

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101818\
 Data File : VW006173.D
 Acq On : 18 Oct 2018 14:09
 Operator : VA/AP
 Sample : VW1018SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

Quant Time: Oct 19 06:01:04 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	269736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	375071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	191139	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	111653	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.88	113	112648	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.33	98	428021	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	161400	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	21694	16.253	ug/l	92
3) Chloromethane	2.21	50	29446	17.138	ug/l	97
4) Vinyl Chloride	2.37	62	46211	18.833	ug/l	98
5) Bromomethane	2.79	94	41545	18.615	ug/l	98
6) Chloroethane	2.93	64	35539	20.210	ug/l	99
7) Trichlorofluoromethane	3.26	101	44981	19.678	ug/l	99
8) Diethyl Ether	3.68	74	22362	18.407	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49162	20.522	ug/l	99
10) Methyl Iodide	4.27	142	80589	20.212	ug/l	100
11) Tert butyl alcohol	5.24	59	13922	92.568	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	45550	20.211	ug/l	95
13) Acrolein	3.90	56	15681	107.751	ug/l	99
14) Allyl chloride	4.67	41	61408	19.056	ug/l	98
15) Acrylonitrile	5.38	53	46054	105.693	ug/l	98
16) Acetone	4.15	43	51565	114.910	ug/l	97
17) Carbon Disulfide	4.38	76	120960	17.783	ug/l	99
18) Methyl Acetate	4.68	43	21892	19.453	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	71238	20.753	ug/l	94
20) Methylene Chloride	4.91	84	54268	22.024	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	50770	20.182	ug/l	97
22) Diisopropyl ether	6.32	45	127882	20.082	ug/l	98
23) Vinyl Acetate	6.26	43	372744	99.183	ug/l	99
24) 1,1-Dichloroethane	6.22	63	83634	20.353	ug/l	99
25) 2-Butanone	7.18	43	66828	110.620	ug/l	98
26) 2,2-Dichloropropane	7.16	77	58450	20.168	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57184	20.599	ug/l	99
28) Bromochloromethane	7.51	49	28210	17.783	ug/l	97
29) Tetrahydrofuran	7.54	42	38363	103.309	ug/l	100
30) Chloroform	7.68	83	91135	20.357	ug/l	98
31) Cyclohexane	7.96	56	80852	19.758	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	80773	20.001	ug/l	98
36) 1,1-Dichloropropene	8.09	75	73641	21.301	ug/l	100
37) Ethyl Acetate	7.26	43	27362	21.303	ug/l	99
38) Carbon Tetrachloride	8.07	117	76839	20.275	ug/l	98

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 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	95678	20.820	ug/l	99
40) Benzene	8.33	78	197278	20.803	ug/l	96
41) Methacrylonitrile	7.49	41	16110	20.806	ug/l	97
42) 1,2-Dichloroethane	8.40	62	59853	21.482	ug/l	100
43) Isopropyl Acetate	8.43	43	53650	20.428	ug/l	100
44) Trichloroethene	9.10	130	61590	21.169	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47010	20.716	ug/l	100
46) Dibromomethane	9.46	93	27324	21.126	ug/l	99
47) Bromodichloromethane	9.65	83	61964	19.761	ug/l	99
48) Methyl methacrylate	9.44	41	26126	20.987	ug/l	97
49) 1,4-Dioxane	9.48	88	8558	429.817	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	139074	105.692	ug/l	99
52) Toluene	10.39	92	134647	21.179	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	60109	19.240	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	70327	19.614	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38398	21.215	ug/l	99
56) Ethyl methacrylate	10.65	69	46829	21.105	ug/l	96
57) 1,3-Dichloropropane	10.93	76	63265	21.116	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	93577	110.372	ug/l	99
59) 2-Hexanone	10.97	43	105223	112.023	ug/l	99
60) Dibromochloromethane	11.13	129	44099	19.561	ug/l	99
61) 1,2-Dibromoethane	11.24	107	38602	21.346	ug/l	99
64) Tetrachloroethene	10.87	164	56327	21.166	ug/l	97
65) Chlorobenzene	11.66	112	155826	21.234	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	53275	20.428	ug/l	99
67) Ethyl Benzene	11.74	91	271339	21.335	ug/l	98
68) m/p-Xylenes	11.85	106	212686	42.310	ug/l	99
69) o-Xylene	12.17	106	100645	21.008	ug/l	100
70) Styrene	12.19	104	162018	20.797	ug/l	100
71) Bromoform	12.35	173	27123	18.646	ug/l #	99
73) Isopropylbenzene	12.47	105	286584	21.223	ug/l	100
74) N-amyl acetate	12.28	43	53226	20.294	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	44056	21.451	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56414	38.642	ug/l #	100
77) Bromobenzene	12.75	156	68857	20.819	ug/l	98
78) n-propylbenzene	12.81	91	334226	21.275	ug/l	100
79) 2-Chlorotoluene	12.90	91	186249	21.100	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	239786	21.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10642	17.425	ug/l	90
82) 4-Chlorotoluene	12.99	91	194599	21.046	ug/l	99
83) tert-Butylbenzene	13.21	119	215435	21.152	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	243658	21.152	ug/l	100
85) sec-Butylbenzene	13.39	105	307943	21.402	ug/l	100
86) p-Isopropyltoluene	13.51	119	276383	21.236	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	139520	21.196	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138255	21.095	ug/l	99
89) n-Butylbenzene	13.83	91	257215	21.611	ug/l	99
90) Hexachloroethane	14.10	117	40834	18.523	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	123998	21.119	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7135	19.404	ug/l	96

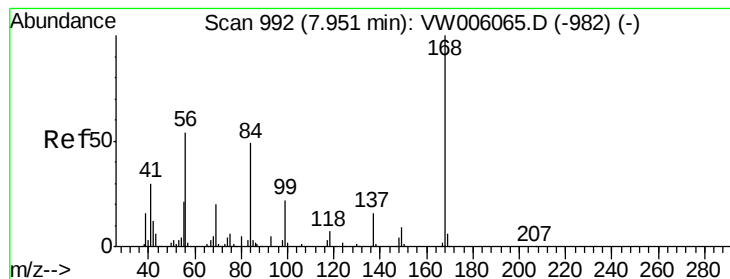
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	97115	21.496	ug/l	99
94) Hexachlorobutadiene	15.24	225	61706	21.743	ug/l	99
95) Naphthalene	15.38	128	161314	21.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	84325	21.580	ug/l	99

(#) = 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: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

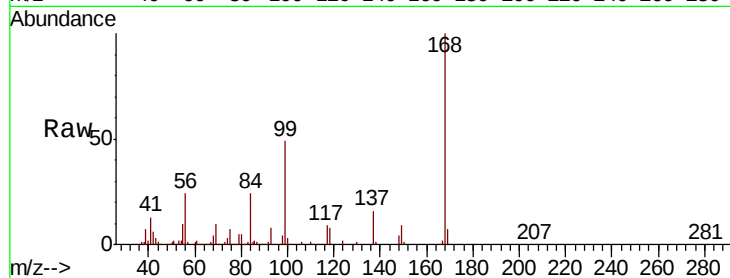
VW1018SBSD01

Tot Ion:168 Resp: 269736

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

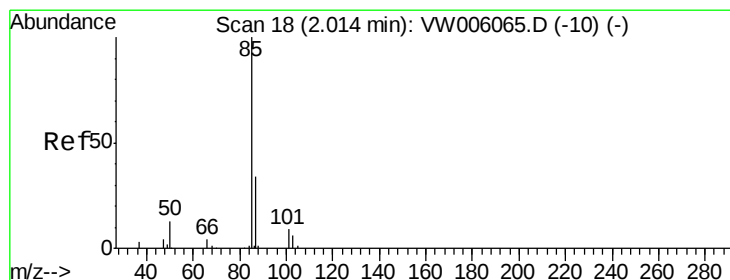
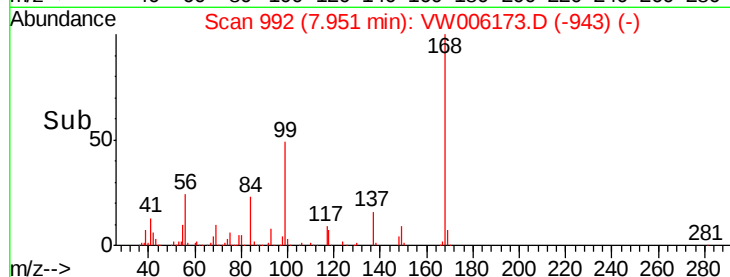
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.253 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006173.D

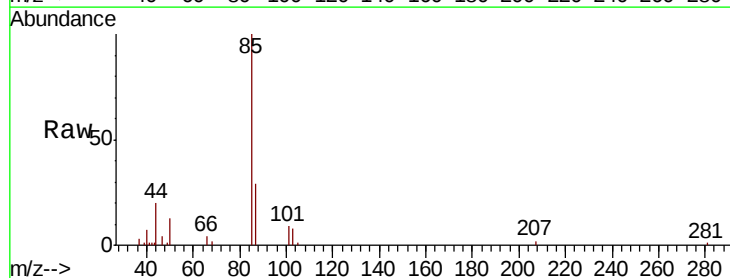
Acq: 18 Oct 2018 14:09

Tgt Ion: 85 Resp: 21694

Ion Ratio Lower Upper

85 100

87 29.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

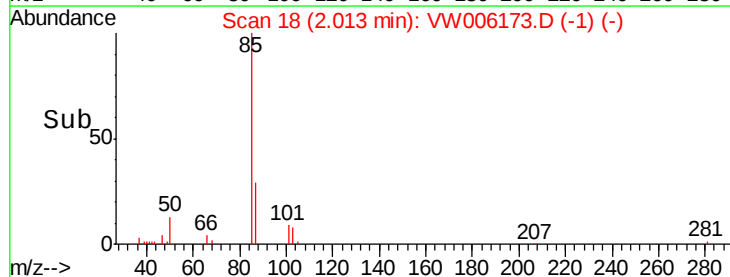
6000

4000

2000

0

Time-->





#3

Chloromethane

Concen: 17.138 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

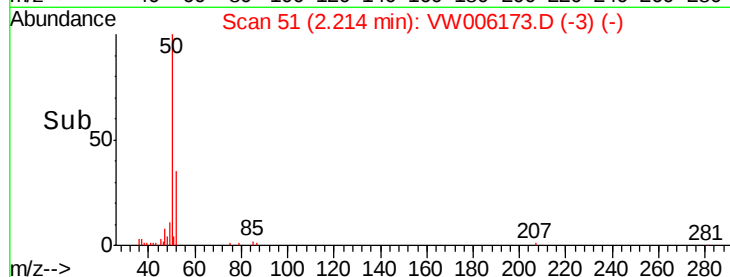
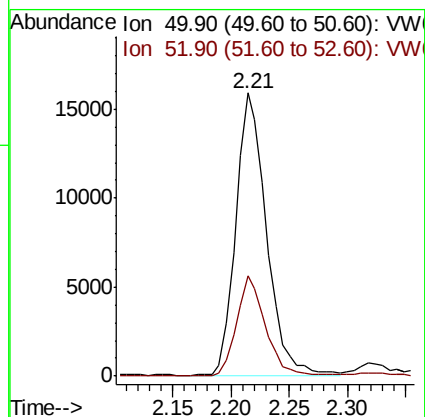
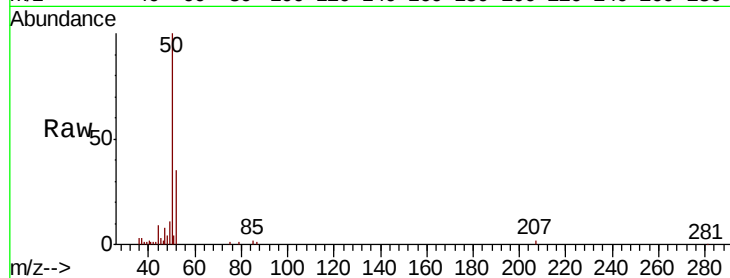
VW1018SBS01

Tot Ion: 50 Resp: 29446

Ion Ratio Lower Upper

50 100

52 35.3 26.8 40.2



#4

Vinyl Chloride

Concen: 18.833 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006173.D

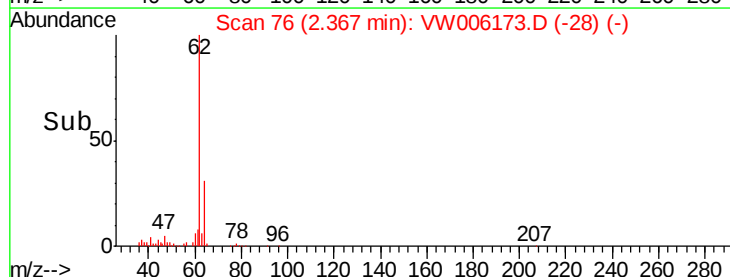
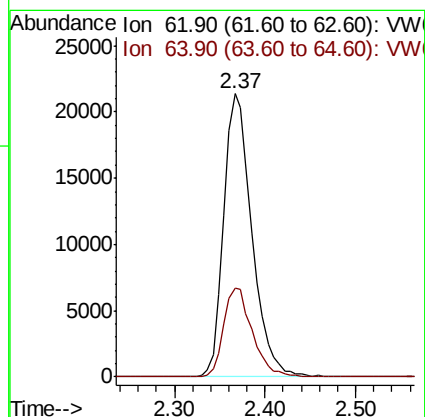
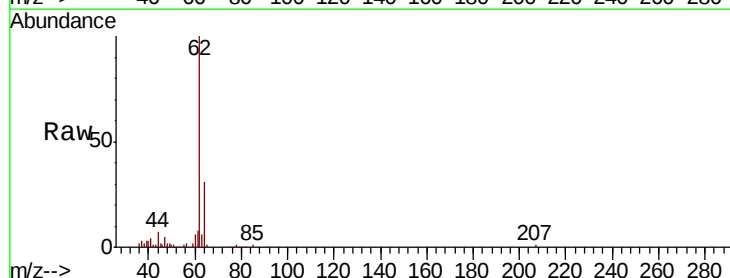
Acq: 18 Oct 2018 14:09

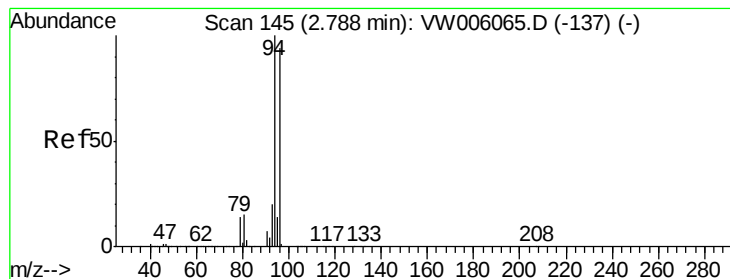
Tgt Ion: 62 Resp: 46211

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 18.615 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

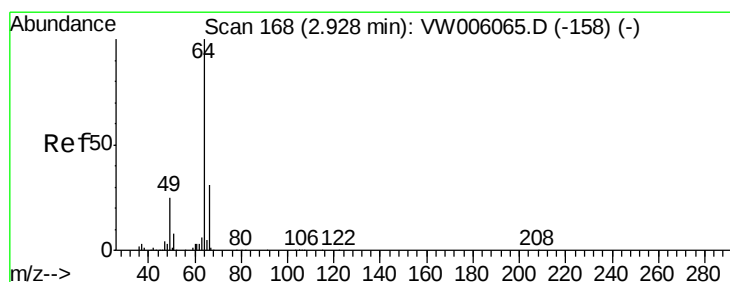
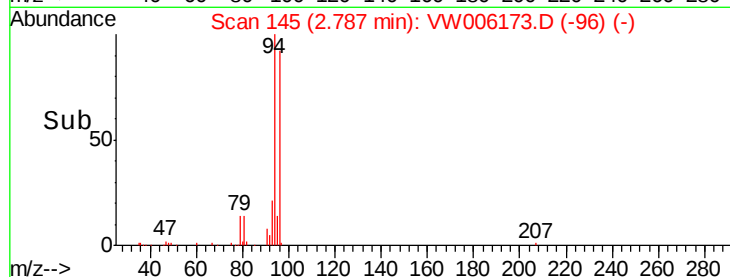
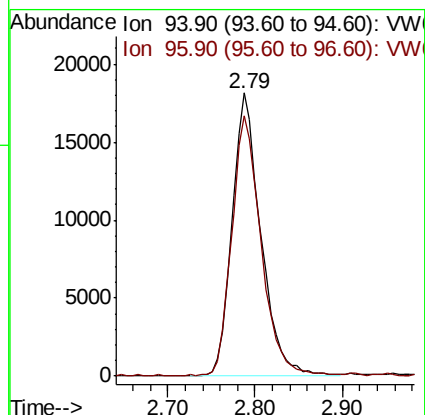
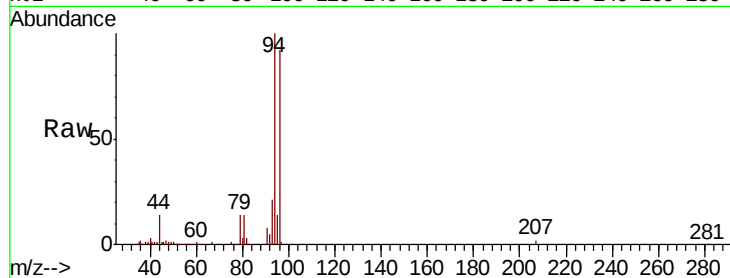
VW1018SBSD01

Tot Ion: 94 Resp: 41545

Ion Ratio Lower Upper

94 100

96 91.5 74.9 112.3



#6

Chloroethane

Concen: 20.210 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006173.D

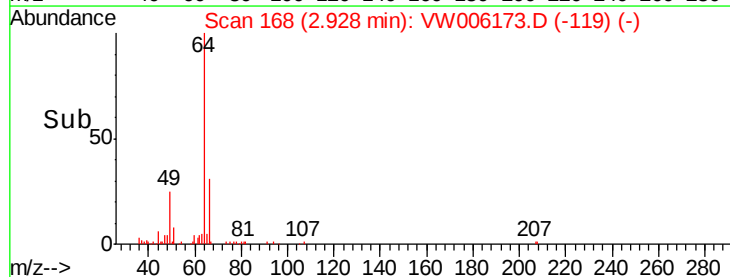
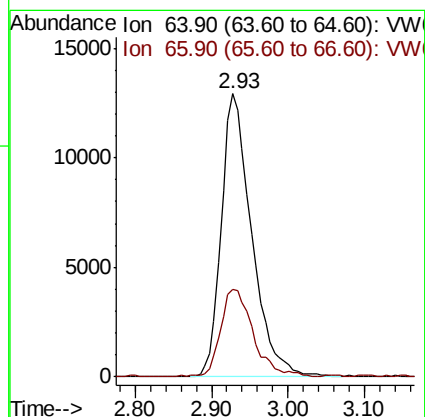
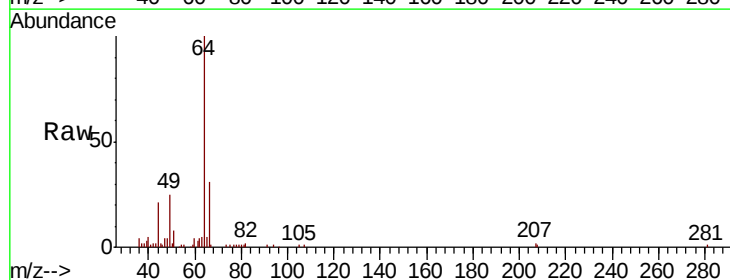
Acq: 18 Oct 2018 14:09

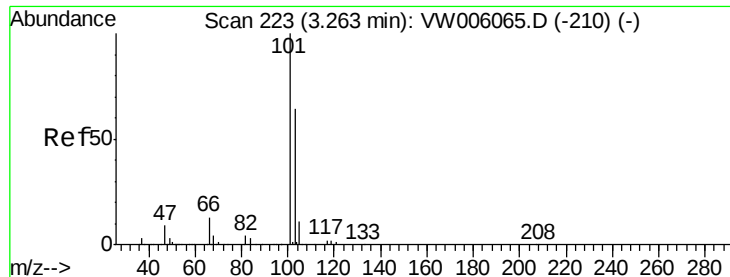
Tgt Ion: 64 Resp: 35539

Ion Ratio Lower Upper

64 100

66 30.3 24.9 37.3



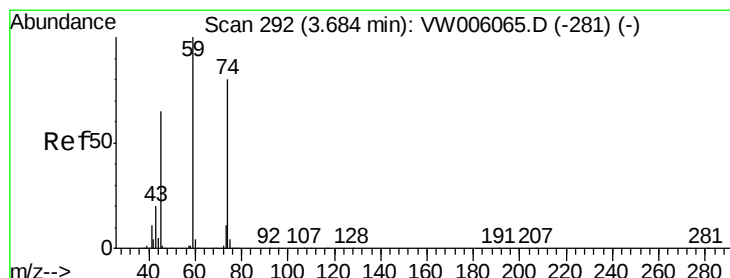
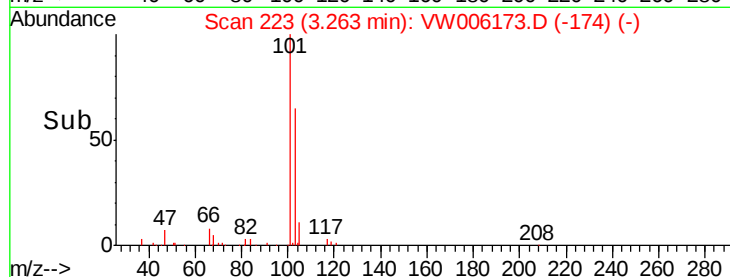
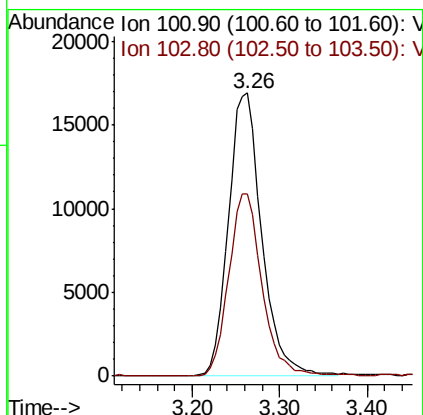
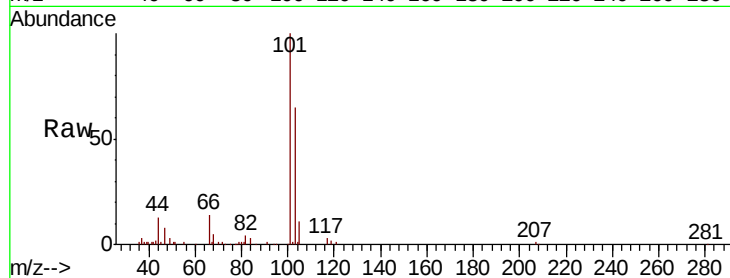


#7

Trichlorofluoromethane
 Concen: 19.678 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Instrument :
 MSVOA_W
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 VW1018SBS01

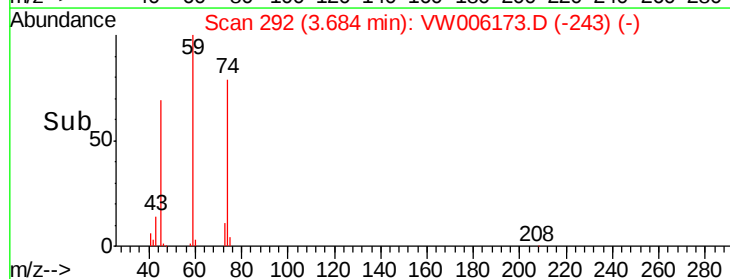
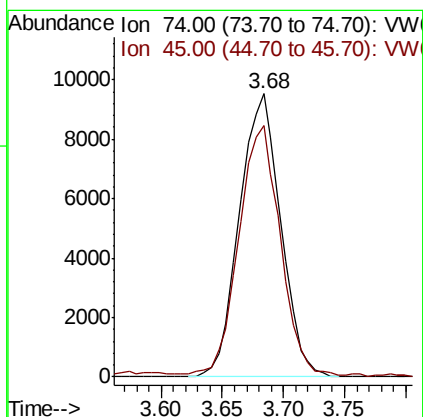
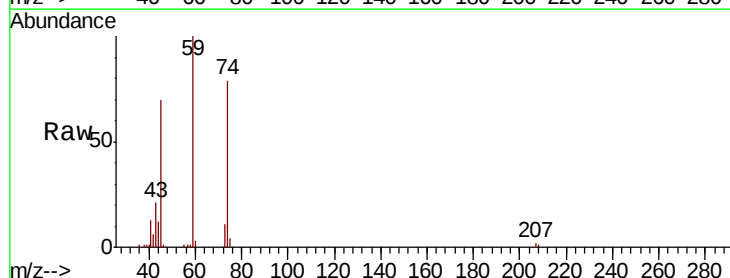
Tot Ion:101 Resp: 44981
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.2 76.8



#8

Diethyl Ether
 Concen: 18.407 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Tgt Ion: 74 Resp: 22362
 Ion Ratio Lower Upper
 74 100
 45 87.8 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.522 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

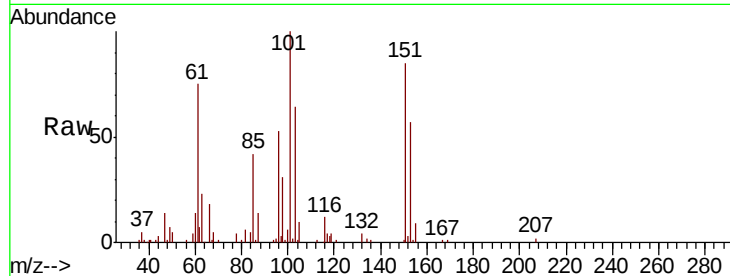
Tot Ion:101 Resp: 49162

Ion Ratio Lower Upper

101 100

85 42.3 34.9 52.3

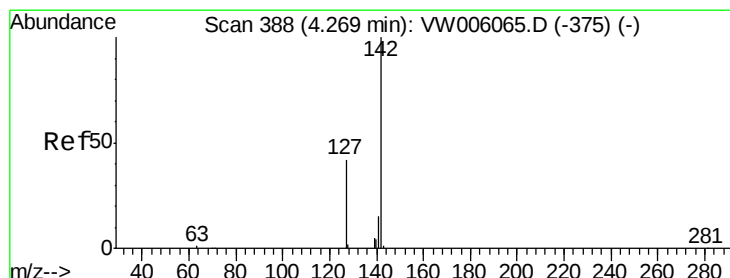
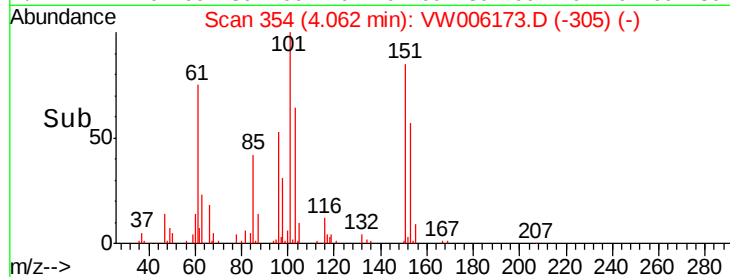
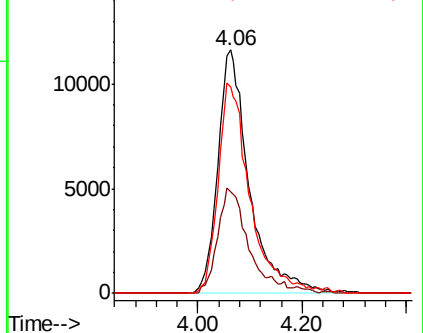
151 87.2 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.212 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

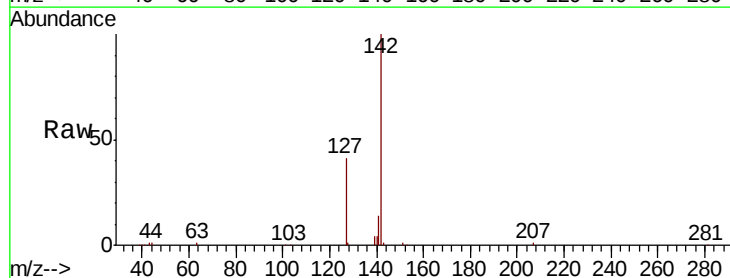
Tgt Ion:142 Resp: 80589

Ion Ratio Lower Upper

142 100

127 41.9 33.6 50.4

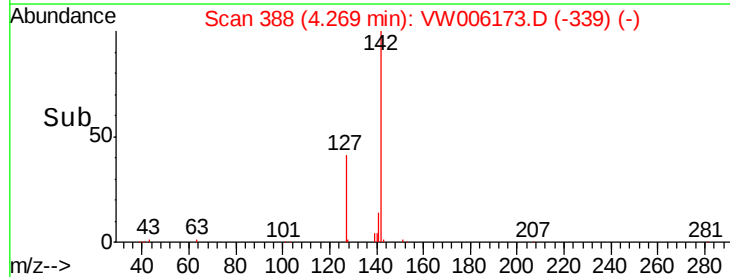
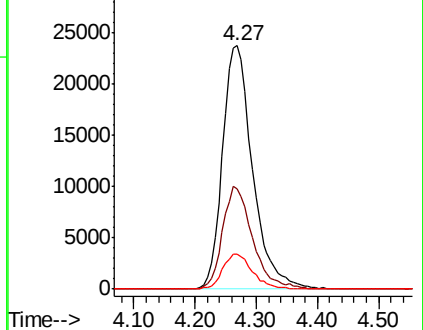
141 14.3 11.6 17.4

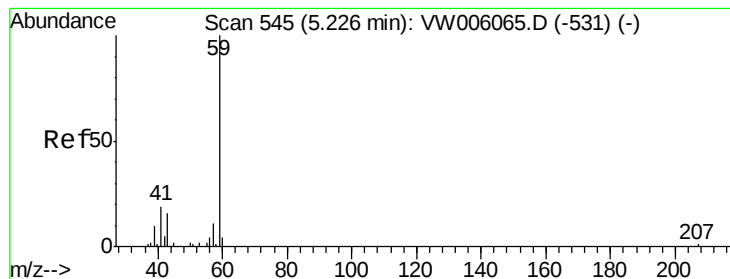


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 92.568 ug/l

RT: 5.24 min Scan# 548

Delta R.T. 0.02 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

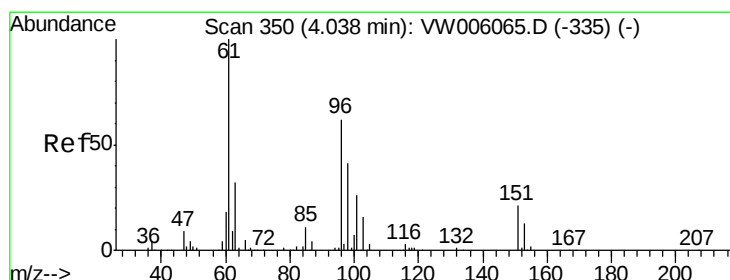
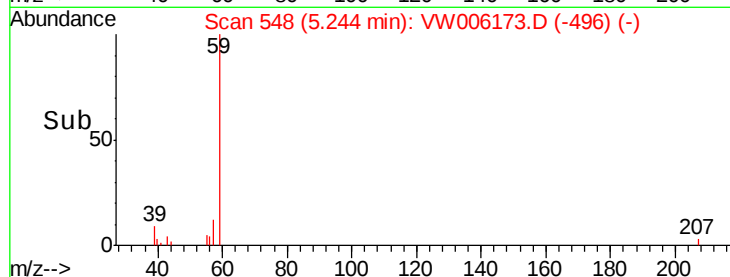
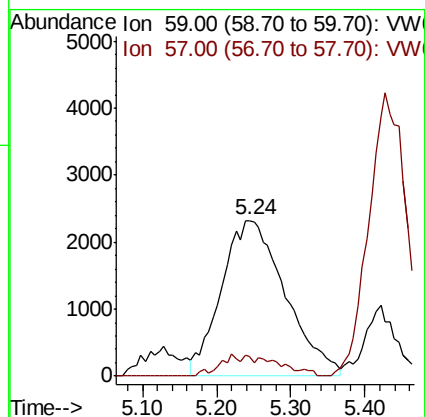
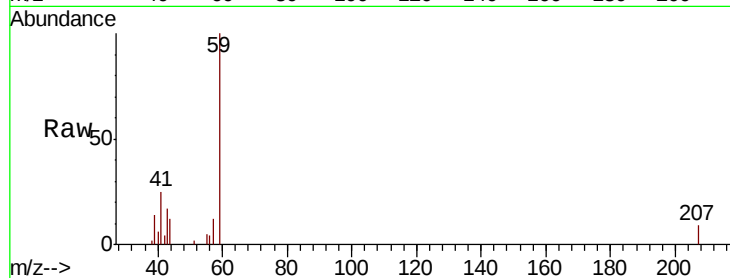
VW1018SBSD01

Tot Ion: 59 Resp: 13922

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 20.211 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

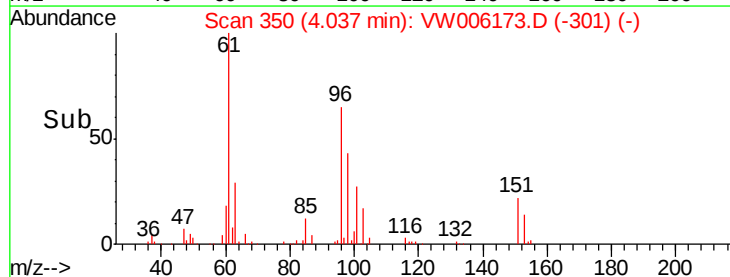
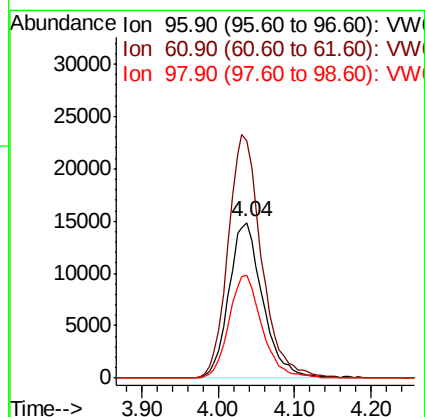
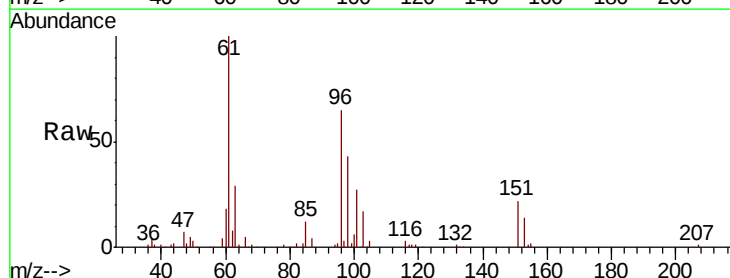
Tgt Ion: 96 Resp: 45550

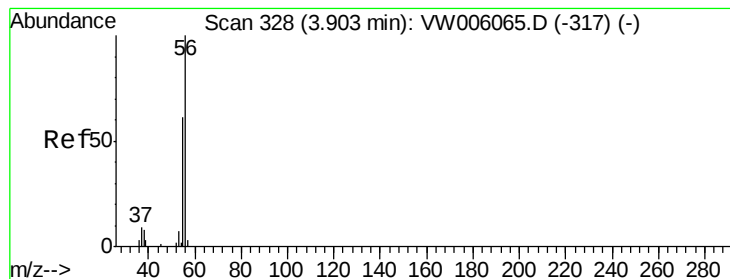
Ion Ratio Lower Upper

96 100

61 153.0 129.3 193.9

98 66.3 53.1 79.7





#13

Acrolein

Concen: 107.751 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

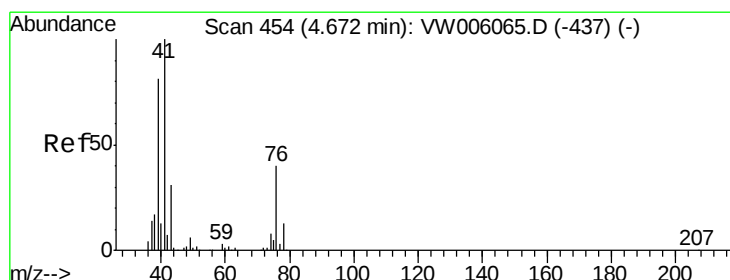
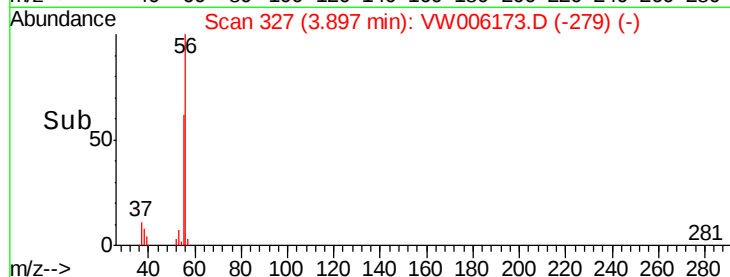
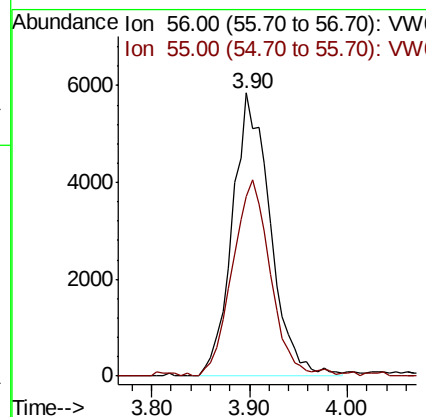
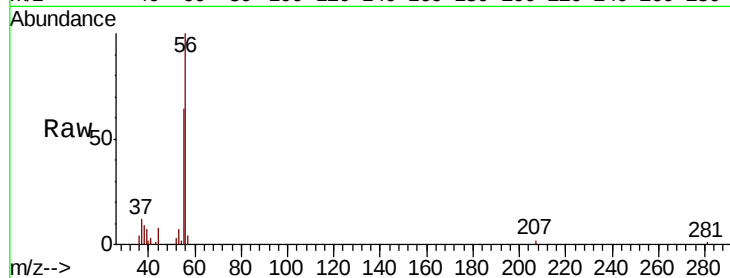
VW1018SBSD01

Tot Ion: 56 Resp: 15681

Ion Ratio Lower Upper

56 100

55 69.0 54.5 81.7



#14

Allyl chloride

Concen: 19.056 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

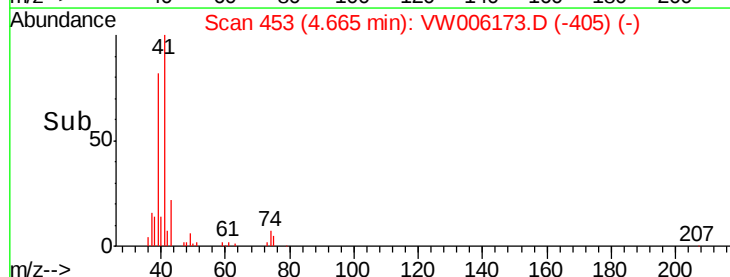
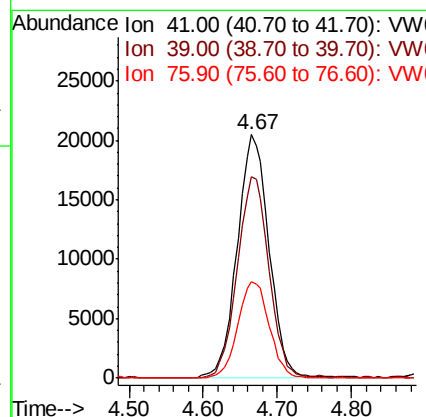
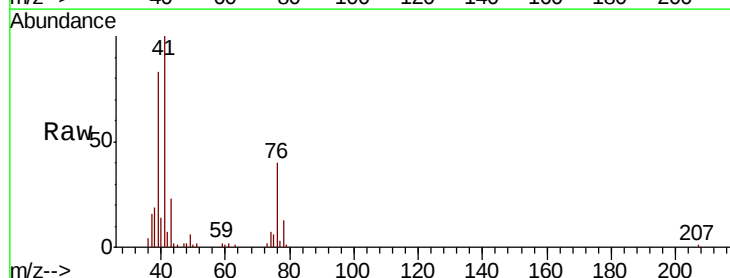
Tgt Ion: 41 Resp: 61408

Ion Ratio Lower Upper

41 100

39 82.3 64.1 96.1

76 39.1 32.2 48.4





#15

Acrylonitrile

Concen: 105.693 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

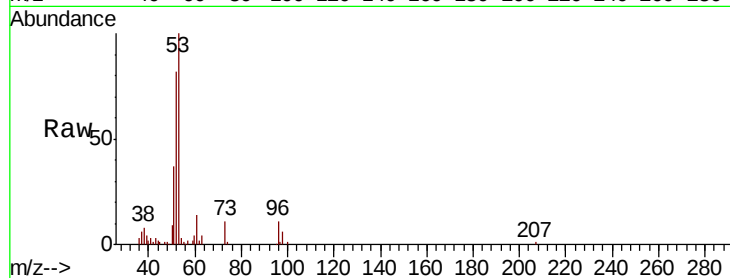
Tot Ion: 53 Resp: 46054

Ion Ratio Lower Upper

53 100

52 81.3 66.9 100.3

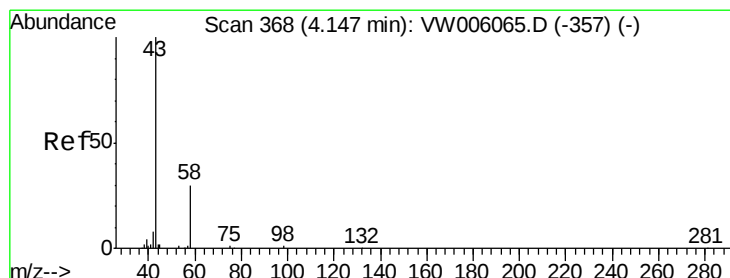
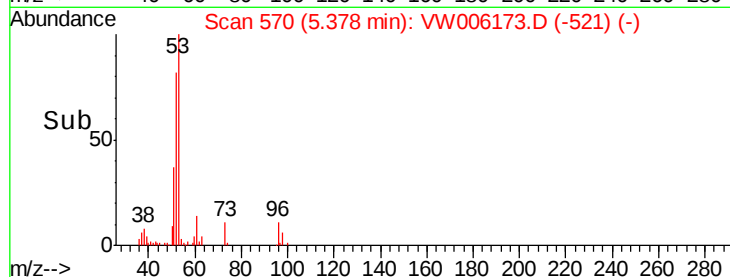
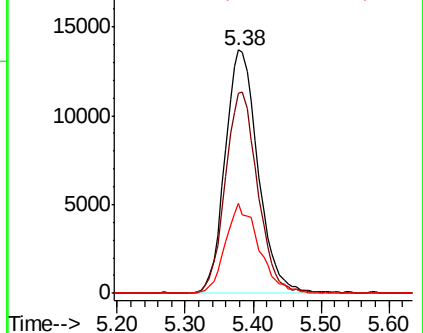
51 37.5 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 114.910 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW006173.D

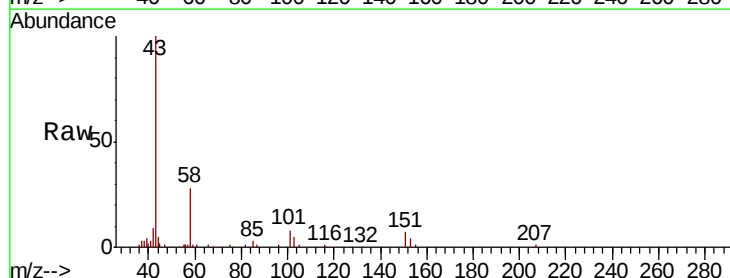
Acq: 18 Oct 2018 14:09

Tgt Ion: 43 Resp: 51565

Ion Ratio Lower Upper

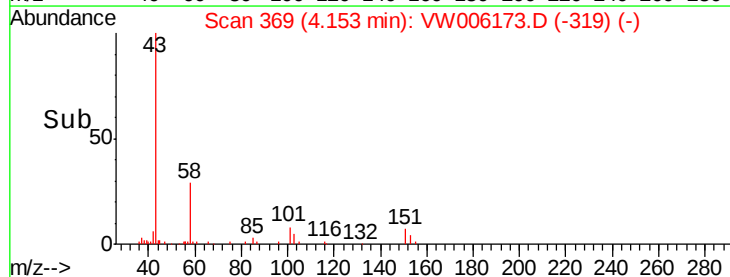
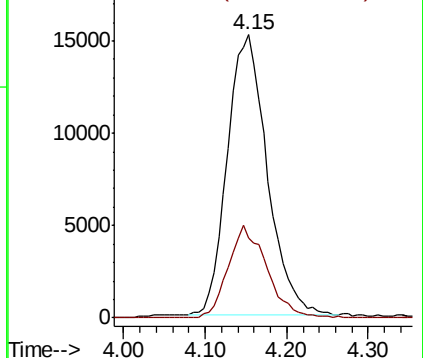
43 100

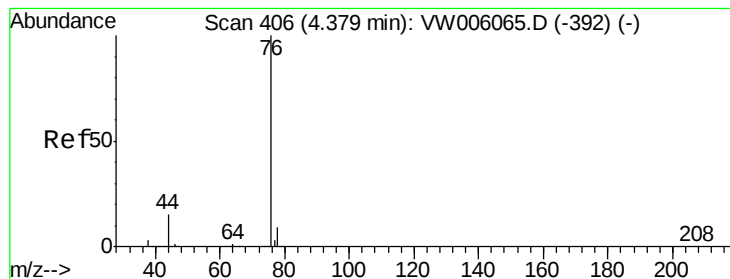
58 28.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 17.783 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

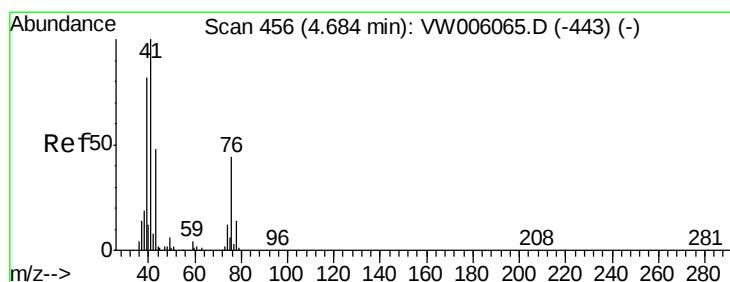
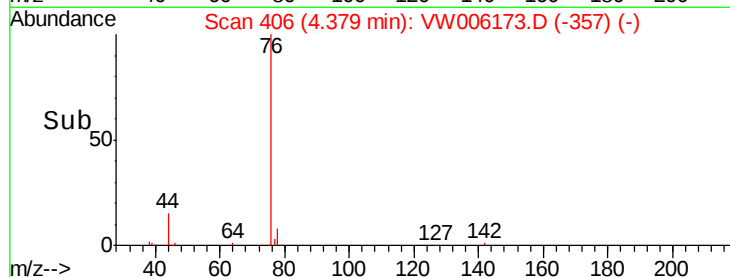
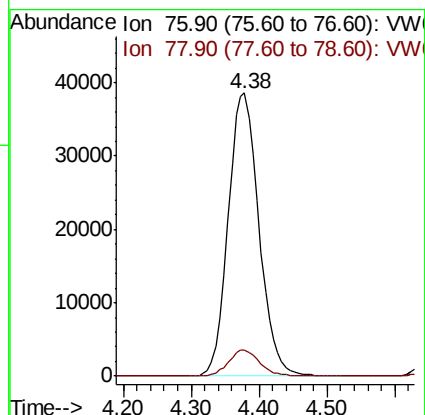
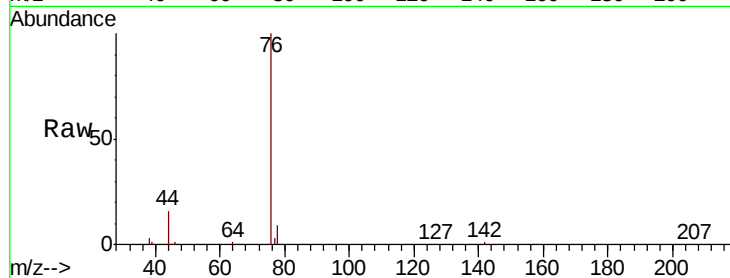
VW1018SBSD01

Tot Ion: 76 Resp: 120960

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



#18

Methyl Acetate

Concen: 19.453 ug/l

RT: 4.68 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW006173.D

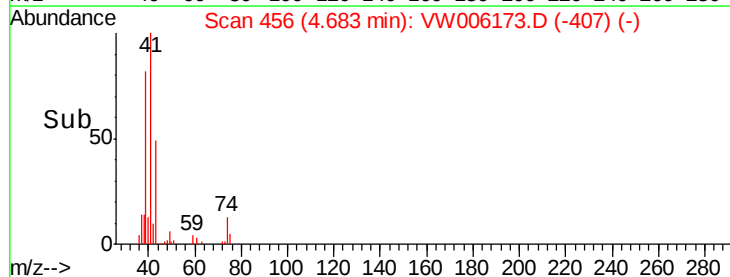
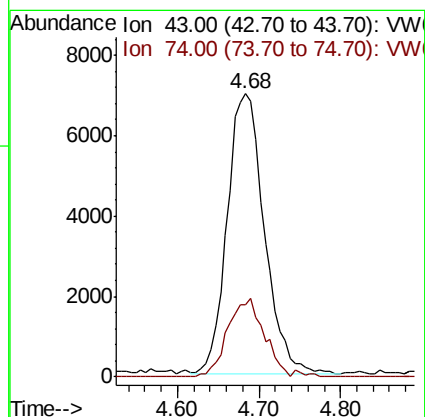
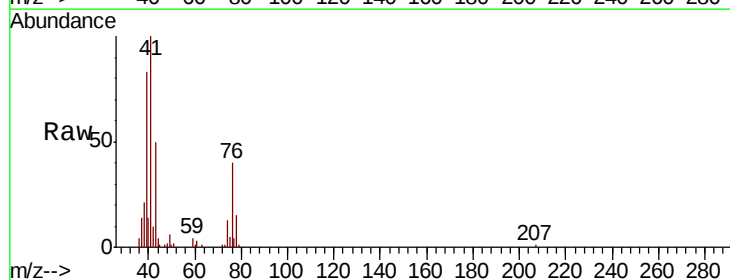
Acq: 18 Oct 2018 14:09

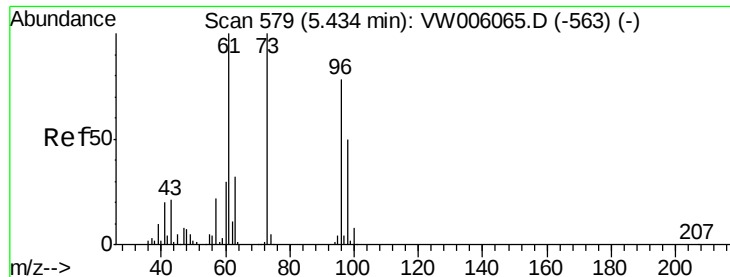
Tgt Ion: 43 Resp: 21892

Ion Ratio Lower Upper

43 100

74 27.4 20.5 30.7

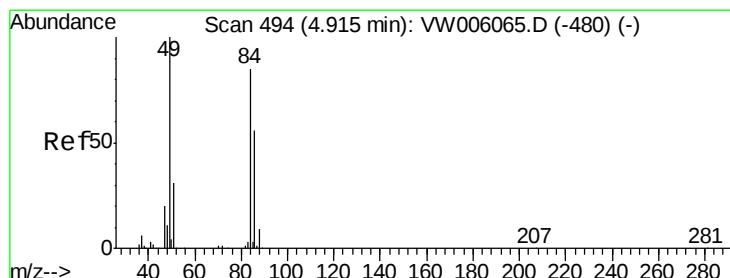
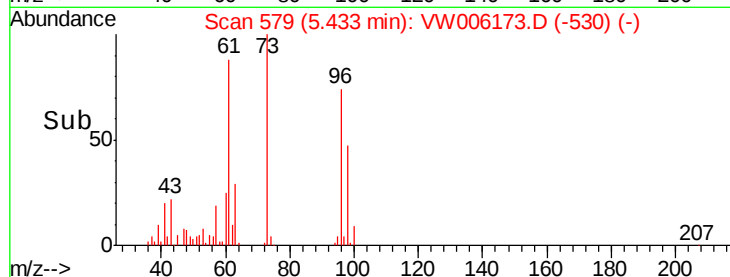
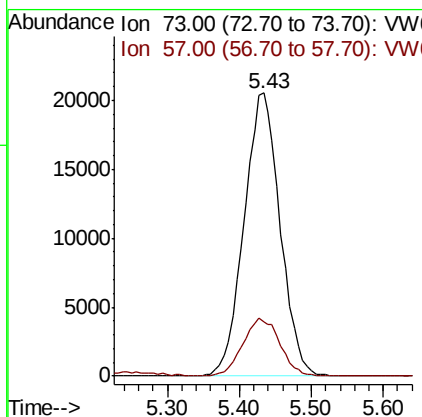
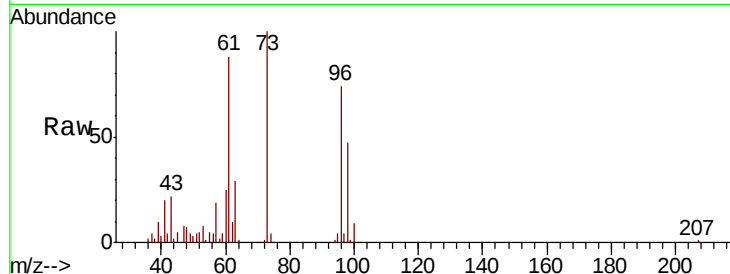




#19
Methvl tert-butvl Ether
Concen: 20.753 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

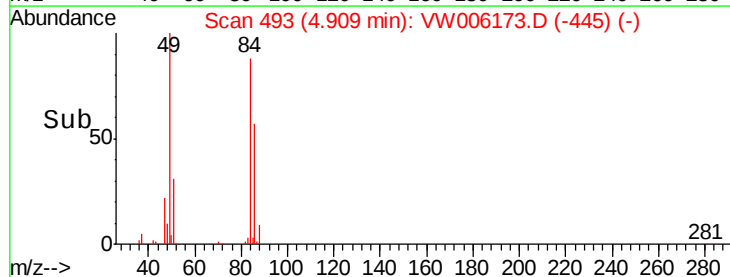
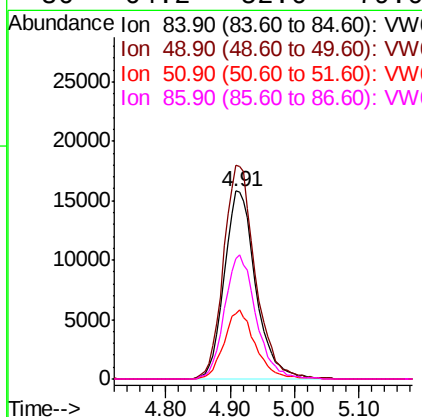
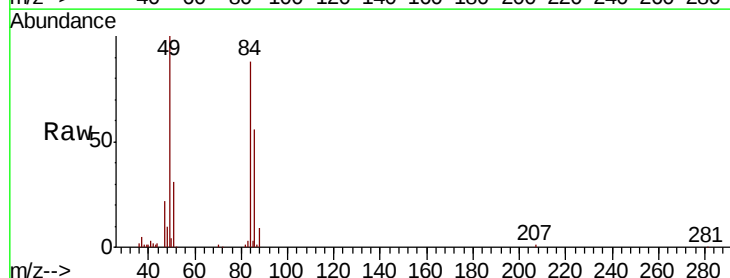
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

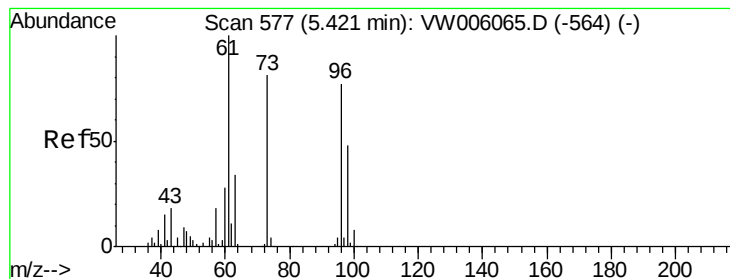
Tot Ion: 73 Resp: 71238
Ion Ratio Lower Upper
73 100
57 19.0 17.4 26.2



#20
Methylene Chloride
Concen: 22.024 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 84 Resp: 54268
Ion Ratio Lower Upper
84 100
49 113.6 93.6 140.4
51 34.7 29.0 43.4
86 64.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.182 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

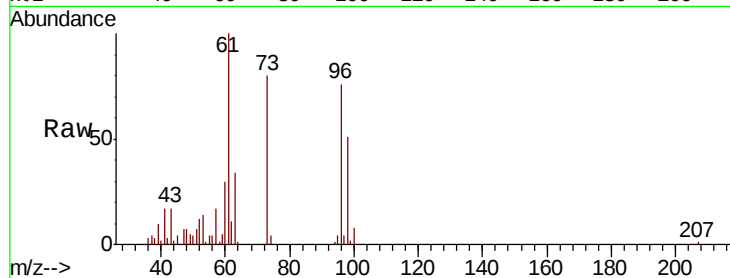
Tot Ion: 96 Resp: 50770

Ion Ratio Lower Upper

96 100

61 132.3 104.5 156.7

98 67.8 50.6 75.8

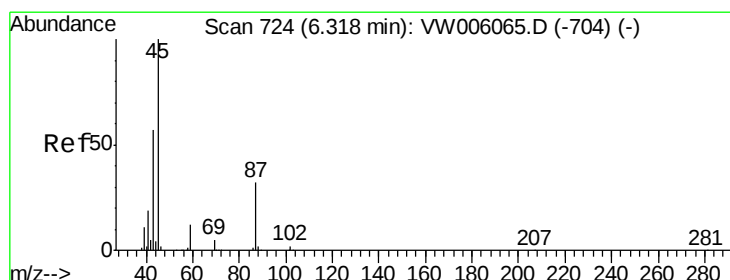
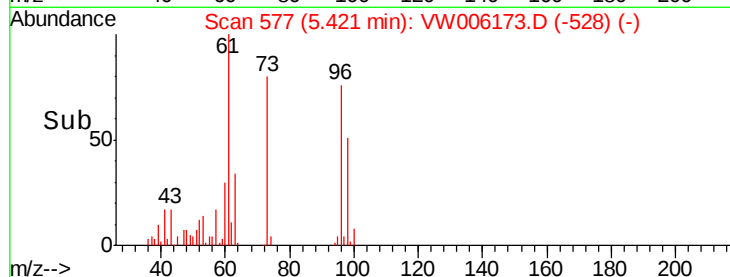
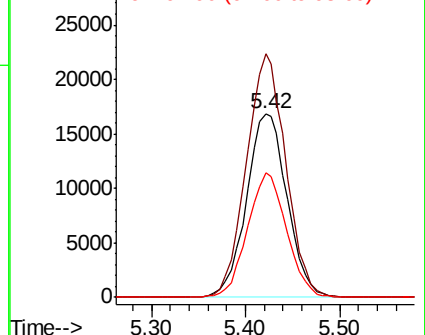


Abundance

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: 20.082 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Tgt Ion: 45 Resp: 127882

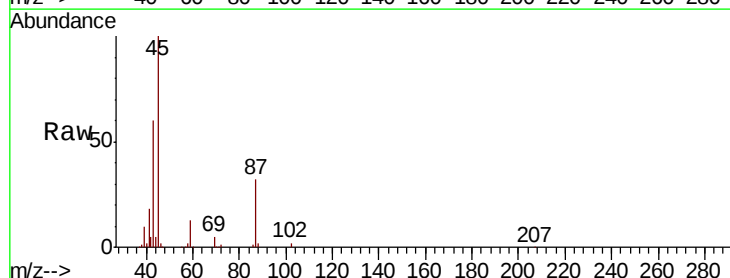
Ion Ratio Lower Upper

45 100

43 58.7 45.7 68.5

87 31.7 25.9 38.9

59 12.3 9.6 14.4



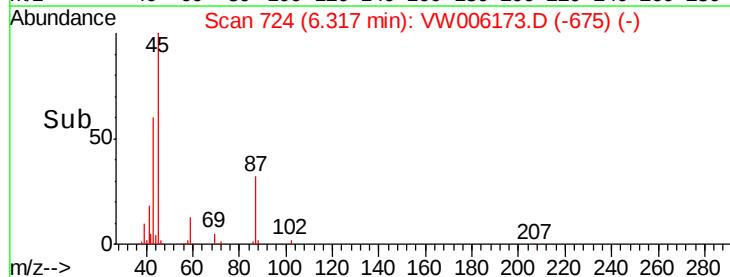
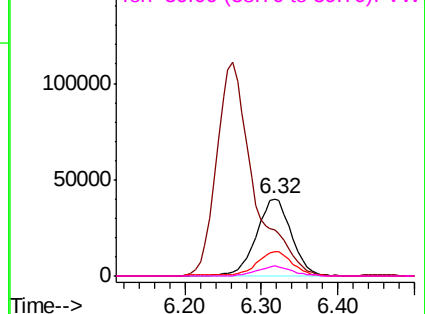
Abundance

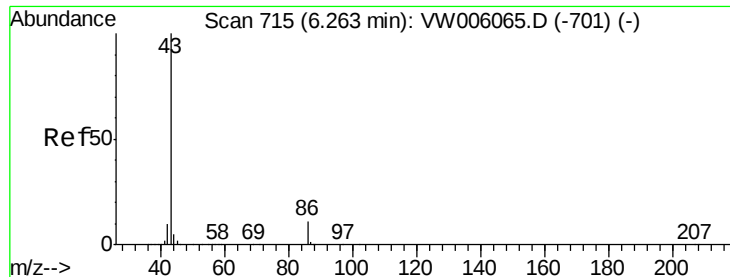
Ion 45.00 (44.70 to 45.70): VW

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: 99.183 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

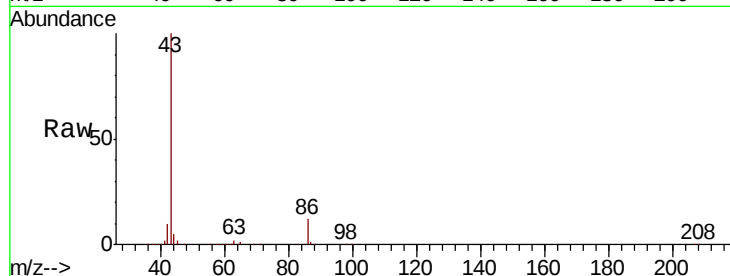
VW1018SBSD01

Tot Ion: 43 Resp: 372744

Ion Ratio Lower Upper

43 100

86 11.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

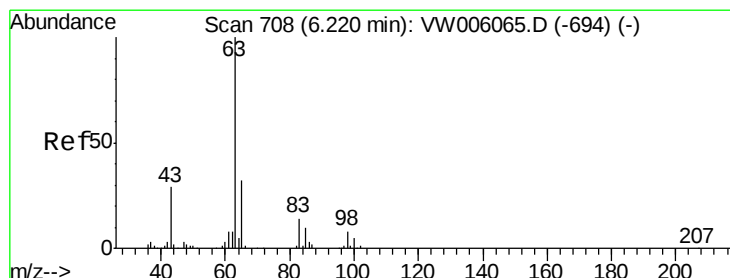
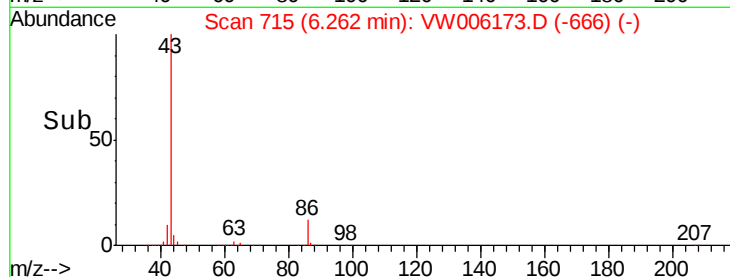
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.353 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

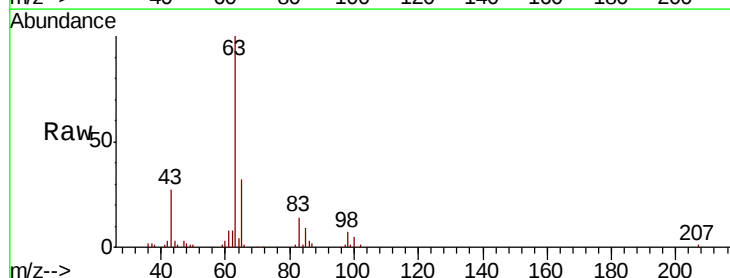
Tgt Ion: 63 Resp: 83634

Ion Ratio Lower Upper

63 100

98 7.0 3.8 11.2

100 5.3 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

6.22

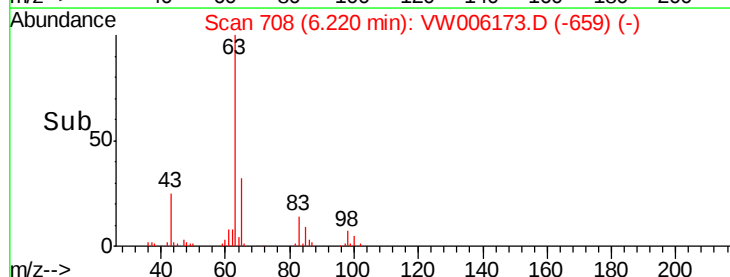
30000

20000

10000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 110.620 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

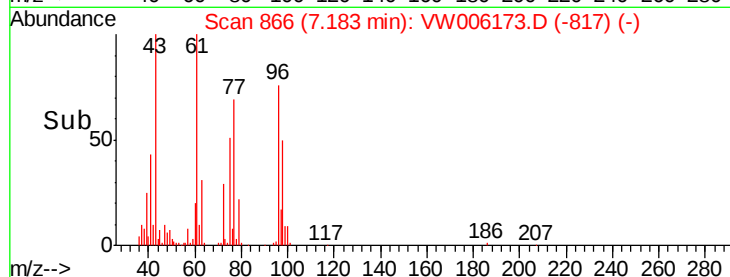
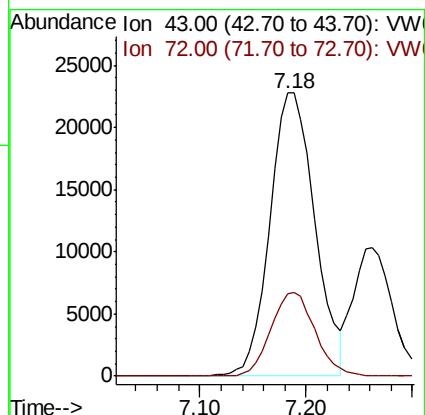
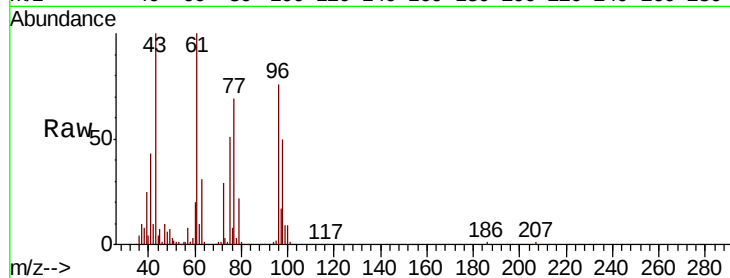
VW1018SBSD01

Tot Ion: 43 Resp: 66828

Ion Ratio Lower Upper

43 100

72 29.3 22.8 34.2



#26

2,2-Dichloropropane

Concen: 20.168 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006173.D

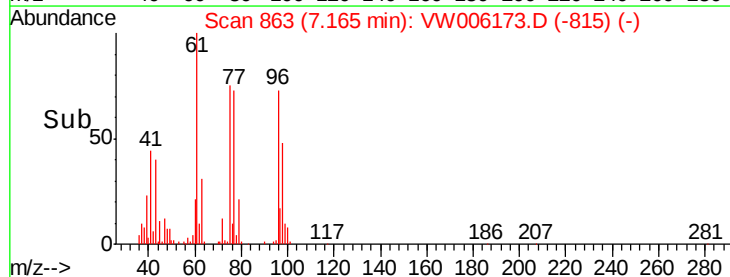
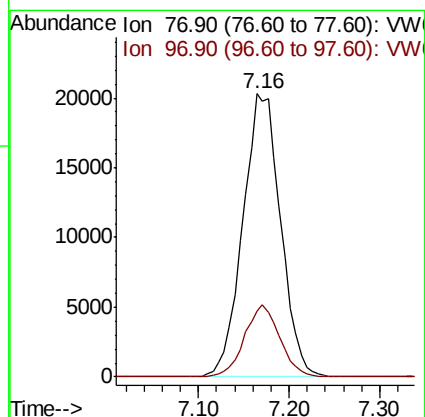
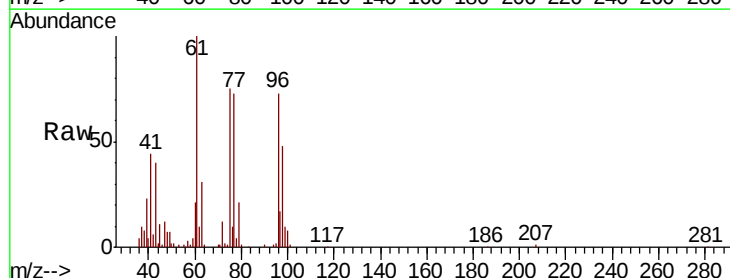
Acq: 18 Oct 2018 14:09

Tgt Ion: 77 Resp: 58450

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.4



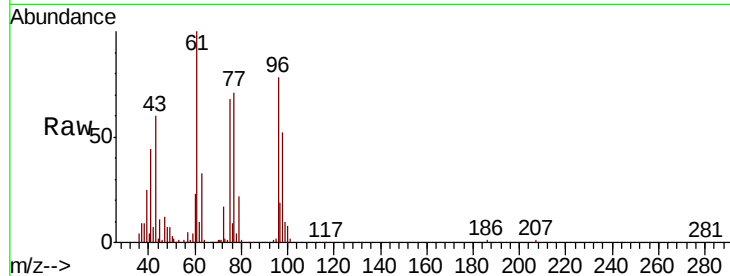


#27

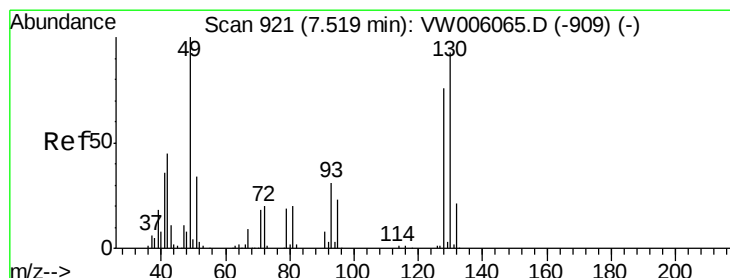
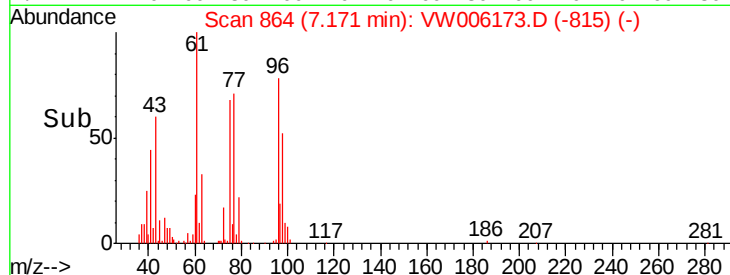
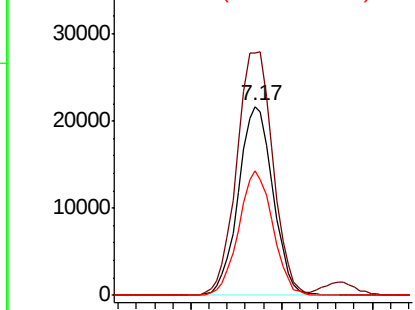
cis-1,2-Dichloroethene
 Concen: 20.599 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBSD01

Tot Ion	96	Resp	57184
Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	267.2
98	64.8	0.0	128.6



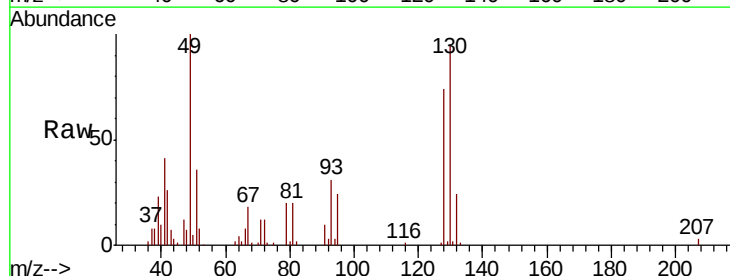
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



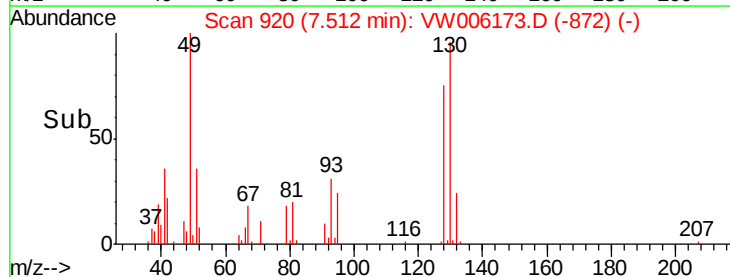
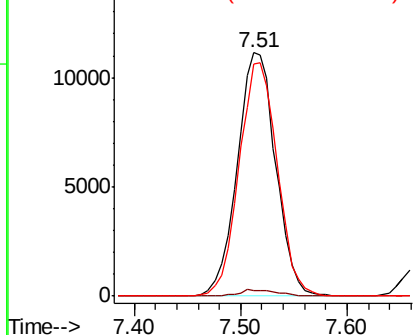
#28

Bromochloromethane
 Concen: 17.783 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Tgt Ion	49	Resp	28210
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.0
130	95.0	73.8	110.8



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





#29

Tetrahydrofuran

Concen: 103.309 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

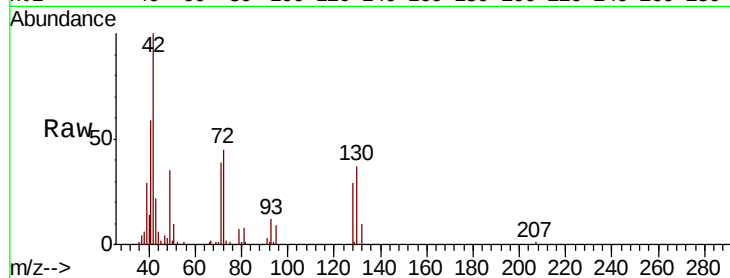
Tot Ion: 42 Resp: 38363

Ion Ratio Lower Upper

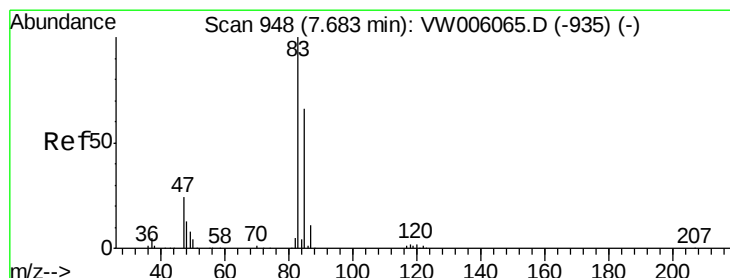
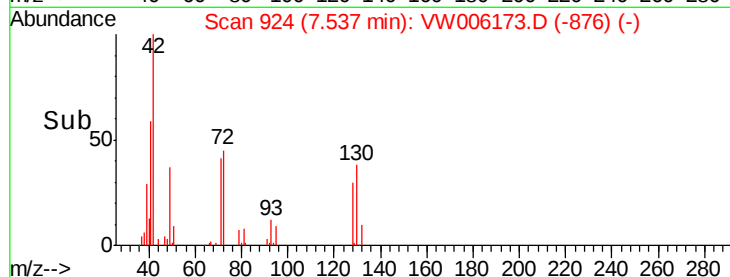
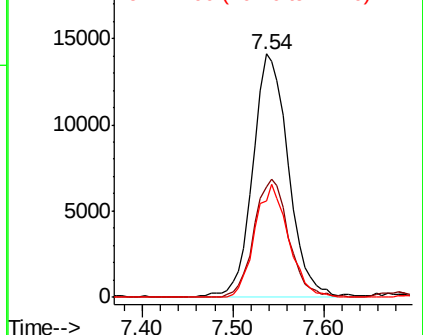
42 100

72 47.5 38.0 57.0

71 43.9 35.3 52.9



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



#30

Chloroform

Concen: 20.357 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006173.D

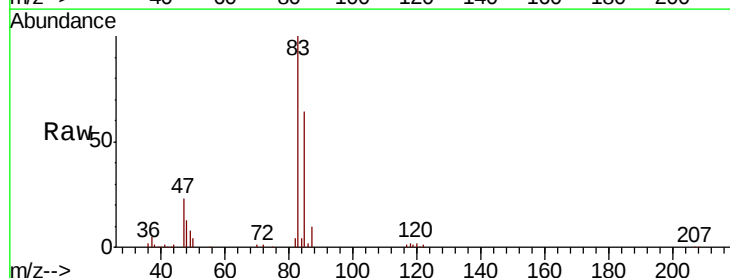
Acq: 18 Oct 2018 14:09

Tgt Ion: 83 Resp: 91135

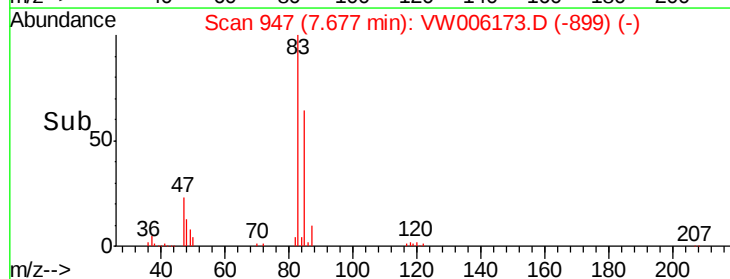
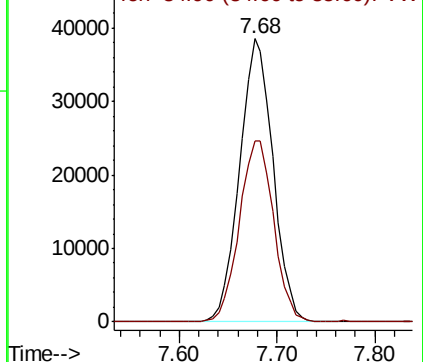
Ion Ratio Lower Upper

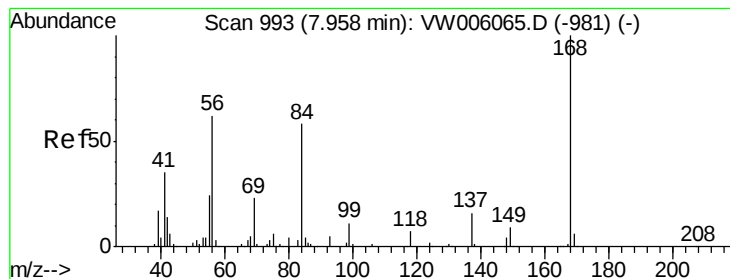
83 100

85 63.8 52.6 79.0



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





#31

Cyclohexane

Concen: 19.758 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

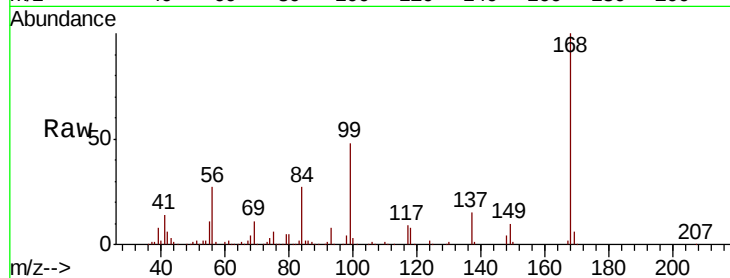
Tot Ion: 56 Resp: 80852

Ion Ratio Lower Upper

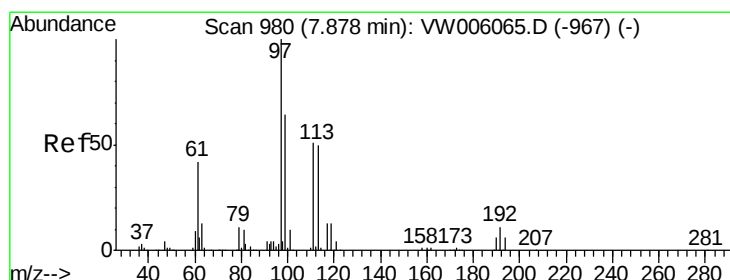
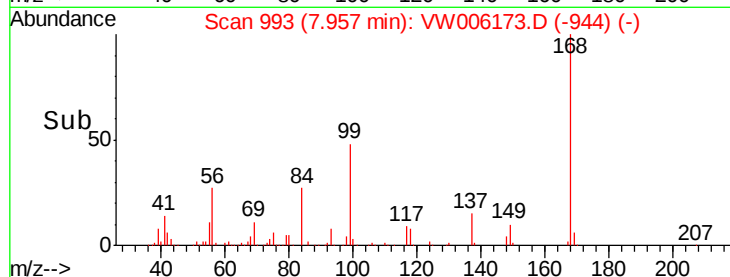
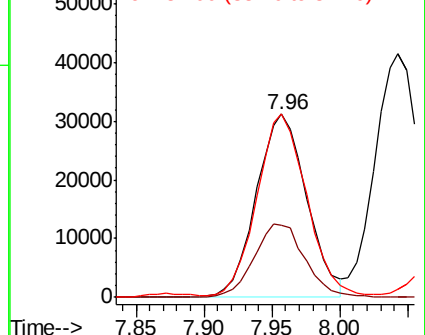
56 100

69 39.7 29.4 44.0

84 99.0 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: 20.001 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

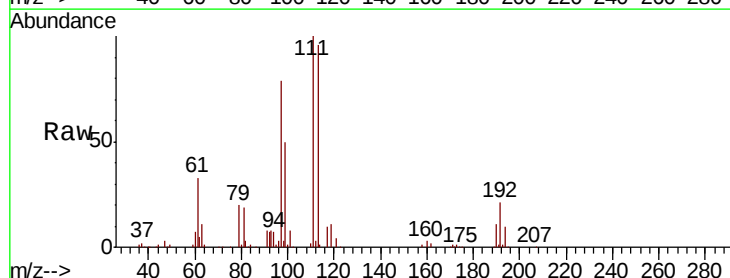
Tgt Ion: 97 Resp: 80773

Ion Ratio Lower Upper

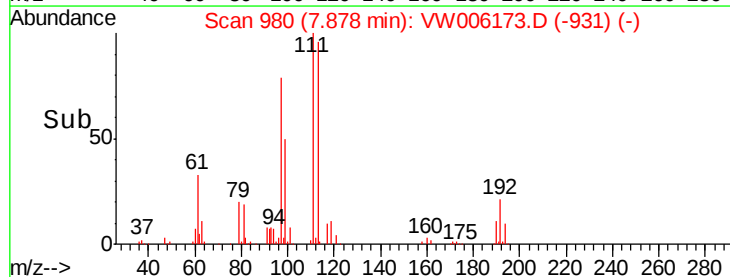
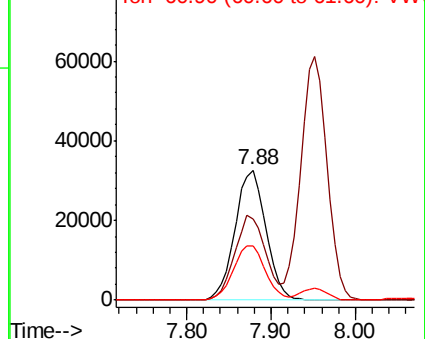
97 100

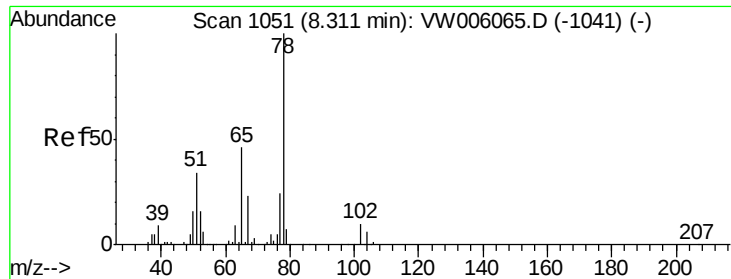
99 64.6 50.9 76.3

61 43.3 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

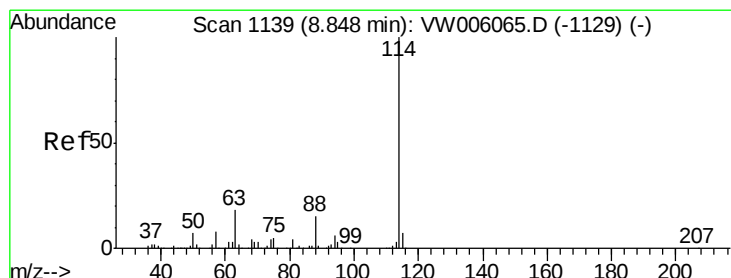
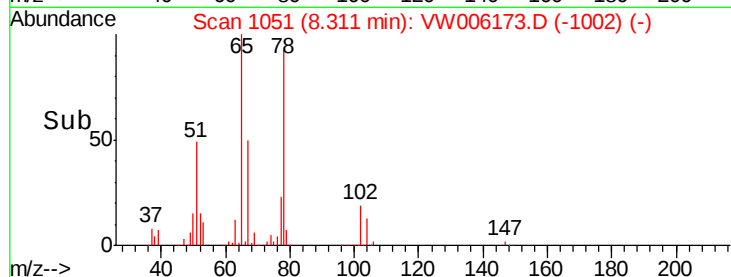
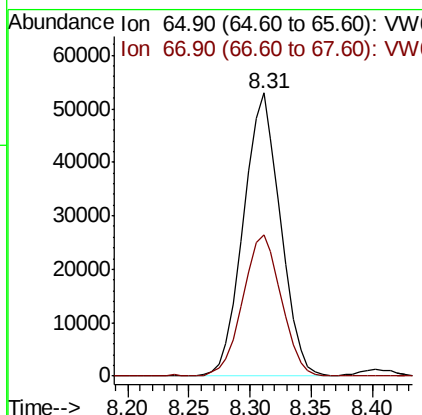
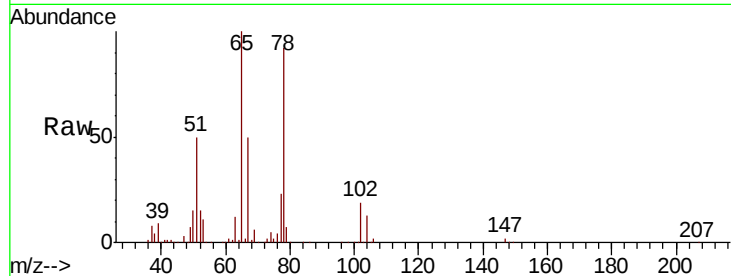




#33
 1,2-Dichloroethane-d4
 Concen: 49.928 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

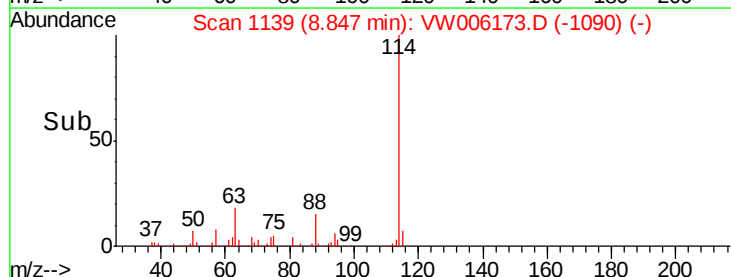
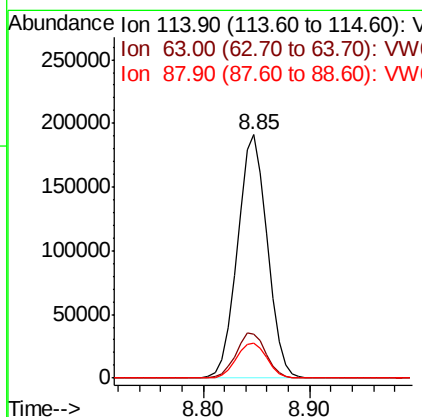
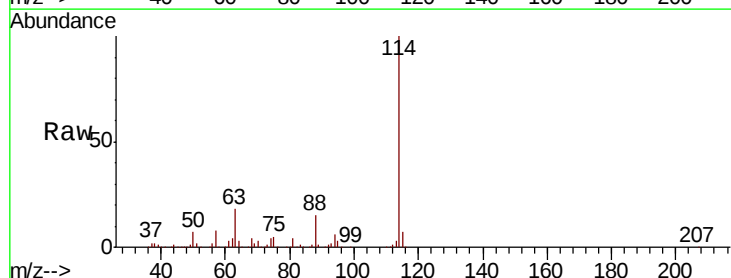
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBSD01

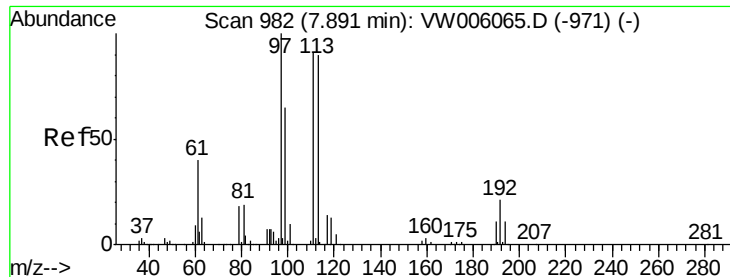
Tot Ion: 65 Resp: 111653
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Tgt Ion: 114 Resp: 375071
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.8
 88 14.6 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.828 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

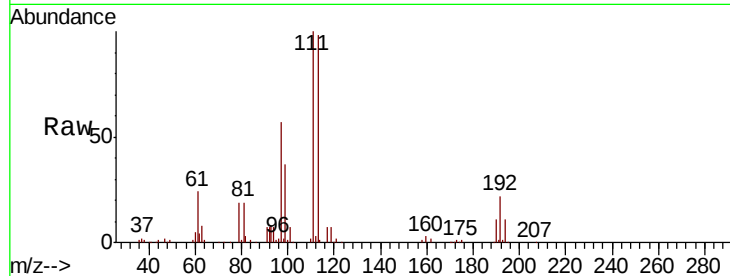
Tot Ion:113 Resp: 112648

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

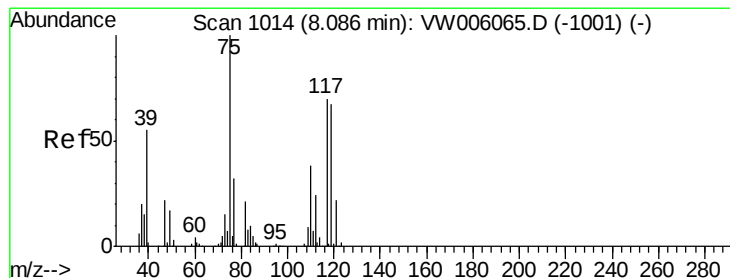
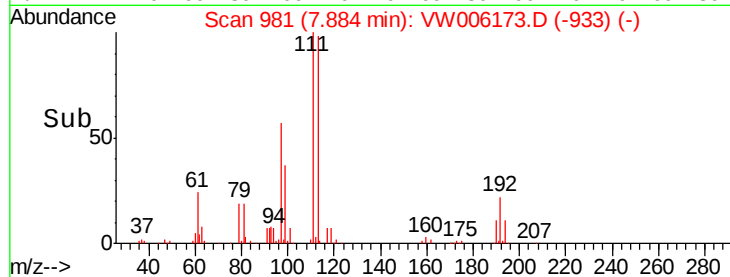
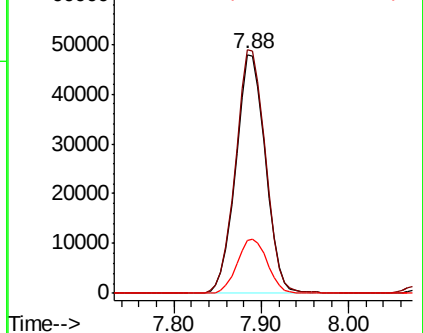
192 23.1 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.301 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

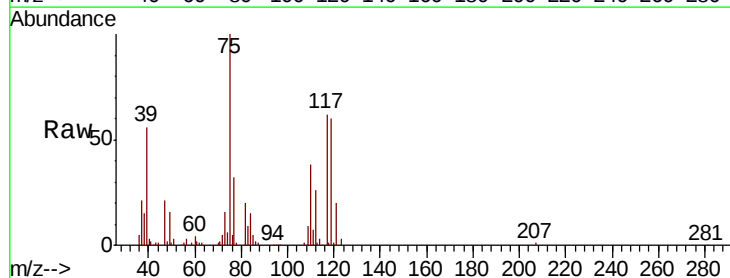
Tgt Ion: 75 Resp: 73641

Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.1

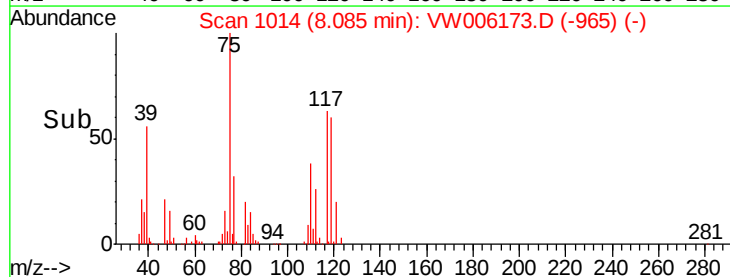
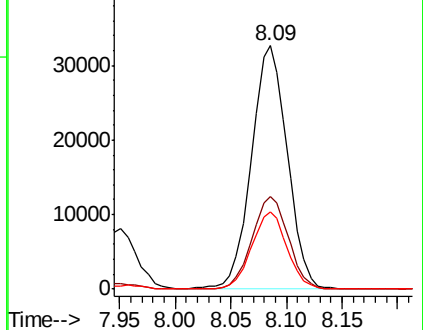
77 31.3 25.0 37.4

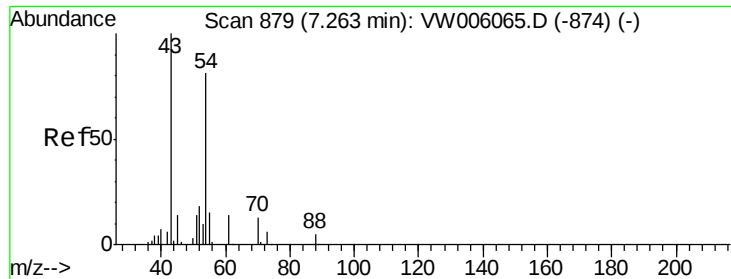


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

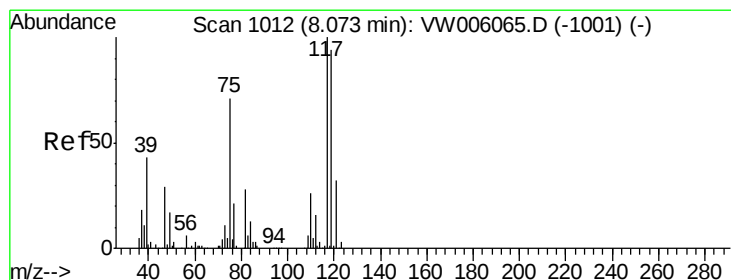
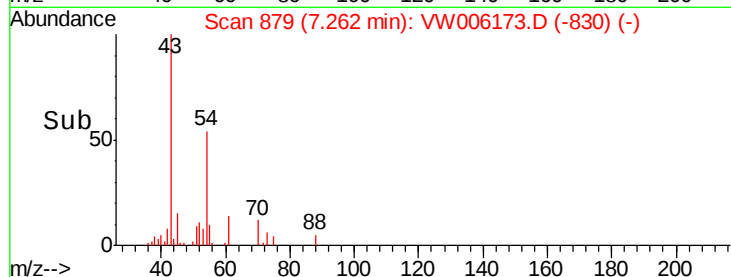
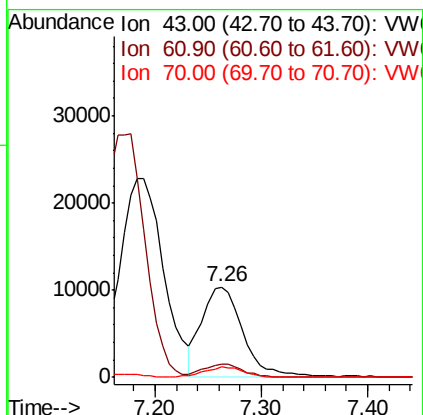
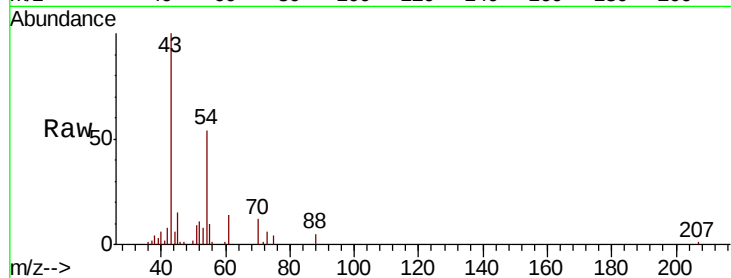




#37
Ethyl Acetate
Concen: 21.303 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

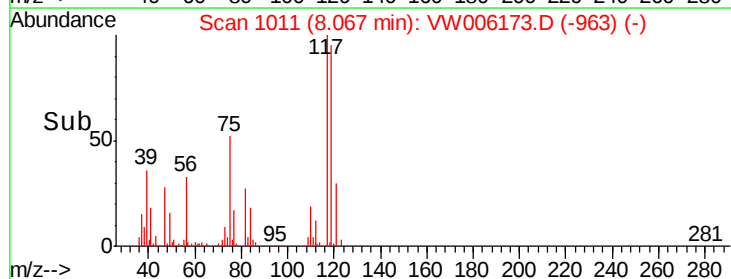
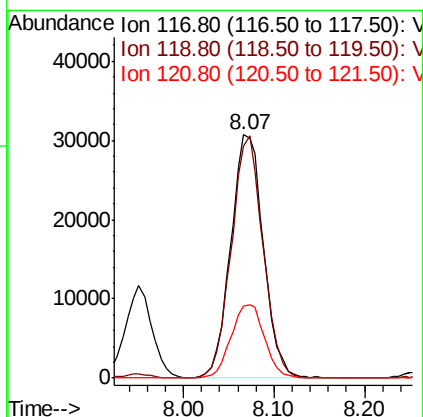
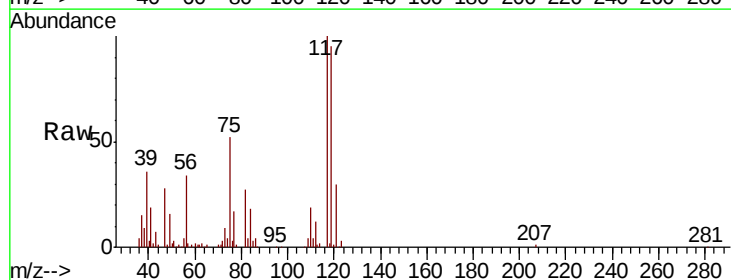
Instrument :
MSVOA_W
ClientSampled :
VW1018SBS01

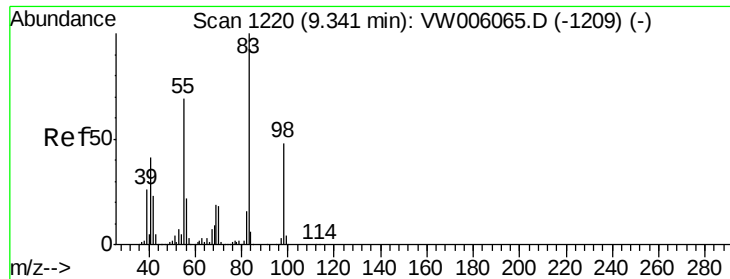
Tot Ion: 43 Resp: 27362
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 11.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 20.275 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 117 Resp: 76839
Ion Ratio Lower Upper
117 100
119 95.3 75.2 112.8
121 29.9 25.3 37.9

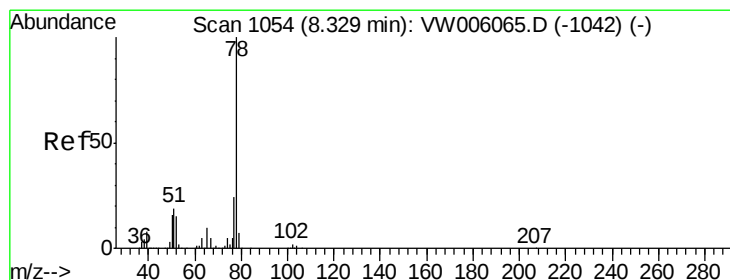
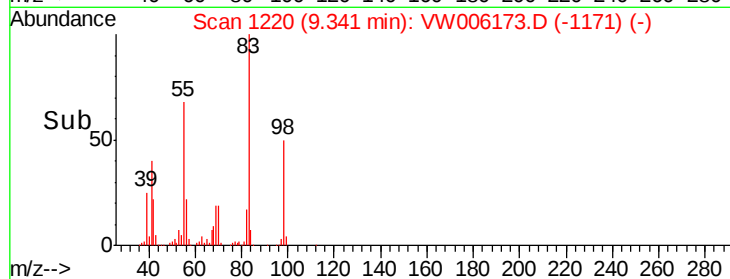
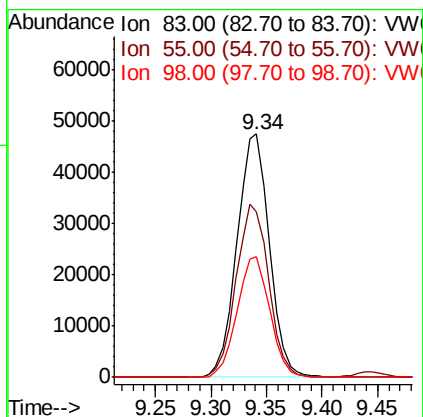
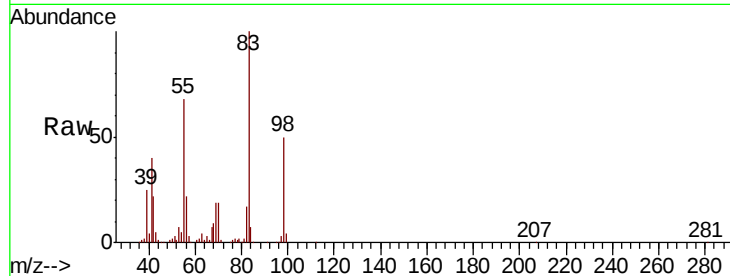




#39
Methvlcvclohexane
Concen: 20.820 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

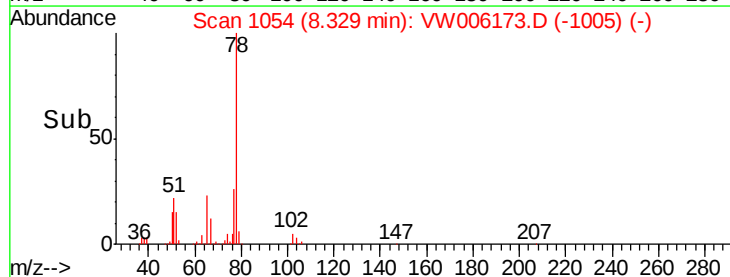
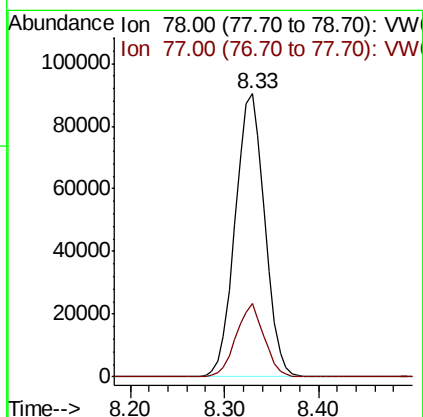
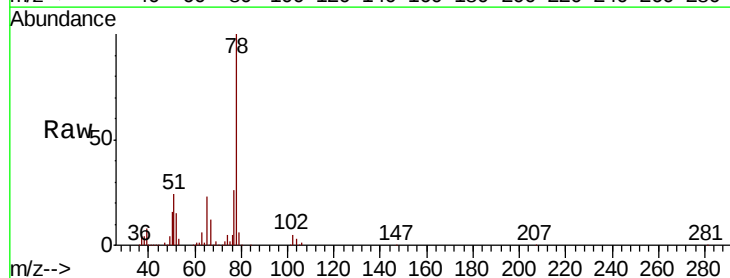
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

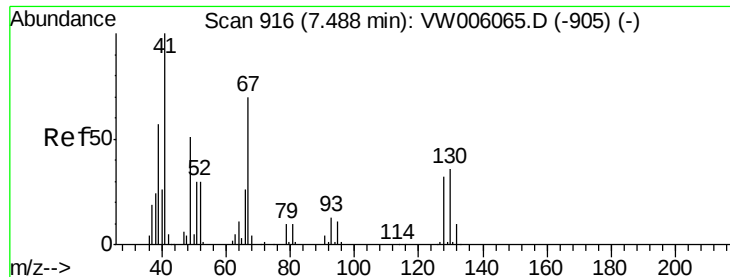
Tot Ion: 83 Resp: 95678
Ion Ratio Lower Upper
83 100
55 68.1 55.0 82.6
98 49.7 38.6 57.8



#40
Benzene
Concen: 20.803 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 78 Resp: 197278
Ion Ratio Lower Upper
78 100
77 26.0 19.4 29.0

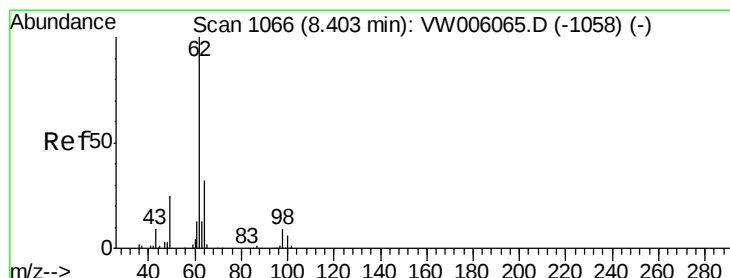
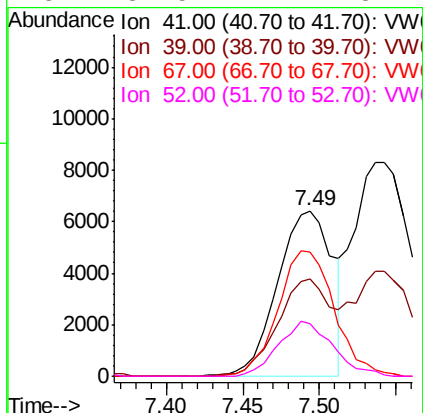
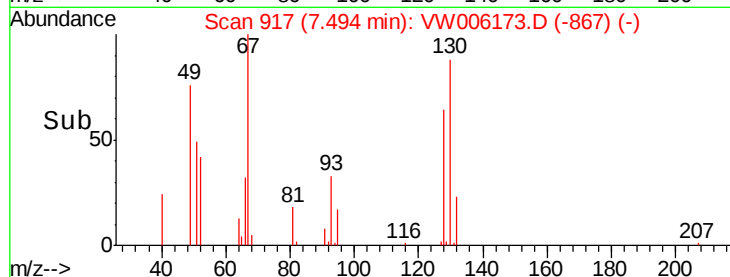
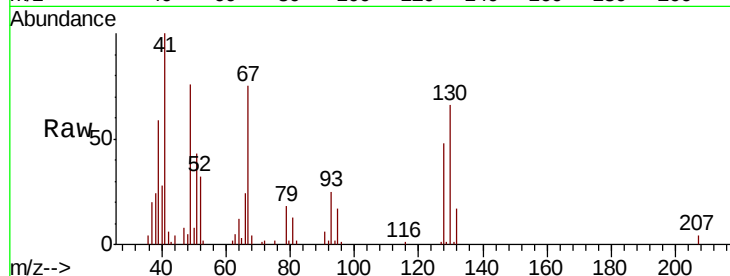




#41
Methacrylonitrile
Concen: 20.806 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

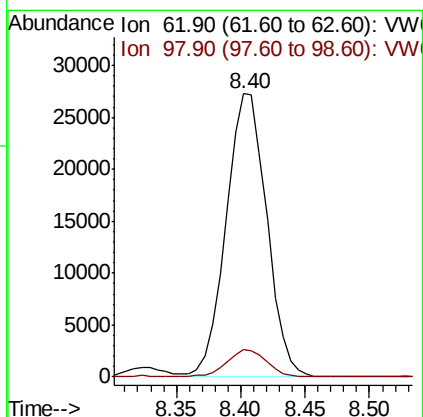
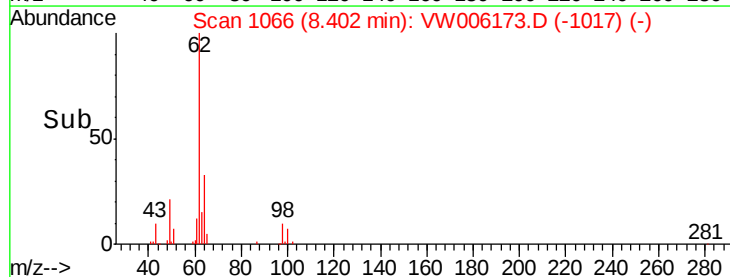
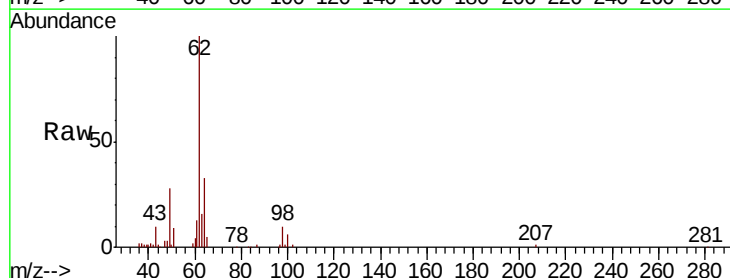
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

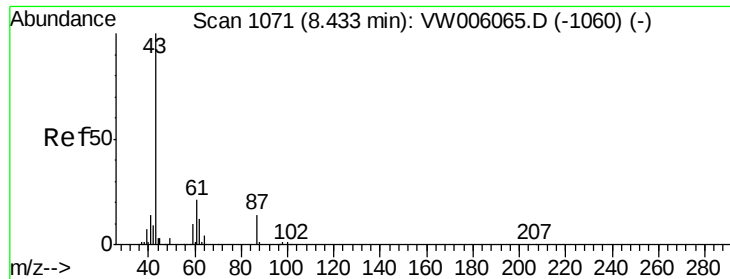
Tot Ion:	41	Resp:	16110
Ion	Ratio	Lower	Upper
41	100		
39	58.0	46.2	69.4
67	77.3	57.7	86.5
52	32.5	24.7	37.1



#42
1,2-Dichloroethane
Concen: 21.482 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion:	62	Resp:	59853
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 20.428 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

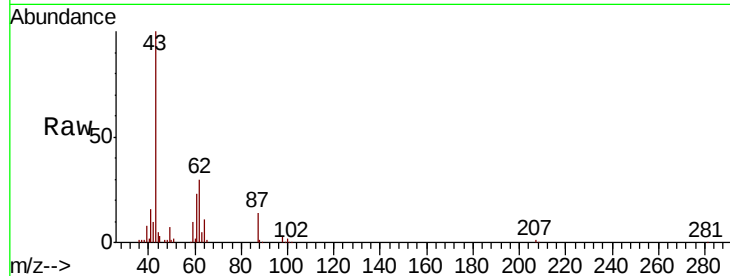
Tot Ion: 43 Resp: 53650

Ion Ratio Lower Upper

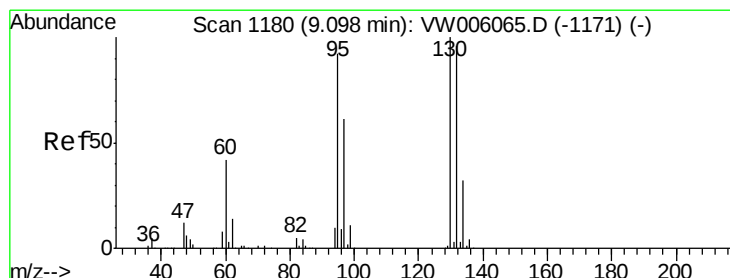
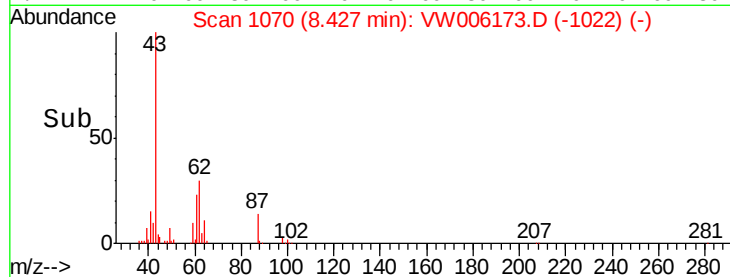
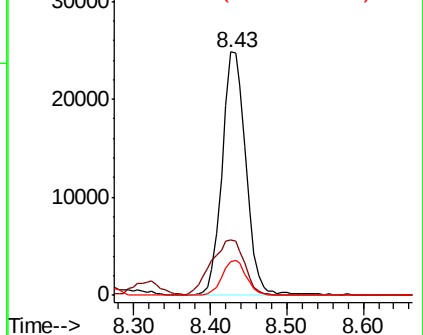
43 100

61 31.9 25.5 38.3

87 14.4 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: 21.169 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006173.D

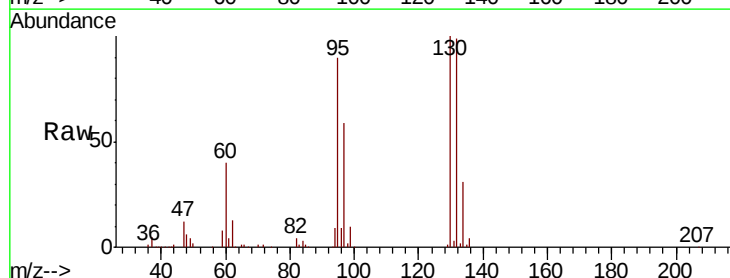
Acq: 18 Oct 2018 14:09

Tgt Ion: 130 Resp: 61590

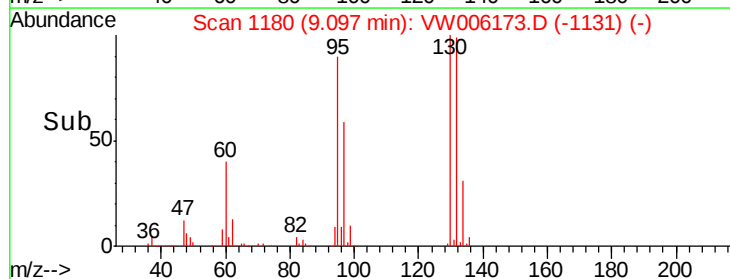
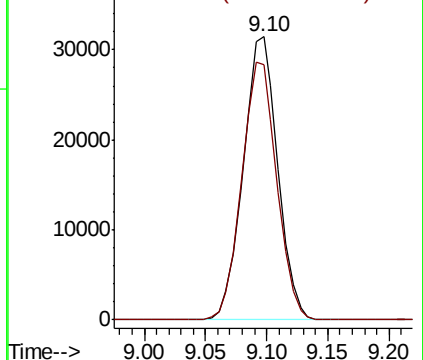
Ion Ratio Lower Upper

130 100

95 90.3 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: 20.716 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

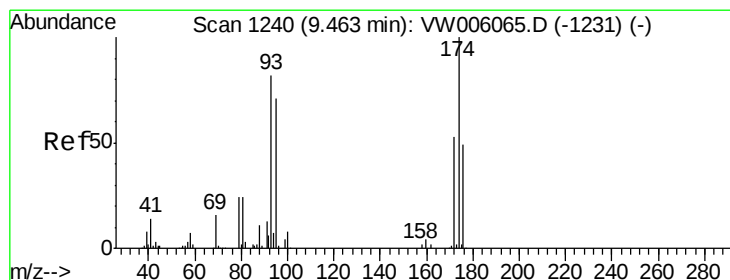
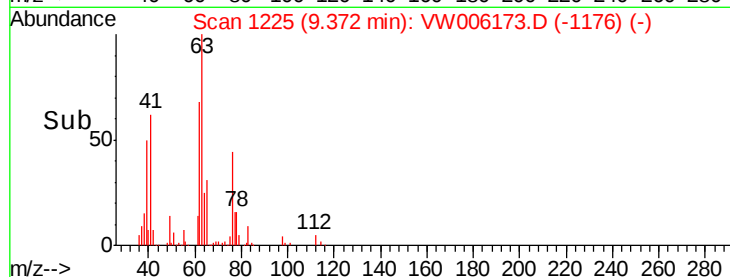
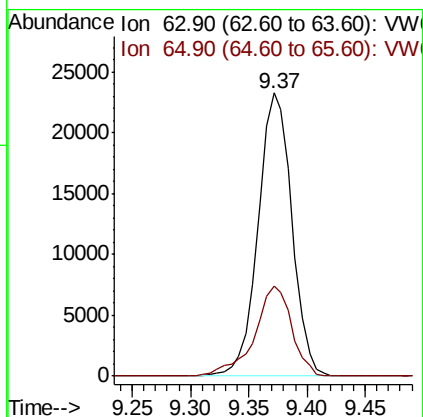
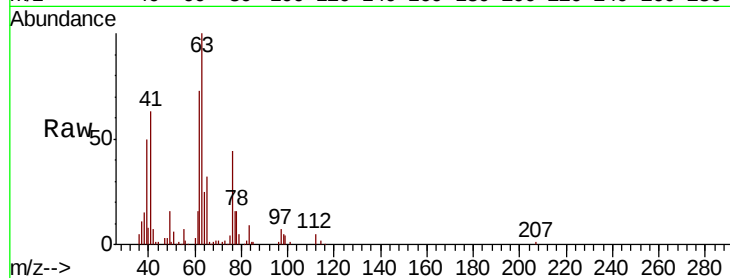
VW1018SBS01

Tot Ion: 63 Resp: 47010

Ion Ratio Lower Upper

63 100

65 31.7 25.4 38.0



#46

Dibromomethane

Concen: 21.126 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

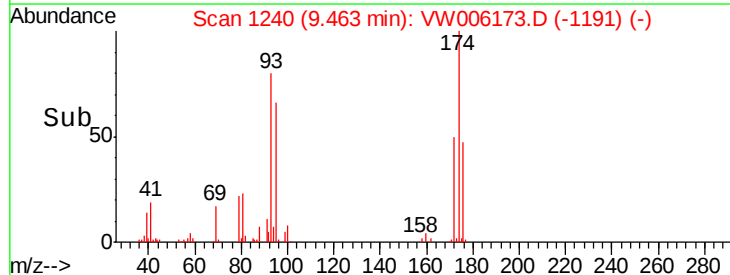
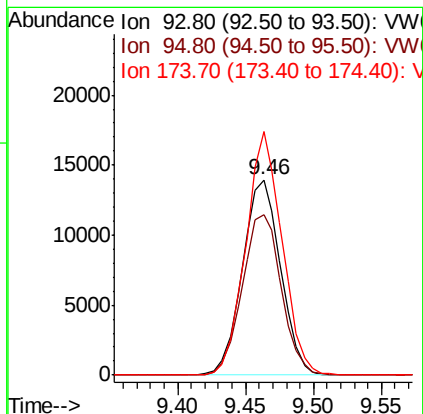
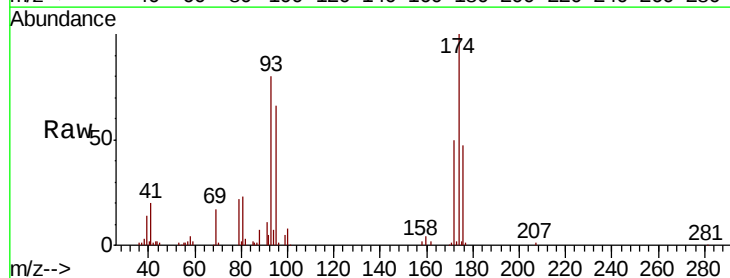
Tgt Ion: 93 Resp: 27324

Ion Ratio Lower Upper

93 100

95 84.4 67.7 101.5

174 118.4 93.7 140.5





#47

Bromodichloromethane

Concen: 19.761 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBSD01

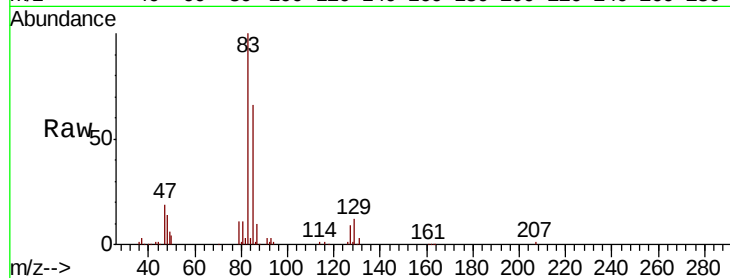
Tot Ion: 83 Resp: 61964

Ion Ratio Lower Upper

83 100

85 65.7 51.8 77.8

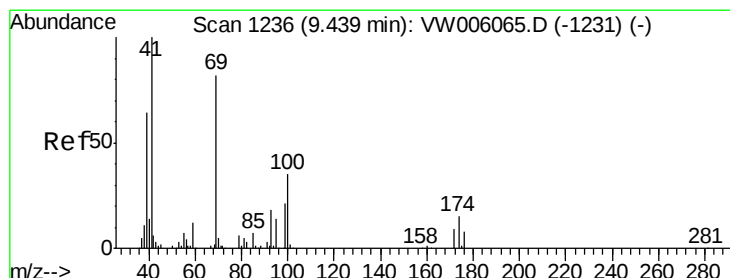
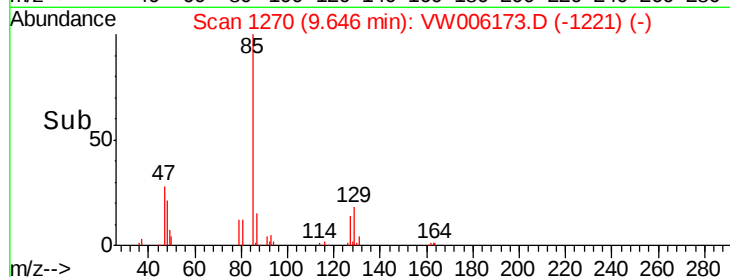
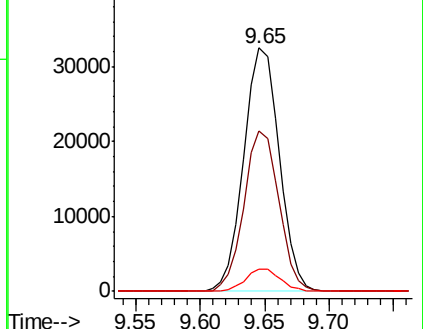
127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.987 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

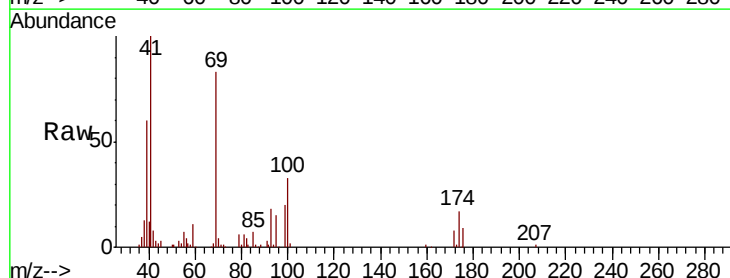
Tgt Ion: 41 Resp: 26126

Ion Ratio Lower Upper

41 100

69 93.9 71.8 107.8

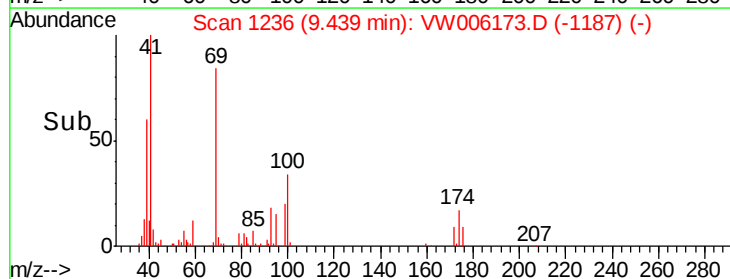
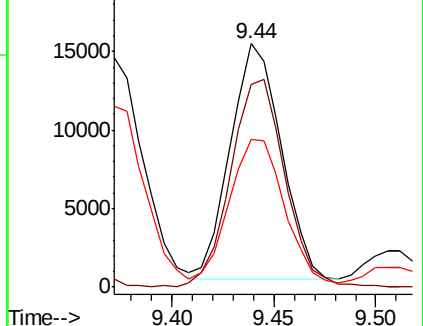
39 64.5 52.5 78.7

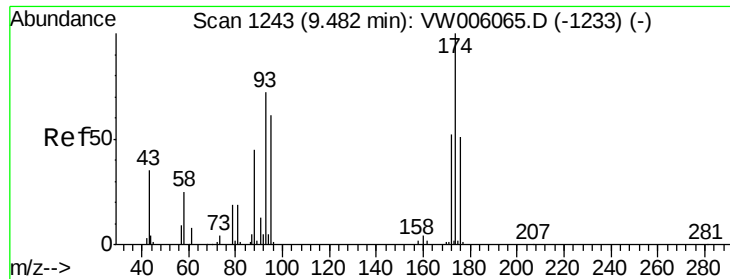


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

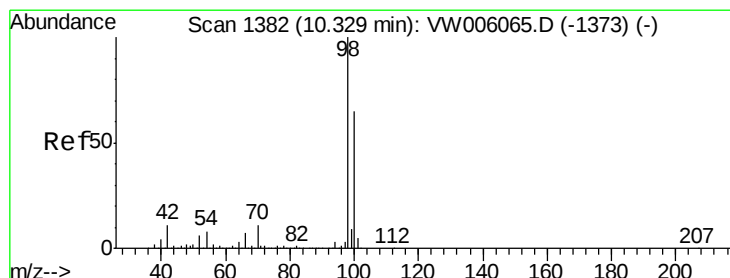
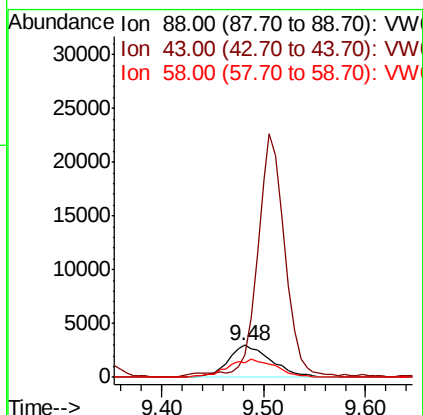
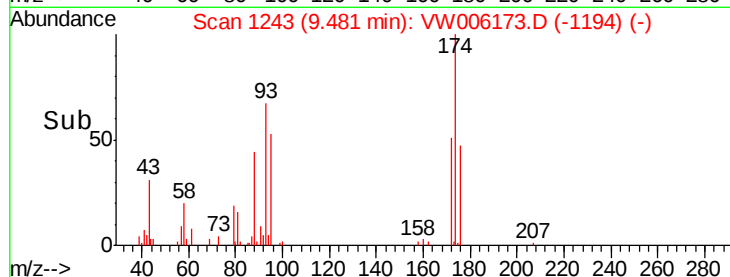
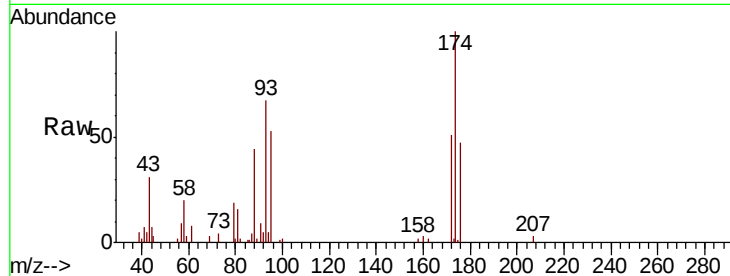




#49
1,4-Dioxane
Concen: 429.817 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

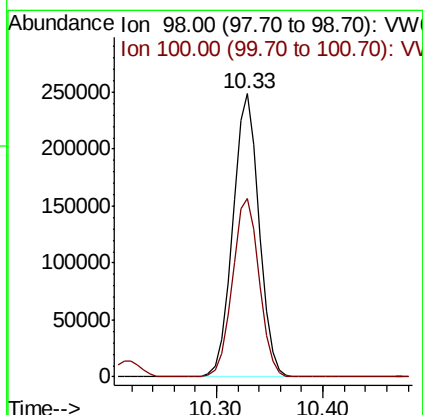
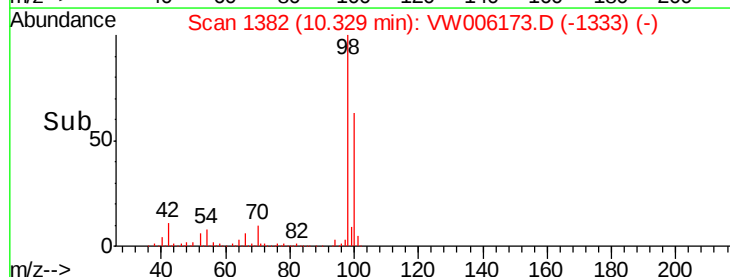
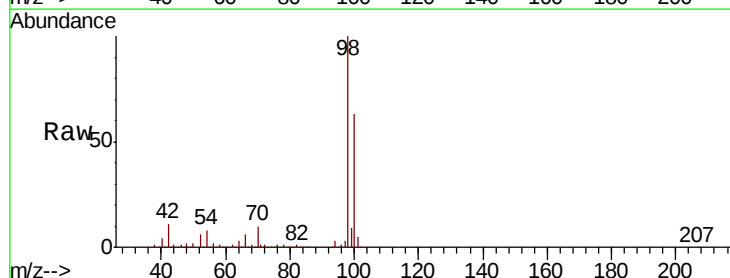
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

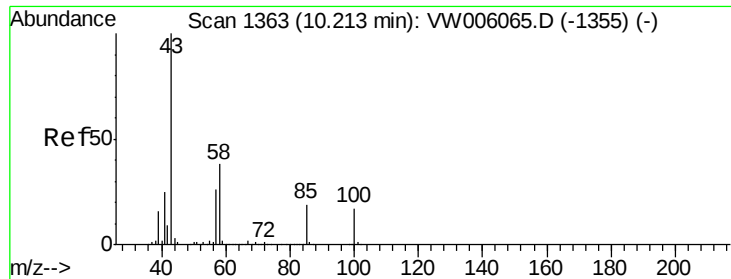
Tot Ion: 88 Resp: 8558
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 64.1 51.2 76.8



#50
Toluene-d8
Concen: 50.762 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 98 Resp: 428021
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 105.692 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

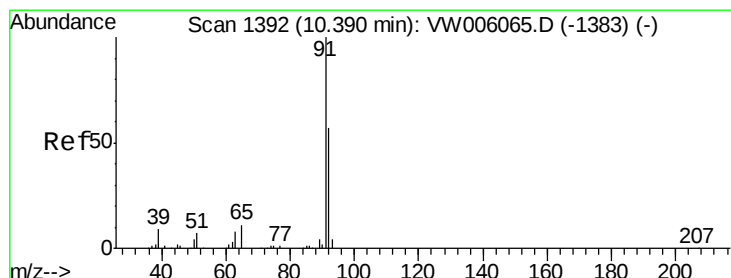
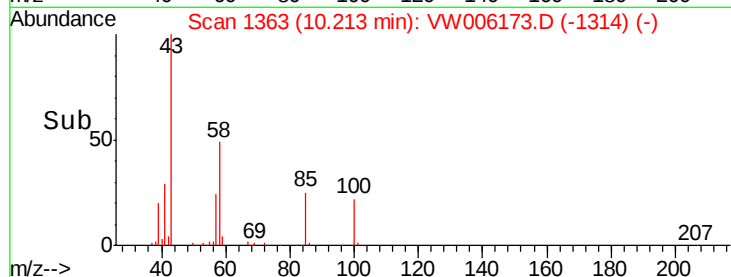
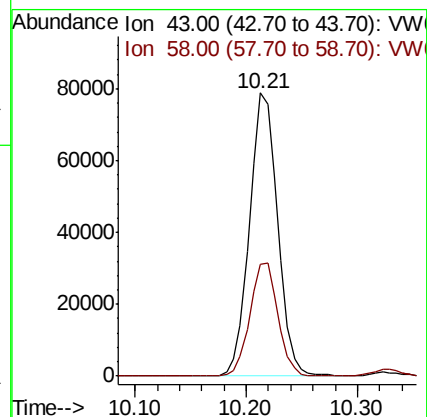
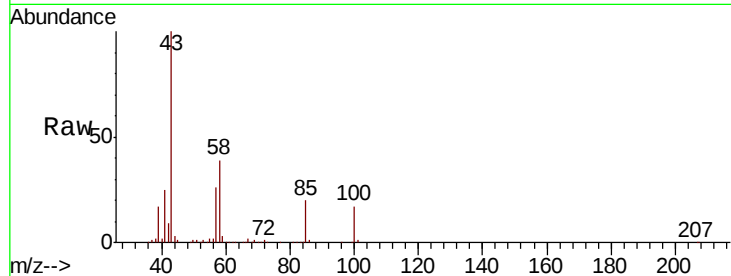
VW1018SBSD01

Tot Ion: 43 Resp: 139074

Ion Ratio Lower Upper

43 100

58 39.7 31.5 47.3



#52

Toluene

Concen: 21.179 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006173.D

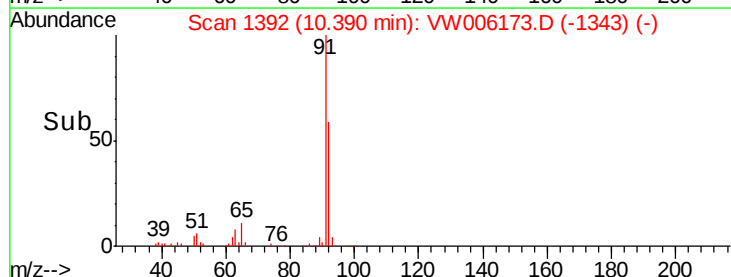
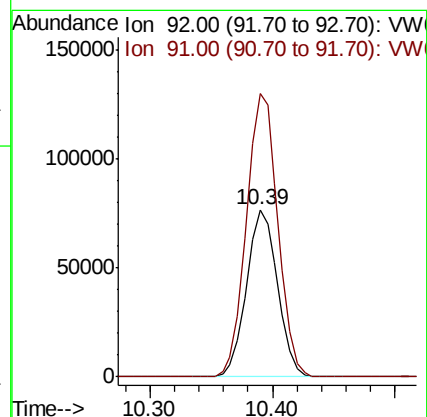
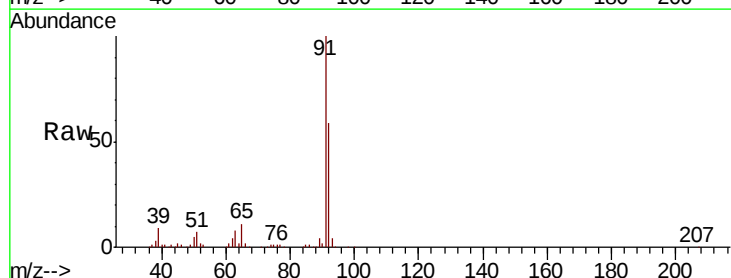
Acq: 18 Oct 2018 14:09

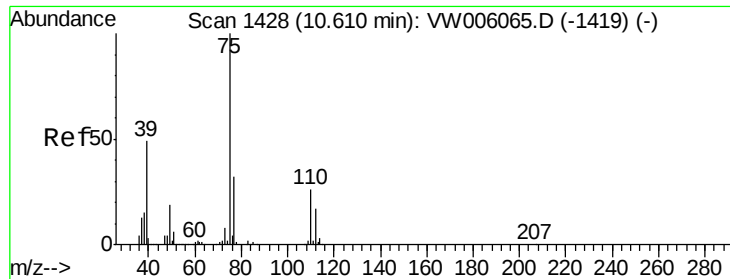
Tgt Ion: 92 Resp: 134647

Ion Ratio Lower Upper

92 100

91 172.3 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 19.240 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

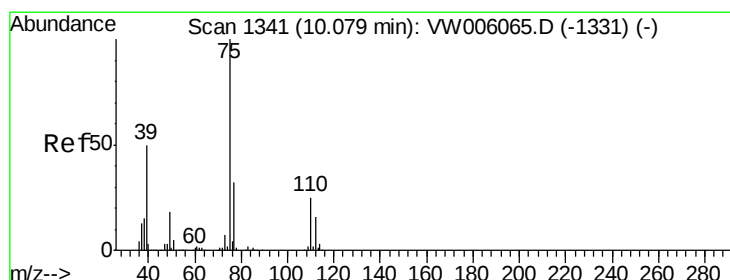
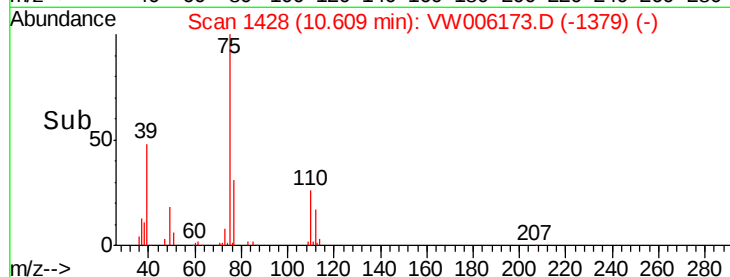
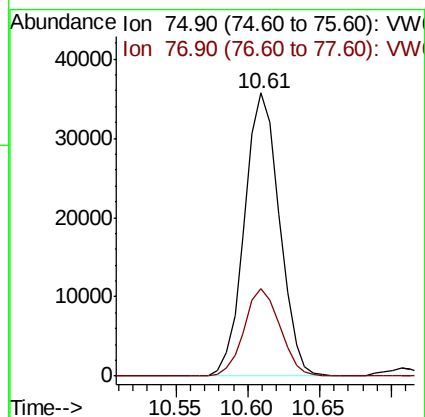
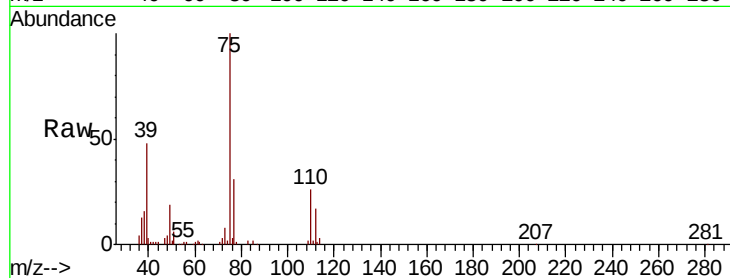
VW1018SBSD01

Tot Ion: 75 Resp: 60109

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.614 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

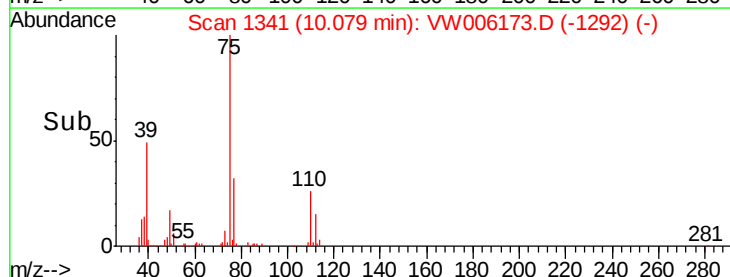
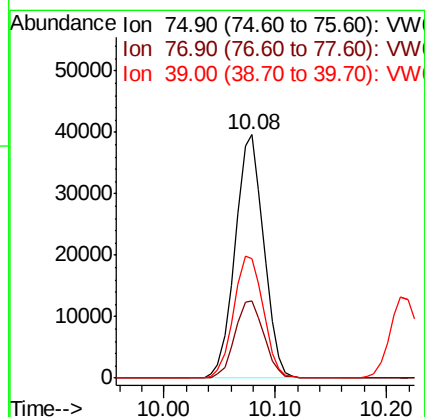
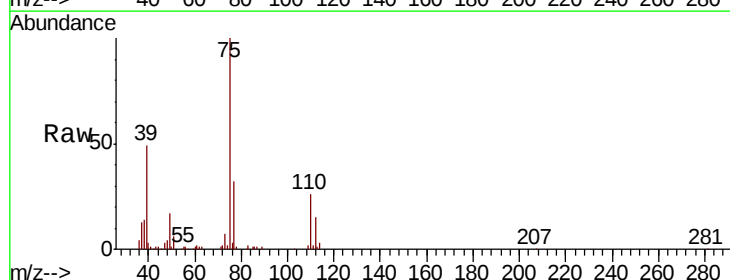
Tgt Ion: 75 Resp: 70327

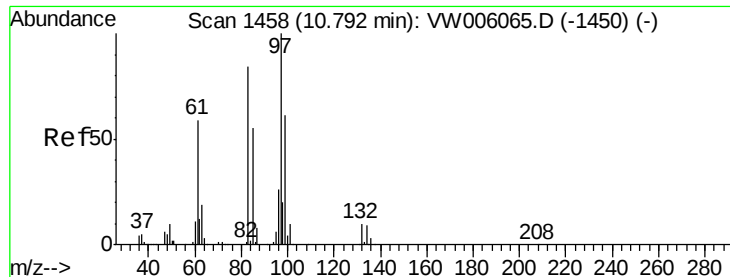
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 48.8 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 21.215 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBSD01

Tot Ion: 97 Resp: 38398

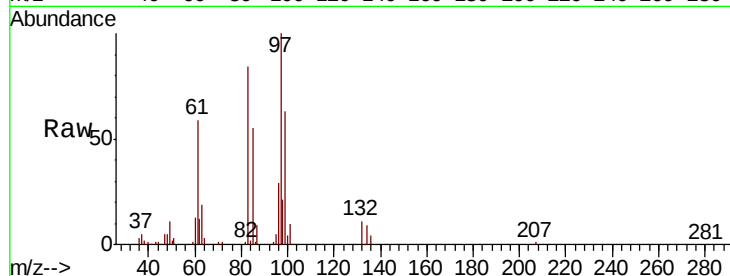
Ion Ratio Lower Upper

97 100

83 84.2 67.2 100.8

85 54.7 43.7 65.5

99 62.6 48.5 72.7

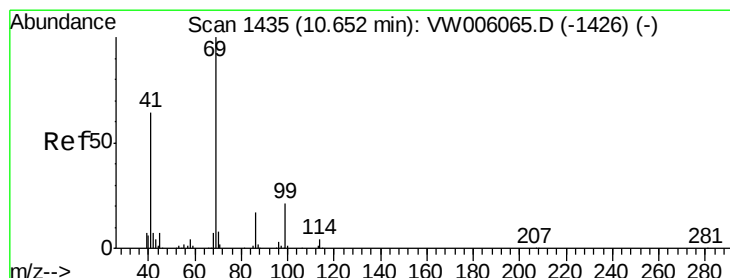
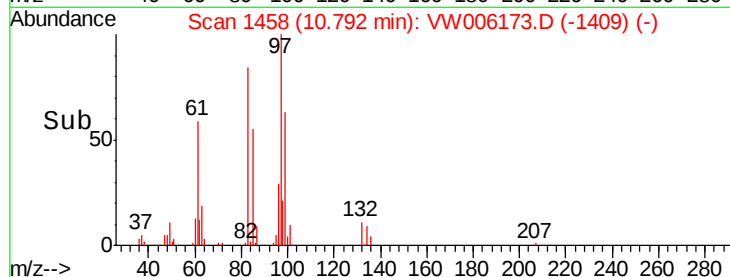
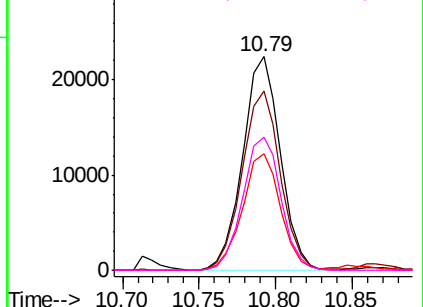


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.105 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

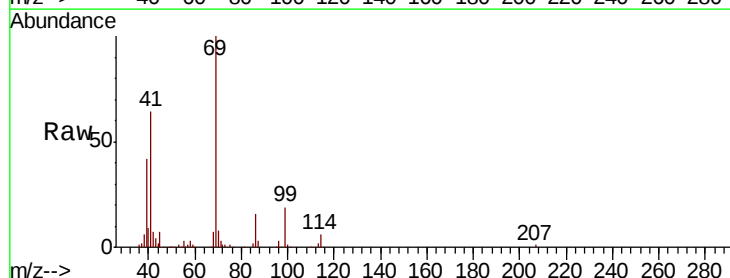
Tgt Ion: 69 Resp: 46829

Ion Ratio Lower Upper

69 100

41 62.8 52.8 79.2

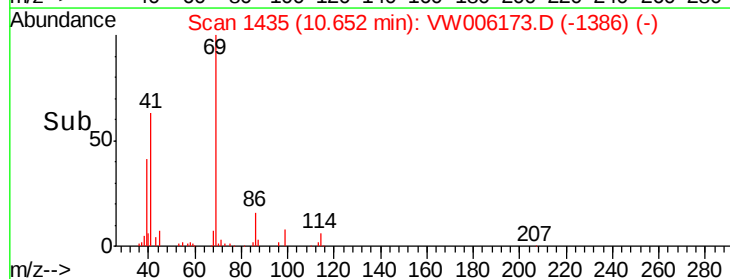
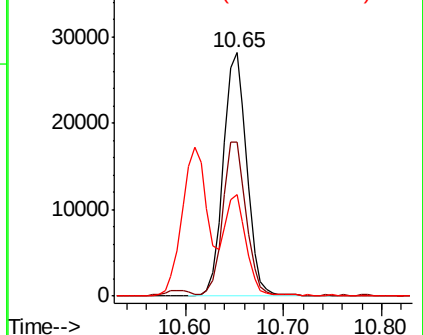
39 36.1 30.6 45.8

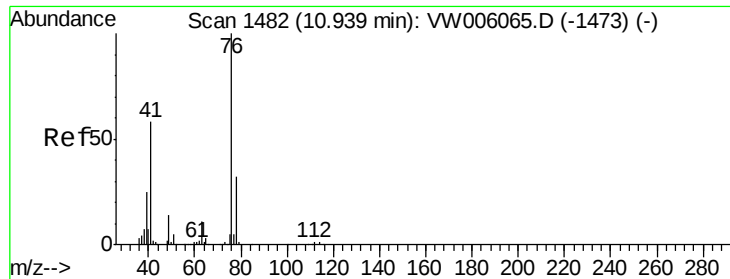


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

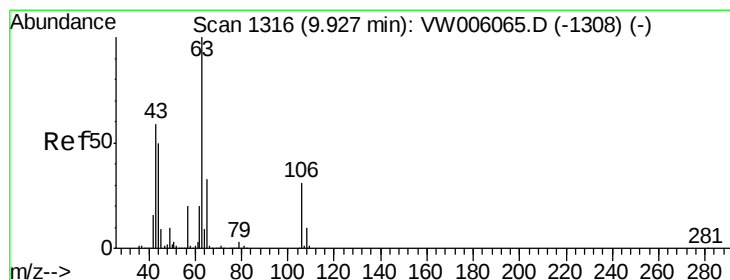
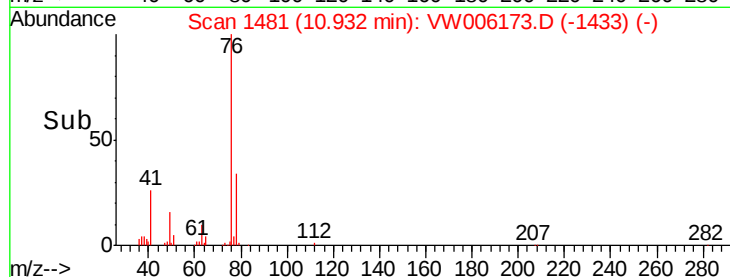
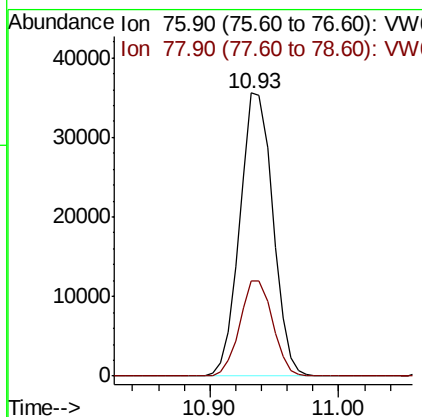
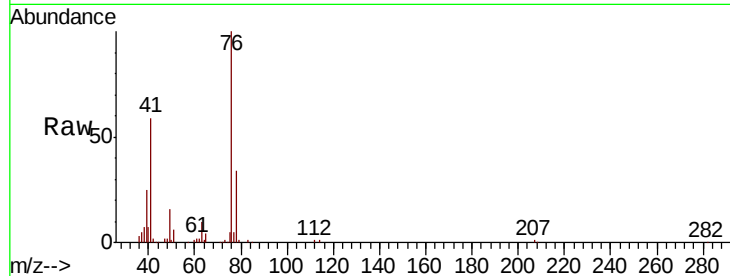




#57
 1,3-Dichloropropane
 Concen: 21.116 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

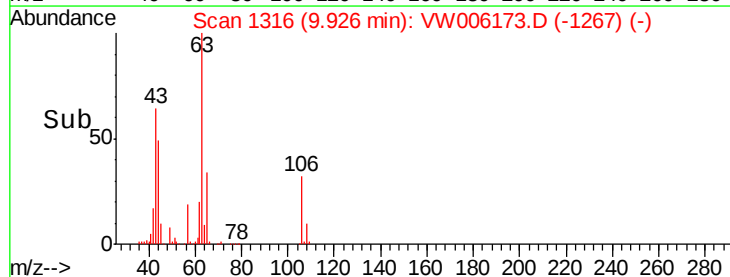
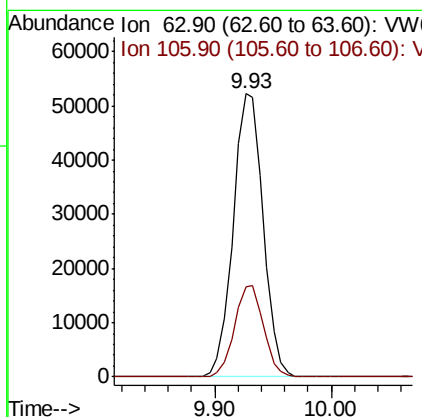
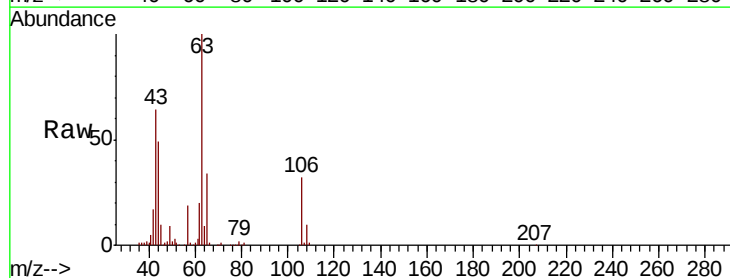
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBSD01

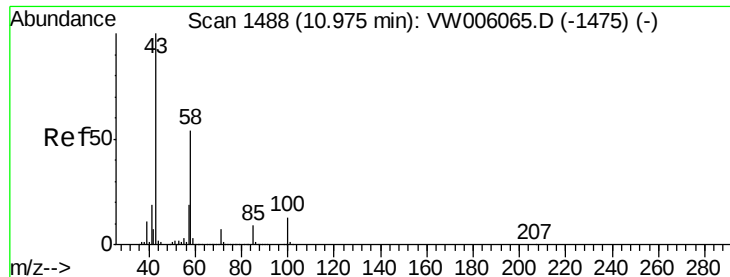
Tot Ion: 76 Resp: 63265
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.372 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Tgt Ion: 63 Resp: 93577
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.5 36.7

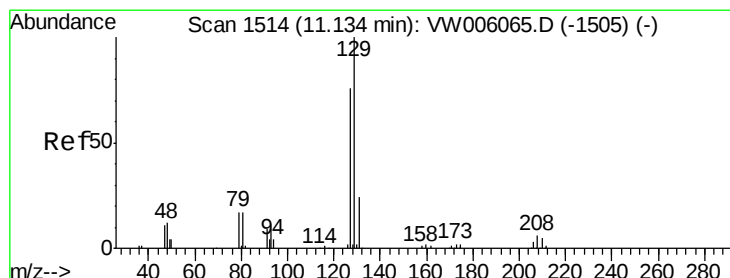
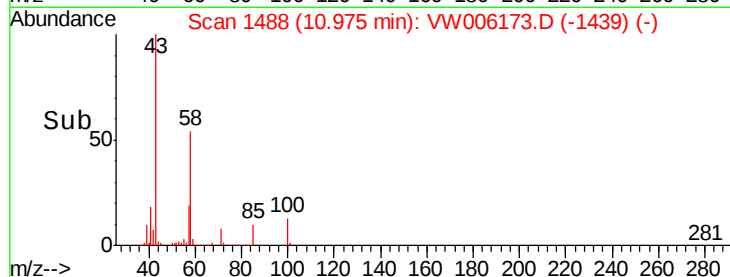
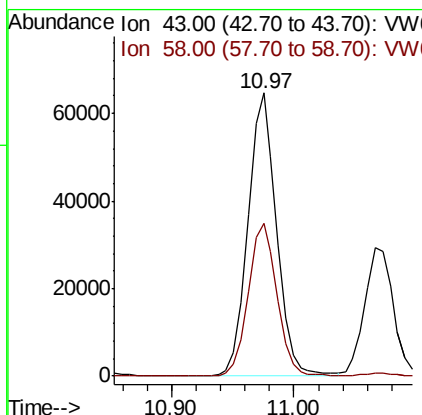
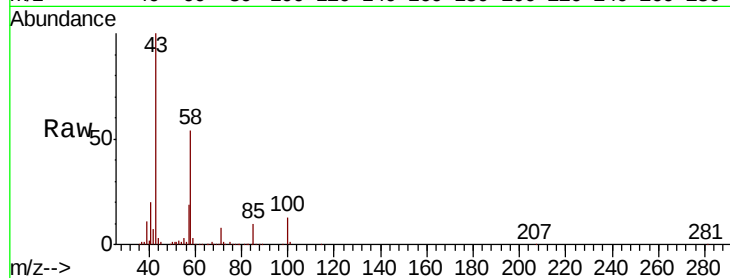




#59
2-Hexanone
Concen: 112.023 ug/l
RT: 10.97 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

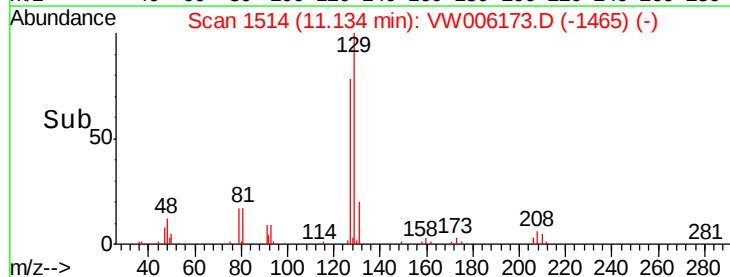
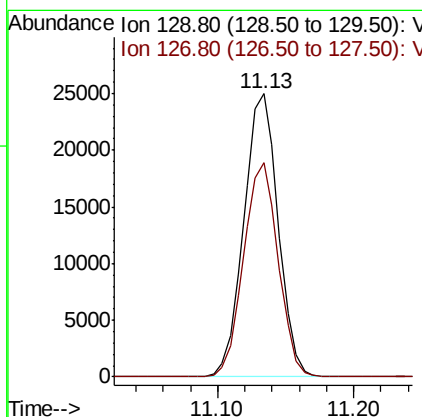
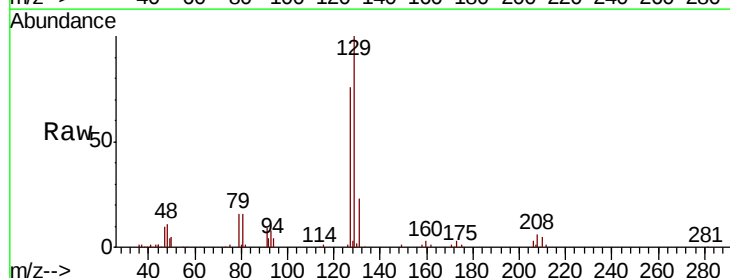
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

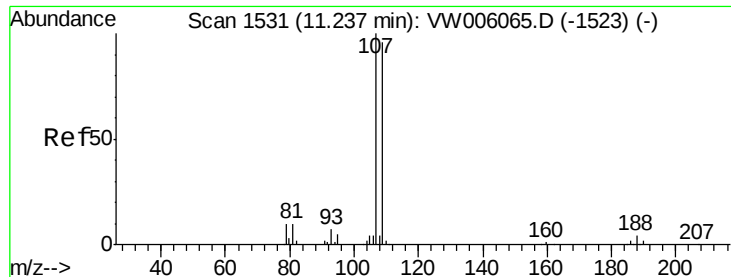
Tot Ion: 43 Resp: 105223
Ion Ratio Lower Upper
43 100
58 54.4 26.9 80.6



#60
Dibromochloromethane
Concen: 19.561 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 129 Resp: 44099
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.7

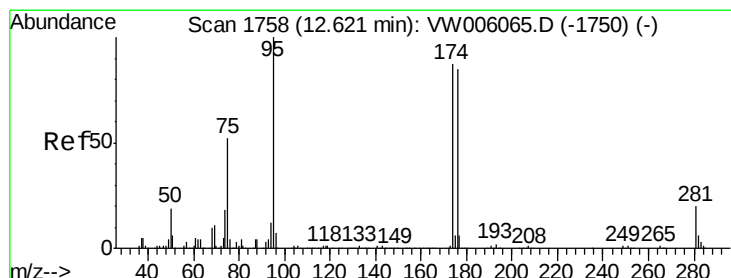
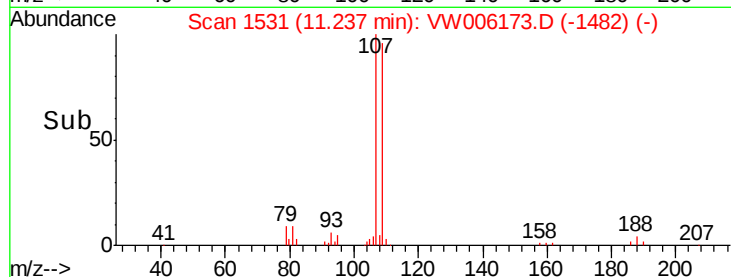
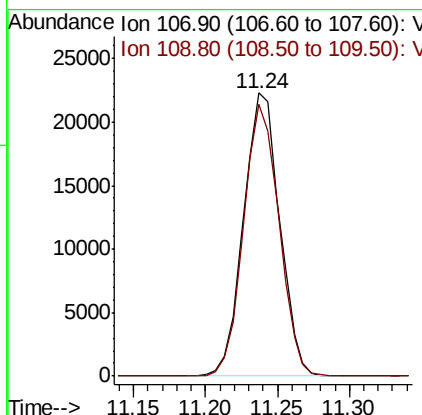
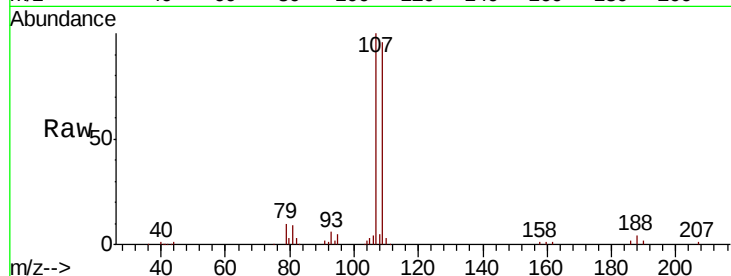




#61
 1,2-Dibromoethane
 Concen: 21.346 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

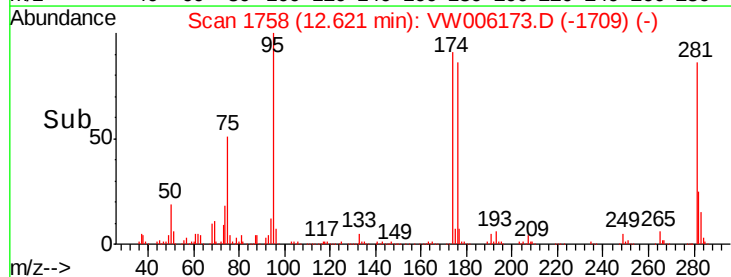
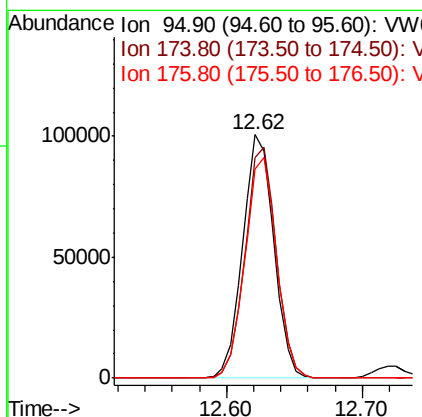
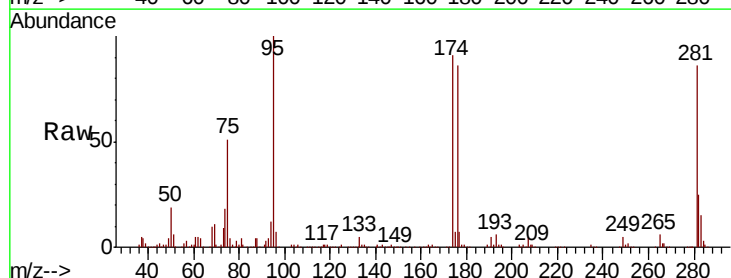
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBSD01

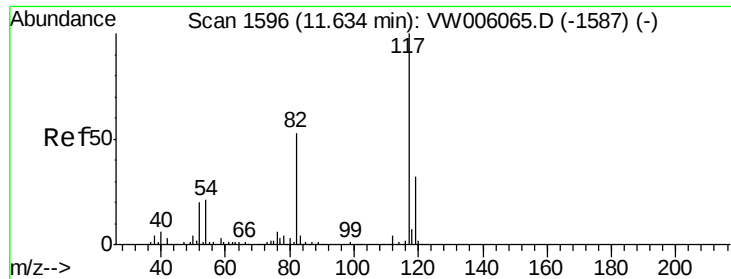
Tot Ion:107 Resp: 38602
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 50.965 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Tgt Ion: 95 Resp: 161400
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 186.0
 176 91.9 0.0 181.6

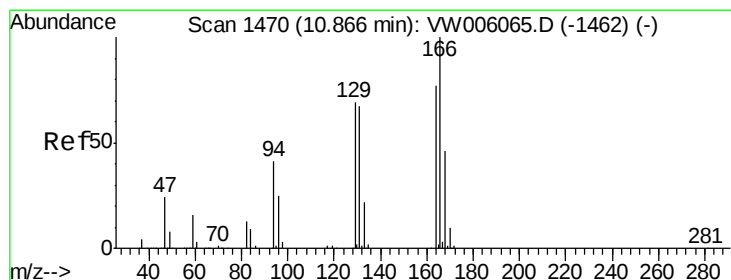
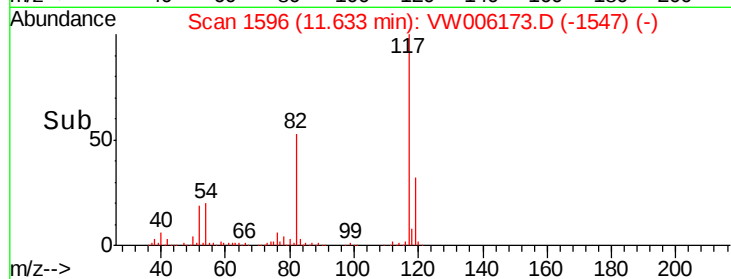
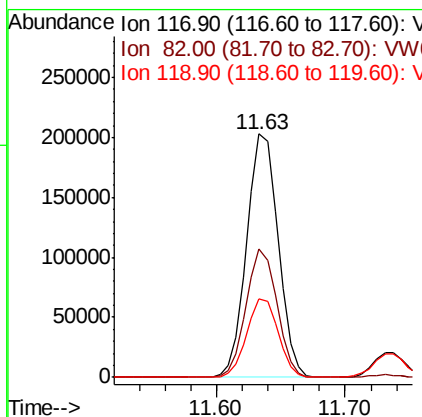
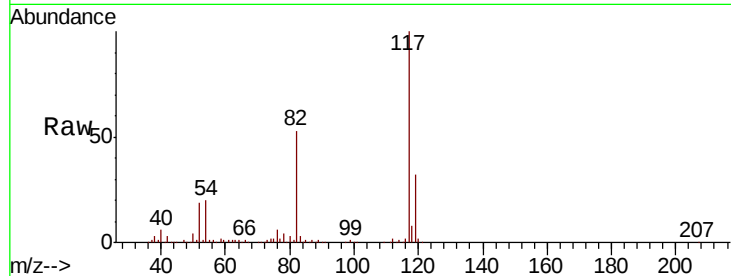




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

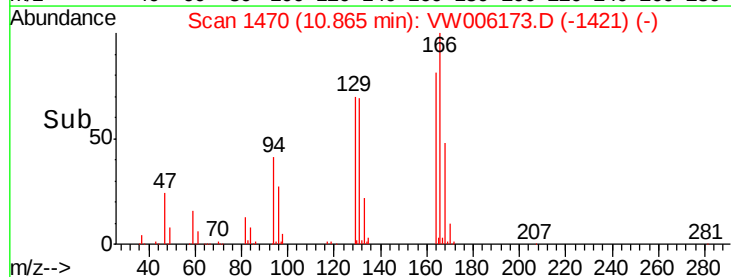
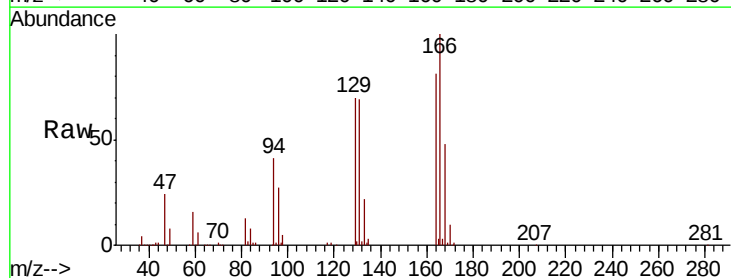
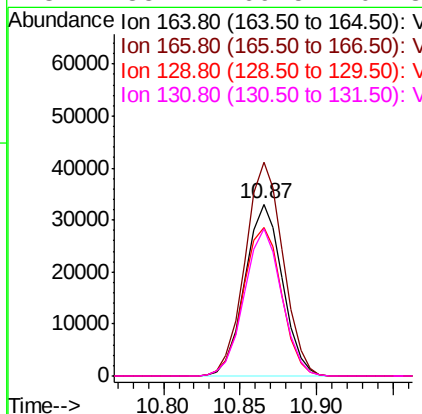
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

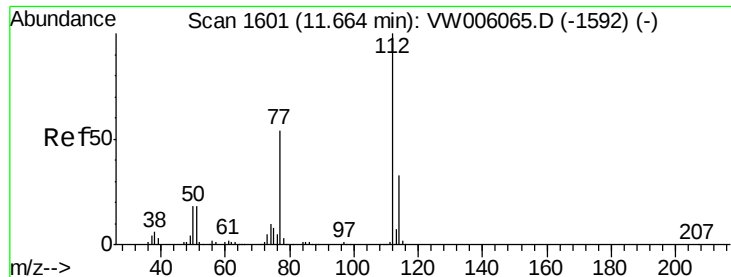
Tot Ion:117 Resp: 342811
Ion Ratio Lower Upper
117 100
82 52.7 42.1 63.1
119 32.3 25.8 38.6



#64
Tetrachloroethene
Concen: 21.166 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion:164 Resp: 56327
Ion Ratio Lower Upper
164 100
166 124.2 103.4 155.0
129 86.6 71.8 107.8
131 85.4 69.5 104.3





#65

Chlorobenzene

Concen: 21.234 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

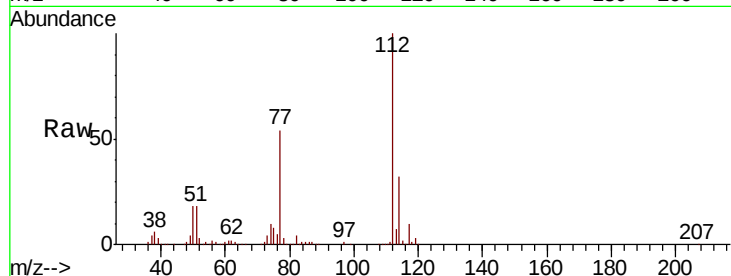
VW1018SBSD01

Tot Ion:112 Resp: 155826

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

100000

80000

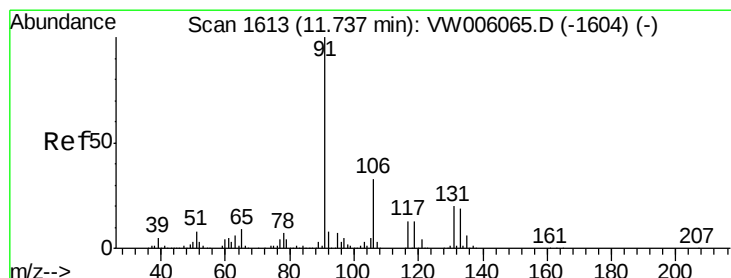
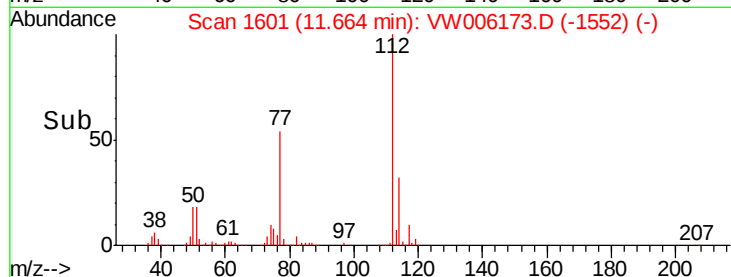
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.428 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

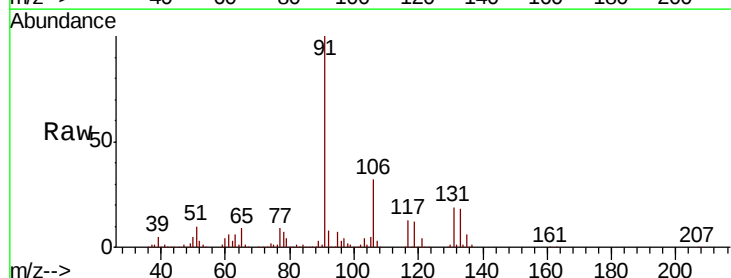
Tgt Ion:131 Resp: 53275

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.3

119 63.6 31.6 94.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

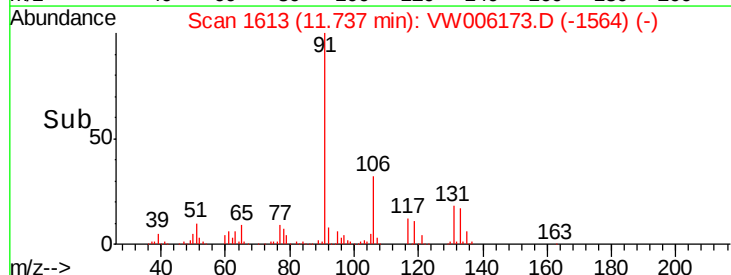
60000

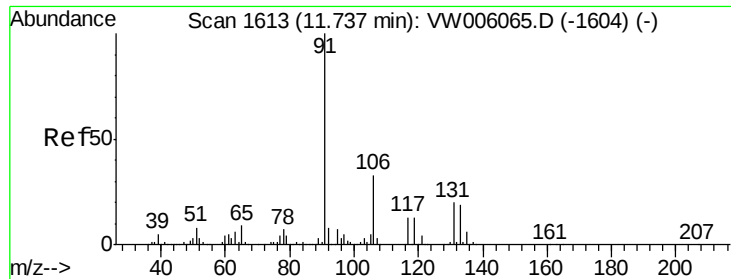
40000

20000

0

Time-->

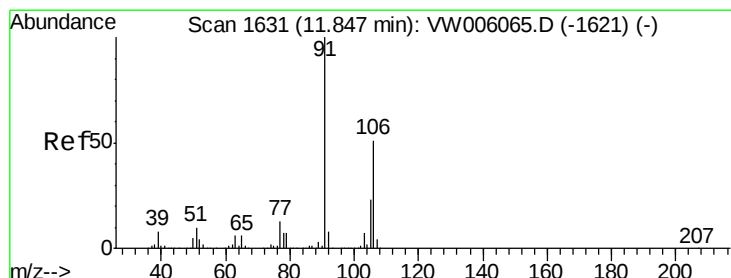
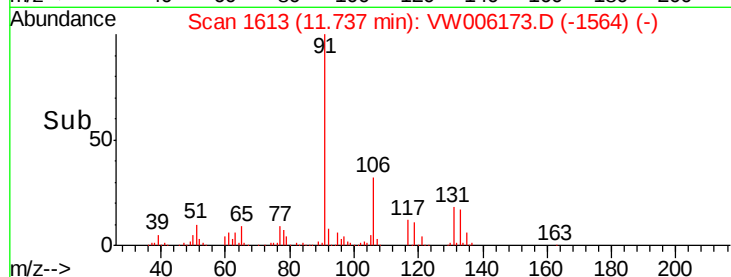
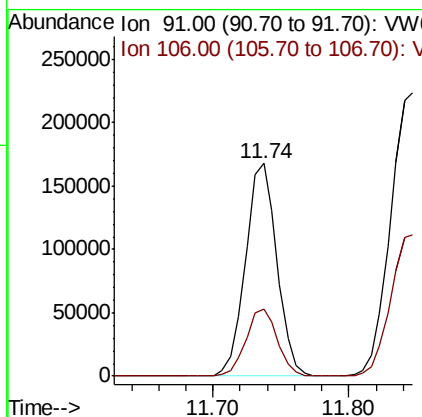
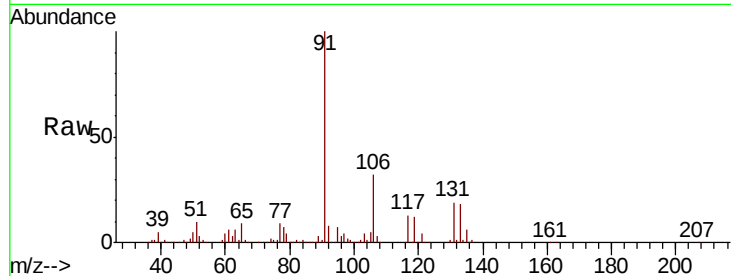




#67
Ethyl Benzene
Concen: 21.335 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

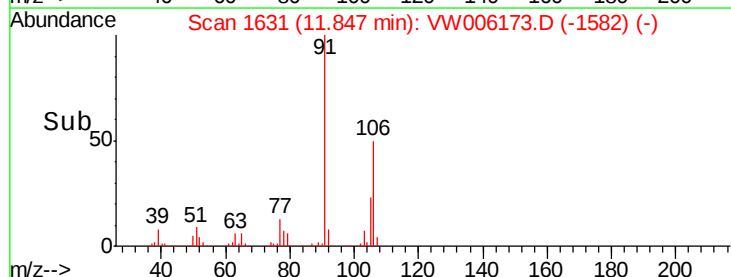
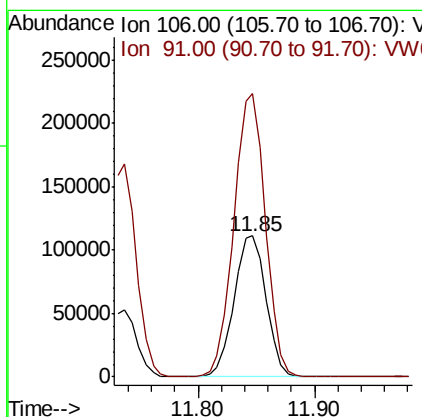
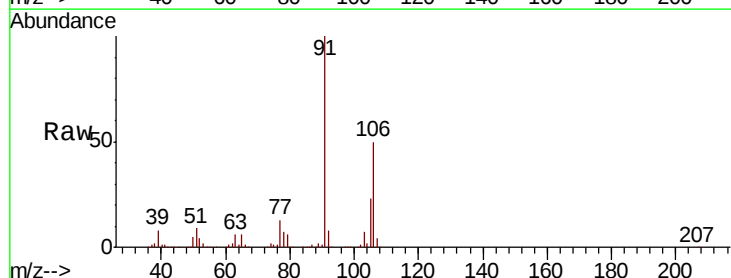
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

Tot Ion: 91 Resp: 271339
Ion Ratio Lower Upper
91 100
106 31.7 26.1 39.1



#68
m/p-Xylenes
Concen: 42.310 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 106 Resp: 212686
Ion Ratio Lower Upper
106 100
91 198.0 159.1 238.7

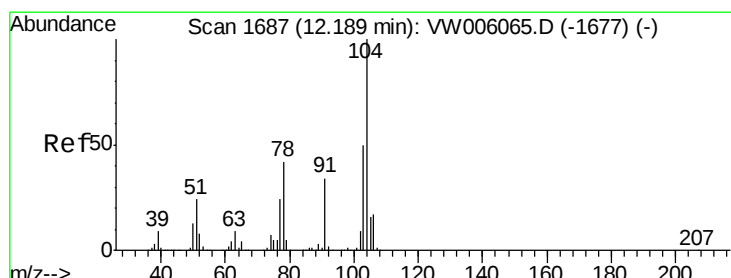
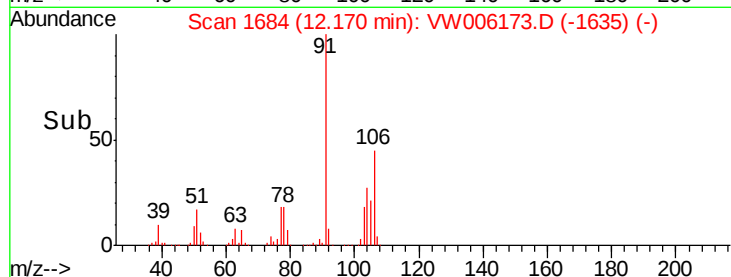
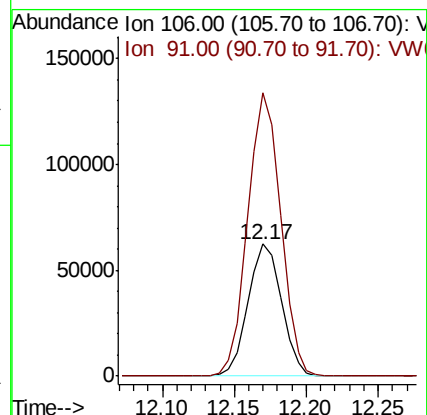
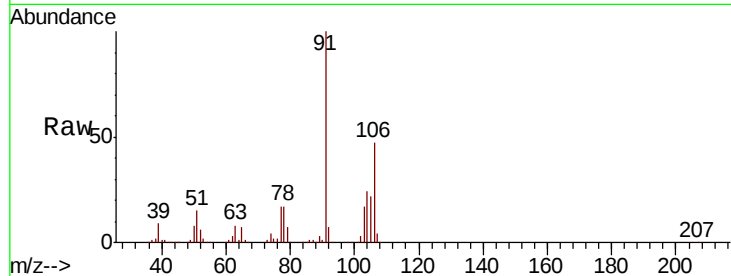




#69
o-Xylene
Concen: 21.008 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

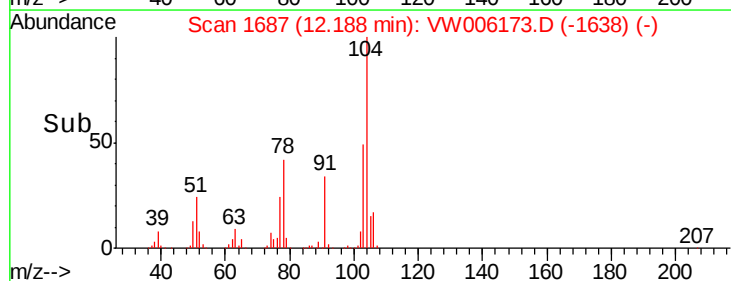
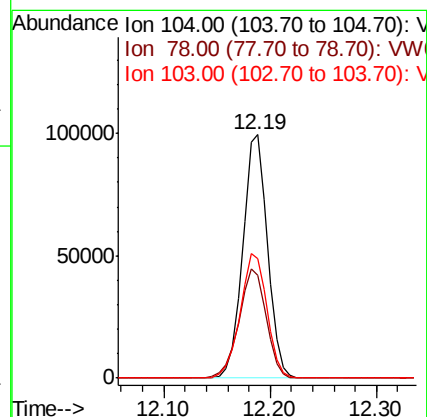
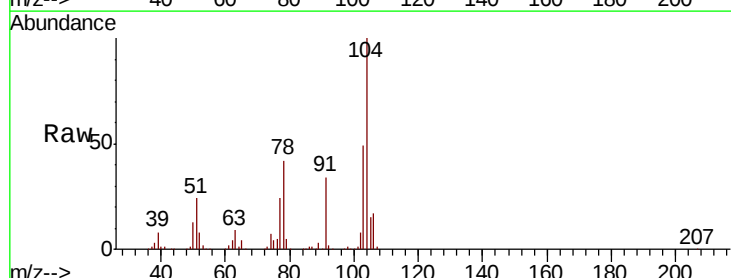
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

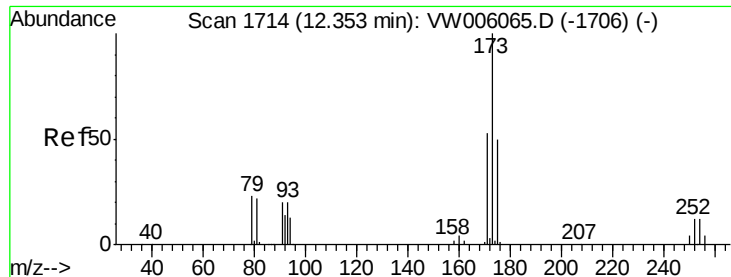
Tot Ion:106 Resp: 100645
Ion Ratio Lower Upper
106 100
91 210.8 105.4 316.1



#70
Styrene
Concen: 20.797 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion:104 Resp: 162018
Ion Ratio Lower Upper
104 100
78 49.4 39.1 58.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 18.646 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBSD01

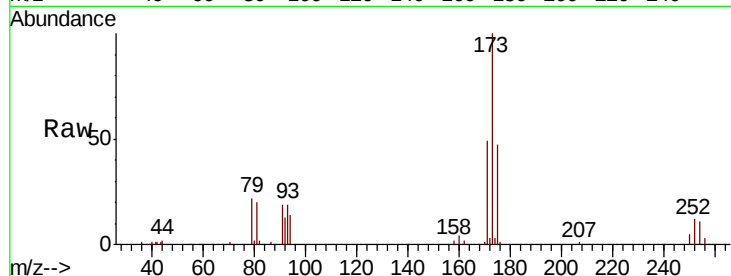
Tot Ion:173 Resp: 27123

Ion Ratio Lower Upper

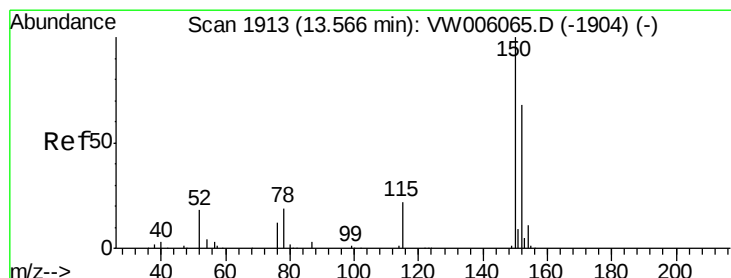
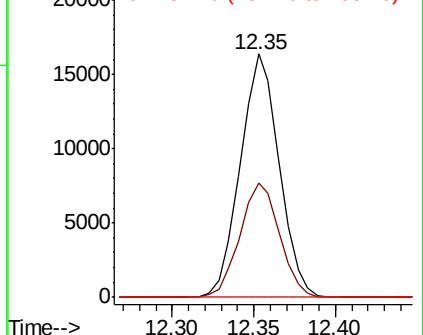
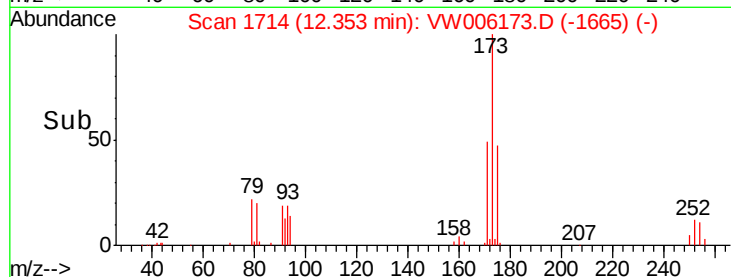
173 100

175 48.0 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

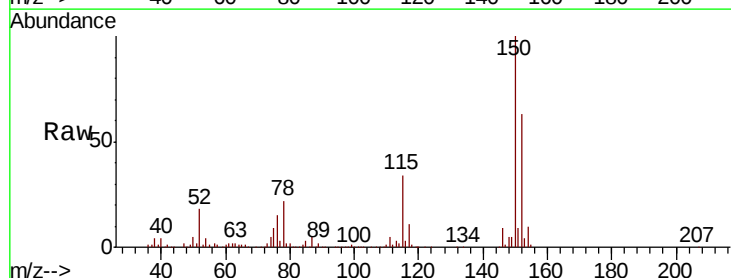
Tgt Ion:152 Resp: 191139

Ion Ratio Lower Upper

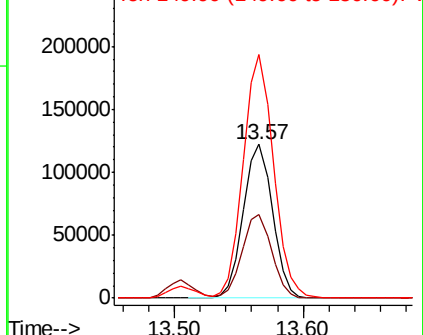
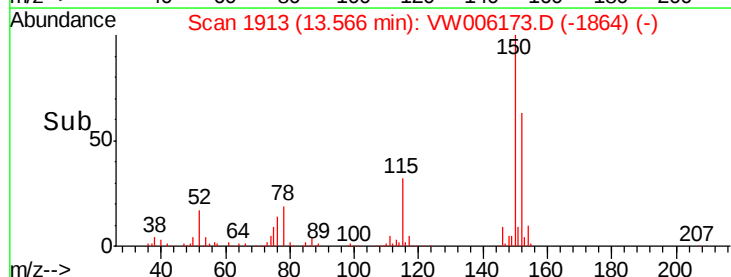
152 100

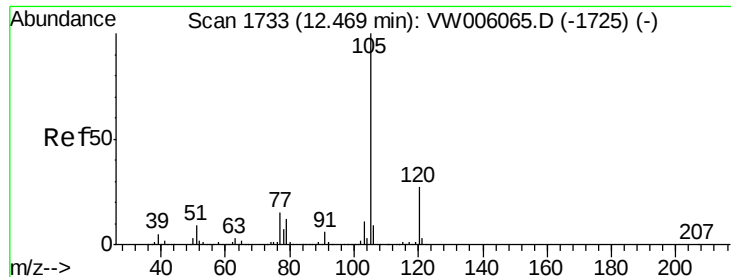
115 55.3 27.8 83.3

150 164.5 0.0 349.2



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

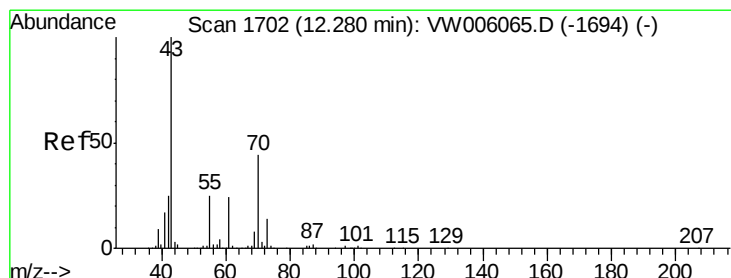
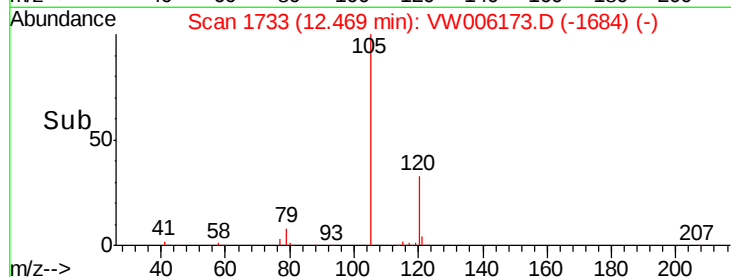
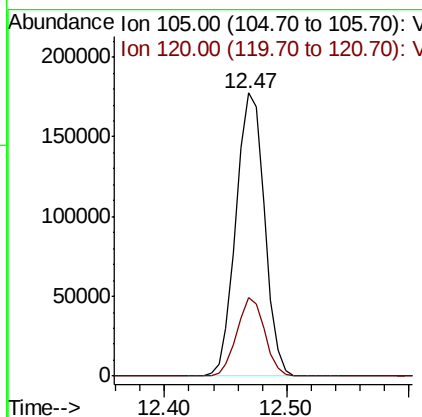
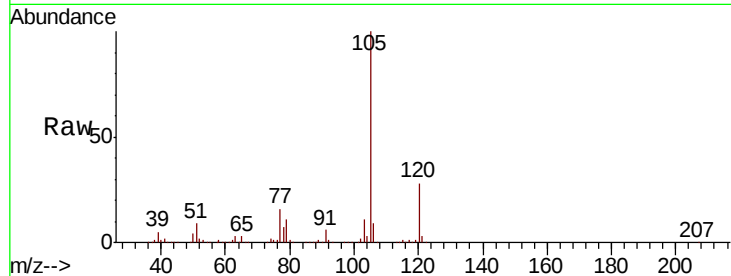




#73
Isopropylbenzene
Concen: 21.223 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

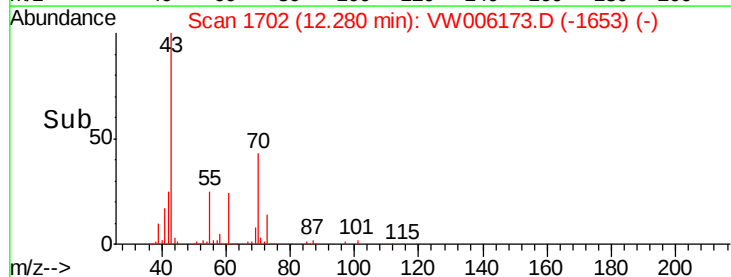
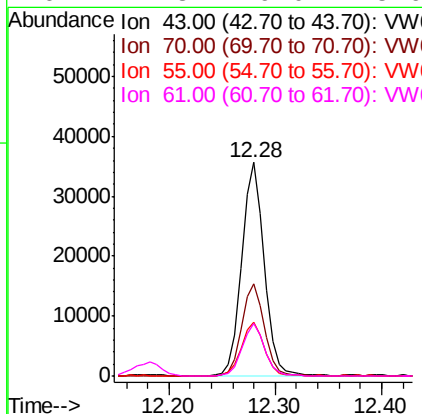
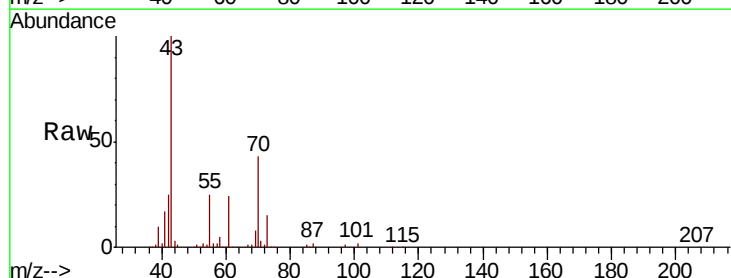
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

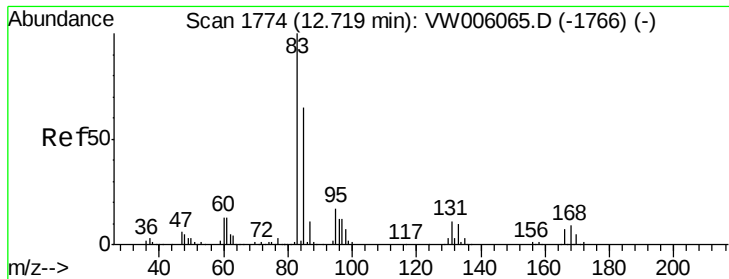
Tot Ion:105 Resp: 286584
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.7



#74
N-ethyl acetate
Concen: 20.294 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 43 Resp: 53226
Ion Ratio Lower Upper
43 100
70 43.1 34.2 51.4
55 25.3 19.2 28.8
61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.451 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBSD01

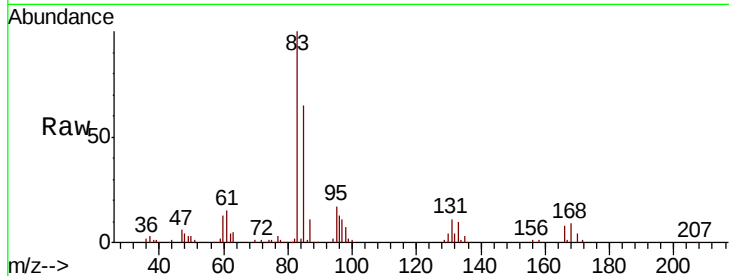
Tot Ion: 83 Resp: 44056

Ion Ratio Lower Upper

83 100

131 12.2 5.9 17.7

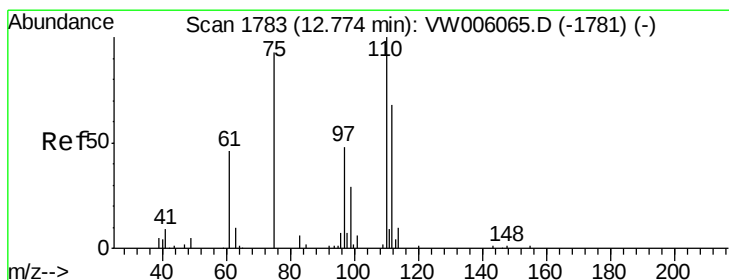
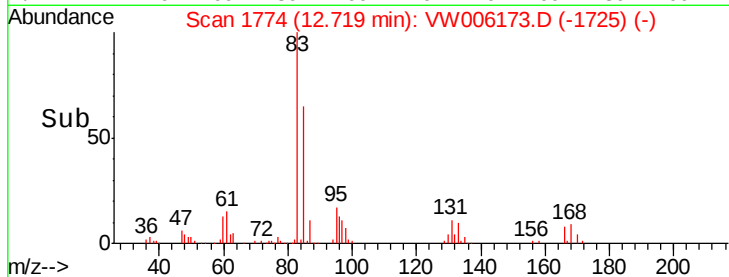
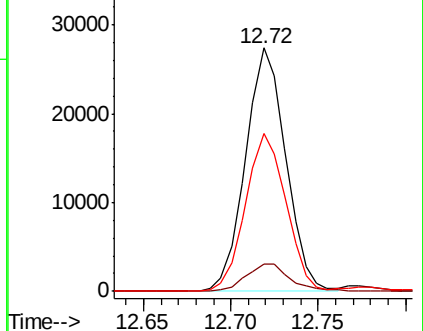
85 64.9 31.9 95.9



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: 38.642 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006173.D

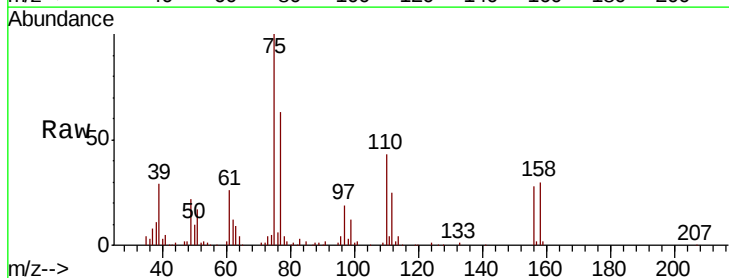
Acq: 18 Oct 2018 14:09

Tgt Ion: 75 Resp: 56414

Ion Ratio Lower Upper

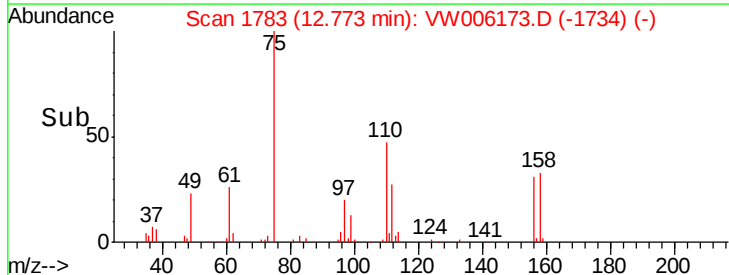
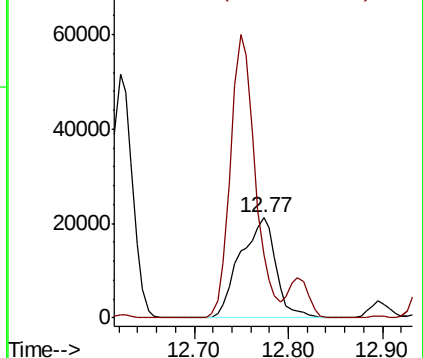
75 100

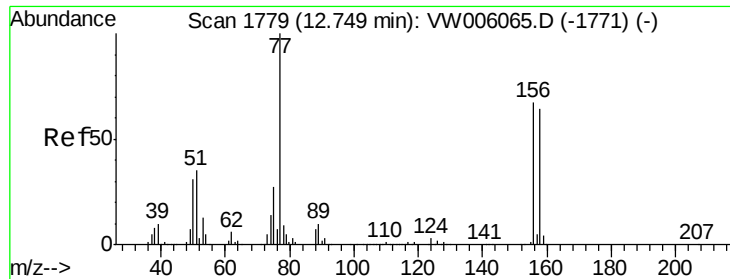
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

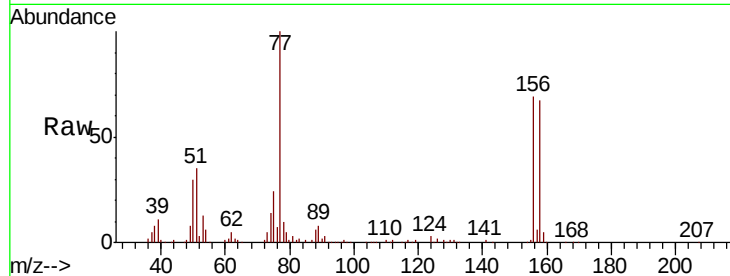




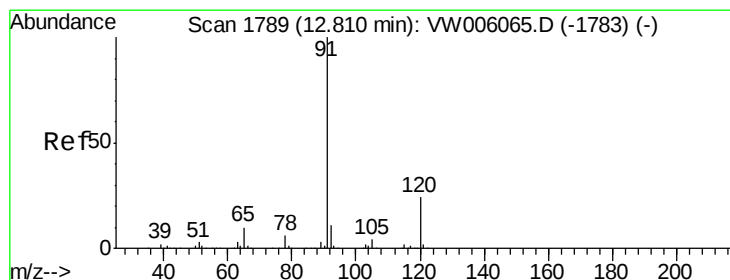
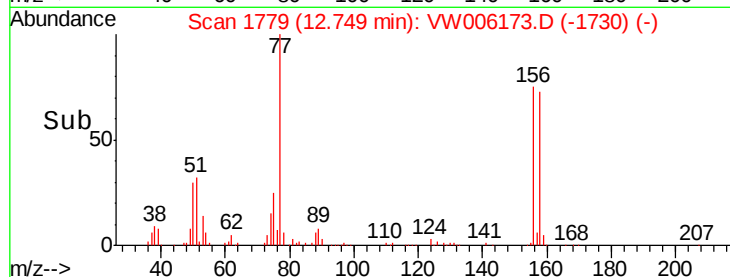
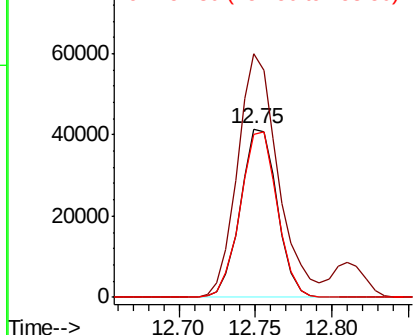
#77
Bromobenzene
Concen: 20.819 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

Tot Ion:156 Resp: 68857
Ion Ratio Lower Upper
156 100
77 160.2 79.1 237.4
158 99.2 48.5 145.6

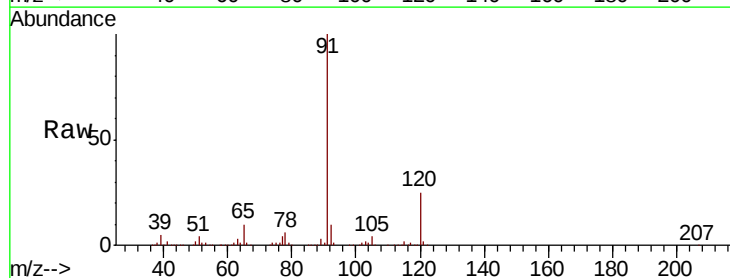


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

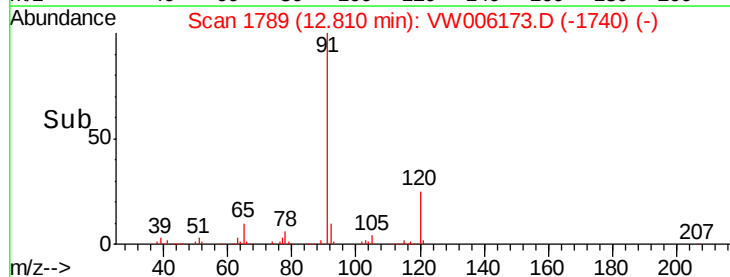
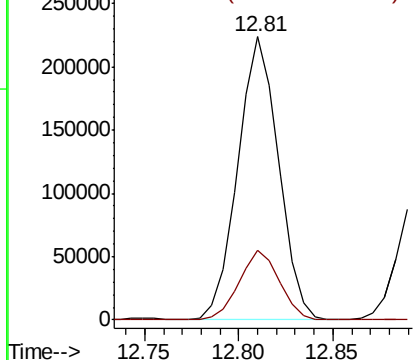


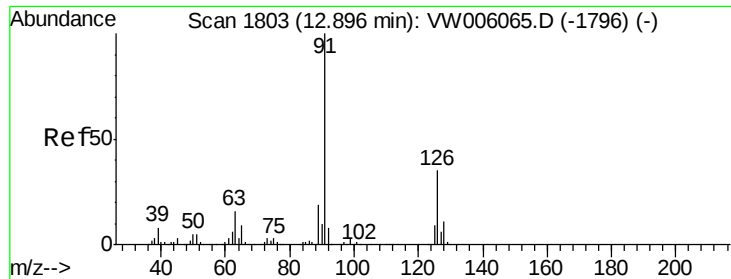
#78
n-propylbenzene
Concen: 21.275 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion: 91 Resp: 334226
Ion Ratio Lower Upper
91 100
120 24.3 12.2 36.6



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





#79

2-Chlorotoluene

Concen: 21.100 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

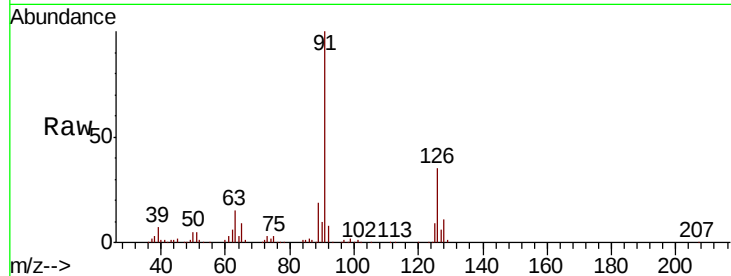
VW1018SBS01

Tot Ion: 91 Resp: 186249

Ion Ratio Lower Upper

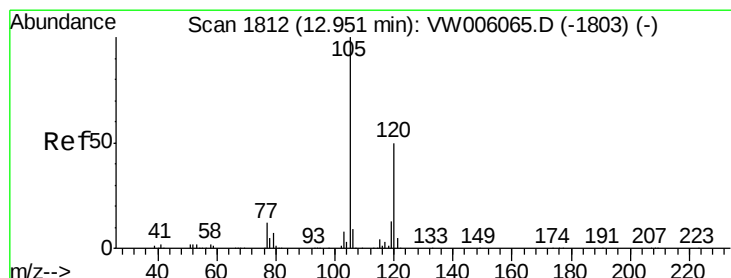
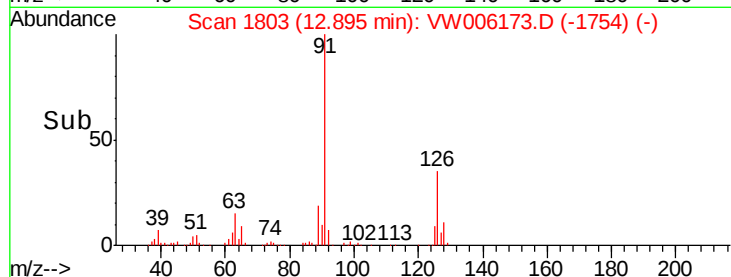
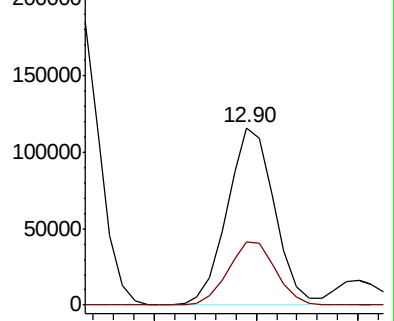
91 100

126 36.2 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.064 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006173.D

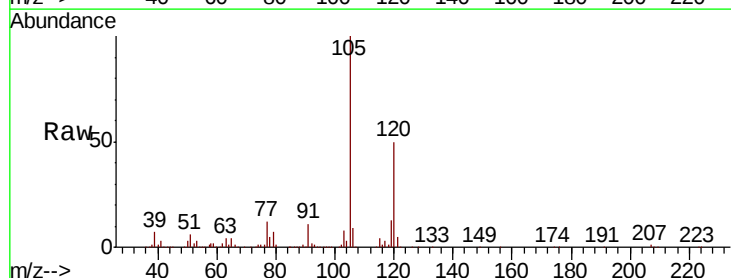
Acq: 18 Oct 2018 14:09

Tgt Ion:105 Resp: 239786

Ion Ratio Lower Upper

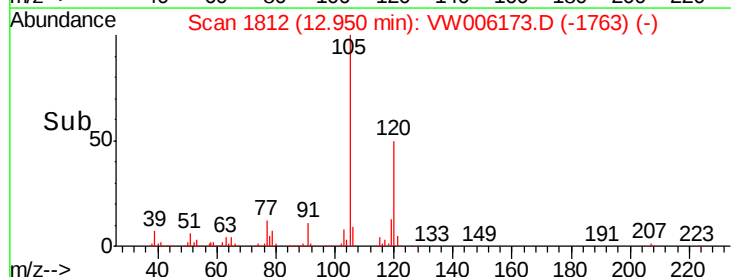
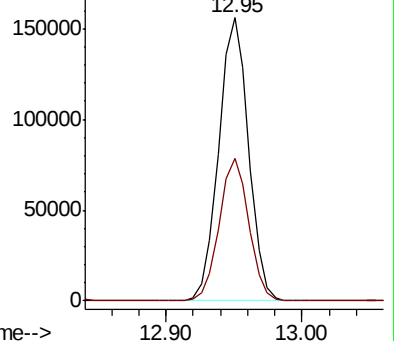
105 100

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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.425 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBSD01

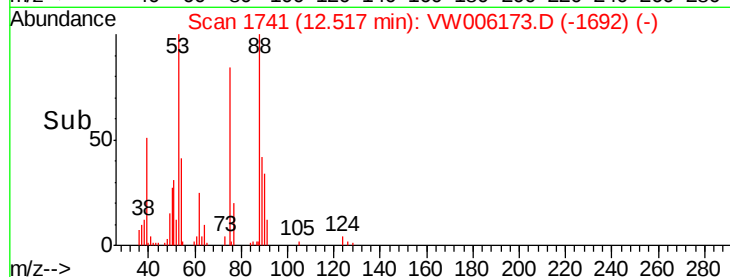
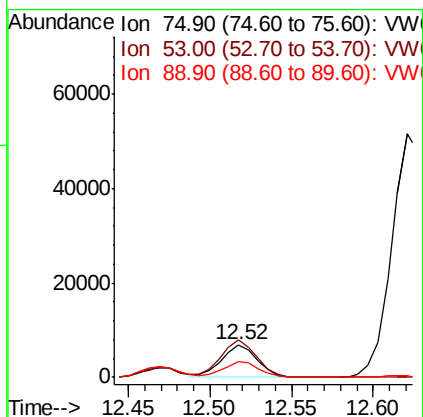
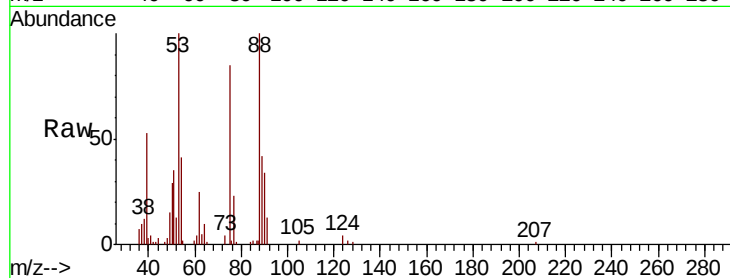
Tot Ion: 75 Resp: 10642

Ion Ratio Lower Upper

75 100

53 113.5 79.8 119.6

89 46.6 37.5 56.3



#82

4-Chlorotoluene

Concen: 21.046 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006173.D

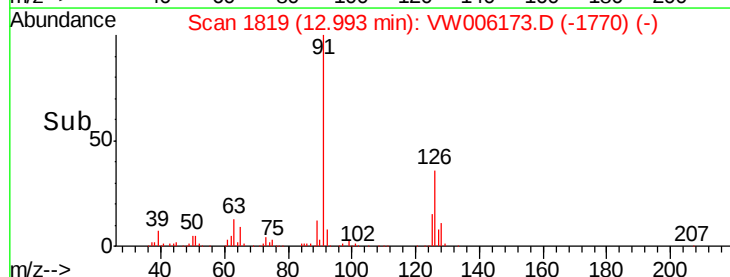
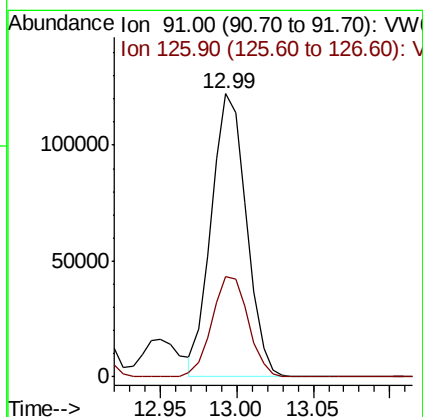
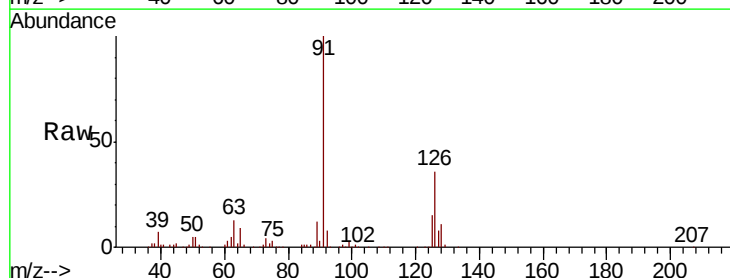
Acq: 18 Oct 2018 14:09

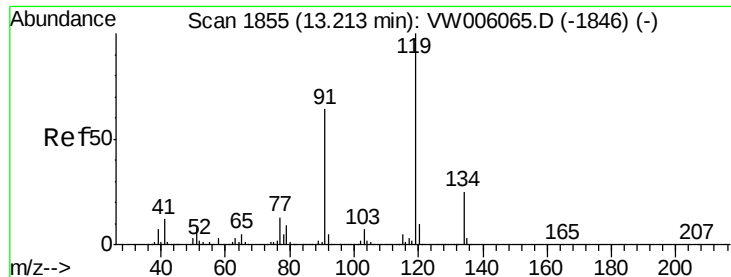
Tgt Ion: 91 Resp: 194599

Ion Ratio Lower Upper

91 100

126 36.9 18.1 54.3

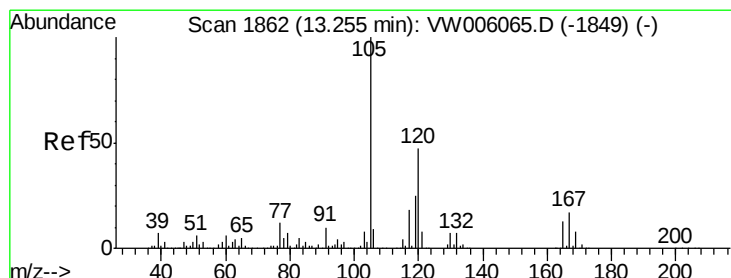
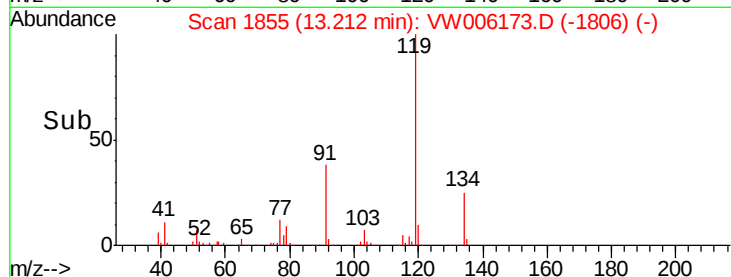
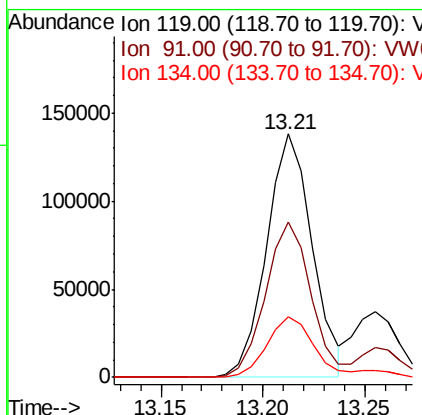
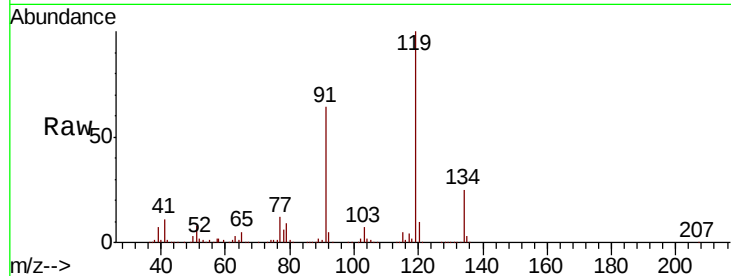




#83
tert-Butylbenzene
Concen: 21.152 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

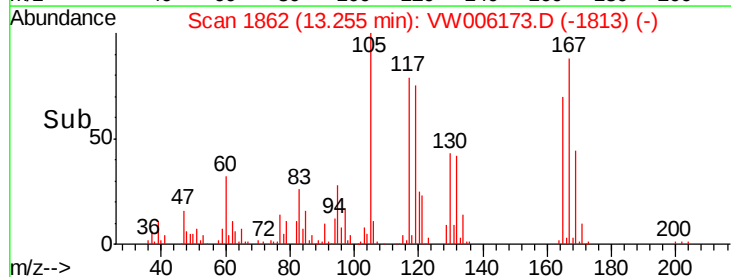
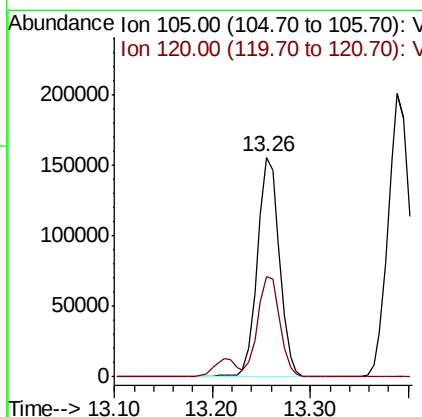
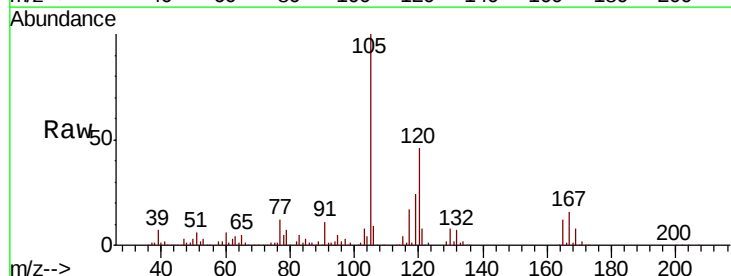
Instrument :
MSVOA_W
ClientSampleId :
VW1018SBS01

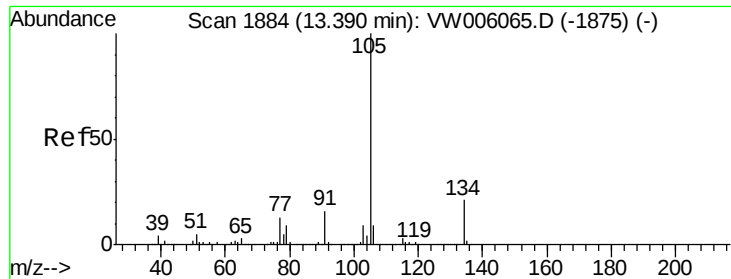
Tot Ion:119 Resp: 215435
Ion Ratio Lower Upper
119 100
91 64.4 32.3 96.9
134 25.4 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.152 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion:105 Resp: 243658
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 21.402 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

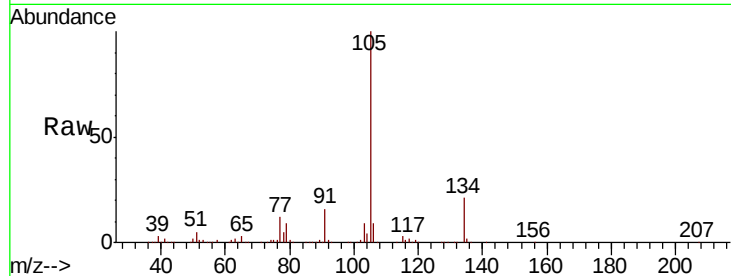
VW1018SBSD01

Tot Ion:105 Resp: 307943

Ion Ratio Lower Upper

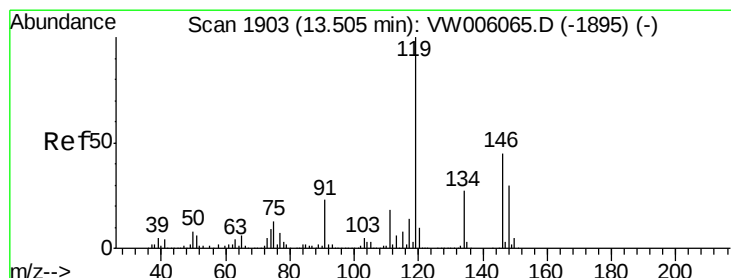
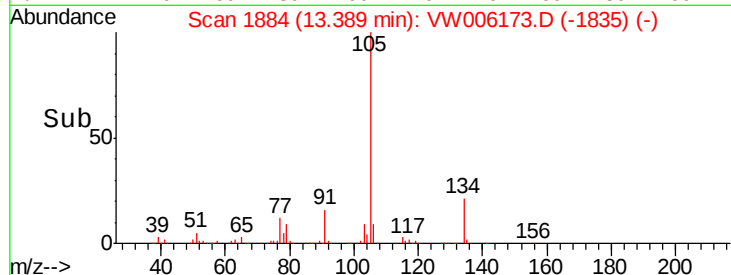
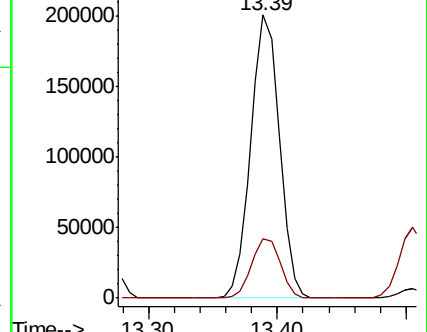
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.236 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

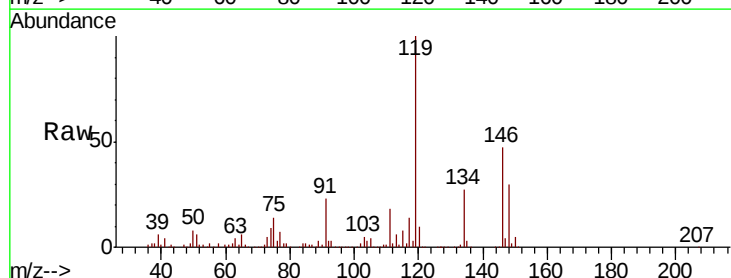
Tgt Ion:119 Resp: 276383

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

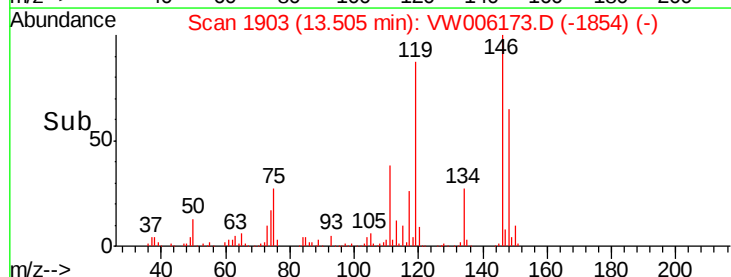
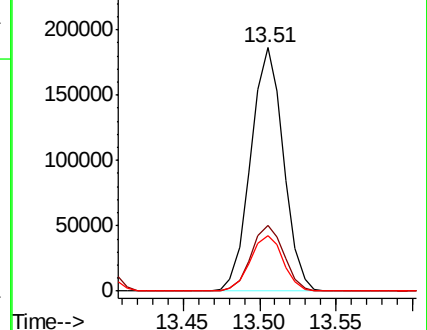
91 23.0 11.4 34.1

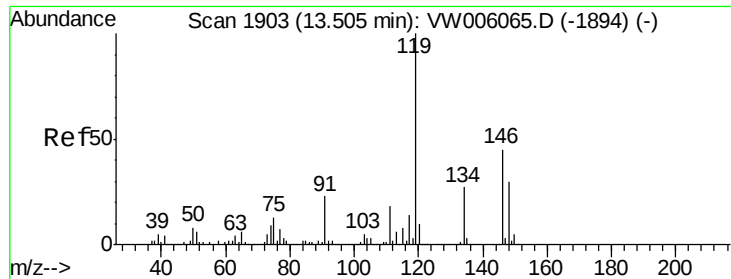


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

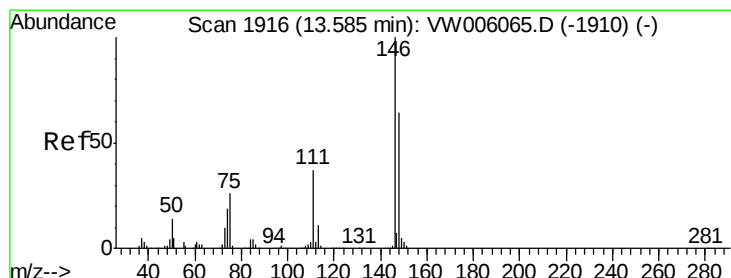
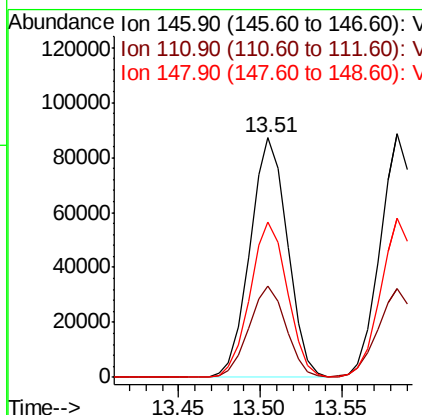
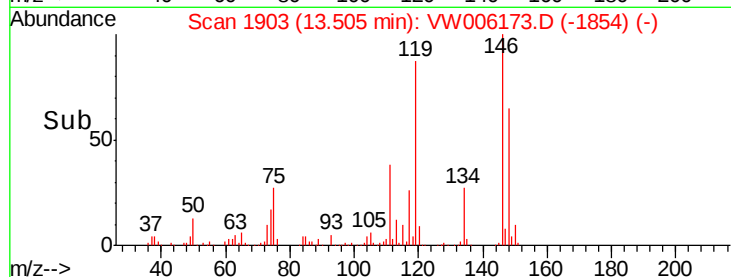
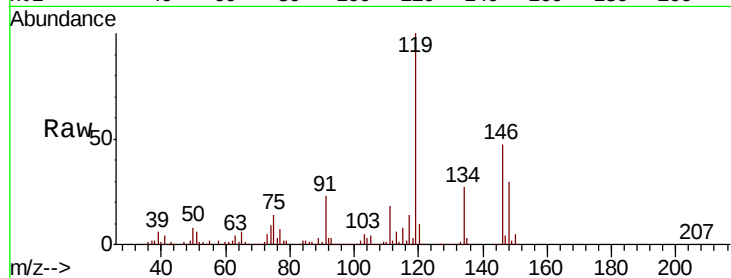




#87
 1,3-Dichlorobenzene
 Concen: 21.196 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

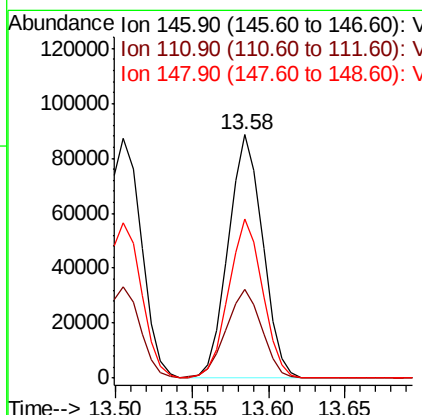
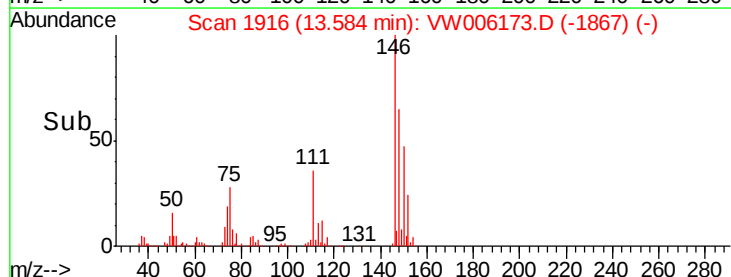
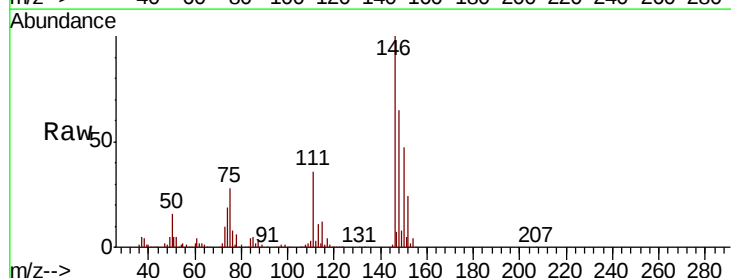
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

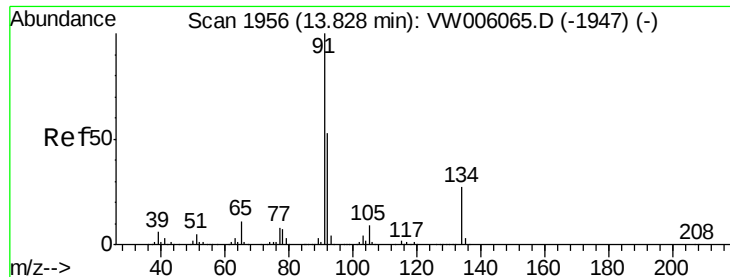
Tot Ion:146 Resp: 139520
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.5
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.095 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Tgt Ion:146 Resp: 138255
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 56.0
 148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 21.611 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

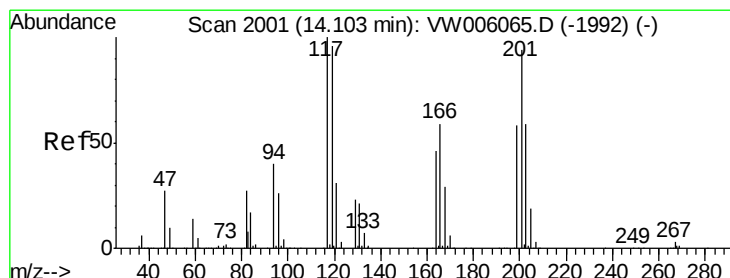
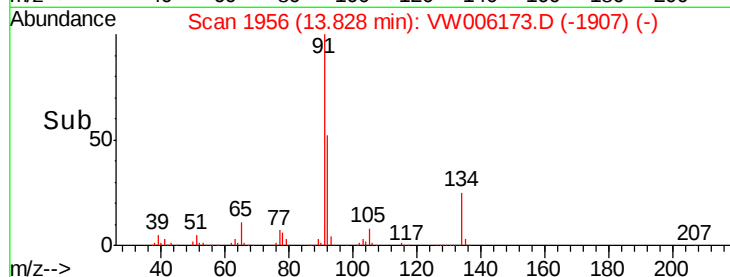
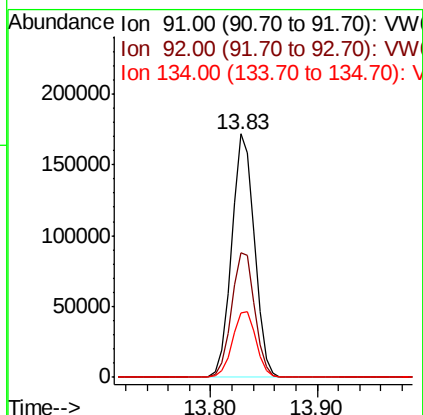
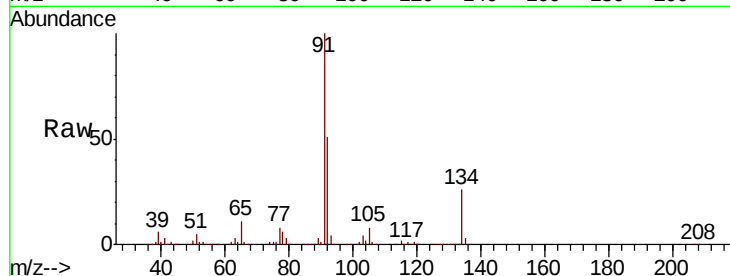
Tot Ion: 91 Resp: 257215

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.7

134 28.0 14.0 41.9



#90

Hexachloroethane

Concen: 18.523 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW006173.D

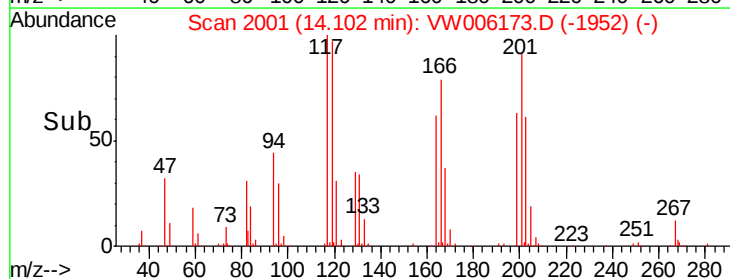
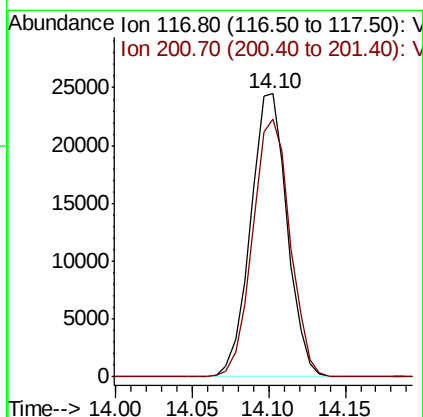
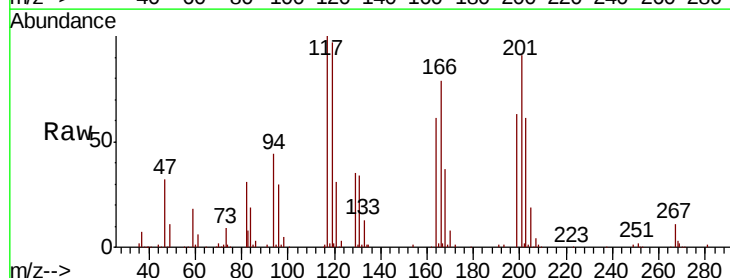
Acq: 18 Oct 2018 14:09

Tgt Ion: 117 Resp: 40834

Ion Ratio Lower Upper

117 100

201 93.1 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 21.119 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW1018SBS01

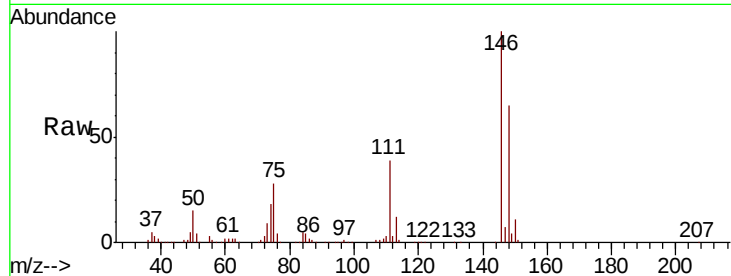
Tot Ion:146 Resp: 123998

Ion Ratio Lower Upper

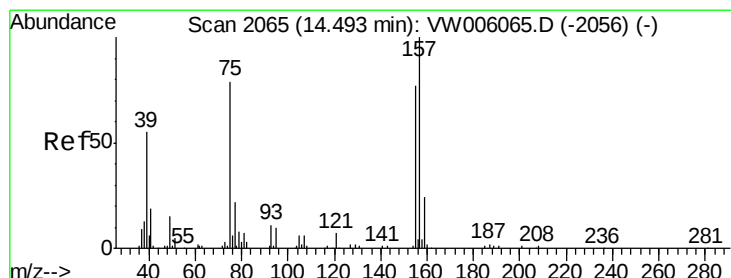
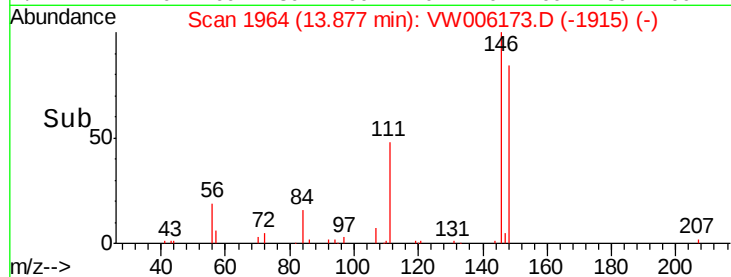
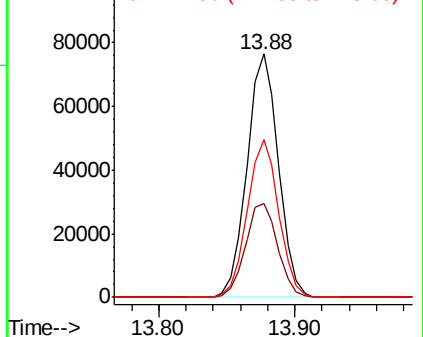
146 100

111 39.7 19.6 58.7

148 64.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.404 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006173.D

Acq: 18 Oct 2018 14:09

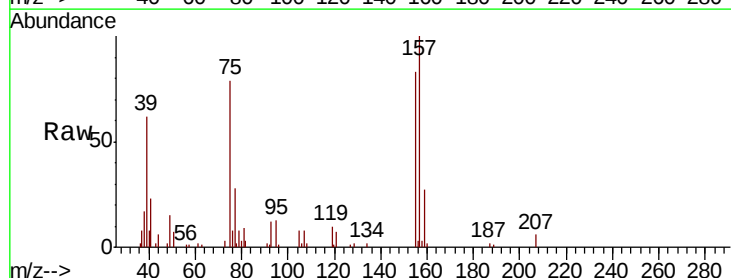
Tgt Ion: 75 Resp: 7135

Ion Ratio Lower Upper

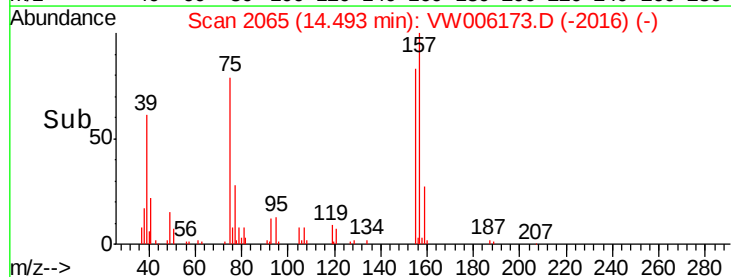
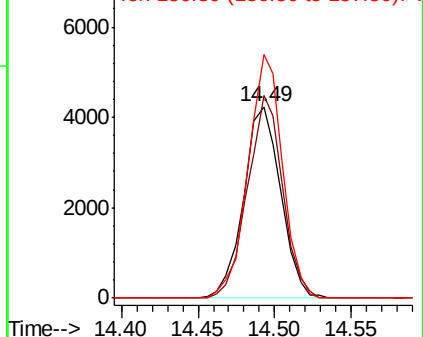
75 100

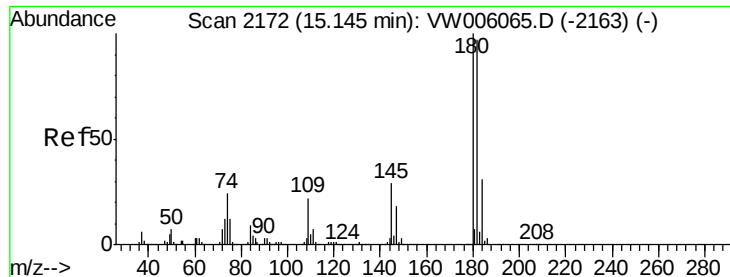
155 99.6 46.5 139.5

157 118.2 59.8 179.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

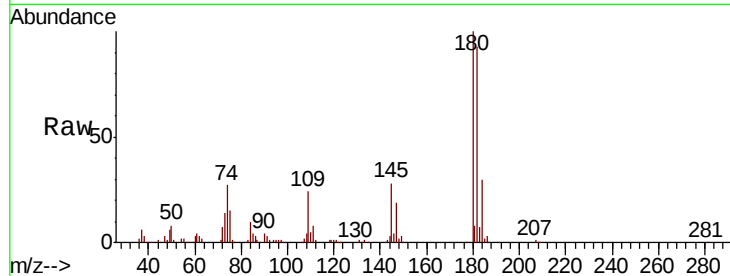




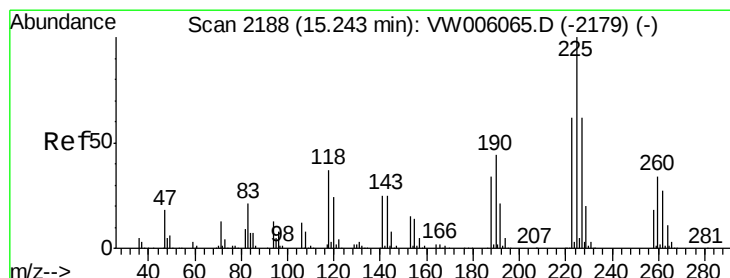
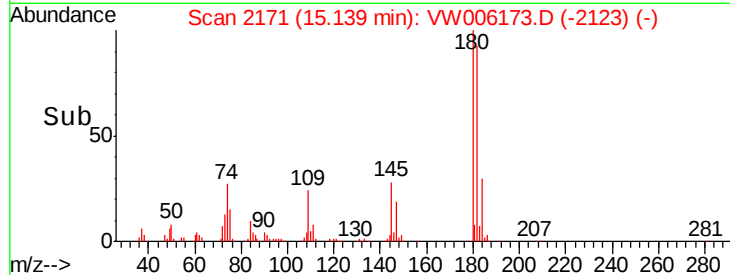
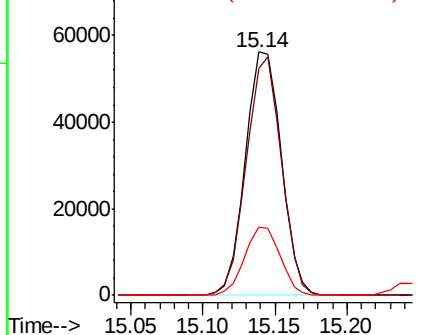
#93
 1,2,4-Trichlorobenzene
 Concen: 21.496 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBSD01

Tot Ion:180 Resp: 97115
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.6
 145 27.9 14.2 42.8

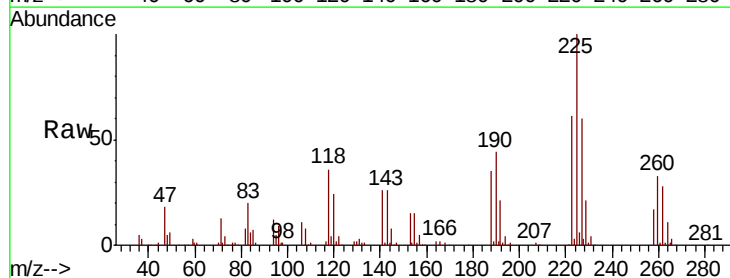


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

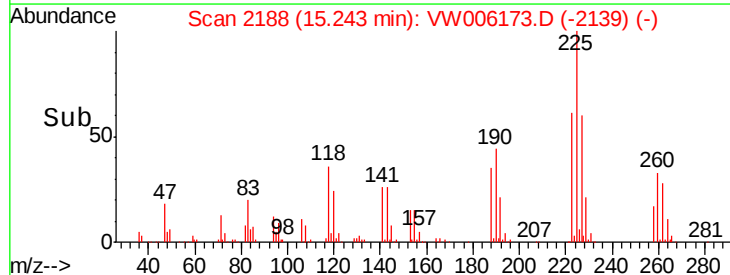
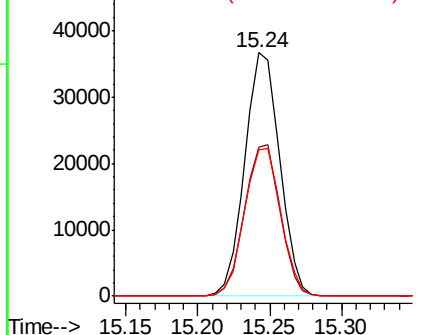


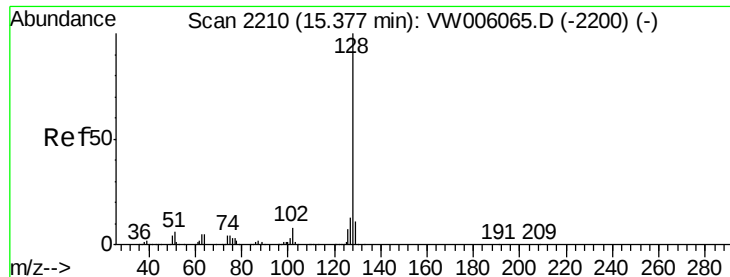
#94
 Hexachlorobutadiene
 Concen: 21.743 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006173.D
 Acq: 18 Oct 2018 14:09

Tgt Ion:225 Resp: 61706
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.5
 227 63.0 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

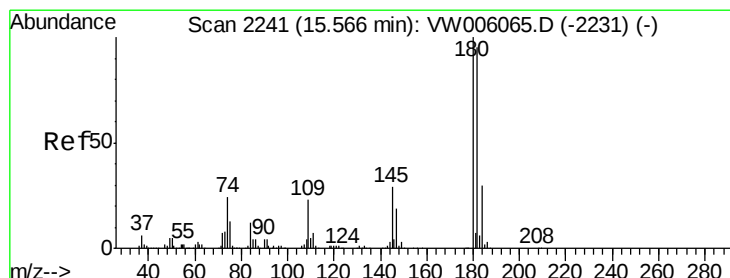
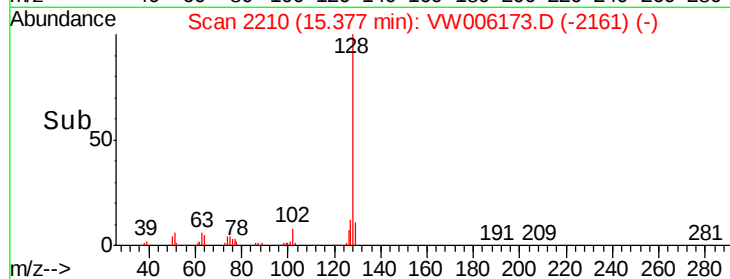
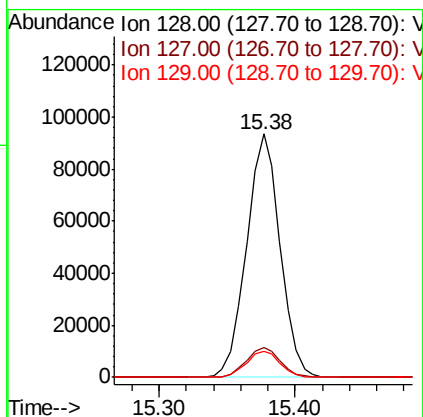
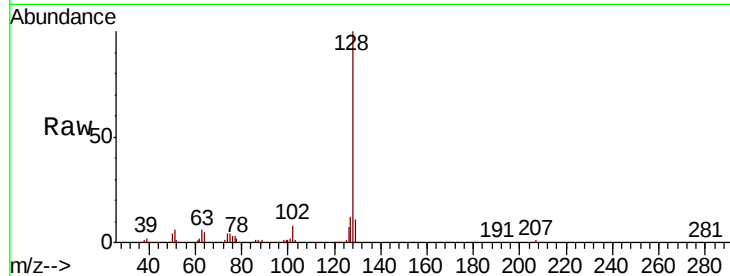




#95
Naphthalene
Concen: 21.465 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Instrument :
MSVOA_W
ClientSampleId :
VW1018SBSD01

Tot Ion:128 Resp: 161314
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.580 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006173.D
Acq: 18 Oct 2018 14:09

Tgt Ion:180 Resp: 84325
Ion Ratio Lower Upper
180 100
182 95.1 47.8 143.3
145 29.5 15.0 45.1

