

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006469.D
 Acq On : 29 Oct 2018 23:43
 Operator : SY/AP
 Sample : VW1031SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

Quant Time: Oct 30 05:37:07 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	196977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	280622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	84673	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.88	113	90369	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
50) Toluene-d8	10.32	98	331714	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	12.62	95	124857	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	16934	17.373	ug/l	100
3) Chloromethane	2.21	50	24825	19.785	ug/l	98
4) Vinyl Chloride	2.37	62	36518	20.380	ug/l	99
5) Bromomethane	2.79	94	35036	21.497	ug/l	98
6) Chloroethane	2.93	64	28335	22.066	ug/l	94
7) Trichlorofluoromethane	3.26	101	34378	20.595	ug/l	99
8) Diethyl Ether	3.68	74	18765	21.152	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38232	21.855	ug/l	98
10) Methyl Iodide	4.26	142	63443	21.789	ug/l	97
11) Tert butyl alcohol	5.23	59	11715	106.665	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	35882	21.802	ug/l	89
13) Acrolein	3.90	56	9958	93.700	ug/l	97
14) Allyl chloride	4.66	41	47123	20.025	ug/l	99
15) Acrylonitrile	5.38	53	36580	114.960	ug/l	99
16) Acetone	4.14	43	37473	114.276	ug/l	97
17) Carbon Disulfide	4.37	76	90793	18.279	ug/l	99
18) Methyl Acetate	4.68	43	18930	23.034	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	54052	21.563	ug/l	98
20) Methylene Chloride	4.92	84	43779	24.506	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	41315	22.490	ug/l	96
22) Diisopropyl ether	6.31	45	101954	21.924	ug/l	99
23) Vinyl Acetate	6.26	43	280721	102.288	ug/l	98
24) 1,1-Dichloroethane	6.21	63	69687	23.224	ug/l	98
25) 2-Butanone	7.18	43	51471	116.670	ug/l	97
26) 2,2-Dichloropropane	7.17	77	44691	21.117	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	46721	23.047	ug/l	97
28) Bromochloromethane	7.51	49	22697	19.593	ug/l	92
29) Tetrahydrofuran	7.54	42	30201	111.371	ug/l	99
30) Chloroform	7.68	83	75903	23.217	ug/l	99
31) Cyclohexane	7.96	56	57484	19.237	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	63757	21.619	ug/l	99
36) 1,1-Dichloropropene	8.09	75	57278	22.145	ug/l	99
37) Ethyl Acetate	7.26	43	21431	22.301	ug/l	100
38) Carbon Tetrachloride	8.07	117	60569	21.361	ug/l	95

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Instrument :
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 ClientSampleId :
 VW1031SBS01

Quant Time: Oct 30 05:37:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	69422	20.191	ug/l	98
40) Benzene	8.32	78	164173	23.139	ug/l	99
41) Methacrylonitrile	7.49	41	13223	22.825	ug/l	98
42) 1,2-Dichloroethane	8.40	62	47303	22.692	ug/l	99
43) Isopropyl Acetate	8.43	43	42511	21.635	ug/l	99
44) Trichloroethene	9.09	130	50426	23.166	ug/l	95
45) 1,2-Dichloropropane	9.37	63	38059	22.417	ug/l	97
46) Dibromomethane	9.46	93	22290	23.035	ug/l	97
47) Bromodichloromethane	9.65	83	50804	21.655	ug/l	98
48) Methyl methacrylate	9.44	41	19689	21.139	ug/l	95
49) 1,4-Dioxane	9.48	88	7275	488.355	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	109592	111.318	ug/l	99
52) Toluene	10.39	92	109145	22.945	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	49238	21.065	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	57172	21.312	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32757	24.190	ug/l	96
56) Ethyl methacrylate	10.65	69	35776	21.551	ug/l	94
57) 1,3-Dichloropropane	10.93	76	53498	23.865	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	70329	110.871	ug/l	98
59) 2-Hexanone	10.98	43	74542	106.069	ug/l	97
60) Dibromochloromethane	11.13	129	38052	22.560	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31707	23.434	ug/l	100
64) Tetrachloroethene	10.87	164	47764	23.230	ug/l	98
65) Chlorobenzene	11.66	112	130310	22.982	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45147	22.405	ug/l	99
67) Ethyl Benzene	11.74	91	216854	22.069	ug/l	99
68) m/p-Xylenes	11.84	106	171150	44.067	ug/l	99
69) o-Xylene	12.17	106	80861	21.846	ug/l	97
70) Styrene	12.19	104	131600	21.864	ug/l	99
71) Bromoform	12.35	173	23375	20.798	ug/l #	98
73) Isopropylbenzene	12.47	105	224654	21.230	ug/l	99
74) N-amyl acetate	12.28	43	38839	18.897	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.72	83	37114	23.060	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	45802	40.035	ug/l #	100
77) Bromobenzene	12.75	156	58340	22.509	ug/l	97
78) n-propylbenzene	12.81	91	264858	21.514	ug/l	99
79) 2-Chlorotoluene	12.90	91	150010	21.687	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	191724	21.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9290	19.410	ug/l	97
82) 4-Chlorotoluene	12.99	91	158744	21.908	ug/l	98
83) tert-Butylbenzene	13.21	119	170262	21.332	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	196357	21.752	ug/l	99
85) sec-Butylbenzene	13.39	105	243845	21.626	ug/l	100
86) p-Isopropyltoluene	13.51	119	216914	21.269	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	116441	22.574	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	116516	22.687	ug/l	99
89) n-Butylbenzene	13.83	91	197598	21.185	ug/l	99
90) Hexachloroethane	14.10	117	35186	20.368	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	103082	22.404	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5594	19.413	ug/l	92

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ClientSampleId :
VW1031SBS01

Quant Time: Oct 30 05:37:07 2018
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

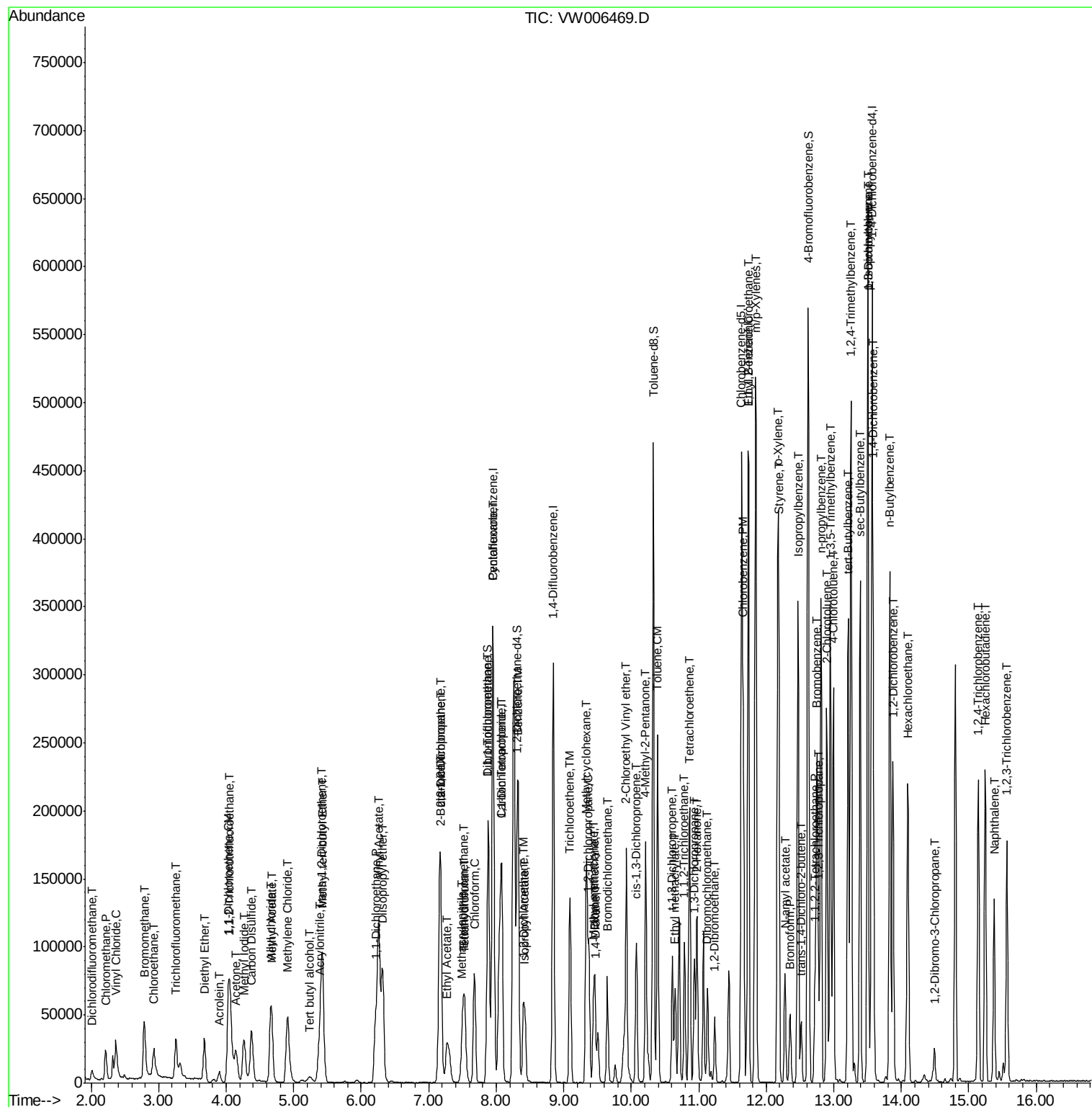
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	77017	21.754	ug/l	100
94) Hexachlorobutadiene	15.24	225	48877	21.977	ug/l	99
95) Naphthalene	15.38	128	122202	20.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	67364	21.999	ug/l	99

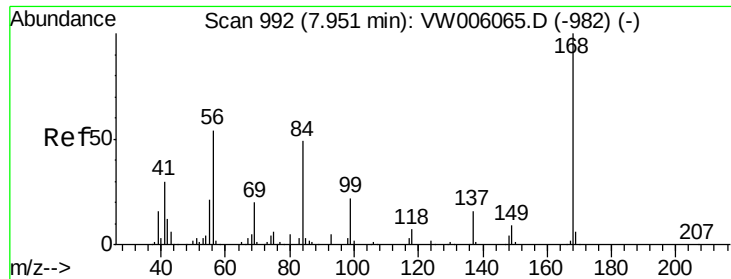
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VW006469.D
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Sample : VW1031SBS01
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ALS Vial : 30 Sample Multiplier: 1

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Quant Time: Oct 30 05:37:07 2018
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

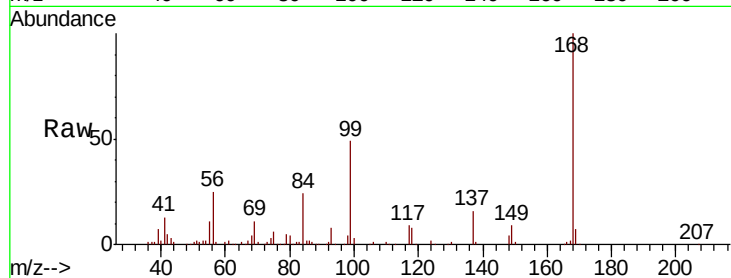
VW1031SBS01

Tot Ion:168 Resp: 196977

Ion Ratio Lower Upper

168 100

99 48.9 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

100000

80000

60000

40000

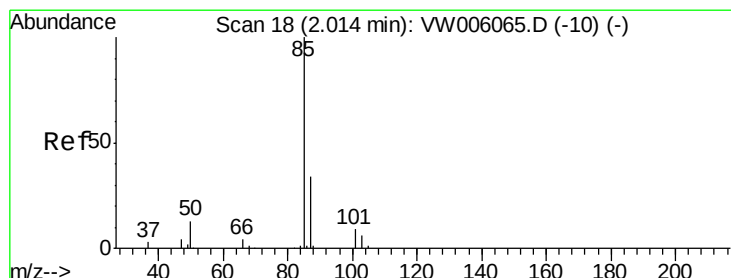
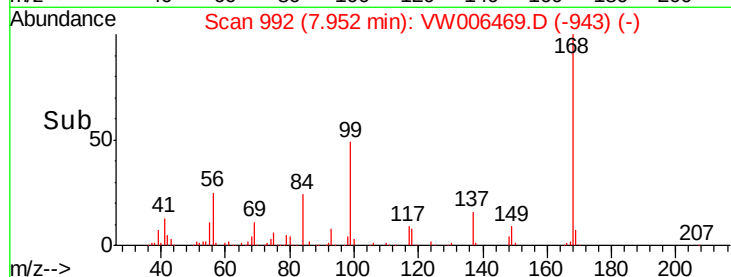
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 17.373 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006469.D

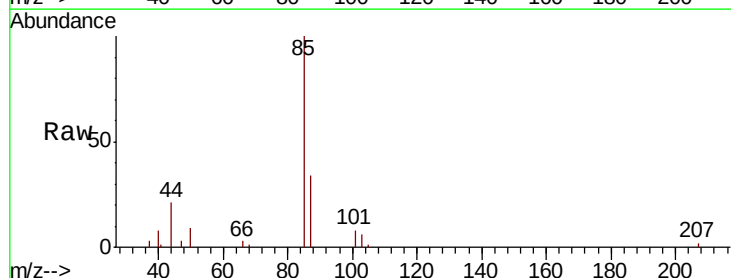
Acq: 29 Oct 2018 23:43

Tgt Ion: 85 Resp: 16934

Ion Ratio Lower Upper

85 100

87 33.8 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

5000

4000

3000

2000

1000

0

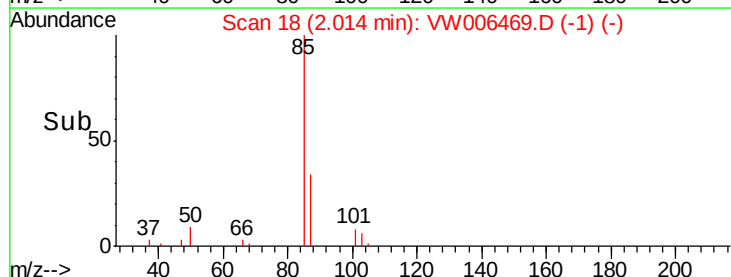
1.90

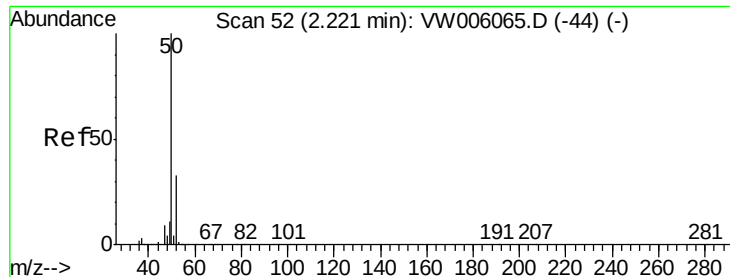
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 19.785 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

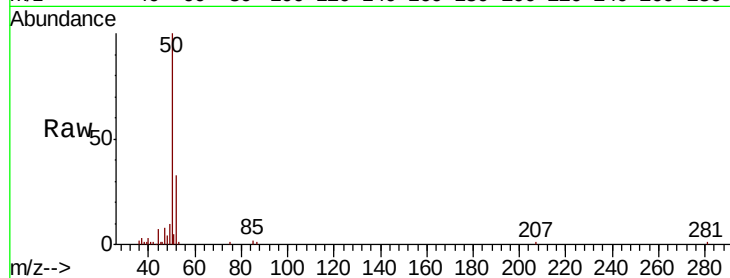
VW1031SBS01

Tot Ion: 50 Resp: 24825

Ion Ratio Lower Upper

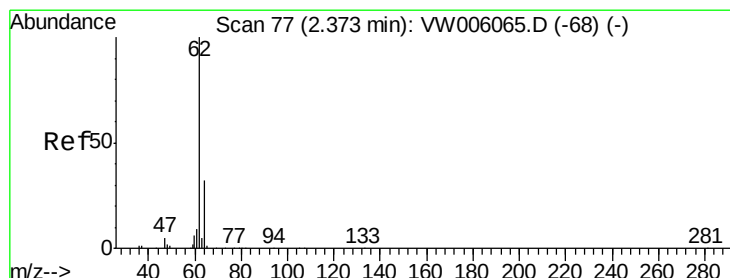
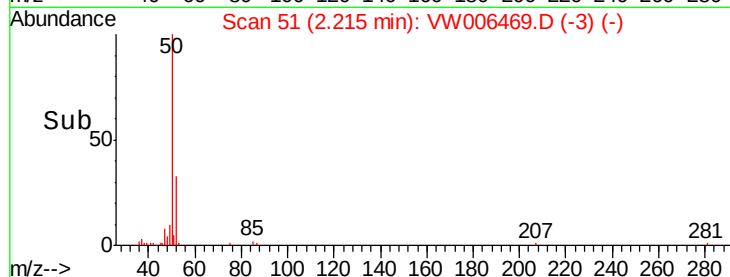
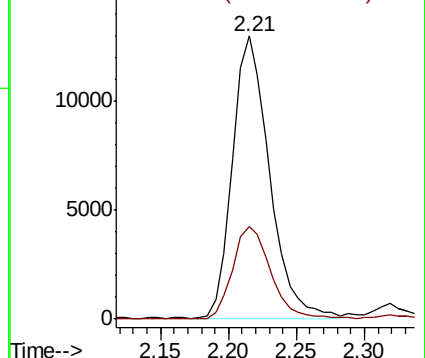
50 100

52 32.5 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.380 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006469.D

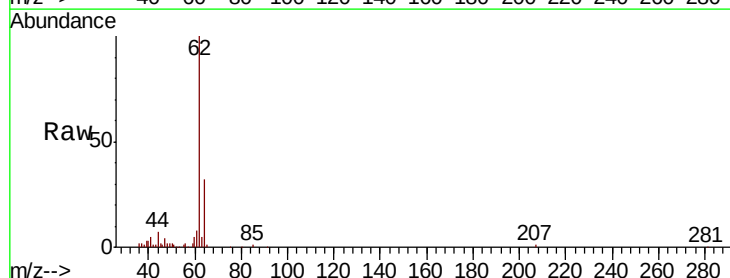
Acq: 29 Oct 2018 23:43

Tgt Ion: 62 Resp: 36518

Ion Ratio Lower Upper

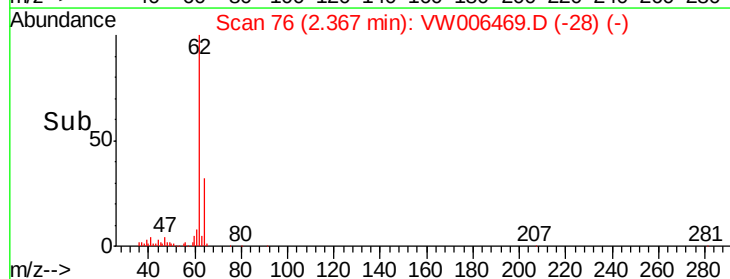
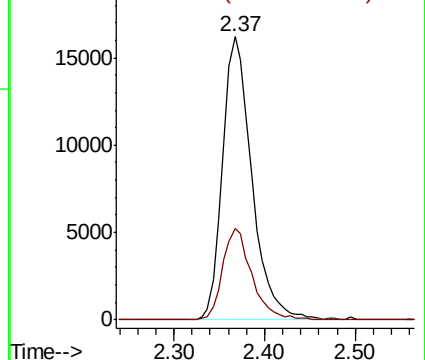
62 100

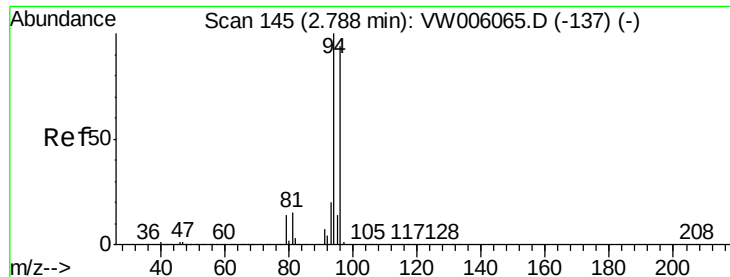
64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.497 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

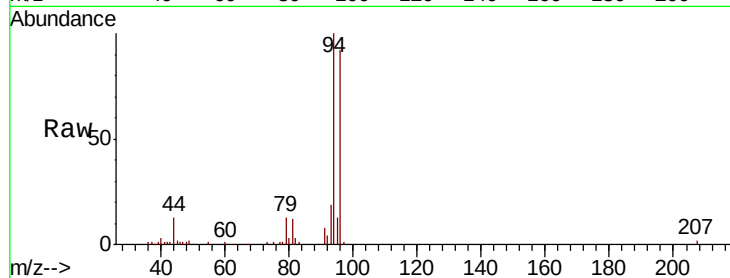
VW1031SBS01

Tot Ion: 94 Resp: 35036

Ion Ratio Lower Upper

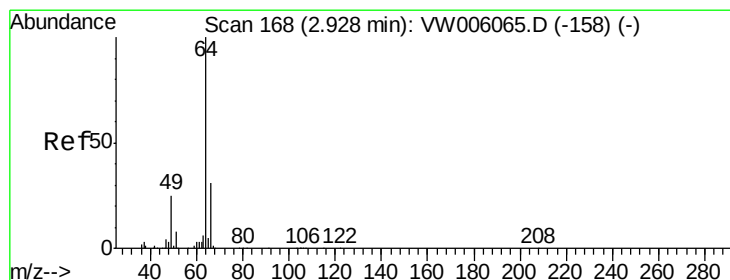
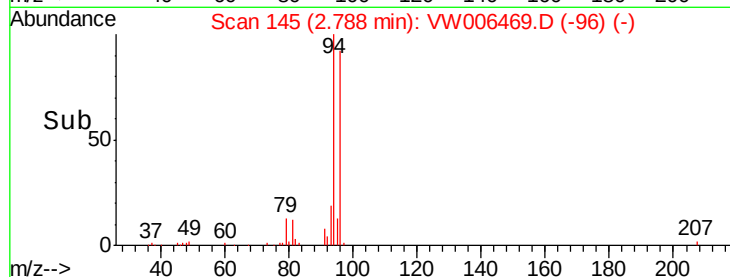
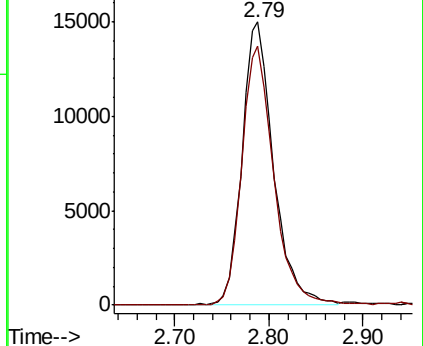
94 100

96 91.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.066 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006469.D

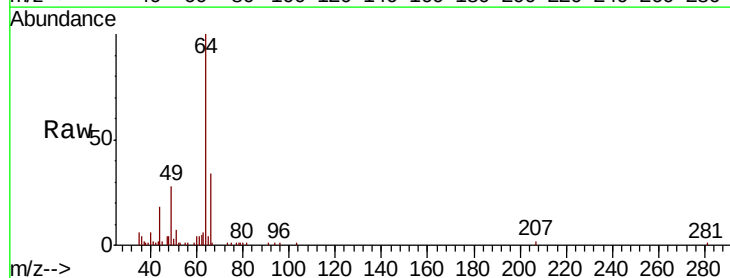
Acq: 29 Oct 2018 23:43

Tgt Ion: 64 Resp: 28335

Ion Ratio Lower Upper

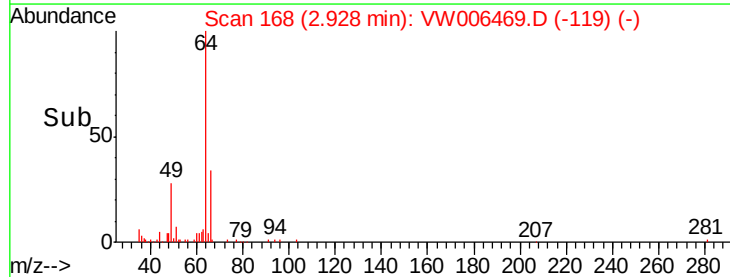
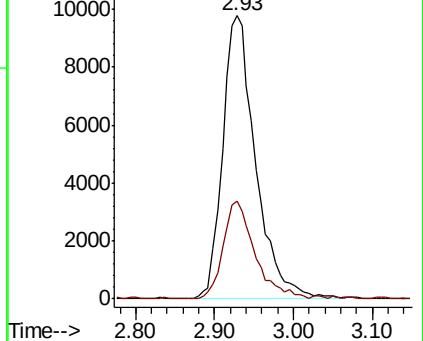
64 100

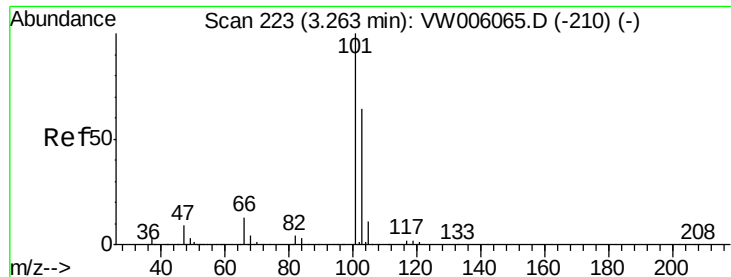
66 34.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



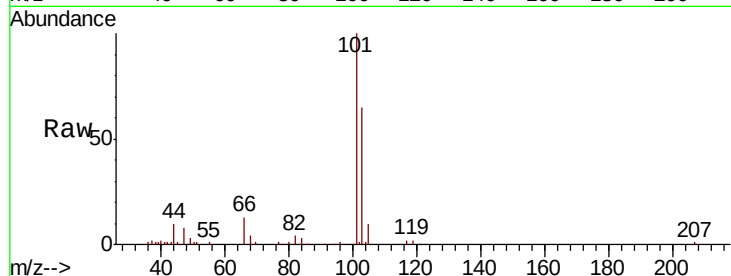


#7

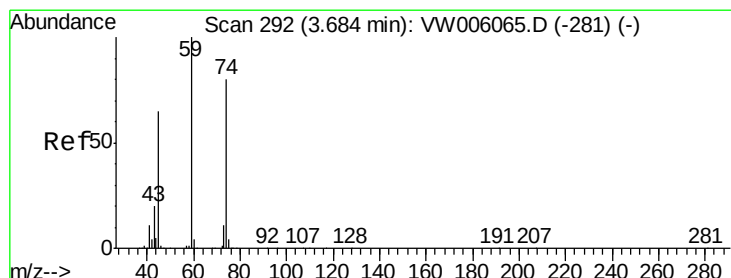
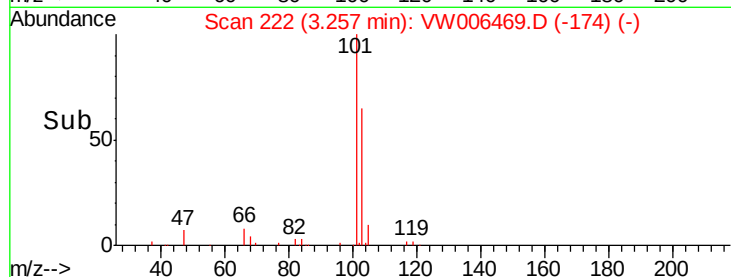
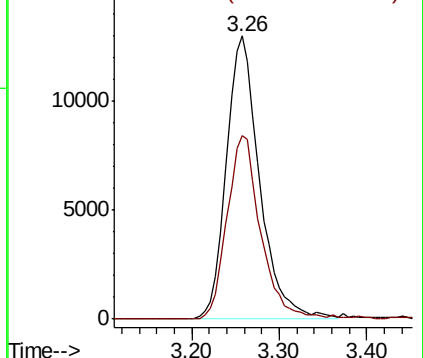
Trichlorofluoromethane
Concen: 20.595 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

Tot Ion:101 Resp: 34378
Ion Ratio Lower Upper
101 100
103 65.0 51.2 76.8



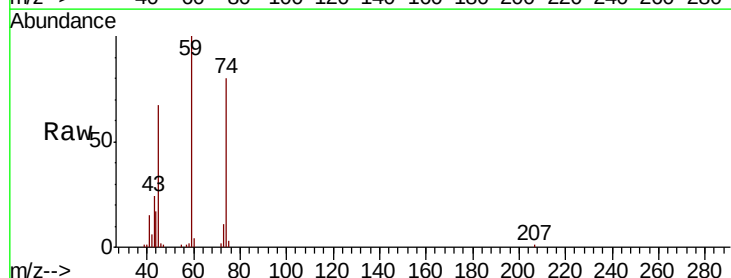
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



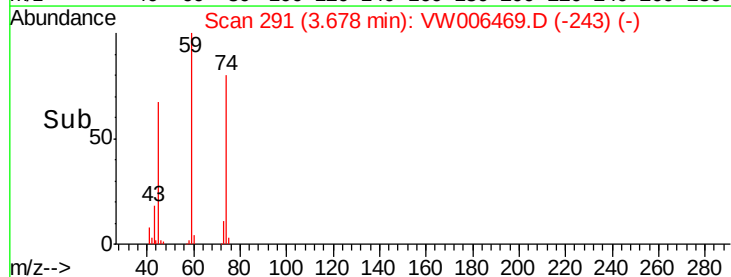
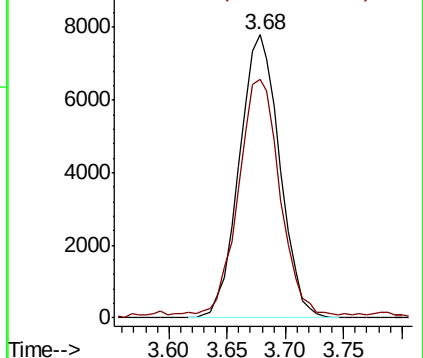
#8

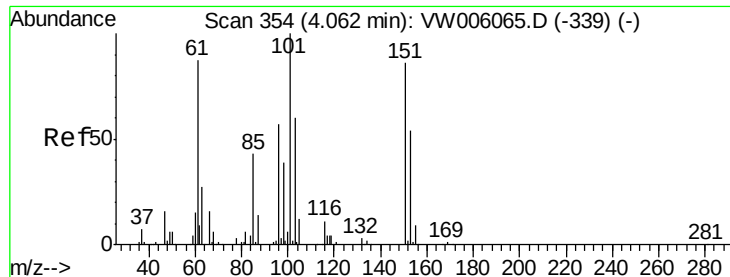
Diethyl Ether
Concen: 21.152 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 74 Resp: 18765
Ion Ratio Lower Upper
74 100
45 86.3 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: 21.855 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

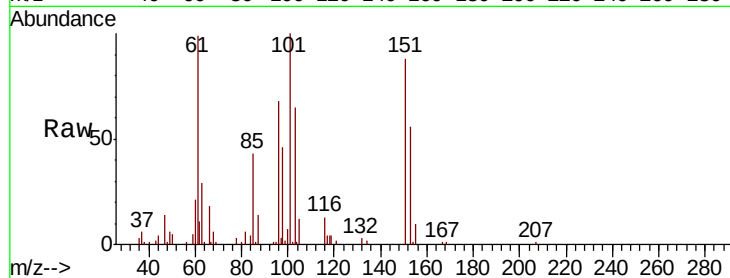
Tot Ion:101 Resp: 38232

Ion Ratio Lower Upper

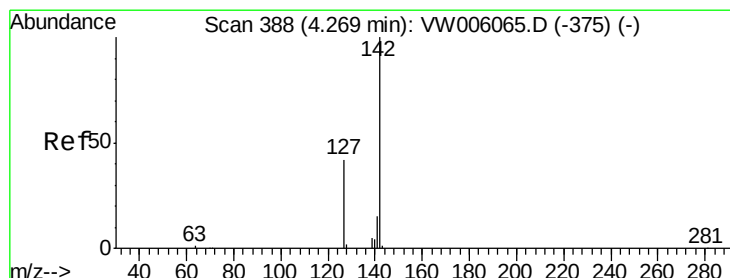
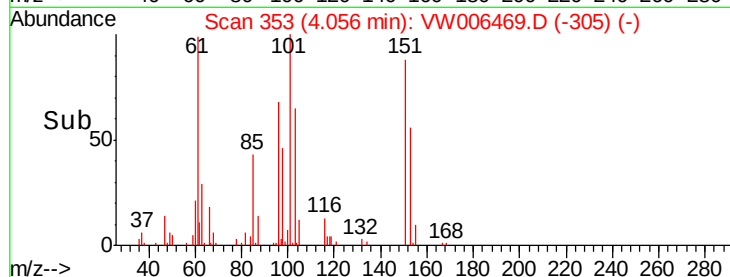
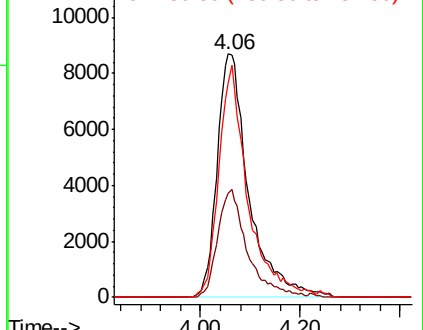
101 100

85 41.6 34.9 52.3

151 86.2 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.789 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

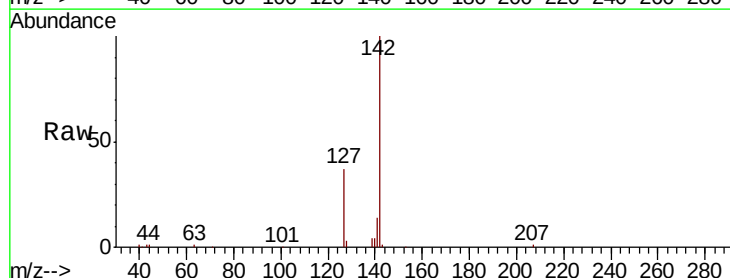
Tgt Ion:142 Resp: 63443

Ion Ratio Lower Upper

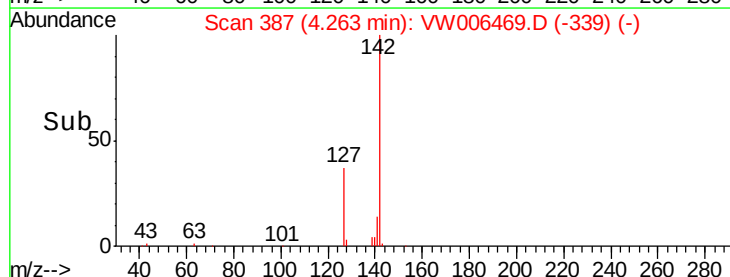
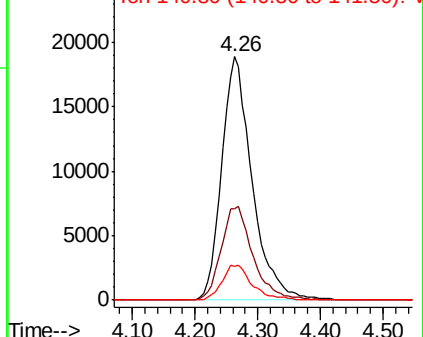
142 100

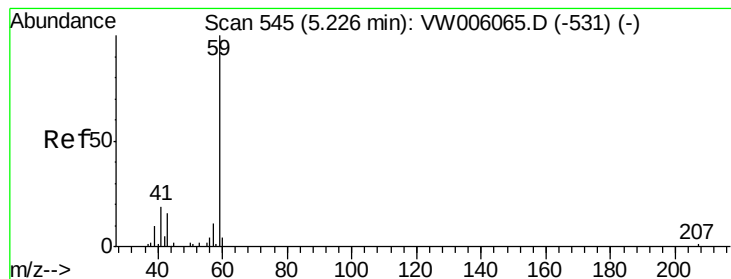
127 39.9 33.6 50.4

141 14.2 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 106.665 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

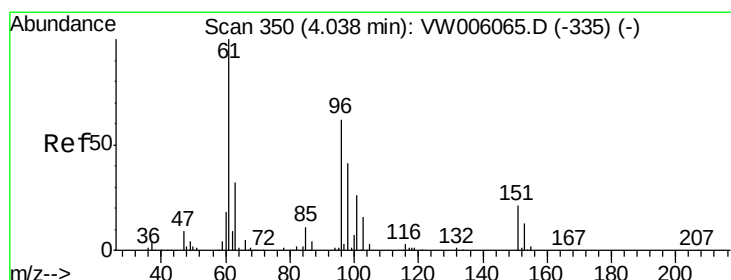
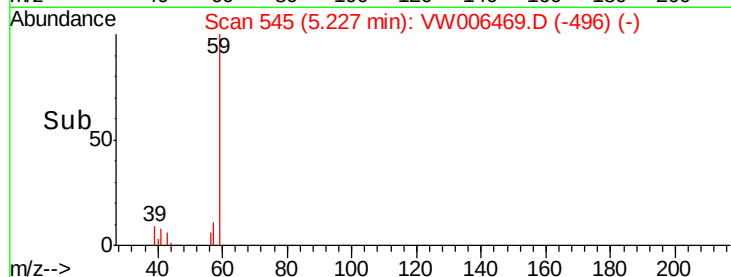
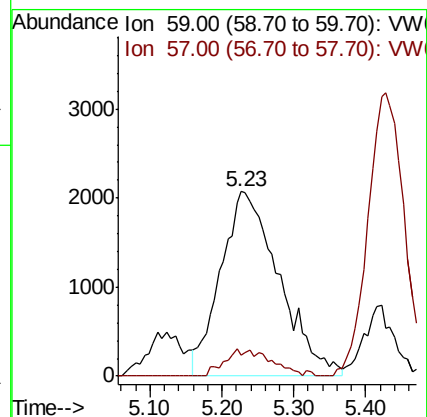
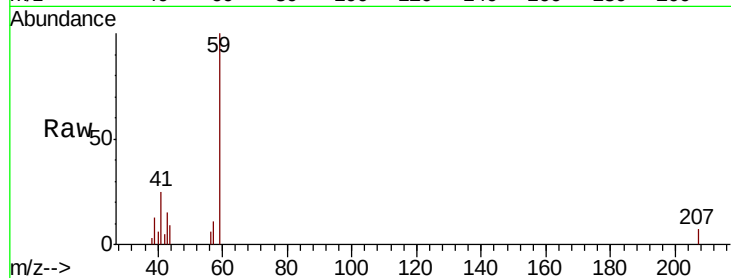
VW1031SBS01

Tot Ion: 59 Resp: 11715

Ion Ratio Lower Upper

59 100

57 5.3 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 21.802 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

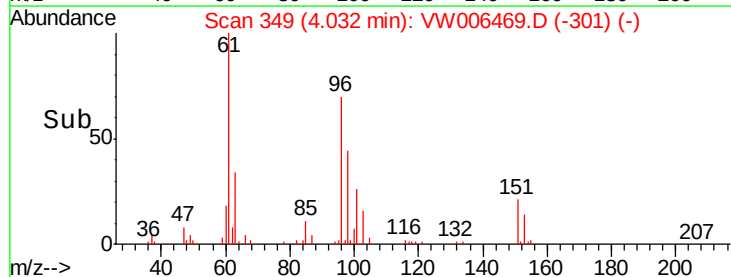
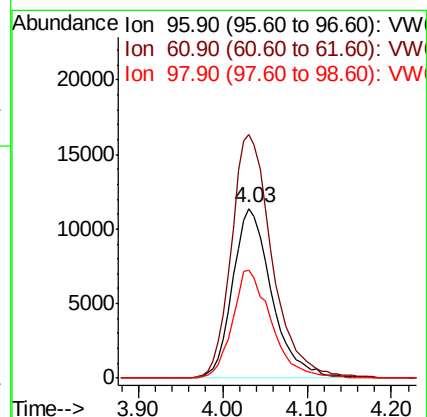
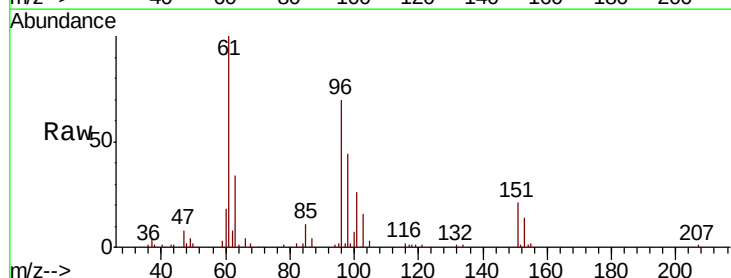
Tgt Ion: 96 Resp: 35882

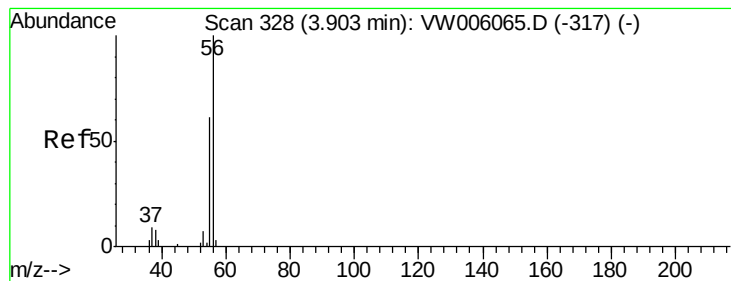
Ion Ratio Lower Upper

96 100

61 143.5 129.3 193.9

98 63.5 53.1 79.7





#13

Acrolein

Concen: 93.700 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

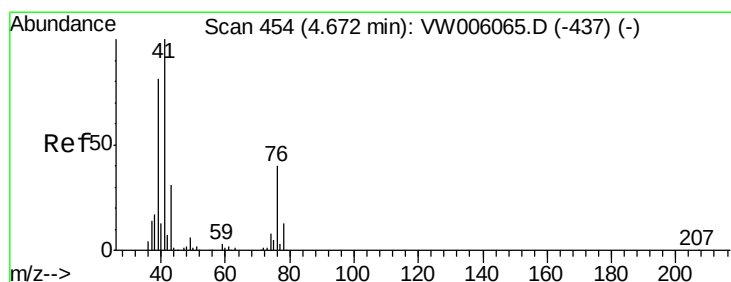
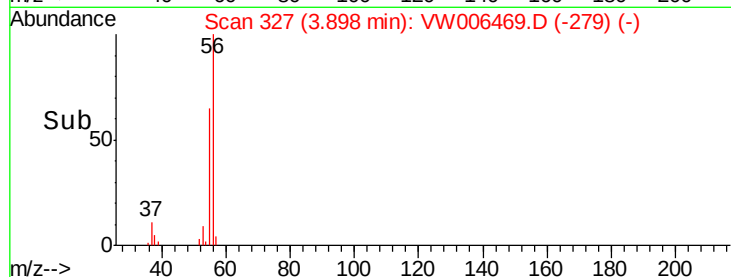
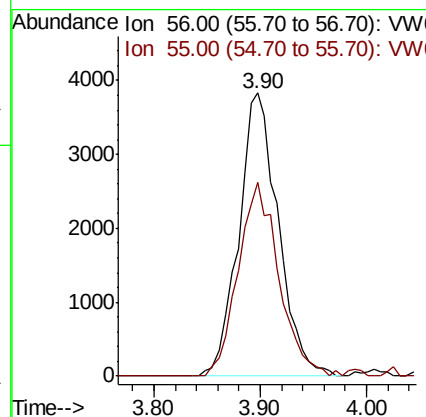
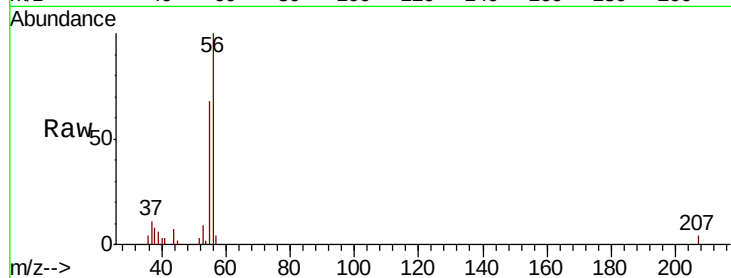
VW1031SBS01

Tot Ion: 56 Resp: 9958

Ion Ratio Lower Upper

56 100

55 70.3 54.5 81.7



#14

Allyl chloride

Concen: 20.025 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

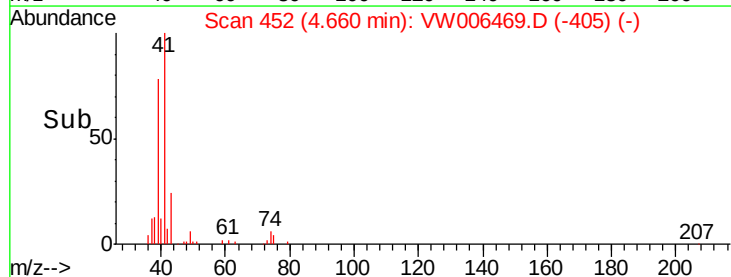
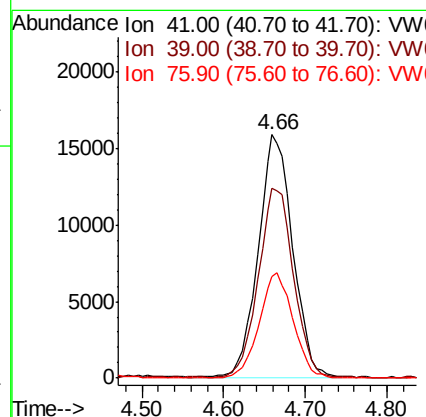
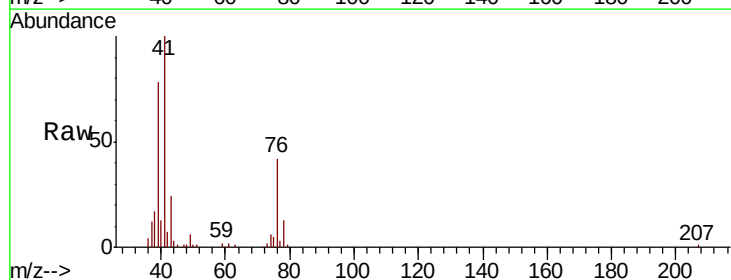
Tgt Ion: 41 Resp: 47123

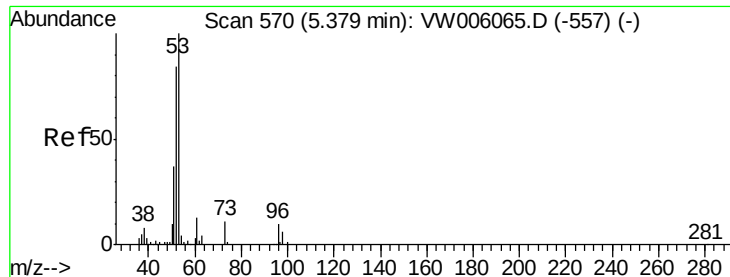
Ion Ratio Lower Upper

41 100

39 79.7 64.1 96.1

76 42.1 32.2 48.4





#15

Acrylonitrile

Concen: 114.960 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

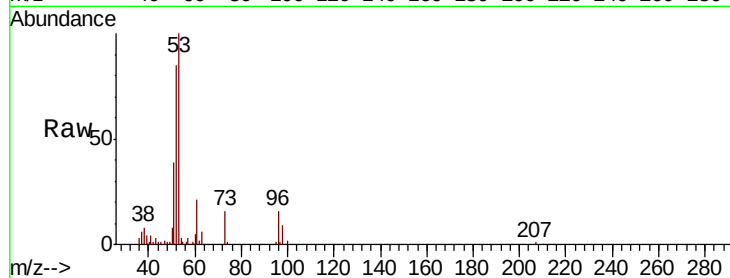
MSVOA_W

ClientSampleId :

VW1031SBS01

Tot Ion: 53 Resp: 36580

Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.9	100.3
51	38.7	30.1	45.1

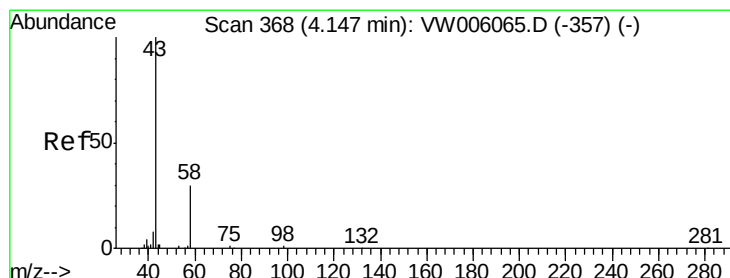
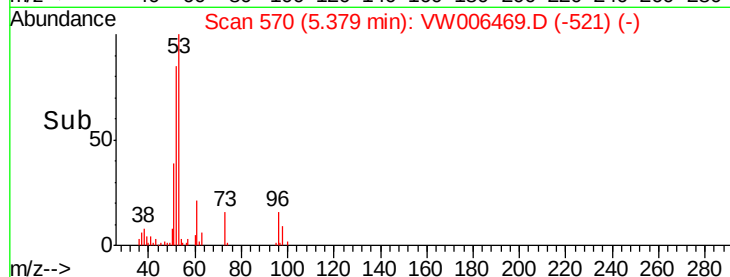
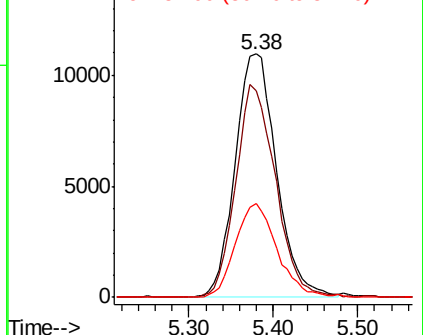


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 114.276 ug/l

RT: 4.14 min Scan# 367

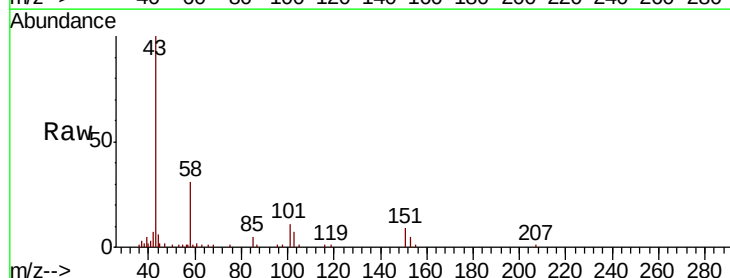
Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Tgt Ion: 43 Resp: 37473

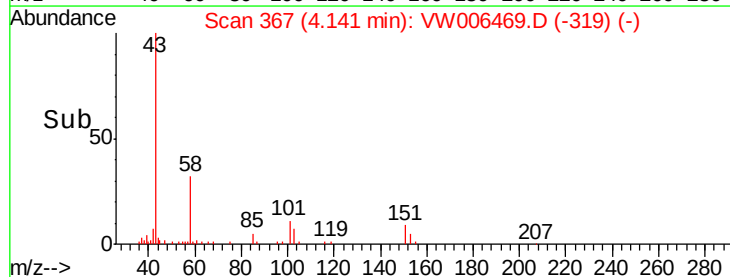
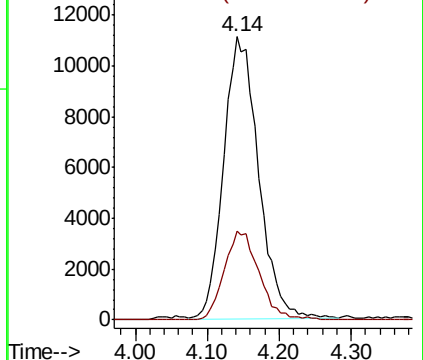
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.0	36.0

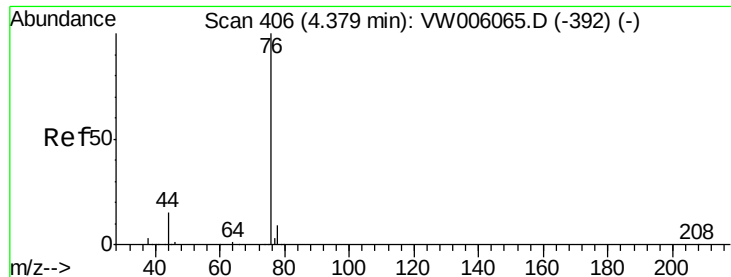


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 18.279 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

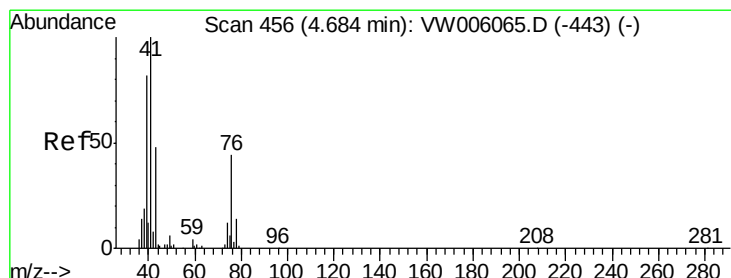
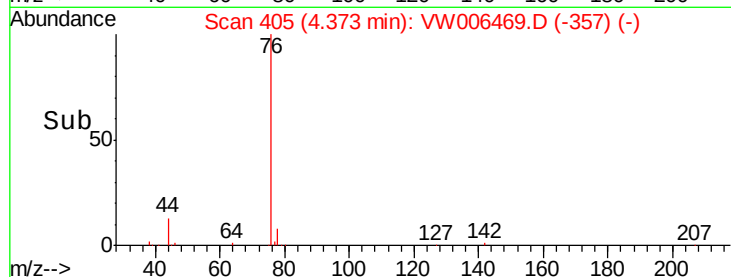
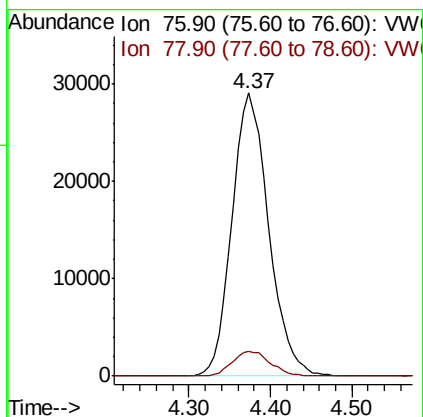
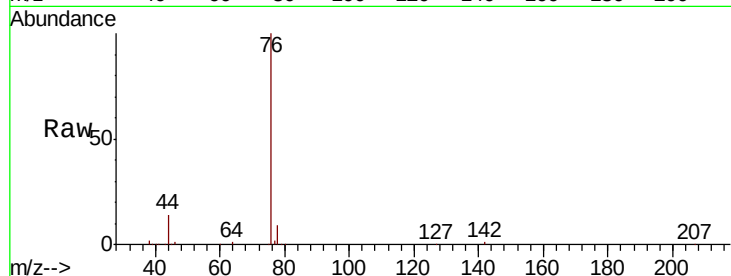
VW1031SBS01

Tot Ion: 76 Resp: 90793

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



#18

Methyl Acetate

Concen: 23.034 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006469.D

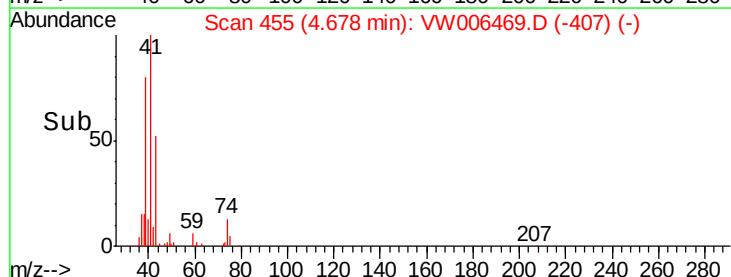
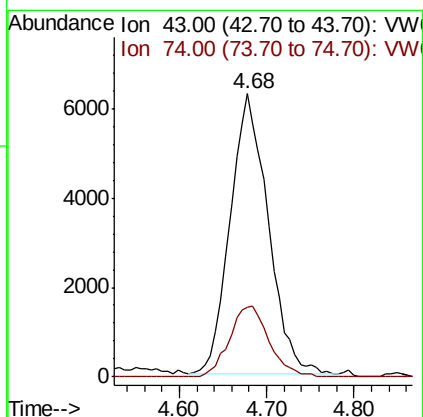
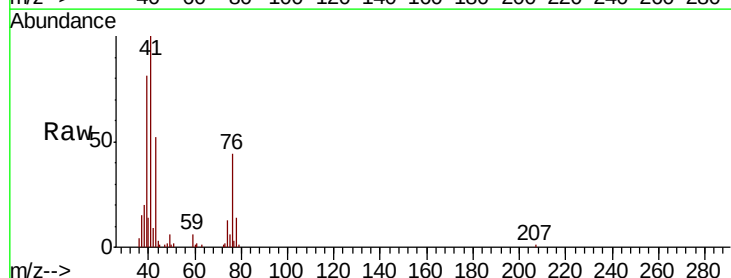
Acq: 29 Oct 2018 23:43

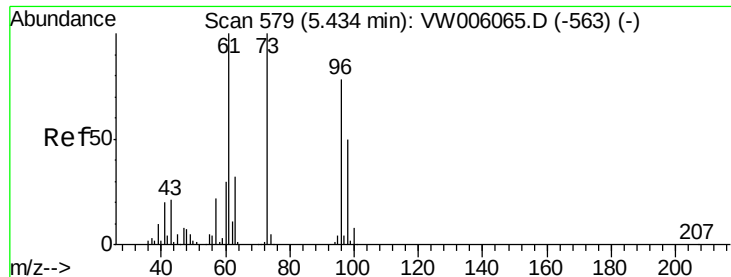
Tgt Ion: 43 Resp: 18930

Ion Ratio Lower Upper

43 100

74 26.3 20.5 30.7

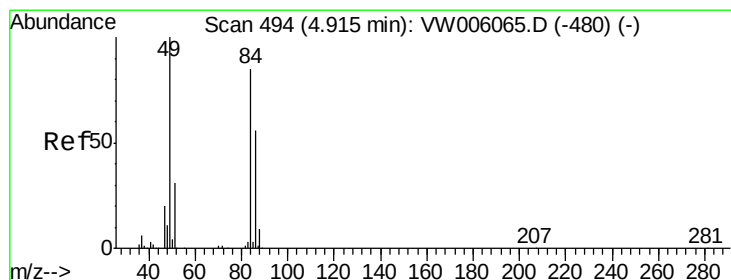
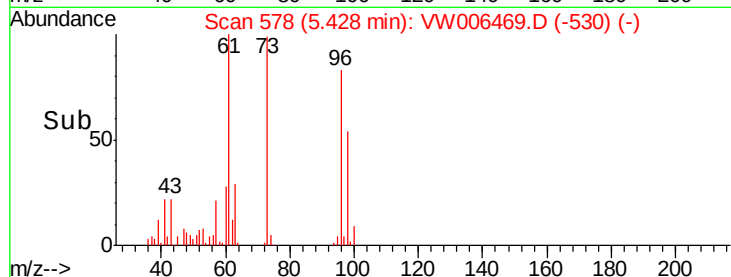
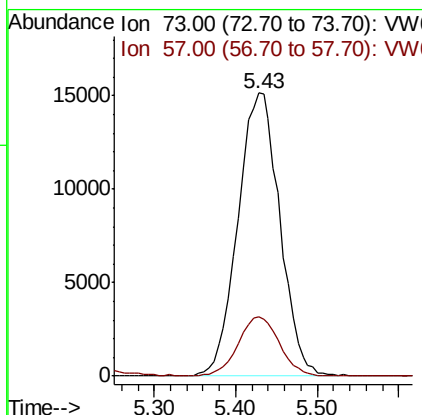
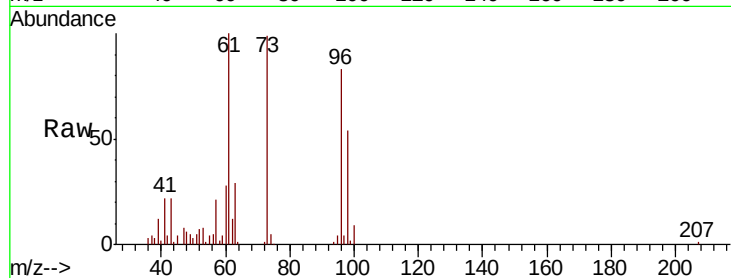




#19
Methyl tert-butyl Ether
Concen: 21.563 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

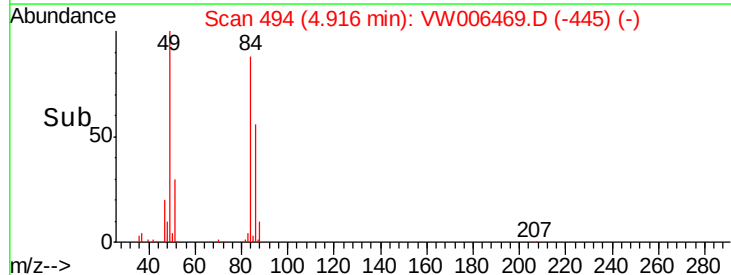
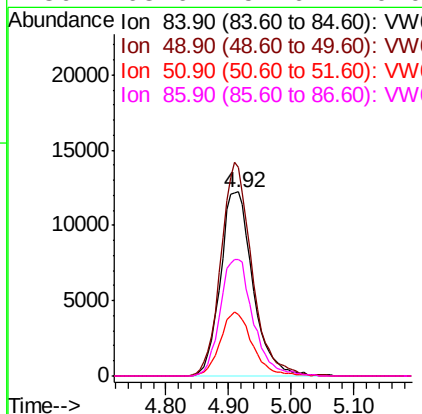
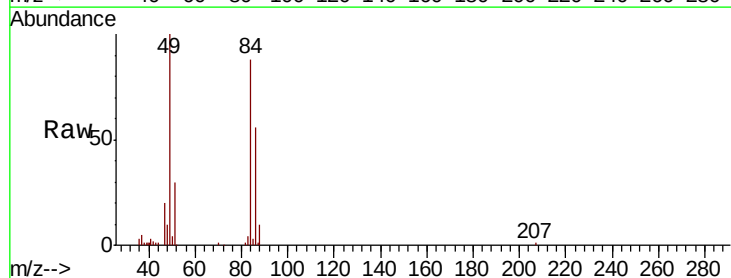
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

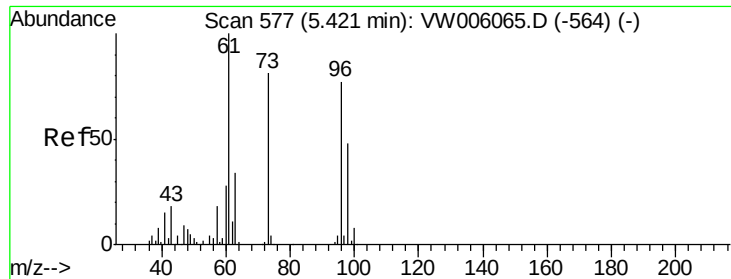
Tot Ion: 73 Resp: 54052
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2



#20
Methylene Chloride
Concen: 24.506 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 84 Resp: 43779
Ion Ratio Lower Upper
84 100
49 113.2 93.6 140.4
51 33.5 29.0 43.4
86 63.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.490 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

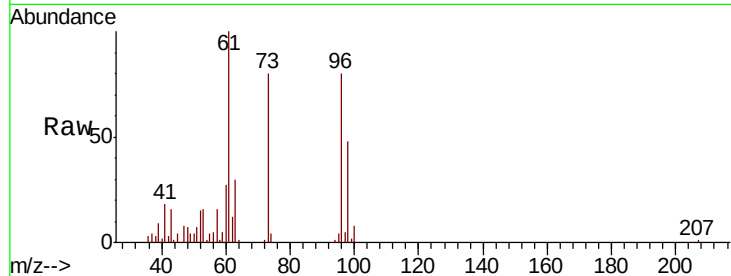
Tot Ion: 96 Resp: 41315

Ion Ratio Lower Upper

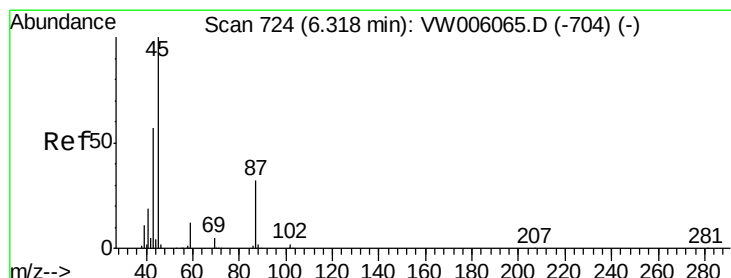
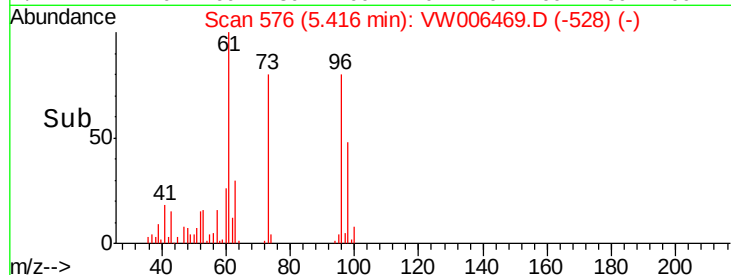
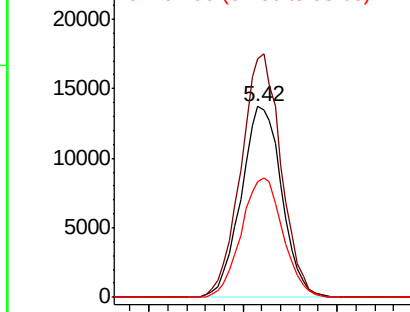
96 100

61 125.3 104.5 156.7

98 60.6 50.6 75.8



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



#22

Diisopropyl ether

Concen: 21.924 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Tgt Ion: 45 Resp: 101954

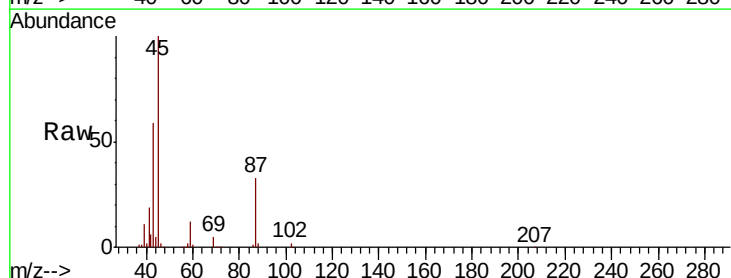
Ion Ratio Lower Upper

45 100

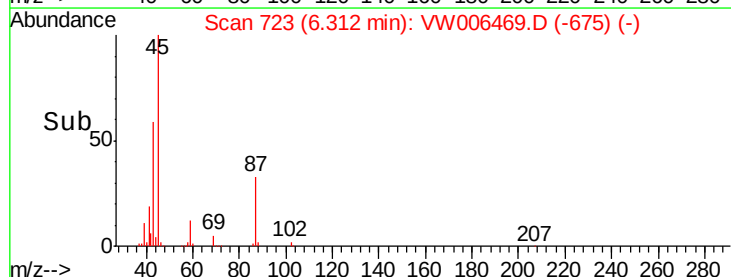
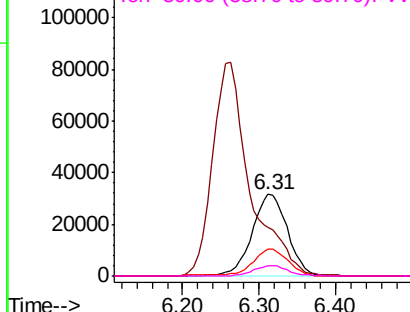
43 58.3 45.7 68.5

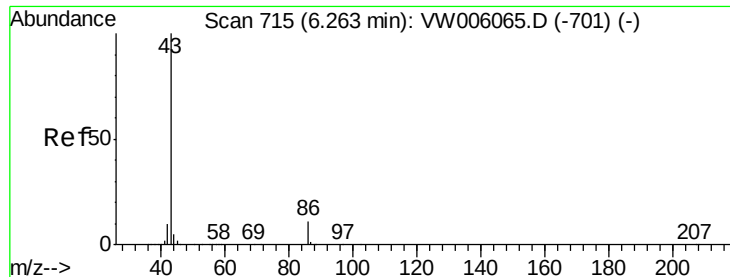
87 32.5 25.9 38.9

59 12.1 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 102.288 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

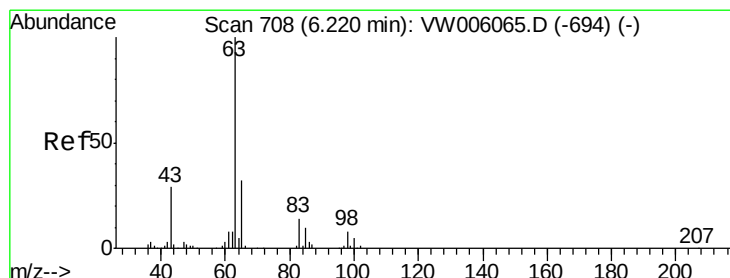
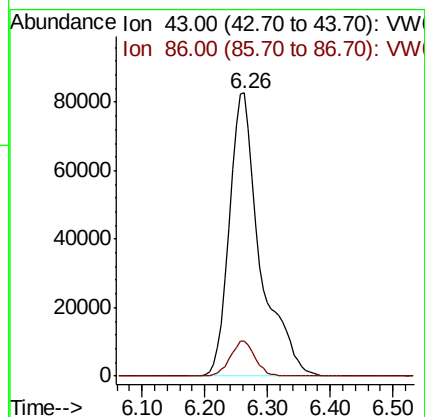
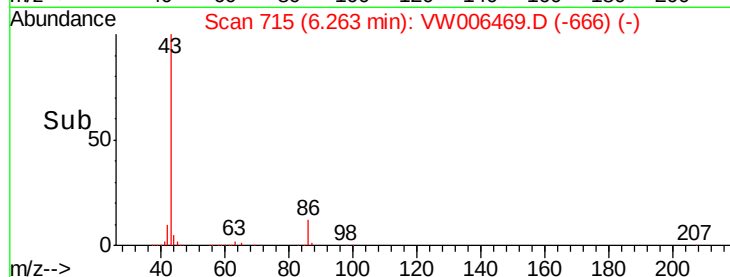
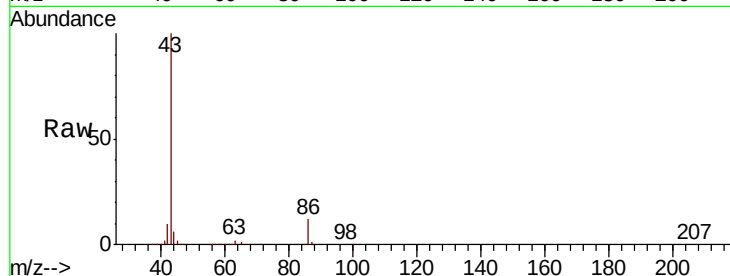
VW1031SBS01

Tot Ion: 43 Resp: 280721

Ion Ratio Lower Upper

43 100

86 12.2 9.0 13.6



#24

1,1-Dichloroethane

Concen: 23.224 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

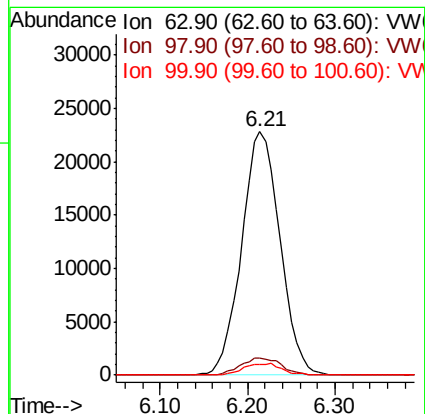
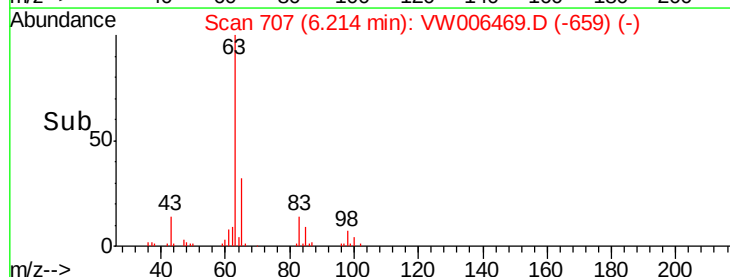
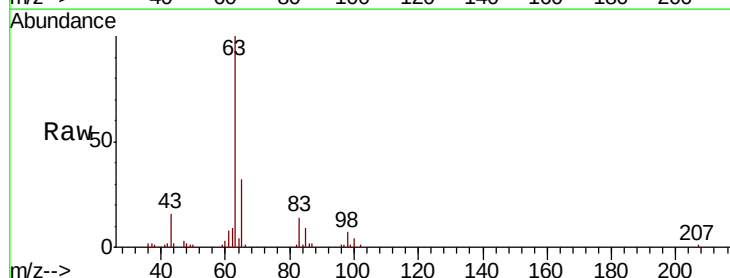
Tgt Ion: 63 Resp: 69687

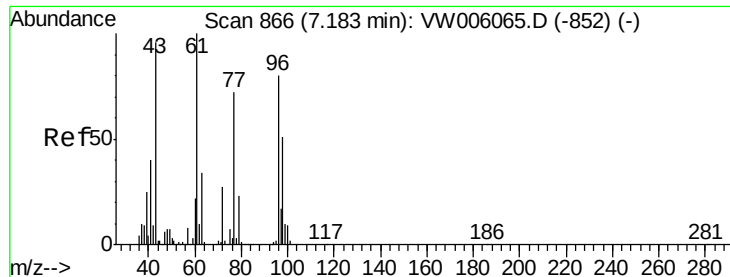
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 4.2 2.5 7.5





#25

2-Butanone

Concen: 116.670 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

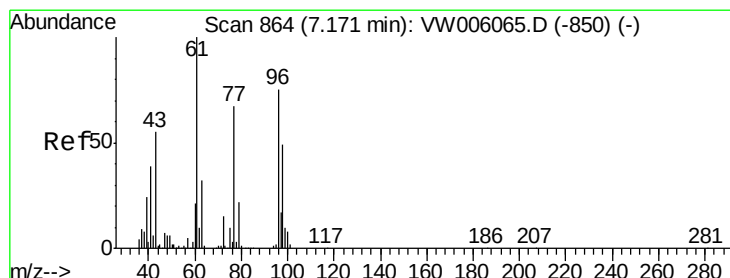
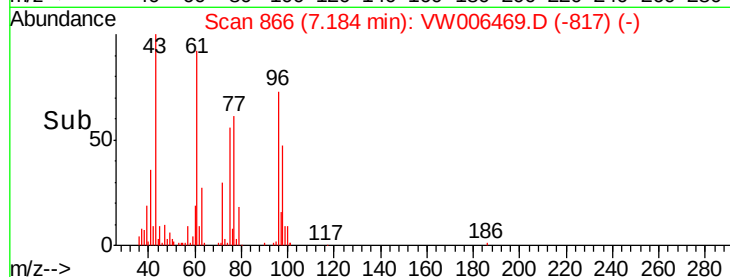
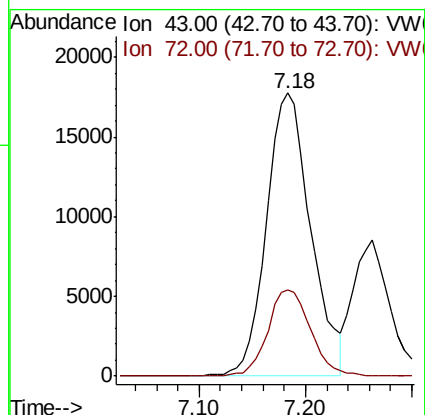
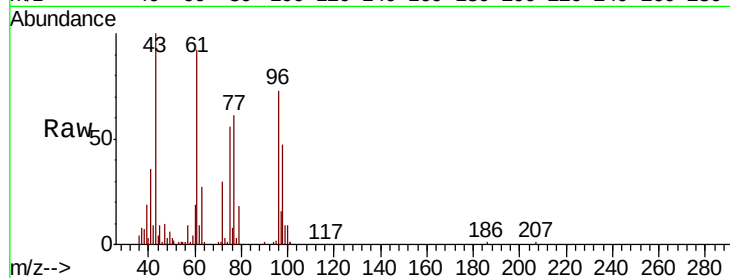
VW1031SBS01

Tot Ion: 43 Resp: 51471

Ion Ratio Lower Upper

43 100

72 30.3 22.8 34.2



#26

2,2-Dichloropropane

Concen: 21.117 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006469.D

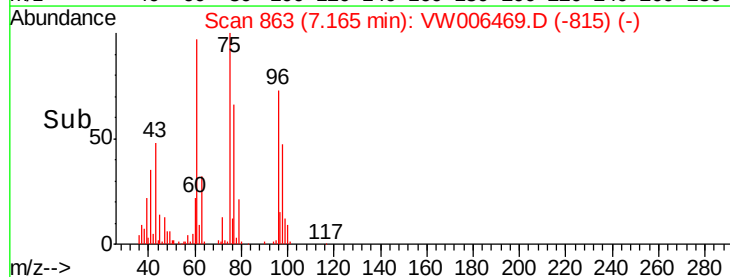
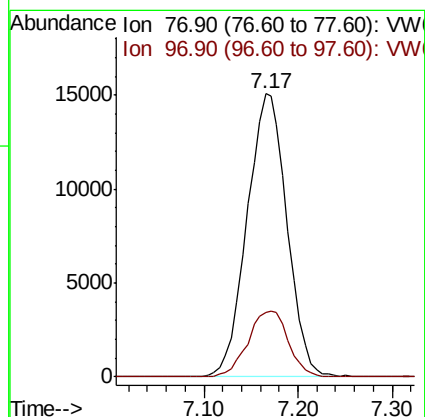
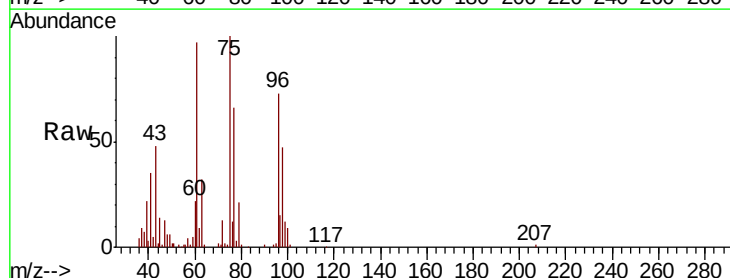
Acq: 29 Oct 2018 23:43

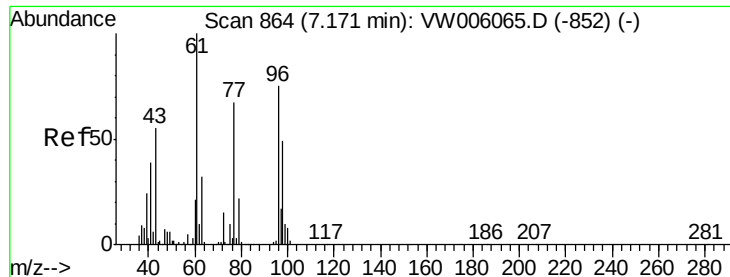
Tgt Ion: 77 Resp: 44691

Ion Ratio Lower Upper

77 100

97 23.6 12.2 36.4



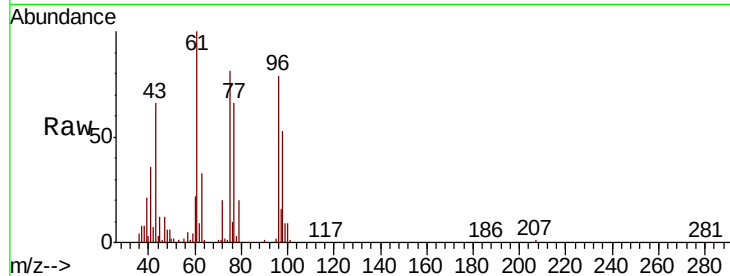


#27

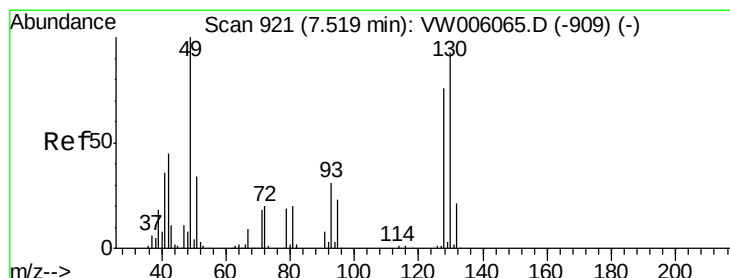
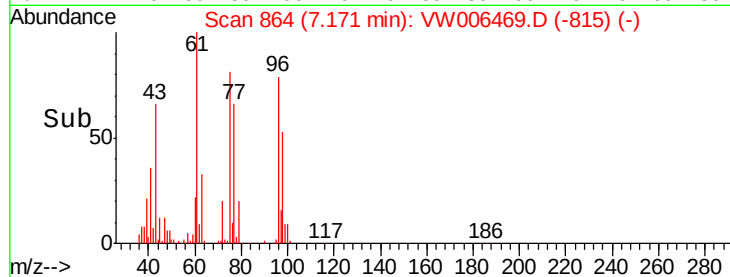
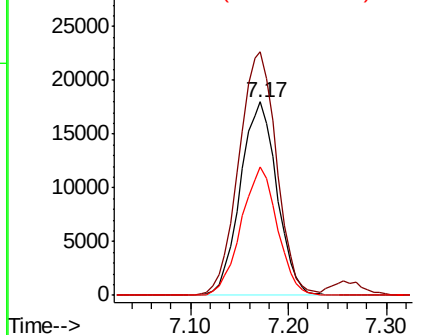
cis-1,2-Dichloroethene
 Concen: 23.047 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

Tot Ion: 96 Resp: 46721
 Ion Ratio Lower Upper
 96 100
 61 130.1 0.0 267.2
 98 65.5 0.0 128.6



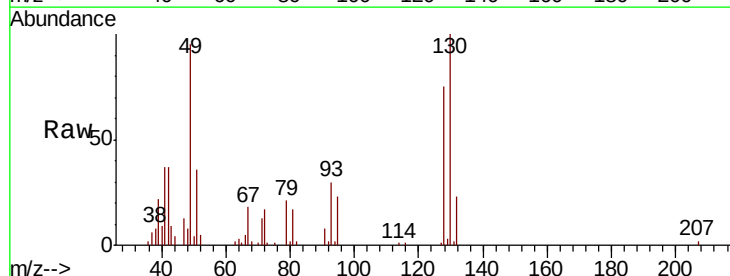
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



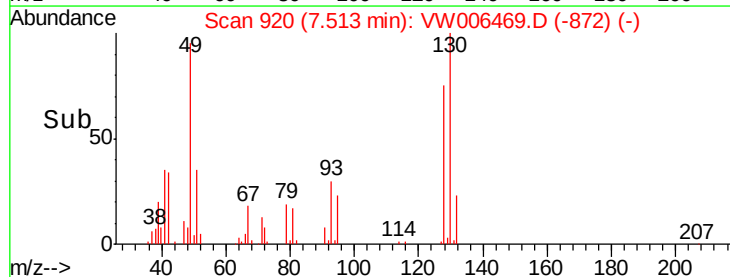
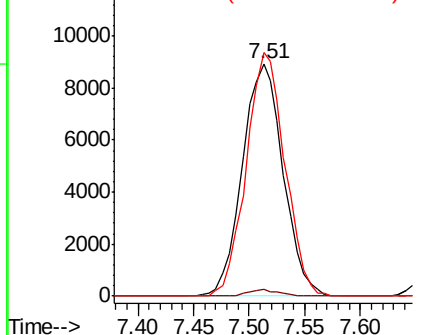
#28

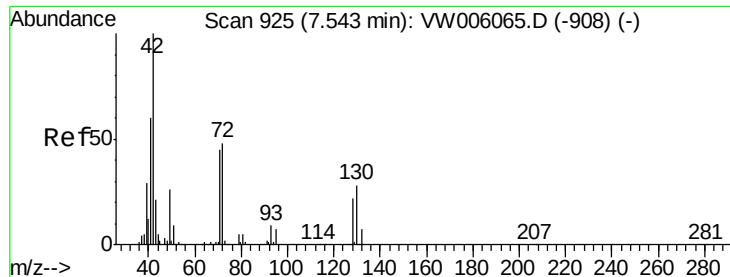
Bromochloromethane
 Concen: 19.593 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion: 49 Resp: 22697
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 5.0
 130 99.7 73.8 110.8



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

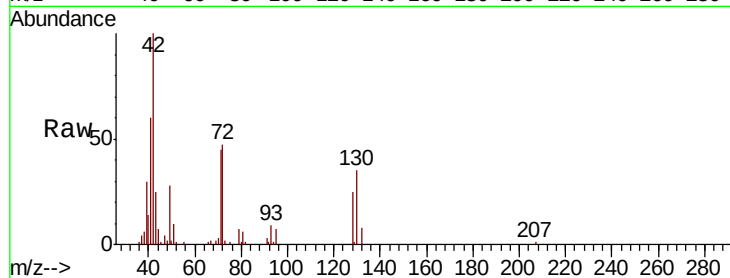




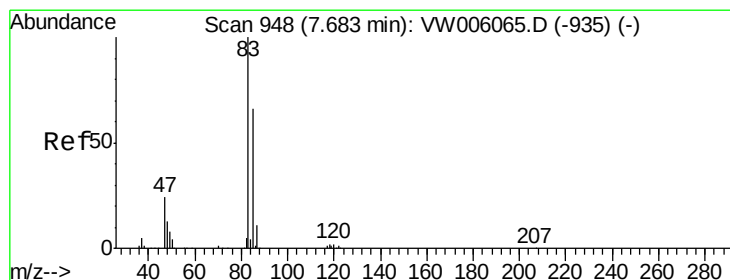
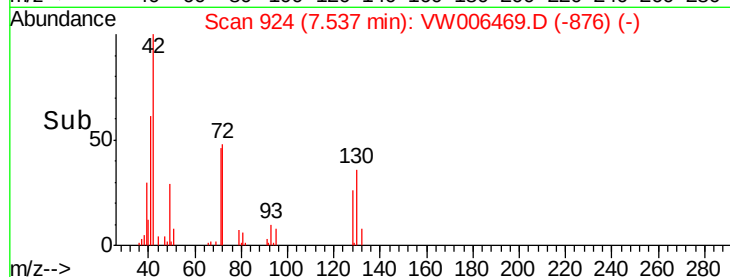
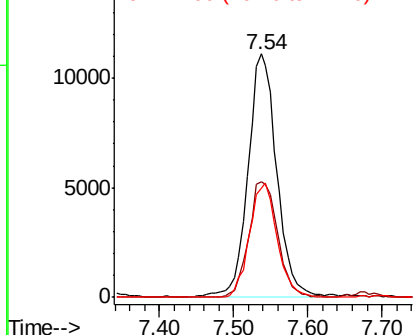
#29
Tetrahydrofuran
Concen: 111.371 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	38.0	57.0
71	45.1	35.3	52.9

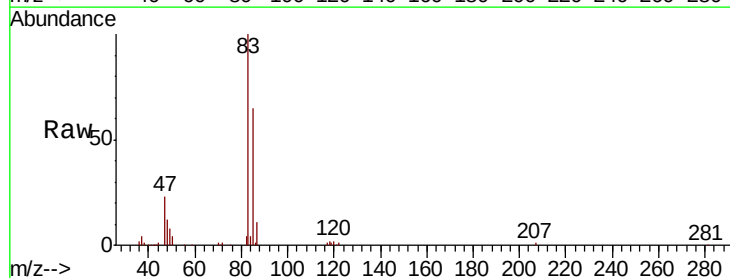


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

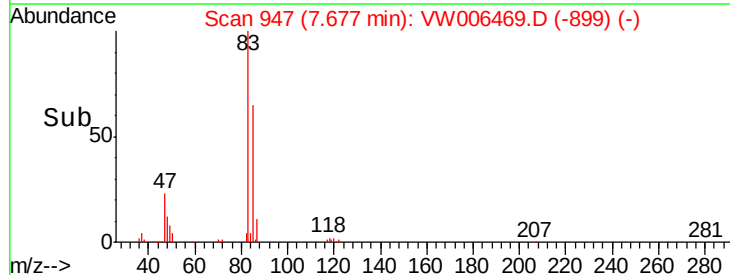
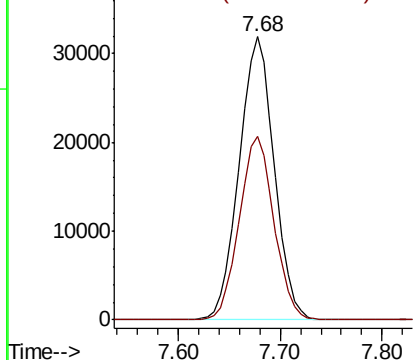


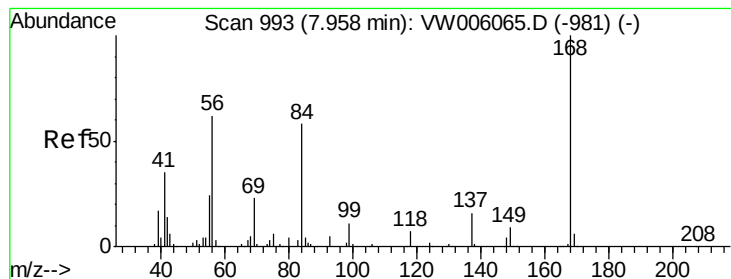
#30
Chloroform
Concen: 23.217 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	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: 19.237 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

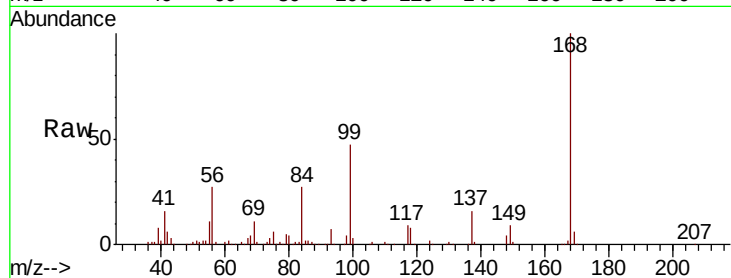
Tot Ion: 56 Resp: 57484

Ion Ratio Lower Upper

56 100

69 40.8 29.4 44.0

84 96.8 74.0 111.0

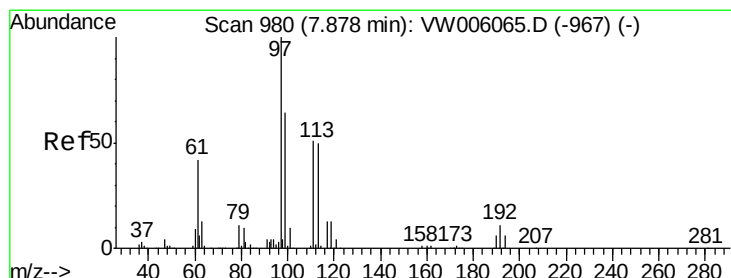
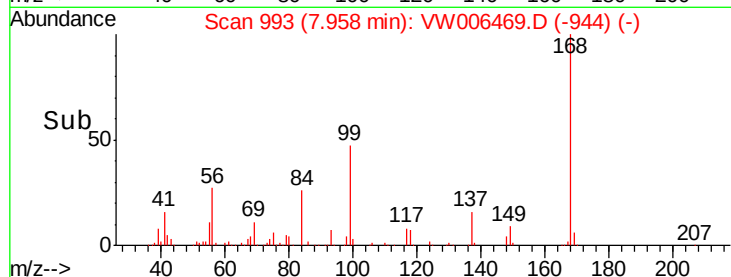
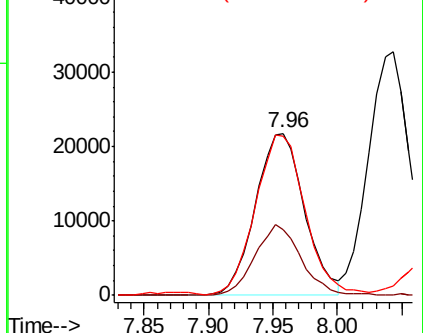


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 21.619 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

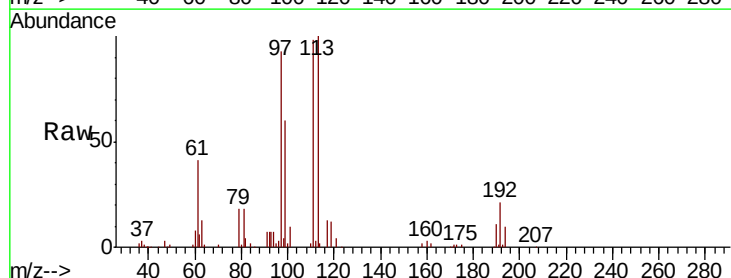
Tgt Ion: 97 Resp: 63757

Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 41.9 33.7 50.5

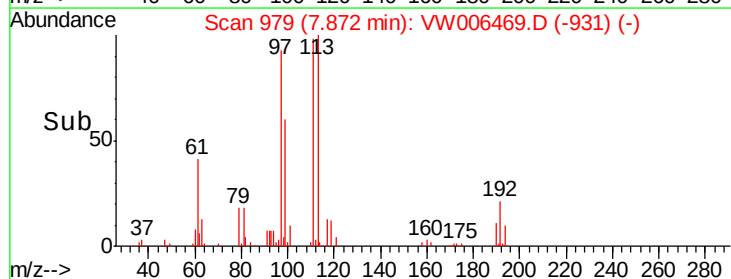
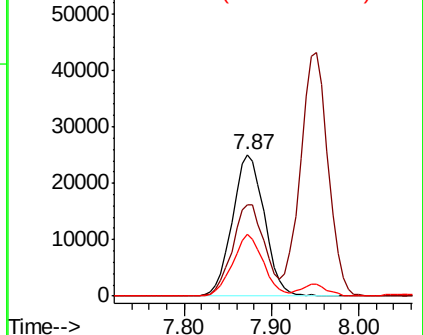


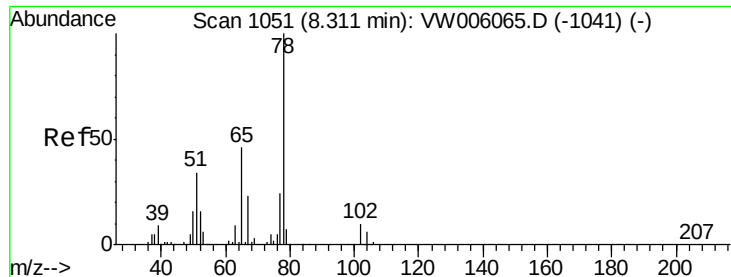
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

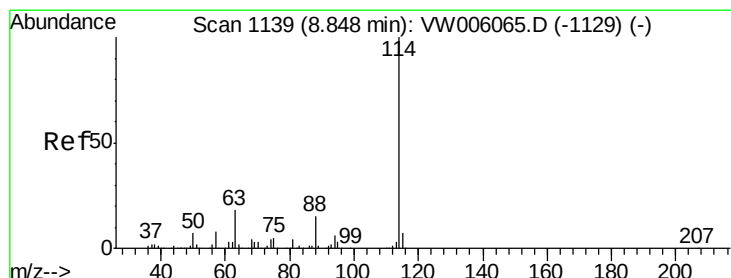
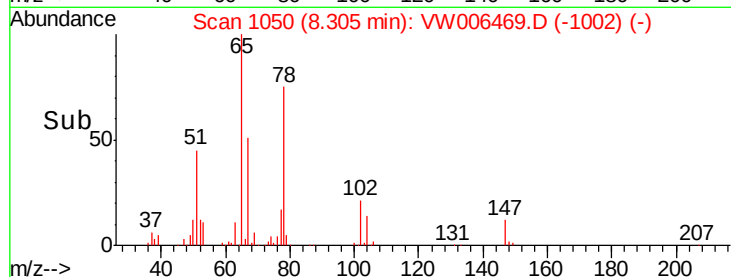
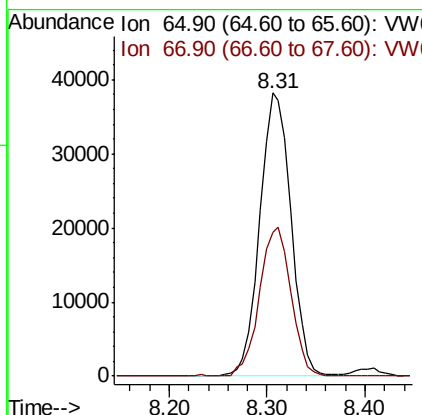
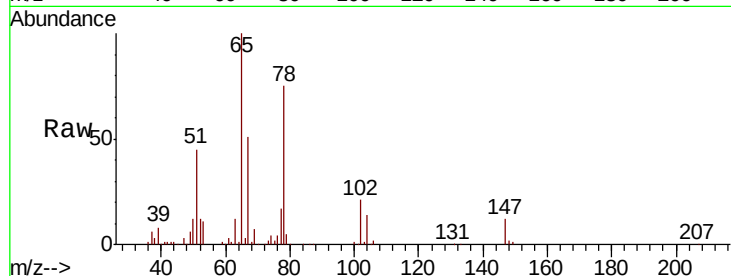




#33
 1,2-Dichloroethane-d4
 Concen: 51.850 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

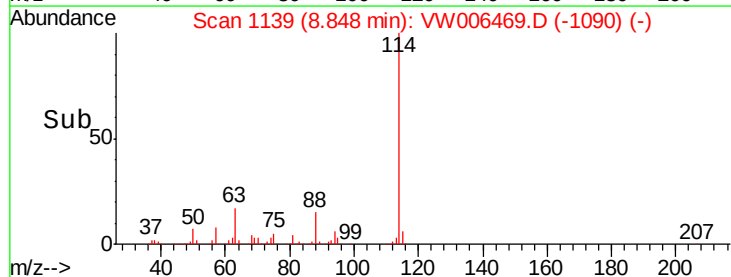
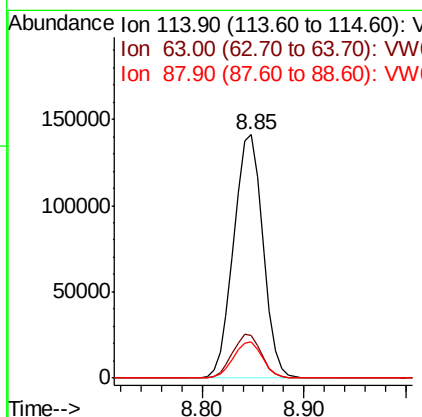
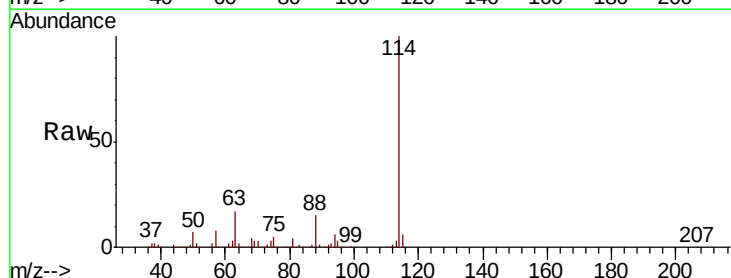
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

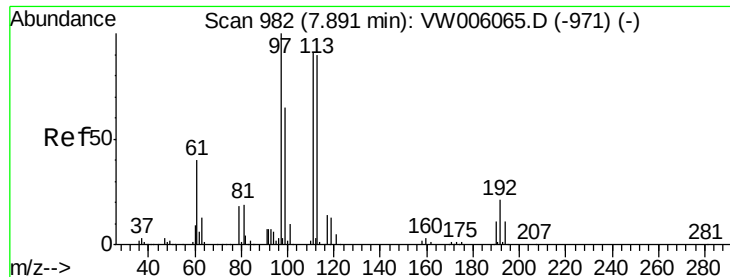
Tot Ion: 65 Resp: 84673
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion: 114 Resp: 280622
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.8
 88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 54.499 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

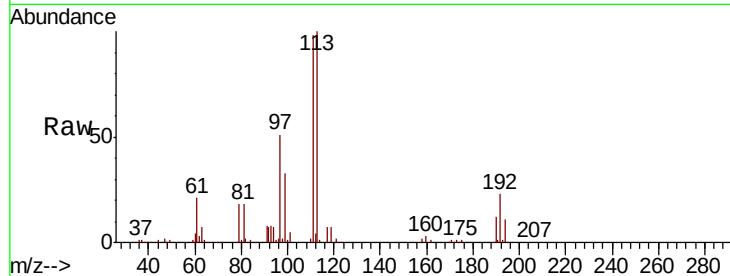
Tot Ion:113 Resp: 90369

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

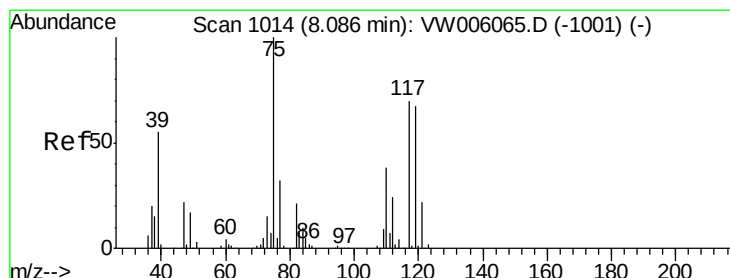
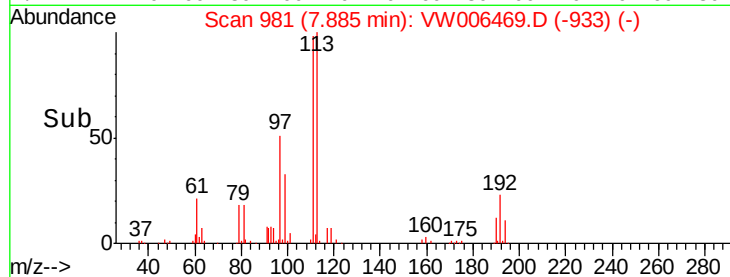
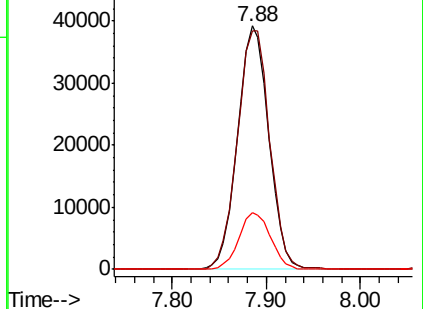
192 23.4 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.145 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

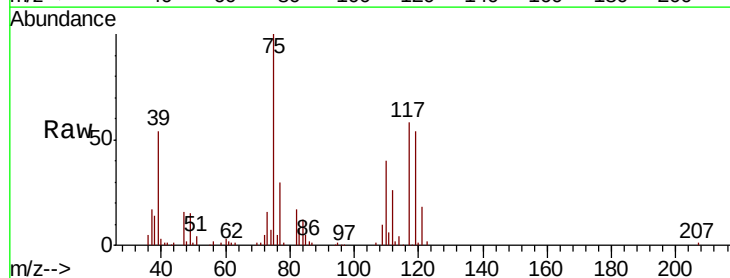
Tgt Ion: 75 Resp: 57278

Ion Ratio Lower Upper

75 100

110 38.4 19.1 57.1

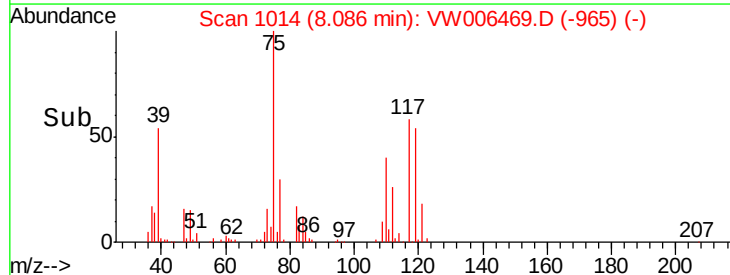
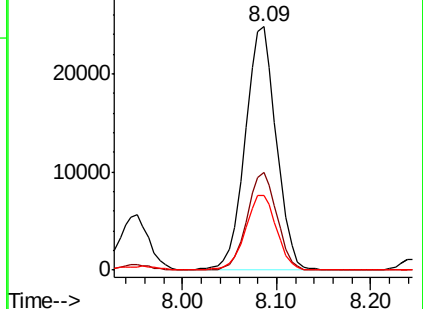
77 30.8 25.0 37.4

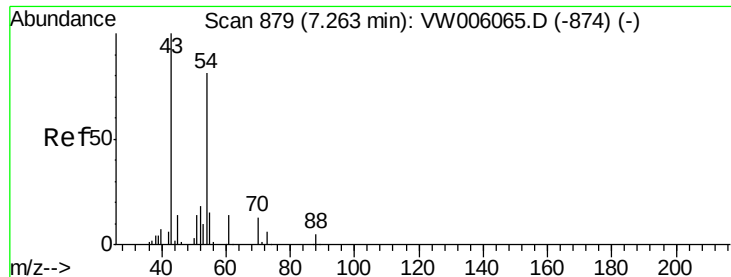


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

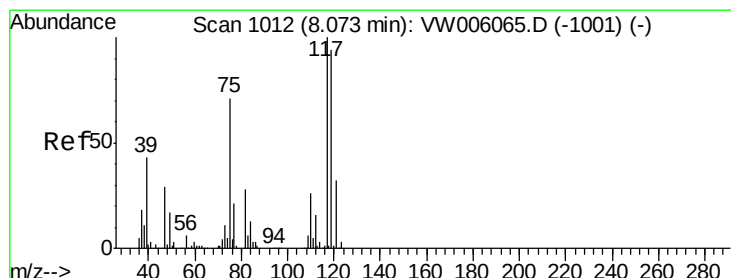
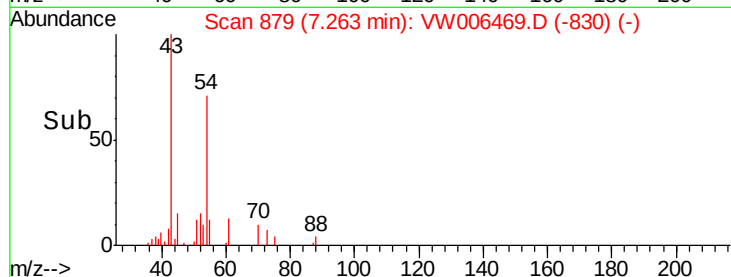
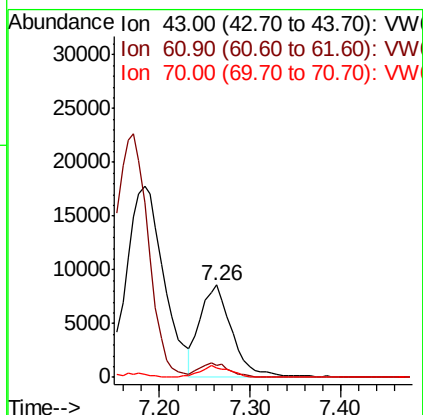
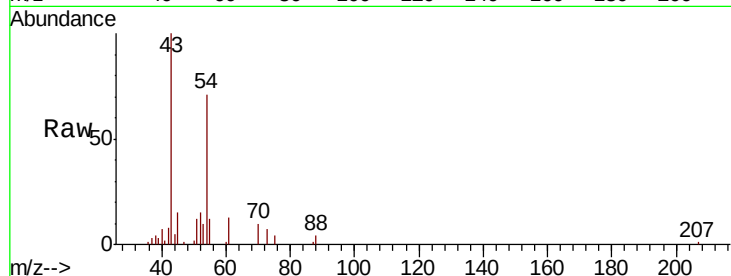




#37
Ethyl Acetate
Concen: 22.301 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

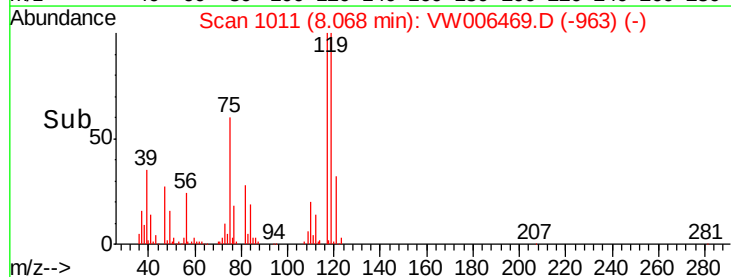
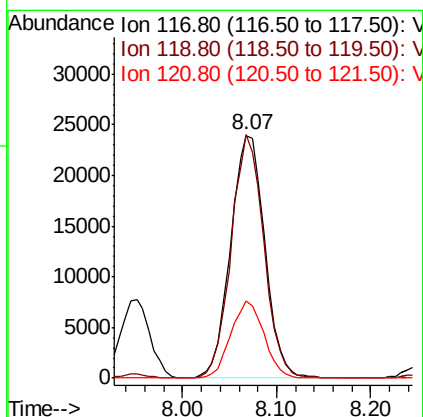
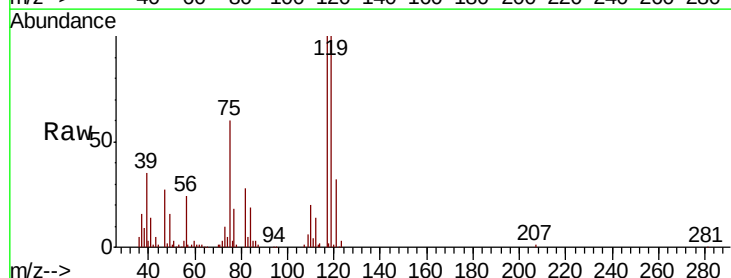
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

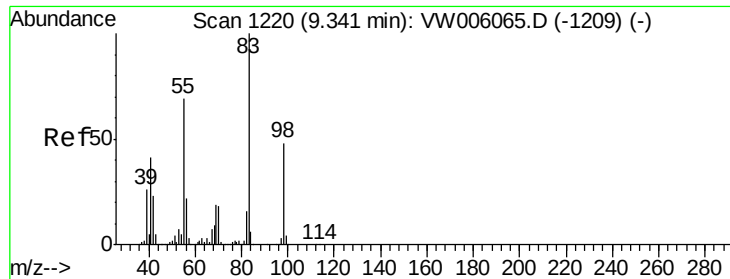
Tot Ion: 43 Resp: 21431
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 21.361 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 117 Resp: 60569
Ion Ratio Lower Upper
117 100
119 100.3 75.2 112.8
121 31.9 25.3 37.9

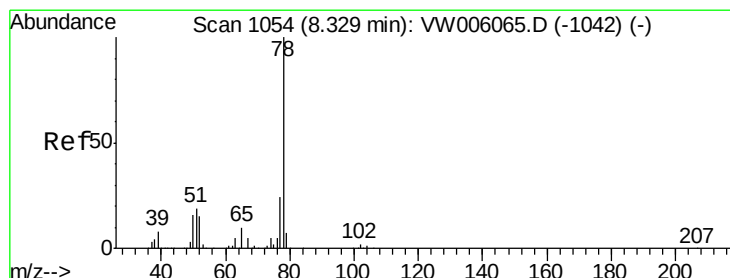
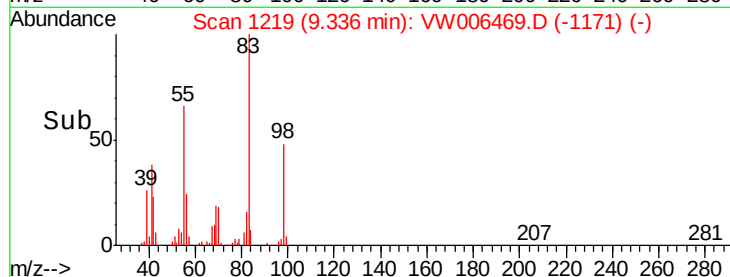
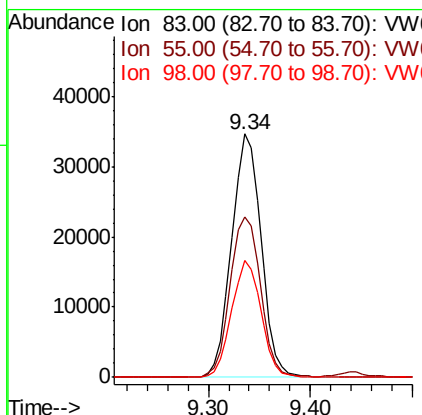
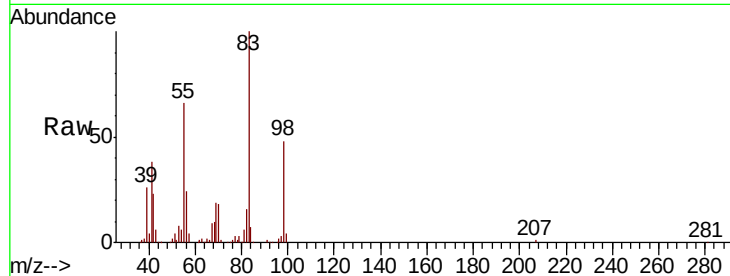




#39
Methylvlcyclohexane
Concen: 20.191 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

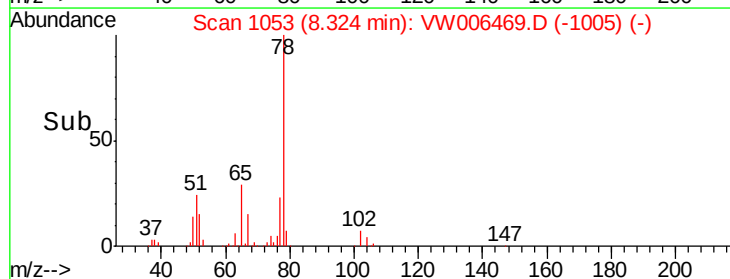
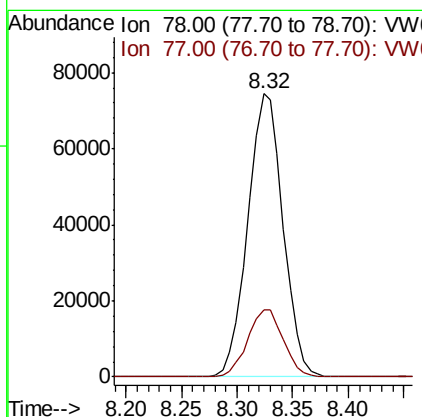
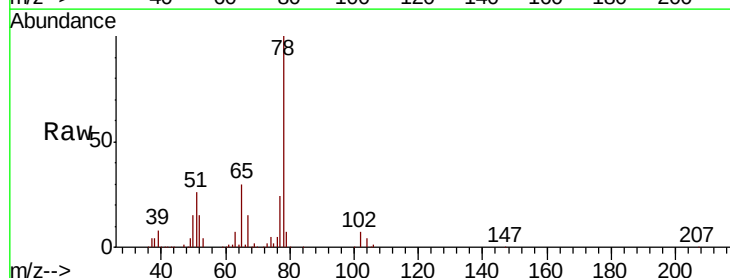
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

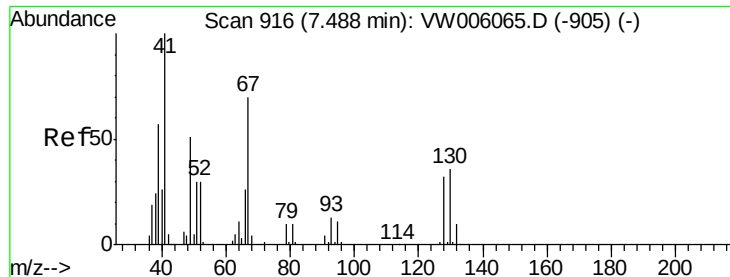
Tot Ion: 83 Resp: 69422
Ion Ratio Lower Upper
83 100
55 66.1 55.0 82.6
98 48.0 38.6 57.8



#40
Benzene
Concen: 23.139 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 78 Resp: 164173
Ion Ratio Lower Upper
78 100
77 23.6 19.4 29.0





#41

Methacrylonitrile

Concen: 22.825 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

Tot Ion: 41 Resp: 13223

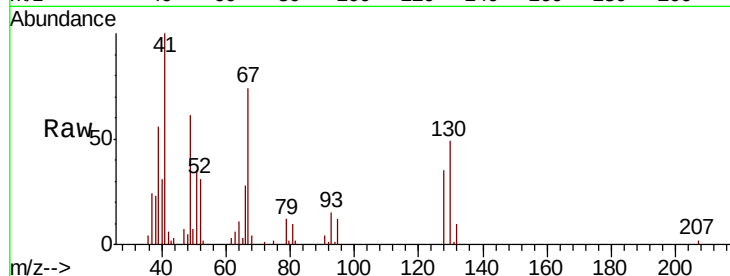
Ion Ratio Lower Upper

41 100

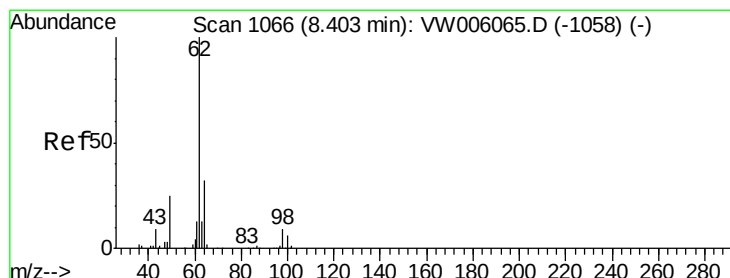
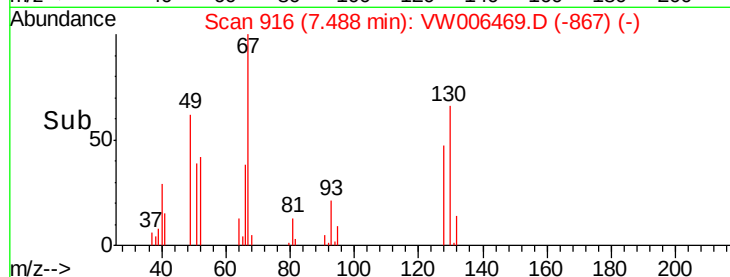
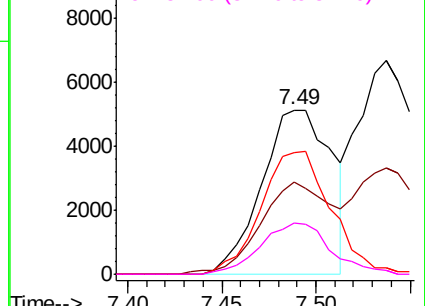
39 56.8 46.2 69.4

67 75.0 57.7 86.5

52 31.0 24.7 37.1



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



#42

1,2-Dichloroethane

Concen: 22.692 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006469.D

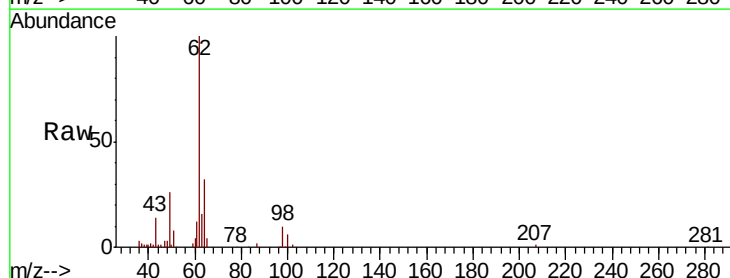
Acq: 29 Oct 2018 23:43

Tgt Ion: 62 Resp: 47303

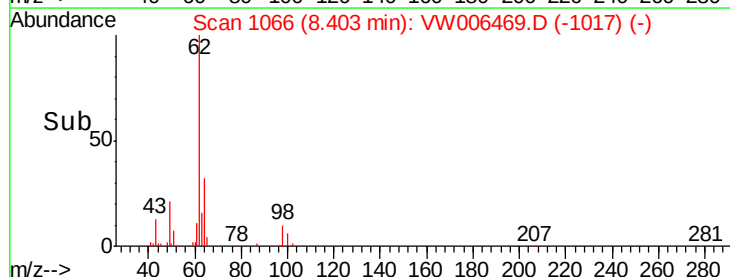
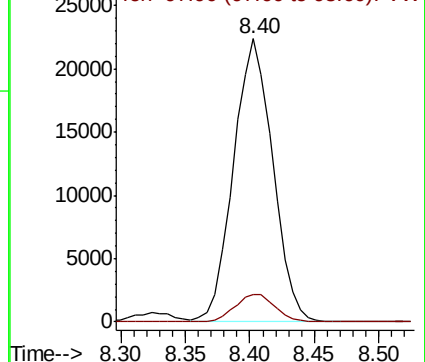
Ion Ratio Lower Upper

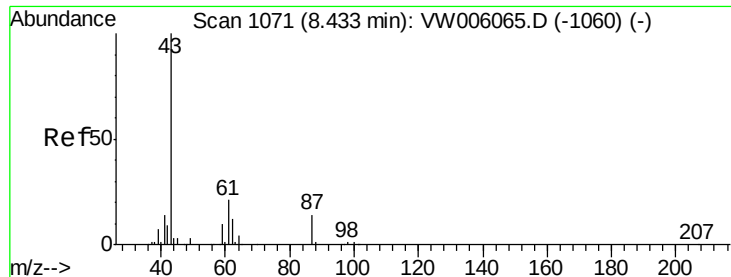
62 100

98 9.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.635 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

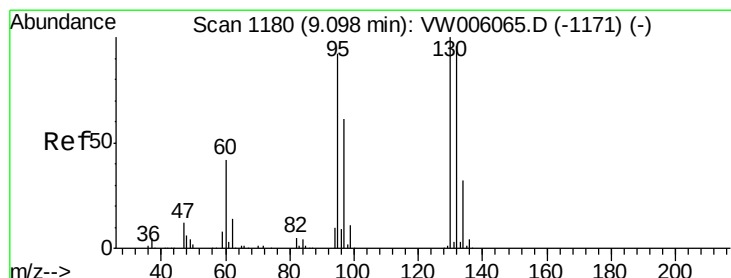
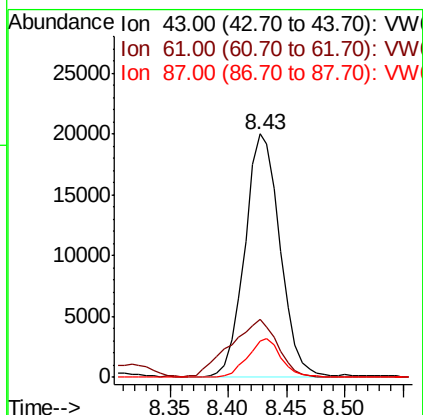
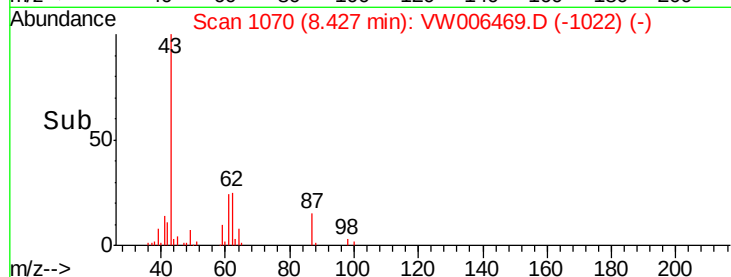
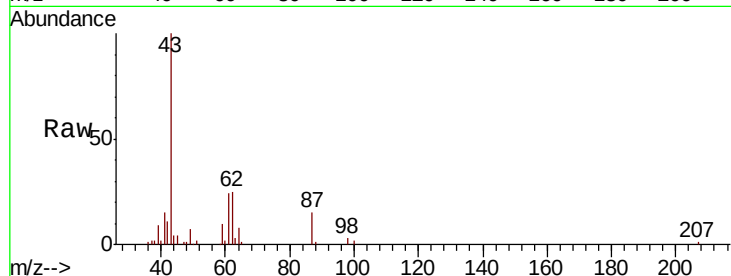
Tot Ion: 43 Resp: 42511

Ion Ratio Lower Upper

43 100

61 31.4 25.5 38.3

87 14.9 11.7 17.5



#44

Trichloroethene

Concen: 23.166 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006469.D

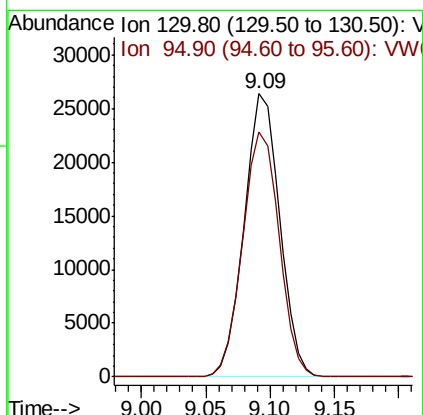
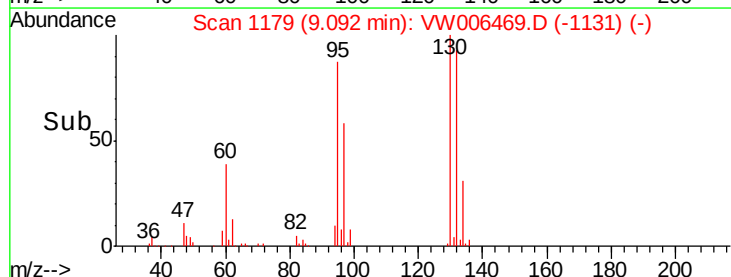
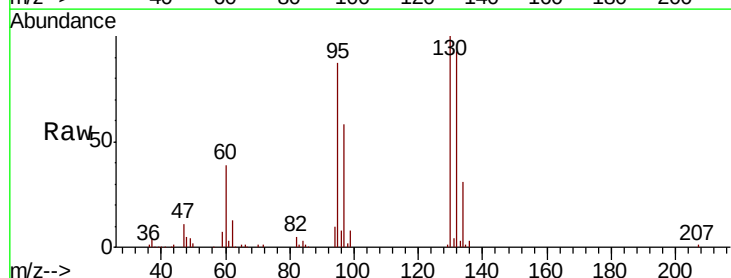
Acq: 29 Oct 2018 23:43

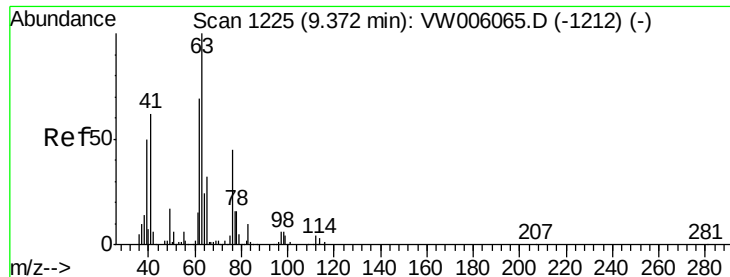
Tgt Ion: 130 Resp: 50426

Ion Ratio Lower Upper

130 100

95 86.7 0.0 183.2





#45

1,2-Dichloropropane

Concen: 22.417 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

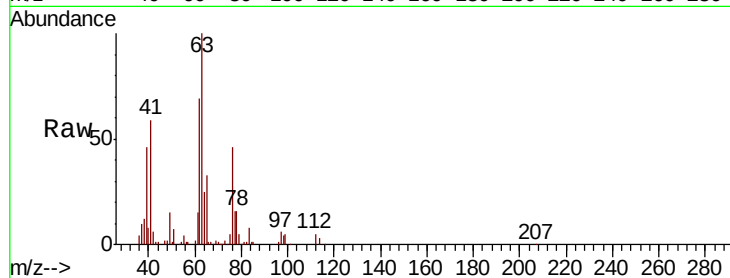
VW1031SBS01

Tot Ion: 63 Resp: 38059

Ion Ratio Lower Upper

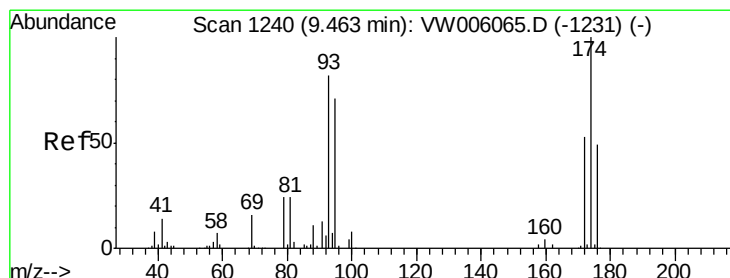
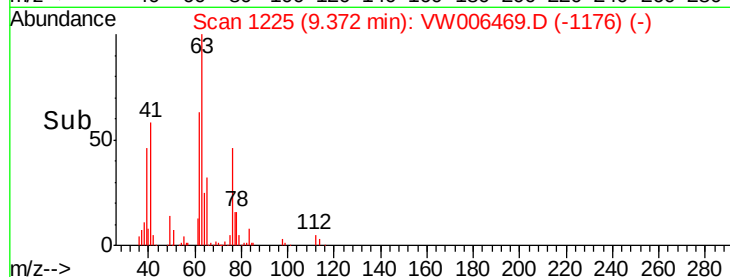
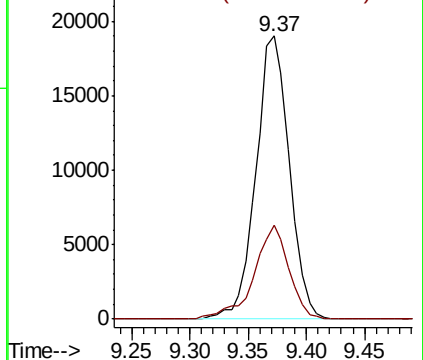
63 100

65 33.4 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 23.035 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

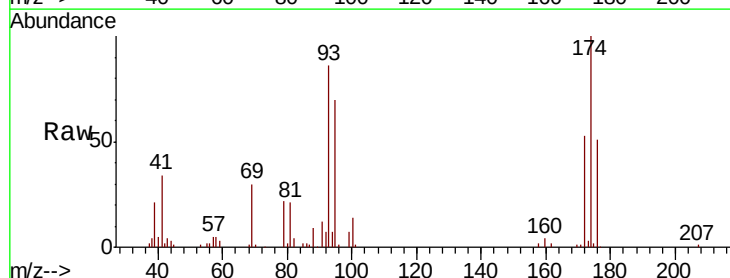
Tgt Ion: 93 Resp: 22290

Ion Ratio Lower Upper

93 100

95 82.3 67.7 101.5

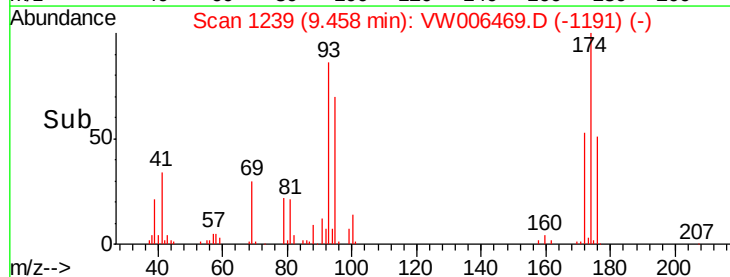
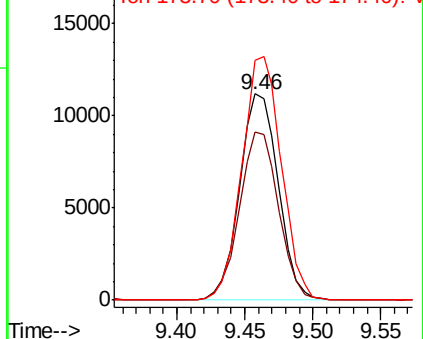
174 120.6 93.7 140.5

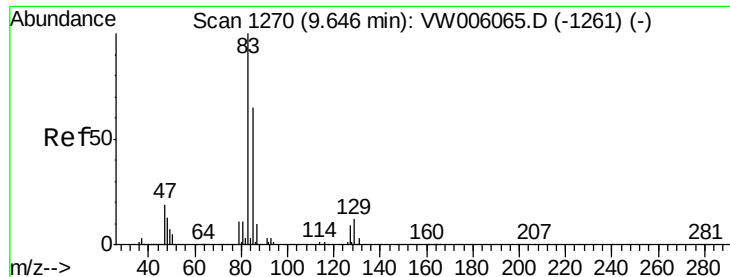


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.655 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

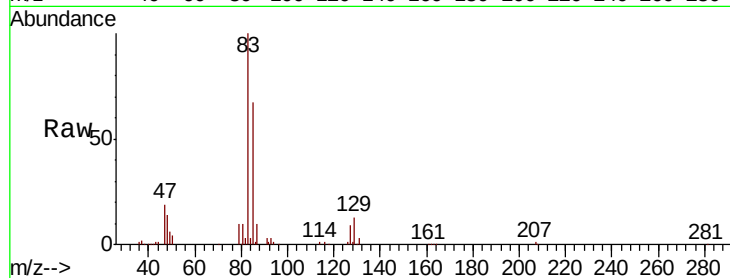
Tot Ion: 83 Resp: 50804

Ion Ratio Lower Upper

83 100

85 66.5 51.8 77.8

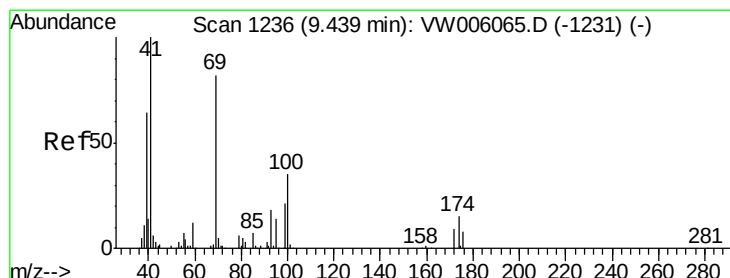
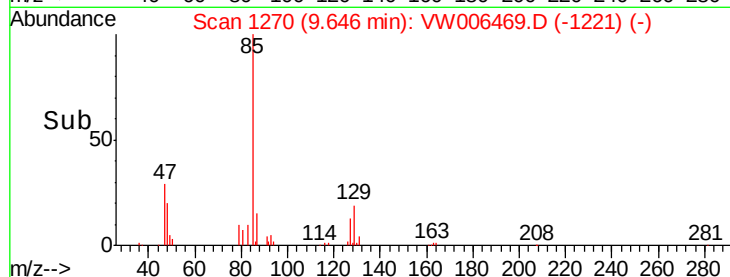
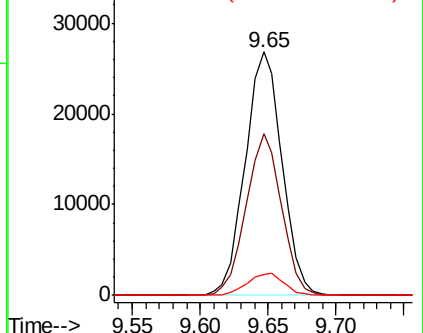
127 8.7 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.139 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

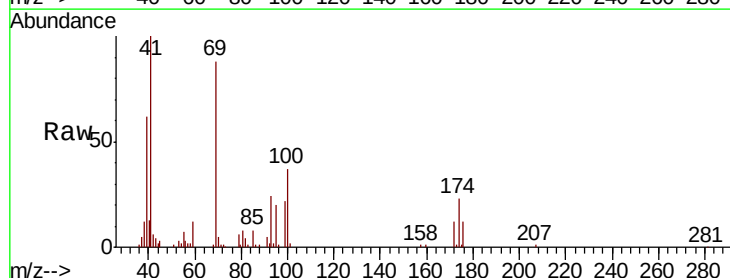
Tgt Ion: 41 Resp: 19689

Ion Ratio Lower Upper

41 100

69 96.9 71.8 107.8

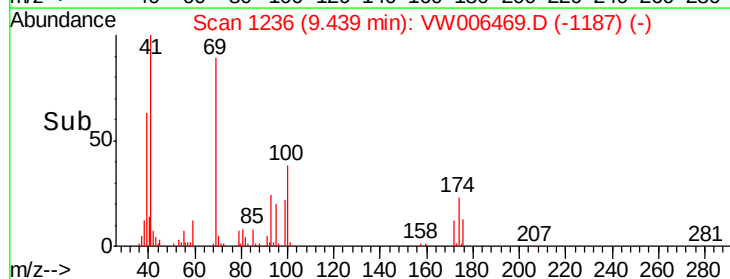
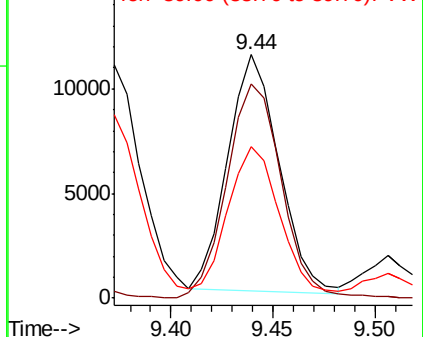
39 65.9 52.5 78.7

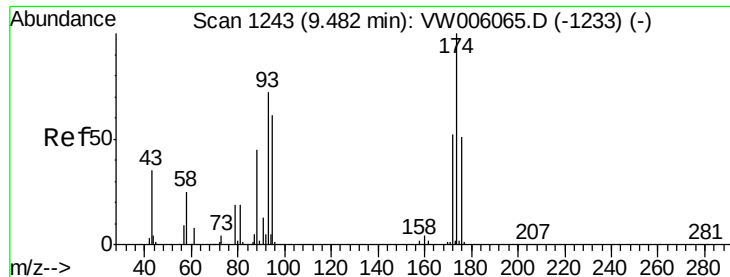


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

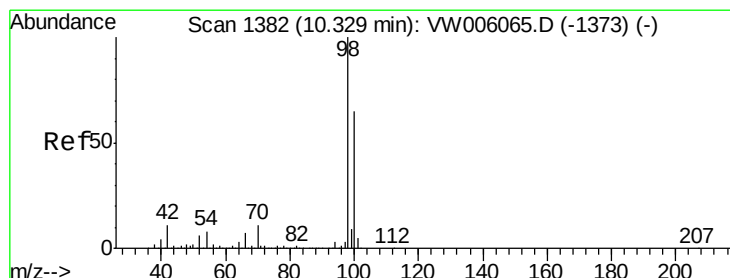
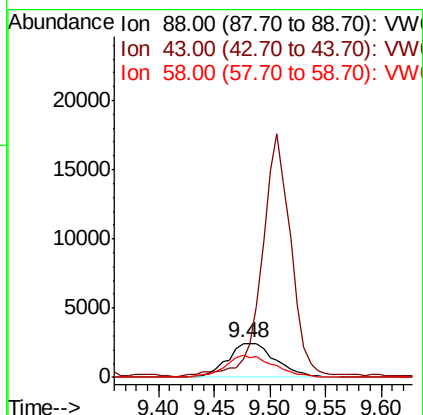
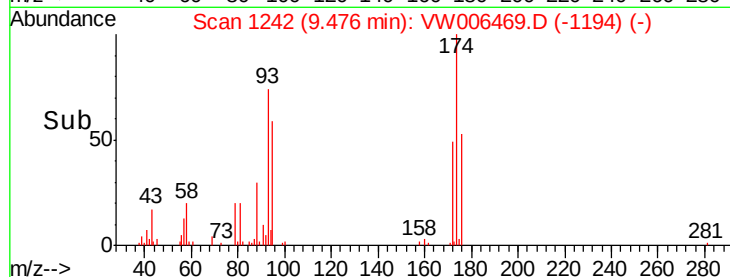
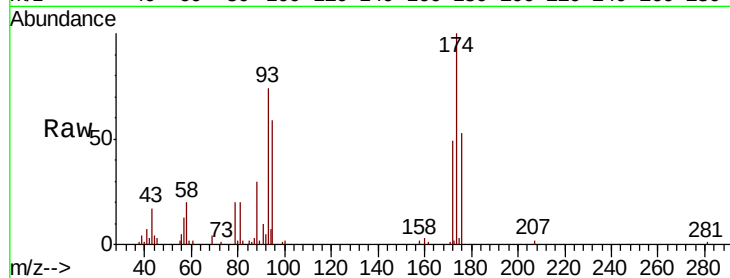




#49
1,4-Dioxane
Concen: 488.355 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

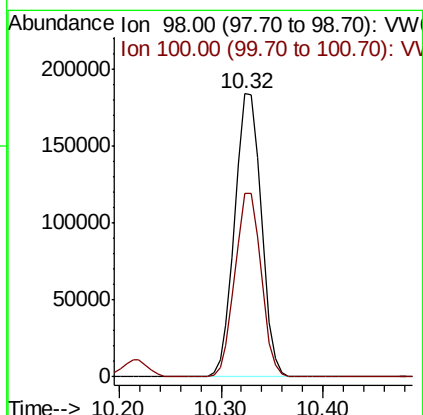
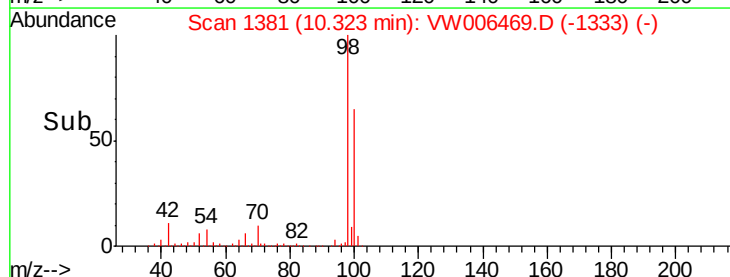
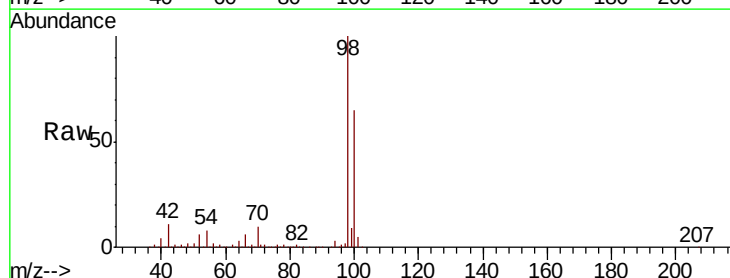
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

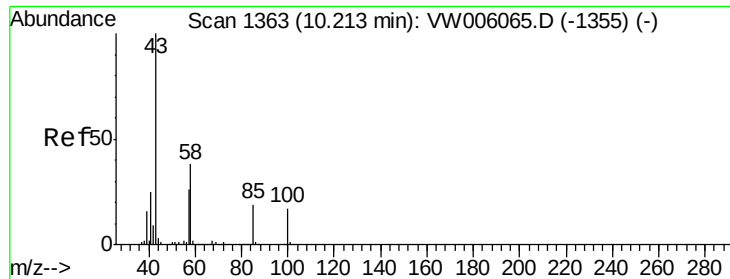
Tot Ion: 88 Resp: 7275
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 65.2 51.2 76.8



#50
Toluene-d8
Concen: 52.582 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 98 Resp: 331714
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 111.318 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

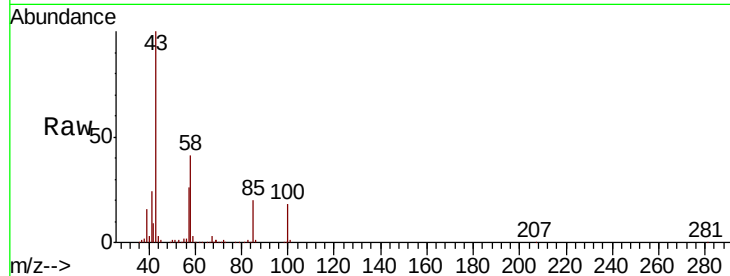
VW1031SBS01

Tot Ion: 43 Resp: 109592

Ion Ratio Lower Upper

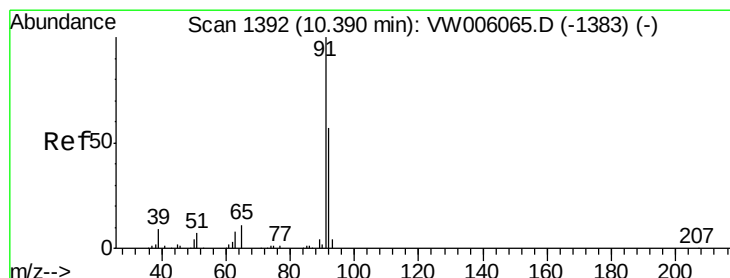
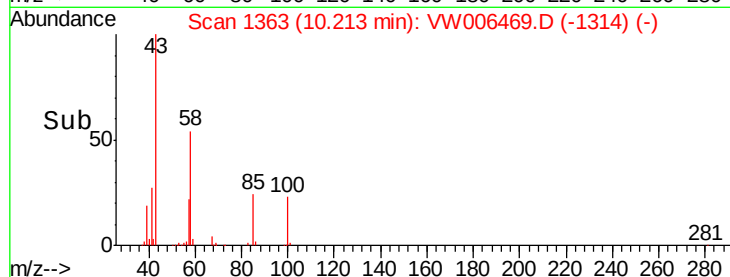
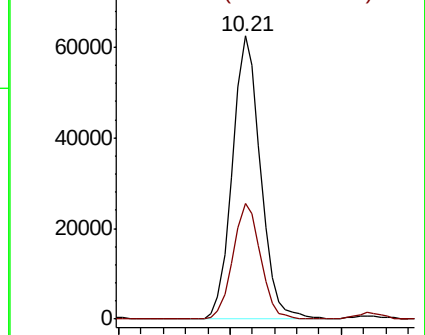
43 100

58 40.2 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.945 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006469.D

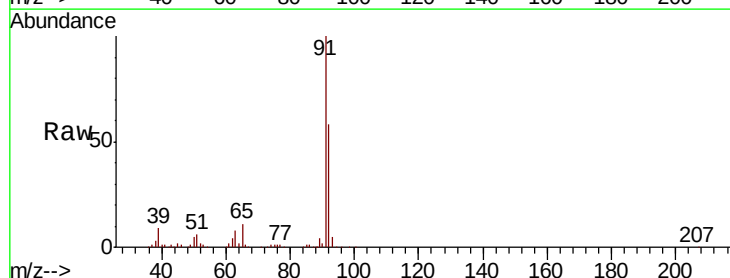
Acq: 29 Oct 2018 23:43

Tgt Ion: 92 Resp: 109145

Ion Ratio Lower Upper

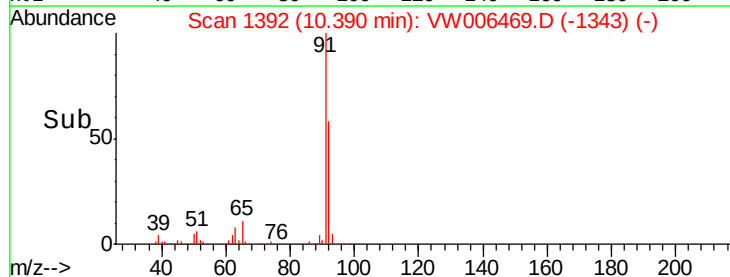
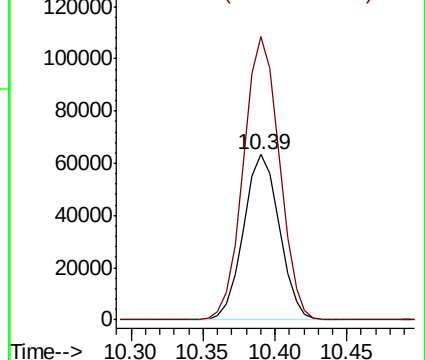
92 100

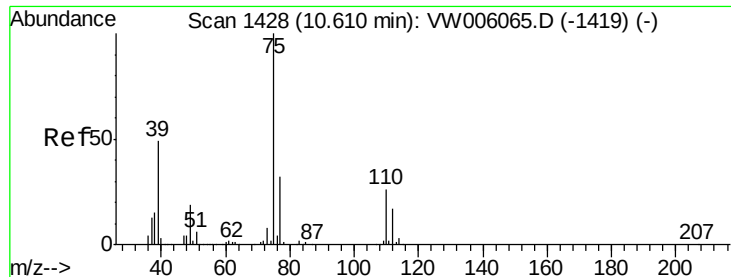
91 172.2 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 21.065 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

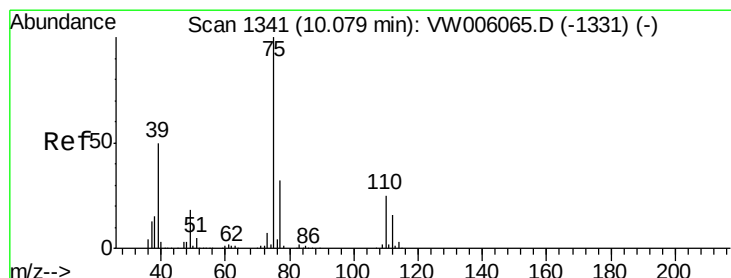
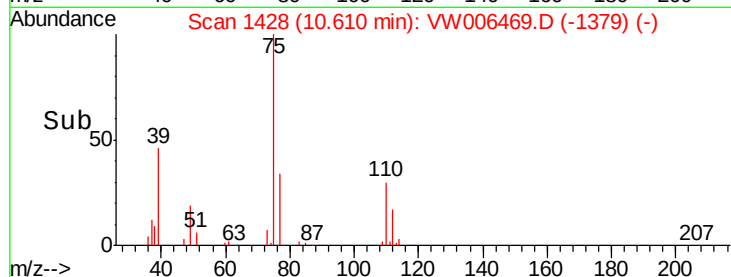
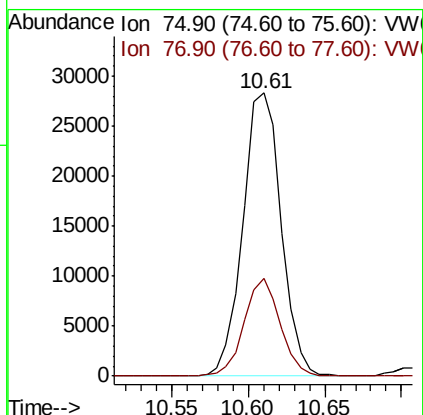
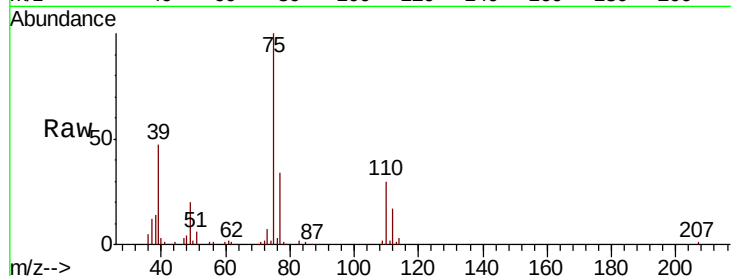
VW1031SBS01

Tot Ion: 75 Resp: 49238

Ion Ratio Lower Upper

75 100

77 34.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 21.312 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

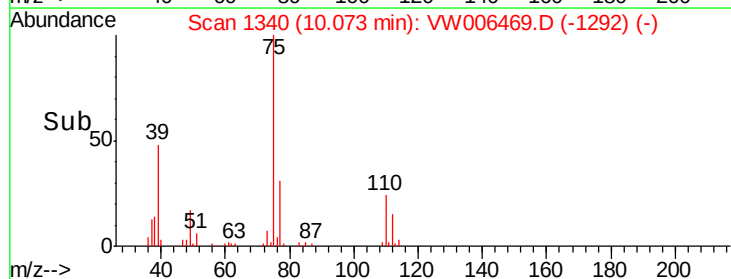
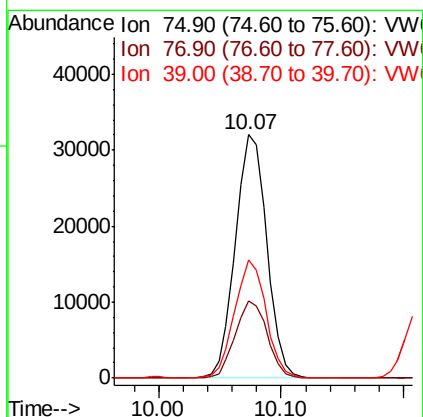
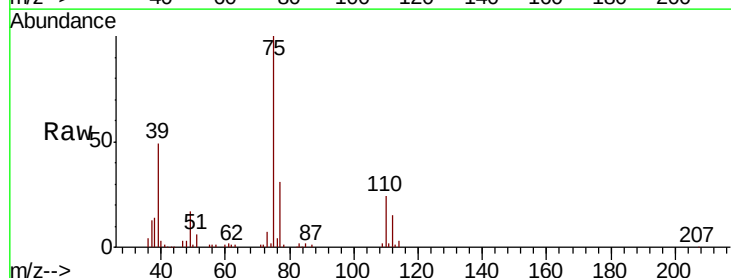
Tgt Ion: 75 Resp: 57172

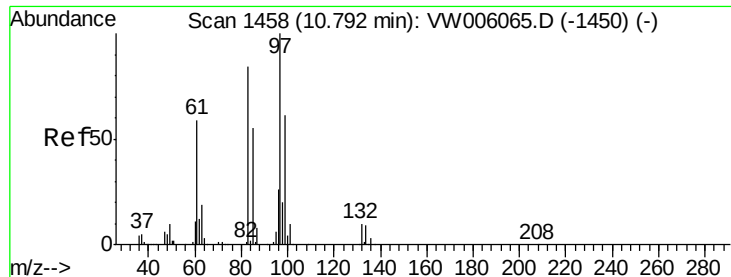
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 48.6 39.9 59.9

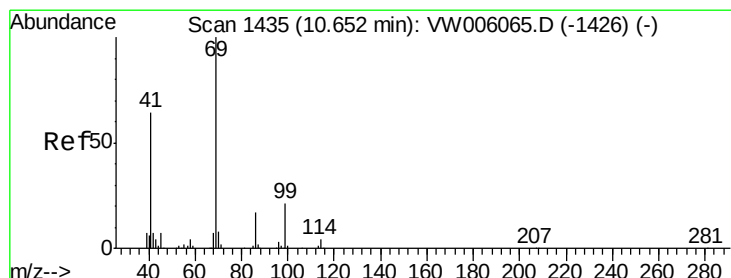
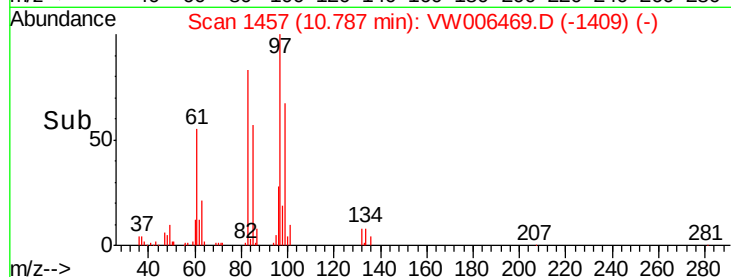
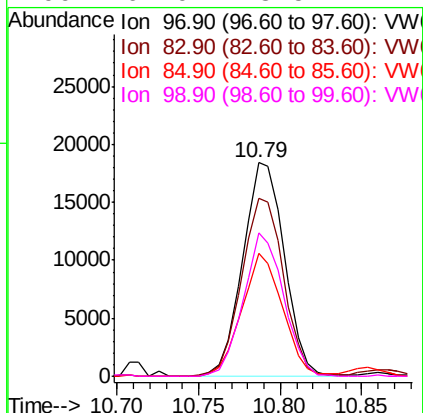
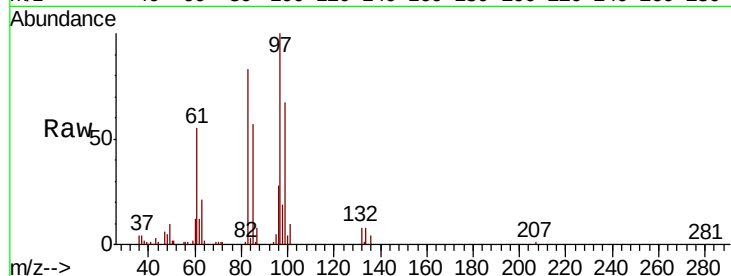




#55
 1,1,2-Trichloroethane
 Concen: 24.190 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

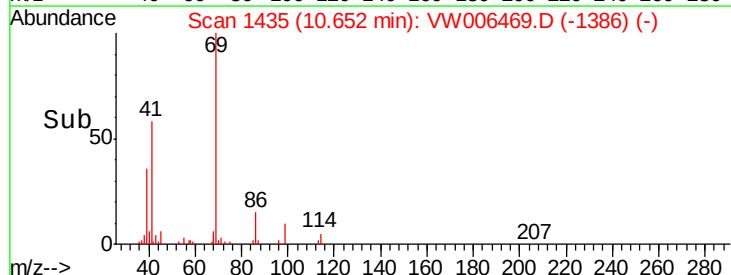
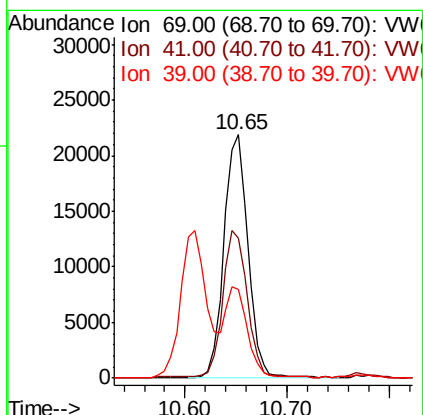
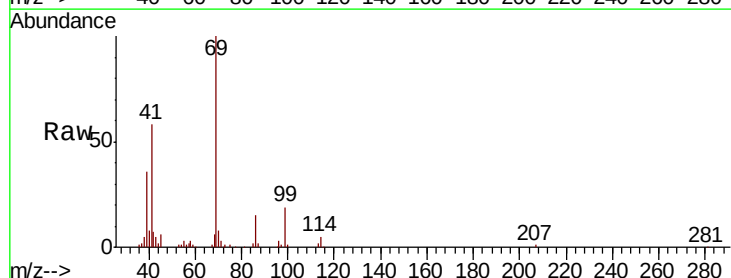
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

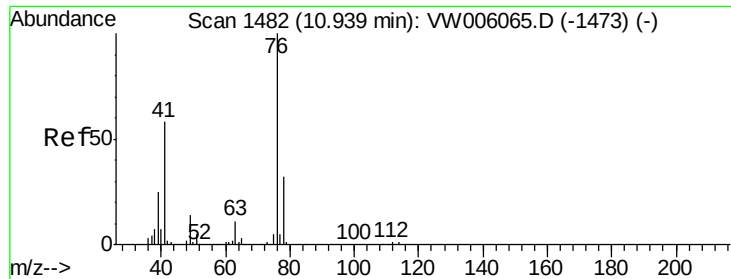
Tot Ion:	97	Resp:	32757
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.2	100.8
85	57.3	43.7	65.5
99	67.0	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 21.551 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion:	69	Resp:	35776
Ion	Ratio	Lower	Upper
69	100		
41	61.7	52.8	79.2
39	33.1	30.6	45.8

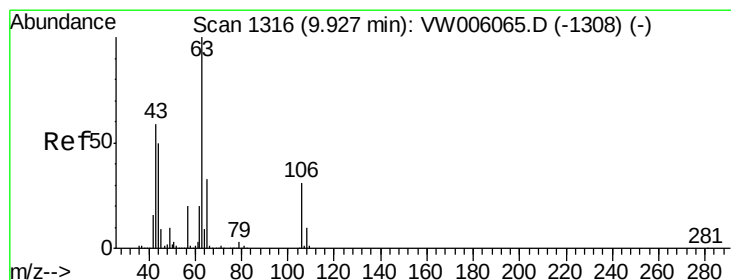
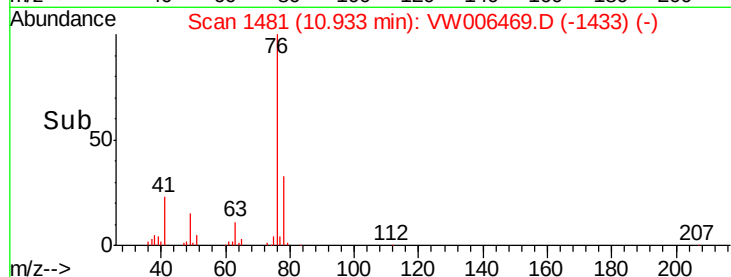
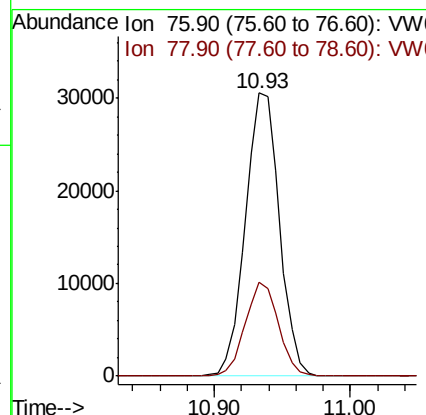
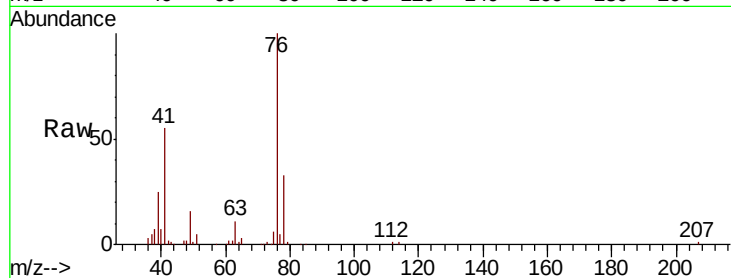




#57
 1,3-Dichloropropane
 Concen: 23.865 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

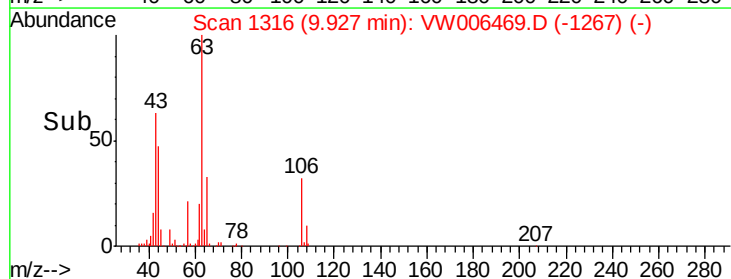
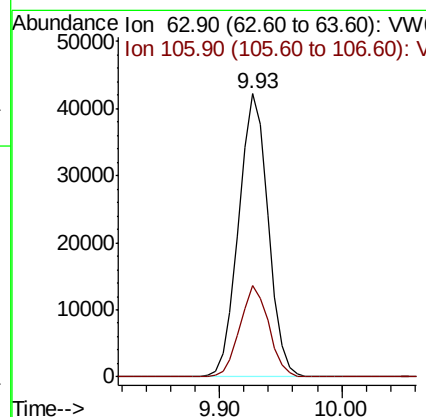
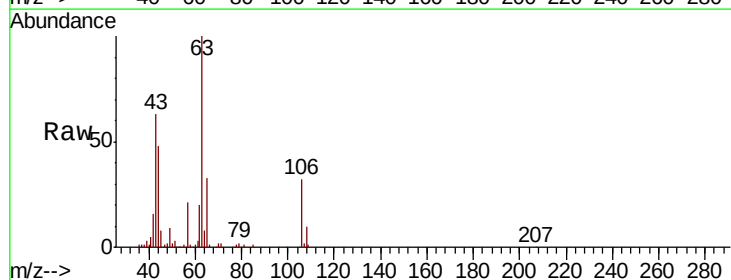
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

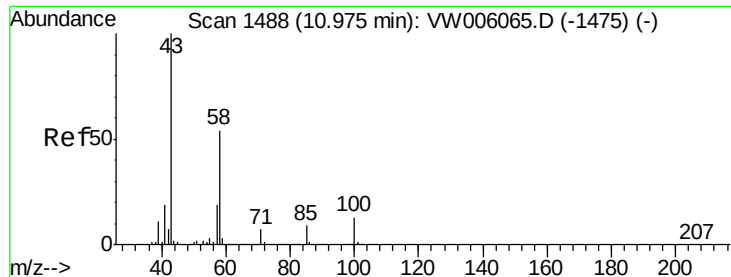
Tot Ion: 76 Resp: 53498
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.871 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion: 63 Resp: 70329
 Ion Ratio Lower Upper
 63 100
 106 31.6 24.5 36.7

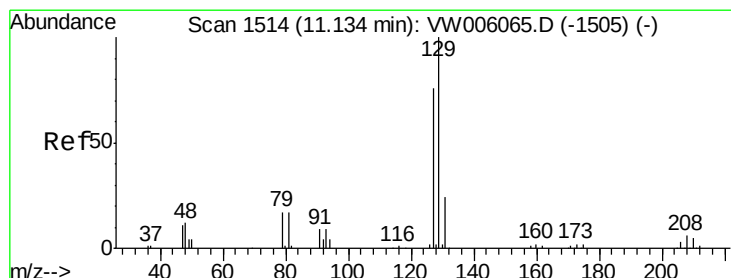
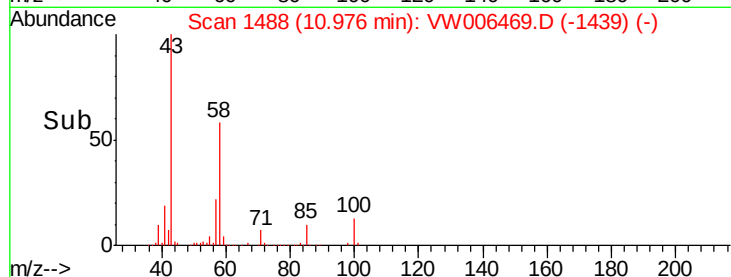
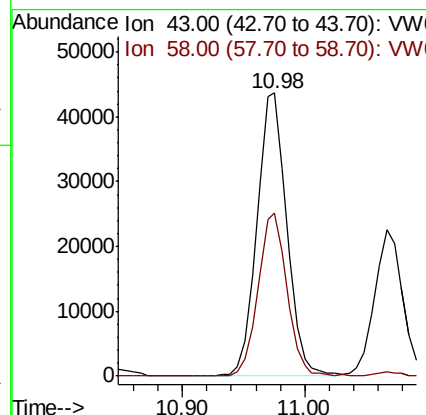
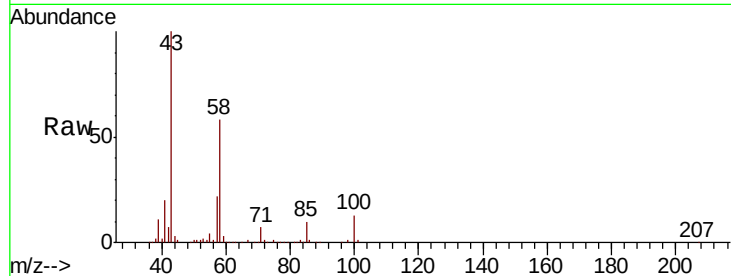




#59
2-Hexanone
Concen: 106.069 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

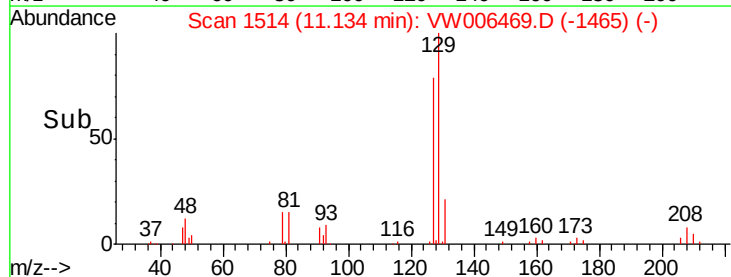
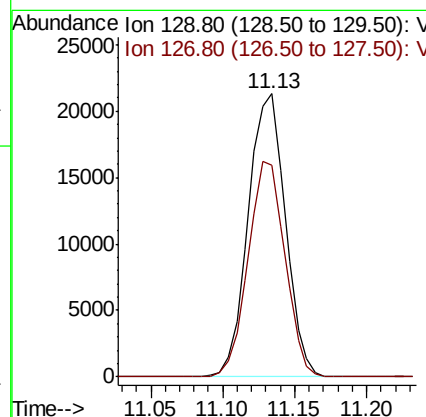
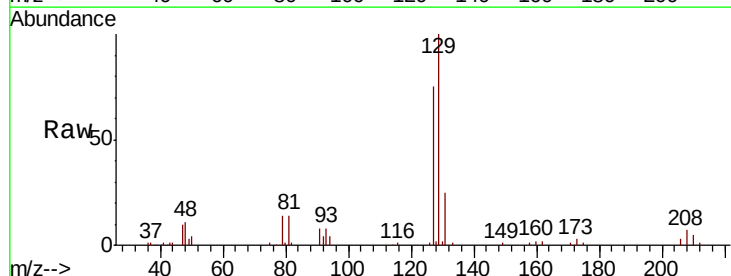
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

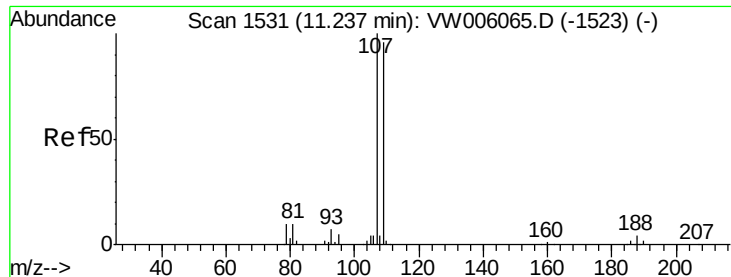
Tot Ion: 43 Resp: 74542
Ion Ratio Lower Upper
43 100
58 55.9 26.9 80.6



#60
Dibromochloromethane
Concen: 22.560 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 129 Resp: 38052
Ion Ratio Lower Upper
129 100
127 75.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 23.434 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

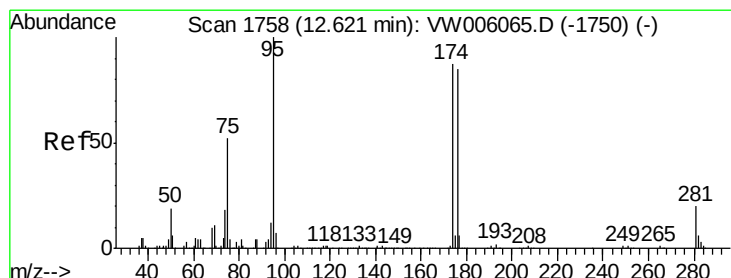
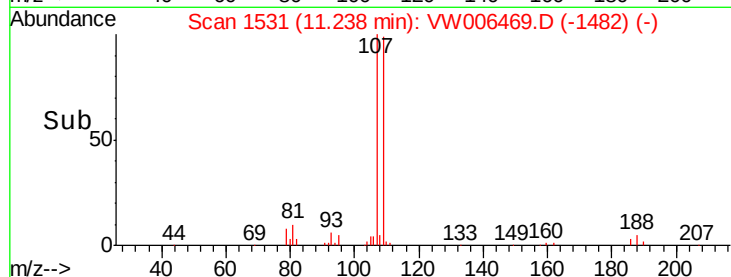
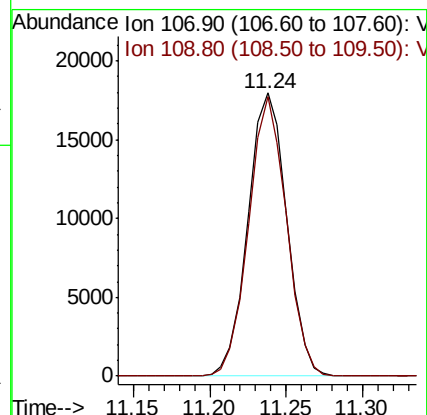
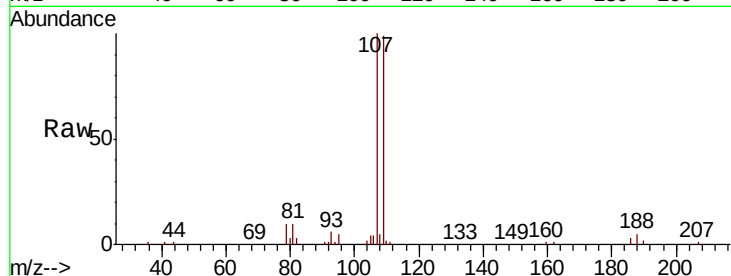
VW1031SBS01

Tot Ion:107 Resp: 31707

Ion Ratio Lower Upper

107 100

109 95.6 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 52.695 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

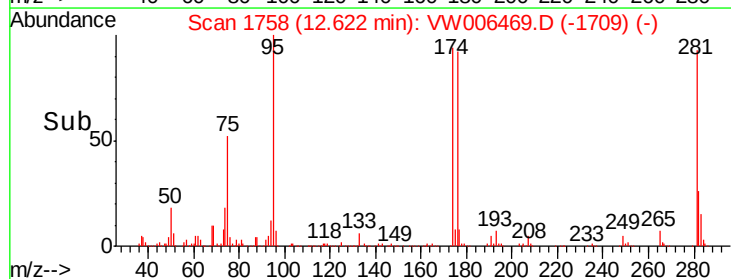
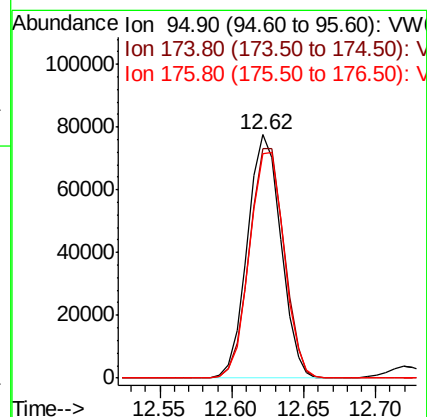
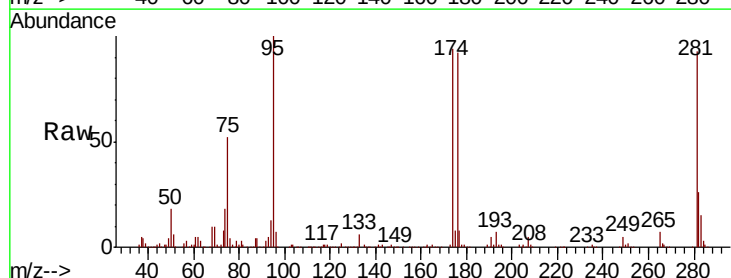
Tgt Ion: 95 Resp: 124857

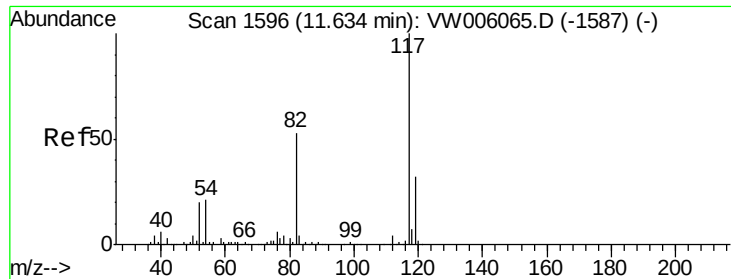
Ion Ratio Lower Upper

95 100

174 97.7 0.0 186.0

176 95.5 0.0 181.6

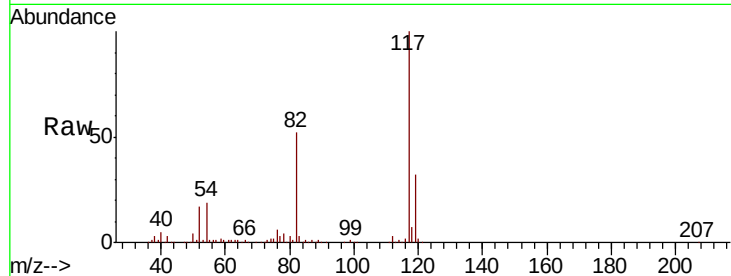




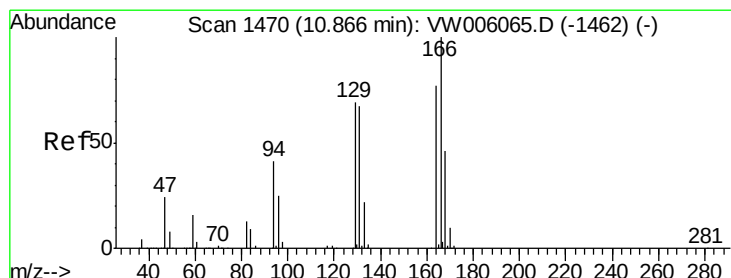
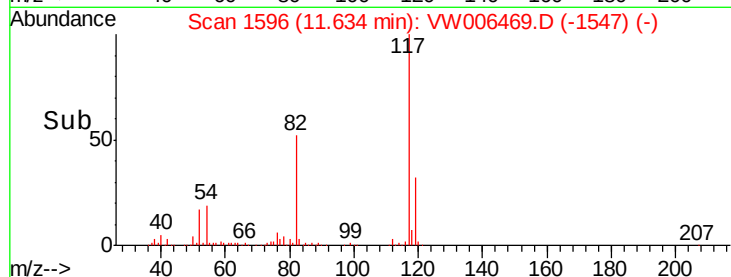
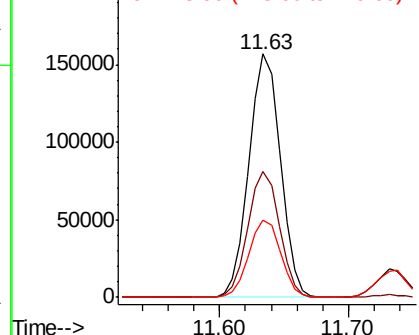
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

Tot Ion:117 Resp: 264865
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 31.7 25.8 38.6

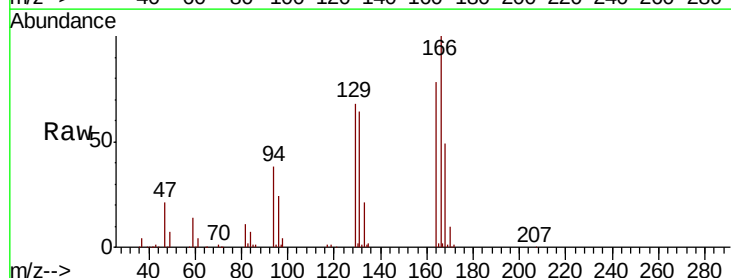


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

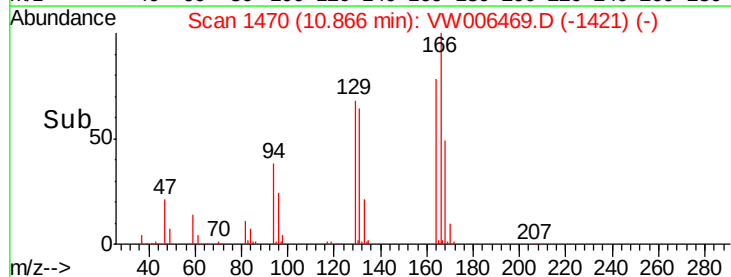
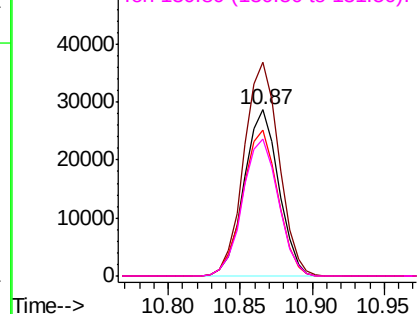


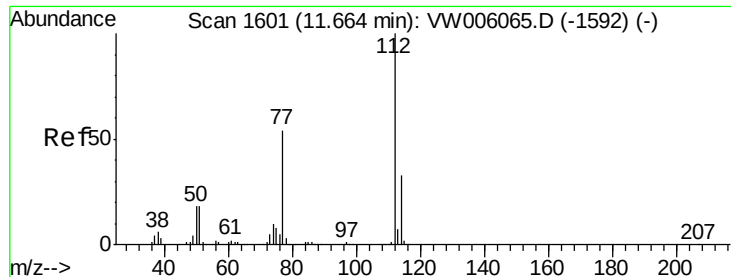
#64
Tetrachloroethene
Concen: 23.230 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion:164 Resp: 47764
Ion Ratio Lower Upper
164 100
166 128.6 103.4 155.0
129 88.0 71.8 107.8
131 82.3 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 22.982 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

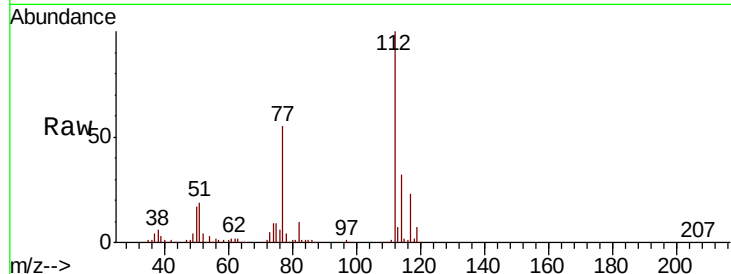
VW1031SBS01

Tot Ion:112 Resp: 130310

Ion Ratio Lower Upper

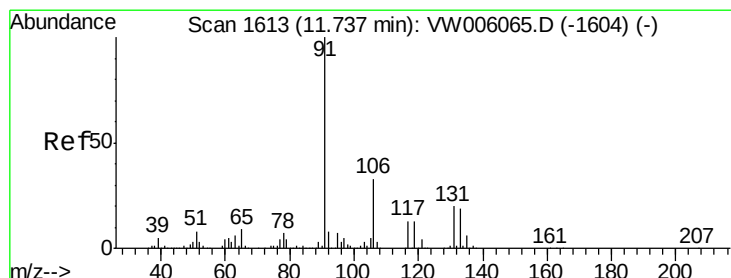
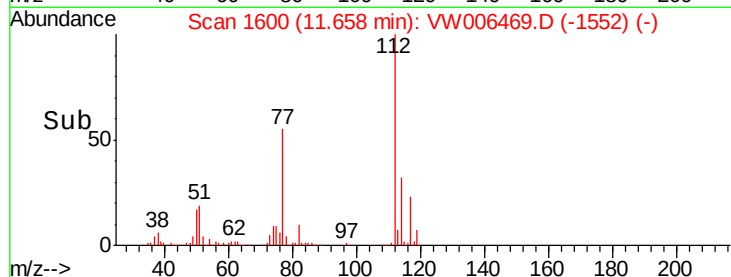
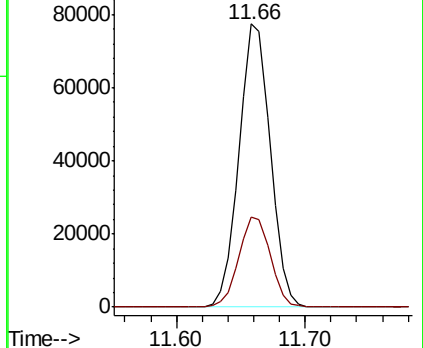
112 100

114 31.8 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: 22.405 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

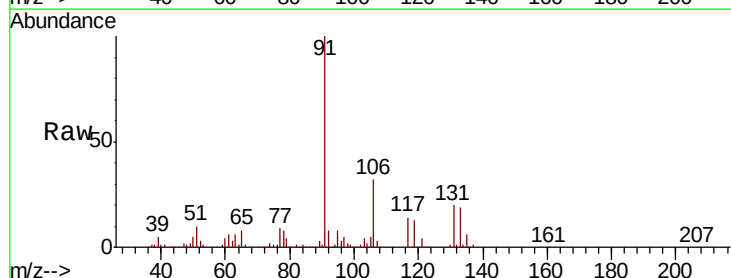
Tgt Ion:131 Resp: 45147

Ion Ratio Lower Upper

131 100

133 96.0 48.1 144.3

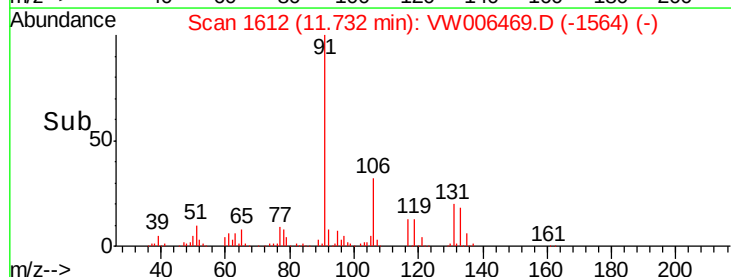
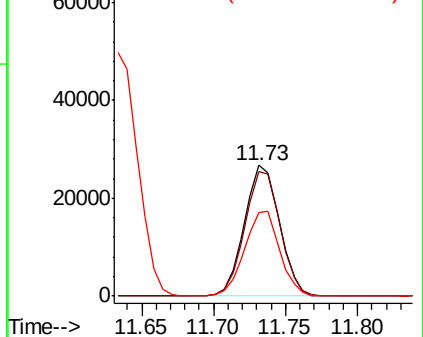
119 64.8 31.6 94.7

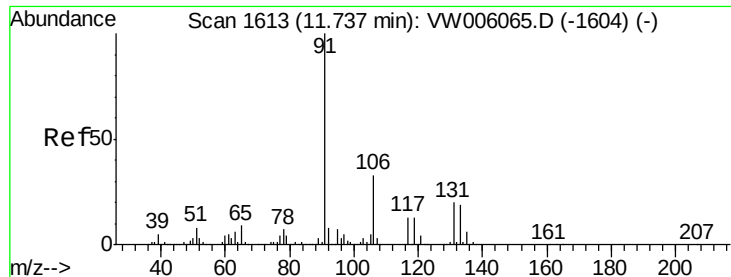


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.069 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

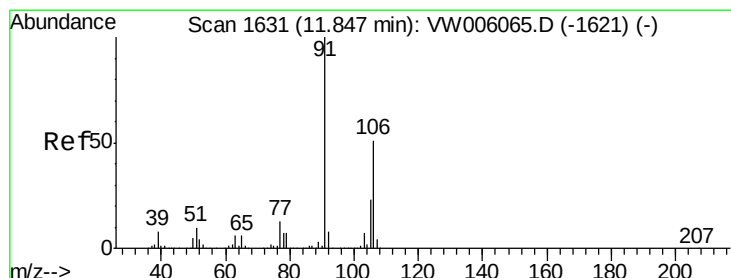
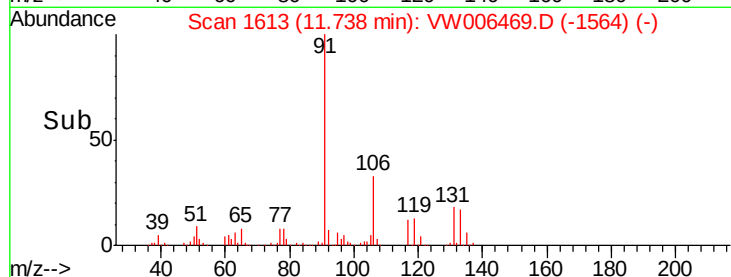
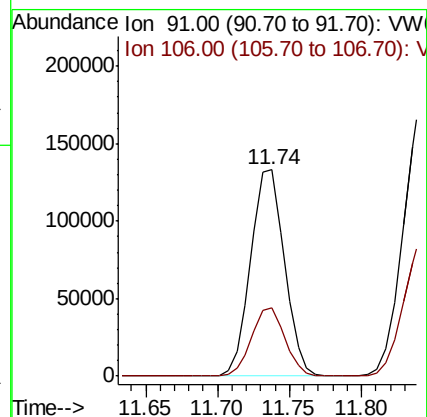
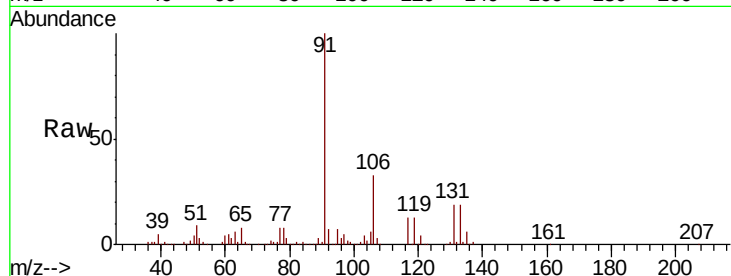
VW1031SBS01

Tot Ion: 91 Resp: 216854

Ion Ratio Lower Upper

91 100

106 33.0 26.1 39.1



#68

m/p-Xylenes

Concen: 44.067 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006469.D

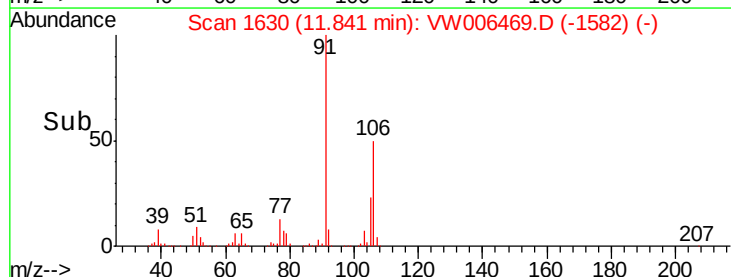
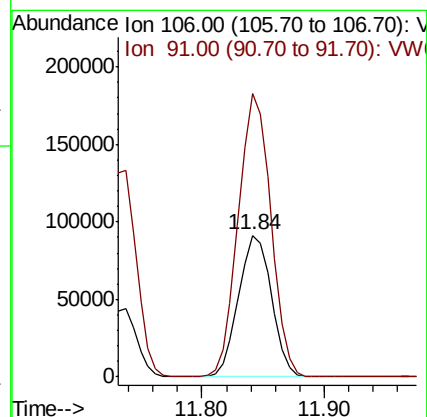
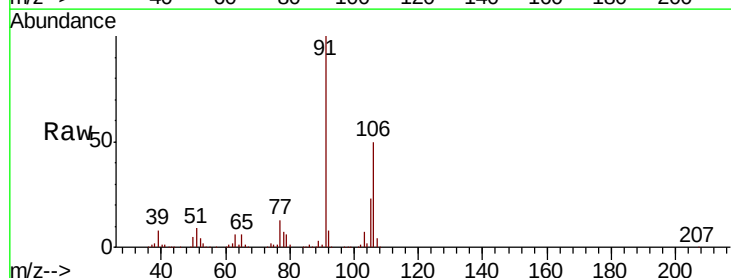
Acq: 29 Oct 2018 23:43

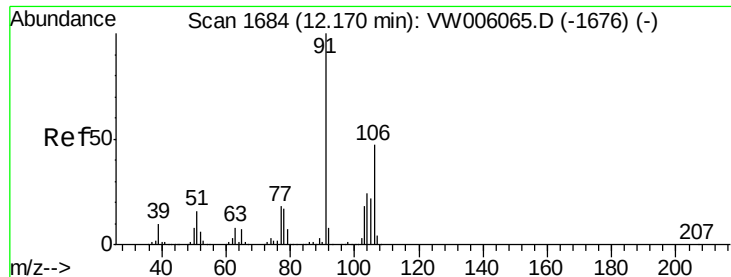
Tgt Ion: 106 Resp: 171150

Ion Ratio Lower Upper

106 100

91 197.6 159.1 238.7

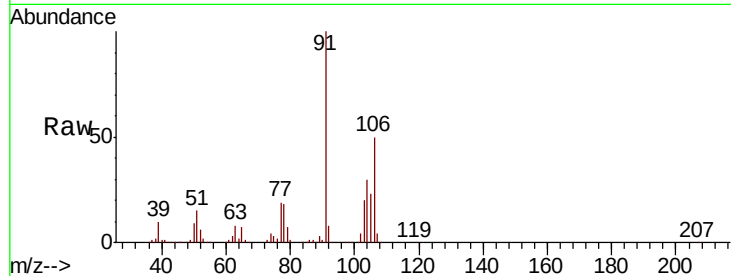




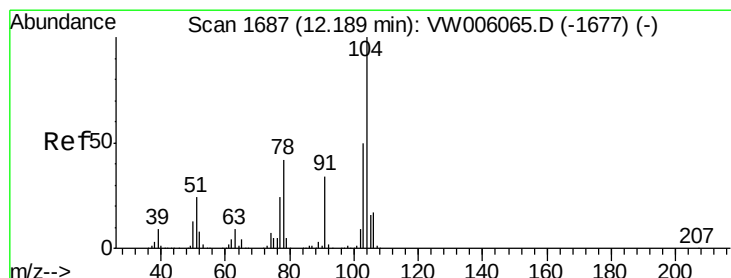
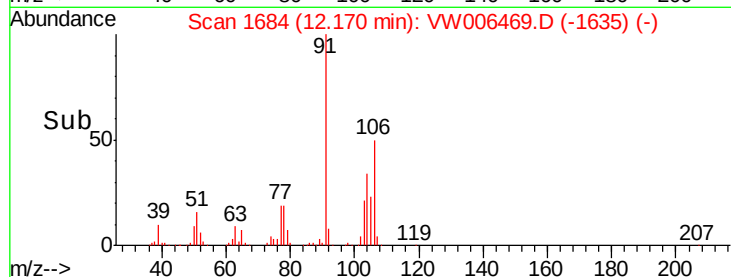
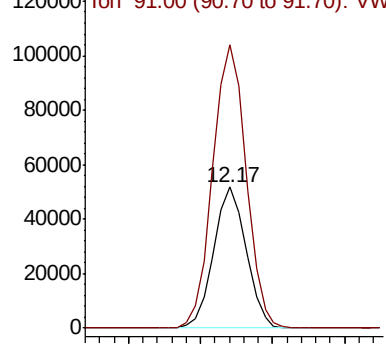
#69
o-Xylene
Concen: 21.846 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

Tot Ion:106 Resp: 80861
Ion Ratio Lower Upper
106 100
91 206.5 105.4 316.1

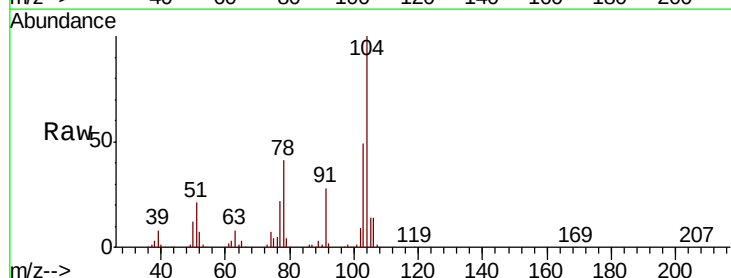


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

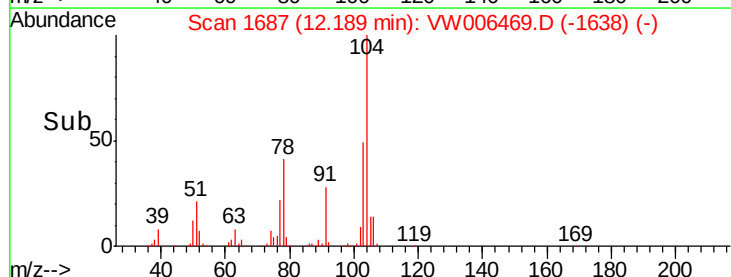
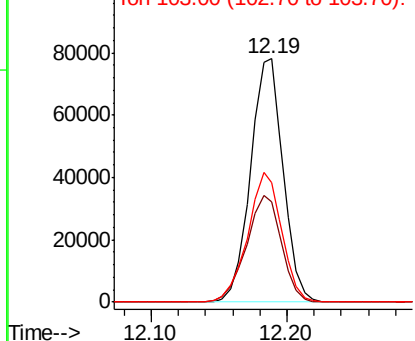


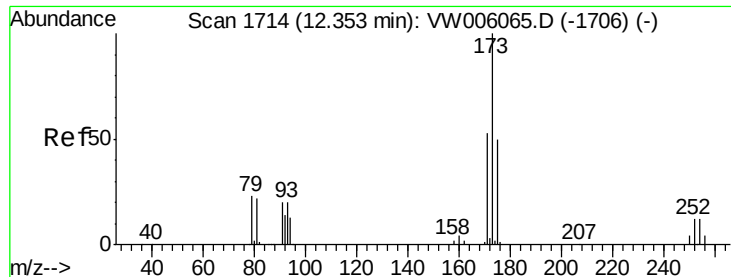
#70
Styrene
Concen: 21.864 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion:104 Resp: 131600
Ion Ratio Lower Upper
104 100
78 47.0 39.1 58.7
103 55.5 44.3 66.5



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





#71

Bromoform

Concen: 20.798 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

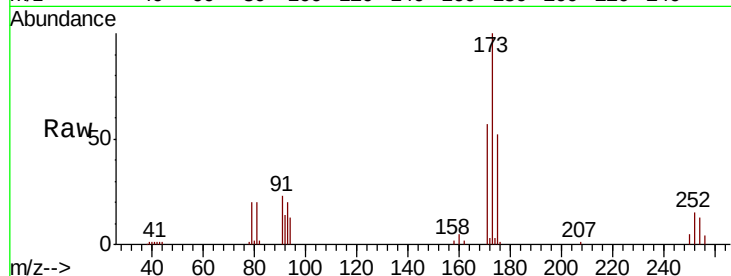
Tot Ion:173 Resp: 23375

Ion Ratio Lower Upper

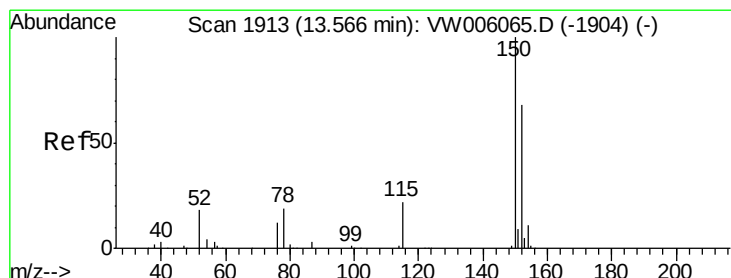
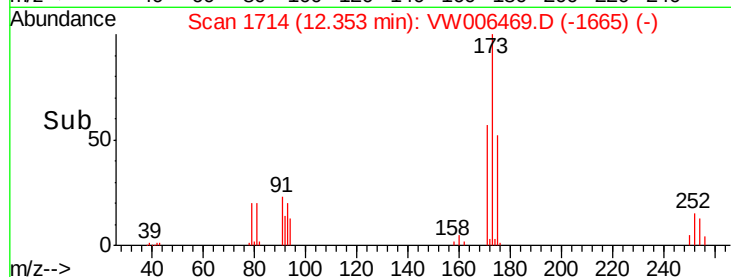
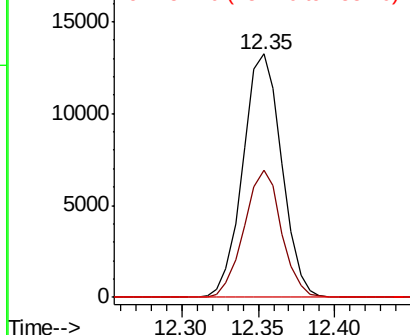
173 100

175 50.0 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

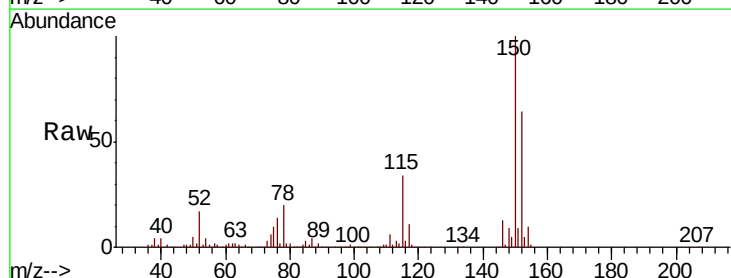
Tgt Ion:152 Resp: 149785

Ion Ratio Lower Upper

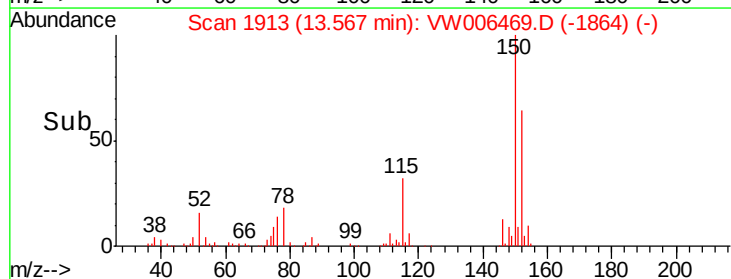
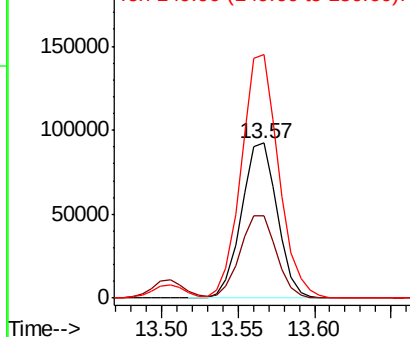
152 100

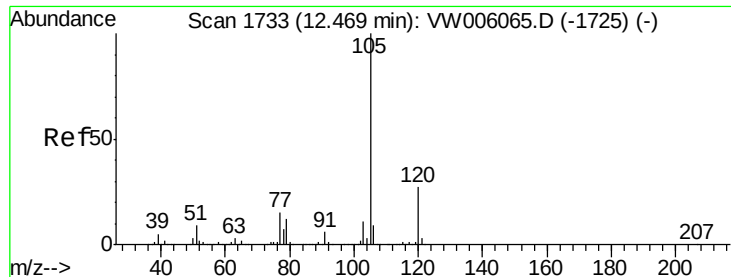
115 54.2 27.8 83.3

150 163.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.230 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

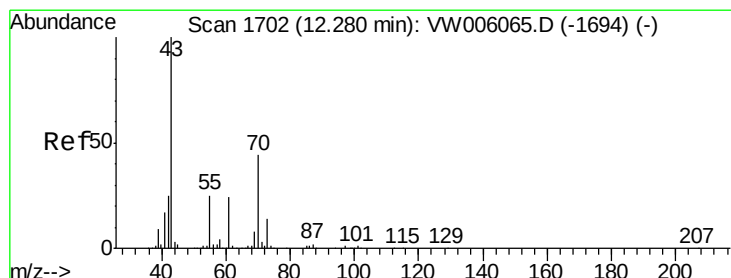
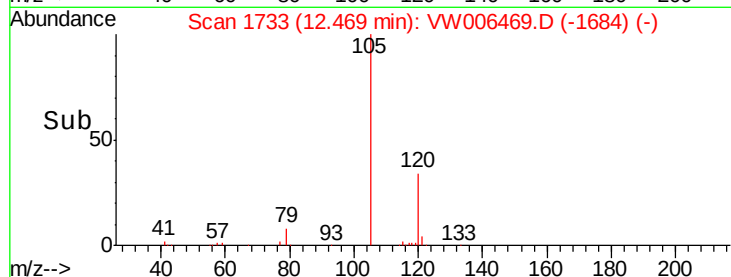
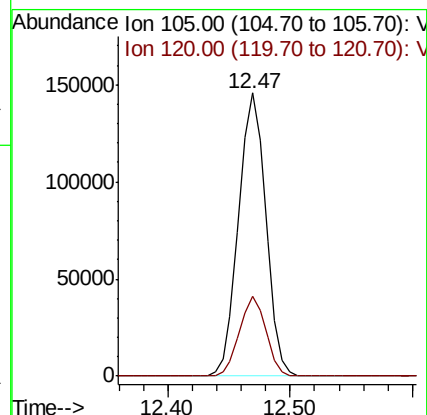
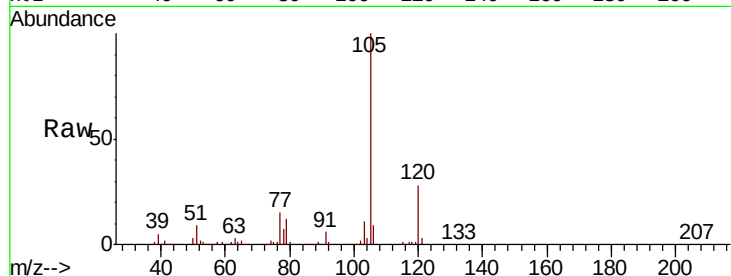
VW1031SBS01

Tot Ion:105 Resp: 224654

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.7



#74

N-ethyl acetate

Concen: 18.897 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Tgt Ion: 43 Resp: 38839

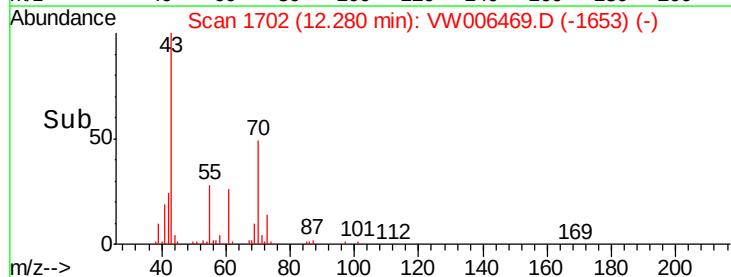
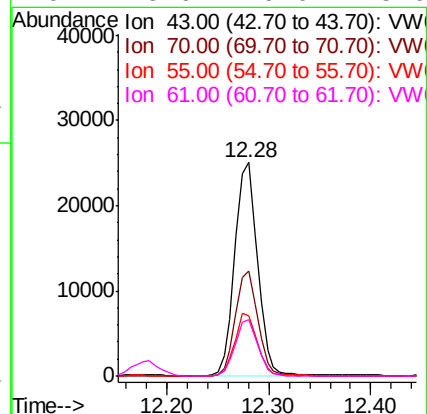
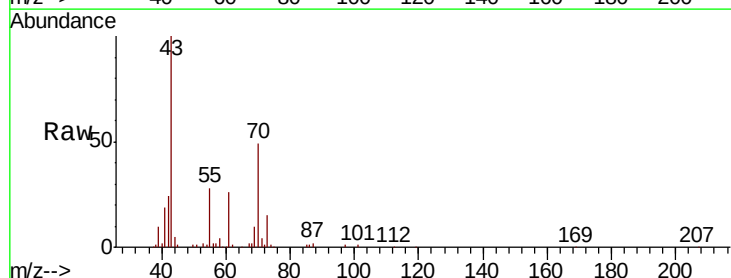
Ion Ratio Lower Upper

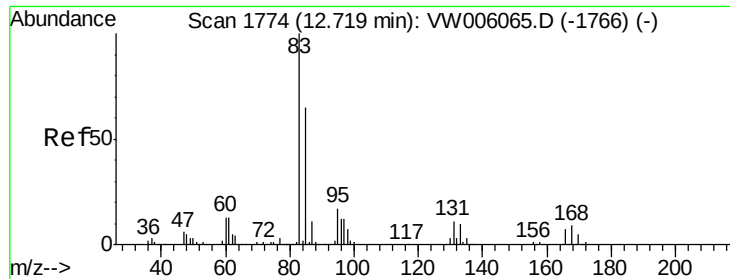
43 100

70 48.1 34.2 51.4

55 28.9 19.2 28.8#

61 25.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.060 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

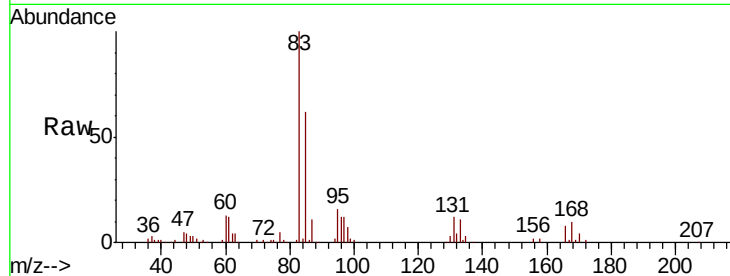
Tot Ion: 83 Resp: 37114

Ion Ratio Lower Upper

83 100

131 12.7 5.9 17.7

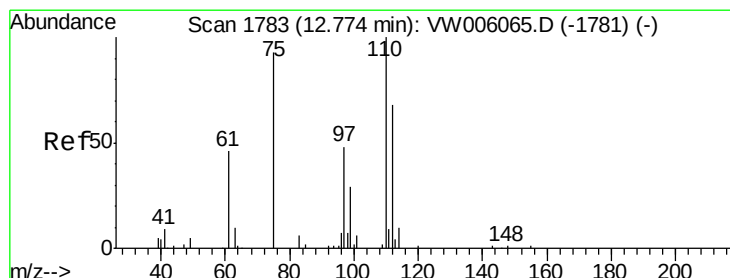
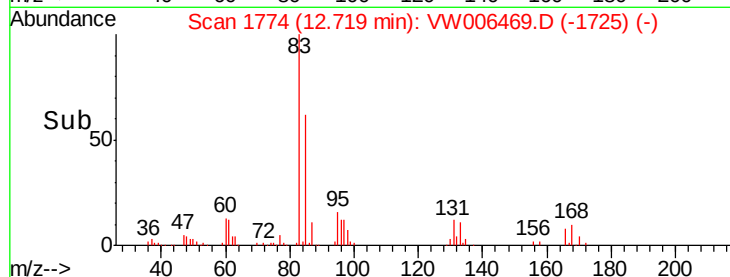
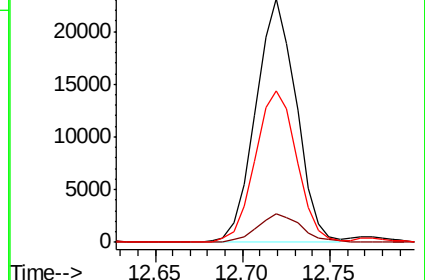
85 63.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.035 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006469.D

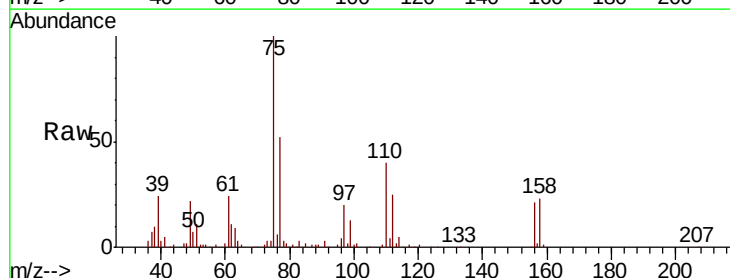
Acq: 29 Oct 2018 23:43

Tgt Ion: 75 Resp: 45802

Ion Ratio Lower Upper

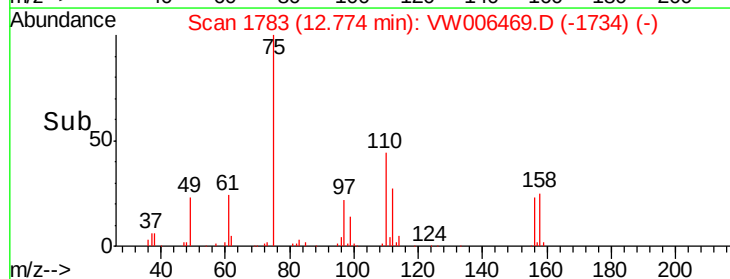
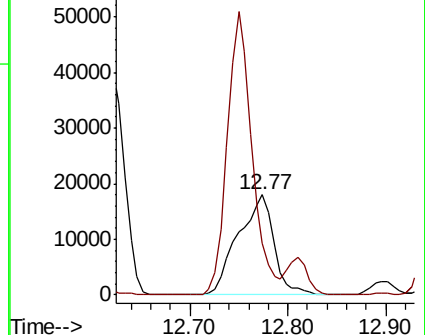
75 100

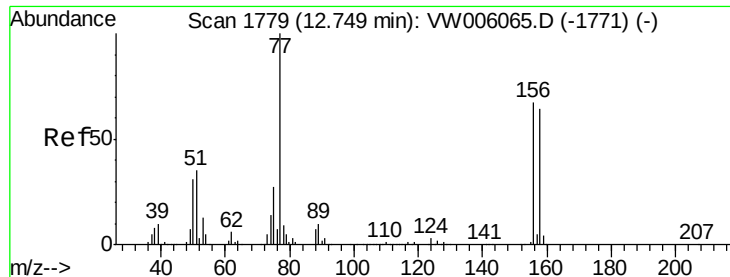
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

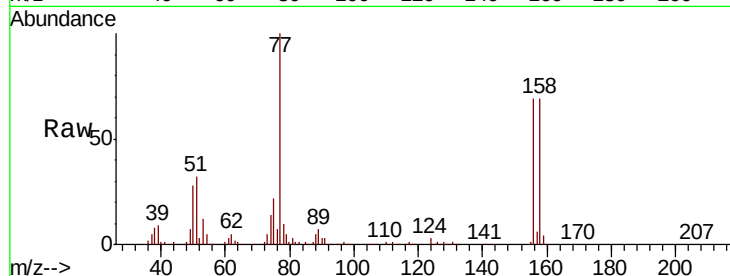




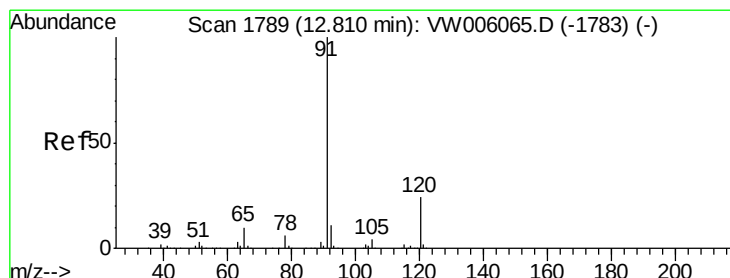
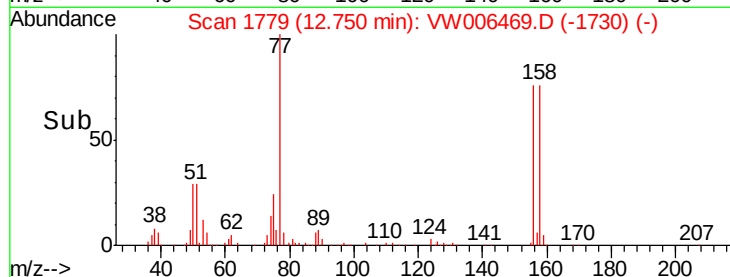
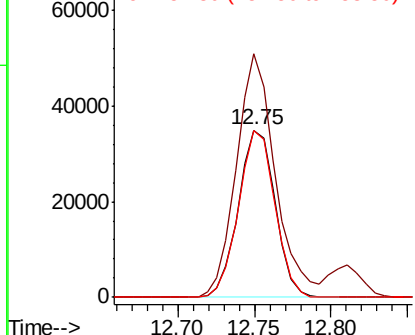
#77
Bromobenzene
Concen: 22.509 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

Tot Ion:156 Resp: 58340
Ion Ratio Lower Upper
156 100
77 154.2 79.1 237.4
158 98.8 48.5 145.6

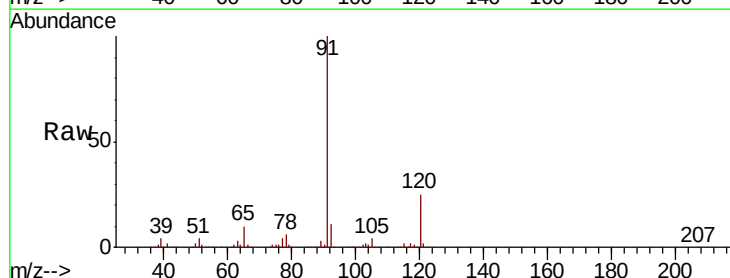


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

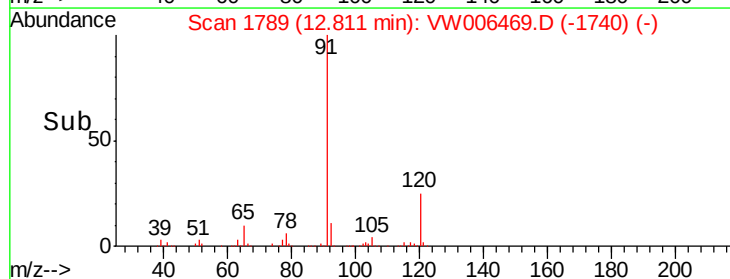
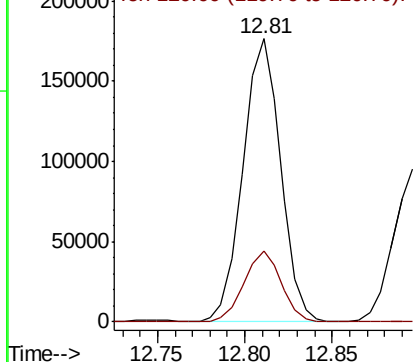


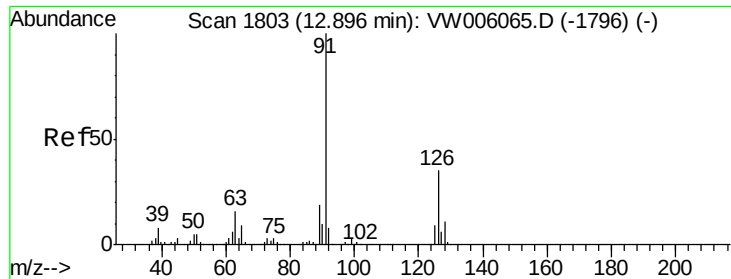
#78
n-propylbenzene
Concen: 21.514 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 91 Resp: 264858
Ion Ratio Lower Upper
91 100
120 24.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

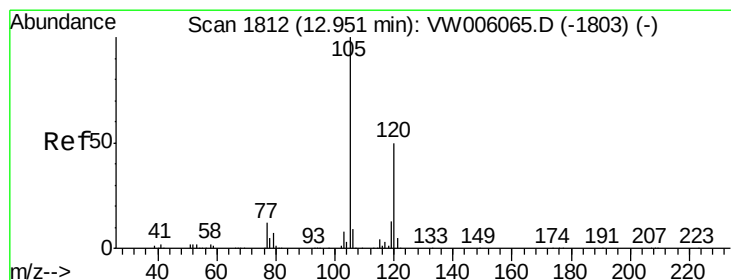
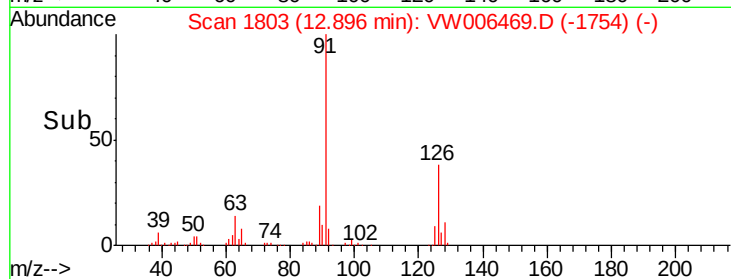
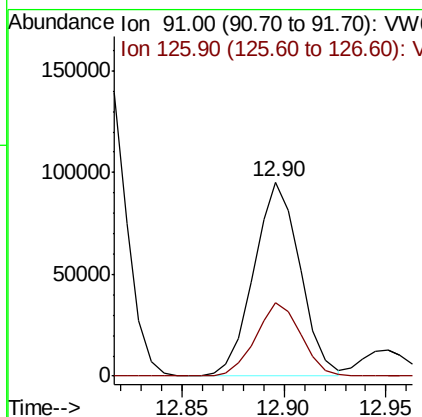
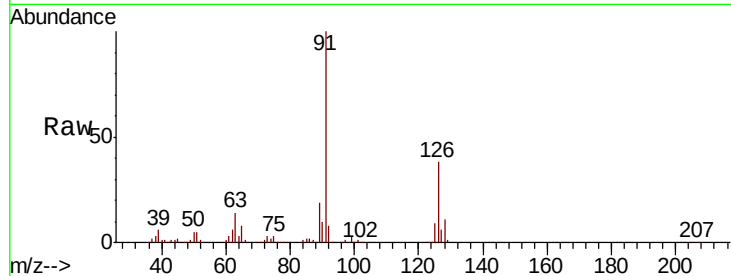




#79
 2-Chlorotoluene
 Concen: 21.687 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

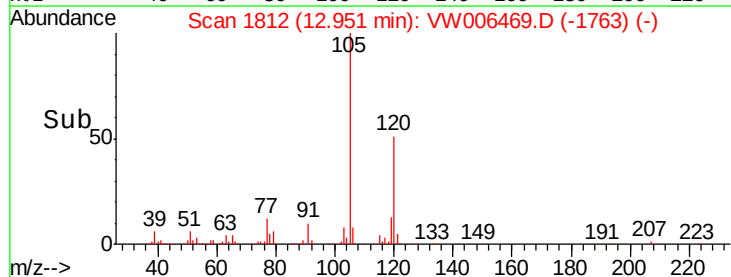
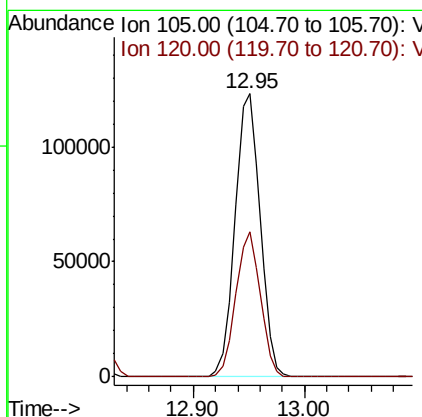
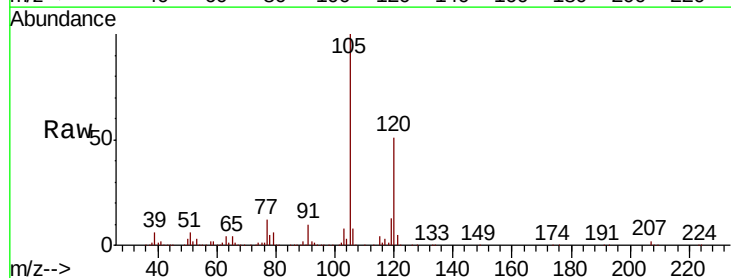
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

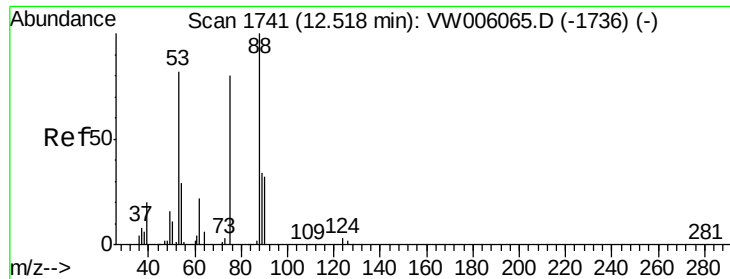
Tot Ion: 91 Resp: 150010
 Ion Ratio Lower Upper
 91 100
 126 37.3 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.492 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion:105 Resp: 191724
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.410 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

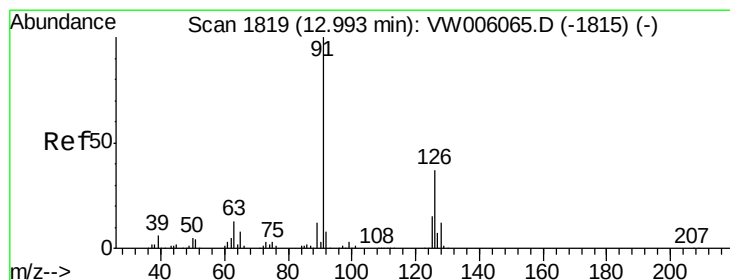
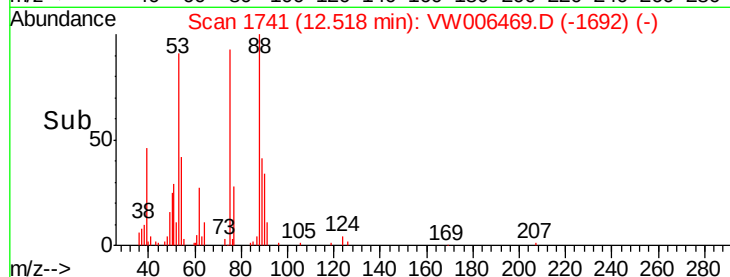
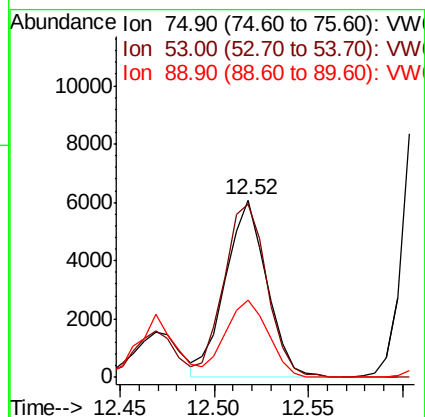
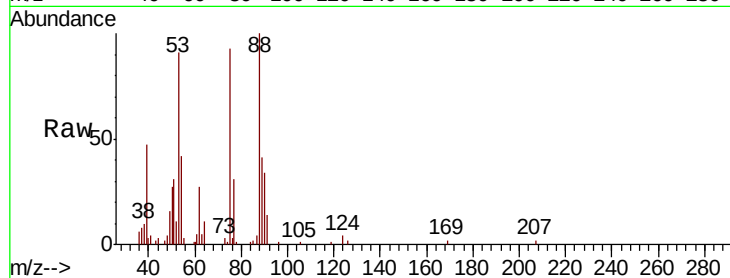
Tot Ion: 75 Resp: 9290

Ion Ratio Lower Upper

75 100

53 102.1 79.8 119.6

89 44.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 21.908 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006469.D

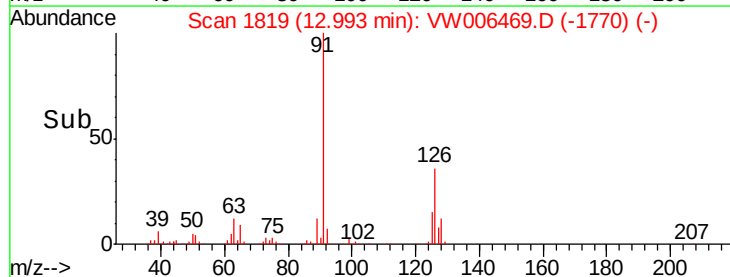
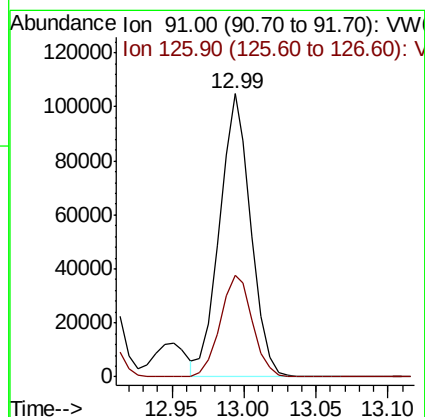
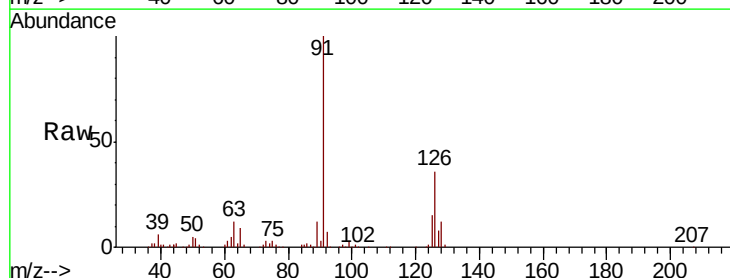
Acq: 29 Oct 2018 23:43

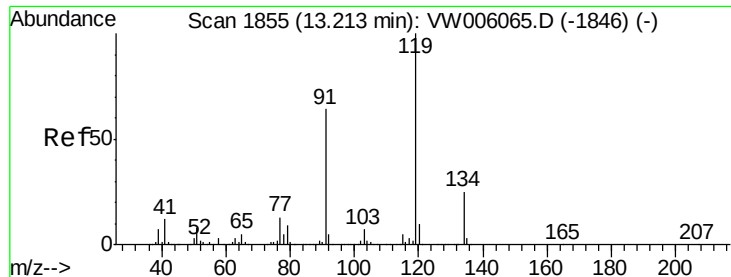
Tgt Ion: 91 Resp: 158744

Ion Ratio Lower Upper

91 100

126 37.1 18.1 54.3

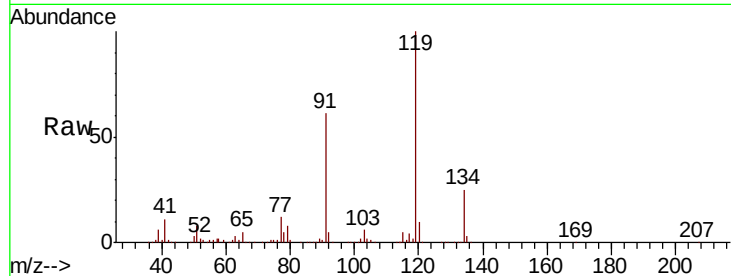




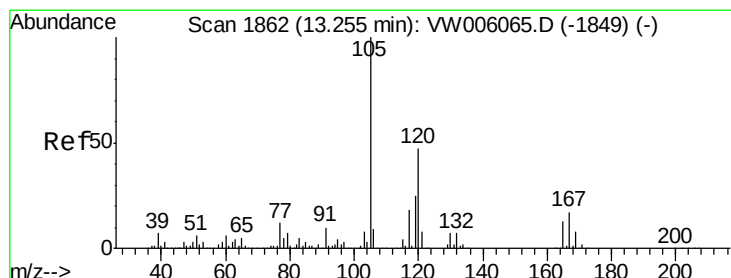
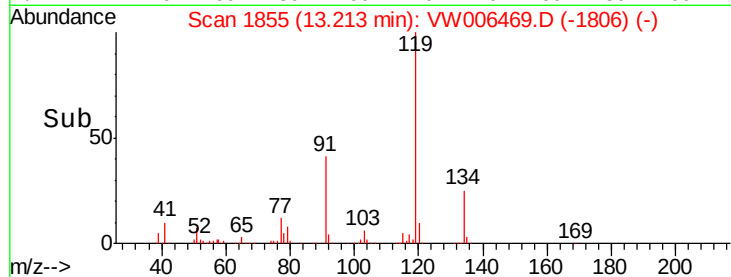
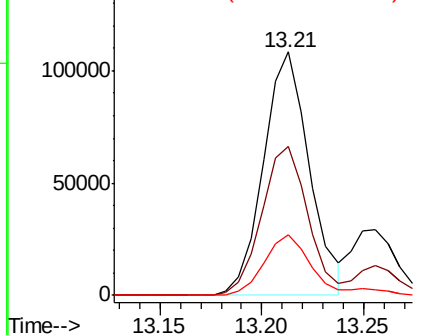
#83
tert-Butylbenzene
Concen: 21.332 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

Tot Ion:119 Resp: 170262
Ion Ratio Lower Upper
119 100
91 61.2 32.3 96.9
134 26.7 13.6 40.8

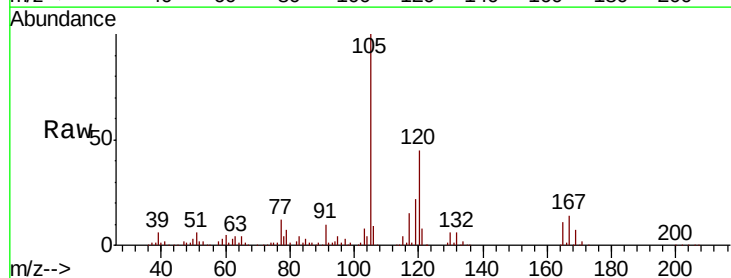


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

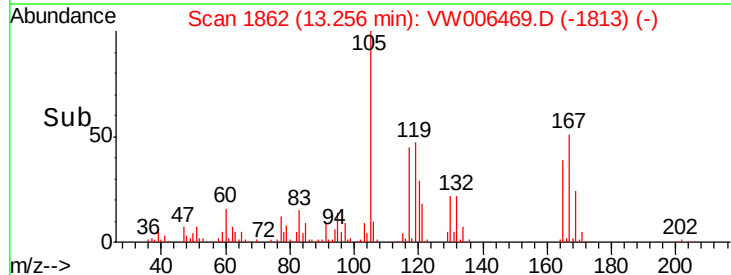
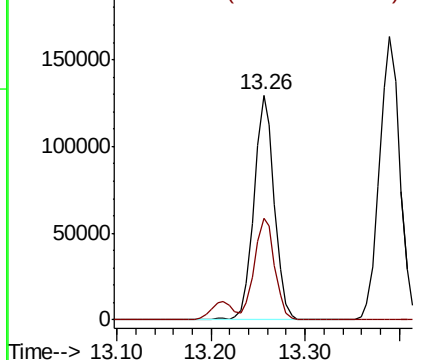


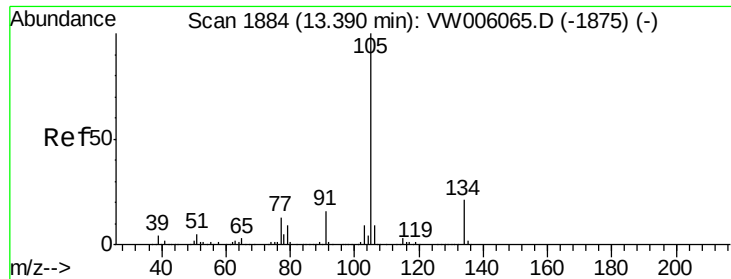
#84
1,2,4-Trimethylbenzene
Concen: 21.752 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion:105 Resp: 196357
Ion Ratio Lower Upper
105 100
120 45.3 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.626 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

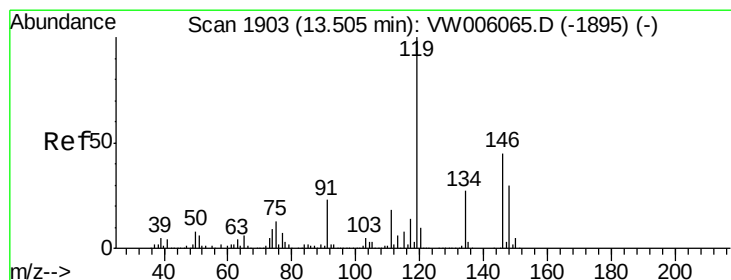
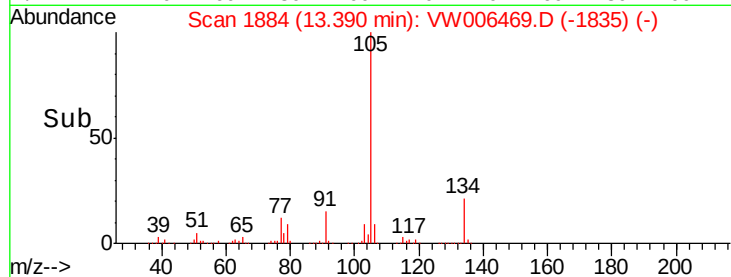
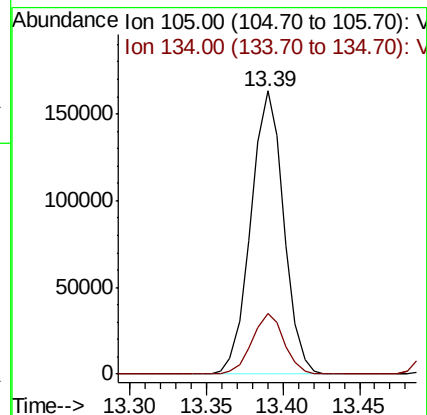
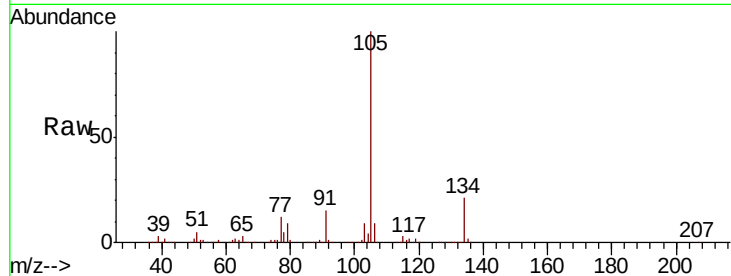
VW1031SBS01

Tot Ion:105 Resp: 243845

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.6



#86

p-Isopropyltoluene

Concen: 21.269 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

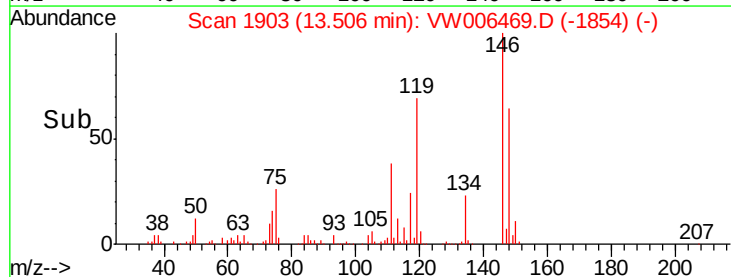
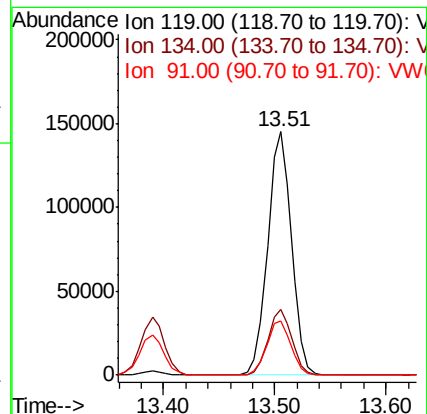
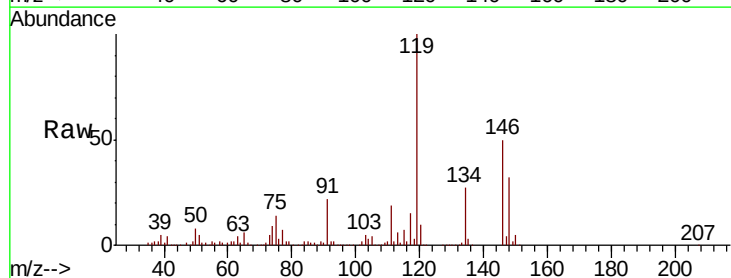
Tgt Ion:119 Resp: 216914

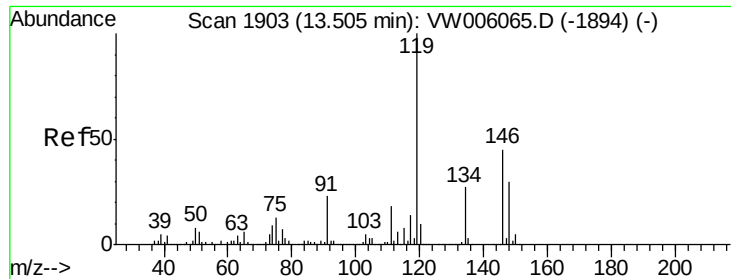
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 22.7 11.4 34.1

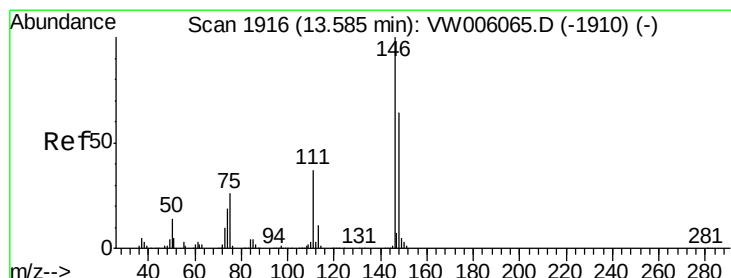
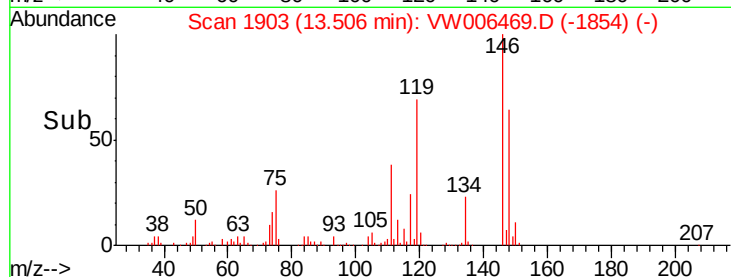
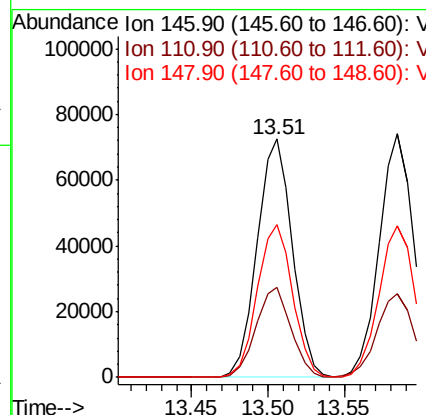
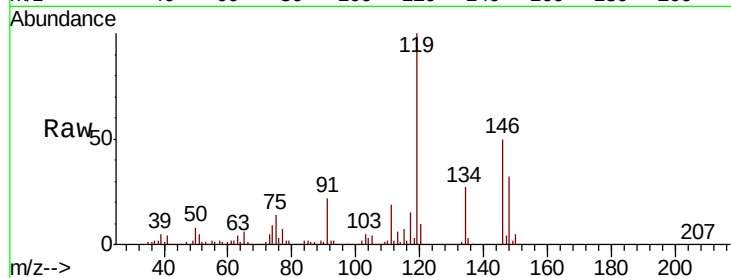




#87
 1,3-Dichlorobenzene
 Concen: 22.574 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

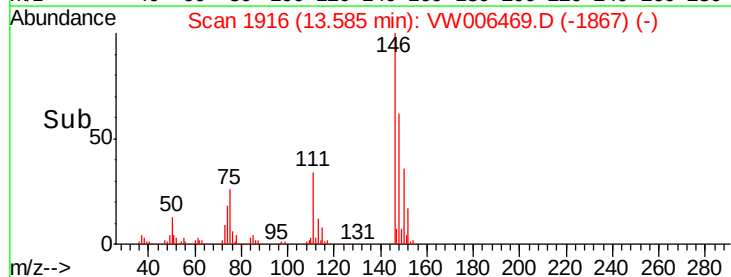
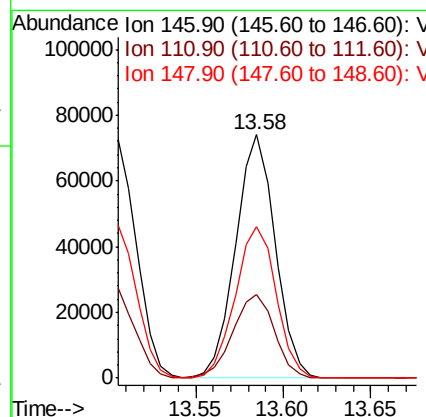
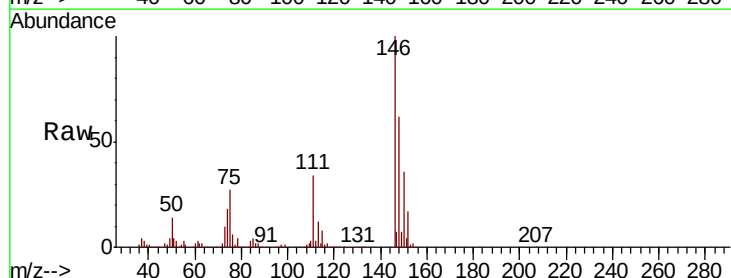
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

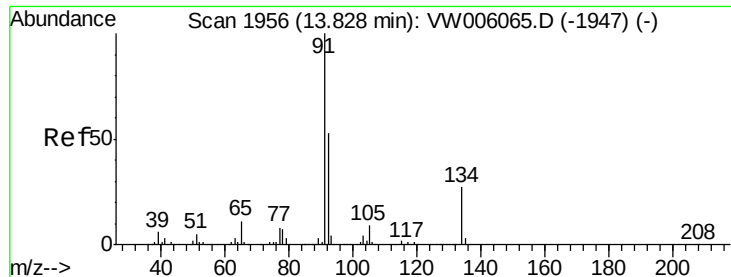
Tot Ion:146 Resp: 116441
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.5
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.687 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion:146 Resp: 116516
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 56.0
 148 64.2 32.1 96.5

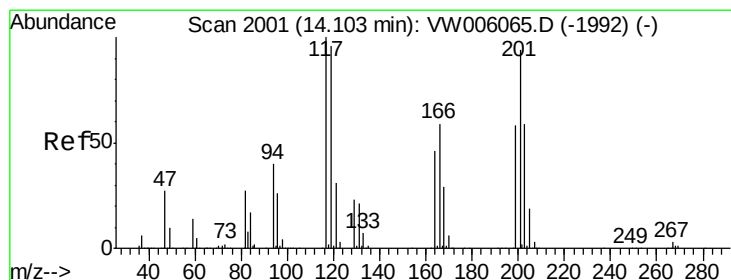
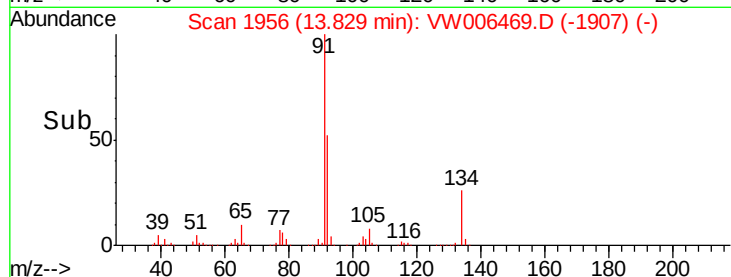
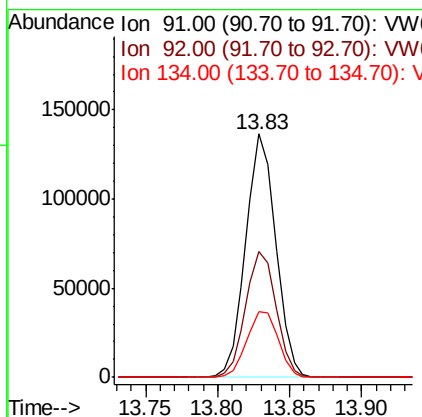
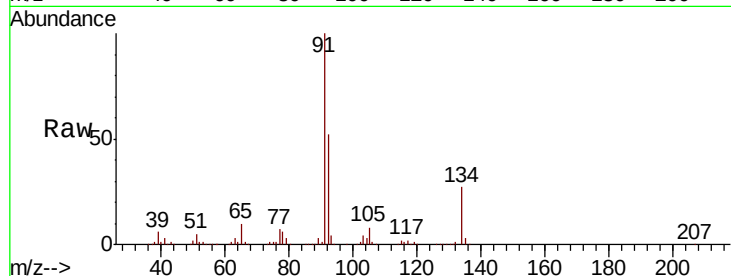




#89
n-Butylbenzene
Concen: 21.185 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

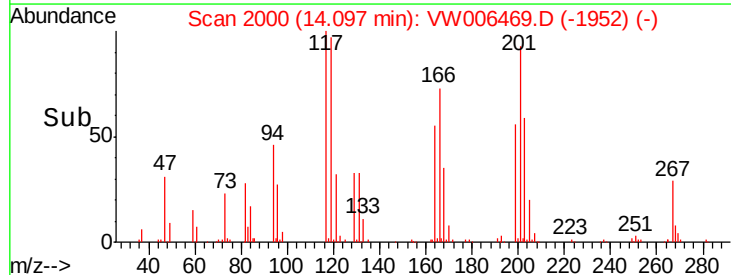
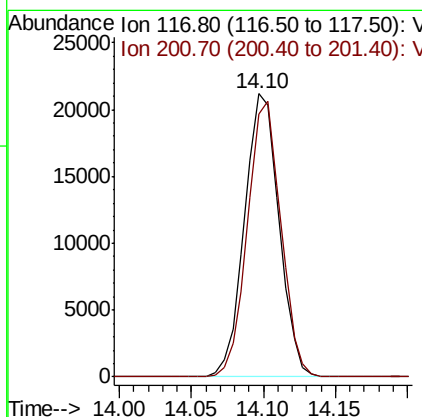
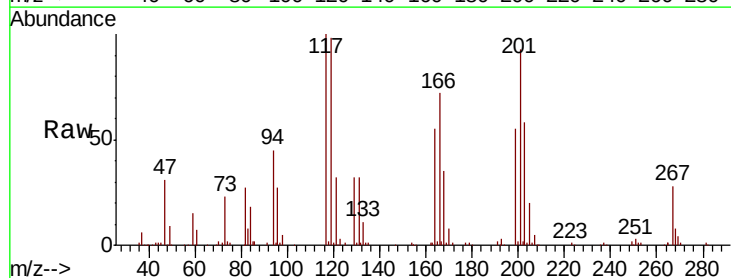
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

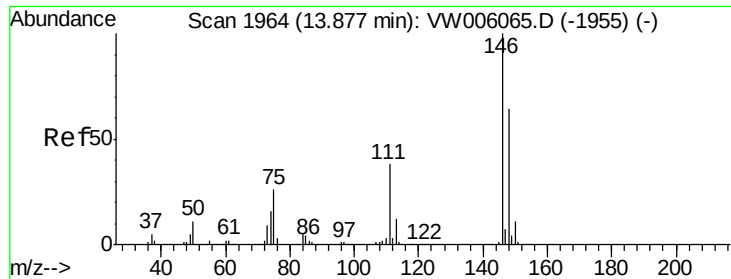
Tot Ion: 91 Resp: 197598
Ion Ratio Lower Upper
91 100
92 52.3 26.6 79.7
134 28.2 14.0 41.9



#90
Hexachloroethane
Concen: 20.368 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW006469.D
Acq: 29 Oct 2018 23:43

Tgt Ion: 117 Resp: 35186
Ion Ratio Lower Upper
117 100
201 93.5 45.3 135.9

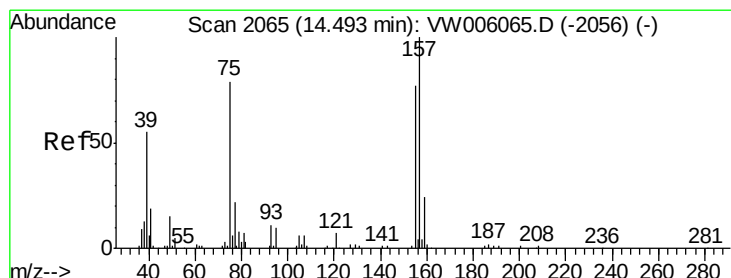
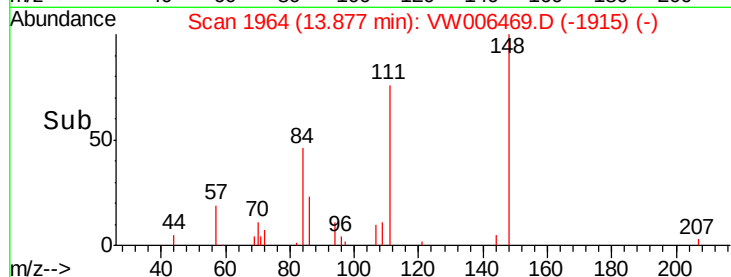
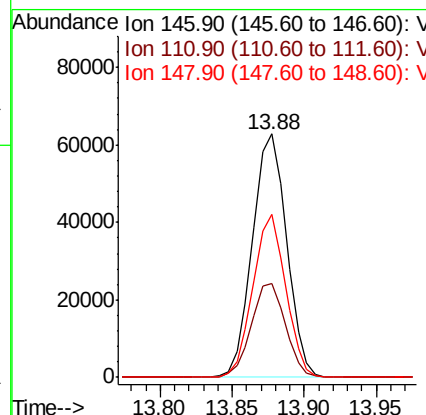
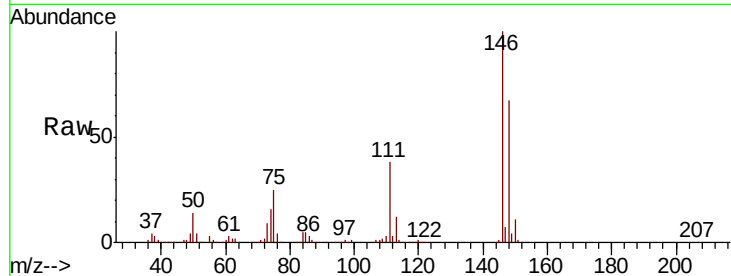




#91
 1,2-Dichlorobenzene
 Concen: 22.404 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

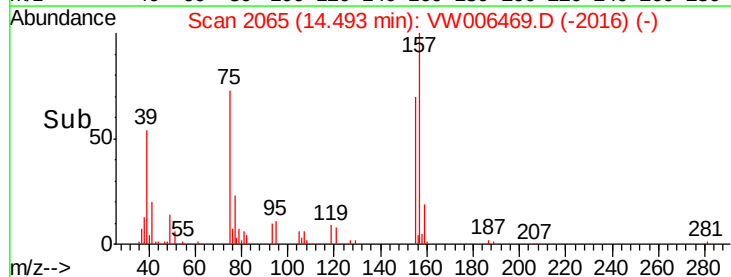
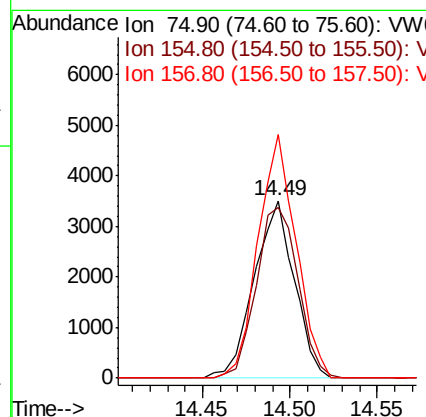
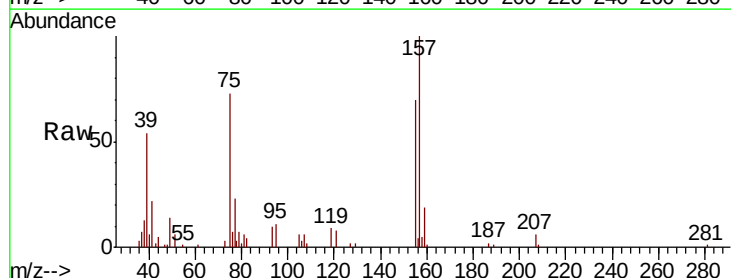
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

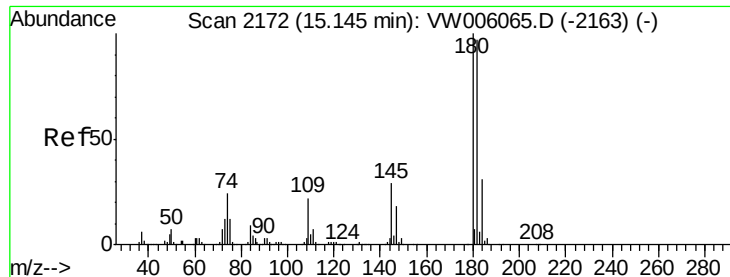
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.2	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.413 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	46.5	139.5
157	129.7	59.8	179.4

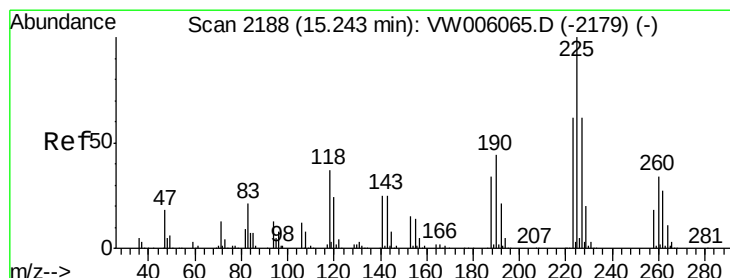
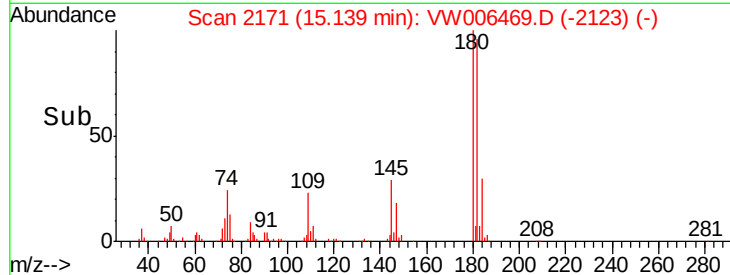
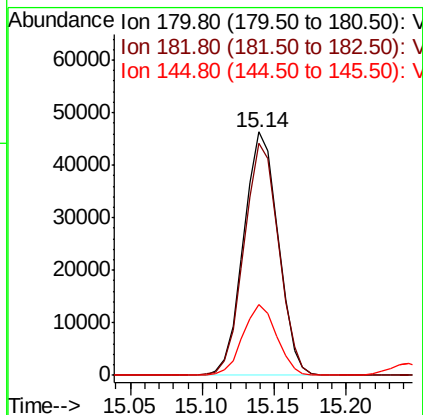
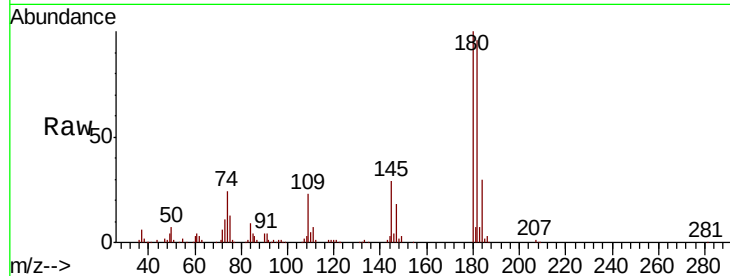




#93
 1,2,4-Trichlorobenzene
 Concen: 21.754 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

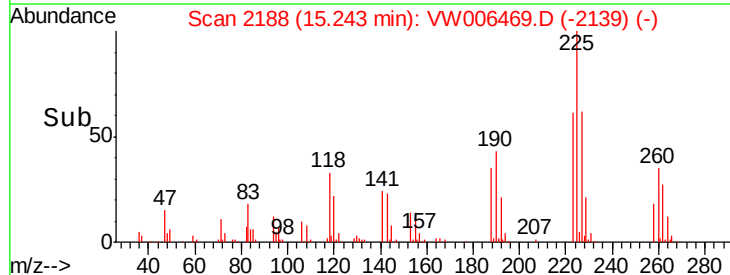
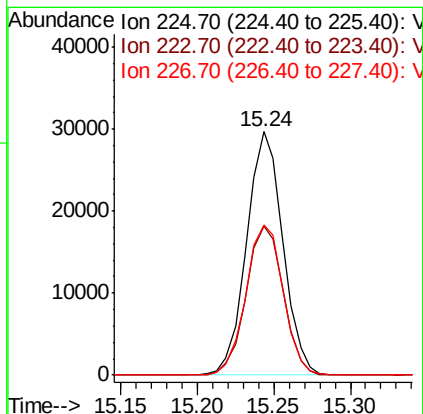
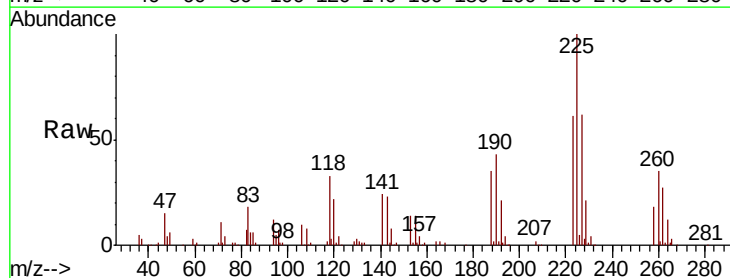
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

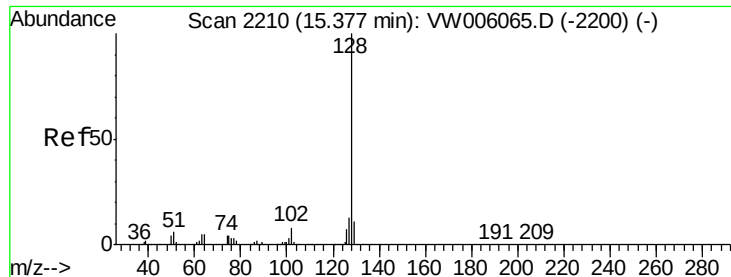
Tot Ion:180 Resp: 77017
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.6
 145 28.4 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.977 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006469.D
 Acq: 29 Oct 2018 23:43

Tgt Ion:225 Resp: 48877
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.5
 227 63.6 32.4 97.0





#95

Naphthalene

Concen: 20.750 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

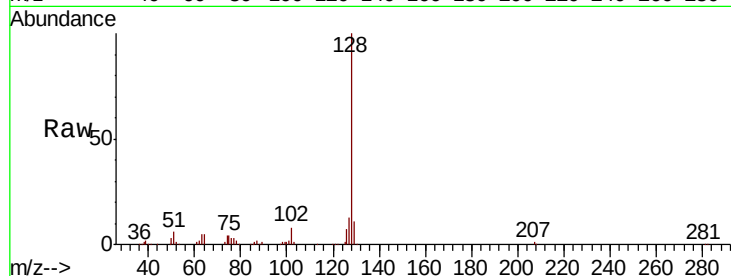
Tot Ion:128 Resp: 122202

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

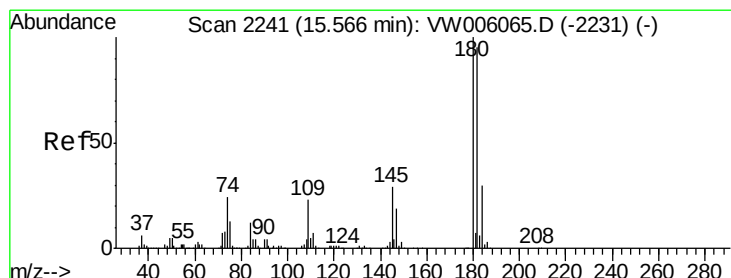
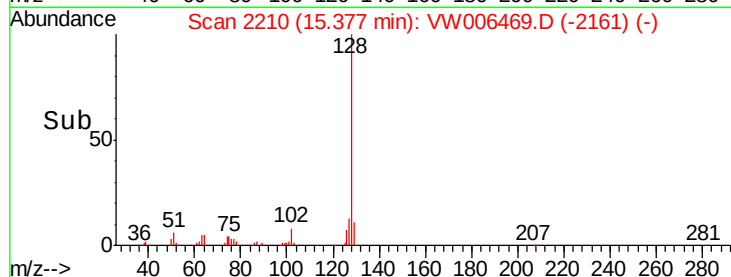
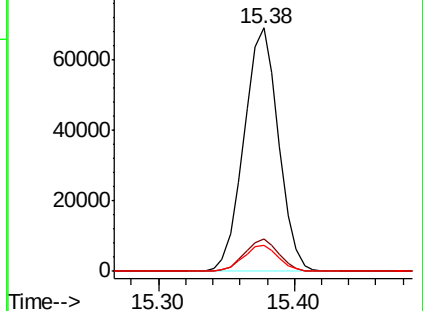
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.999 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006469.D

Acq: 29 Oct 2018 23:43

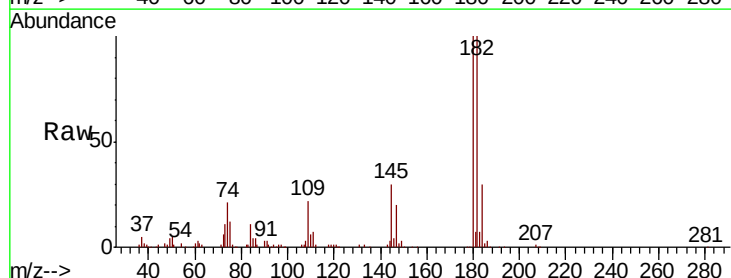
Tgt Ion:180 Resp: 67364

Ion Ratio Lower Upper

180 100

182 96.6 47.8 143.3

145 29.5 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

