

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006247.D
 Acq On : 22 Oct 2018 13:26
 Operator : VA/AP
 Sample : VW1022SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD01

Quant Time: Oct 22 14:04:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	310625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	432577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	220349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	115566	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
35) Dibromofluoromethane	7.88	113	120895	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	10.33	98	451320	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	12.62	95	175319	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22579	14.689	ug/l	99
3) Chloromethane	2.21	50	30412	15.370	ug/l	99
4) Vinyl Chloride	2.37	62	51047	18.065	ug/l	99
5) Bromomethane	2.78	94	43098	16.769	ug/l	100
6) Chloroethane	2.93	64	34316	16.946	ug/l	97
7) Trichlorofluoromethane	3.26	101	46151	17.532	ug/l	100
8) Diethyl Ether	3.68	74	26337	18.826	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	56644	20.533	ug/l	98
10) Methyl Iodide	4.26	142	93189	20.296	ug/l	100
11) Tert butyl alcohol	5.21	59	17772	102.611	ug/l	99
12) 1,1-Dichloroethene	4.03	96	53581	20.645	ug/l	95
13) Acrolein	3.89	56	15860	94.635	ug/l	93
14) Allyl chloride	4.67	41	73772	19.879	ug/l	98
15) Acrylonitrile	5.37	53	51805	103.242	ug/l	100
16) Acetone	4.13	43	65359	128.061	ug/l	98
17) Carbon Disulfide	4.38	76	142983	18.254	ug/l	99
18) Methyl Acetate	4.68	43	25677	19.813	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	82332	20.828	ug/l	98
20) Methylene Chloride	4.91	84	60469	21.256	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	60605	20.920	ug/l	94
22) Diisopropyl ether	6.32	45	149157	20.339	ug/l	96
23) Vinyl Acetate	6.26	43	426800	98.617	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98493	20.814	ug/l	99
25) 2-Butanone	7.18	43	78295	112.541	ug/l	100
26) 2,2-Dichloropropane	7.17	77	69511	20.828	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	68333	21.375	ug/l	98
28) Bromochloromethane	7.51	49	32132	17.589	ug/l	92
29) Tetrahydrofuran	7.53	42	43405	101.501	ug/l	97
30) Chloroform	7.68	83	108686	21.081	ug/l	97
31) Cyclohexane	7.96	56	92956	19.726	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	96518	20.754	ug/l	100
36) 1,1-Dichloropropene	8.09	75	85664	21.485	ug/l	99
37) Ethyl Acetate	7.26	43	30679	20.710	ug/l	98
38) Carbon Tetrachloride	8.07	117	92530	21.170	ug/l	98

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 Sample : VW1022SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1022SBSD01

Quant Time: Oct 22 14:04:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110790	20.904	ug/l	98
40) Benzene	8.33	78	234367	21.429	ug/l	100
41) Methacrylonitrile	7.49	41	17966	20.118	ug/l	95
42) 1,2-Dichloroethane	8.40	62	68995	21.472	ug/l	99
43) Isopropyl Acetate	8.43	43	60599	20.007	ug/l	99
44) Trichloroethene	9.09	130	73289	21.842	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55074	21.043	ug/l	99
46) Dibromomethane	9.46	93	32331	21.675	ug/l	98
47) Bromodichloromethane	9.65	83	75235	20.804	ug/l	99
48) Methyl methacrylate	9.44	41	28795	20.056	ug/l	96
49) 1,4-Dioxane	9.46	88	9542	415.528	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	156455	103.094	ug/l	98
52) Toluene	10.39	92	158786	21.655	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	74553	20.691	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	86337	20.878	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44990	21.553	ug/l	98
56) Ethyl methacrylate	10.65	69	52624	20.564	ug/l	97
57) 1,3-Dichloropropane	10.93	76	74580	21.583	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	99157	101.406	ug/l	97
59) 2-Hexanone	10.98	43	118684	109.557	ug/l	97
60) Dibromochloromethane	11.13	129	53567	20.602	ug/l	99
61) 1,2-Dibromoethane	11.24	107	45547	21.838	ug/l	98
64) Tetrachloroethene	10.87	164	65770	21.703	ug/l	98
65) Chlorobenzene	11.66	112	182721	21.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	63476	21.374	ug/l	99
67) Ethyl Benzene	11.74	91	313192	21.626	ug/l	100
68) m/p-Xylenes	11.85	106	251334	43.908	ug/l	99
69) o-Xylene	12.17	106	118582	21.737	ug/l	98
70) Styrene	12.19	104	191713	21.611	ug/l	100
71) Bromoform	12.35	173	33618	20.295	ug/l #	100
73) Isopropylbenzene	12.47	105	335615	21.559	ug/l	100
74) N-amyl acetate	12.28	43	59503	19.680	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	51296	21.665	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66083	39.264	ug/l #	100
77) Bromobenzene	12.75	156	83890	22.002	ug/l	98
78) n-propylbenzene	12.81	91	389749	21.520	ug/l	100
79) 2-Chlorotoluene	12.90	91	217969	21.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	282288	21.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13995	19.877	ug/l	100
82) 4-Chlorotoluene	12.99	91	230528	21.627	ug/l	100
83) tert-Butylbenzene	13.21	119	252650	21.518	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	286110	21.545	ug/l	99
85) sec-Butylbenzene	13.39	105	357174	21.533	ug/l	99
86) p-Isopropyltoluene	13.51	119	325652	21.705	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	165335	21.788	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	163877	21.690	ug/l	100
89) n-Butylbenzene	13.83	91	294515	21.464	ug/l	99
90) Hexachloroethane	14.10	117	51917	20.429	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	147340	21.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8345	19.686	ug/l	94

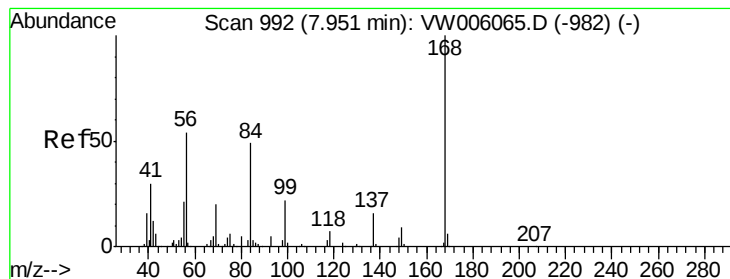
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
Data File : VW006247.D
Acq On : 22 Oct 2018 13:26
Operator : VA/AP
Sample : VW1022SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

Quant Time: Oct 22 14:04:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	115491	22.175	ug/l	99
94) Hexachlorobutadiene	15.24	225	72676	22.214	ug/l	99
95) Naphthalene	15.38	128	183571	21.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	100299	22.265	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

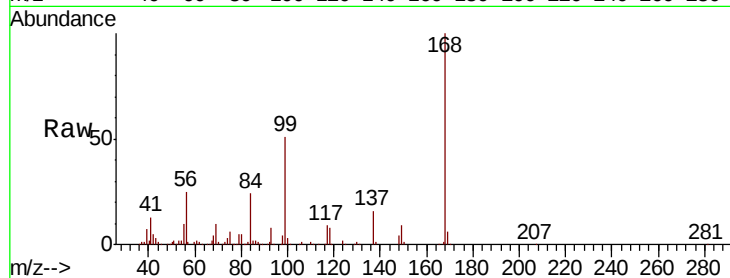
VW1022SBSD01

Tot Ion:168 Resp: 310625

Ion Ratio Lower Upper

168 100

99 50.7 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

150000

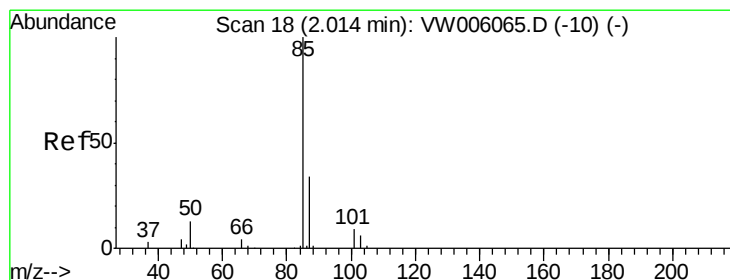
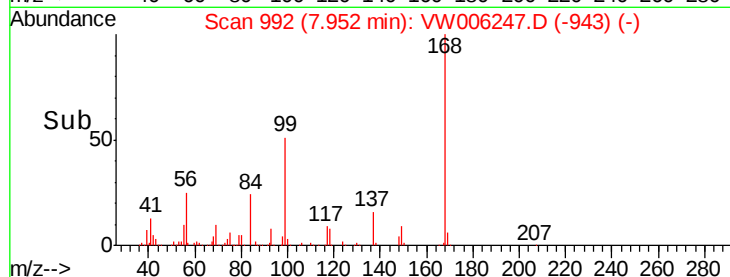
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 14.689 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006247.D

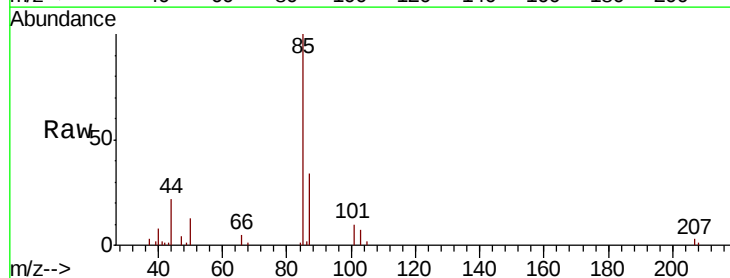
Acq: 22 Oct 2018 13:26

Tgt Ion: 85 Resp: 22579

Ion Ratio Lower Upper

85 100

87 34.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

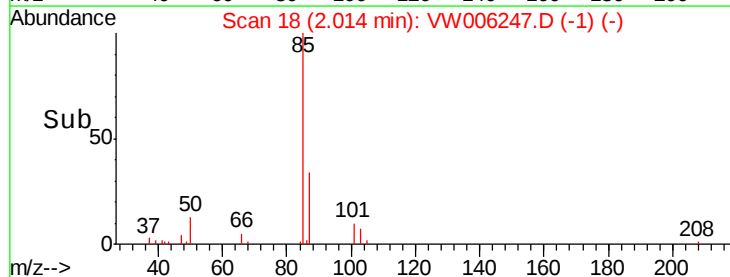
4000

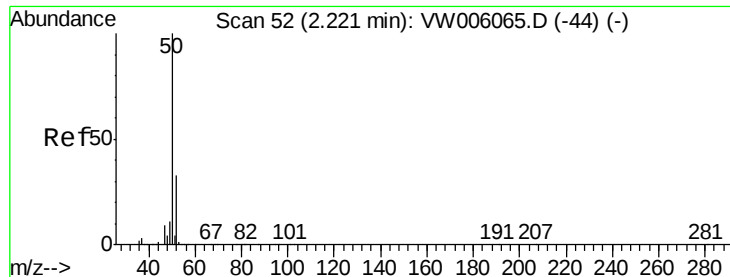
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0

1.90 2.00 2.10

Time-->

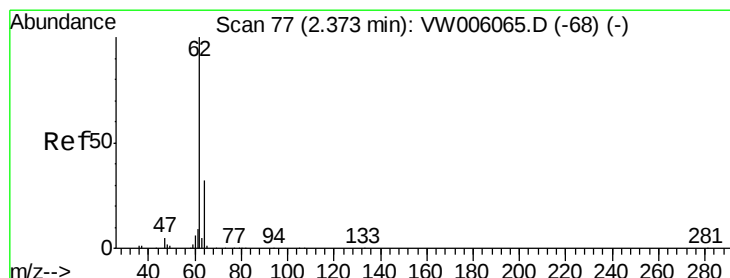
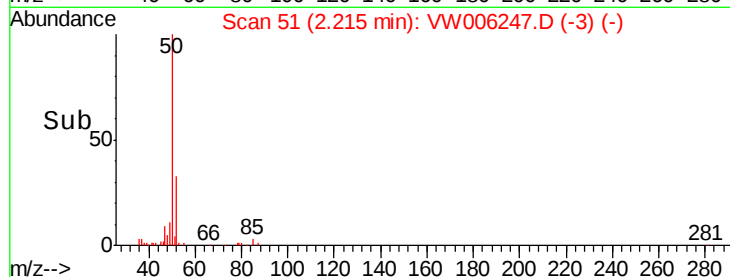
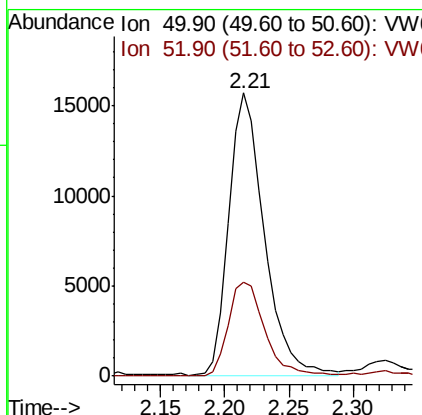
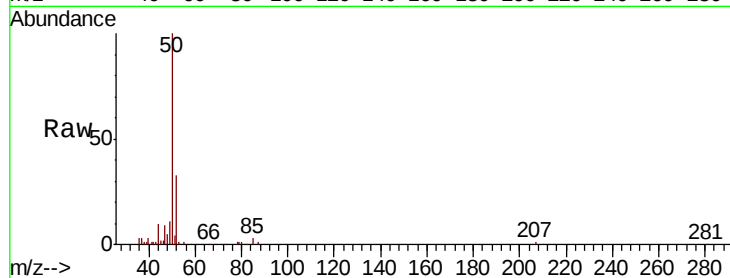




#3
Chloromethane
Concen: 15.370 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

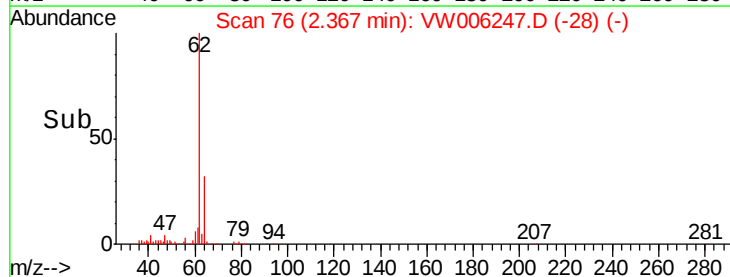
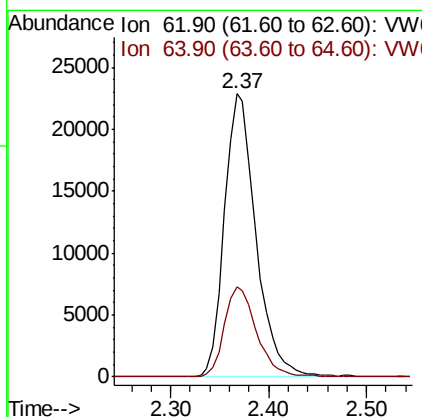
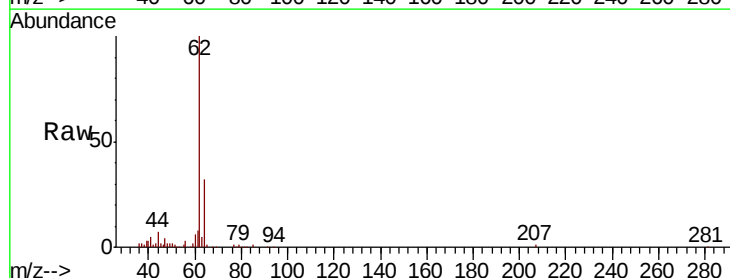
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

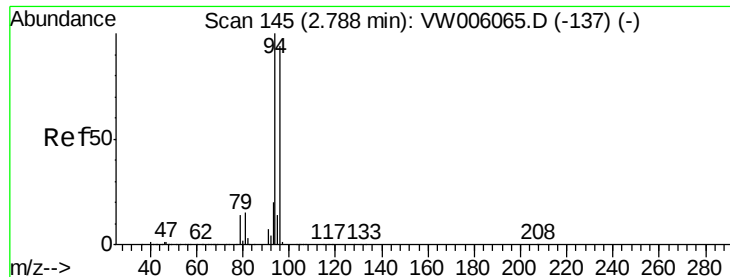
Tot Ion: 50 Resp: 30412
Ion Ratio Lower Upper
50 100
52 33.2 26.8 40.2



#4
Vinyl Chloride
Concen: 18.065 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 62 Resp: 51047
Ion Ratio Lower Upper
62 100
64 31.7 25.9 38.9





#5

Bromomethane

Concen: 16.769 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

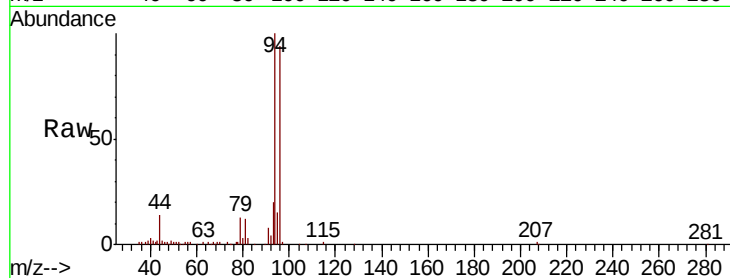
VW1022SBSD01

Tot Ion: 94 Resp: 43098

Ion Ratio Lower Upper

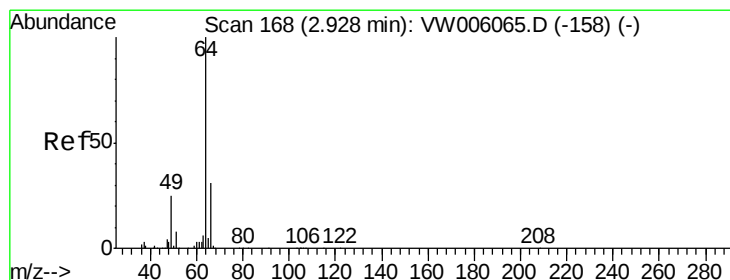
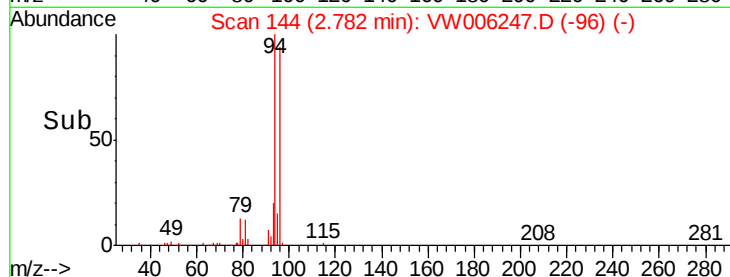
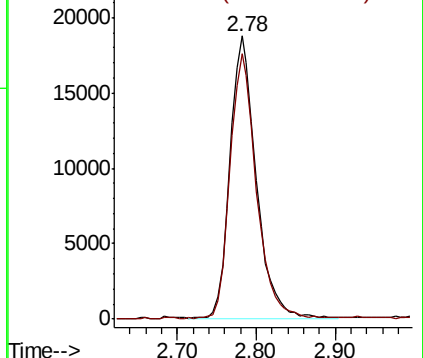
94 100

96 93.6 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: 16.946 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006247.D

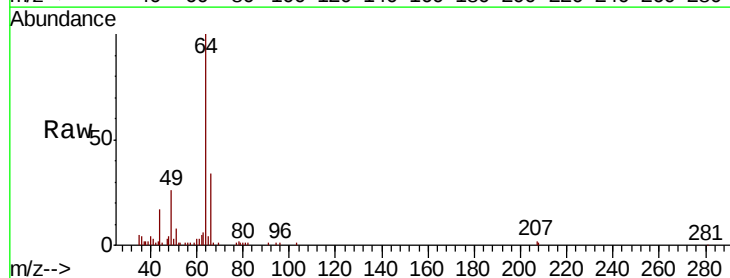
Acq: 22 Oct 2018 13:26

Tgt Ion: 64 Resp: 34316

Ion Ratio Lower Upper

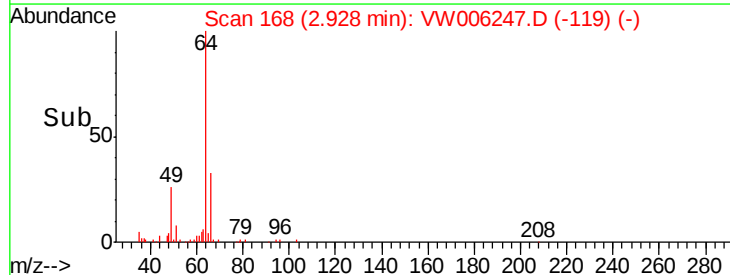
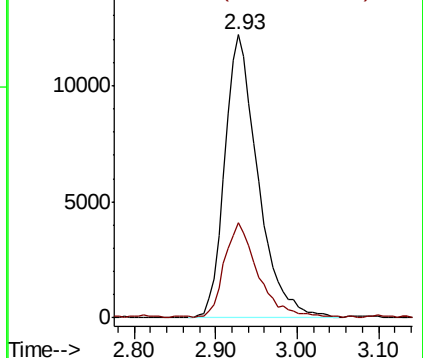
64 100

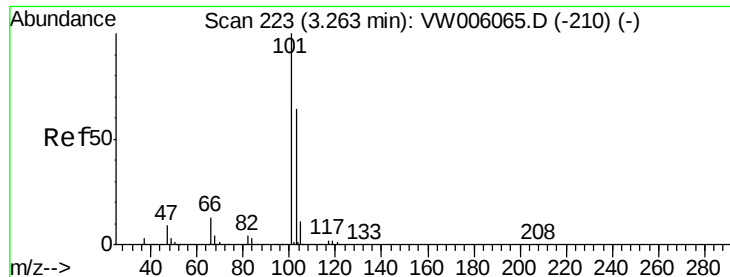
66 33.0 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



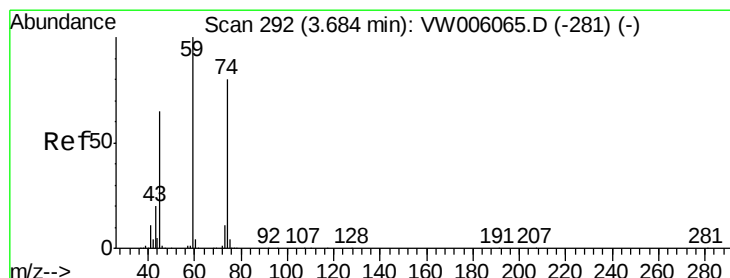
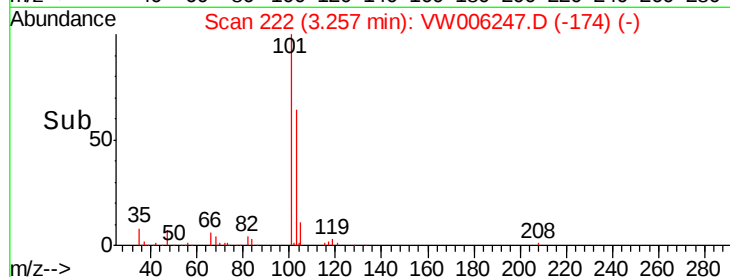
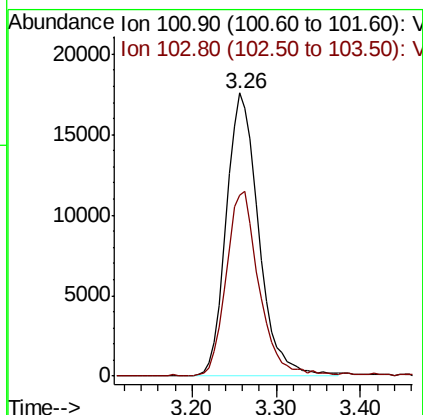
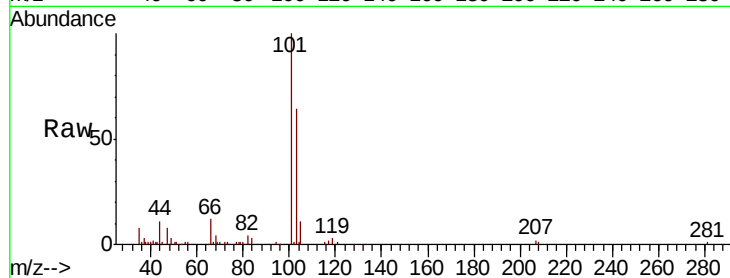


#7

Trichlorofluoromethane
Concen: 17.532 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

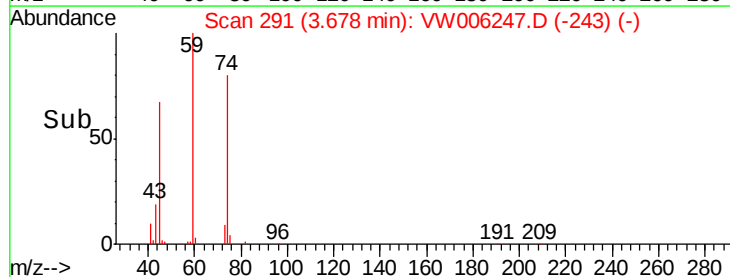
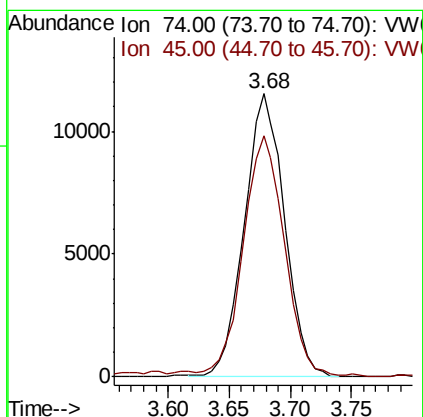
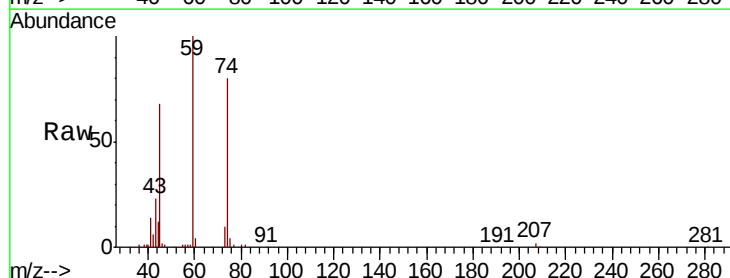
Tot Ion:101 Resp: 46151
Ion Ratio Lower Upper
101 100
103 63.9 51.2 76.8



#8

Diethyl Ether
Concen: 18.826 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 74 Resp: 26337
Ion Ratio Lower Upper
74 100
45 85.9 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.533 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD01

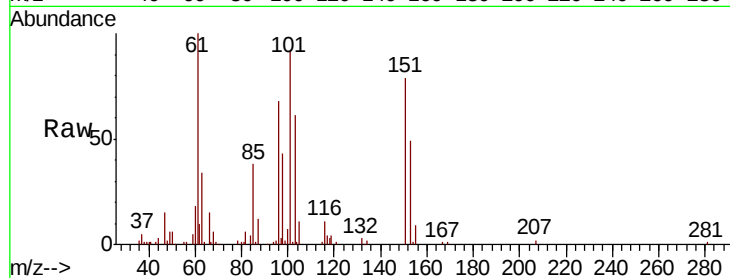
Tot Ion:101 Resp: 56644

Ion Ratio Lower Upper

101 100

85 42.3 34.9 52.3

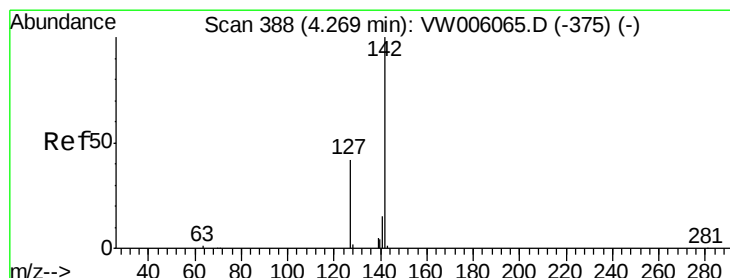
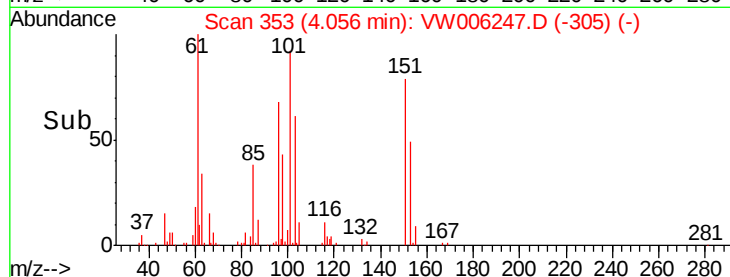
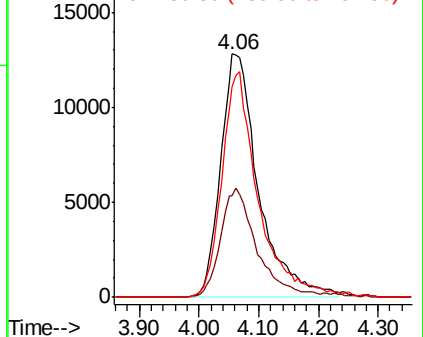
151 89.2 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.296 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

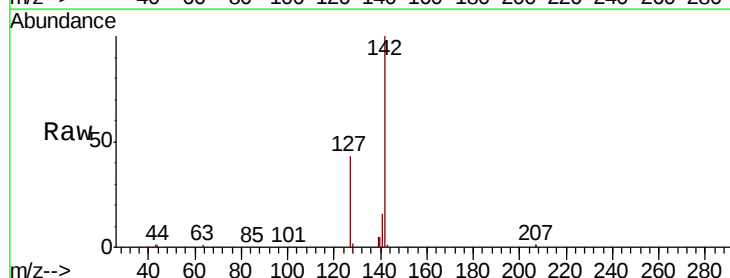
Tgt Ion:142 Resp: 93189

Ion Ratio Lower Upper

142 100

127 42.0 33.6 50.4

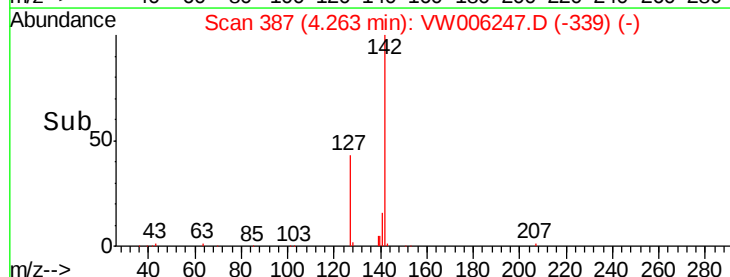
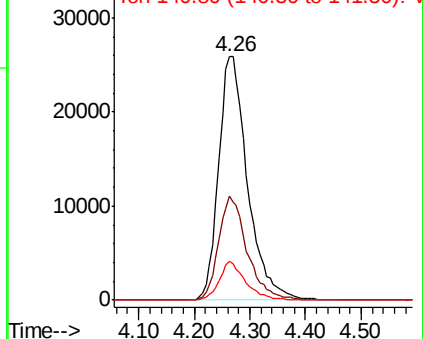
141 14.4 11.6 17.4

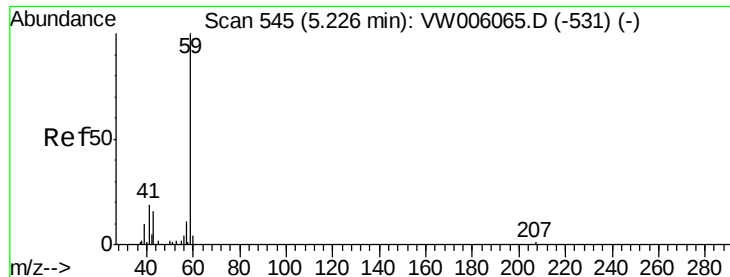


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

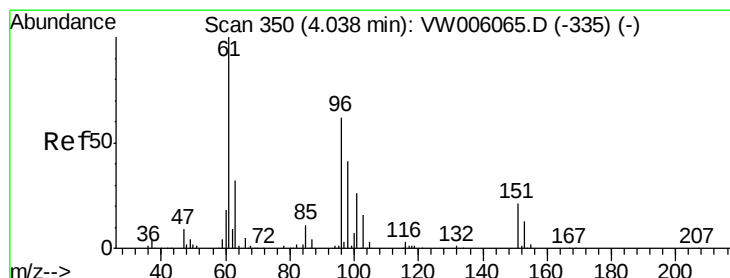
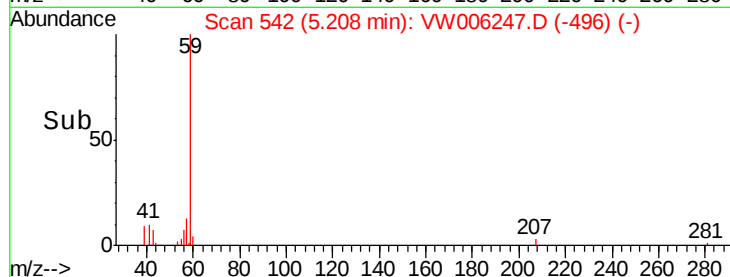
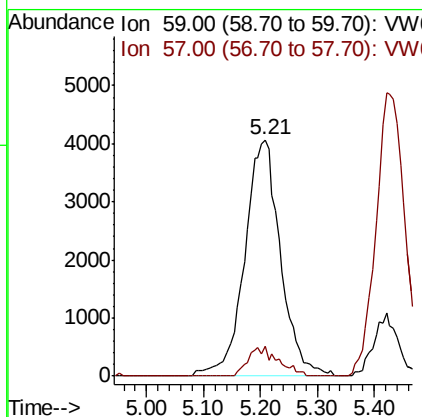
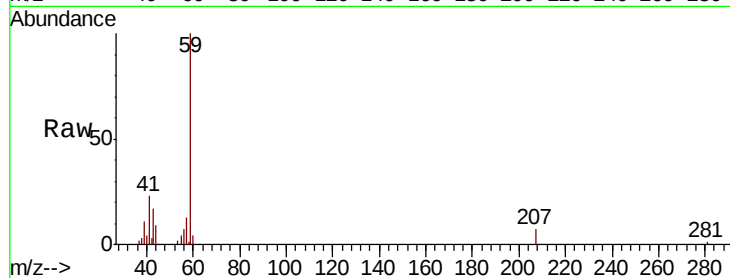




#11
Tert butyl alcohol
Concen: 102.611 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.02 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

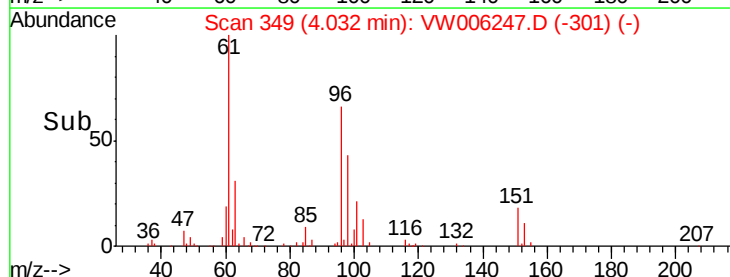
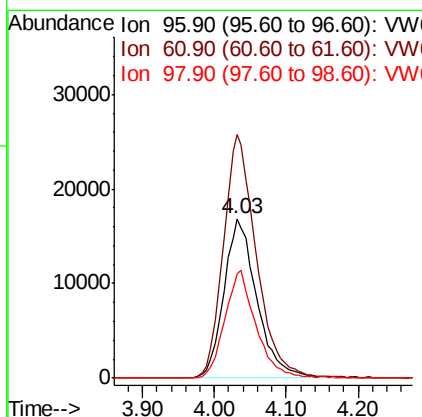
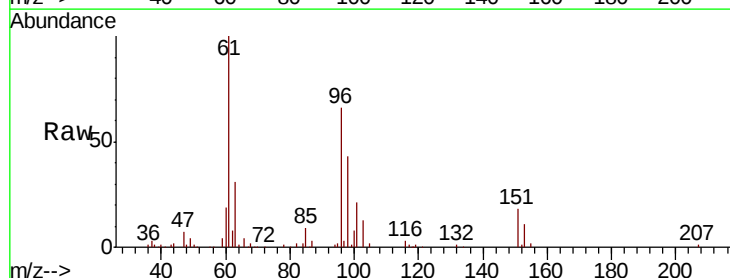
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

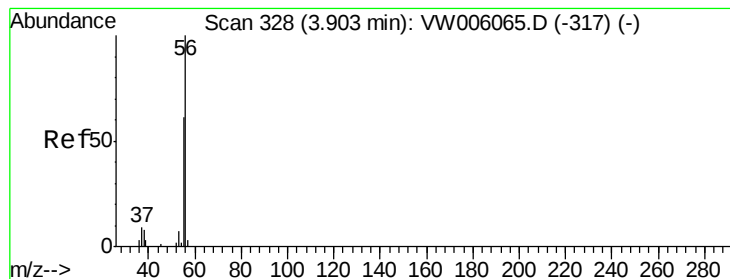
Tot Ion: 59 Resp: 17772
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1



#12
1,1-Dichloroethene
Concen: 20.645 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 96 Resp: 53581
Ion Ratio Lower Upper
96 100
61 152.5 129.3 193.9
98 64.9 53.1 79.7





#13

Acrolein

Concen: 94.635 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

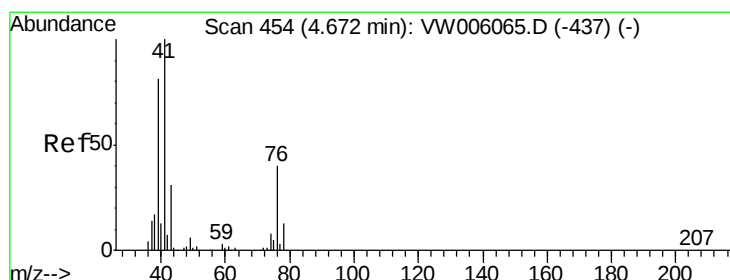
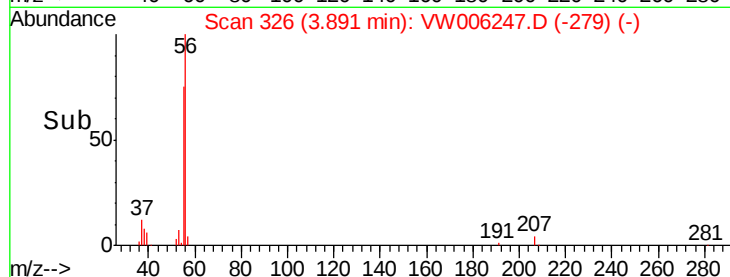
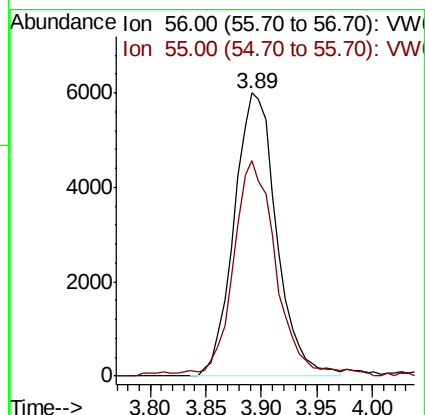
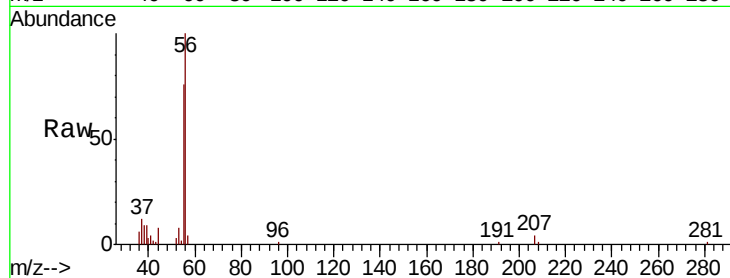
VW1022SBSD01

Tot Ion: 56 Resp: 15860

Ion Ratio Lower Upper

56 100

55 73.7 54.5 81.7



#14

Allyl chloride

Concen: 19.879 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

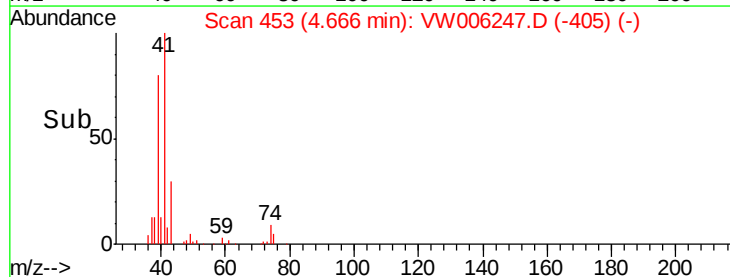
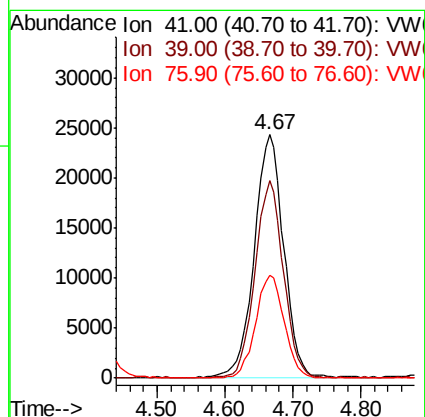
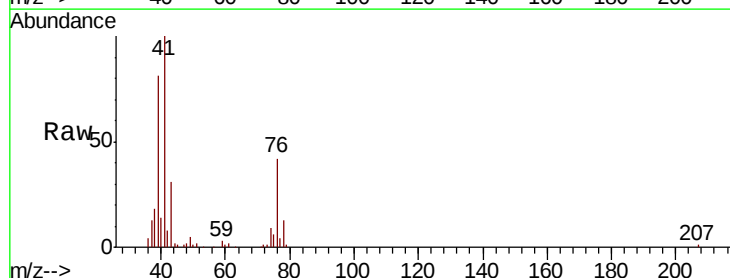
Tgt Ion: 41 Resp: 73772

Ion Ratio Lower Upper

41 100

39 77.4 64.1 96.1

76 40.8 32.2 48.4





#15

Acrylonitrile

Concen: 103.242 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

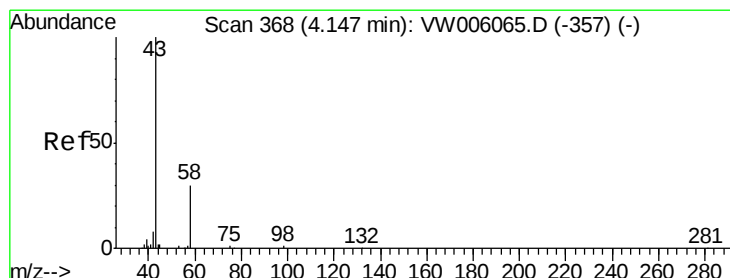
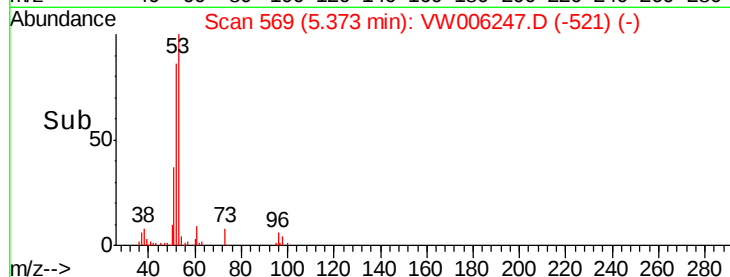
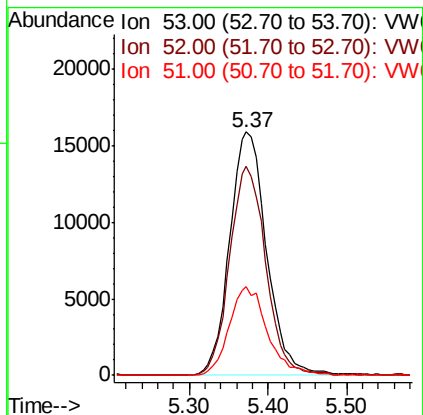
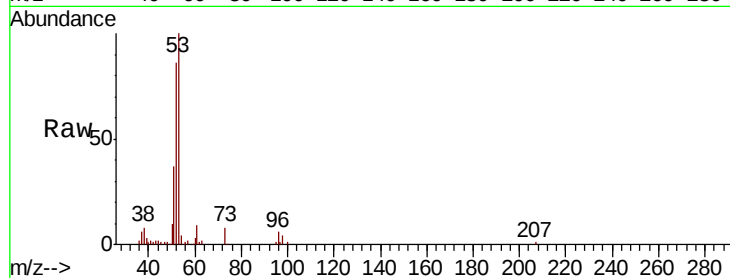
Tot Ion: 53 Resp: 51805

Ion Ratio Lower Upper

53 100

52 84.0 66.9 100.3

51 37.7 30.1 45.1



#16

Acetone

Concen: 128.061 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006247.D

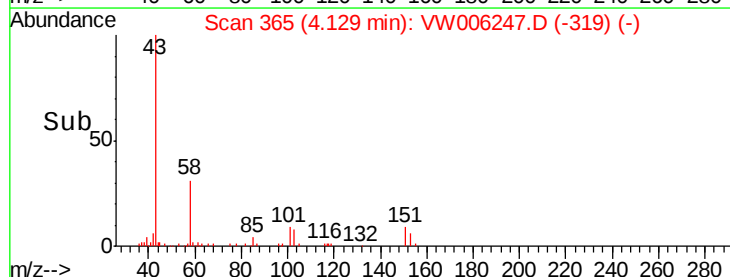
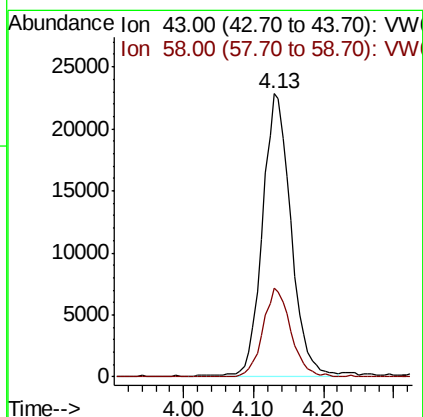
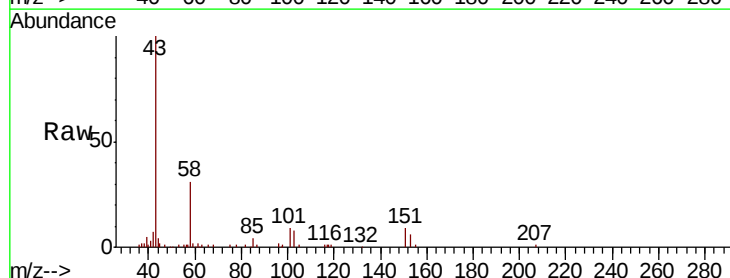
Acq: 22 Oct 2018 13:26

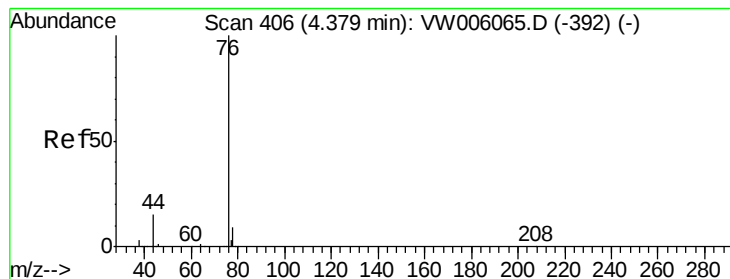
Tgt Ion: 43 Resp: 65359

Ion Ratio Lower Upper

43 100

58 31.2 24.0 36.0





#17

Carbon Disulfide

Concen: 18.254 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

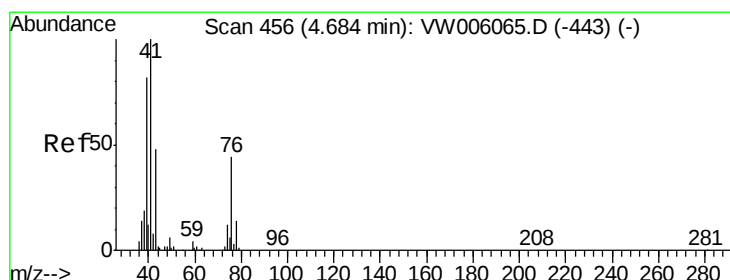
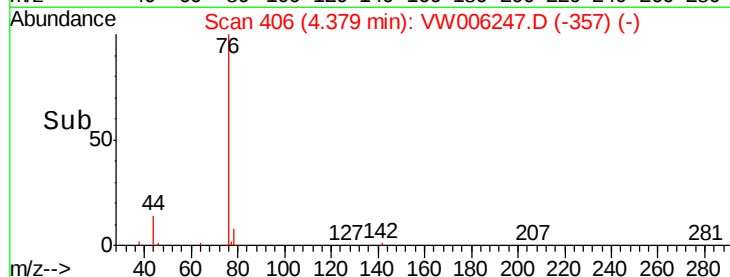
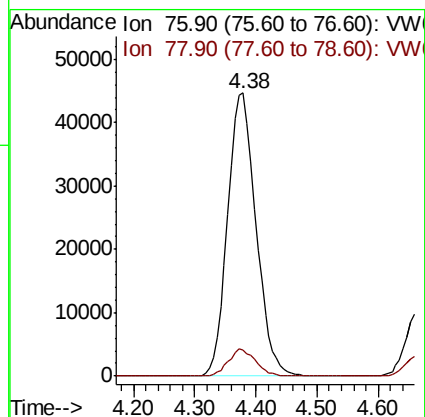
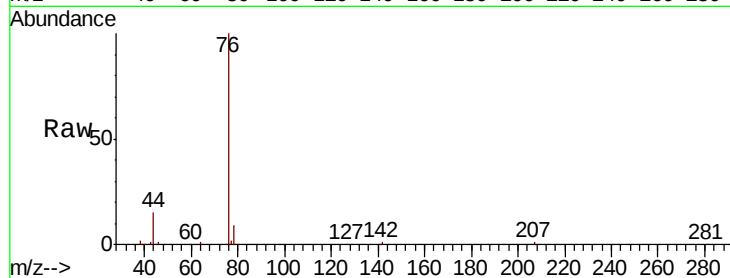
VW1022SBSD01

Tot Ion: 76 Resp: 142983

Ion Ratio Lower Upper

76 100

78 9.0 7.5 11.3



#18

Methyl Acetate

Concen: 19.813 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006247.D

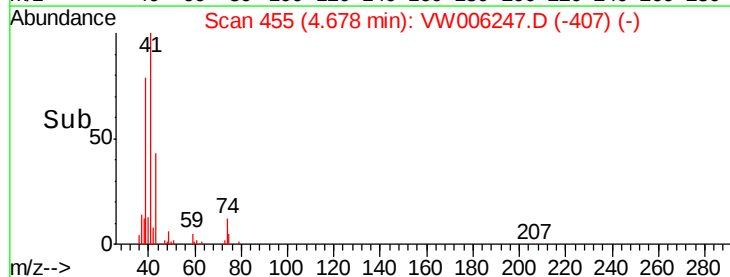
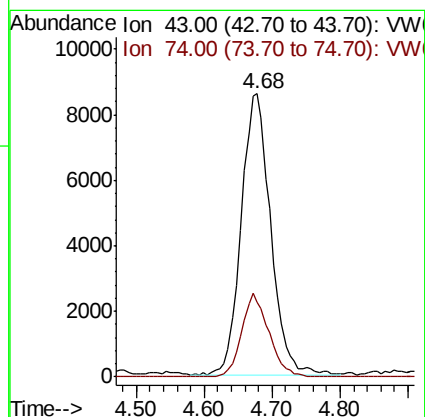
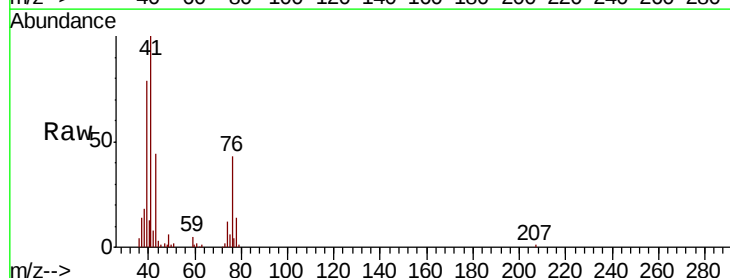
Acq: 22 Oct 2018 13:26

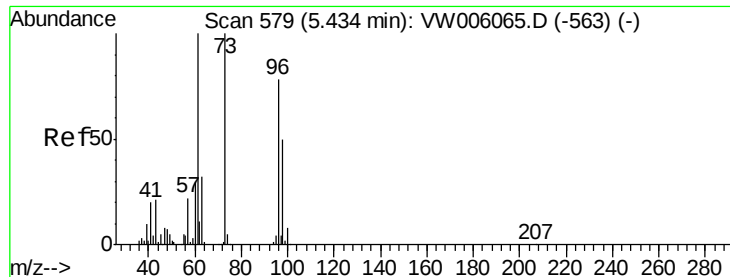
Tgt Ion: 43 Resp: 25677

Ion Ratio Lower Upper

43 100

74 27.5 20.5 30.7

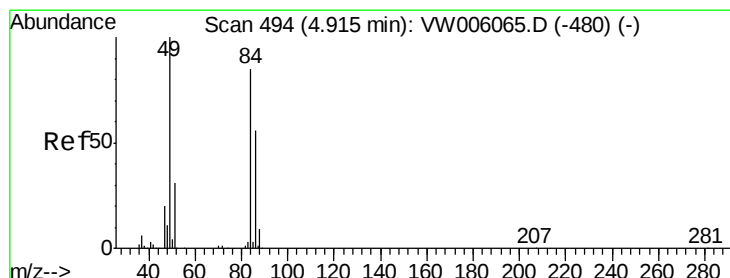
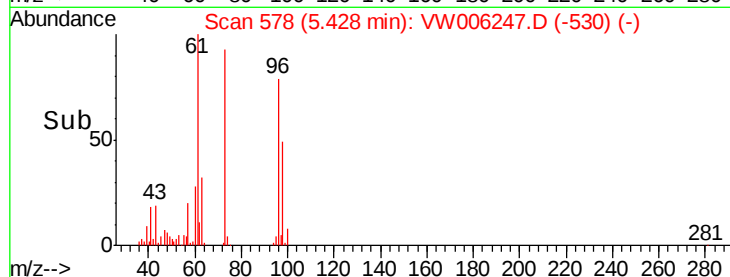
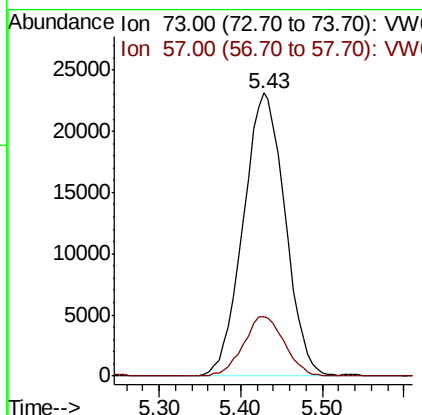
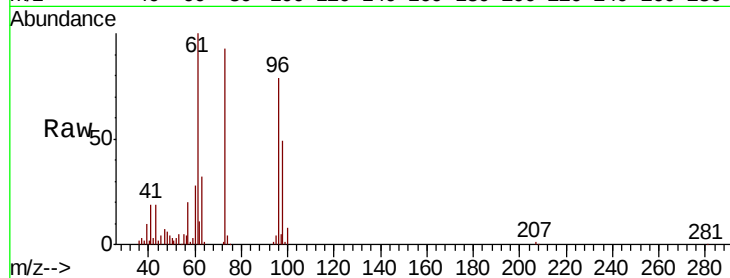




#19
Methvl tert-butvl Ether
Concen: 20.828 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

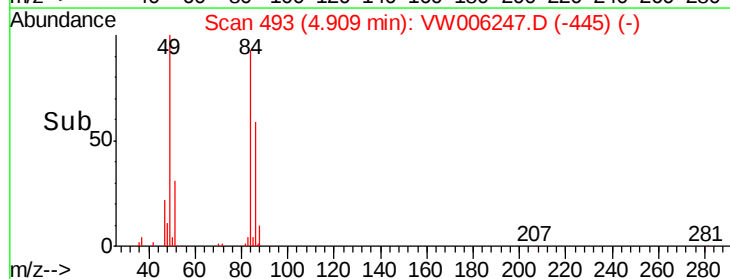
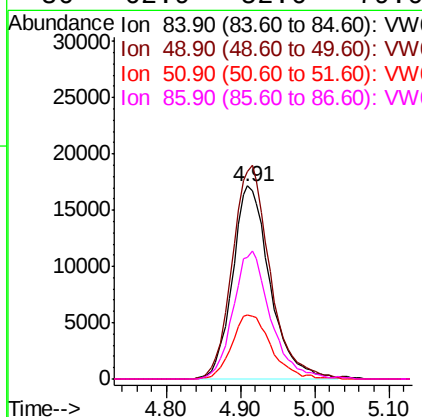
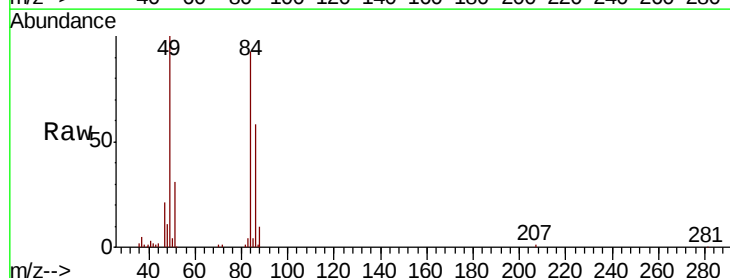
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

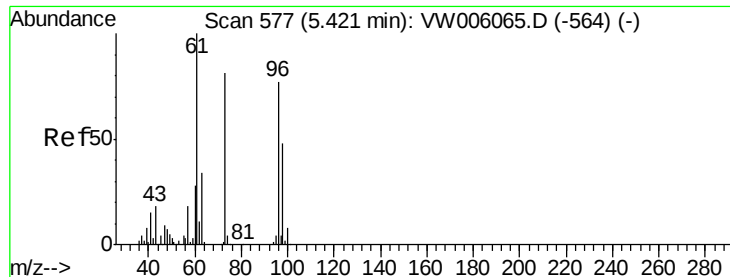
Tot Ion: 73 Resp: 82332
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2



#20
Methylene Chloride
Concen: 21.256 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 84 Resp: 60469
Ion Ratio Lower Upper
84 100
49 107.6 93.6 140.4
51 33.0 29.0 43.4
86 62.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.920 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

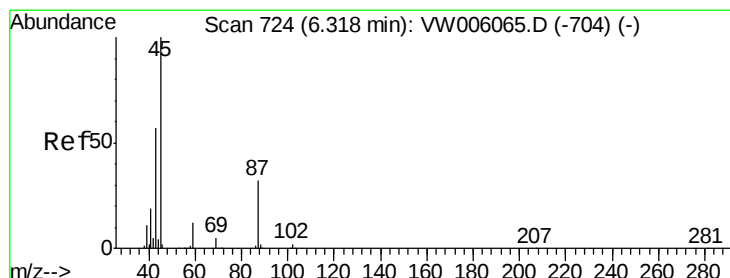
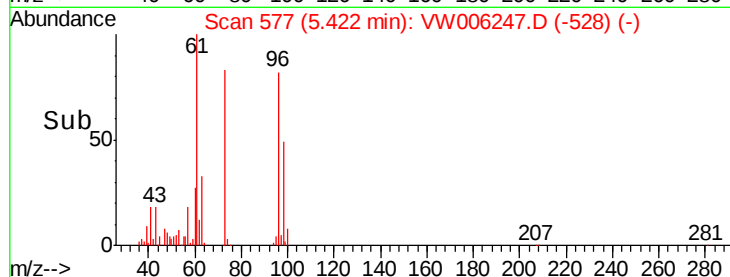
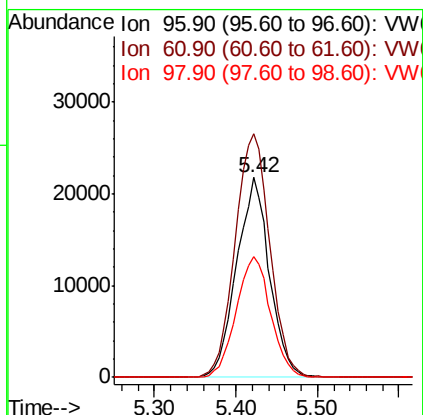
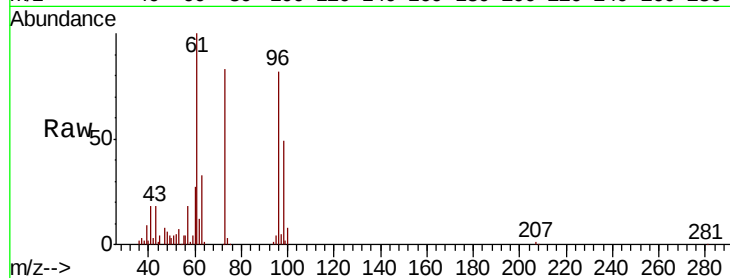
Tot Ion: 96 Resp: 60605

Ion Ratio Lower Upper

96 100

61 121.9 104.5 156.7

98 60.3 50.6 75.8



#22

Diisopropyl ether

Concen: 20.339 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Tgt Ion: 45 Resp: 149157

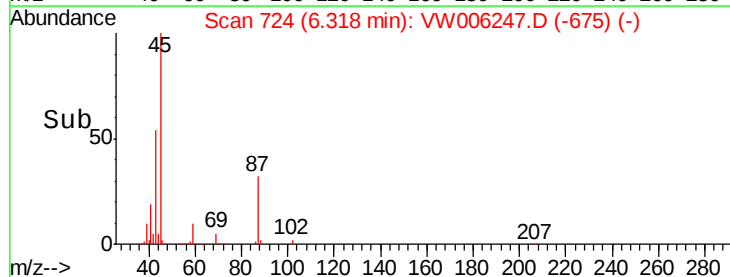
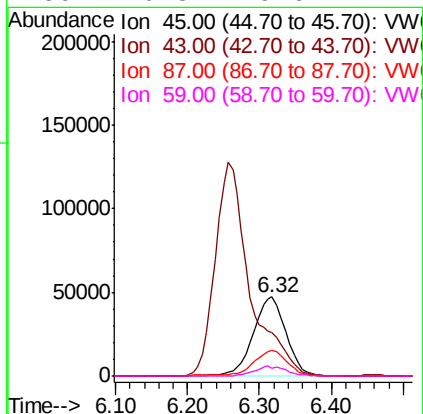
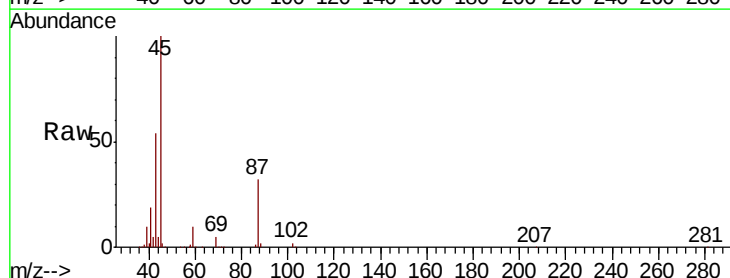
Ion Ratio Lower Upper

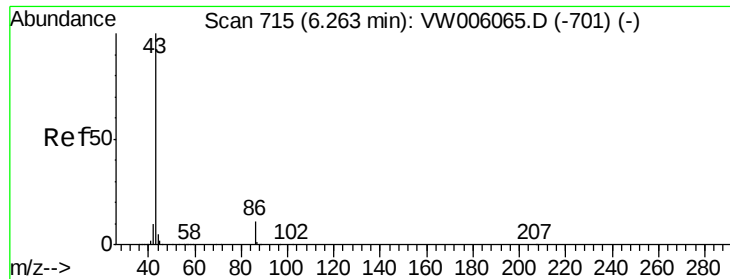
45 100

43 53.5 45.7 68.5

87 31.8 25.9 38.9

59 10.3 9.6 14.4





#23

Vinyl Acetate

Concen: 98.617 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

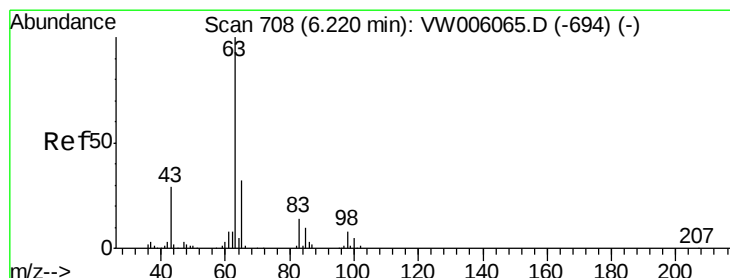
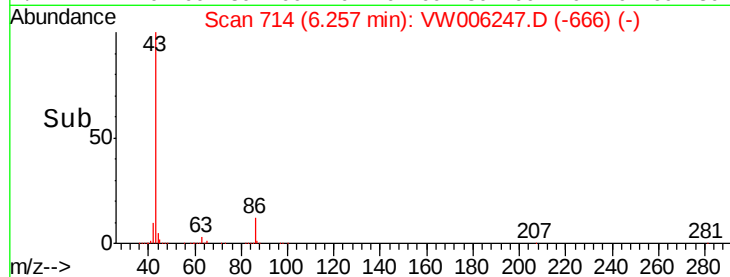
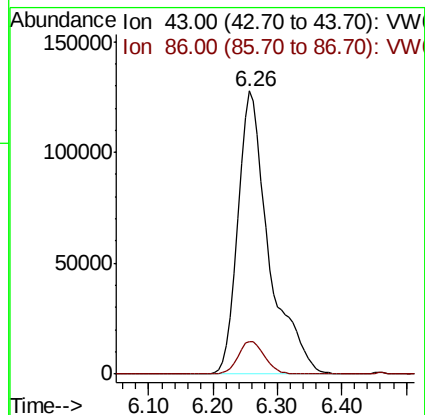
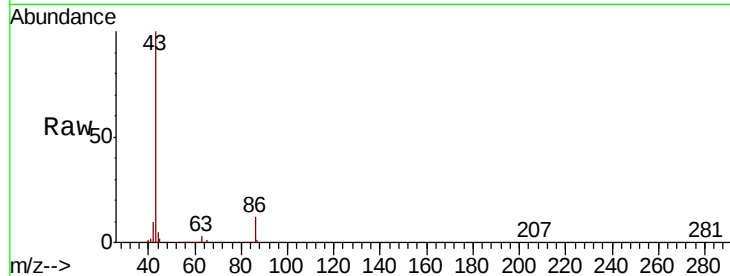
VW1022SBSD01

Tot Ion: 43 Resp: 426800

Ion Ratio Lower Upper

43 100

86 11.6 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.814 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

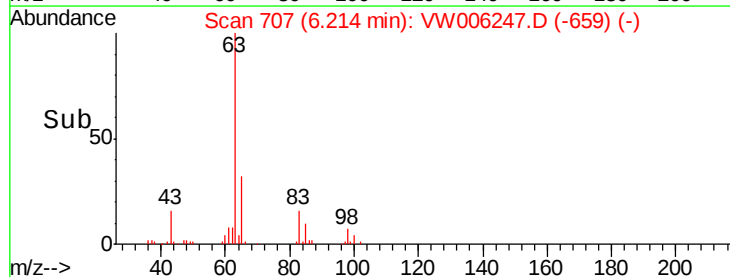
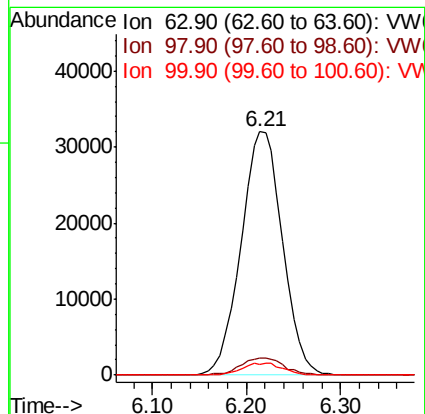
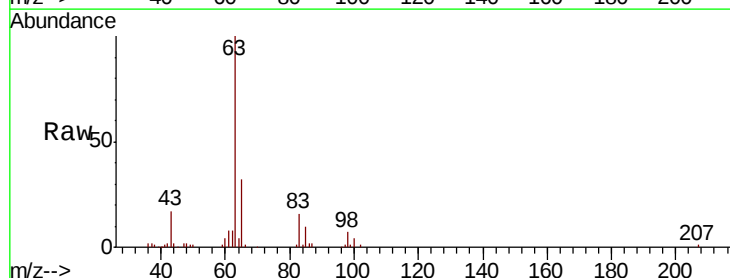
Tgt Ion: 63 Resp: 98493

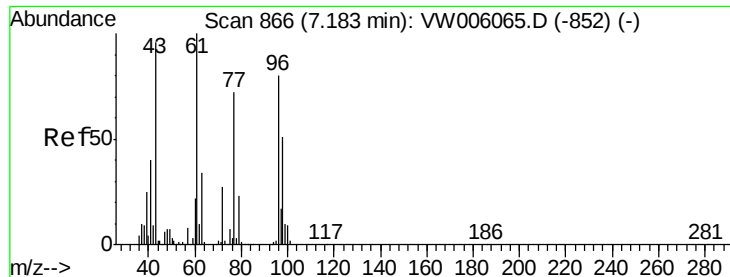
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 4.4 2.5 7.5





#25

2-Butanone

Concen: 112.541 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

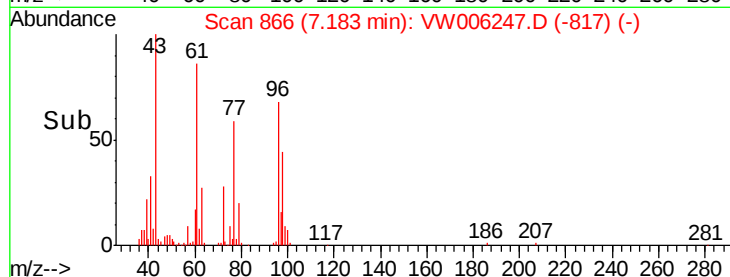
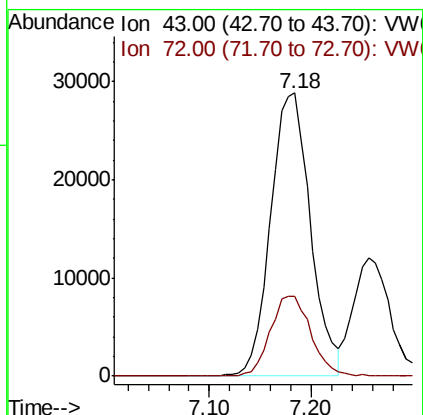
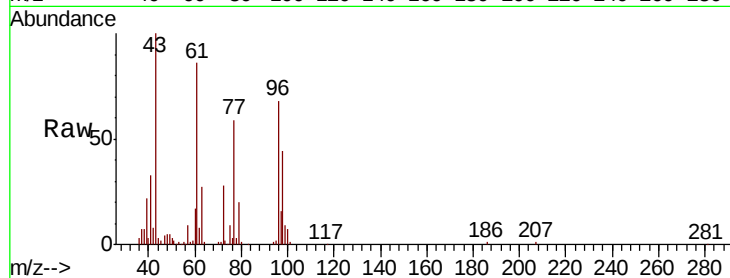
VW1022SBS01

Tot Ion: 43 Resp: 78295

Ion Ratio Lower Upper

43 100

72 28.3 22.8 34.2



#26

2,2-Dichloropropane

Concen: 20.828 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006247.D

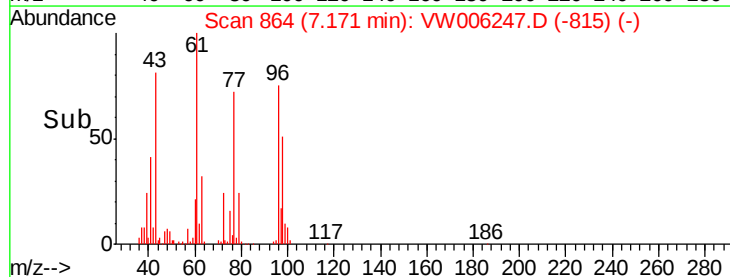
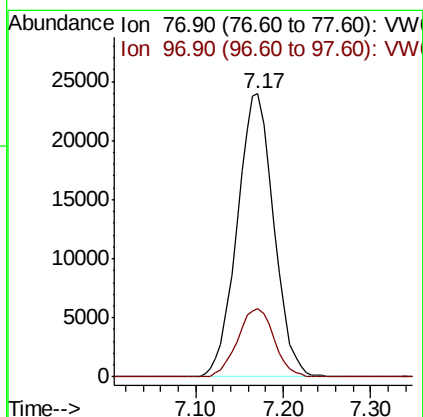
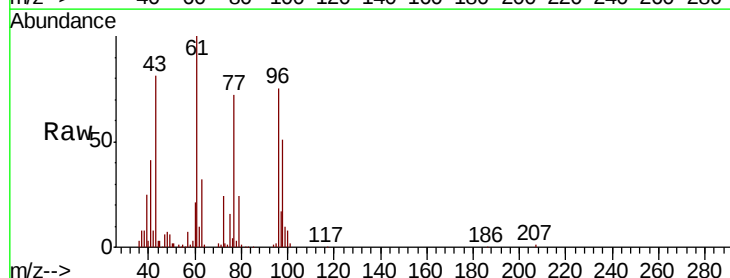
Acq: 22 Oct 2018 13:26

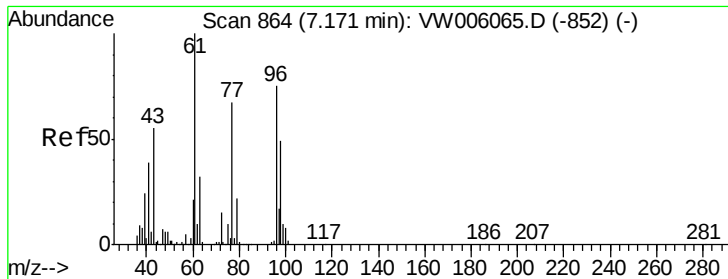
Tgt Ion: 77 Resp: 69511

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.4



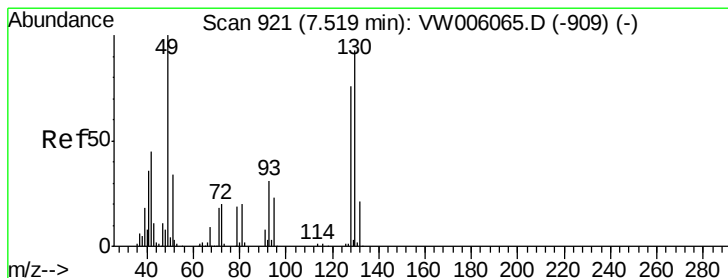
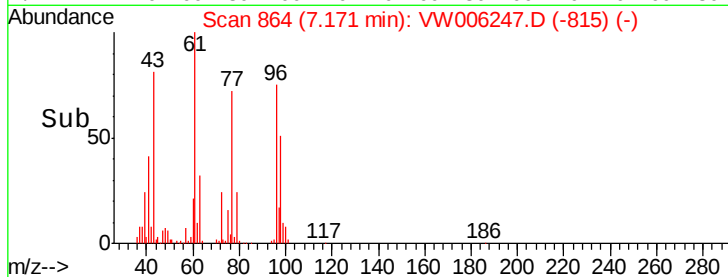
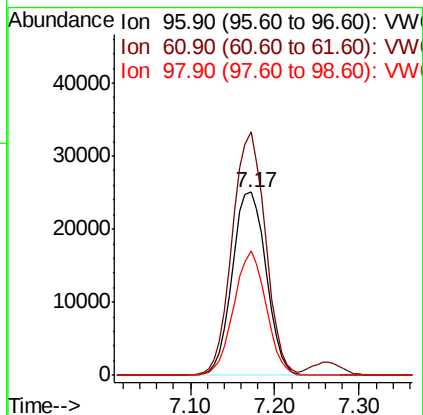
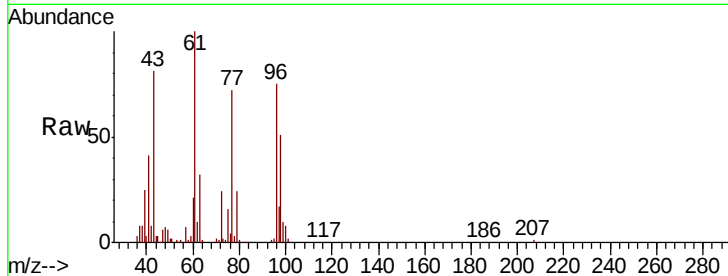


#27

cis-1,2-Dichloroethene
Concen: 21.375 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

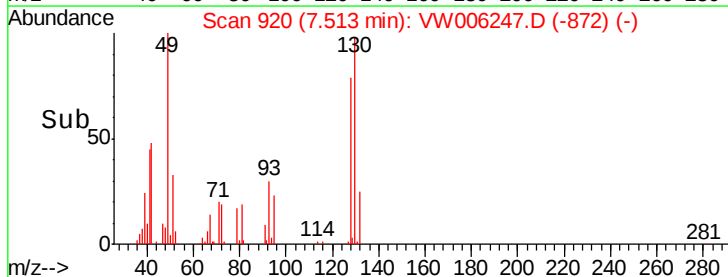
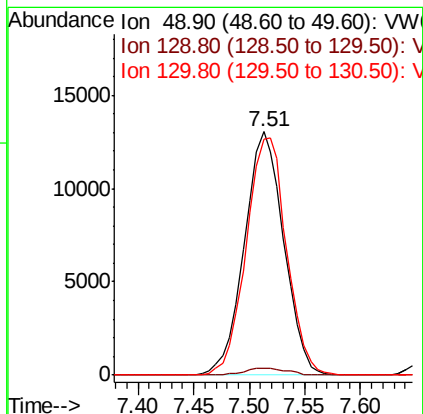
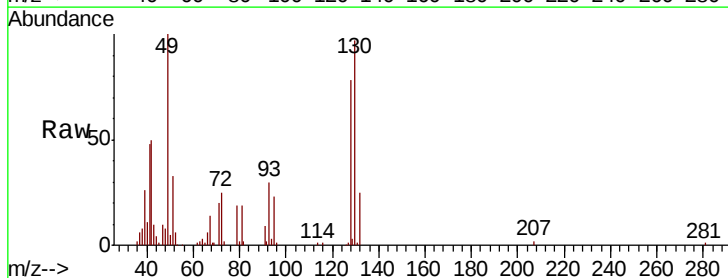
Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	0.0	267.2
98	64.3	0.0	128.6



#28

Bromochloromethane
Concen: 17.589 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.0
130	99.8	73.8	110.8





#29

Tetrahydrofuran

Concen: 101.501 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD01

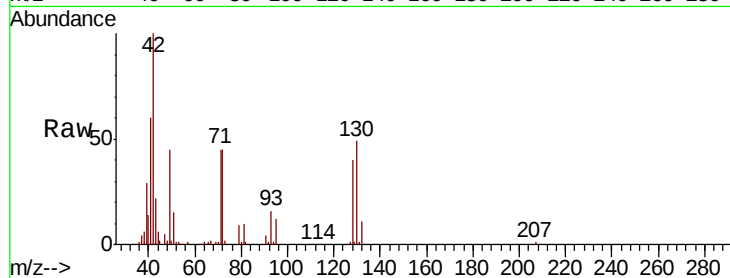
Tot Ion: 42 Resp: 43405

Ion Ratio Lower Upper

42 100

72 49.4 38.0 57.0

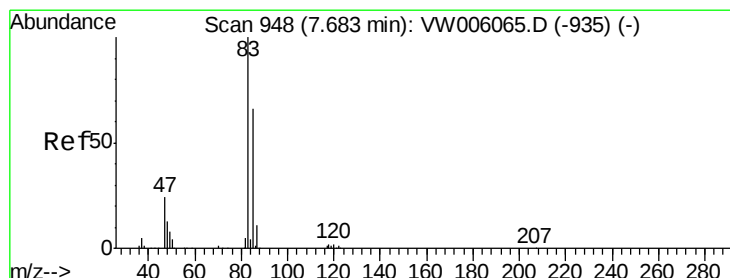
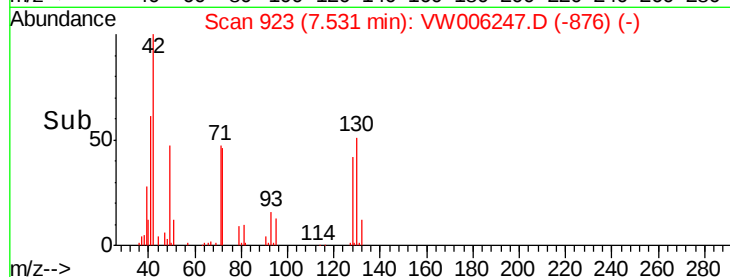
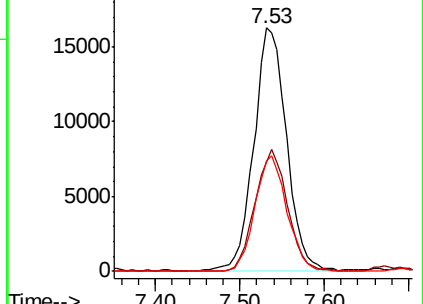
71 46.1 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 21.081 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006247.D

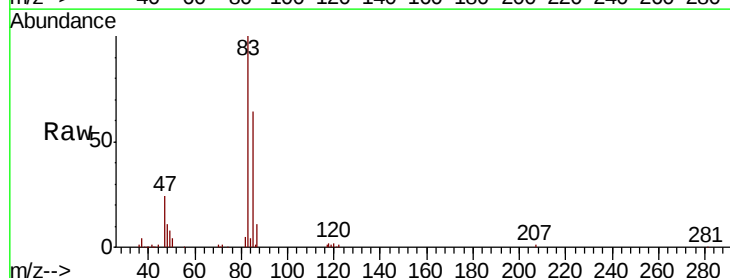
Acq: 22 Oct 2018 13:26

Tgt Ion: 83 Resp: 108686

Ion Ratio Lower Upper

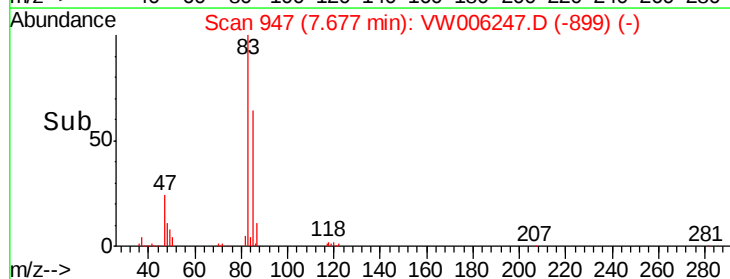
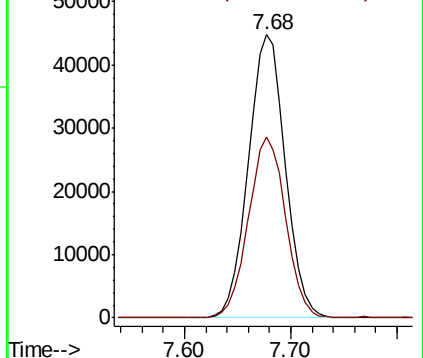
83 100

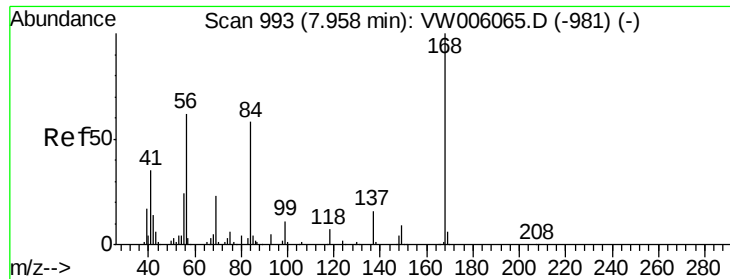
85 63.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

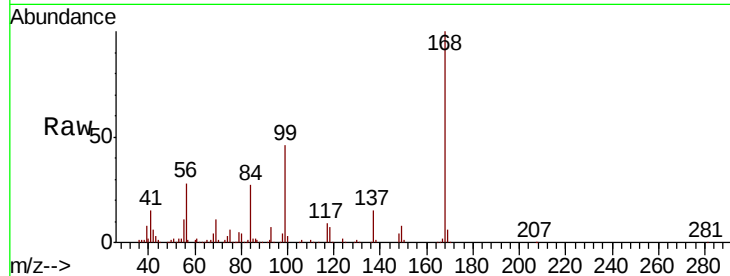




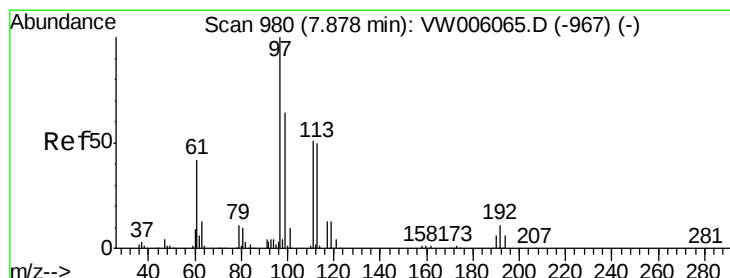
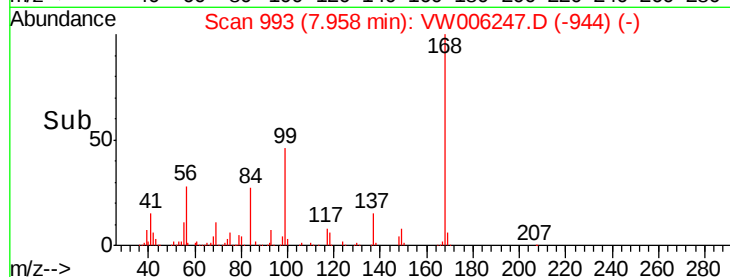
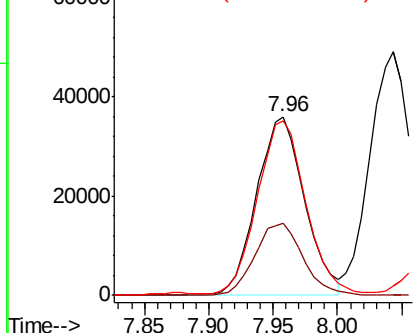
#31
Cyclohexane
Concen: 19.726 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion: 56 Resp: 92956
Ion Ratio Lower Upper
56 100
69 40.7 29.4 44.0
84 96.6 74.0 111.0

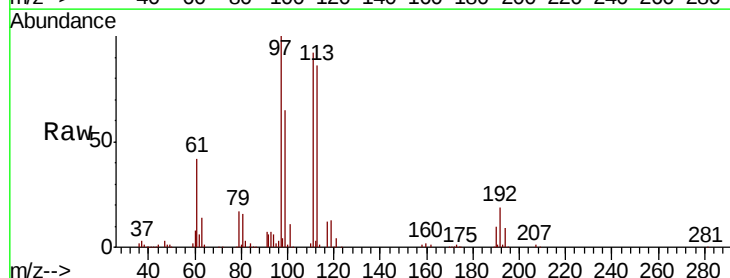


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

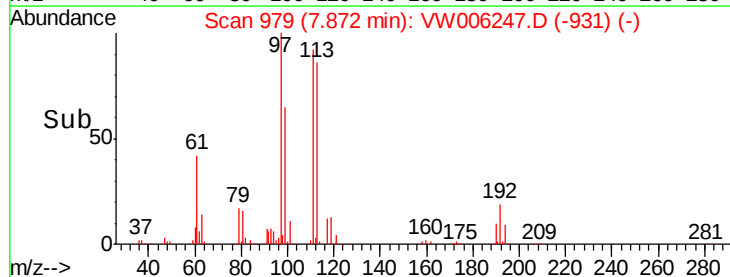
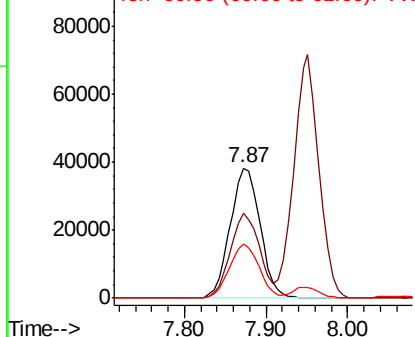


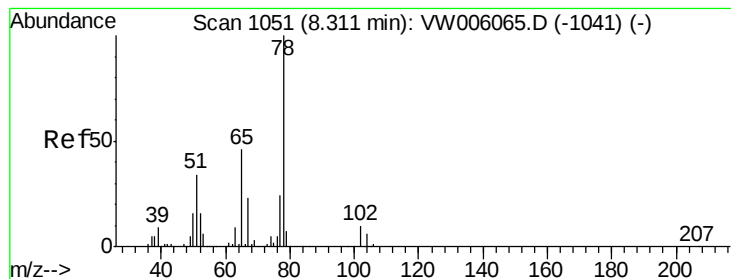
#32
1,1,1-Trichloroethane
Concen: 20.754 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 97 Resp: 96518
Ion Ratio Lower Upper
97 100
99 63.9 50.9 76.3
61 41.8 33.7 50.5



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





#33

1,2-Dichloroethane-d4

Concen: 44.876 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

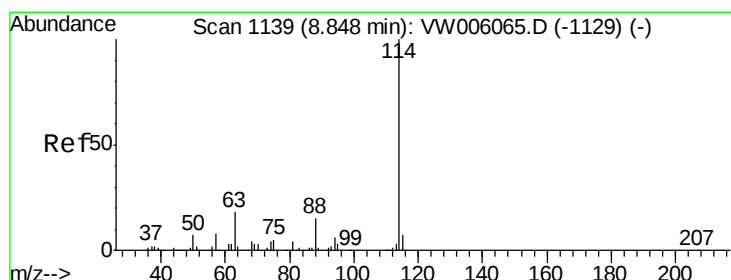
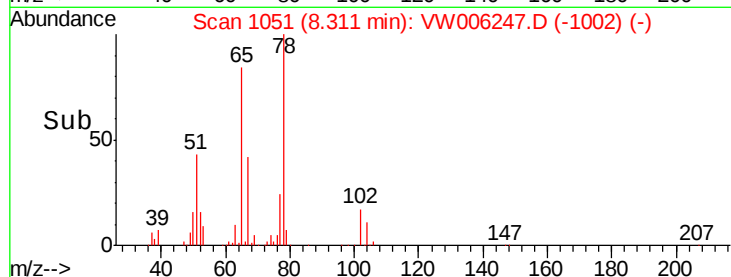
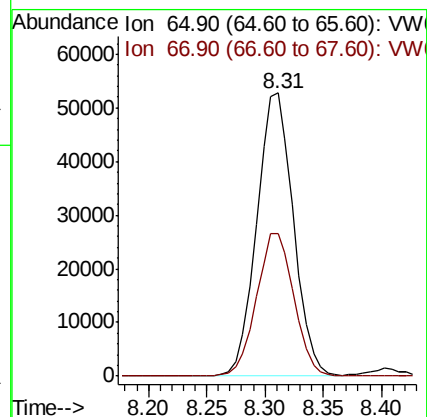
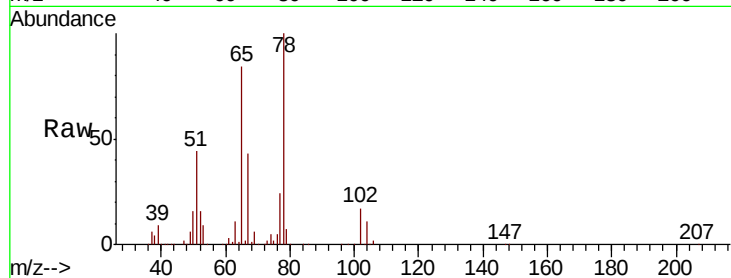
VW1022SBSD01

Tot Ion: 65 Resp: 115566

Ion Ratio Lower Upper

65 100

67 51.5 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: VW006247.D

Acq: 22 Oct 2018 13:26

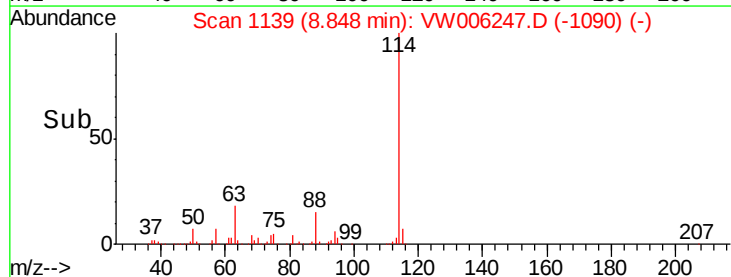
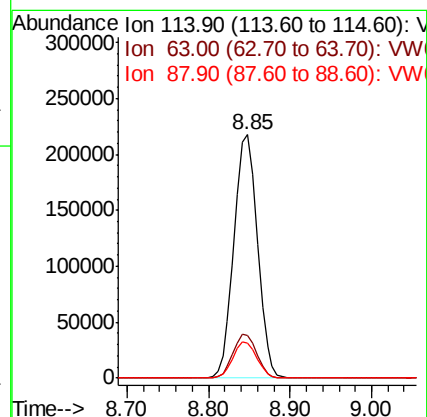
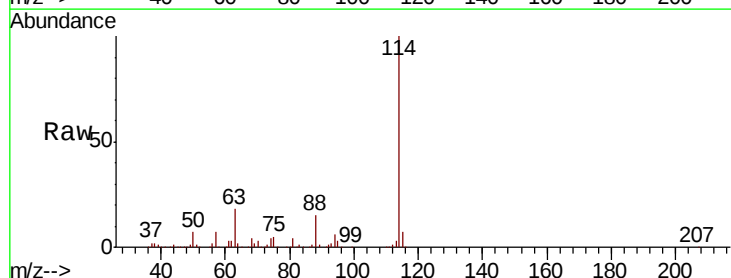
Tgt Ion: 114 Resp: 432577

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 14.5 0.0 29.0

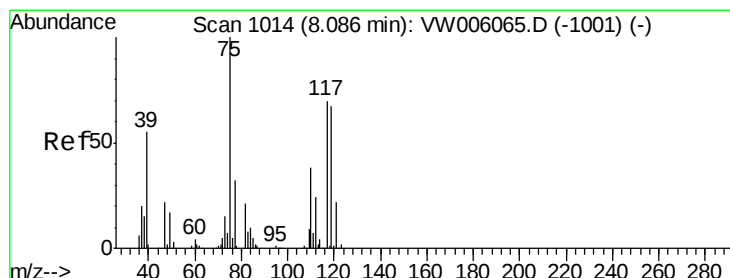
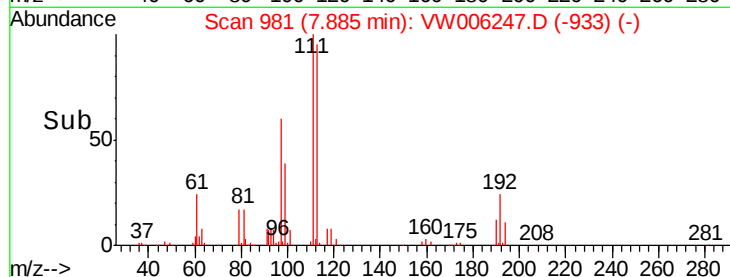
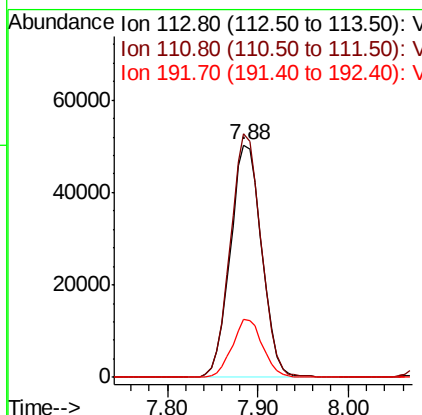
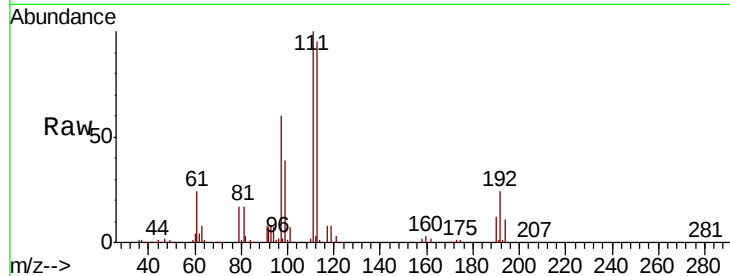




#35
 Dibromofluoromethane
 Concen: 47.297 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

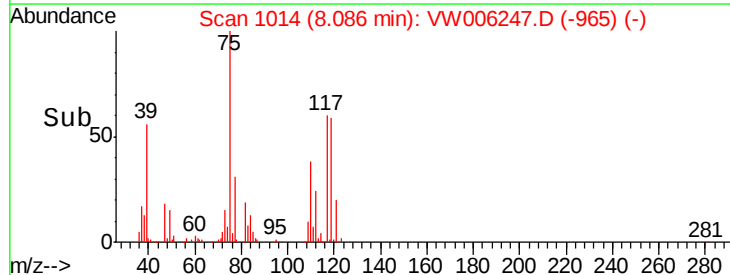
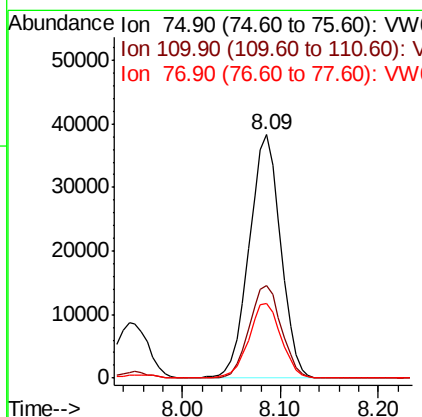
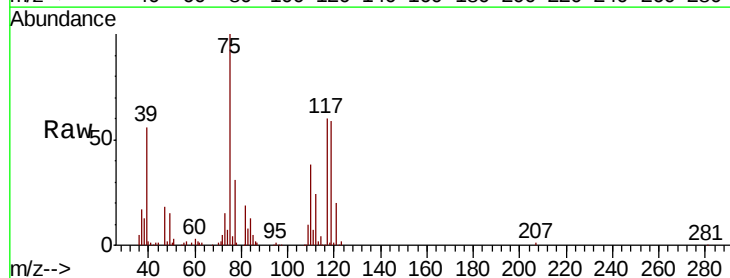
Instrument :
 MSVOA_W
 ClientSampled :
 VW1022SBSD01

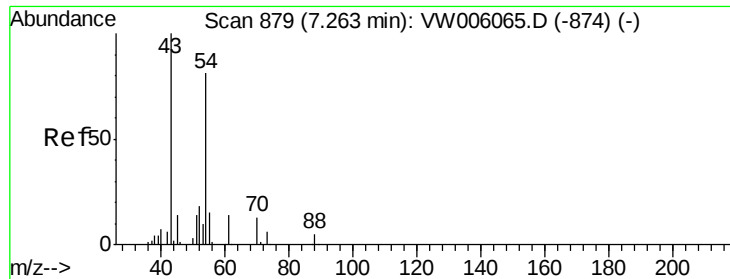
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	24.1	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 21.485 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.1	57.1
77	31.4	25.0	37.4

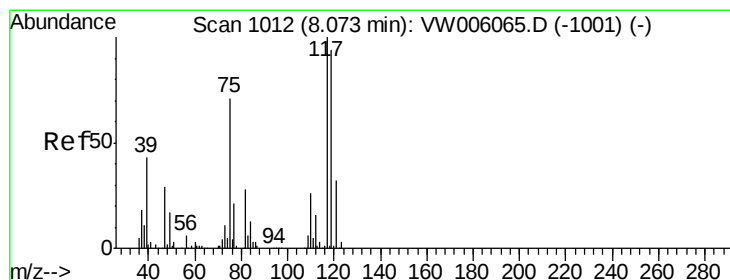
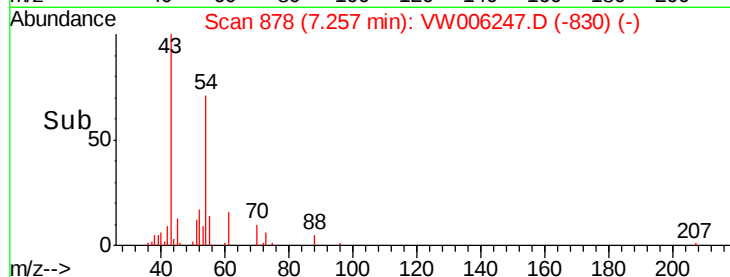
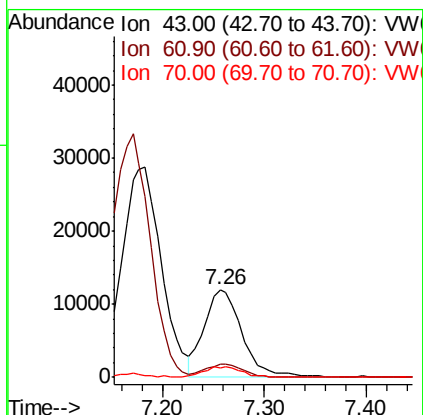
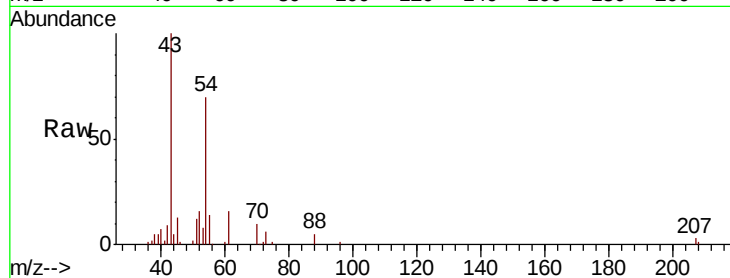




#37
Ethyl Acetate
Concen: 20.710 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

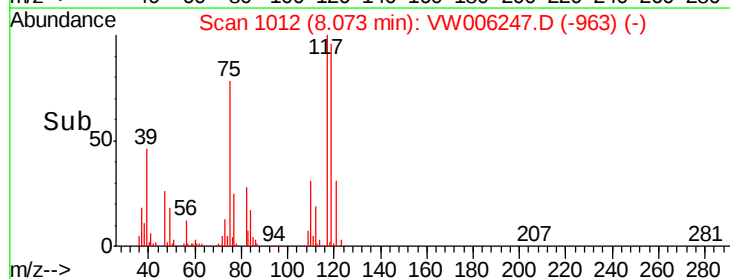
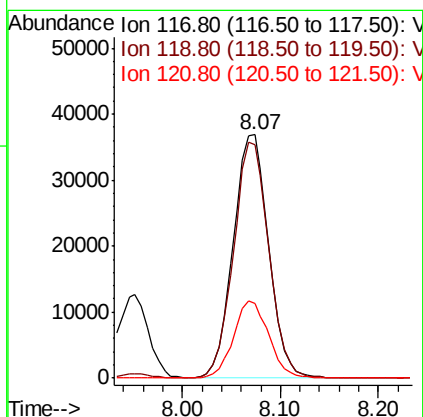
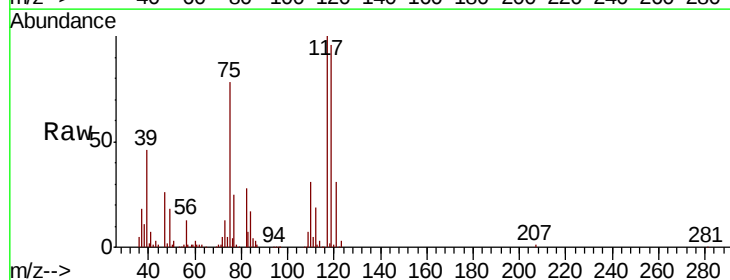
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

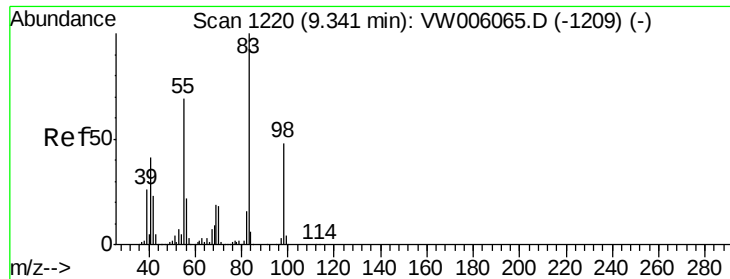
Tot Ion: 43 Resp: 30679
Ion Ratio Lower Upper
43 100
61 15.4 11.5 17.3
70 12.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 21.170 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 117 Resp: 92530
Ion Ratio Lower Upper
117 100
119 96.1 75.2 112.8
121 30.8 25.3 37.9

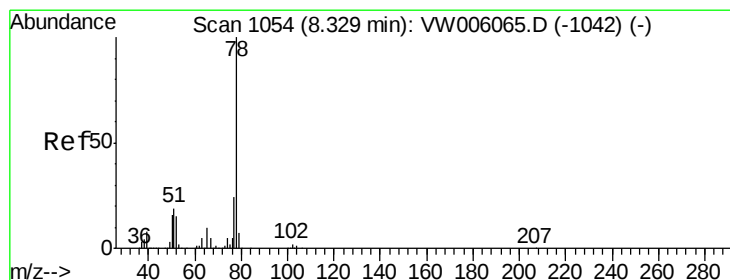
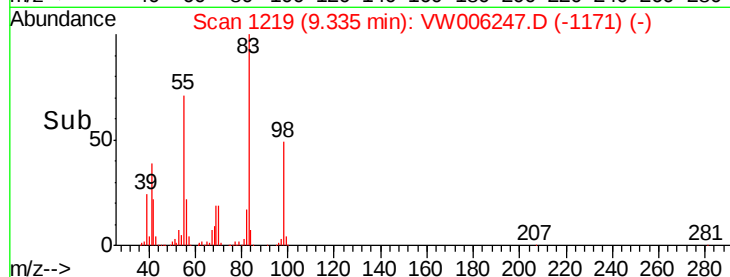
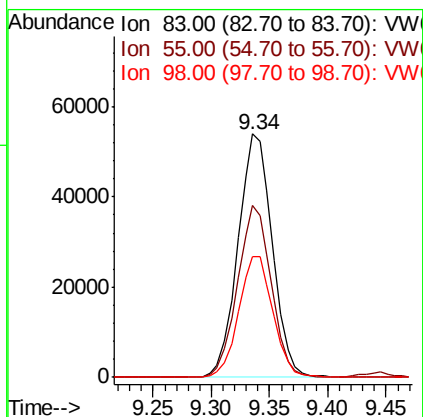
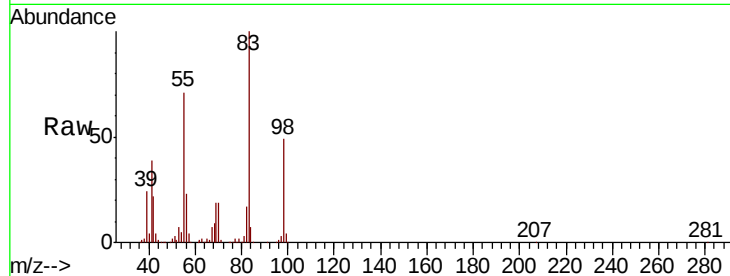




#39
Methvlcvclohexane
Concen: 20.904 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

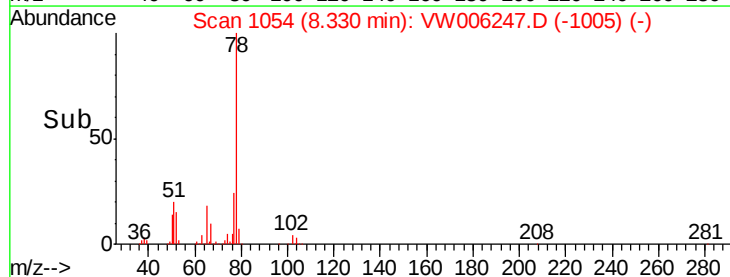
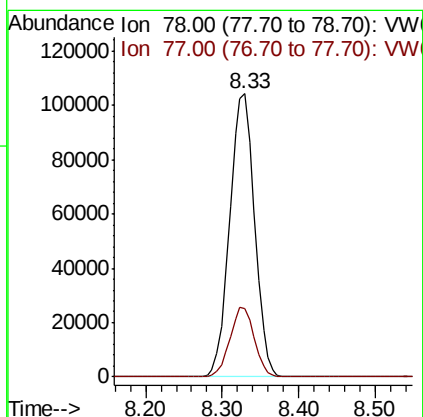
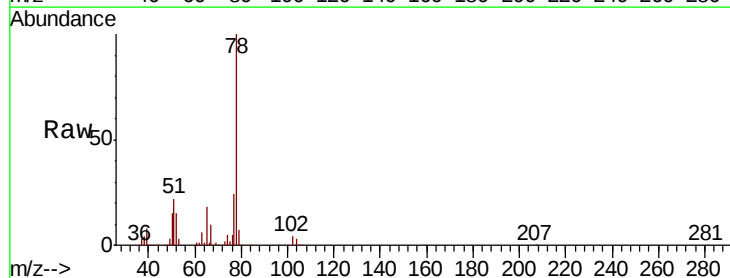
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

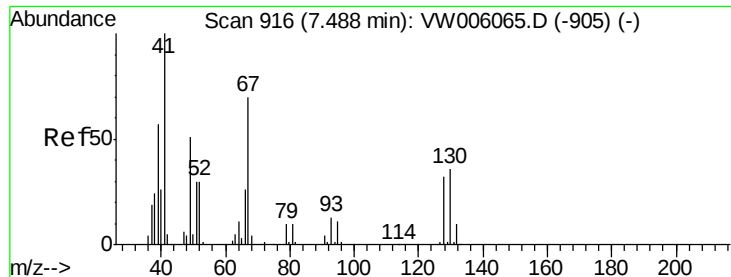
Tot Ion: 83 Resp: 110790
Ion Ratio Lower Upper
83 100
55 70.7 55.0 82.6
98 49.3 38.6 57.8



#40
Benzene
Concen: 21.429 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 78 Resp: 234367
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

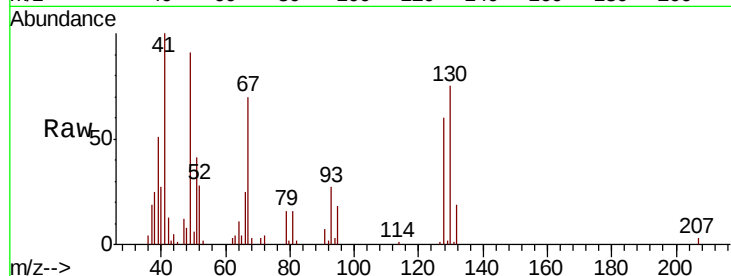




#41
Methacrylonitrile
Concen: 20.118 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBS01

Tot Ion:	41	Resp:	17966
Ion	Ratio	Lower	Upper
41	100		
39	57.0	46.2	69.4
67	79.3	57.7	86.5
52	32.7	24.7	37.1



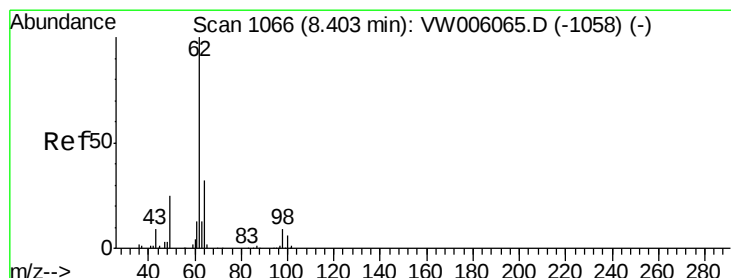
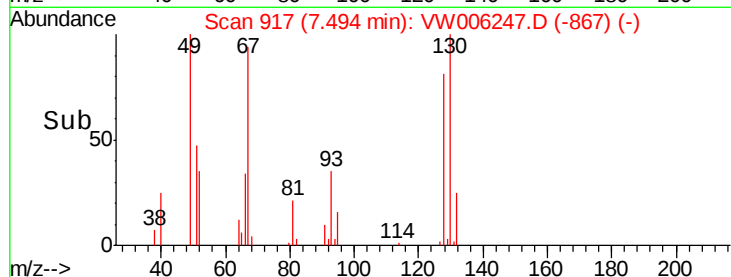
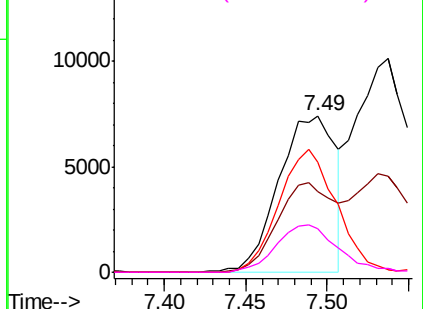
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

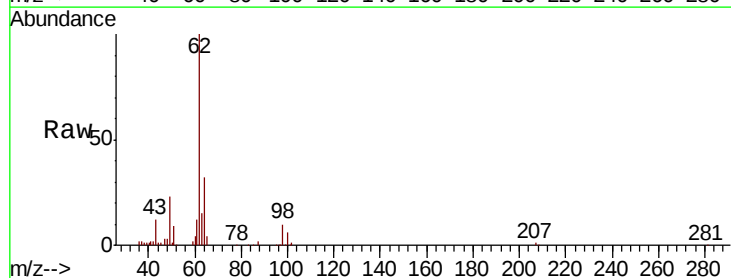
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.472 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

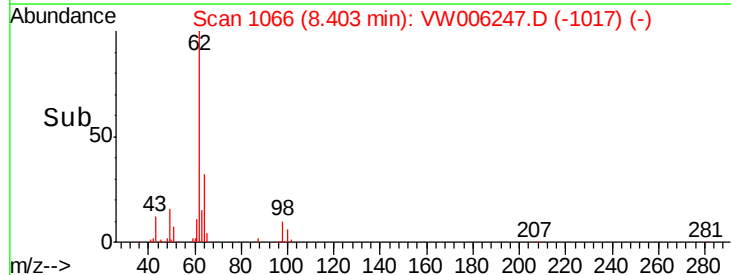
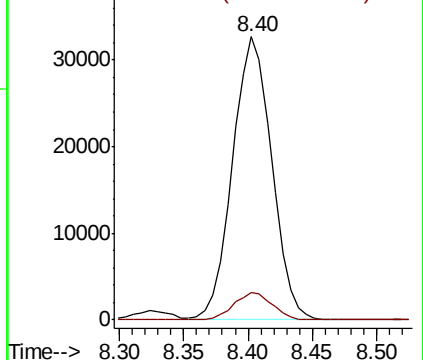
Tgt Ion:	62	Resp:	68995
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4

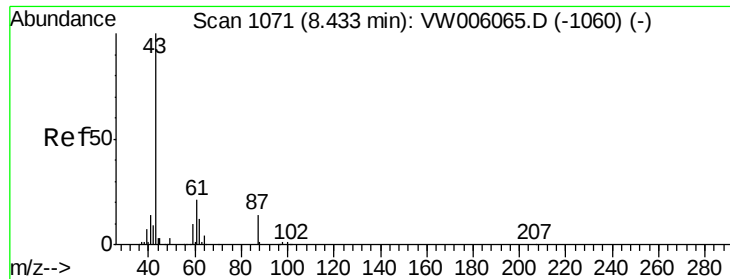


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.007 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

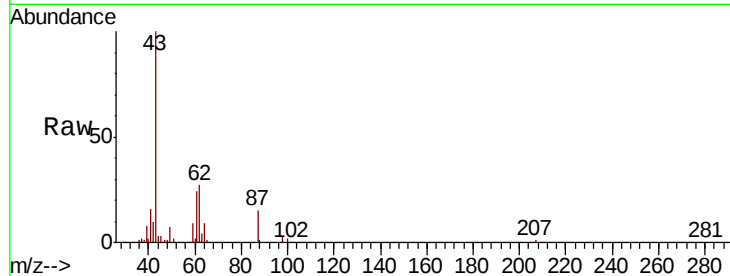
Tot Ion: 43 Resp: 60599

Ion Ratio Lower Upper

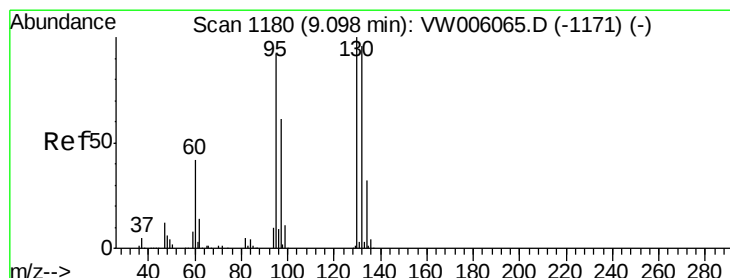
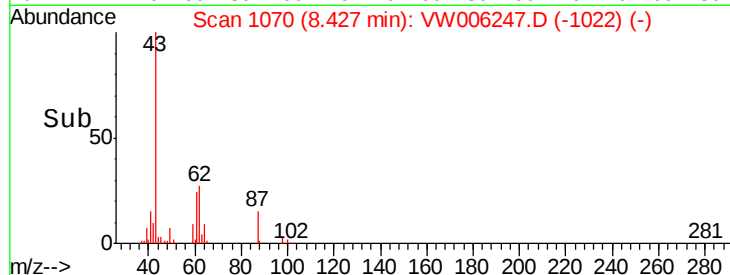
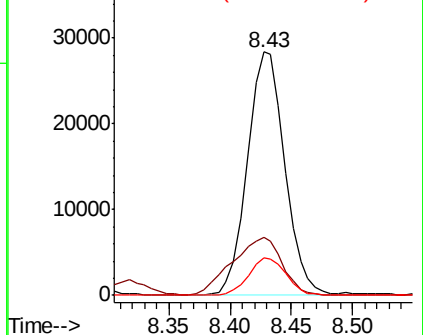
43 100

61 31.6 25.5 38.3

87 15.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.842 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006247.D

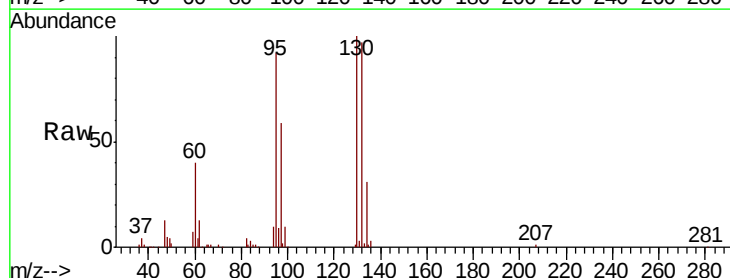
Acq: 22 Oct 2018 13:26

Tgt Ion: 130 Resp: 73289

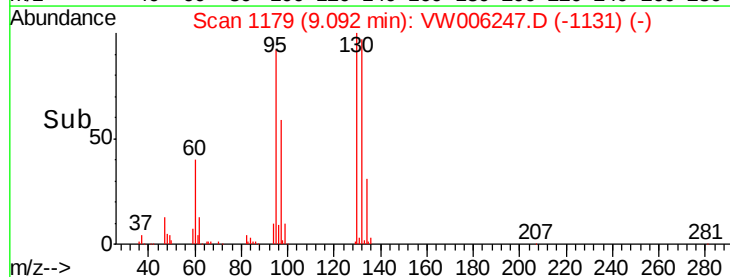
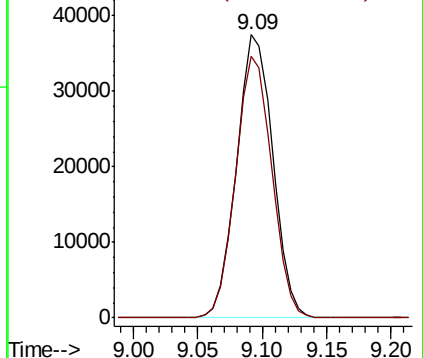
Ion Ratio Lower Upper

130 100

95 92.2 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: 21.043 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

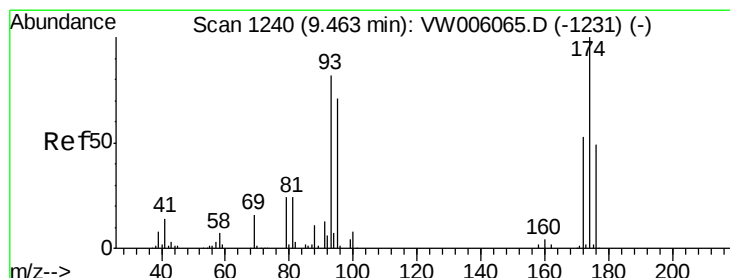
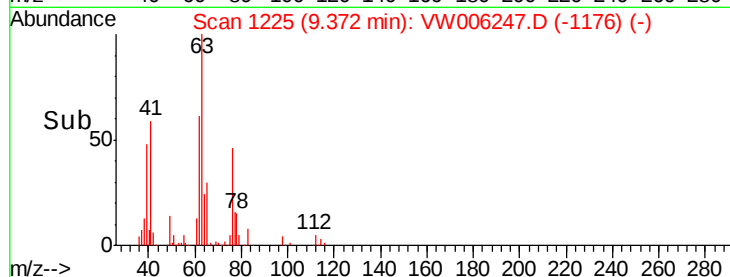
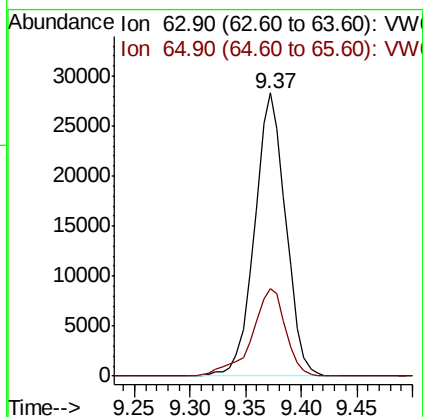
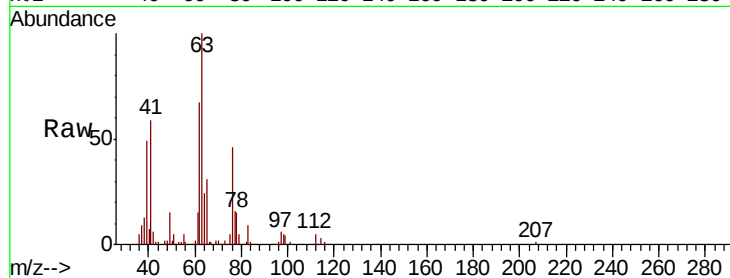
VW1022SBSD01

Tot Ion: 63 Resp: 55074

Ion Ratio Lower Upper

63 100

65 31.1 25.4 38.0



#46

Dibromomethane

Concen: 21.675 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

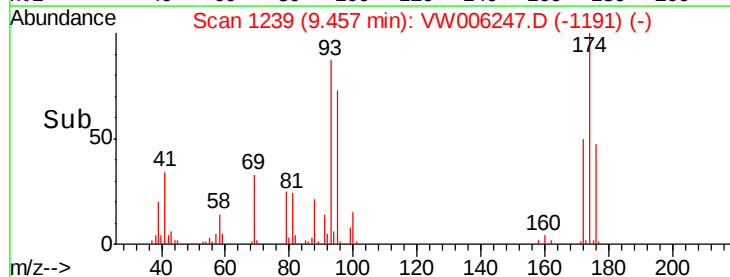
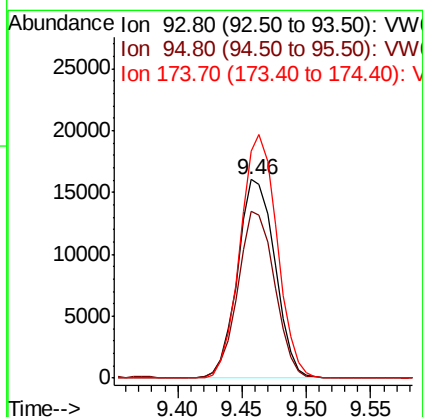
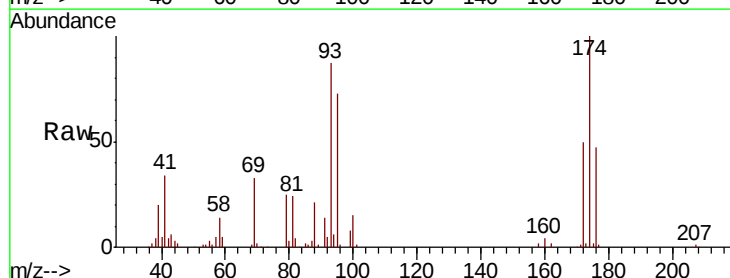
Tgt Ion: 93 Resp: 32331

Ion Ratio Lower Upper

93 100

95 82.7 67.7 101.5

174 120.1 93.7 140.5

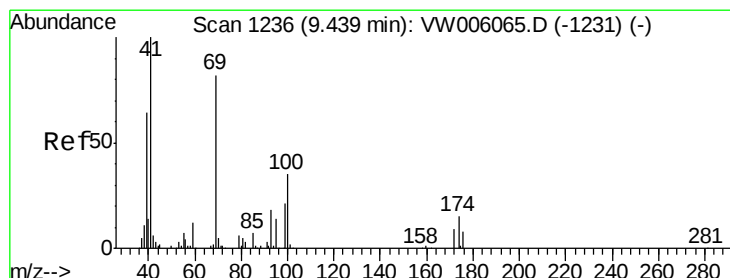
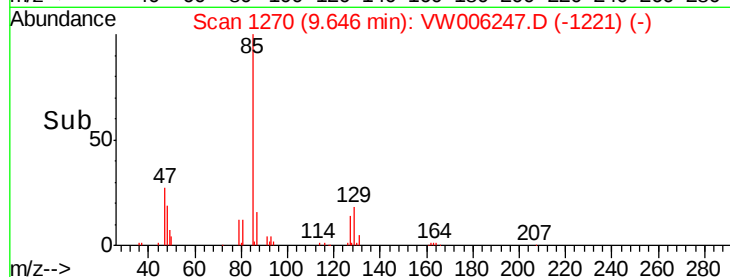
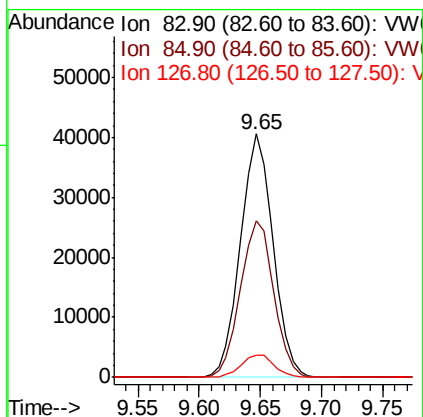
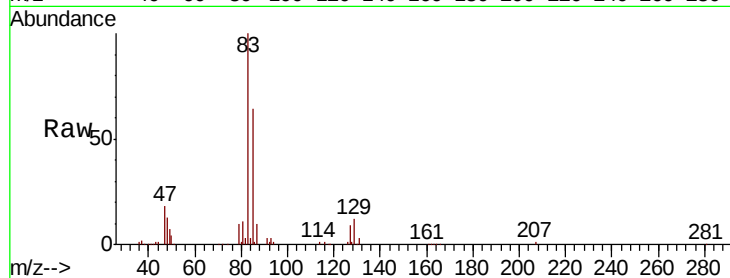




#47
Bromodichloromethane
Concen: 20.804 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

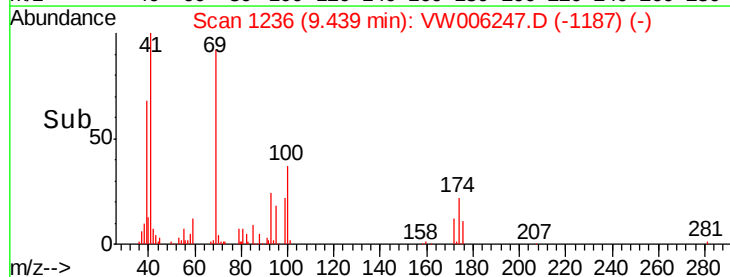
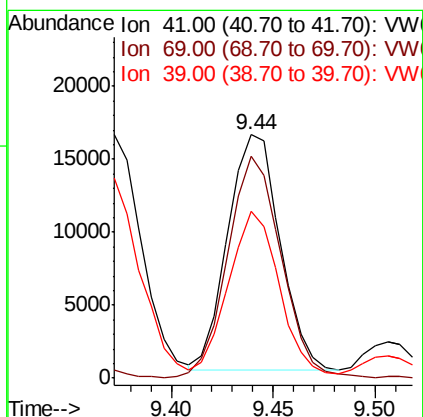
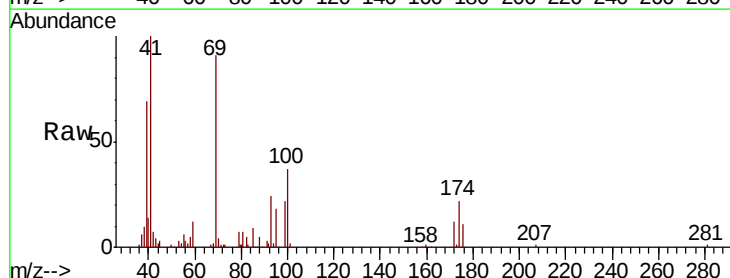
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

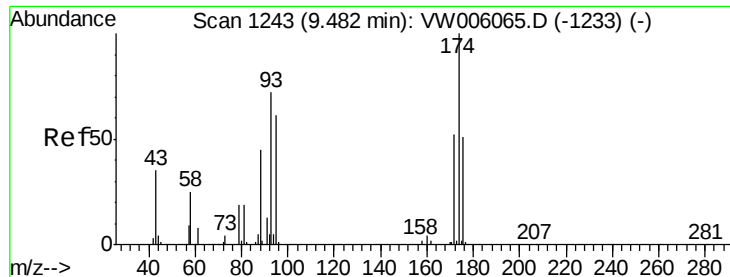
Tot Ion: 83 Resp: 75235
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8
127 9.1 6.9 10.3



#48
Methyl methacrylate
Concen: 20.056 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 41 Resp: 28795
Ion Ratio Lower Upper
41 100
69 96.6 71.8 107.8
39 65.4 52.5 78.7





#49

1,4-Dioxane

Concen: 415.528 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.02 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

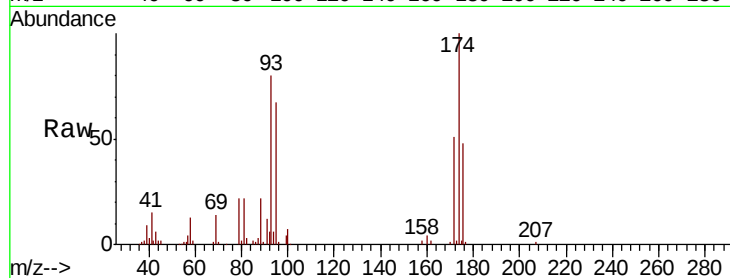
Tot Ion: 88 Resp: 9542

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

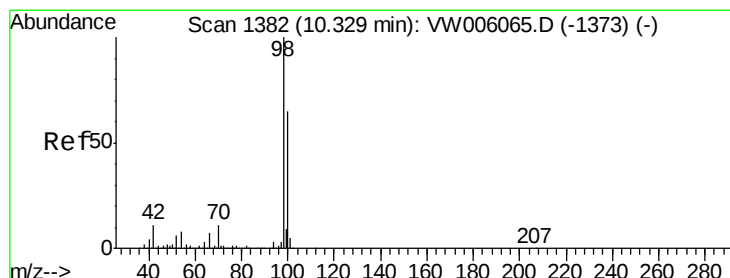
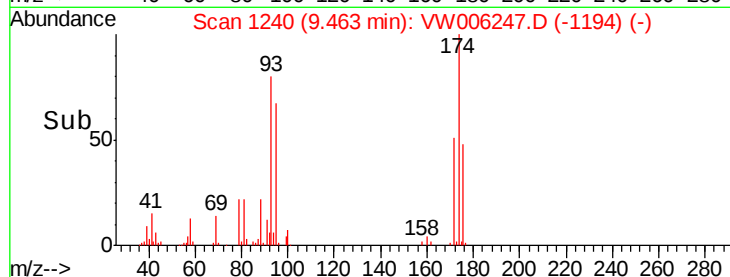
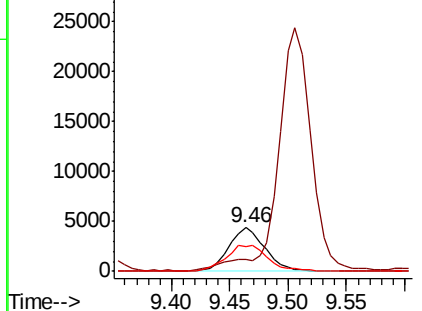
58 69.0 51.2 76.8



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: 46.410 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006247.D

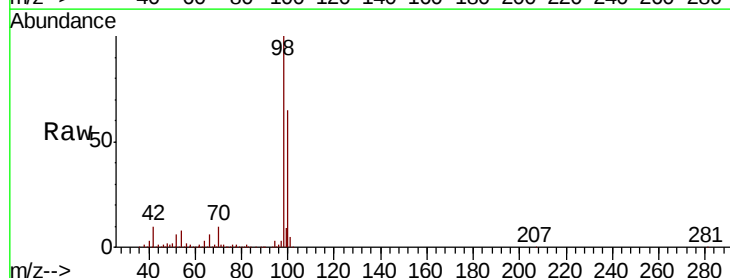
Acq: 22 Oct 2018 13:26

Tgt Ion: 98 Resp: 451320

Ion Ratio Lower Upper

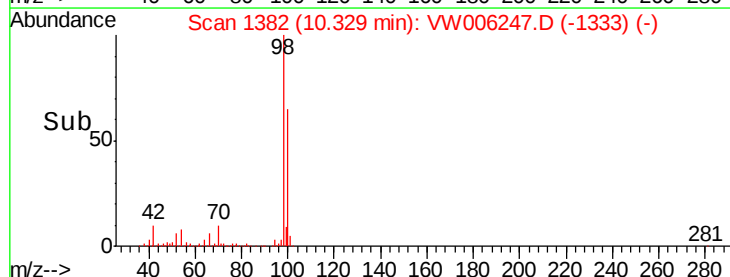
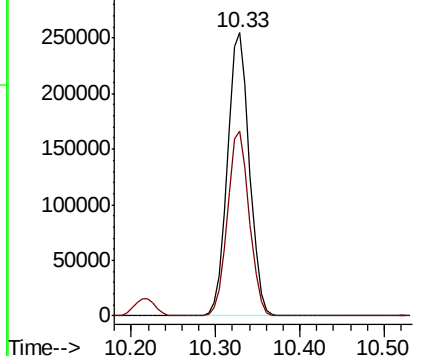
98 100

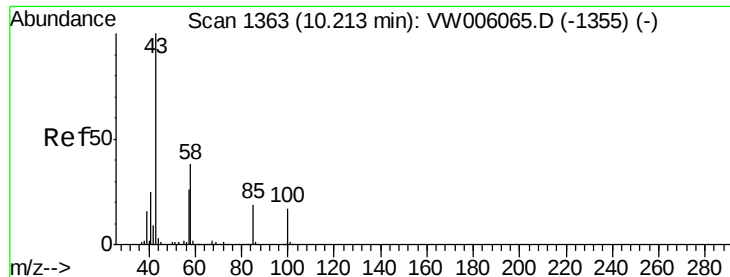
100 64.9 51.6 77.4



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: 103.094 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

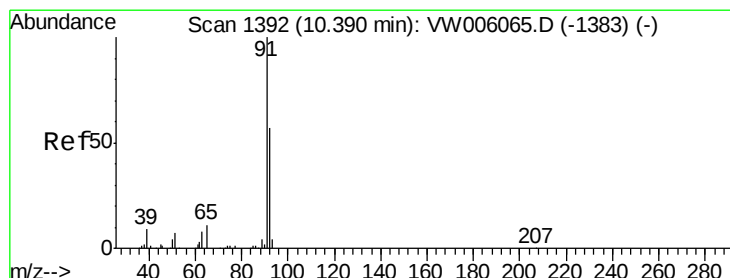
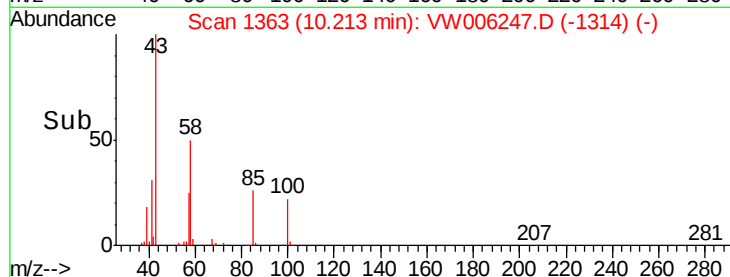
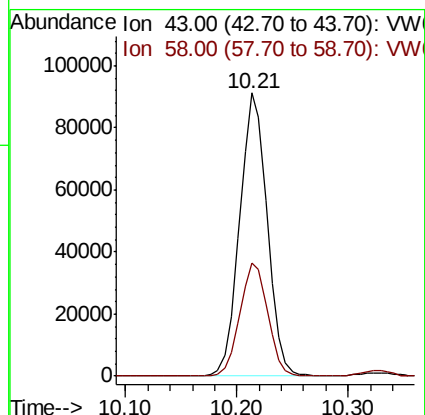
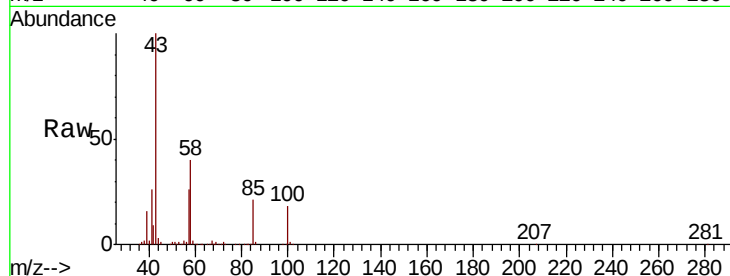
VW1022SBSD01

Tot Ion: 43 Resp: 156455

Ion Ratio Lower Upper

43 100

58 40.5 31.5 47.3



#52

Toluene

Concen: 21.655 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006247.D

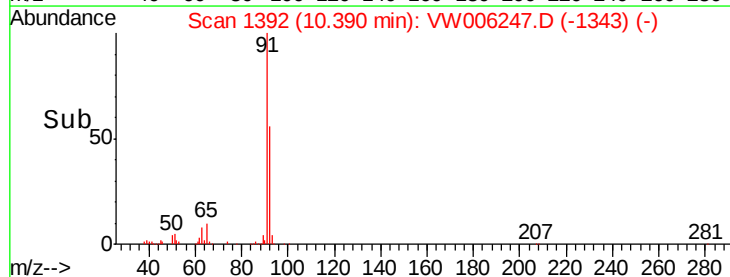
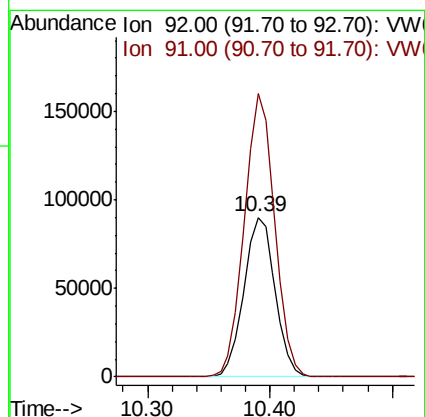
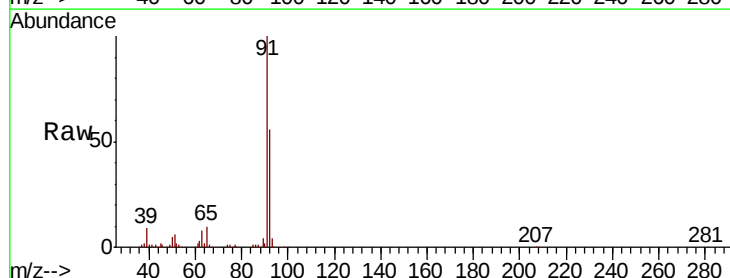
Acq: 22 Oct 2018 13:26

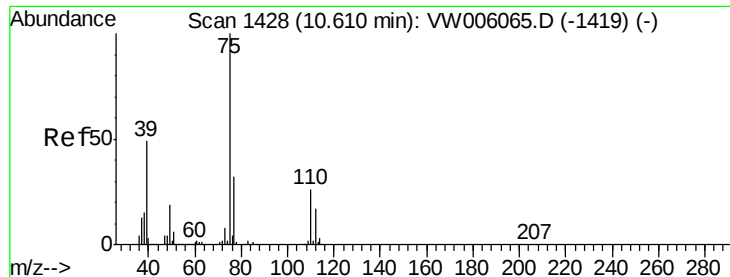
Tgt Ion: 92 Resp: 158786

Ion Ratio Lower Upper

92 100

91 173.5 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 20.691 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

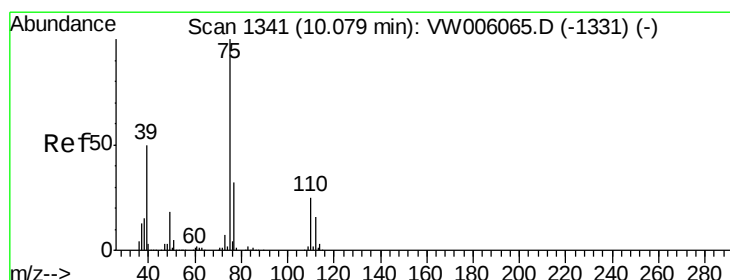
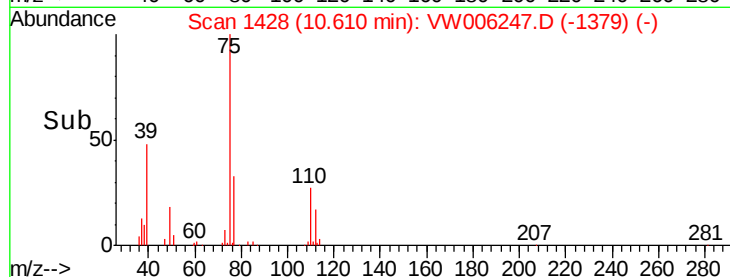
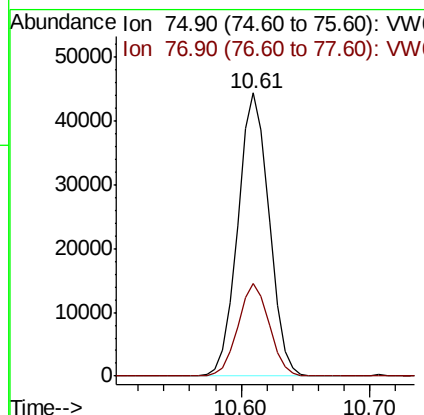
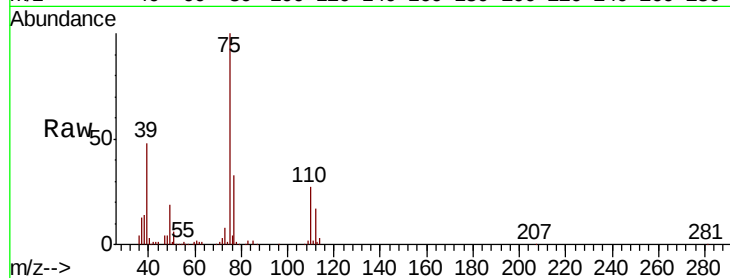
VW1022SBSD01

Tot Ion: 75 Resp: 74553

Ion Ratio Lower Upper

75 100

77 32.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.878 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

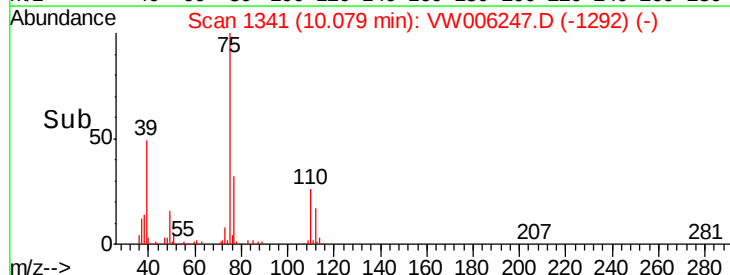
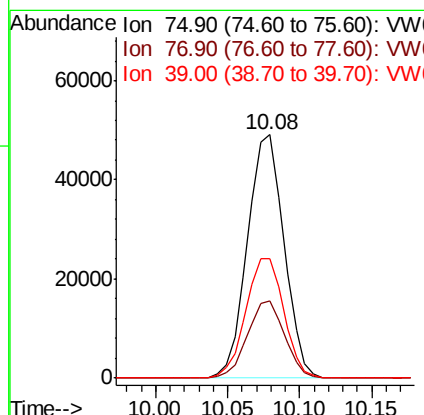
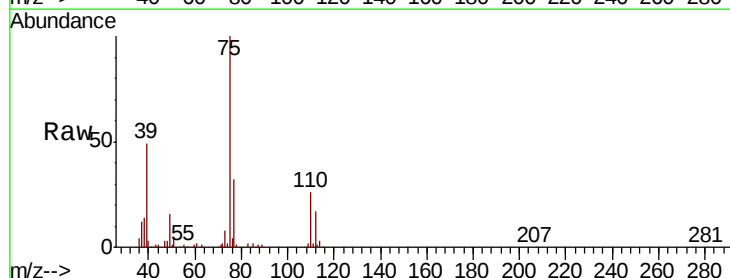
Tgt Ion: 75 Resp: 86337

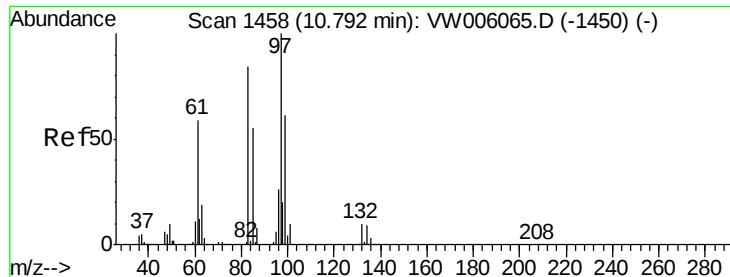
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 48.8 39.9 59.9

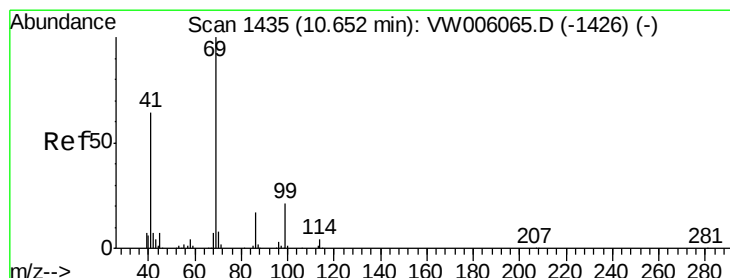
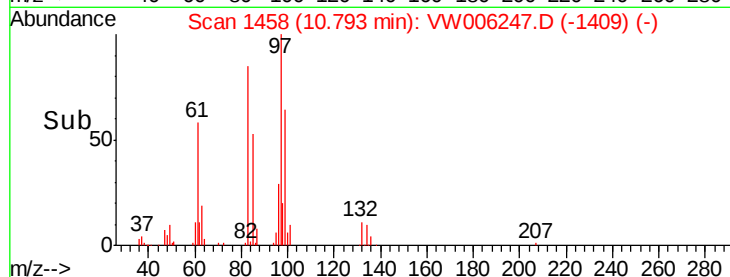
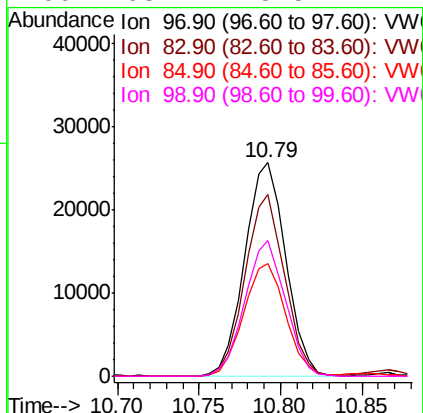
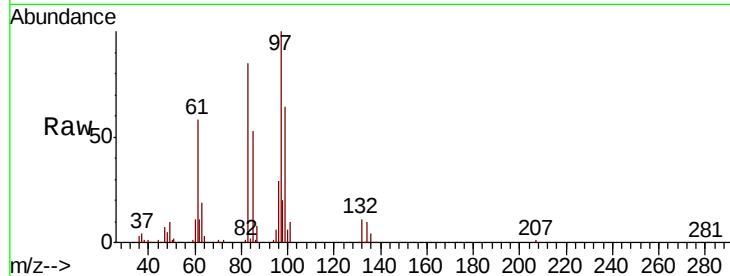




#55
 1,1,2-Trichloroethane
 Concen: 21.553 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

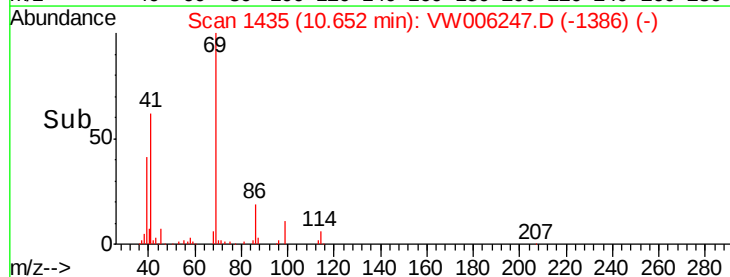
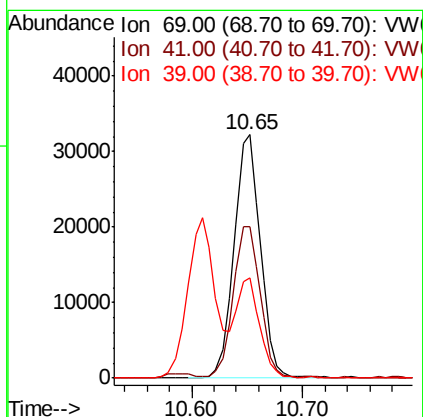
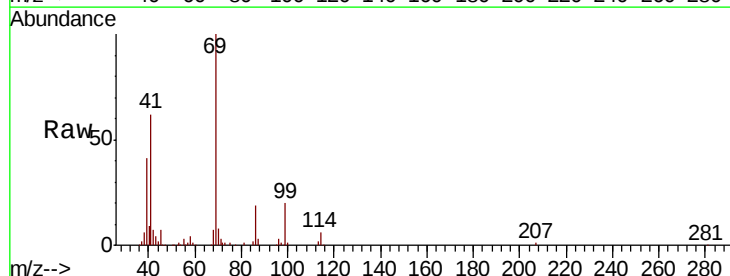
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD01

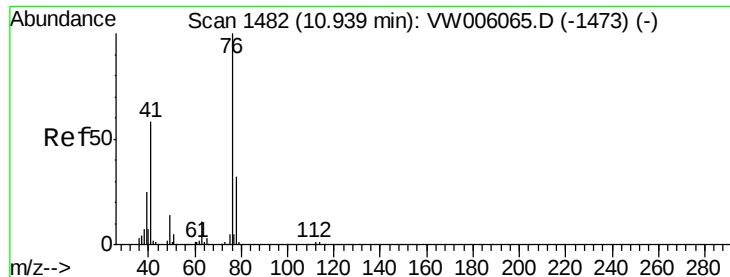
Tot Ion:	97	Resp:	44990
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.2	100.8
85	52.8	43.7	65.5
99	63.7	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 20.564 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

Tgt Ion:	69	Resp:	52624
Ion	Ratio	Lower	Upper
69	100		
41	64.1	52.8	79.2
39	35.3	30.6	45.8

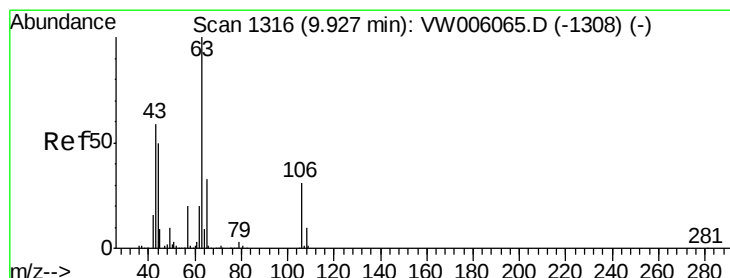
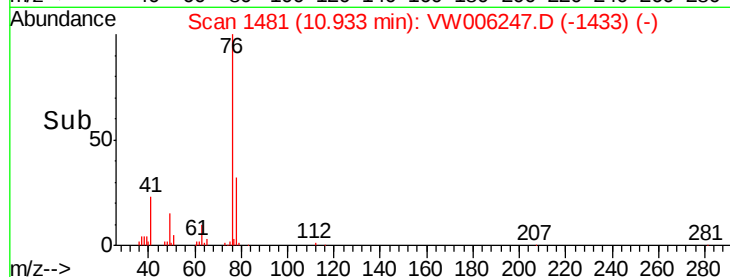
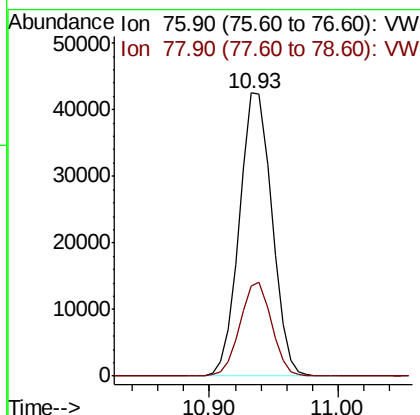
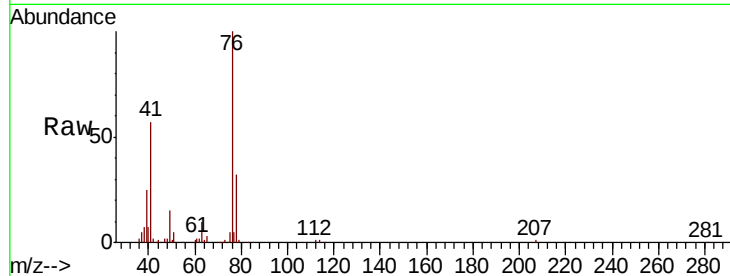




#57
 1,3-Dichloropropane
 Concen: 21.583 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

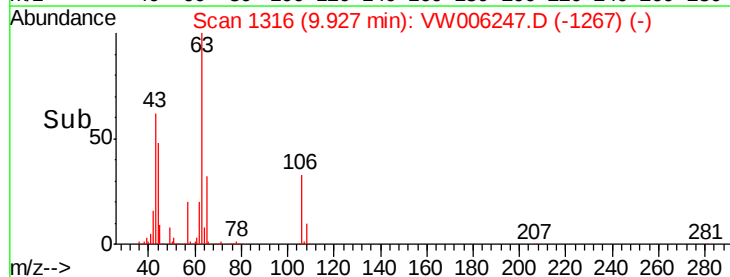
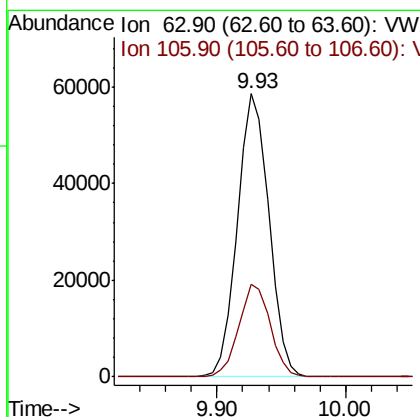
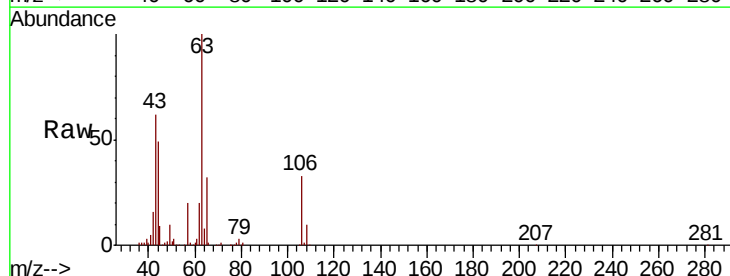
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD01

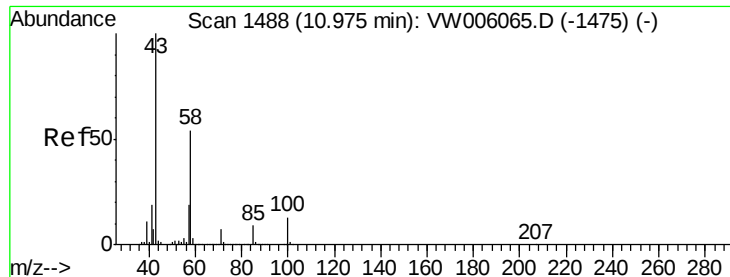
Tot Ion: 76 Resp: 74580
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.406 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

Tgt Ion: 63 Resp: 99157
 Ion Ratio Lower Upper
 63 100
 106 32.4 24.5 36.7

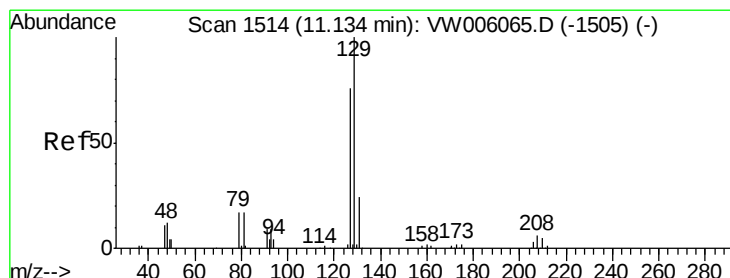
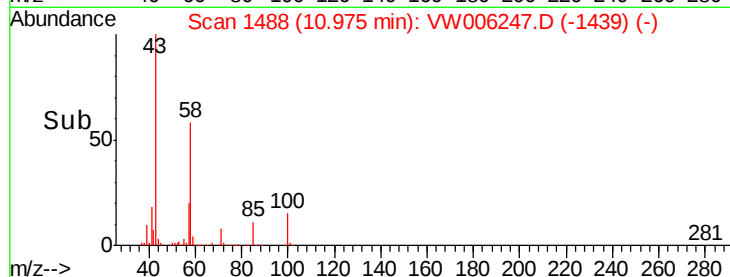
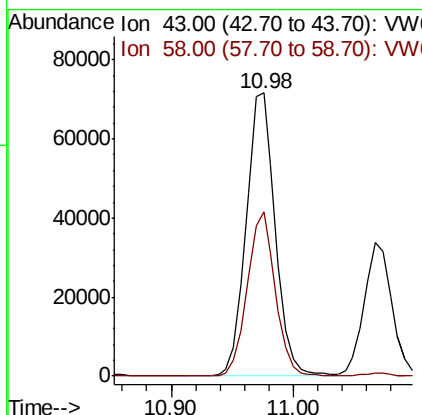
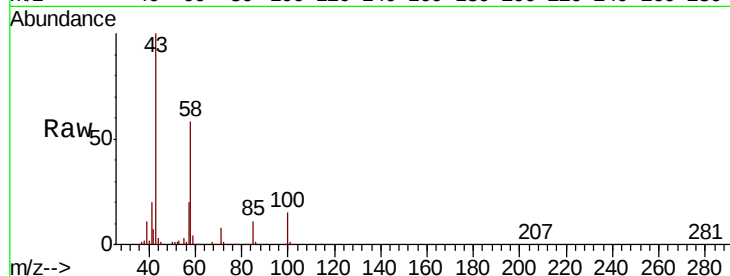




#59
2-Hexanone
Concen: 109.557 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

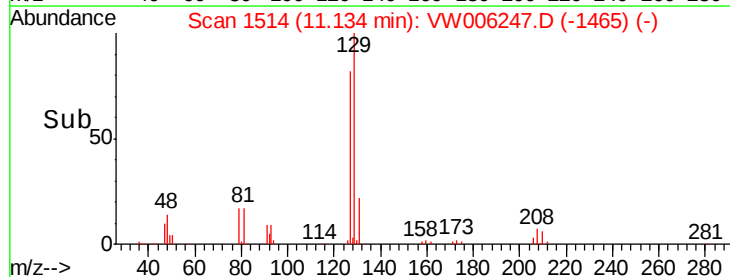
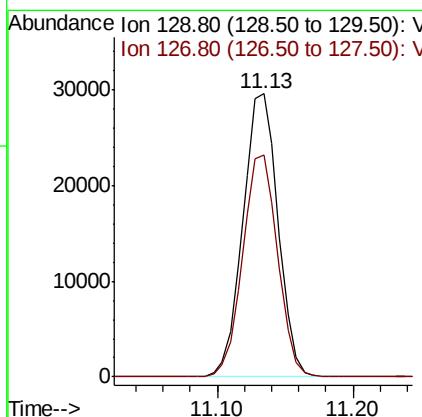
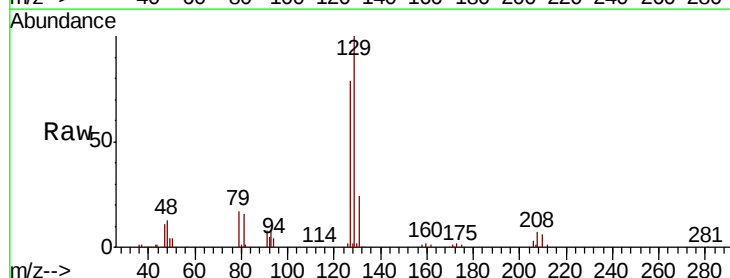
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

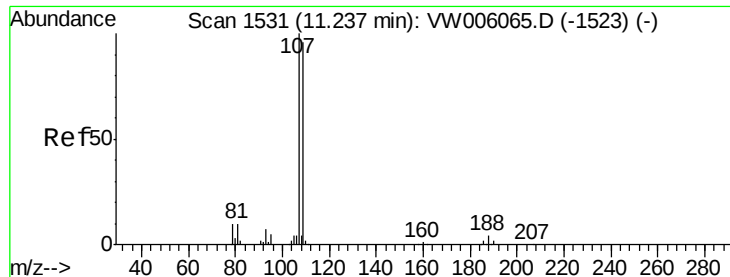
Tot Ion: 43 Resp: 118684
Ion Ratio Lower Upper
43 100
58 55.7 26.9 80.6



#60
Dibromochloromethane
Concen: 20.602 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 129 Resp: 53567
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.838 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

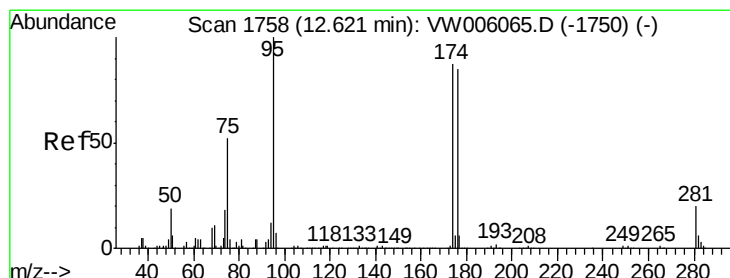
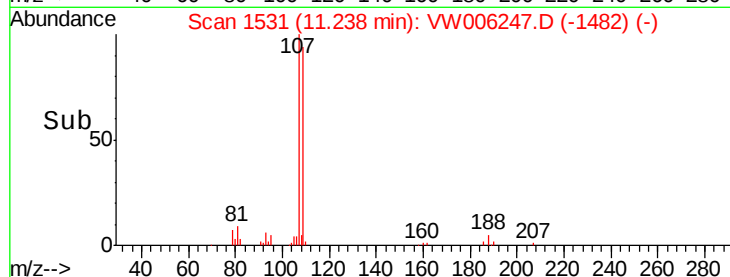
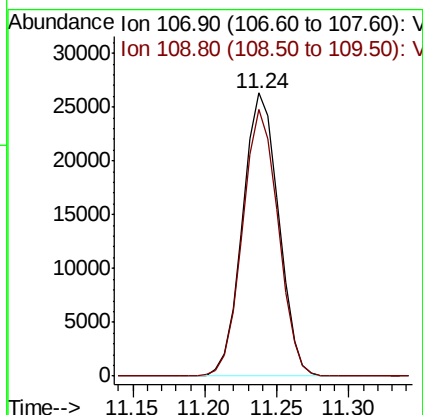
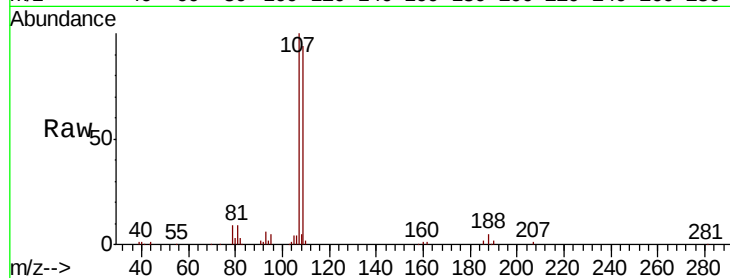
VW1022SBSD01

Tot Ion:107 Resp: 45547

Ion Ratio Lower Upper

107 100

109 93.3 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 48.000 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

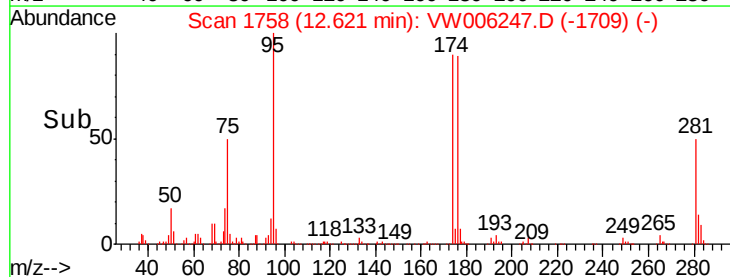
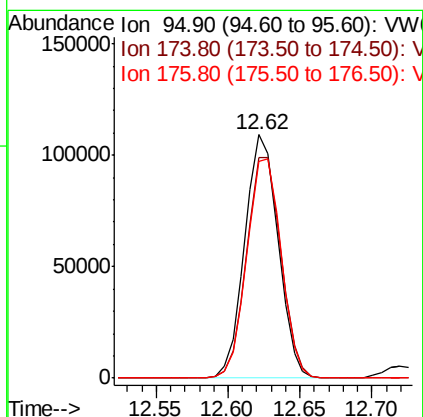
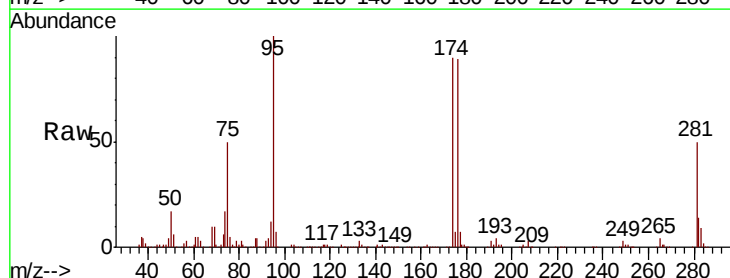
Tgt Ion: 95 Resp: 175319

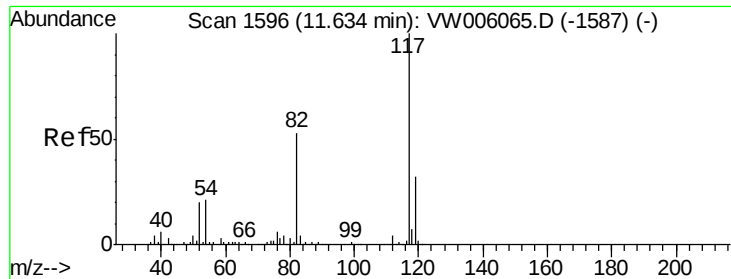
Ion Ratio Lower Upper

95 100

174 93.4 0.0 186.0

176 92.6 0.0 181.6

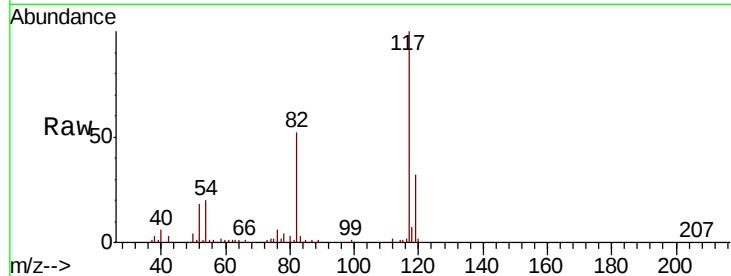




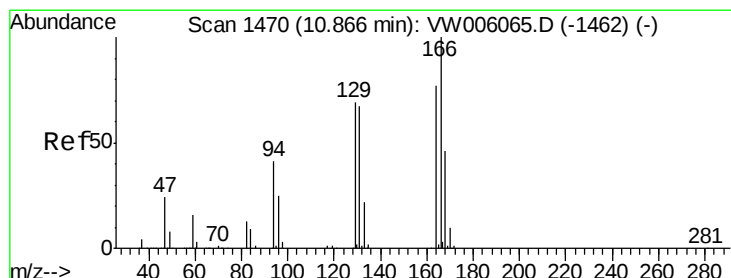
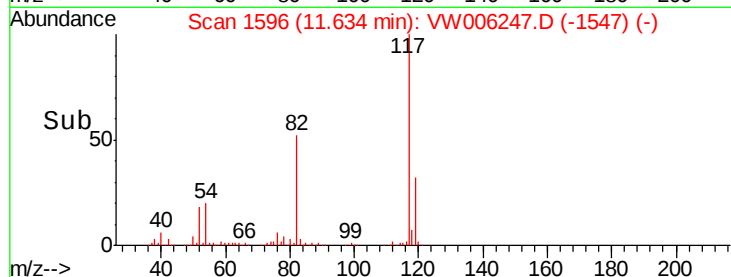
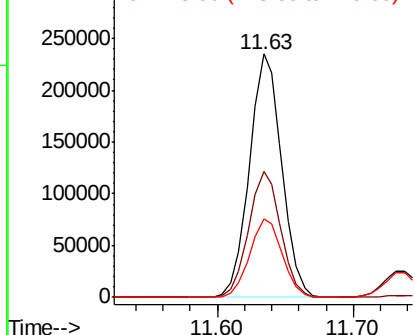
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

Tot Ion:117 Resp: 390362
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 32.0 25.8 38.6

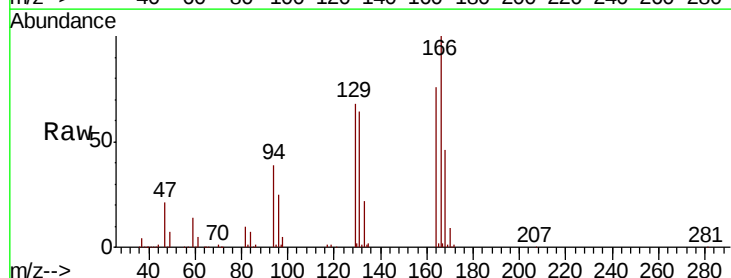


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

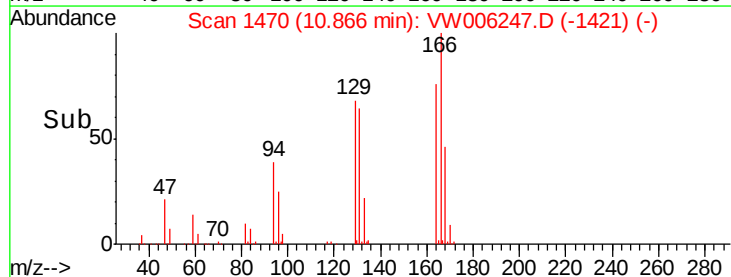
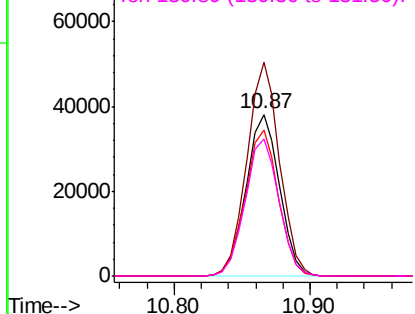


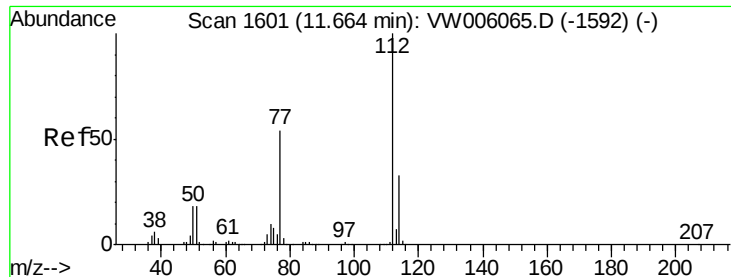
#64
Tetrachloroethene
Concen: 21.703 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion:164 Resp: 65770
Ion Ratio Lower Upper
164 100
166 132.3 103.4 155.0
129 90.5 71.8 107.8
131 84.8 69.5 104.3



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

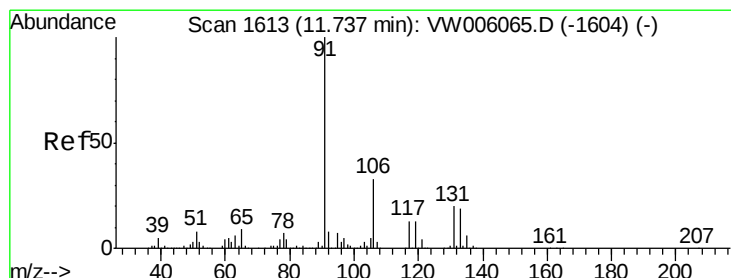
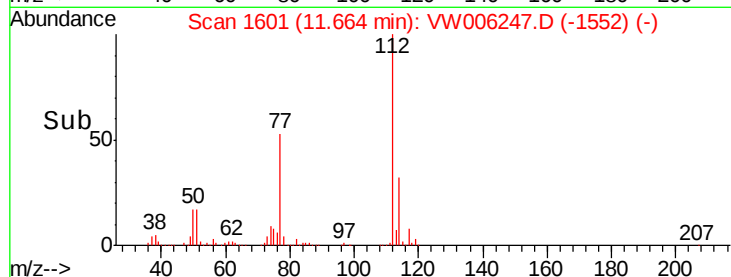
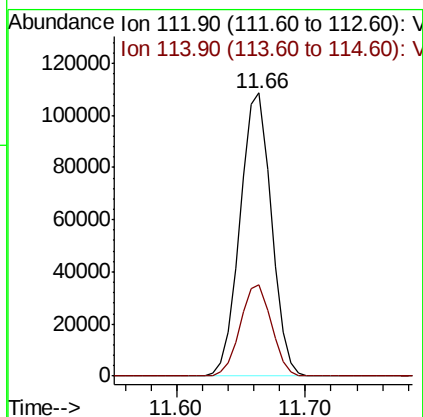
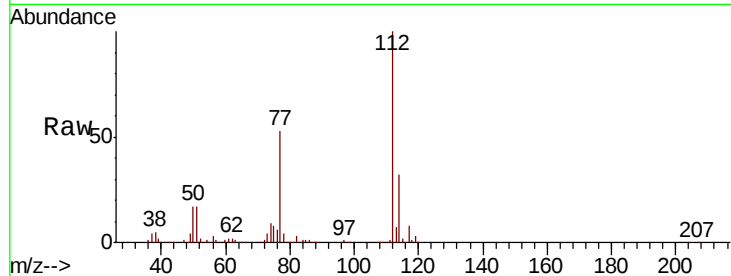




#65
Chlorobenzene
Concen: 21.866 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

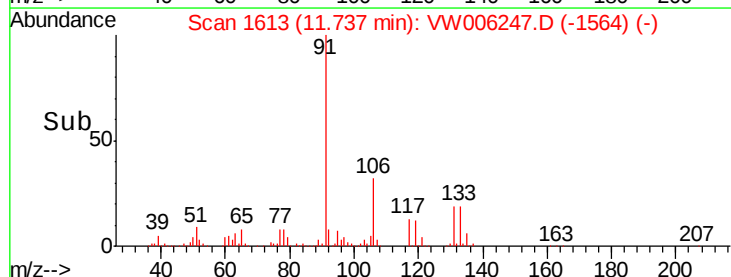
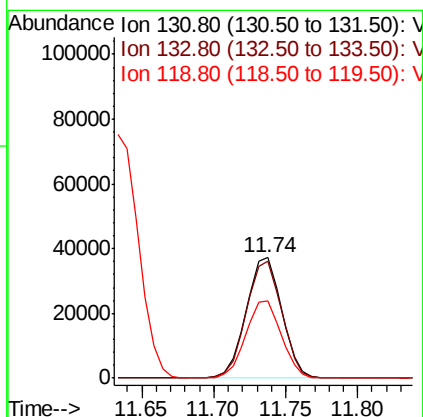
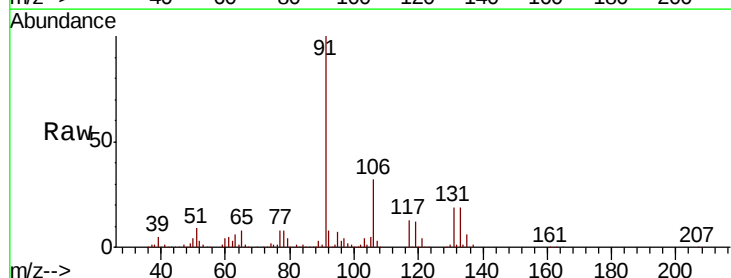
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

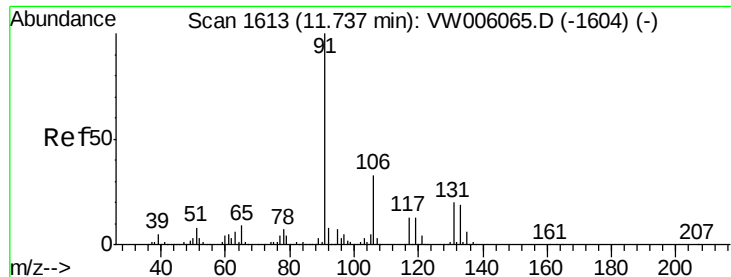
Tot Ion:112 Resp: 182721
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.374 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion:131 Resp: 63476
Ion Ratio Lower Upper
131 100
133 97.1 48.1 144.3
119 64.2 31.6 94.7

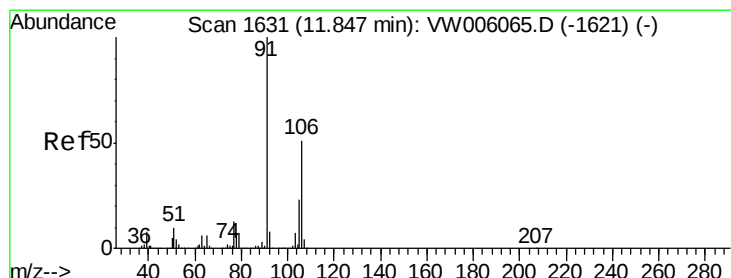
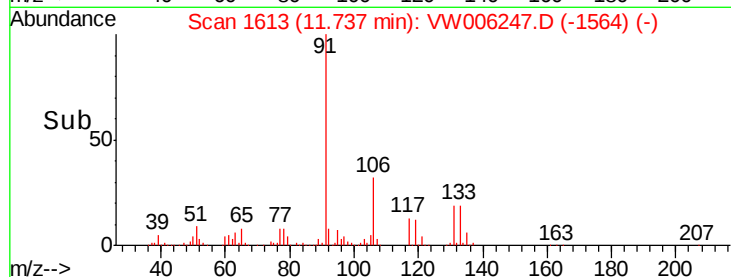
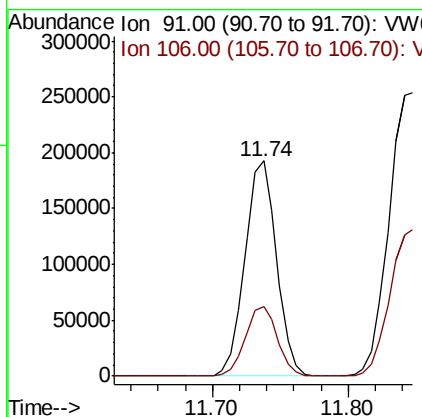
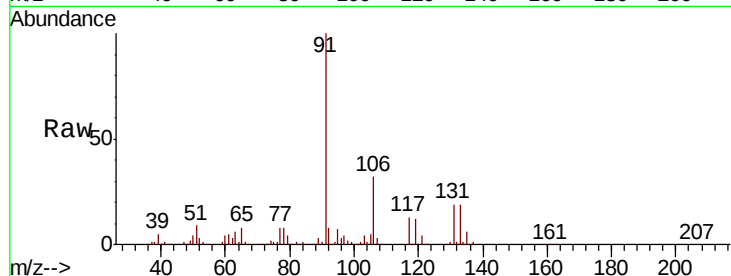




#67
Ethyl Benzene
Concen: 21.626 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

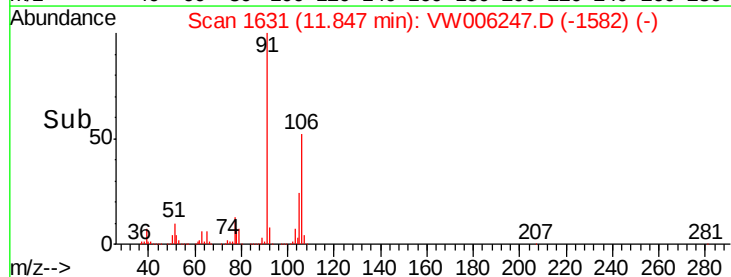
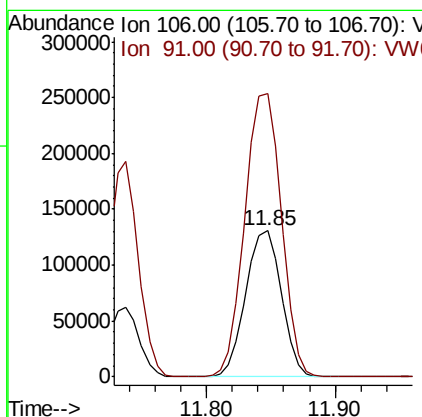
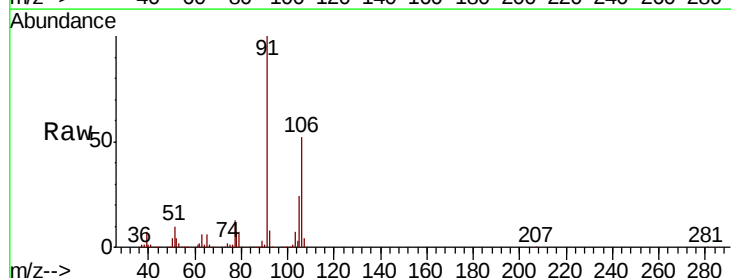
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

Tot Ion: 91 Resp: 313192
Ion Ratio Lower Upper
91 100
106 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 43.908 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 106 Resp: 251334
Ion Ratio Lower Upper
106 100
91 198.1 159.1 238.7

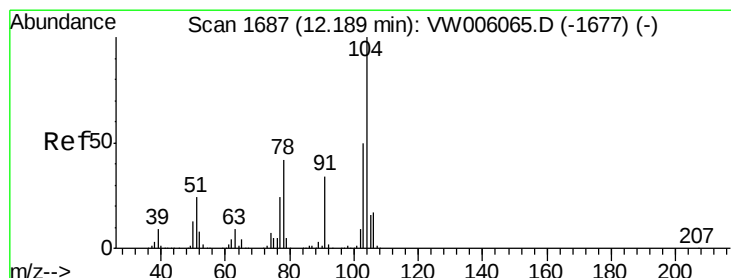
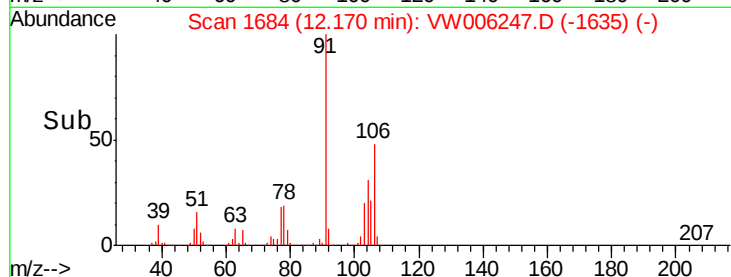
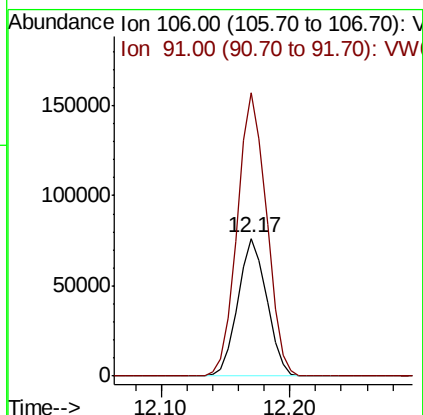
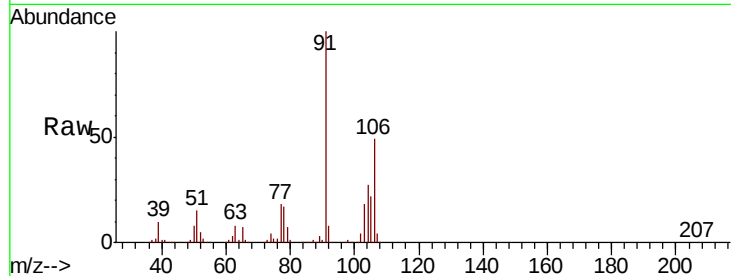




#69
o-Xylene
Concen: 21.737 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

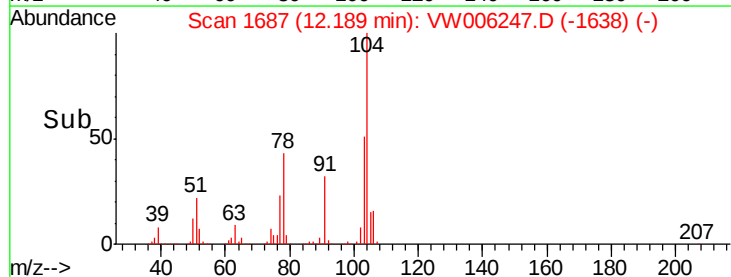
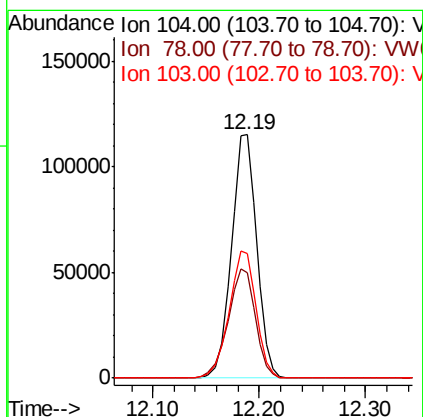
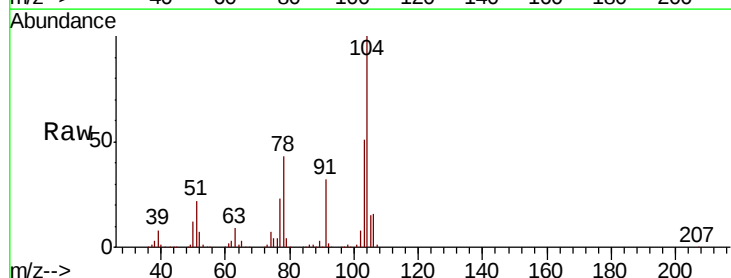
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

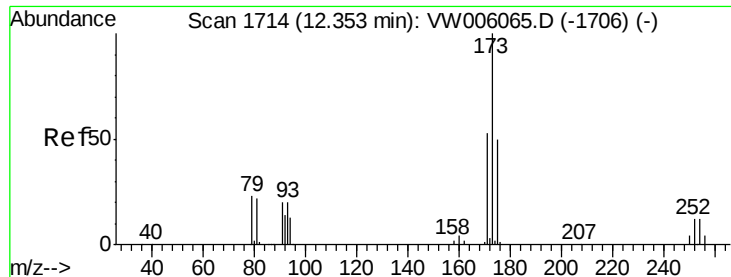
Tot Ion:106 Resp: 118582
Ion Ratio Lower Upper
106 100
91 208.3 105.4 316.1



#70
Styrene
Concen: 21.611 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion:104 Resp: 191713
Ion Ratio Lower Upper
104 100
78 48.5 39.1 58.7
103 55.5 44.3 66.5





#71

Bromoform

Concen: 20.295 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

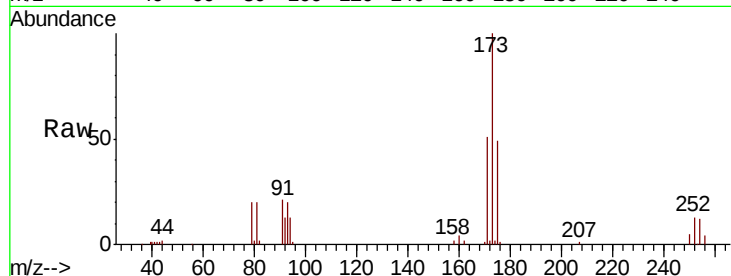
Tot Ion:173 Resp: 33618

Ion Ratio Lower Upper

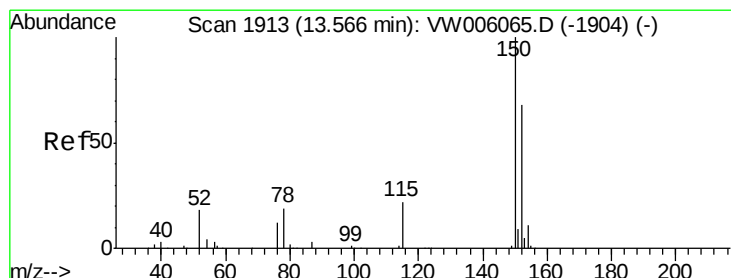
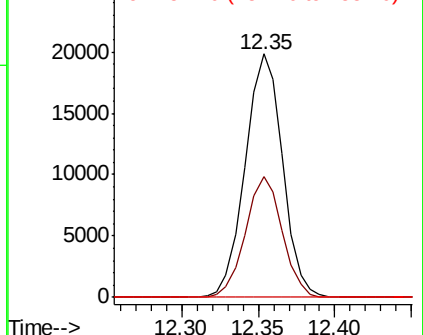
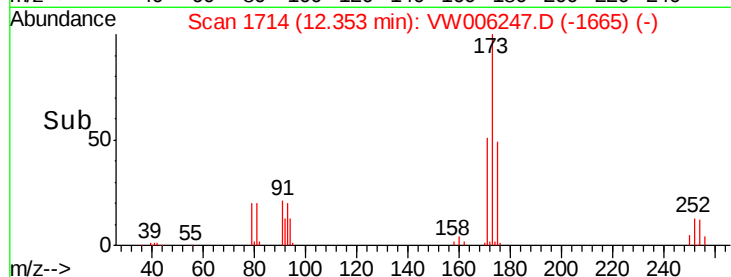
173 100

175 48.6 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: VW006247.D

Acq: 22 Oct 2018 13:26

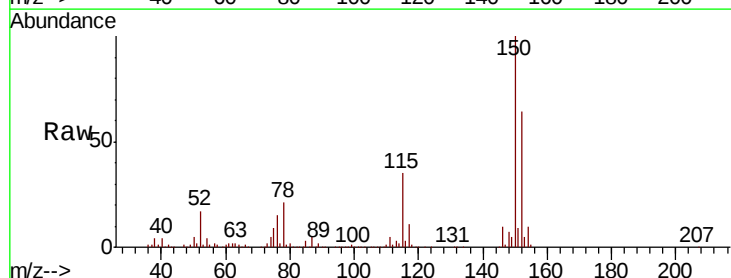
Tgt Ion:152 Resp: 220349

Ion Ratio Lower Upper

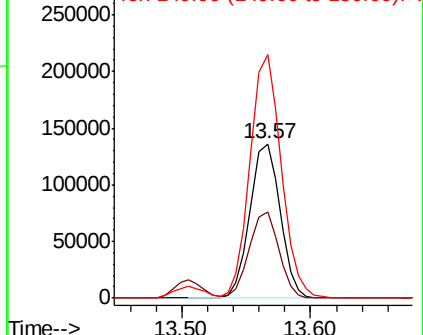
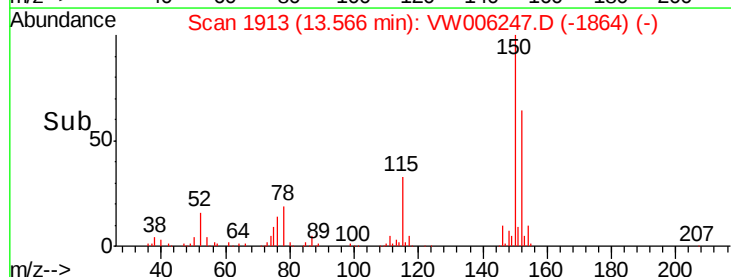
152 100

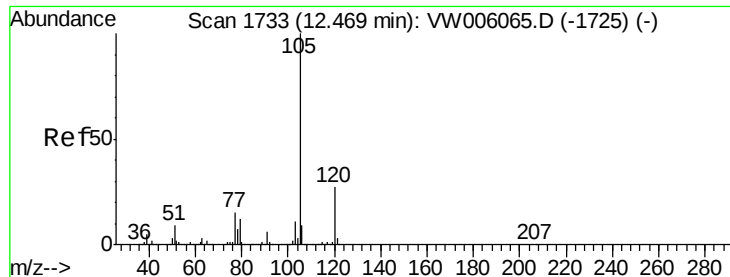
115 55.0 27.8 83.3

150 162.7 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.559 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

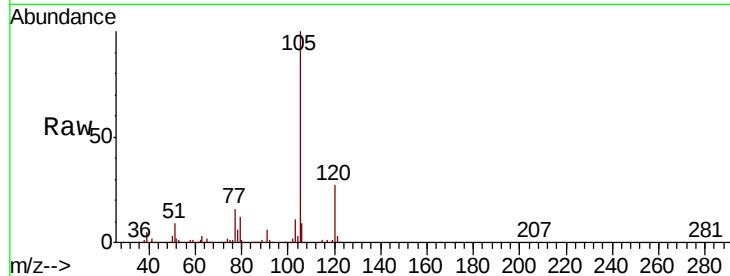
VW1022SBSD01

Tot Ion:105 Resp: 335615

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

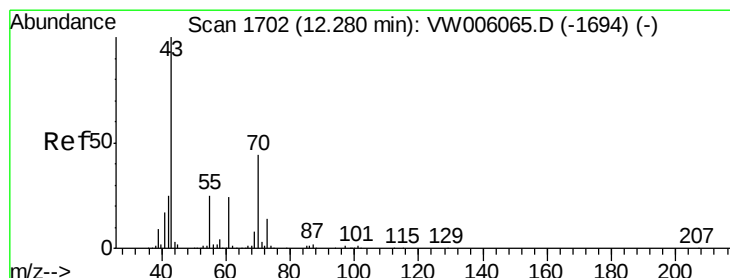
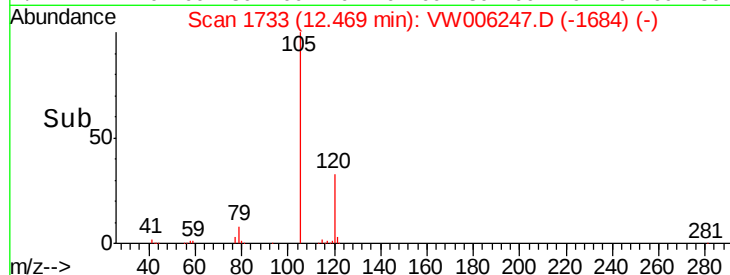
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 19.680 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Tgt Ion: 43 Resp: 59503

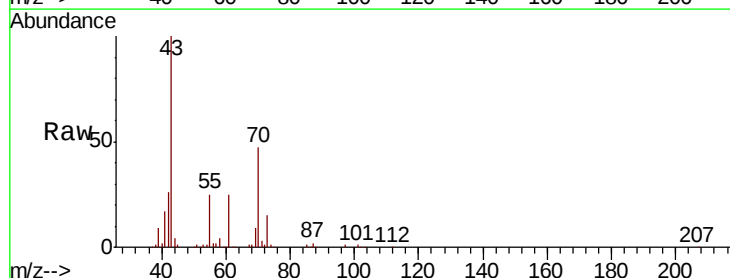
Ion Ratio Lower Upper

43 100

70 45.0 34.2 51.4

55 25.4 19.2 28.8

61 24.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

20000

10000

0

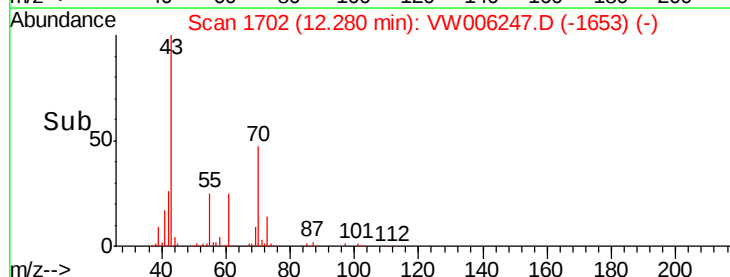
12.28

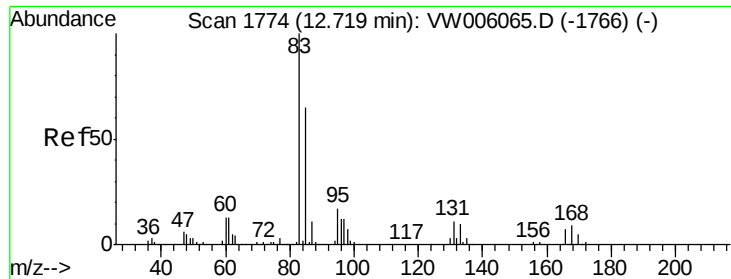
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.665 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD01

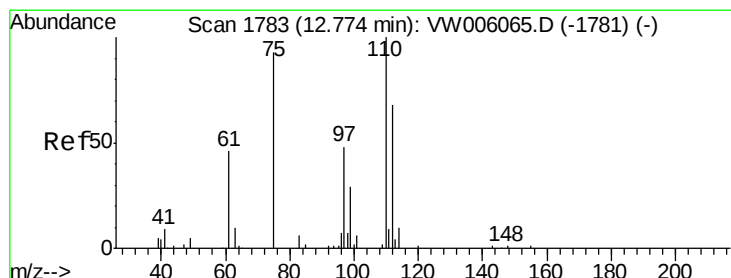
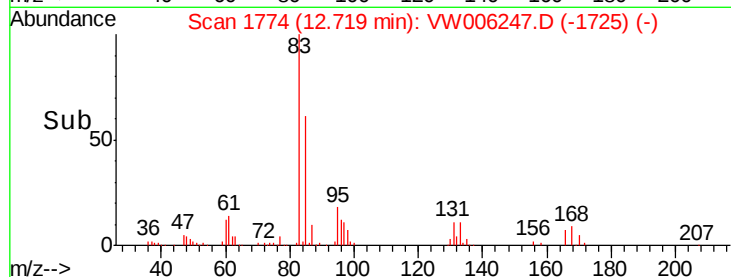
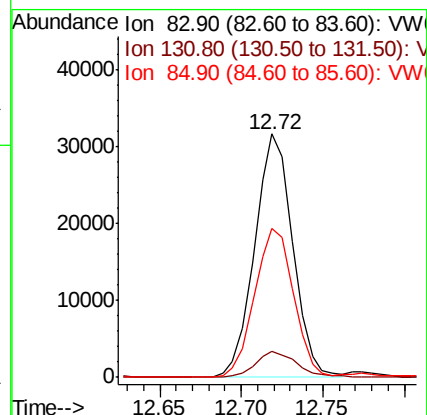
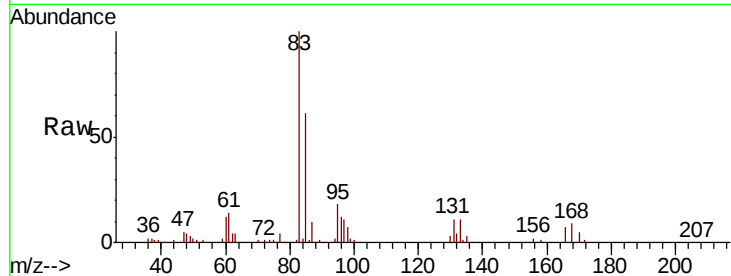
Tot Ion: 83 Resp: 51296

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

85 62.6 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 39.264 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006247.D

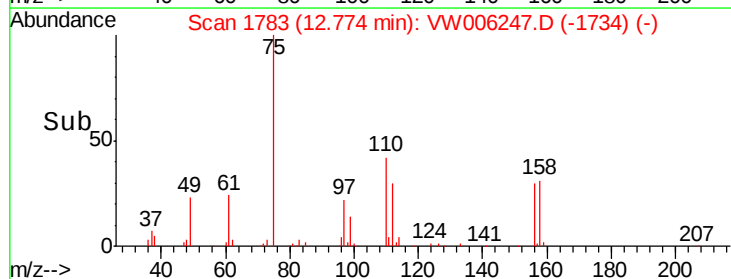
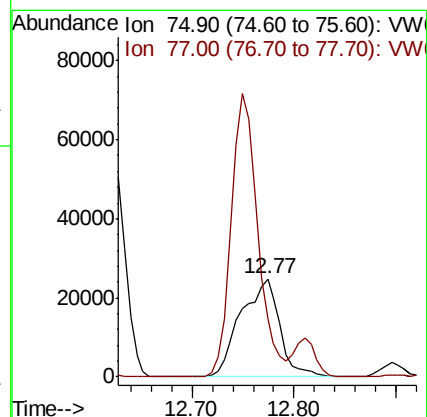
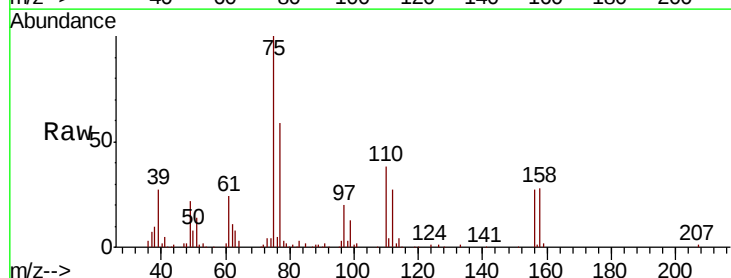
Acq: 22 Oct 2018 13:26

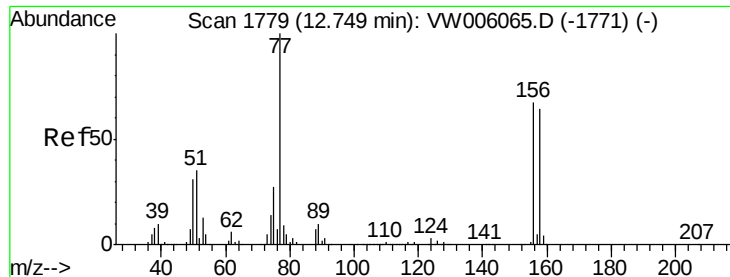
Tgt Ion: 75 Resp: 66083

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

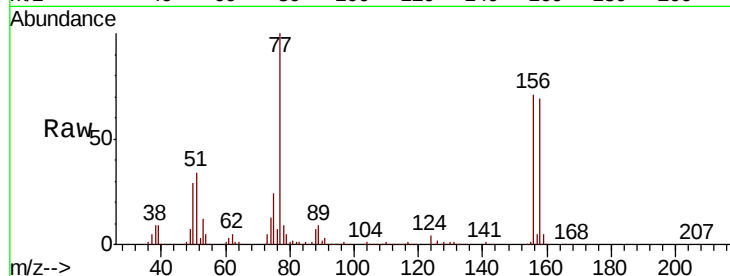




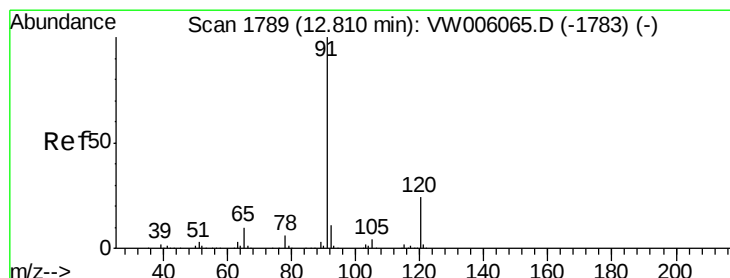
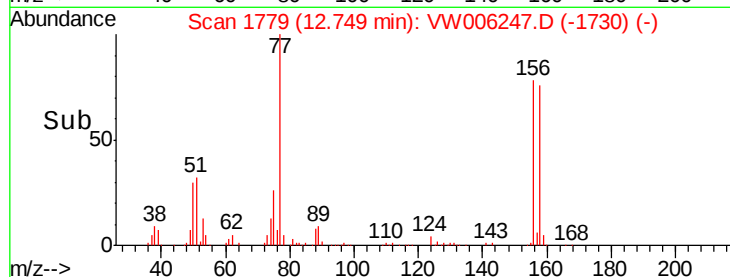
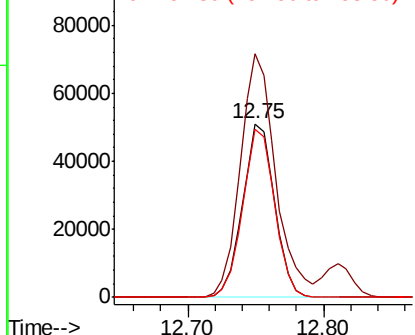
#77
Bromobenzene
Concen: 22.002 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

Tot Ion:156 Resp: 83890
Ion Ratio Lower Upper
156 100
77 154.4 79.1 237.4
158 96.8 48.5 145.6

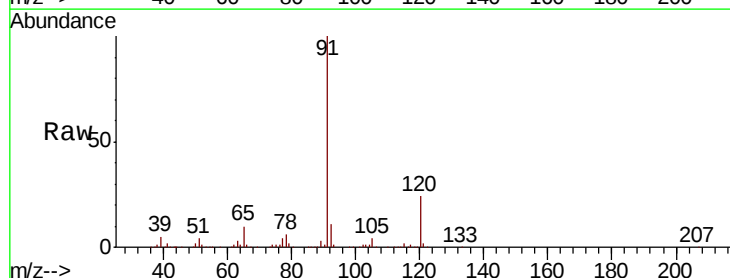


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

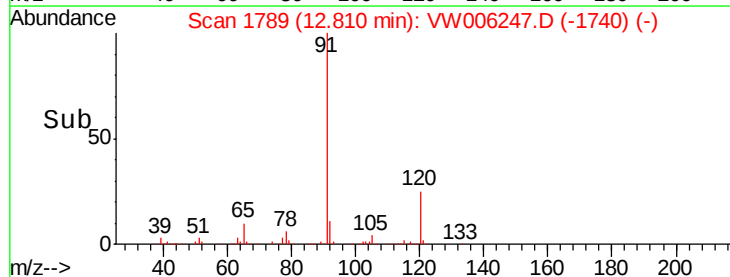
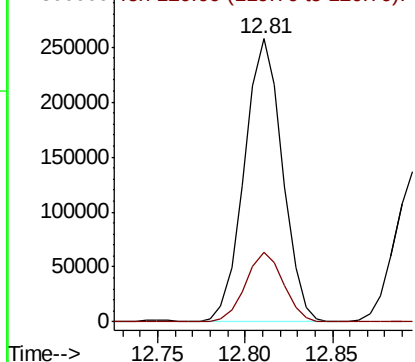


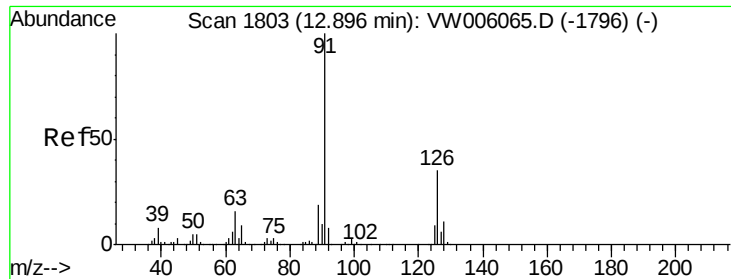
#78
n-propylbenzene
Concen: 21.520 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 91 Resp: 389749
Ion Ratio Lower Upper
91 100
120 24.4 12.2 36.6



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

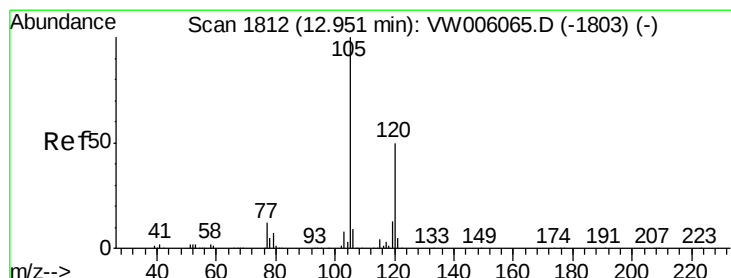
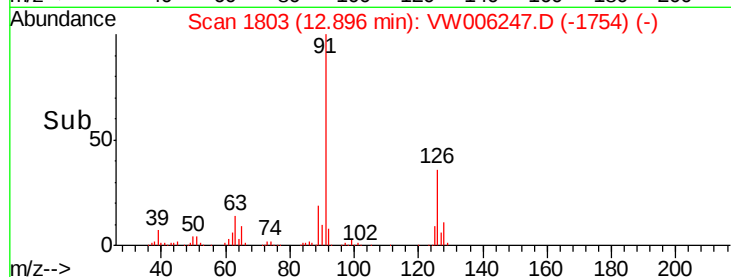
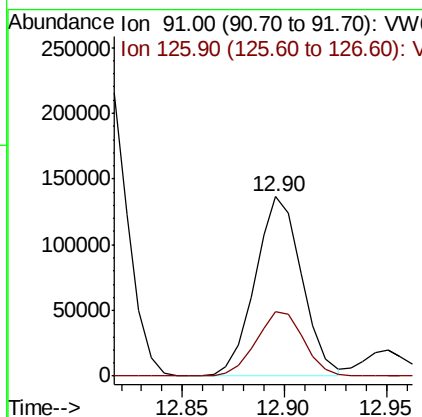
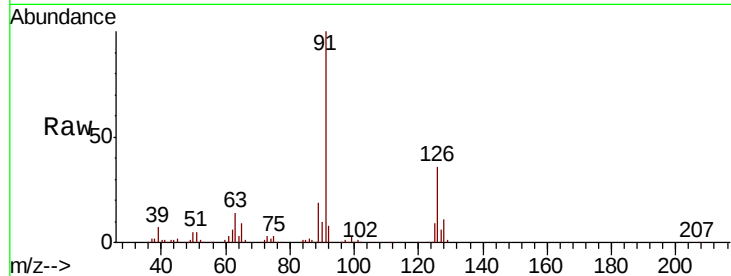




#79
 2-Chlorotoluene
 Concen: 21.420 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

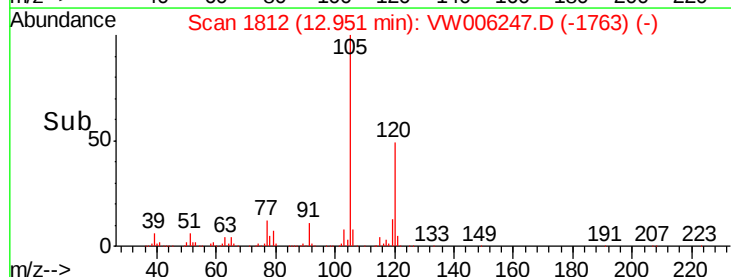
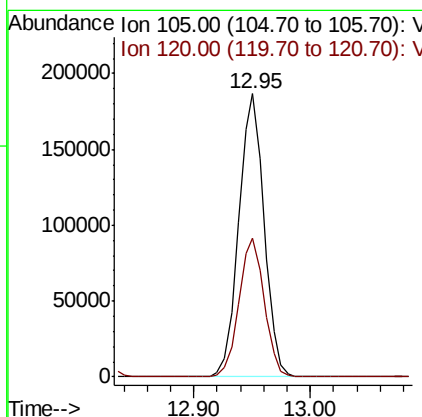
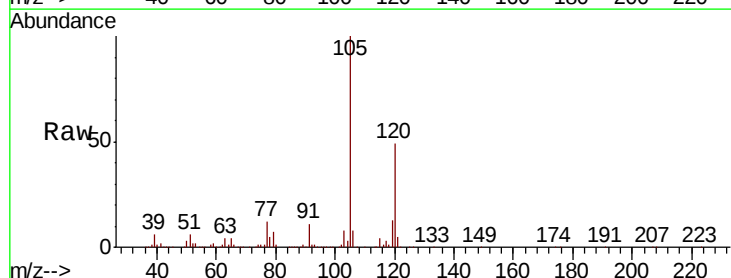
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD01

Tot Ion: 91 Resp: 217969
 Ion Ratio Lower Upper
 91 100
 126 36.6 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 21.510 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

Tgt Ion: 105 Resp: 282288
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.9 74.6

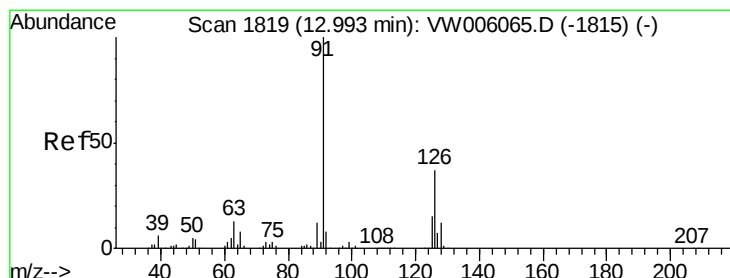
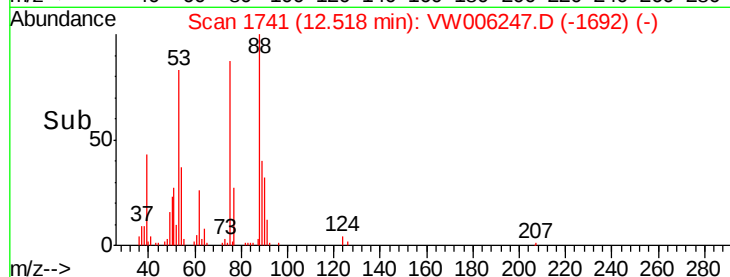
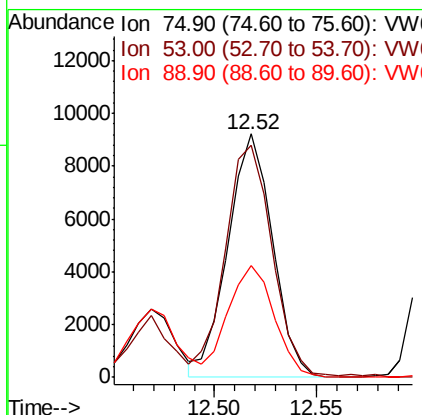
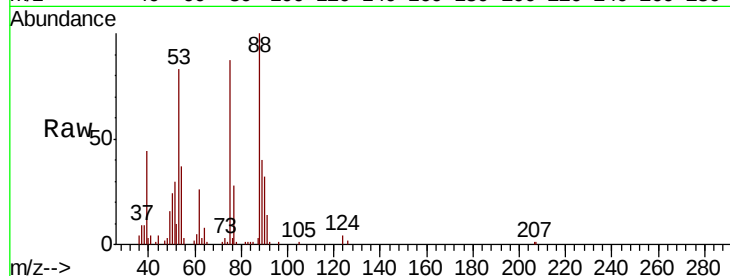




#81
trans-1,4-Dichloro-2-butene
Concen: 19.877 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

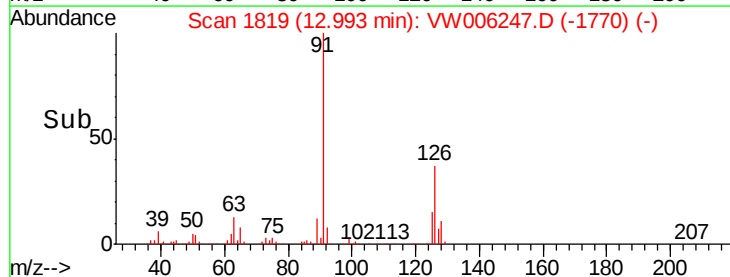
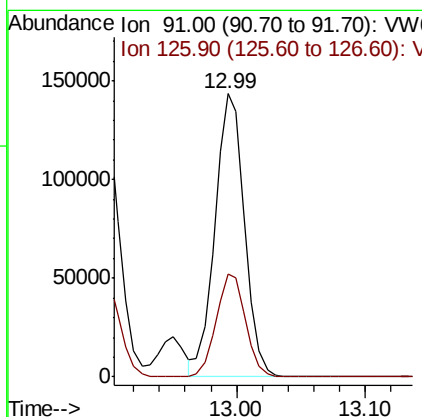
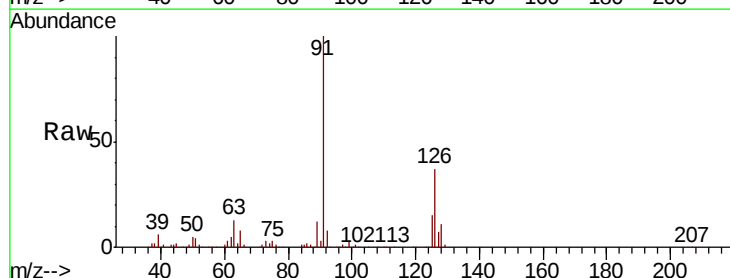
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

Tot Ion: 75 Resp: 13995
Ion Ratio Lower Upper
75 100
53 99.6 79.8 119.6
89 47.4 37.5 56.3



#82
4-Chlorotoluene
Concen: 21.627 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion: 91 Resp: 230528
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.3

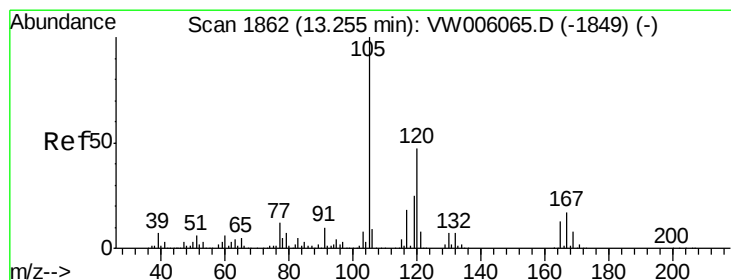
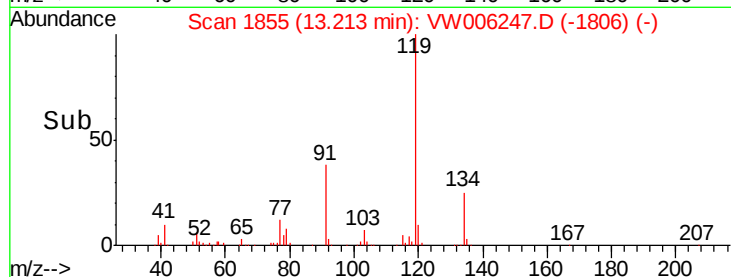
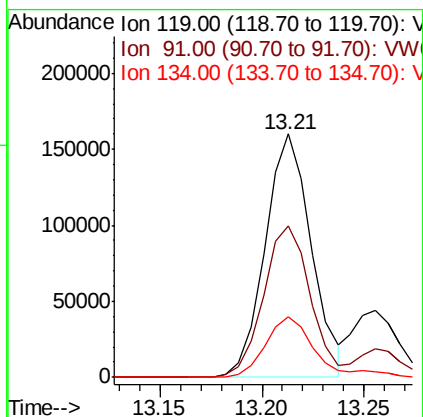
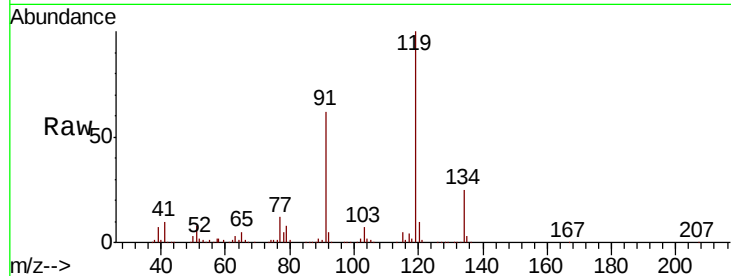




#83
tert-Butylbenzene
Concen: 21.518 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

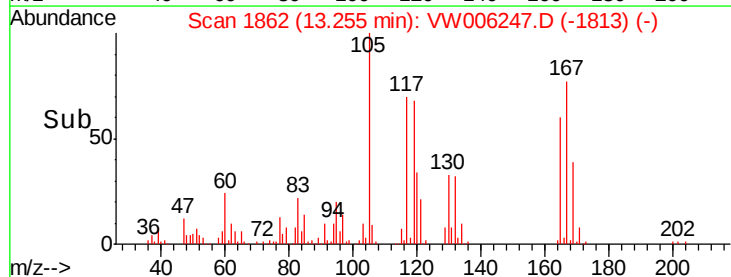
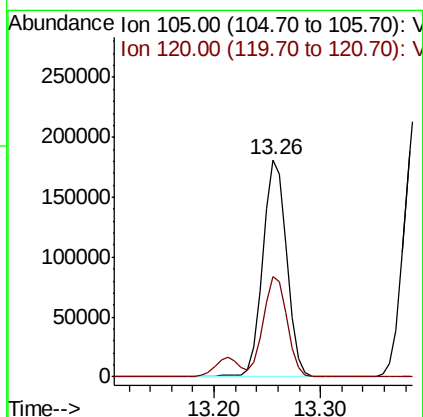
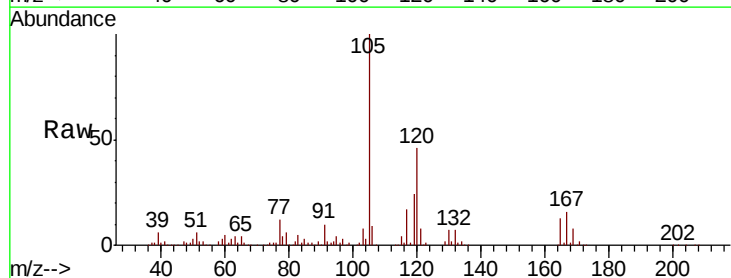
Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

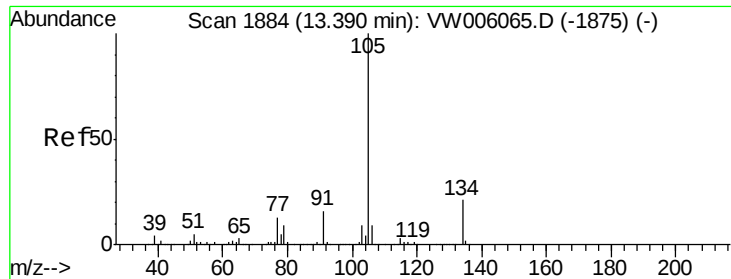
Tot Ion:119 Resp: 252650
Ion Ratio Lower Upper
119 100
91 62.7 32.3 96.9
134 27.0 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 21.545 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion:105 Resp: 286110
Ion Ratio Lower Upper
105 100
120 45.8 23.1 69.3





#85

sec-Butylbenzene

Concen: 21.533 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

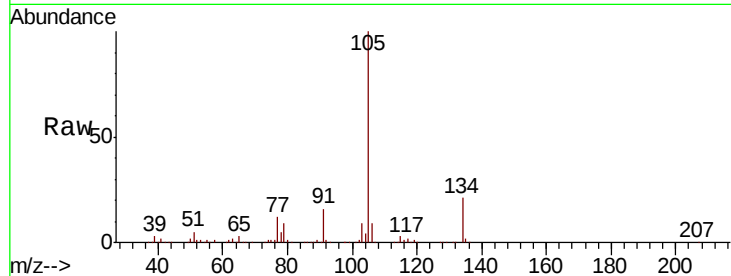
VW1022SBSD01

Tot Ion:105 Resp: 357174

Ion Ratio Lower Upper

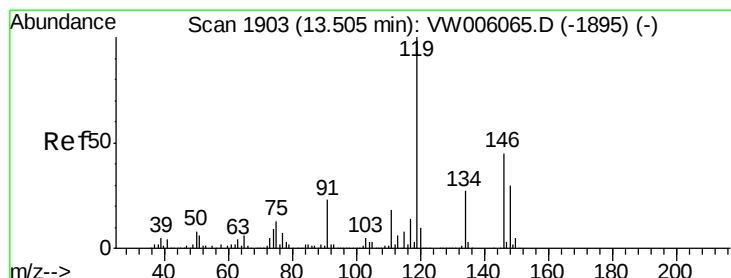
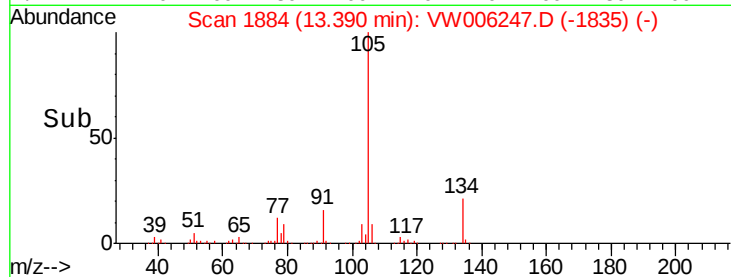
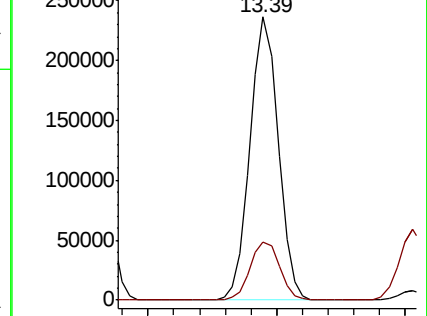
105 100

134 21.5 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.705 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

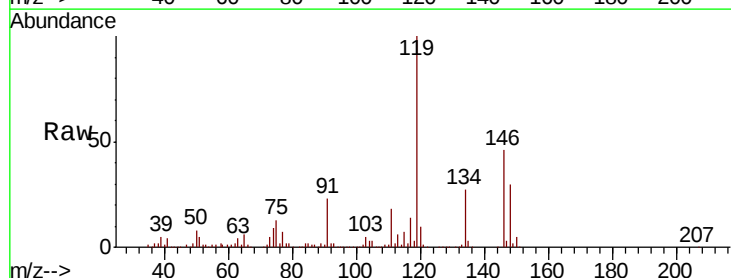
Tgt Ion:119 Resp: 325652

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

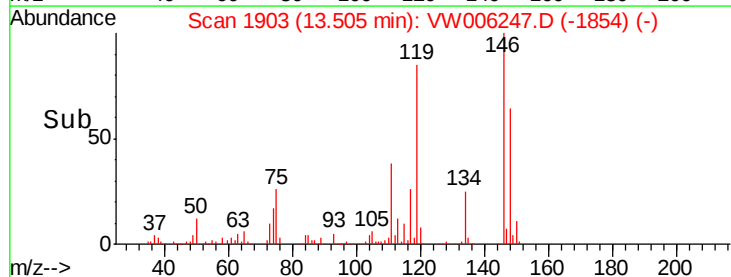
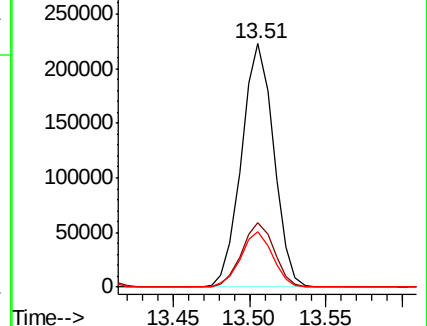
91 22.6 11.4 34.1

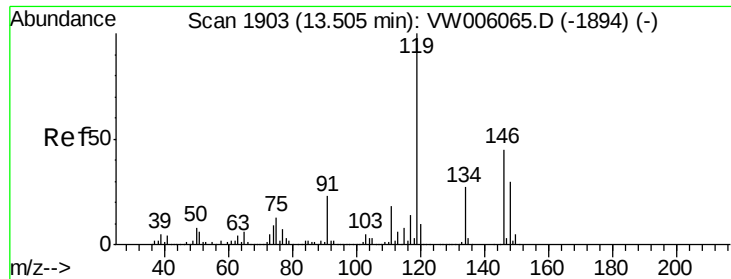


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

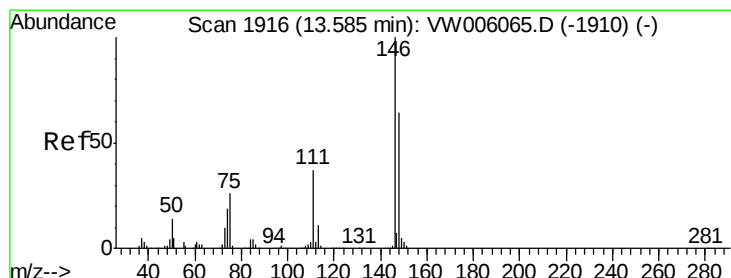
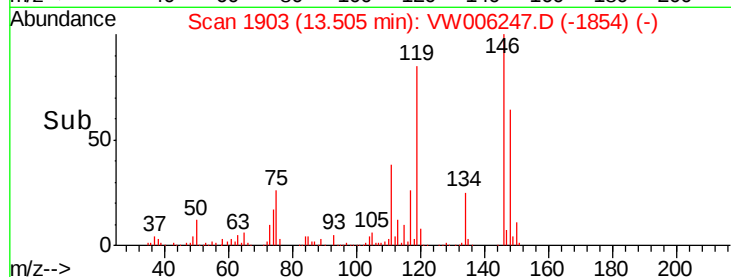
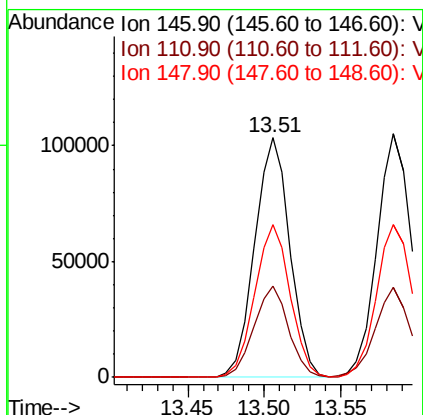
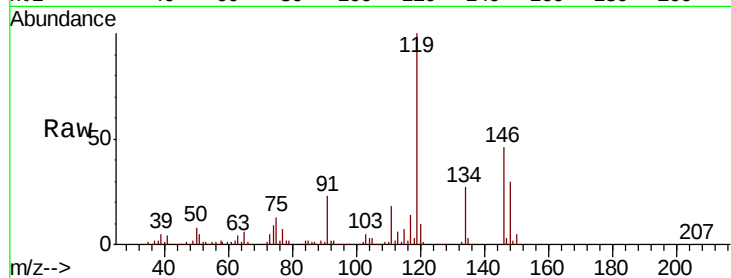




#87
 1,3-Dichlorobenzene
 Concen: 21.788 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

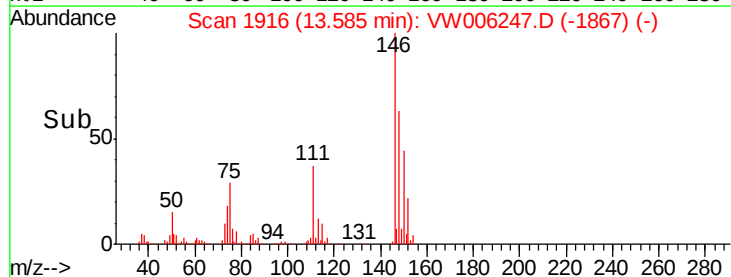
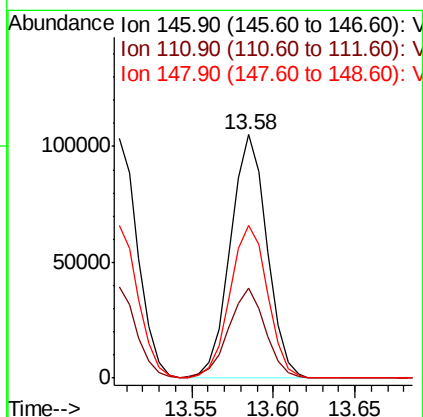
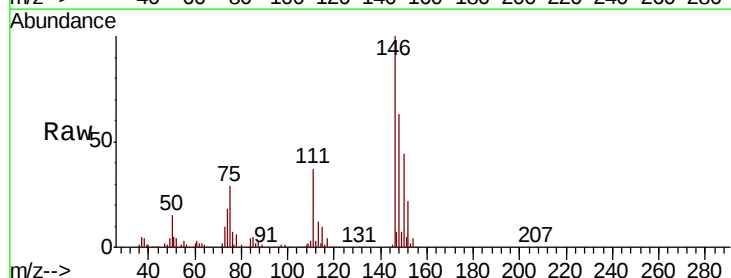
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD01

Tot Ion:146 Resp: 165335
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.690 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

Tgt Ion:146 Resp: 163877
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 56.0
 148 64.5 32.1 96.5





#89

n-Butylbenzene

Concen: 21.464 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBS01

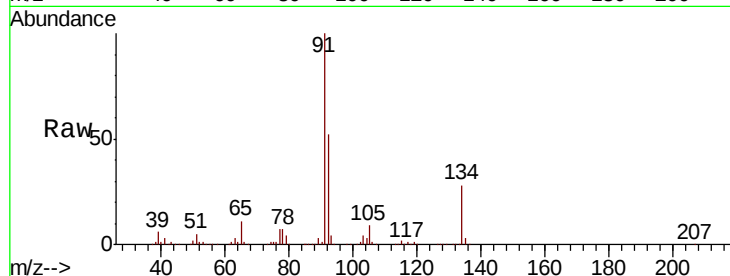
Tot Ion: 91 Resp: 294515

Ion Ratio Lower Upper

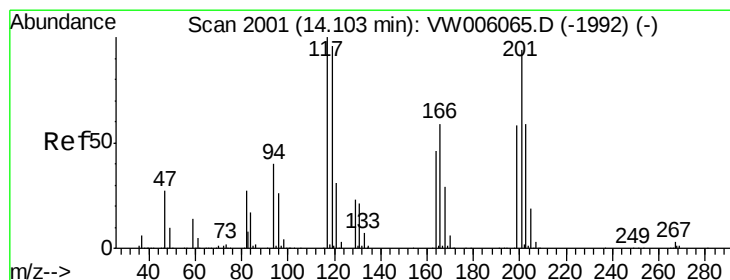
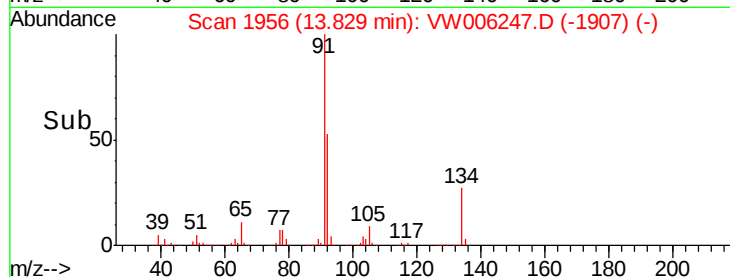
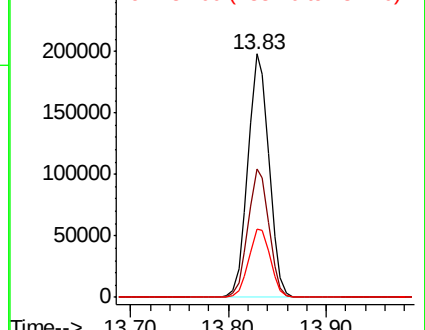
91 100

92 52.6 26.6 79.7

134 28.7 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: 20.429 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006247.D

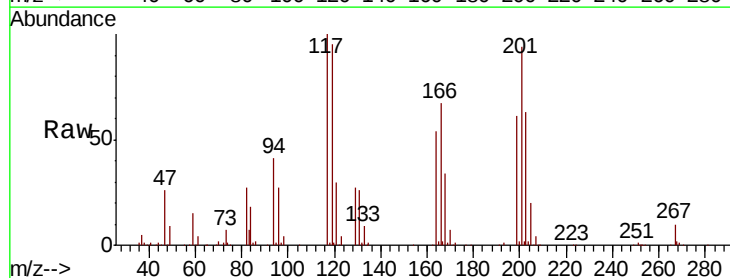
Acq: 22 Oct 2018 13:26

Tgt Ion: 117 Resp: 51917

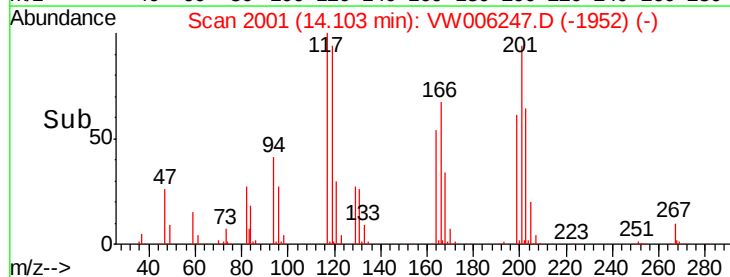
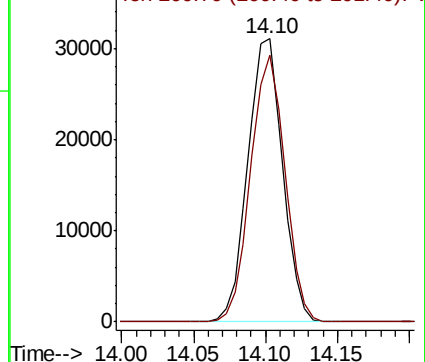
Ion Ratio Lower Upper

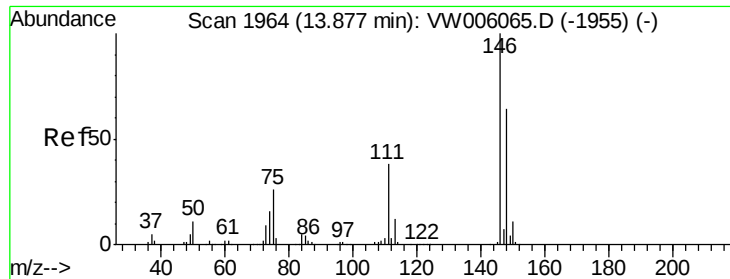
117 100

201 92.9 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: 21.768 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1022SBSD01

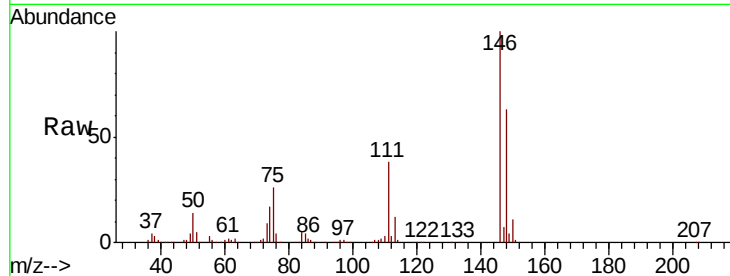
Tot Ion:146 Resp: 147340

Ion Ratio Lower Upper

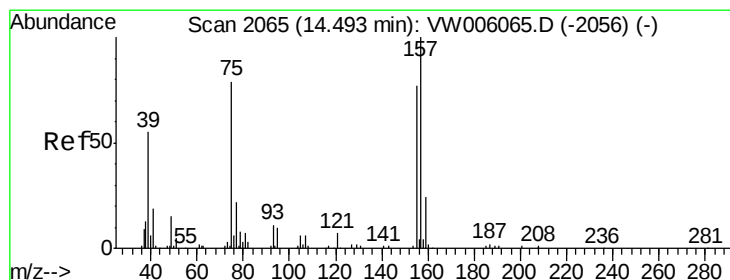
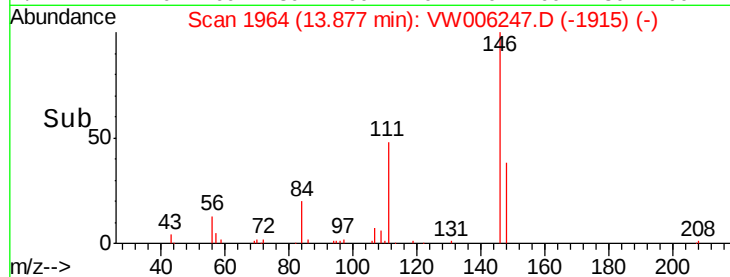
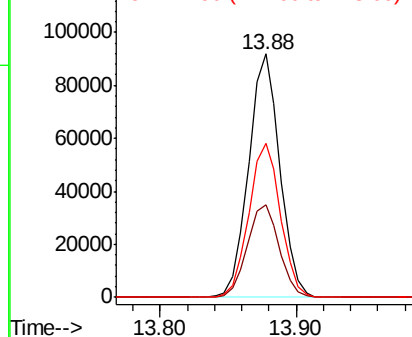
146 100

111 39.0 19.6 58.7

148 64.1 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.686 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006247.D

Acq: 22 Oct 2018 13:26

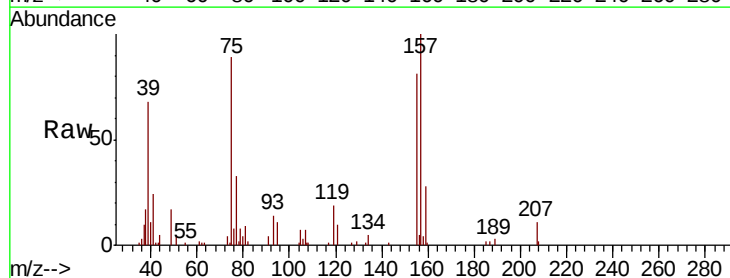
Tgt Ion: 75 Resp: 8345

Ion Ratio Lower Upper

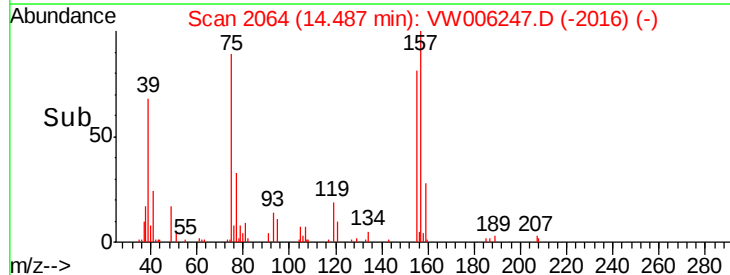
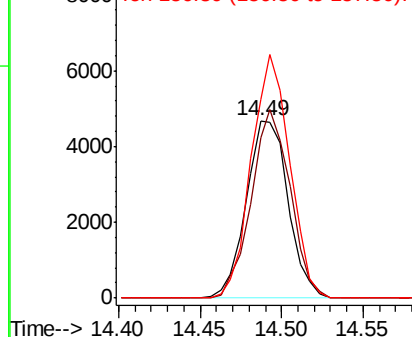
75 100

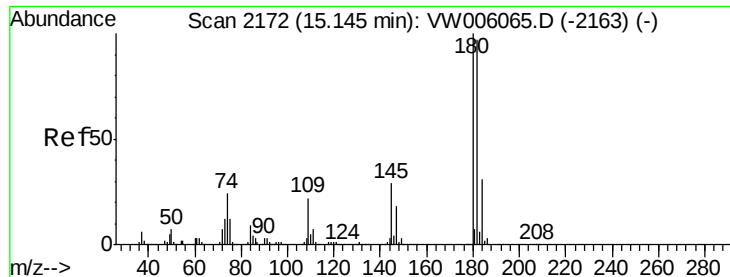
155 99.0 46.5 139.5

157 126.0 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

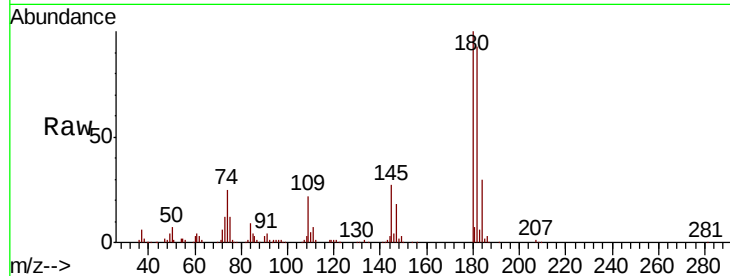




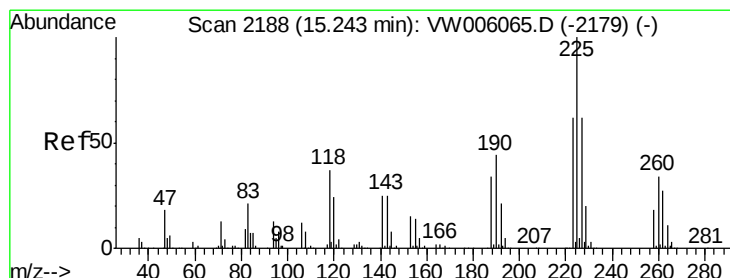
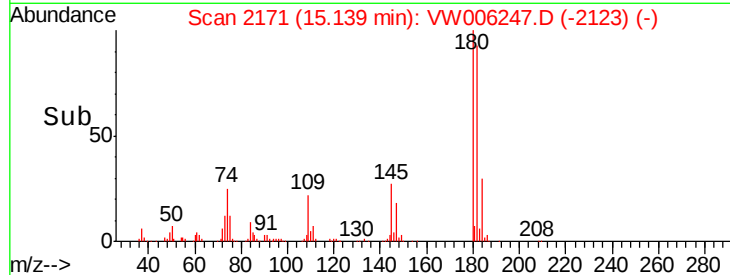
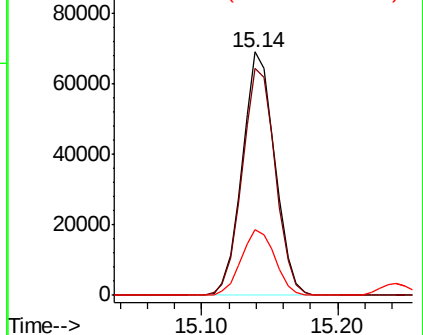
#93
 1,2,4-Trichlorobenzene
 Concen: 22.175 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1022SBSD01

Tot Ion:180 Resp: 115491
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.9 143.6
 145 27.9 14.2 42.8

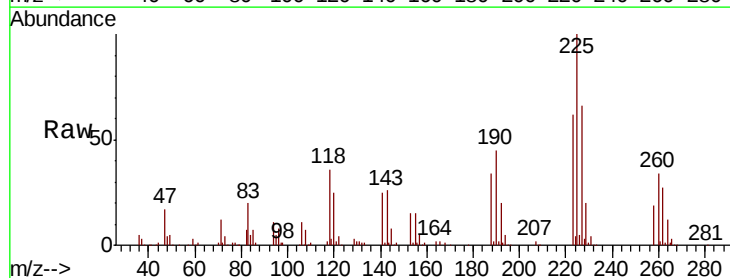


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

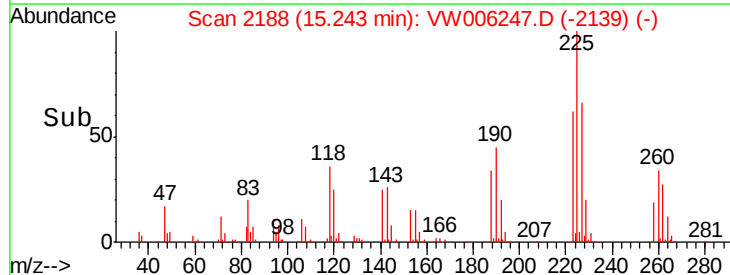
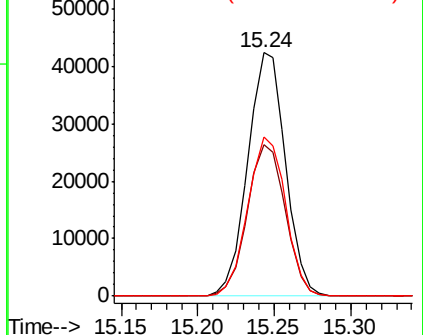


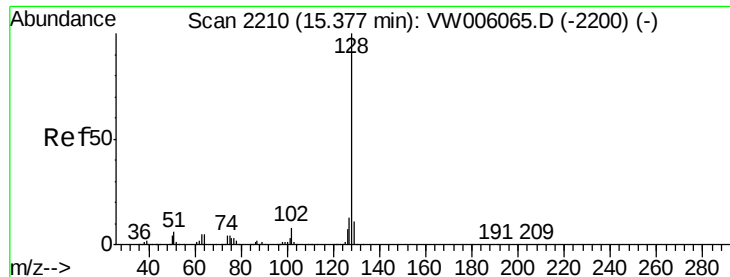
#94
 Hexachlorobutadiene
 Concen: 22.214 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006247.D
 Acq: 22 Oct 2018 13:26

Tgt Ion:225 Resp: 72676
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.5
 227 65.6 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

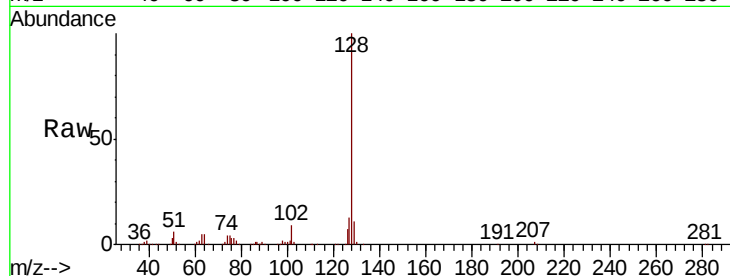




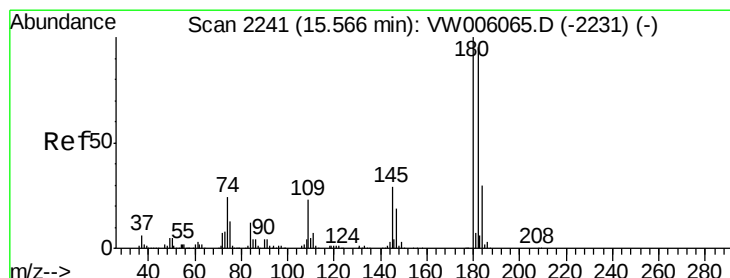
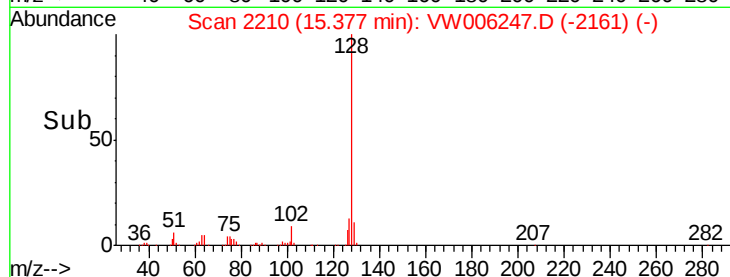
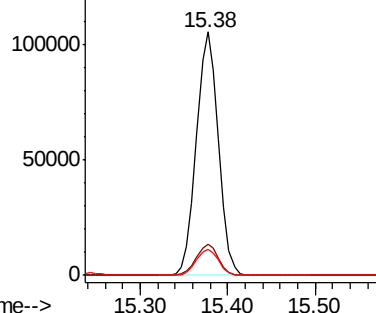
#95
Naphthalene
Concen: 21.188 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1022SBSD01

Tot Ion:128 Resp: 183571
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.7 13.1

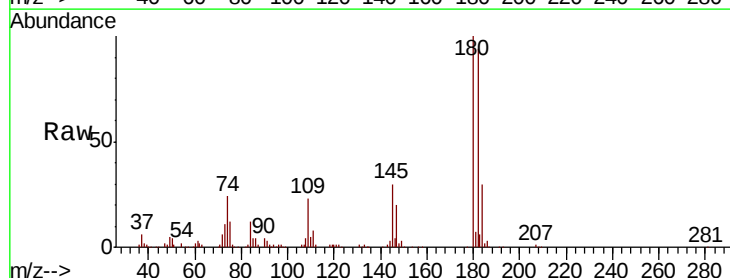


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.265 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006247.D
Acq: 22 Oct 2018 13:26

Tgt Ion:180 Resp: 100299
Ion Ratio Lower Upper
180 100
182 94.1 47.8 143.3
145 30.1 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

