

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006097.D
 Acq On : 17 Oct 2018 01:20
 Operator : VA/AP
 Sample : VW1016SBS02
 Misc : 6.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Quant Time: Oct 17 02:10:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	374778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	345252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	193638	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	108768	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	7.89	113	111135	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.33	98	415898	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.62	95	156896	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	18824	15.129	ug/l	99
3) Chloromethane	2.21	50	30075	18.777	ug/l	98
4) Vinyl Chloride	2.37	62	45454	19.872	ug/l	98
5) Bromomethane	2.79	94	48647	23.384	ug/l	99
6) Chloroethane	2.93	64	34790	21.224	ug/l	98
7) Trichlorofluoromethane	3.26	101	38986	18.297	ug/l	98
8) Diethyl Ether	3.68	74	22894	20.217	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44581	19.964	ug/l	99
10) Methyl Iodide	4.27	142	78709	21.177	ug/l	99
11) Tert butyl alcohol	5.21	59	15854	113.085	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	43777	20.838	ug/l	93
13) Acrolein	3.90	56	14254	105.073	ug/l	99
14) Allyl chloride	4.67	41	60488	20.137	ug/l	99
15) Acrylonitrile	5.37	53	46697	114.968	ug/l	99
16) Acetone	4.14	43	44360	104.834	ug/l	95
17) Carbon Disulfide	4.37	76	122973	19.395	ug/l	100
18) Methyl Acetate	4.68	43	24103	22.976	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	68766	21.491	ug/l	98
20) Methylene Chloride	4.91	84	54295	23.762	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	50080	21.356	ug/l	97
22) Diisopropyl ether	6.32	45	127966	21.557	ug/l	97
23) Vinyl Acetate	6.26	43	368193	105.101	ug/l	99
24) 1,1-Dichloroethane	6.21	63	83035	21.678	ug/l	98
25) 2-Butanone	7.18	43	63117	112.080	ug/l	98
26) 2,2-Dichloropropane	7.17	77	49909	18.474	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57787	22.331	ug/l	97
28) Bromochloromethane	7.51	49	29092	19.674	ug/l	98
29) Tetrahydrofuran	7.54	42	40174	116.059	ug/l	98
30) Chloroform	7.68	83	90567	21.702	ug/l	98
31) Cyclohexane	7.96	56	75301	19.741	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	77471	20.580	ug/l	99
36) 1,1-Dichloropropene	8.09	75	70122	20.299	ug/l	100
37) Ethyl Acetate	7.26	43	27905	21.742	ug/l	100
38) Carbon Tetrachloride	8.07	117	72862	19.241	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006097.D
 Acq On : 17 Oct 2018 01:20
 Operator : VA/AP
 Sample : VW1016SBSD02
 Misc : 6.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

Quant Time: Oct 17 02:10:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	88282	19.226	ug/l	96
40) Benzene	8.32	78	200060	21.113	ug/l	100
41) Methacrylonitrile	7.49	41	15631	20.203	ug/l	90
42) 1,2-Dichloroethane	8.40	62	60088	21.584	ug/l	100
43) Isopropyl Acetate	8.43	43	56009	21.343	ug/l	98
44) Trichloroethene	9.09	130	60082	20.667	ug/l	100
45) 1,2-Dichloropropane	9.37	63	46644	20.571	ug/l	97
46) Dibromomethane	9.46	93	27830	21.534	ug/l	100
47) Bromodichloromethane	9.65	83	63563	20.287	ug/l	100
48) Methyl methacrylate	9.44	41	26971	21.683	ug/l	97
49) 1,4-Dioxane	9.48	88	9076	456.189	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	144119	109.612	ug/l	100
52) Toluene	10.39	92	134330	21.145	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	61112	19.576	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	71800	20.040	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38850	21.482	ug/l	98
56) Ethyl methacrylate	10.65	69	47591	21.466	ug/l	96
57) 1,3-Dichloropropane	10.93	76	64980	21.705	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	90154	106.418	ug/l	100
59) 2-Hexanone	10.98	43	100001	106.547	ug/l	100
60) Dibromochloromethane	11.13	129	45778	20.322	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38914	21.535	ug/l	99
64) Tetrachloroethene	10.87	164	58647	21.882	ug/l	97
65) Chlorobenzene	11.66	112	155523	21.043	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	53385	20.325	ug/l	99
67) Ethyl Benzene	11.74	91	264721	20.668	ug/l	98
68) m/p-Xylenes	11.84	106	208494	41.183	ug/l	100
69) o-Xylene	12.17	106	100032	20.733	ug/l	99
70) Styrene	12.19	104	162182	20.671	ug/l	100
71) Bromoform	12.35	173	28347	19.349	ug/l #	97
73) Isopropylbenzene	12.47	105	277712	20.301	ug/l	99
74) N-amyl acetate	12.28	43	55231	20.787	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45926	22.073	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	57179	38.660	ug/l #	100
77) Bromobenzene	12.75	156	69942	20.874	ug/l	99
78) n-propylbenzene	12.81	91	322708	20.276	ug/l	99
79) 2-Chlorotoluene	12.90	91	183366	20.506	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	233608	20.257	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11438	18.486	ug/l	95
82) 4-Chlorotoluene	12.99	91	194053	20.716	ug/l	100
83) tert-Butylbenzene	13.21	119	209443	20.299	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	239650	20.536	ug/l	99
85) sec-Butylbenzene	13.39	105	294538	20.206	ug/l	100
86) p-Isopropyltoluene	13.51	119	266432	20.208	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	138012	20.696	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	136943	20.626	ug/l	100
89) n-Butylbenzene	13.83	91	240537	19.948	ug/l	99
90) Hexachloroethane	14.10	117	42943	19.229	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	125701	21.133	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7591	20.377	ug/l	97

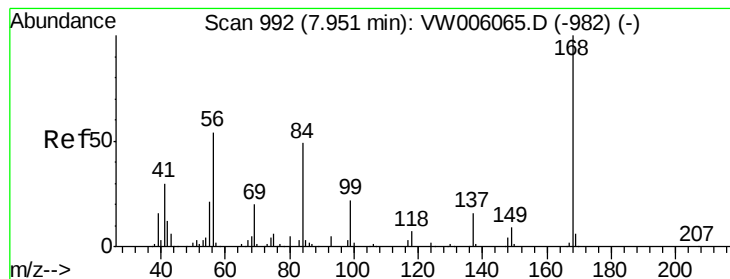
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
Data File : VW006097.D
Acq On : 17 Oct 2018 01:20
Operator : VA/AP
Sample : VW1016SBSD02
Misc : 6.97G/5ML/MSVOA_W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

Quant Time: Oct 17 02:10:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	94095	20.559	ug/l	99
94) Hexachlorobutadiene	15.24	225	56727	19.731	ug/l	98
95) Naphthalene	15.38	128	163015	21.411	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	84776	21.415	ug/l	98

(#) = 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: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

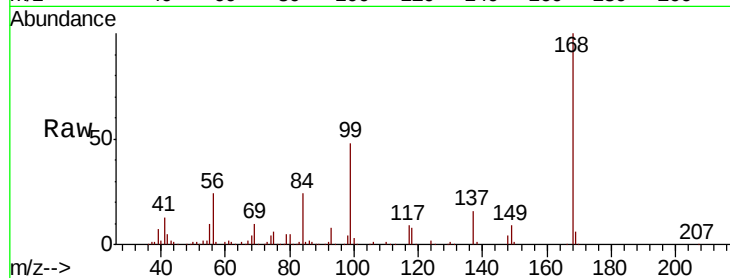
VW1016SBSD02

Tgt Ion:168 Resp: 251438

Ion Ratio Lower Upper

168 100

99 47.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

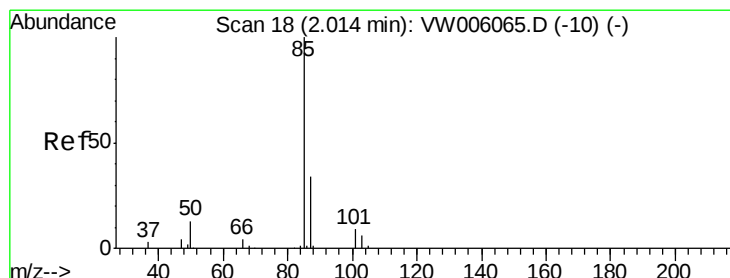
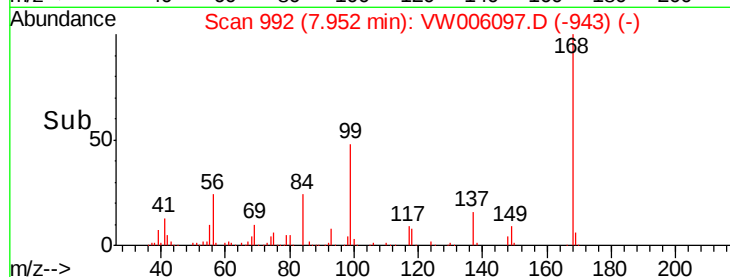
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.129 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006097.D

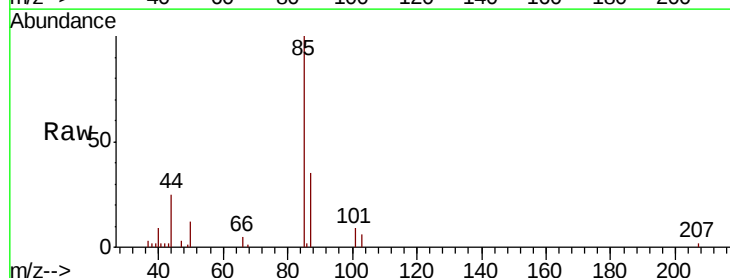
Acq: 17 Oct 2018 01:20

Tgt Ion: 85 Resp: 18824

Ion Ratio Lower Upper

85 100

87 34.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

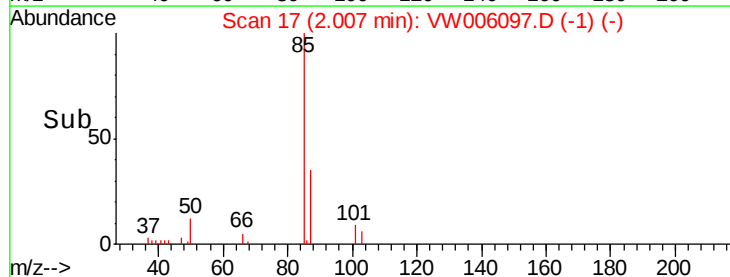
2000

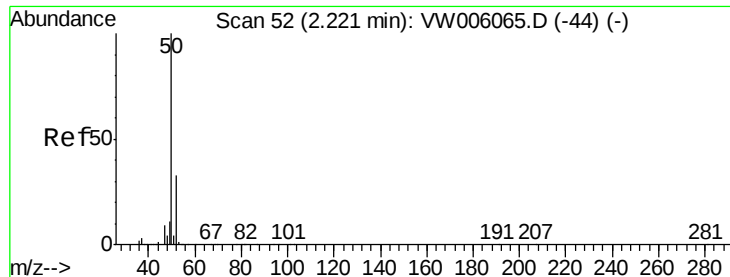
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 18.777 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

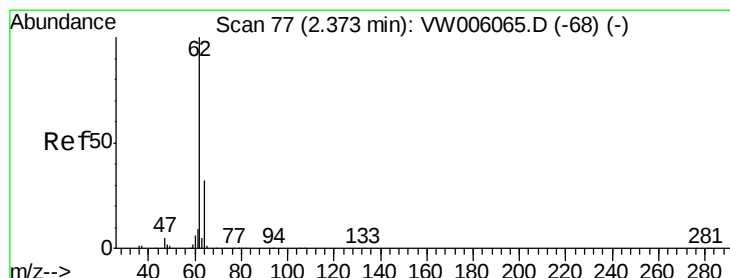
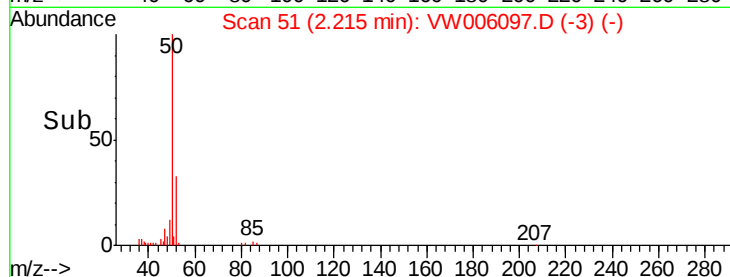
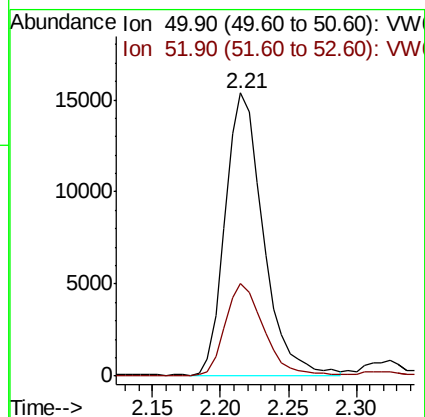
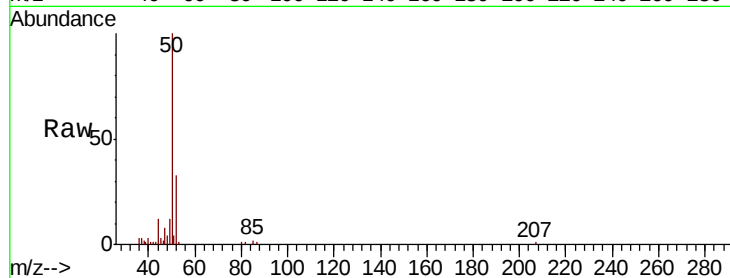
VW1016SBSD02

Tgt Ion: 50 Resp: 30075

Ion Ratio Lower Upper

50 100

52 32.3 26.8 40.2



#4

Vinyl Chloride

Concen: 19.872 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006097.D

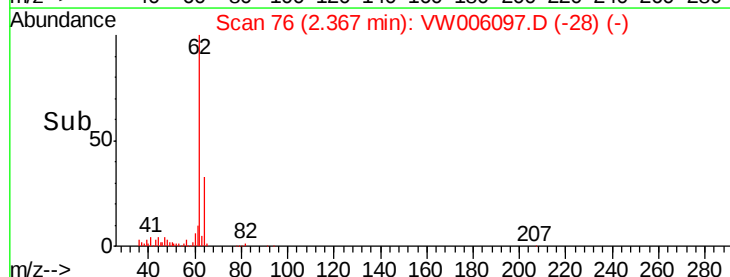
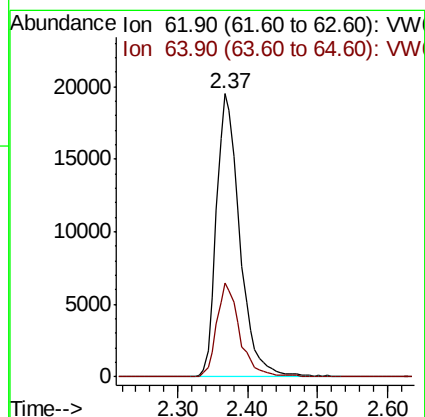
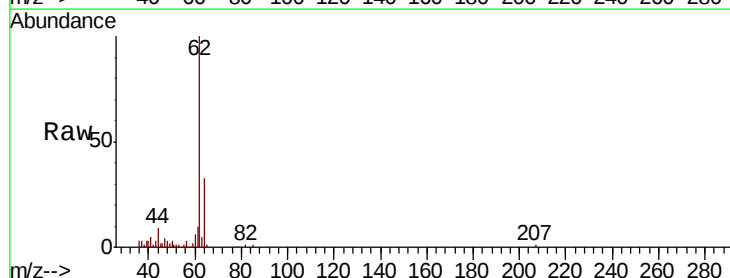
Acq: 17 Oct 2018 01:20

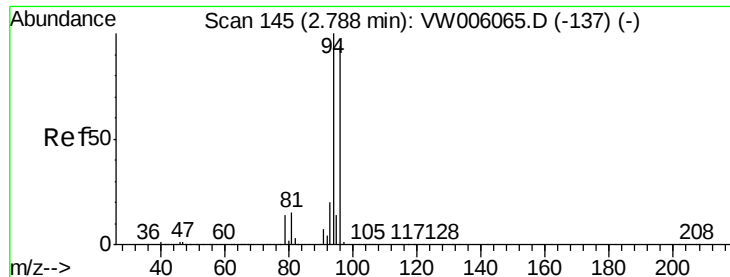
Tgt Ion: 62 Resp: 45454

Ion Ratio Lower Upper

62 100

64 33.4 25.9 38.9





#5

Bromomethane

Concen: 23.384 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

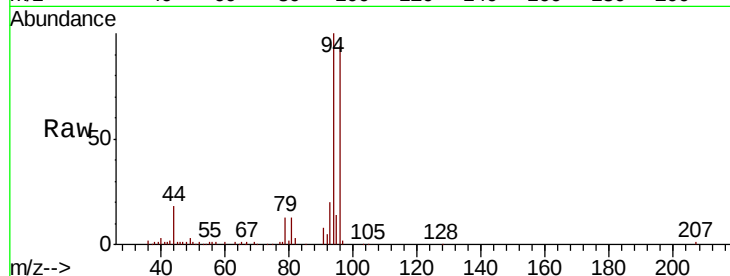
VW1016SBSD02

Tgt Ion: 94 Resp: 48647

Ion Ratio Lower Upper

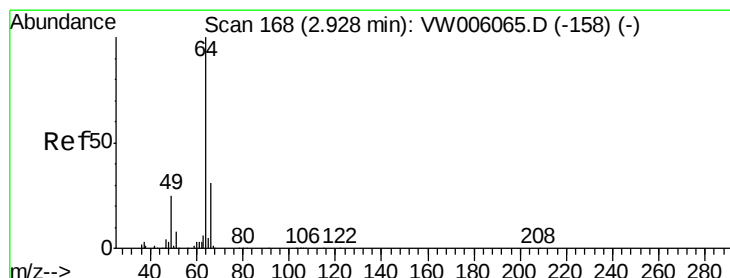
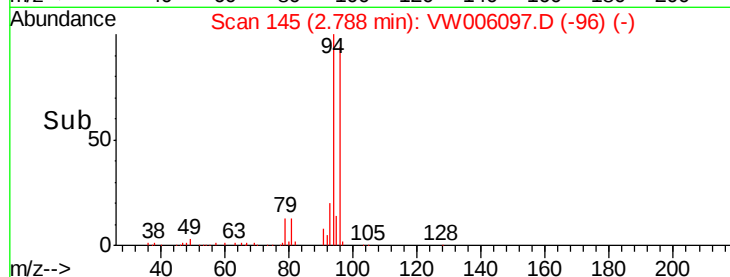
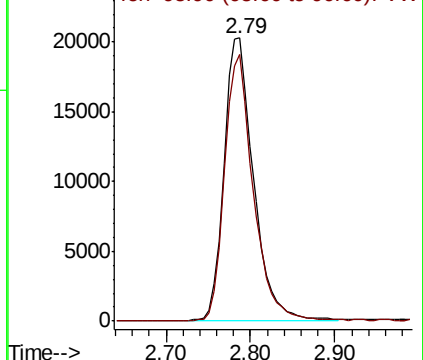
94 100

96 94.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.224 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006097.D

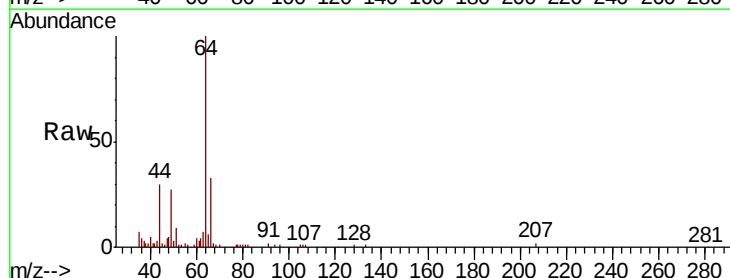
Acq: 17 Oct 2018 01:20

Tgt Ion: 64 Resp: 34790

Ion Ratio Lower Upper

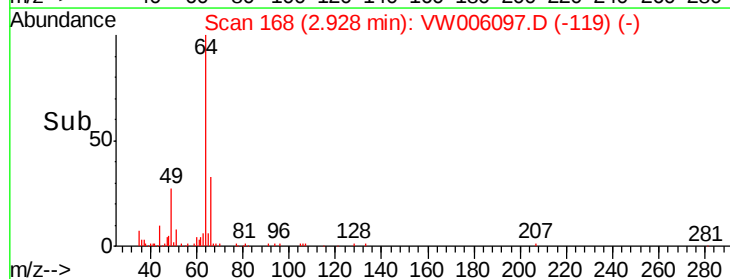
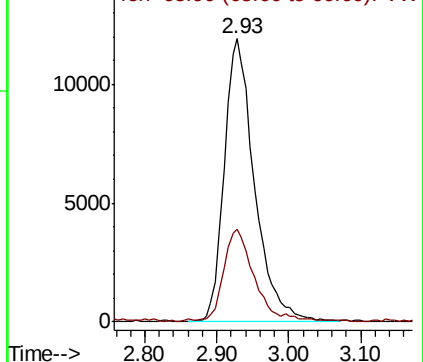
64 100

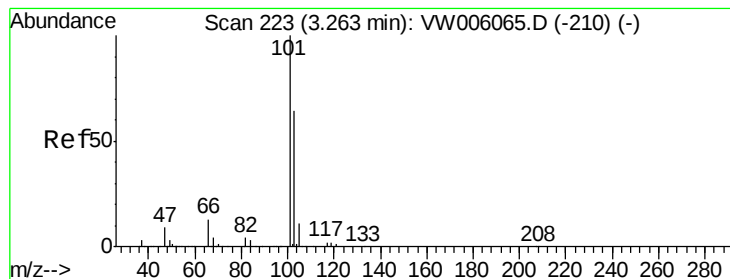
66 32.0 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



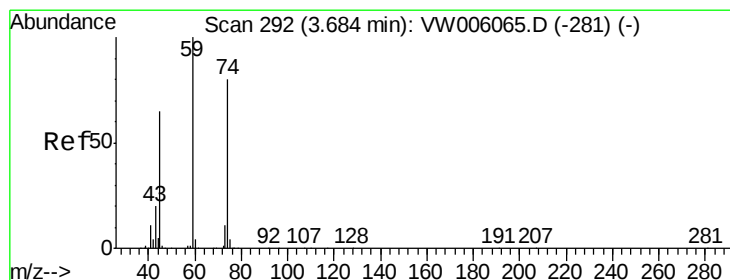
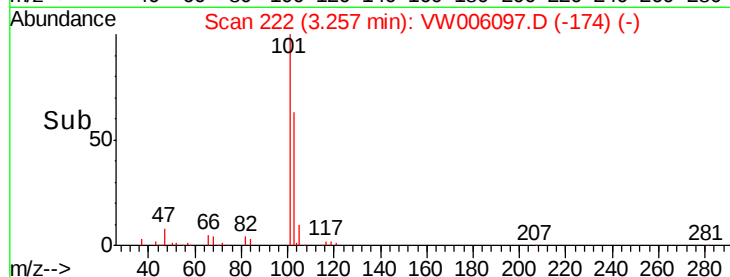
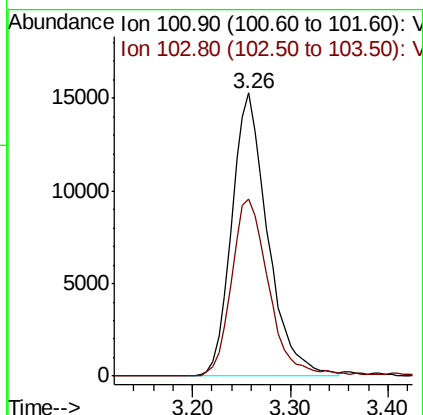
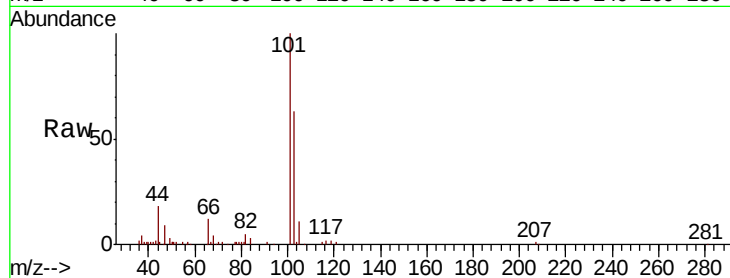


#7

Trichlorofluoromethane
 Concen: 18.297 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

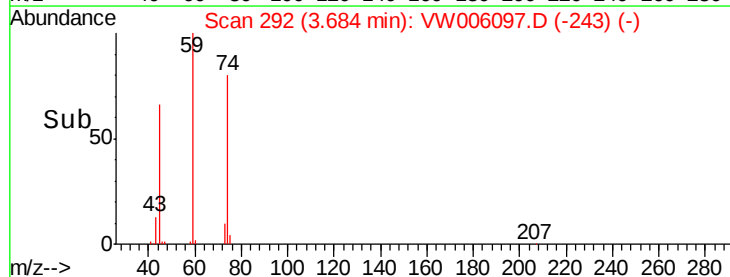
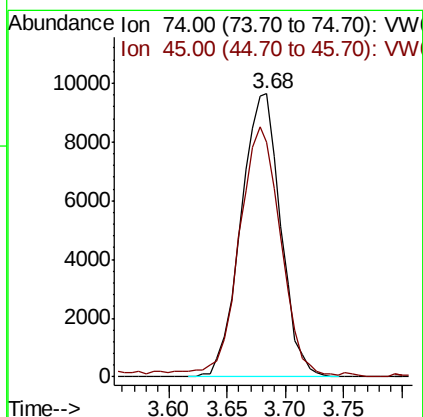
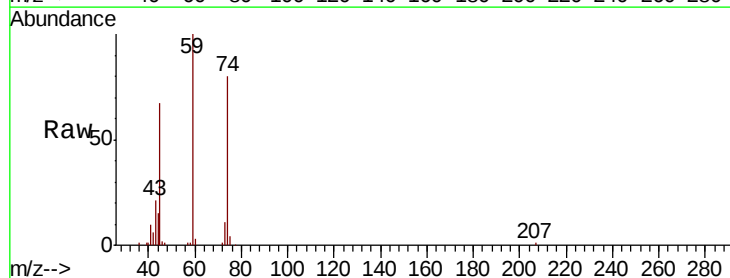
Tgt Ion:101 Resp: 38986
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.2 76.8

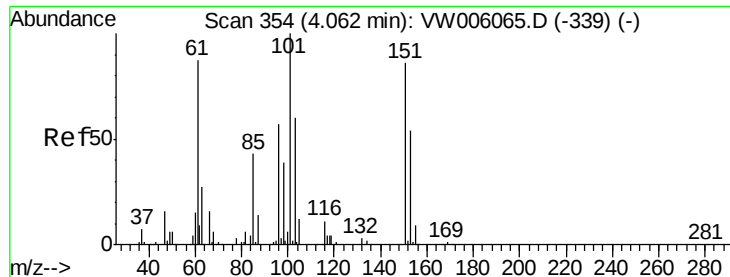


#8

Diethyl Ether
 Concen: 20.217 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion: 74 Resp: 22894
 Ion Ratio Lower Upper
 74 100
 45 90.4 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.964 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

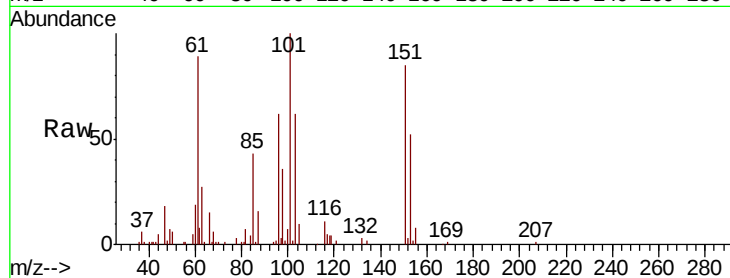
Tgt Ion:101 Resp: 44581

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

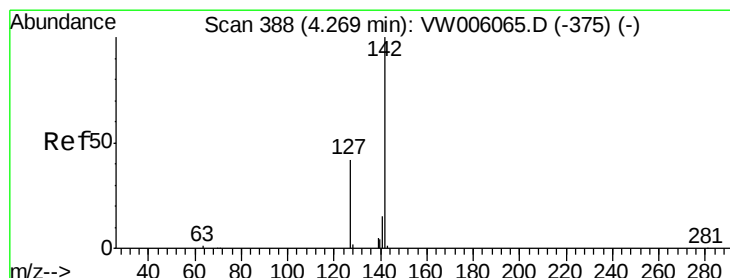
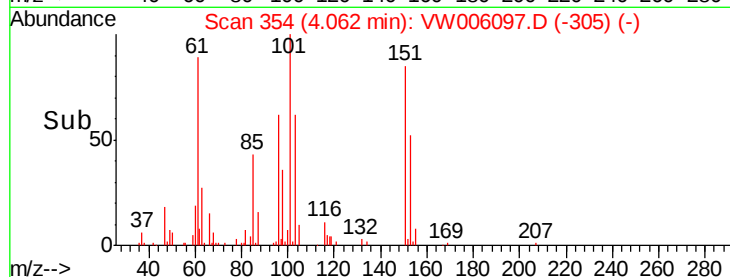
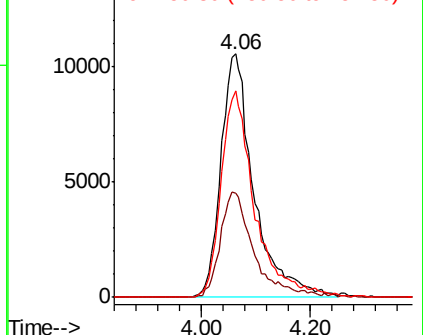
151 86.5 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.177 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

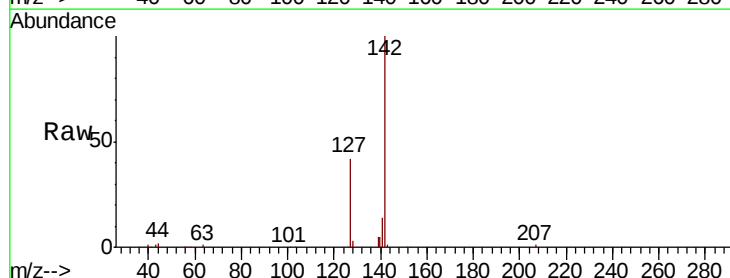
Tgt Ion:142 Resp: 78709

Ion Ratio Lower Upper

142 100

127 41.5 33.6 50.4

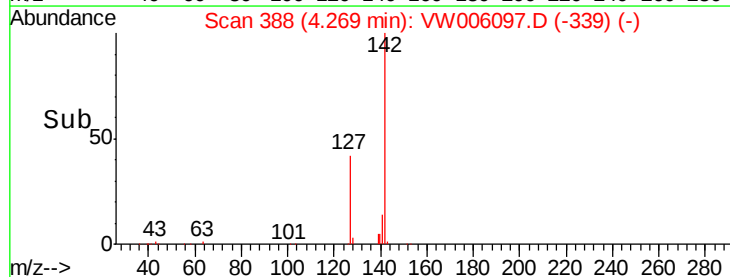
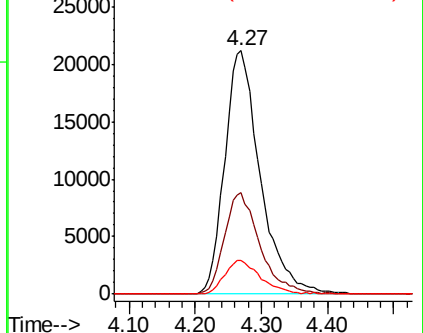
141 14.1 11.6 17.4

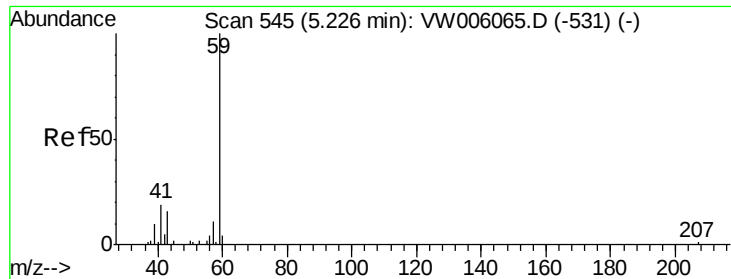


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

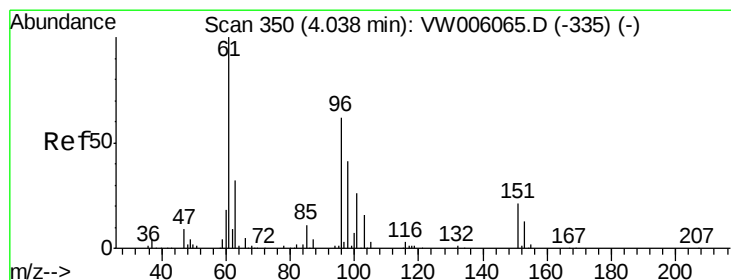
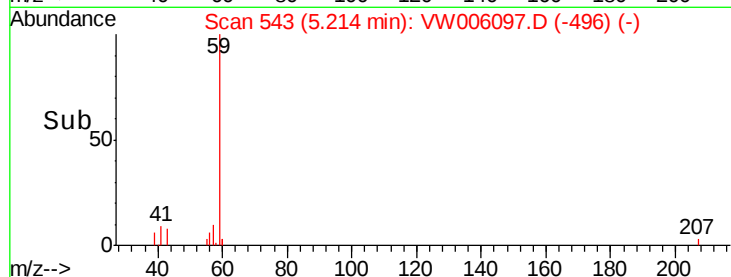
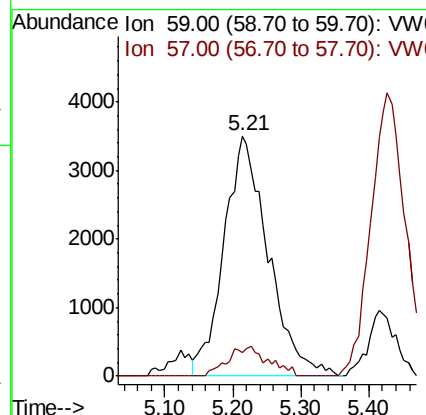
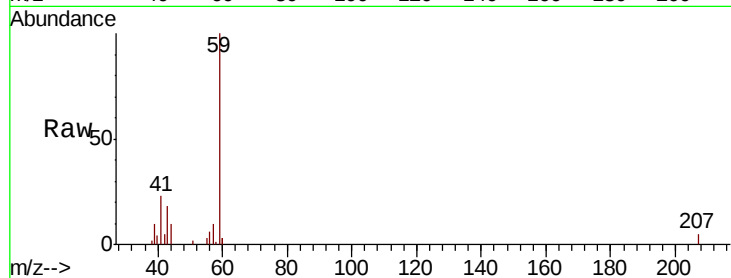




#11
Tert butyl alcohol
Concen: 113.085 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

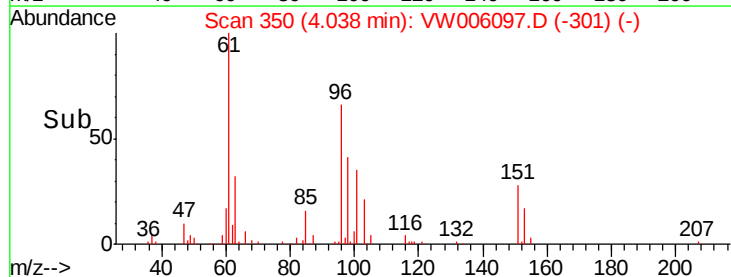
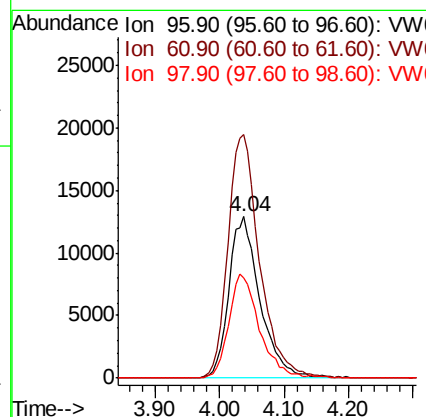
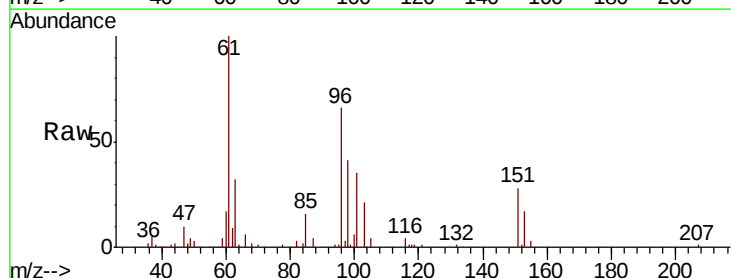
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

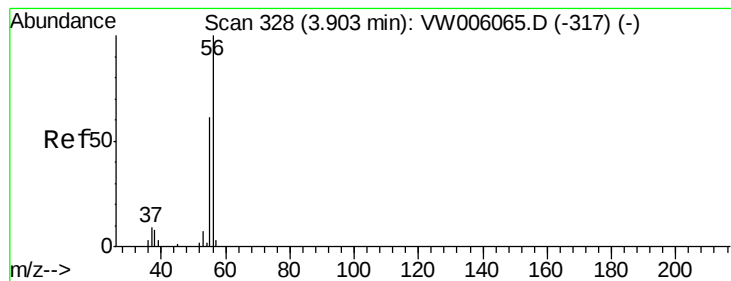
Tgt Ion: 59 Resp: 15854
Ion Ratio Lower Upper
59 100
57 4.7 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 20.838 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion: 96 Resp: 43777
Ion Ratio Lower Upper
96 100
61 150.6 129.3 193.9
98 62.4 53.1 79.7





#13

Acrolein

Concen: 105.073 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

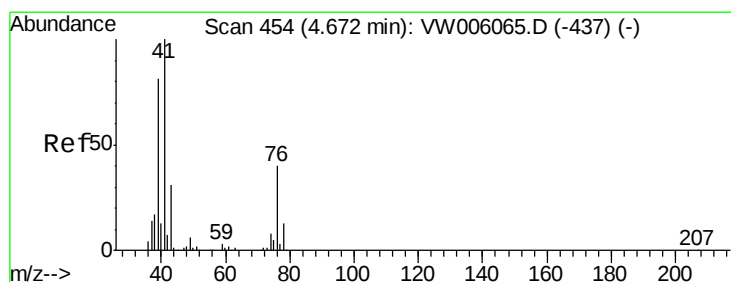
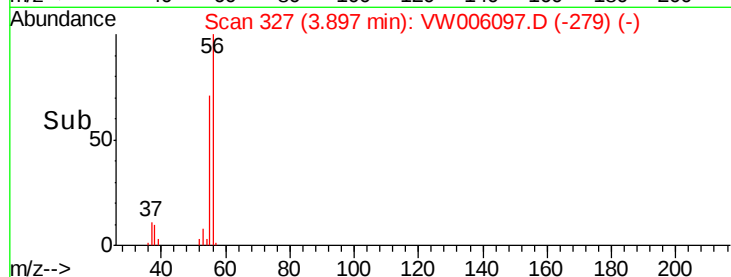
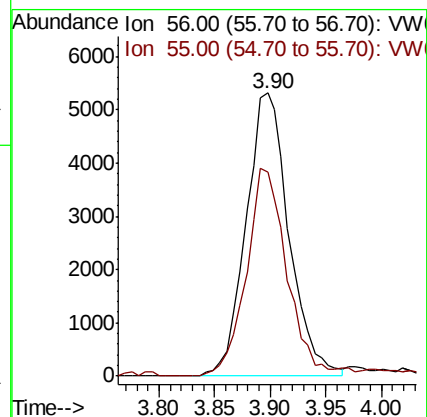
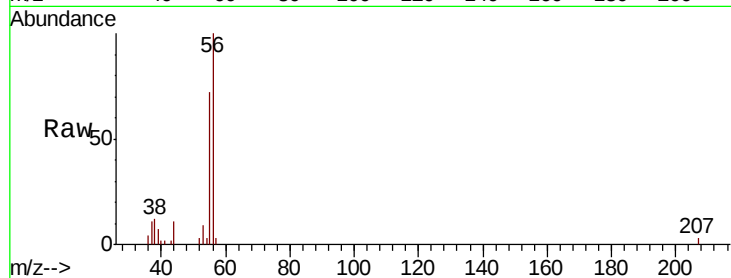
VW1016SBSD02

Tgt Ion: 56 Resp: 14254

Ion Ratio Lower Upper

56 100

55 68.9 54.5 81.7



#14

Allyl chloride

Concen: 20.137 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

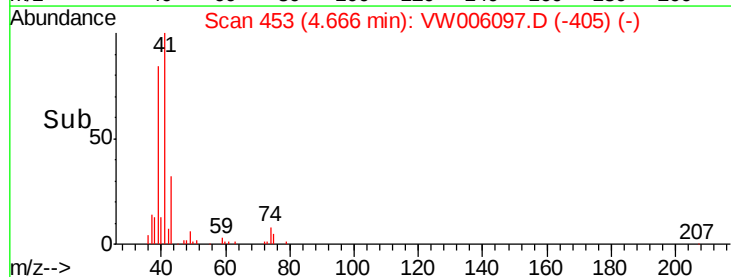
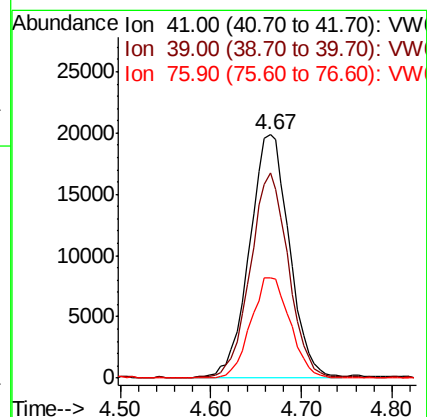
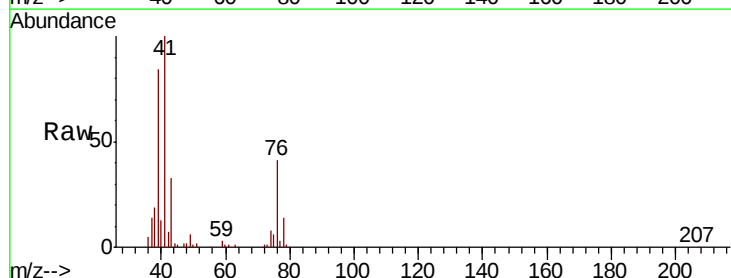
Tgt Ion: 41 Resp: 60488

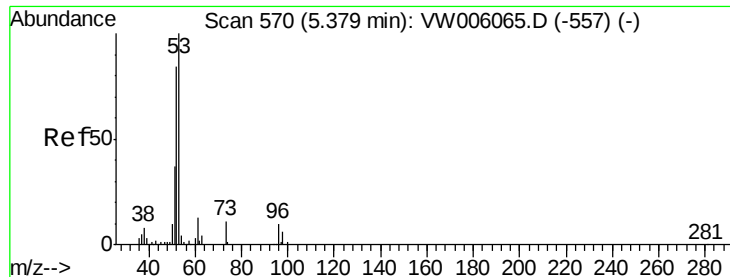
Ion Ratio Lower Upper

41 100

39 81.2 64.1 96.1

76 40.5 32.2 48.4





#15

Acrylonitrile

Concen: 114.968 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

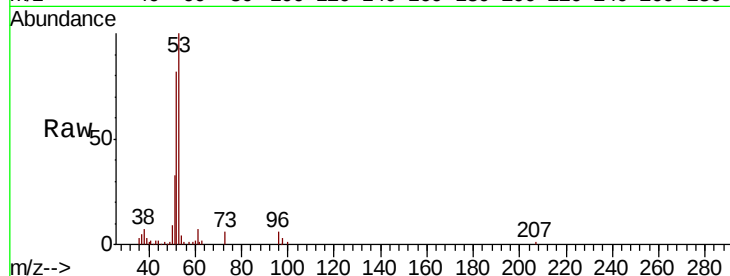
Tgt Ion: 53 Resp: 46697

Ion Ratio Lower Upper

53 100

52 82.7 66.9 100.3

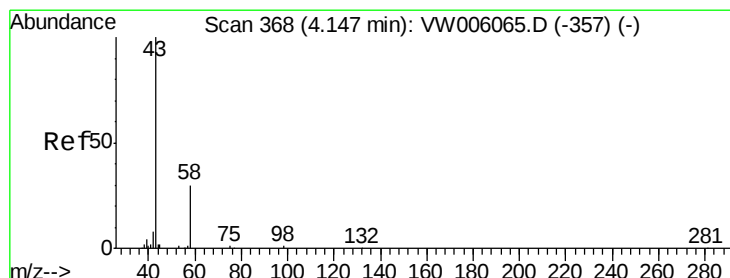
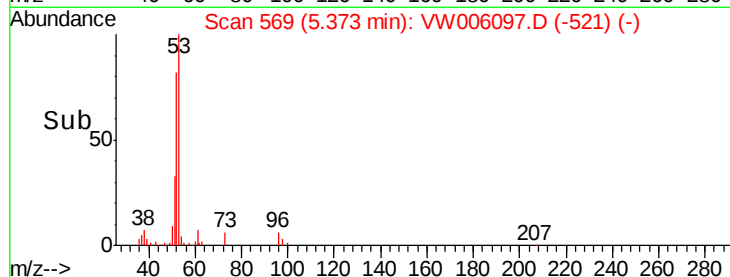
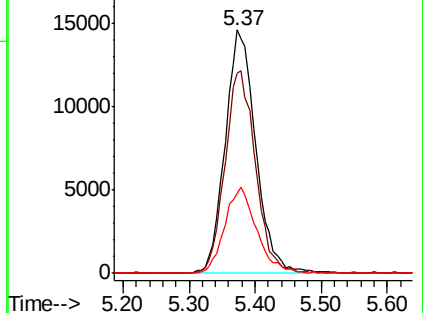
51 36.7 30.1 45.1



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 104.834 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006097.D

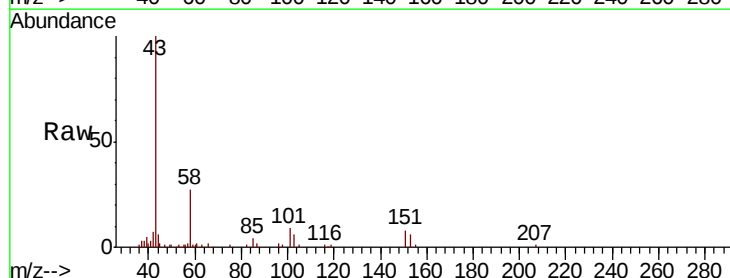
Acq: 17 Oct 2018 01:20

Tgt Ion: 43 Resp: 44360

Ion Ratio Lower Upper

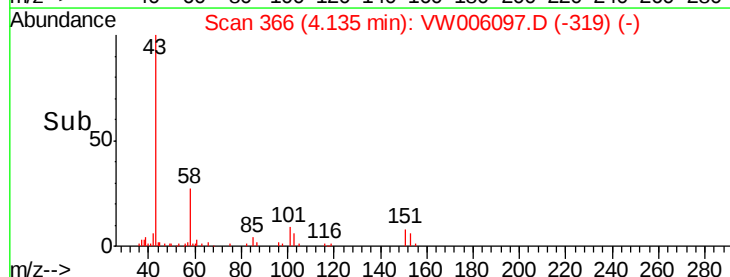
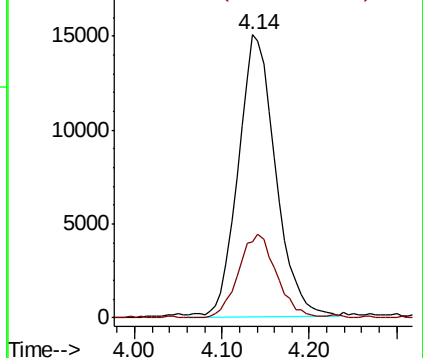
43 100

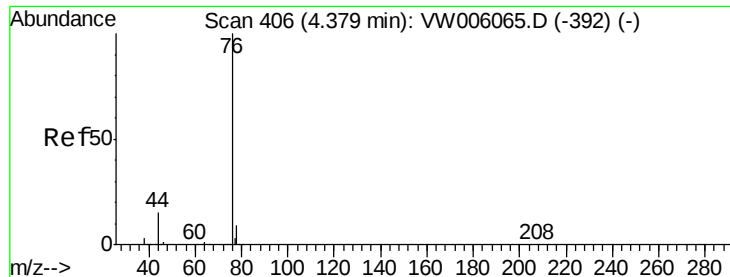
58 27.2 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.395 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

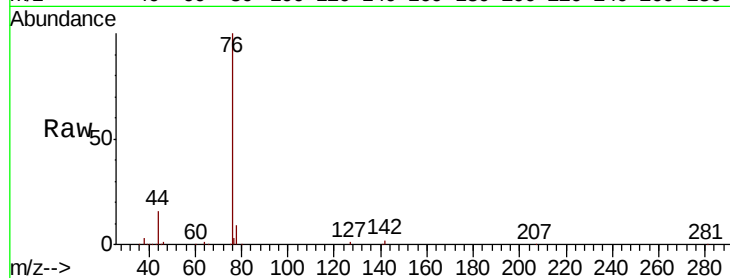
VW1016SBSD02

Tgt Ion: 76 Resp: 122973

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

40000

30000

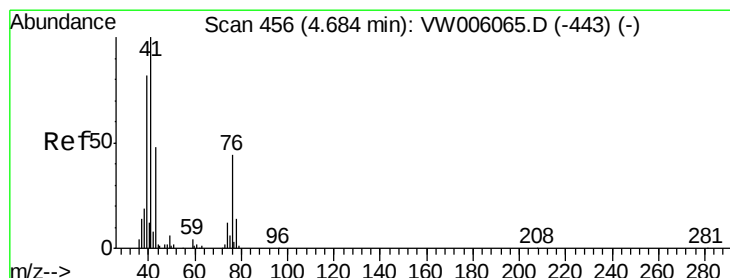
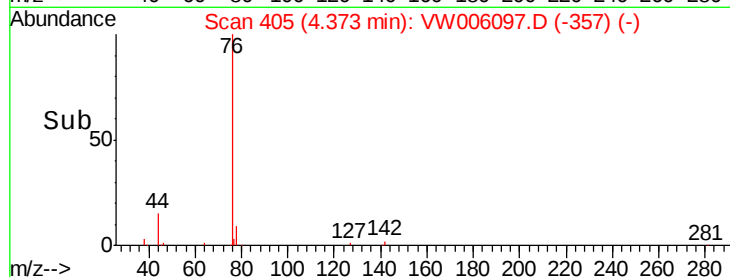
20000

10000

0

Time-->

4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 22.976 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006097.D

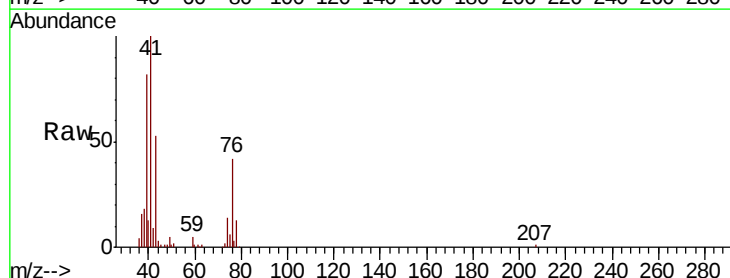
Acq: 17 Oct 2018 01:20

Tgt Ion: 43 Resp: 24103

Ion Ratio Lower Upper

43 100

74 26.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

10000

8000

6000

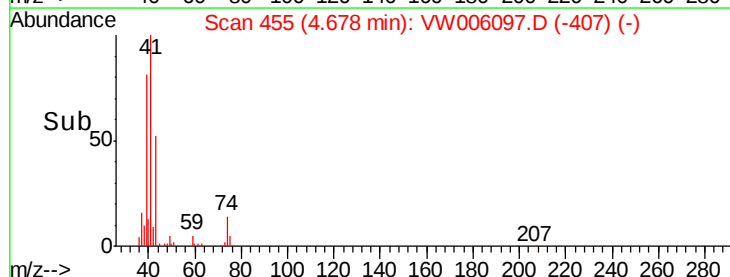
4000

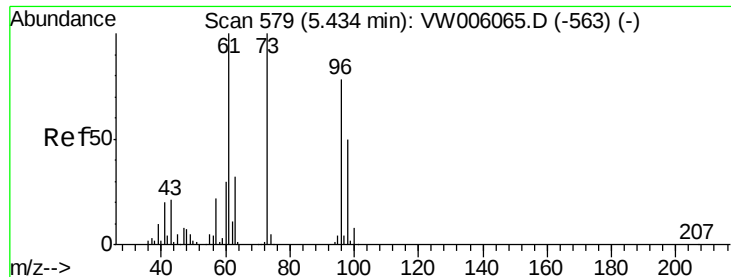
2000

0

Time-->

4.60 4.70 4.80

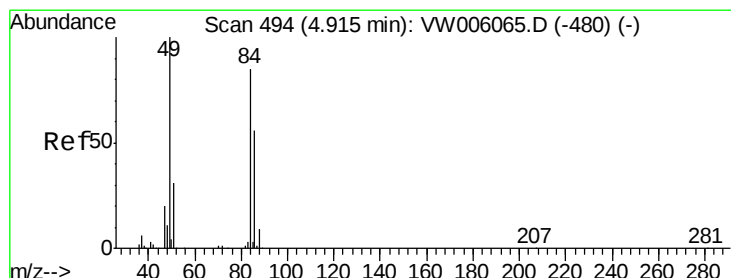
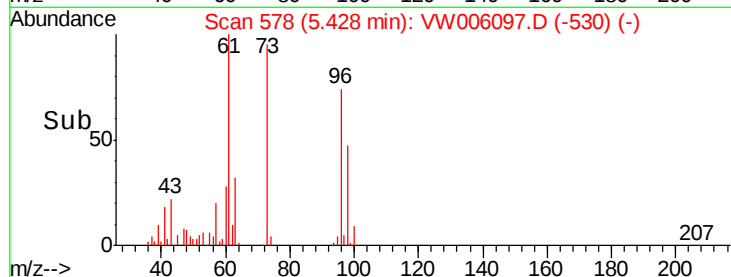
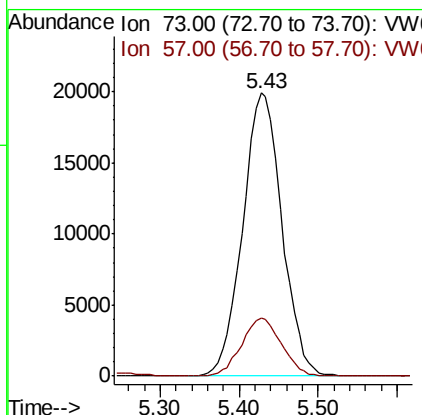
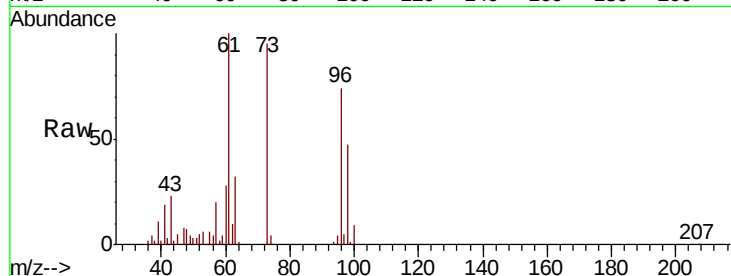




#19
Methyl tert-butyl Ether
Concen: 21.491 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

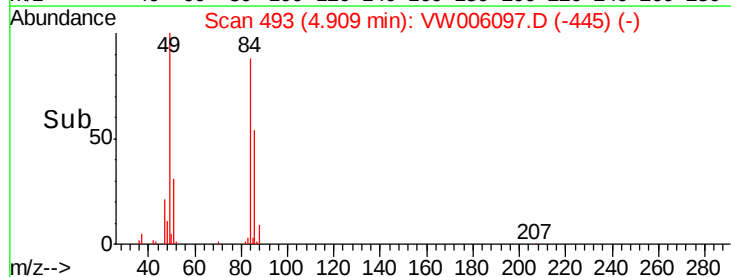
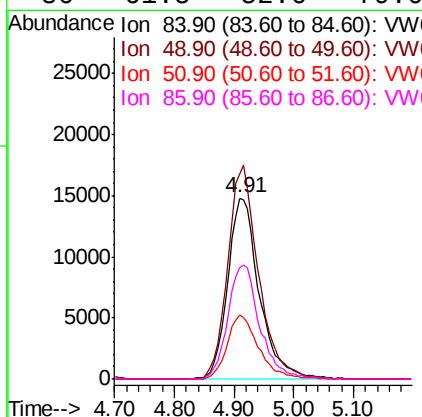
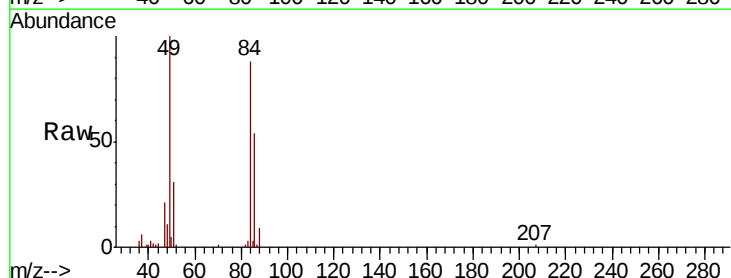
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

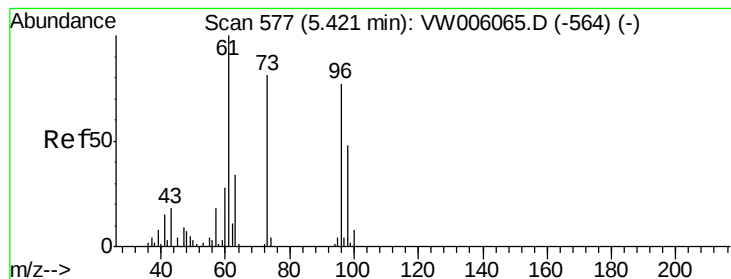
Tgt Ion: 73 Resp: 68766
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.2



#20
Methylene Chloride
Concen: 23.762 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion: 84 Resp: 54295
Ion Ratio Lower Upper
84 100
49 113.6 93.6 140.4
51 35.3 29.0 43.4
86 61.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.356 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

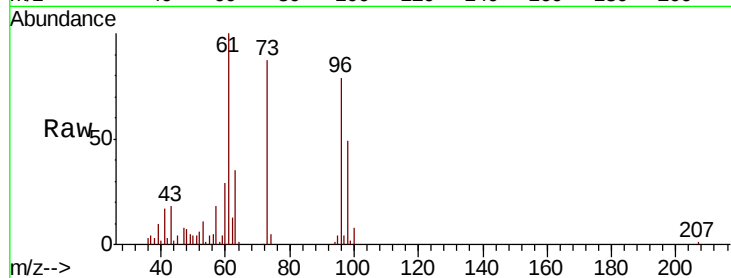
Tgt Ion: 96 Resp: 50080

Ion Ratio Lower Upper

96 100

61 126.3 104.5 156.7

98 62.5 50.6 75.8

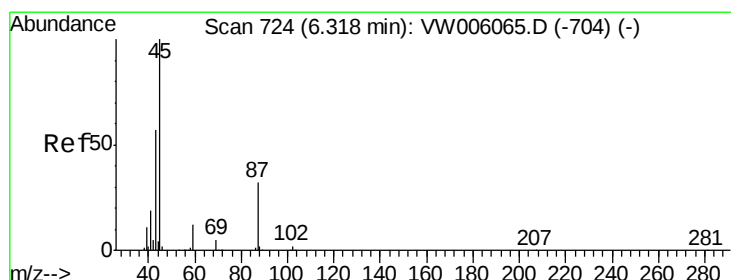
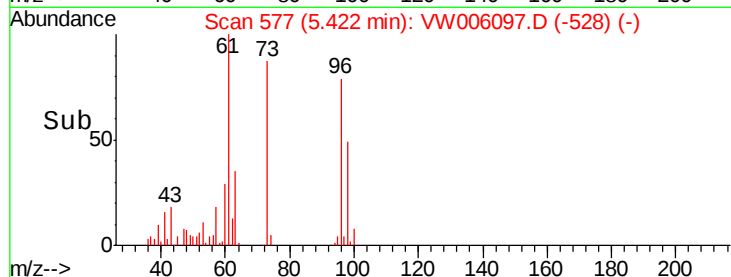
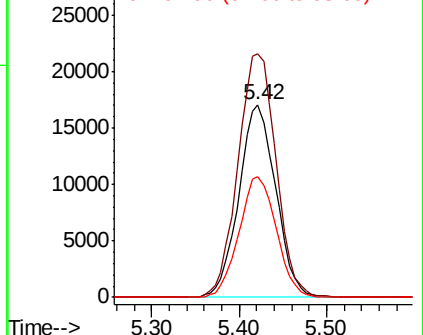


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.557 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Tgt Ion: 45 Resp: 127966

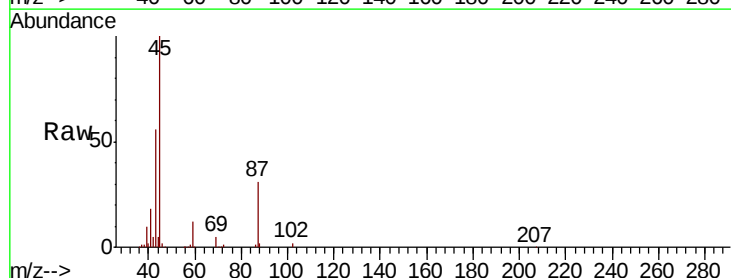
Ion Ratio Lower Upper

45 100

43 54.9 45.7 68.5

87 30.7 25.9 38.9

59 11.5 9.6 14.4



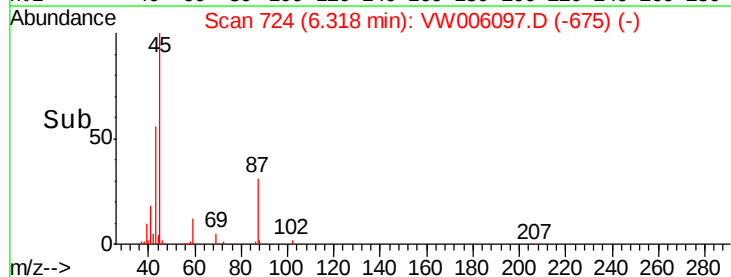
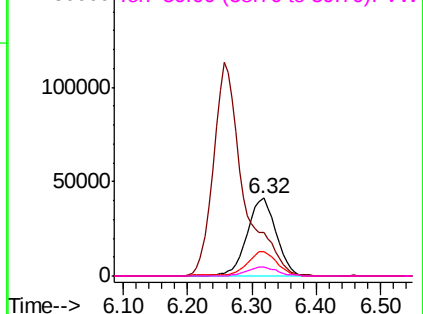
Abundance

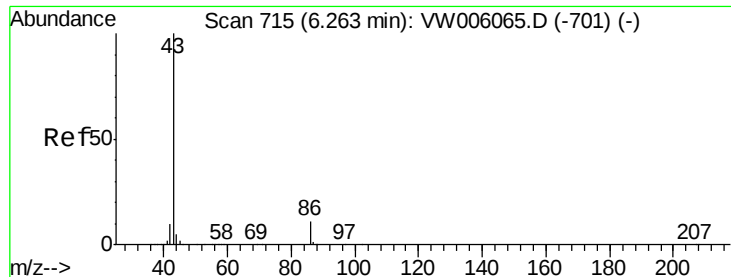
Ion 45.00 (44.70 to 45.70): VW

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: 105.101 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

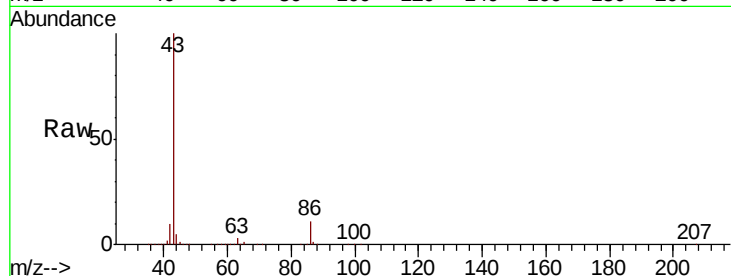
VW1016SBSD02

Tgt Ion: 43 Resp: 368193

Ion Ratio Lower Upper

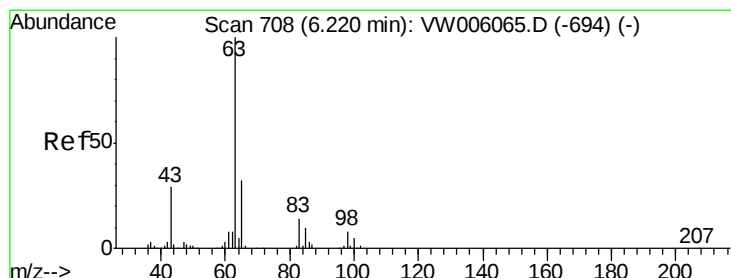
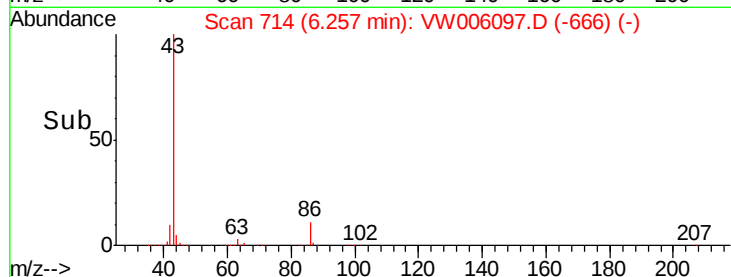
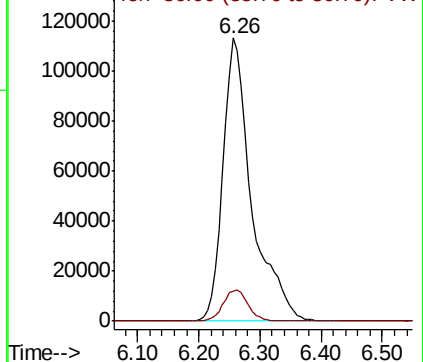
43 100

86 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.678 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

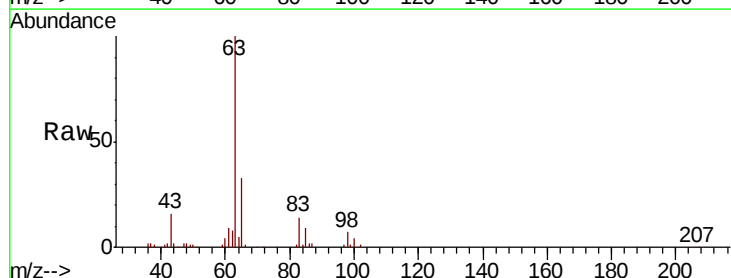
Tgt Ion: 63 Resp: 83035

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

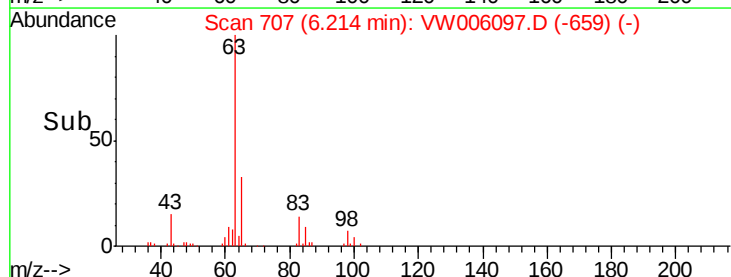
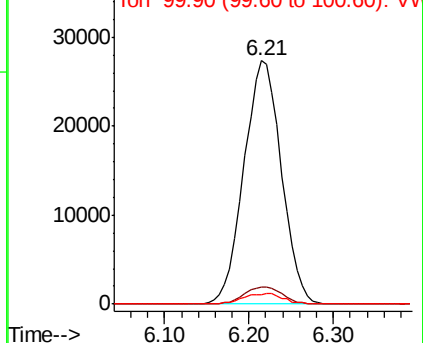
100 4.0 2.5 7.5

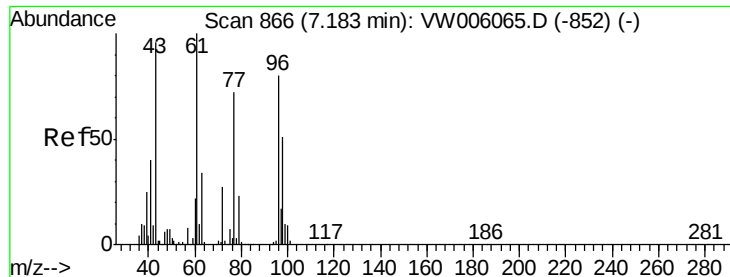


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 112.080 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampled :

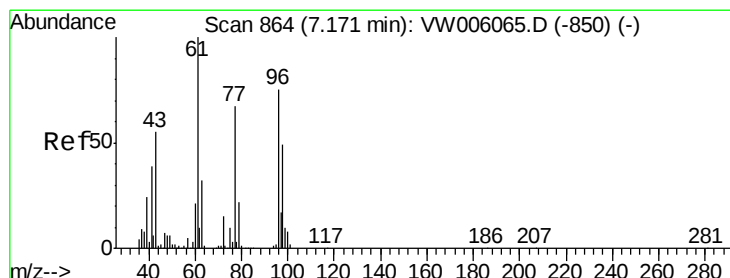
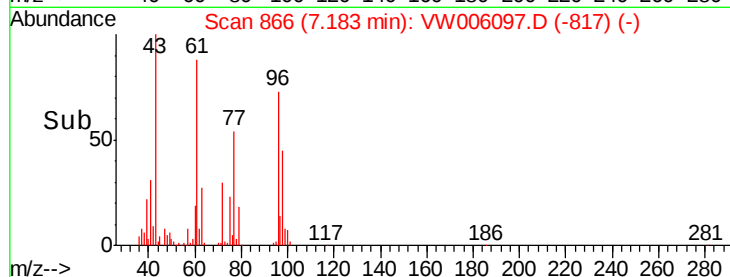
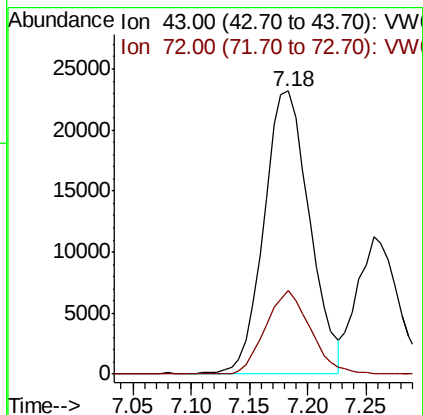
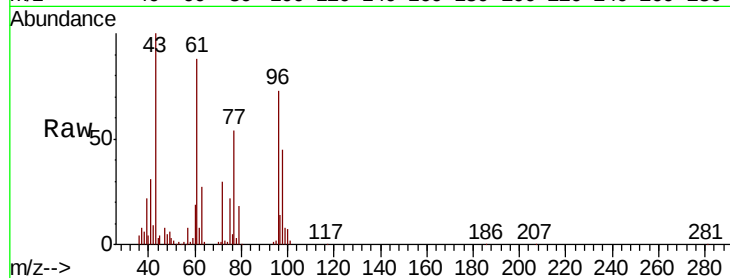
VW1016SBS02

Tgt Ion: 43 Resp: 63117

Ion Ratio Lower Upper

43 100

72 29.7 22.8 34.2



#26

2,2-Dichloropropane

Concen: 18.474 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006097.D

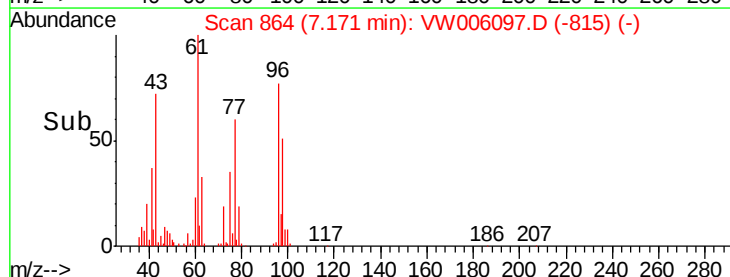
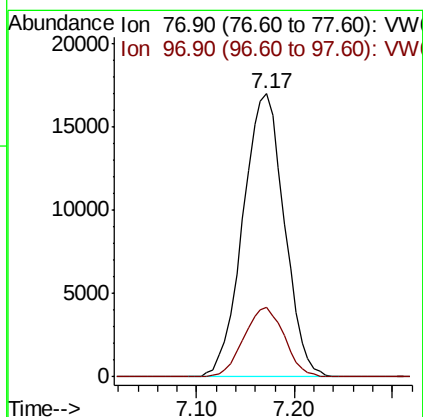
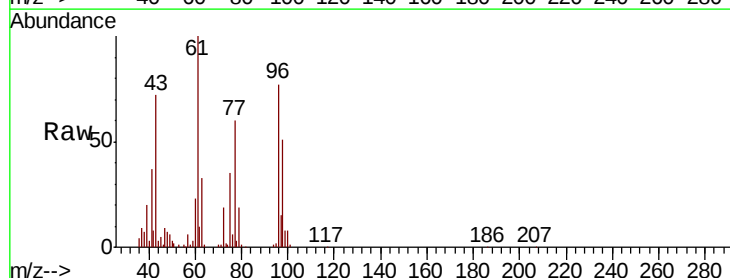
Acq: 17 Oct 2018 01:20

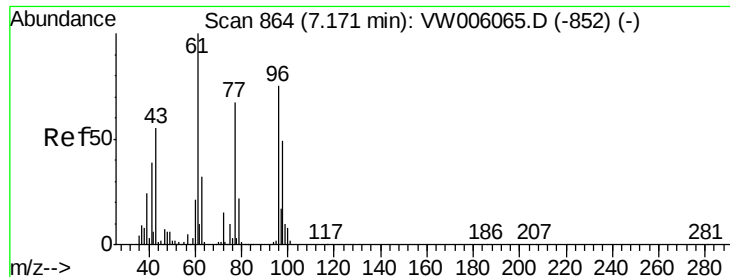
Tgt Ion: 77 Resp: 49909

Ion Ratio Lower Upper

77 100

97 24.0 12.2 36.4



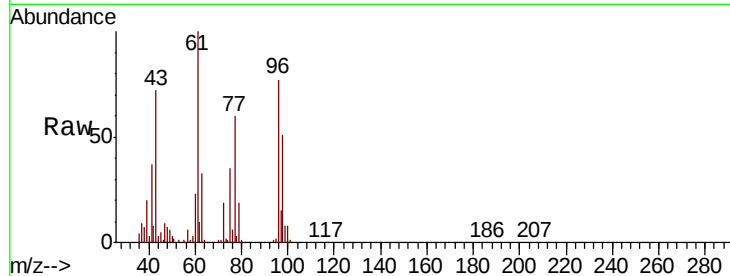


#27

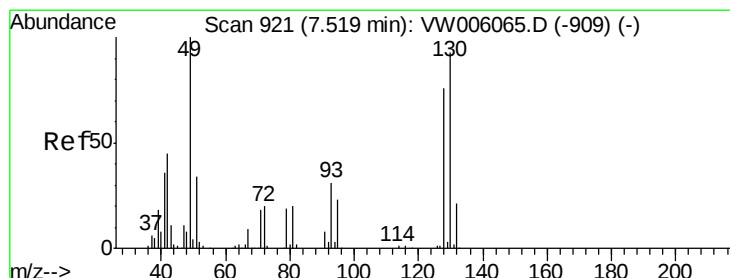
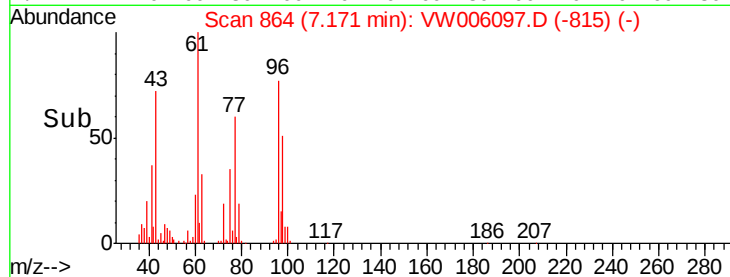
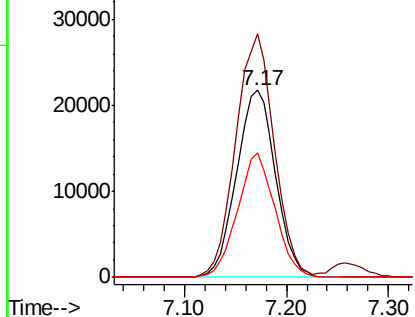
cis-1,2-Dichloroethene
 Concen: 22.331 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

Tgt Ion: 96 Resp: 57787
 Ion Ratio Lower Upper
 96 100
 61 128.5 0.0 267.2
 98 63.7 0.0 128.6



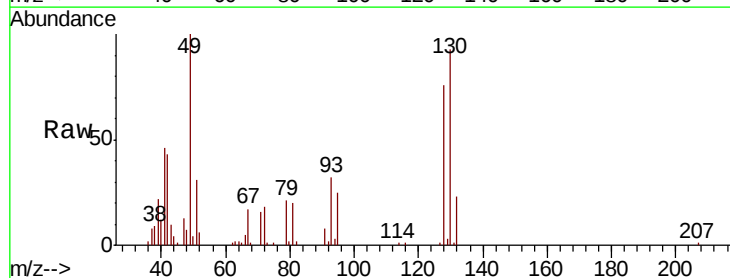
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



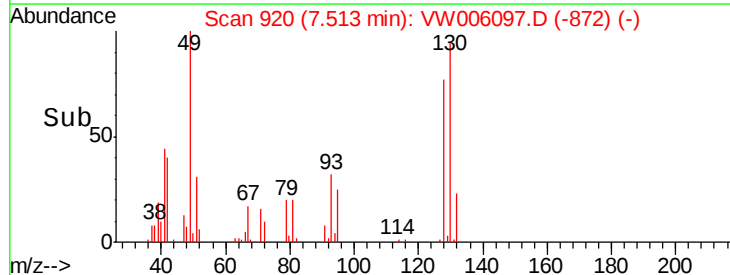
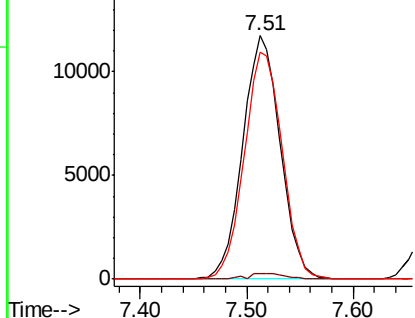
#28

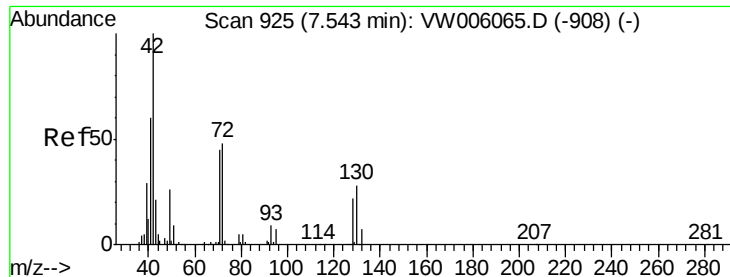
Bromochloromethane
 Concen: 19.674 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion: 49 Resp: 29092
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 5.0
 130 94.0 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: 116.059 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

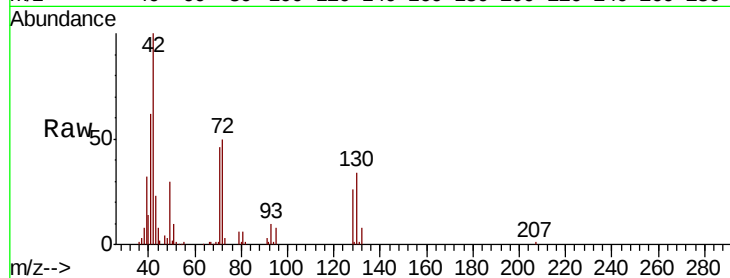
Tgt Ion: 42 Resp: 40174

Ion Ratio Lower Upper

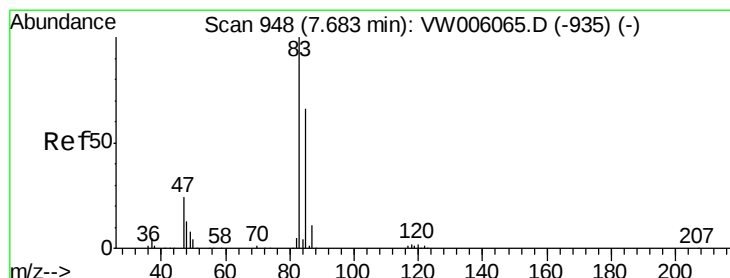
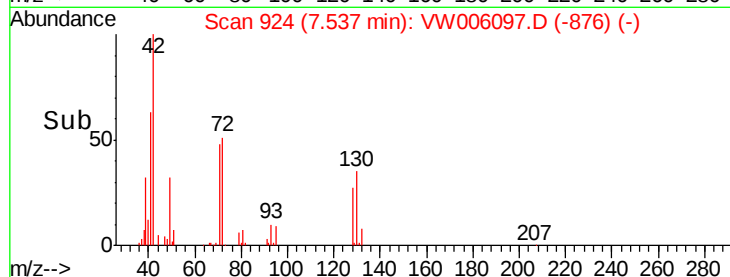
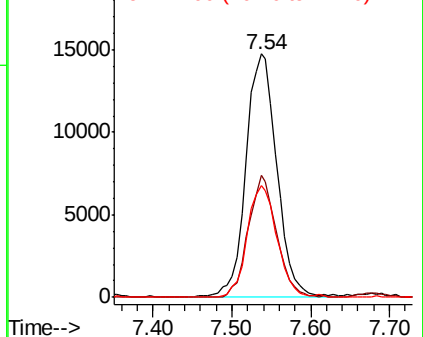
42 100

72 45.8 38.0 57.0

71 44.4 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: 21.702 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006097.D

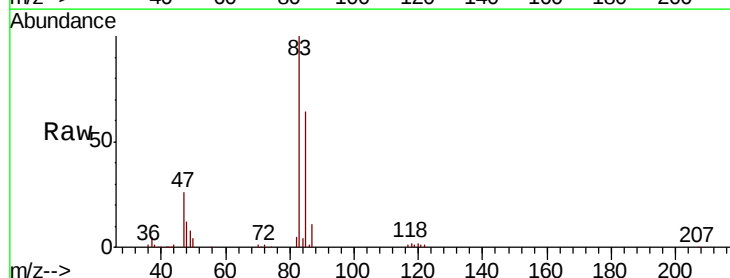
Acq: 17 Oct 2018 01:20

Tgt Ion: 83 Resp: 90567

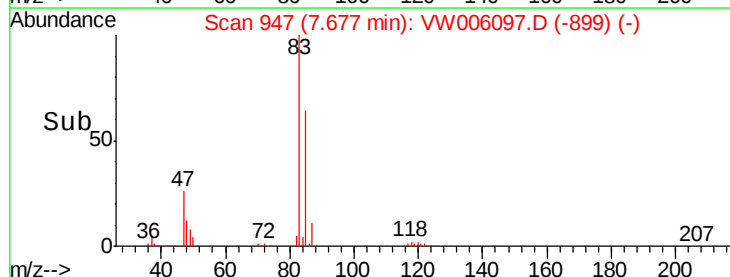
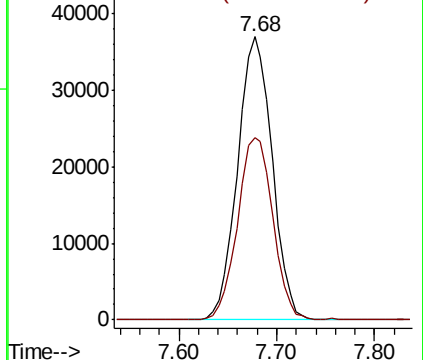
Ion Ratio Lower Upper

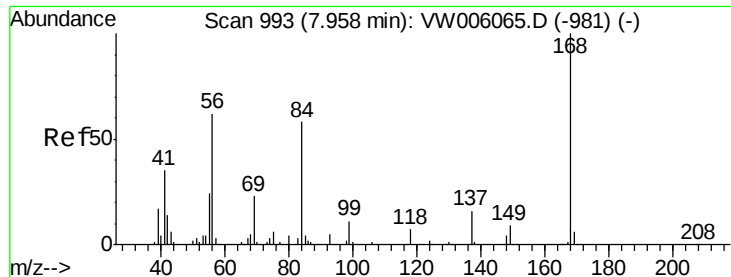
83 100

85 64.4 52.6 79.0



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

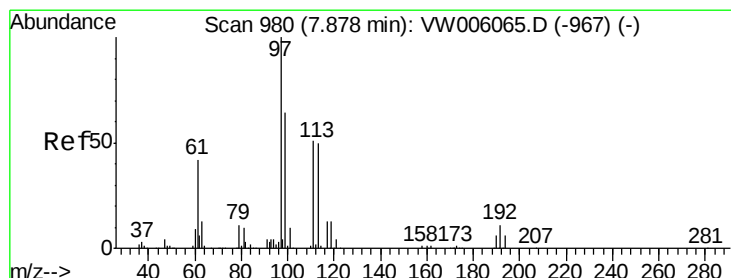
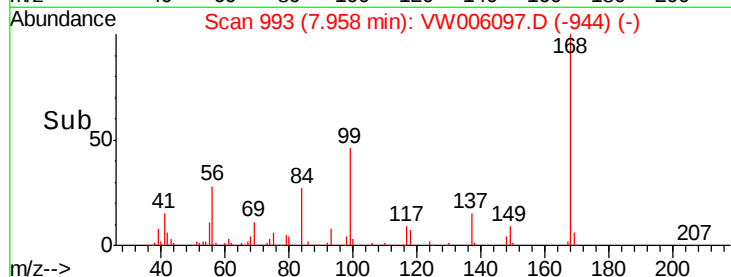
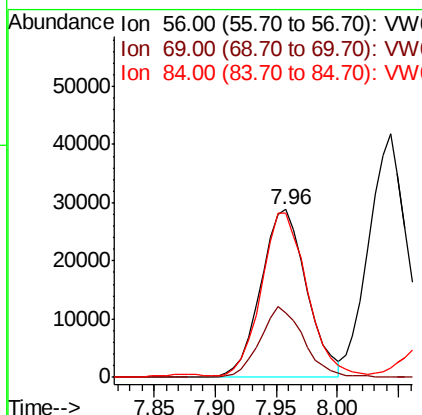
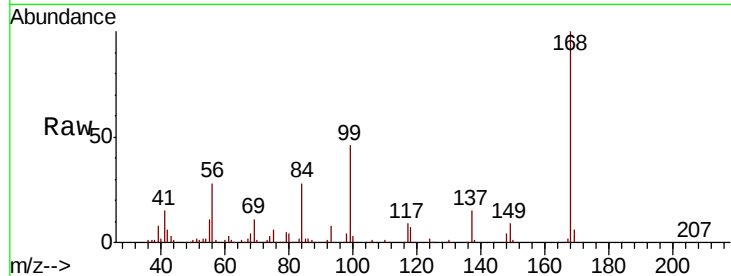




#31
Cyclohexane
Concen: 19.741 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

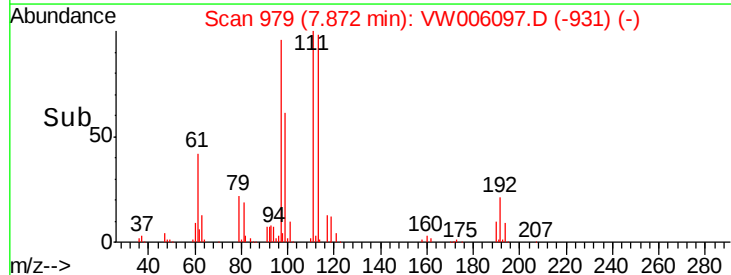
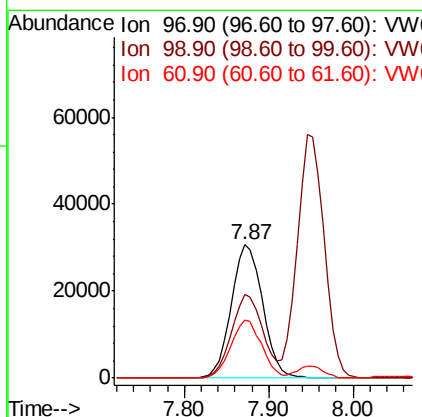
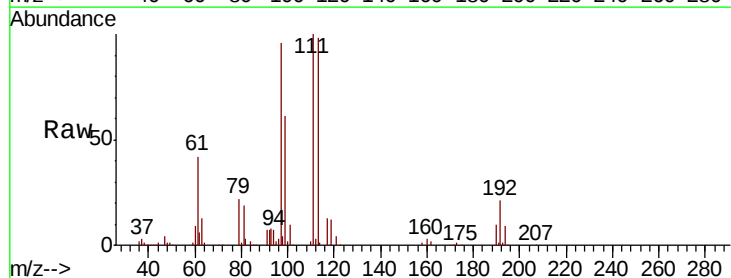
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

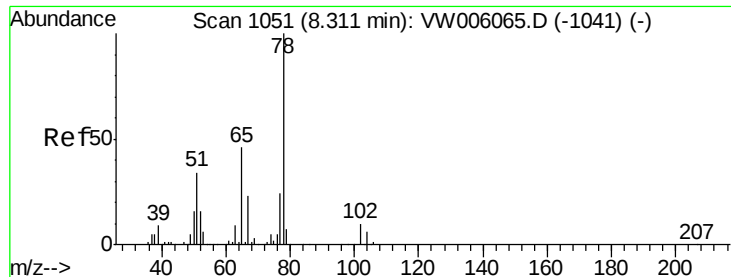
Tgt Ion: 56 Resp: 75301
Ion Ratio Lower Upper
56 100
69 38.2 29.4 44.0
84 95.7 74.0 111.0



#32
1,1,1-Trichloroethane
Concen: 20.580 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion: 97 Resp: 77471
Ion Ratio Lower Upper
97 100
99 62.2 50.9 76.3
61 42.5 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 52.178 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

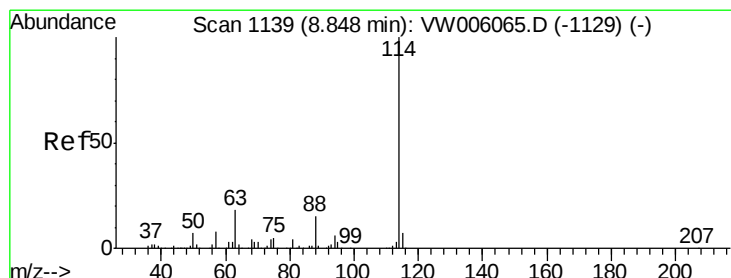
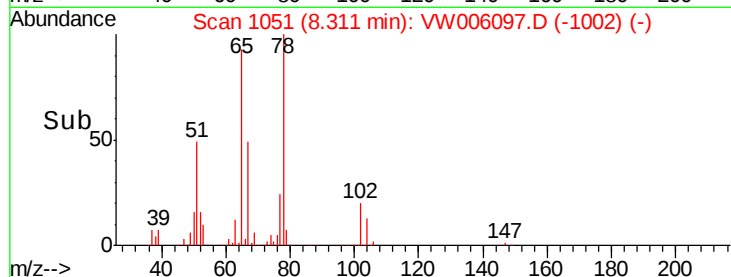
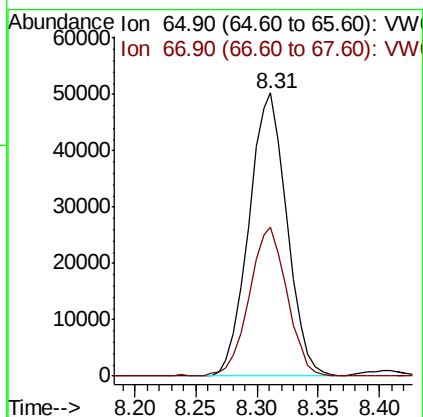
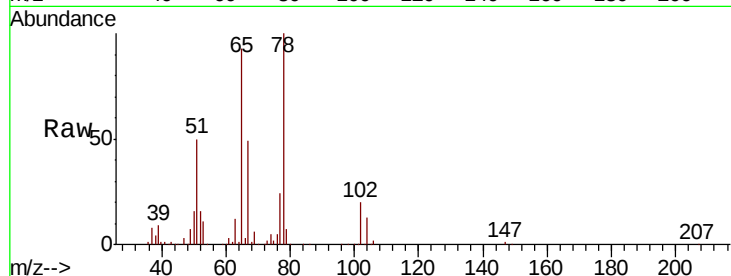
VW1016SBSD02

Tgt Ion: 65 Resp: 108768

Ion Ratio Lower Upper

65 100

67 52.5 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: VW006097.D

Acq: 17 Oct 2018 01:20

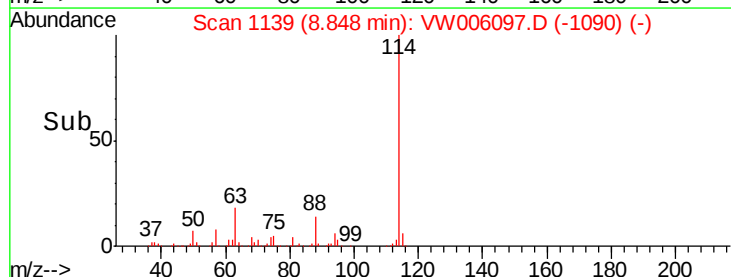
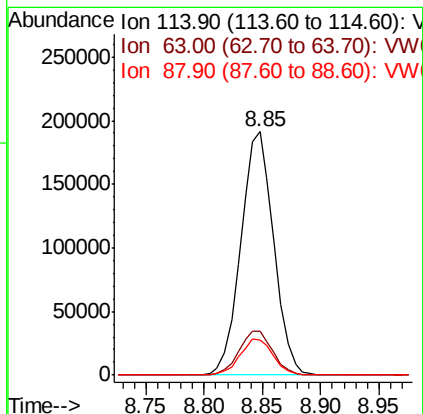
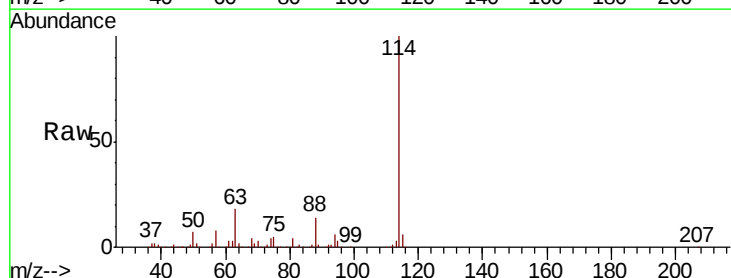
Tgt Ion: 114 Resp: 374778

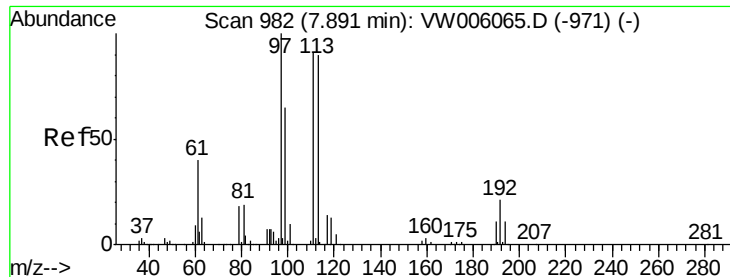
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 14.3 0.0 29.0

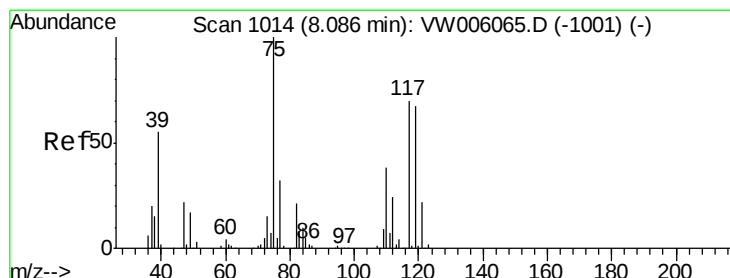
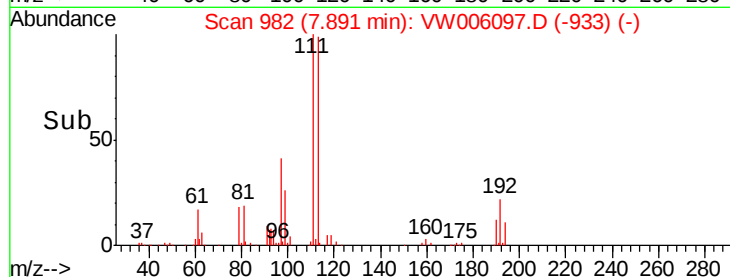
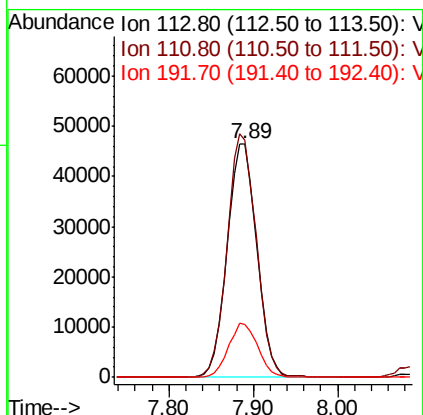
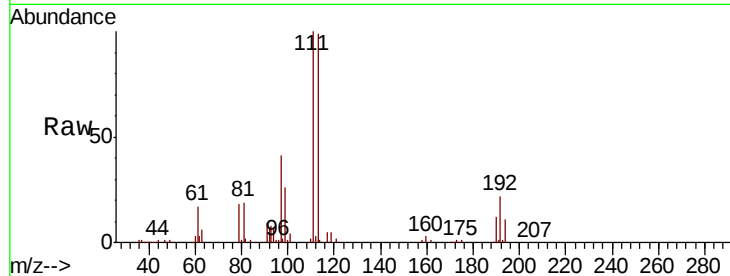




#35
 Dibromofluoromethane
 Concen: 50.184 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

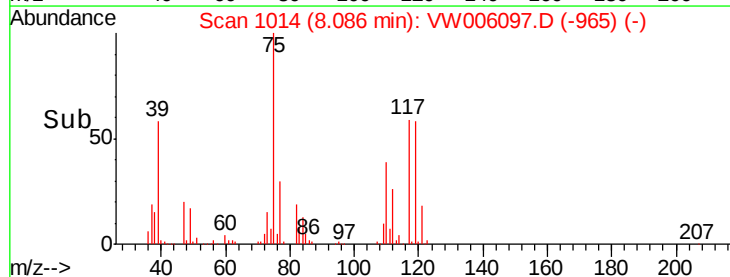
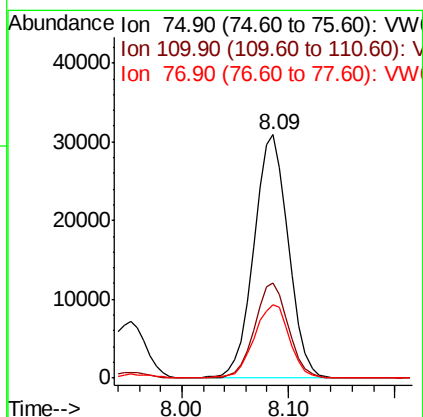
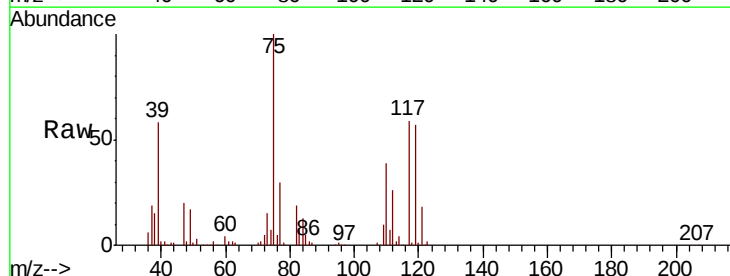
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

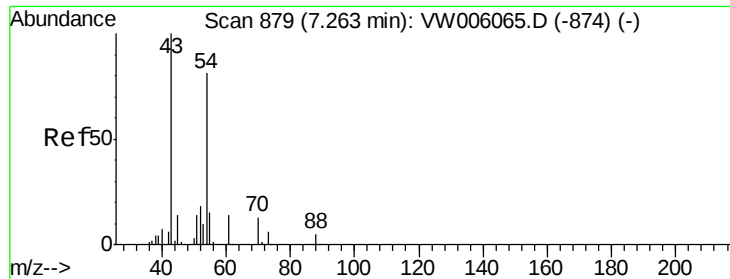
Tgt Ion: 113 Resp: 111135
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 22.8 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 20.299 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion: 75 Resp: 70122
 Ion Ratio Lower Upper
 75 100
 110 38.1 19.1 57.1
 77 30.9 25.0 37.4

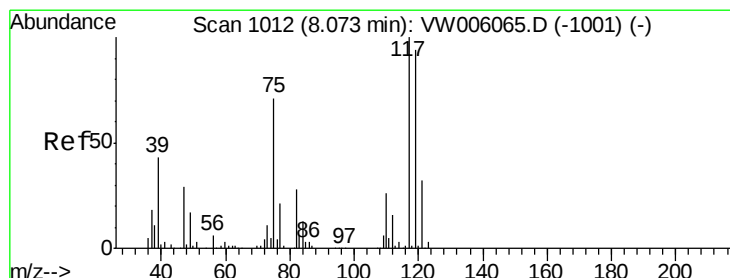
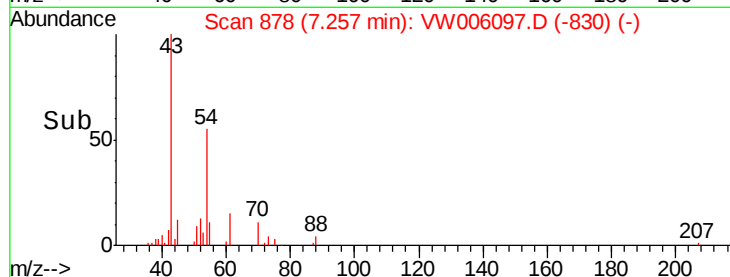
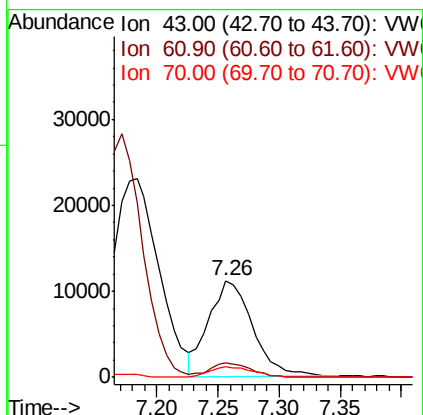
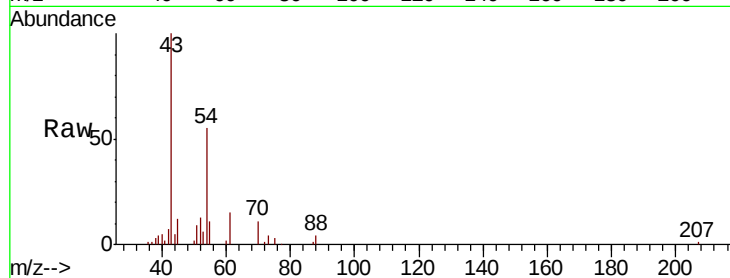




#37
 Ethyl Acetate
 Concen: 21.742 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

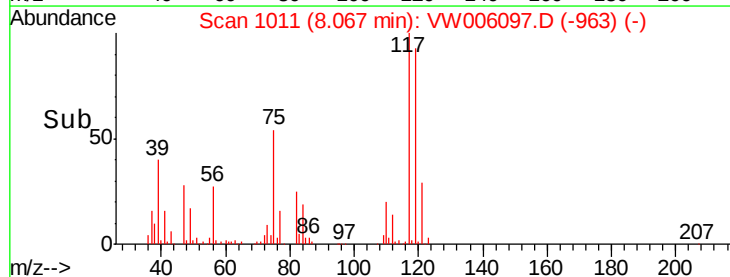
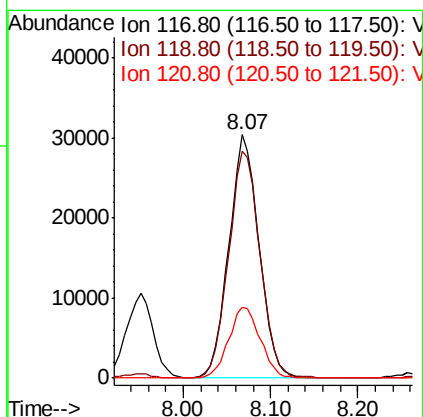
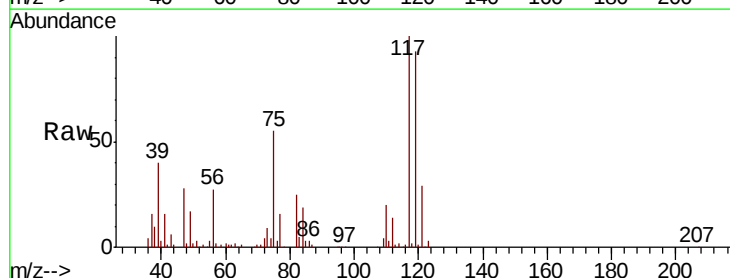
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

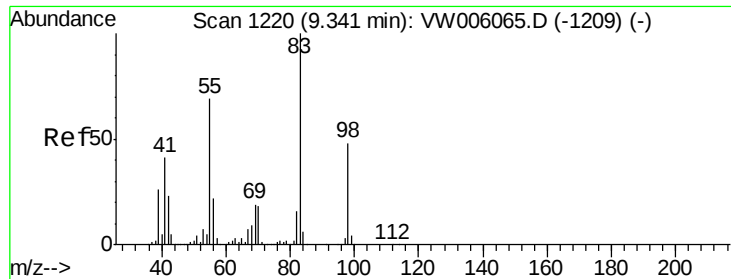
Tgt Ion: 43 Resp: 27905
 Ion Ratio Lower Upper
 43 100
 61 14.3 11.5 17.3
 70 11.2 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 19.241 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion: 117 Resp: 72862
 Ion Ratio Lower Upper
 117 100
 119 93.2 75.2 112.8
 121 29.2 25.3 37.9

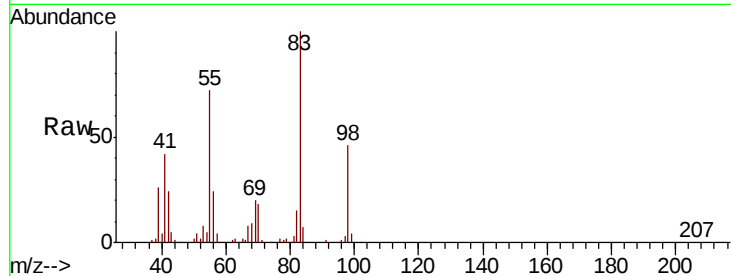




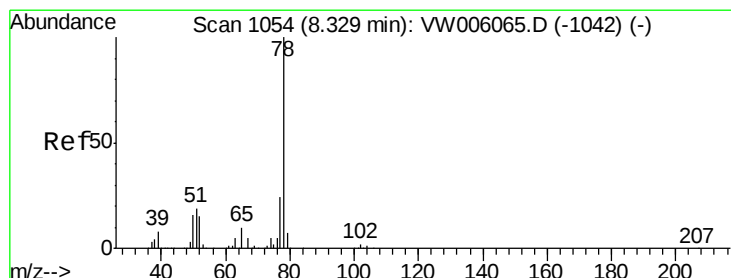
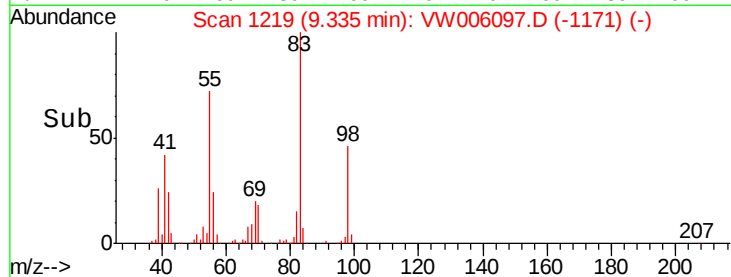
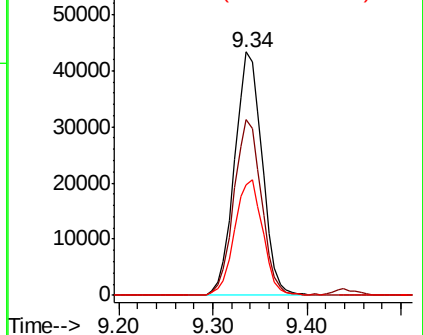
#39
Methylcyclohexane
Concen: 19.226 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

Tgt Ion: 83 Resp: 88282
Ion Ratio Lower Upper
83 100
55 72.2 55.0 82.6
98 45.6 38.6 57.8

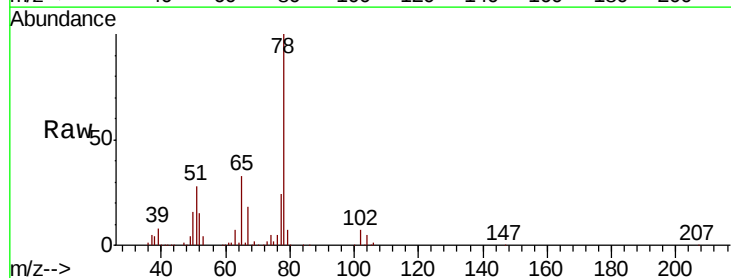


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

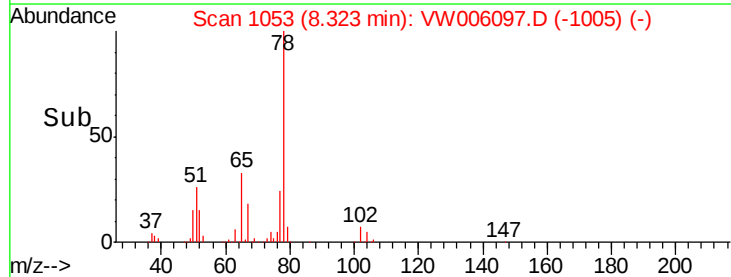
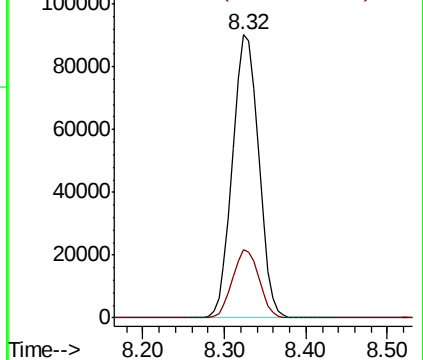


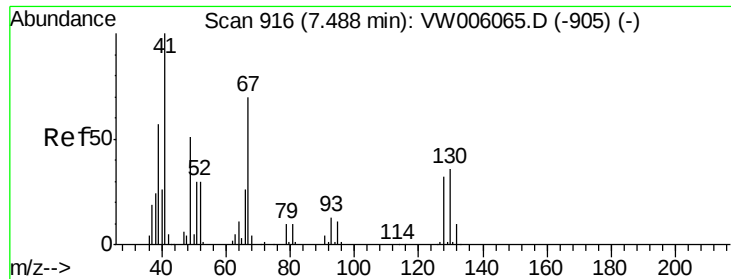
#40
Benzene
Concen: 21.113 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion: 78 Resp: 200060
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

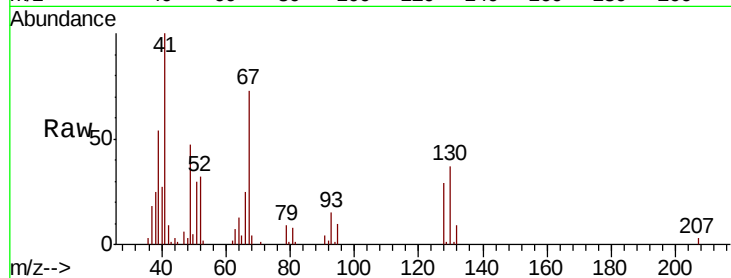




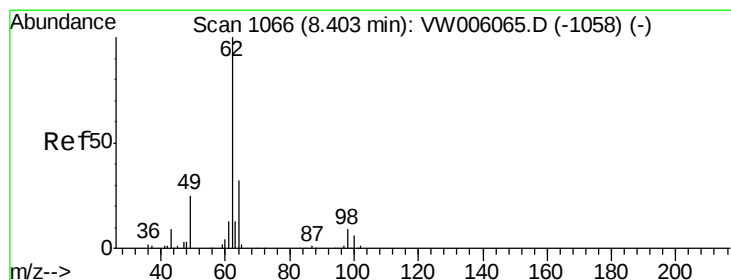
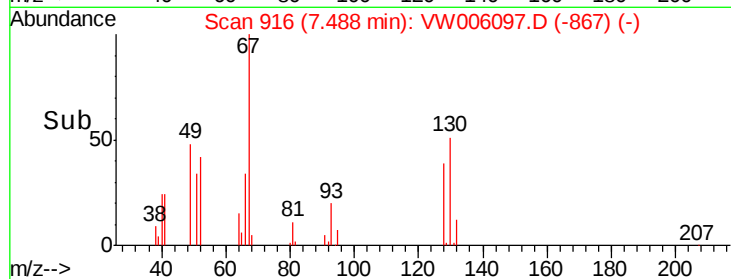
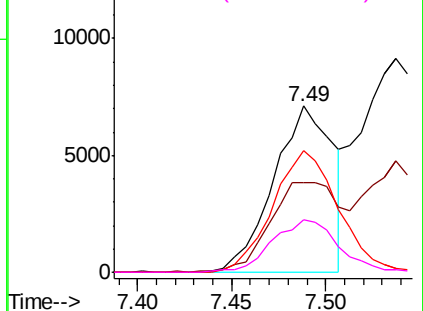
#41
Methacrylonitrile
Concen: 20.203 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

Tgt Ion:	41	Resp:	15631
Ion	Ratio	Lower	Upper
41	100		
39	65.3	46.2	69.4
67	80.6	57.7	86.5
52	35.0	24.7	37.1

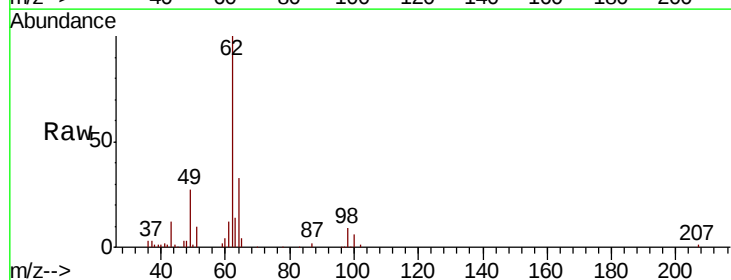


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

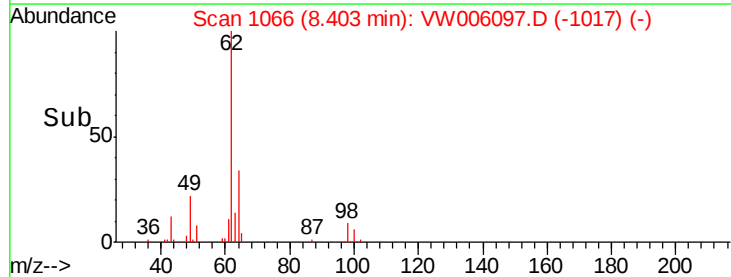
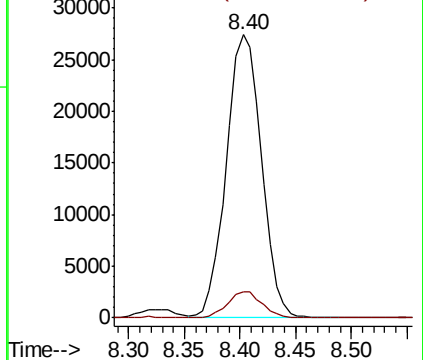


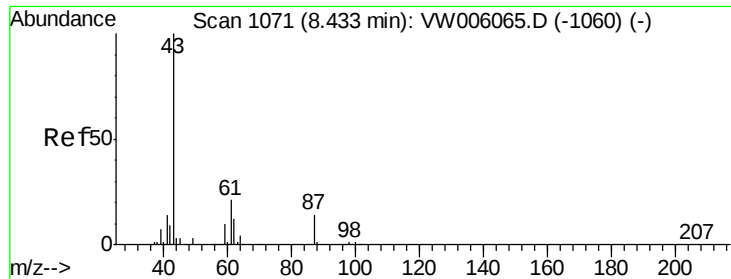
#42
1,2-Dichloroethane
Concen: 21.584 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion:	62	Resp:	60088
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 21.343 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

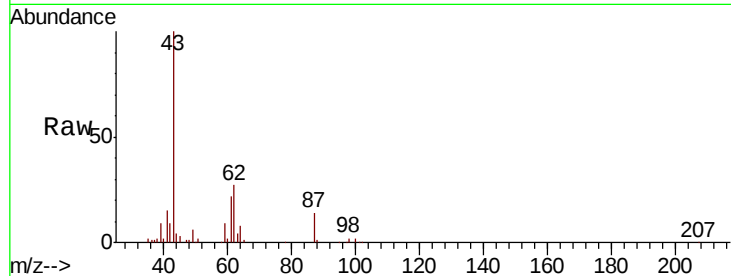
Tgt Ion: 43 Resp: 56009

Ion Ratio Lower Upper

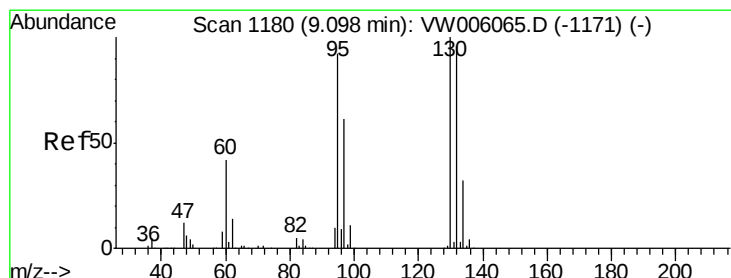
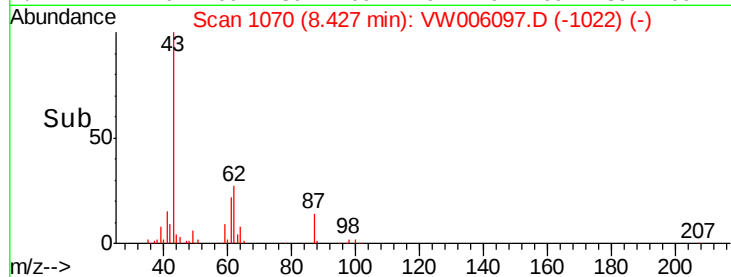
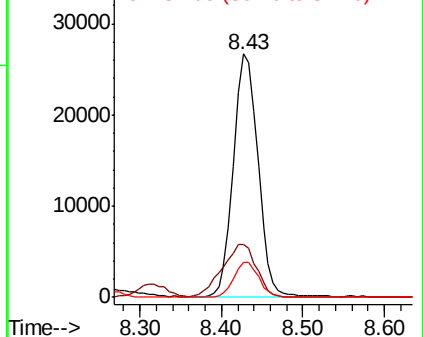
43 100

61 30.1 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: 20.667 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006097.D

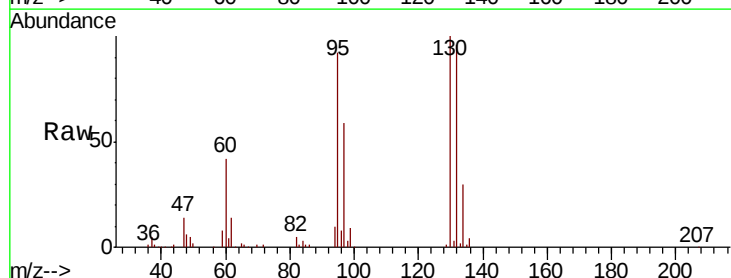
Acq: 17 Oct 2018 01:20

Tgt Ion: 130 Resp: 60082

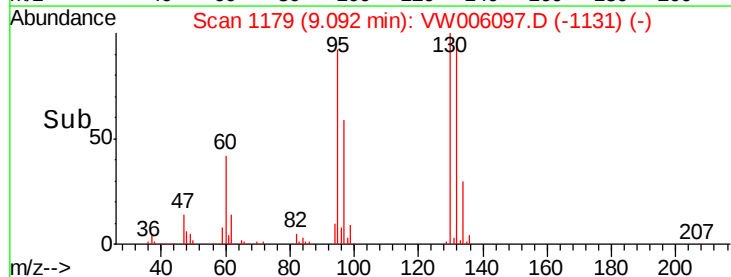
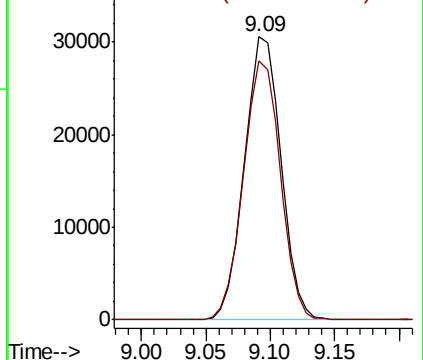
Ion Ratio Lower Upper

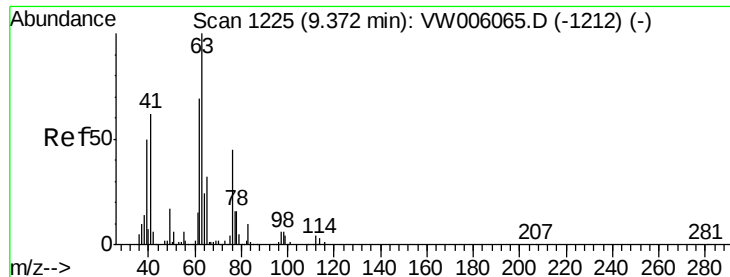
130 100

95 91.7 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

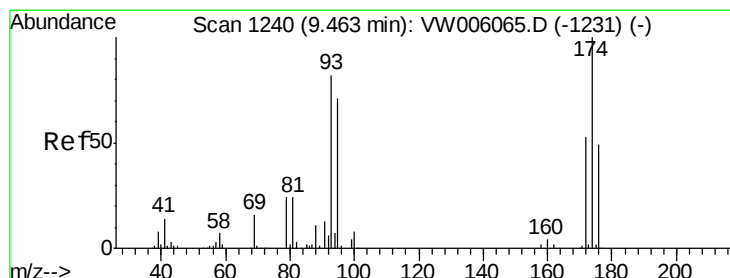
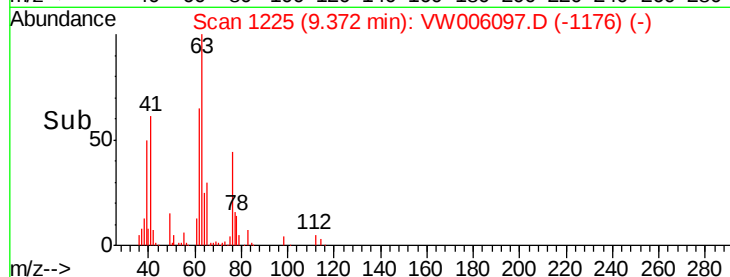
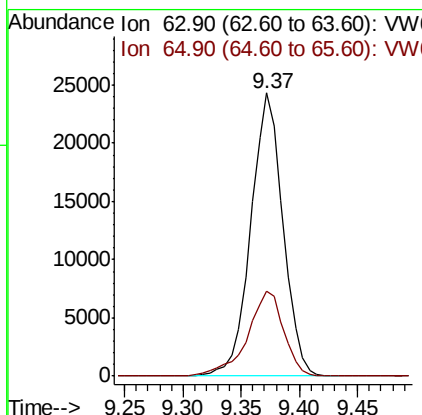
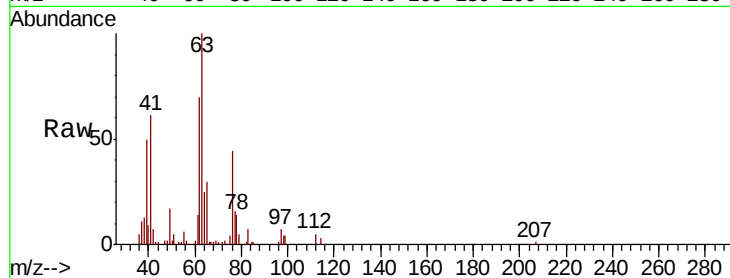




#45
 1,2-Dichloropropane
 Concen: 20.571 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

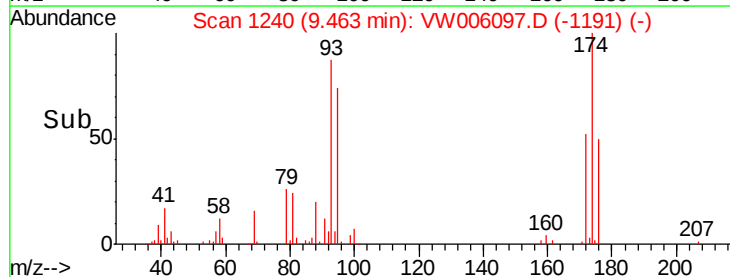
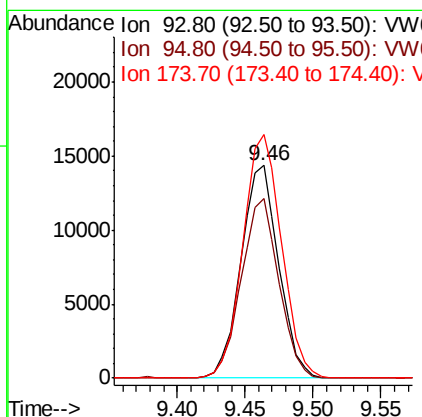
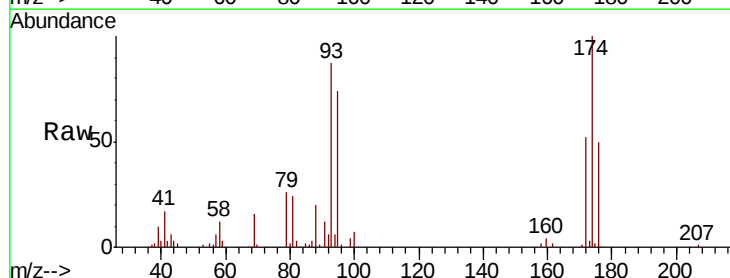
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

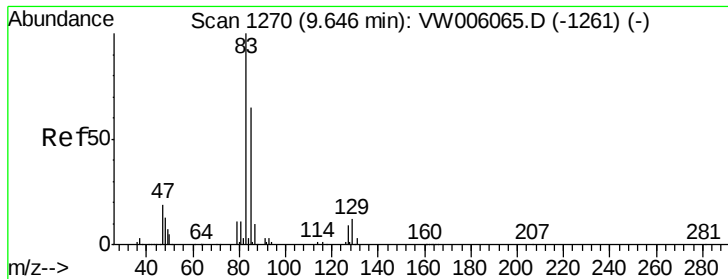
Tgt Ion: 63 Resp: 46644
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.4 38.0



#46
 Dibromomethane
 Concen: 21.534 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion: 93 Resp: 27830
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.7 101.5
 174 117.4 93.7 140.5

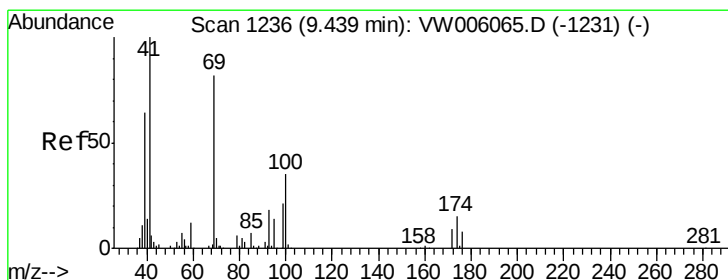
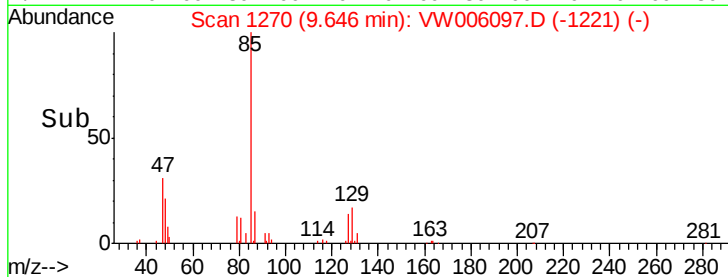
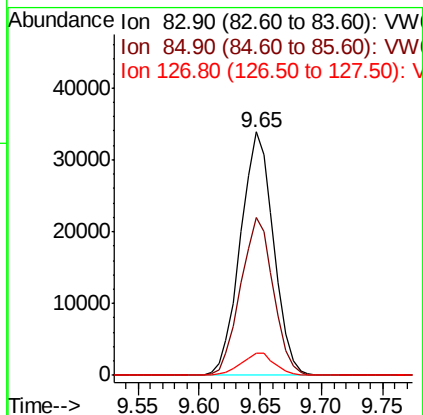
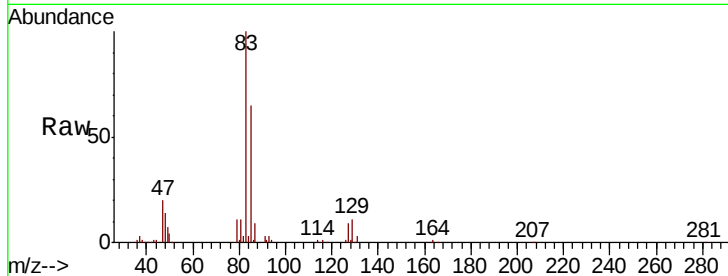




#47
Bromodichloromethane
Concen: 20.287 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

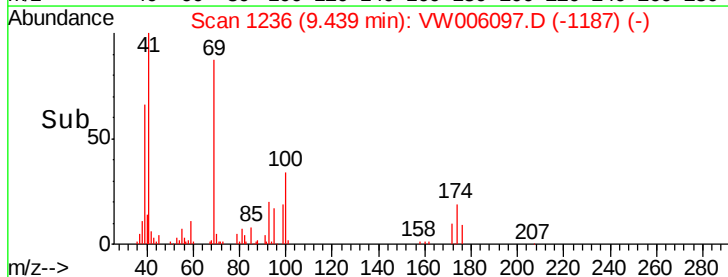
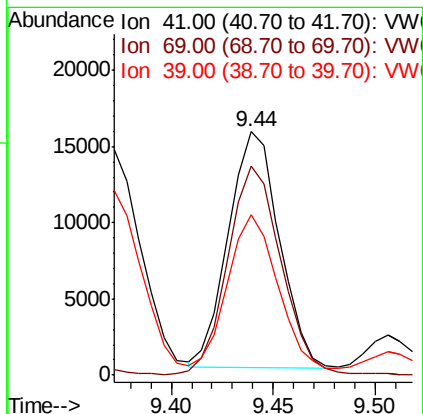
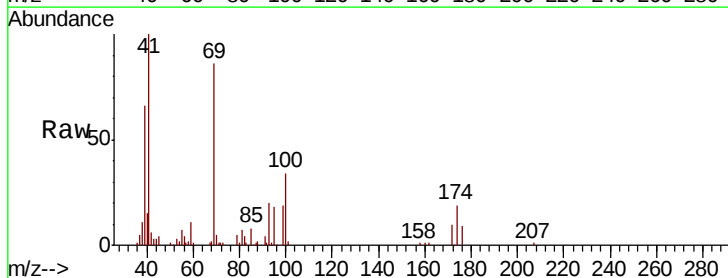
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

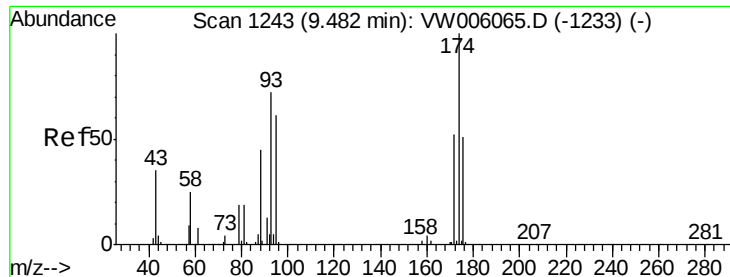
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.8
127	9.0	6.9	10.3



#48
Methyl methacrylate
Concen: 21.683 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.0	71.8	107.8
39	63.3	52.5	78.7





#49

1,4-Dioxane

Concen: 456.189 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

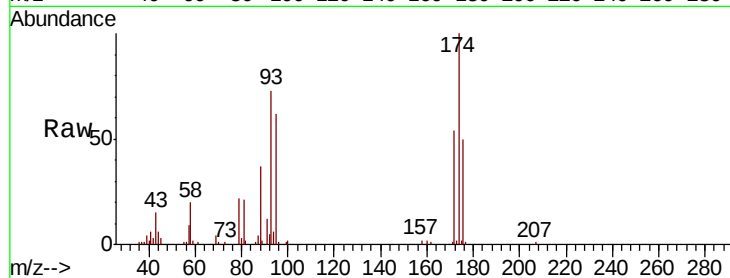
Tgt Ion: 88 Resp: 9076

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

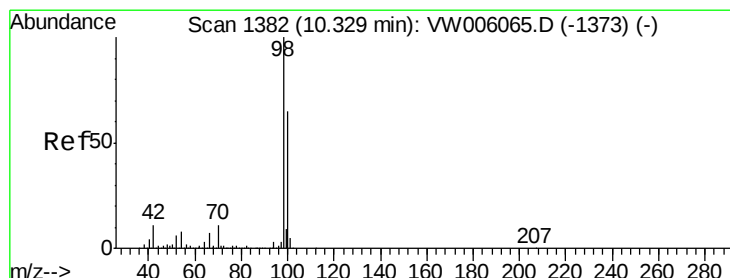
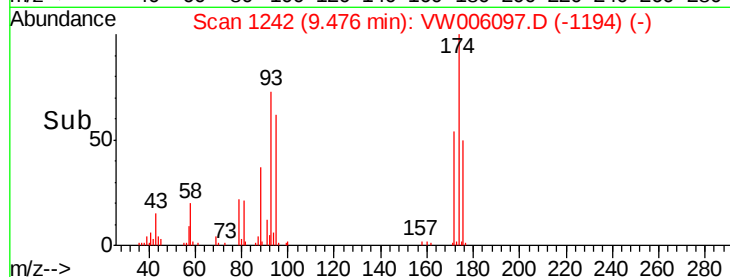
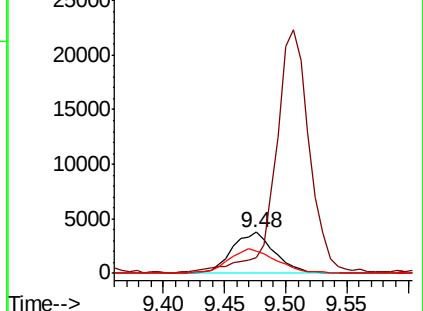
58 66.6 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.363 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006097.D

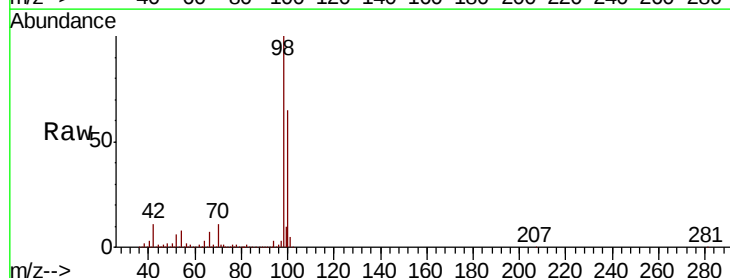
Acq: 17 Oct 2018 01:20

Tgt Ion: 98 Resp: 415898

Ion Ratio Lower Upper

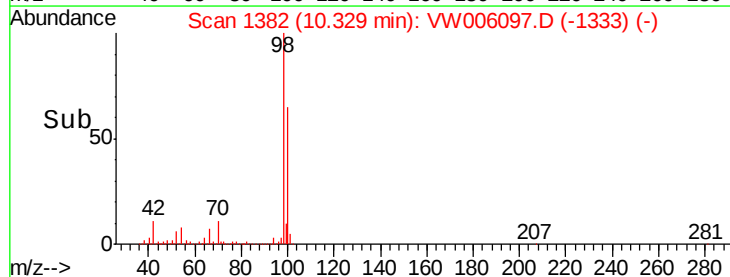
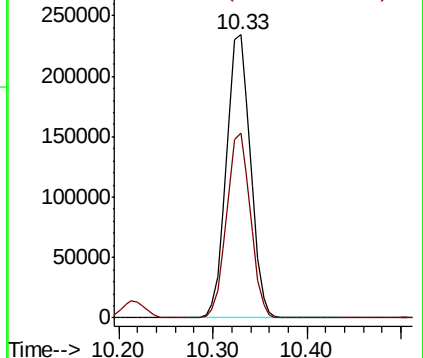
98 100

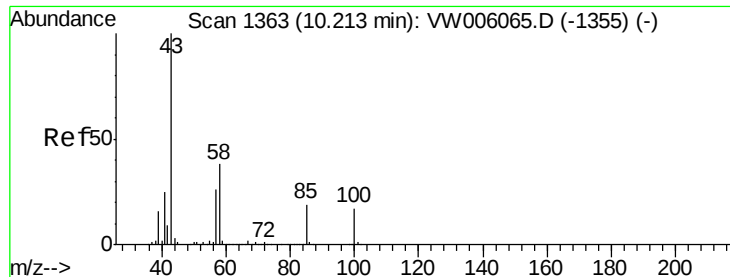
100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

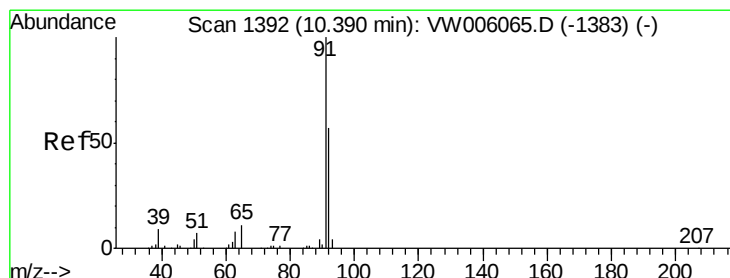
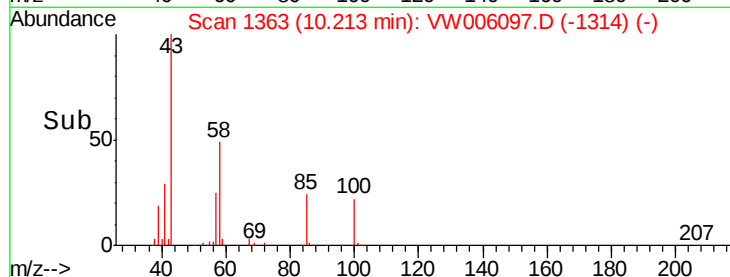
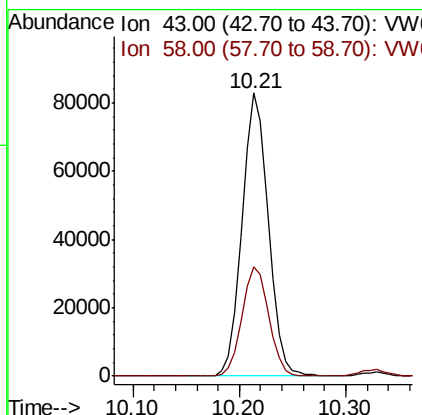
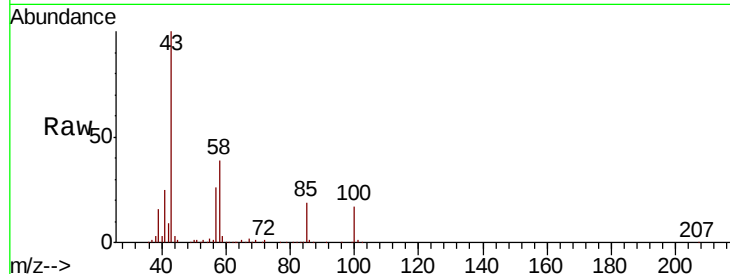




#51
 4-Methyl-2-Pentanone
 Concen: 109.612 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

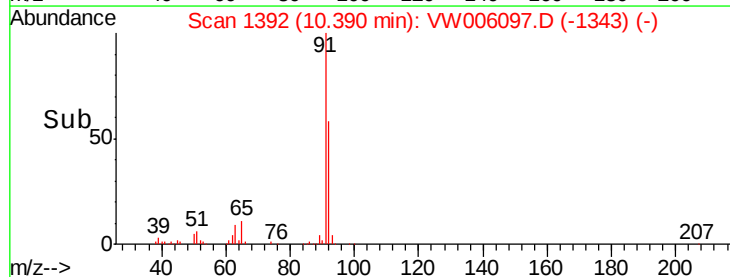
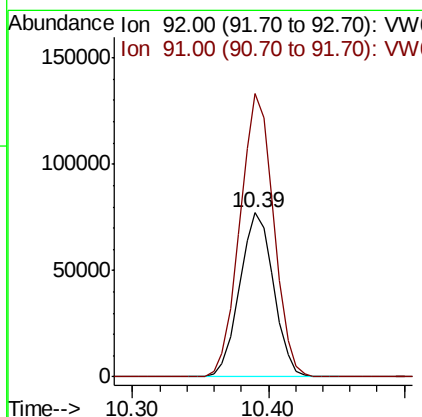
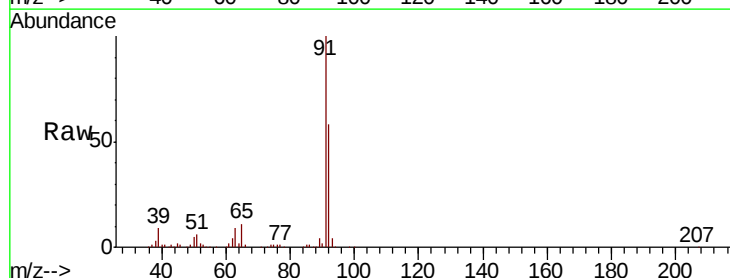
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

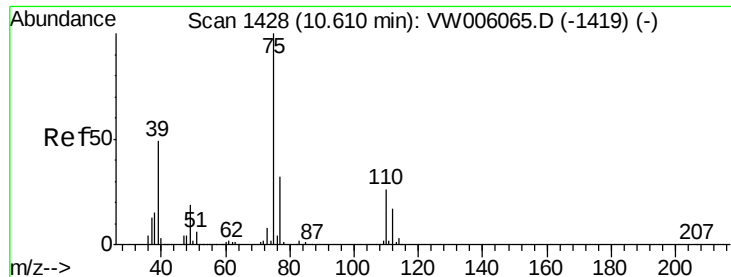
Tgt Ion: 43 Resp: 144119
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.5 47.3



#52
 Toluene
 Concen: 21.145 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion: 92 Resp: 134330
 Ion Ratio Lower Upper
 92 100
 91 171.7 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 19.576 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

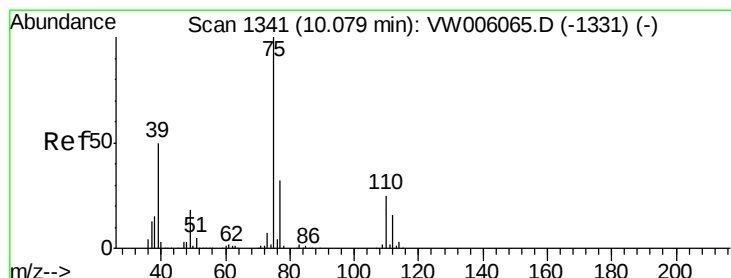
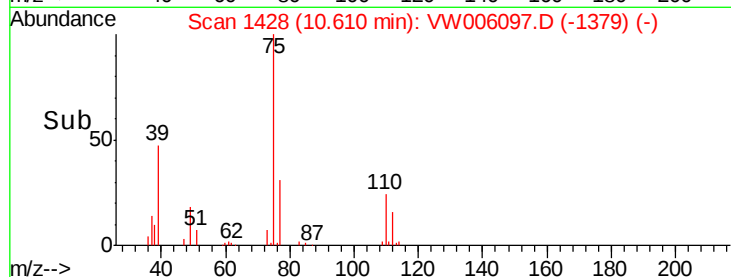
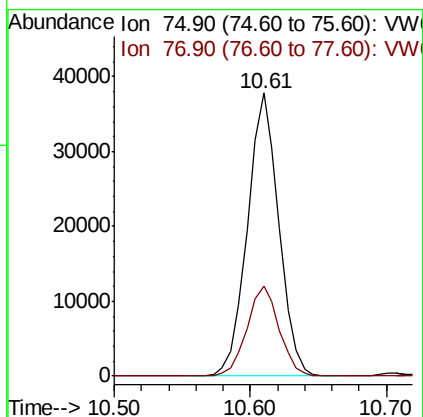
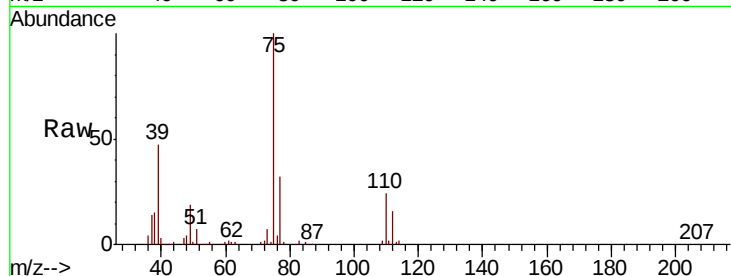
VW1016SBSD02

Tgt Ion: 75 Resp: 61112

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.040 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

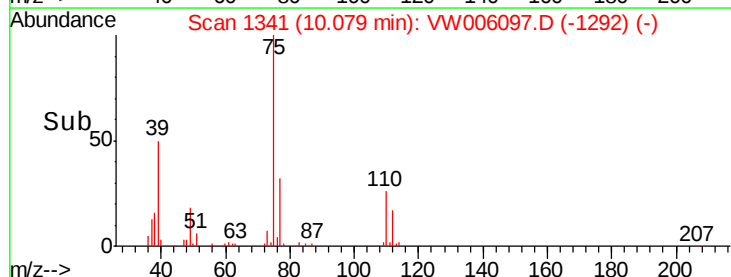
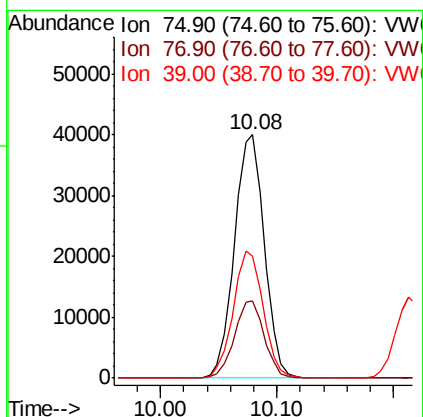
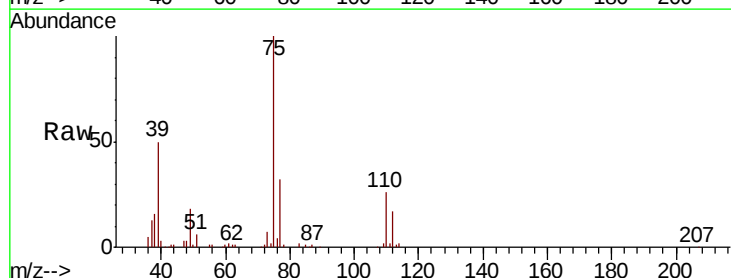
Tgt Ion: 75 Resp: 71800

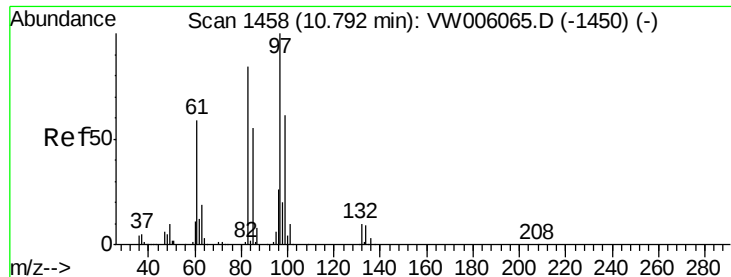
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 50.2 39.9 59.9

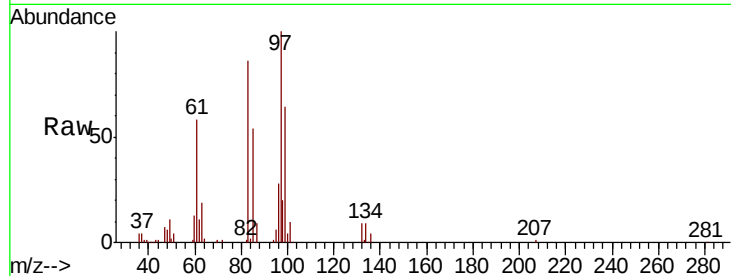




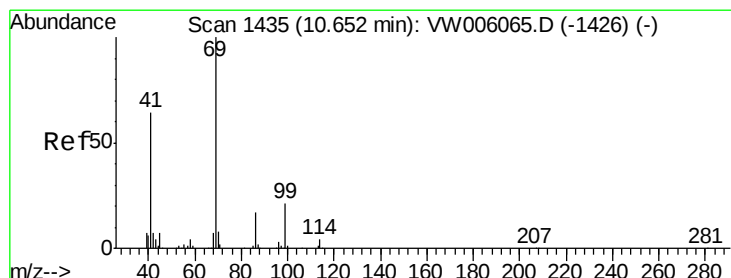
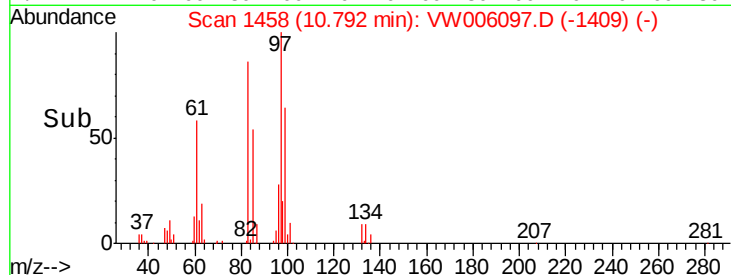
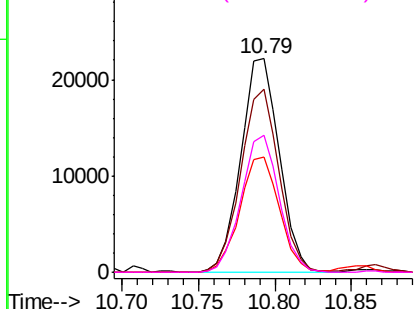
#55
 1,1,2-Trichloroethane
 Concen: 21.482 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

Tgt Ion:	97	Resp:	38850
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.2	100.8
85	54.1	43.7	65.5
99	64.3	48.5	72.7

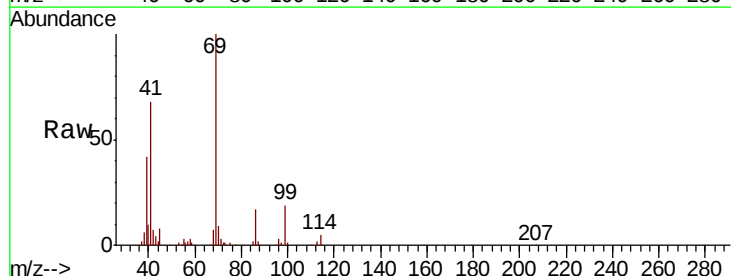


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

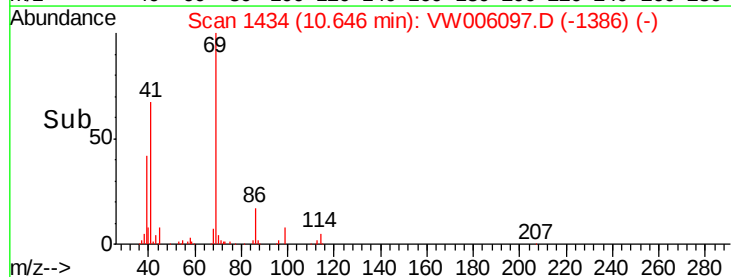
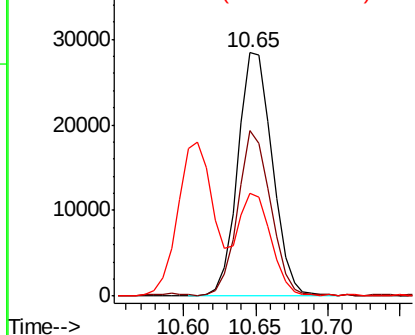


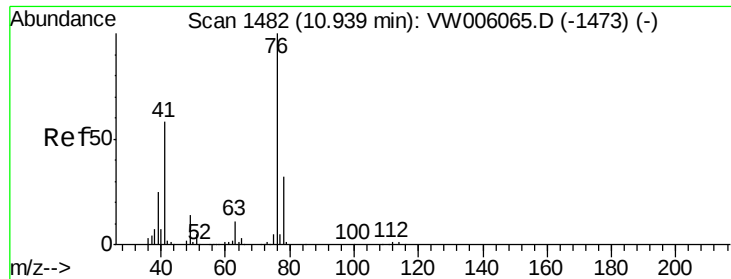
#56
 Ethyl methacrylate
 Concen: 21.466 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion:	69	Resp:	47591
Ion	Ratio	Lower	Upper
69	100		
41	63.2	52.8	79.2
39	40.9	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

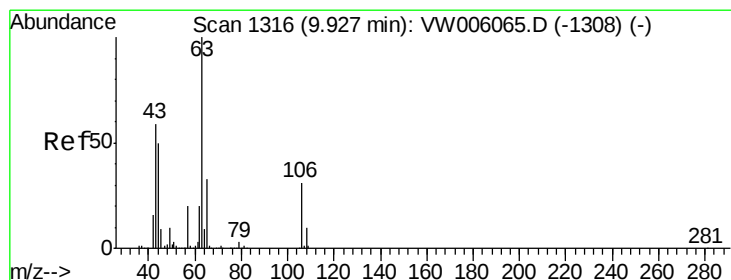
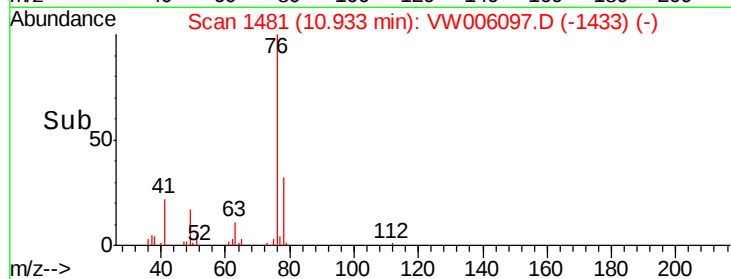
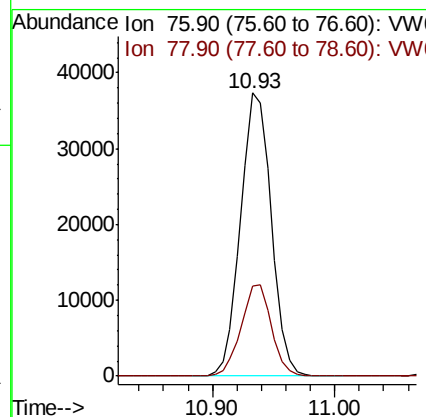
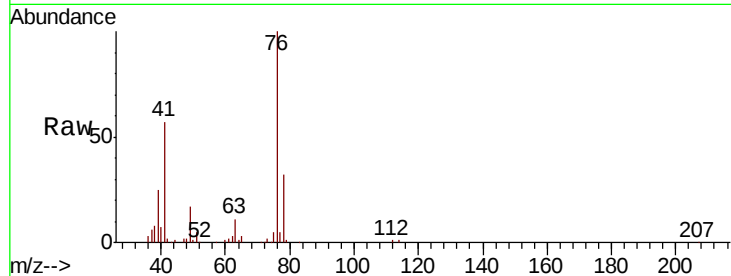




#57
 1,3-Dichloropropane
 Concen: 21.705 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

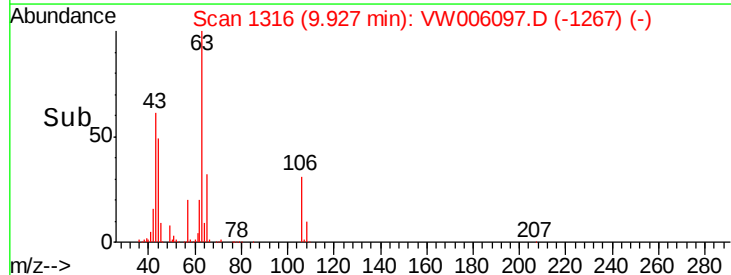
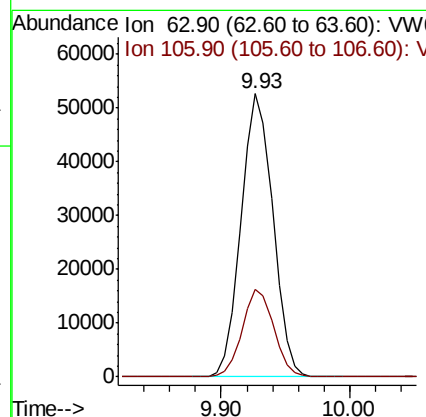
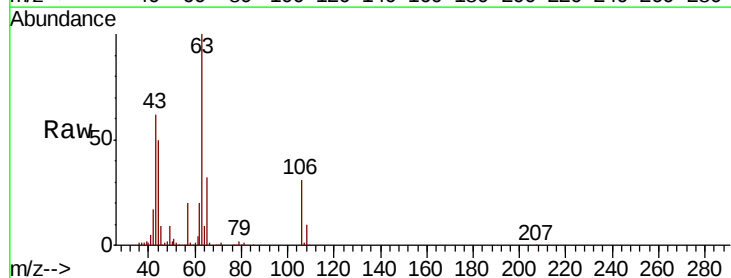
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

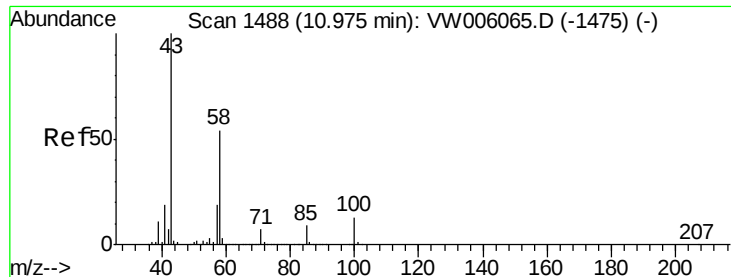
Tgt Ion: 76 Resp: 64980
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.418 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion: 63 Resp: 90154
 Ion Ratio Lower Upper
 63 100
 106 30.6 24.5 36.7

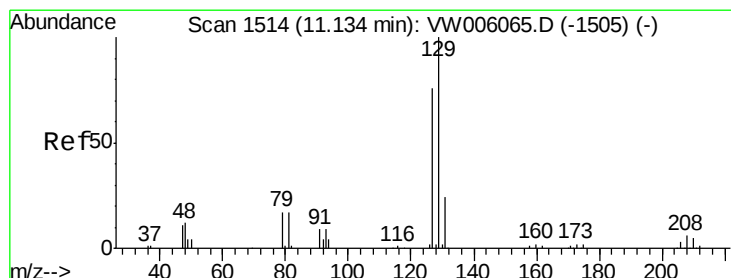
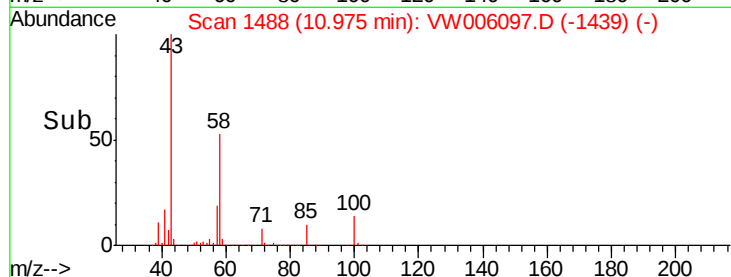
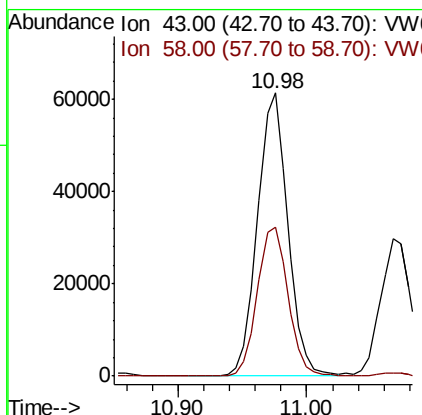
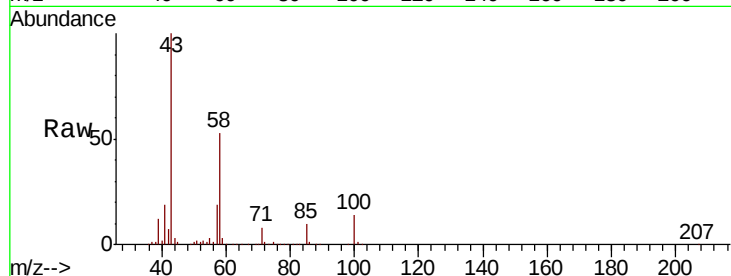




#59
2-Hexanone
Concen: 106.547 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

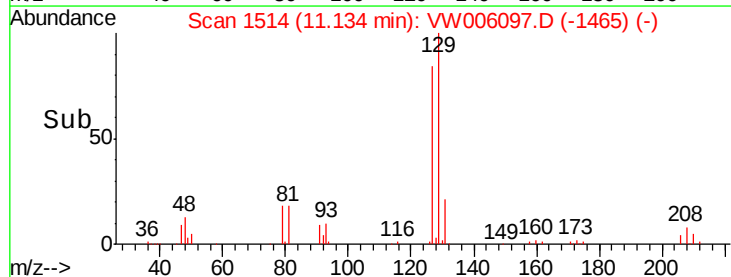
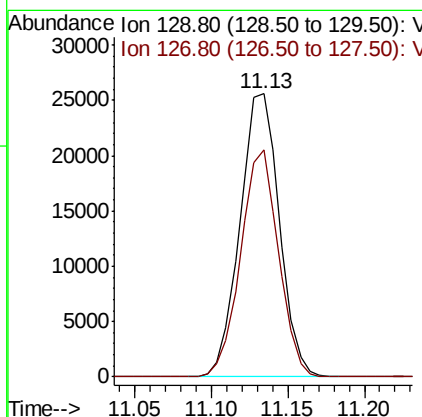
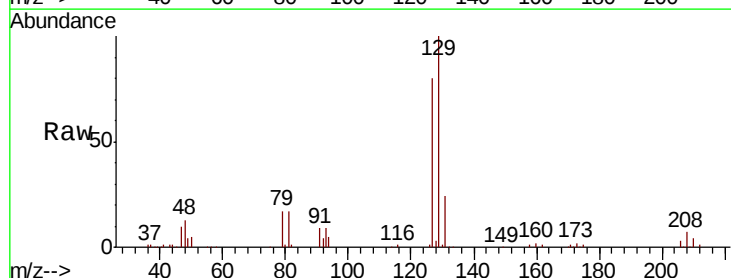
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

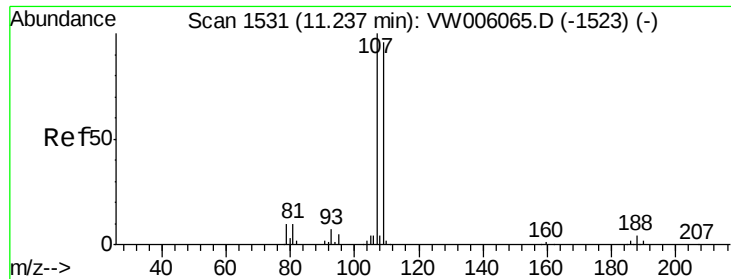
Tgt Ion: 43 Resp: 100001
Ion Ratio Lower Upper
43 100
58 53.6 26.9 80.6



#60
Dibromochloromethane
Concen: 20.322 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion: 129 Resp: 45778
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.535 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

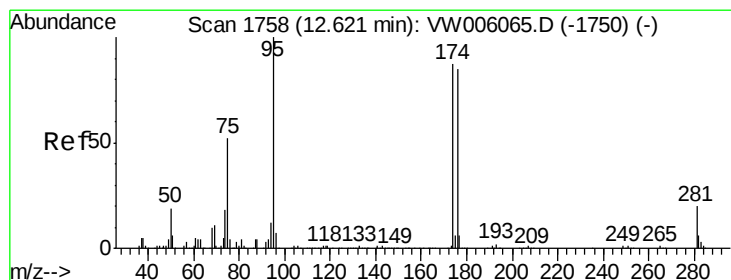
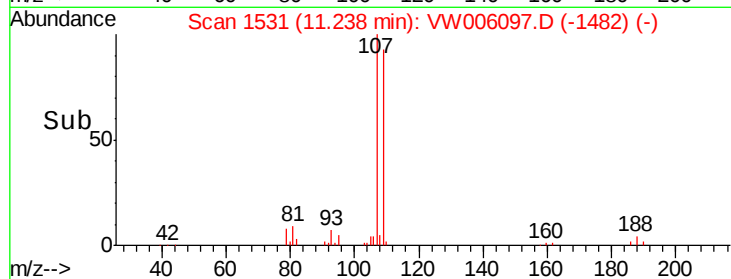
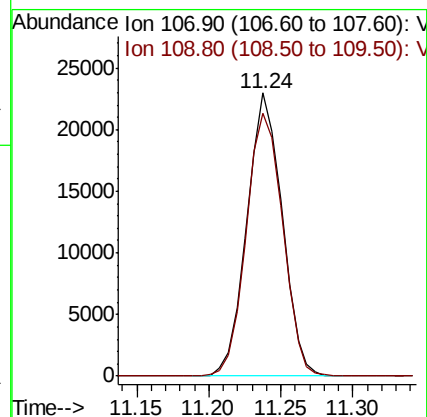
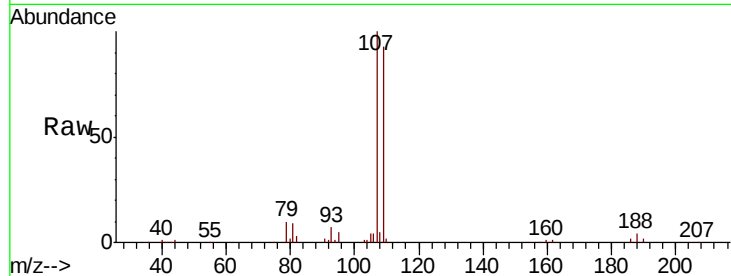
VW1016SBSD02

Tgt Ion: 107 Resp: 38914

Ion Ratio Lower Upper

107 100

109 96.0 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 49.581 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

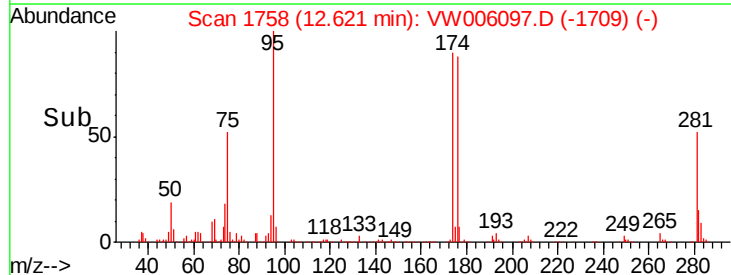
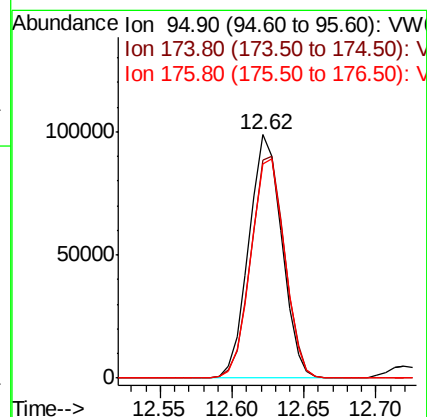
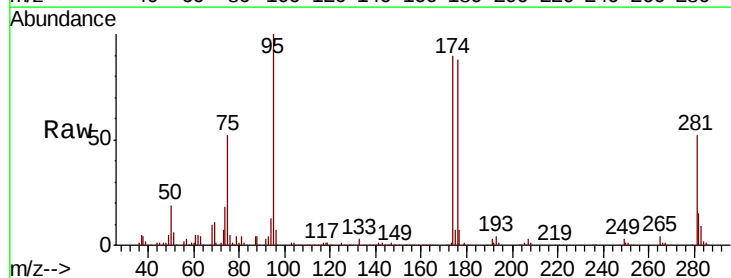
Tgt Ion: 95 Resp: 156896

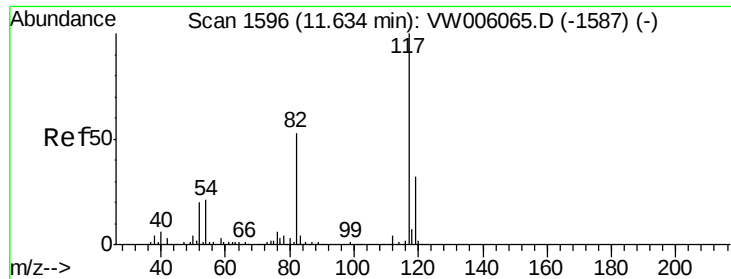
Ion Ratio Lower Upper

95 100

174 93.1 0.0 186.0

176 92.0 0.0 181.6

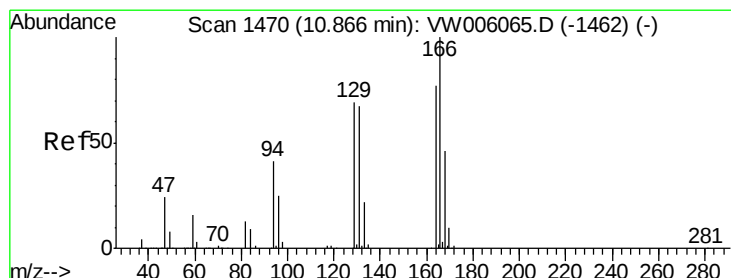
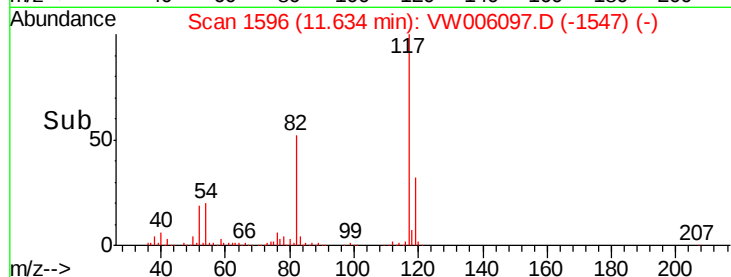
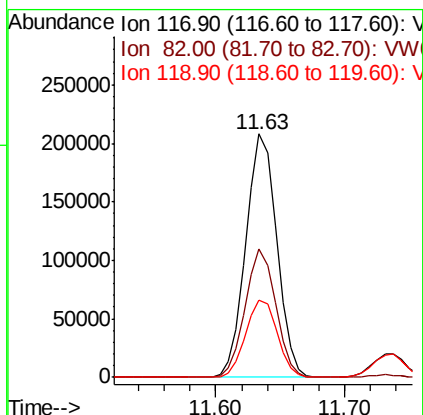
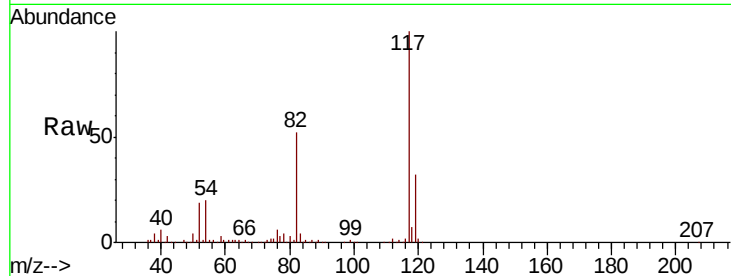




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

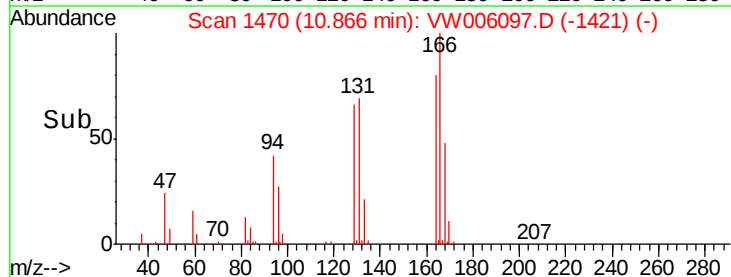
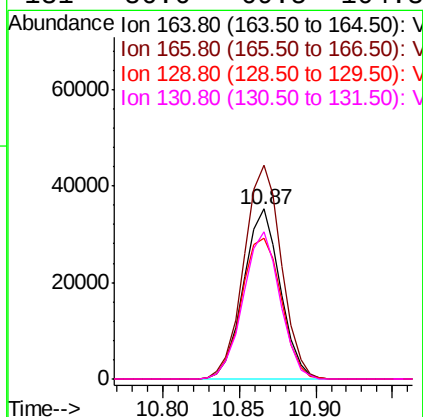
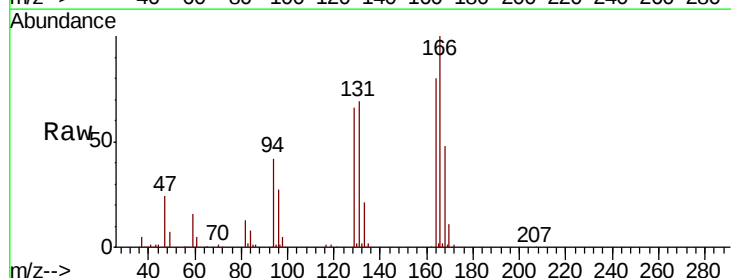
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

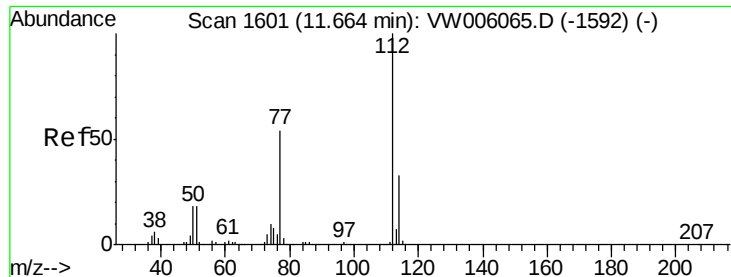
Tgt Ion:117 Resp: 345252
Ion Ratio Lower Upper
117 100
82 52.5 42.1 63.1
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 21.882 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion:164 Resp: 58647
Ion Ratio Lower Upper
164 100
166 125.8 103.4 155.0
129 83.1 71.8 107.8
131 86.6 69.5 104.3

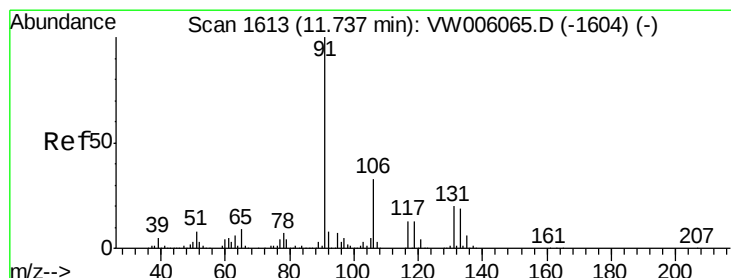
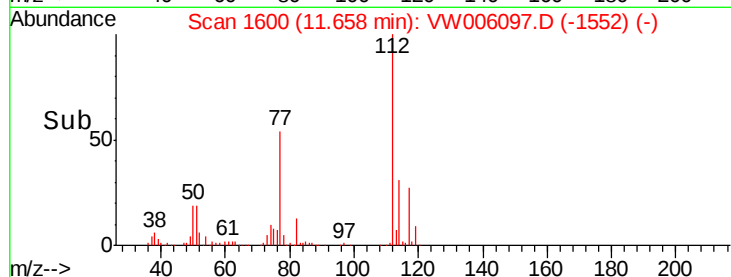
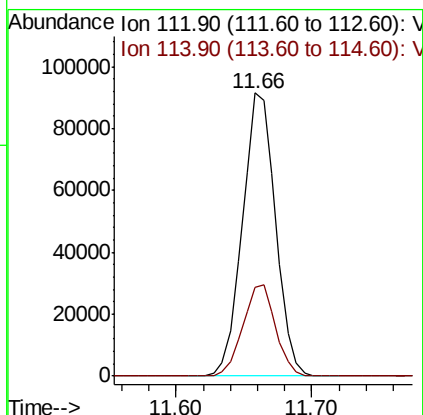
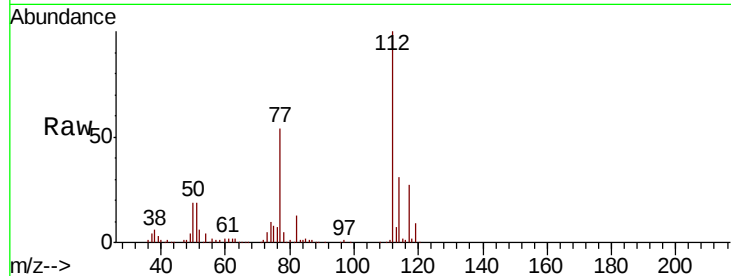




#65
Chlorobenzene
Concen: 21.043 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

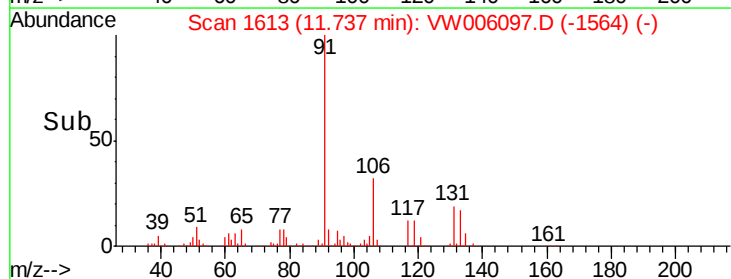
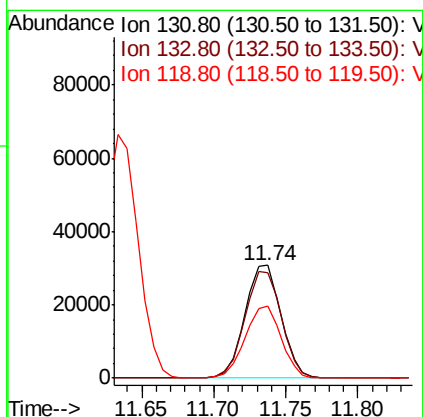
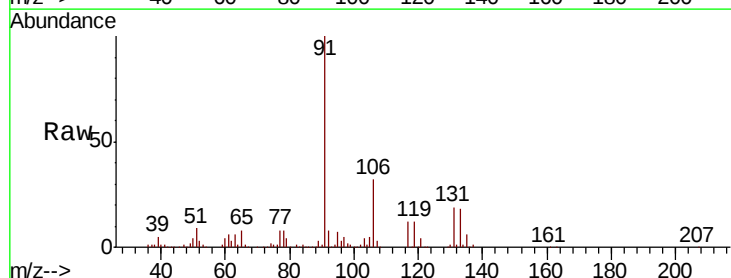
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

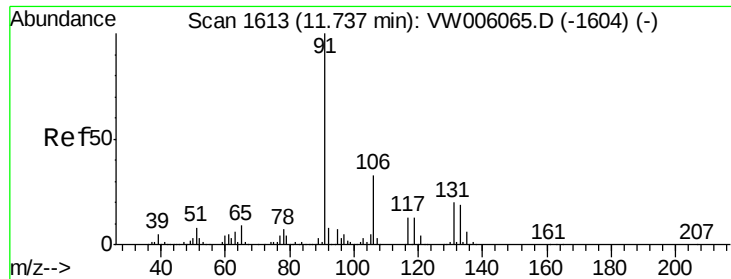
Tgt Ion:112 Resp: 155523
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.325 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion:131 Resp: 53385
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.3
119 63.6 31.6 94.7

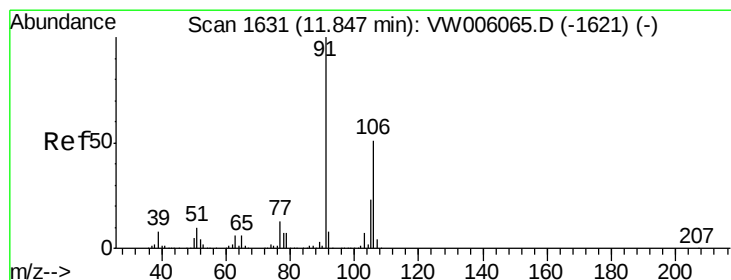
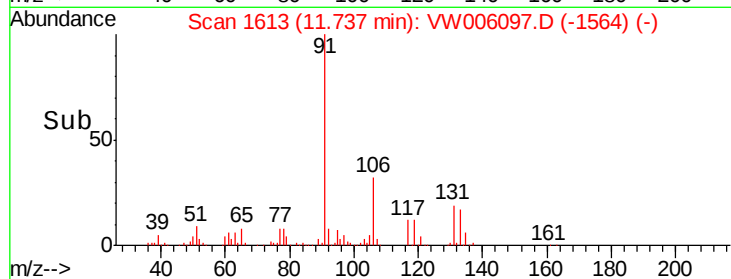
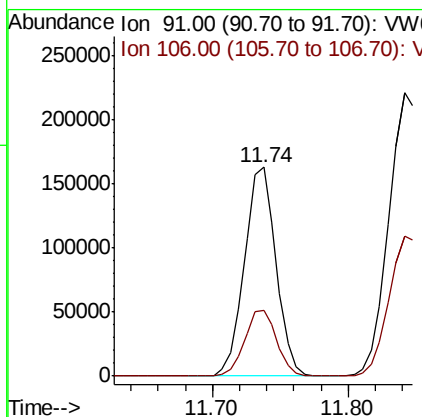
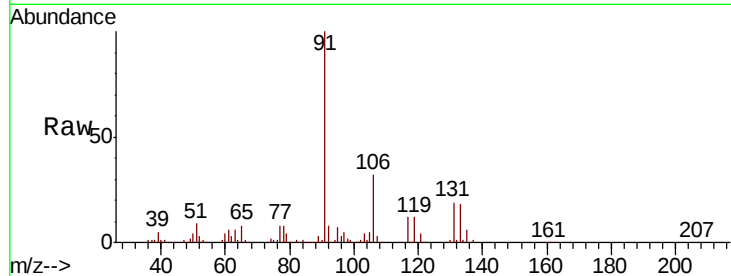




#67
Ethyl Benzene
Concen: 20.668 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

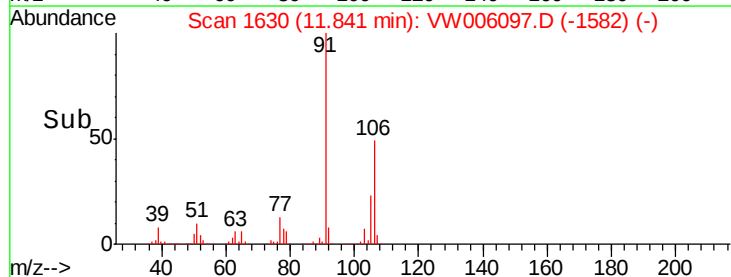
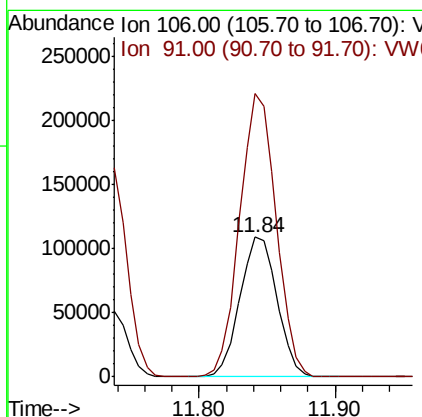
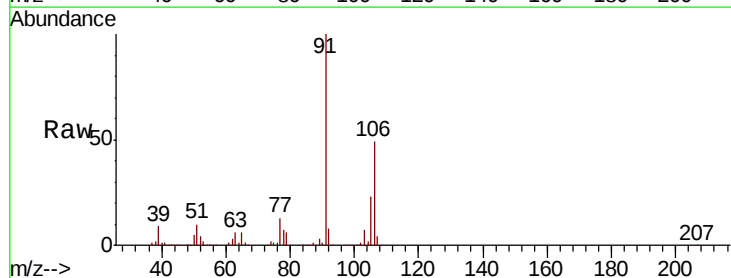
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

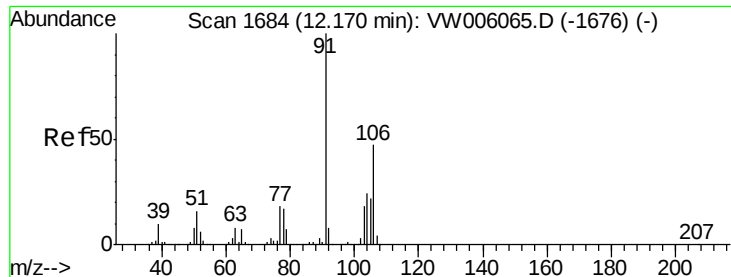
Tgt Ion: 91 Resp: 264721
Ion Ratio Lower Upper
91 100
106 31.6 26.1 39.1



#68
m/p-Xylenes
Concen: 41.183 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion: 106 Resp: 208494
Ion Ratio Lower Upper
106 100
91 199.3 159.1 238.7

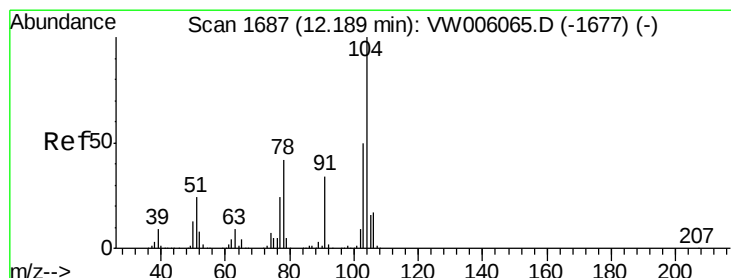
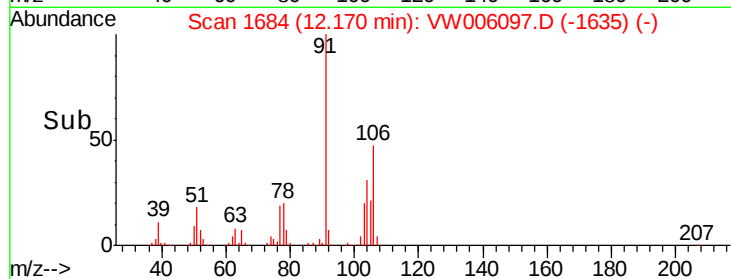
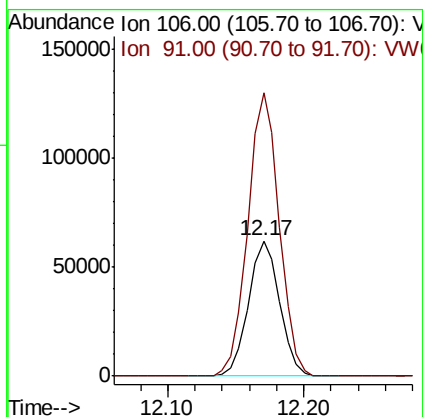
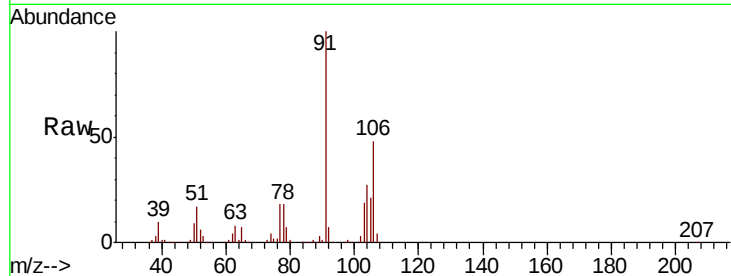




#69
o-Xylene
Concen: 20.733 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

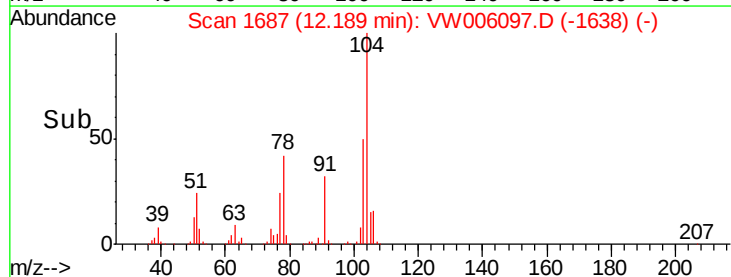
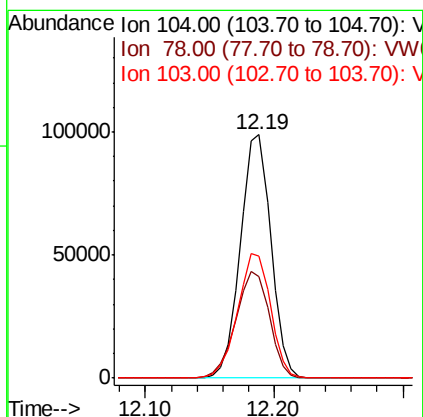
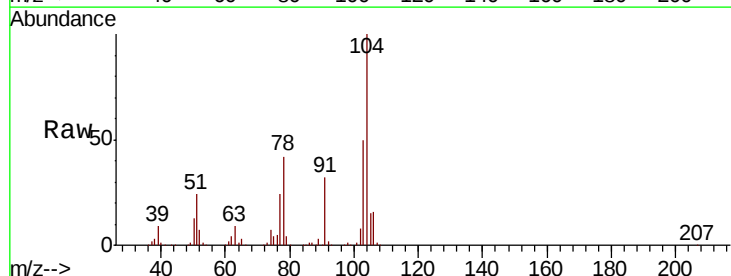
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

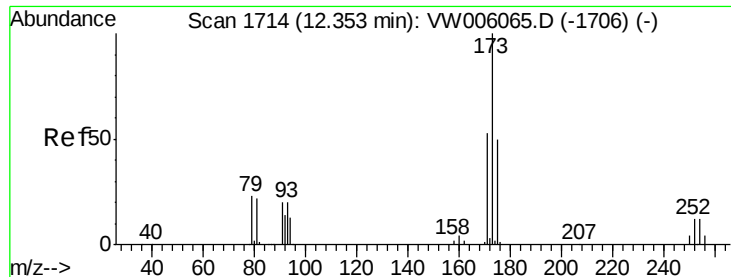
Tgt Ion:106 Resp: 100032
Ion Ratio Lower Upper
106 100
91 209.6 105.4 316.1



#70
Styrene
Concen: 20.671 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion:104 Resp: 162182
Ion Ratio Lower Upper
104 100
78 48.5 39.1 58.7
103 55.5 44.3 66.5





#71

Bromoform

Concen: 19.349 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

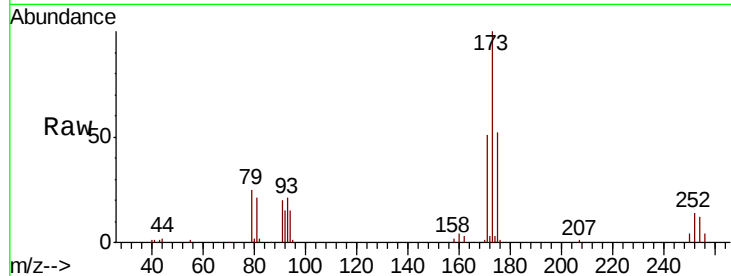
Tgt Ion:173 Resp: 28347

Ion Ratio Lower Upper

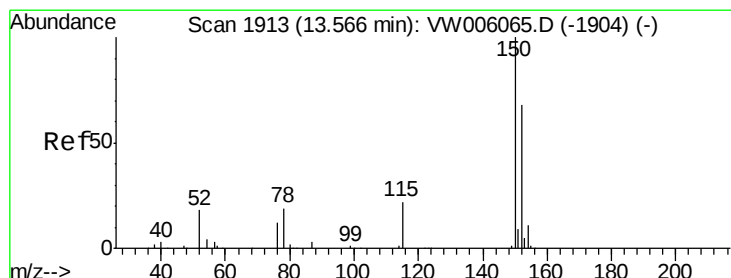
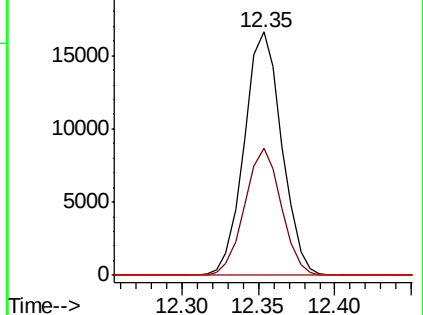
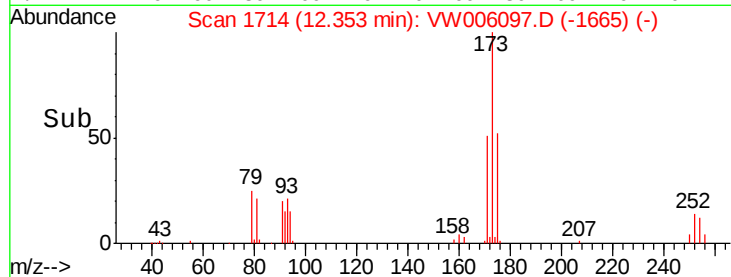
173 100

175 50.7 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: VW006097.D

Acq: 17 Oct 2018 01:20

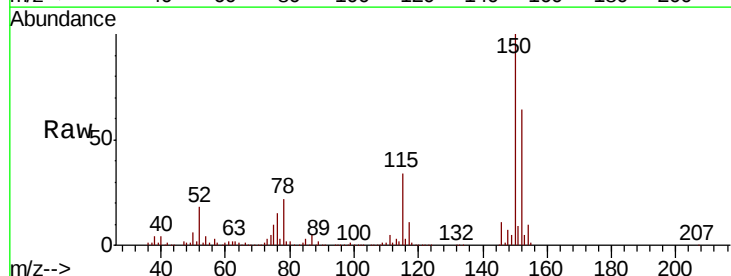
Tgt Ion:152 Resp: 193638

Ion Ratio Lower Upper

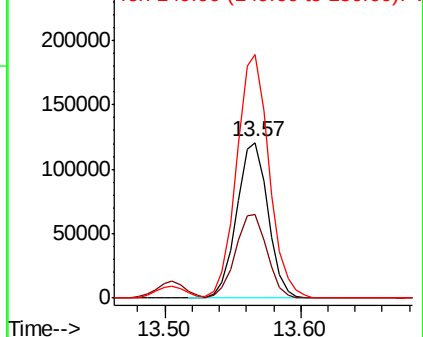
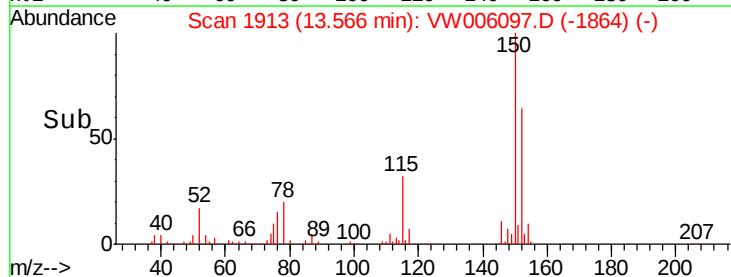
152 100

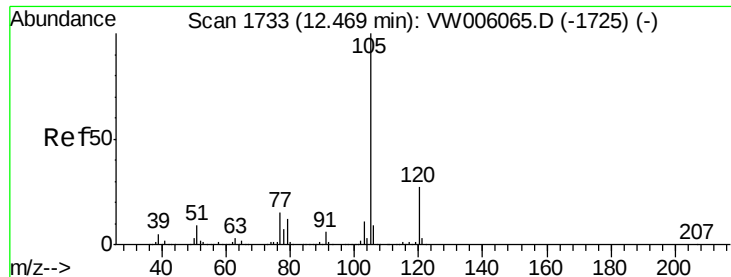
115 54.1 27.8 83.3

150 162.1 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: 20.301 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

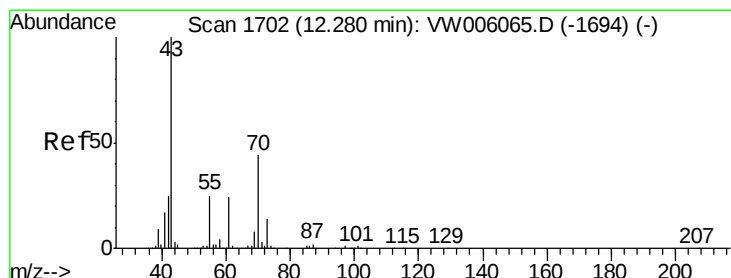
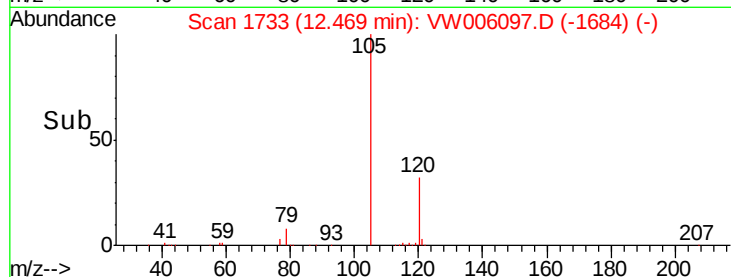
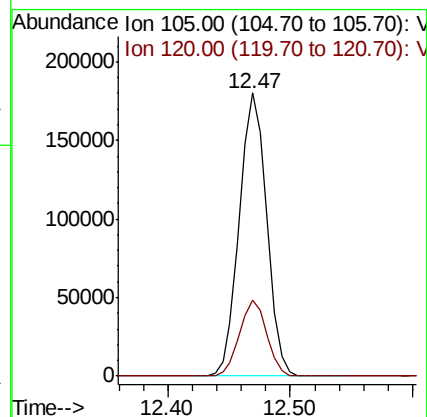
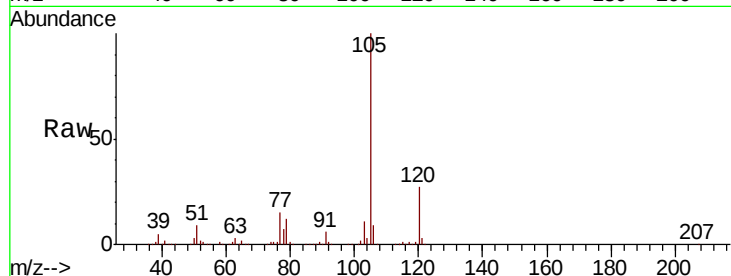
VW1016SBSD02

Tgt Ion: 105 Resp: 277712

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 20.787 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Tgt Ion: 43 Resp: 55231

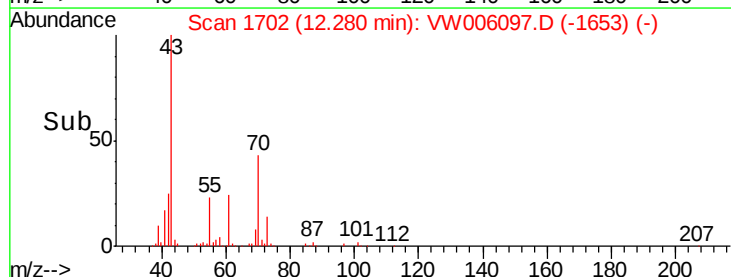
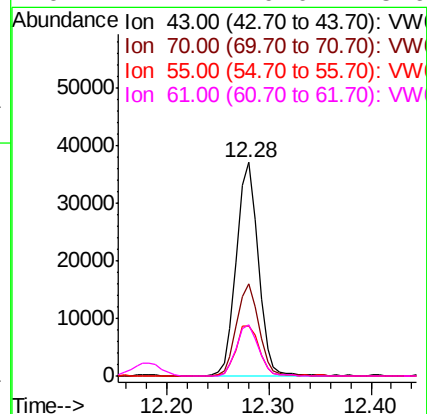
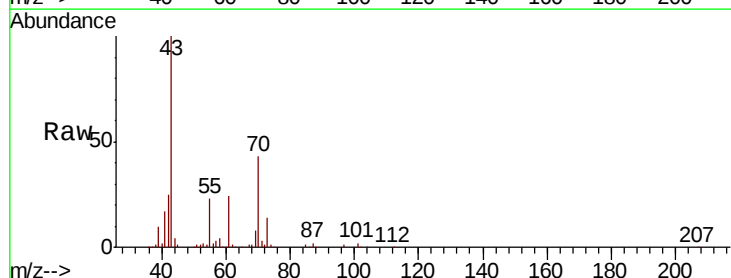
Ion Ratio Lower Upper

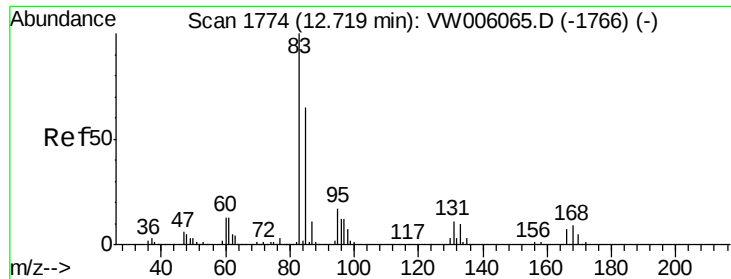
43 100

70 43.3 34.2 51.4

55 25.0 19.2 28.8

61 24.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.073 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

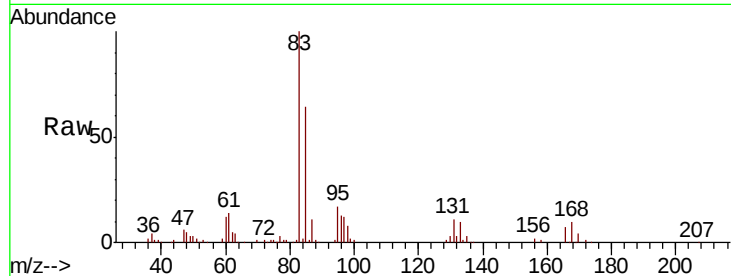
Tgt Ion: 83 Resp: 45926

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.7

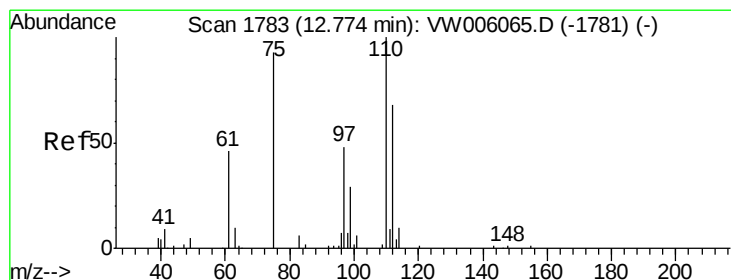
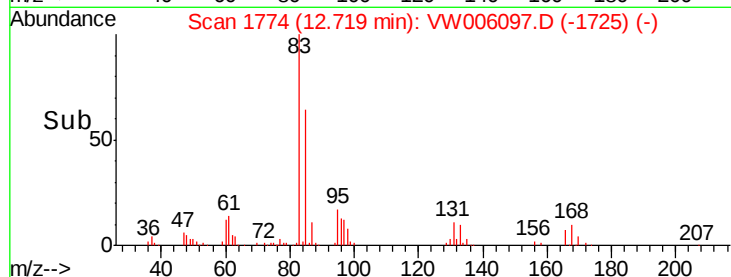
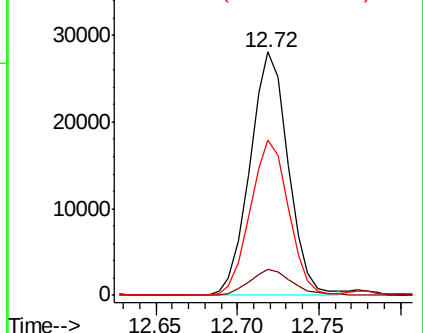
85 63.9 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.660 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006097.D

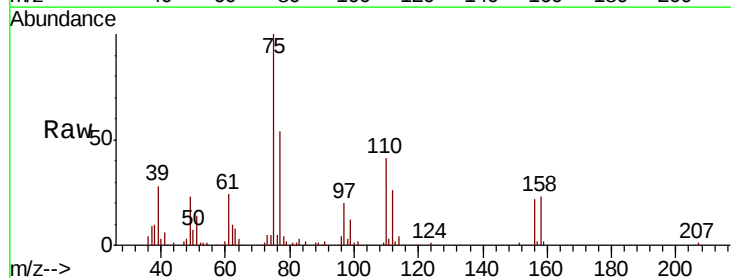
Acq: 17 Oct 2018 01:20

Tgt Ion: 75 Resp: 57179

Ion Ratio Lower Upper

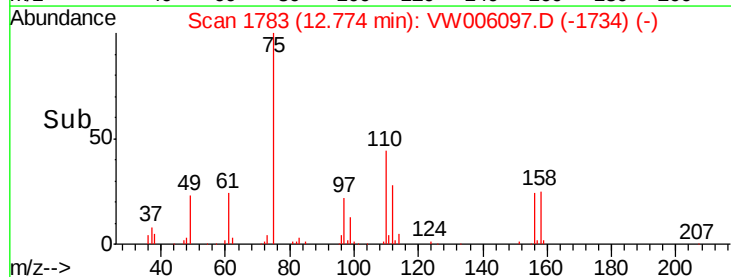
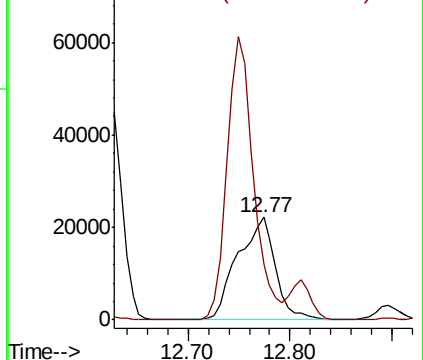
75 100

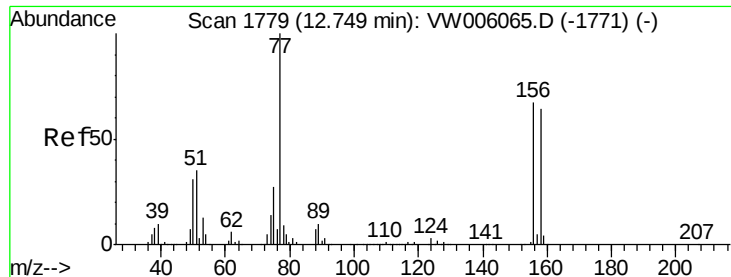
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

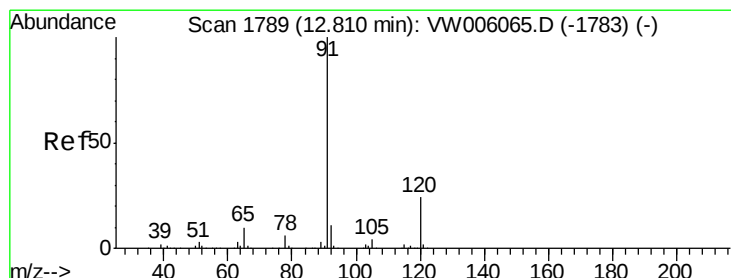
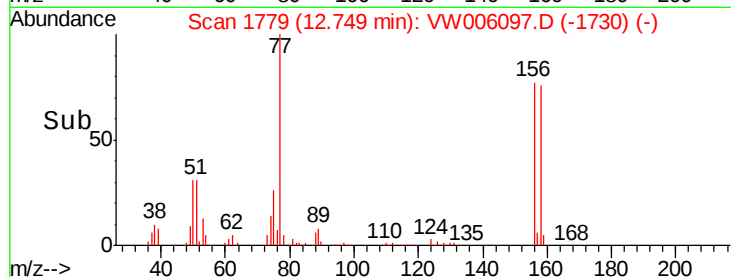
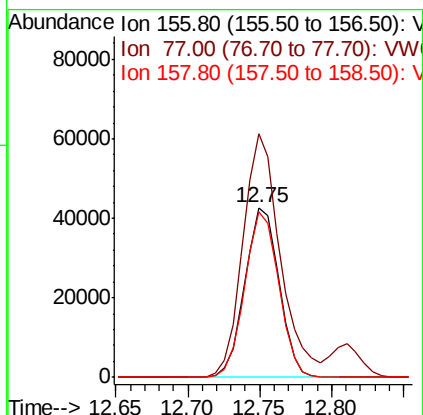
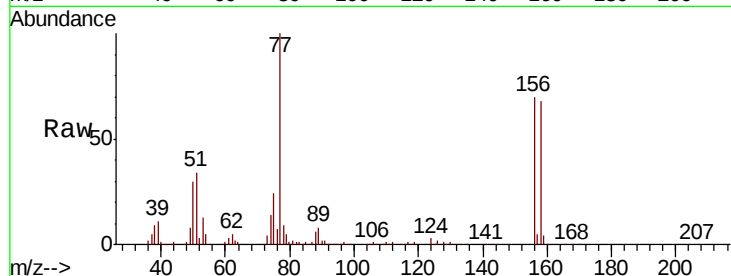




#77
Bromobenzene
Concen: 20.874 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

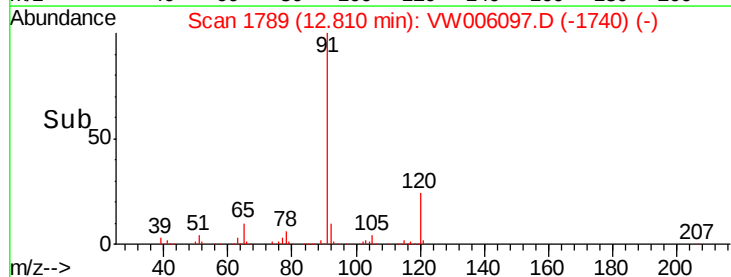
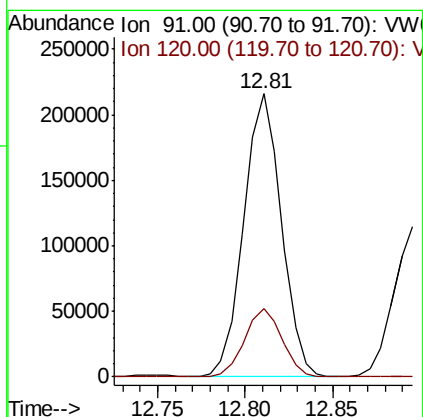
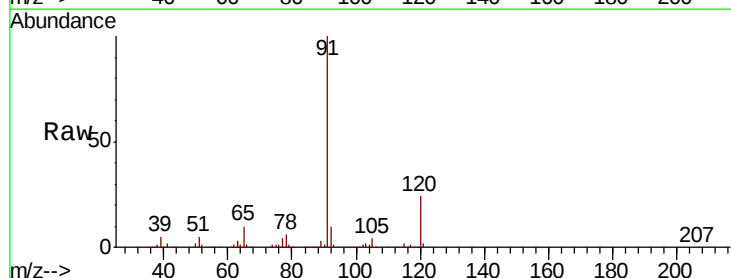
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

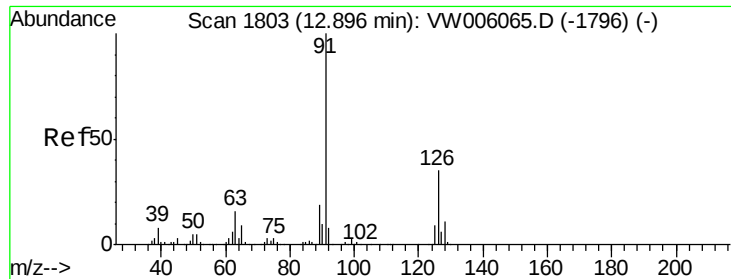
Tgt Ion:156 Resp: 69942
Ion Ratio Lower Upper
156 100
77 157.2 79.1 237.4
158 96.9 48.5 145.6



#78
n-propylbenzene
Concen: 20.276 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion: 91 Resp: 322708
Ion Ratio Lower Upper
91 100
120 24.0 12.2 36.6





#79

2-Chlorotoluene

Concen: 20.506 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

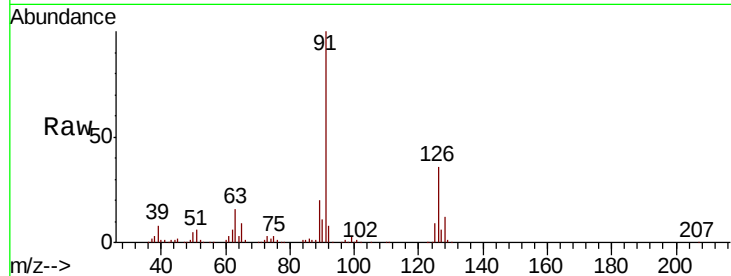
VW1016SBSD02

Tgt Ion: 91 Resp: 183366

Ion Ratio Lower Upper

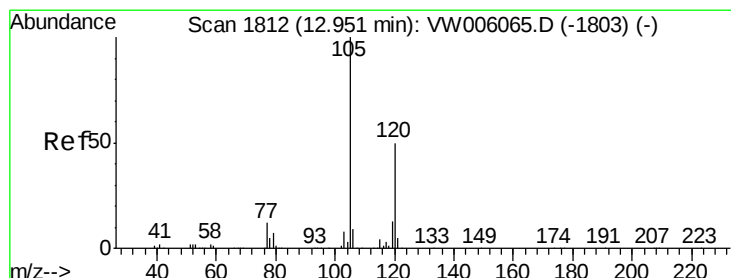
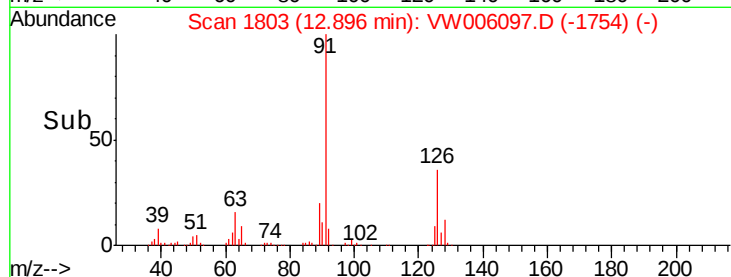
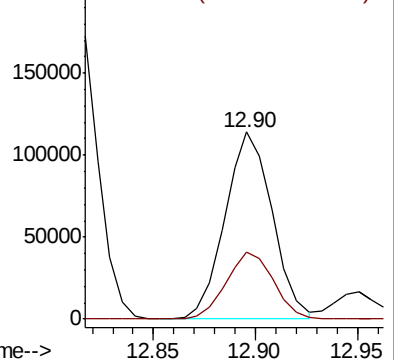
91 100

126 36.3 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: 20.257 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006097.D

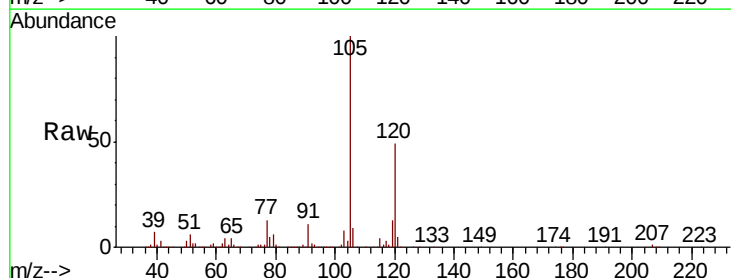
Acq: 17 Oct 2018 01:20

Tgt Ion: 105 Resp: 233608

Ion Ratio Lower Upper

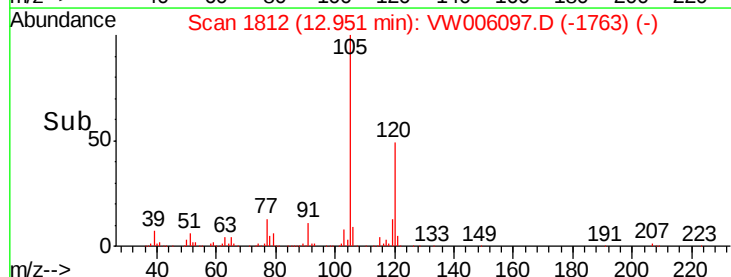
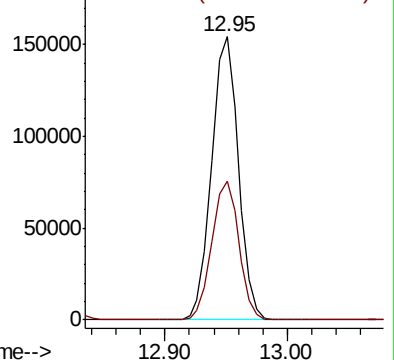
105 100

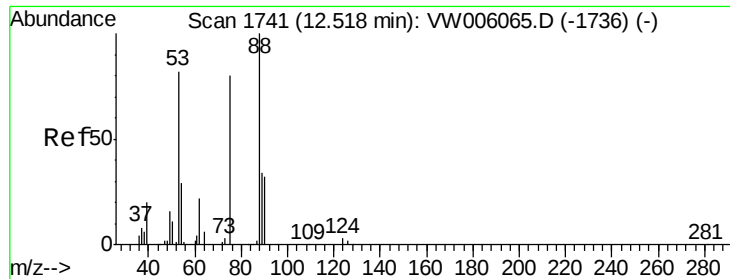
120 49.8 24.9 74.6



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: 18.486 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

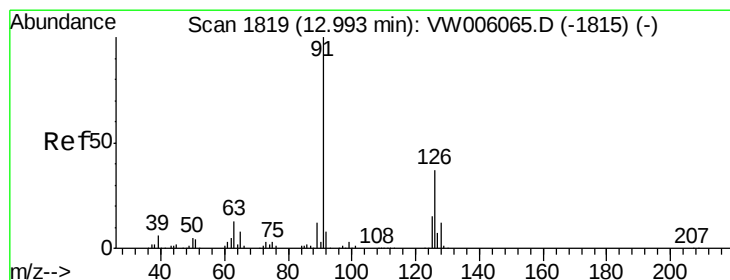
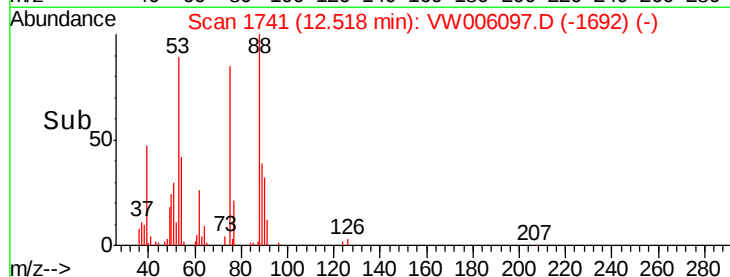
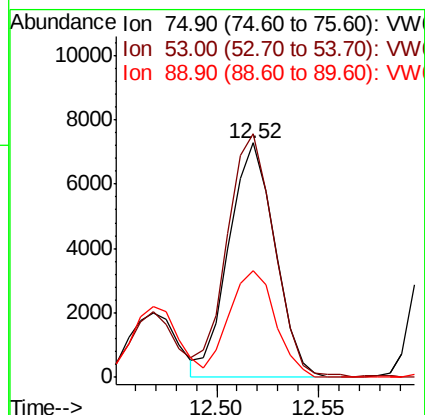
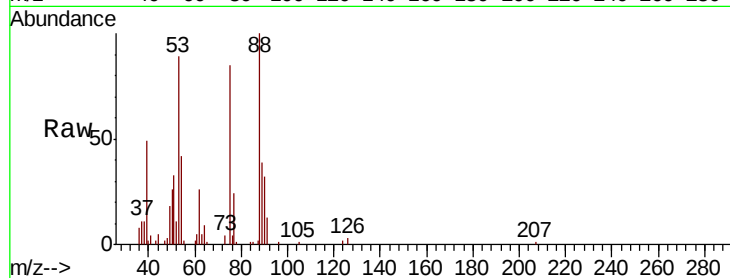
Tgt Ion: 75 Resp: 11438

Ion Ratio Lower Upper

75 100

53 106.3 79.8 119.6

89 45.3 37.5 56.3



#82

4-Chlorotoluene

Concen: 20.716 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006097.D

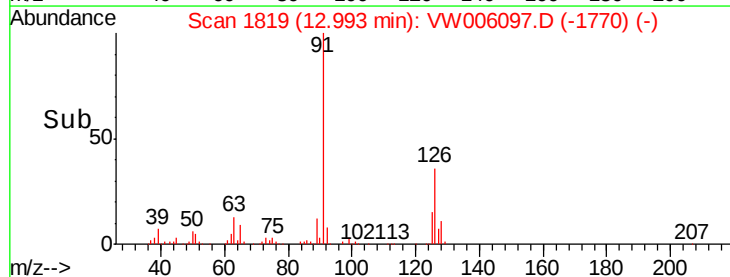
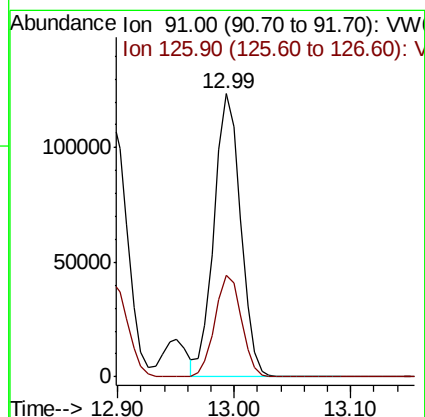
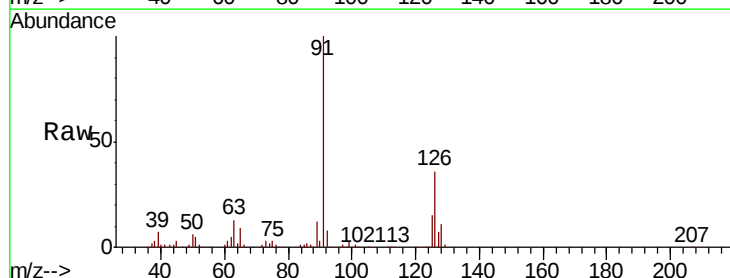
Acq: 17 Oct 2018 01:20

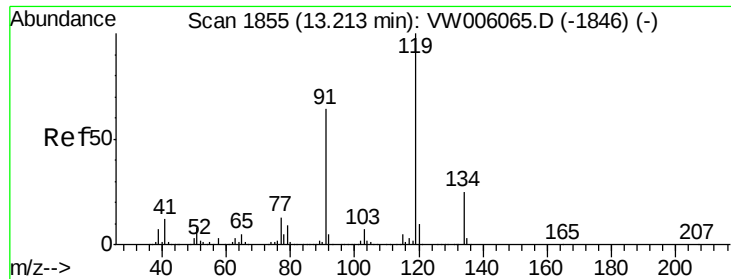
Tgt Ion: 91 Resp: 194053

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.3

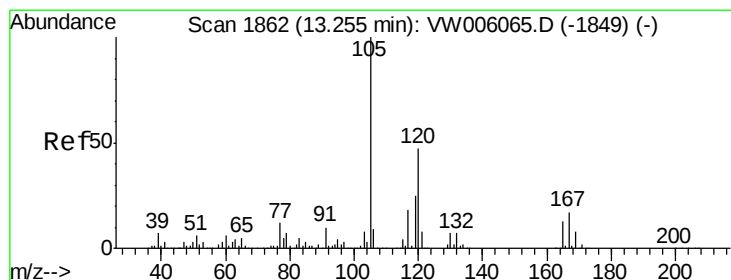
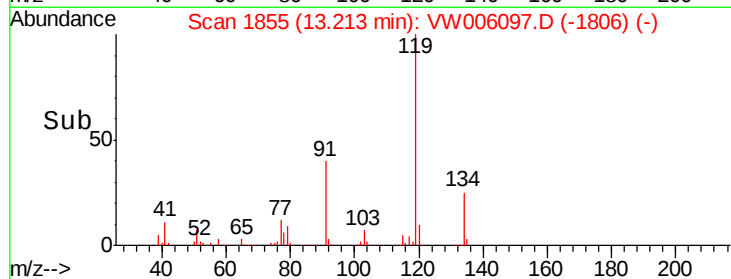
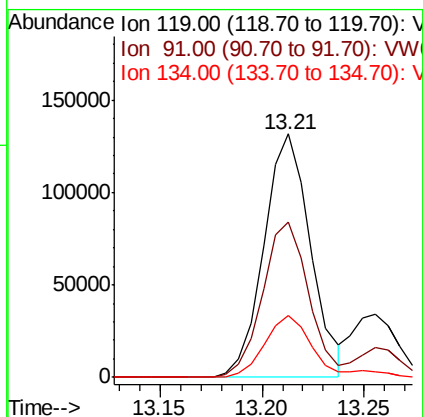
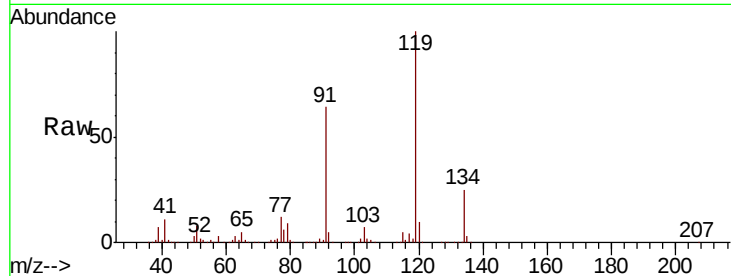




#83
tert-Butylbenzene
Concen: 20.299 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

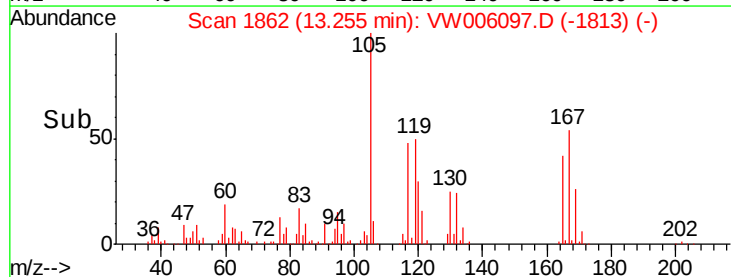
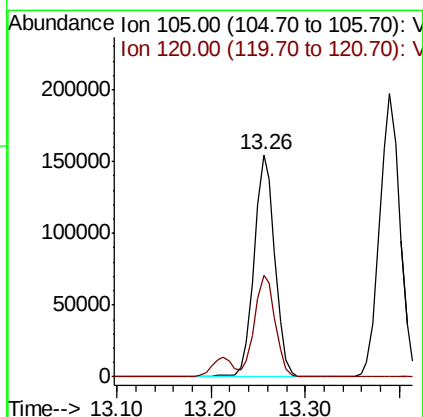
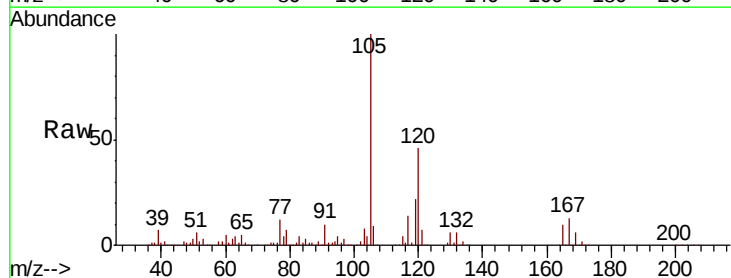
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

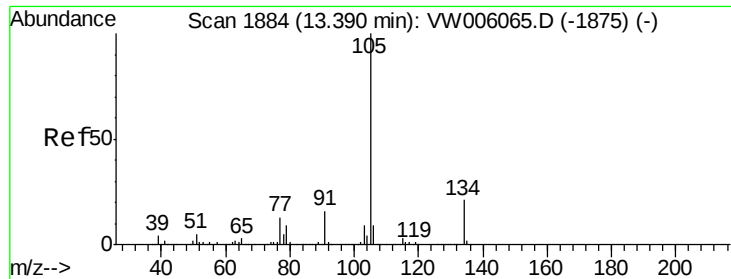
Tgt Ion:119 Resp: 209443
Ion Ratio Lower Upper
119 100
91 62.8 32.3 96.9
134 25.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.536 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion:105 Resp: 239650
Ion Ratio Lower Upper
105 100
120 45.6 23.1 69.3

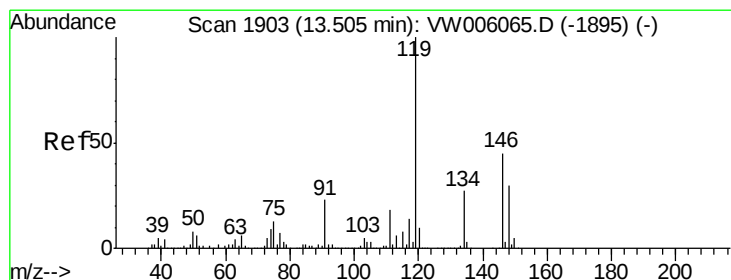
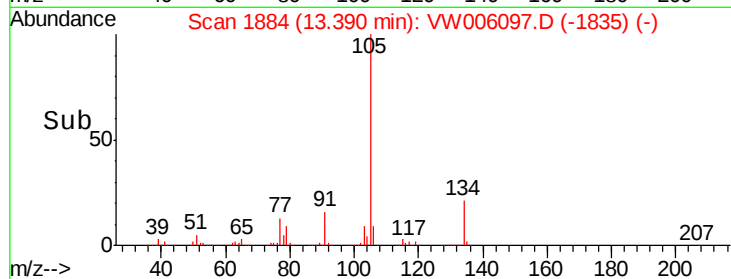
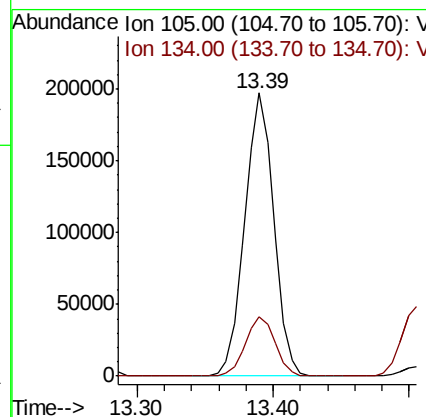
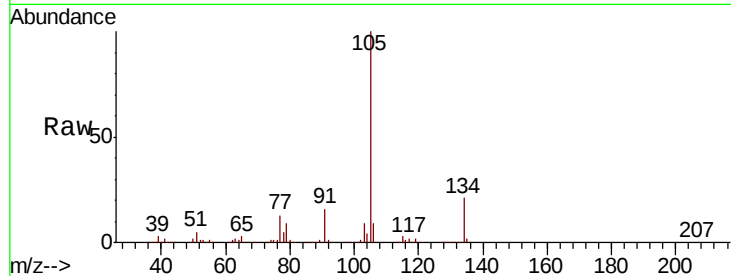




#85
 sec-Butylbenzene
 Concen: 20.206 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

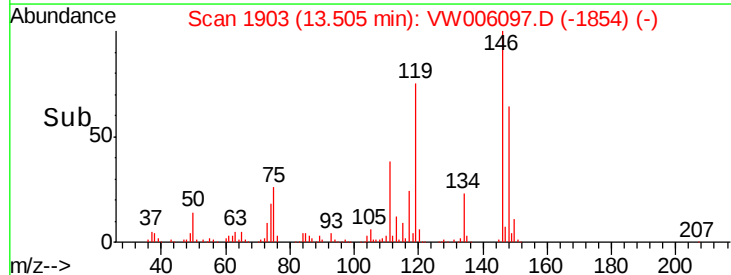
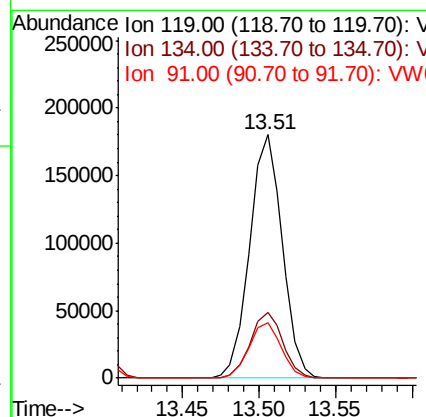
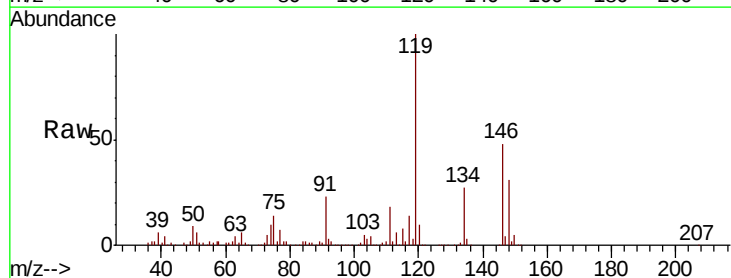
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

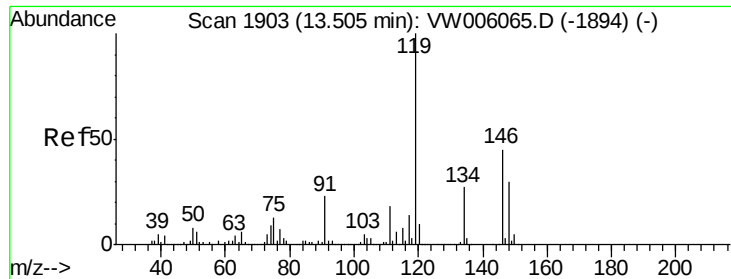
Tgt Ion:105 Resp: 294538
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.5 31.6



#86
 p-Isopropyltoluene
 Concen: 20.208 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion:119 Resp: 266432
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.6 11.4 34.1

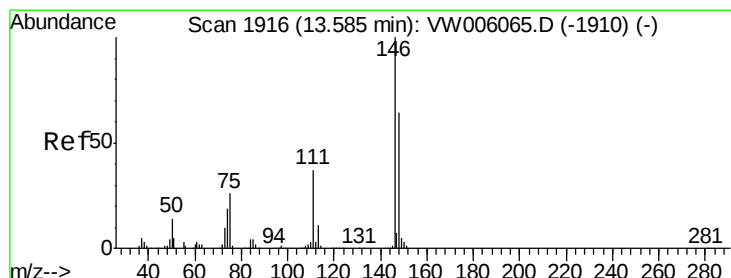
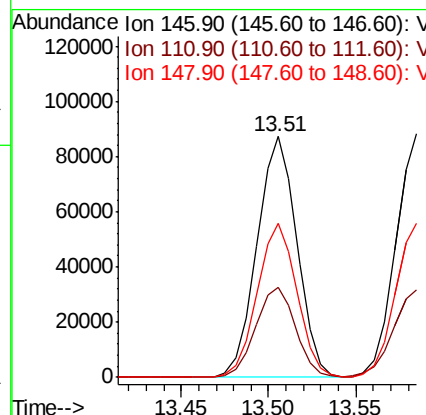
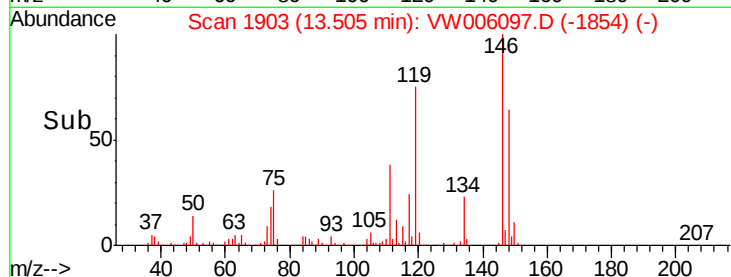
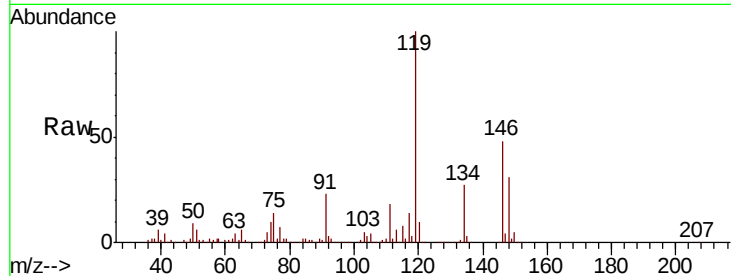




#87
 1,3-Dichlorobenzene
 Concen: 20.696 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

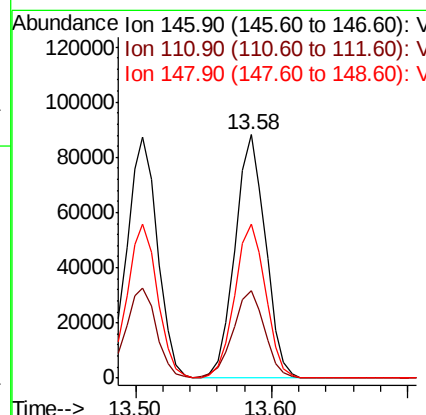
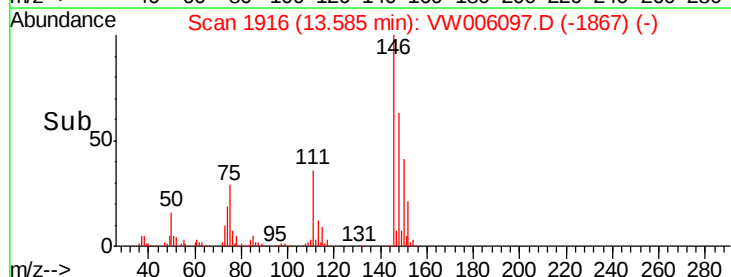
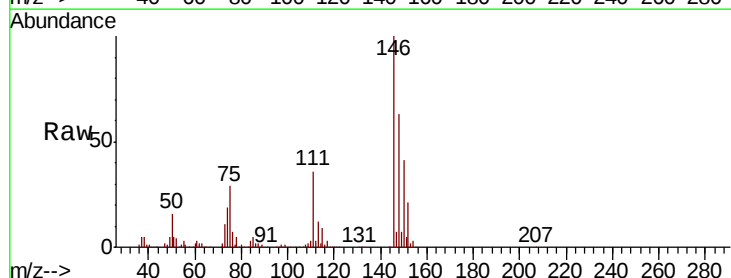
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD02

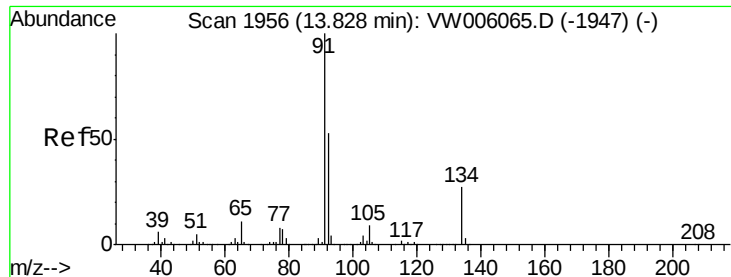
Tgt Ion:146 Resp: 138012
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.1 57.5
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.626 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion:146 Resp: 136943
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.6 56.0
 148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 19.948 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

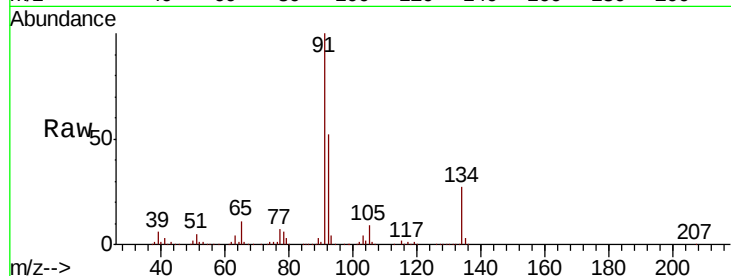
Tgt Ion: 91 Resp: 240537

Ion Ratio Lower Upper

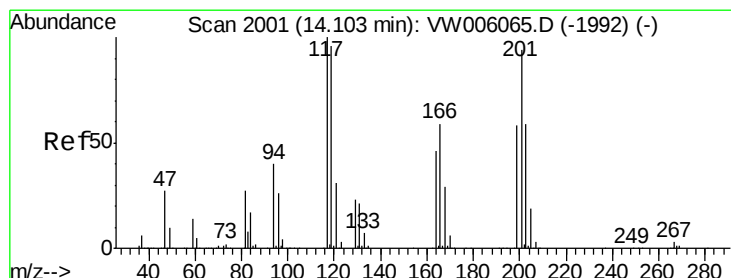
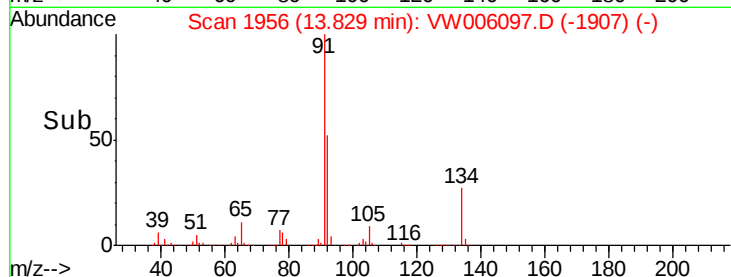
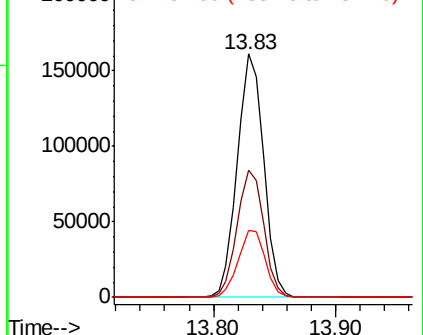
91 100

92 52.6 26.6 79.7

134 28.0 14.0 41.9



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



#90

Hexachloroethane

Concen: 19.229 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006097.D

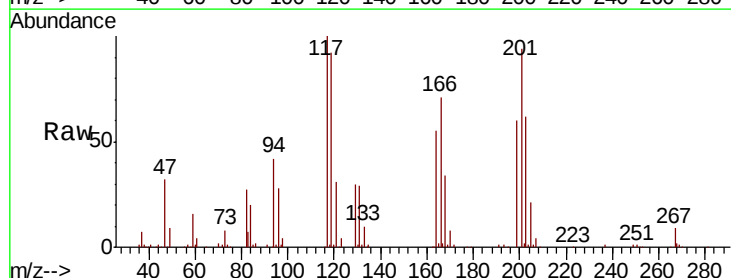
Acq: 17 Oct 2018 01:20

Tgt Ion: 117 Resp: 42943

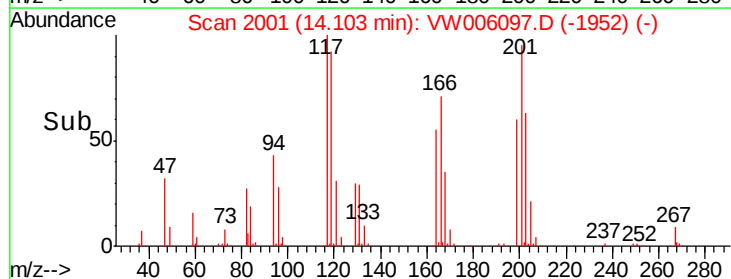
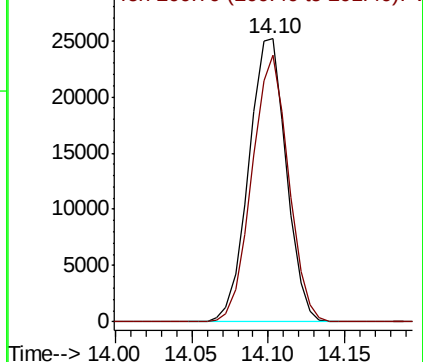
Ion Ratio Lower Upper

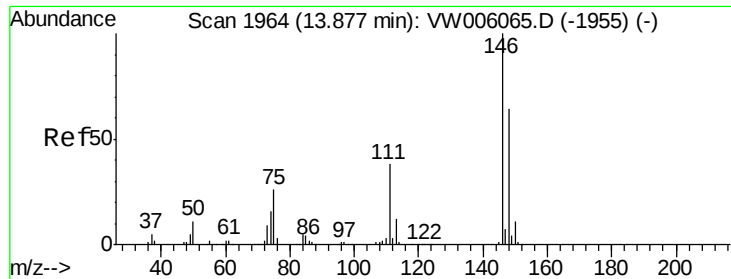
117 100

201 91.6 45.3 135.9



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





#91

1,2-Dichlorobenzene

Concen: 21.133 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD02

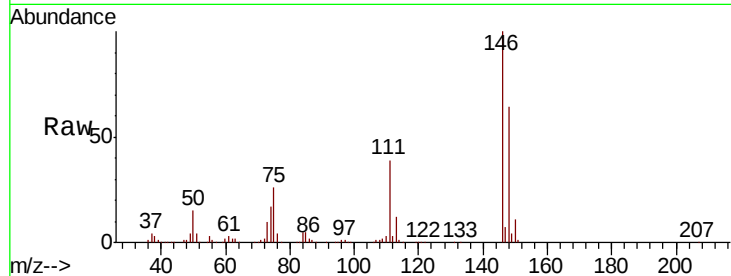
Tgt Ion:146 Resp: 125701

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

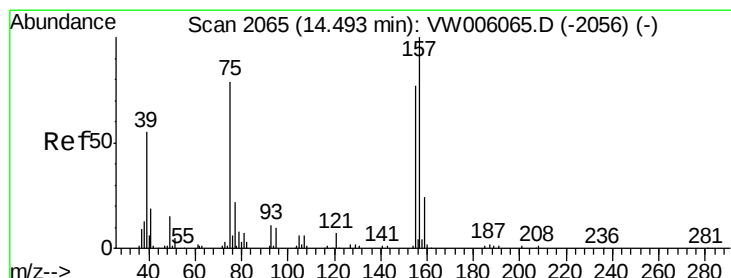
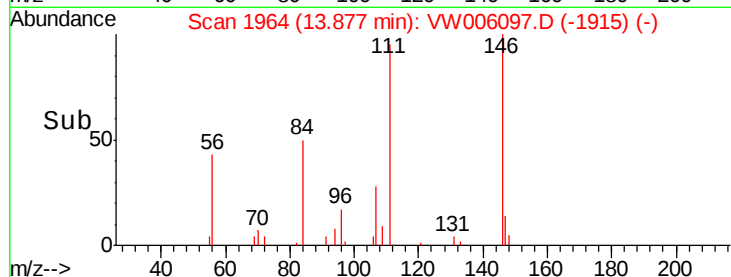
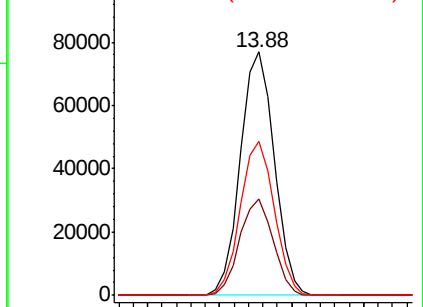
148 63.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.377 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006097.D

Acq: 17 Oct 2018 01:20

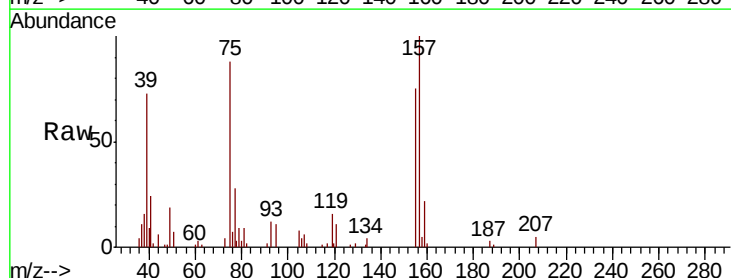
Tgt Ion: 75 Resp: 7591

Ion Ratio Lower Upper

75 100

155 97.4 46.5 139.5

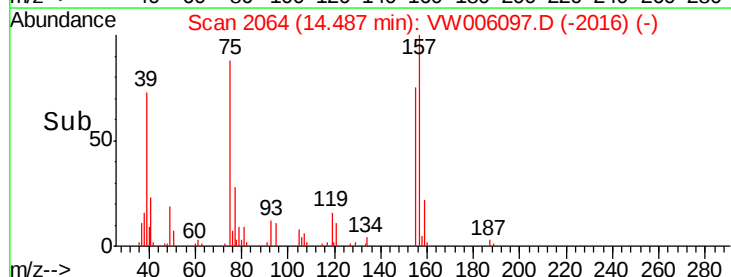
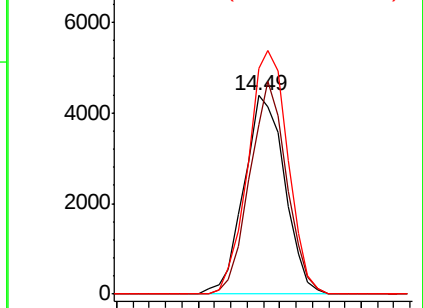
157 120.8 59.8 179.4

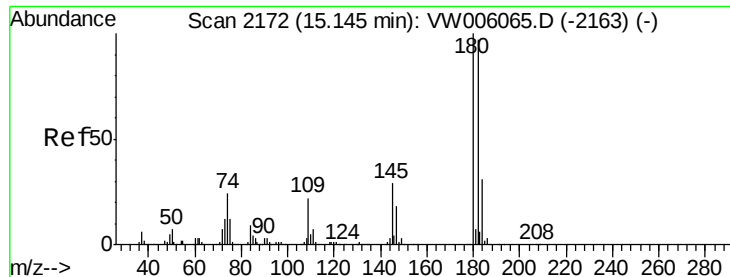


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

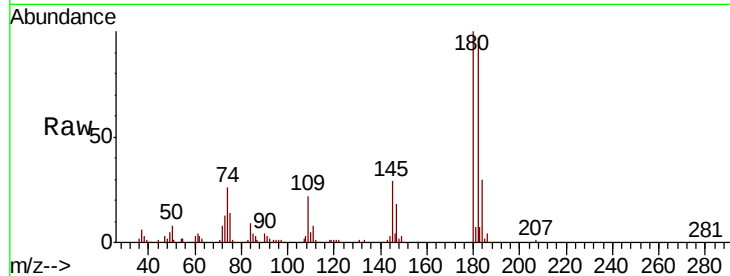




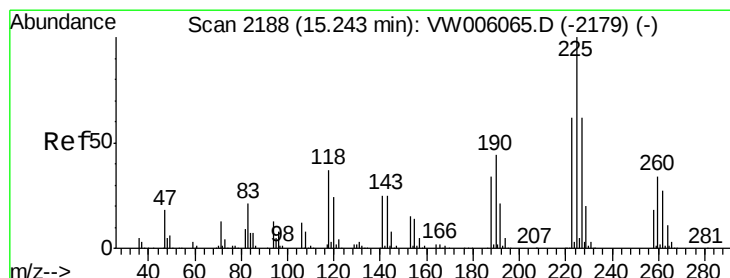
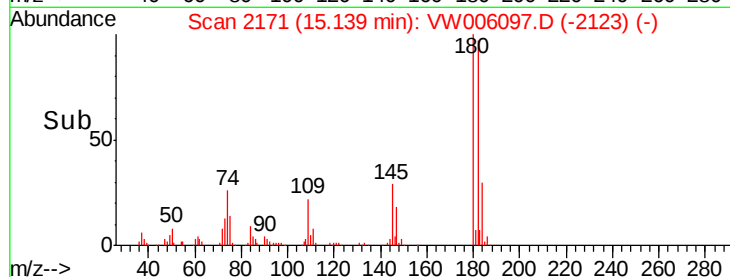
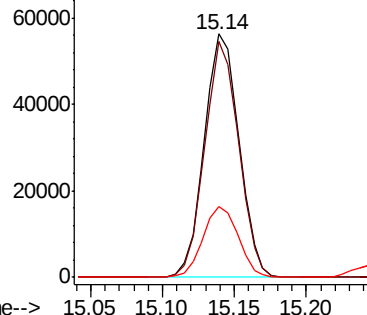
#93
 1,2,4-Trichlorobenzene
 Concen: 20.559 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Tgt Ion:180 Resp: 94095
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.9 143.6
 145 29.4 14.2 42.8

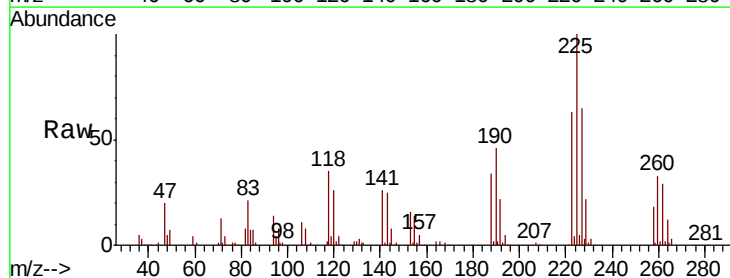


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

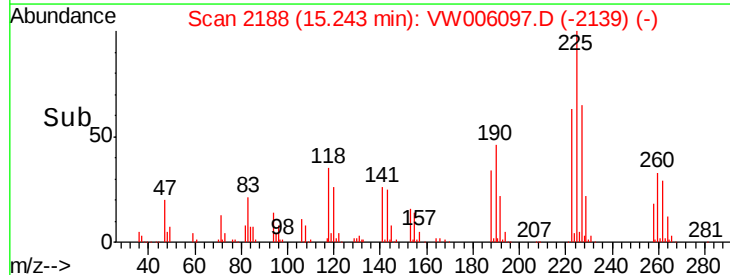
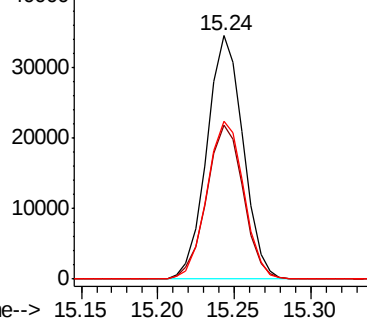


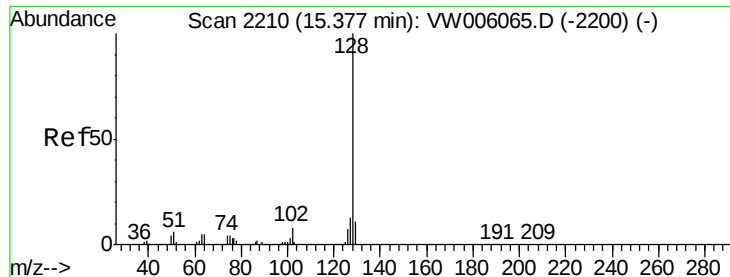
#94
 Hexachlorobutadiene
 Concen: 19.731 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006097.D
 Acq: 17 Oct 2018 01:20

Tgt Ion:225 Resp: 56727
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.1 93.5
 227 66.0 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

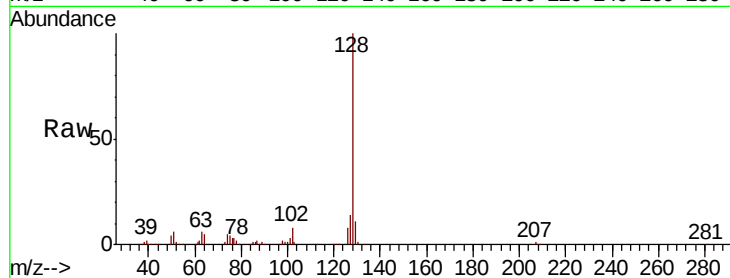




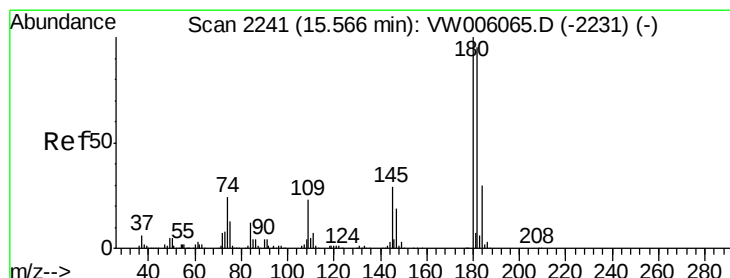
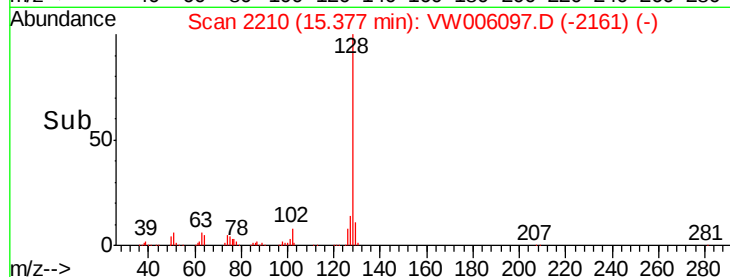
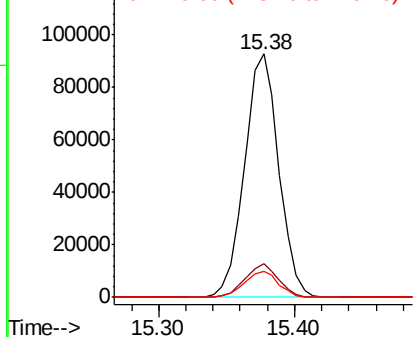
#95
Naphthalene
Concen: 21.411 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD02

Tgt Ion:128 Resp: 163015
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.0 8.7 13.1

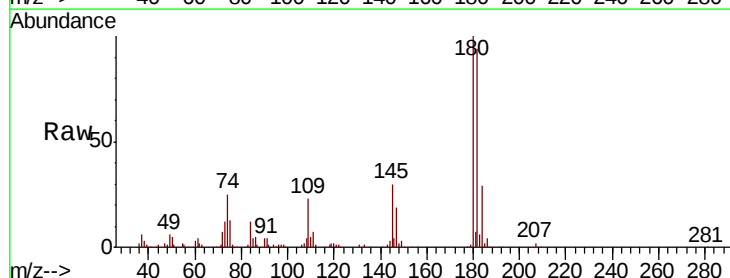


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.415 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006097.D
Acq: 17 Oct 2018 01:20

Tgt Ion:180 Resp: 84776
Ion Ratio Lower Upper
180 100
182 93.7 47.8 143.3
145 29.8 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

