

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006470.D
 Acq On : 30 Oct 2018 00:09
 Operator : SY/AP
 Sample : VW1031SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBSD01

Quant Time: Oct 30 05:37:41 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	199086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	283686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	83338	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	7.88	113	88409	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.33	98	330303	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.62	95	123331	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	18065	18.337	ug/l	97
3) Chloromethane	2.21	50	27211	21.457	ug/l	96
4) Vinyl Chloride	2.36	62	38477	21.246	ug/l	100
5) Bromomethane	2.79	94	36896	22.399	ug/l	93
6) Chloroethane	2.92	64	30635	23.604	ug/l	91
7) Trichlorofluoromethane	3.25	101	37679	22.333	ug/l	99
8) Diethyl Ether	3.68	74	18994	21.183	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41393	23.411	ug/l	98
10) Methyl Iodide	4.26	142	67451	22.921	ug/l	99
11) Tert butyl alcohol	5.23	59	12172	109.652	ug/l	98
12) 1,1-Dichloroethene	4.03	96	39126	23.521	ug/l	92
13) Acrolein	3.90	56	10644	99.094	ug/l	94
14) Allyl chloride	4.66	41	51732	21.750	ug/l	99
15) Acrylonitrile	5.38	53	38932	121.056	ug/l	100
16) Acetone	4.15	43	36878	110.856	ug/l	94
17) Carbon Disulfide	4.37	76	97650	19.451	ug/l	98
18) Methyl Acetate	4.68	43	20872	25.128	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	59214	23.372	ug/l	98
20) Methylene Chloride	4.91	84	46672	25.941	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	44964	24.217	ug/l	96
22) Diisopropyl ether	6.32	45	111375	23.696	ug/l	96
23) Vinyl Acetate	6.26	43	303348	109.361	ug/l	97
24) 1,1-Dichloroethane	6.22	63	75840	25.006	ug/l	98
25) 2-Butanone	7.18	43	51674	115.890	ug/l	99
26) 2,2-Dichloropropane	7.17	77	47118	22.028	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51177	24.977	ug/l	98
28) Bromochloromethane	7.51	49	25080	21.420	ug/l	94
29) Tetrahydrofuran	7.54	42	30701	112.016	ug/l	98
30) Chloroform	7.68	83	82838	25.070	ug/l	99
31) Cyclohexane	7.95	56	61930	20.505	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	67824	22.755	ug/l	98
36) 1,1-Dichloropropene	8.09	75	62197	23.787	ug/l	100
37) Ethyl Acetate	7.26	43	22954	23.627	ug/l	98
38) Carbon Tetrachloride	8.07	117	65691	22.917	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006470.D
 Acq On : 30 Oct 2018 00:09
 Operator : SY/AP
 Sample : VW1031SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

Quant Time: Oct 30 05:37:41 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	74792	21.518	ug/l	99
40) Benzene	8.32	78	177236	24.710	ug/l	97
41) Methacrylonitrile	7.49	41	13989	23.886	ug/l	98
42) 1,2-Dichloroethane	8.40	62	51110	24.254	ug/l	100
43) Isopropyl Acetate	8.43	43	44501	22.403	ug/l	99
44) Trichloroethene	9.09	130	54041	24.558	ug/l	97
45) 1,2-Dichloropropane	9.37	63	42510	24.768	ug/l	100
46) Dibromomethane	9.46	93	24199	24.737	ug/l	99
47) Bromodichloromethane	9.65	83	55383	23.352	ug/l	99
48) Methyl methacrylate	9.44	41	20438	21.706	ug/l	93
49) 1,4-Dioxane	9.48	88	7769	515.883	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	115348	115.899	ug/l	99
52) Toluene	10.39	92	121164	25.197	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	53840	22.785	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	63943	23.578	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35273	25.767	ug/l	97
56) Ethyl methacrylate	10.65	69	37759	22.500	ug/l	96
57) 1,3-Dichloropropane	10.93	76	56604	24.978	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	76131	118.721	ug/l	97
59) 2-Hexanone	10.98	43	77806	109.518	ug/l	99
60) Dibromochloromethane	11.13	129	41472	24.322	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35224	25.752	ug/l	98
64) Tetrachloroethene	10.87	164	52266	24.964	ug/l	95
65) Chlorobenzene	11.66	112	141504	24.510	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	49100	23.931	ug/l	99
67) Ethyl Benzene	11.74	91	238362	23.824	ug/l	98
68) m/p-Xylenes	11.84	106	189381	47.889	ug/l	97
69) o-Xylene	12.17	106	87998	23.349	ug/l	100
70) Styrene	12.18	104	144466	23.572	ug/l	99
71) Bromoform	12.35	173	25490	22.274	ug/l #	98
73) Isopropylbenzene	12.47	105	247894	22.792	ug/l	100
74) N-amyl acetate	12.28	43	41834	19.803	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	40104	24.243	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	48782	41.485	ug/l #	100
77) Bromobenzene	12.75	156	63748	23.930	ug/l	97
78) n-propylbenzene	12.81	91	289987	22.917	ug/l	99
79) 2-Chlorotoluene	12.90	91	165560	23.287	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	210091	22.913	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	9687	19.692	ug/l	98
82) 4-Chlorotoluene	12.99	91	175022	23.501	ug/l	100
83) tert-Butylbenzene	13.21	119	186775	22.768	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	215951	23.275	ug/l	99
85) sec-Butylbenzene	13.39	105	263161	22.707	ug/l	99
86) p-Isopropyltoluene	13.51	119	238311	22.734	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	127800	24.105	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	127690	24.190	ug/l	99
89) n-Butylbenzene	13.83	91	214472	22.372	ug/l	99
90) Hexachloroethane	14.10	117	38719	21.806	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	114231	24.155	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5858	19.779	ug/l	88

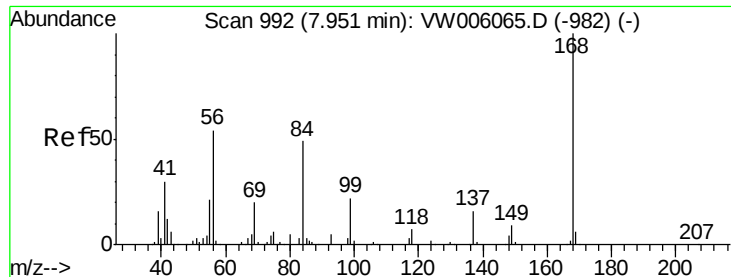
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
Data File : VW006470.D
Acq On : 30 Oct 2018 00:09
Operator : SY/AP
Sample : VW1031SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD01

Quant Time: Oct 30 05:37:41 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)
93) 1,2,4-Trichlorobenzene	15.14	180	83883	23.053	ug/l	99
94) Hexachlorobutadiene	15.24	225	52959	23.168	ug/l	100
95) Naphthalene	15.38	128	129373	21.373	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	73588	23.381	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

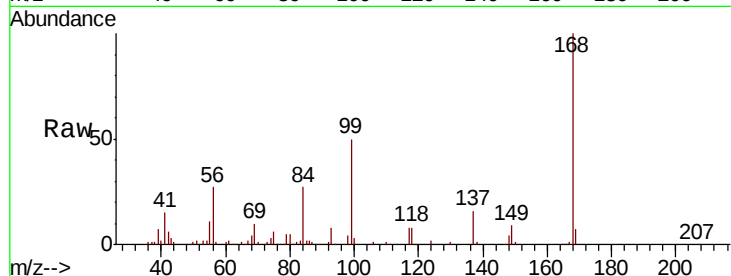
VW1031SBSD01

Tot Ion:168 Resp: 199086

Ion Ratio Lower Upper

168 100

99 50.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

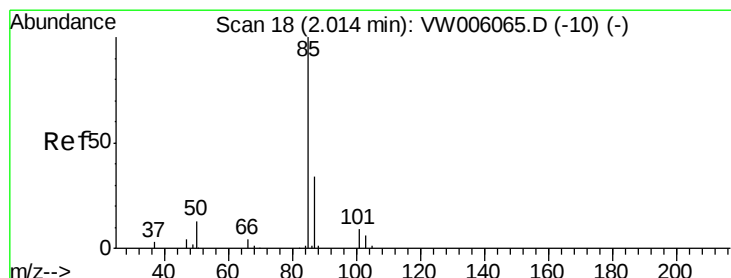
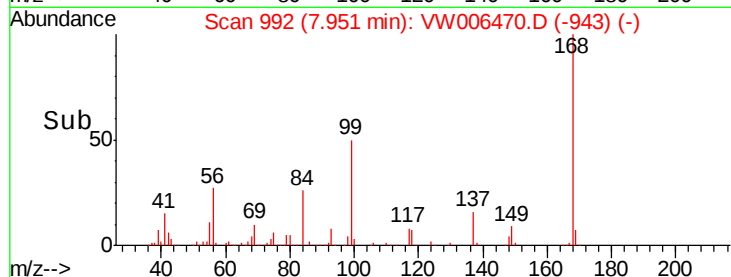
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.337 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006470.D

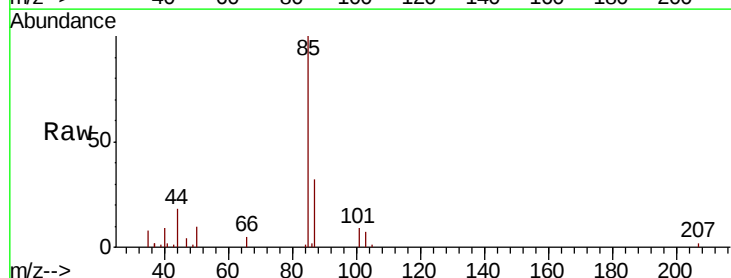
Acq: 30 Oct 2018 00:09

Tgt Ion: 85 Resp: 18065

Ion Ratio Lower Upper

85 100

87 32.2 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

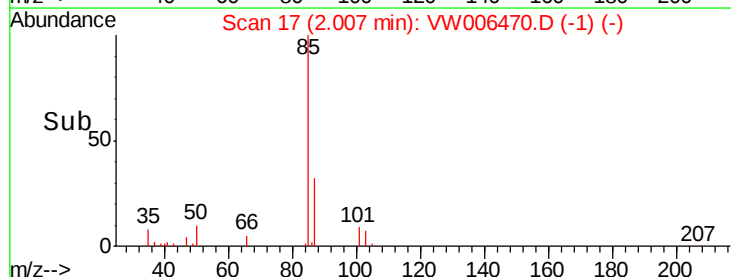
1.90

2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 21.457 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

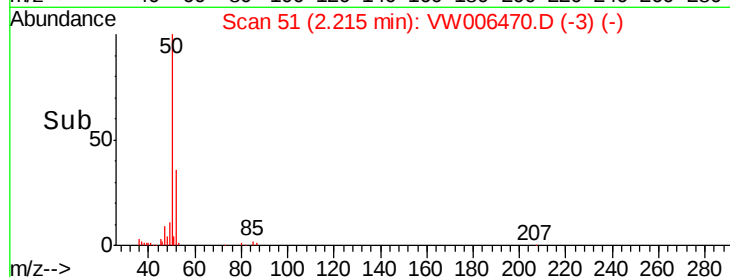
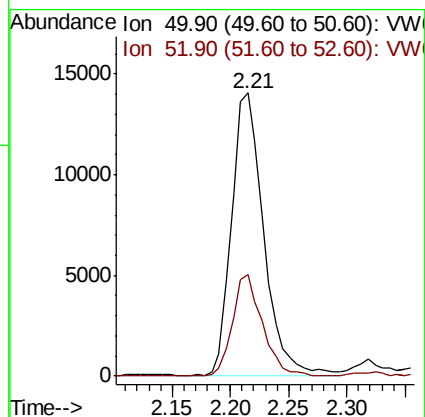
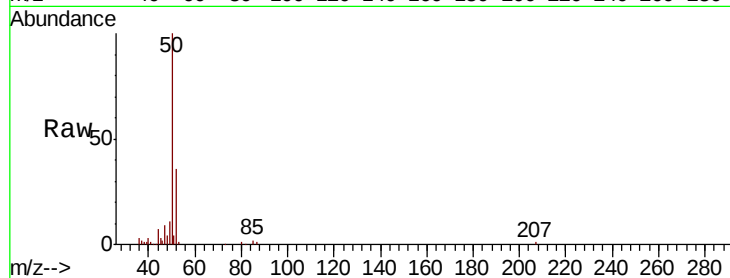
VW1031SBSD01

Tot Ion: 50 Resp: 27211

Ion Ratio Lower Upper

50 100

52 35.8 26.8 40.2



#4

Vinyl Chloride

Concen: 21.246 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW006470.D

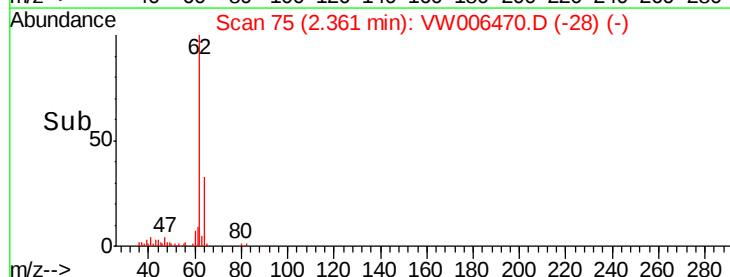
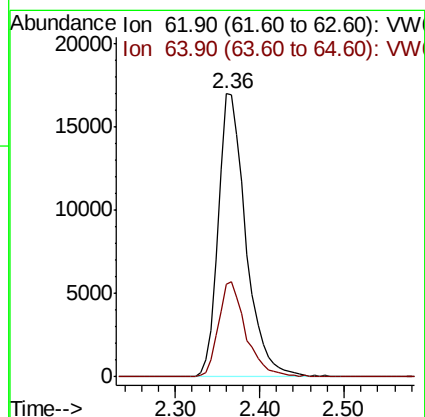
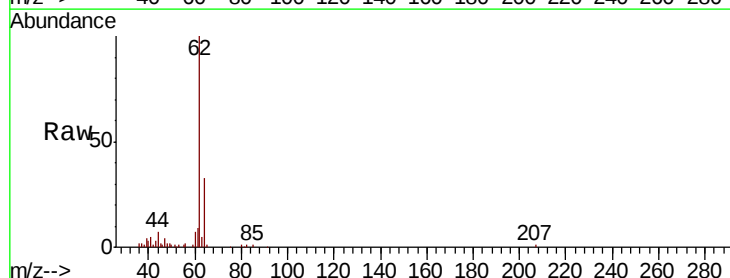
Acq: 30 Oct 2018 00:09

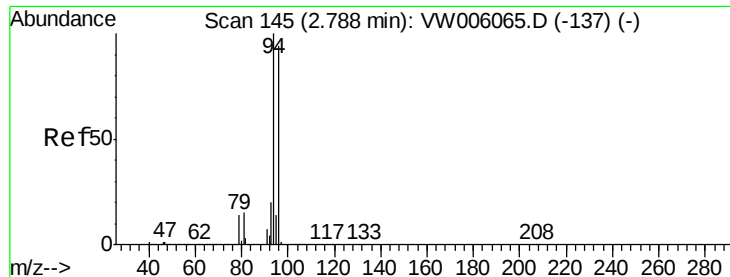
Tgt Ion: 62 Resp: 38477

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9





#5

Bromomethane

Concen: 22.399 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

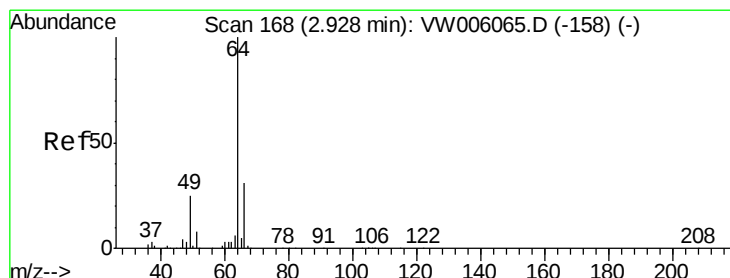
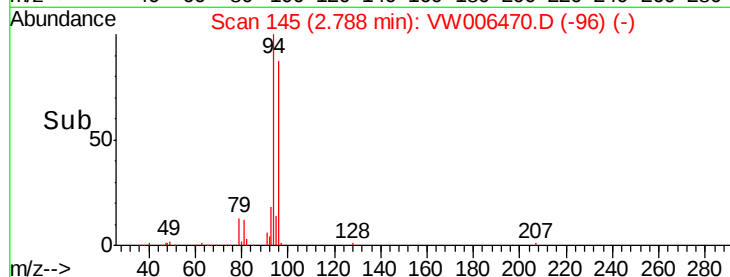
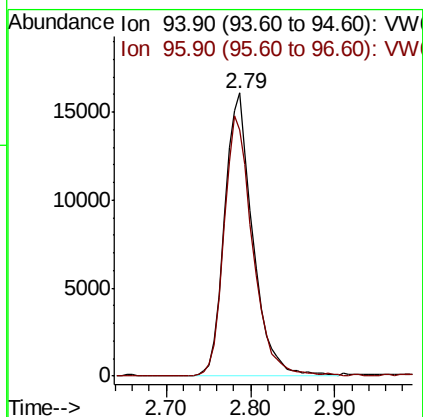
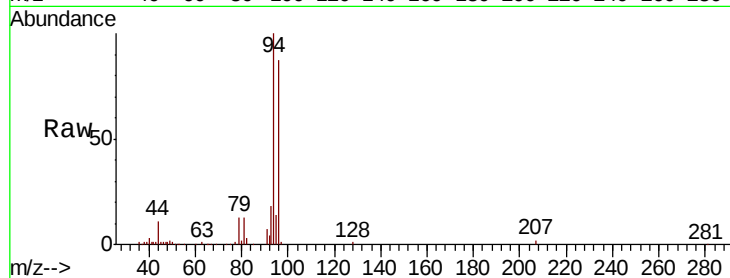
VW1031SBS01

Tot Ion: 94 Resp: 36896

Ion Ratio Lower Upper

94 100

96 87.0 74.9 112.3



#6

Chloroethane

Concen: 23.604 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006470.D

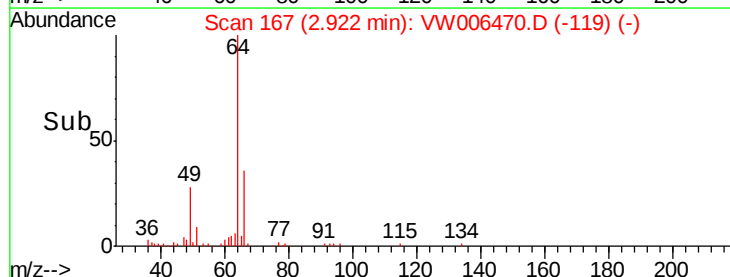
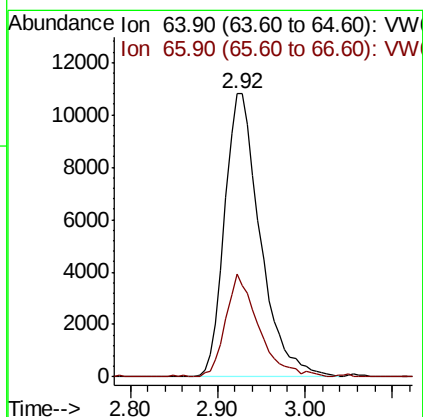
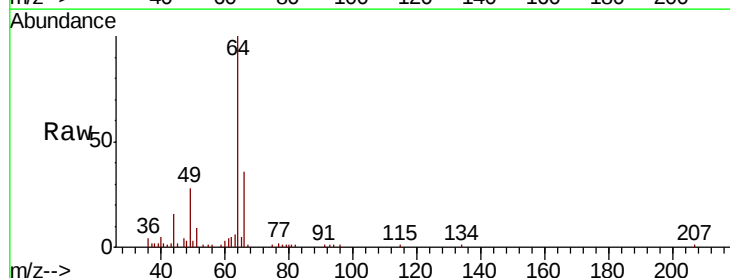
Acq: 30 Oct 2018 00:09

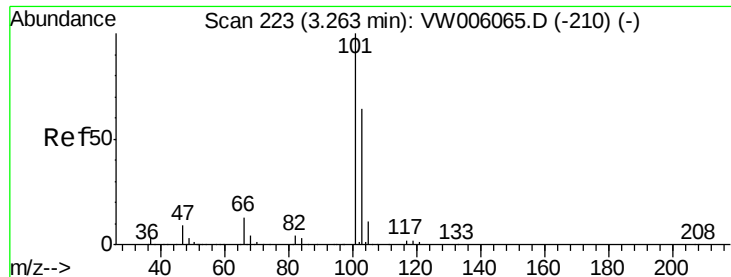
Tgt Ion: 64 Resp: 30635

Ion Ratio Lower Upper

64 100

66 36.3 24.9 37.3



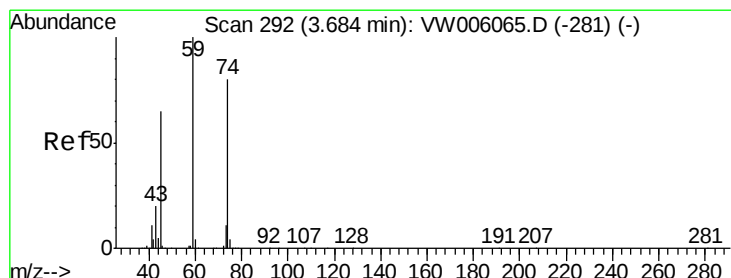
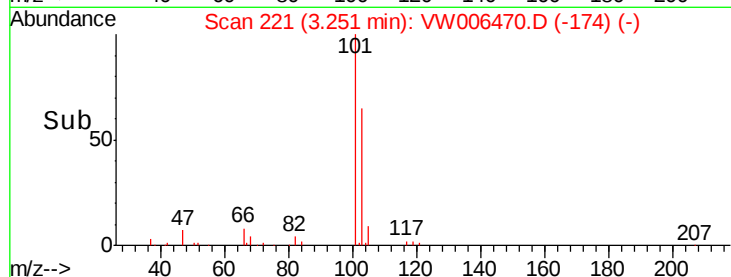
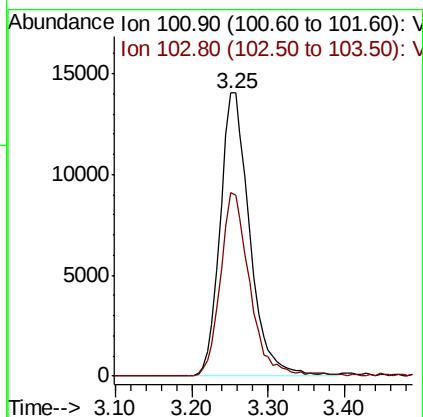
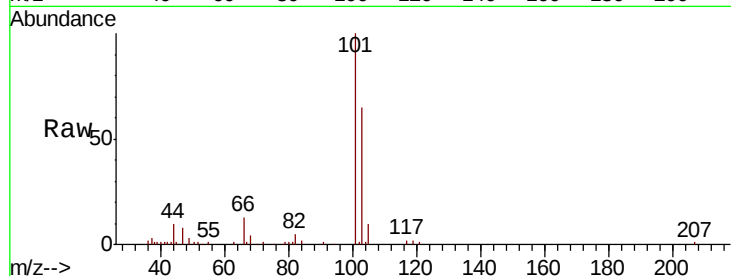


#7

Trichlorofluoromethane
 Concen: 22.333 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

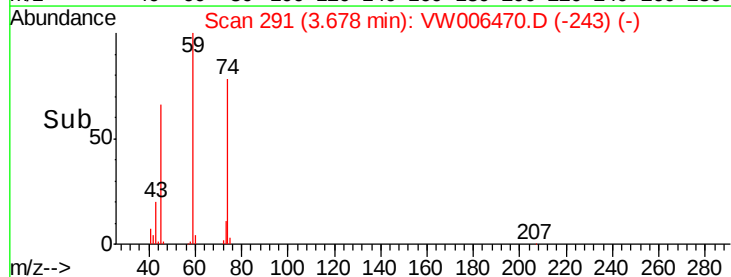
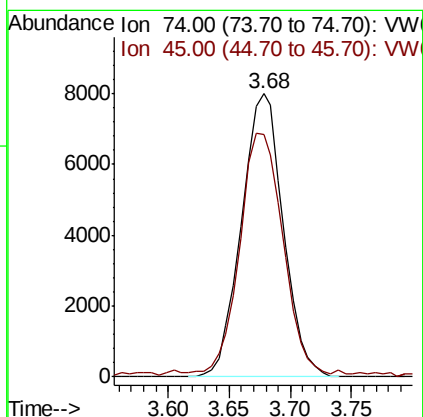
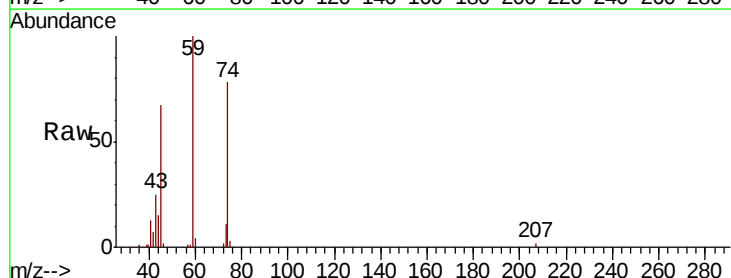
Tot Ion:101 Resp: 37679
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.2 76.8



#8

Diethyl Ether
 Concen: 21.183 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

Tgt Ion: 74 Resp: 18994
 Ion Ratio Lower Upper
 74 100
 45 87.3 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.411 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

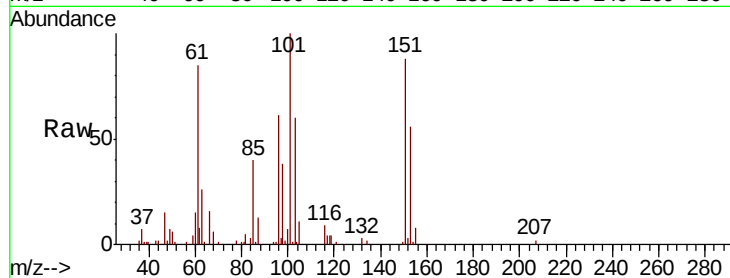
Tot Ion:101 Resp: 41393

Ion Ratio Lower Upper

101 100

85 41.2 34.9 52.3

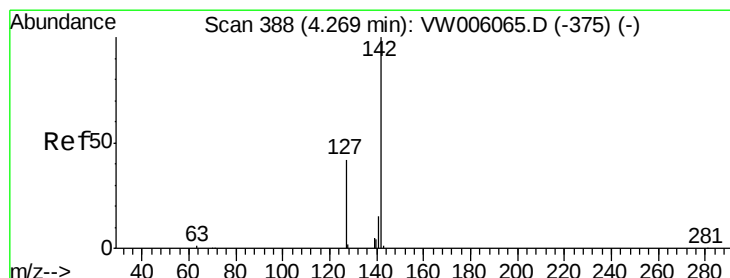
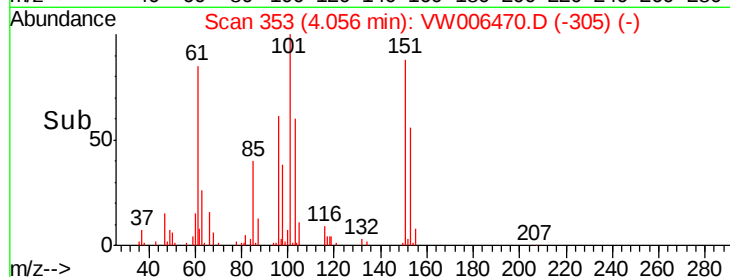
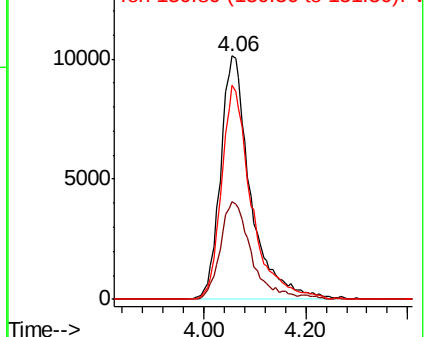
151 87.0 70.4 105.6



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: 22.921 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

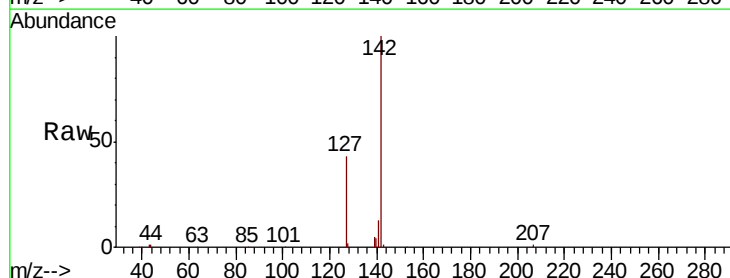
Tgt Ion:142 Resp: 67451

Ion Ratio Lower Upper

142 100

127 41.5 33.6 50.4

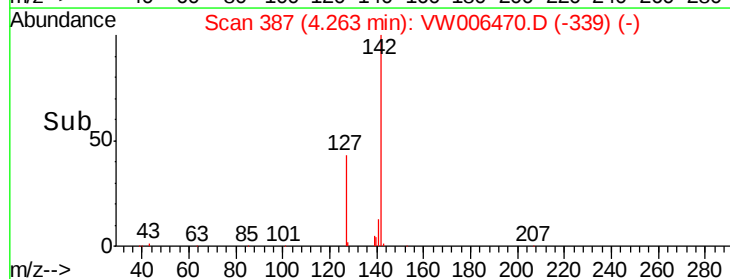
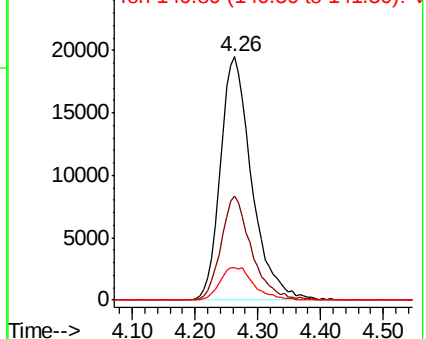
141 14.5 11.6 17.4

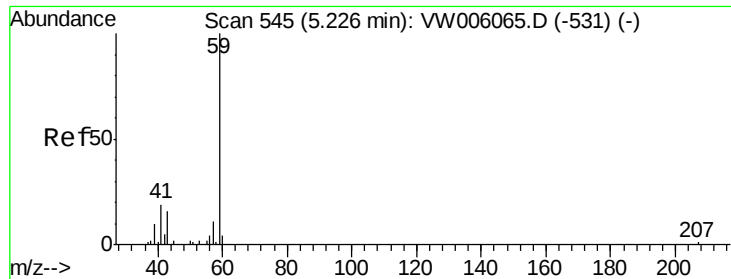


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



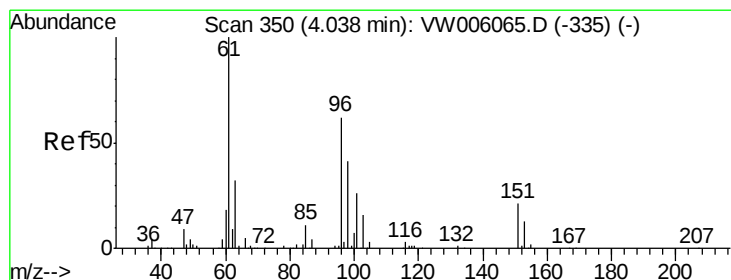
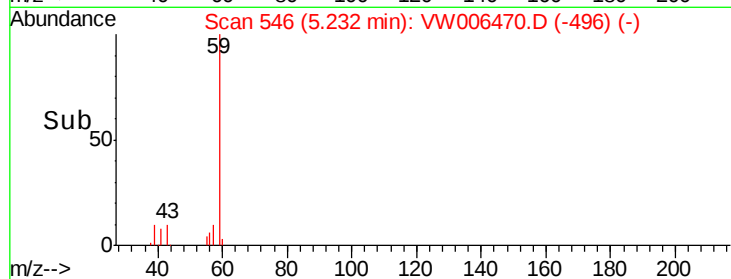
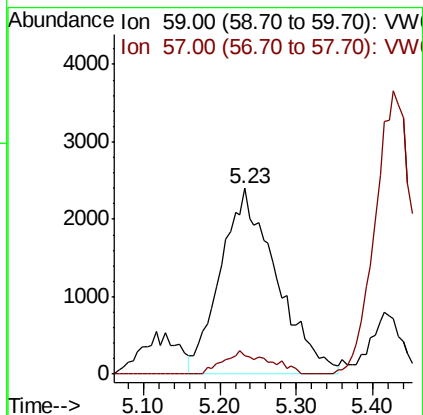
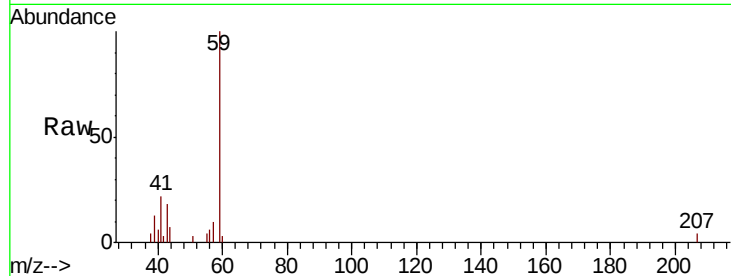


#11

Tert butyl alcohol
Concen: 109.652 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

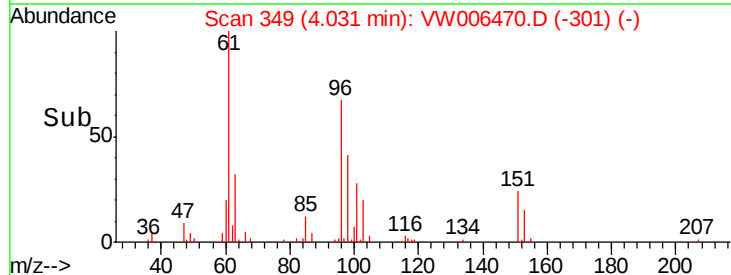
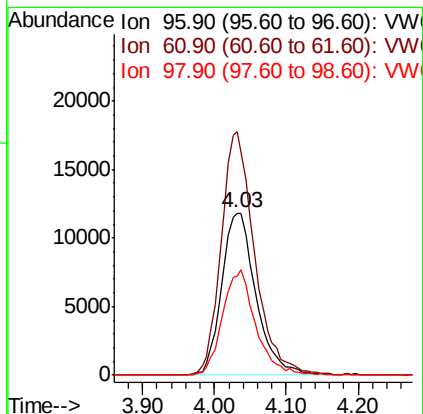
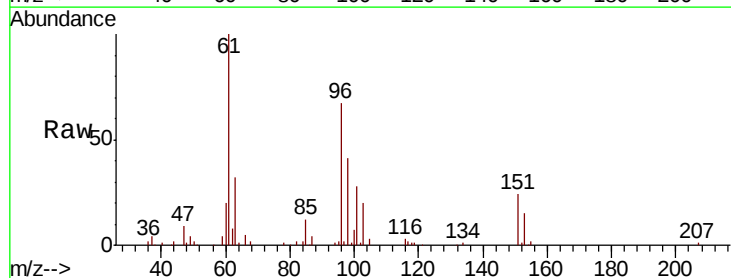
Tot Ion: 59 Resp: 12172
Ion Ratio Lower Upper
59 100
57 10.0 8.7 13.1

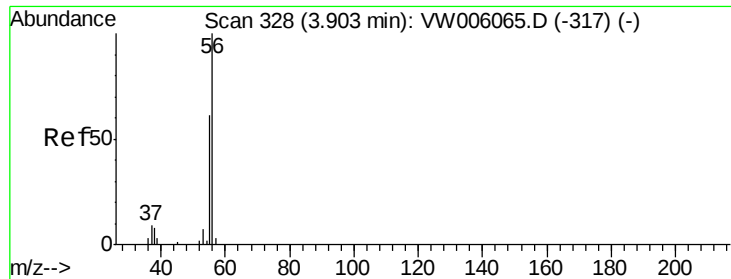


#12

1,1-Dichloroethene
Concen: 23.521 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion: 96 Resp: 39126
Ion Ratio Lower Upper
96 100
61 150.3 129.3 193.9
98 61.3 53.1 79.7

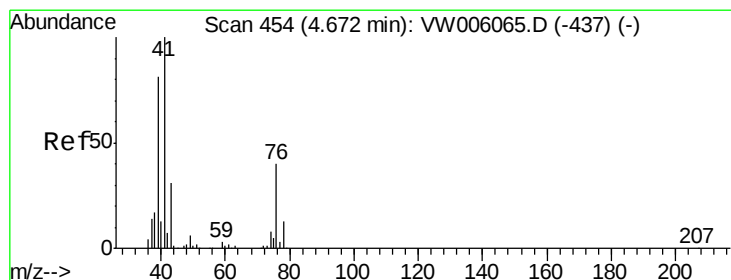
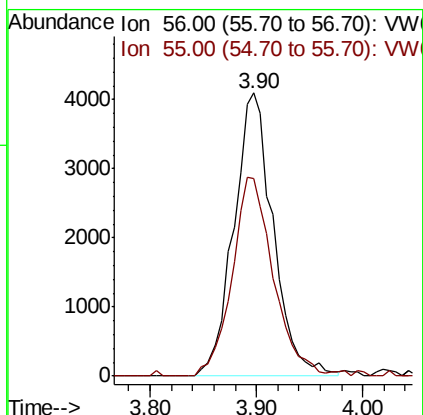
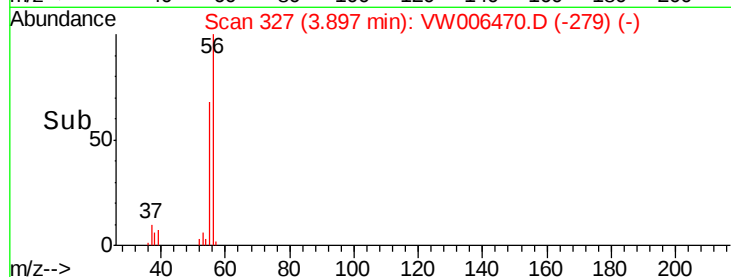
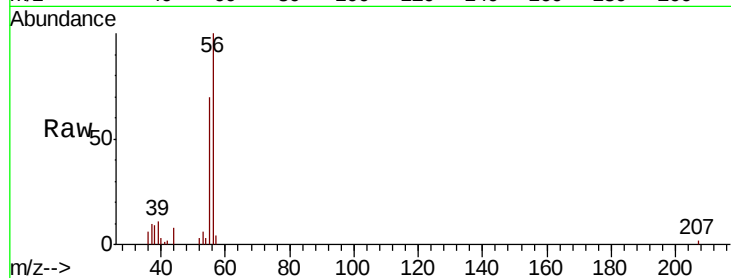




#13
Acrolein
Concen: 99.094 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

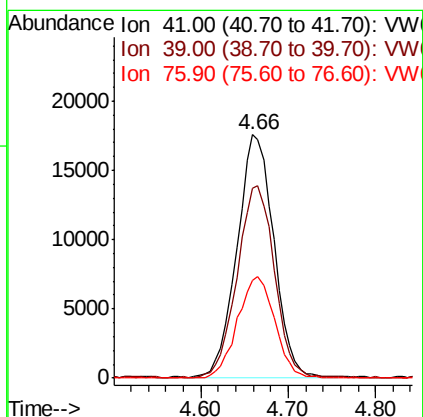
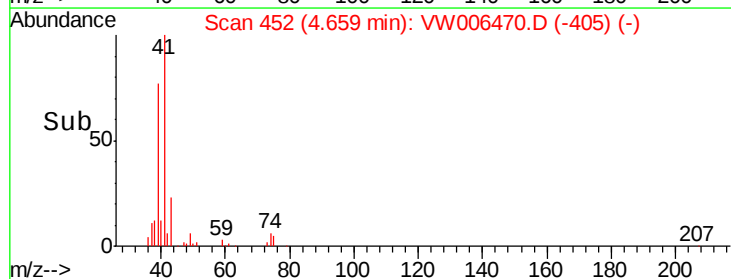
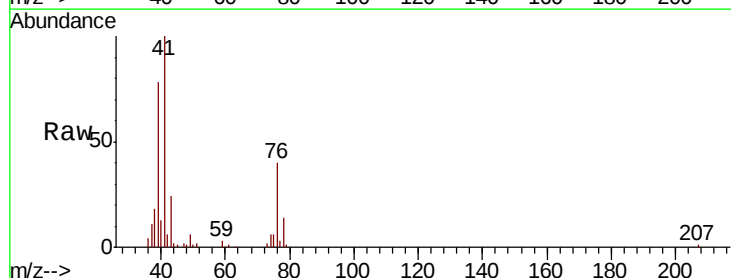
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

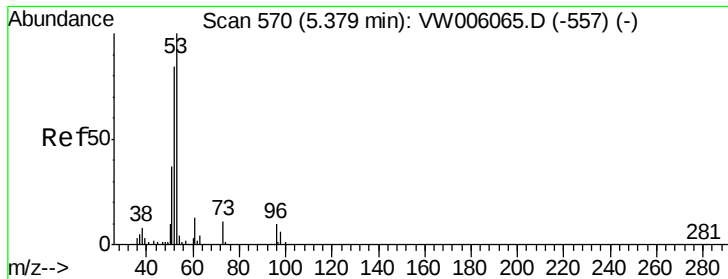
Tot Ion: 56 Resp: 10644
Ion Ratio Lower Upper
56 100
55 73.0 54.5 81.7



#14
Allyl chloride
Concen: 21.750 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion: 41 Resp: 51732
Ion Ratio Lower Upper
41 100
39 80.1 64.1 96.1
76 41.9 32.2 48.4





#15

Acrylonitrile

Concen: 121.056 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD01

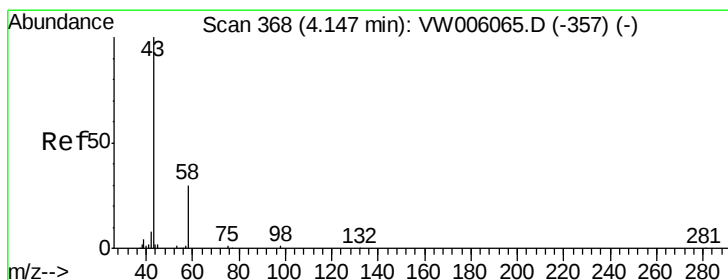
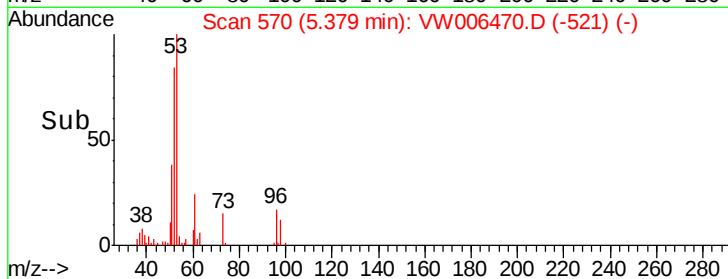
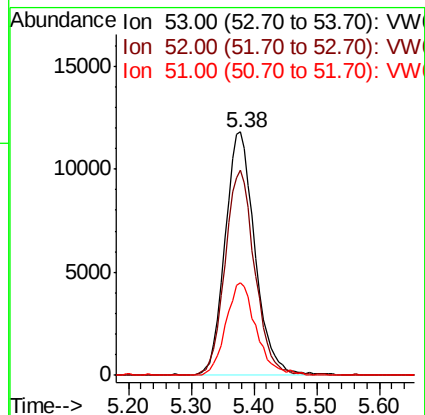
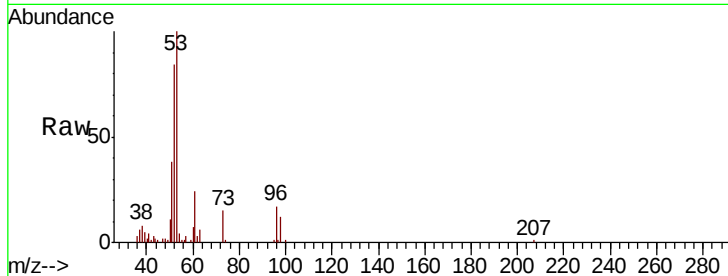
Tot Ion: 53 Resp: 38932

Ion Ratio Lower Upper

53 100

52 83.7 66.9 100.3

51 38.4 30.1 45.1



#16

Acetone

Concen: 110.856 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006470.D

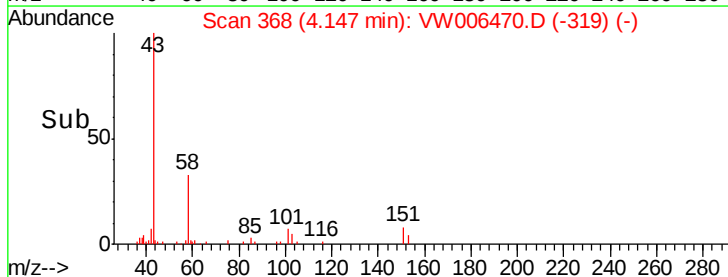
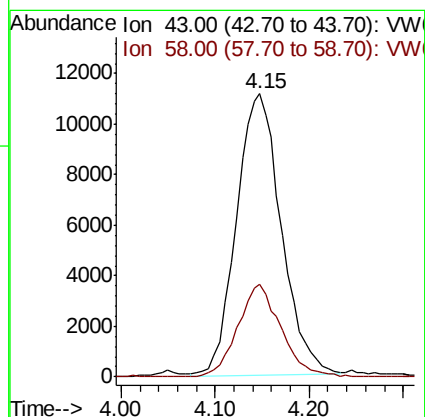
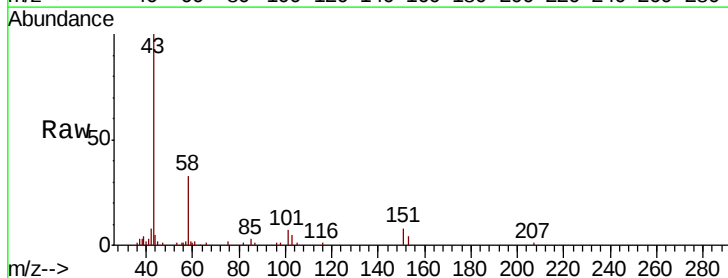
Acq: 30 Oct 2018 00:09

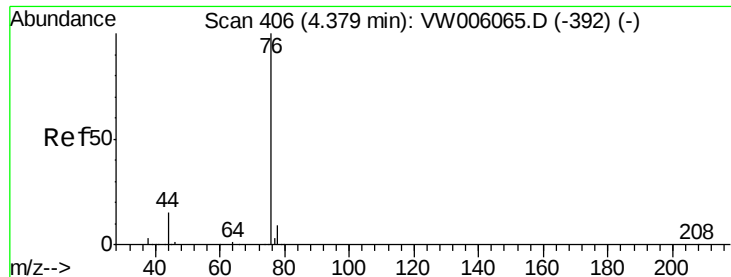
Tgt Ion: 43 Resp: 36878

Ion Ratio Lower Upper

43 100

58 33.3 24.0 36.0





#17

Carbon Disulfide

Concen: 19.451 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

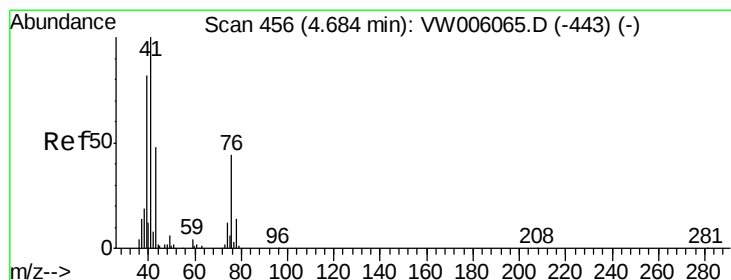
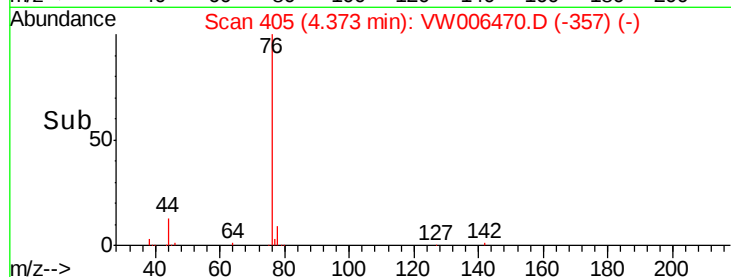
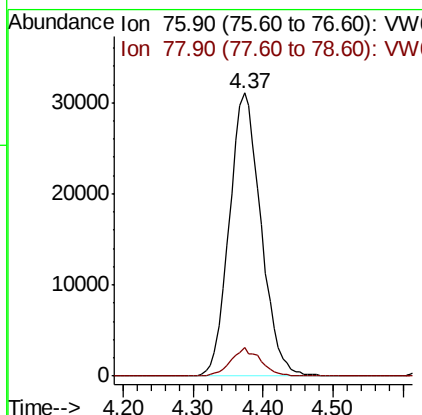
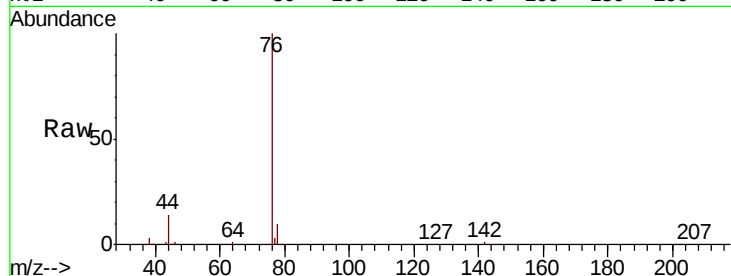
VW1031SBSD01

Tot Ion: 76 Resp: 97650

Ion Ratio Lower Upper

76 100

78 10.0 7.5 11.3



#18

Methyl Acetate

Concen: 25.128 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006470.D

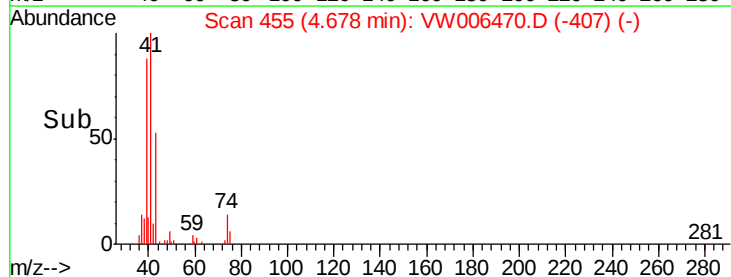
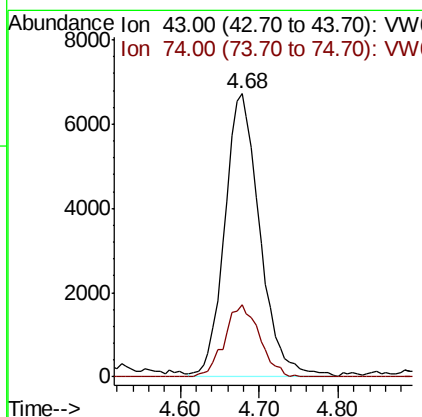
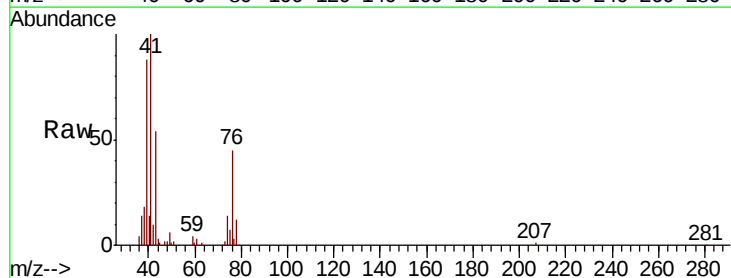
Acq: 30 Oct 2018 00:09

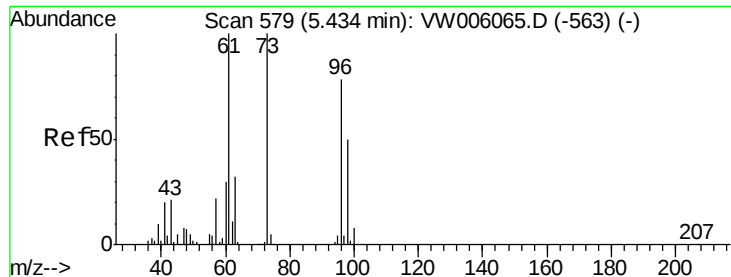
Tgt Ion: 43 Resp: 20872

Ion Ratio Lower Upper

43 100

74 25.2 20.5 30.7

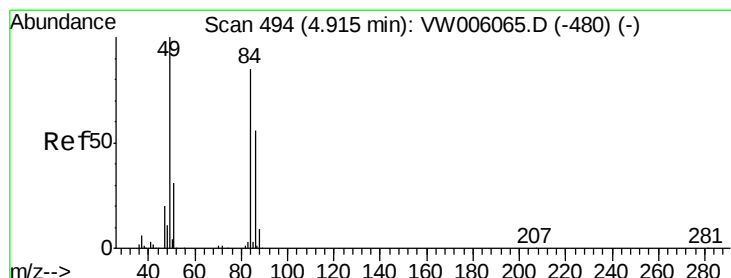
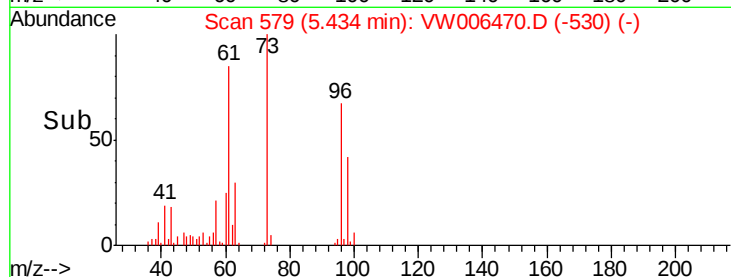
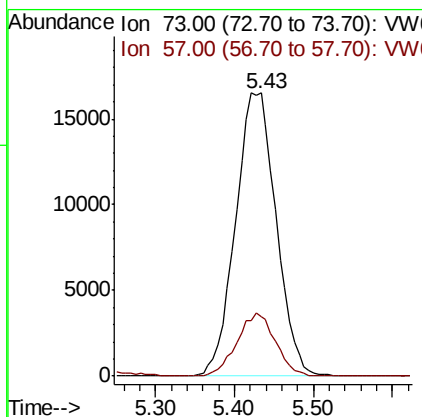
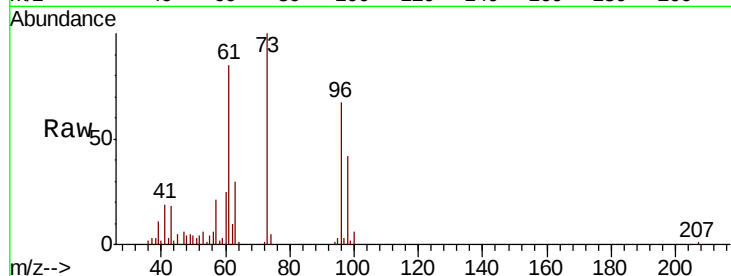




#19
Methyl tert-butyl Ether
Concen: 23.372 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

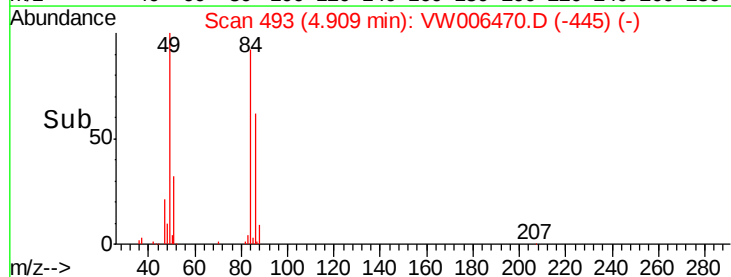
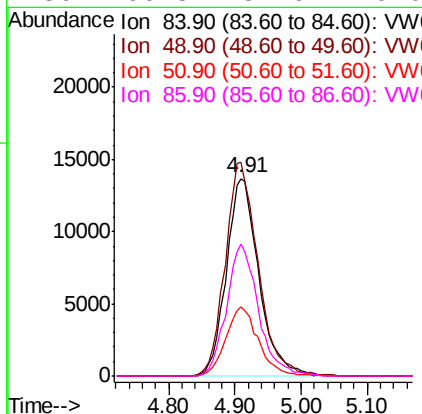
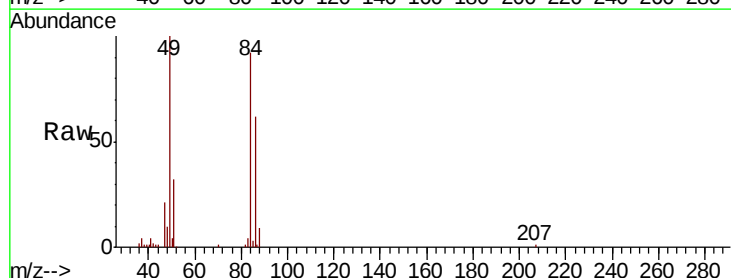
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

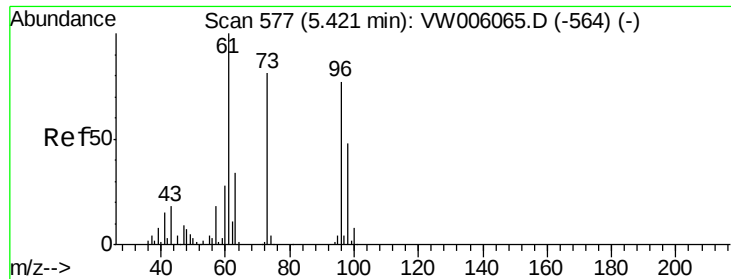
Tot Ion: 73 Resp: 59214
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.2



#20
Methylene Chloride
Concen: 25.941 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion: 84 Resp: 46672
Ion Ratio Lower Upper
84 100
49 108.3 93.6 140.4
51 35.0 29.0 43.4
86 66.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 24.217 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD01

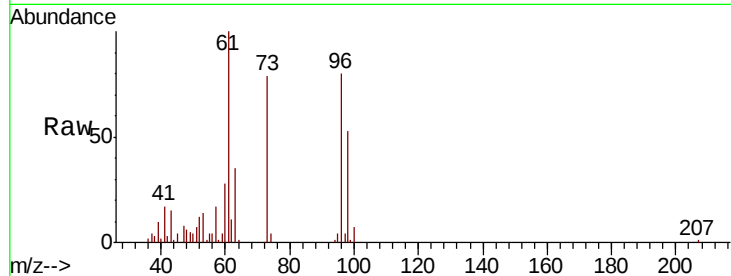
Tot Ion: 96 Resp: 44964

Ion Ratio Lower Upper

96 100

61 125.1 104.5 156.7

98 65.9 50.6 75.8

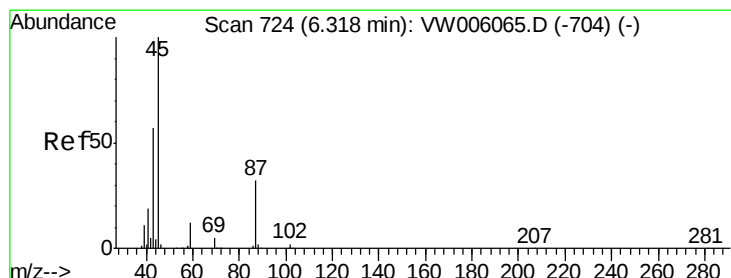
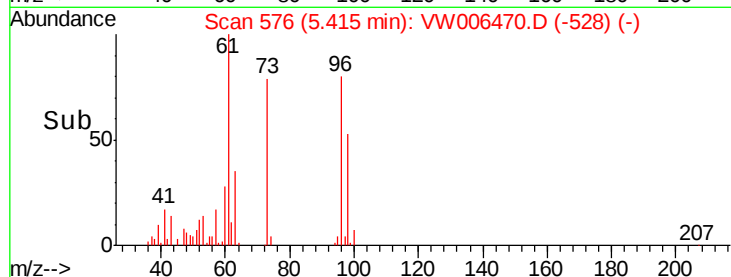
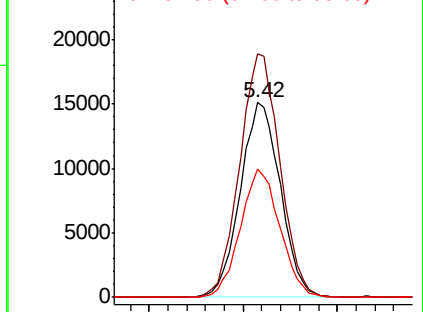


Abundance

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: 23.696 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Tgt Ion: 45 Resp: 111375

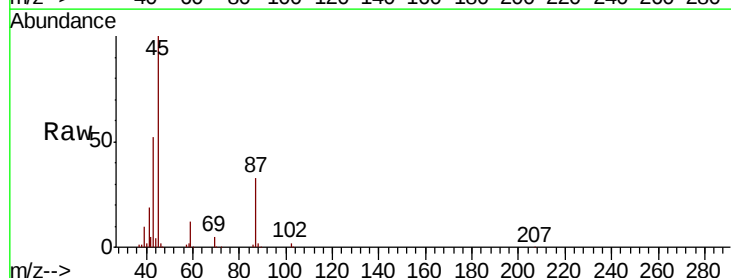
Ion Ratio Lower Upper

45 100

43 51.7 45.7 68.5

87 32.8 25.9 38.9

59 12.1 9.6 14.4



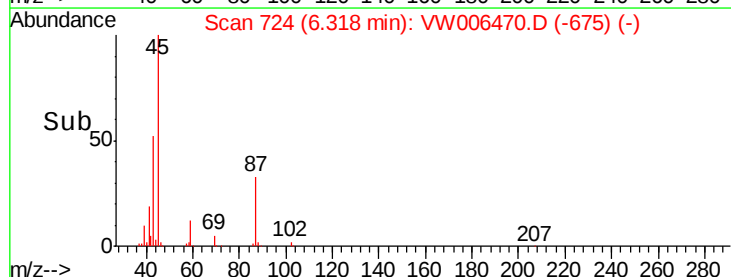
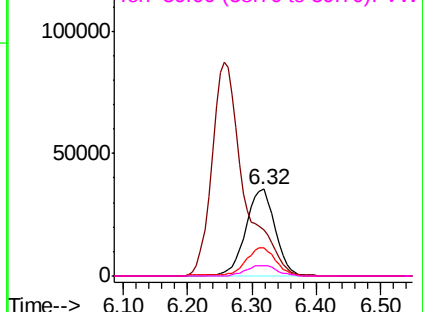
Abundance

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: 109.361 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

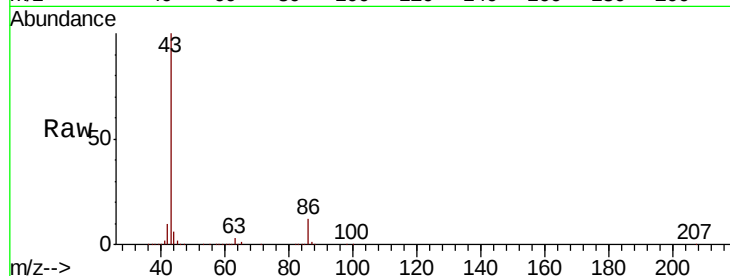
VW1031SBSD01

Tot Ion: 43 Resp: 303348

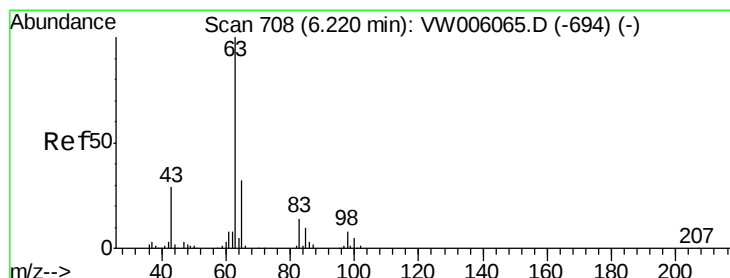
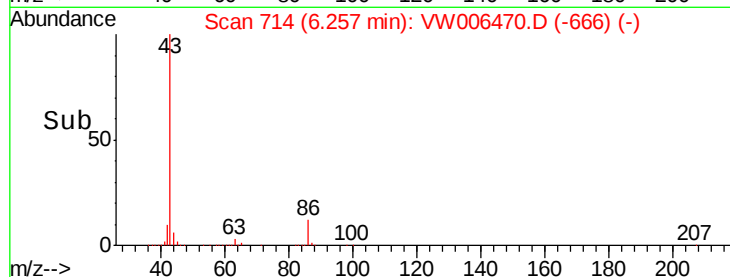
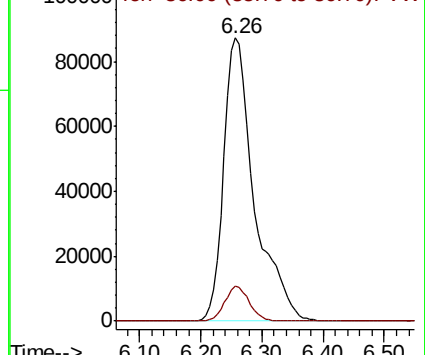
Ion Ratio Lower Upper

43 100

86 12.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 25.006 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

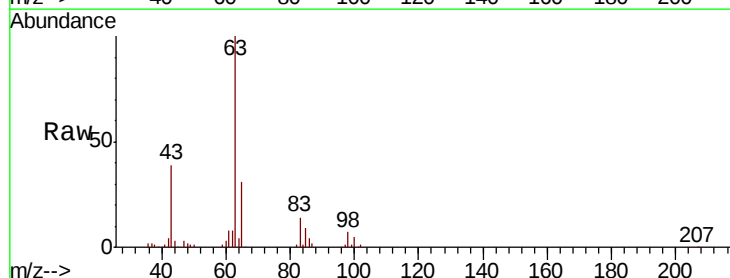
Tgt Ion: 63 Resp: 75840

Ion Ratio Lower Upper

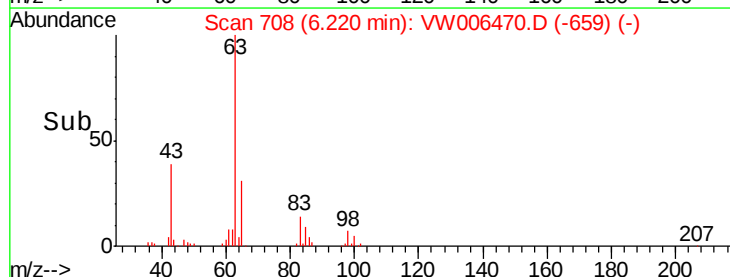
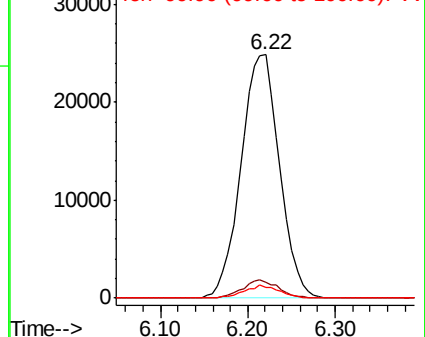
63 100

98 6.7 3.8 11.2

100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 115.890 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

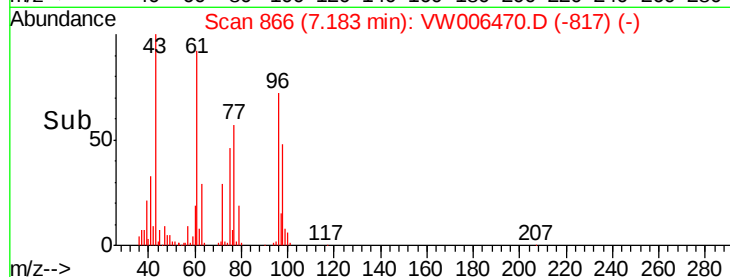
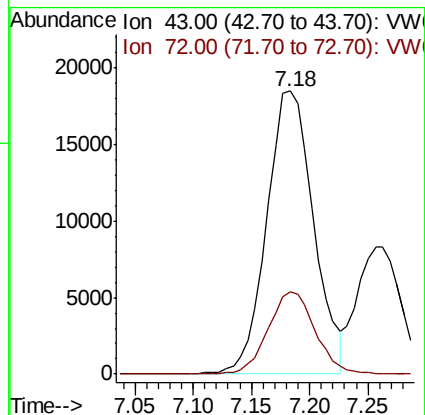
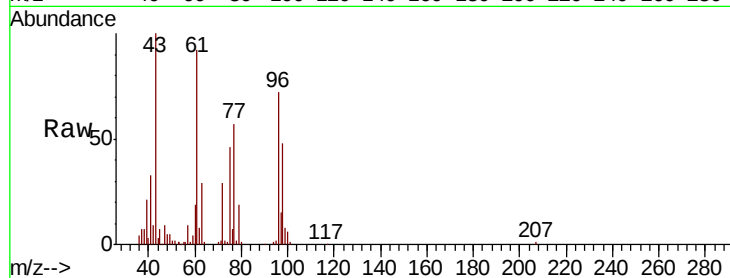
VW1031SBS01

Tot Ion: 43 Resp: 51674

Ion Ratio Lower Upper

43 100

72 29.0 22.8 34.2



#26

2,2-Dichloropropane

Concen: 22.028 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006470.D

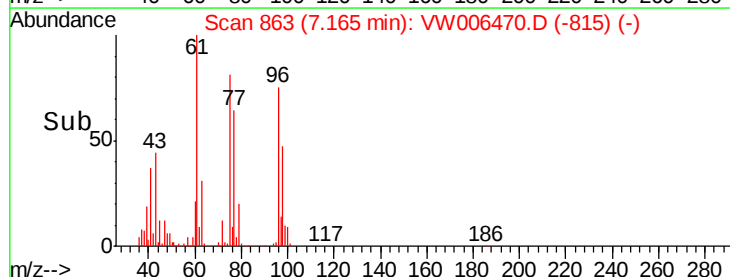
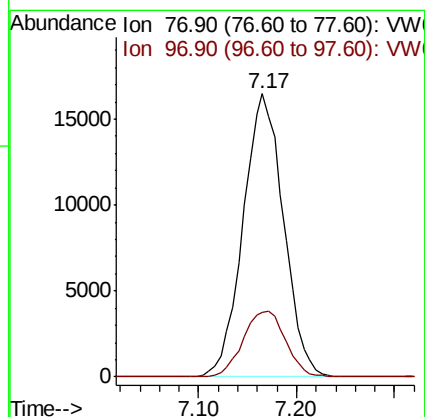
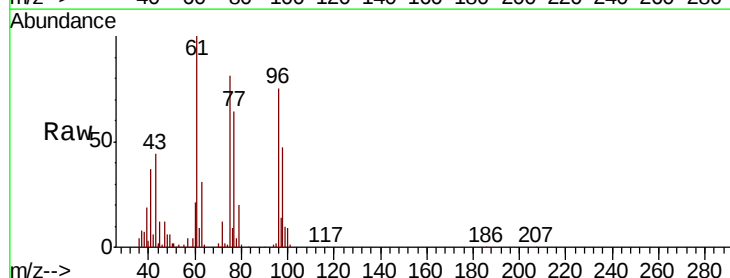
Acq: 30 Oct 2018 00:09

Tgt Ion: 77 Resp: 47118

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.4



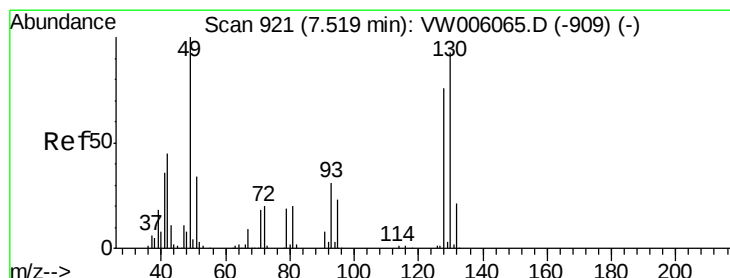
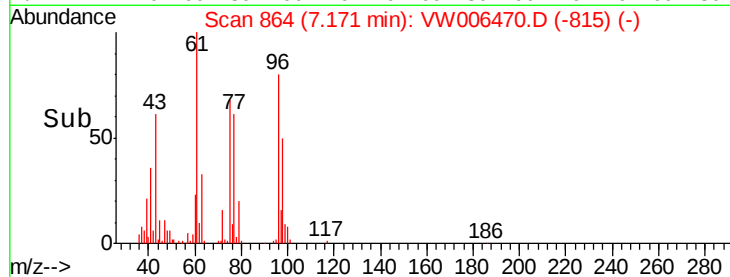
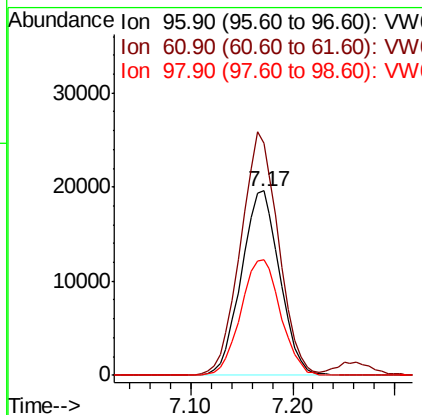
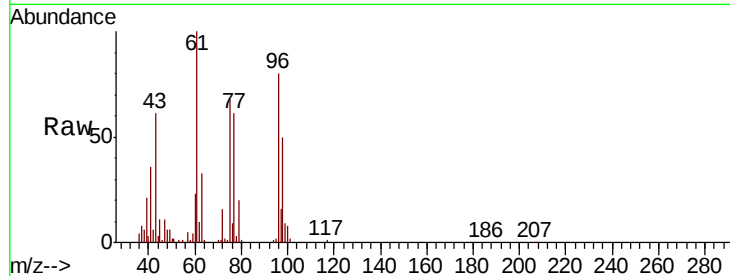


#27

cis-1,2-Dichloroethene
 Concen: 24.977 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBSD01

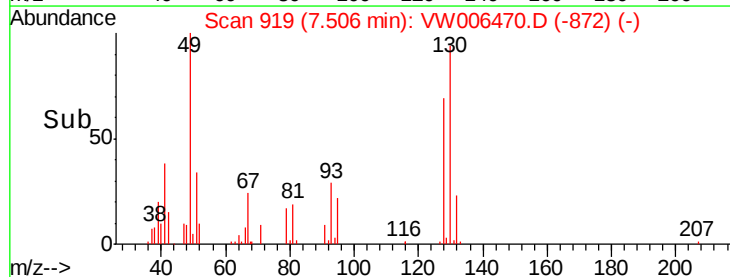
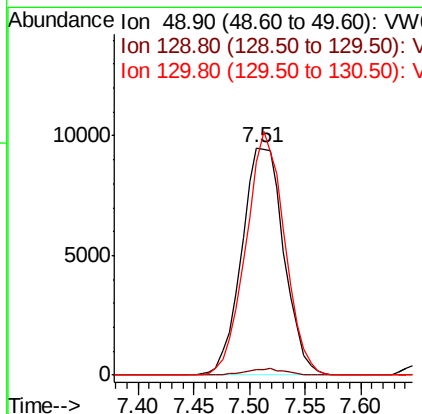
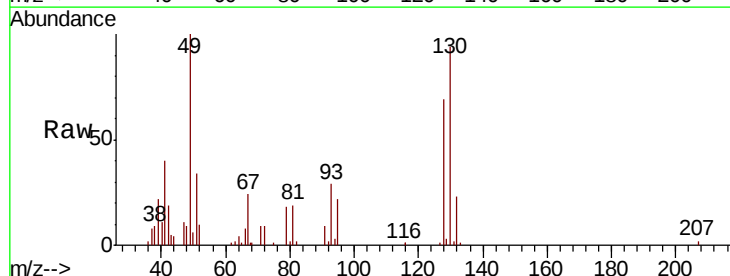
Tot Ion	96	Resp	51177
Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	267.2
98	64.9	0.0	128.6



#28

Bromochloromethane
 Concen: 21.420 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

Tgt Ion	49	Resp	25080
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	98.1	73.8	110.8





#29

Tetrahydrofuran

Concen: 112.016 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

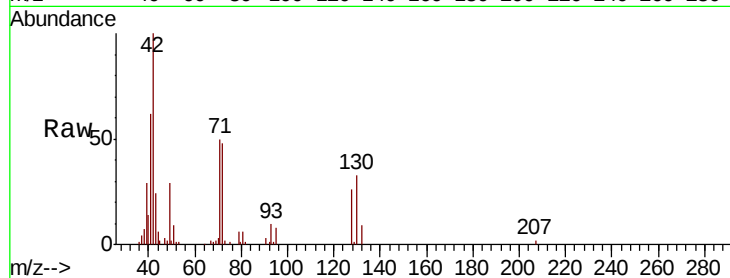
Tot Ion: 42 Resp: 30701

Ion Ratio Lower Upper

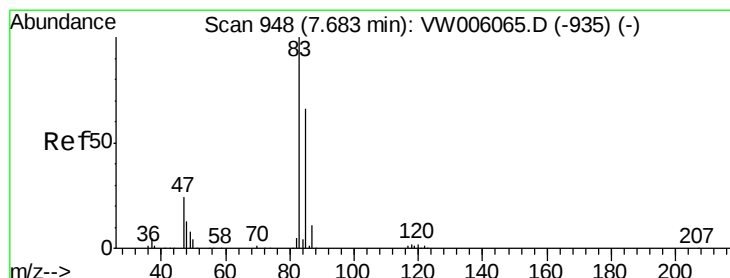
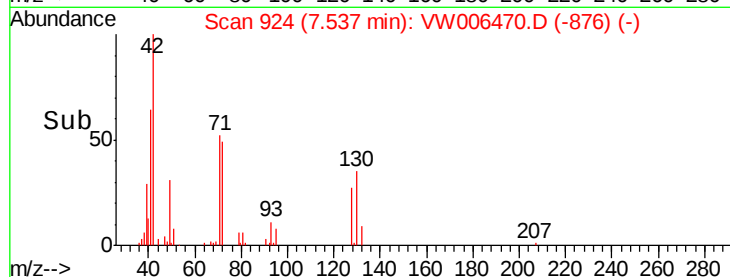
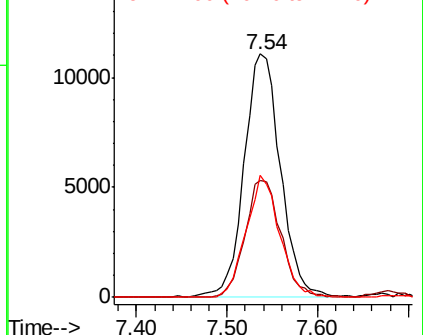
42 100

72 47.4 38.0 57.0

71 46.3 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW
15000 Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 25.070 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006470.D

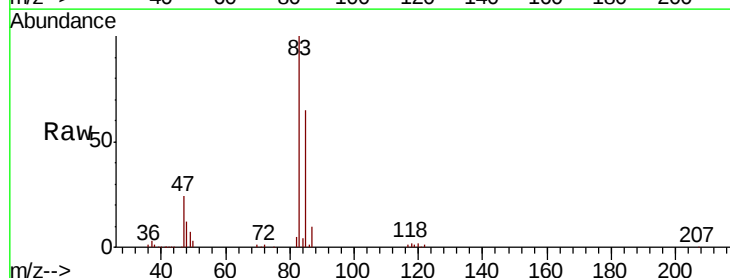
Acq: 30 Oct 2018 00:09

Tgt Ion: 83 Resp: 82838

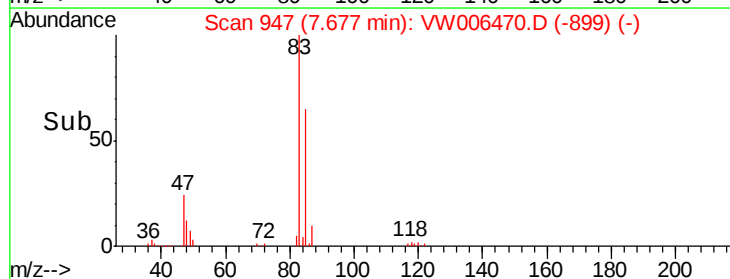
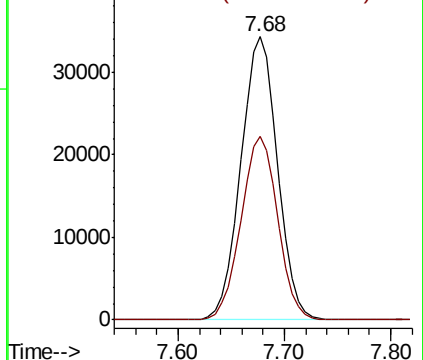
Ion Ratio Lower Upper

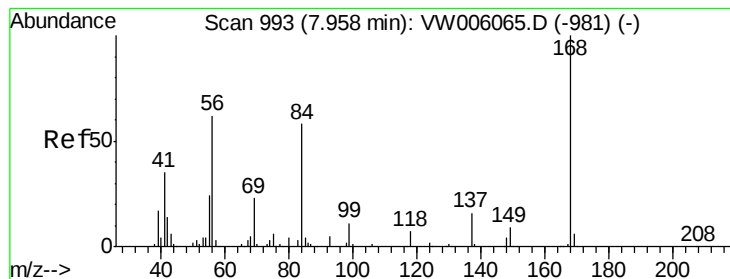
83 100

85 65.0 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
40000 Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 20.505 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

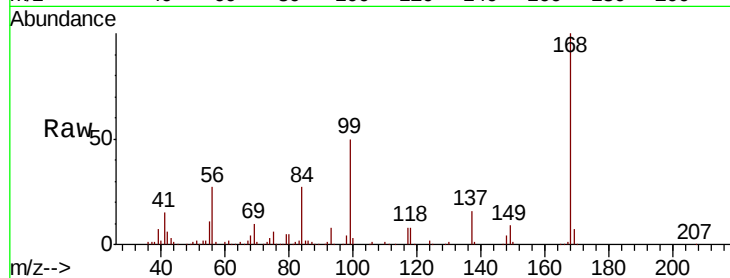
Tot Ion: 56 Resp: 61930

Ion Ratio Lower Upper

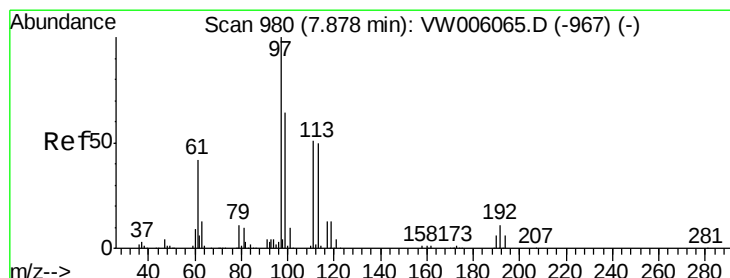
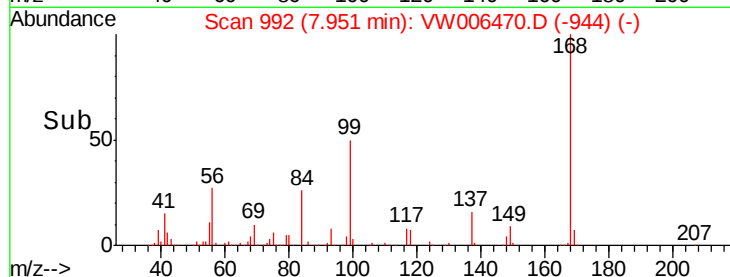
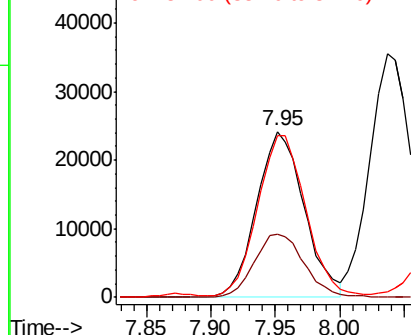
56 100

69 37.7 29.4 44.0

84 96.0 74.0 111.0



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



#32

1,1,1-Trichloroethane

Concen: 22.755 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

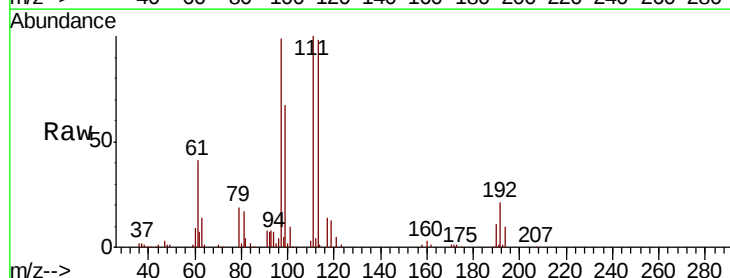
Tgt Ion: 97 Resp: 67824

Ion Ratio Lower Upper

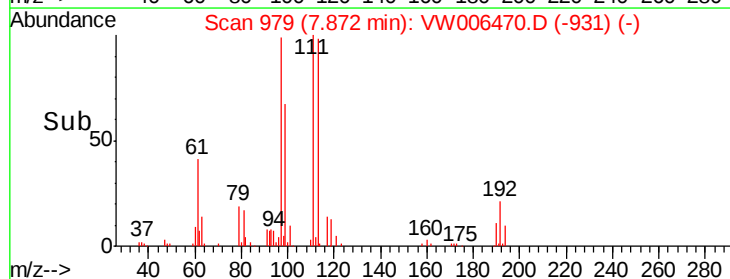
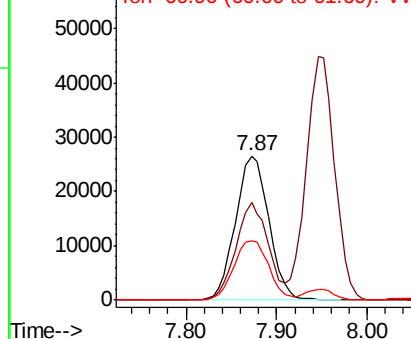
97 100

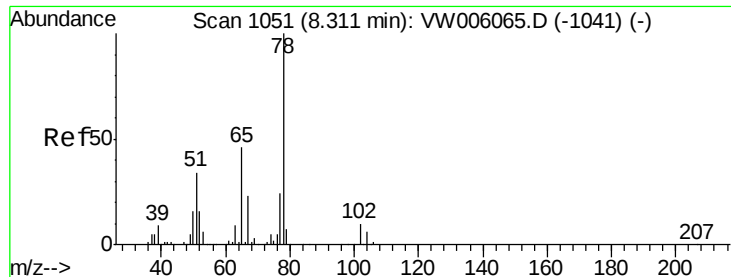
99 65.4 50.9 76.3

61 43.1 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 50.492 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

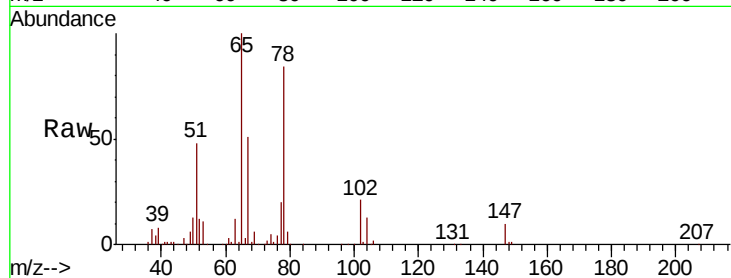
VW1031SBSD01

Tot Ion: 65 Resp: 83338

Ion Ratio Lower Upper

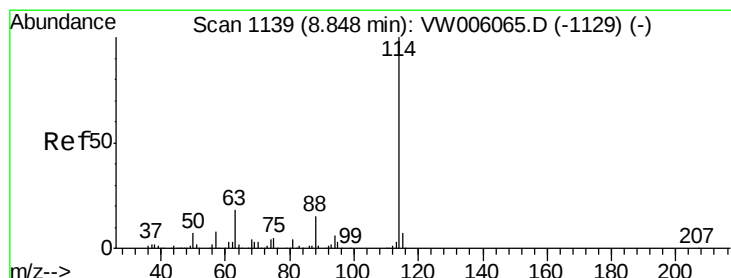
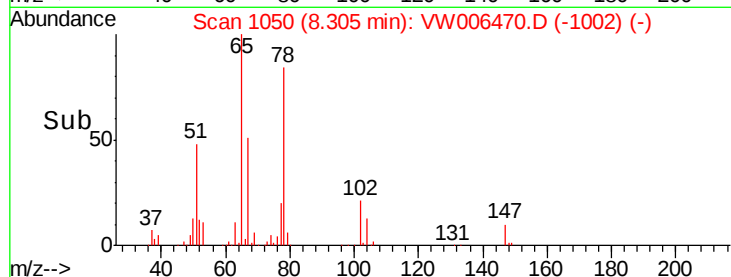
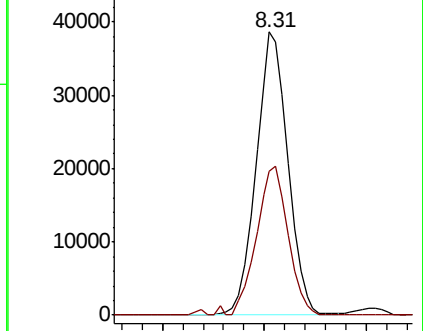
65 100

67 52.4 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

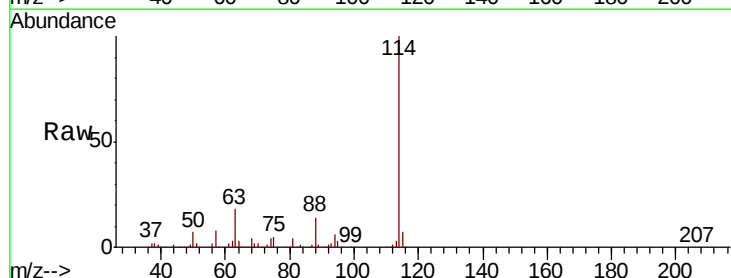
Tgt Ion: 114 Resp: 283686

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

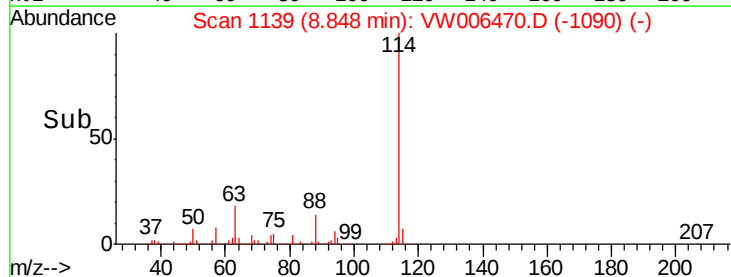
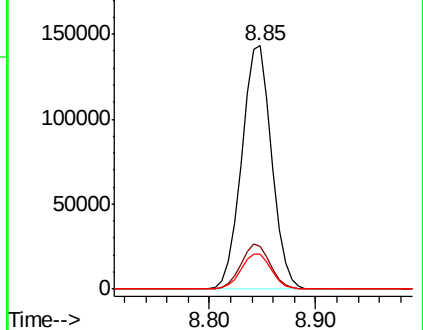
88 14.3 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 52.741 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD01

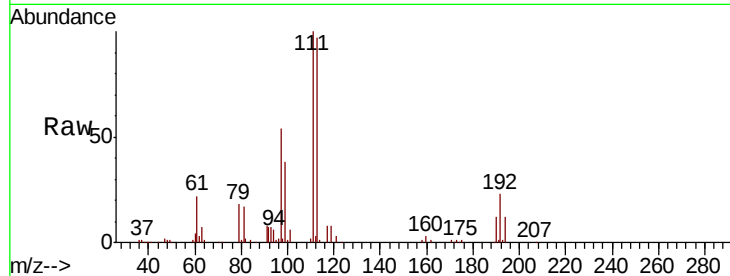
Tot Ion:113 Resp: 88409

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

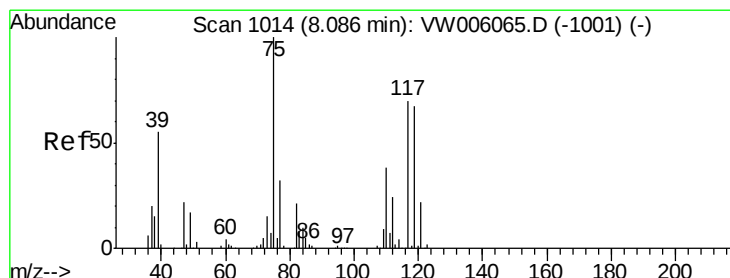
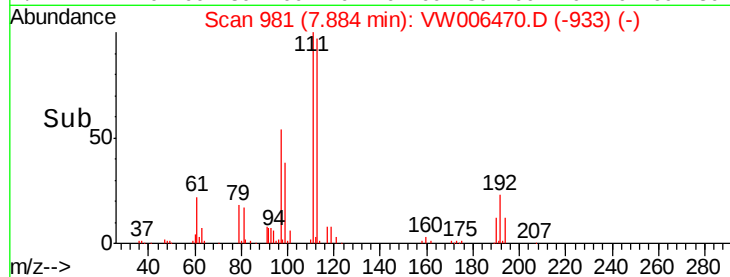
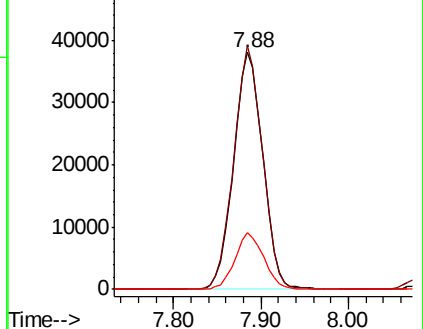
192 23.5 18.7 28.1



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: 23.787 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

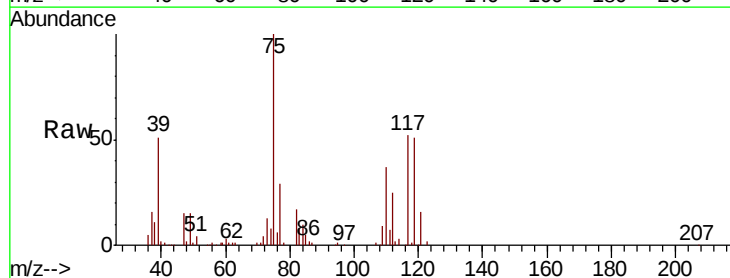
Tgt Ion: 75 Resp: 62197

Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.1

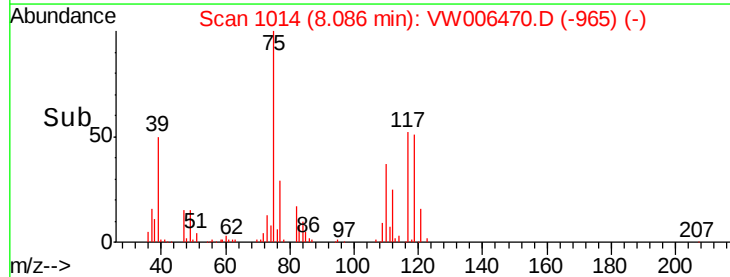
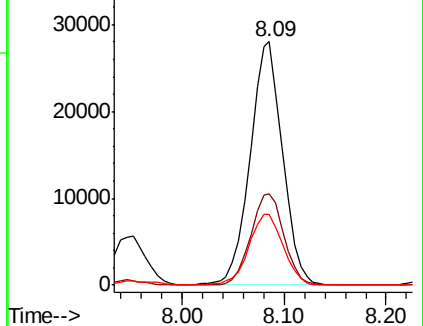
77 30.8 25.0 37.4

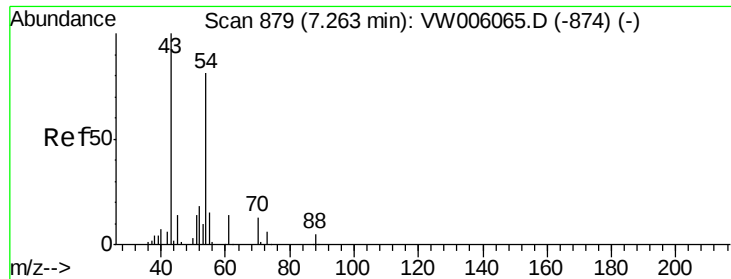


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

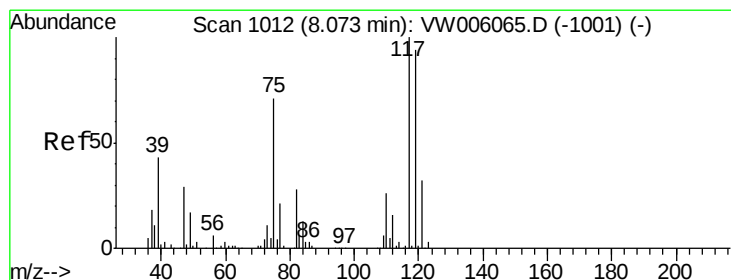
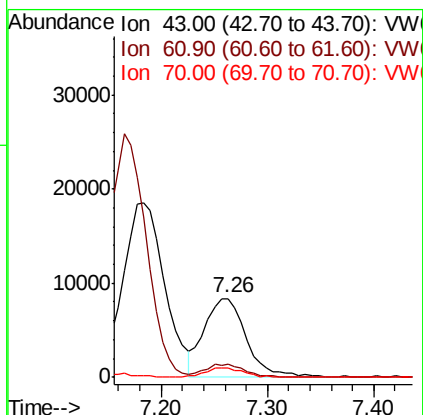
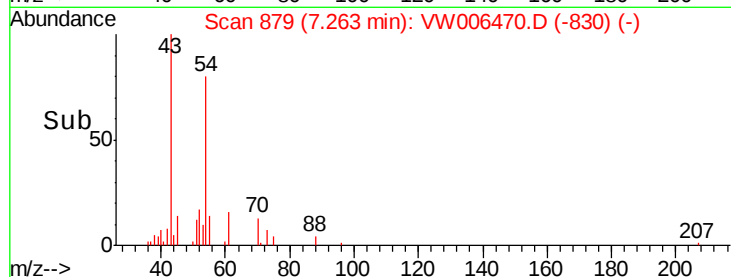
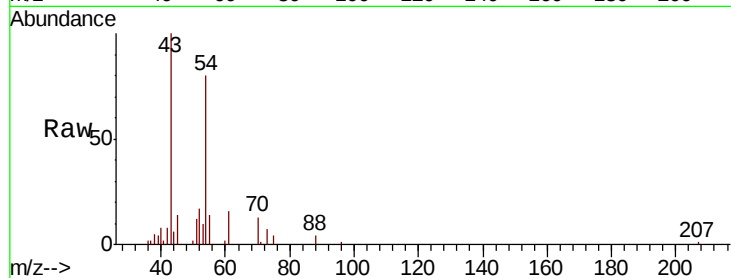




#37
Ethyl Acetate
Concen: 23.627 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

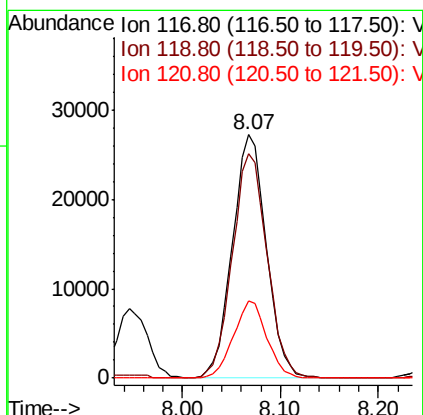
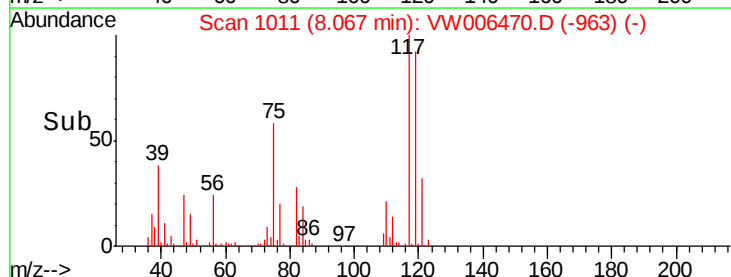
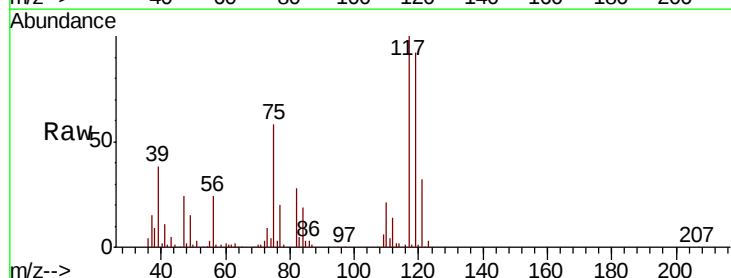
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

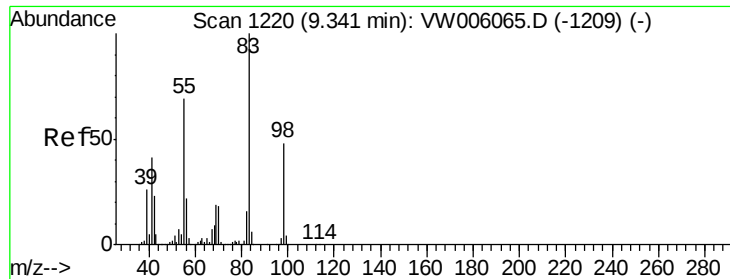
Tot Ion: 43 Resp: 22954
Ion Ratio Lower Upper
43 100
61 15.3 11.5 17.3
70 10.9 9.2 13.8



#38
Carbon Tetrachloride
Concen: 22.917 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion: 117 Resp: 65691
Ion Ratio Lower Upper
117 100
119 92.0 75.2 112.8
121 31.5 25.3 37.9

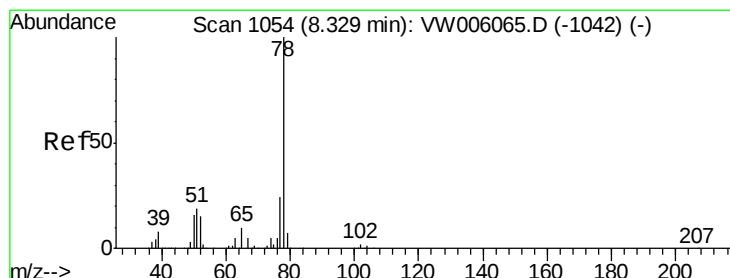
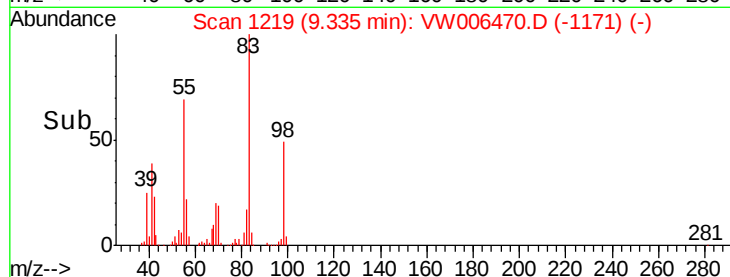
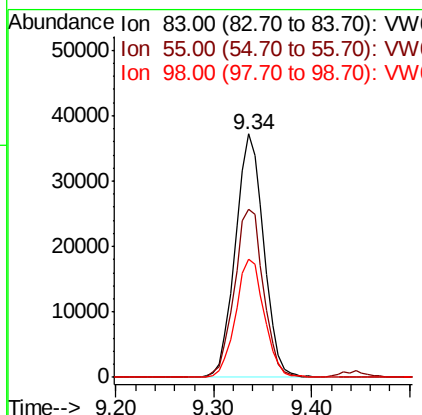
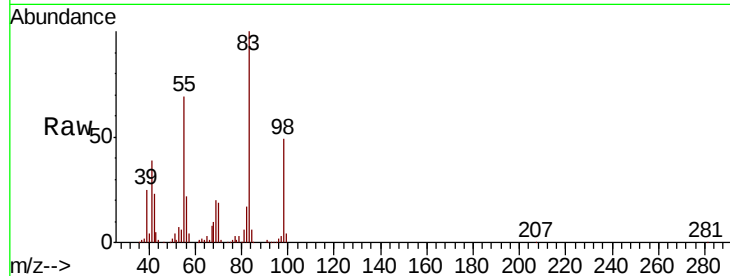




#39
Methvlcvclohexane
Concen: 21.518 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

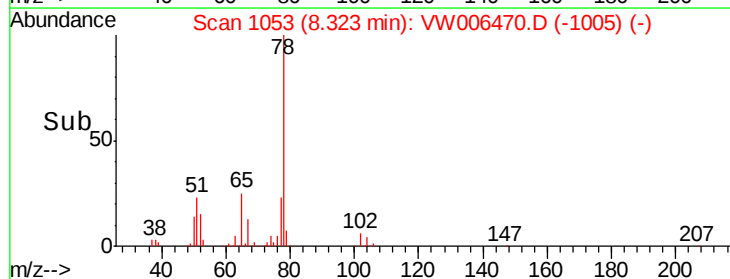
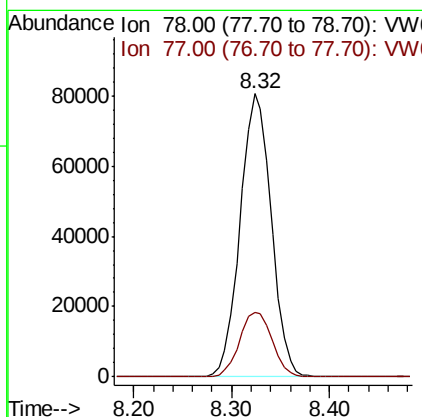
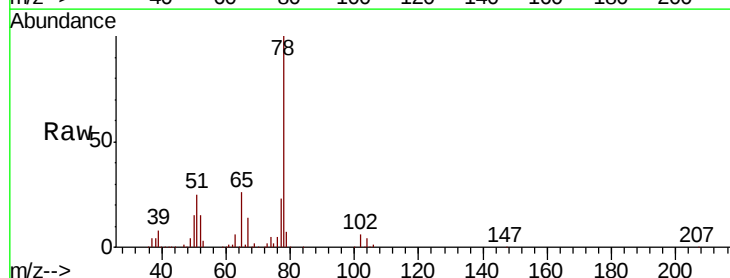
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

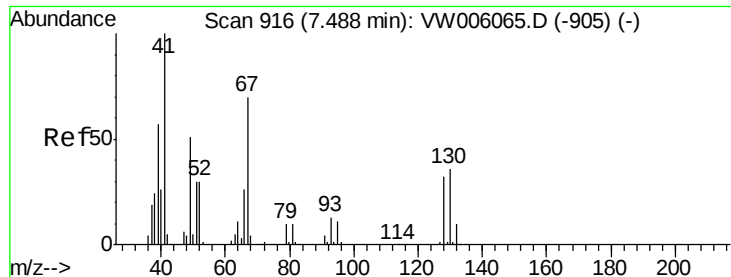
Tot Ion: 83 Resp: 74792
Ion Ratio Lower Upper
83 100
55 69.3 55.0 82.6
98 48.5 38.6 57.8



#40
Benzene
Concen: 24.710 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion: 78 Resp: 177236
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.0

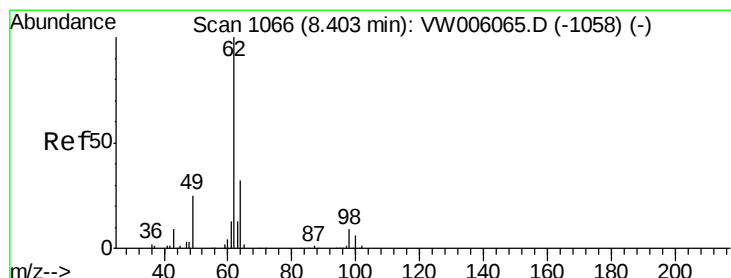
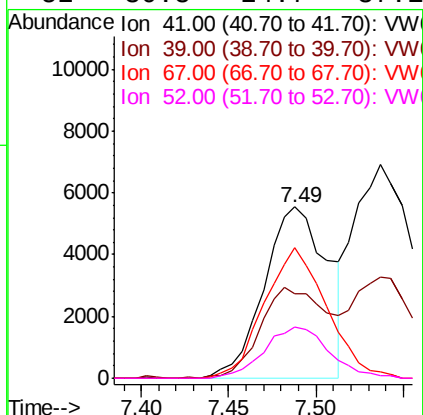
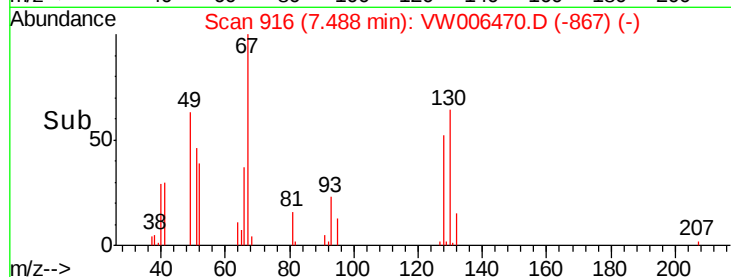
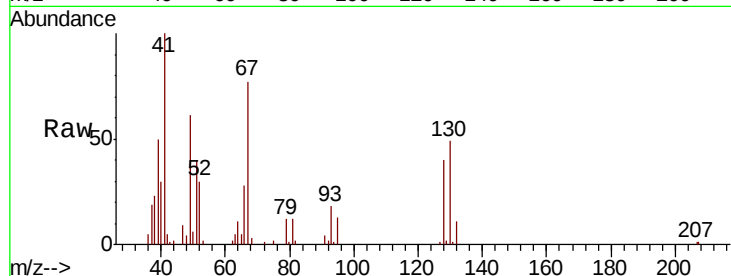




#41
Methacrylonitrile
Concen: 23.886 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

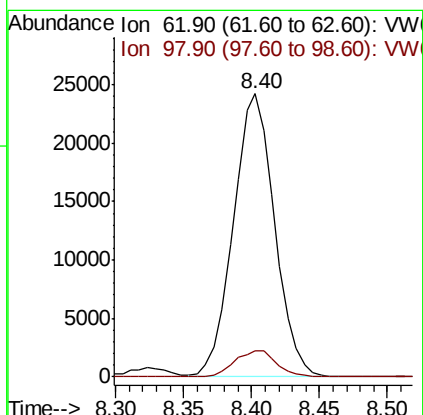
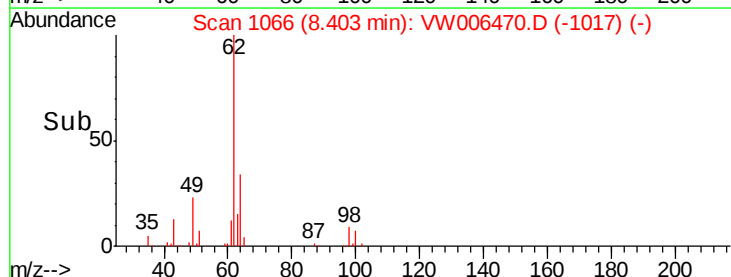
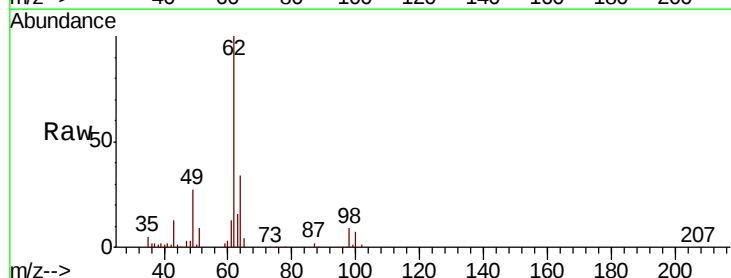
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

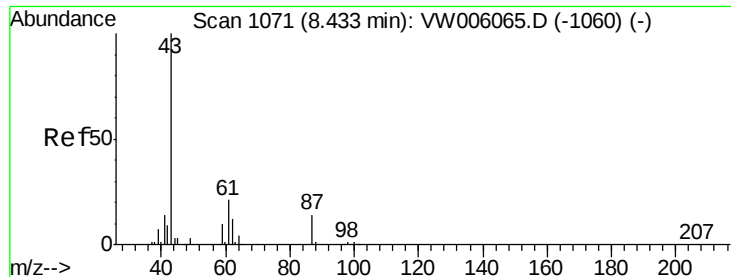
Tot Ion:	41	Resp:	13989
Ion	Ratio	Lower	Upper
41	100		
39	56.4	46.2	69.4
67	75.1	57.7	86.5
52	30.8	24.7	37.1



#42
1,2-Dichloroethane
Concen: 24.254 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion:	62	Resp:	51110
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 22.403 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

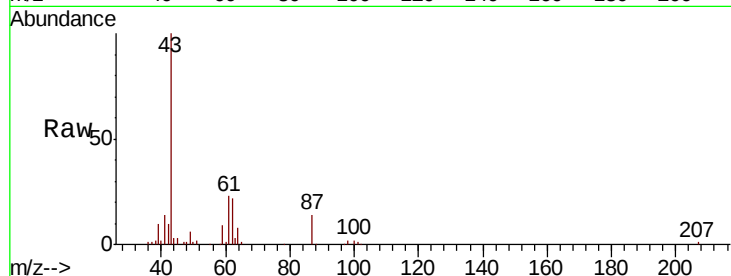
Tot Ion: 43 Resp: 44501

Ion Ratio Lower Upper

43 100

61 32.7 25.5 38.3

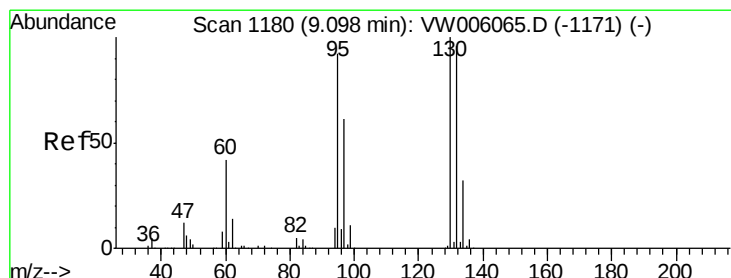
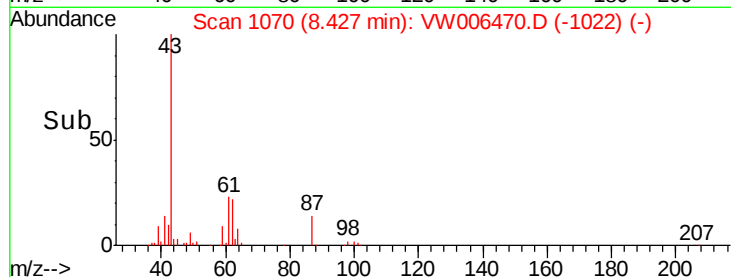
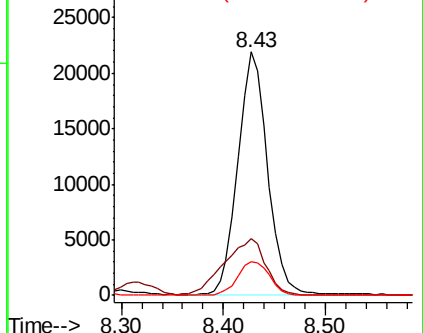
87 14.8 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 24.558 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006470.D

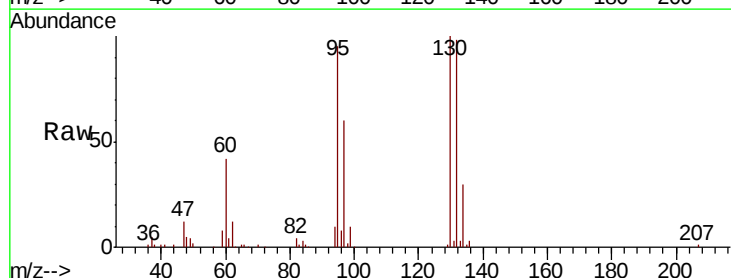
Acq: 30 Oct 2018 00:09

Tgt Ion: 130 Resp: 54041

Ion Ratio Lower Upper

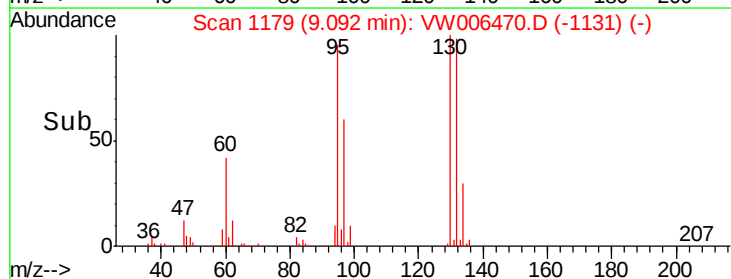
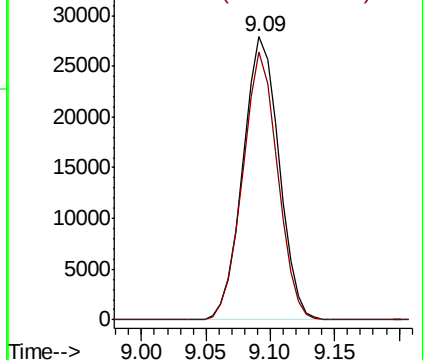
130 100

95 94.7 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 24.768 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

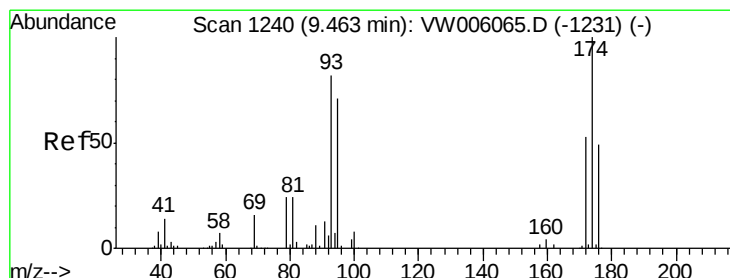
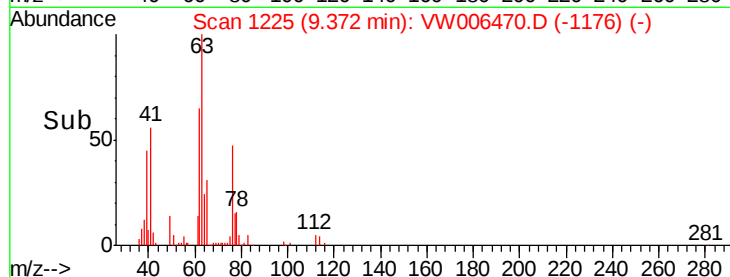
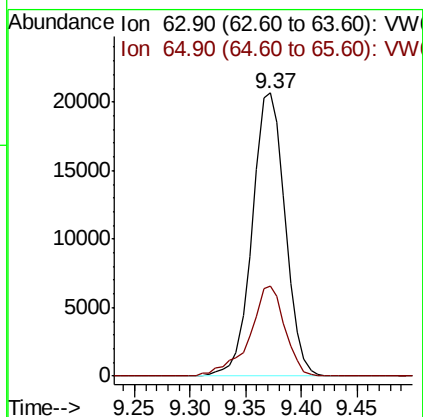
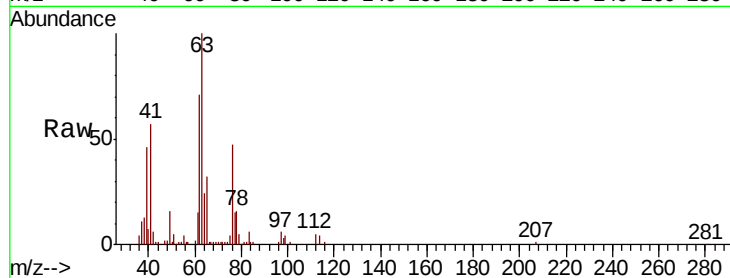
VW1031SBS01

Tot Ion: 63 Resp: 42510

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.0



#46

Dibromomethane

Concen: 24.737 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

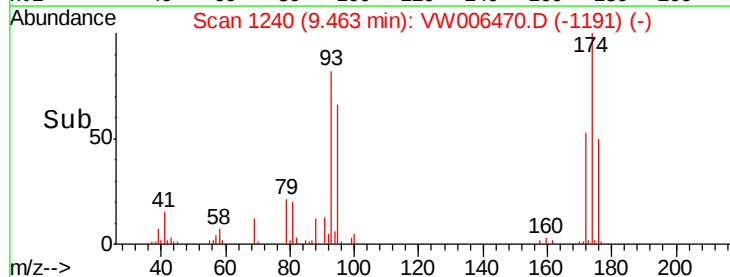
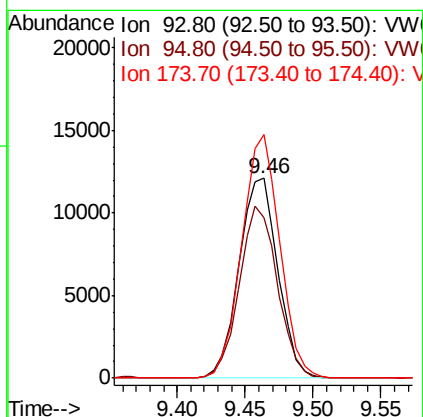
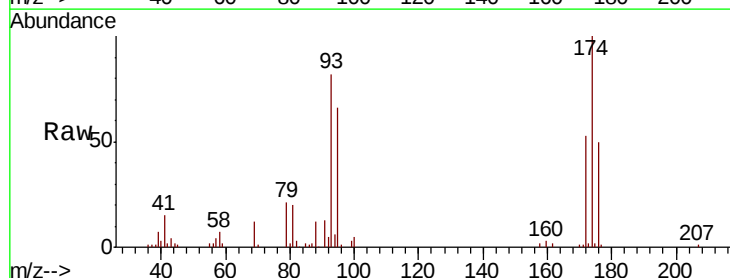
Tgt Ion: 93 Resp: 24199

Ion Ratio Lower Upper

93 100

95 84.5 67.7 101.5

174 119.1 93.7 140.5





#47

Bromodichloromethane

Concen: 23.352 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

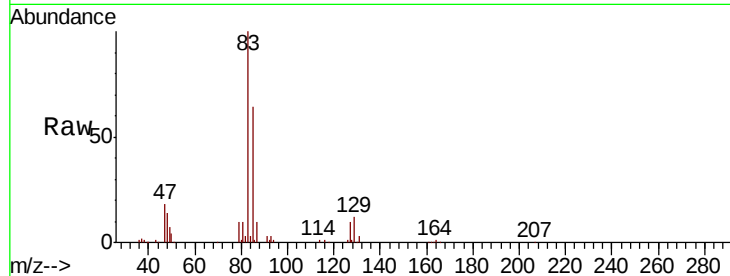
Tot Ion: 83 Resp: 55383

Ion Ratio Lower Upper

83 100

85 64.5 51.8 77.8

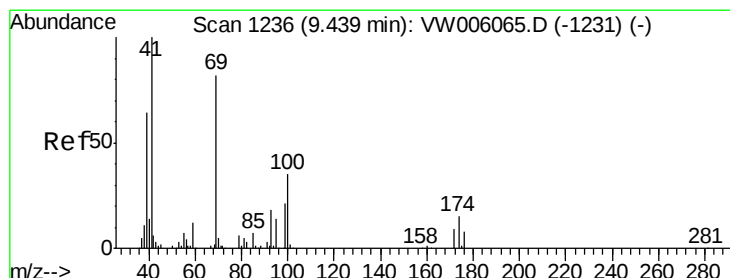
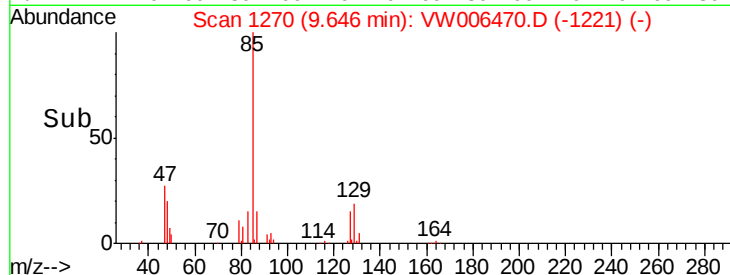
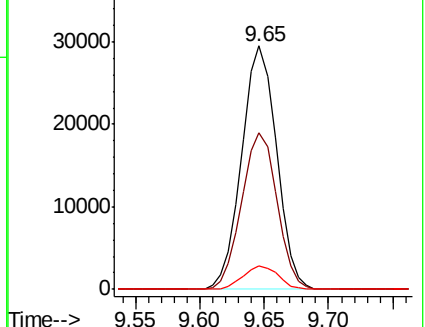
127 9.8 6.9 10.3



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: 21.706 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

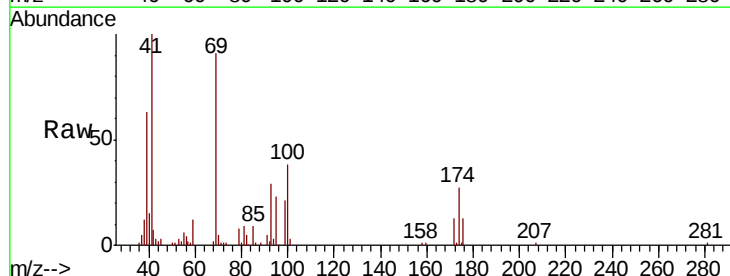
Tgt Ion: 41 Resp: 20438

Ion Ratio Lower Upper

41 100

69 97.1 71.8 107.8

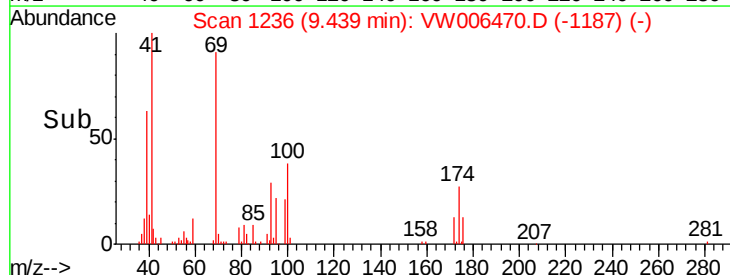
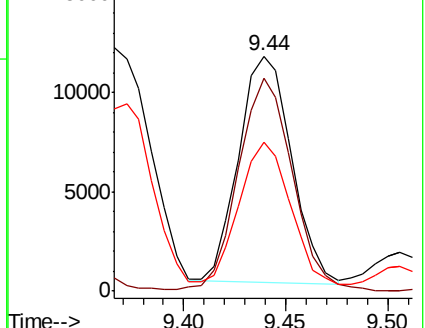
39 61.1 52.5 78.7

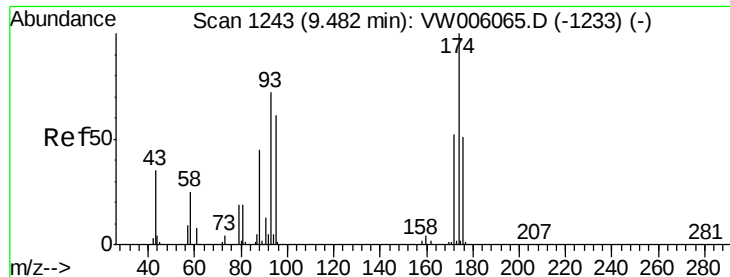


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 515.883 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

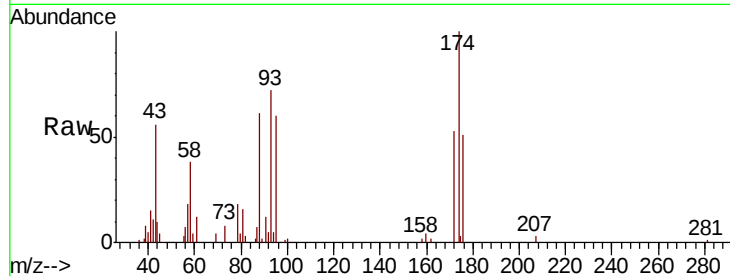
Tot Ion: 88 Resp: 7769

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

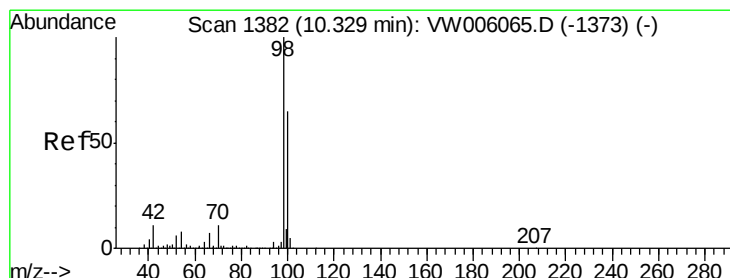
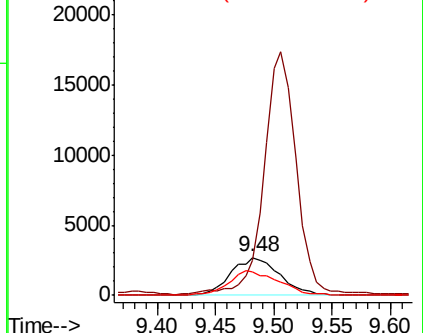
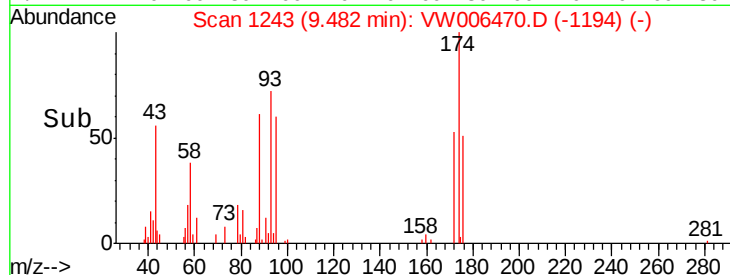
58 66.8 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.792 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006470.D

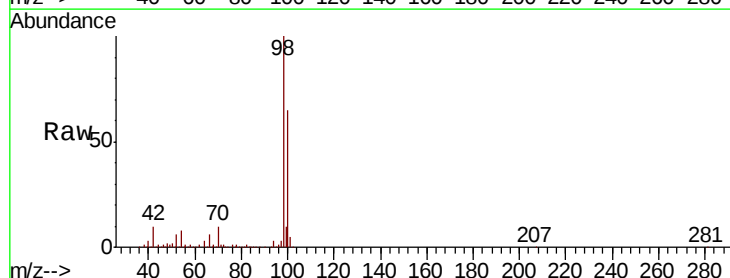
Acq: 30 Oct 2018 00:09

Tgt Ion: 98 Resp: 330303

Ion Ratio Lower Upper

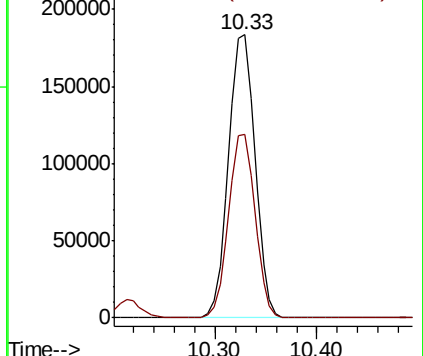
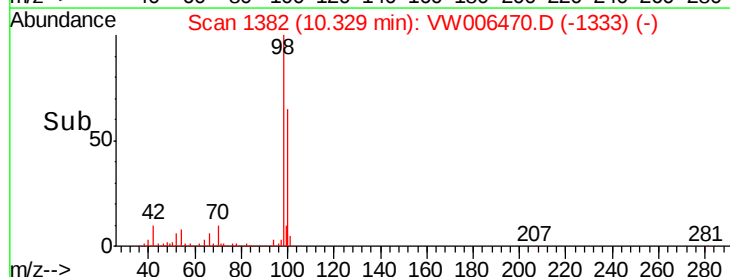
98 100

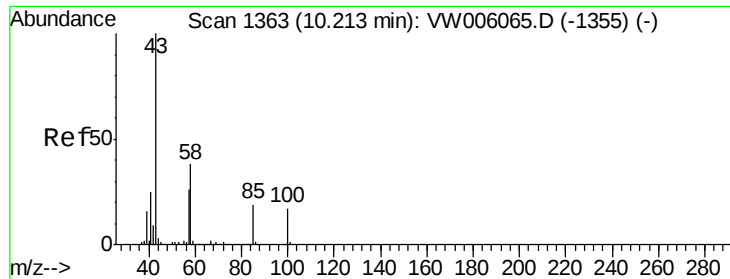
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 115.899 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

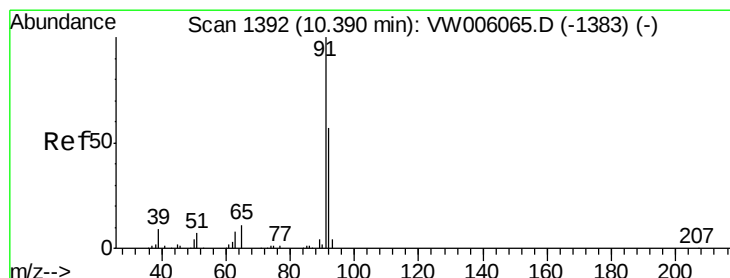
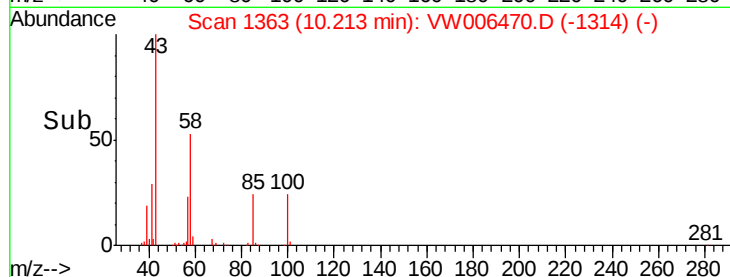
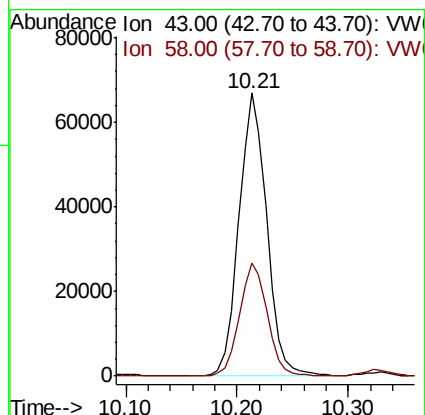
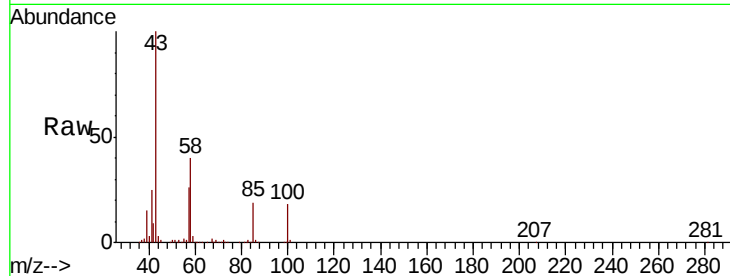
VW1031SBS01

Tot Ion: 43 Resp: 115348

Ion Ratio Lower Upper

43 100

58 39.9 31.5 47.3



#52

Toluene

Concen: 25.197 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006470.D

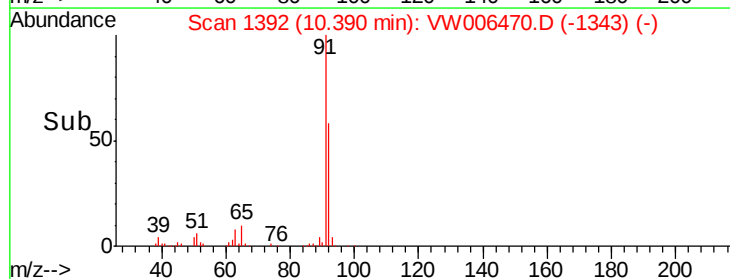
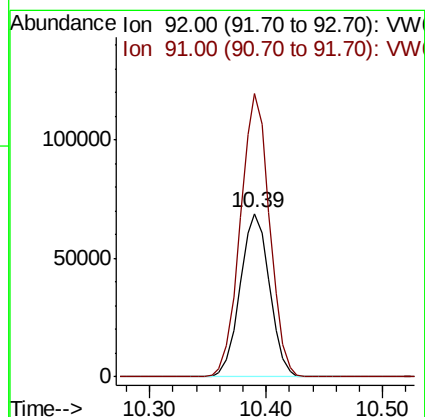
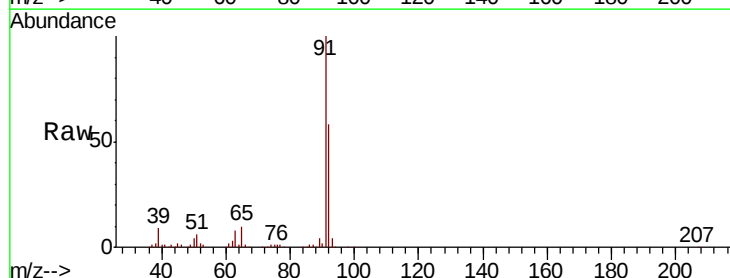
Acq: 30 Oct 2018 00:09

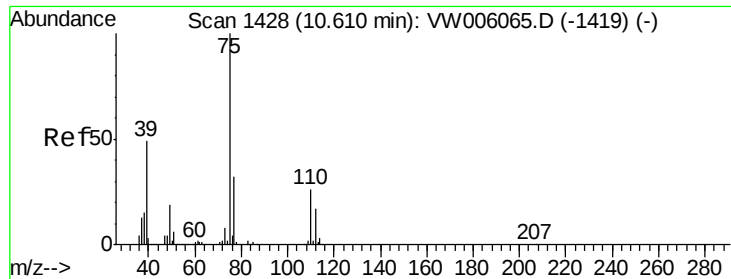
Tgt Ion: 92 Resp: 121164

Ion Ratio Lower Upper

92 100

91 172.2 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 22.785 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

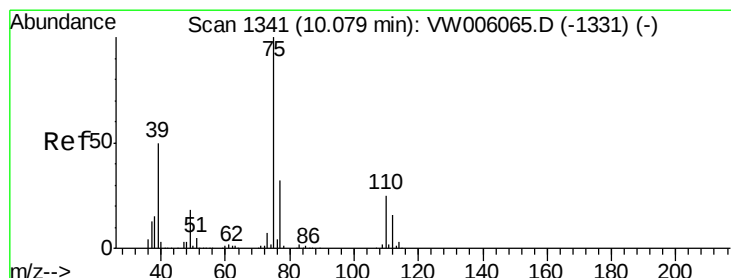
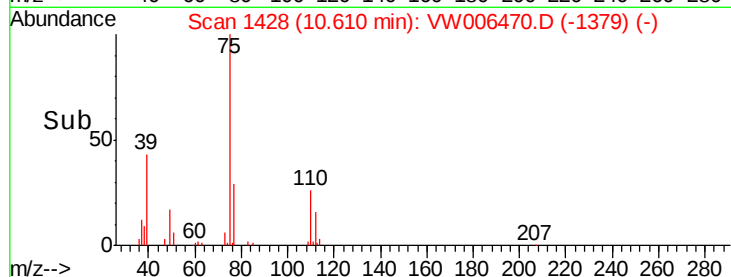
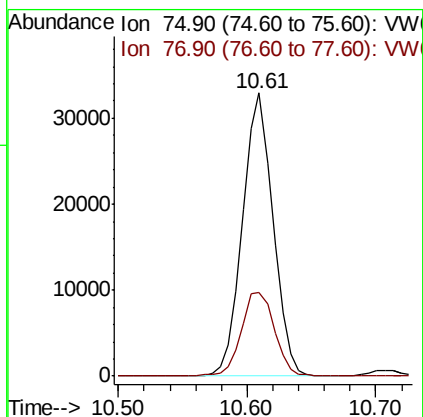
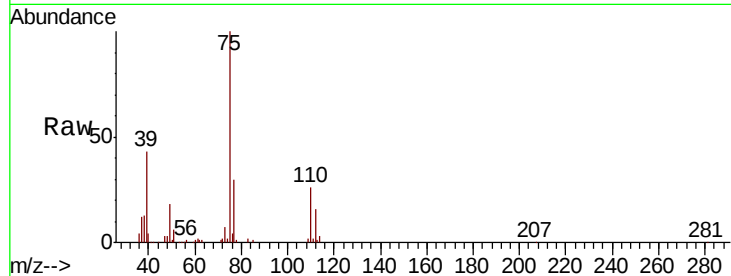
VW1031SBSD01

Tot Ion: 75 Resp: 53840

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 23.578 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

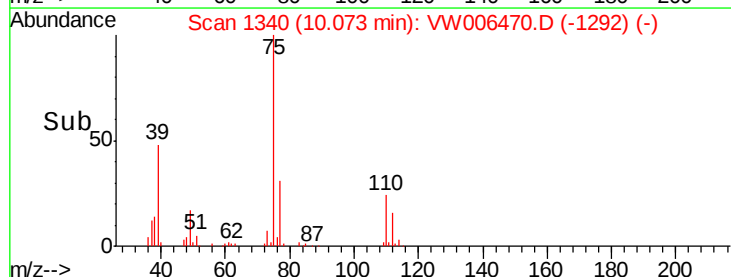
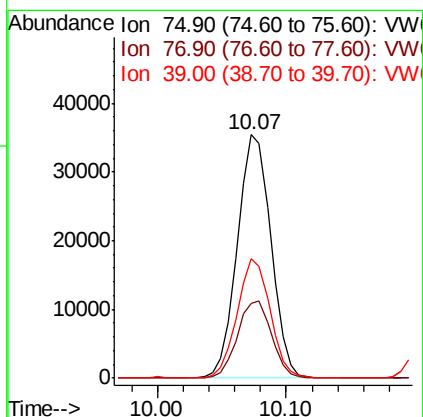
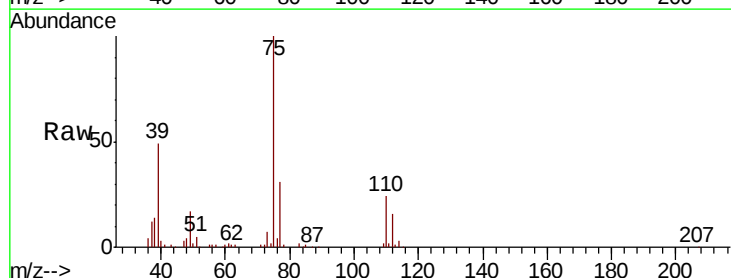
Tgt Ion: 75 Resp: 63943

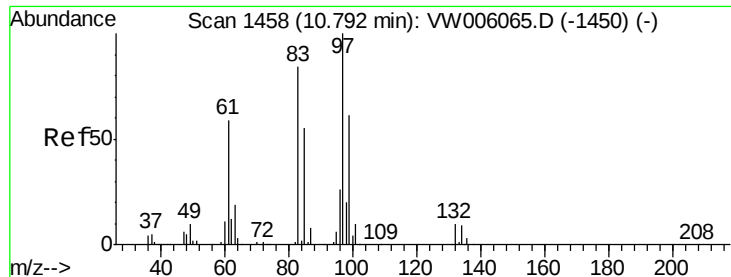
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 48.7 39.9 59.9

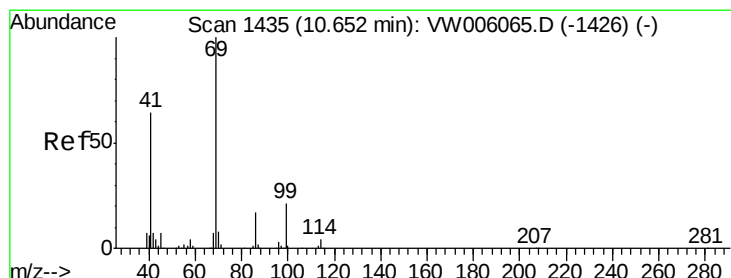
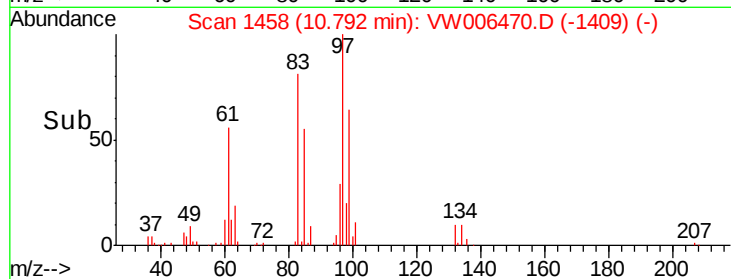
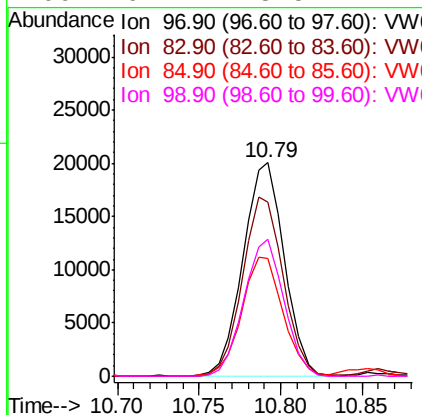
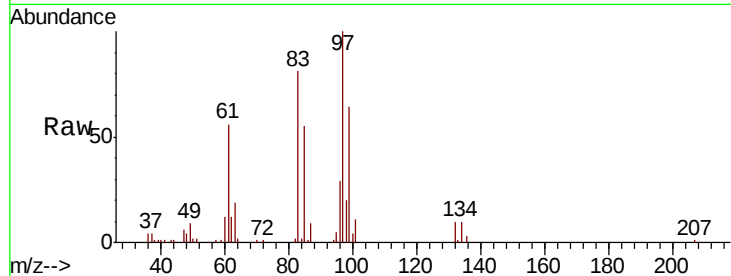




#55
 1,1,2-Trichloroethane
 Concen: 25.767 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

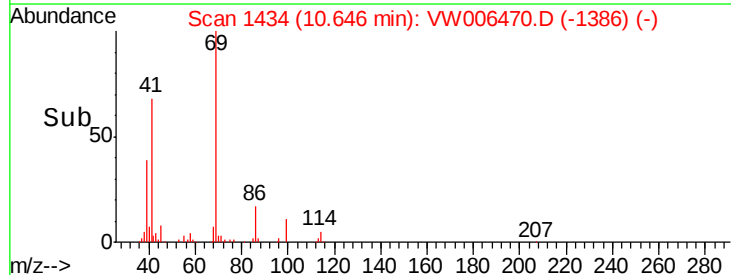
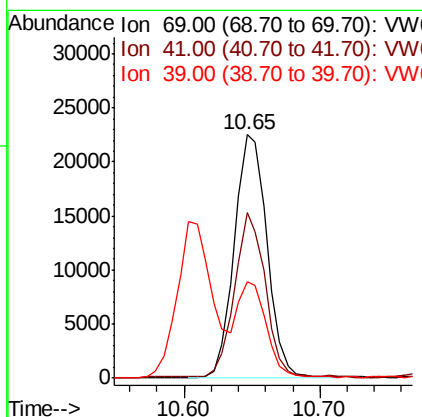
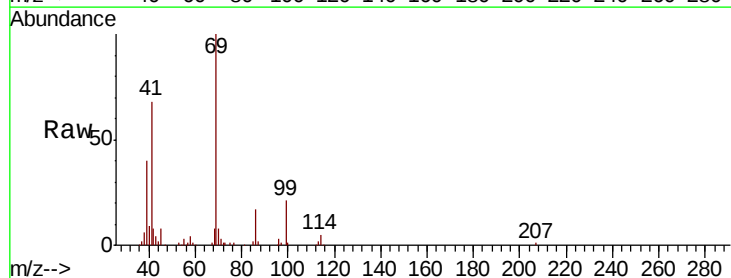
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

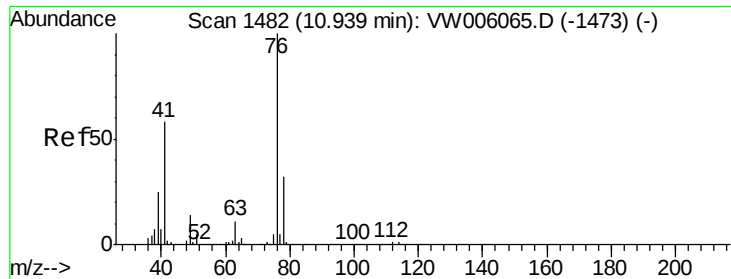
Tot Ion:	97	Resp:	35273
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.2	100.8
85	55.1	43.7	65.5
99	64.2	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 22.500 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

Tgt Ion:	69	Resp:	37759
Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.8	79.2
39	34.2	30.6	45.8





#57

1,3-Dichloropropane

Concen: 24.978 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

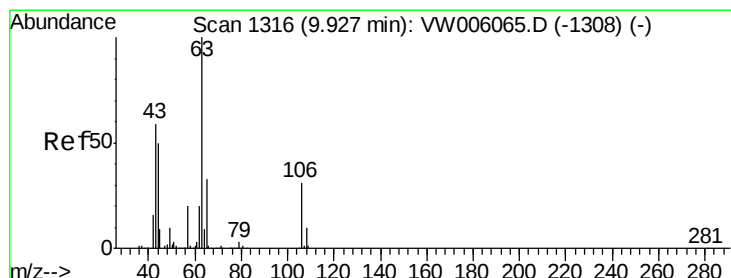
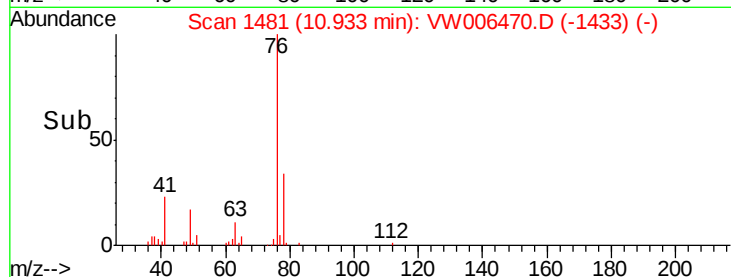
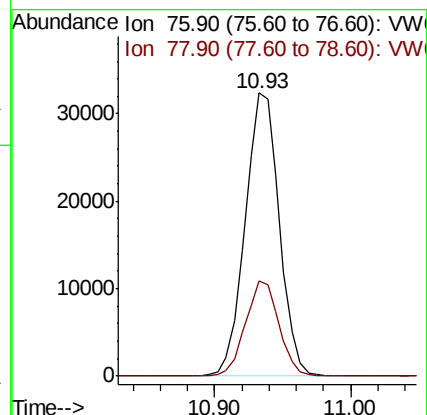
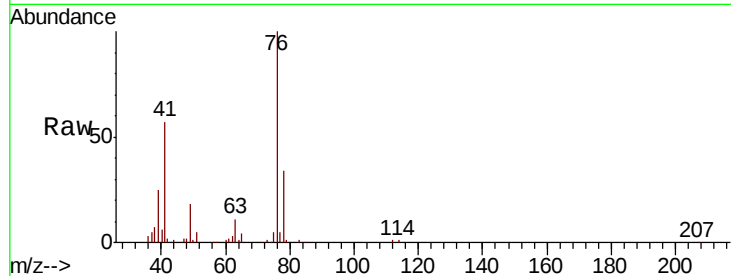
VW1031SBS01

Tot Ion: 76 Resp: 56604

Ion Ratio Lower Upper

76 100

78 33.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 118.721 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006470.D

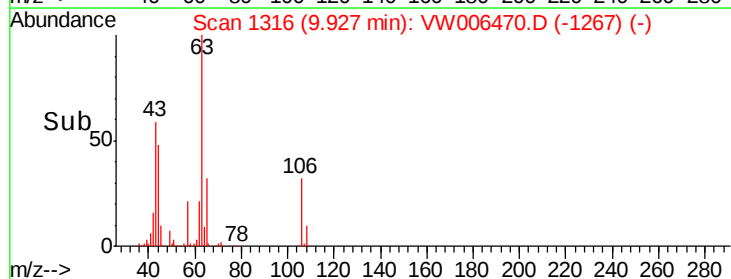
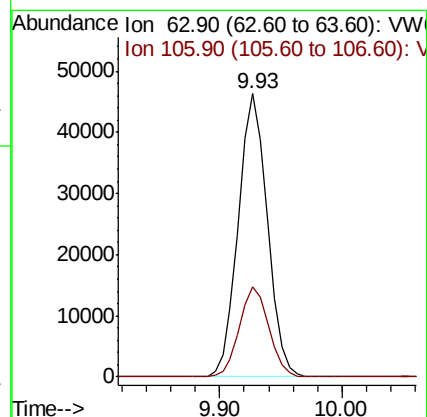
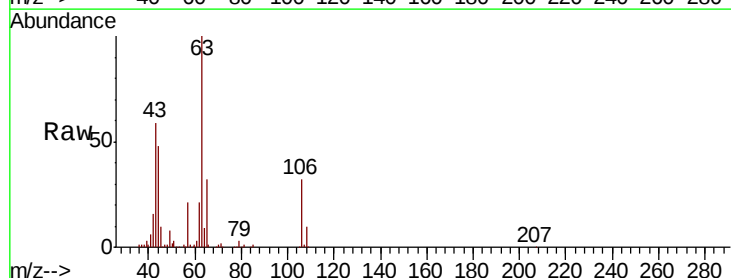
Acq: 30 Oct 2018 00:09

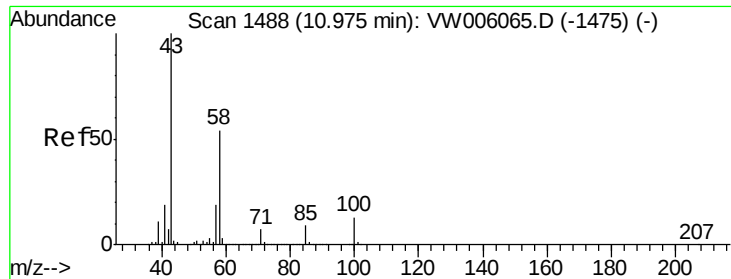
Tgt Ion: 63 Resp: 76131

Ion Ratio Lower Upper

63 100

106 32.1 24.5 36.7

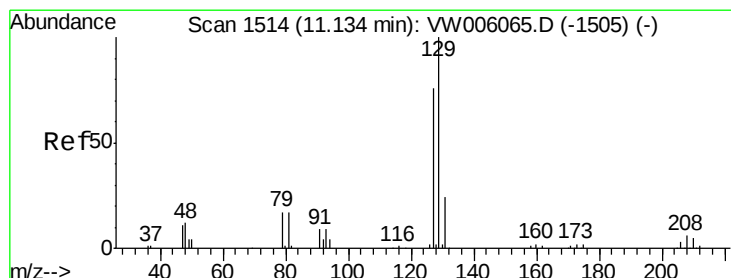
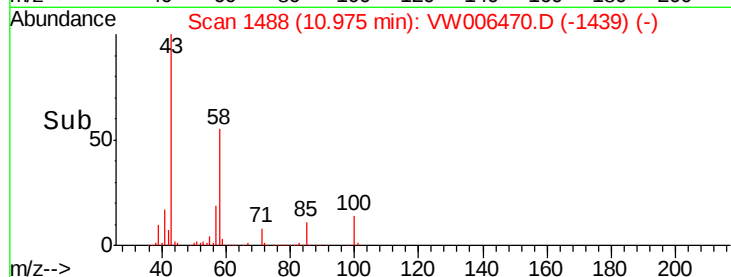
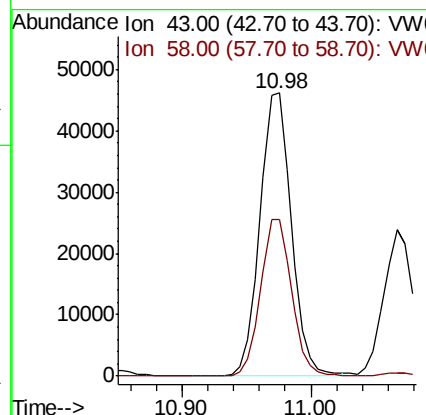
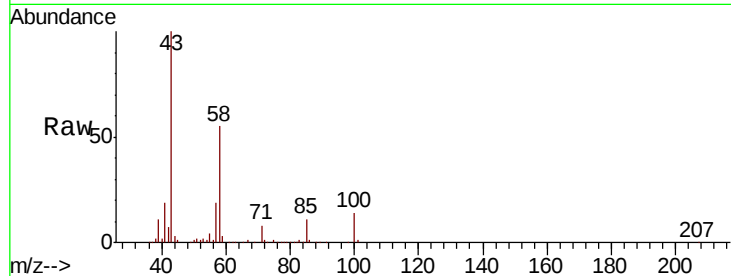




#59
2-Hexanone
Concen: 109.518 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

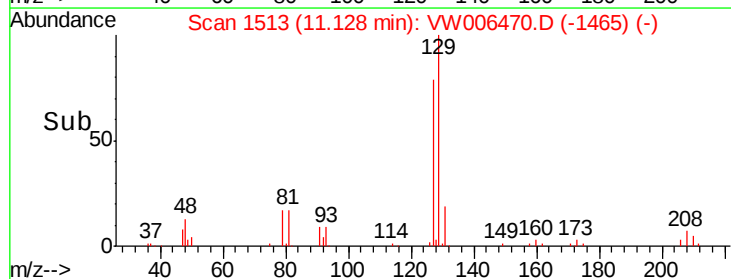
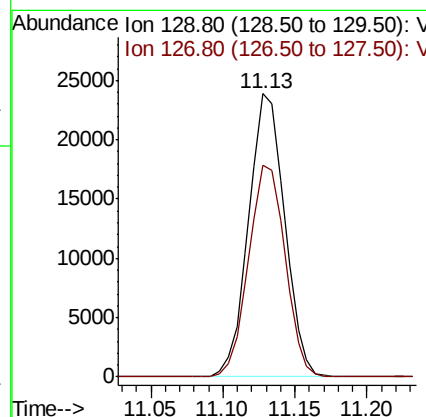
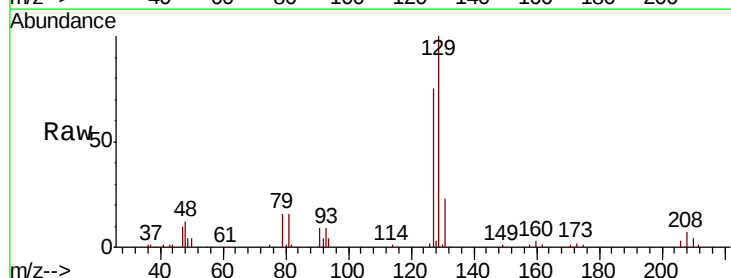
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD01

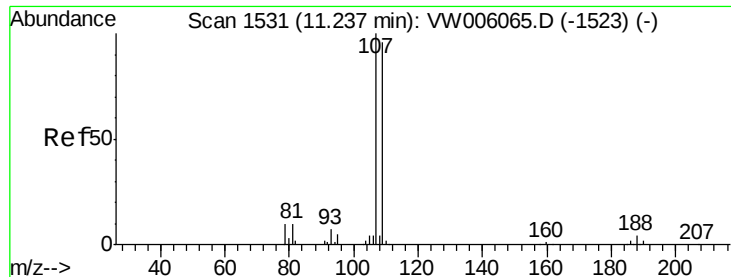
Tot Ion: 43 Resp: 77806
Ion Ratio Lower Upper
43 100
58 54.6 26.9 80.6



#60
Dibromochloromethane
Concen: 24.322 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion: 129 Resp: 41472
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 25.752 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

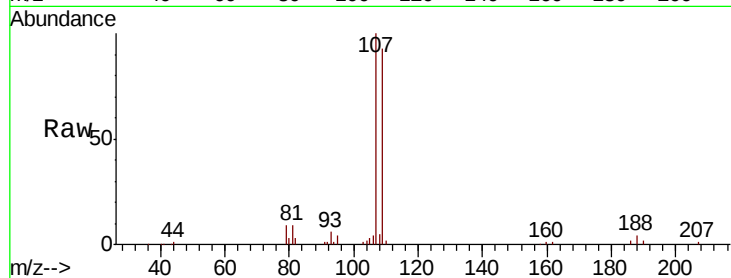
VW1031SBS01

Tot Ion:107 Resp: 35224

Ion Ratio Lower Upper

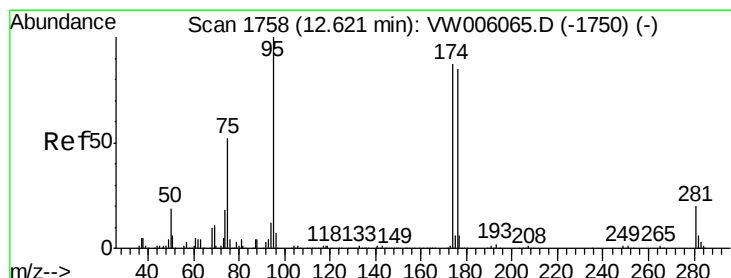
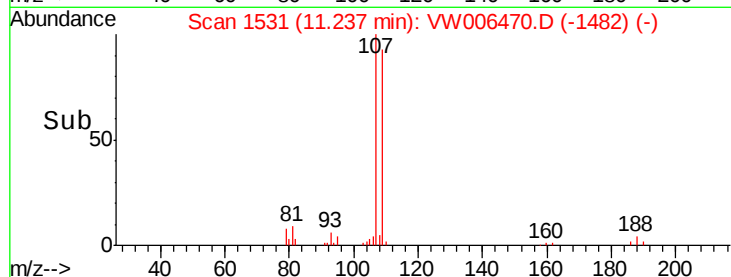
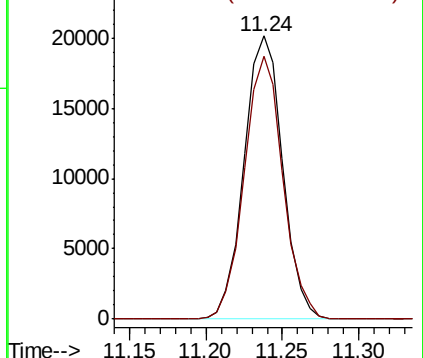
107 100

109 93.3 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.489 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

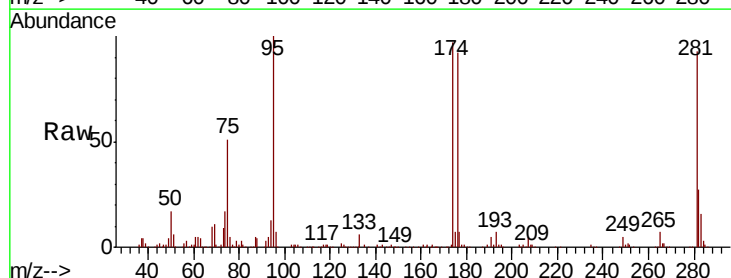
Tgt Ion: 95 Resp: 123331

Ion Ratio Lower Upper

95 100

174 99.5 0.0 186.0

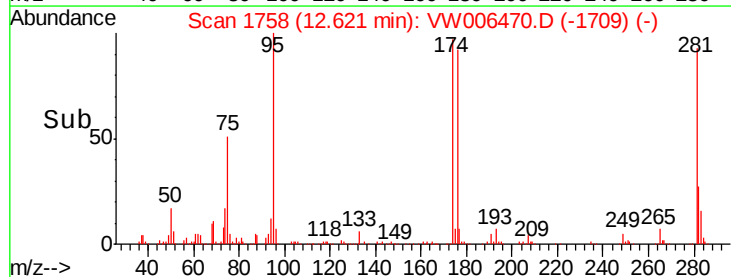
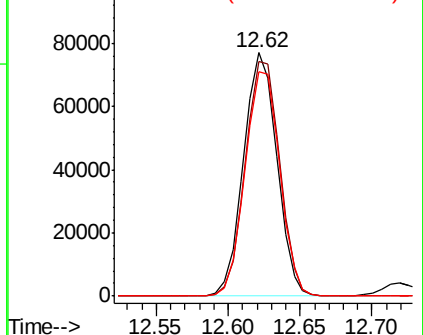
176 95.9 0.0 181.6

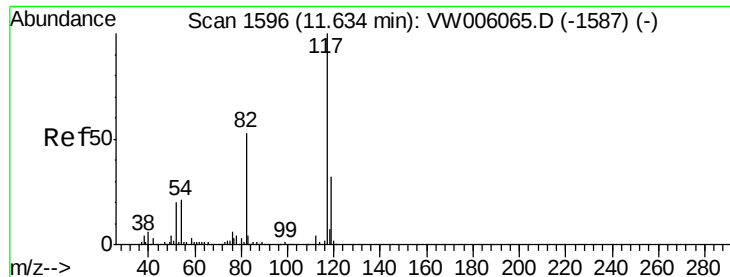


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

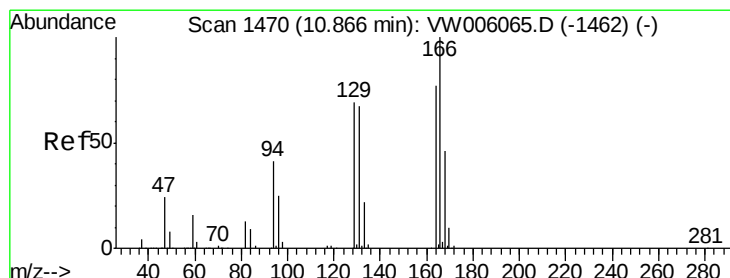
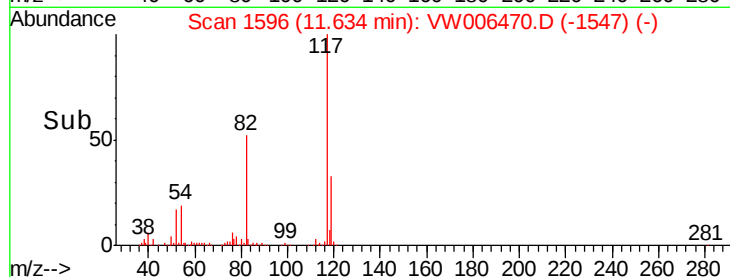
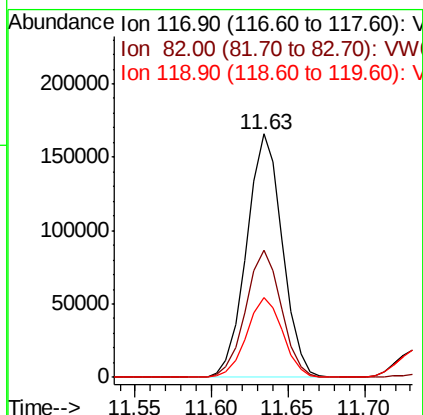
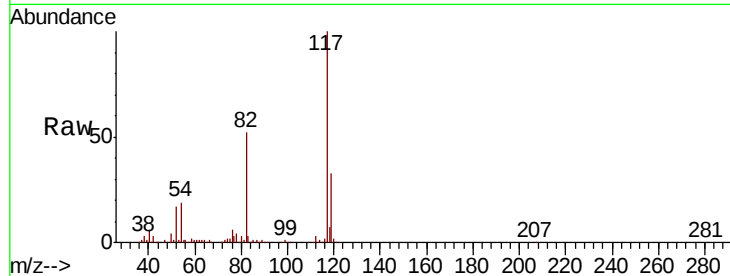




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

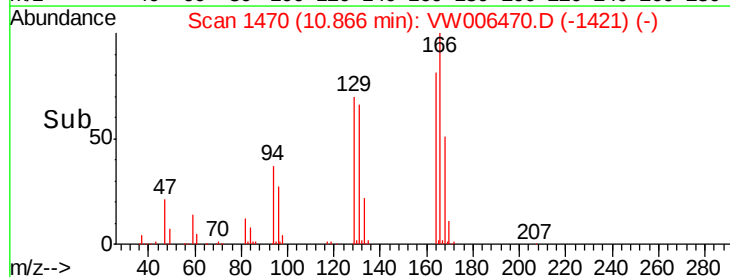
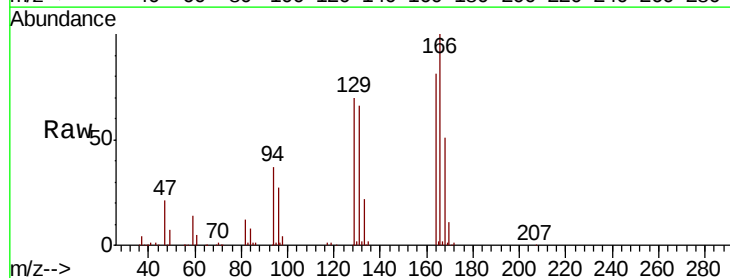
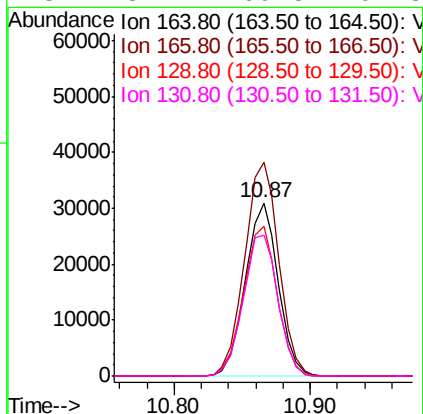
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD01

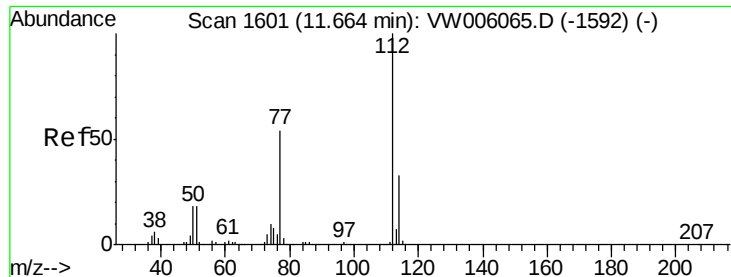
Tot Ion:117 Resp: 269690
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 24.964 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion:164 Resp: 52266
Ion Ratio Lower Upper
164 100
166 123.4 103.4 155.0
129 86.9 71.8 107.8
131 81.1 69.5 104.3

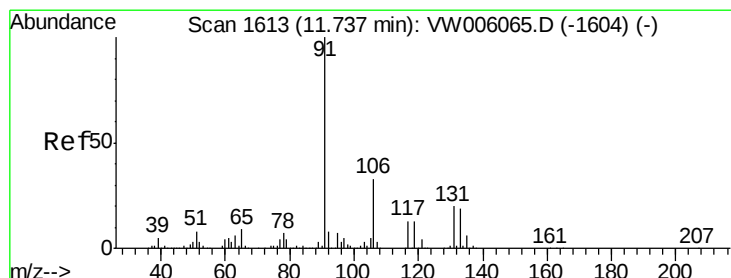
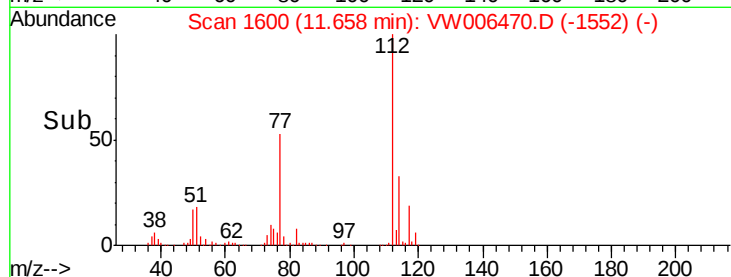
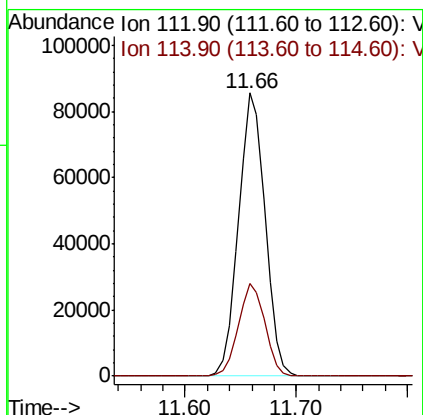
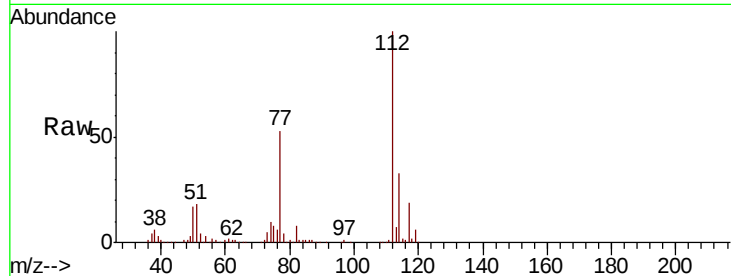




#65
Chlorobenzene
Concen: 24.510 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

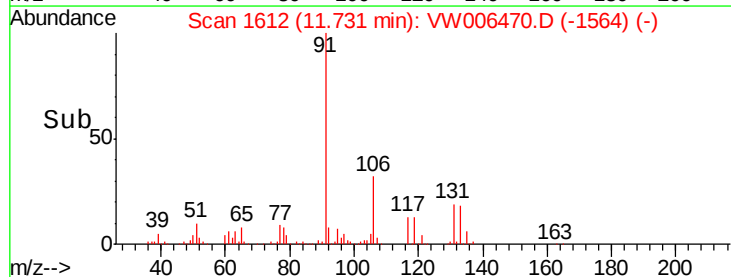
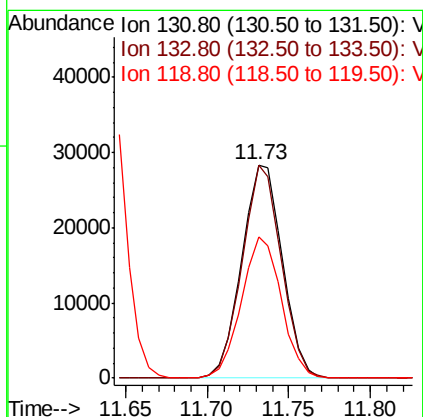
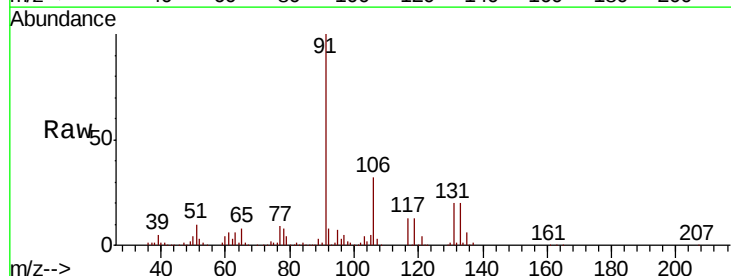
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

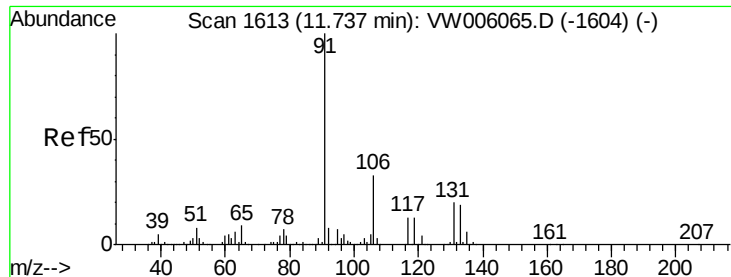
Tot Ion:112 Resp: 141504
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 23.931 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion:131 Resp: 49100
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.3
119 64.8 31.6 94.7

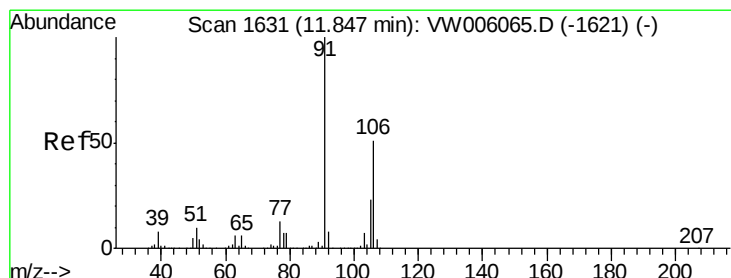
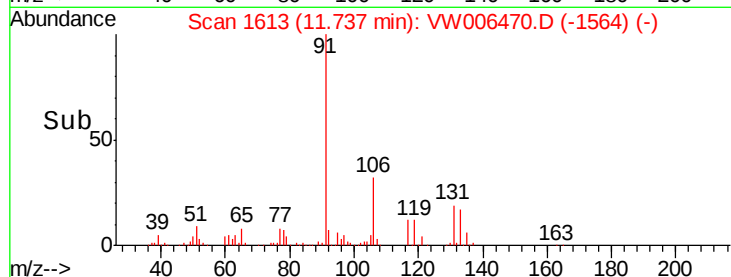
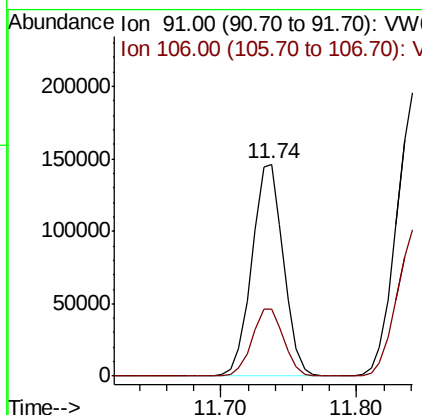
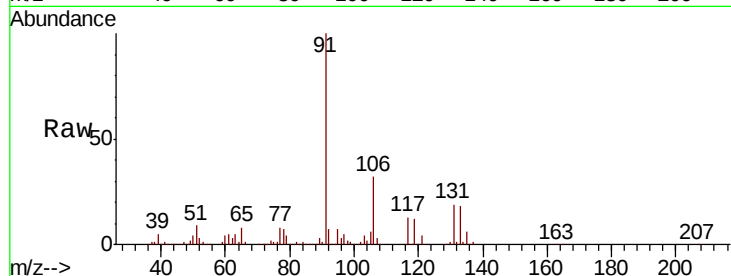




#67
Ethyl Benzene
Concen: 23.824 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

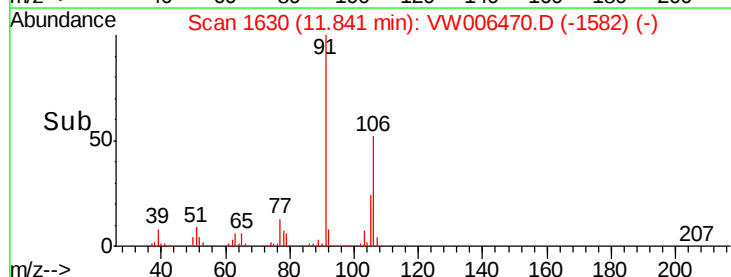
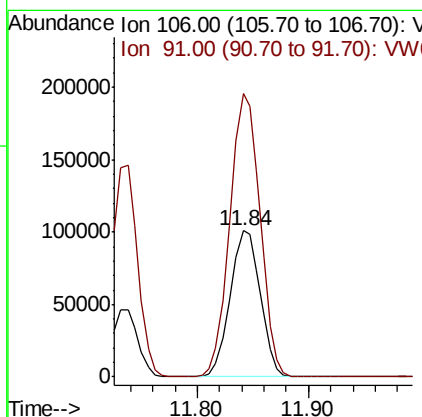
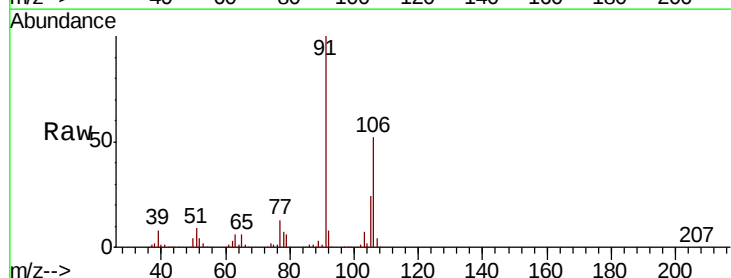
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

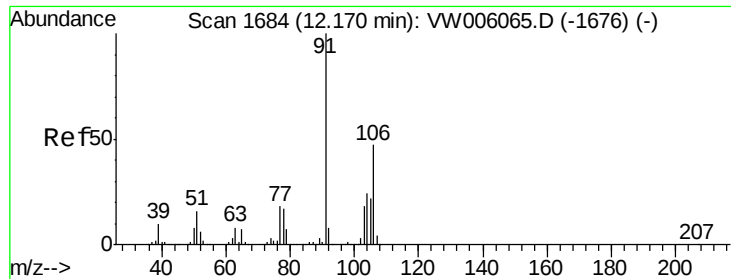
Tot Ion: 91 Resp: 238362
Ion Ratio Lower Upper
91 100
106 31.5 26.1 39.1



#68
m/p-Xylenes
Concen: 47.889 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion: 106 Resp: 189381
Ion Ratio Lower Upper
106 100
91 193.9 159.1 238.7

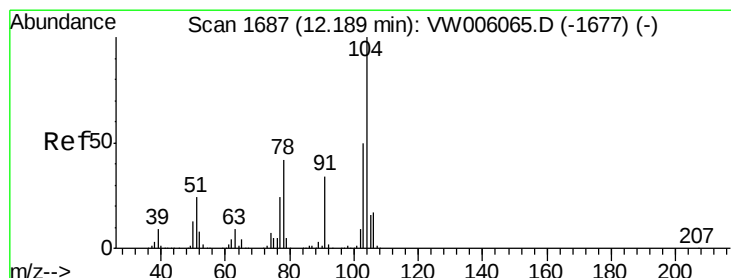
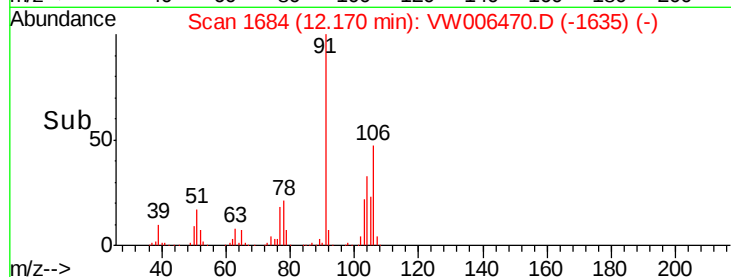
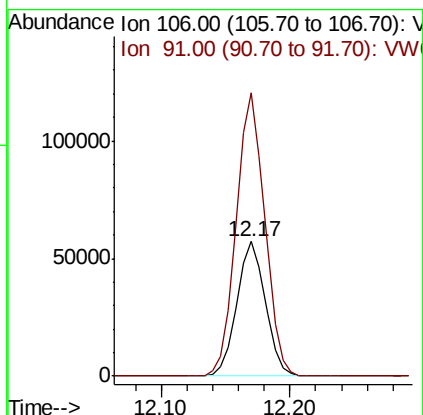
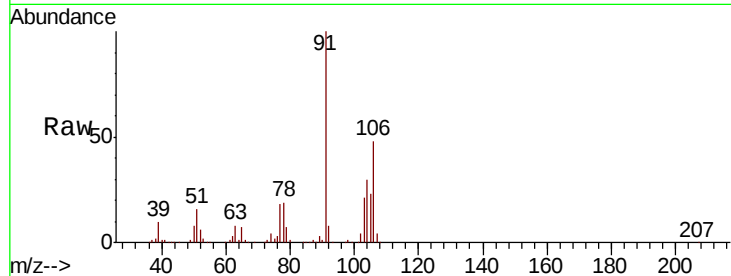




#69
o-Xylene
Concen: 23.349 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

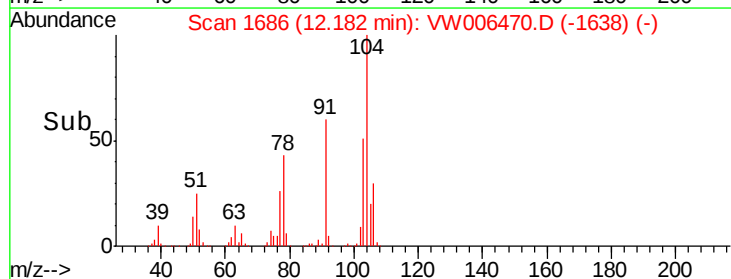
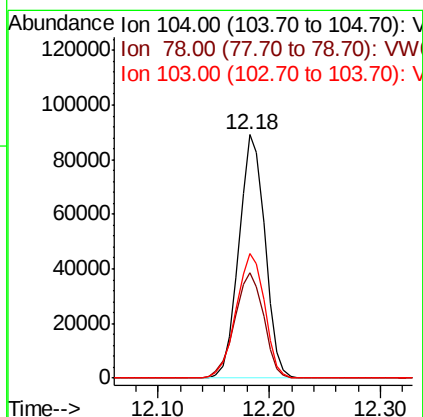
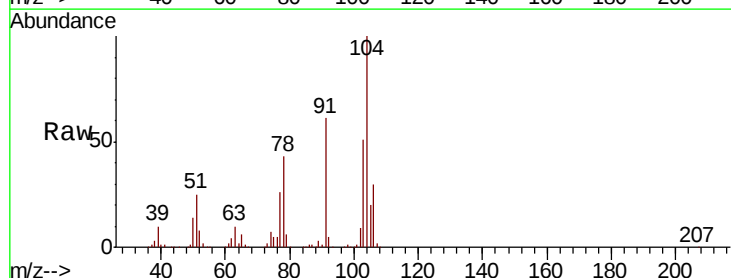
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD01

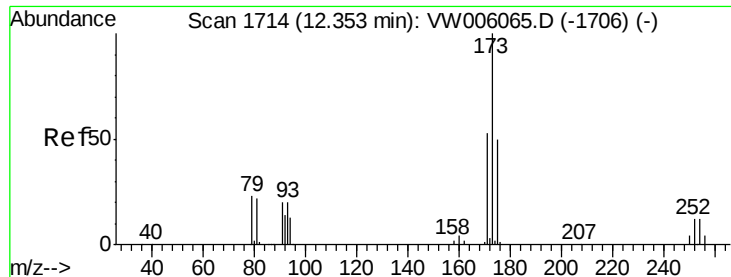
Tot Ion:106 Resp: 87998
Ion Ratio Lower Upper
106 100
91 210.5 105.4 316.1



#70
Styrene
Concen: 23.572 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion:104 Resp: 144466
Ion Ratio Lower Upper
104 100
78 48.0 39.1 58.7
103 56.2 44.3 66.5





#71

Bromoform

Concen: 22.274 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD01

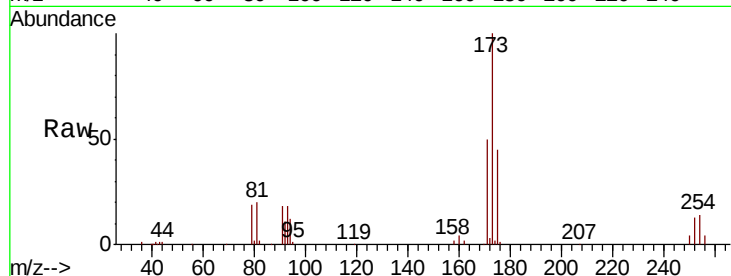
Tot Ion:173 Resp: 25490

Ion Ratio Lower Upper

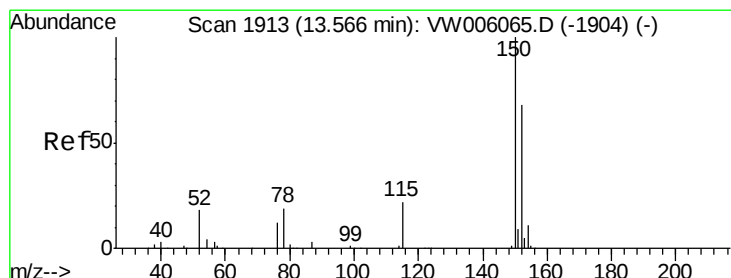
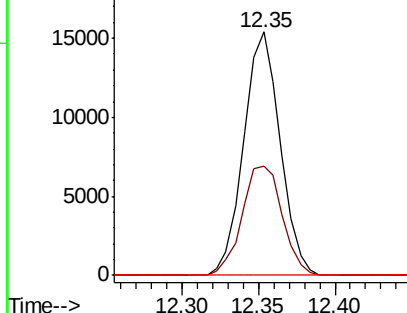
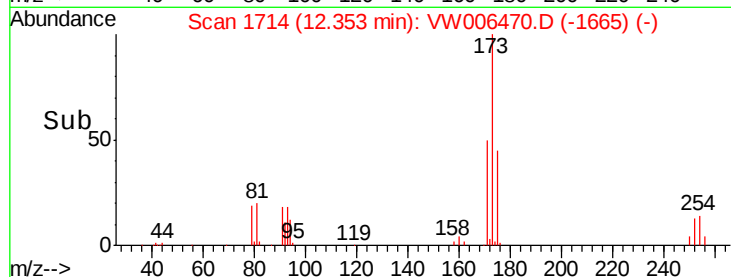
173 100

175 49.5 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

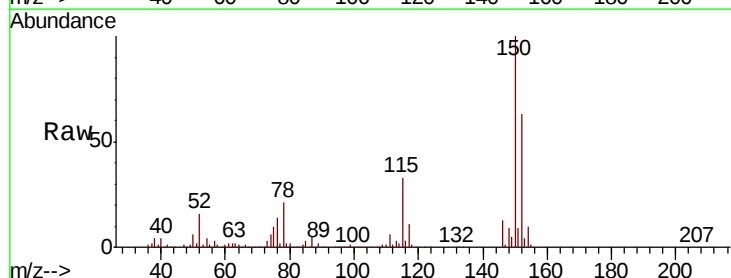
Tgt Ion:152 Resp: 153952

Ion Ratio Lower Upper

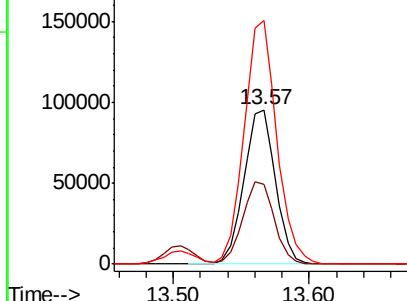
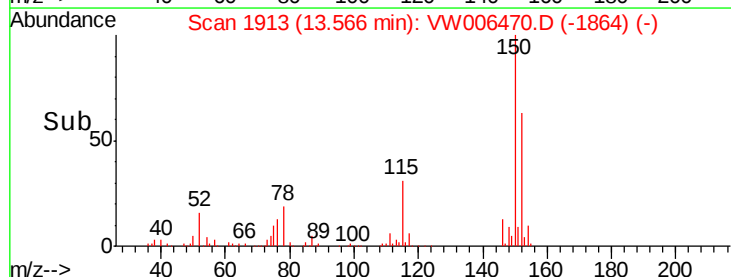
152 100

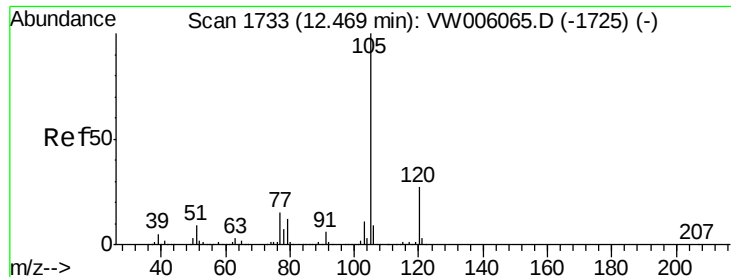
115 53.7 27.8 83.3

150 163.9 0.0 349.2



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





#73

Isopropylbenzene

Concen: 22.792 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

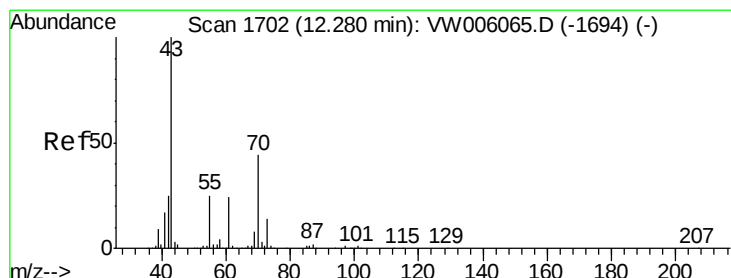
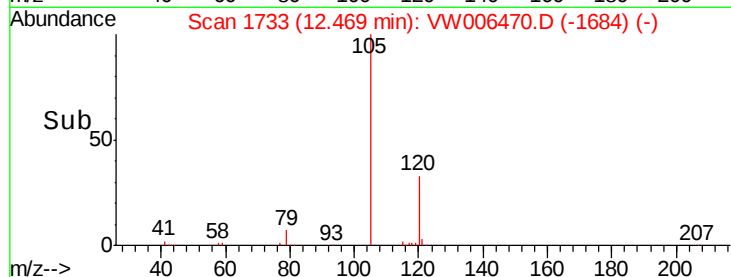
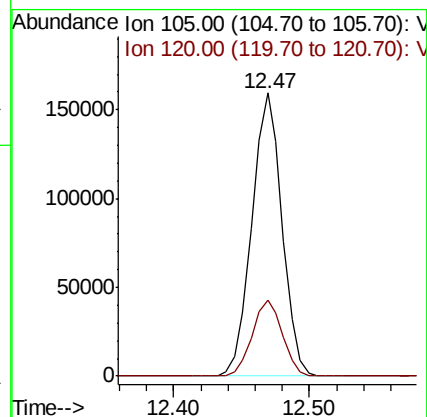
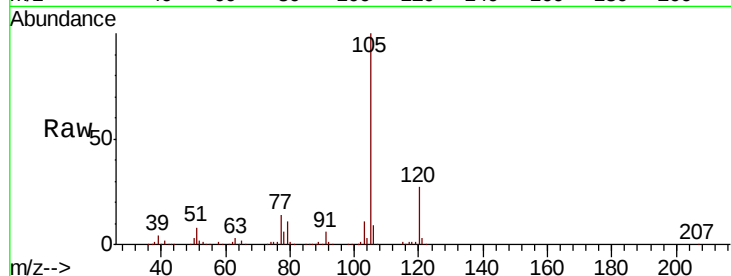
VW1031SBSD01

Tot Ion:105 Resp: 247894

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 19.803 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Tgt Ion: 43 Resp: 41834

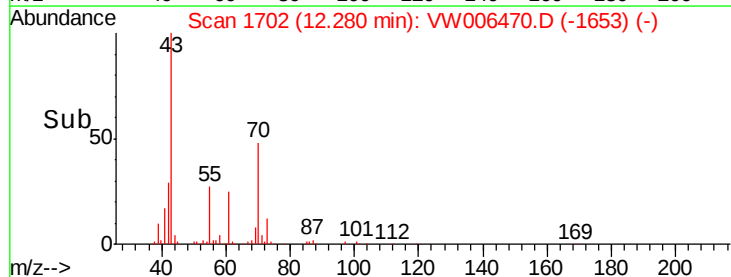
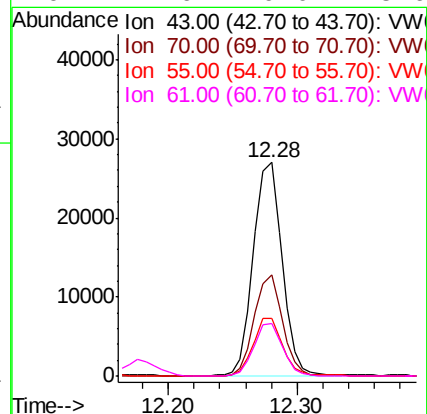
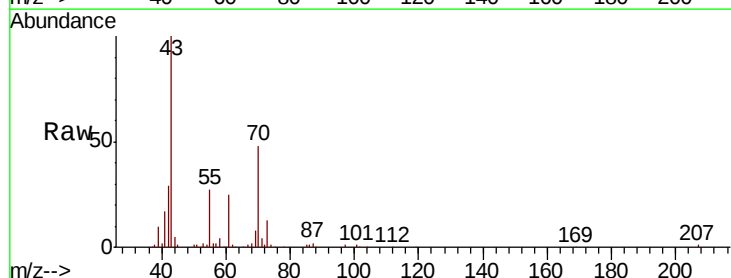
Ion Ratio Lower Upper

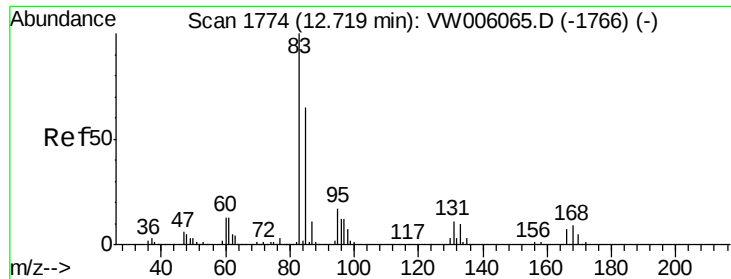
43 100

70 46.7 34.2 51.4

55 27.6 19.2 28.8

61 24.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.243 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD01

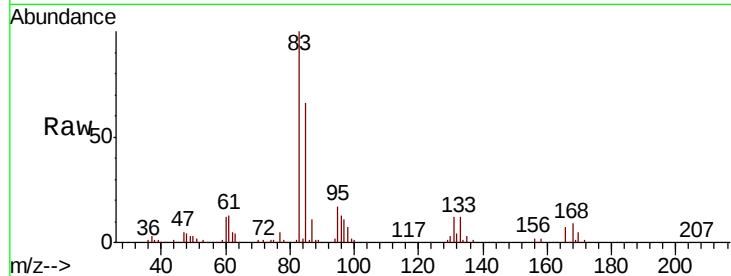
Tot Ion: 83 Resp: 40104

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.7

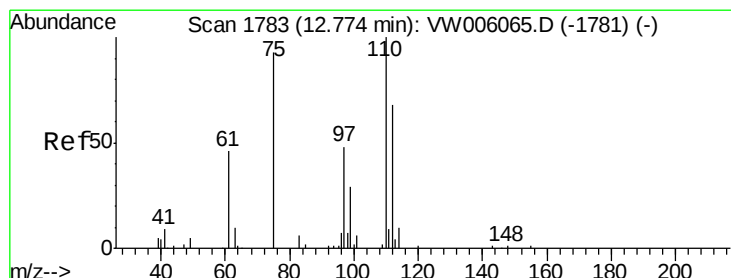
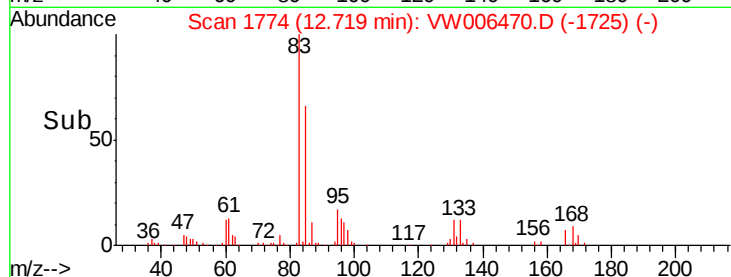
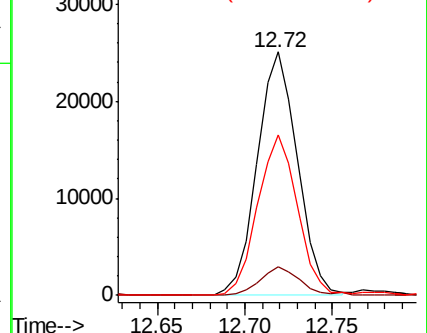
85 65.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.485 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006470.D

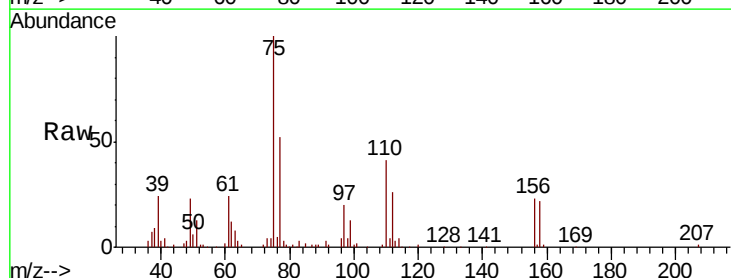
Acq: 30 Oct 2018 00:09

Tgt Ion: 75 Resp: 48782

Ion Ratio Lower Upper

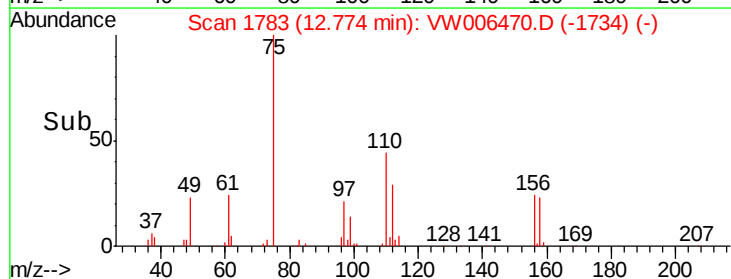
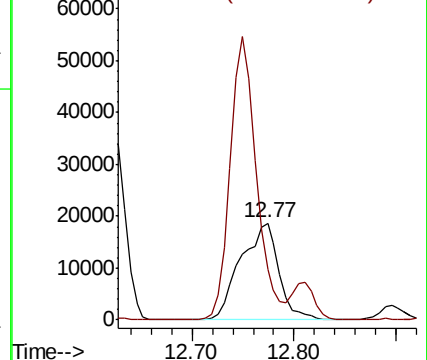
75 100

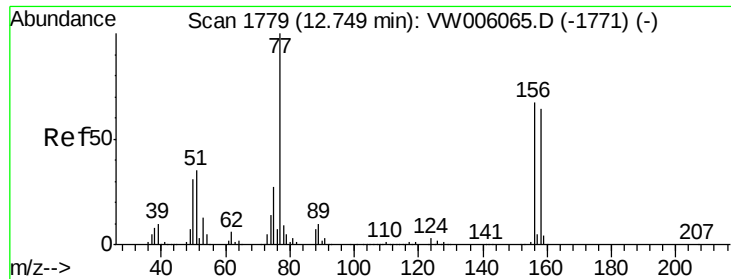
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 23.930 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBSD01

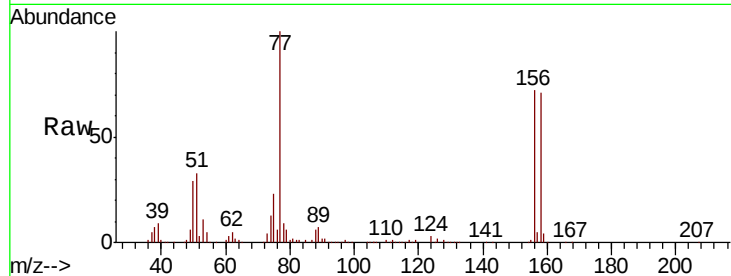
Tot Ion:156 Resp: 63748

Ion Ratio Lower Upper

156 100

77 153.7 79.1 237.4

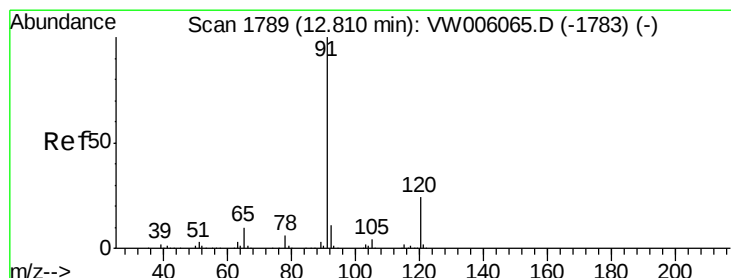
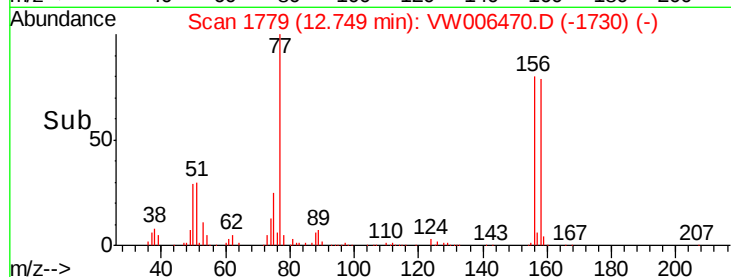
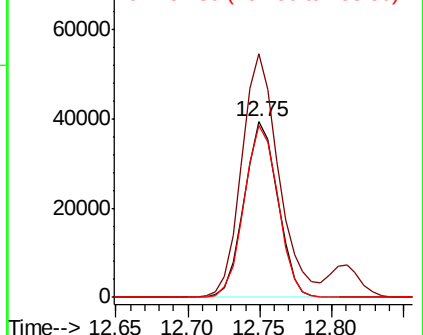
158 98.1 48.5 145.6



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: 22.917 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006470.D

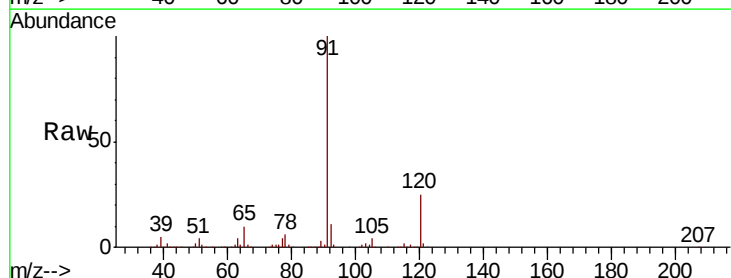
Acq: 30 Oct 2018 00:09

Tgt Ion: 91 Resp: 289987

Ion Ratio Lower Upper

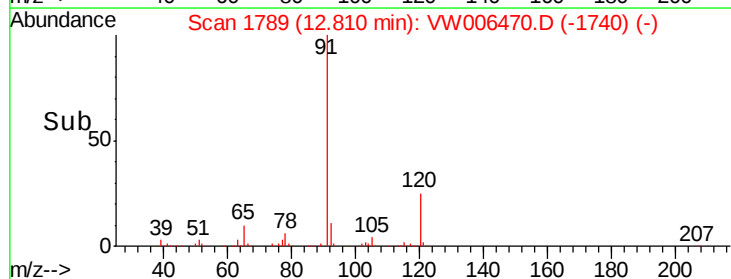
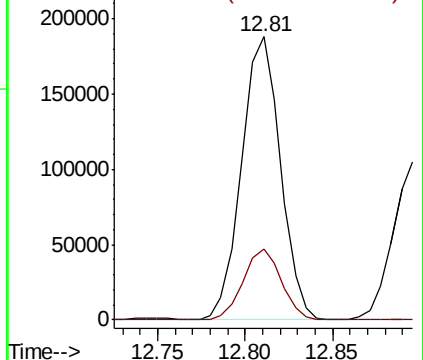
91 100

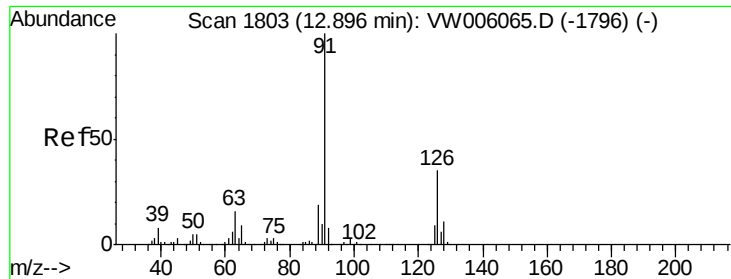
120 24.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.287 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

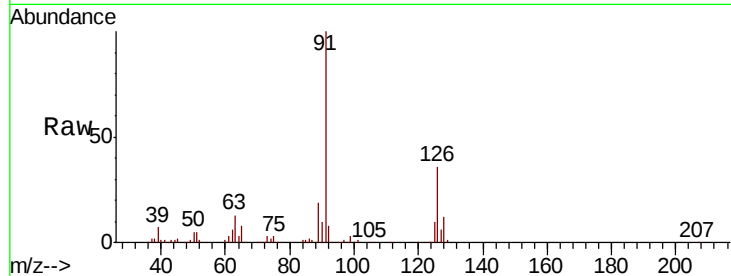
VW1031SBS01

Tot Ion: 91 Resp: 165560

Ion Ratio Lower Upper

91 100

126 36.6 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

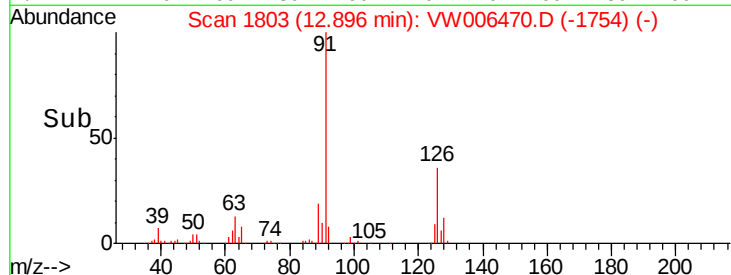
150000

100000

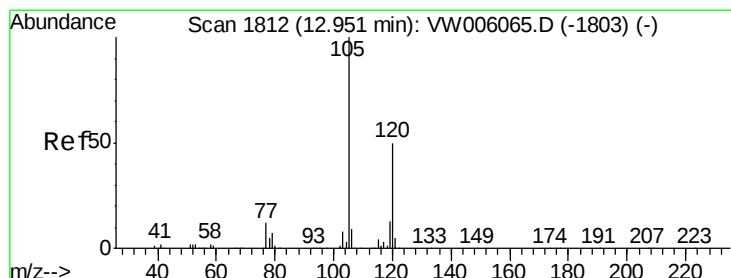
50000

0

12.85 12.90 12.95



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.913 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006470.D

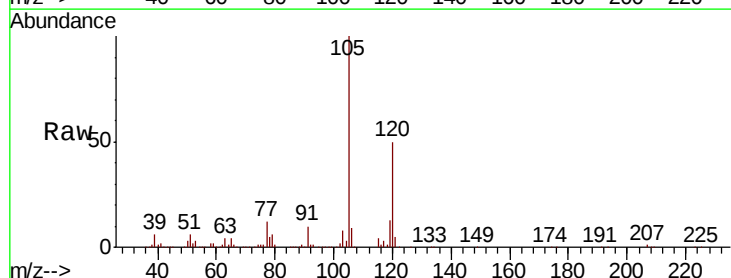
Acq: 30 Oct 2018 00:09

Tgt Ion:105 Resp: 210091

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

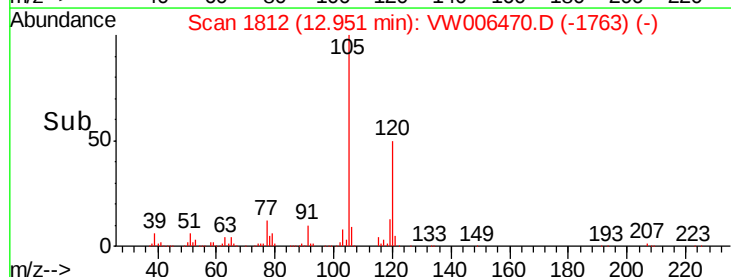
150000

100000

50000

0

12.90 12.95 13.00



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 19.692 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

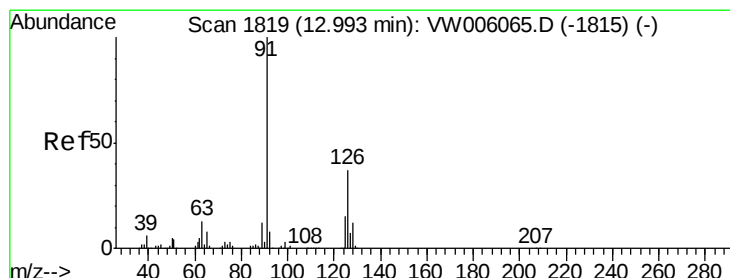
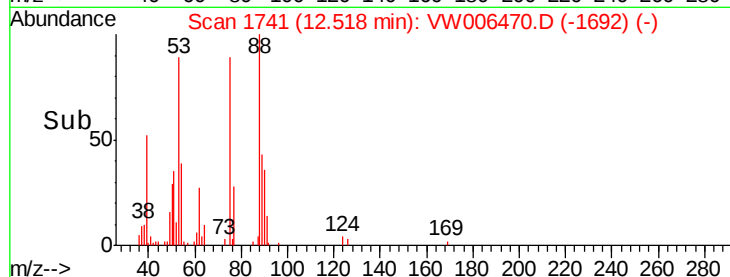
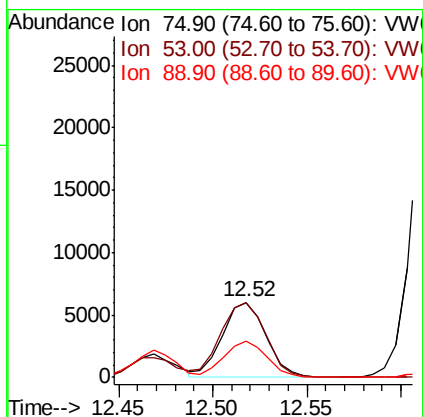
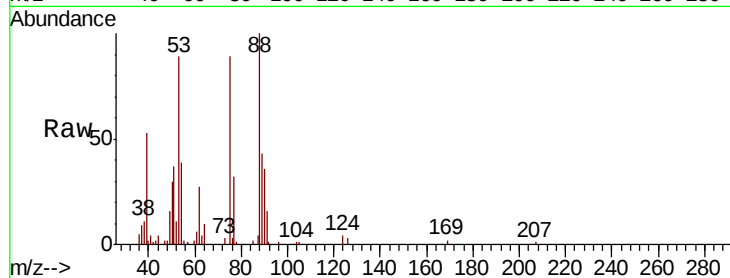
Tot Ion: 75 Resp: 9687

Ion Ratio Lower Upper

75 100

53 102.4 79.8 119.6

89 46.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 23.501 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006470.D

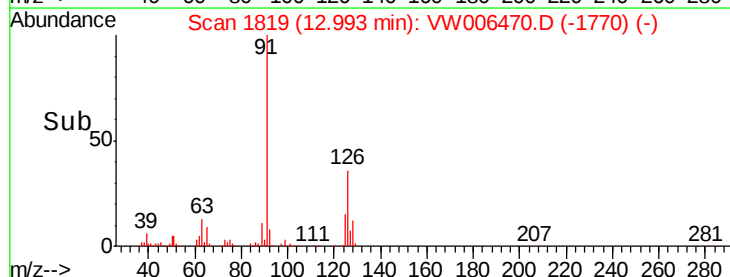
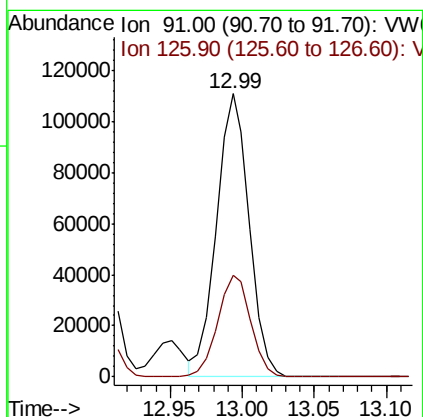
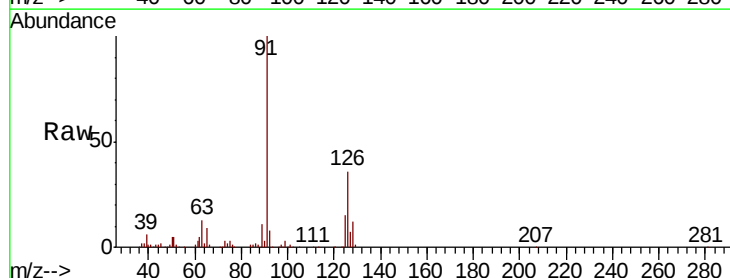
Acq: 30 Oct 2018 00:09

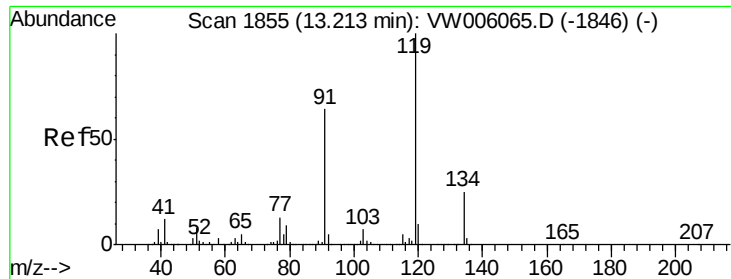
Tgt Ion: 91 Resp: 175022

Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.3

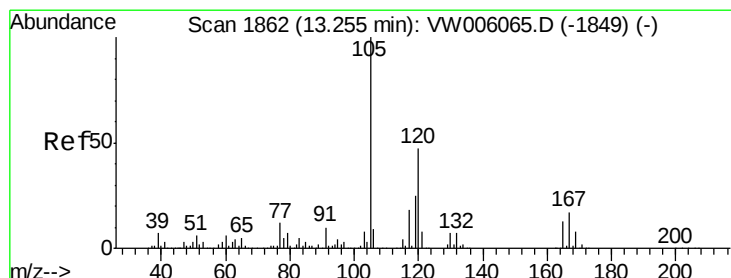
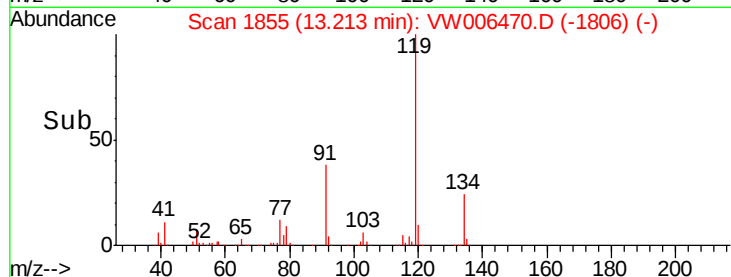
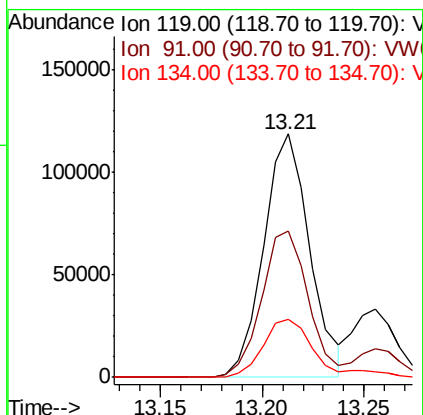
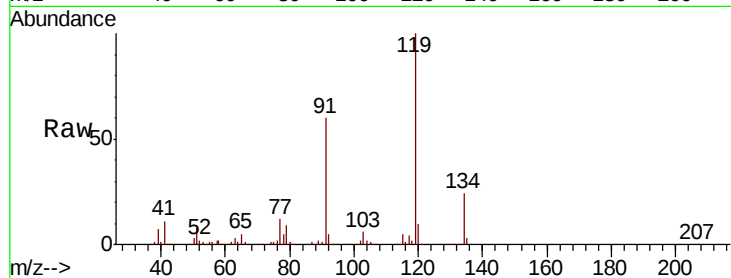




#83
tert-Butylbenzene
Concen: 22.768 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

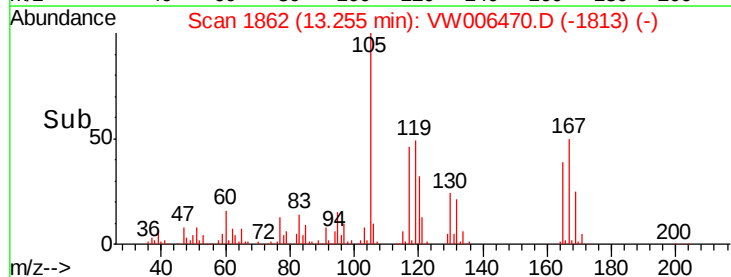
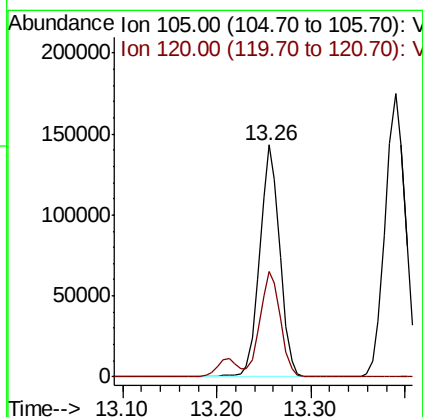
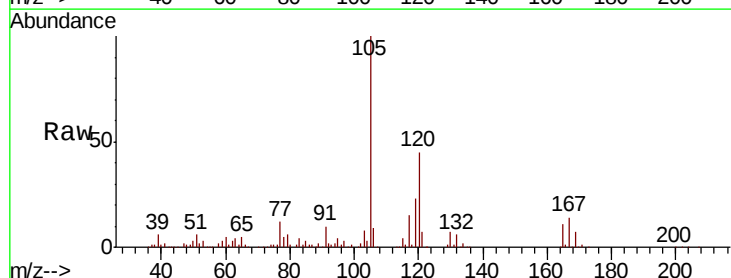
Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

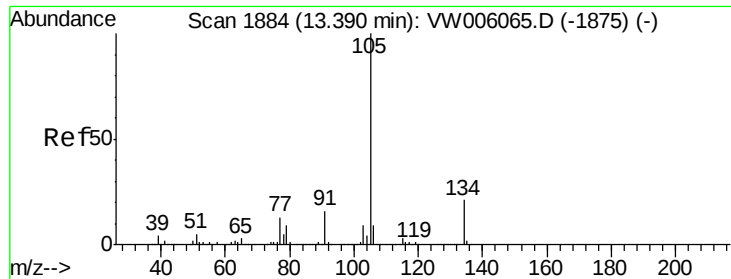
Tot Ion:119 Resp: 186775
Ion Ratio Lower Upper
119 100
91 61.0 32.3 96.9
134 27.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 23.275 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion:105 Resp: 215951
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.3





#85

sec-Butylbenzene

Concen: 22.707 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

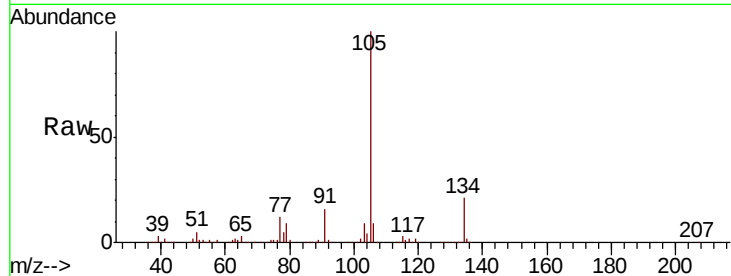
VW1031SBS01

Tot Ion:105 Resp: 263161

Ion Ratio Lower Upper

105 100

134 21.4 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

200000

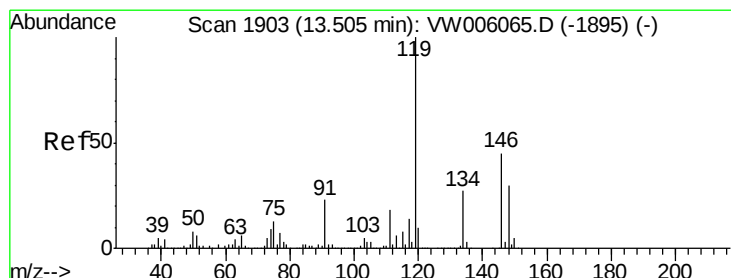
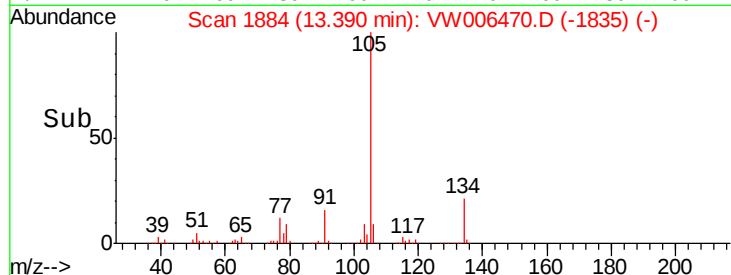
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.734 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

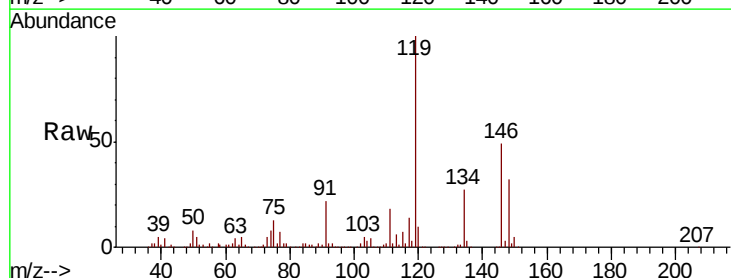
Tgt Ion:119 Resp: 238311

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

200000

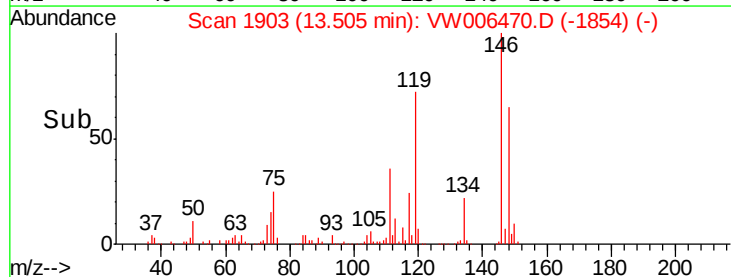
150000

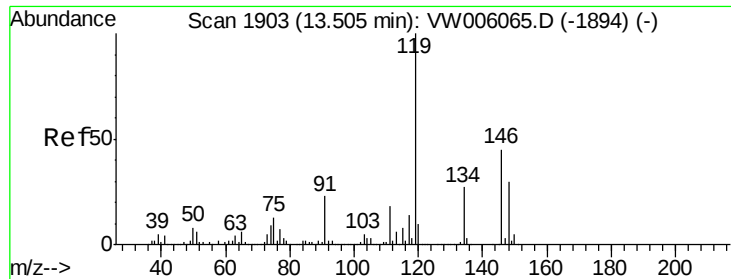
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 24.105 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

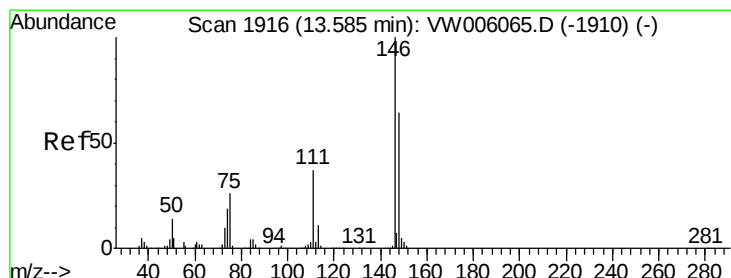
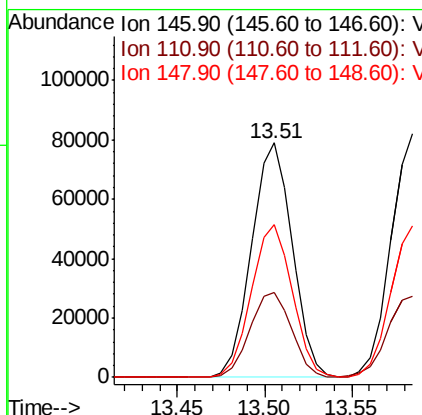
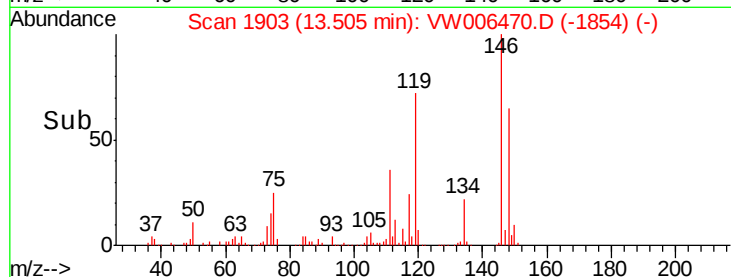
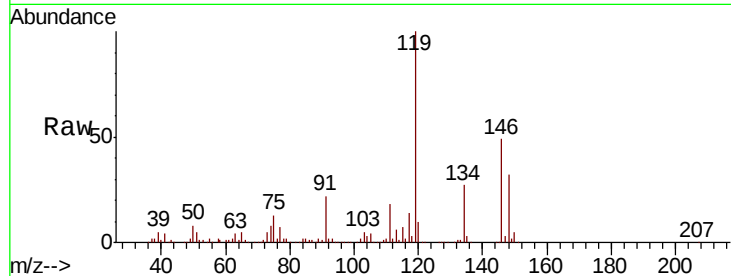
Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBS01

Tot Ion:146 Resp: 127800

Ion	Ratio	Lower	Upper
146	100		
111	37.0	19.1	57.5
148	65.3	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 24.190 ug/l

RT: 13.58 min Scan# 1916

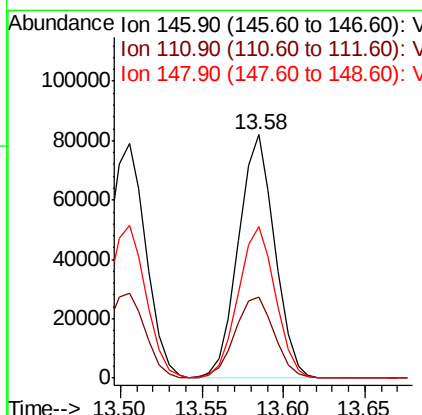
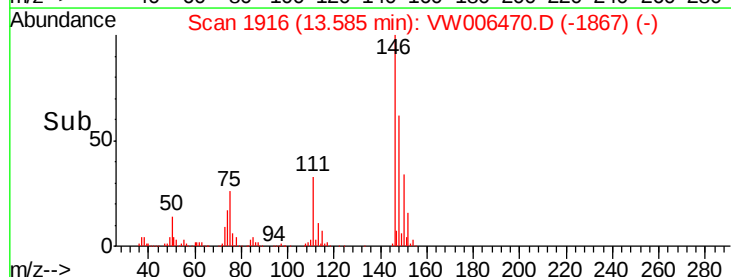
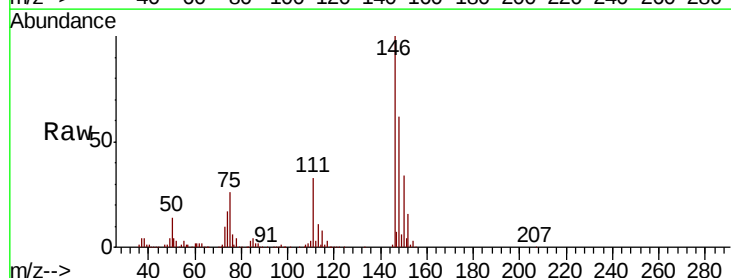
Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Tgt Ion:146 Resp: 127690

Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	56.0
148	63.5	32.1	96.5





#89

n-Butylbenzene

Concen: 22.372 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

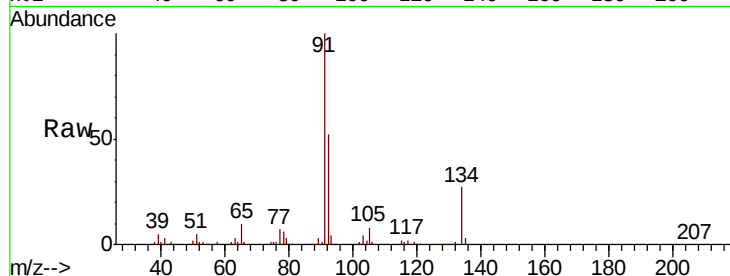
Tot Ion: 91 Resp: 214472

Ion Ratio Lower Upper

91 100

92 52.2 26.6 79.7

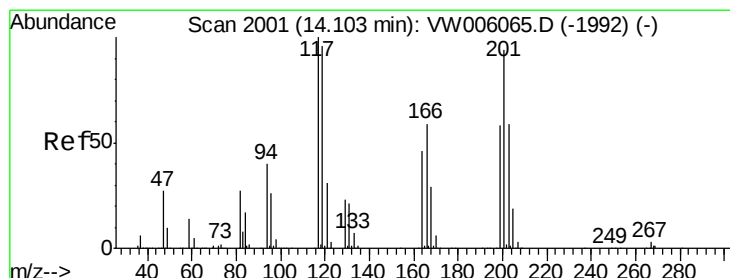
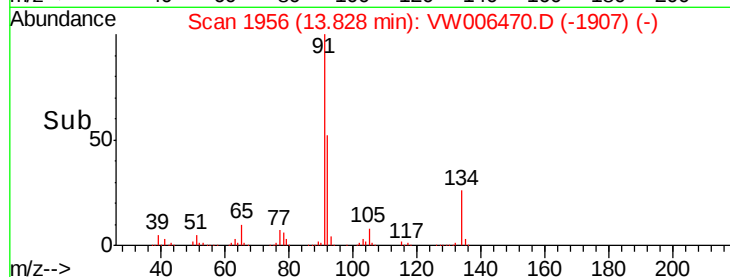
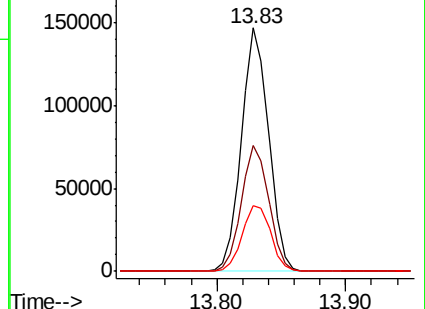
134 28.3 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.806 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006470.D

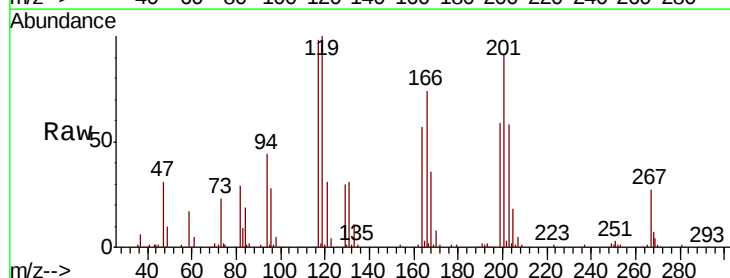
Acq: 30 Oct 2018 00:09

Tgt Ion: 117 Resp: 38719

Ion Ratio Lower Upper

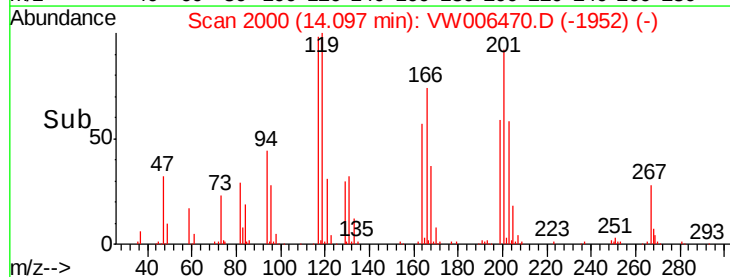
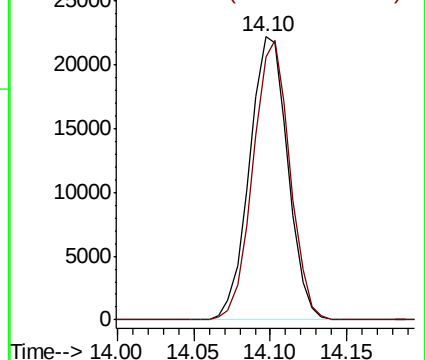
117 100

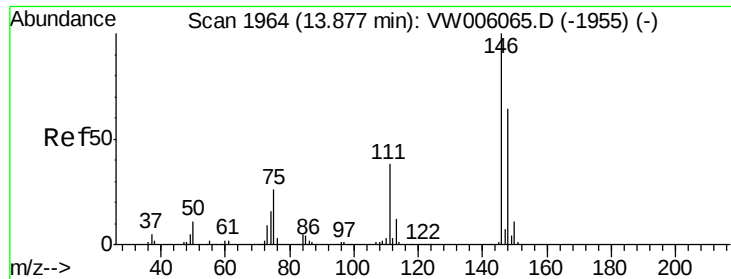
201 94.6 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 24.155 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VW1031SBS01

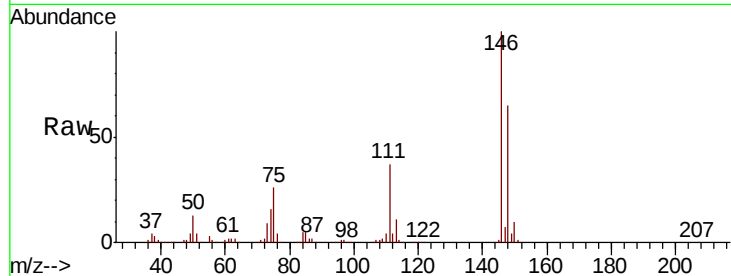
Tot Ion:146 Resp: 114231

Ion Ratio Lower Upper

146 100

111 37.8 19.6 58.7

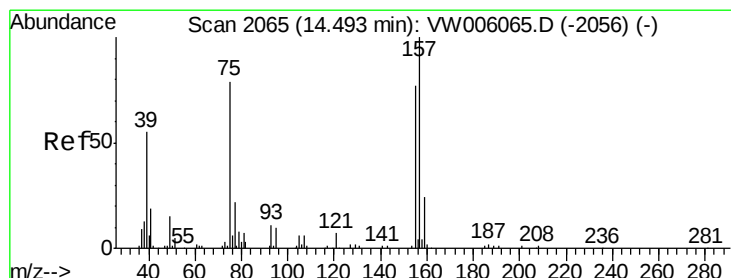
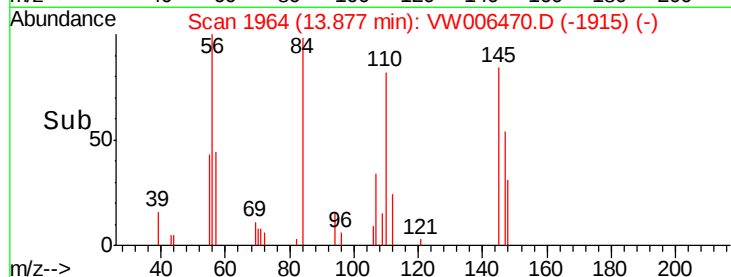
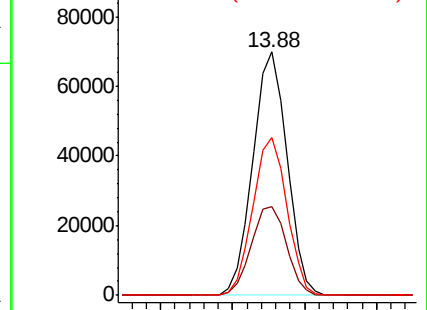
148 64.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.779 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006470.D

Acq: 30 Oct 2018 00:09

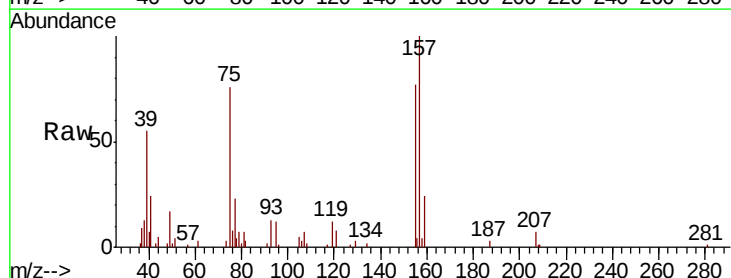
Tgt Ion: 75 Resp: 5858

Ion Ratio Lower Upper

75 100

155 103.0 46.5 139.5

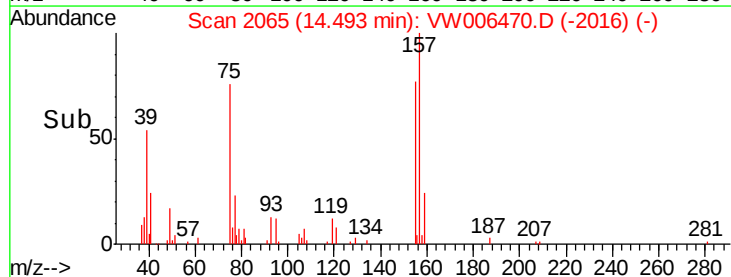
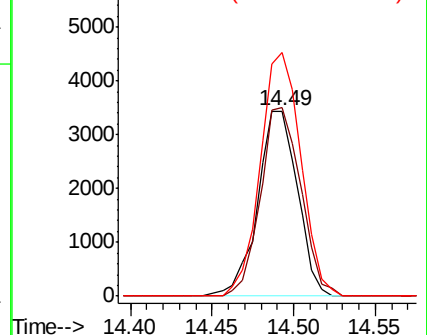
157 133.6 59.8 179.4

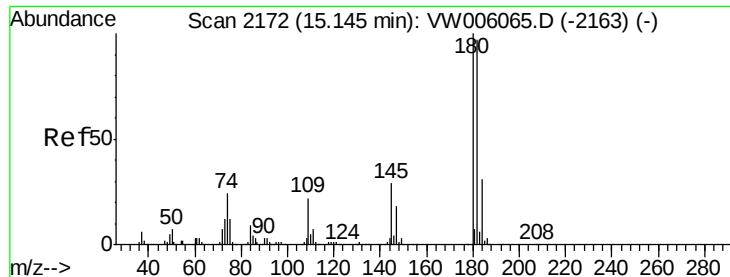


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

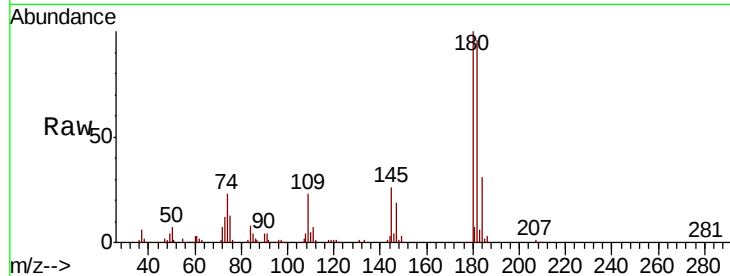




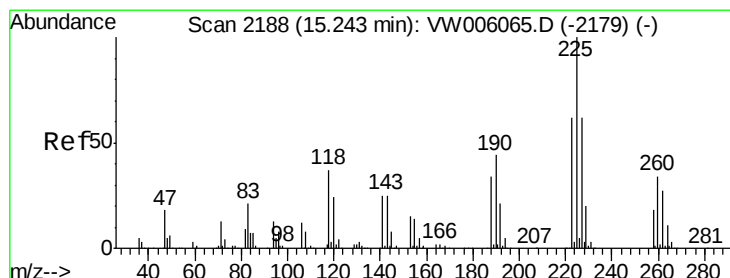
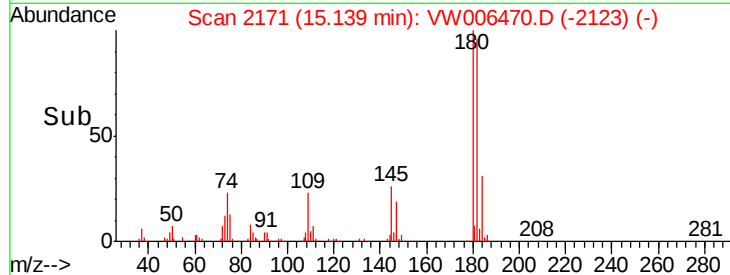
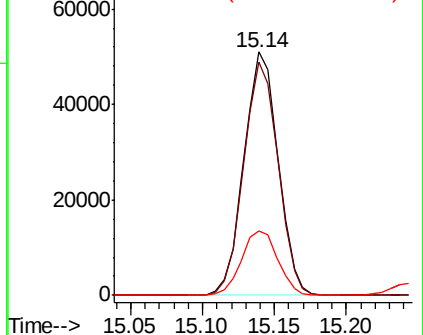
#93
 1,2,4-Trichlorobenzene
 Concen: 23.053 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1031SBS01

Tot Ion:180 Resp: 83883
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.9 143.6
 145 27.9 14.2 42.8

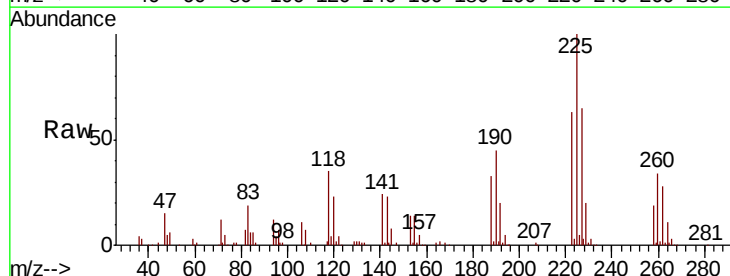


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

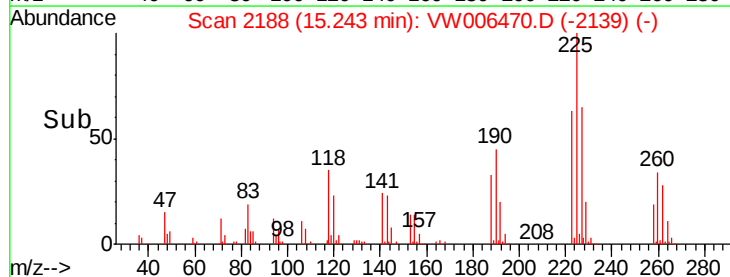
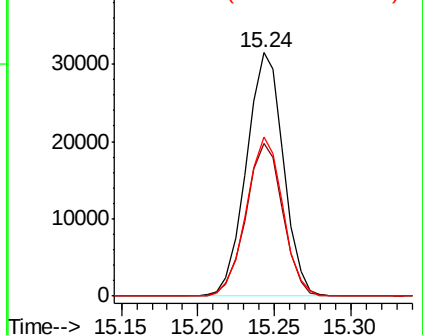


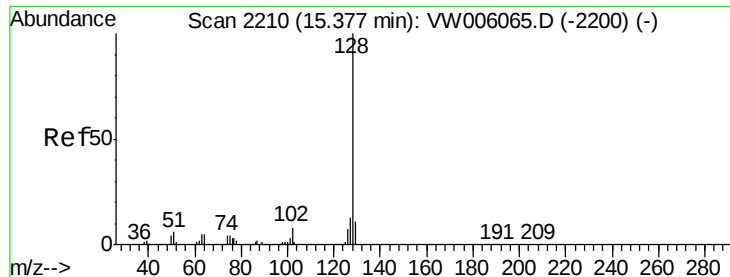
#94
 Hexachlorobutadiene
 Concen: 23.168 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006470.D
 Acq: 30 Oct 2018 00:09

Tgt Ion:225 Resp: 52959
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.5
 227 64.4 32.4 97.0



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

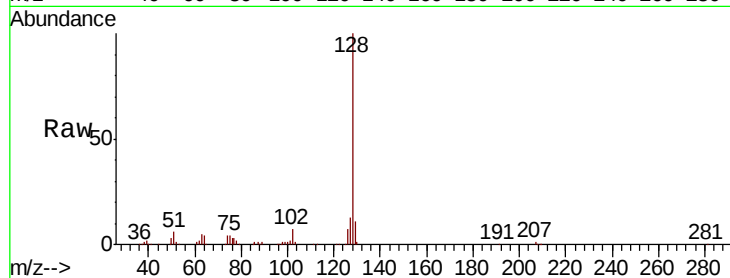




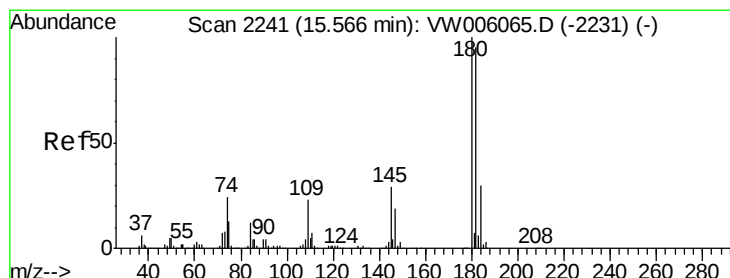
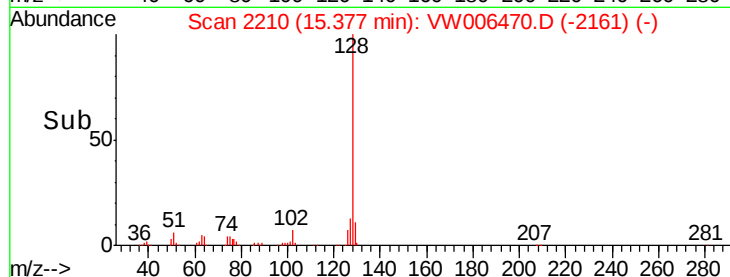
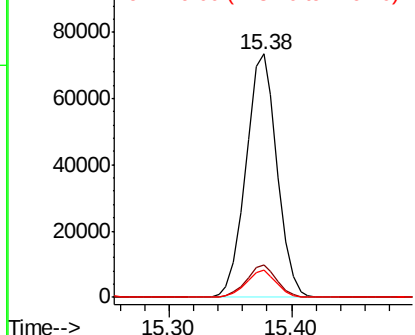
#95
Naphthalene
Concen: 21.373 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VW1031SBSD01

Tot Ion:128 Resp: 129373
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.7 13.1

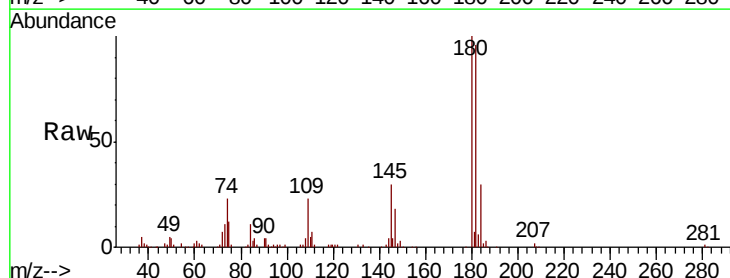


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 23.381 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006470.D
Acq: 30 Oct 2018 00:09

Tgt Ion:180 Resp: 73588
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 29.7 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

