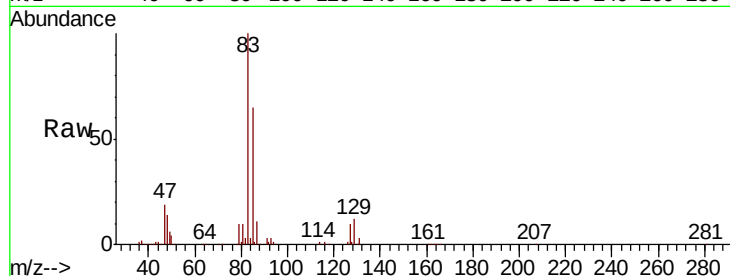
Tot Ion: 83 Resp: 122673

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.8

127 9.5 6.9 10.3



#48

Methyl methacrylate

Concen: 86.549 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

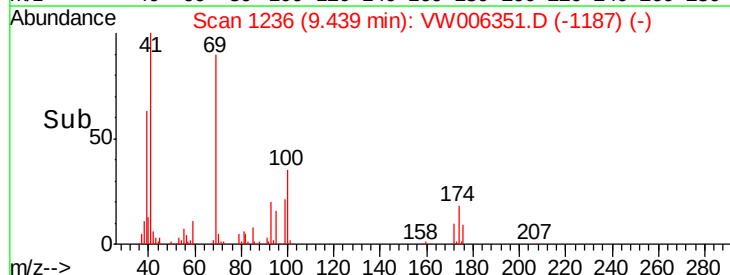
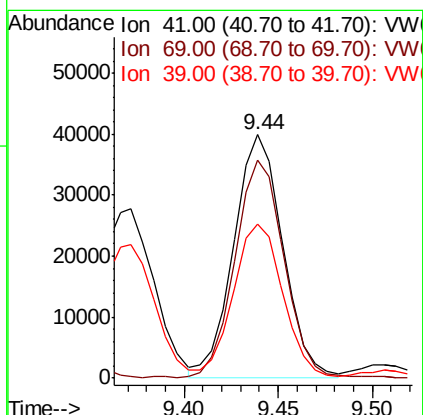
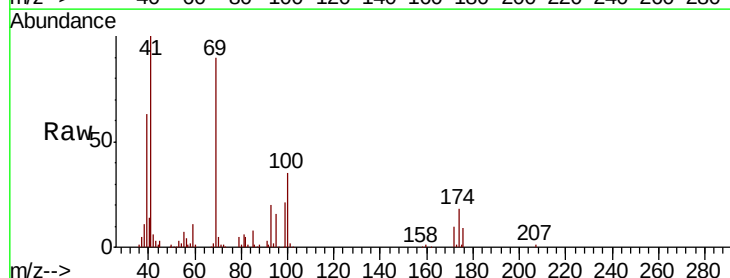
Tgt Ion: 41 Resp: 72150

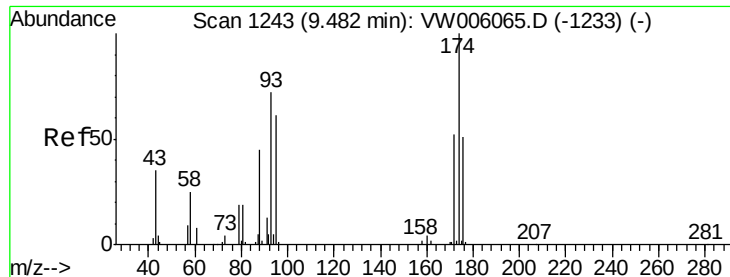
Ion Ratio Lower Upper

41 100

69 90.1 71.8 107.8

39 63.8 52.5 78.7





#49

1,4-Dioxane

Concen: 1364.996 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

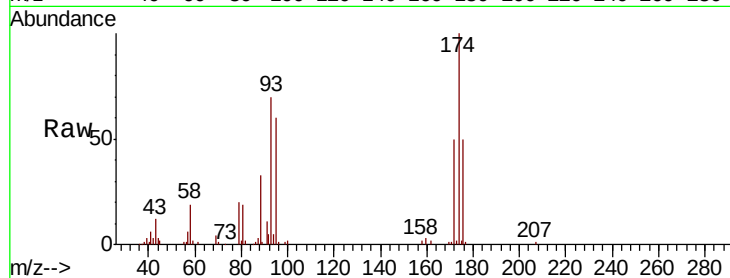
Tot Ion: 88 Resp: 18200

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

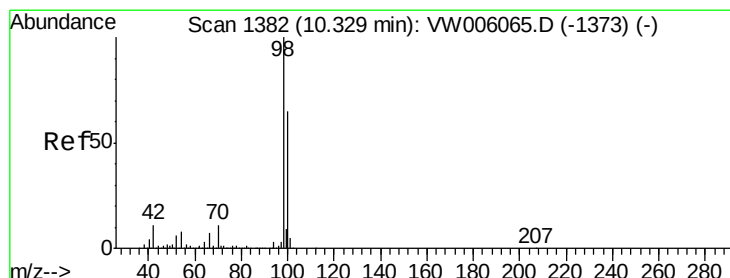
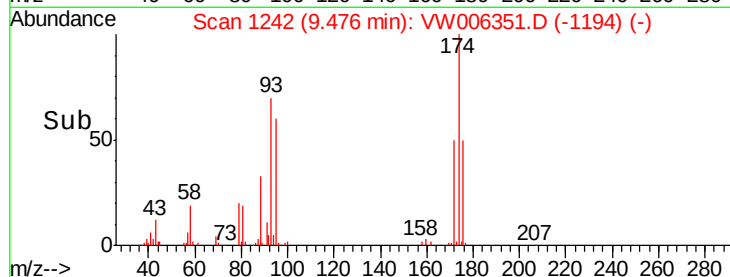
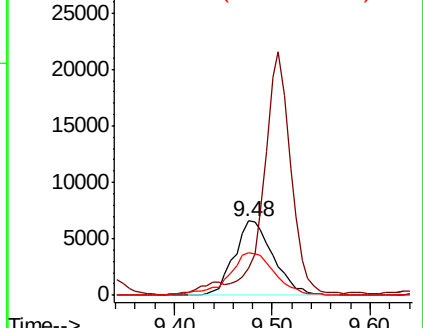
58 67.4 51.2 76.8



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: 43.992 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006351.D

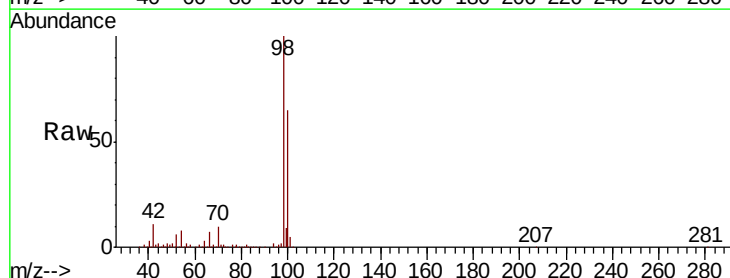
Acq: 25 Oct 2018 07:30

Tgt Ion: 98 Resp: 248398

Ion Ratio Lower Upper

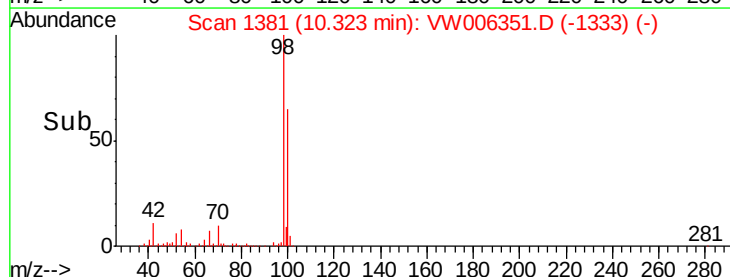
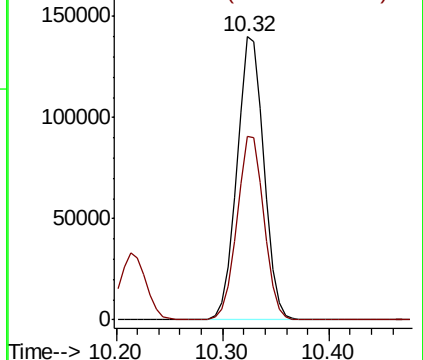
98 100

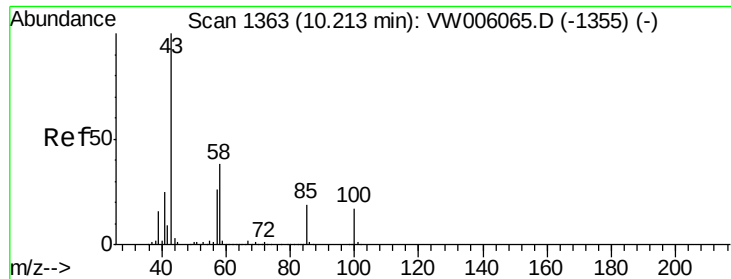
100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

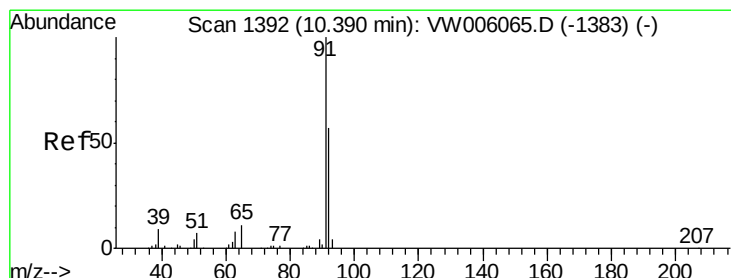
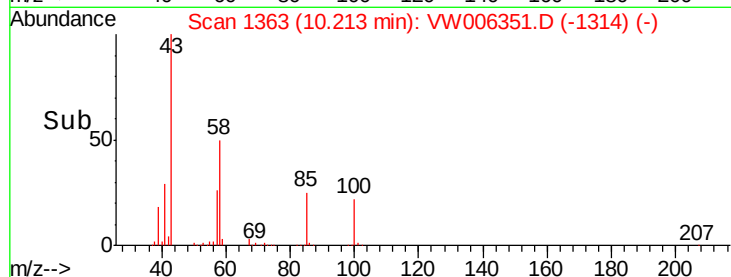
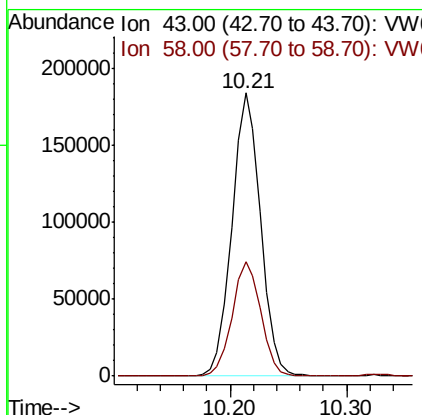
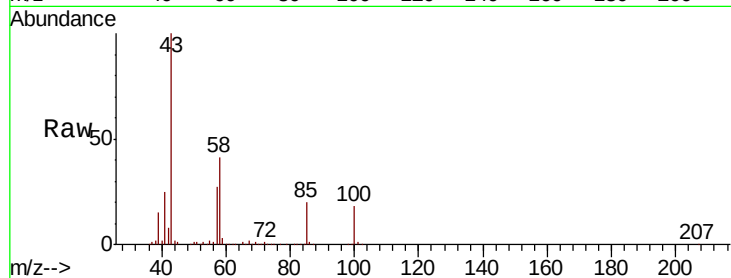




#51
 4-Methyl-2-Pentanone
 Concen: 355.577 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

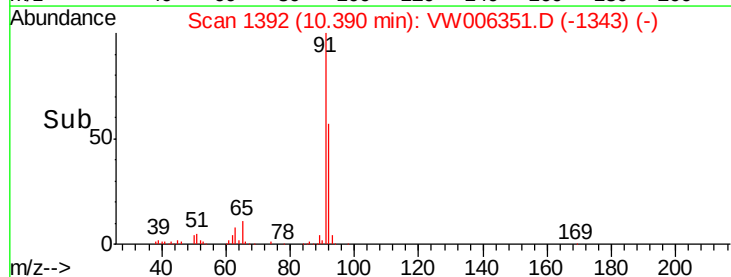
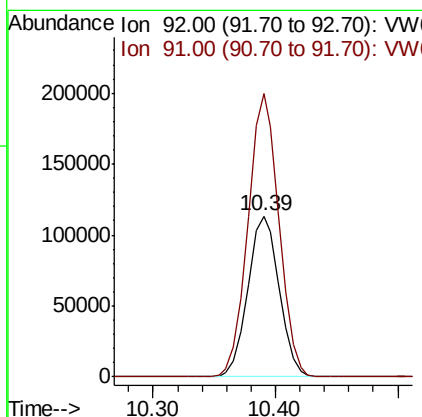
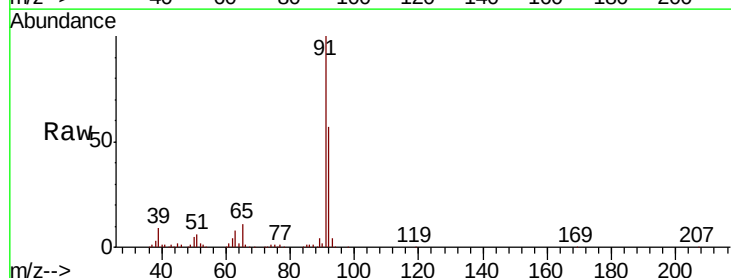
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

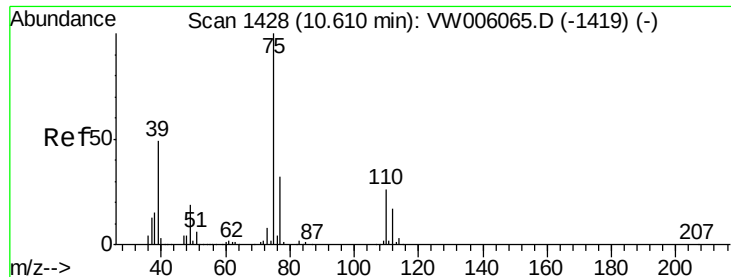
Tot Ion: 43 Resp: 313320
 Ion Ratio Lower Upper
 43 100
 58 40.8 31.5 47.3



#52
 Toluene
 Concen: 47.291 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion: 92 Resp: 201339
 Ion Ratio Lower Upper
 92 100
 91 173.9 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 53.622 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

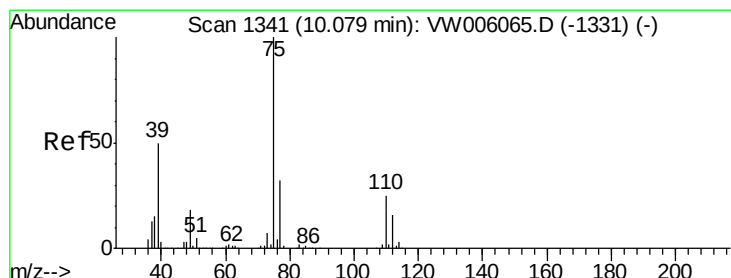
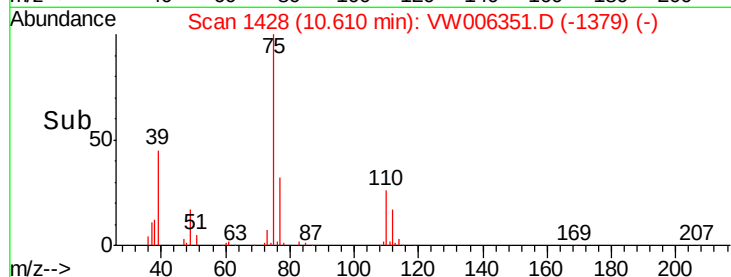
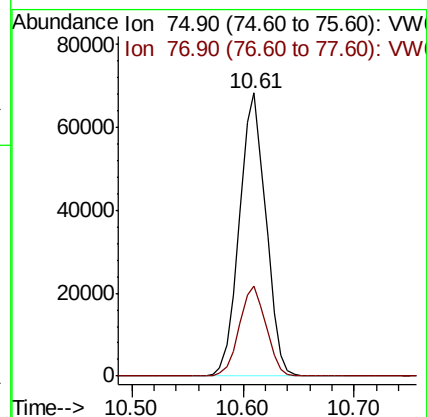
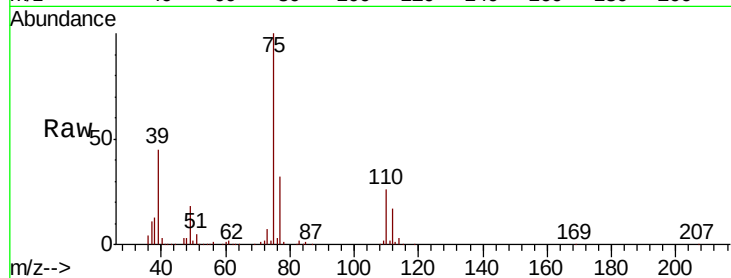
PA-SB-01BMSD

Tot Ion: 75 Resp: 112182

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 56.539 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

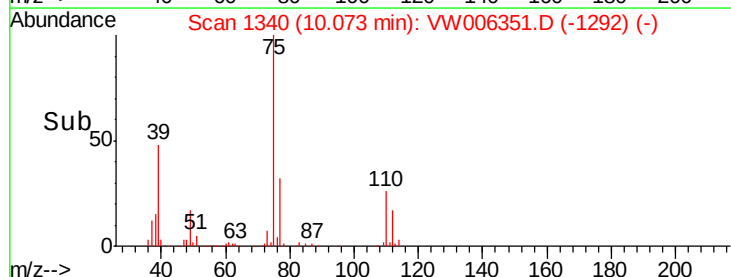
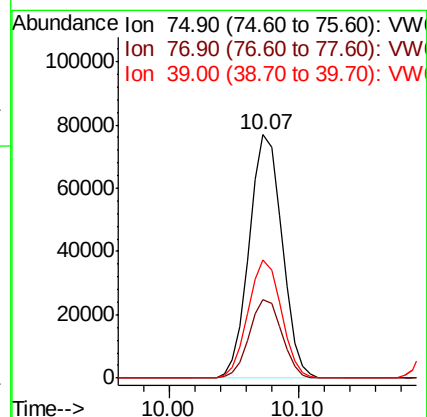
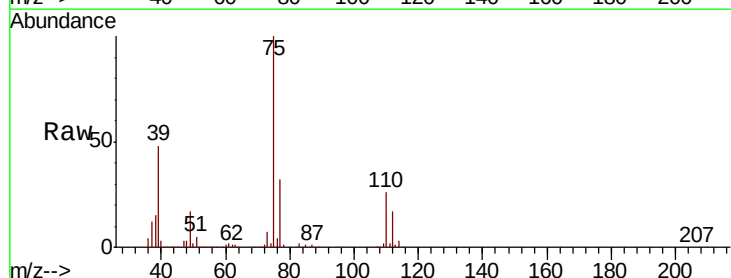
Tgt Ion: 75 Resp: 135756

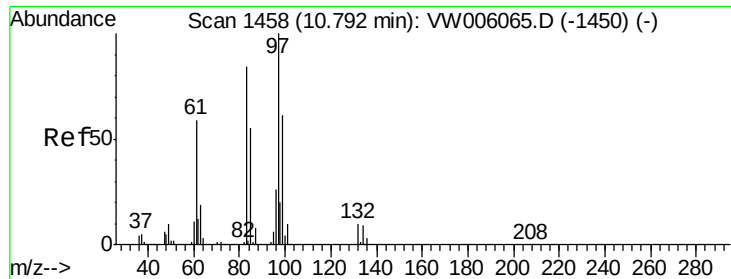
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

39 48.3 39.9 59.9

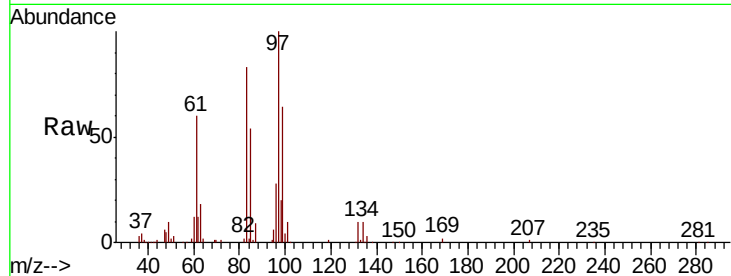




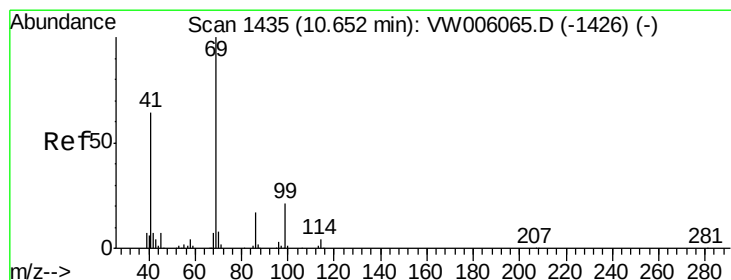
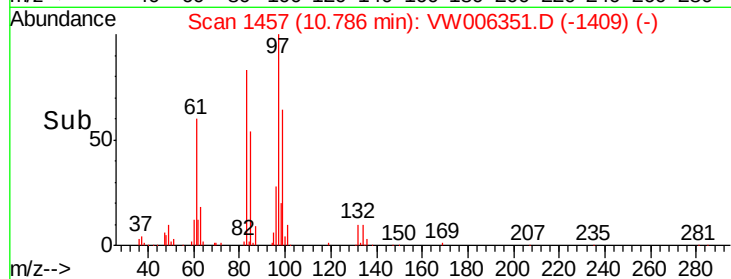
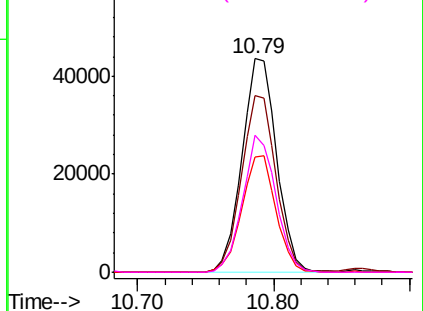
#55
 1,1,2-Trichloroethane
 Concen: 64.120 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Tot Ion:	97	Resp:	77715
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.2	100.8
85	54.1	43.7	65.5
99	64.1	48.5	72.7

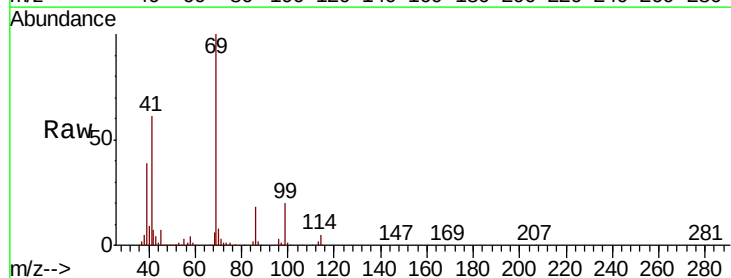


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

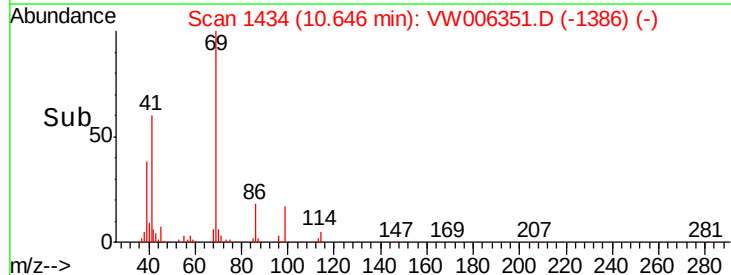
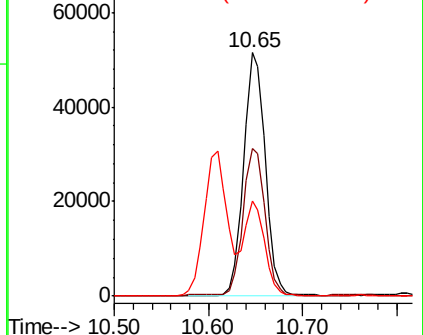


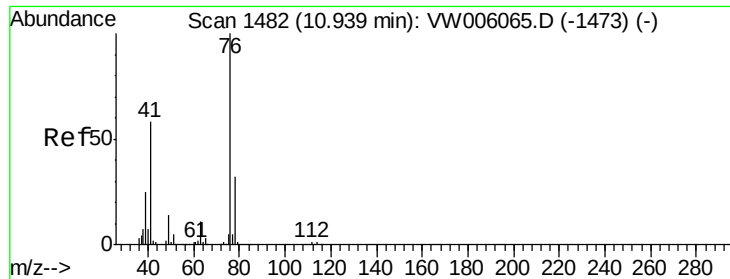
#56
 Ethyl methacrylate
 Concen: 55.427 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion:	69	Resp:	82356
Ion	Ratio	Lower	Upper
69	100		
41	61.4	52.8	79.2
39	37.8	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

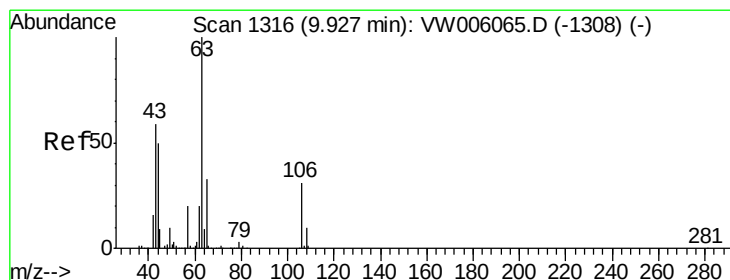
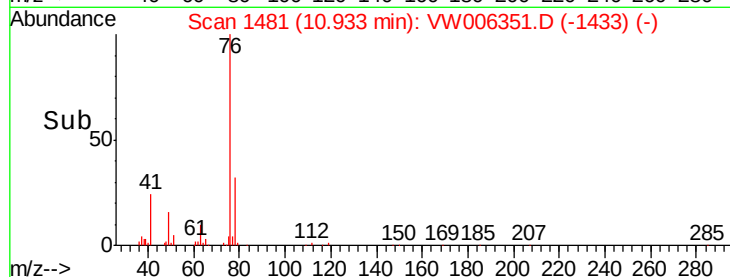
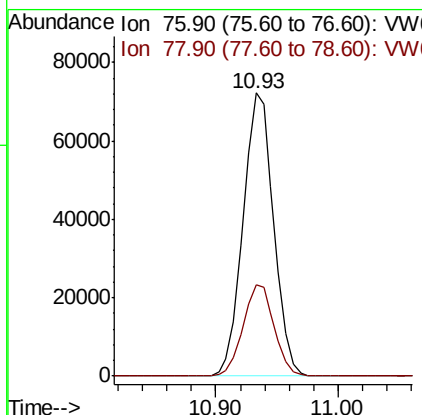
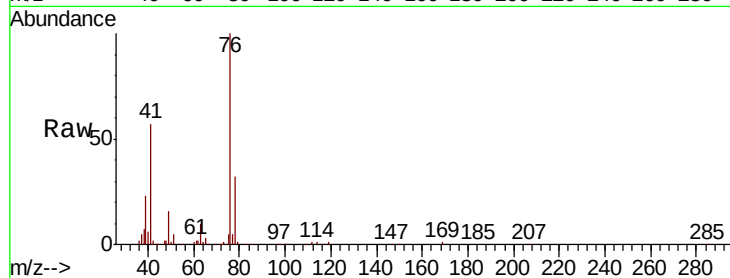




#57
 1,3-Dichloropropane
 Concen: 62.266 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

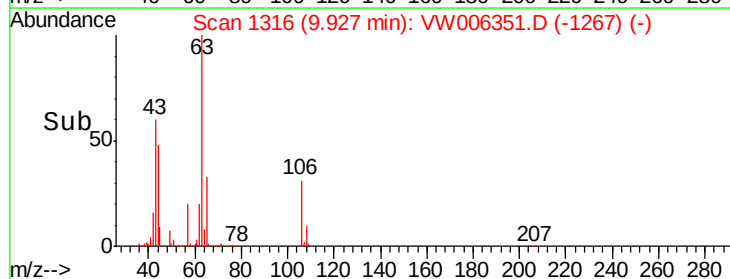
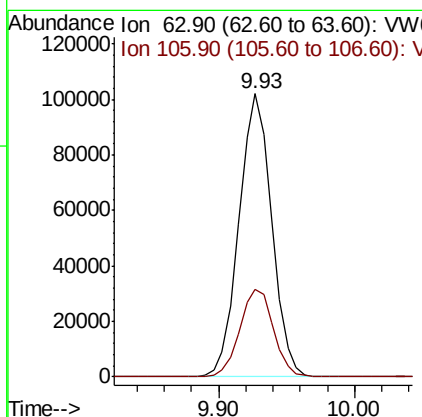
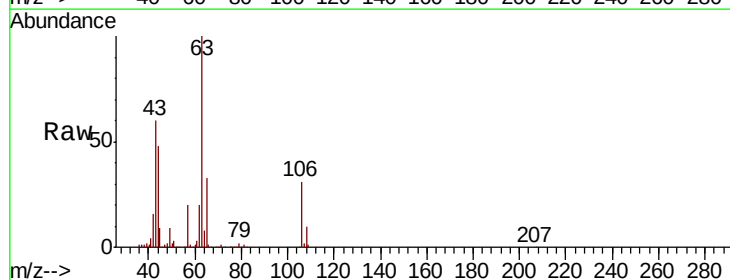
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

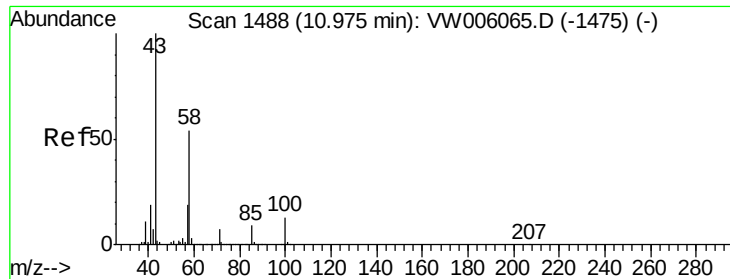
Tot Ion: 76 Resp: 124929
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 301.458 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion: 63 Resp: 171154
 Ion Ratio Lower Upper
 63 100
 106 31.8 24.5 36.7

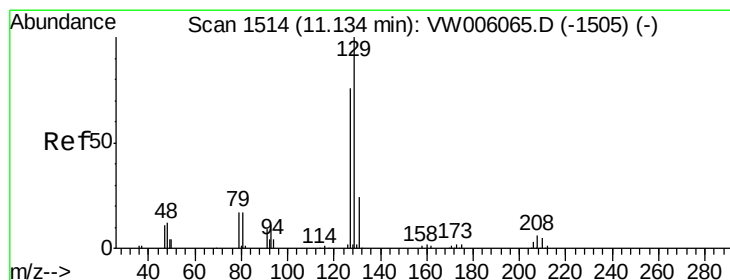
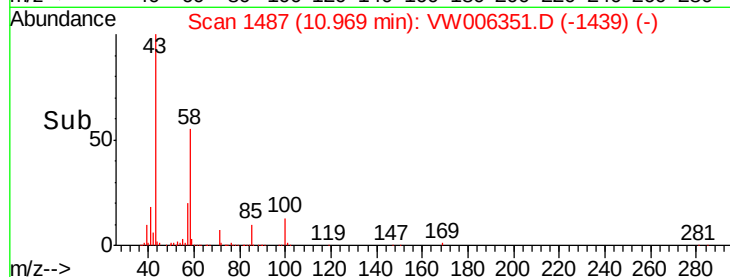
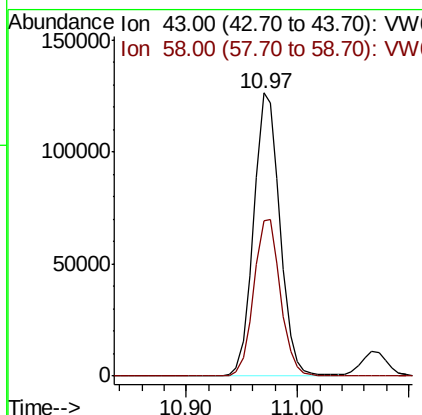
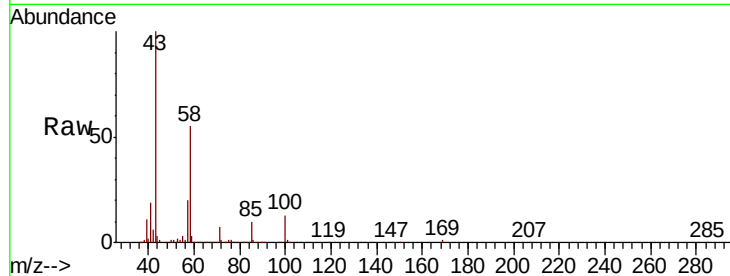




#59
2-Hexanone
Concen: 330.217 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

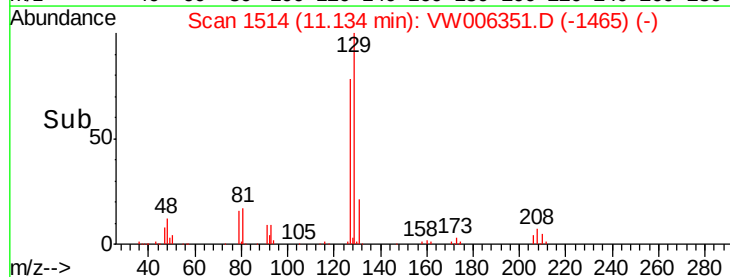
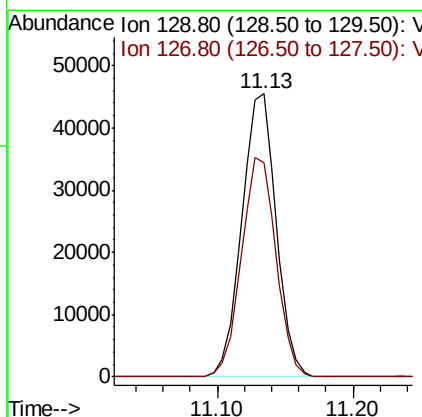
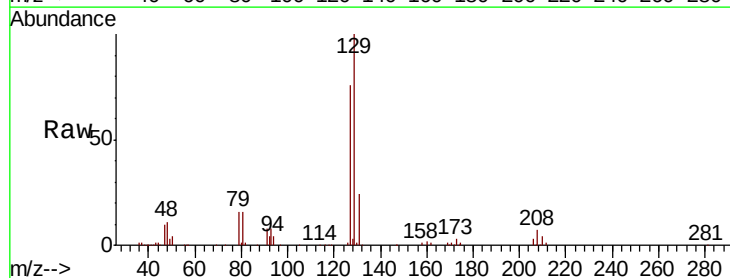
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

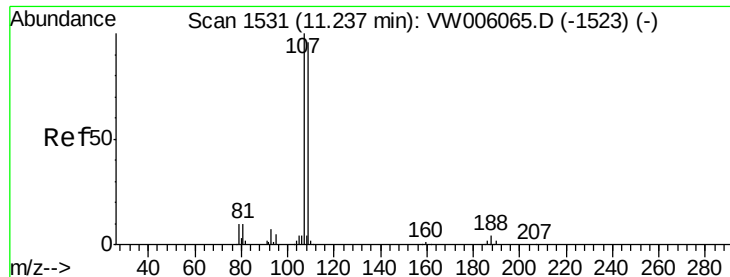
Tot Ion: 43 Resp: 207708
Ion Ratio Lower Upper
43 100
58 56.3 26.9 80.6



#60
Dibromochloromethane
Concen: 53.236 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 129 Resp: 80370
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.7

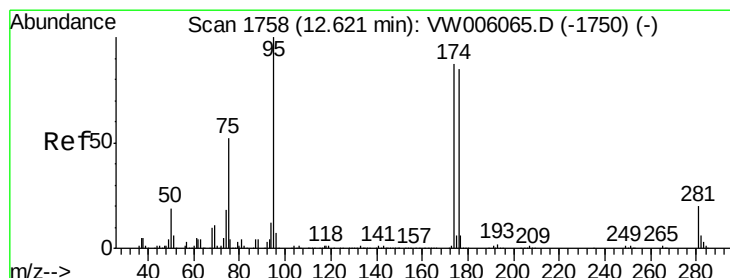
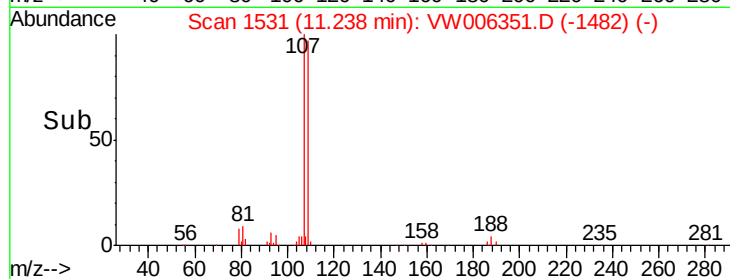
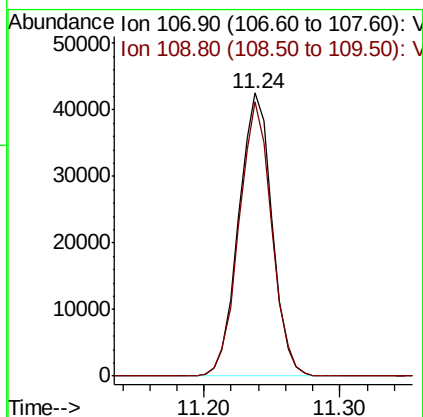
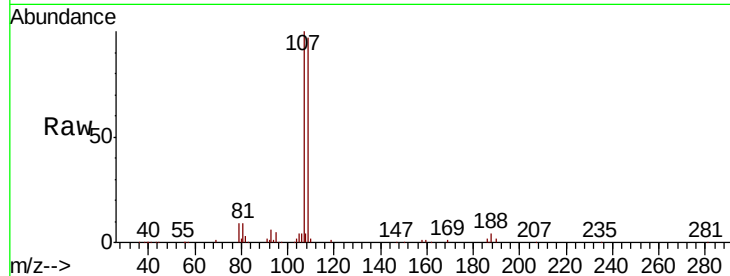




#61
 1,2-Dibromoethane
 Concen: 59.996 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

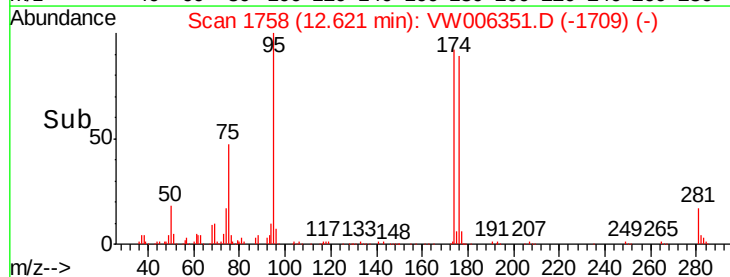
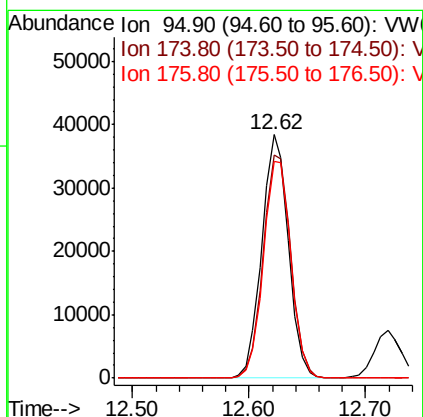
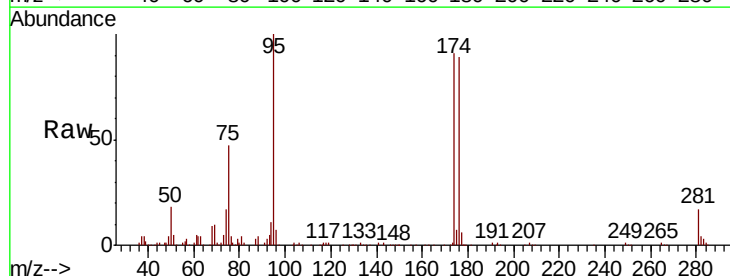
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

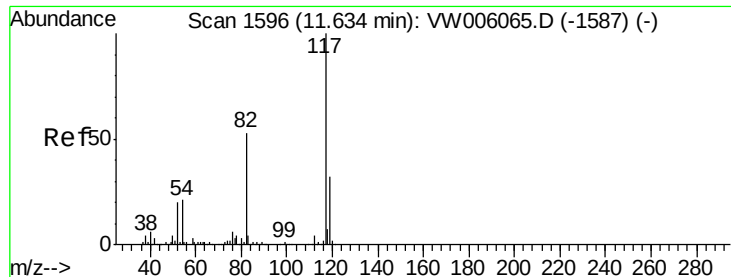
Tot Ion: 107 Resp: 72657
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 28.895 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion: 95 Resp: 61279
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 186.0
 176 91.8 0.0 181.6

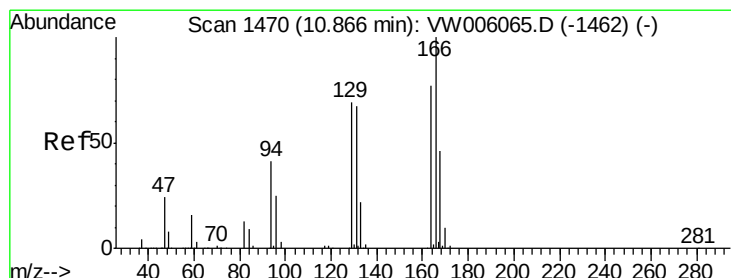
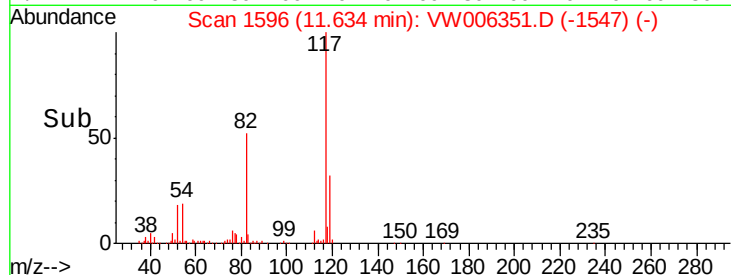
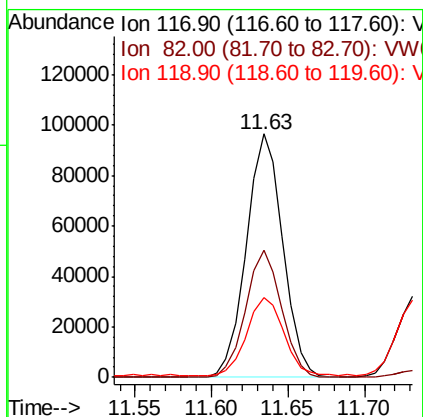
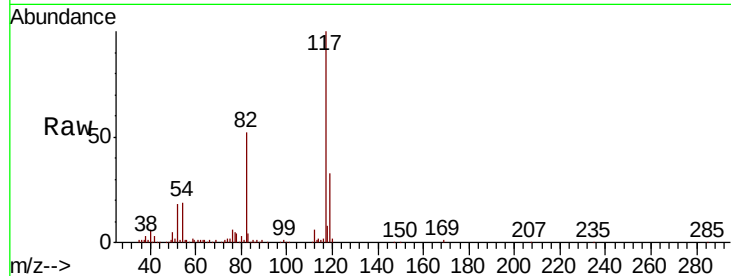




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

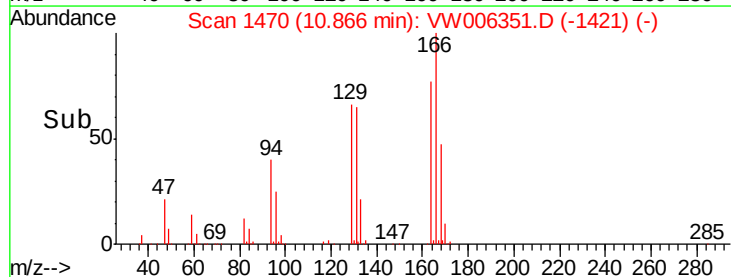
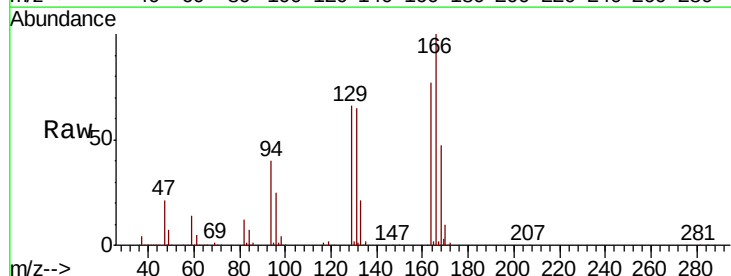
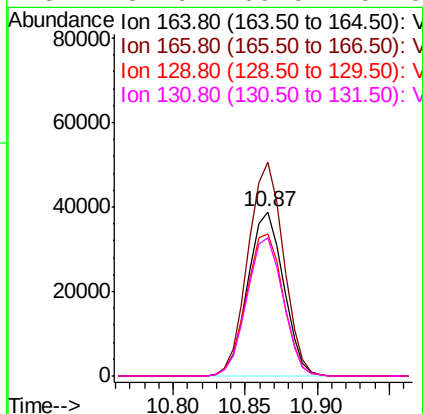
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

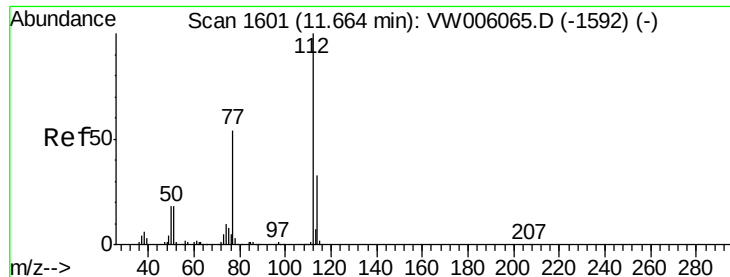
Tot Ion:117 Resp: 159537
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 53.799 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion:164 Resp: 66630
Ion Ratio Lower Upper
164 100
166 130.1 103.4 155.0
129 86.4 71.8 107.8
131 84.0 69.5 104.3





#65

Chlorobenzene

Concen: 57.094 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

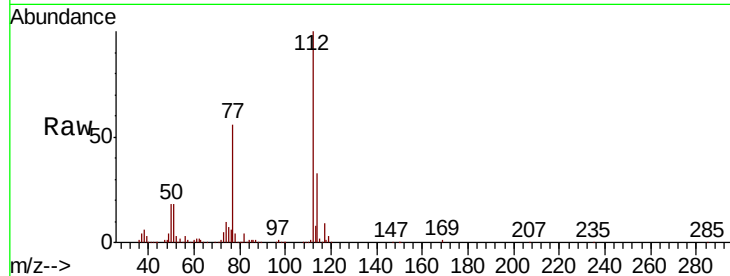
PA-SB-01BMSD

Tot Ion:112 Resp: 194990

Ion Ratio Lower Upper

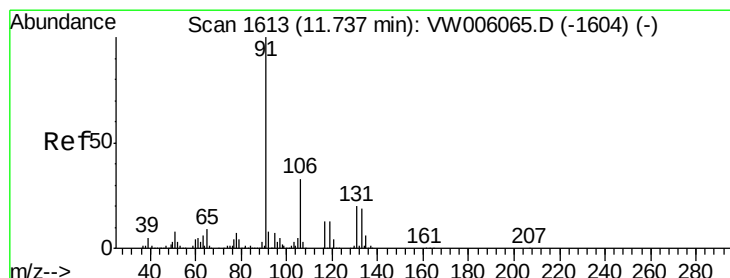
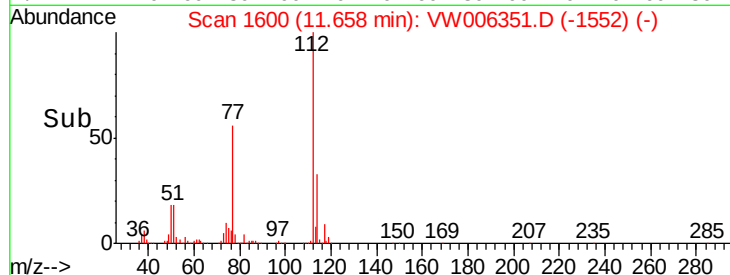
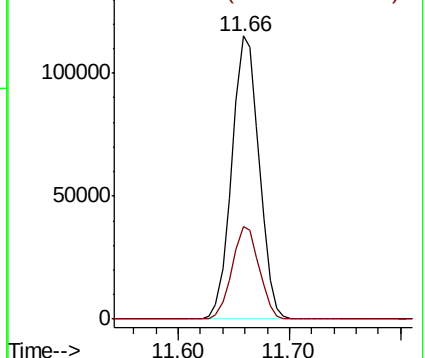
112 100

114 32.7 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 67.276 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

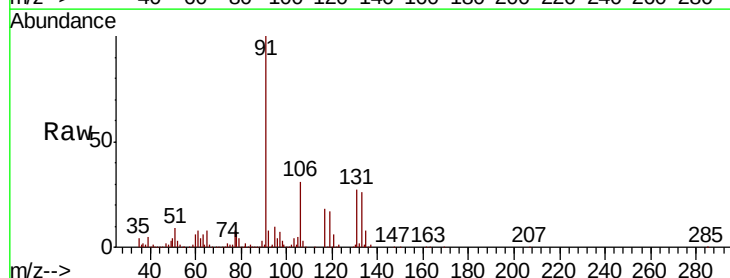
Tgt Ion:131 Resp: 81653

Ion Ratio Lower Upper

131 100

133 96.6 48.1 144.3

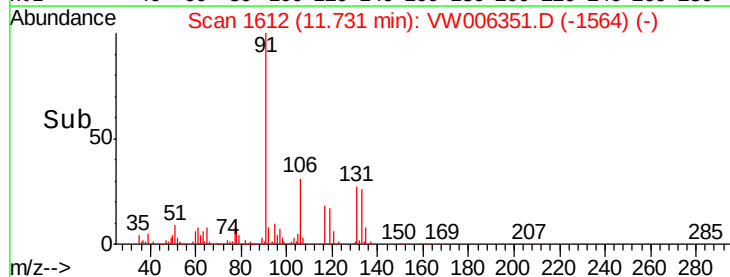
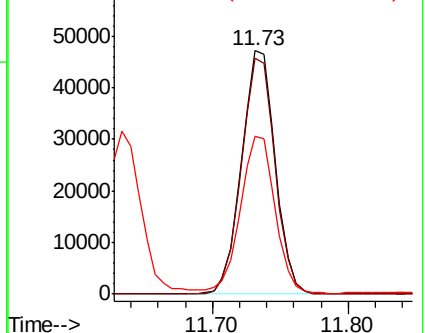
119 66.1 31.6 94.7

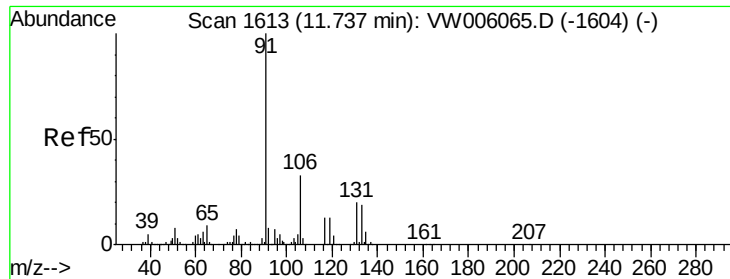


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

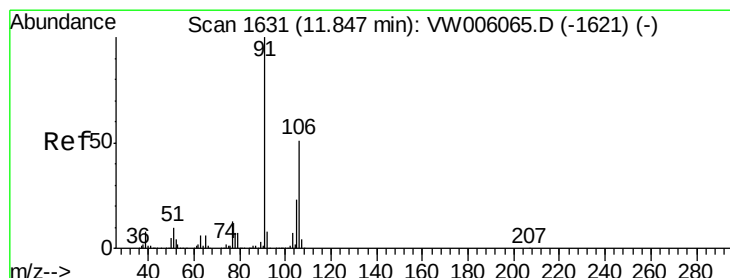
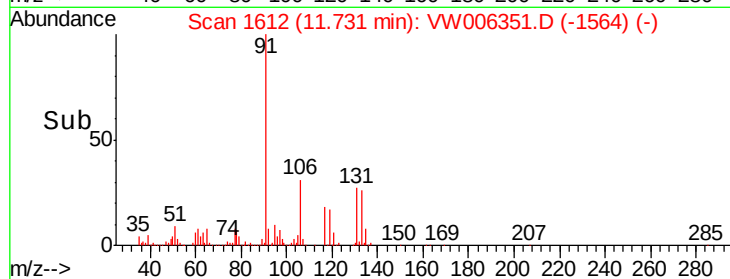
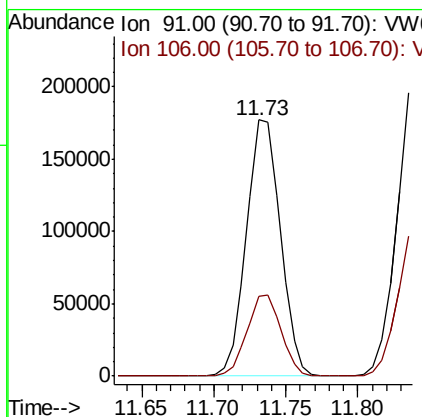
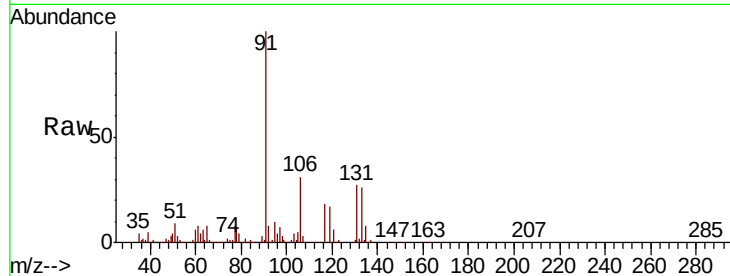




#67
Ethyl Benzene
Concen: 48.902 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

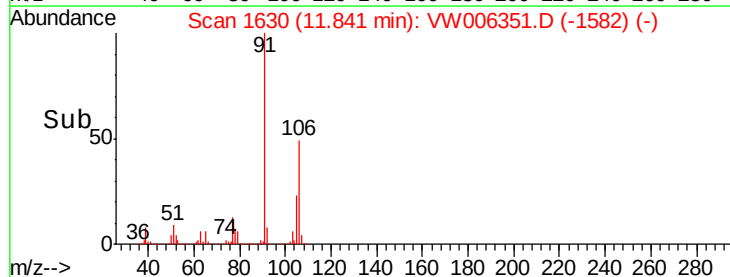
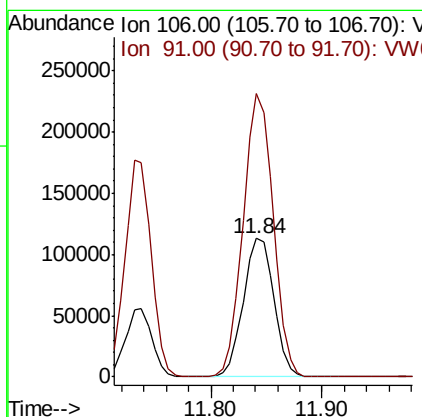
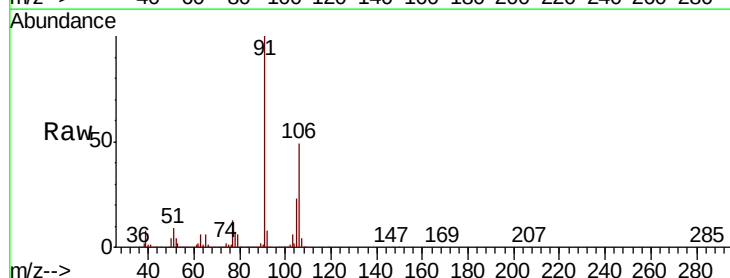
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

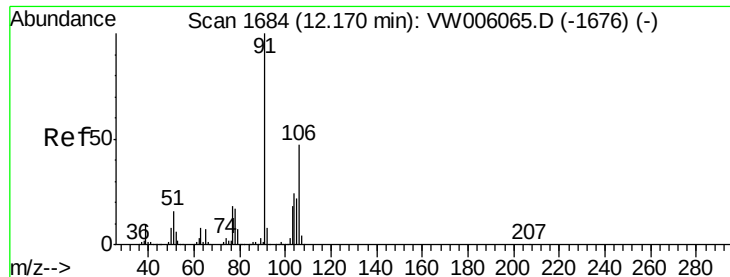
Tot Ion: 91 Resp: 289433
Ion Ratio Lower Upper
91 100
106 31.0 26.1 39.1



#68
m/p-Xylenes
Concen: 92.520 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 106 Resp: 216438
Ion Ratio Lower Upper
106 100
91 200.5 159.1 238.7

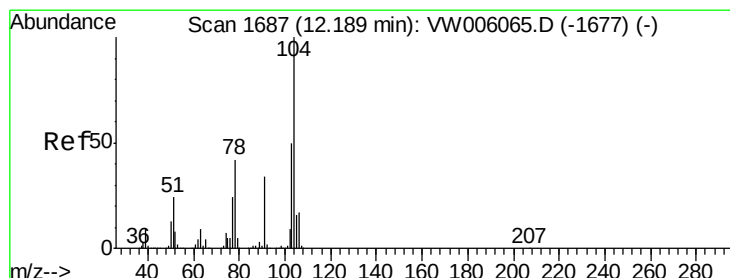
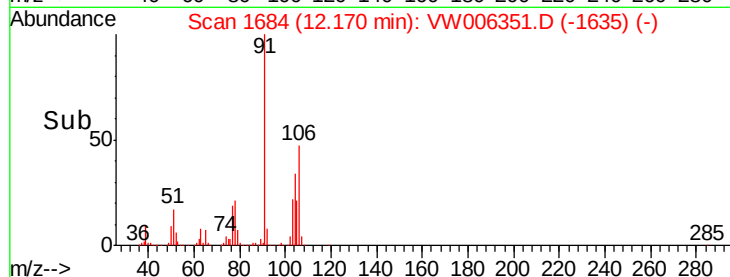
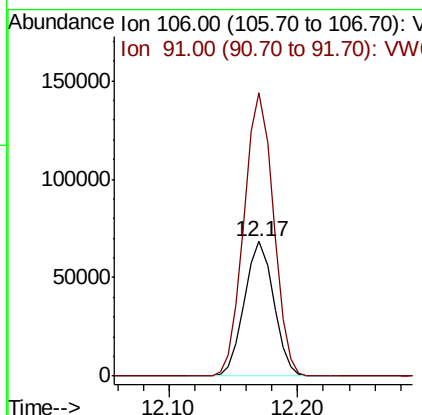
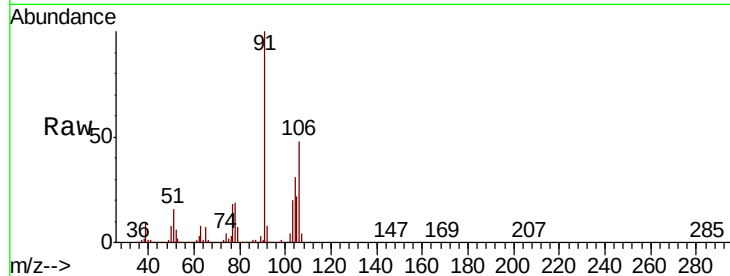




#69
o-Xylene
Concen: 48.479 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

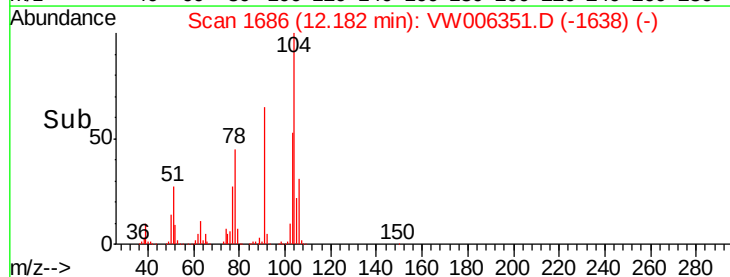
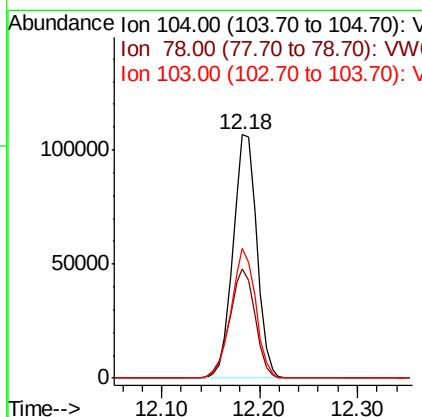
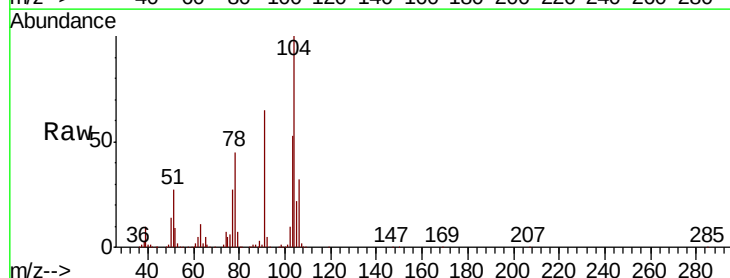
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

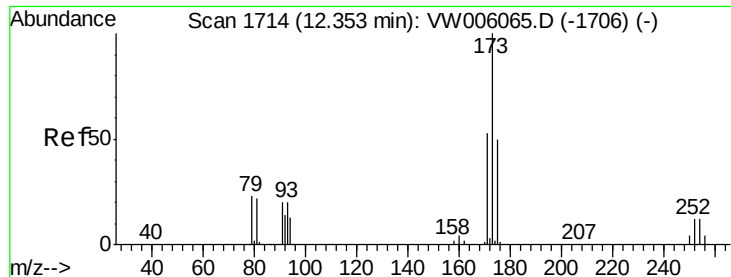
Tot Ion:106 Resp: 108084
Ion Ratio Lower Upper
106 100
91 211.3 105.4 316.1



#70
Styrene
Concen: 49.672 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion:104 Resp: 180083
Ion Ratio Lower Upper
104 100
78 48.0 39.1 58.7
103 54.9 44.3 66.5

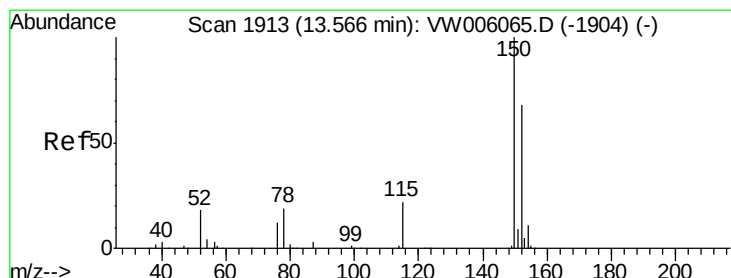
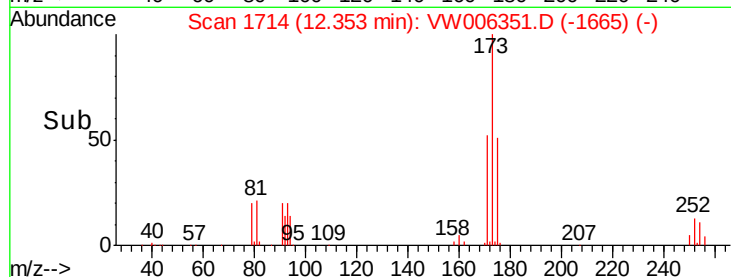
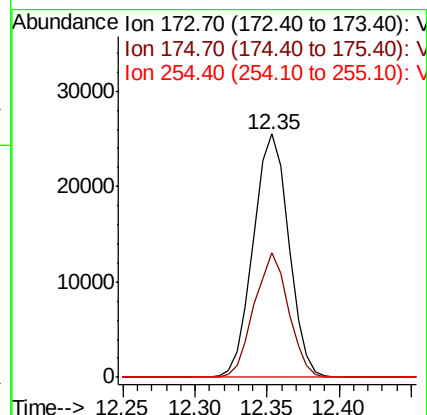
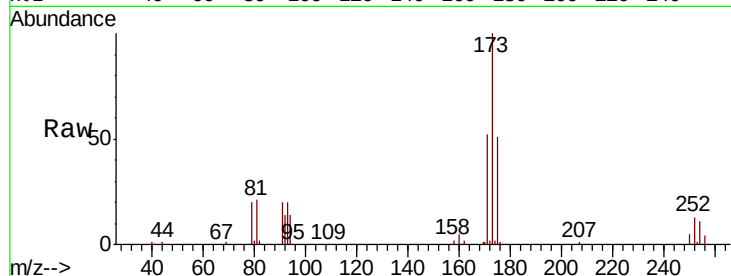




#71
Bromoform
Concen: 64.123 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

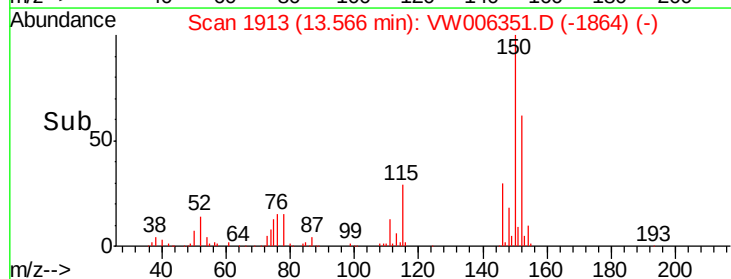
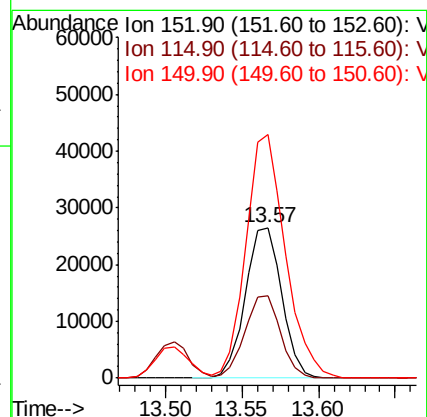
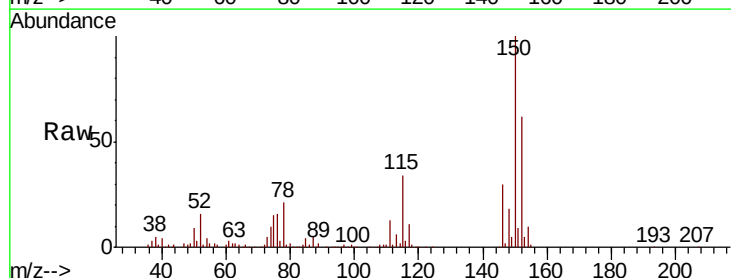
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

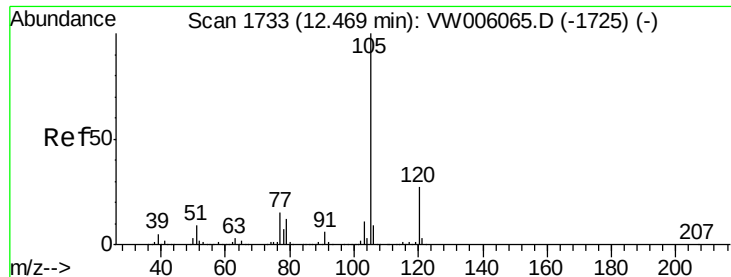
Tot Ion:173 Resp: 43409
Ion Ratio Lower Upper
173 100
175 49.6 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion:152 Resp: 43762
Ion Ratio Lower Upper
152 100
115 54.2 27.8 83.3
150 175.4 0.0 349.2





#73

Isopropylbenzene

Concen: 72.842 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

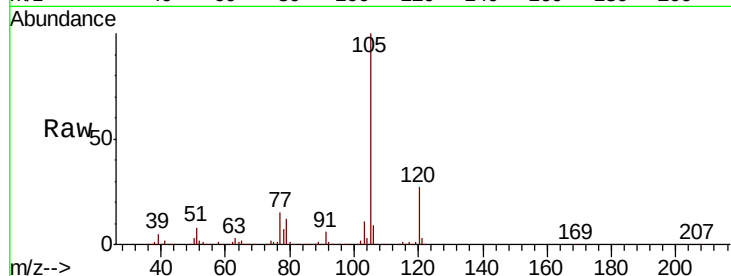
PA-SB-01BMSD

Tot Ion:105 Resp: 225201

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

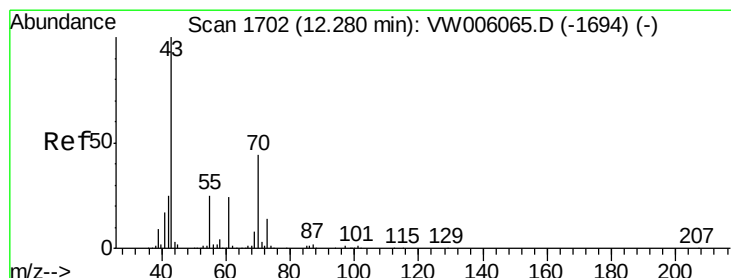
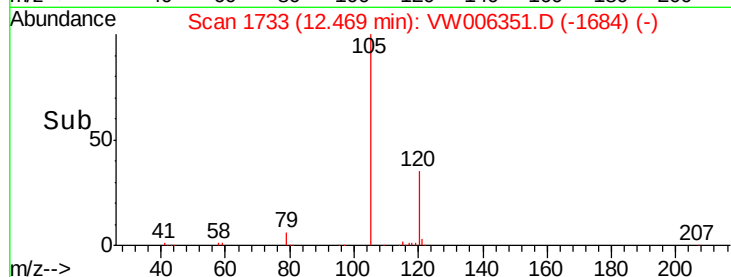
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 6.205 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Tgt Ion: 43 Resp: 3726

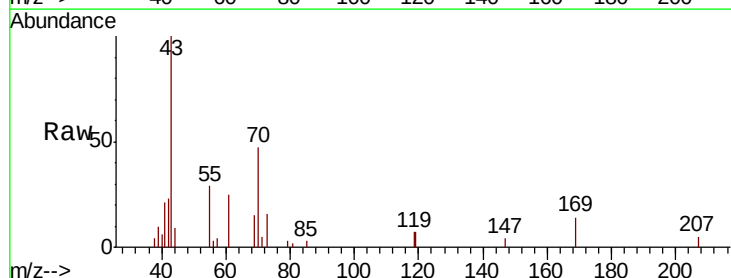
Ion Ratio Lower Upper

43 100

70 43.1 34.2 51.4

55 26.0 19.2 28.8

61 22.0 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

3000

2000

1000

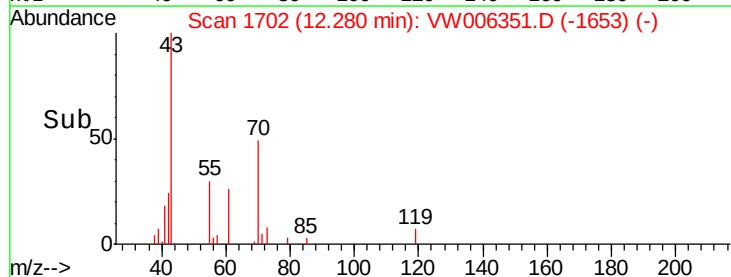
0

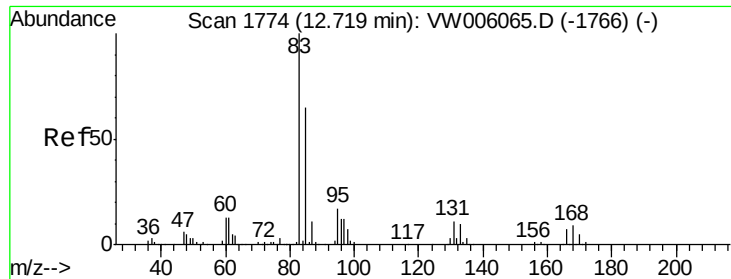
12.28

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 147.674 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

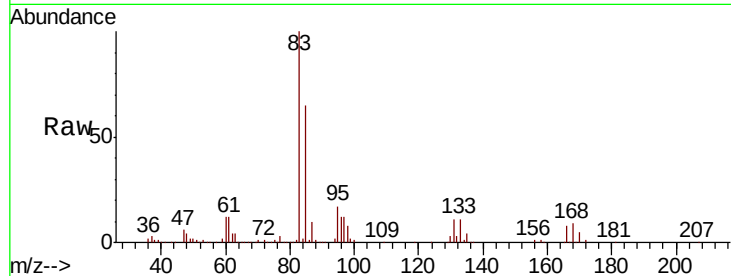
Tot Ion: 83 Resp: 69440

Ion Ratio Lower Upper

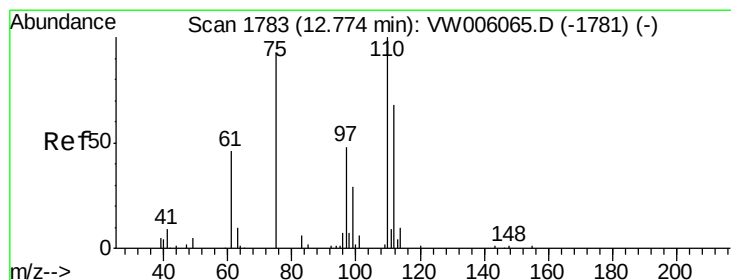
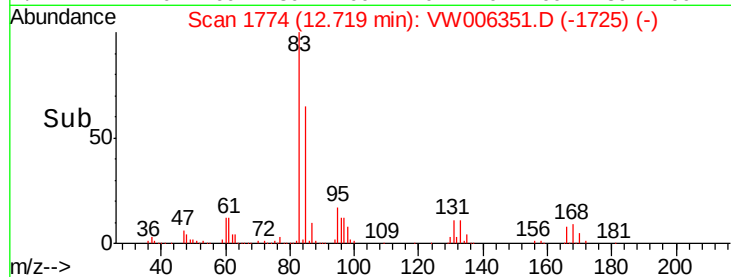
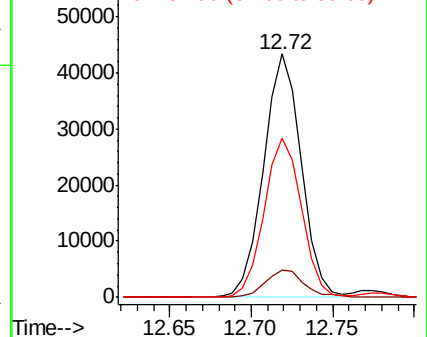
83 100

131 11.9 5.9 17.7

85 65.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 261.626 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006351.D

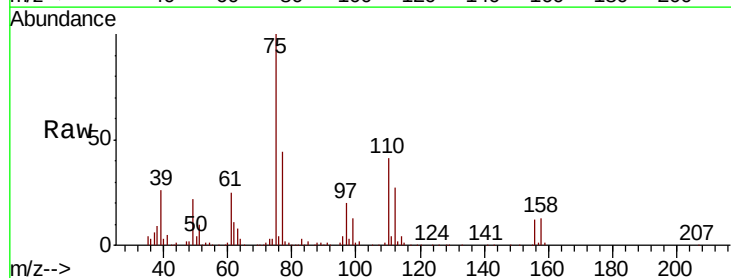
Acq: 25 Oct 2018 07:30

Tgt Ion: 75 Resp: 87450

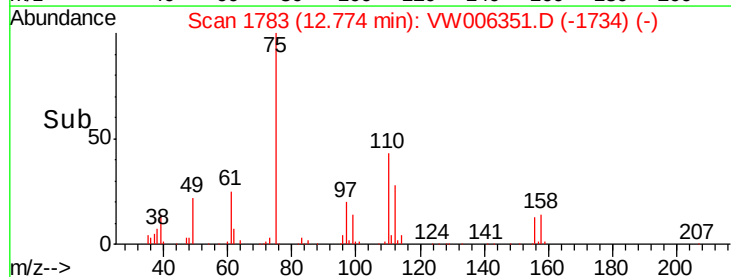
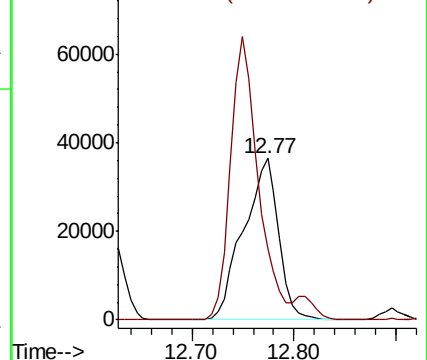
Ion Ratio Lower Upper

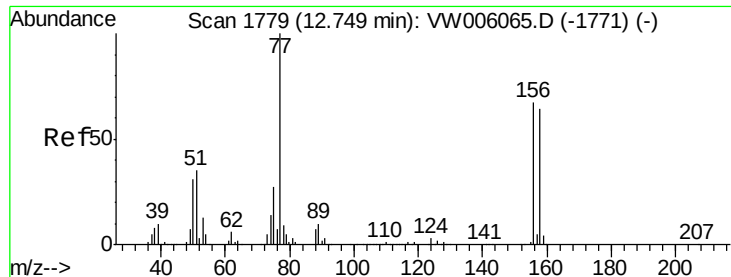
75 100

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

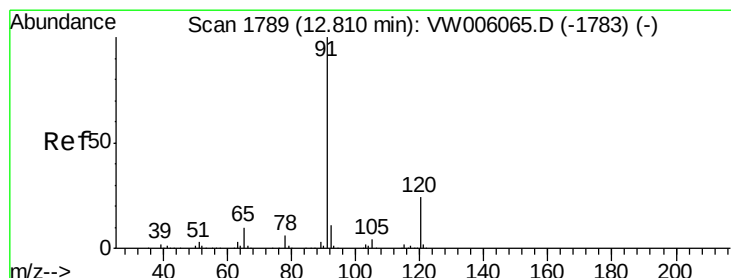
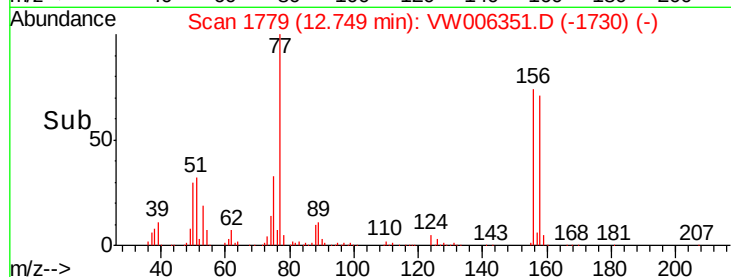
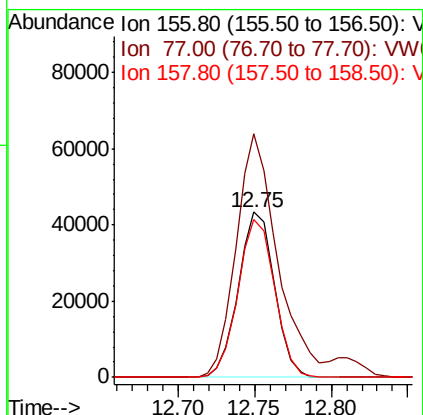
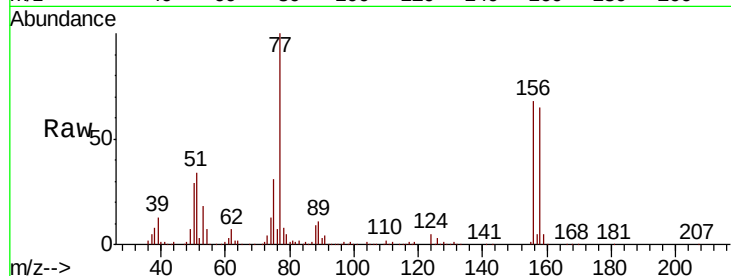




#77
Bromobenzene
Concen: 93.887 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

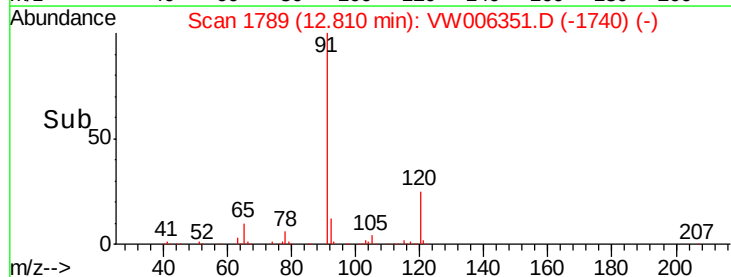
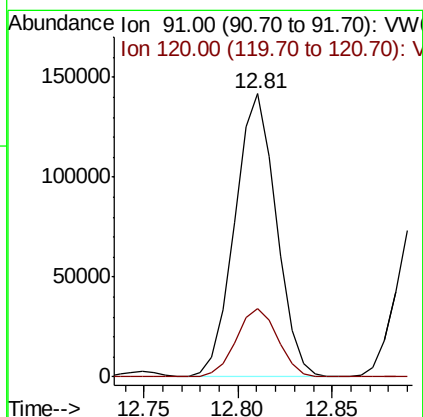
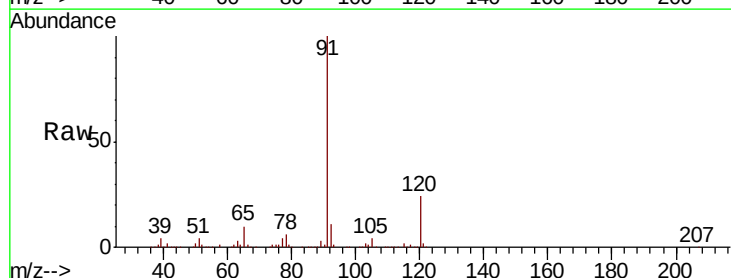
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

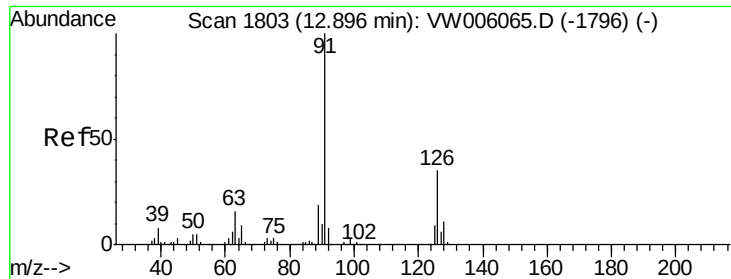
Tot Ion:156 Resp: 71096
Ion Ratio Lower Upper
156 100
77 170.1 79.1 237.4
158 97.0 48.5 145.6



#78
n-propylbenzene
Concen: 60.311 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion: 91 Resp: 216932
Ion Ratio Lower Upper
91 100
120 24.3 12.2 36.6





#79

2-Chlorotoluene

Concen: 69.539 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

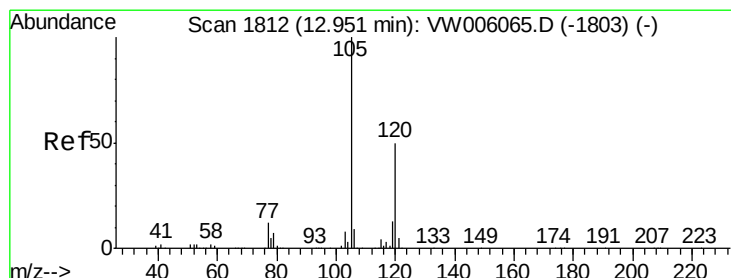
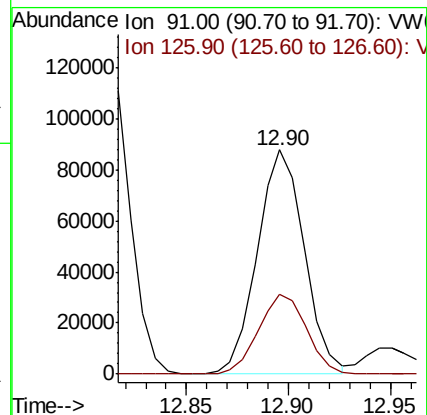
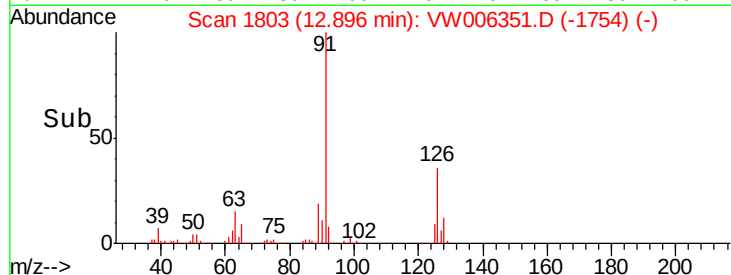
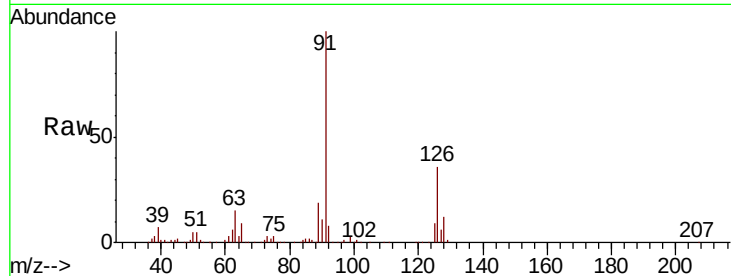
PA-SB-01BMSD

Tot Ion: 91 Resp: 140534

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 59.894 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006351.D

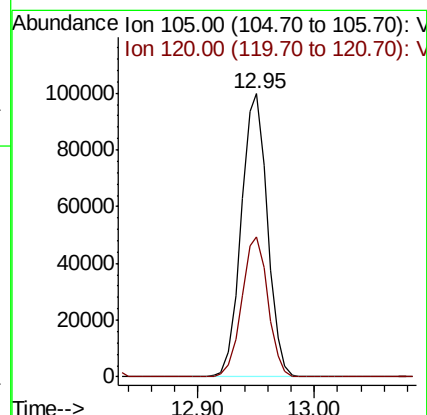
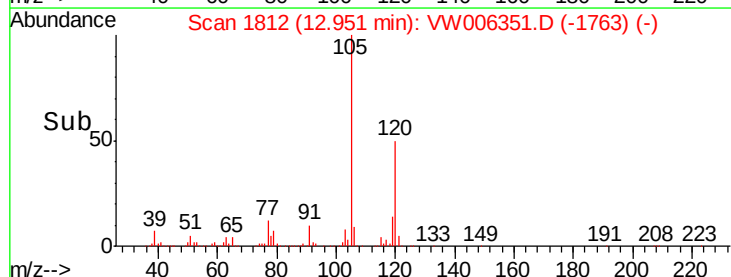
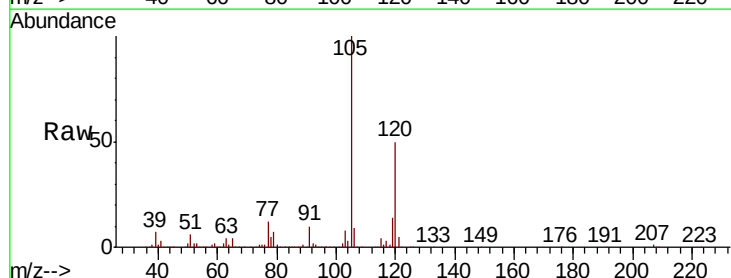
Acq: 25 Oct 2018 07:30

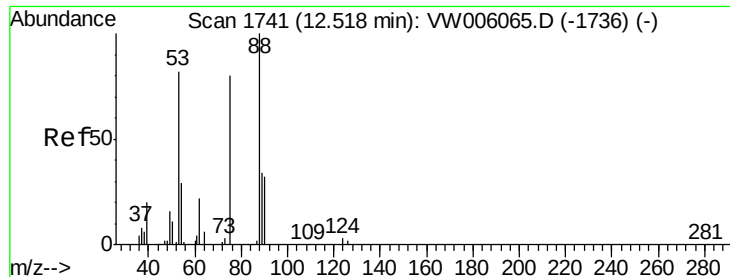
Tgt Ion:105 Resp: 156103

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 131.257 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

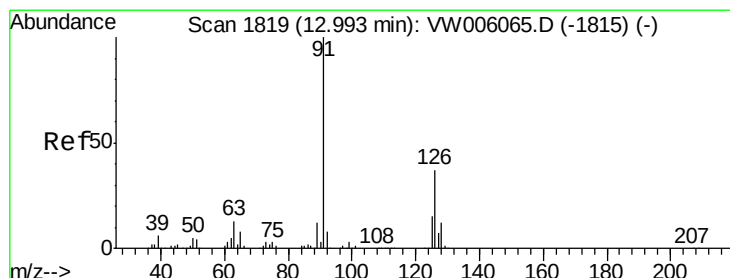
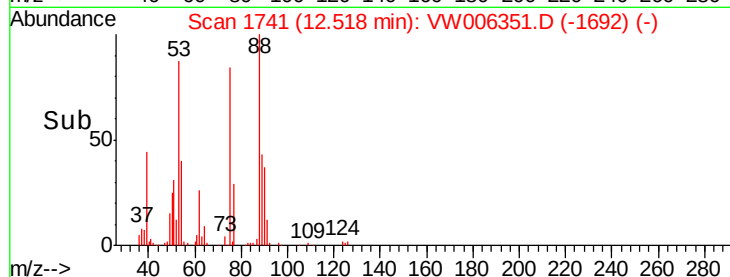
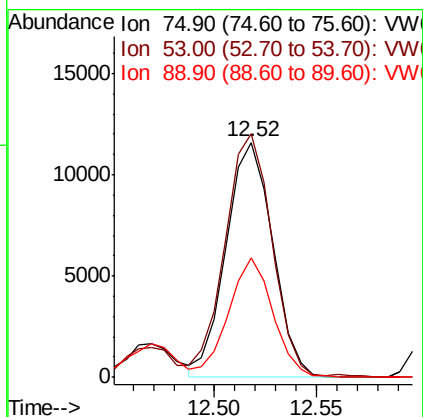
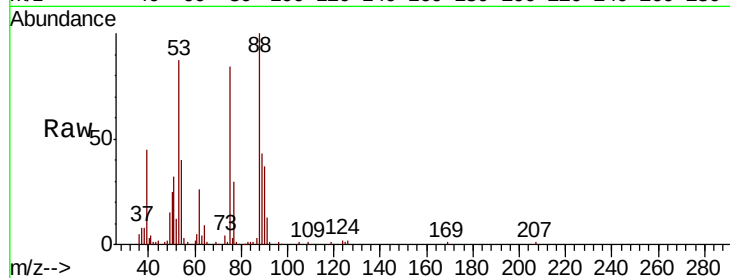
Tot Ion: 75 Resp: 18354

Ion Ratio Lower Upper

75 100

53 106.3 79.8 119.6

89 48.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 67.032 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006351.D

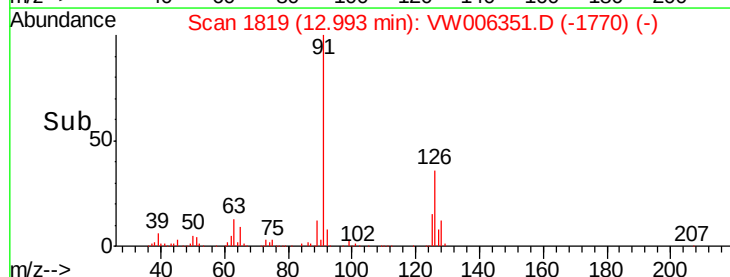
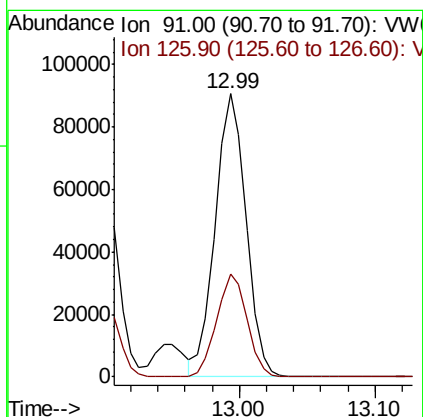
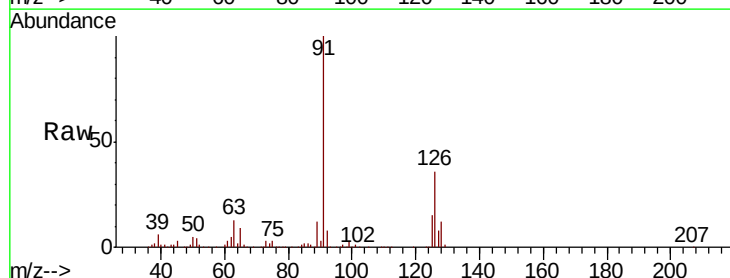
Acq: 25 Oct 2018 07:30

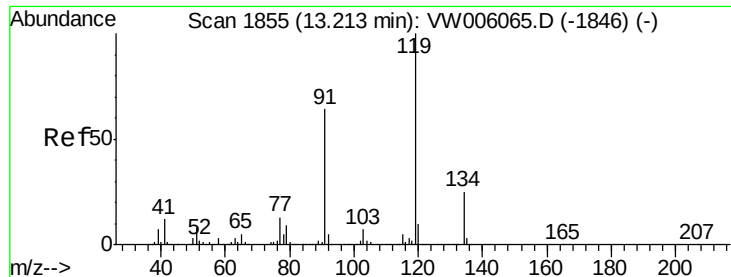
Tgt Ion: 91 Resp: 141906

Ion Ratio Lower Upper

91 100

126 36.1 18.1 54.3

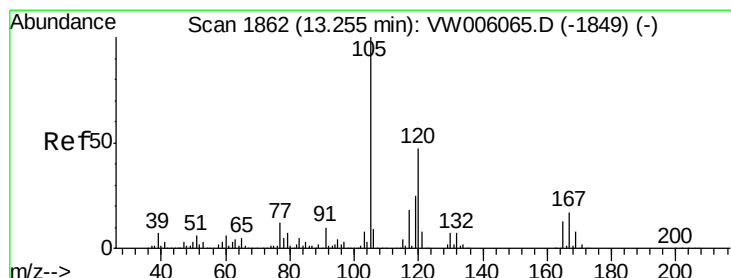
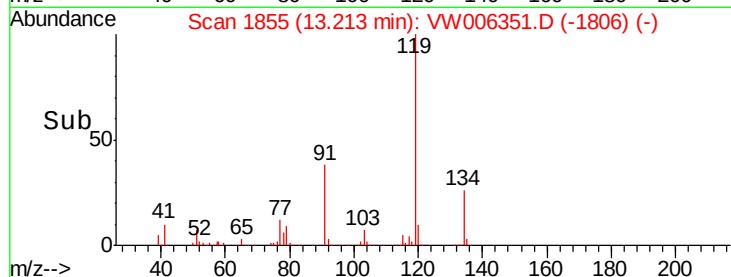
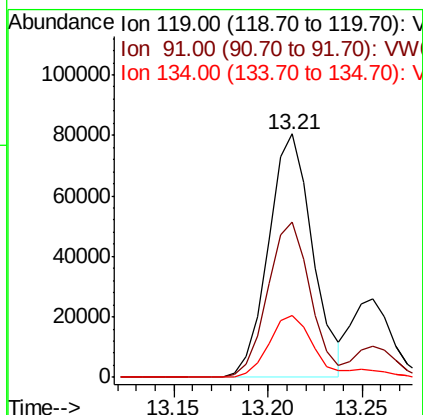
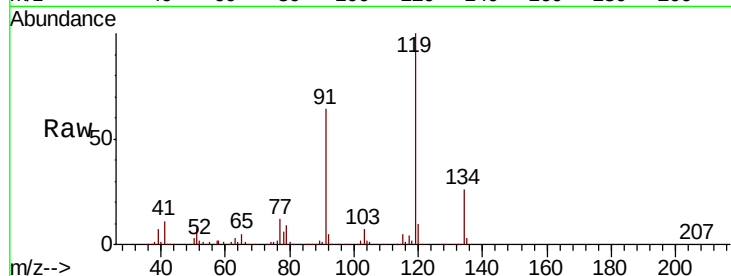




#83
 tert-Butylbenzene
 Concen: 55.972 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

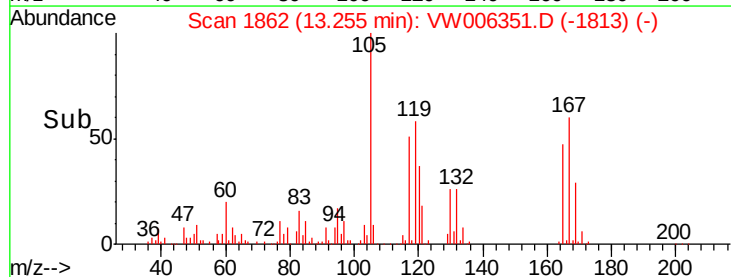
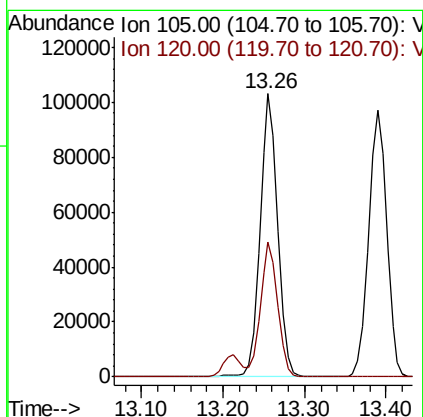
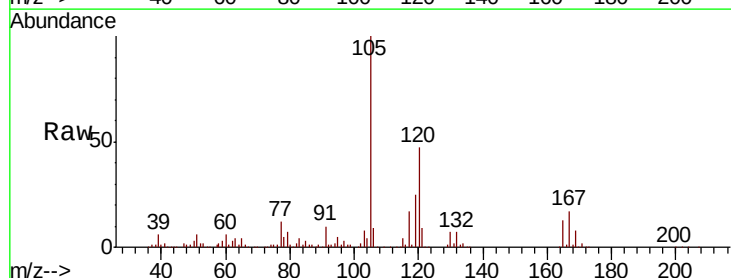
Instrument :
 MSVOA_W
 ClientSampleID :
 PA-SB-01BMSD

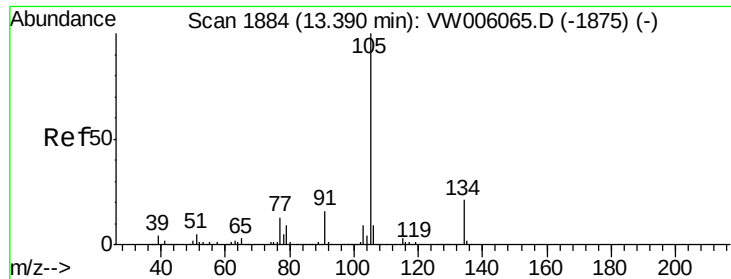
Tot Ion:119 Resp: 130521
 Ion Ratio Lower Upper
 119 100
 91 61.6 32.3 96.9
 134 25.5 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 59.375 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion:105 Resp: 156593
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.3





#85

sec-Butylbenzene

Concen: 44.610 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

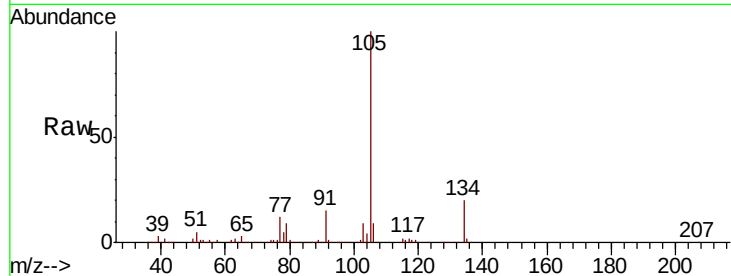
PA-SB-01BMSD

Tot Ion:105 Resp: 146961

Ion Ratio Lower Upper

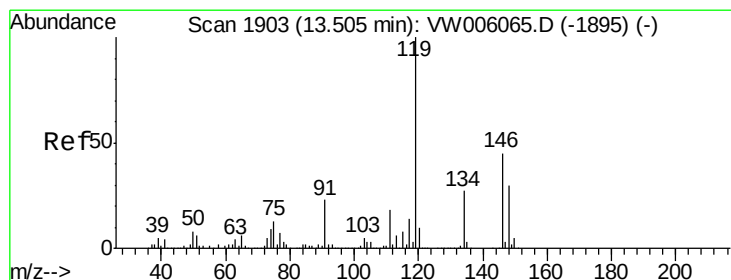
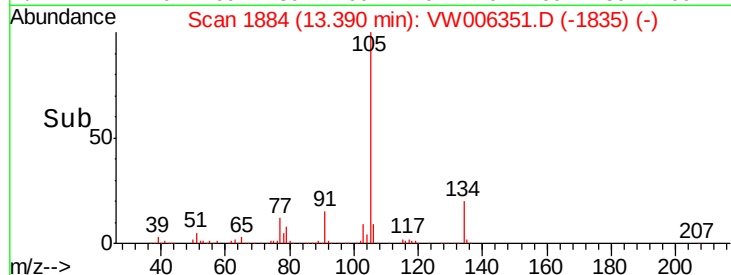
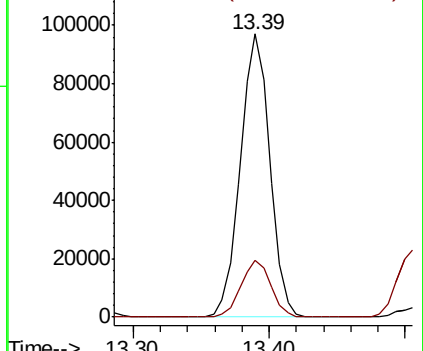
105 100

134 20.4 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: 42.558 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

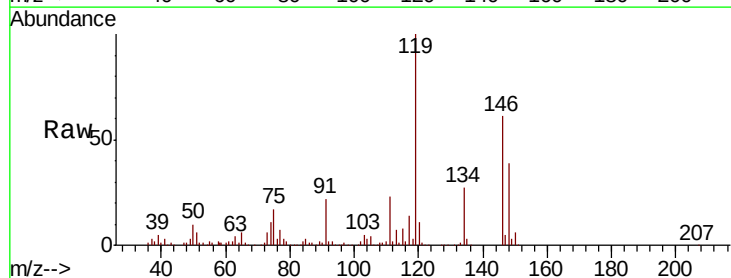
Tgt Ion:119 Resp: 126811

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

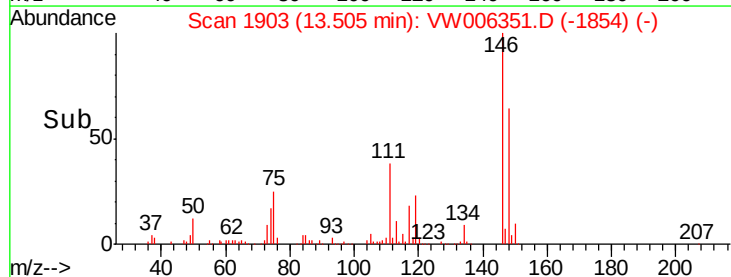
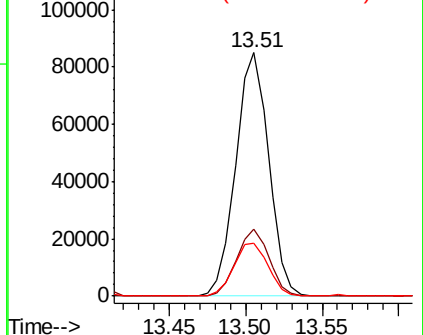
91 22.9 11.4 34.1

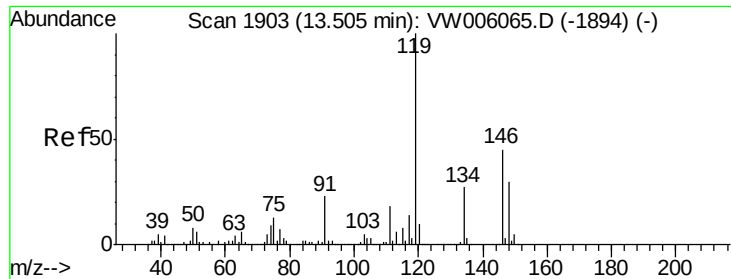


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.268 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

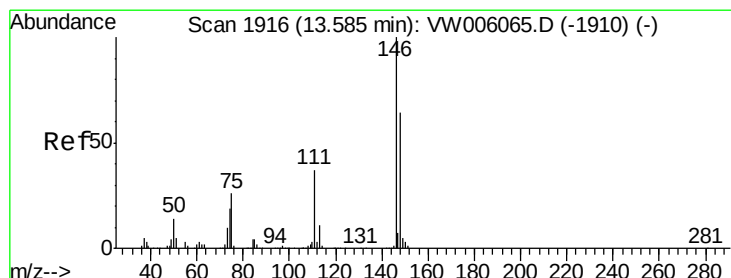
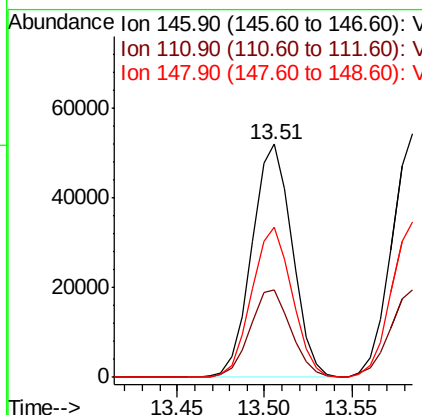
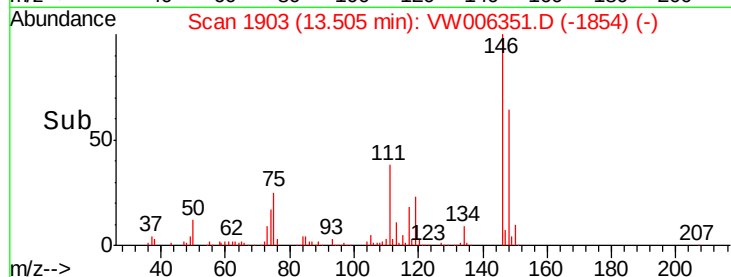
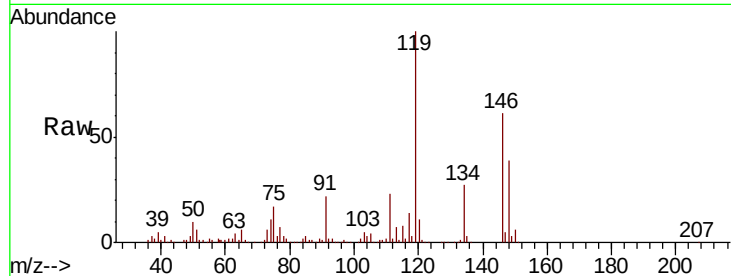
Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion:146 Resp: 83291

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.2	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 56.024 ug/l

RT: 13.58 min Scan# 1916

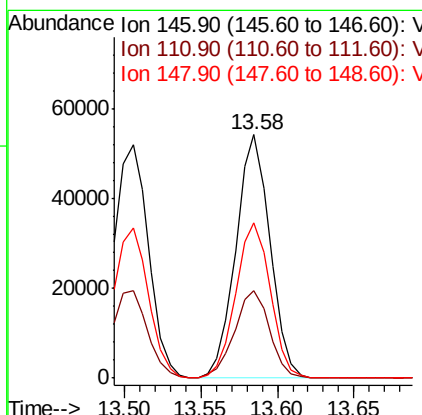
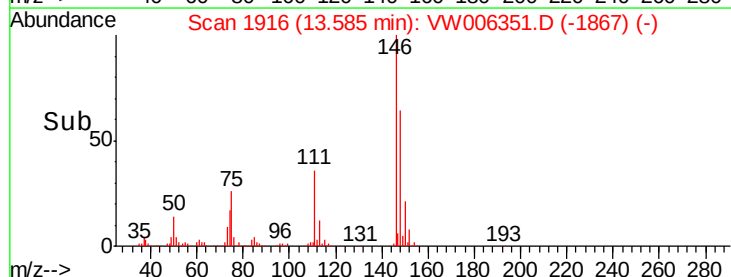
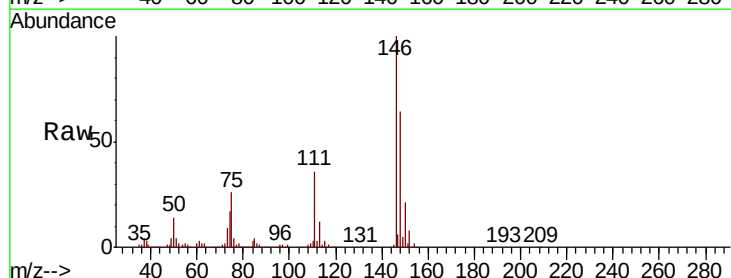
Delta R.T. 0.00 min

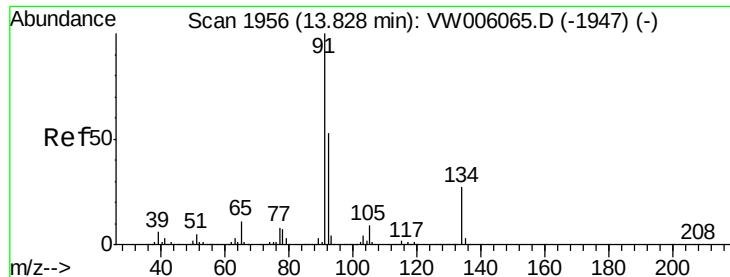
Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Tgt Ion:146 Resp: 84065

Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	56.0
148	64.3	32.1	96.5





#89

n-Butylbenzene

Concen: 33.765 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006351.D

Acq: 25 Oct 2018 07:30

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

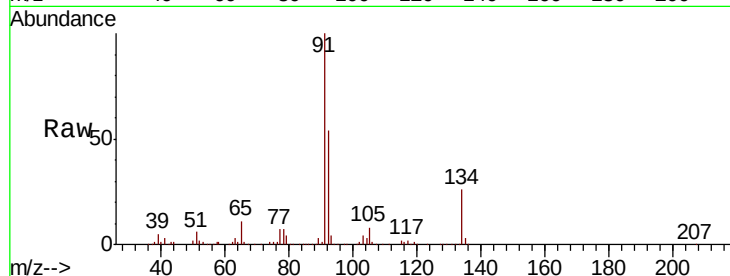
Tot Ion: 91 Resp: 92012

Ion Ratio Lower Upper

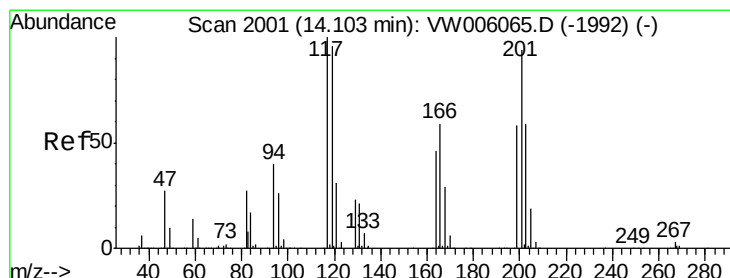
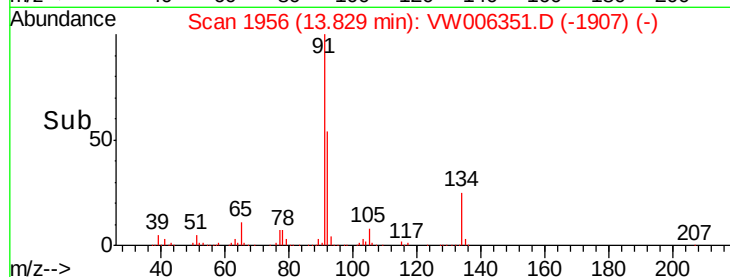
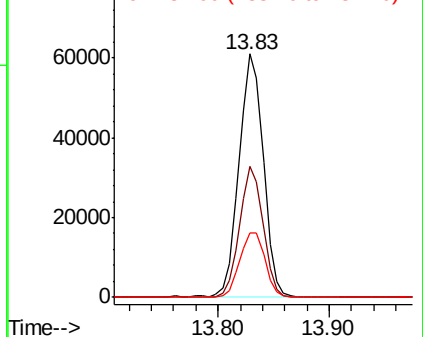
91 100

92 52.1 26.6 79.7

134 27.8 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 38.647 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006351.D

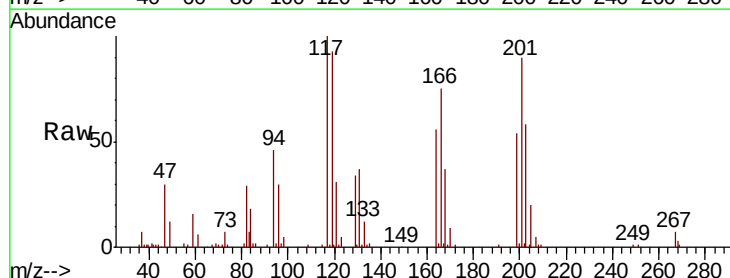
Acq: 25 Oct 2018 07:30

Tgt Ion: 117 Resp: 19506

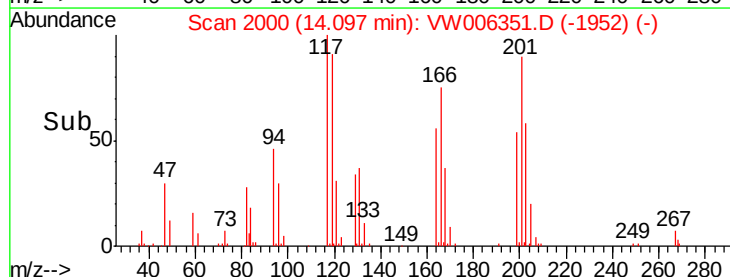
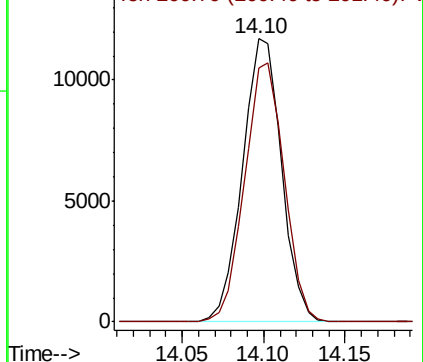
Ion Ratio Lower Upper

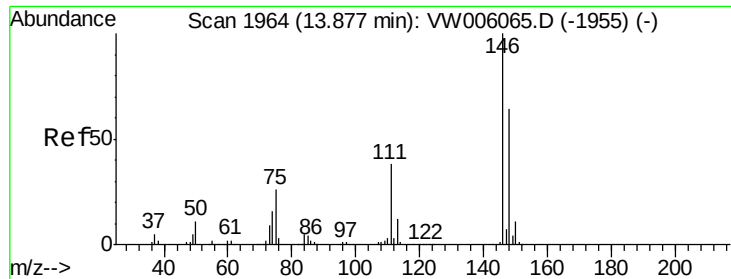
117 100

201 92.6 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

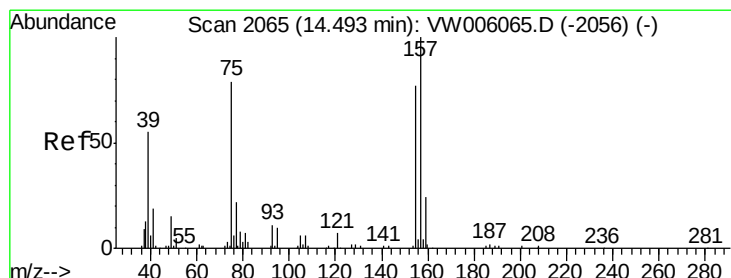
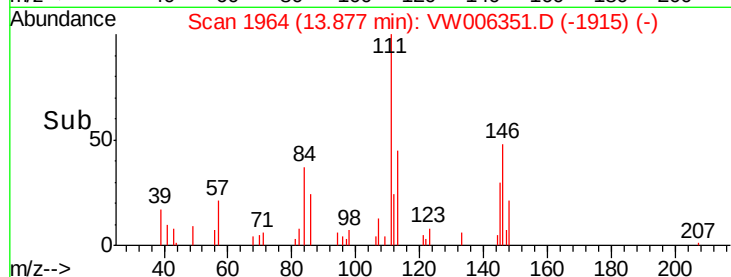
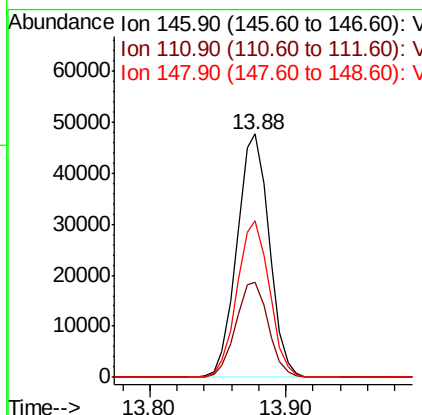
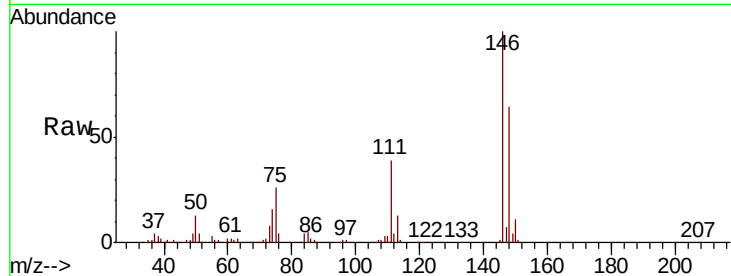




#91
 1,2-Dichlorobenzene
 Concen: 58.665 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

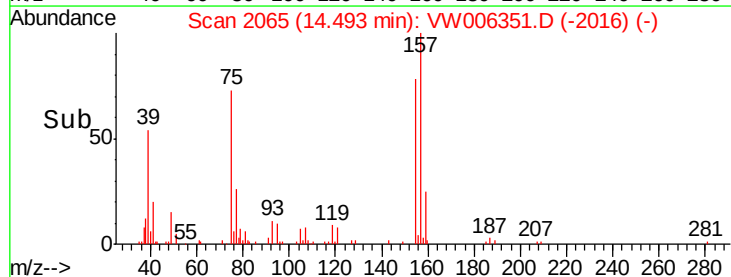
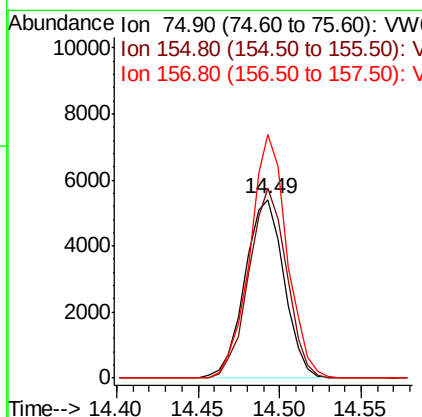
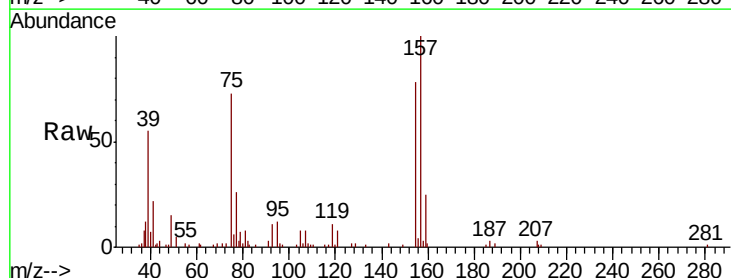
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

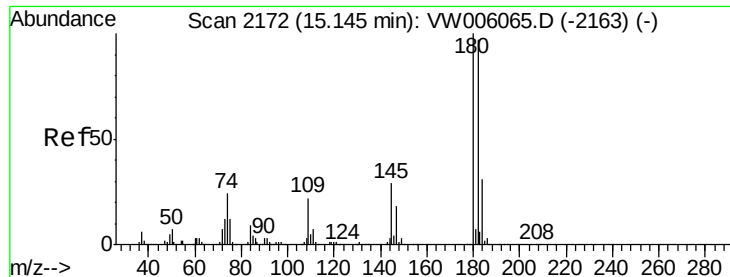
Tot Ion:146 Resp: 78862
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.6 58.7
 148 64.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.650 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion: 75 Resp: 9063
 Ion Ratio Lower Upper
 75 100
 155 101.7 46.5 139.5
 157 129.1 59.8 179.4

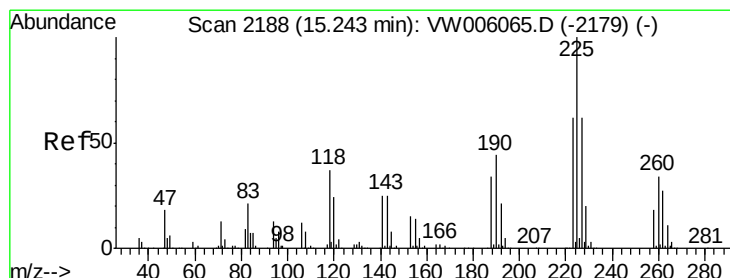
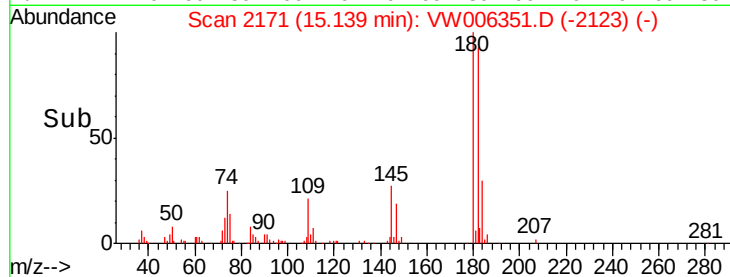
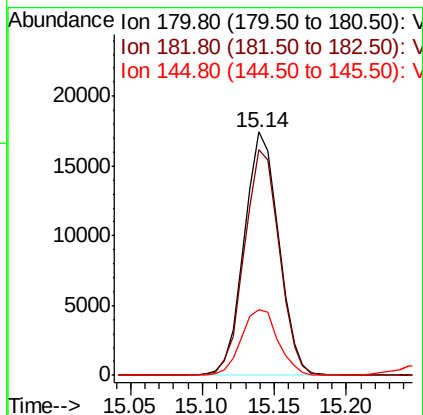
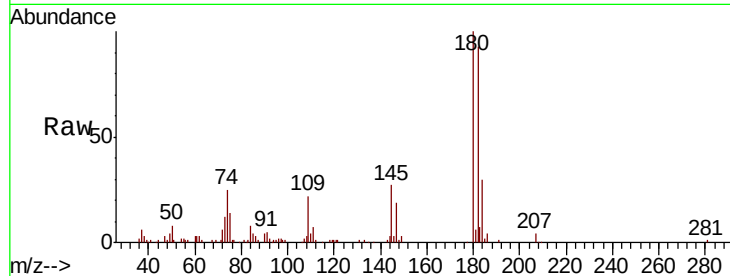




#93
 1,2,4-Trichlorobenzene
 Concen: 28.021 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

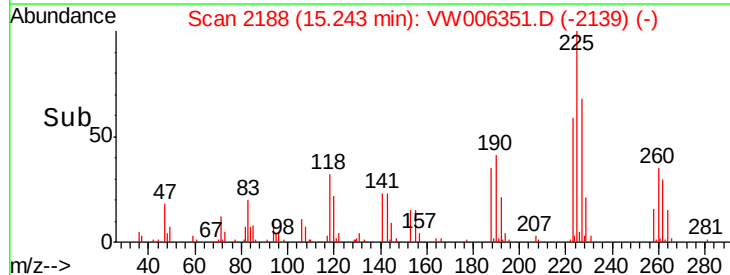
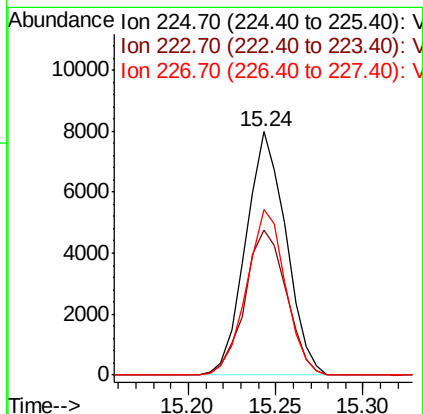
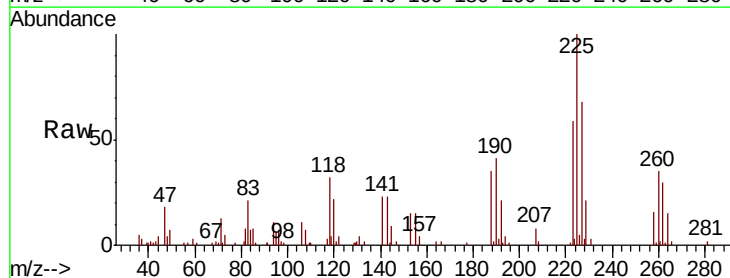
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

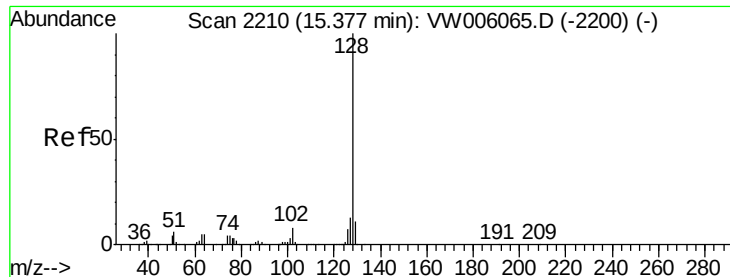
Tot Ion:180 Resp: 28984
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.9 143.6
 145 28.8 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 19.686 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006351.D
 Acq: 25 Oct 2018 07:30

Tgt Ion:225 Resp: 12791
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.5
 227 65.5 32.4 97.0

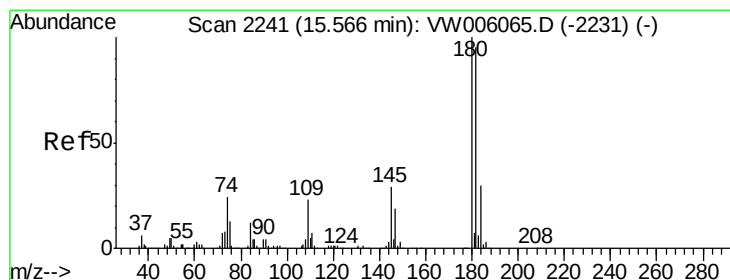
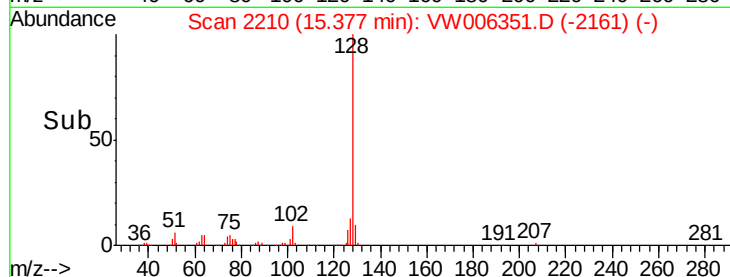
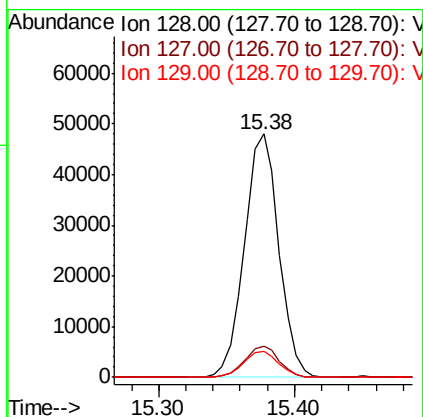
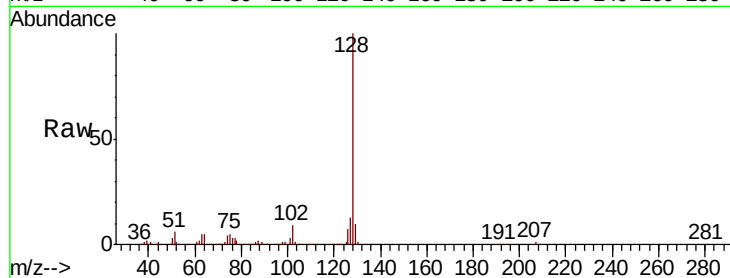




#95
Naphthalene
Concen: 49.419 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion:128 Resp: 85032
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 24.111 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006351.D
Acq: 25 Oct 2018 07:30

Tgt Ion:180 Resp: 21571
Ion Ratio Lower Upper
180 100
182 98.0 47.8 143.3
145 31.7 15.0 45.1

