

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121818\
 Data File : VW007601.D
 Acq On : 16 Dec 2018 01:13
 Operator : SY/AP
 Sample : VW1215SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

Quant Time: Dec 16 02:36:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	120790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40216	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	7.88	113	35664	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.32	98	137016	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.62	95	52013	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10194	20.590	ug/l	99
3) Chloromethane	2.21	50	8526	20.562	ug/l	88
4) Vinyl Chloride	2.36	62	10039	20.631	ug/l	98
5) Bromomethane	2.78	94	7068	21.619	ug/l	99
6) Chloroethane	2.93	64	5359	20.007	ug/l	97
7) Trichlorofluoromethane	3.26	101	8933	20.420	ug/l	98
8) Diethyl Ether	3.68	74	7482	21.852	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15055	20.856	ug/l	96
10) Methyl Iodide	4.27	142	25725	21.518	ug/l	96
11) Tert butyl alcohol	5.17	59	6163	114.168	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	14844	21.358	ug/l	92
13) Acrolein	3.89	56	3131	87.656	ug/l	99
14) Allyl chloride	4.67	41	20906	20.407	ug/l	97
15) Acrylonitrile	5.37	53	15597	108.057	ug/l	99
16) Acetone	4.12	43	13931	101.470	ug/l	99
17) Carbon Disulfide	4.38	76	43628	20.703	ug/l	100
18) Methyl Acetate	4.67	43	9107	24.440	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	23276	22.200	ug/l	96
20) Methylene Chloride	4.91	84	17828	21.514	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	17010	21.879	ug/l	95
22) Diisopropyl ether	6.31	45	41181	20.913	ug/l	92
23) Vinyl Acetate	6.25	43	114549	104.003	ug/l	98
24) 1,1-Dichloroethane	6.21	63	28220	21.204	ug/l	98
25) 2-Butanone	7.17	43	19085	106.481	ug/l	97
26) 2,2-Dichloropropane	7.16	77	18802	21.347	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	18706	21.974	ug/l	98
28) Bromochloromethane	7.51	49	10346	20.667	ug/l	97
29) Tetrahydrofuran	7.53	42	12221	107.705	ug/l	94
30) Chloroform	7.67	83	31440	21.708	ug/l	99
31) Cyclohexane	7.95	56	24131	19.763	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	27205	21.420	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23728	21.534	ug/l	99
37) Ethyl Acetate	7.25	43	8961	21.865	ug/l #	79
38) Carbon Tetrachloride	8.06	117	26455	22.065	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	28466	21.334	ug/l	94
40) Benzene	8.32	78	66564	21.768	ug/l	97
41) Methacrylonitrile	7.48	41	5835	25.002	ug/l	92
42) 1,2-Dichloroethane	8.40	62	21721	22.612	ug/l	100
43) Isopropyl Acetate	8.43	43	17769	21.949	ug/l	97
44) Trichloroethene	9.09	130	18919	21.666	ug/l	96
45) 1,2-Dichloropropane	9.37	63	15434	21.810	ug/l	96
46) Dibromomethane	9.46	93	9245	23.006	ug/l	98
47) Bromodichloromethane	9.65	83	23577	22.367	ug/l	99
48) Methyl methacrylate	9.44	41	9072	21.820	ug/l	98
49) 1,4-Dioxane	9.45	88	3024	463.772	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	41596	108.745	ug/l	99
52) Toluene	10.39	92	44418	22.445	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	23120	22.593	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	25315	21.399	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12947	23.672	ug/l	96
56) Ethyl methacrylate	10.65	69	15096	22.964	ug/l	98
57) 1,3-Dichloropropane	10.93	76	21538	23.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	31661	104.439	ug/l	99
59) 2-Hexanone	10.97	43	29335	115.014	ug/l	97
60) Dibromochloromethane	11.13	129	15790	22.877	ug/l	95
61) 1,2-Dibromoethane	11.24	107	12747	23.584	ug/l	96
64) Tetrachloroethene	10.86	164	16896	21.672	ug/l	92
65) Chlorobenzene	11.66	112	50824	22.492	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17608	22.125	ug/l	97
67) Ethyl Benzene	11.73	91	87102	22.420	ug/l	91
68) m/p-Xylenes	11.84	106	68170	45.137	ug/l	98
69) o-Xylene	12.17	106	31541	22.361	ug/l	96
70) Styrene	12.18	104	53178	23.341	ug/l	98
71) Bromoform	12.35	173	9188	22.556	ug/l #	98
73) Isopropylbenzene	12.47	105	88143	20.806	ug/l	98
74) N-amyl acetate	12.27	43	16609	21.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	13723	21.871	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	19436	42.635	ug/l	32
77) Bromobenzene	12.75	156	20029	21.329	ug/l	94
78) n-propylbenzene	12.81	91	104171	21.850	ug/l	100
79) 2-Chlorotoluene	12.90	91	60966	21.133	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	76045	21.363	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	4284	20.759	ug/l	92
82) 4-Chlorotoluene	12.99	91	65124	21.416	ug/l	96
83) tert-Butylbenzene	13.21	119	68324	21.783	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	78109	21.324	ug/l	100
85) sec-Butylbenzene	13.39	105	92901	21.697	ug/l	96
86) p-Isopropyltoluene	13.51	119	85377	22.196	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	41200	22.006	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	40699	21.623	ug/l	97
89) n-Butylbenzene	13.83	91	76359	21.413	ug/l	100
90) Hexachloroethane	14.10	117	14525	21.222	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	36996	22.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2648	21.030	ug/l	93

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

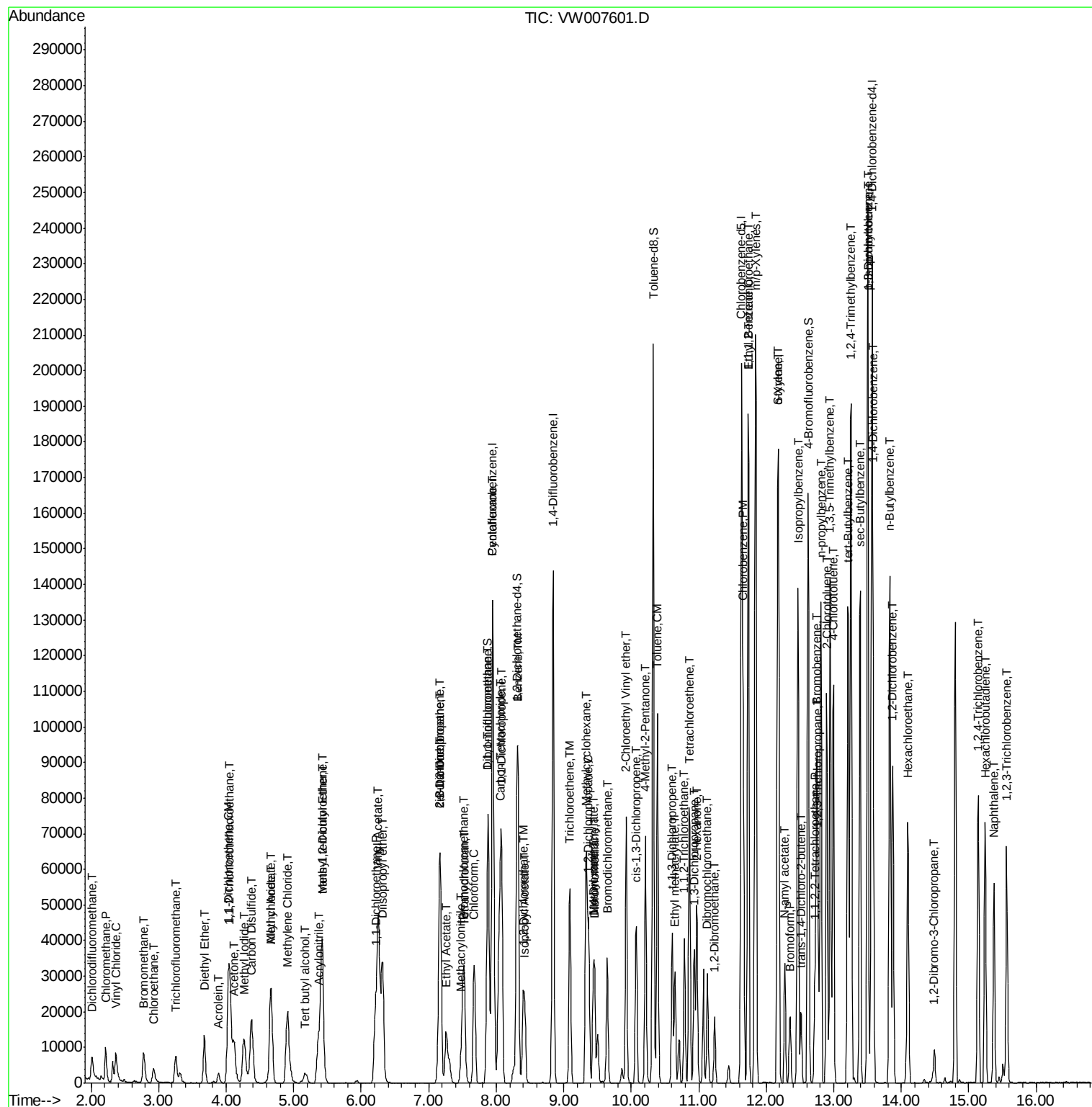
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24487	21.219	ug/l	99
94) Hexachlorobutadiene	15.24	225	12922	21.104	ug/l	98
95) Naphthalene	15.37	128	49396	22.374	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	22439	22.384	ug/l	98

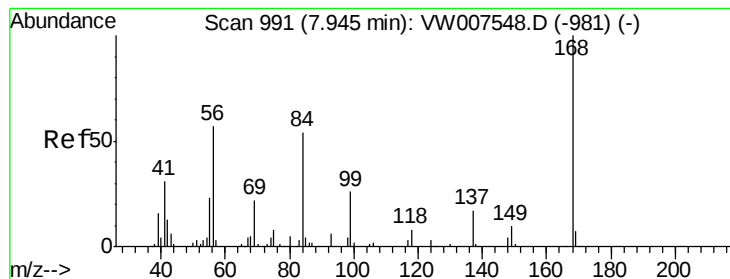
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

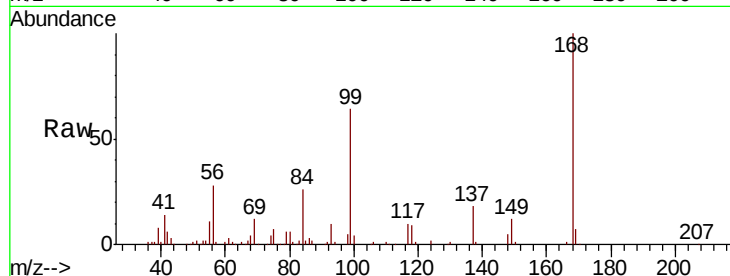
VW1218SBSD01

Tgt Ion:168 Resp: 70848

Ion Ratio Lower Upper

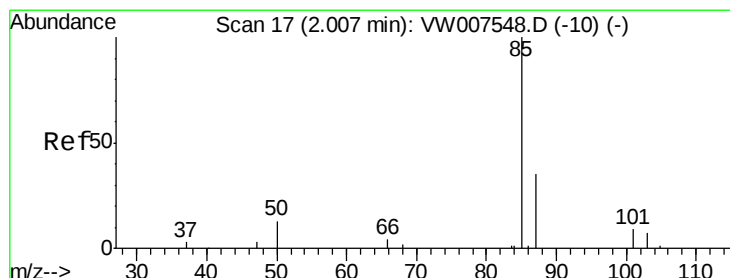
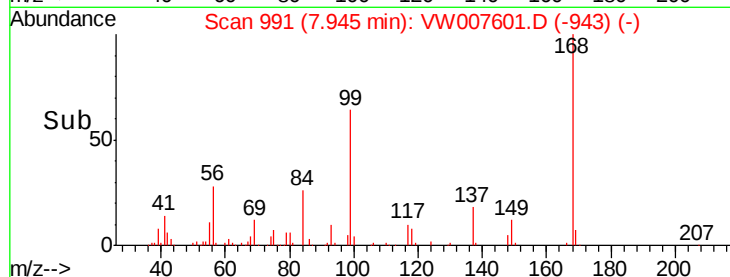
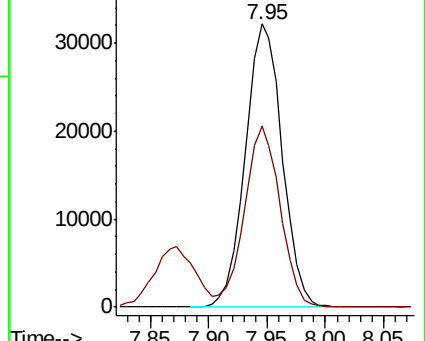
168 100

99 63.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.590 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007601.D

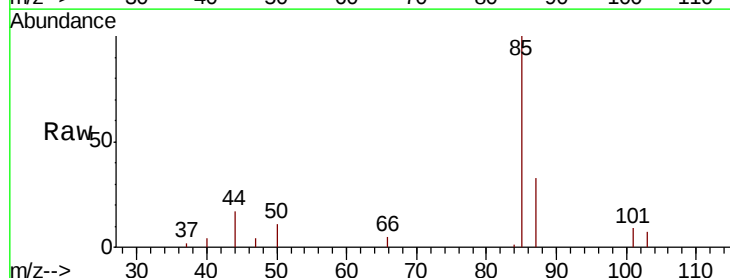
Acq: 16 Dec 2018 01:13

Tgt Ion: 85 Resp: 10194

Ion Ratio Lower Upper

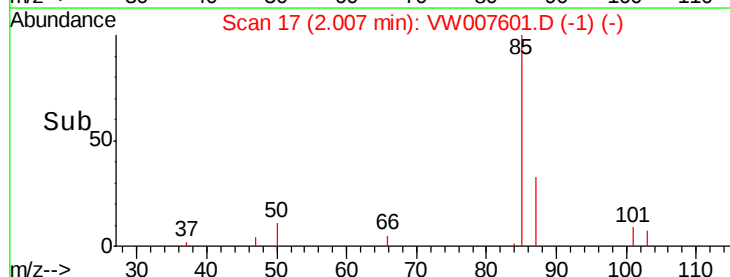
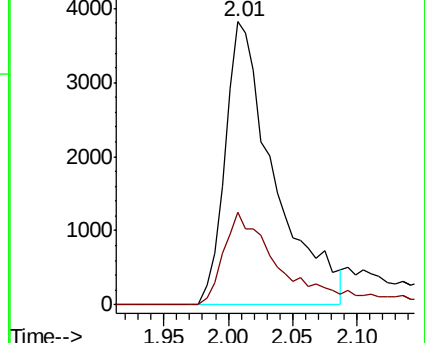
85 100

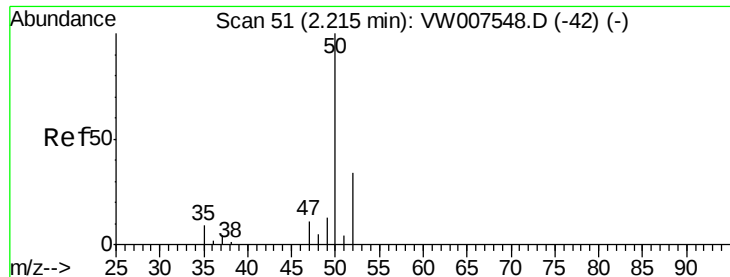
87 32.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.562 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

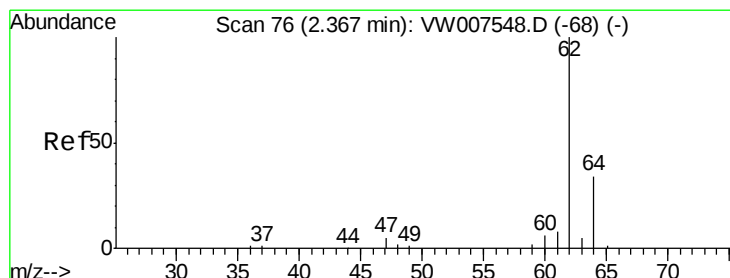
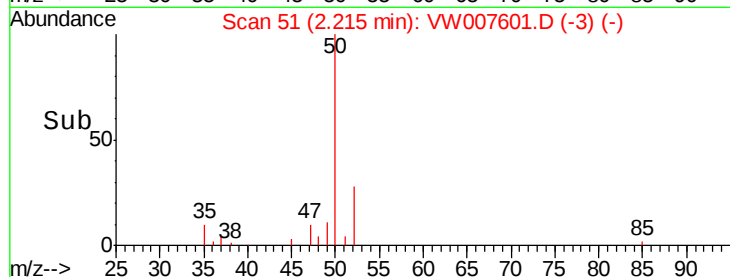
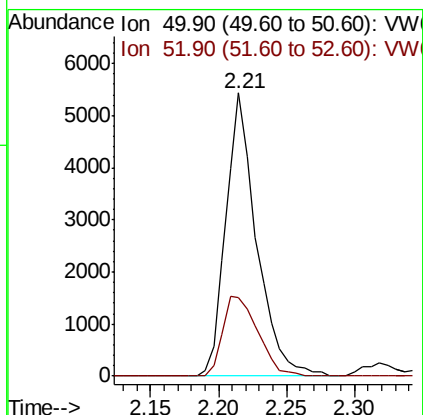
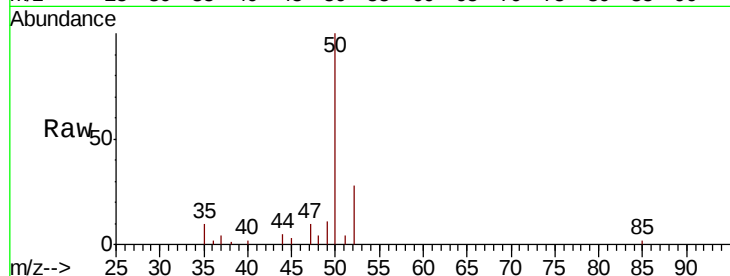
VW1218SBSD01

Tgt Ion: 50 Resp: 8526

Ion Ratio Lower Upper

50 100

52 27.5 27.4 41.0



#4

Vinyl Chloride

Concen: 20.631 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007601.D

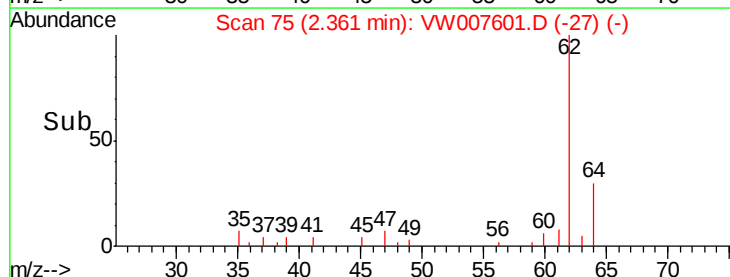
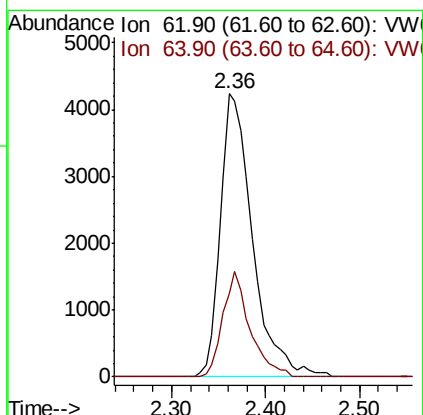
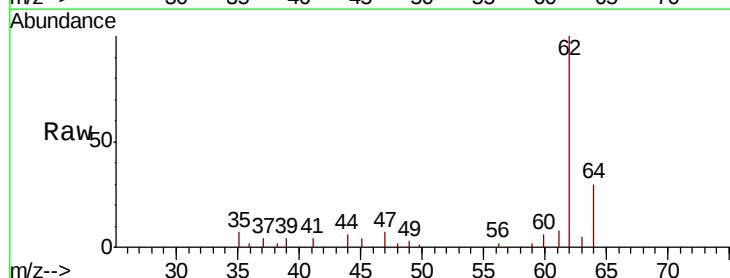
Acq: 16 Dec 2018 01:13

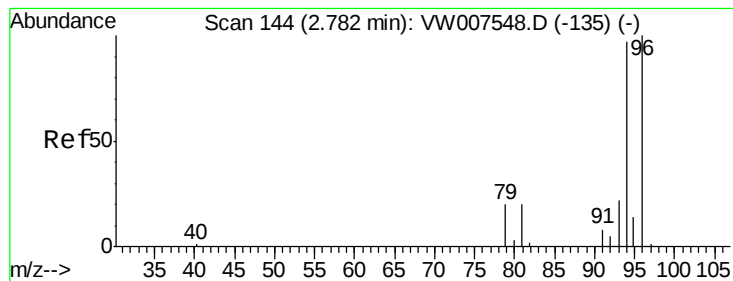
Tgt Ion: 62 Resp: 10039

Ion Ratio Lower Upper

62 100

64 29.6 24.6 37.0





#5

Bromomethane

Concen: 21.619 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

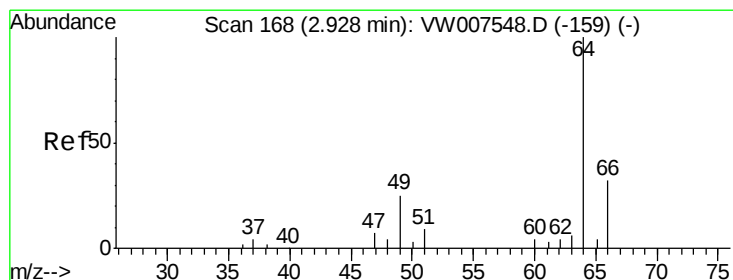
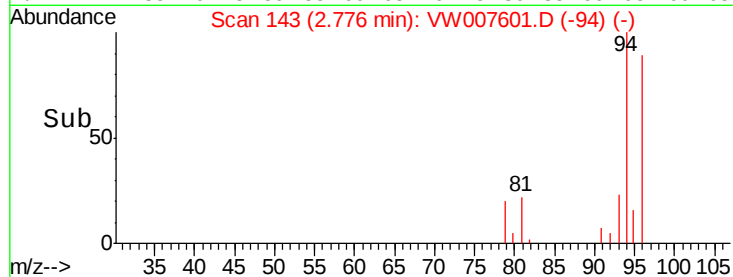
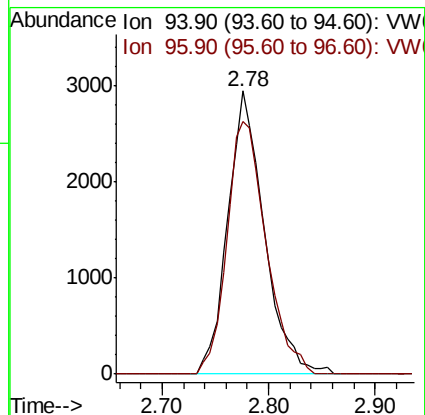
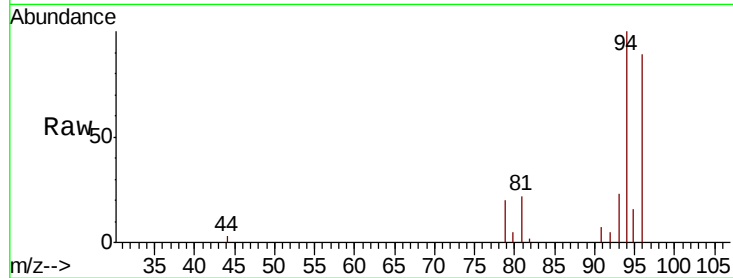
VW1218SBSD01

Tgt Ion: 94 Resp: 7068

Ion Ratio Lower Upper

94 100

96 89.3 71.0 106.4



#6

Chloroethane

Concen: 20.007 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007601.D

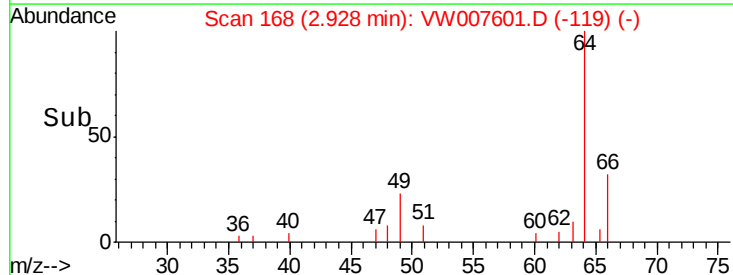
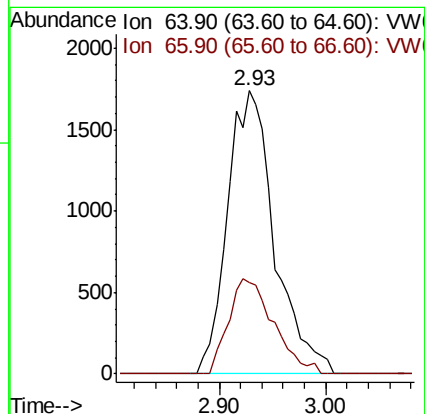
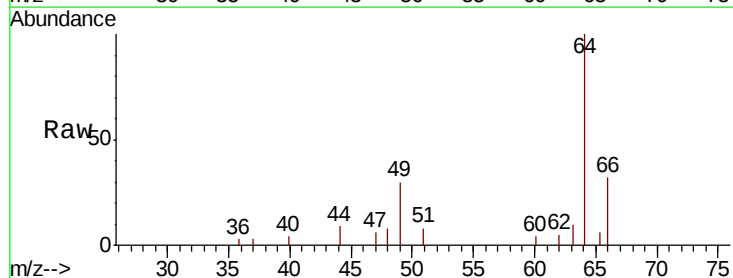
Acq: 16 Dec 2018 01:13

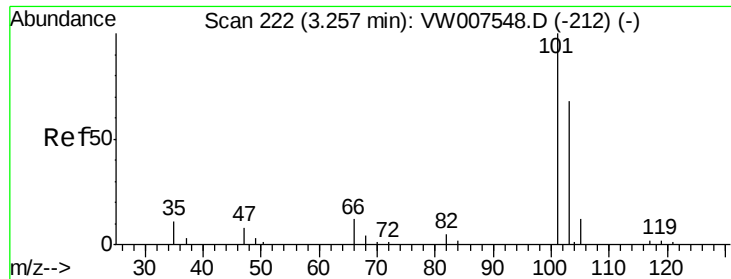
Tgt Ion: 64 Resp: 5359

Ion Ratio Lower Upper

64 100

66 32.3 24.6 37.0



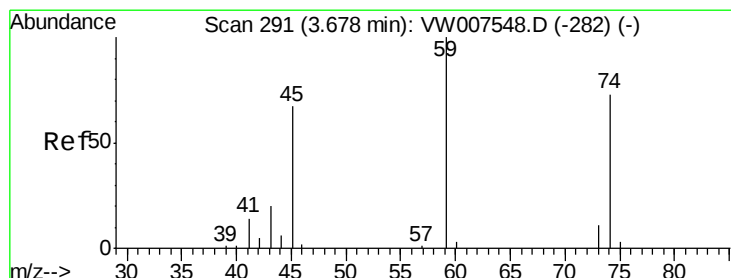
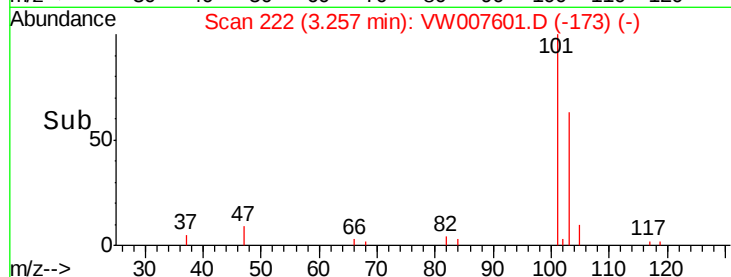
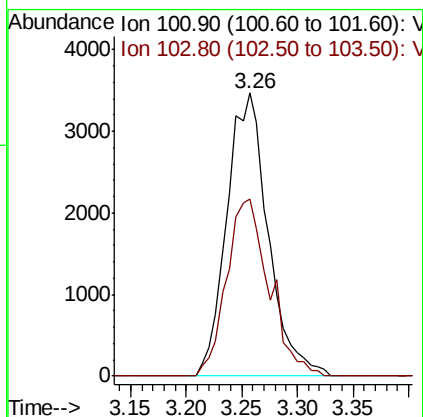
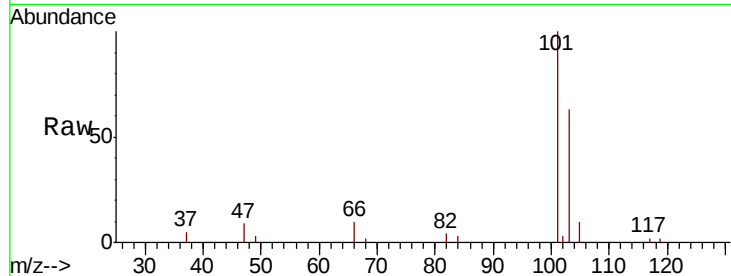


#7

Trichlorofluoromethane
 Concen: 20.420 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Instrument :
 MSVOA_W
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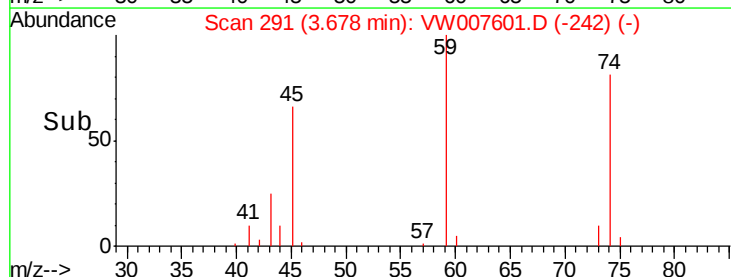
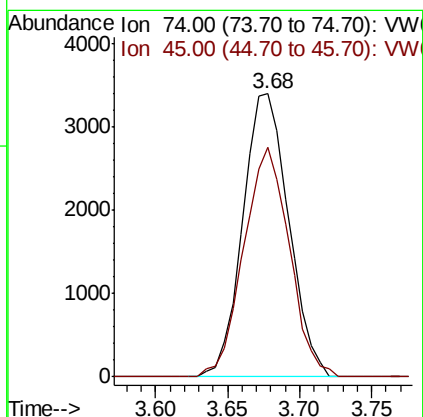
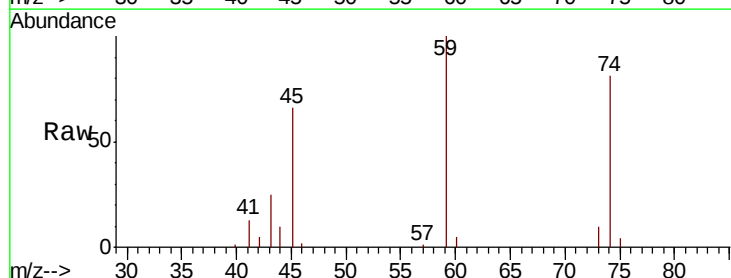
Tgt Ion: 101 Resp: 8933
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.7 77.5

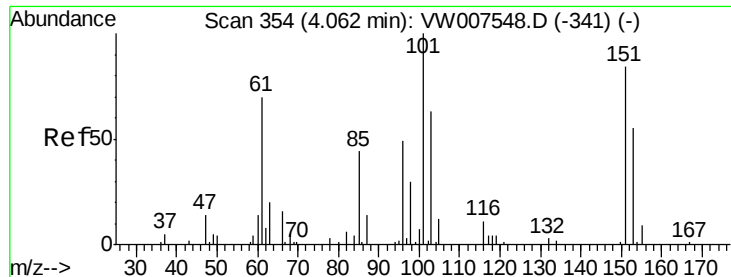


#8

Diethyl Ether
 Concen: 21.852 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 74 Resp: 7482
 Ion Ratio Lower Upper
 74 100
 45 80.6 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.856 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

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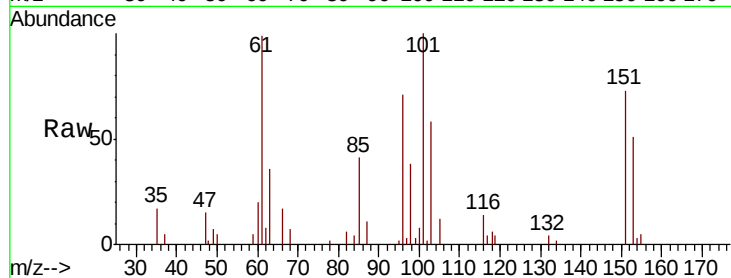
Tgt Ion:101 Resp: 15055

Ion Ratio Lower Upper

101 100

85 43.3 33.9 50.9

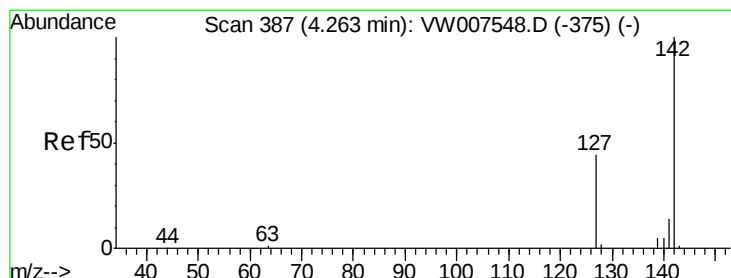
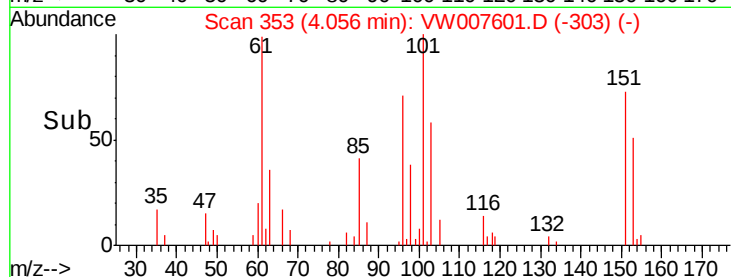
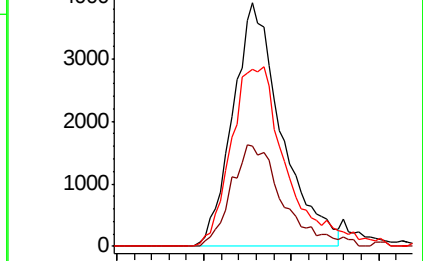
151 83.8 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.518 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

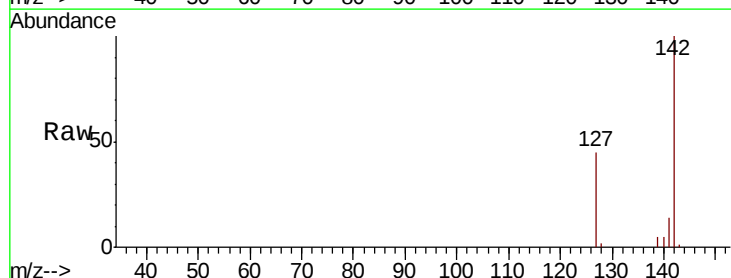
Tgt Ion:142 Resp: 25725

Ion Ratio Lower Upper

142 100

127 47.5 35.8 53.6

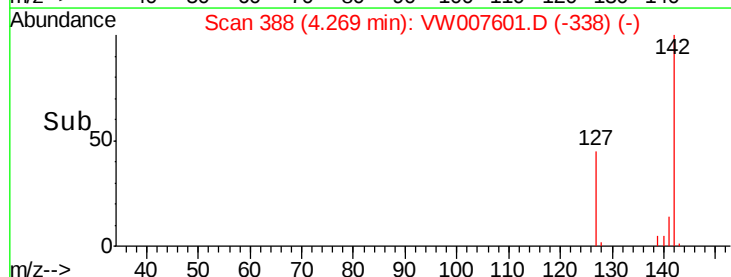
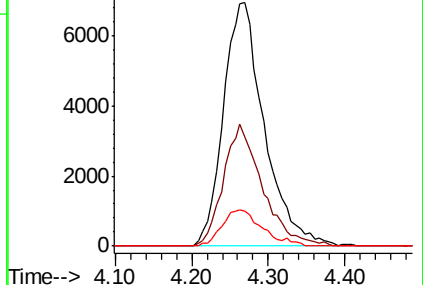
141 14.6 11.1 16.7

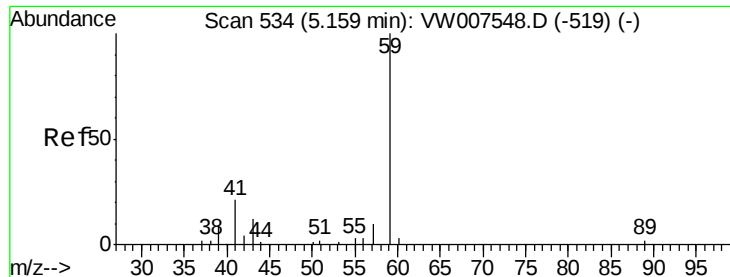


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

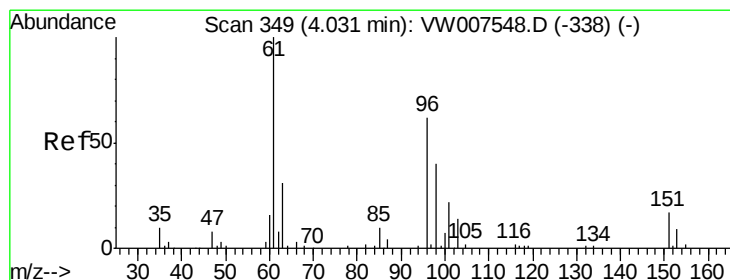
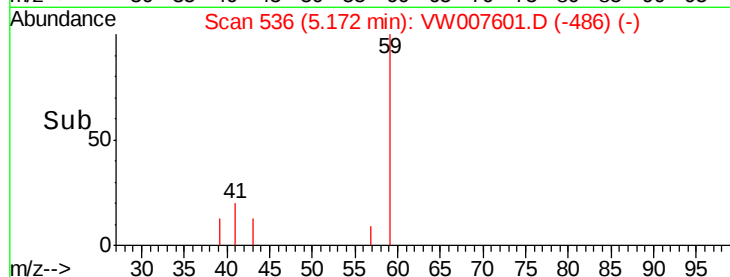
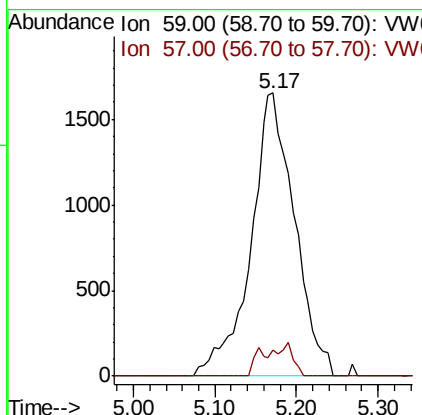
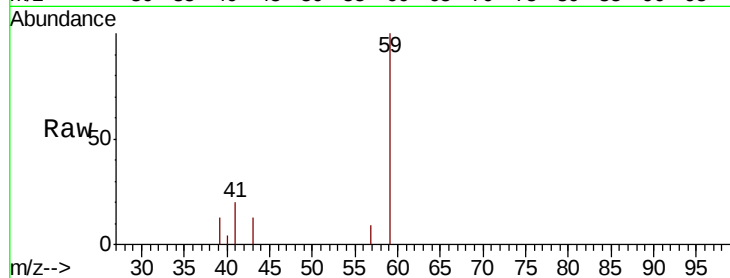




#11
Tert butyl alcohol
Concen: 114.168 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

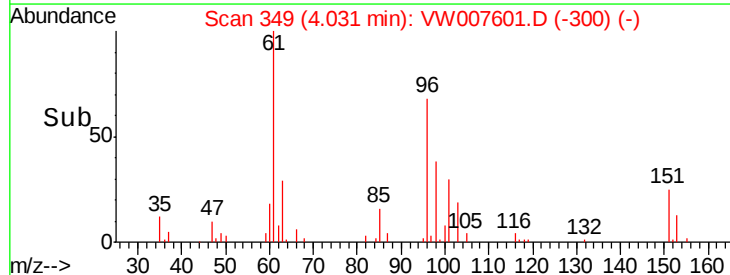
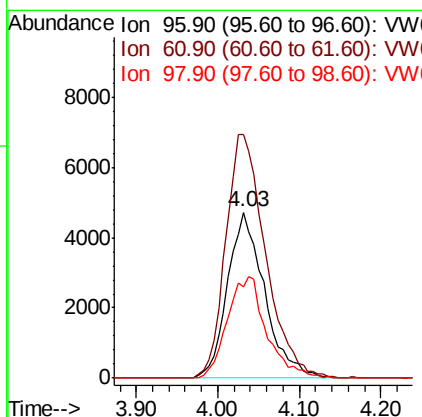
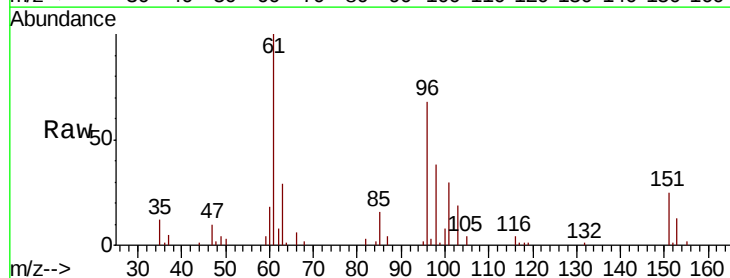
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBSD01

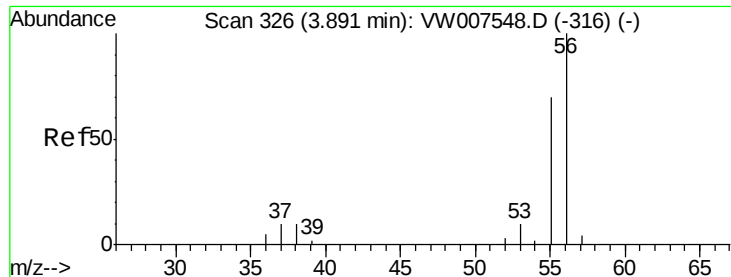
Tgt Ion: 59 Resp: 6163
Ion Ratio Lower Upper
59 100
57 4.6 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 21.358 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion: 96 Resp: 14844
Ion Ratio Lower Upper
96 100
61 146.8 126.2 189.2
98 55.4 48.3 72.5





#13

Acrolein

Concen: 87.656 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

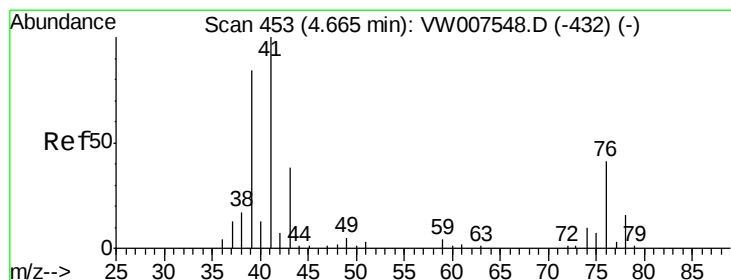
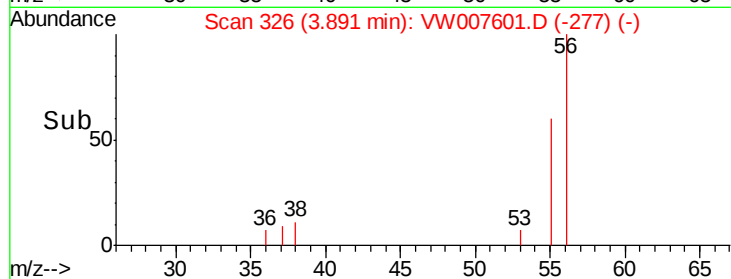
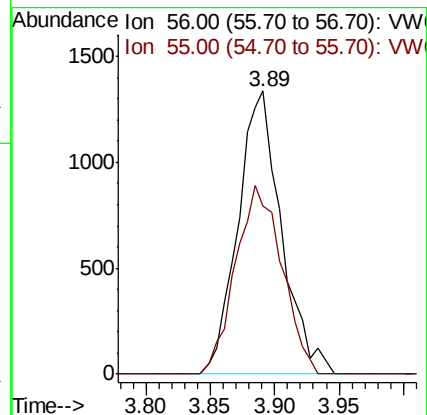
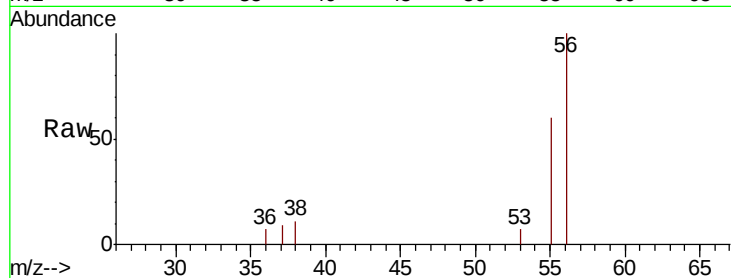
VW1218SBS01

Tgt Ion: 56 Resp: 3131

Ion Ratio Lower Upper

56 100

55 71.3 57.4 86.2



#14

Allyl chloride

Concen: 20.407 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

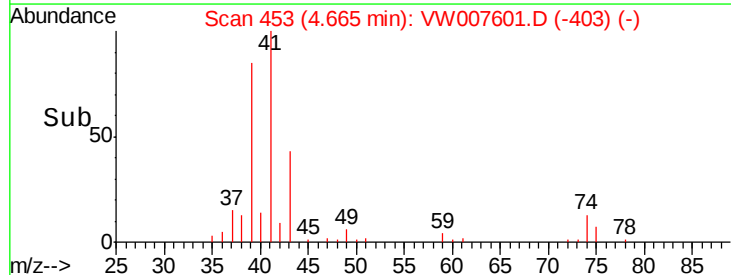
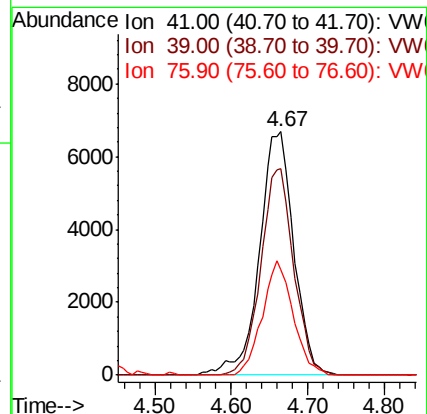
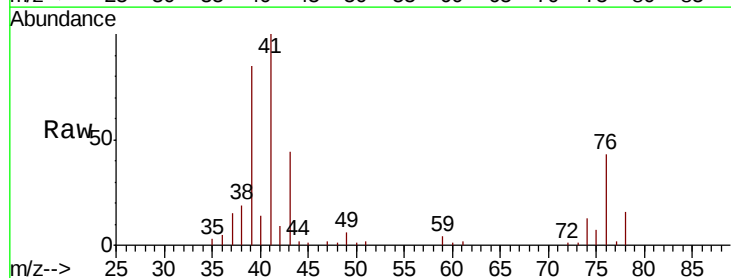
Tgt Ion: 41 Resp: 20906

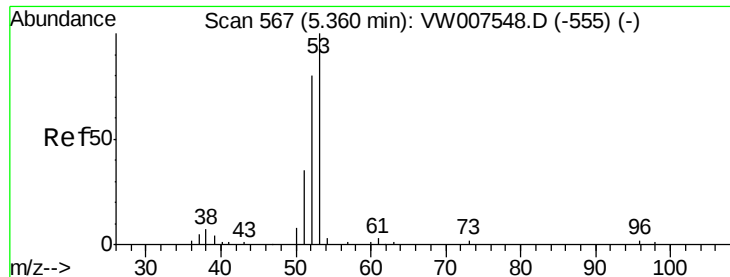
Ion Ratio Lower Upper

41 100

39 81.1 63.4 95.2

76 42.2 32.1 48.1





#15

Acrylonitrile

Concen: 108.057 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBSD01

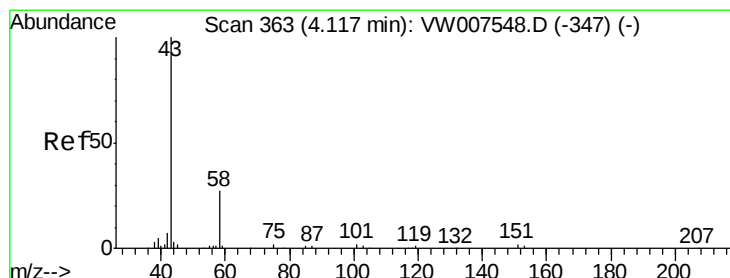
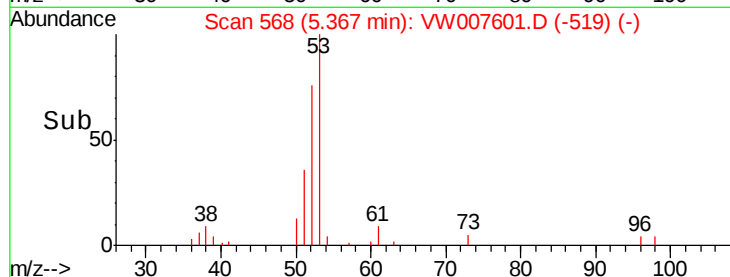
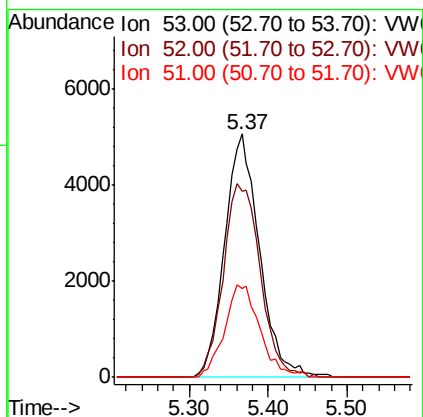
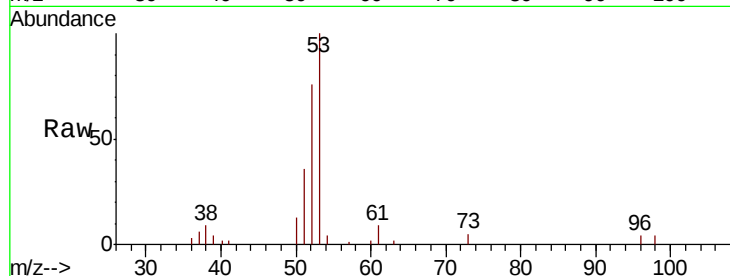
Tgt Ion: 53 Resp: 15597

Ion Ratio Lower Upper

53 100

52 84.1 67.4 101.2

51 38.6 30.2 45.2



#16

Acetone

Concen: 101.470 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007601.D

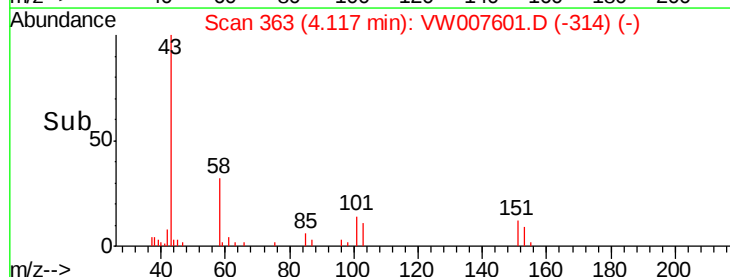
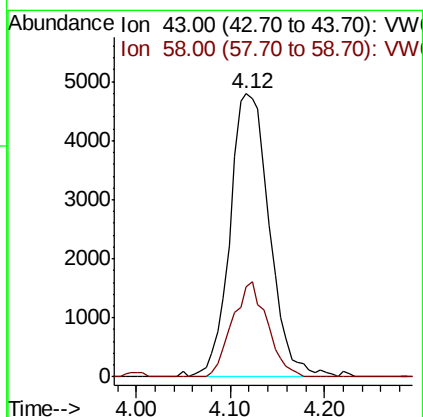
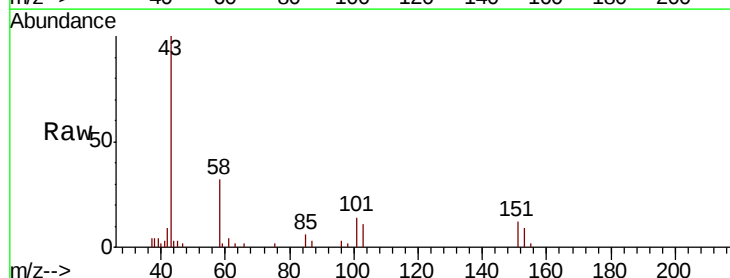
Acq: 16 Dec 2018 01:13

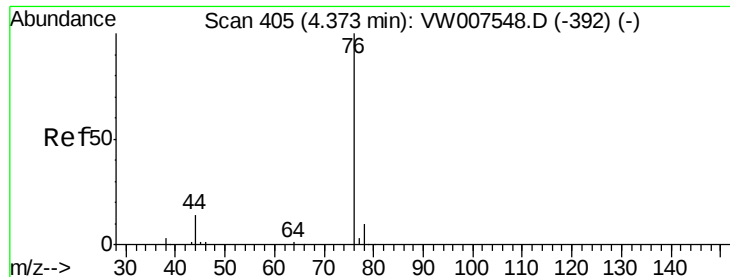
Tgt Ion: 43 Resp: 13931

Ion Ratio Lower Upper

43 100

58 31.8 24.9 37.3

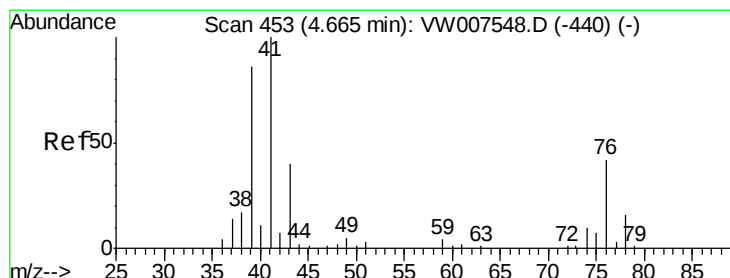
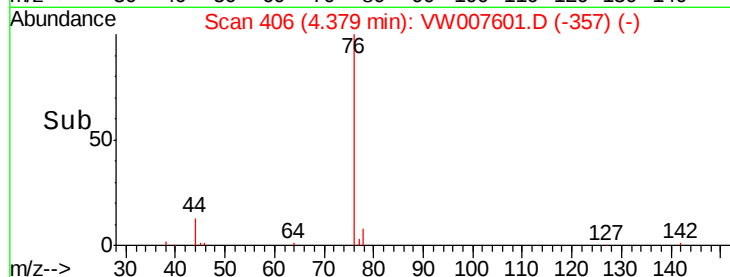
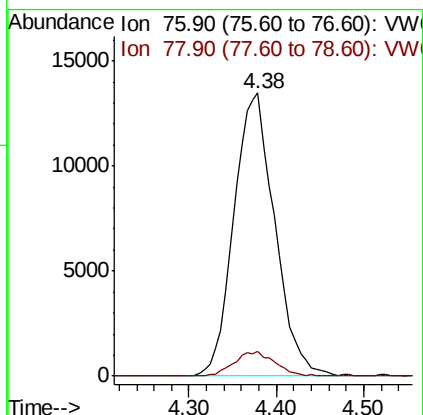
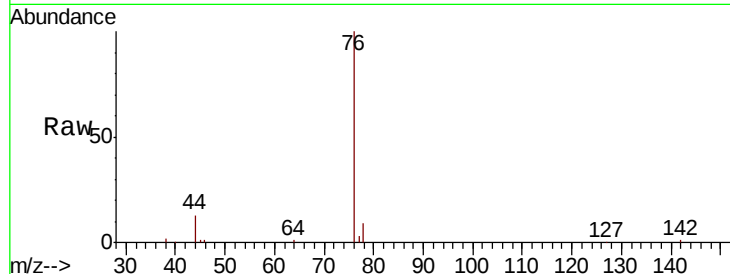




#17
Carbon Disulfide
Concen: 20.703 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

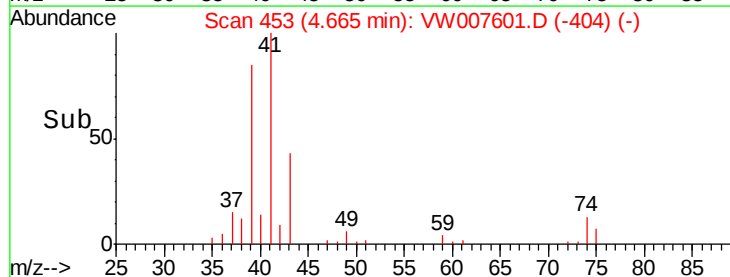
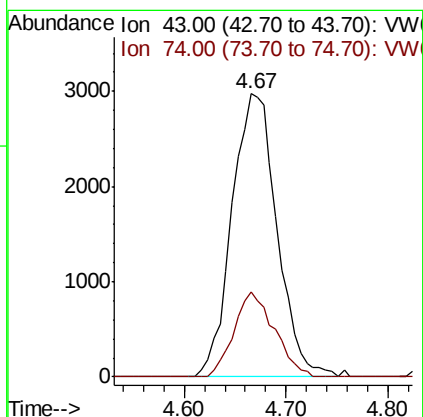
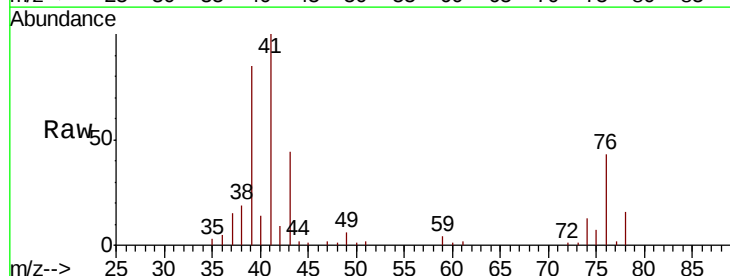
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBSD01

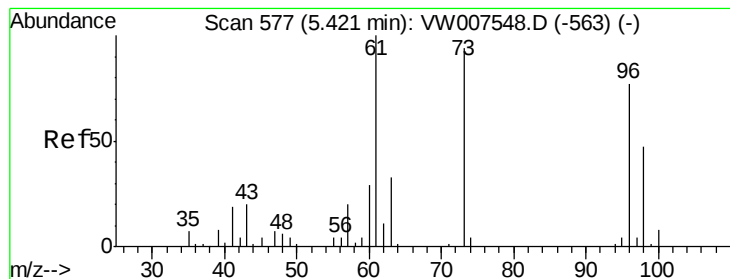
Tgt Ion: 76 Resp: 43628
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 24.440 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion: 43 Resp: 9107
Ion Ratio Lower Upper
43 100
74 26.9 21.1 31.7





#19

Methyl tert-butyl Ether

Concen: 22.200 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

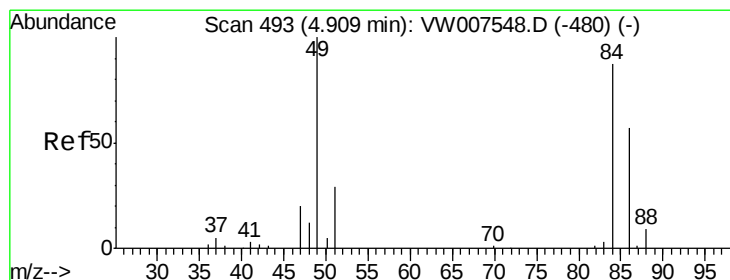
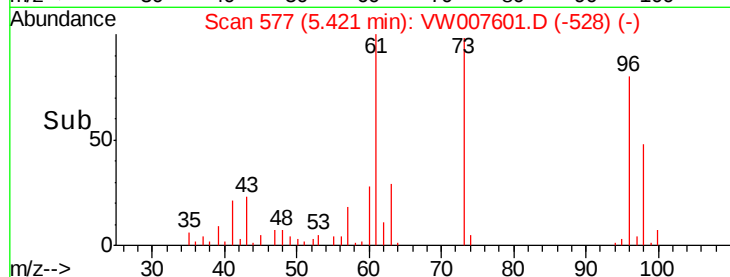
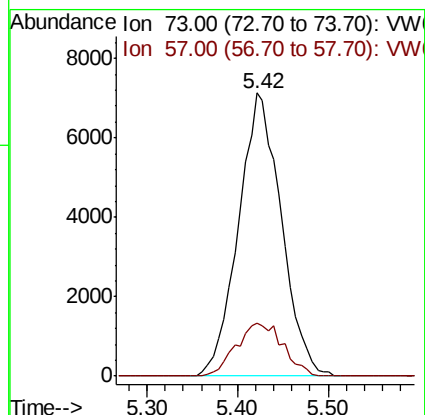
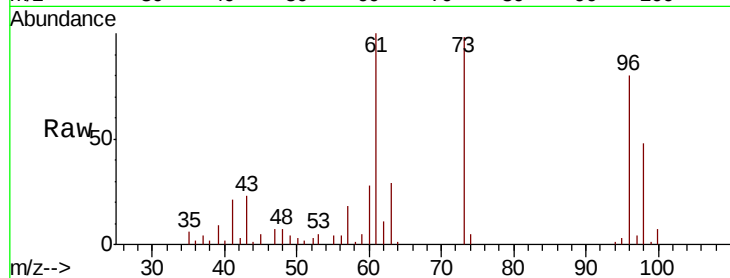
VW1218SBS01

Tgt Ion: 73 Resp: 23276

Ion Ratio Lower Upper

73 100

57 18.8 16.4 24.6



#20

Methylene Chloride

Concen: 21.514 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Tgt Ion: 84 Resp: 17828

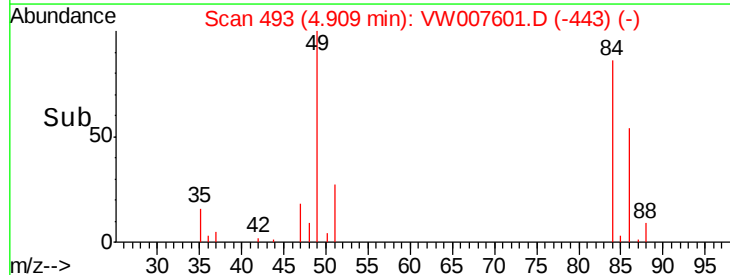
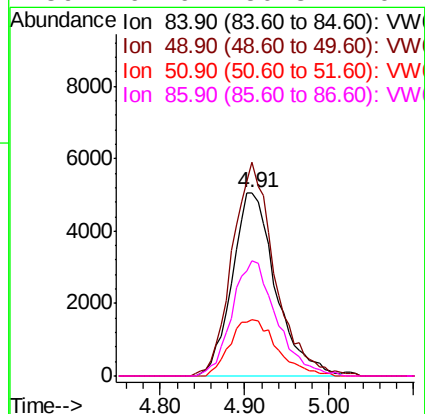
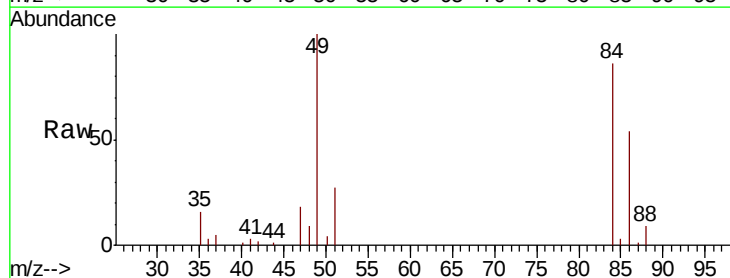
Ion Ratio Lower Upper

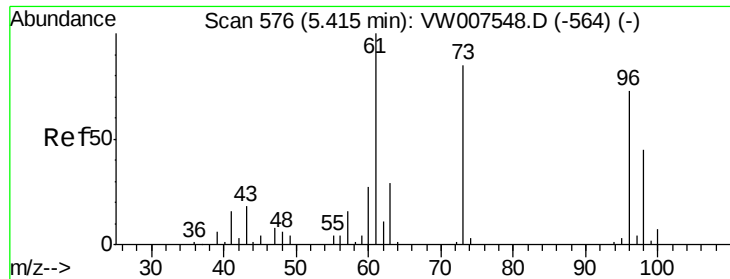
84 100

49 116.3 87.1 130.7

51 30.9 28.2 42.2

86 62.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.879 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

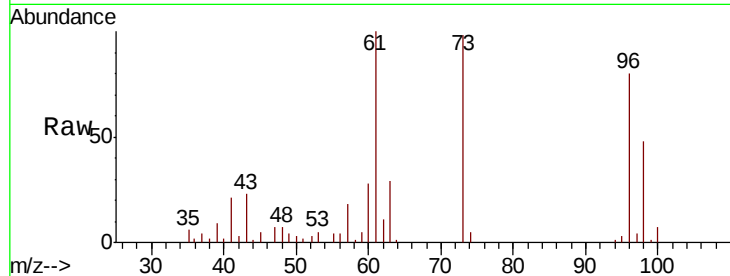
Tgt Ion: 96 Resp: 17010

Ion Ratio Lower Upper

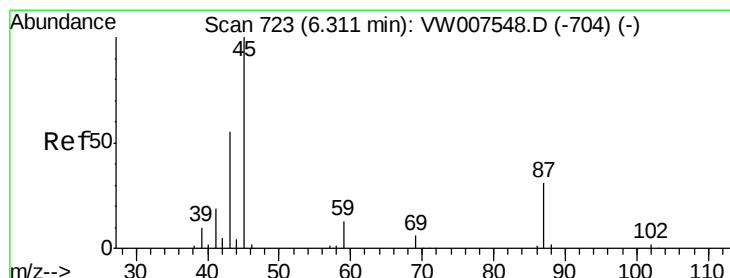
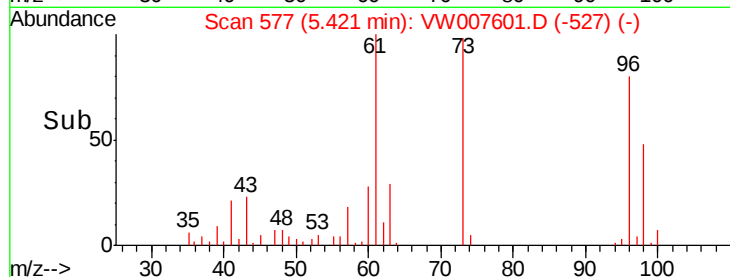
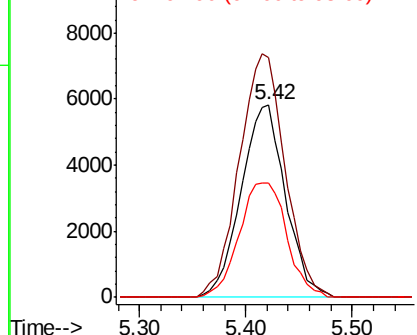
96 100

61 124.3 105.0 157.6

98 59.3 49.7 74.5



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



#22

Diisopropyl ether

Concen: 20.913 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Tgt Ion: 45 Resp: 41181

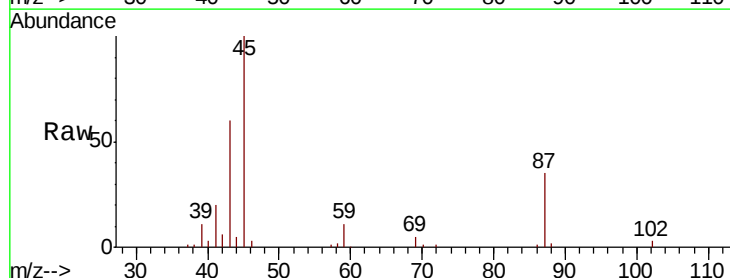
Ion Ratio Lower Upper

45 100

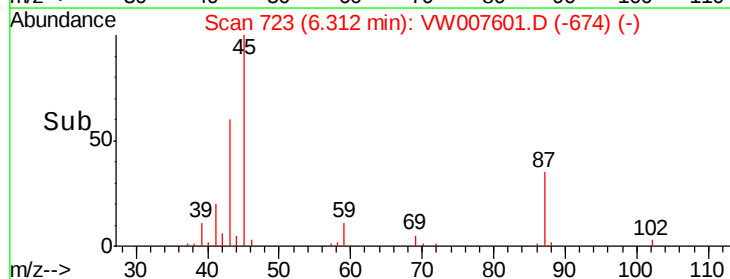
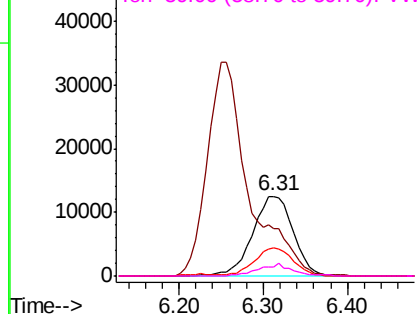
43 59.0 41.6 62.4

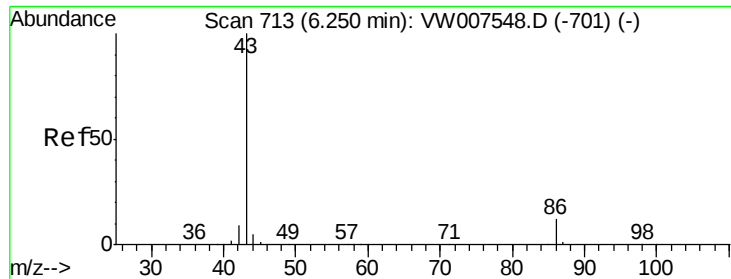
87 34.8 24.3 36.5

59 11.4 9.4 14.0



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





#23

Vinyl Acetate

Concen: 104.003 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

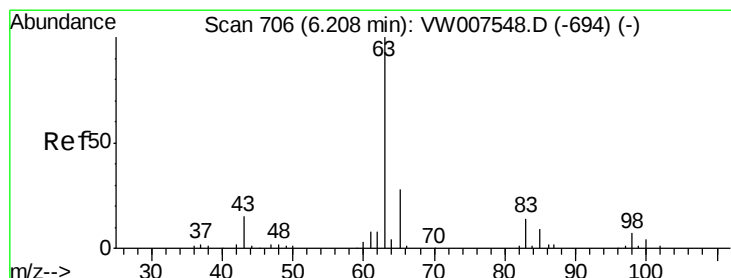
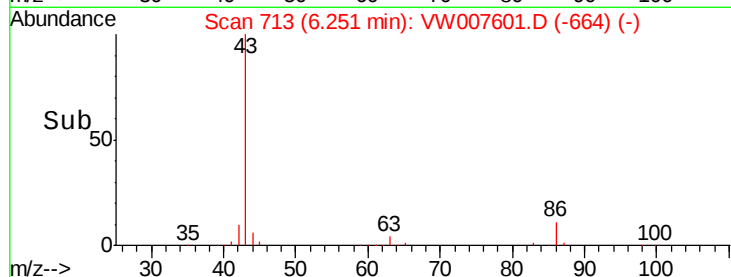
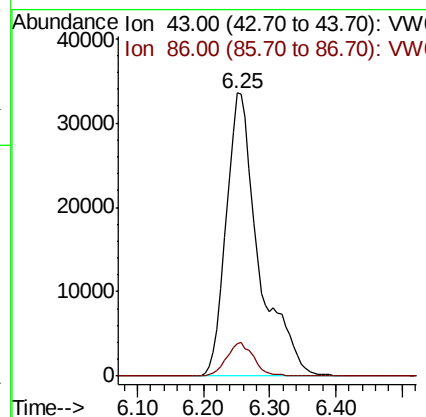
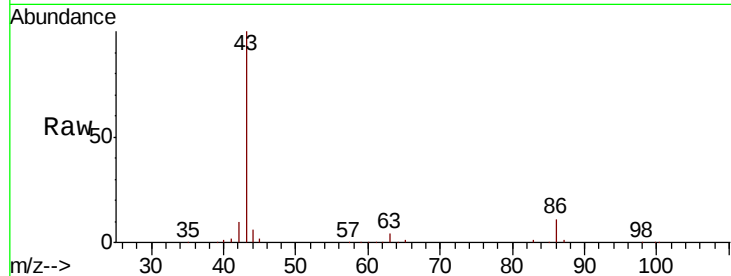
VW1218SBSD01

Tgt Ion: 43 Resp: 114549

Ion Ratio Lower Upper

43 100

86 11.4 8.6 12.8



#24

1,1-Dichloroethane

Concen: 21.204 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

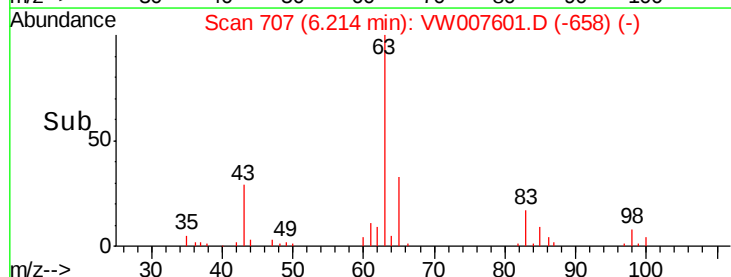
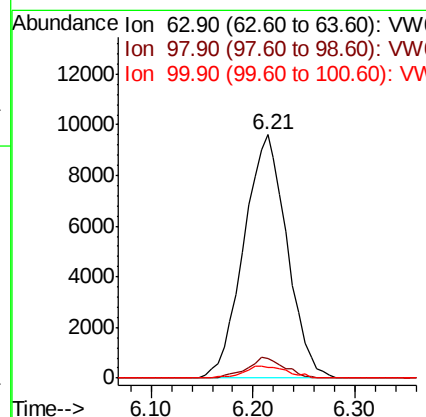
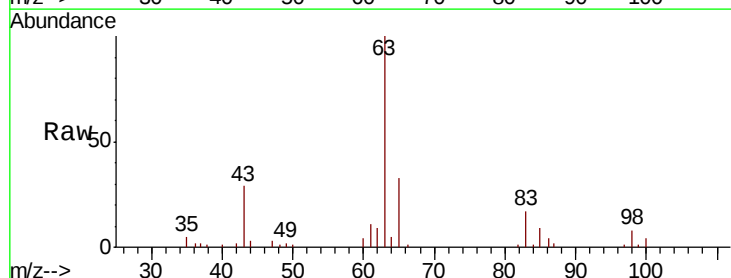
Tgt Ion: 63 Resp: 28220

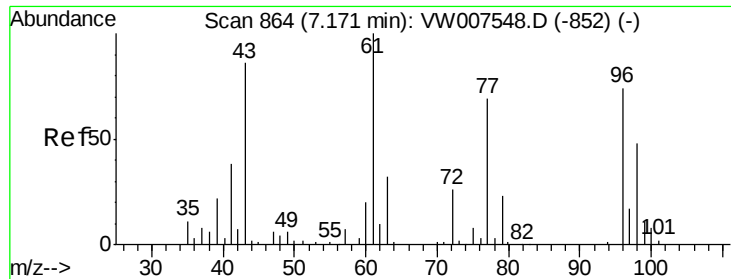
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

100 4.4 2.5 7.5





#25

2-Butanone

Concen: 106.481 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

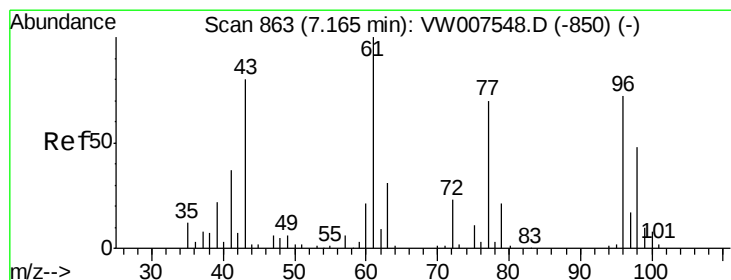
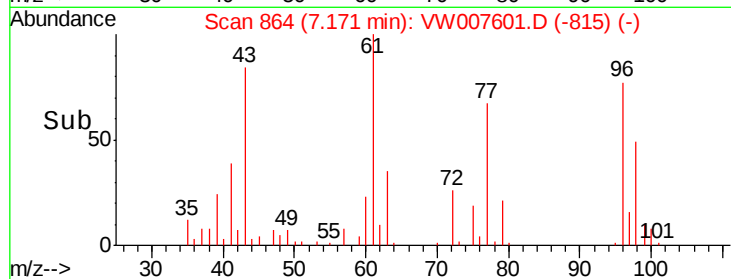
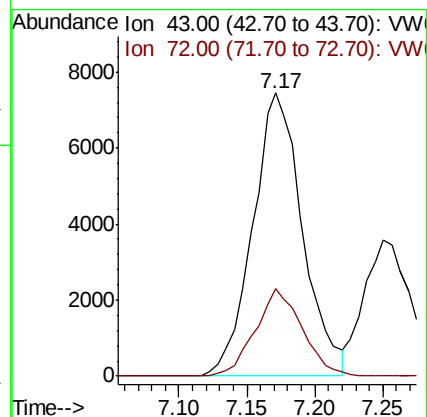
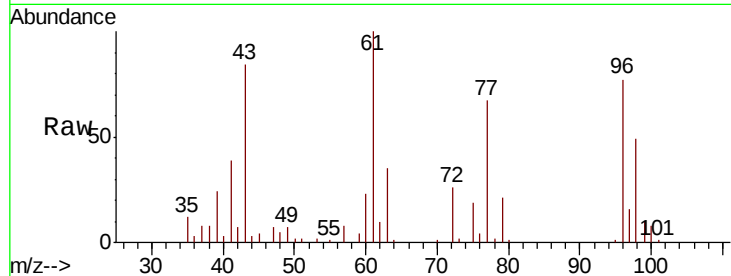
VW1218SBS01

Tgt Ion: 43 Resp: 19085

Ion Ratio Lower Upper

43 100

72 30.9 23.4 35.2



#26

2,2-Dichloropropane

Concen: 21.347 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007601.D

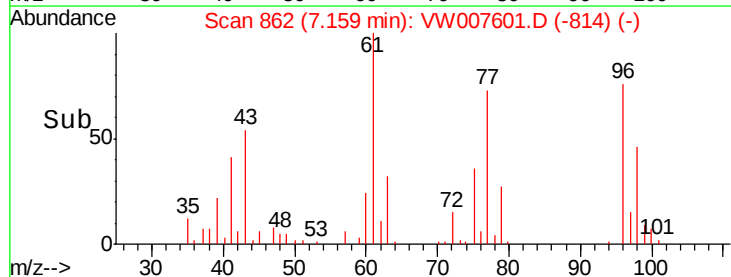
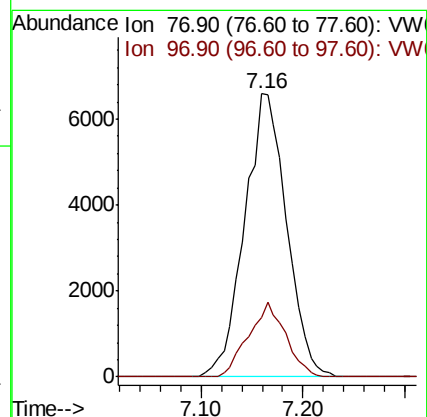
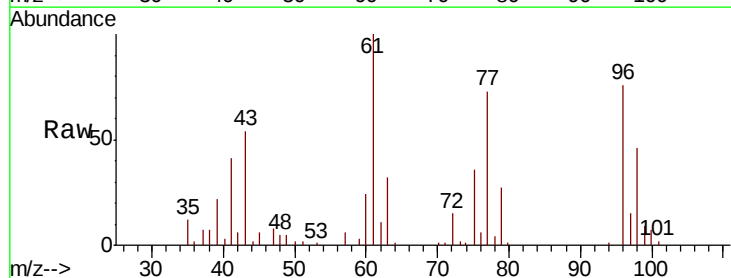
Acq: 16 Dec 2018 01:13

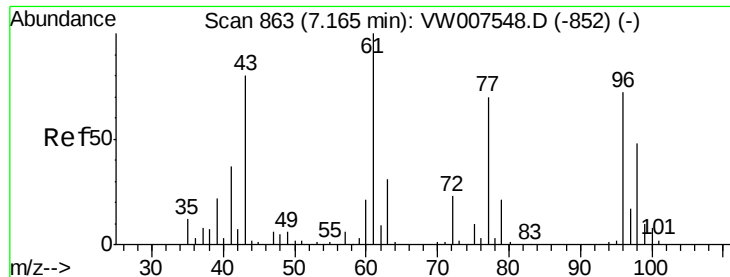
Tgt Ion: 77 Resp: 18802

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8



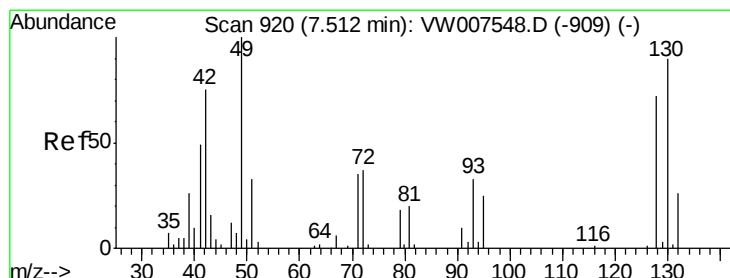
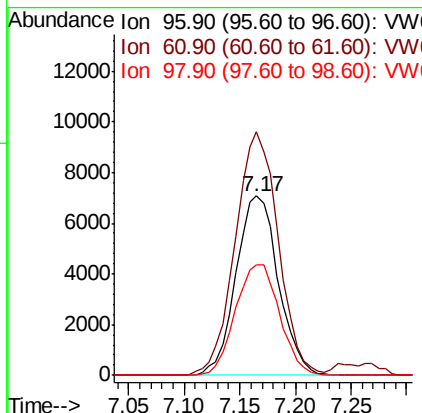
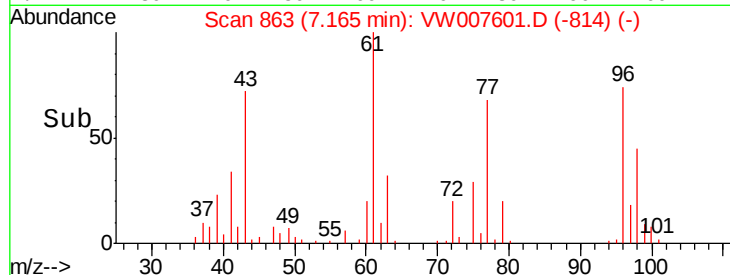
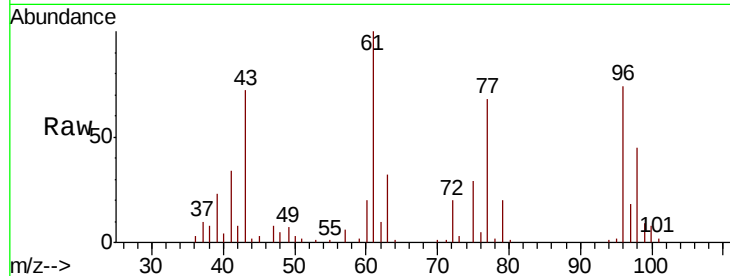


#27

cis-1,2-Dichloroethene
Concen: 21.974 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

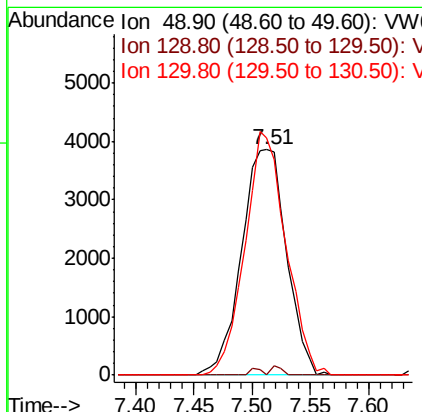
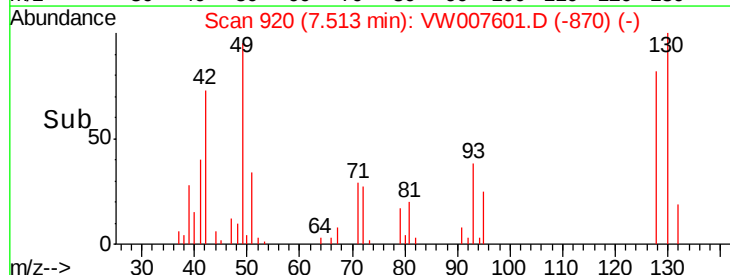
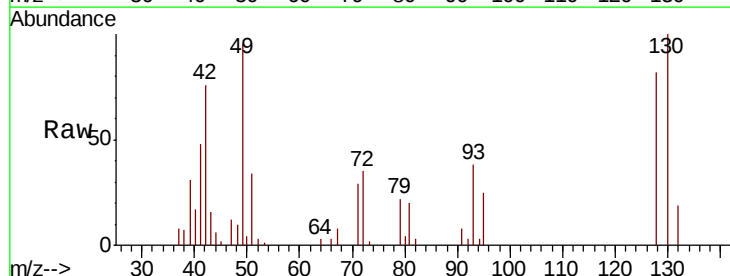
Tgt Ion: 96 Resp: 18706
Ion Ratio Lower Upper
96 100
61 137.8 0.0 268.4
98 64.5 0.0 127.8

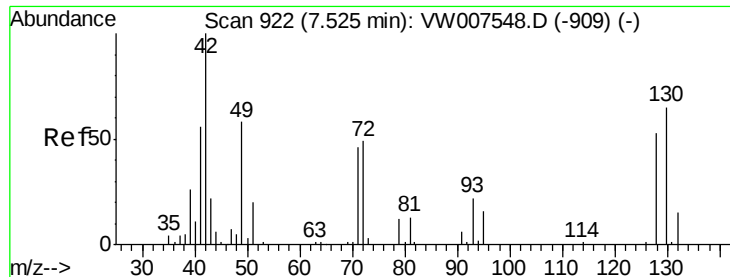


#28

Bromochloromethane
Concen: 20.667 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion: 49 Resp: 10346
Ion Ratio Lower Upper
49 100
129 0.9 0.0 2.6
130 98.3 75.9 113.9





#29

Tetrahydrofuran

Concen: 107.705 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

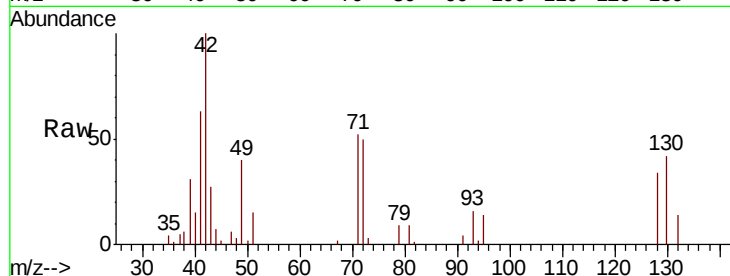
Tgt Ion: 42 Resp: 12221

Ion Ratio Lower Upper

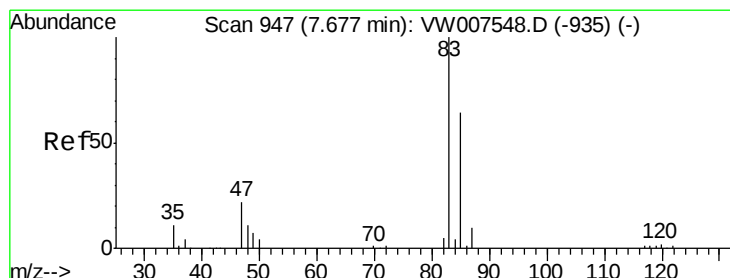
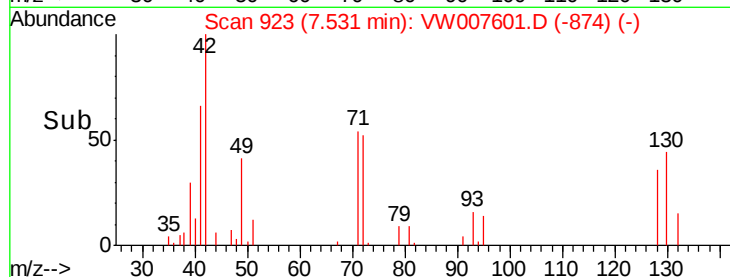
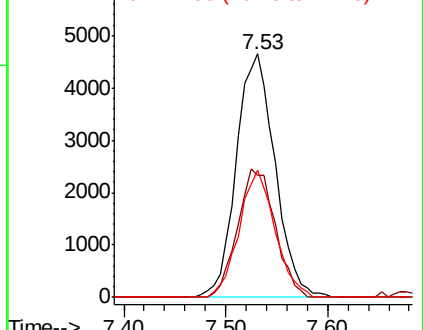
42 100

72 51.2 38.2 57.4

71 48.6 35.5 53.3



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: 21.708 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW007601.D

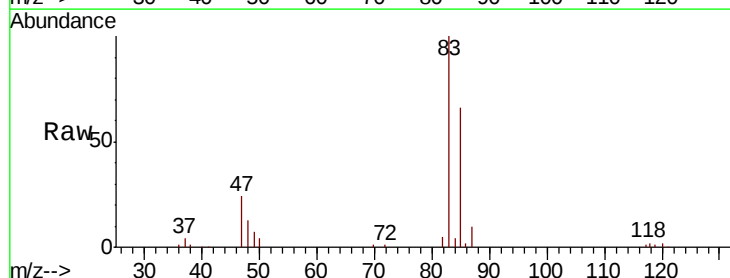
Acq: 16 Dec 2018 01:13

Tgt Ion: 83 Resp: 31440

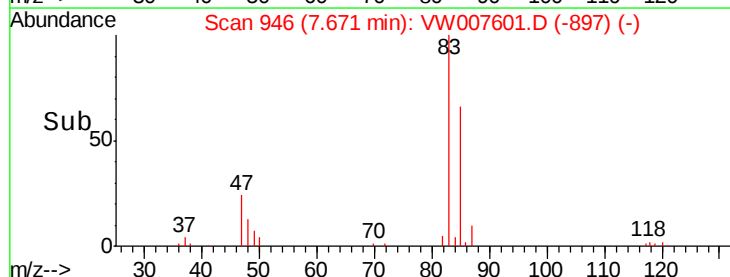
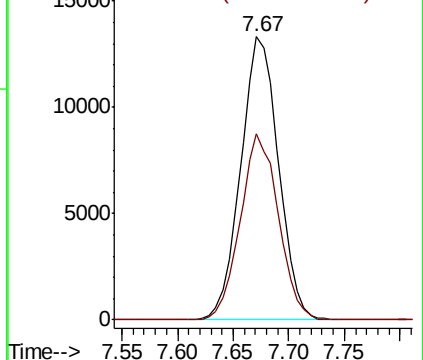
Ion Ratio Lower Upper

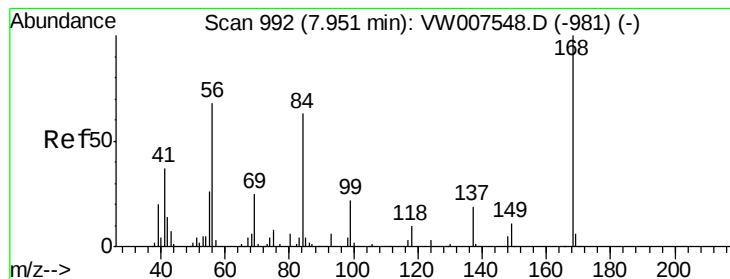
83 100

85 66.0 51.8 77.8



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





#31

Cyclohexane

Concen: 19.763 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

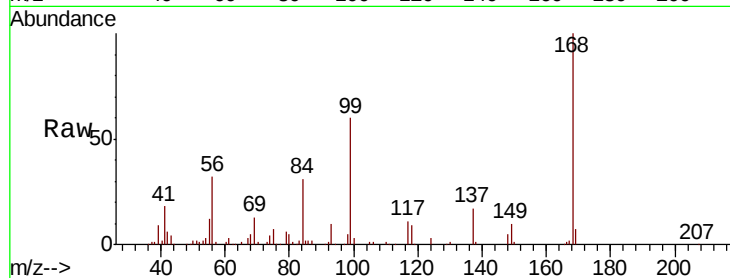
Tgt Ion: 56 Resp: 24131

Ion Ratio Lower Upper

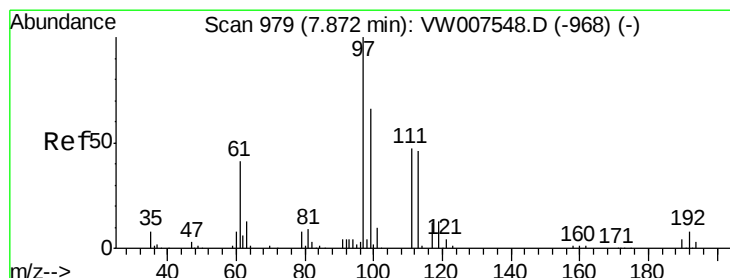
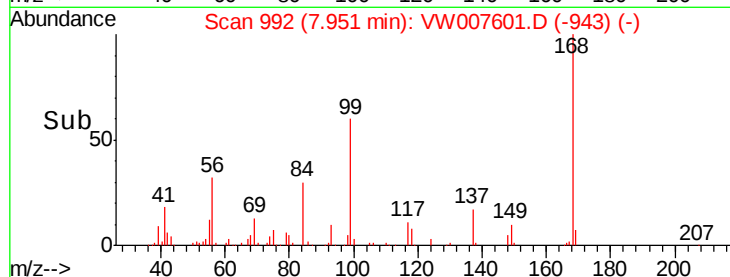
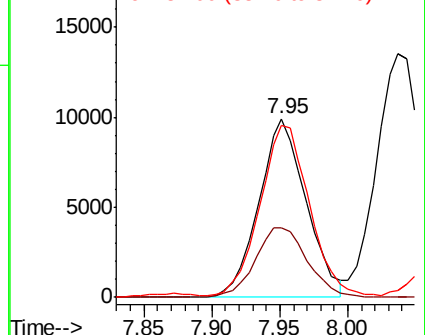
56 100

69 38.9 28.9 43.3

84 94.4 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 21.420 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

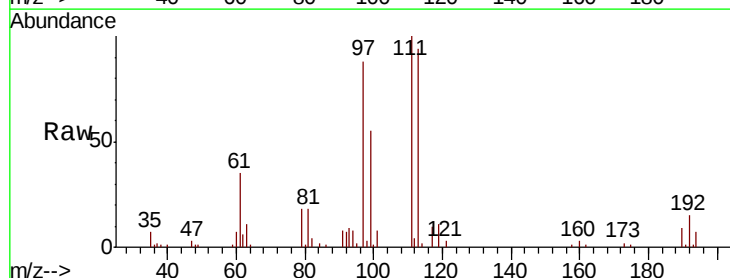
Tgt Ion: 97 Resp: 27205

Ion Ratio Lower Upper

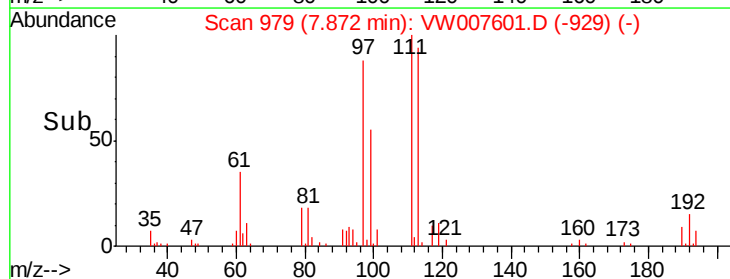
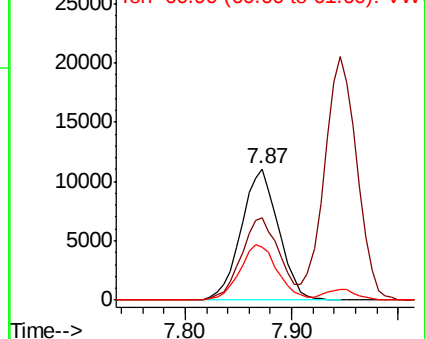
97 100

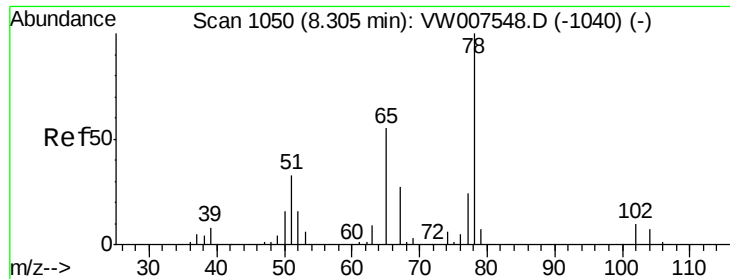
99 63.1 51.1 76.7

61 42.8 33.2 49.8



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

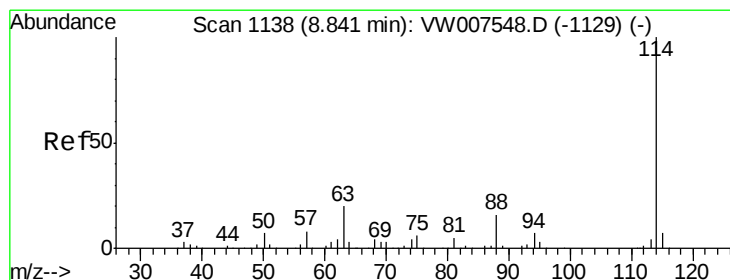
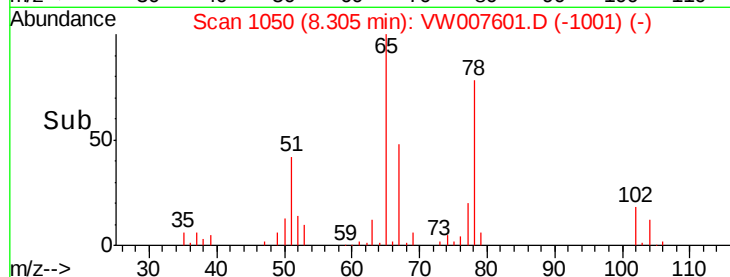
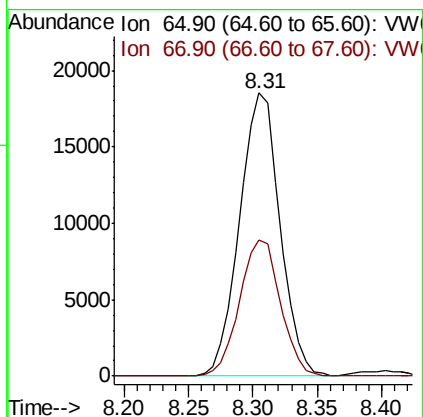
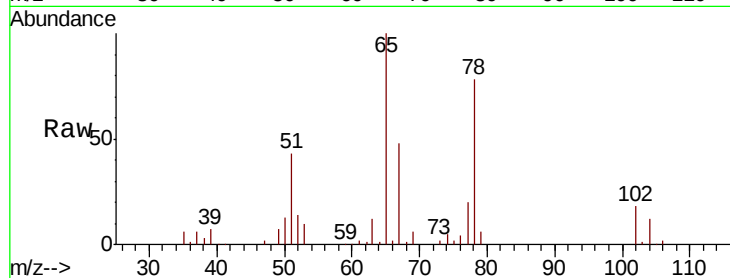




#33
 1,2-Dichloroethane-d4
 Concen: 51.165 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

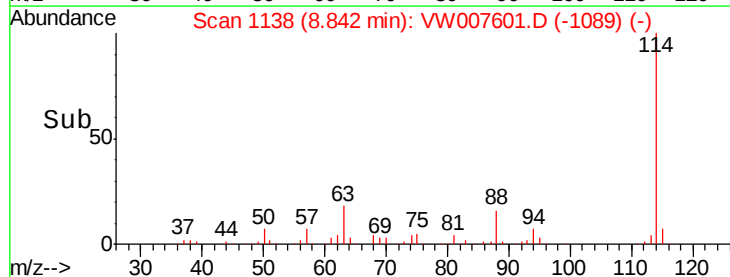
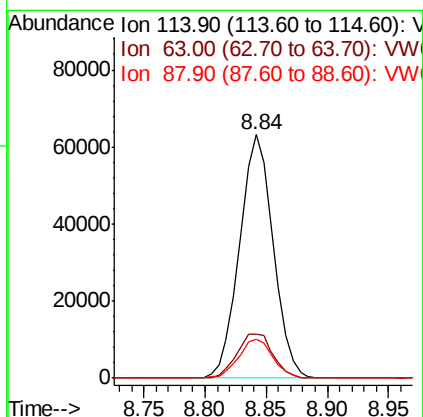
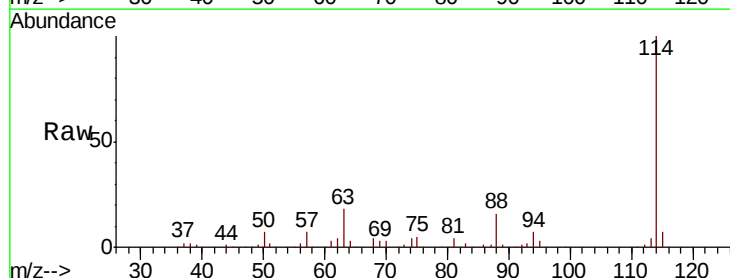
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBSD01

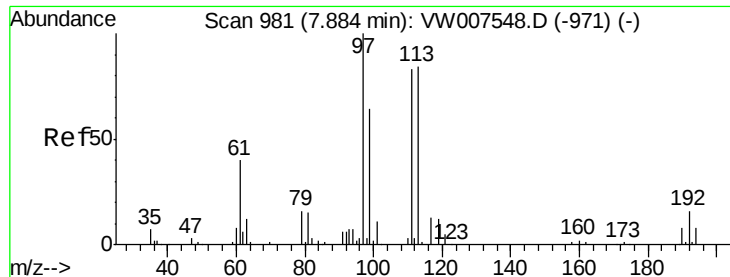
Tgt Ion: 65 Resp: 40216
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 114 Resp: 120790
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.6
 88 15.9 0.0 31.4

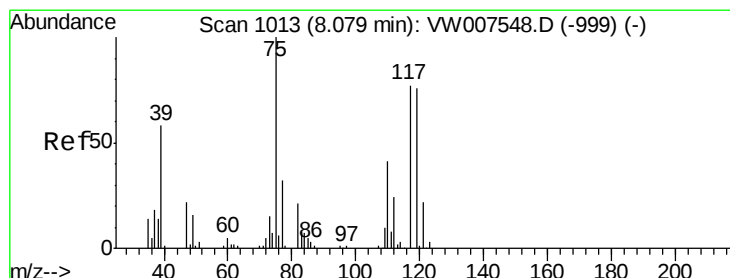
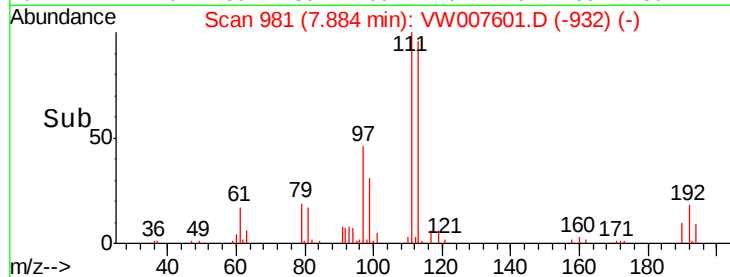
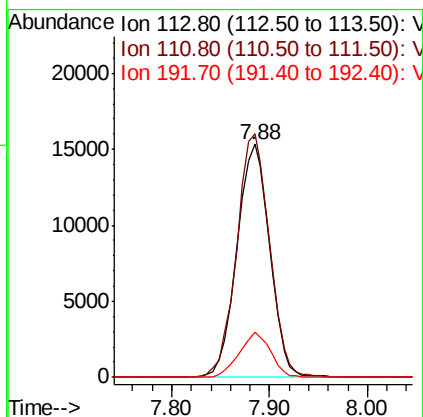
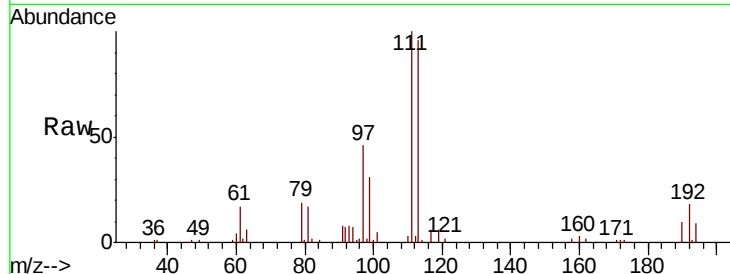




#35
 Dibromofluoromethane
 Concen: 48.775 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

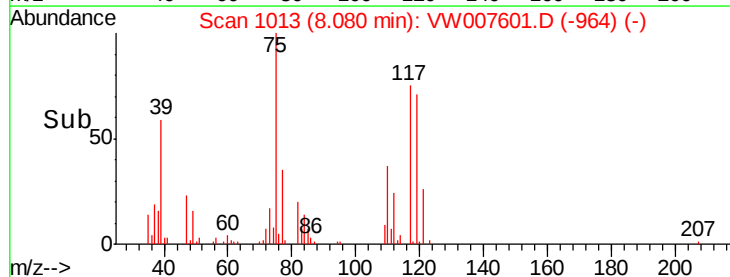
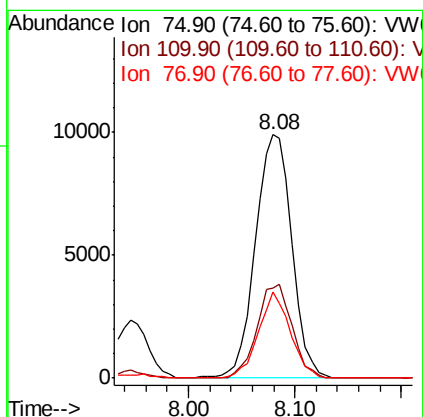
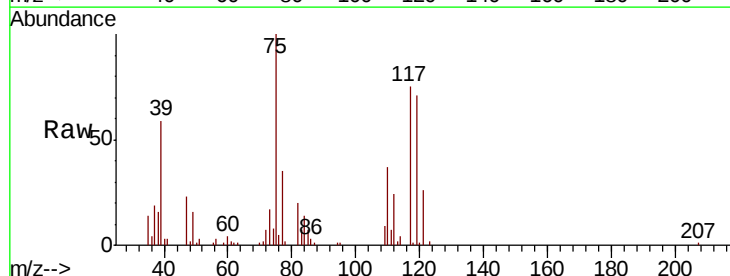
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

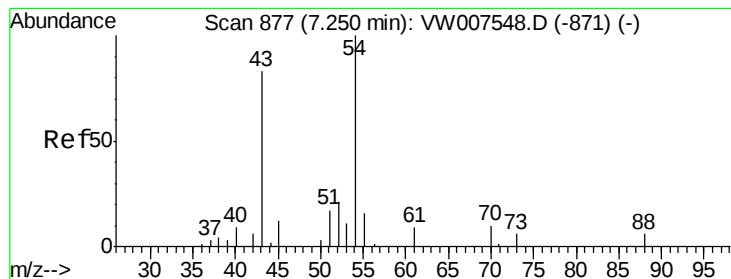
Tgt Ion: 113 Resp: 35664
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.1 121.7
 192 18.4 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 21.534 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 75 Resp: 23728
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.5 55.5
 77 30.9 25.6 38.4





#37

Ethyl Acetate

Concen: 21.865 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

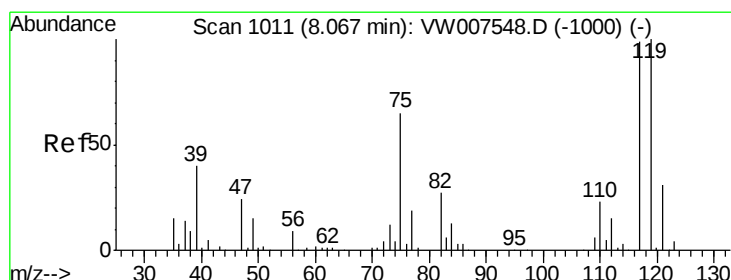
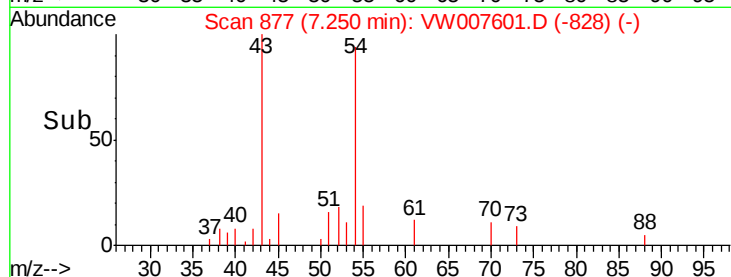
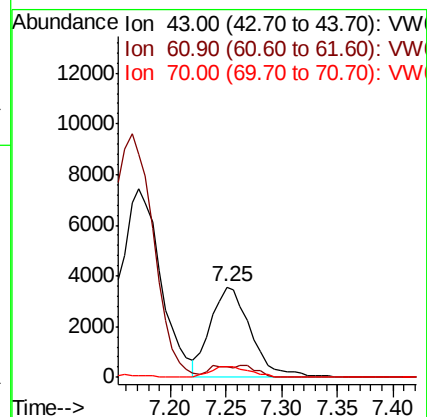
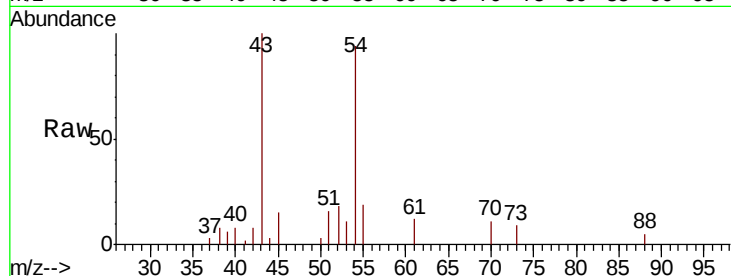
Tgt Ion: 43 Resp: 8961

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 11.5 10.0 15.0



#38

Carbon Tetrachloride

Concen: 22.065 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

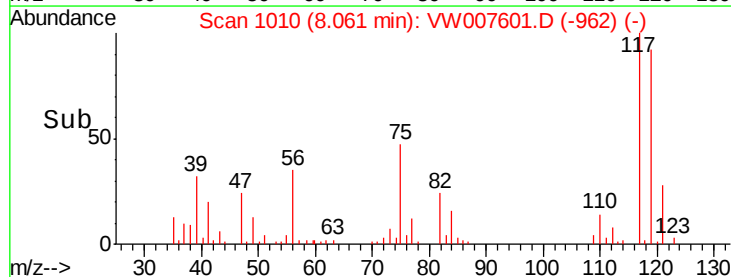
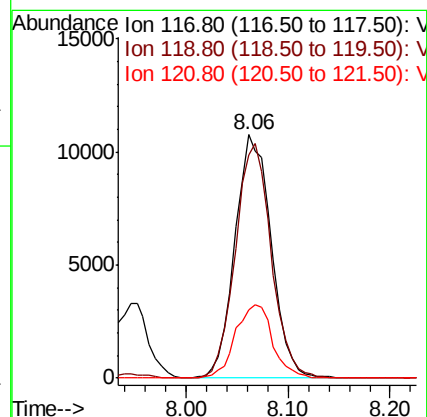
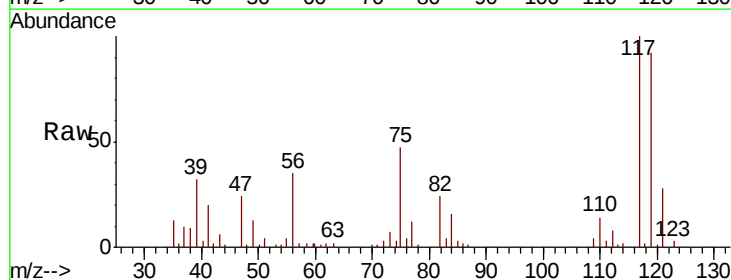
Tgt Ion: 117 Resp: 26455

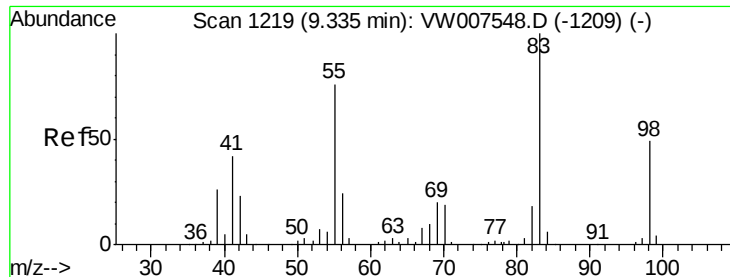
Ion Ratio Lower Upper

117 100

119 91.9 74.3 111.5

121 28.3 24.3 36.5





#39

Methylcyclohexane

Concen: 21.334 ug/l

RT: 9.33 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

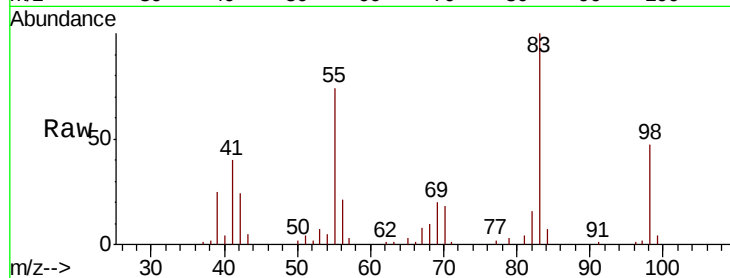
Tgt Ion: 83 Resp: 28466

Ion Ratio Lower Upper

83 100

55 74.5 62.8 94.2

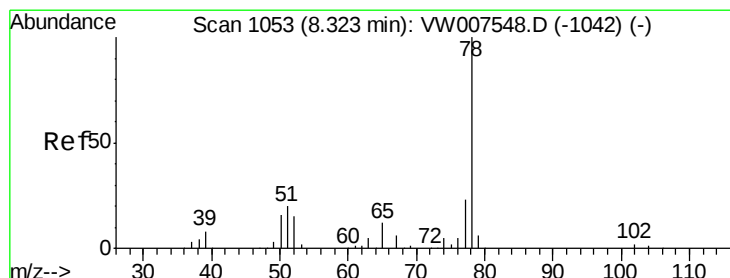
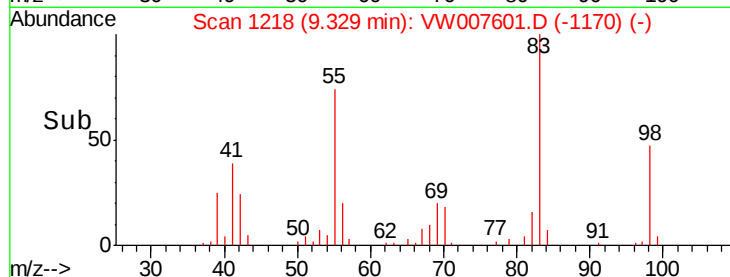
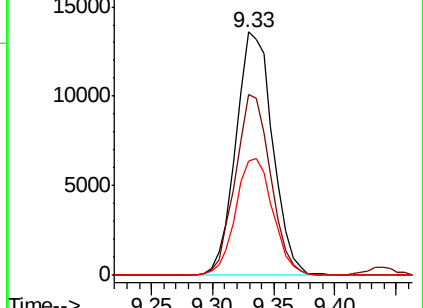
98 46.9 42.2 63.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 21.768 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007601.D

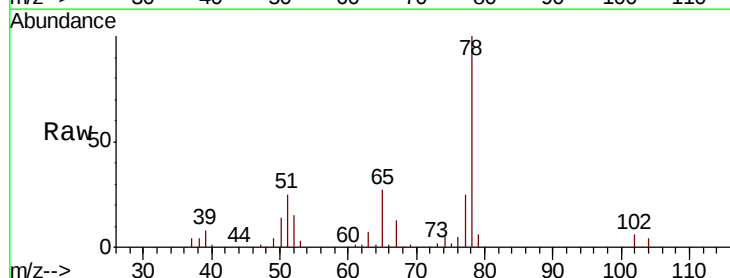
Acq: 16 Dec 2018 01:13

Tgt Ion: 78 Resp: 66564

Ion Ratio Lower Upper

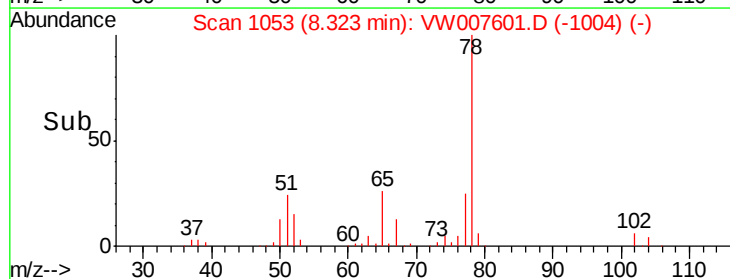
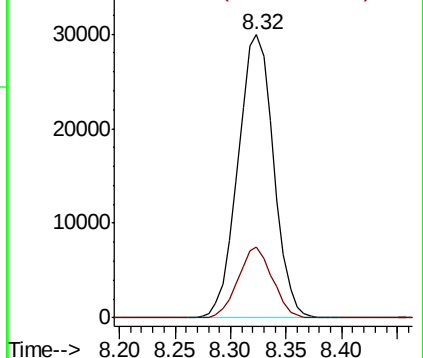
78 100

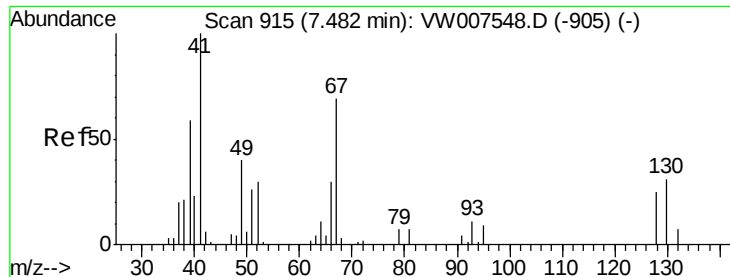
77 25.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

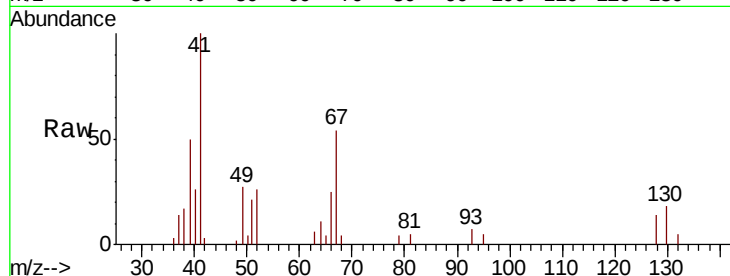




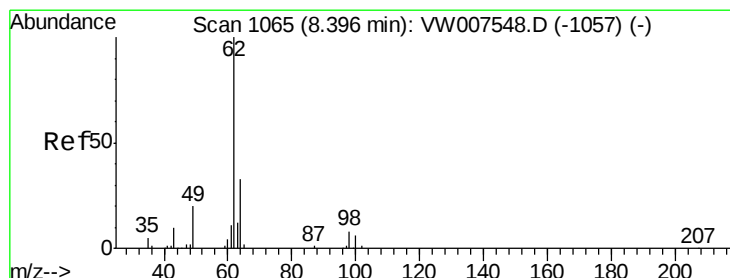
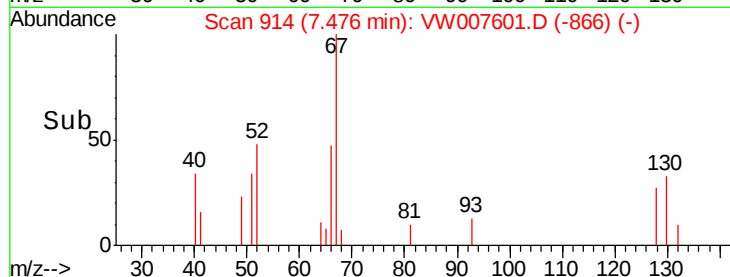
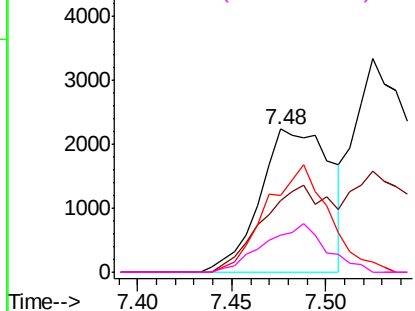
#41
Methacrylonitrile
Concen: 25.002 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

Tgt Ion:	41	Resp:	5835
Ion	Ratio	Lower	Upper
41	100		
39	59.3	52.2	78.2
67	66.5	60.5	90.7
52	29.5	25.3	37.9

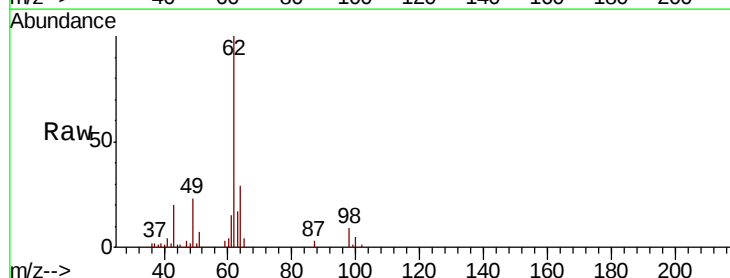


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

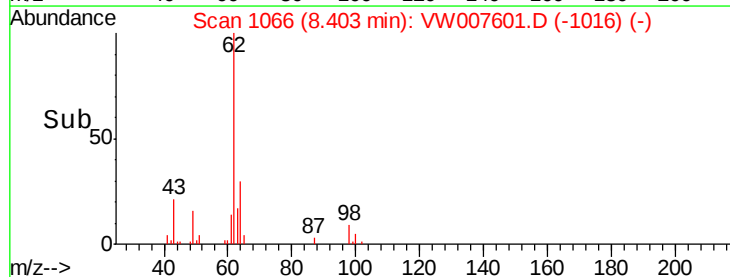
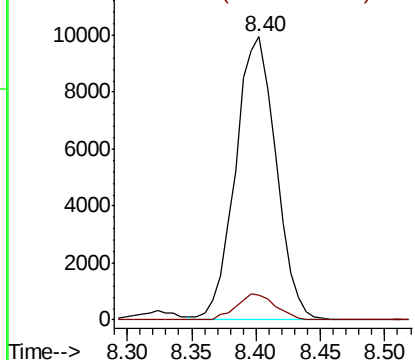


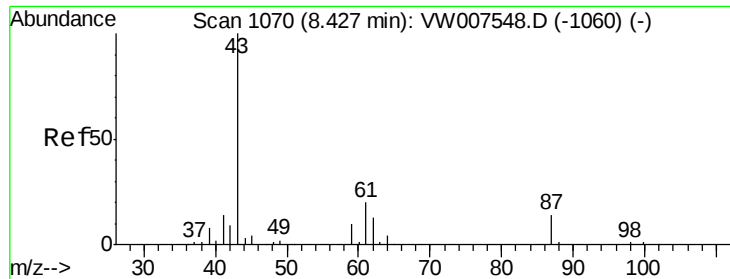
#42
1,2-Dichloroethane
Concen: 22.612 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion:	62	Resp:	21721
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 21.949 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

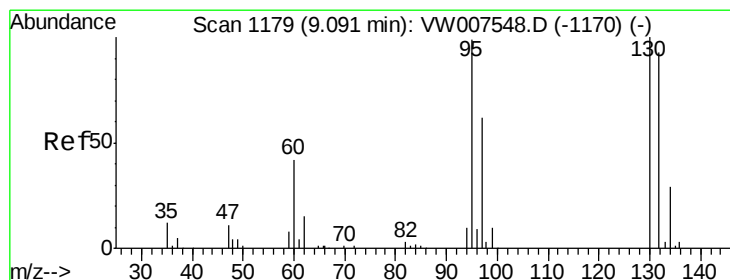
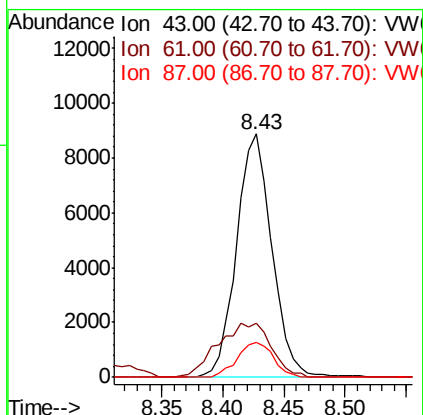
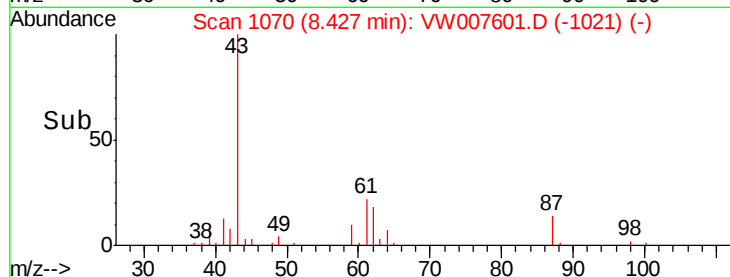
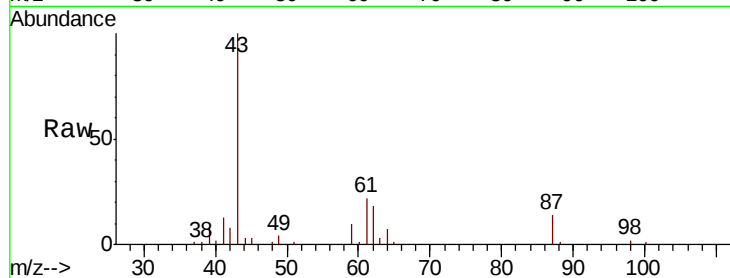
Tgt Ion: 43 Resp: 17769

Ion Ratio Lower Upper

43 100

61 33.6 25.3 37.9

87 14.6 11.8 17.8



#44

Trichloroethene

Concen: 21.666 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007601.D

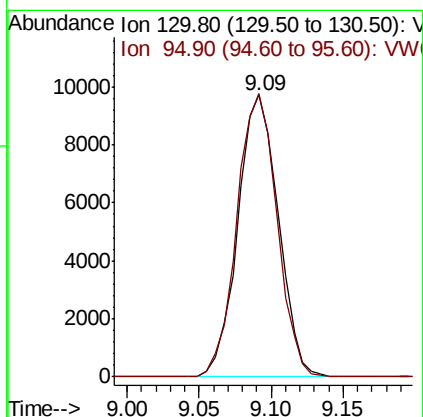
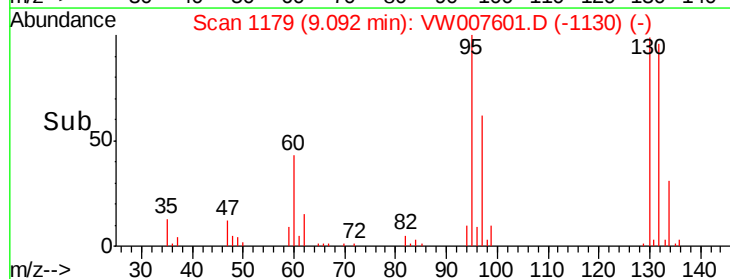
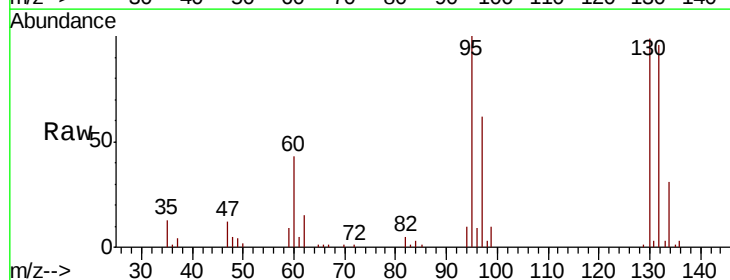
Acq: 16 Dec 2018 01:13

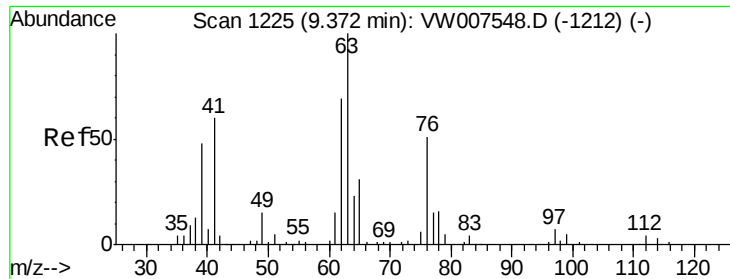
Tgt Ion: 130 Resp: 18919

Ion Ratio Lower Upper

130 100

95 100.5 0.0 193.2

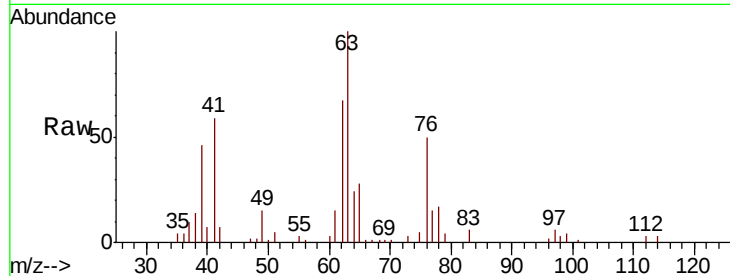




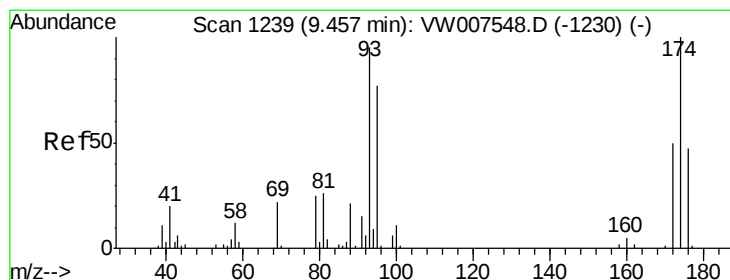
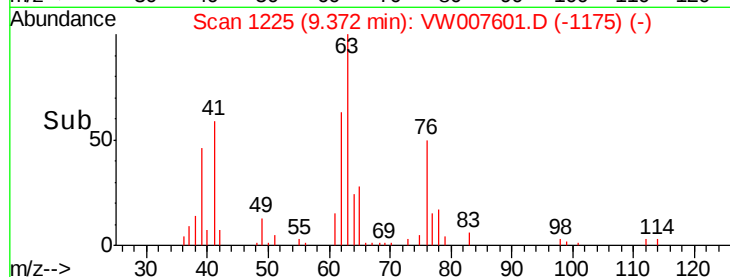
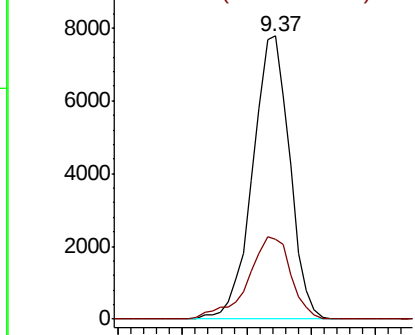
#45
 1,2-Dichloropropane
 Concen: 21.810 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

Tgt Ion: 63 Resp: 15434
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.4 36.6

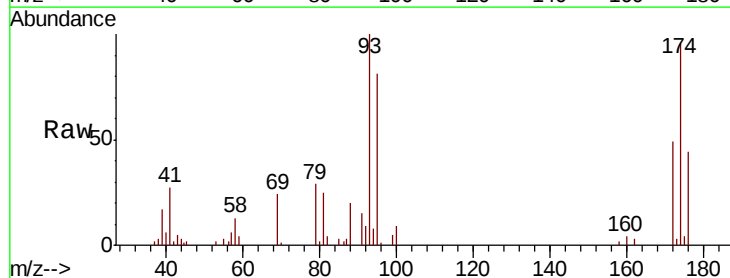


Abundance Ion 62.90 (62.60 to 63.60): VW
 Ion 64.90 (64.60 to 65.60): VW

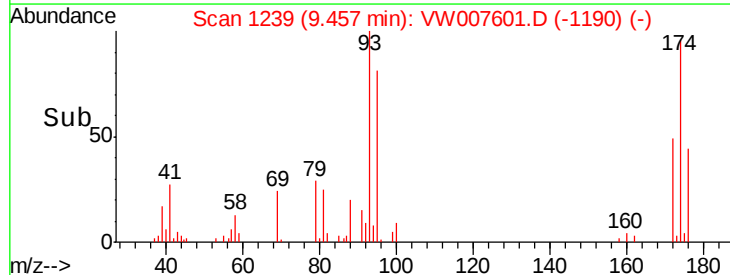
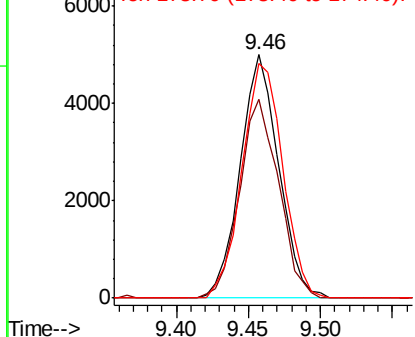


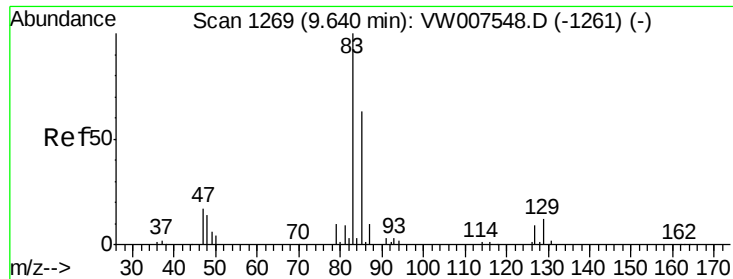
#46
 Dibromomethane
 Concen: 23.006 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 93 Resp: 9245
 Ion Ratio Lower Upper
 93 100
 95 83.1 68.0 102.0
 174 102.1 83.2 124.8



Abundance Ion 92.80 (92.50 to 93.50): VW
 Ion 94.80 (94.50 to 95.50): VW
 Ion 173.70 (173.40 to 174.40): V

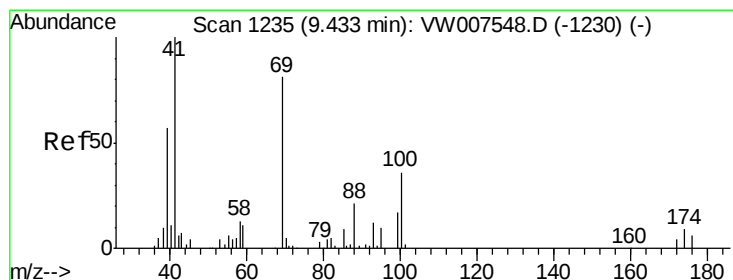
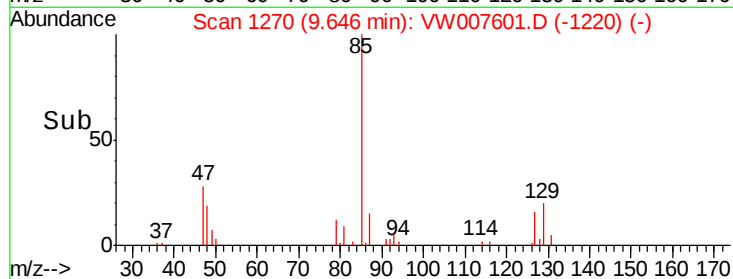
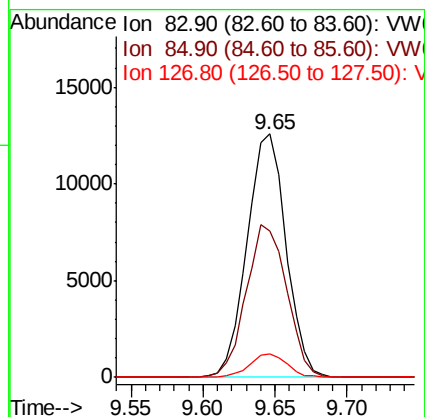
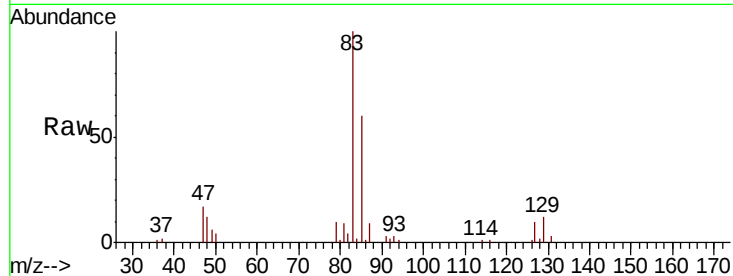




#47
 Bromodichloromethane
 Concen: 22.367 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

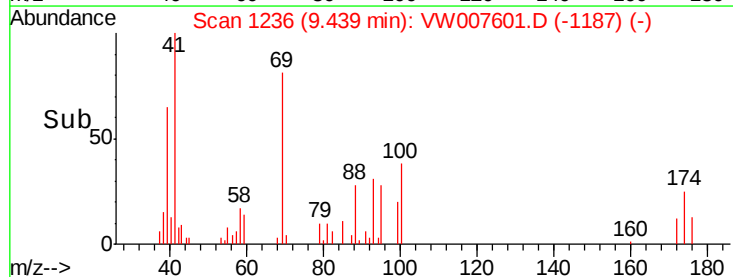
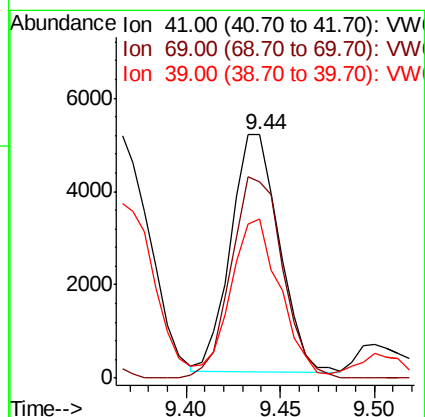
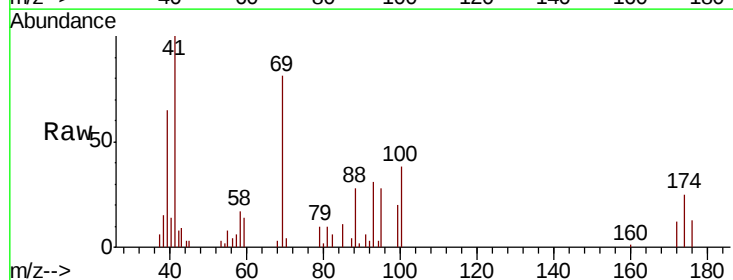
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

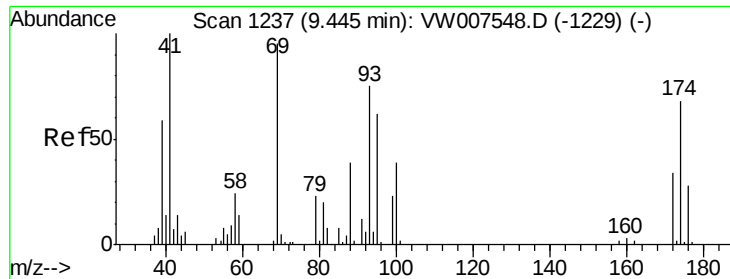
Tgt Ion: 83 Resp: 23577
 Ion Ratio Lower Upper
 83 100
 85 60.2 47.6 71.4
 127 9.9 6.7 10.1



#48
 Methyl methacrylate
 Concen: 21.820 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 41 Resp: 9072
 Ion Ratio Lower Upper
 41 100
 69 90.5 69.8 104.8
 39 64.2 50.9 76.3

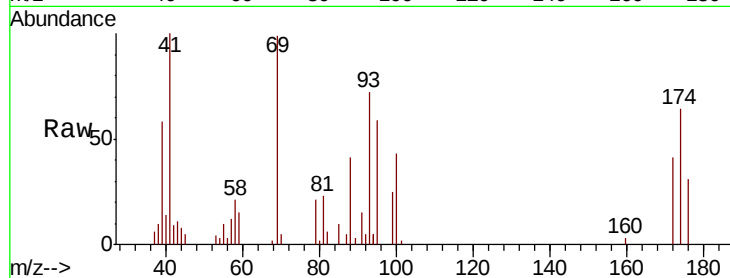




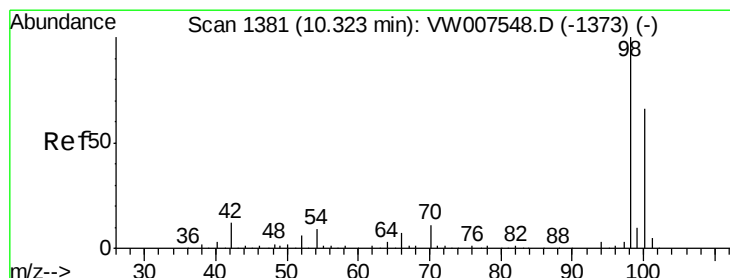
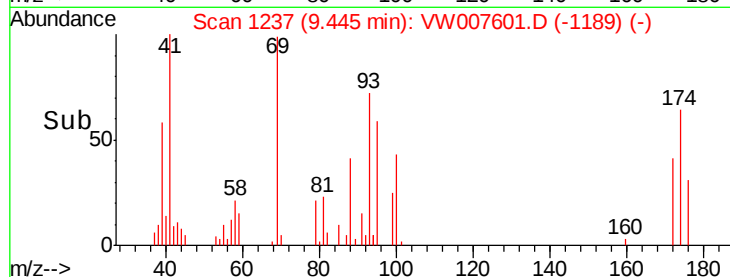
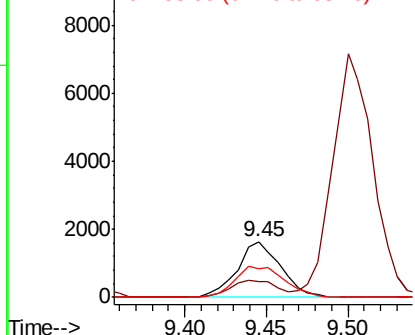
#49
1,4-Dioxane
Concen: 463.772 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBSD01

Tgt Ion: 88 Resp: 3024
Ion Ratio Lower Upper
88 100
43 31.9 25.0 37.4
58 64.2 51.4 77.2

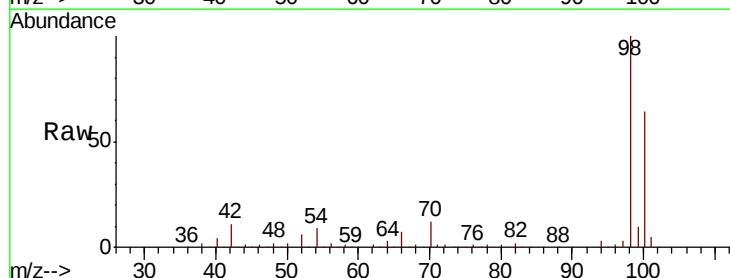


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

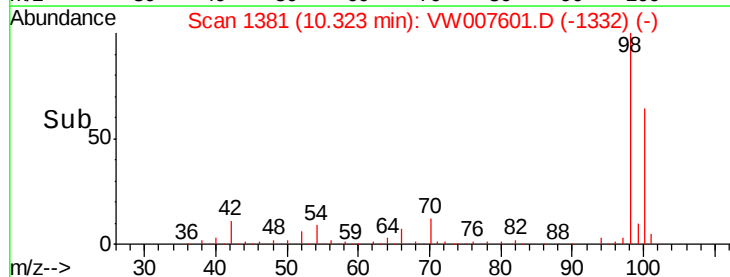
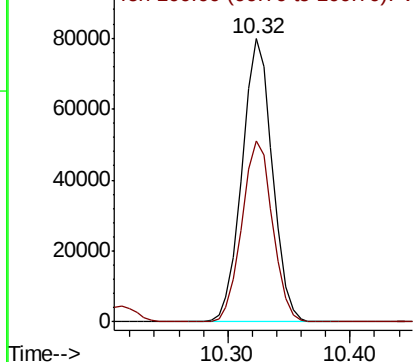


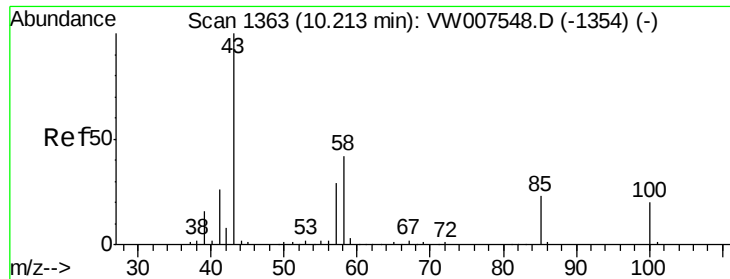
#50
Toluene-d8
Concen: 49.977 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion: 98 Resp: 137016
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

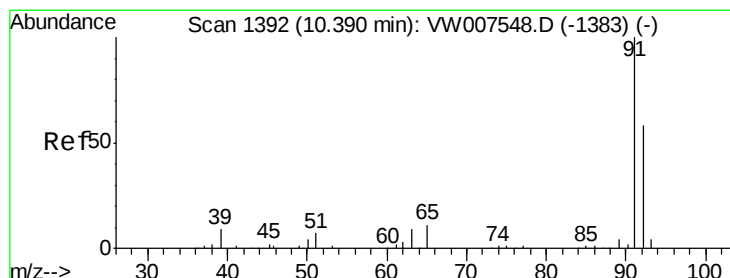
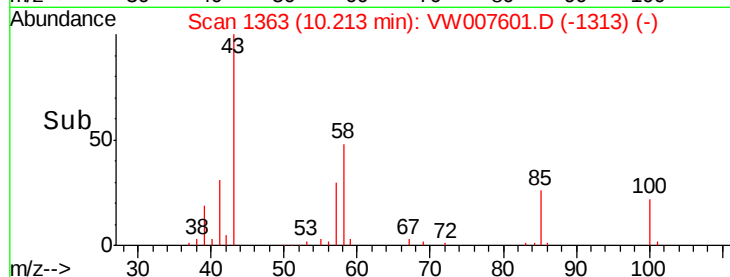
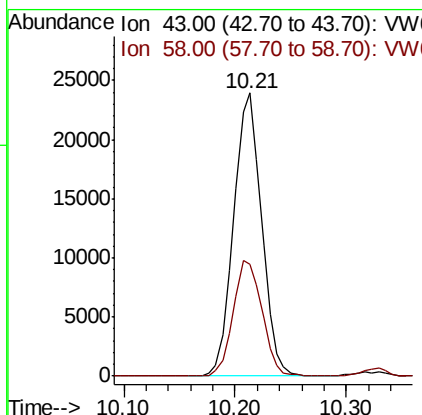
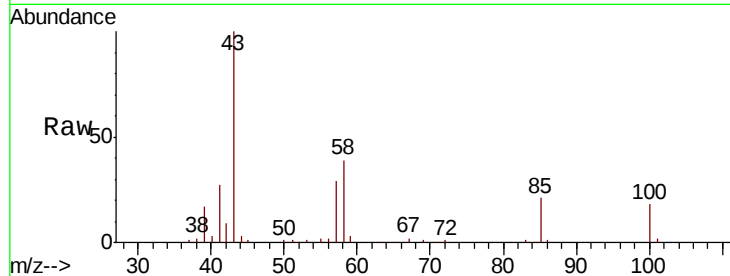




#51
 4-Methyl-2-Pentanone
 Concen: 108.745 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

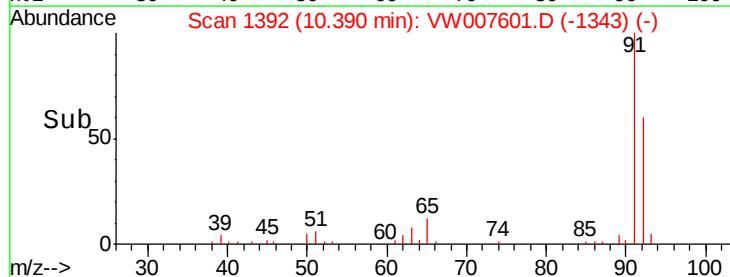
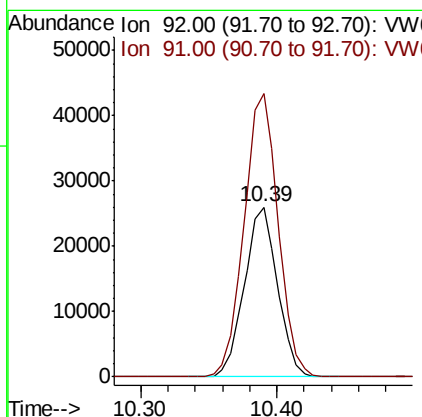
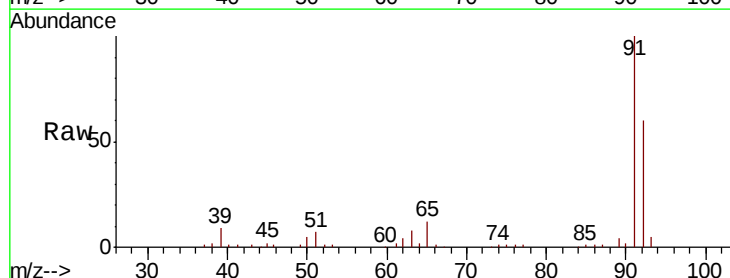
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBSD01

Tgt Ion: 43 Resp: 41596
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.1 49.7



#52
 Toluene
 Concen: 22.445 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 92 Resp: 44418
 Ion Ratio Lower Upper
 92 100
 91 170.7 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 22.593 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

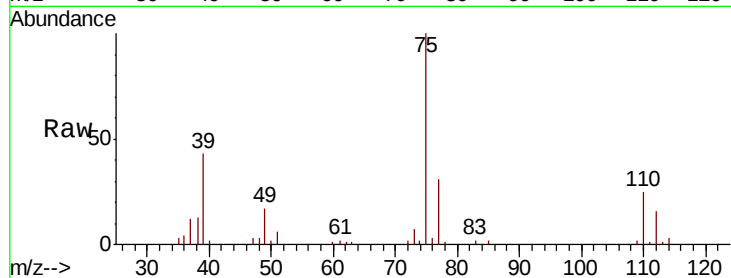
VW1218SBS01

Tgt Ion: 75 Resp: 23120

Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

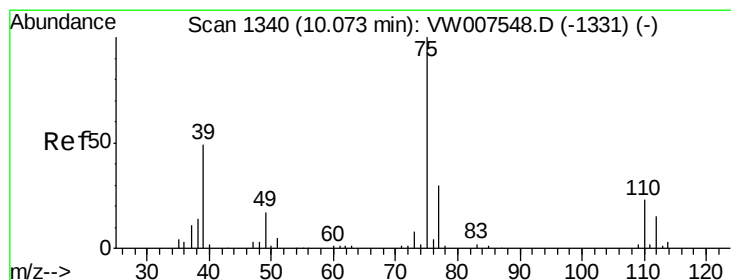
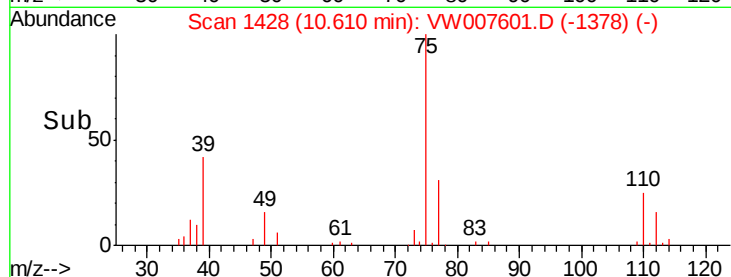
15000

10000

5000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.399 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

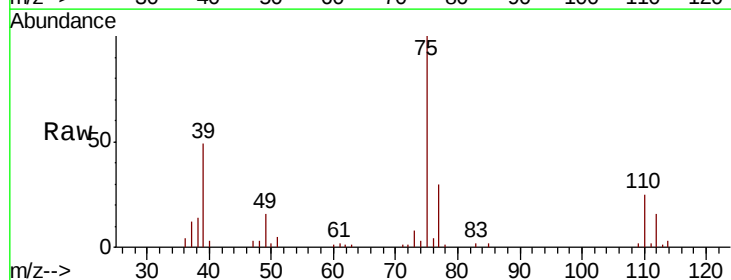
Tgt Ion: 75 Resp: 25315

Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2

39 48.9 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

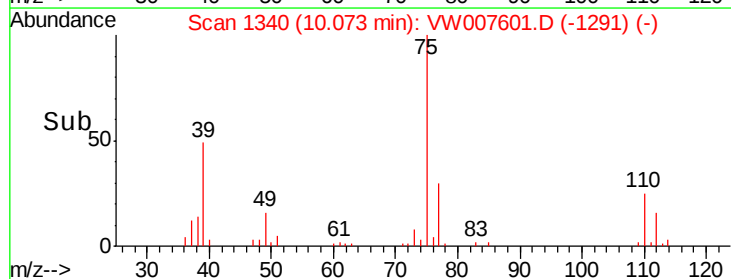
15000

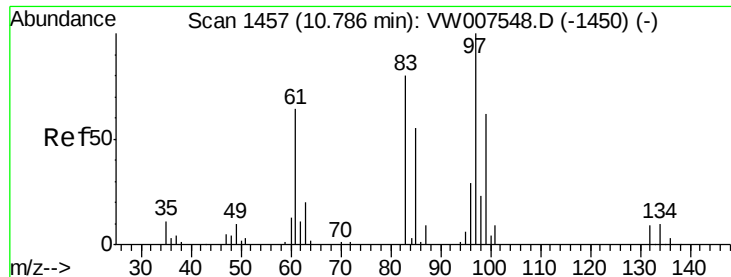
10000

5000

0

Time-->

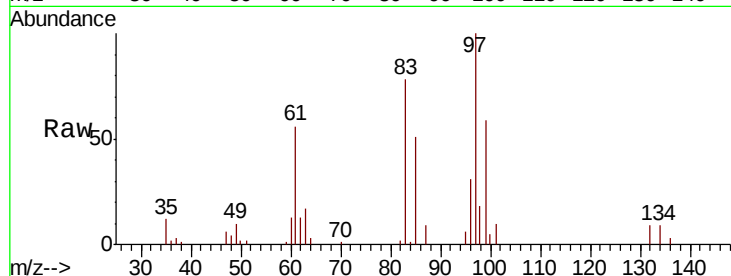




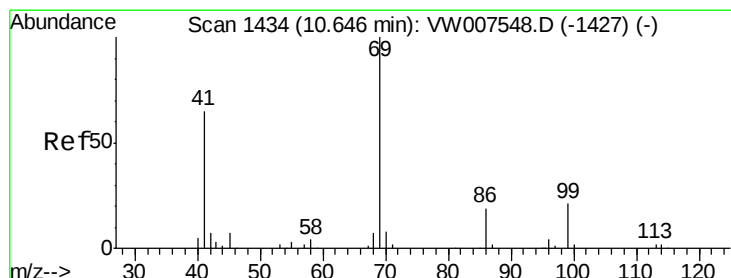
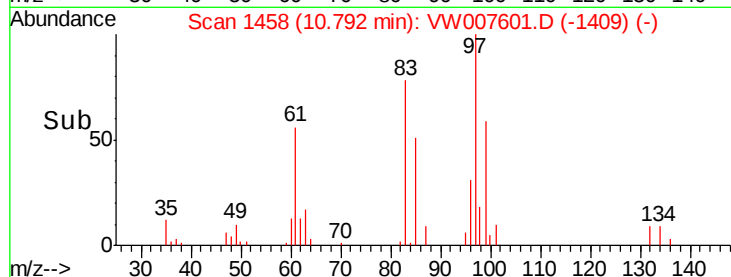
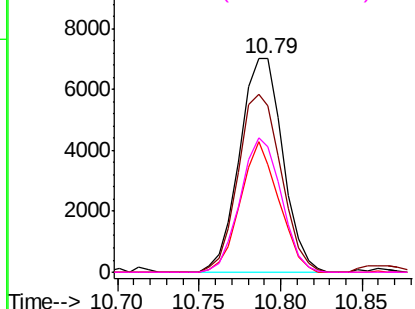
#55
 1,1,2-Trichloroethane
 Concen: 23.672 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

Tgt Ion: 97 Resp: 12947
 Ion Ratio Lower Upper
 97 100
 83 78.0 62.1 93.1
 85 50.5 44.2 66.4
 99 59.0 50.2 75.4

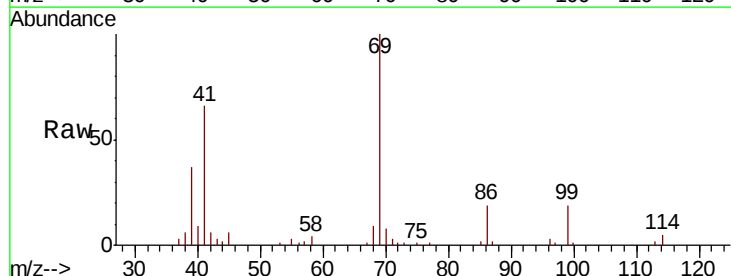


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

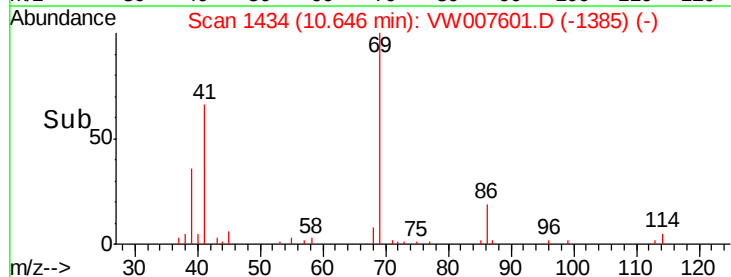
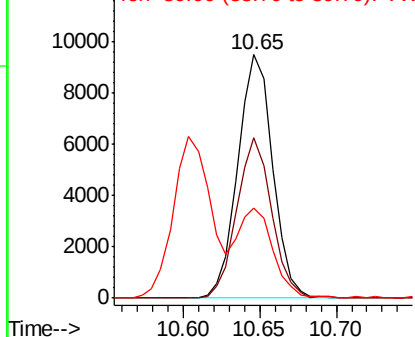


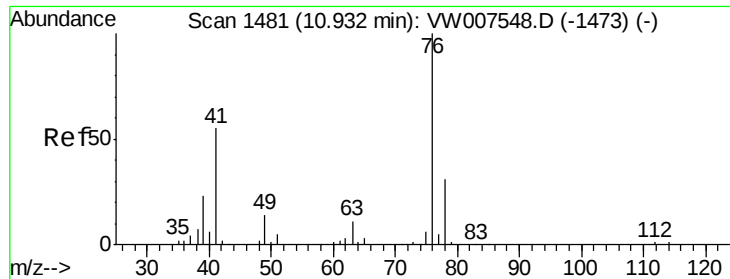
#56
 Ethyl methacrylate
 Concen: 22.964 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 69 Resp: 15096
 Ion Ratio Lower Upper
 69 100
 41 65.7 51.0 76.6
 39 37.8 30.8 46.2



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

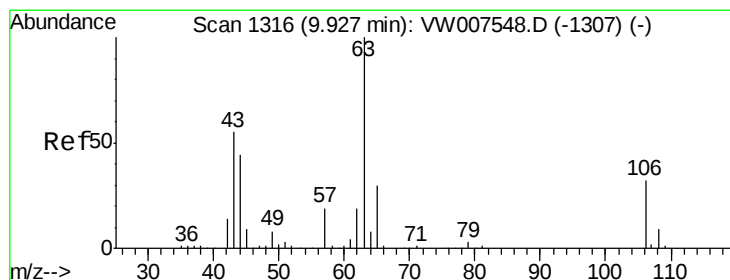
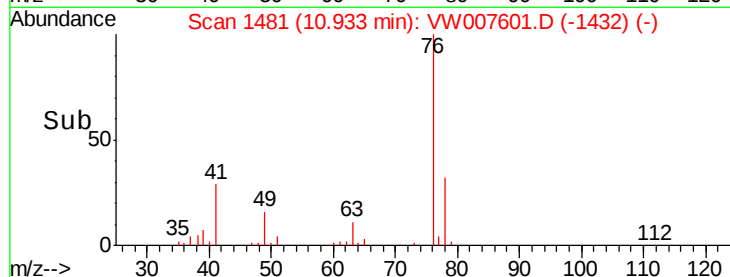
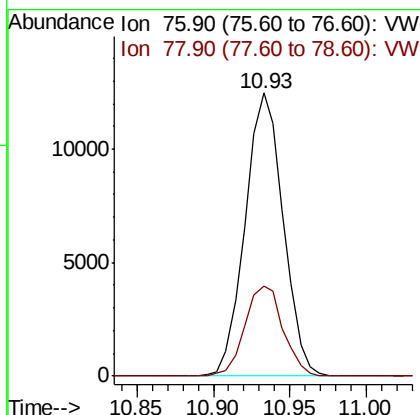
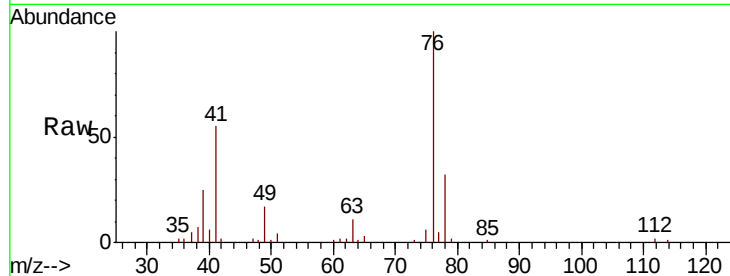




#57
 1,3-Dichloropropane
 Concen: 23.992 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

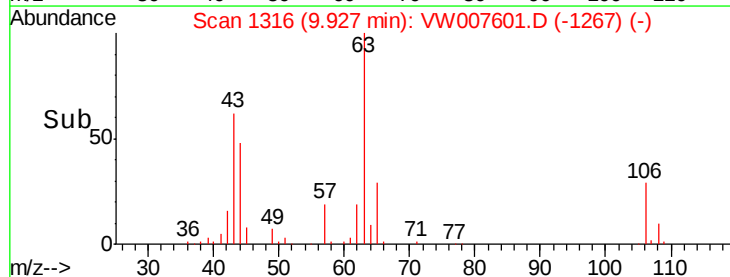
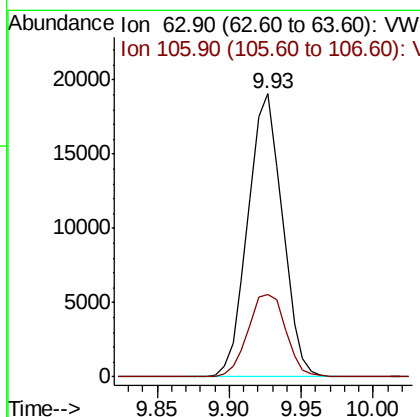
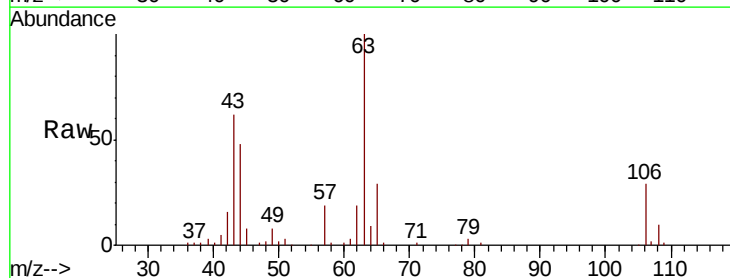
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

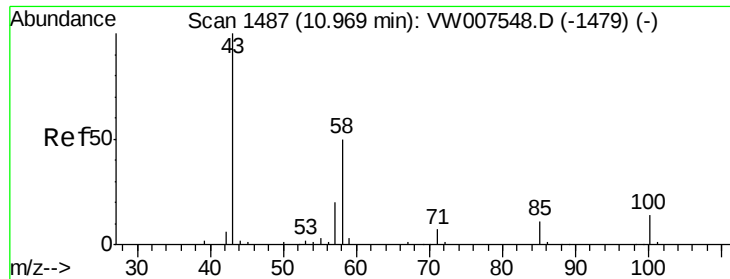
Tgt Ion: 76 Resp: 21538
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.439 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 63 Resp: 31661
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.0 37.6

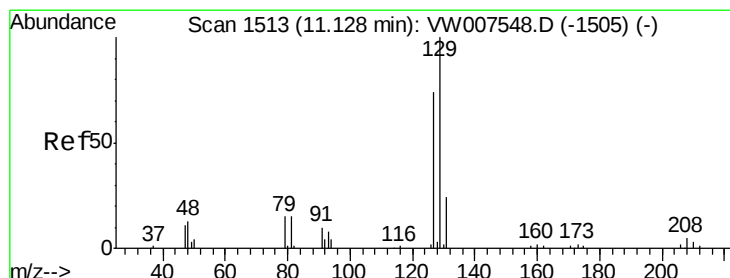
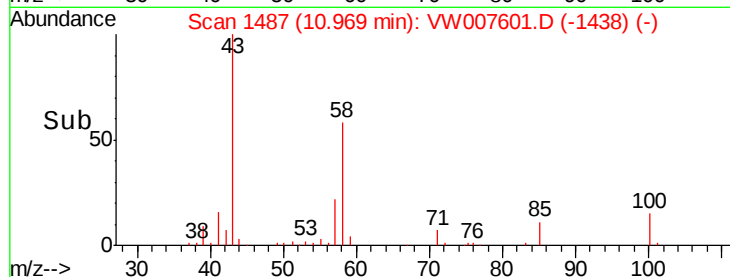
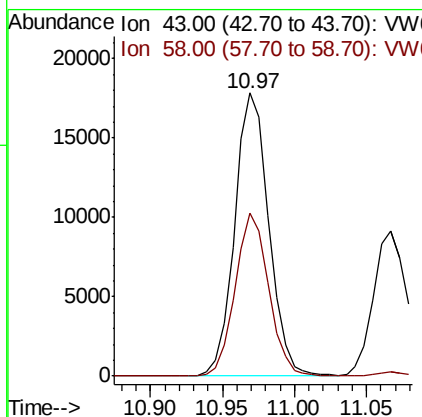
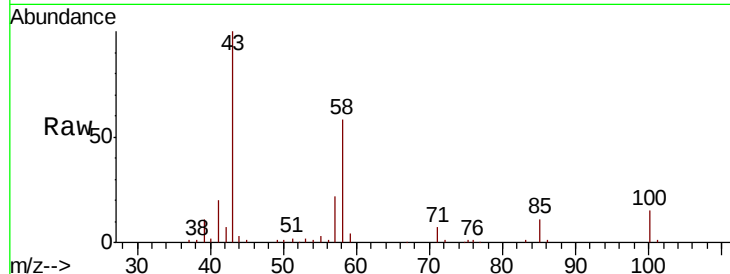




#59
2-Hexanone
Concen: 115.014 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

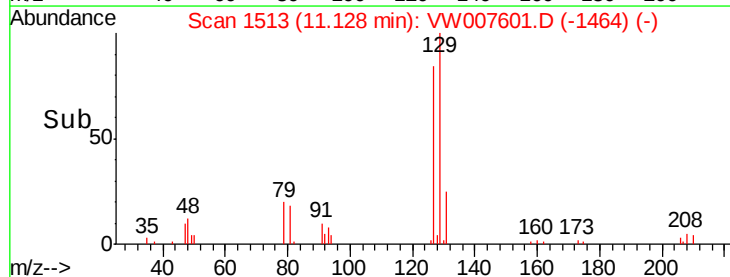
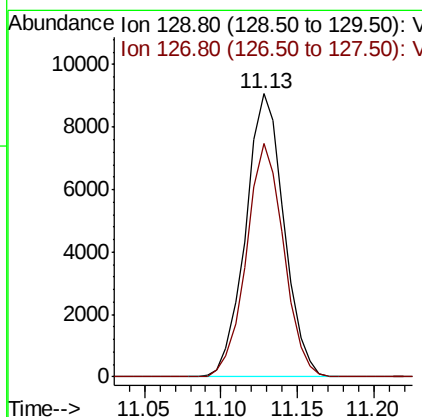
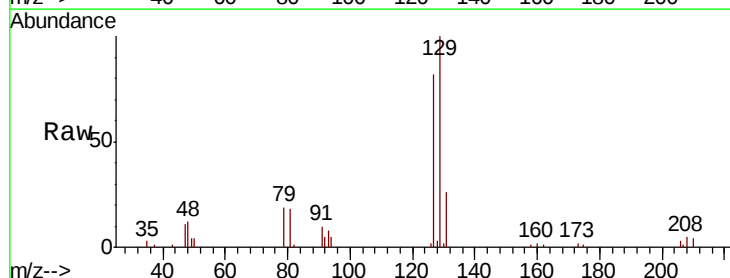
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

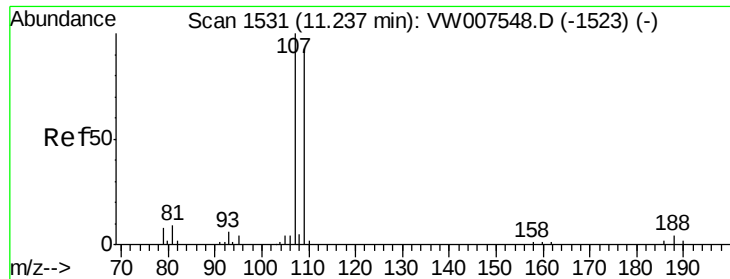
Tgt Ion: 43 Resp: 29335
Ion Ratio Lower Upper
43 100
58 56.6 27.1 81.3



#60
Dibromochloromethane
Concen: 22.877 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion: 129 Resp: 15790
Ion Ratio Lower Upper
129 100
127 80.2 38.1 114.3





#61

1,2-Dibromoethane

Concen: 23.584 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

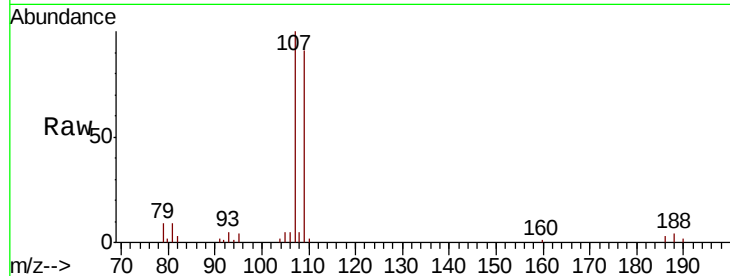
VW1218SBS01

Tgt Ion:107 Resp: 12747

Ion Ratio Lower Upper

107 100

109 94.5 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

6000

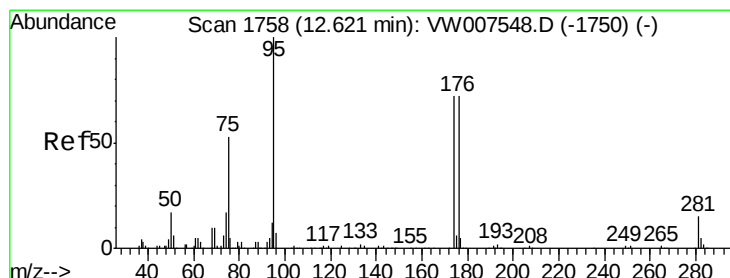
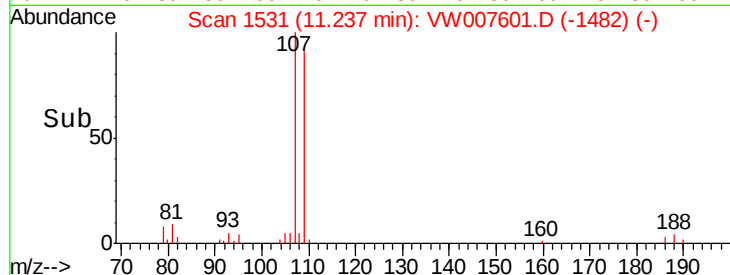
4000

2000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 51.600 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

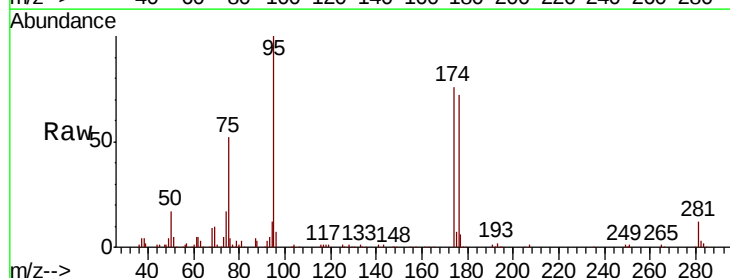
Tgt Ion: 95 Resp: 52013

Ion Ratio Lower Upper

95 100

174 76.3 0.0 147.2

176 73.4 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

30000

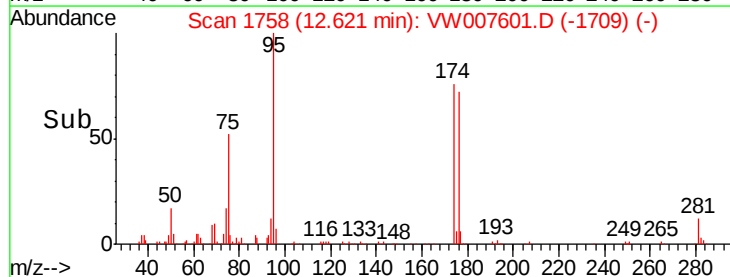
20000

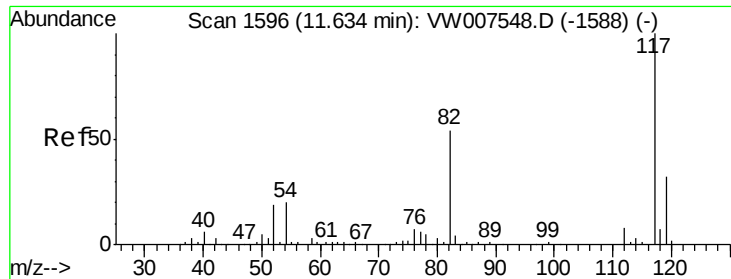
10000

0

Time-->

12.55 12.60 12.65 12.70

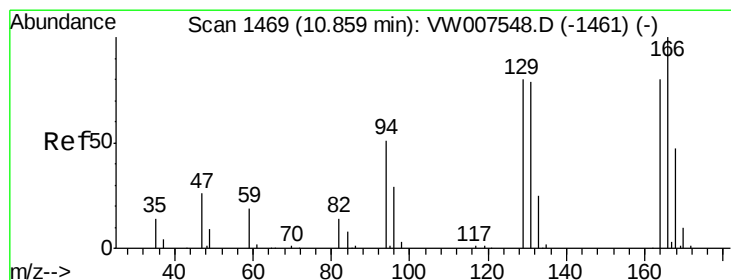
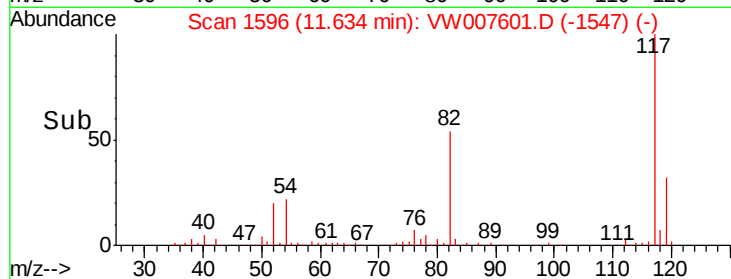
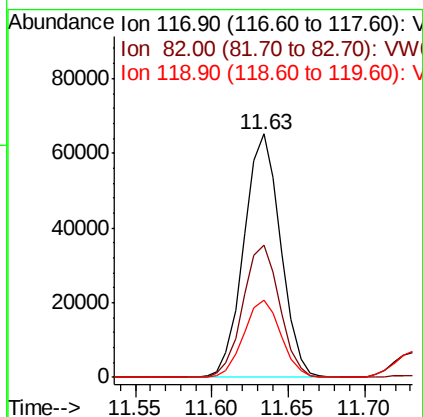
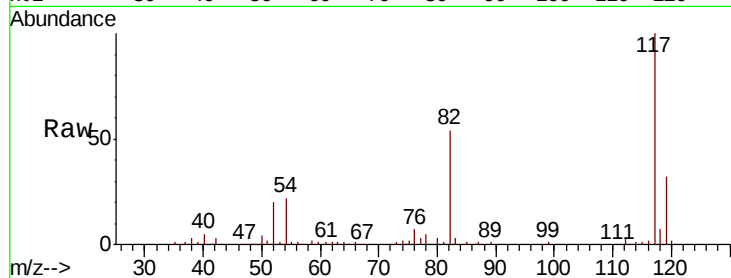




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

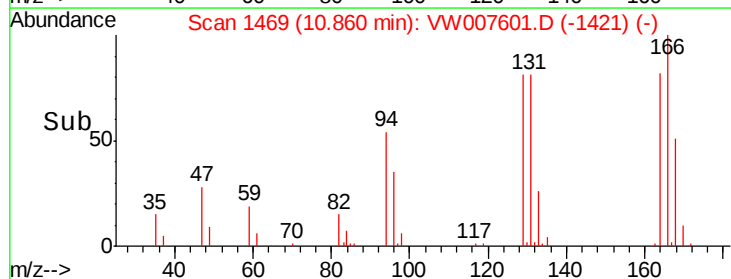
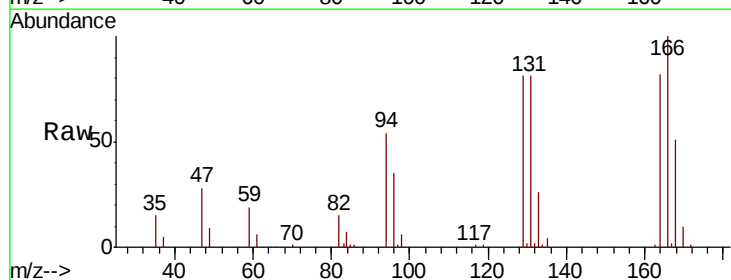
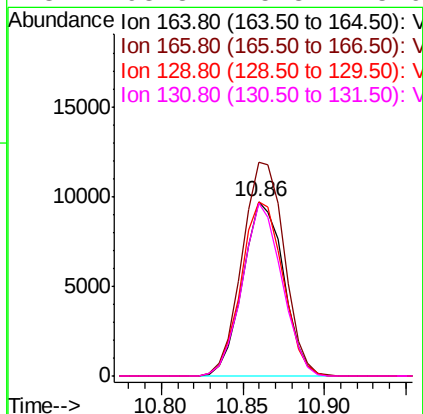
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBSD01

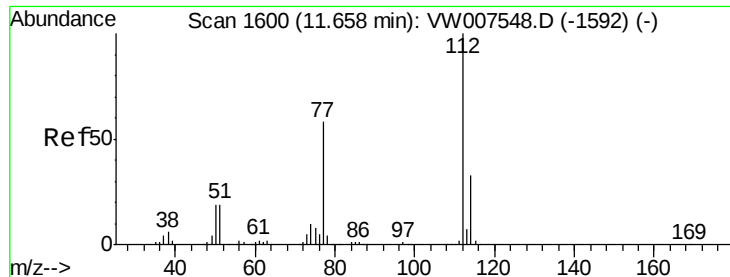
Tgt Ion:117 Resp: 108411
Ion Ratio Lower Upper
117 100
82 54.2 42.3 63.5
119 32.0 23.0 34.6



#64
Tetrachloroethene
Concen: 21.672 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion:164 Resp: 16896
Ion Ratio Lower Upper
164 100
166 122.3 107.9 161.9
129 99.5 73.4 110.2
131 98.8 75.8 113.6

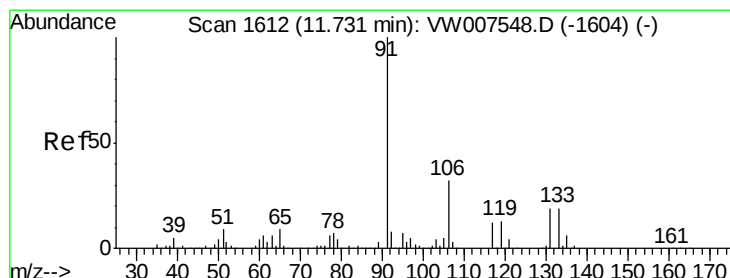
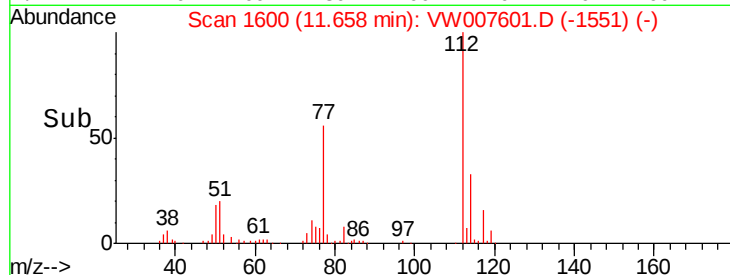
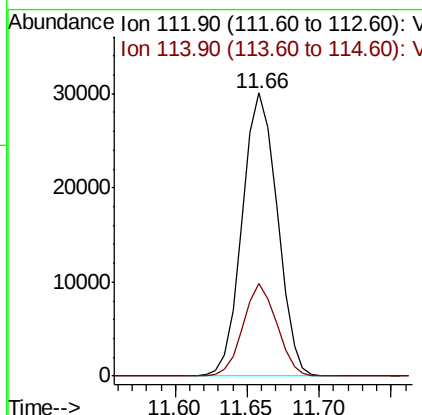
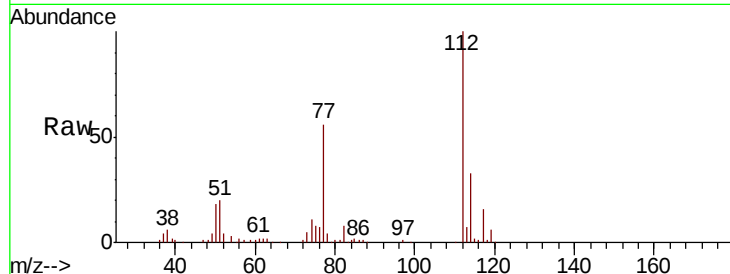




#65
Chlorobenzene
Concen: 22.492 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

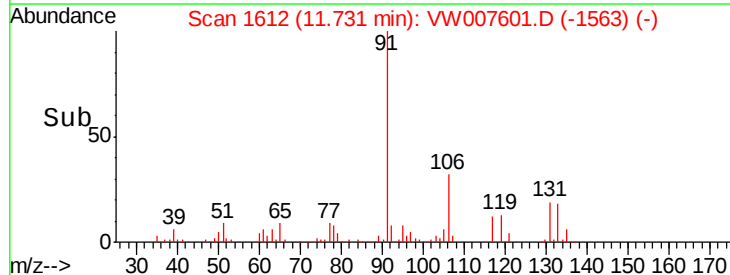
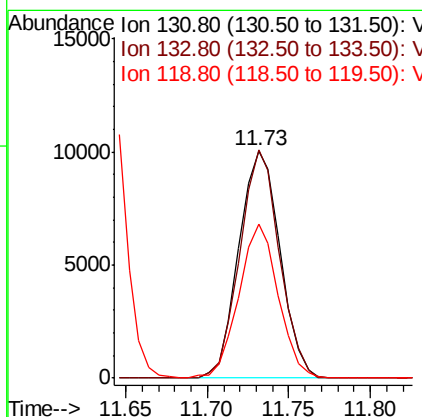
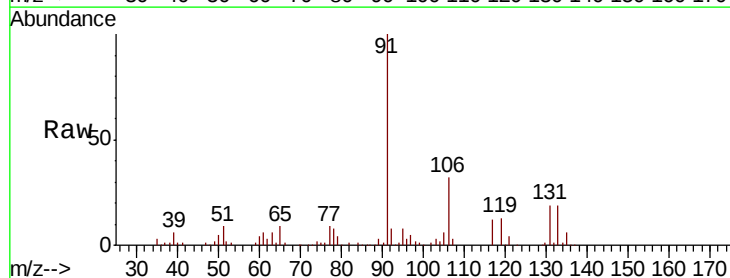
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

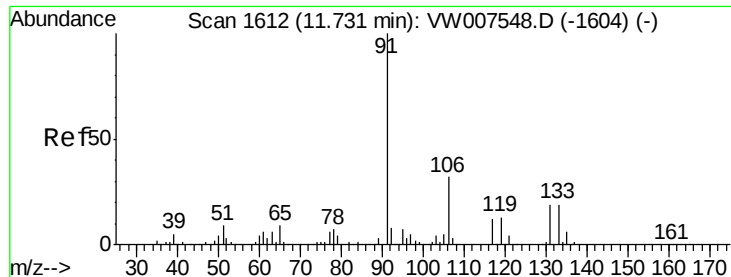
Tgt Ion:112 Resp: 50824
Ion Ratio Lower Upper
112 100
114 32.7 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.125 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion:131 Resp: 17608
Ion Ratio Lower Upper
131 100
133 96.6 47.1 141.4
119 64.8 31.3 93.9

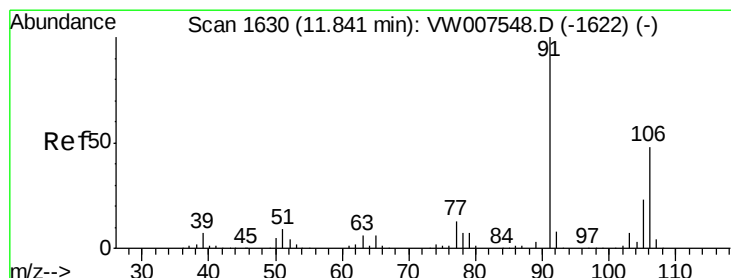
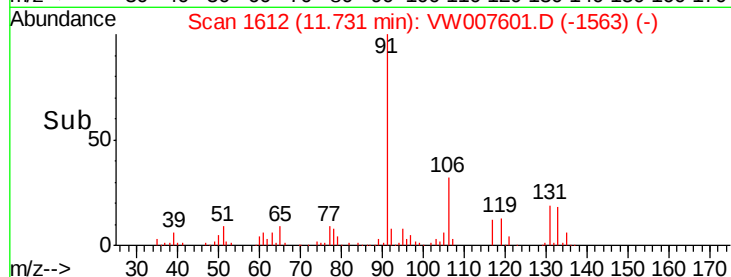
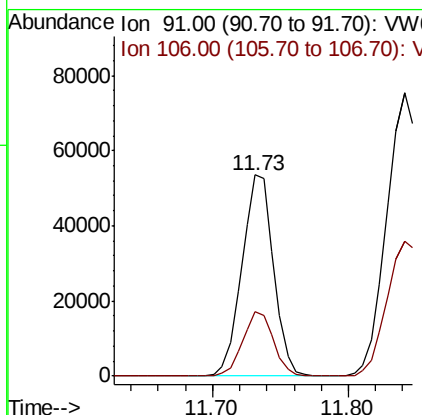
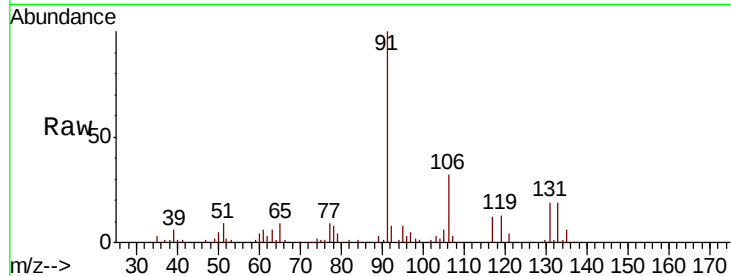




#67
Ethyl Benzene
Concen: 22.420 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

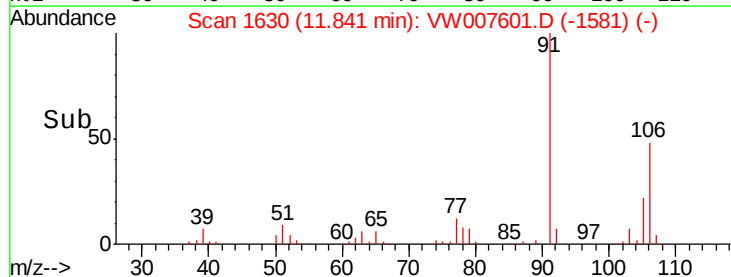
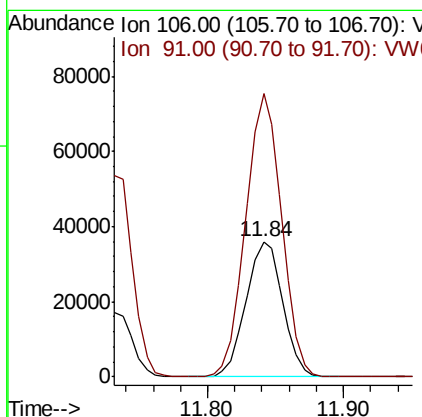
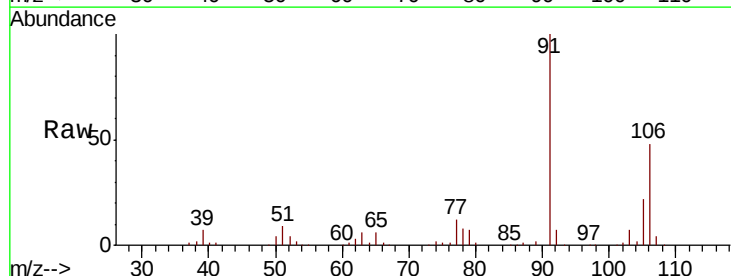
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBSD01

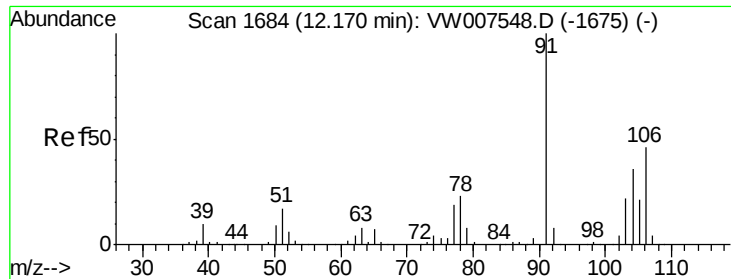
Tgt Ion: 91 Resp: 87102
Ion Ratio Lower Upper
91 100
106 31.8 21.8 32.8



#68
m/p-Xylenes
Concen: 45.137 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion: 106 Resp: 68170
Ion Ratio Lower Upper
106 100
91 204.2 165.3 247.9

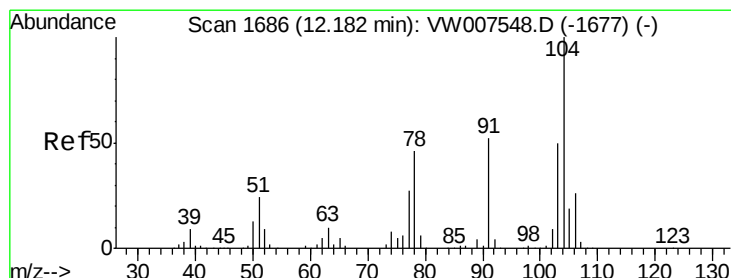
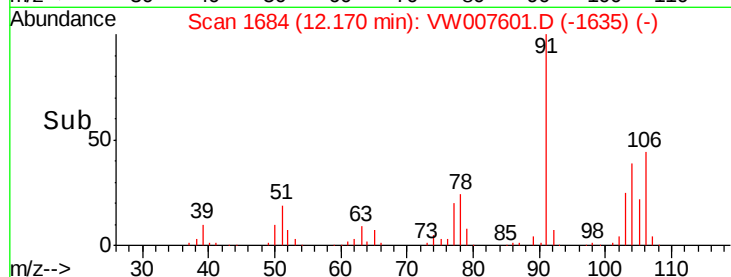
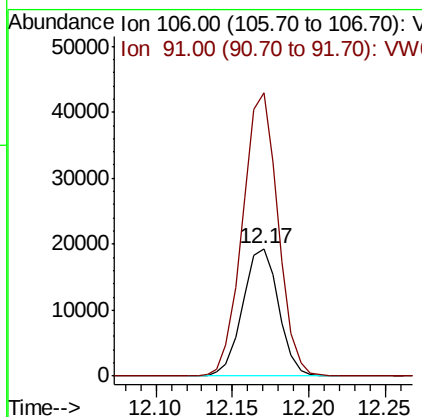
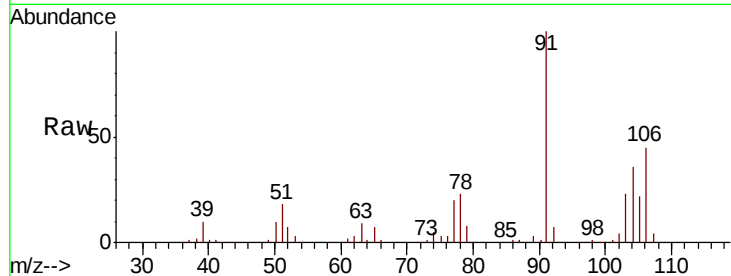




#69
o-Xylene
Concen: 22.361 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

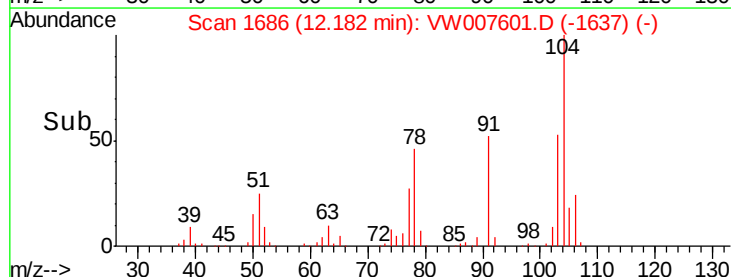
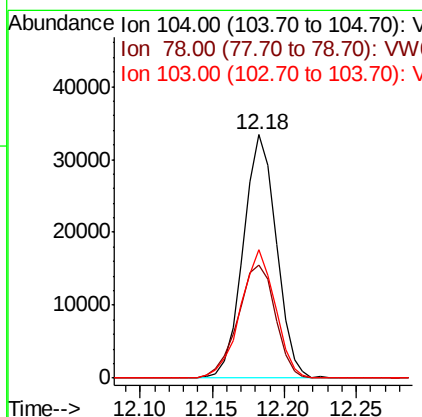
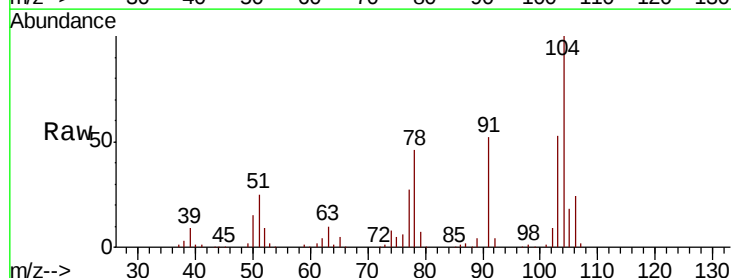
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBS01

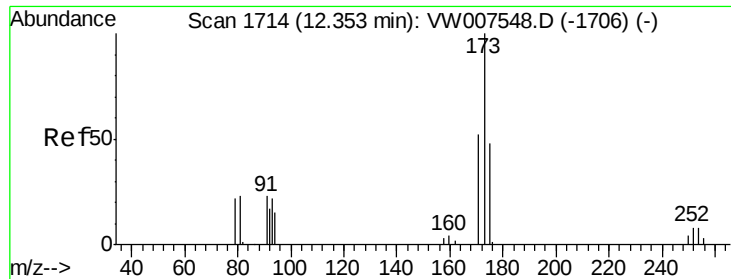
Tgt Ion:106 Resp: 31541
Ion Ratio Lower Upper
106 100
91 219.2 106.6 319.8



#70
Styrene
Concen: 23.341 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion:104 Resp: 53178
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 55.3 46.6 69.8





#71

Bromoform

Concen: 22.556 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

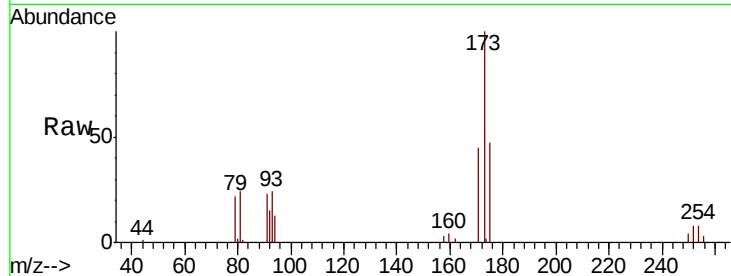
Tgt Ion:173 Resp: 9188

Ion Ratio Lower Upper

173 100

175 48.3 23.6 70.8

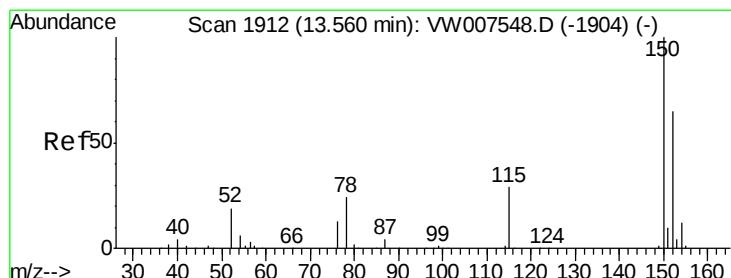
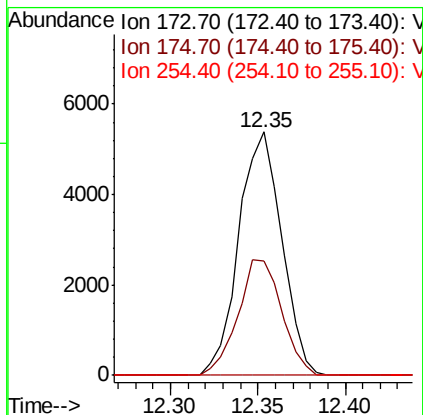
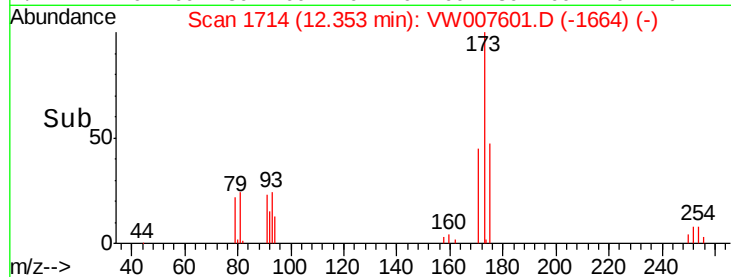
254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

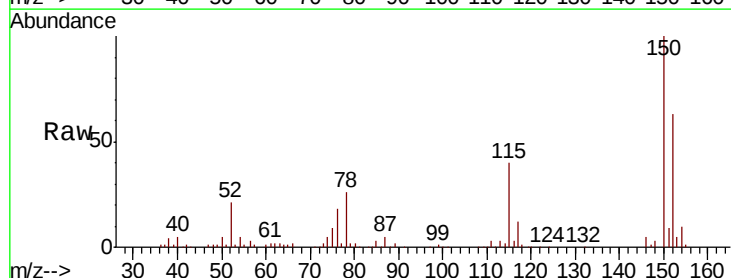
Tgt Ion:152 Resp: 55288

Ion Ratio Lower Upper

152 100

115 61.8 31.4 94.2

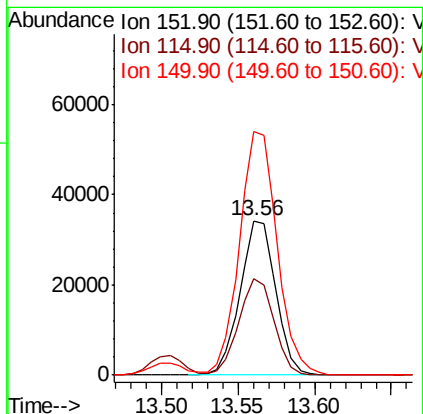
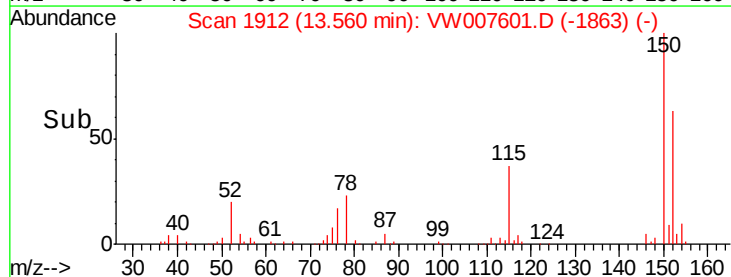
150 166.6 0.0 358.4

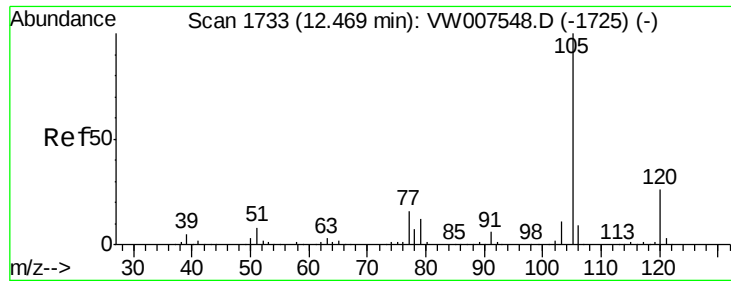


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.806 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

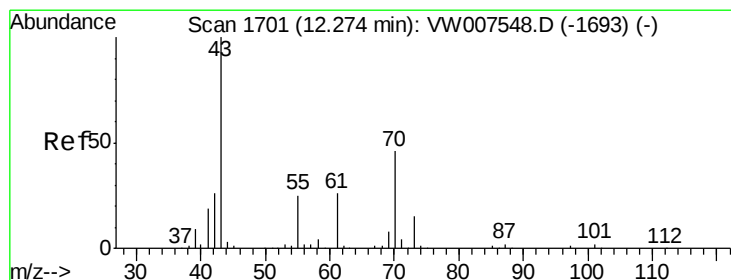
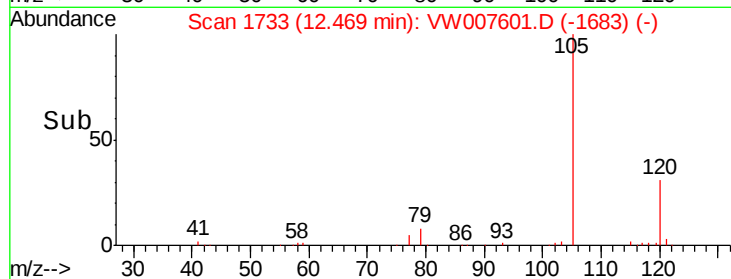
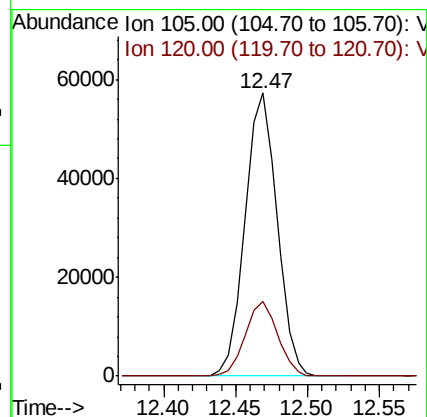
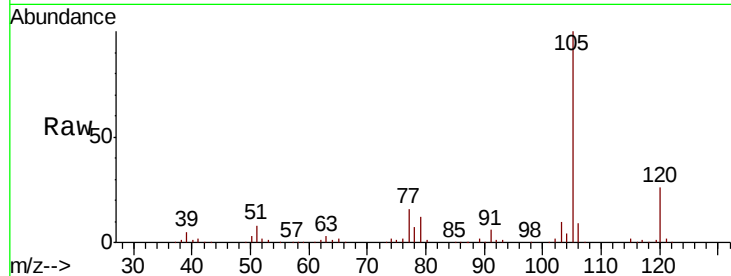
VW1218SBSD01

Tgt Ion:105 Resp: 88143

Ion Ratio Lower Upper

105 100

120 26.8 12.8 38.4



#74

N-ethyl acetate

Concen: 21.572 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Tgt Ion: 43 Resp: 16609

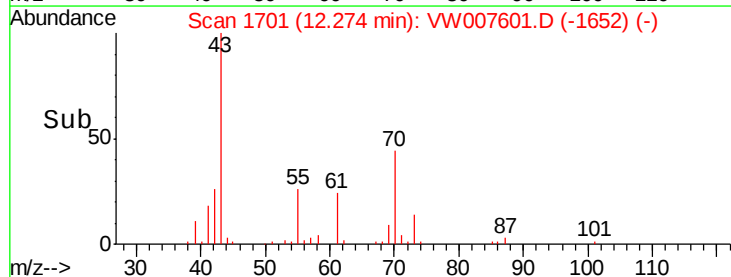
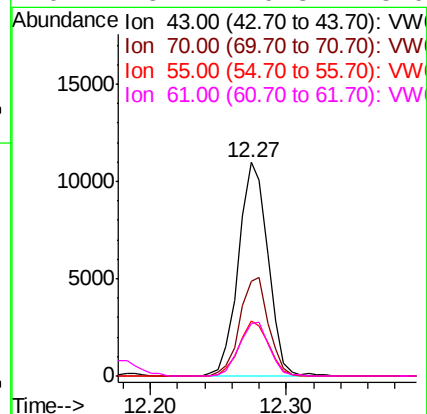
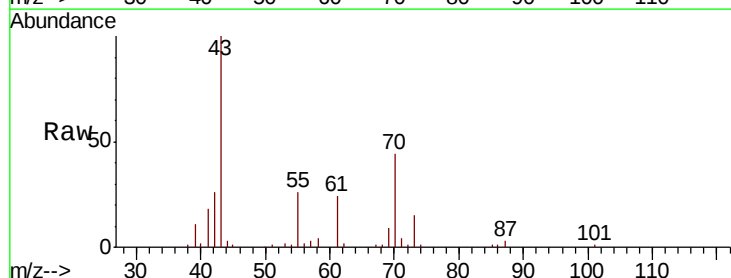
Ion Ratio Lower Upper

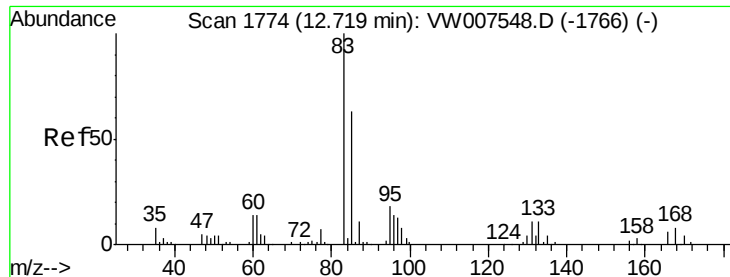
43 100

70 44.9 36.5 54.7

55 25.6 20.1 30.1

61 25.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.871 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampled :

VW1218SBSD01

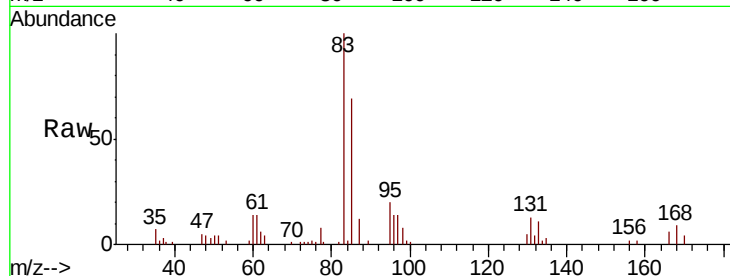
Tgt Ion: 83 Resp: 13723

Ion Ratio Lower Upper

83 100

131 13.1 5.9 17.8

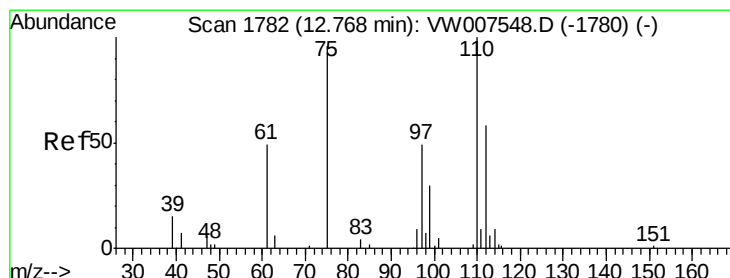
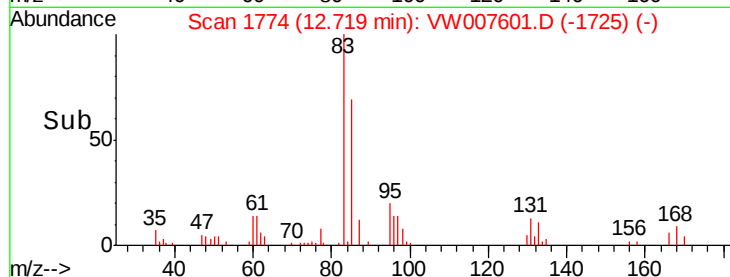
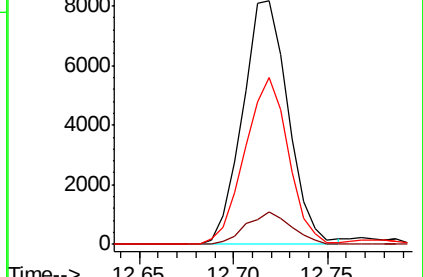
85 65.3 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 42.635 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007601.D

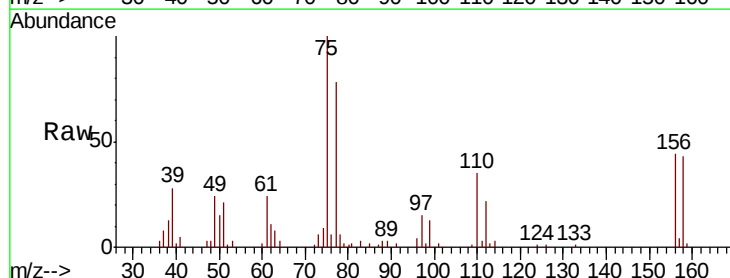
Acq: 16 Dec 2018 01:13

Tgt Ion: 75 Resp: 19436

Ion Ratio Lower Upper

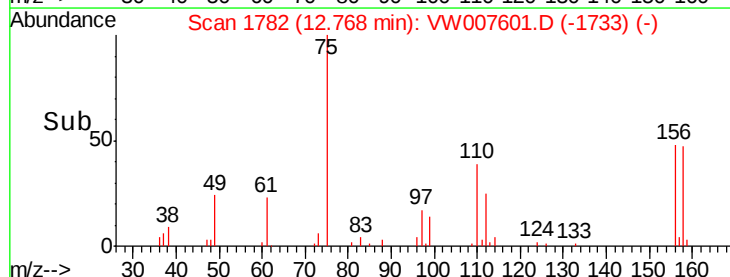
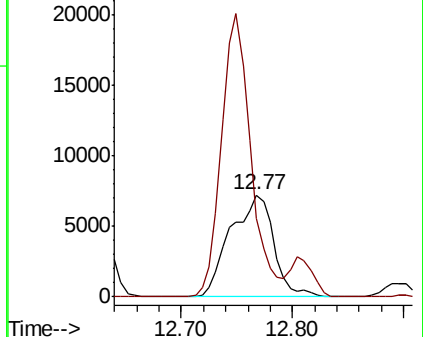
75 100

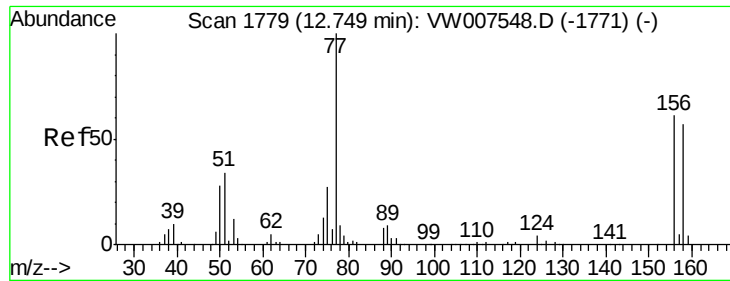
77 189.9 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.329 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

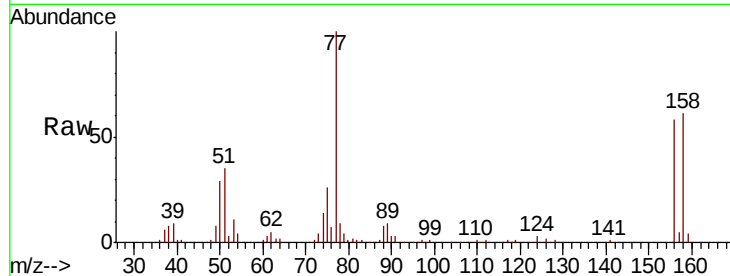
Tgt Ion:156 Resp: 20029

Ion Ratio Lower Upper

156 100

77 184.3 88.1 264.4

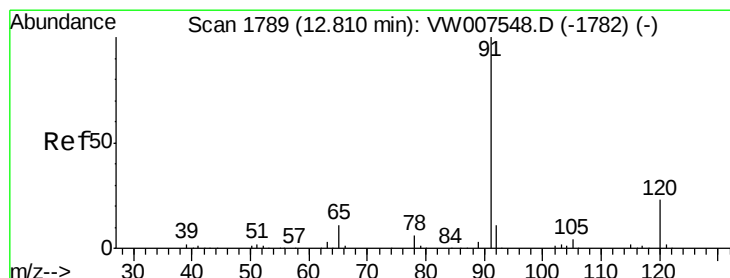
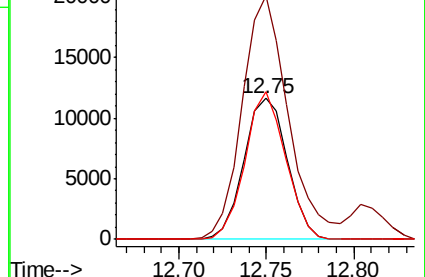
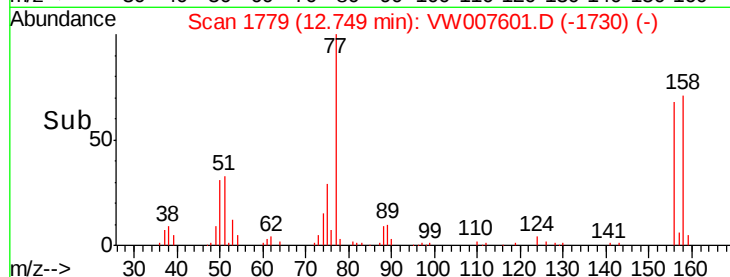
158 97.7 45.6 136.7



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: 21.850 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007601.D

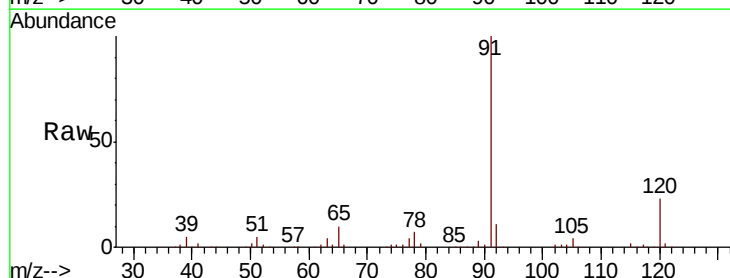
Acq: 16 Dec 2018 01:13

Tgt Ion: 91 Resp: 104171

Ion Ratio Lower Upper

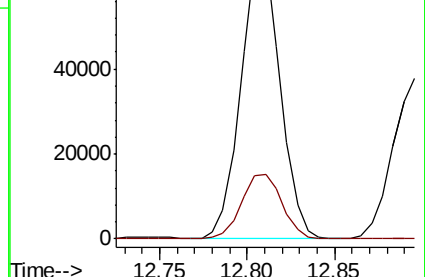
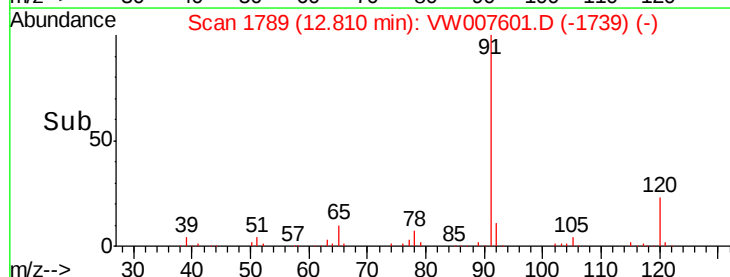
91 100

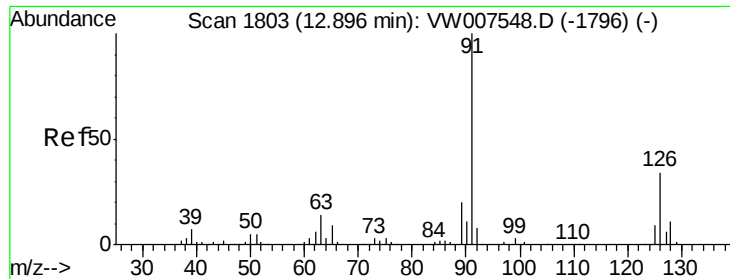
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

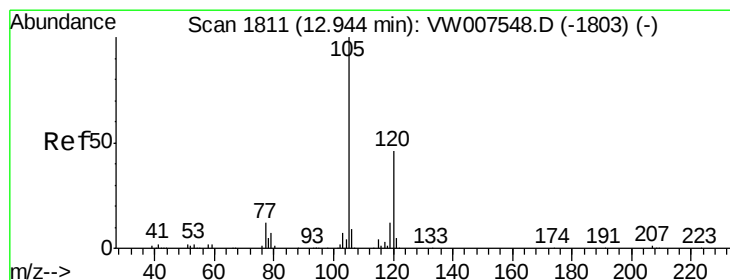
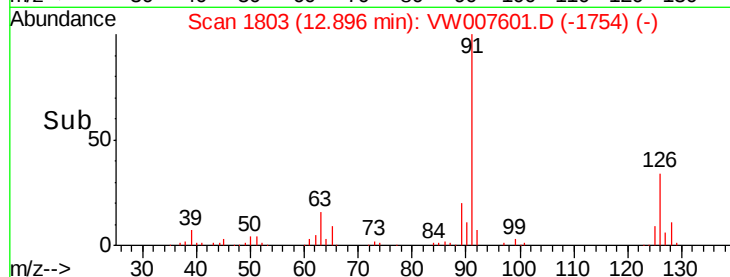
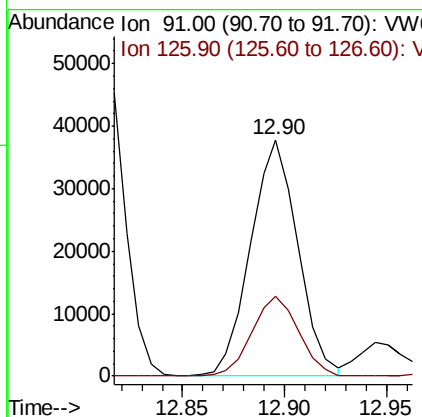
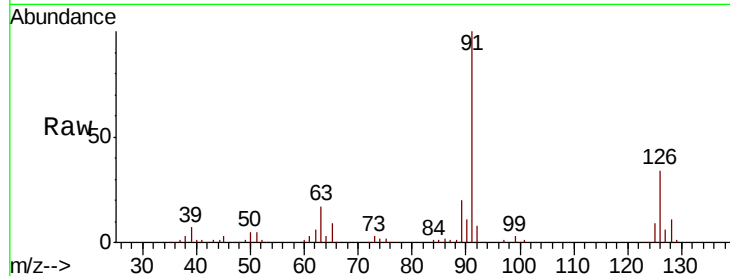




#79
 2-Chlorotoluene
 Concen: 21.133 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

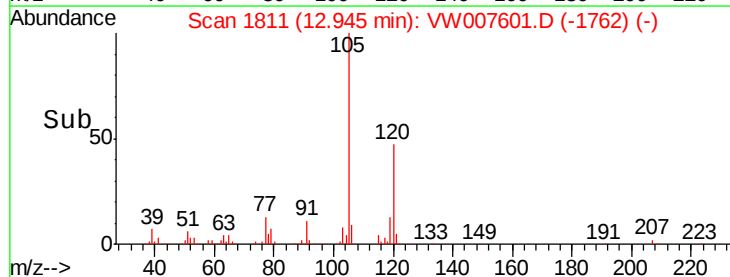
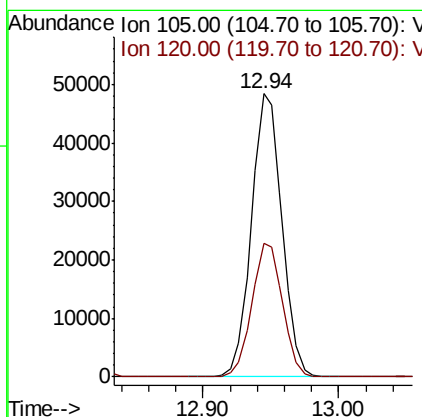
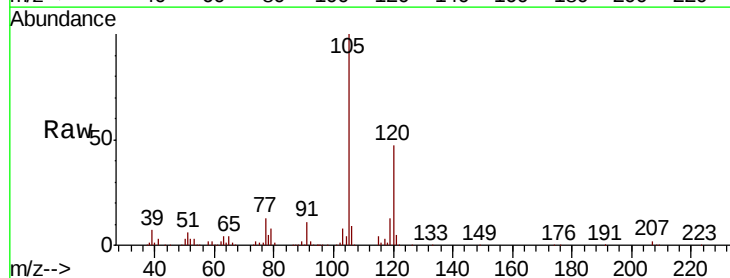
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBSD01

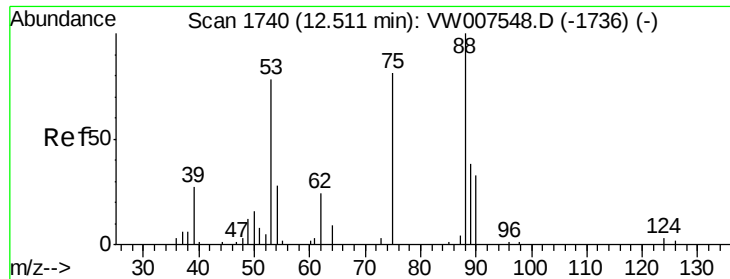
Tgt Ion: 91 Resp: 60966
 Ion Ratio Lower Upper
 91 100
 126 33.6 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.363 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion: 105 Resp: 76045
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.4

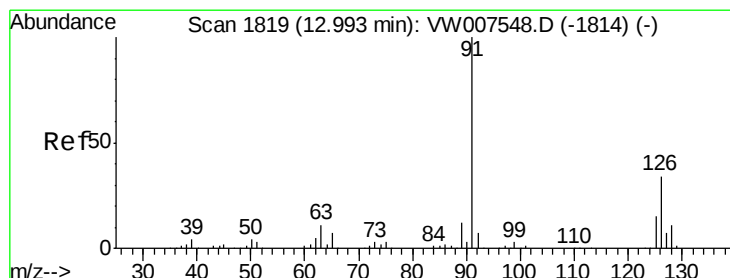
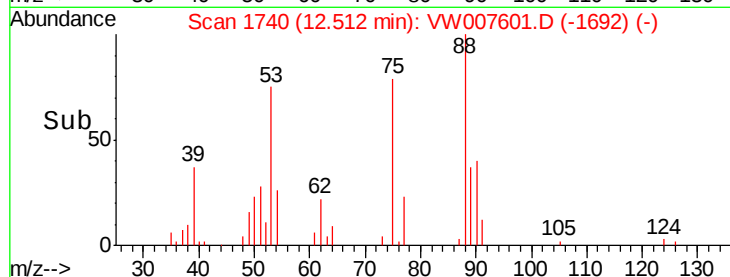
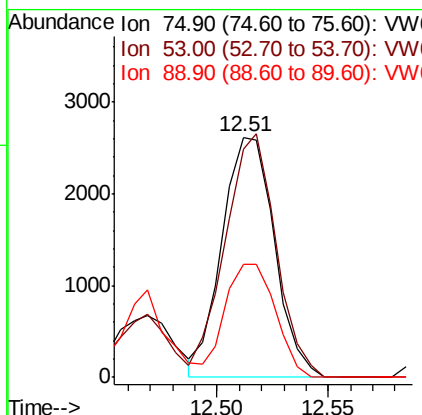
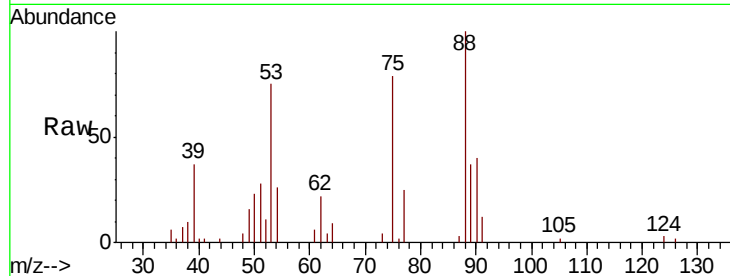




#81
trans-1,4-Dichloro-2-butene
Concen: 20.759 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

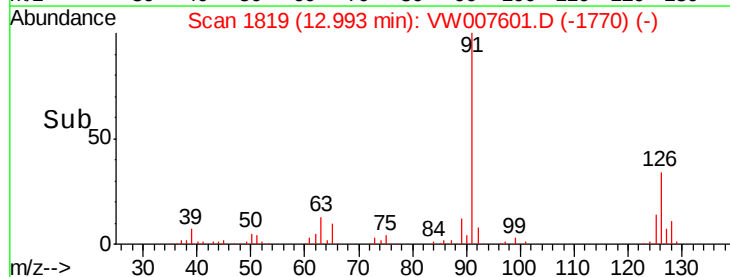
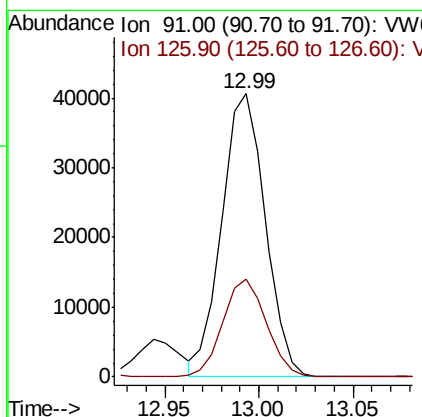
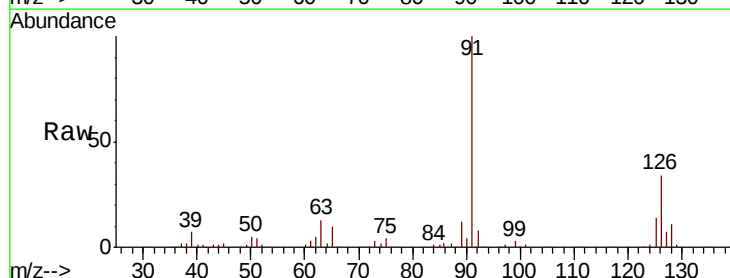
Instrument :
MSVOA_W
ClientSampleId :
VW1218SBSD01

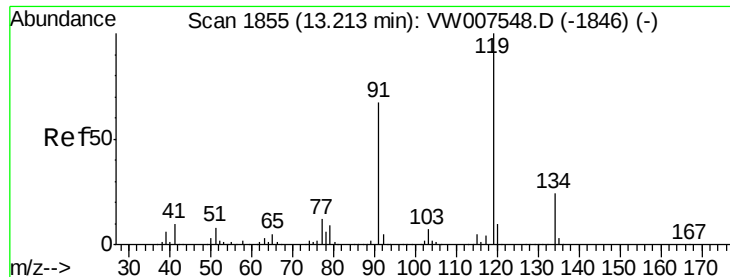
Tgt Ion: 75 Resp: 4284
Ion Ratio Lower Upper
75 100
53 98.4 84.9 127.3
89 44.8 40.3 60.5



#82
4-Chlorotoluene
Concen: 21.416 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion: 91 Resp: 65124
Ion Ratio Lower Upper
91 100
126 34.4 16.0 48.0





#83

tert-Butylbenzene

Concen: 21.783 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

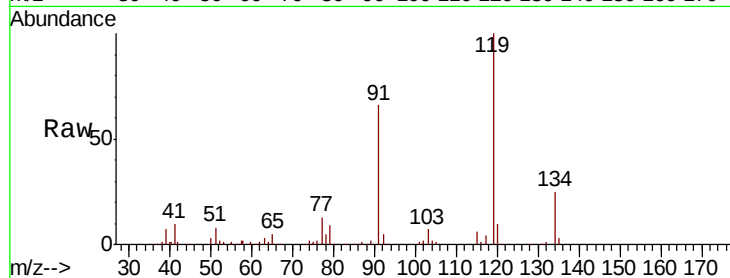
Tgt Ion:119 Resp: 68324

Ion Ratio Lower Upper

119 100

91 67.0 33.1 99.2

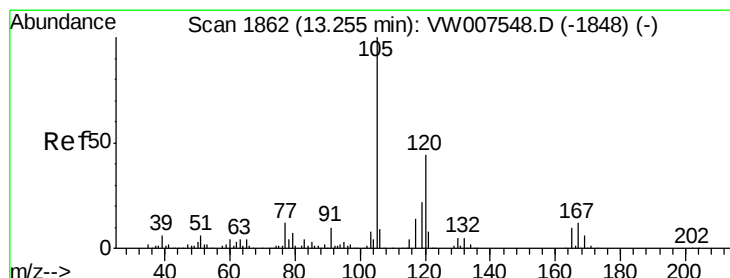
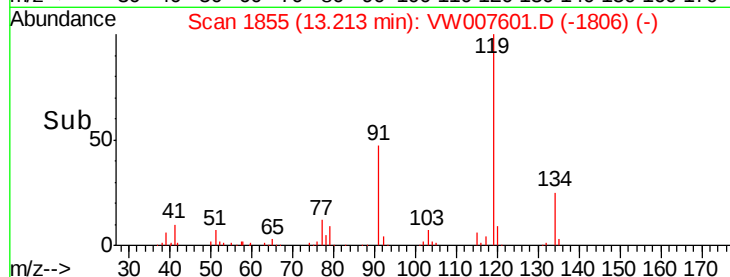
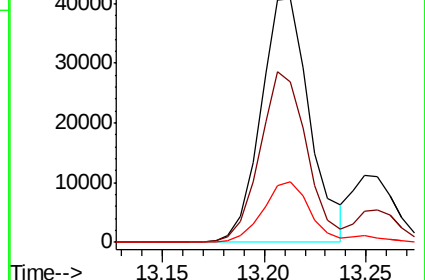
134 25.6 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.324 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007601.D

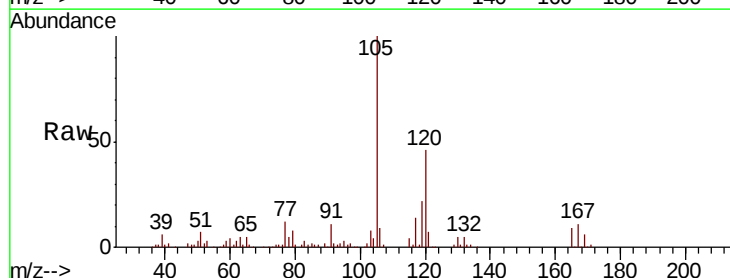
Acq: 16 Dec 2018 01:13

Tgt Ion:105 Resp: 78109

Ion Ratio Lower Upper

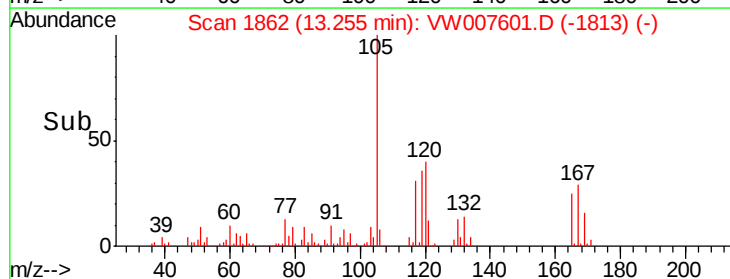
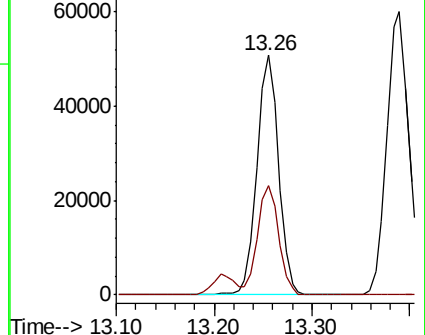
105 100

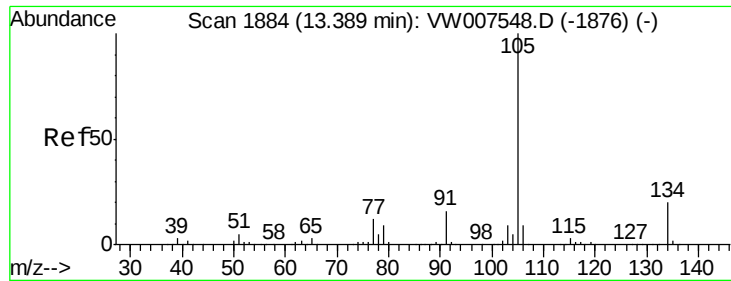
120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

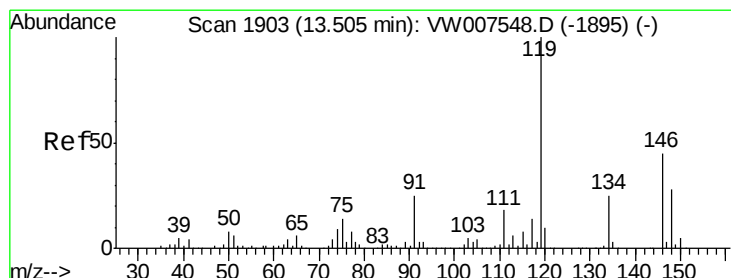
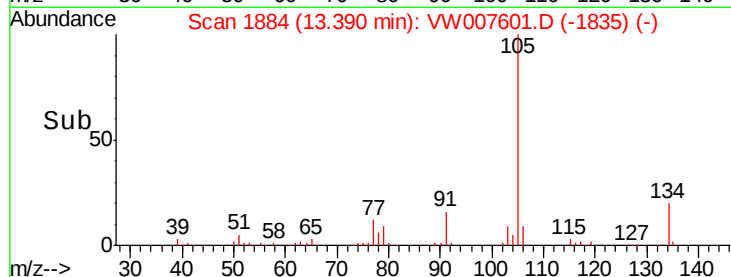
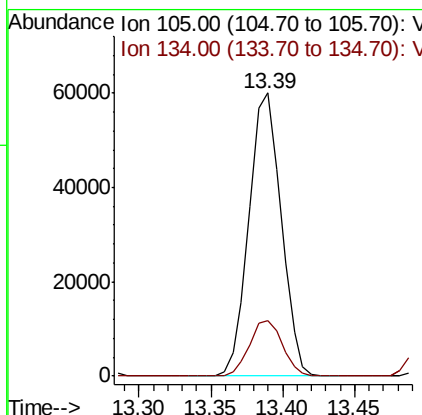
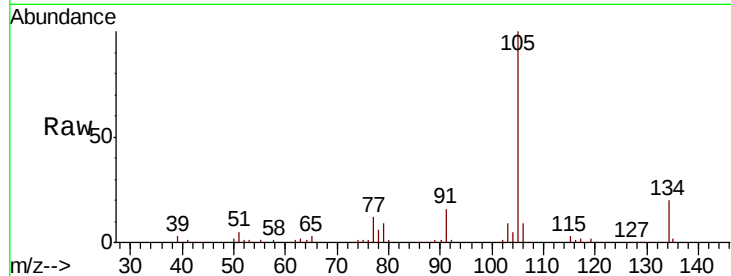




#85
 sec-Butylbenzene
 Concen: 21.697 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

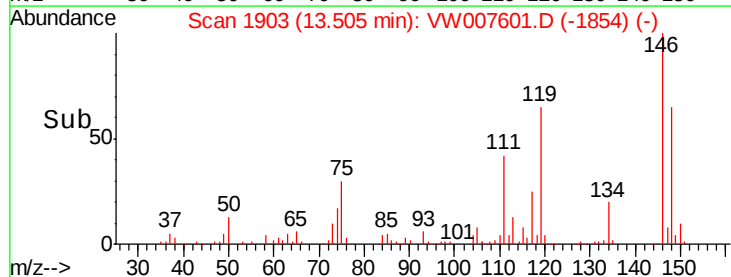
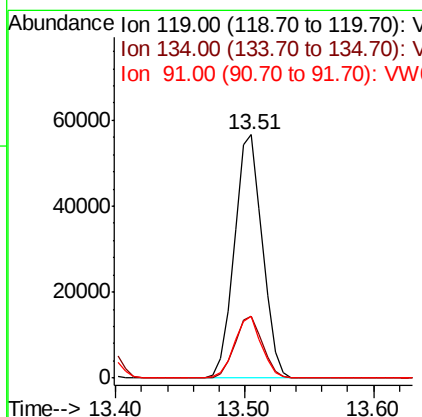
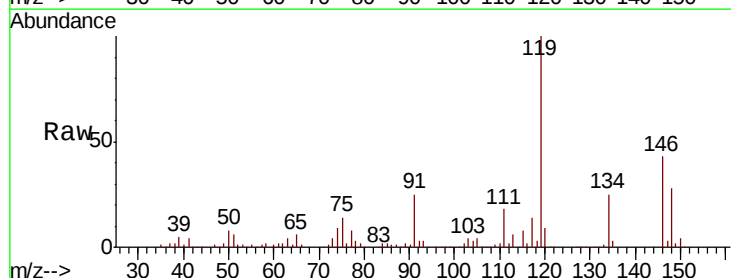
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBSD01

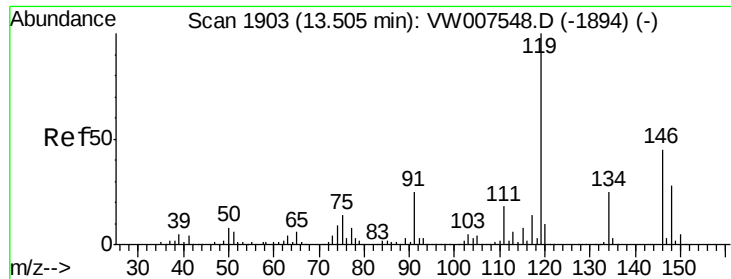
Tgt Ion:105 Resp: 92901
 Ion Ratio Lower Upper
 105 100
 134 20.2 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 22.196 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion:119 Resp: 85377
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.7
 91 24.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 22.006 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

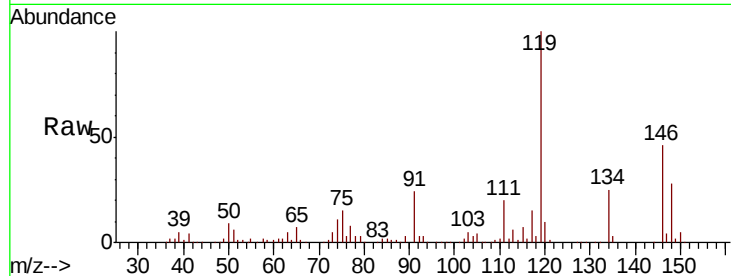
Tgt Ion:146 Resp: 41200

Ion Ratio Lower Upper

146 100

111 42.4 20.1 60.3

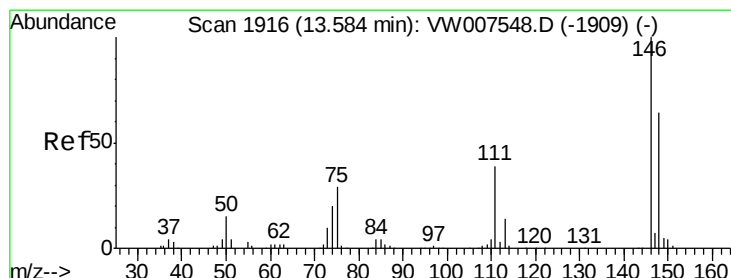
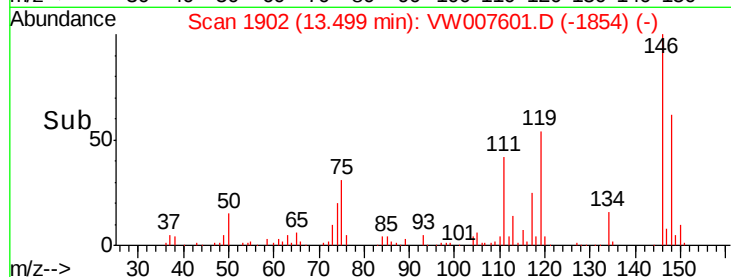
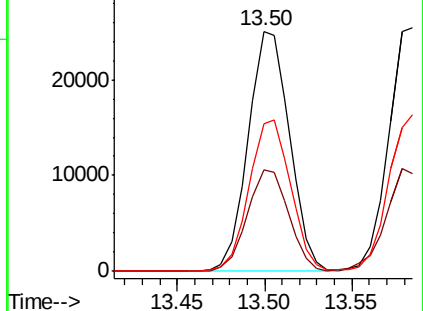
148 63.4 31.4 94.0



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



#88

1,4-Dichlorobenzene

Concen: 21.623 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

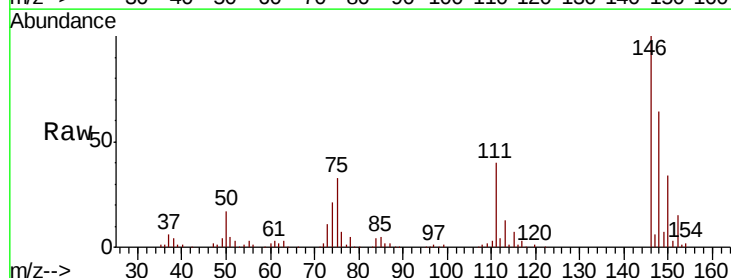
Tgt Ion:146 Resp: 40699

Ion Ratio Lower Upper

146 100

111 42.9 20.3 61.0

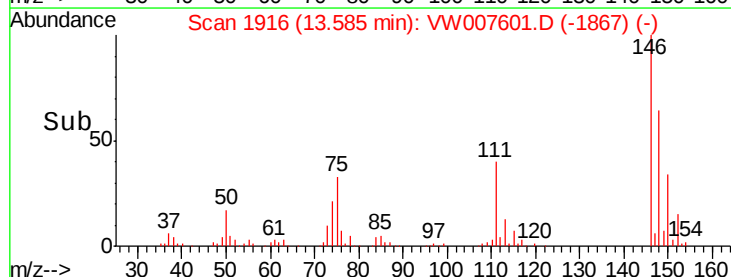
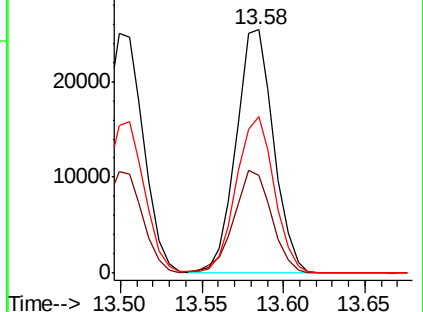
148 64.9 33.5 100.5

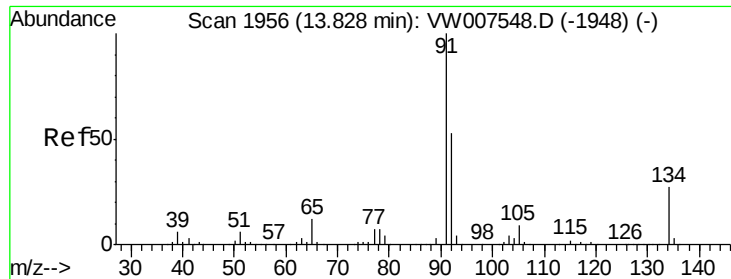


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.413 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

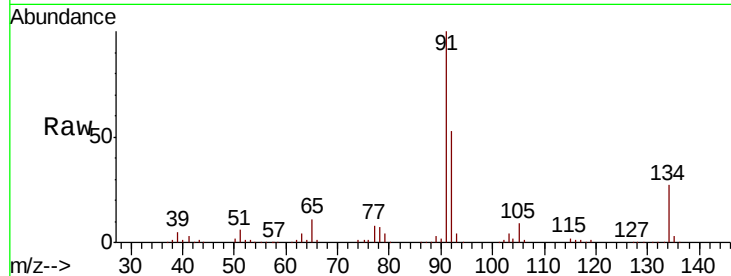
Tgt Ion: 91 Resp: 76359

Ion Ratio Lower Upper

91 100

92 51.7 25.7 77.1

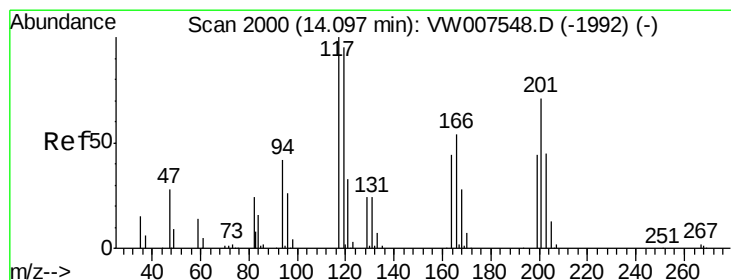
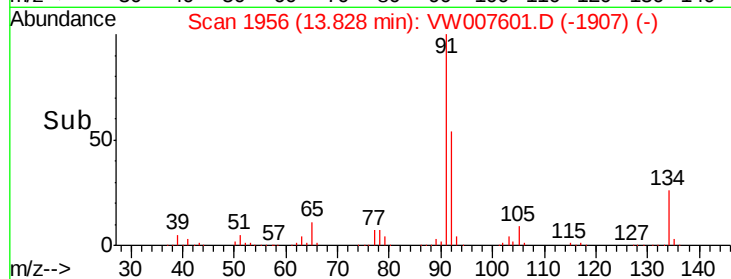
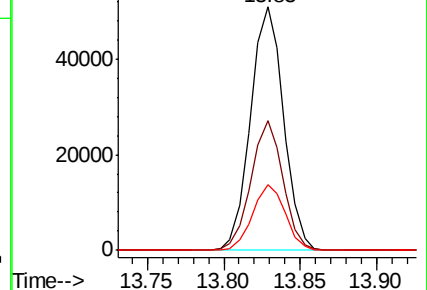
134 26.7 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.222 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007601.D

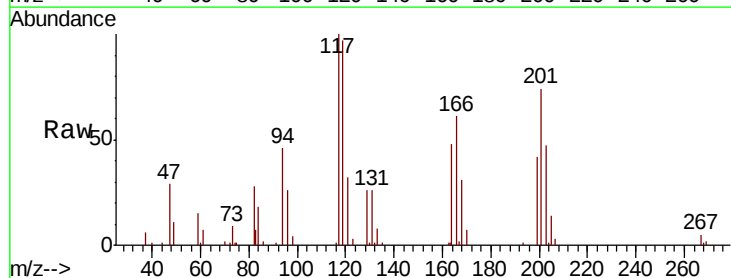
Acq: 16 Dec 2018 01:13

Tgt Ion: 117 Resp: 14525

Ion Ratio Lower Upper

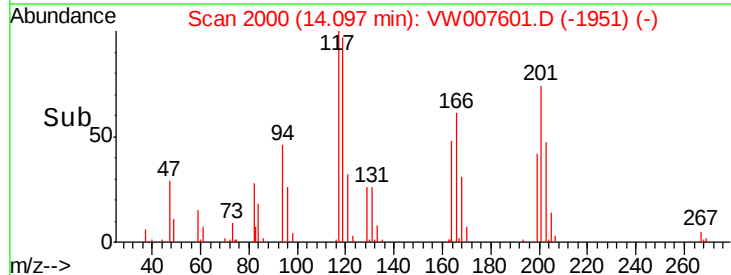
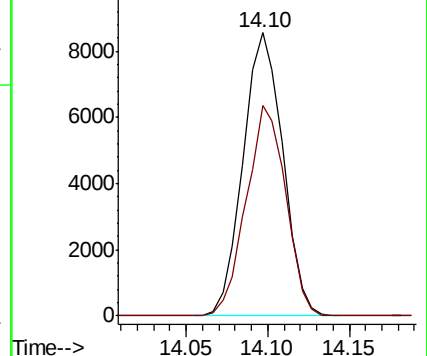
117 100

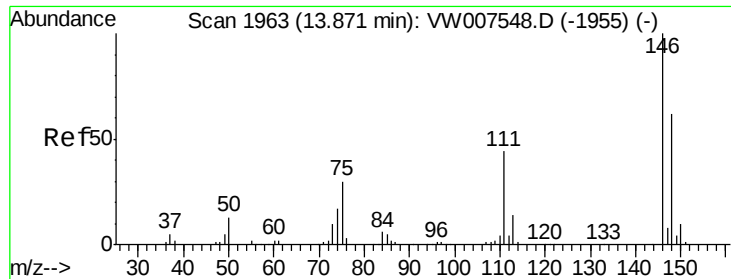
201 73.5 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.062 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

Instrument :

MSVOA_W

ClientSampleId :

VW1218SBS01

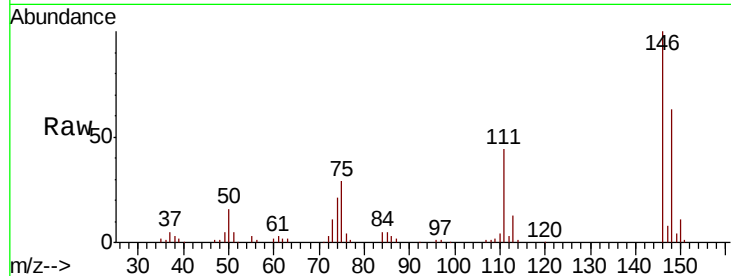
Tgt Ion:146 Resp: 36996

Ion Ratio Lower Upper

146 100

111 43.7 22.4 67.2

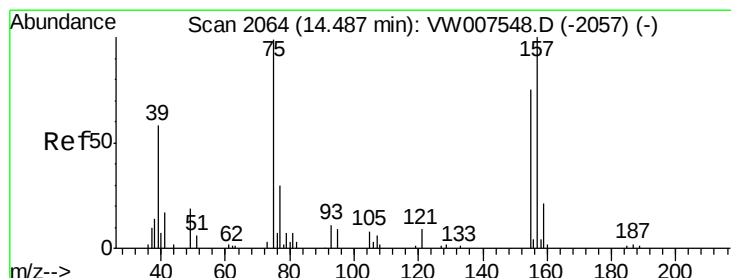
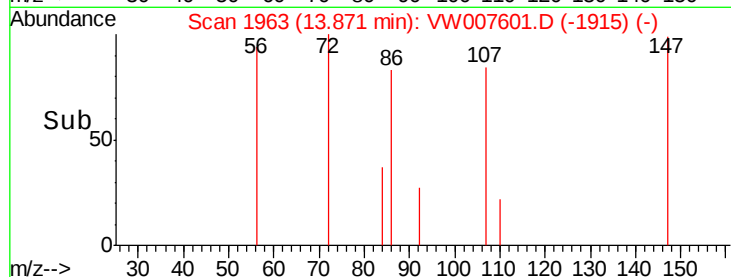
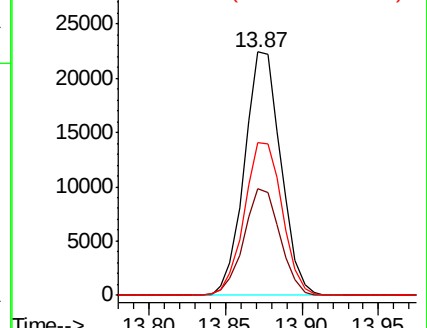
148 65.2 32.4 97.2



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: 21.030 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW007601.D

Acq: 16 Dec 2018 01:13

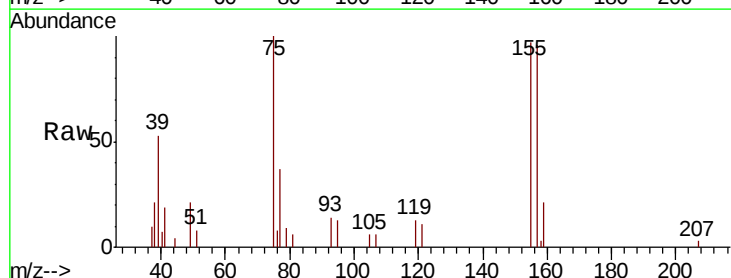
Tgt Ion: 75 Resp: 2648

Ion Ratio Lower Upper

75 100

155 89.0 40.8 122.2

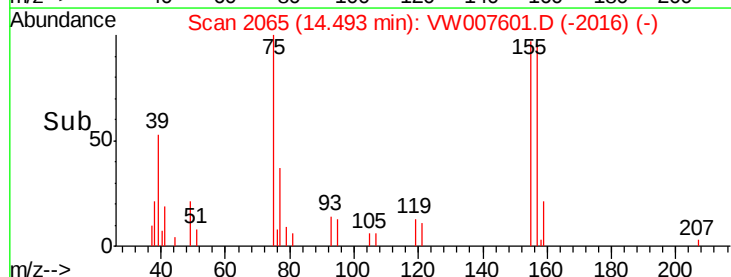
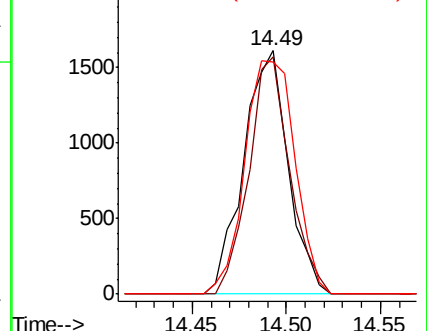
157 107.8 51.1 153.4

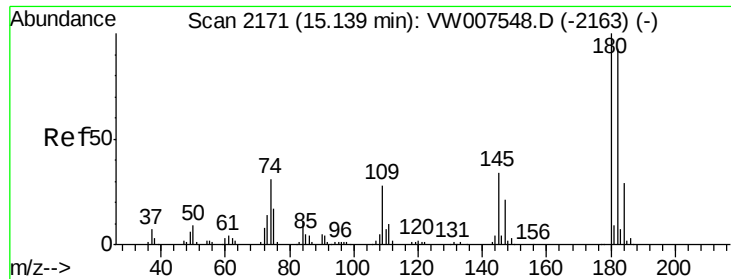


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

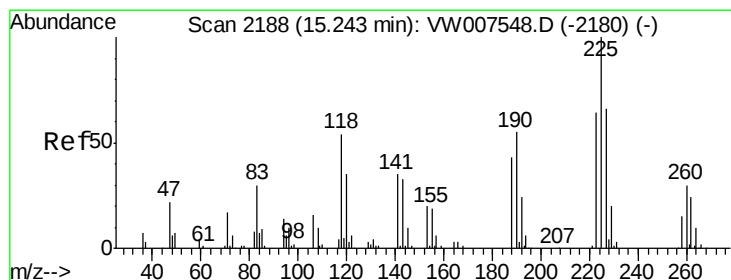
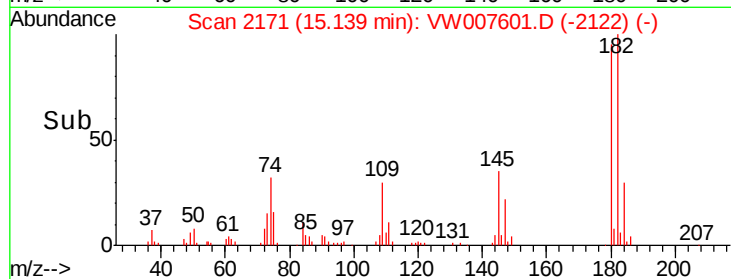
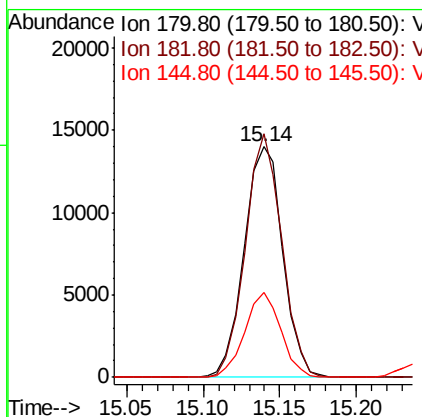
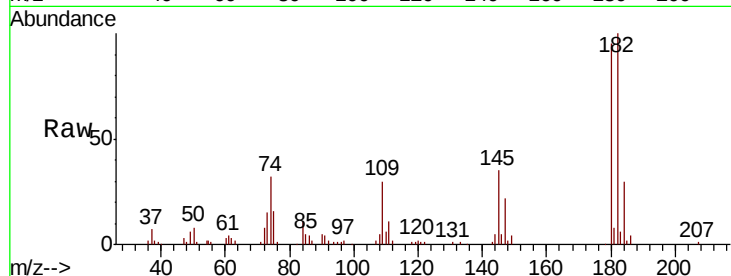




#93
 1,2,4-Trichlorobenzene
 Concen: 21.219 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

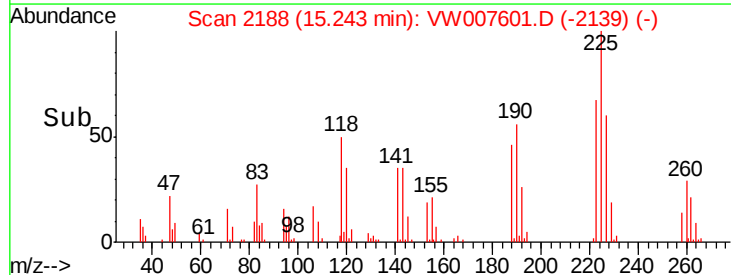
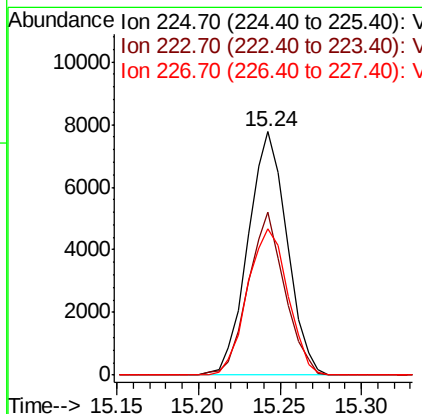
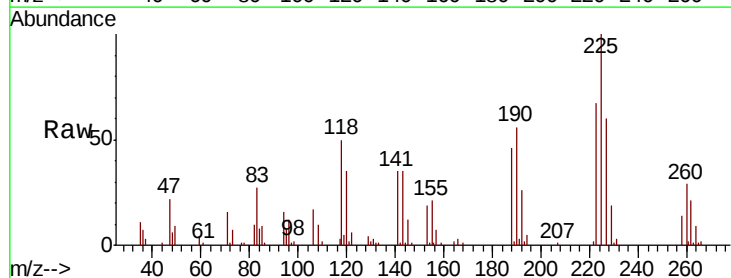
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1218SBS01

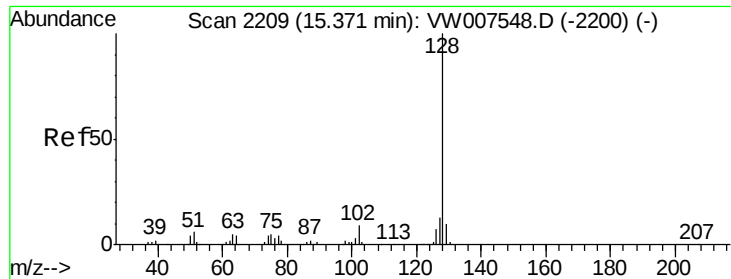
Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	49.9	149.6
145	34.5	17.8	53.4



#94
 Hexachlorobutadiene
 Concen: 21.104 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007601.D
 Acq: 16 Dec 2018 01:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.3
227	62.4	31.9	95.9

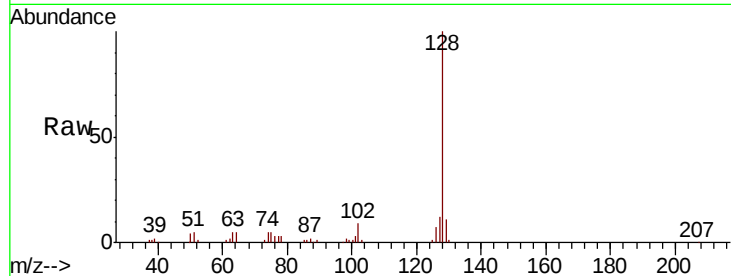




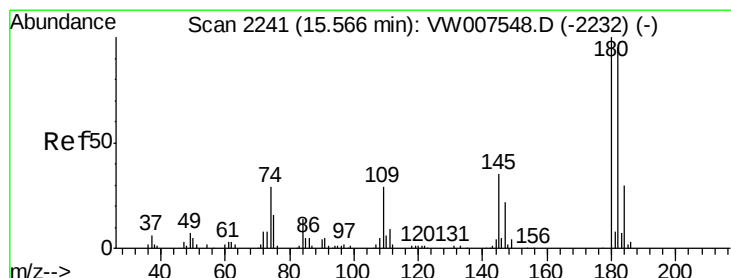
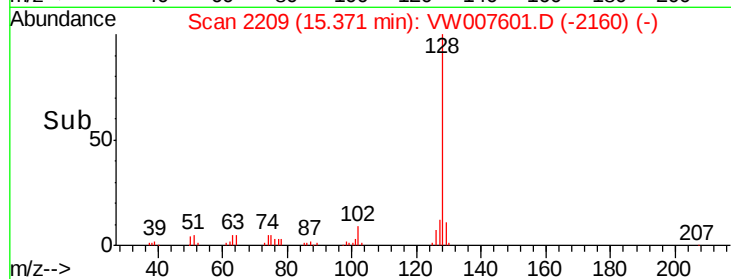
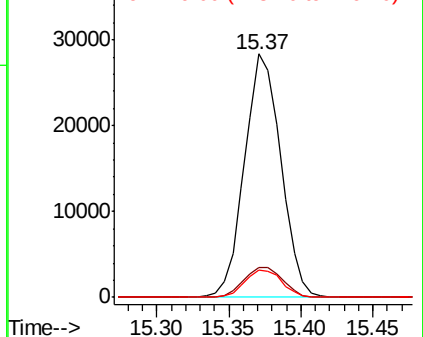
#95
Naphthalene
Concen: 22.374 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Instrument :
MSVOA_W
ClientSampleId :
VW1218SBSD01

Tgt Ion:128 Resp: 49396
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.4 8.3 12.5

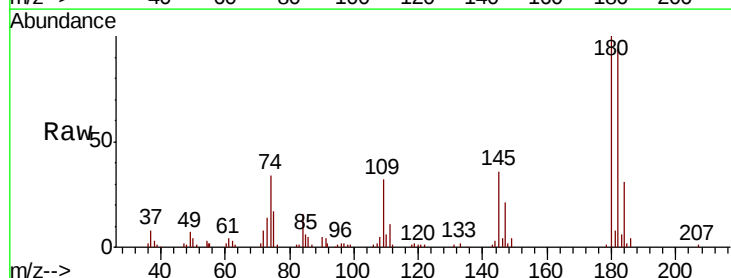


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.384 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007601.D
Acq: 16 Dec 2018 01:13

Tgt Ion:180 Resp: 22439
Ion Ratio Lower Upper
180 100
182 93.7 45.6 136.7
145 35.7 17.5 52.5



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

