

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007655.D
 Acq On : 18 Dec 2018 13:51
 Operator : SY/AP
 Sample : J6391-08MSD
 Misc : 4.32G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:16:50 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	33100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	51550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	39020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	14343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	18898	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	16372	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.32	98	55657	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	
62) 4-Bromofluorobenzene	12.62	95	15741	36.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13264	57.344	ug/l	98
3) Chloromethane	2.21	50	8437	43.553	ug/l	100
4) Vinyl Chloride	2.36	62	12435	54.699	ug/l	100
5) Bromomethane	2.78	94	7333	48.009	ug/l	93
6) Chloroethane	2.92	64	6992	55.873	ug/l	95
7) Trichlorofluoromethane	3.26	101	15981	78.191	ug/l	99
8) Diethyl Ether	3.68	74	9474	59.225	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17015	50.453	ug/l	98
10) Methyl Iodide	4.26	142	26420	47.302	ug/l	96
11) Tert butyl alcohol	5.16	59	7470	296.193	ug/l	97
12) 1,1-Dichloroethene	4.03	96	17235	53.079	ug/l	96
13) Acrolein	3.90	56	1760	105.465	ug/l	99
14) Allyl chloride	4.66	41	22892	47.830	ug/l	96
15) Acrylonitrile	5.37	53	16727	248.044	ug/l	99
16) Acetone	4.12	43	16367	255.168	ug/l	98
17) Carbon Disulfide	4.37	76	49465	50.243	ug/l #	94
18) Methyl Acetate	4.67	43	28383	163.038	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	35705	72.892	ug/l	94
20) Methylene Chloride	4.90	84	18566	53.179	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	18977	52.245	ug/l	97
22) Diisopropyl ether	6.31	45	47326	51.443	ug/l	95
23) Vinyl Acetate	6.26	43	7748	15.057	ug/l	98
24) 1,1-Dichloroethane	6.21	63	32544	52.341	ug/l	98
25) 2-Butanone	7.17	43	22938	273.927	ug/l	99
26) 2,2-Dichloropropane	7.16	77	28598	69.497	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	19884	49.995	ug/l	96
28) Bromochloromethane	7.51	49	12113	51.792	ug/l	96
29) Tetrahydrofuran	7.52	42	15187	286.485	ug/l	92
30) Chloroform	7.68	83	35357	52.254	ug/l	99
31) Cyclohexane	7.95	56	22431	39.320	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	33643	56.699	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25039	53.245	ug/l	98
37) Ethyl Acetate	7.26	43	4129	23.607	ug/l #	80
38) Carbon Tetrachloride	8.07	117	29717	58.078	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21868	38.403	ug/l	95
40) Benzene	8.32	78	71457	54.754	ug/l	99
41) Methacrylonitrile	7.53	41	14149	142.057	ug/l #	37
42) 1,2-Dichloroethane	8.40	62	25241	61.571	ug/l	100
43) Isopropyl Acetate	8.43	43	10144	29.361	ug/l #	82
44) Trichloroethene	9.09	130	20125	54.003	ug/l	99
45) 1,2-Dichloropropane	9.37	63	16598	54.960	ug/l	98
46) Dibromomethane	9.46	93	10312	60.127	ug/l	97
47) Bromodichloromethane	9.65	83	25358	56.369	ug/l	100
48) Methyl methacrylate	9.44	41	11532	64.992	ug/l	99
49) 1,4-Dioxane	9.45	88	3441	1236.546	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	49648	304.132	ug/l	98
52) Toluene	10.39	92	43553	51.569	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	22326	51.121	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	24013	47.563	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	13832	59.259	ug/l	95
56) Ethyl methacrylate	10.65	69	7416	26.433	ug/l #	74
57) 1,3-Dichloropropane	10.93	76	22996	60.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	34253	264.751	ug/l	98
59) 2-Hexanone	10.97	43	30452	279.757	ug/l	99
60) Dibromochloromethane	11.13	129	16840	57.168	ug/l	99
61) 1,2-Dibromoethane	11.24	107	13415	58.157	ug/l	95
64) Tetrachloroethene	10.86	164	13997	49.882	ug/l	93
65) Chlorobenzene	11.66	112	42917	52.769	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	16614	58.001	ug/l	97
67) Ethyl Benzene	11.73	91	75701	54.138	ug/l #	86
68) m/p-Xylenes	11.84	106	57558	105.884	ug/l	100
69) o-Xylene	12.17	106	27565	54.296	ug/l	99
70) Styrene	12.18	104	42866	52.275	ug/l	97
71) Bromoform	12.35	173	9075	61.897	ug/l #	97
73) Isopropylbenzene	12.47	105	71365	64.935	ug/l	98
74) N-amyl acetate	12.27	43	4558	22.820	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	13170	80.908	ug/l	91
76) 1,2,3-Trichloropropane	12.77	75	18439	155.916	ug/l #	1
77) Bromobenzene	12.75	156	15887	65.215	ug/l	95
78) n-propylbenzene	12.80	91	74814	60.488	ug/l	100
79) 2-Chlorotoluene	12.90	91	43760	58.473	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	55766	60.389	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4116	76.882	ug/l	91
82) 4-Chlorotoluene	12.99	91	45789	58.043	ug/l	96
83) tert-Butylbenzene	13.21	119	49000	60.220	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	56111	59.047	ug/l	99
85) sec-Butylbenzene	13.39	105	60621	54.575	ug/l	97
86) p-Isopropyltoluene	13.51	119	53636	53.749	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	25683	52.878	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	26062	53.373	ug/l	97
89) n-Butylbenzene	13.83	91	41833	45.220	ug/l	100
90) Hexachloroethane	14.10	117	9705	54.659	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	22529	51.787	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2623	80.298	ug/l	97

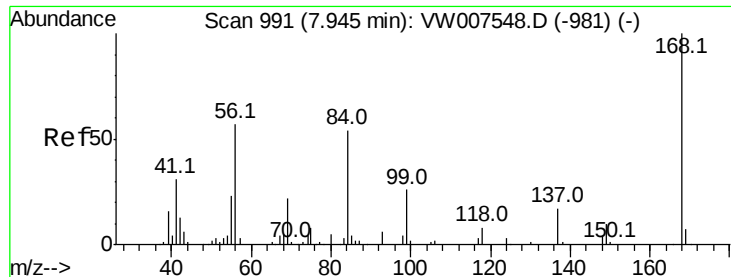
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	9448	31.558	ug/l	97
94) Hexachlorobutadiene	15.24	225	4635	29.179	ug/l	98
95) Naphthalene	15.38	128	24957	43.576	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	8072	31.038	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

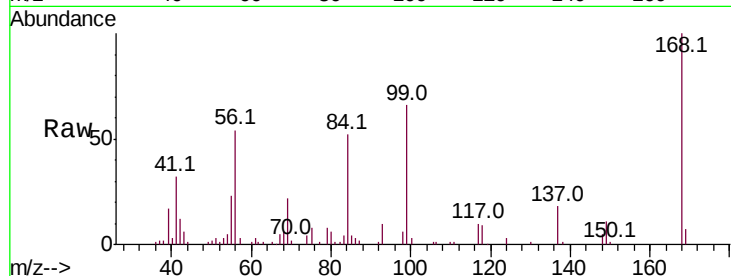
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 33100

Ion Ratio Lower Upper

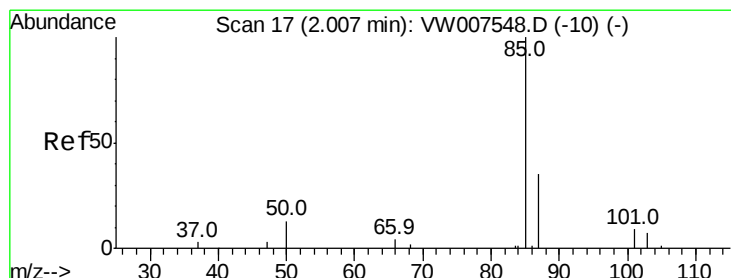
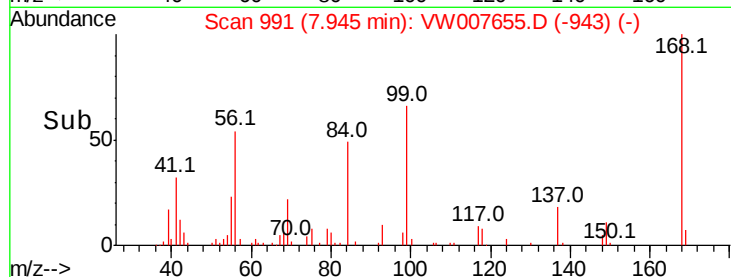
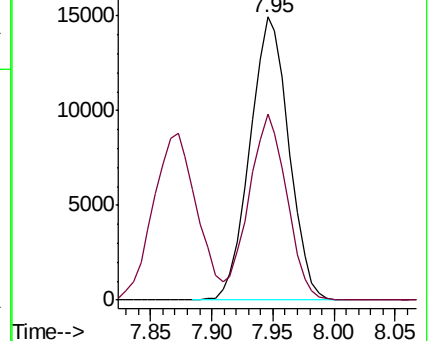
168 100

99 65.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 57.344 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007655.D

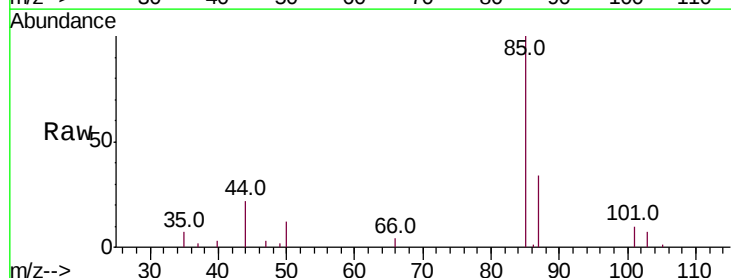
Acq: 18 Dec 2018 13:51

Tgt Ion: 85 Resp: 13264

Ion Ratio Lower Upper

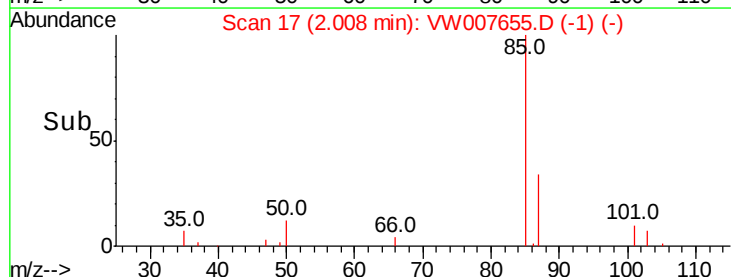
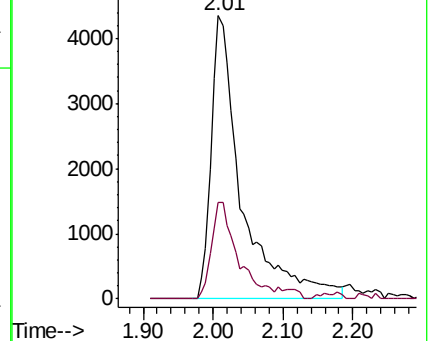
85 100

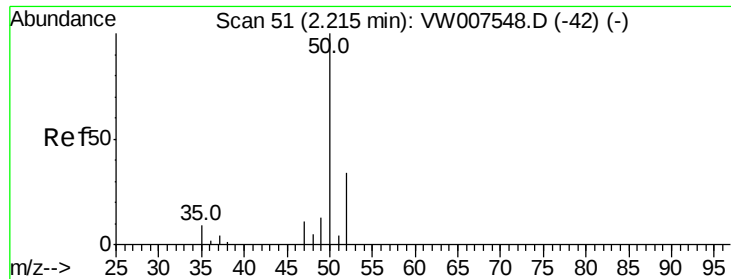
87 34.0 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 43.553 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

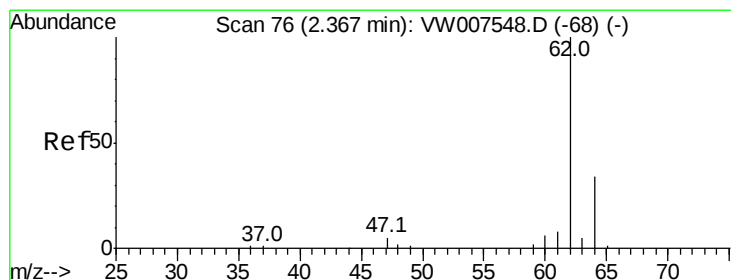
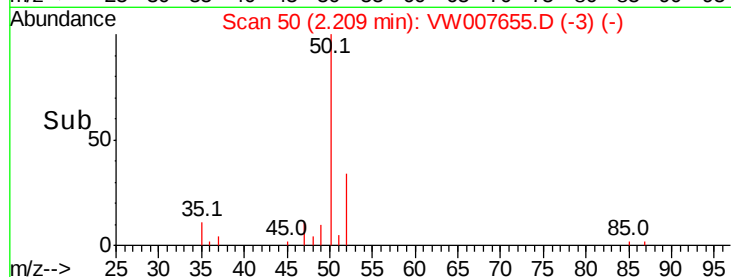
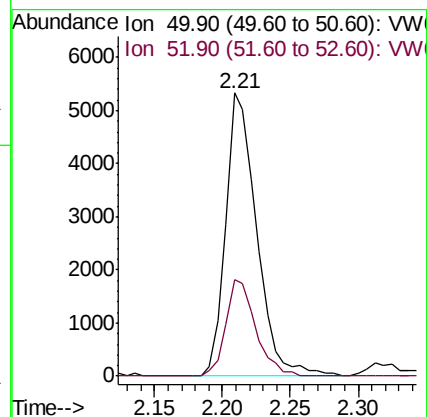
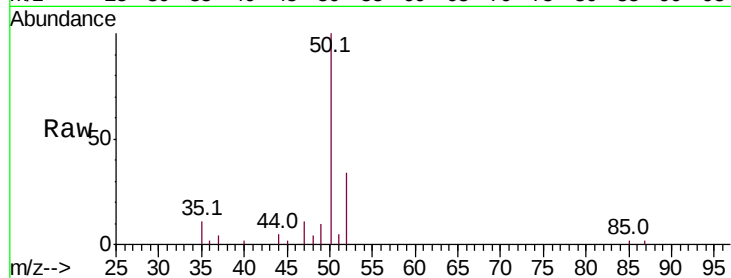
ClientSampled :

Tot Ion: 50 Resp: 8437

Ion Ratio Lower Upper

50 100

52 34.0 27.4 41.0



#4

Vinyl Chloride

Concen: 54.699 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007655.D

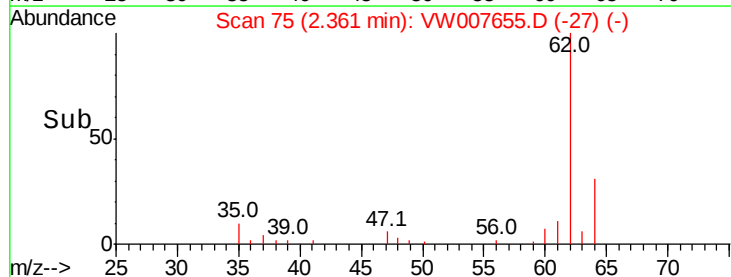
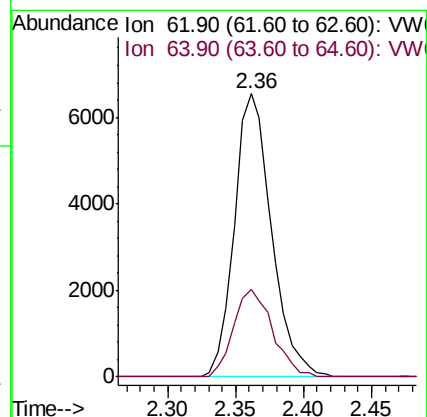
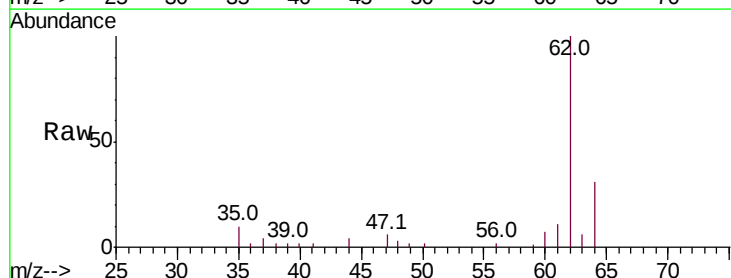
Acq: 18 Dec 2018 13:51

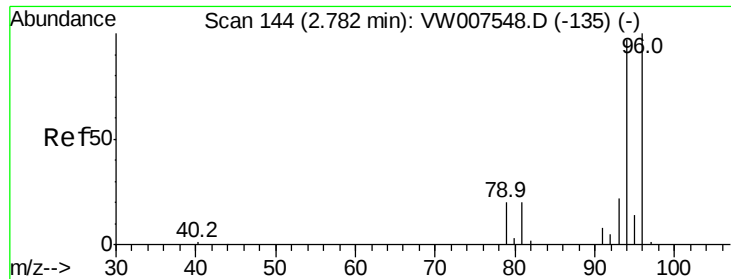
Tgt Ion: 62 Resp: 12435

Ion Ratio Lower Upper

62 100

64 31.0 24.6 37.0





#5

Bromomethane

Concen: 48.009 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

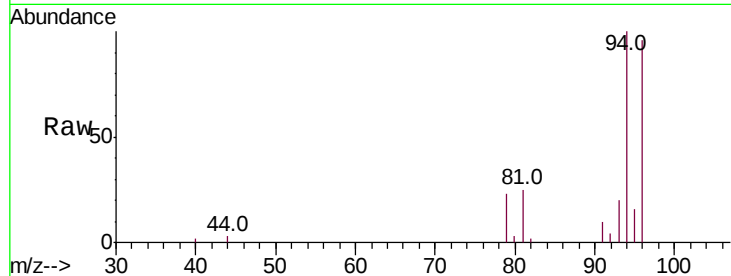
ClientSampleId :

Tot Ion: 94 Resp: 7333

Ion Ratio Lower Upper

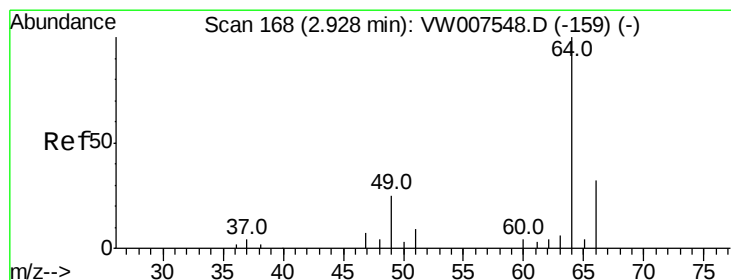
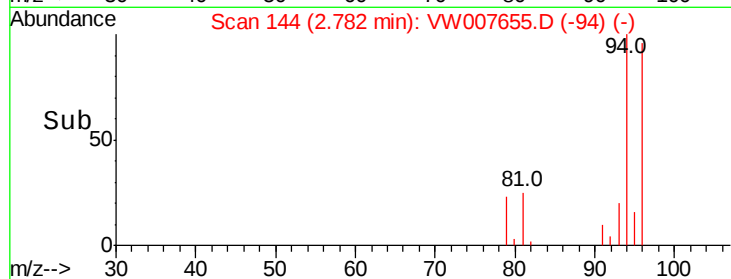
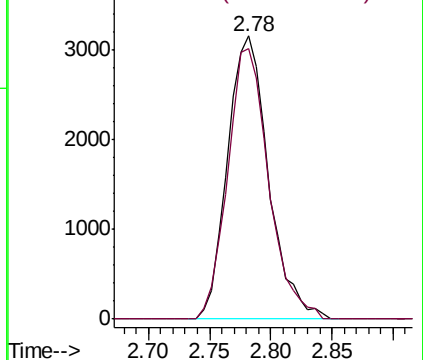
94 100

96 95.6 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 55.873 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007655.D

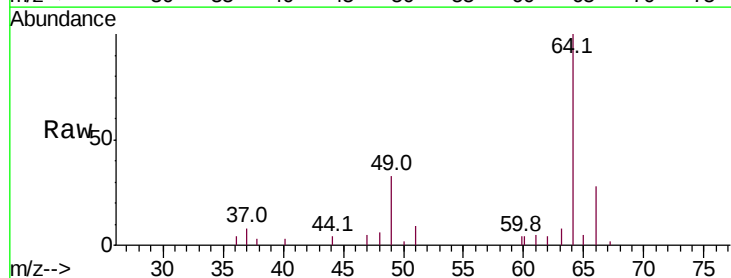
Acq: 18 Dec 2018 13:51

Tgt Ion: 64 Resp: 6992

Ion Ratio Lower Upper

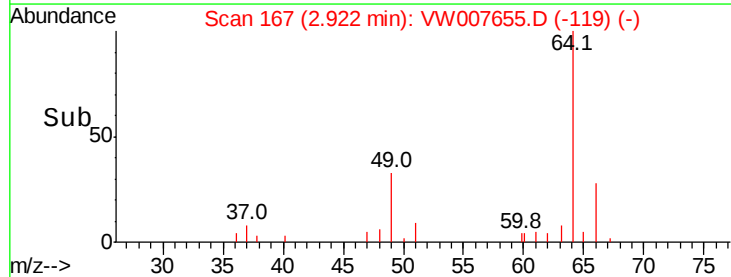
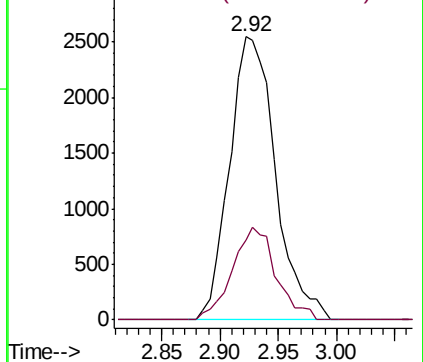
64 100

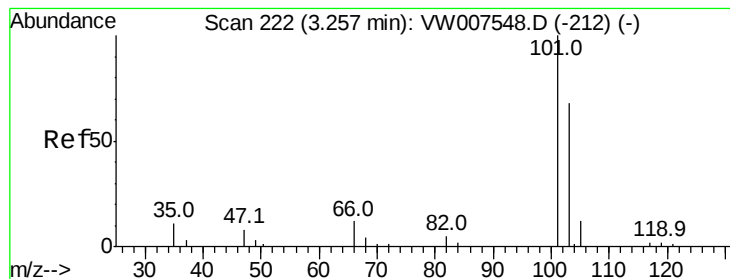
66 28.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



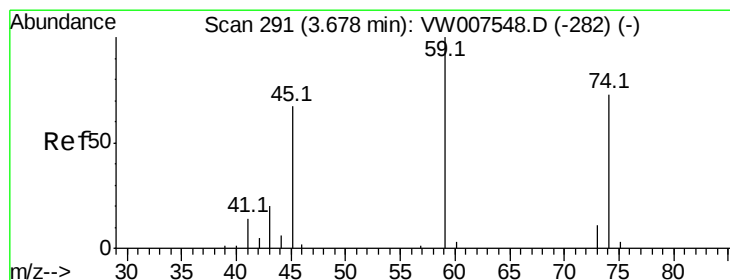
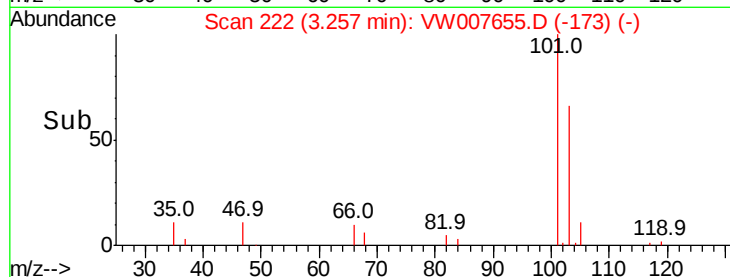
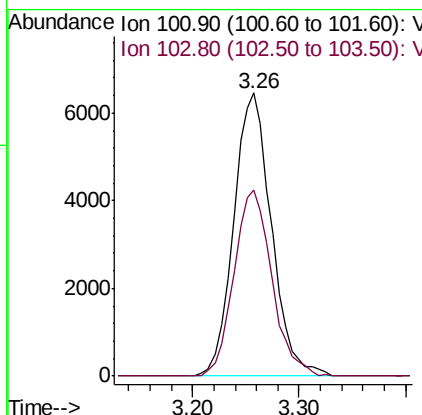
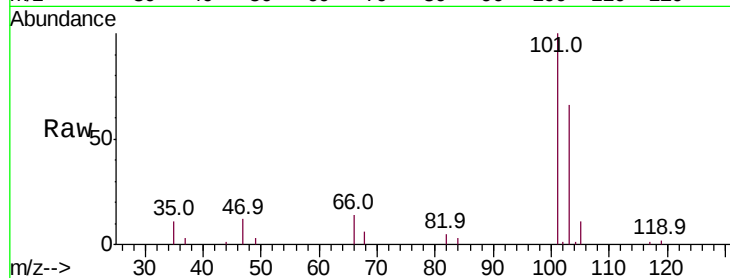


#7

Trichlorofluoromethane
Concen: 78.191 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Instrument :
MSVOA_W
ClientSampled :

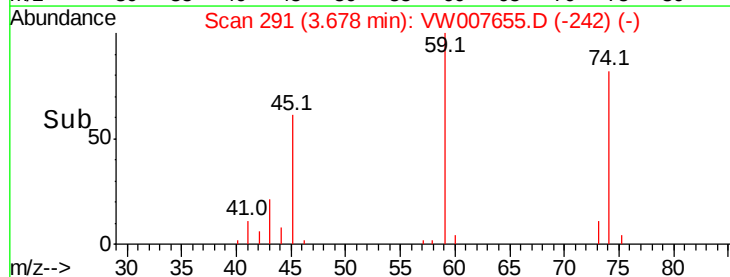
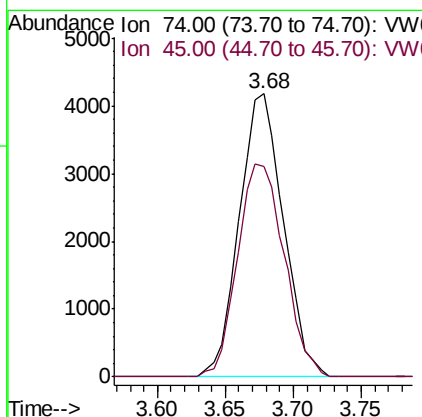
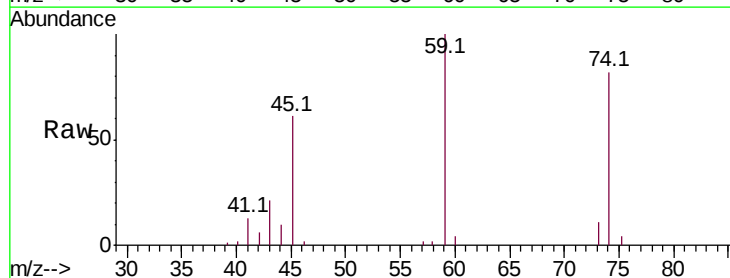
Tot Ion:101 Resp: 15981
Ion Ratio Lower Upper
101 100
103 65.6 51.7 77.5

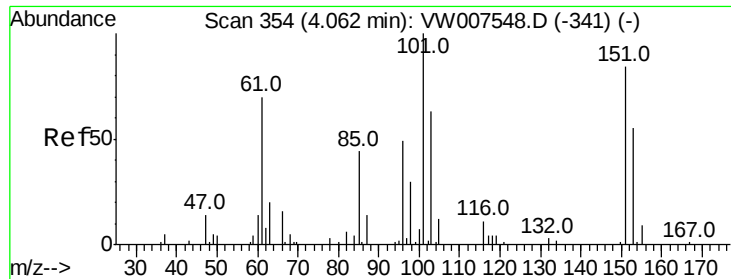


#8

Diethyl Ether
Concen: 59.225 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 74 Resp: 9474
Ion Ratio Lower Upper
74 100
45 79.5 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.453 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

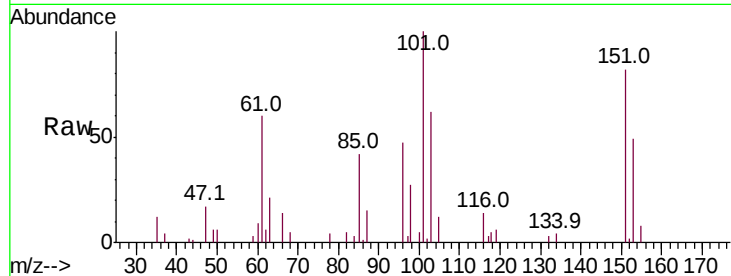
Tot Ion:101 Resp: 17015

Ion Ratio Lower Upper

101 100

85 43.7 33.9 50.9

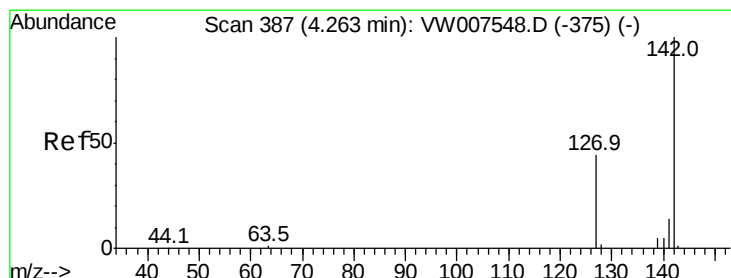
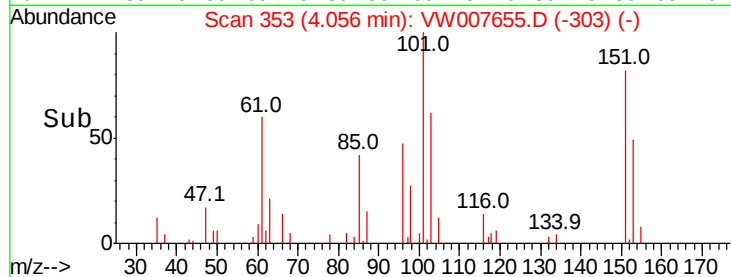
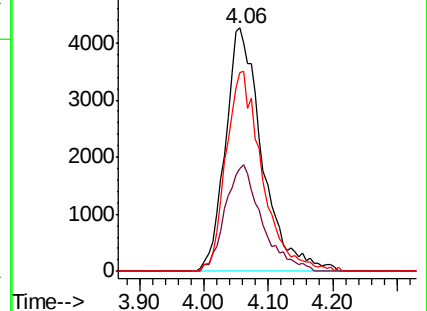
151 81.0 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.302 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

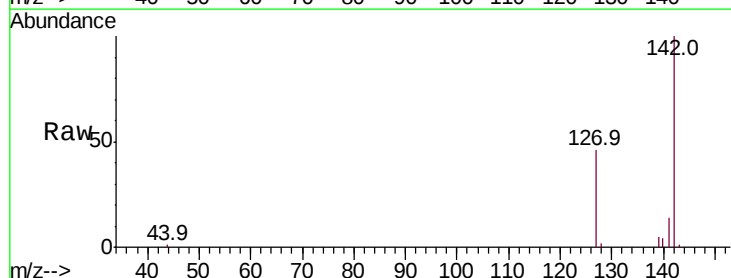
Tgt Ion:142 Resp: 26420

Ion Ratio Lower Upper

142 100

127 47.8 35.8 53.6

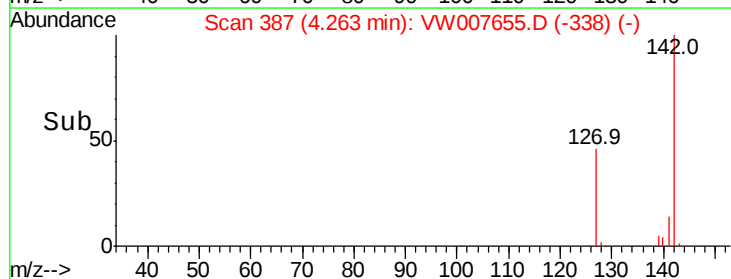
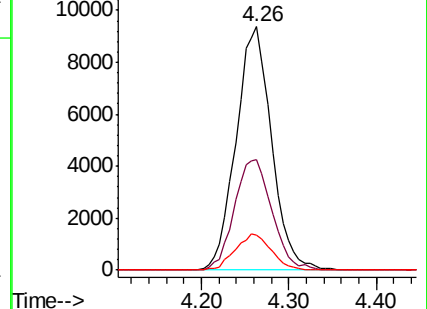
141 14.9 11.1 16.7

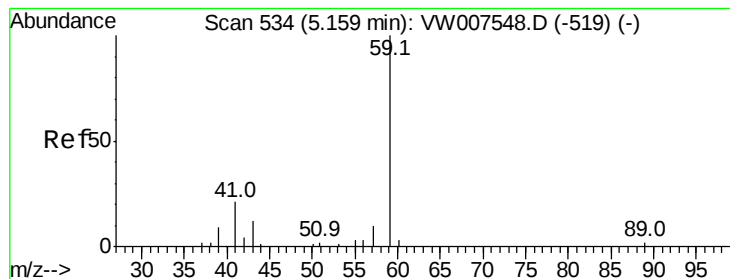


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



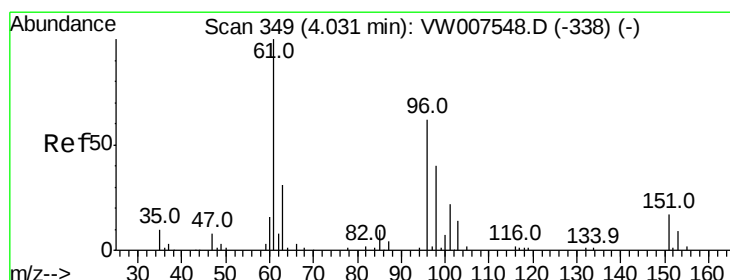
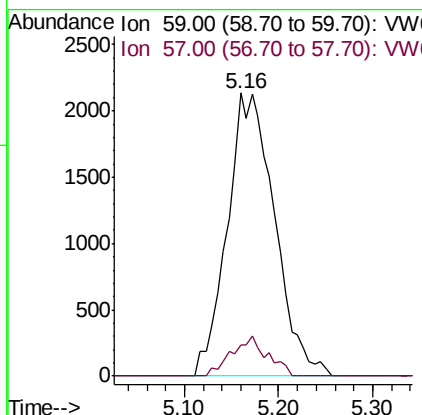
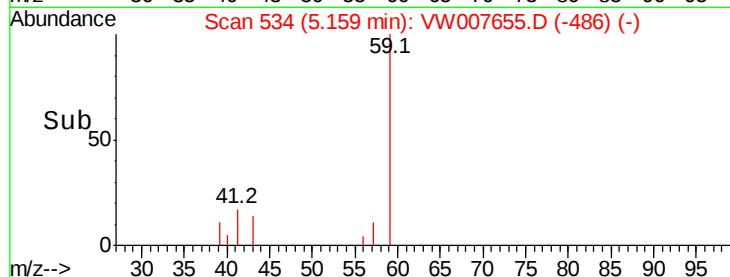
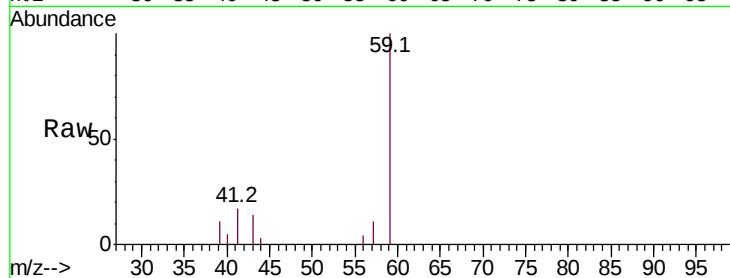


#11

Tert butyl alcohol
Concen: 296.193 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Instrument :
MSVOA_W
ClientSampleId :

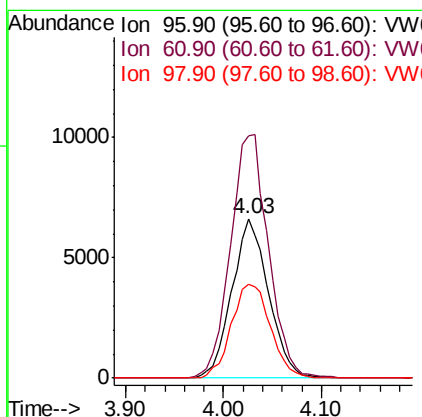
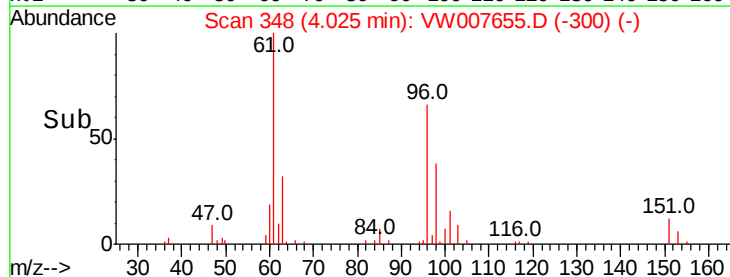
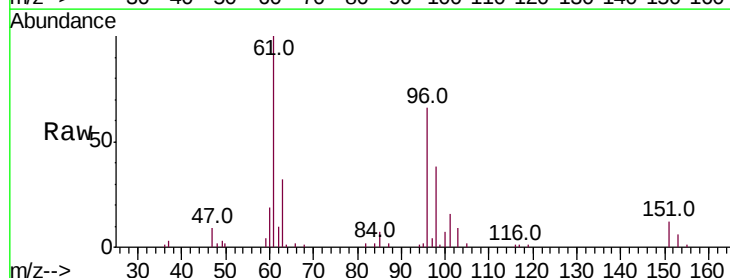
Tot Ion: 59 Resp: 7470
Ion Ratio Lower Upper
59 100
57 10.7 7.6 11.4

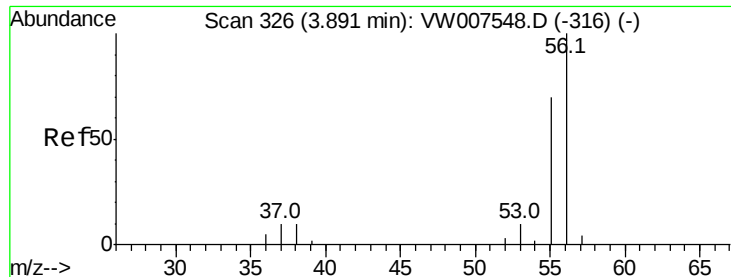


#12

1,1-Dichloroethene
Concen: 53.079 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 96 Resp: 17235
Ion Ratio Lower Upper
96 100
61 152.0 126.2 189.2
98 58.4 48.3 72.5





#13

Acrolein

Concen: 105.465 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

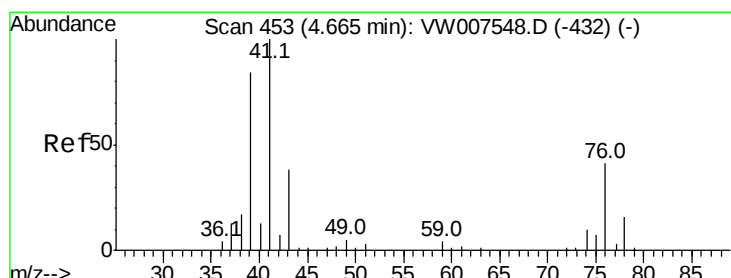
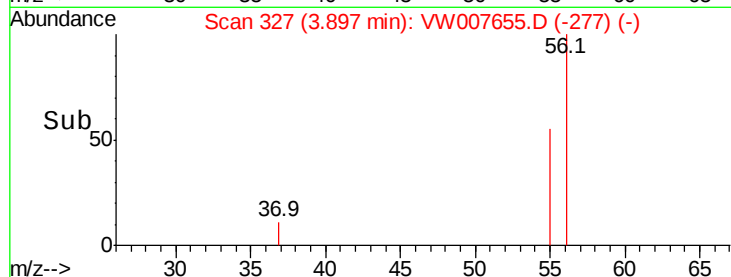
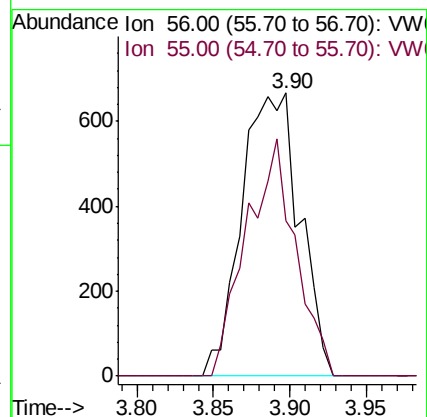
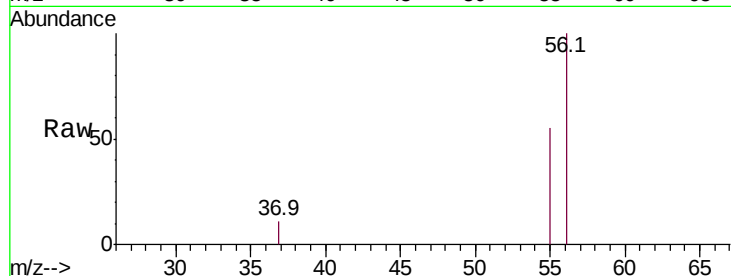
ClientSampleId :

Tot Ion: 56 Resp: 1760

Ion Ratio Lower Upper

56 100

55 71.0 57.4 86.2



#14

Allyl chloride

Concen: 47.830 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

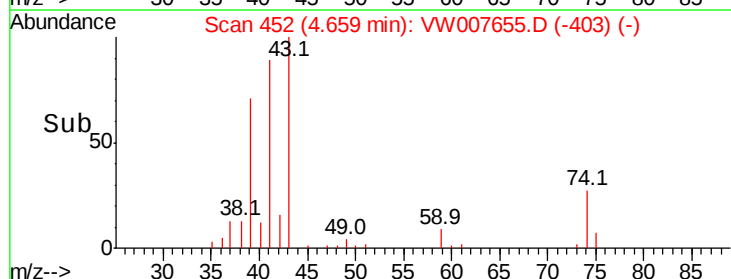
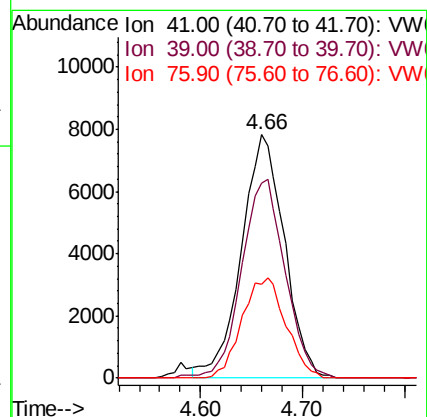
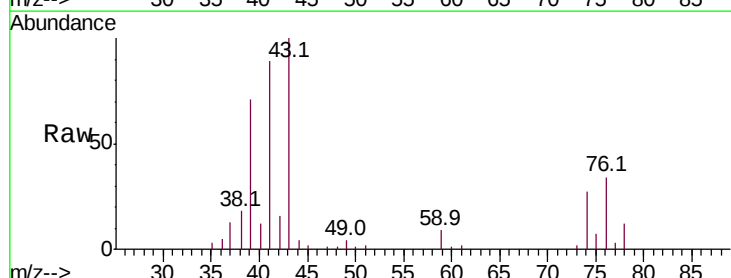
Tgt Ion: 41 Resp: 22892

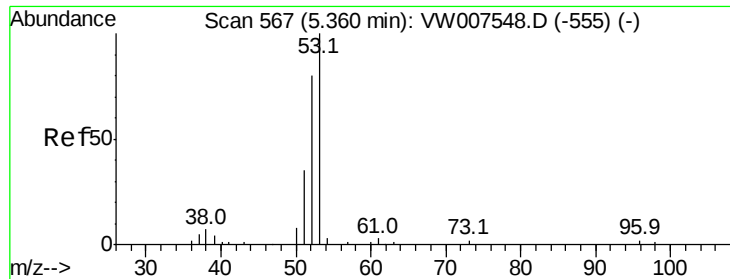
Ion Ratio Lower Upper

41 100

39 82.7 63.4 95.2

76 42.0 32.1 48.1





#15

Acrylonitrile

Concen: 248.044 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

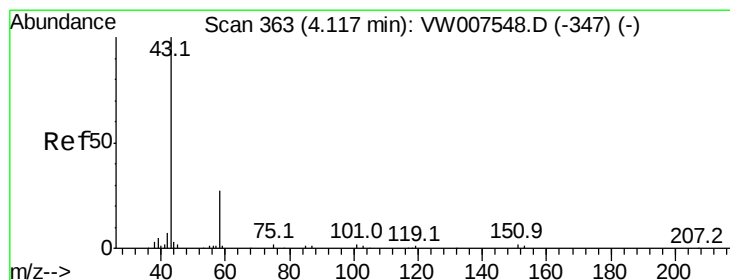
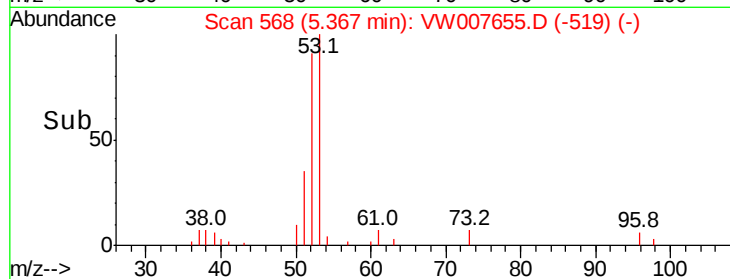
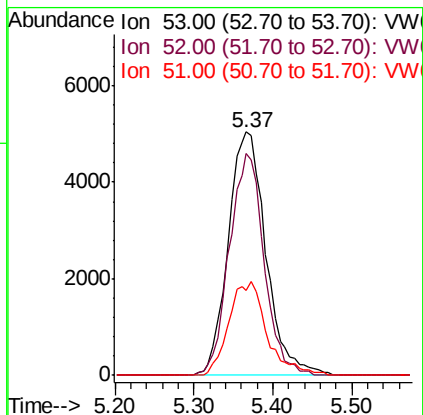
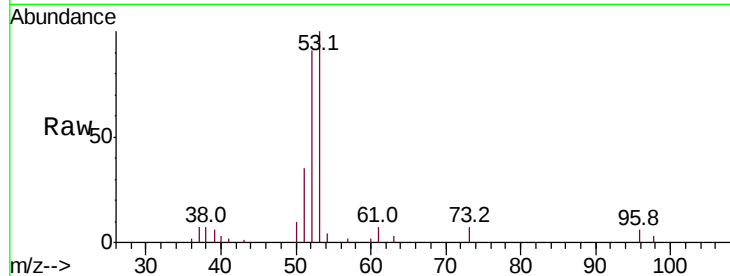
Tot Ion: 53 Resp: 16727

Ion Ratio Lower Upper

53 100

52 84.0 67.4 101.2

51 38.7 30.2 45.2



#16

Acetone

Concen: 255.168 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007655.D

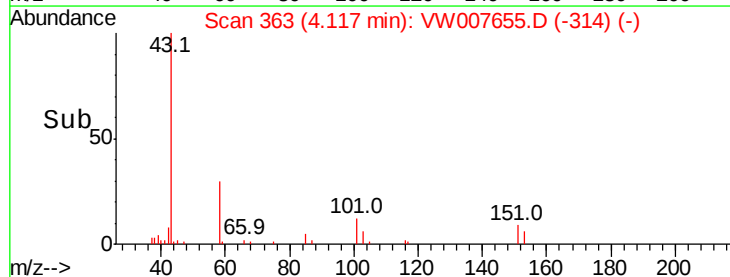
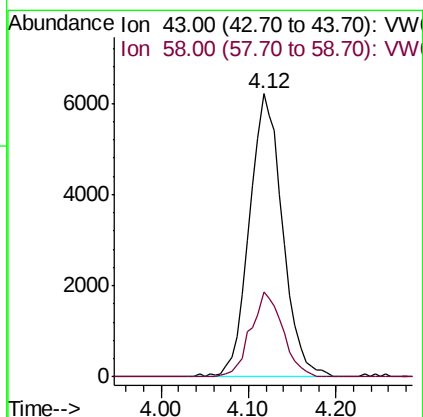
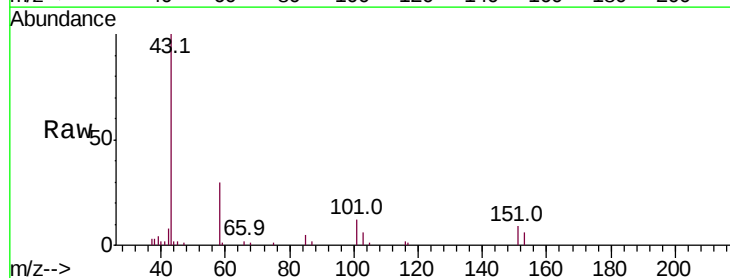
Acq: 18 Dec 2018 13:51

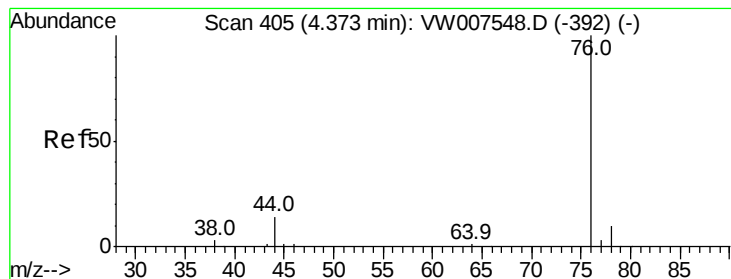
Tgt Ion: 43 Resp: 16367

Ion Ratio Lower Upper

43 100

58 30.1 24.9 37.3





#17

Carbon Disulfide

Concen: 50.243 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

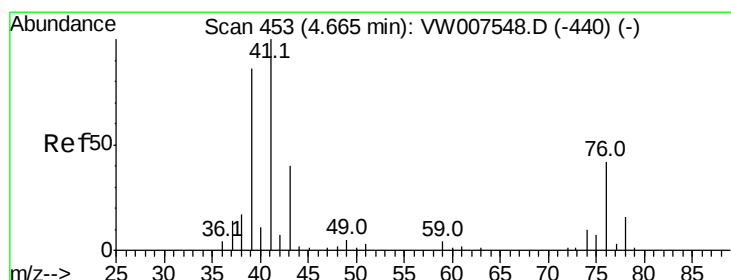
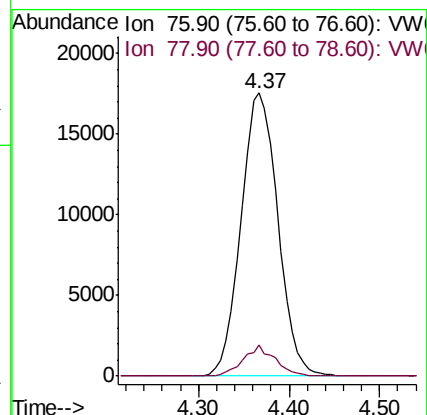
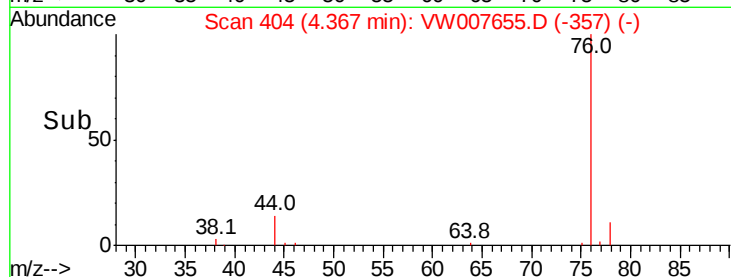
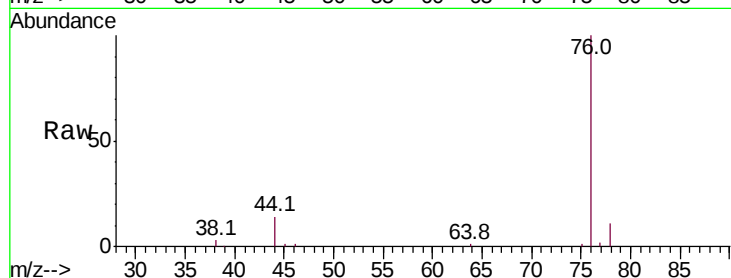
ClientSampleId :

Tot Ion: 76 Resp: 49465

Ion Ratio Lower Upper

76 100

78 10.9 7.1 10.7#



#18

Methyl Acetate

Concen: 163.038 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW007655.D

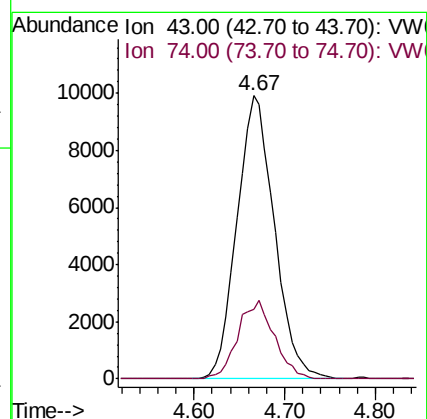
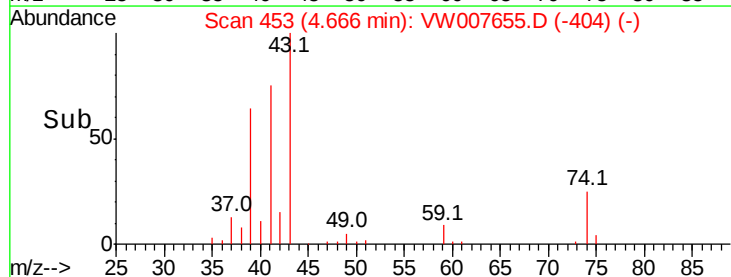
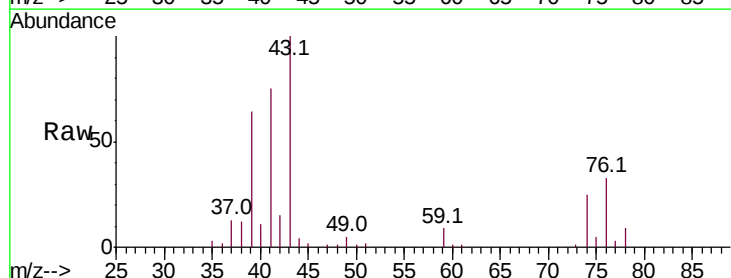
Acq: 18 Dec 2018 13:51

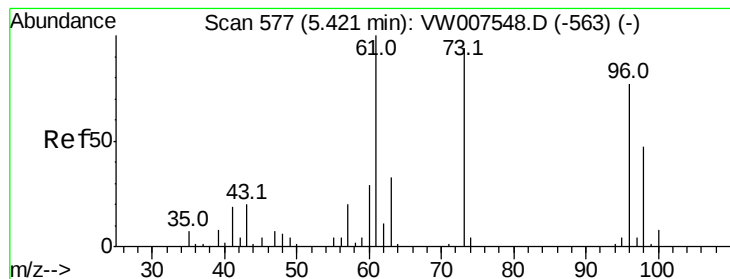
Tgt Ion: 43 Resp: 28383

Ion Ratio Lower Upper

43 100

74 26.9 21.1 31.7



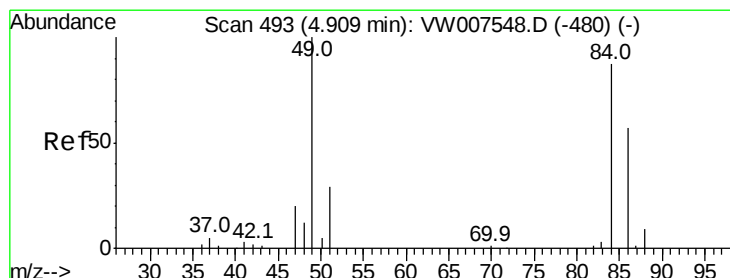
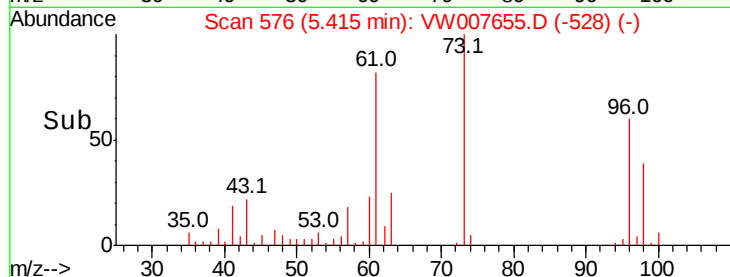
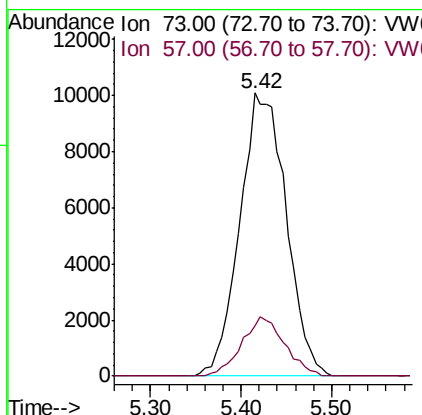
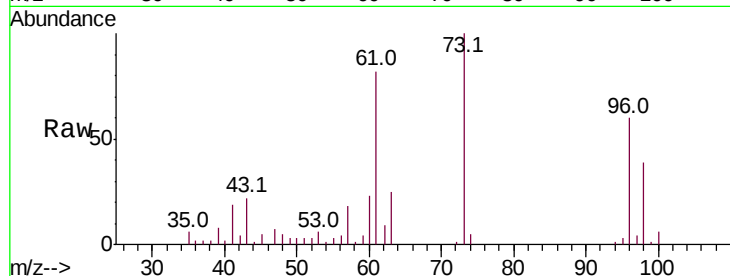


#19

Methyl tert-butyl Ether
 Concen: 72.892 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Instrument :
 MSVOA_W
 ClientSampled :

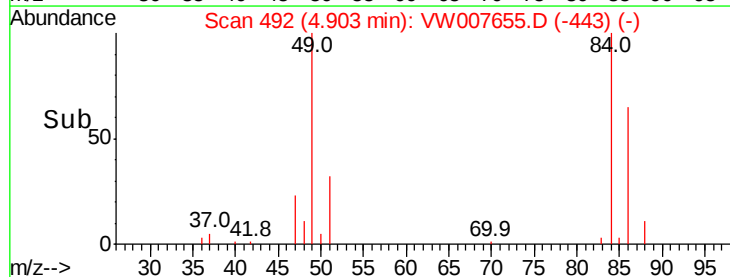
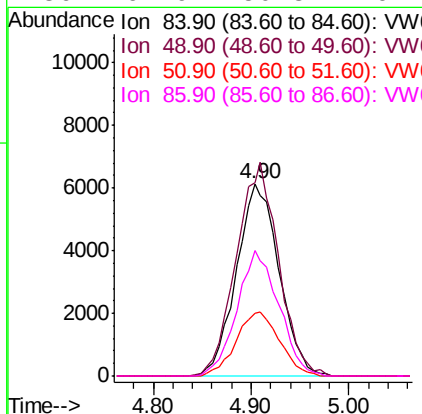
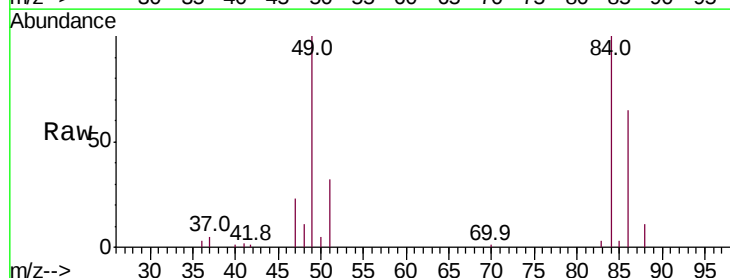
Tot Ion: 73 Resp: 35705
 Ion Ratio Lower Upper
 73 100
 57 17.7 16.4 24.6

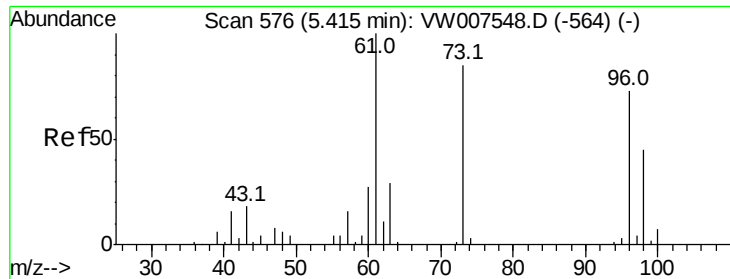


#20

Methylene Chloride
 Concen: 53.179 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion: 84 Resp: 18566
 Ion Ratio Lower Upper
 84 100
 49 100.4 87.1 130.7
 51 32.3 28.2 42.2
 86 64.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.245 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

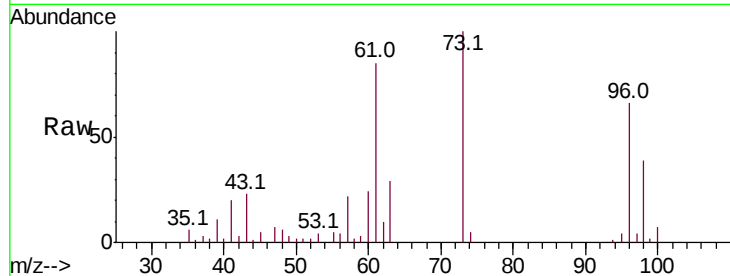
Tot Ion: 96 Resp: 18977

Ion Ratio Lower Upper

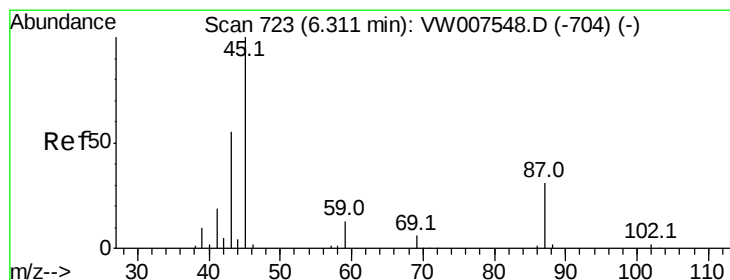
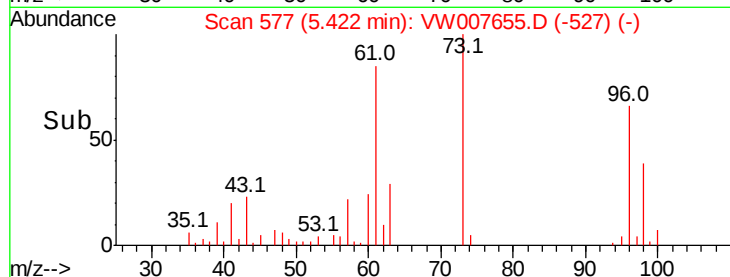
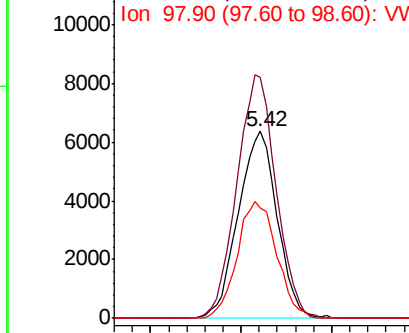
96 100

61 128.8 105.0 157.6

98 59.4 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: 51.443 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Tgt Ion: 45 Resp: 47326

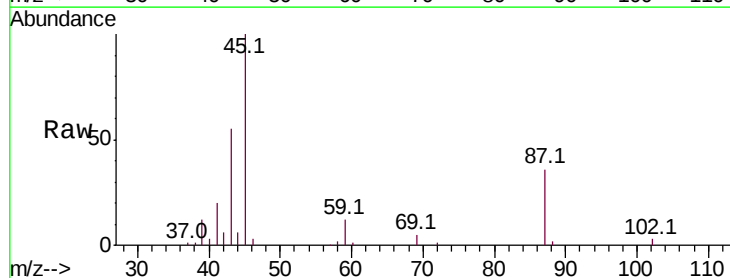
Ion Ratio Lower Upper

45 100

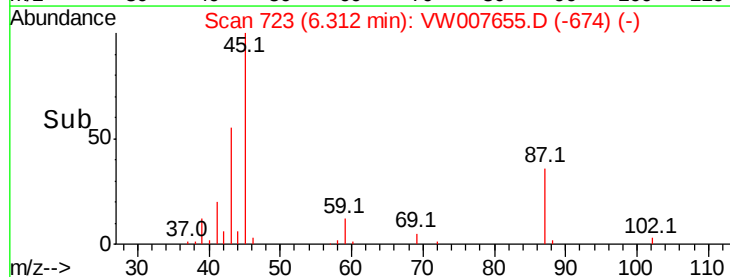
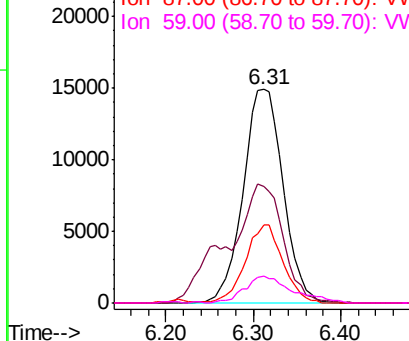
43 54.2 41.6 62.4

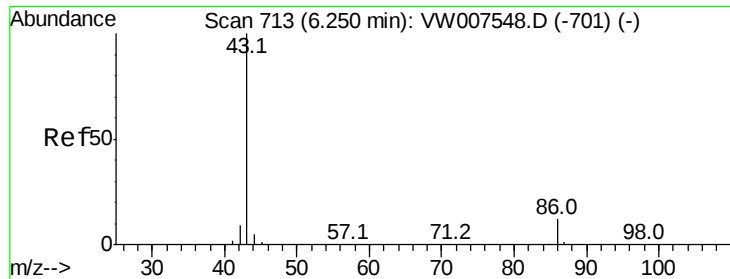
87 36.3 24.3 36.5

59 12.4 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: 15.057 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

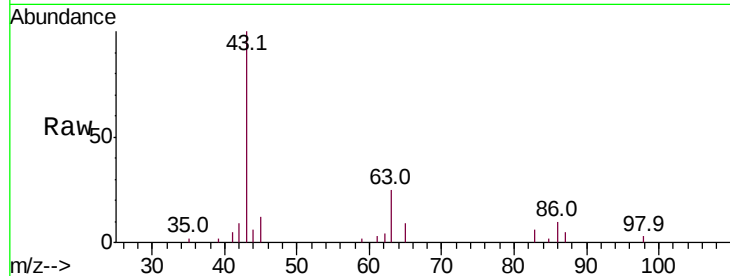
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 7748

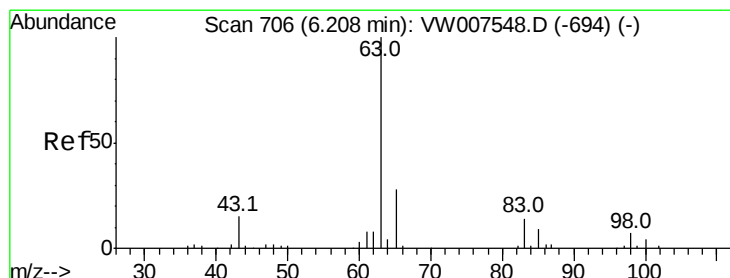
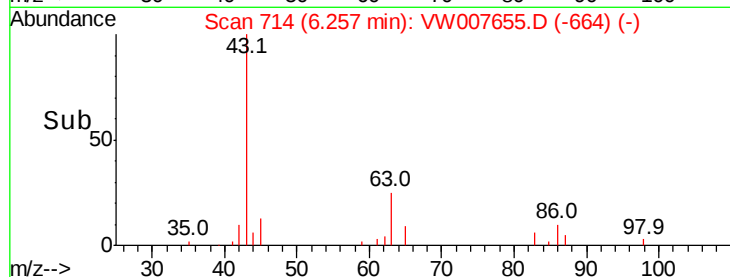
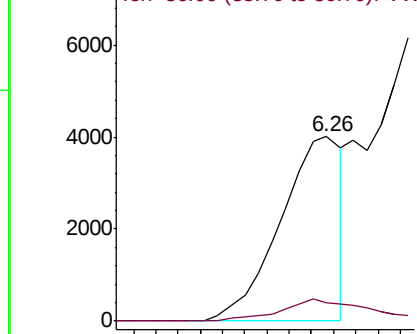
Ion Ratio Lower Upper

43 100

86 10.0 8.6 12.8



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



#24

1,1-Dichloroethane

Concen: 52.341 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

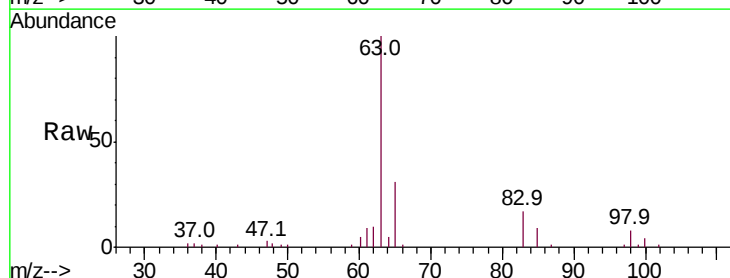
Tgt Ion: 63 Resp: 32544

Ion Ratio Lower Upper

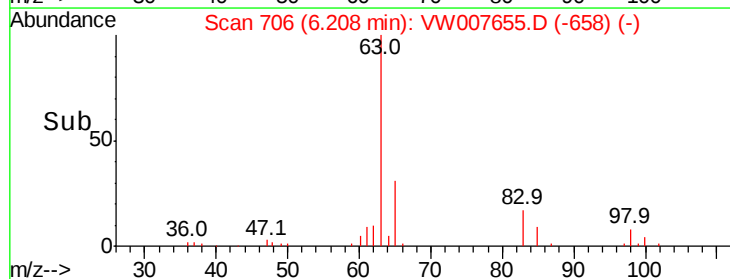
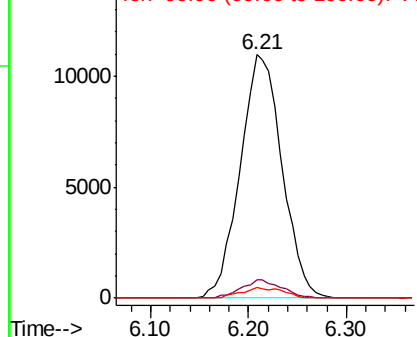
63 100

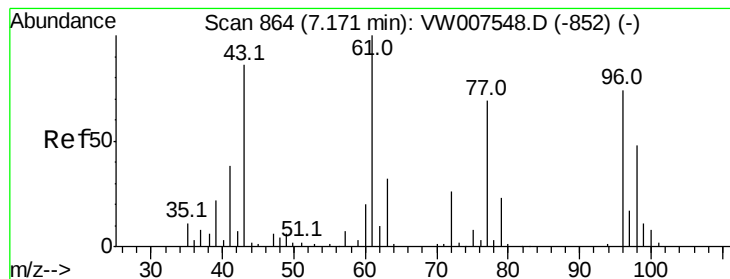
98 7.7 3.5 10.4

100 4.5 2.5 7.5



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





#25

2-Butanone

Concen: 273.927 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

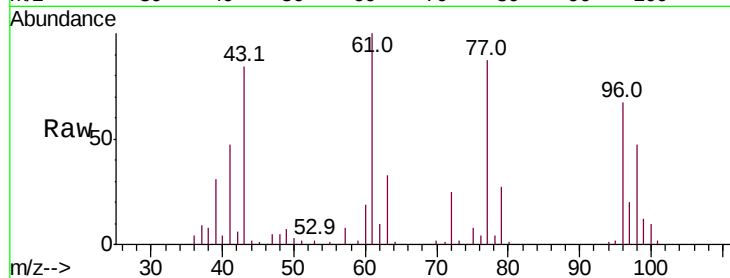
ClientSampled :

Tot Ion: 43 Resp: 22938

Ion Ratio Lower Upper

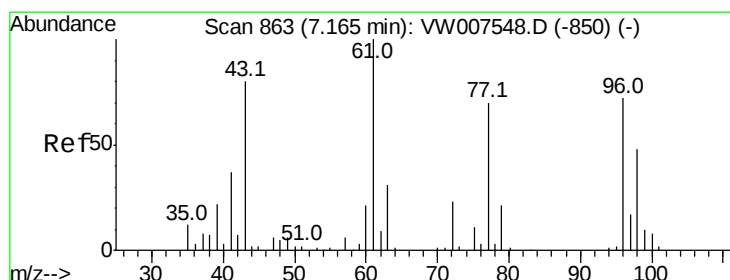
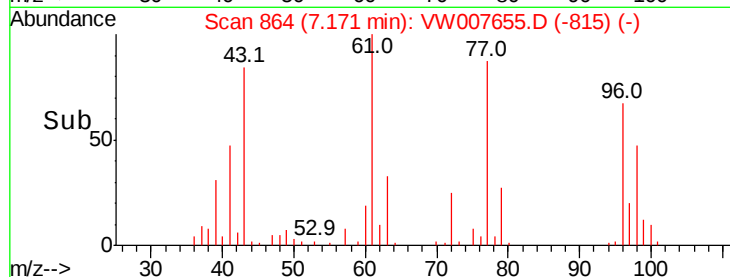
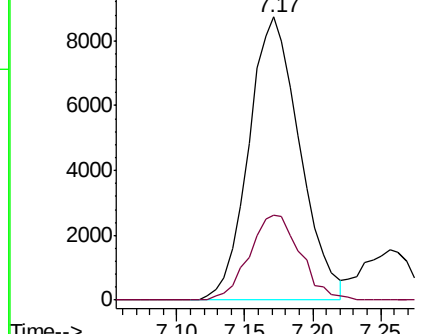
43 100

72 29.9 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 69.497 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007655.D

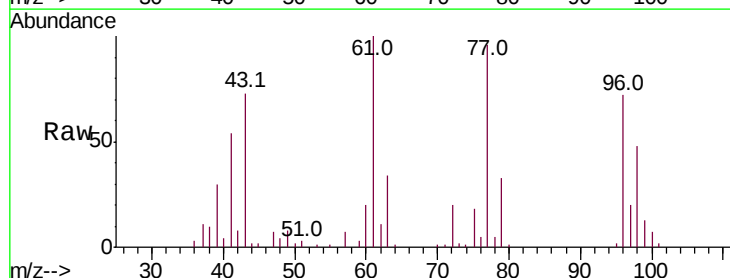
Acq: 18 Dec 2018 13:51

Tgt Ion: 77 Resp: 28598

Ion Ratio Lower Upper

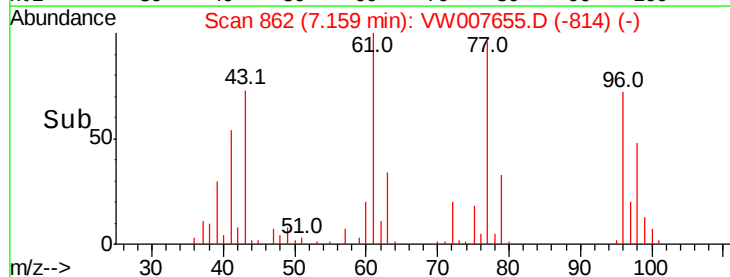
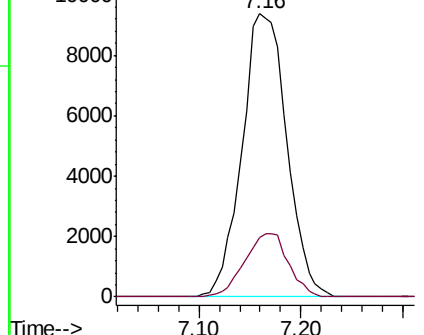
77 100

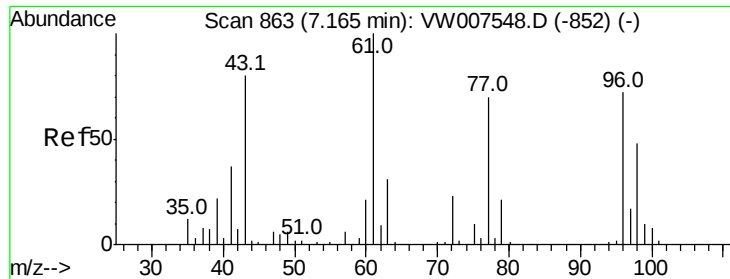
97 21.9 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

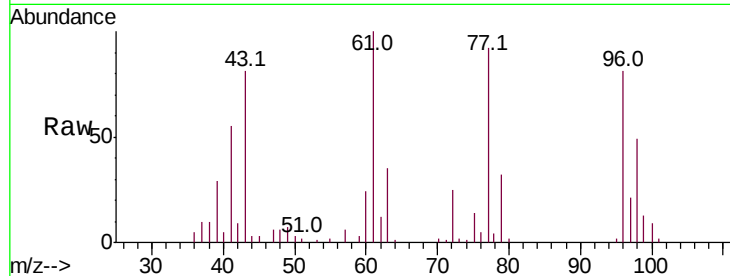




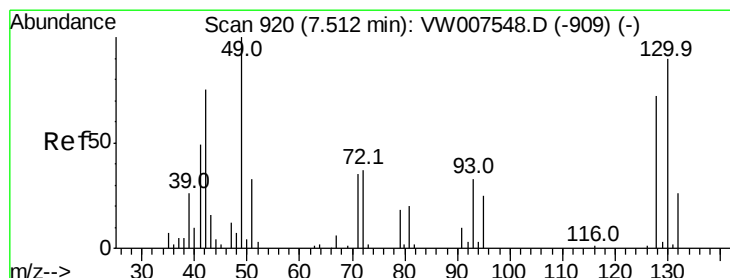
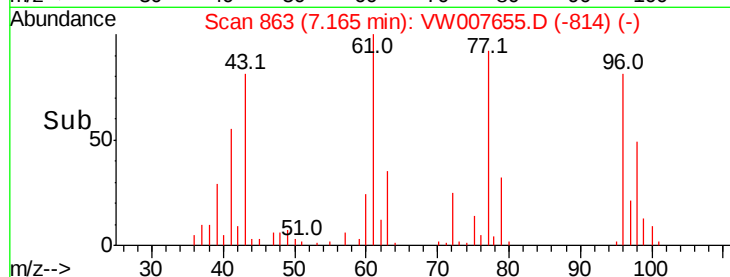
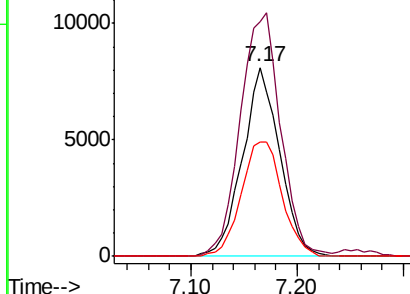
#27
 cis-1,2-Dichloroethene
 Concen: 49.995 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 19884
 Ion Ratio Lower Upper
 96 100
 61 140.0 0.0 268.4
 98 66.6 0.0 127.8

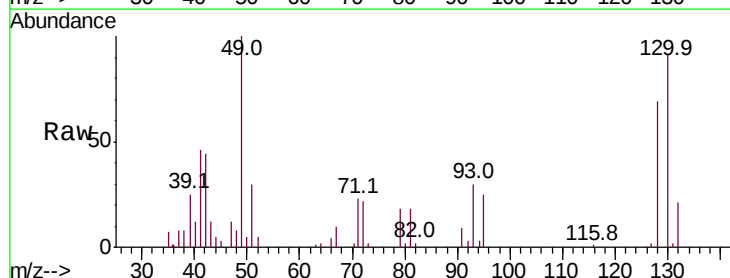


Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW

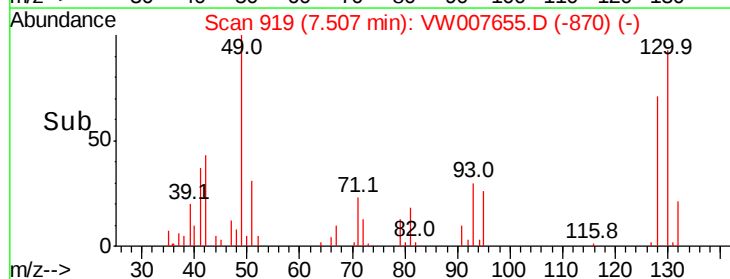
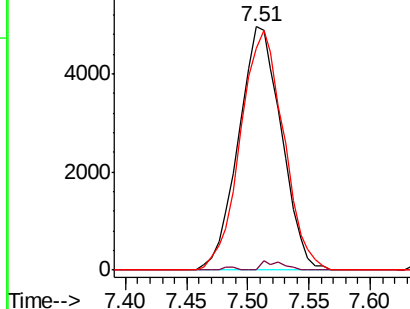


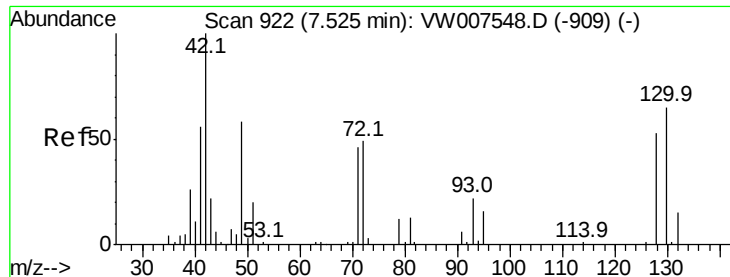
#28
 Bromochloromethane
 Concen: 51.792 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion: 49 Resp: 12113
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.6
 130 98.9 75.9 113.9



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





#29

Tetrahydrofuran

Concen: 286.485 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampled :

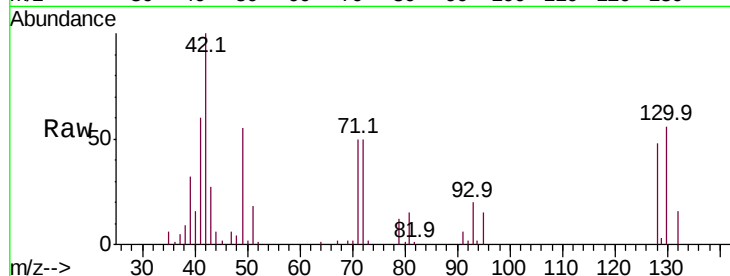
Tot Ion: 42 Resp: 15187

Ion Ratio Lower Upper

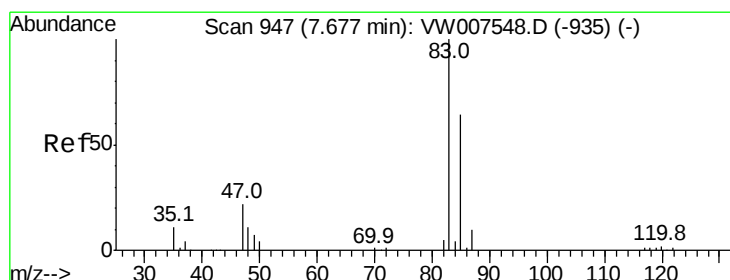
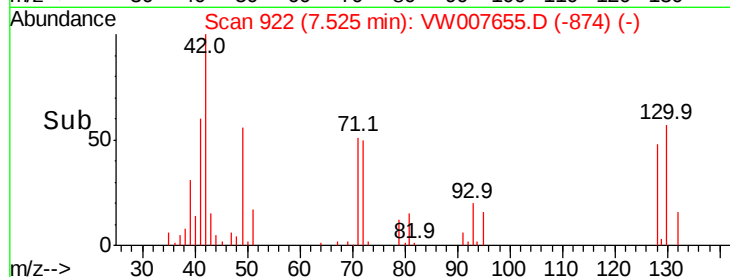
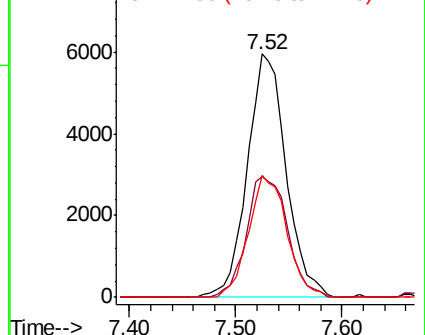
42 100

72 52.7 38.2 57.4

71 49.6 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: 52.254 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007655.D

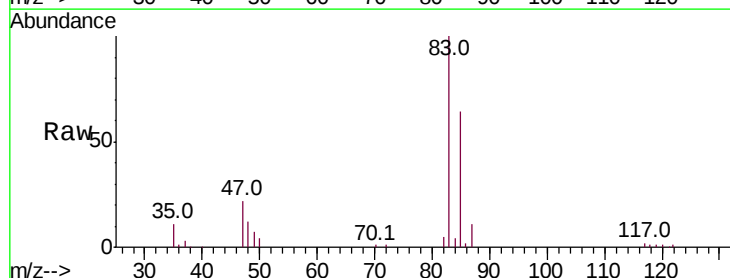
Acq: 18 Dec 2018 13:51

Tgt Ion: 83 Resp: 35357

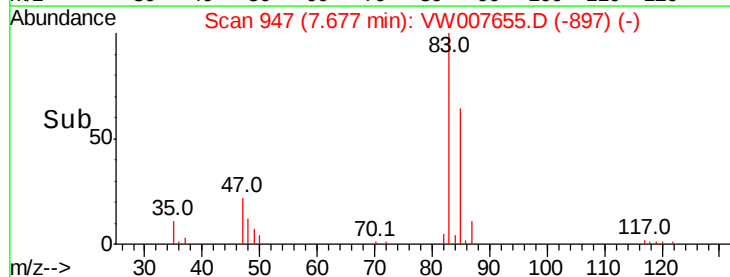
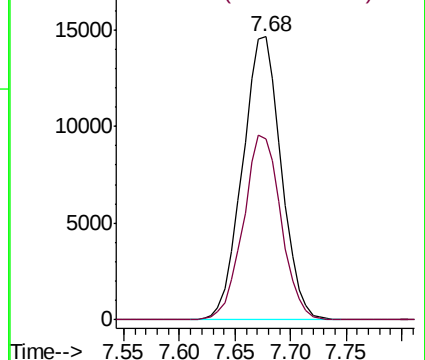
Ion Ratio Lower Upper

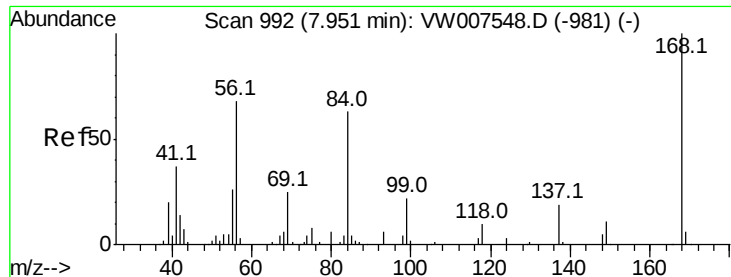
83 100

85 64.1 51.8 77.8



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

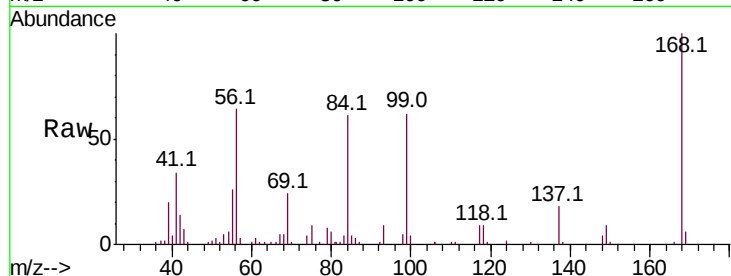




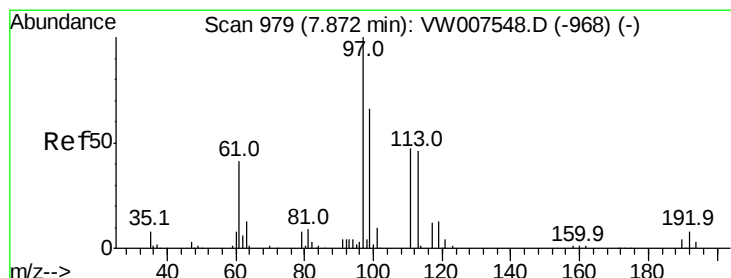
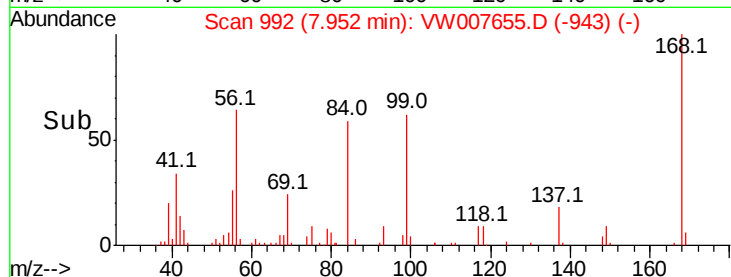
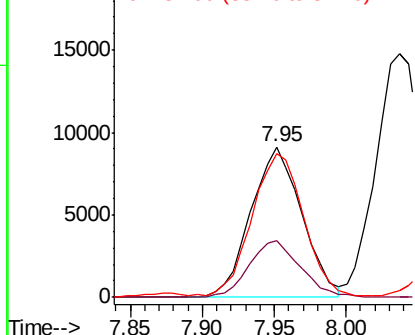
#31
Cyclohexane
Concen: 39.320 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 22431
Ion Ratio Lower Upper
56 100
69 37.7 28.9 43.3
84 93.9 71.8 107.6

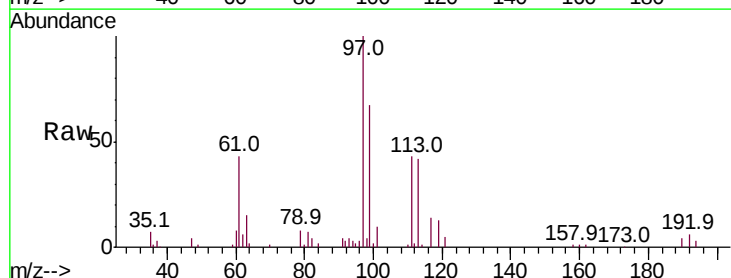


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

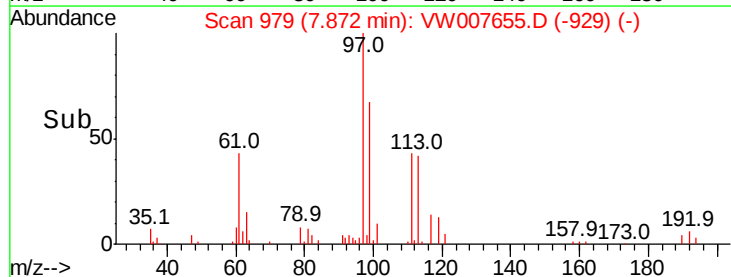
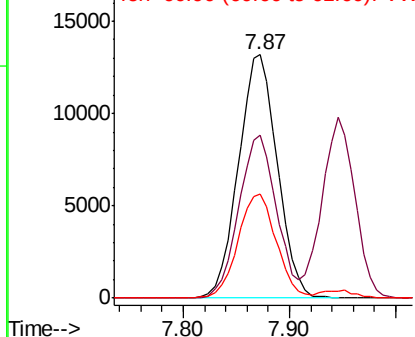


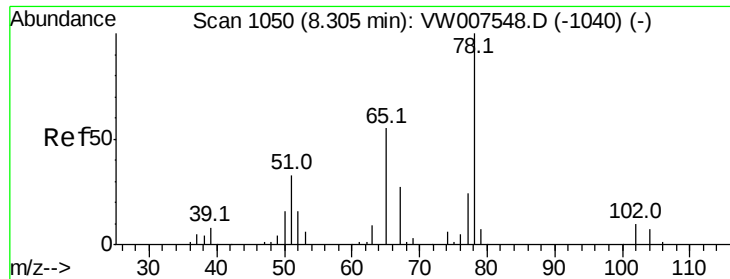
#32
1,1,1-Trichloroethane
Concen: 56.699 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 97 Resp: 33643
Ion Ratio Lower Upper
97 100
99 65.4 51.1 76.7
61 42.2 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

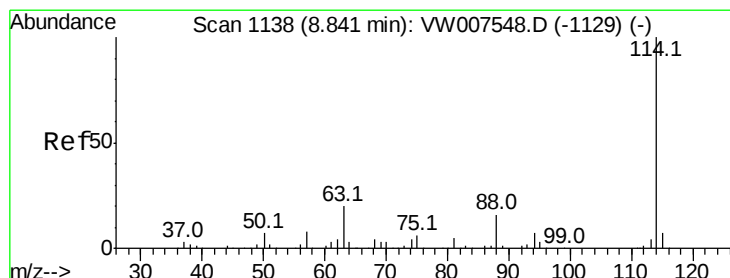
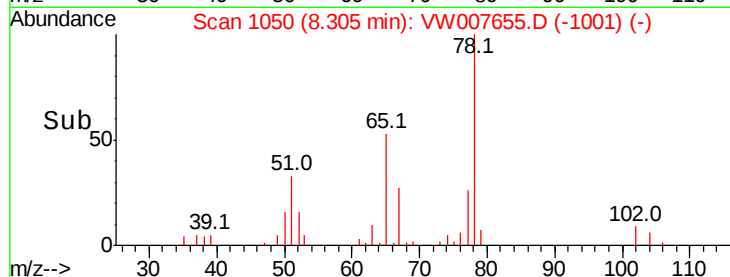
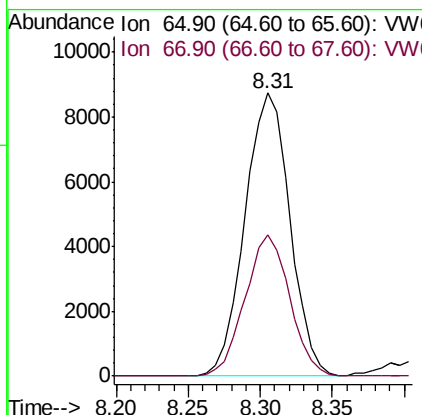
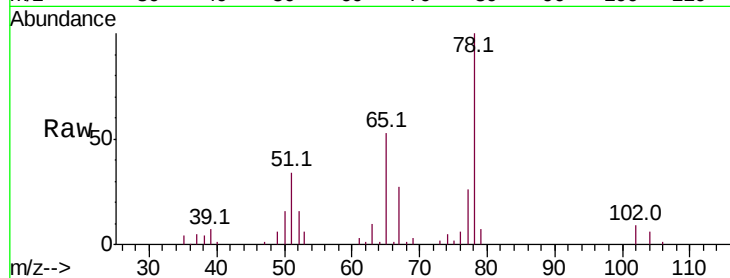




#33
 1,2-Dichloroethane-d4
 Concen: 51.463 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

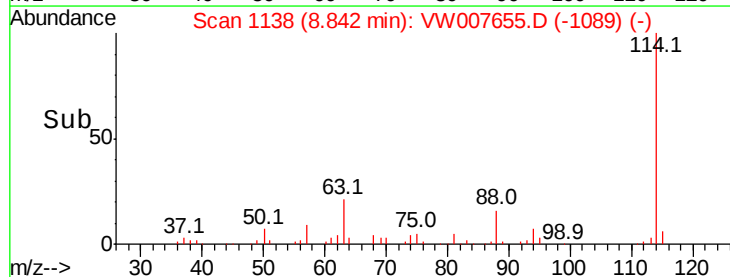
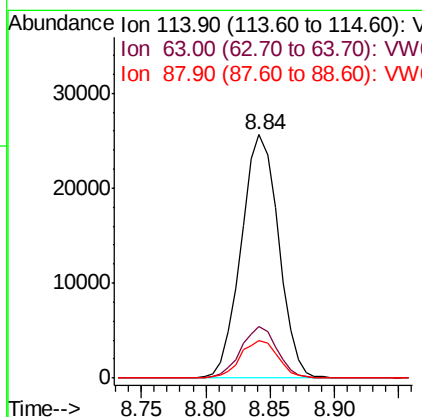
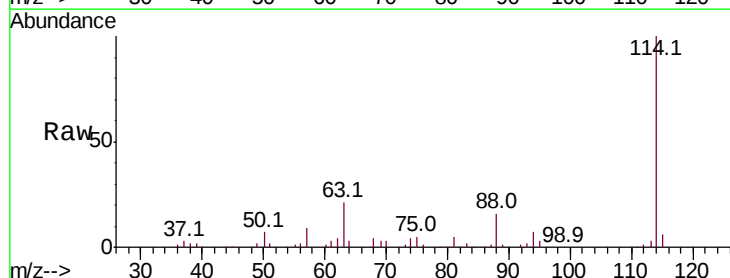
Instrument :
 MSVOA_W
 ClientSampleId :

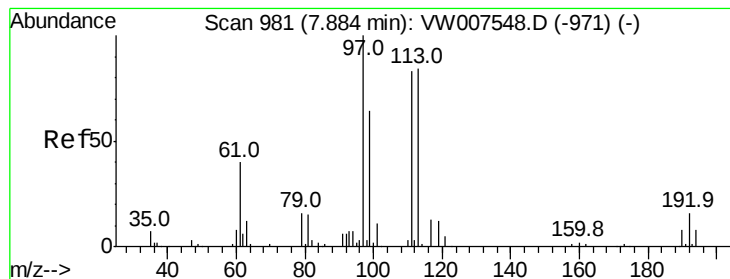
Tot Ion: 65 Resp: 18898
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion: 114 Resp: 51550
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.6
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.465 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :
MSVOA_W
ClientSampled :

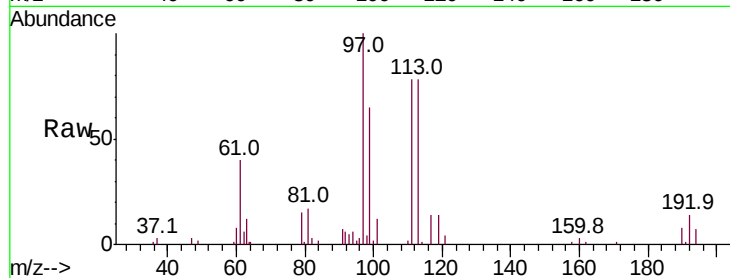
Tot Ion:113 Resp: 16372

Ion Ratio Lower Upper

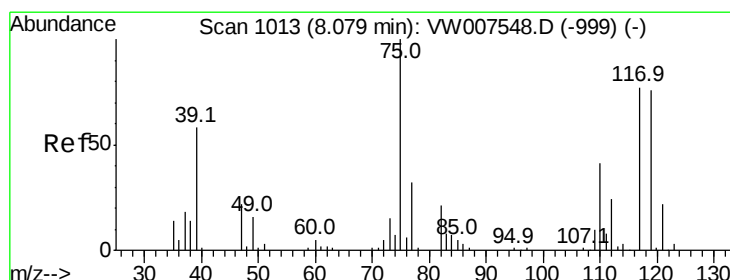
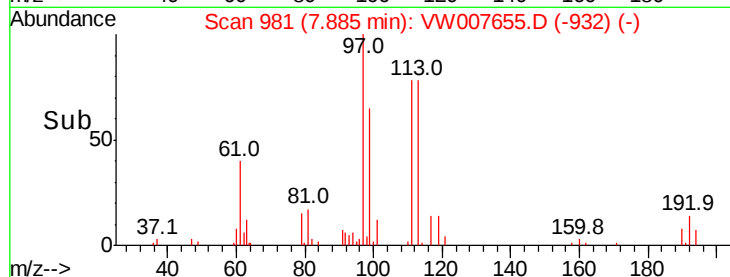
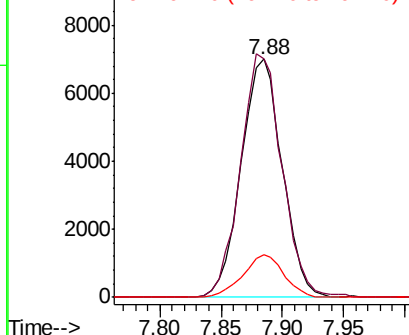
113 100

111 103.1 81.1 121.7

192 17.8 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.245 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

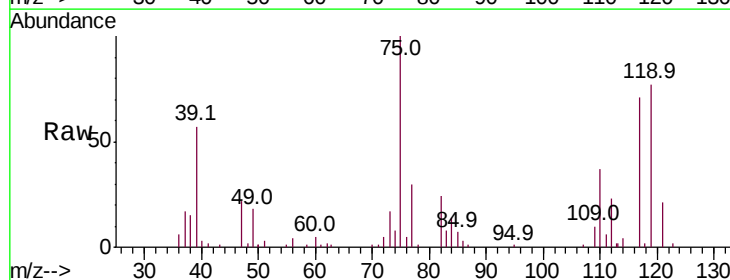
Tgt Ion: 75 Resp: 25039

Ion Ratio Lower Upper

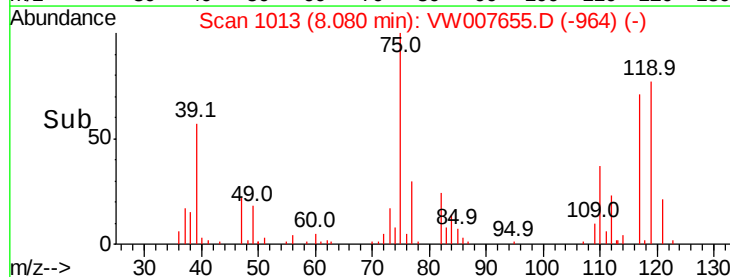
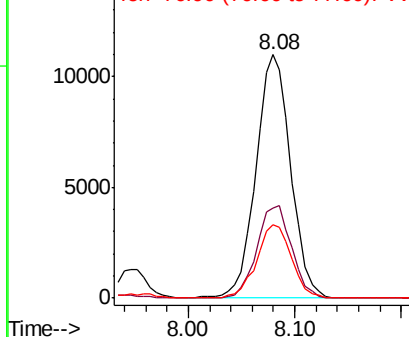
75 100

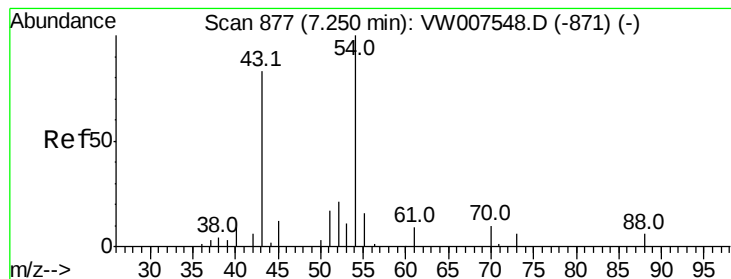
110 37.7 18.5 55.5

77 30.3 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 23.607 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampled :

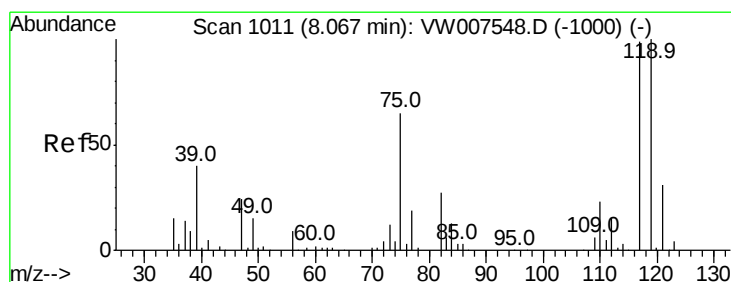
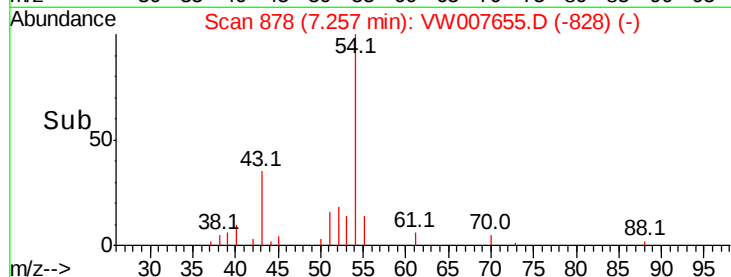
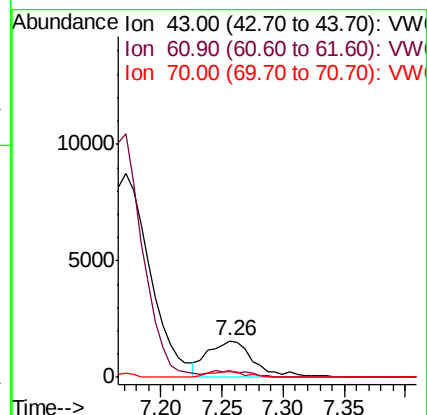
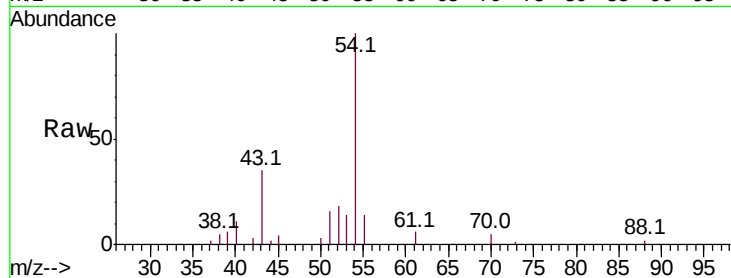
Tot Ion: 43 Resp: 4129

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 12.3 10.0 15.0



#38

Carbon Tetrachloride

Concen: 58.078 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

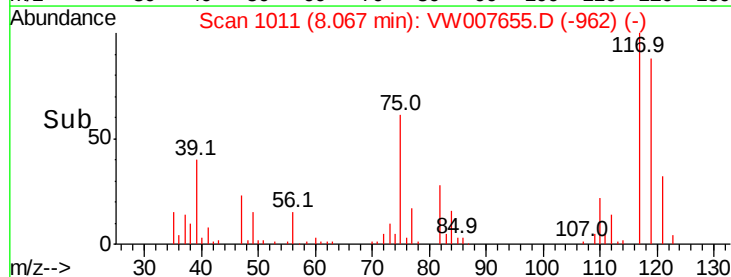
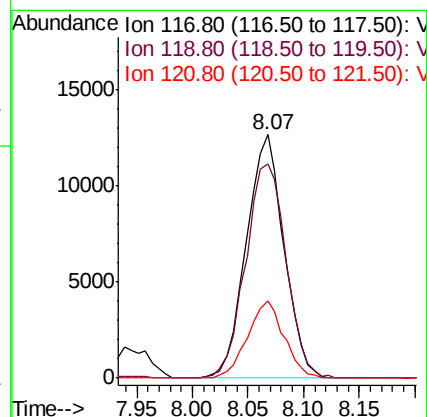
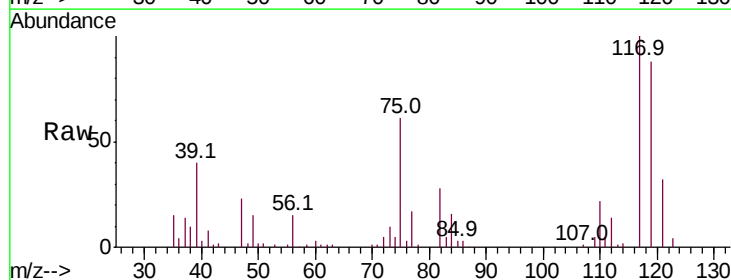
Tgt Ion: 117 Resp: 29717

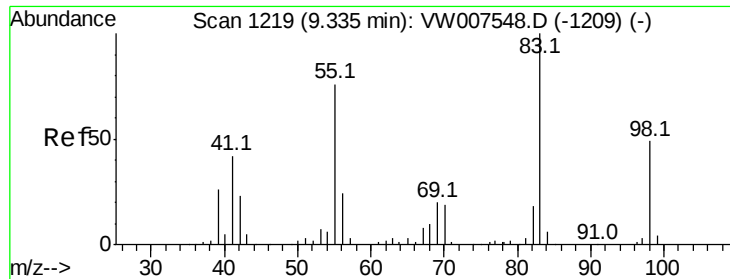
Ion Ratio Lower Upper

117 100

119 88.0 74.3 111.5

121 31.7 24.3 36.5

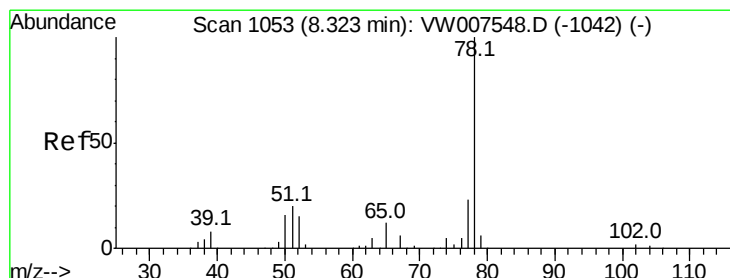
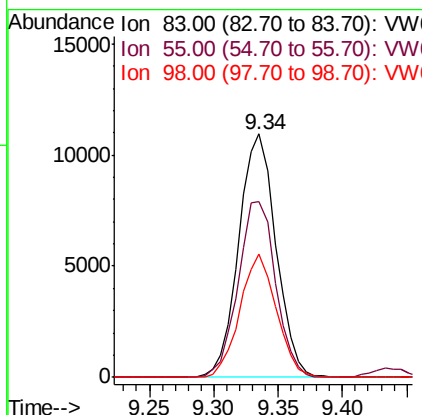
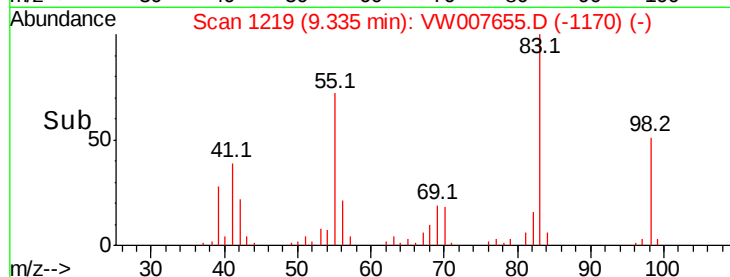
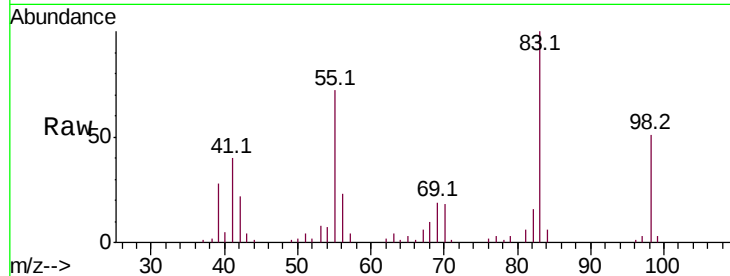




#39
Methvlcvclohexane
Concen: 38.403 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

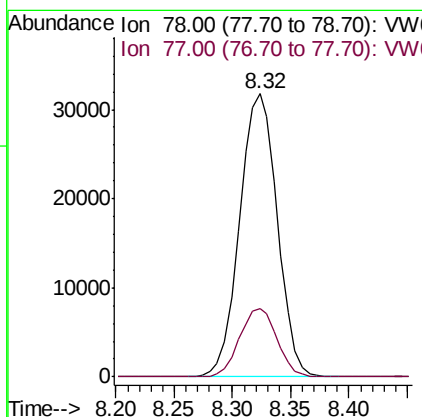
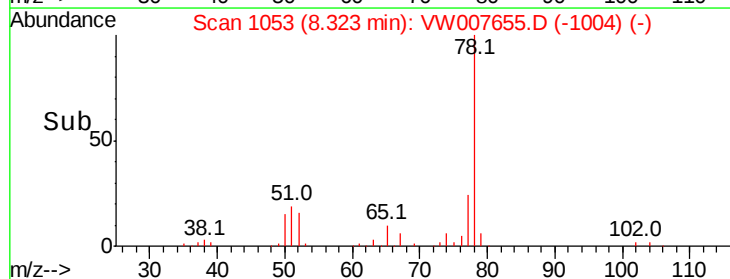
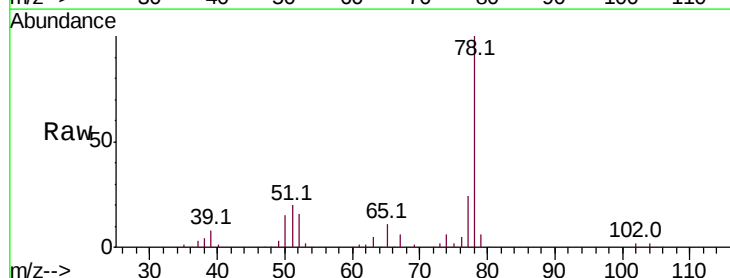
Instrument :
MSVOA_W
ClientSampled :

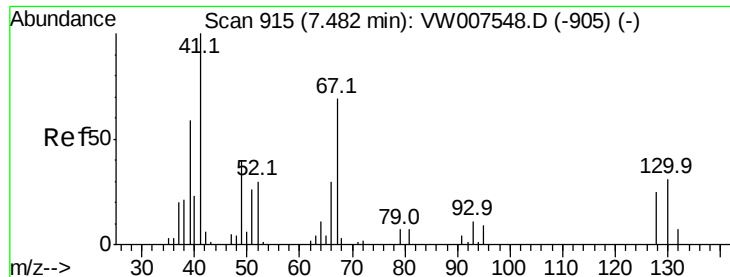
Tot Ion: 83 Resp: 21868
Ion Ratio Lower Upper
83 100
55 72.3 62.8 94.2
98 50.6 42.2 63.2



#40
Benzene
Concen: 54.754 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 78 Resp: 71457
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

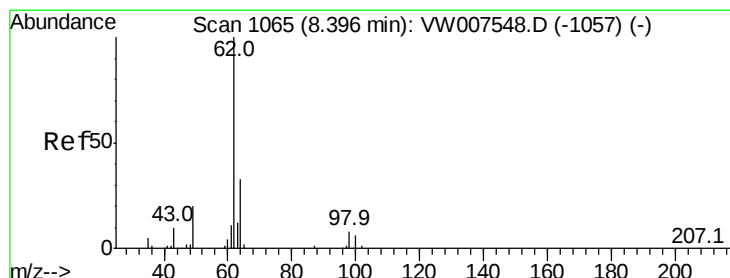
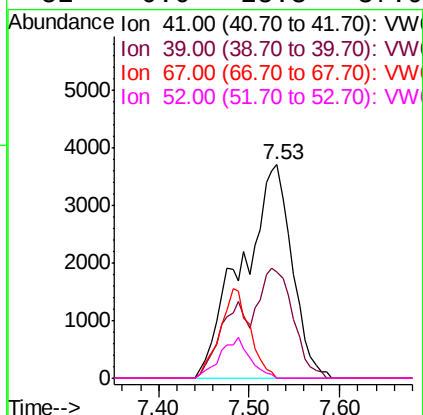
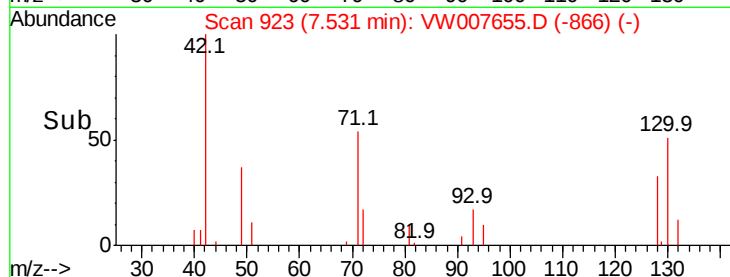
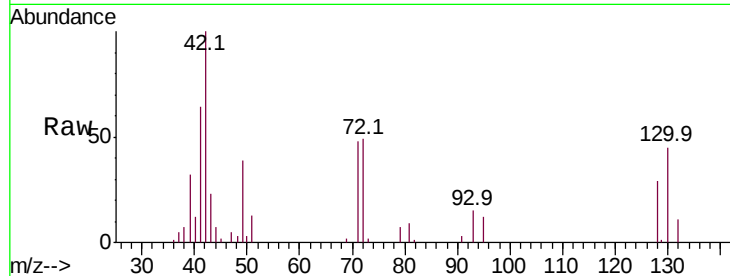




#41
Methacrylonitrile
Concen: 142.057 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

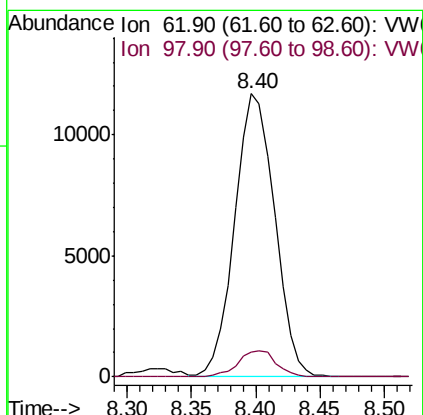
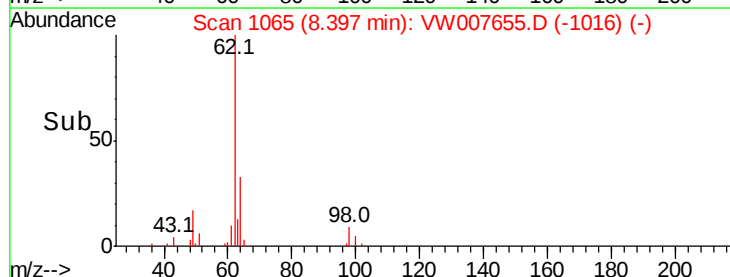
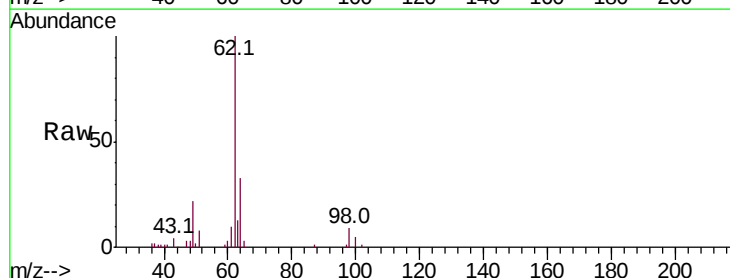
Instrument :
MSVOA_W
ClientSampled :

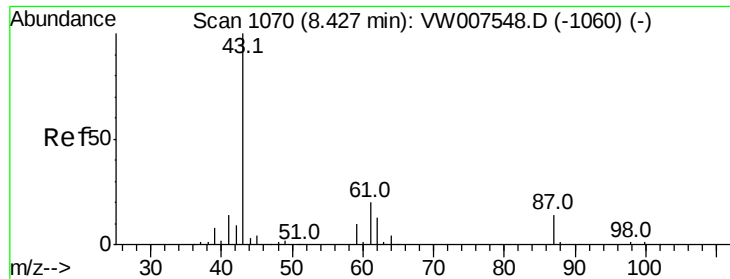
Tot Ion: 41 Resp: 14149
Ion Ratio Lower Upper
41 100
39 35.6 52.2 78.2#
67 0.0 60.5 90.7#
52 0.0 25.3 37.9#



#42
1,2-Dichloroethane
Concen: 61.571 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 62 Resp: 25241
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.6





#43

Isopropyl Acetate

Concen: 29.361 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

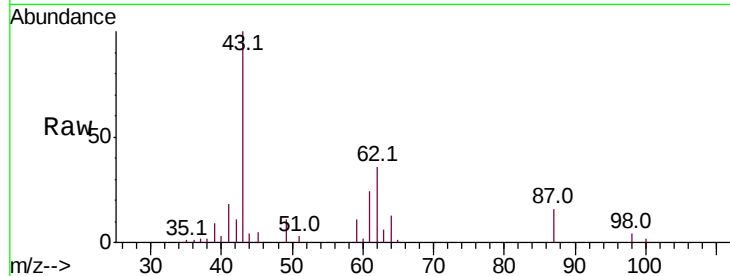
Tot Ion: 43 Resp: 10144

Ion Ratio Lower Upper

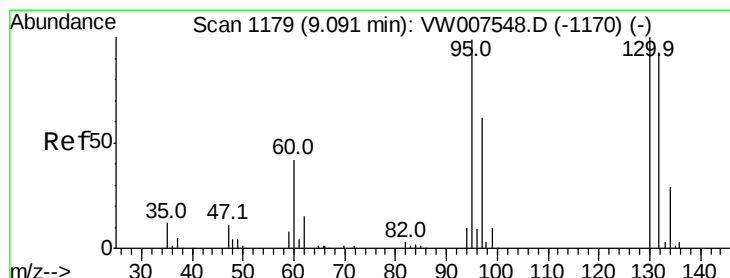
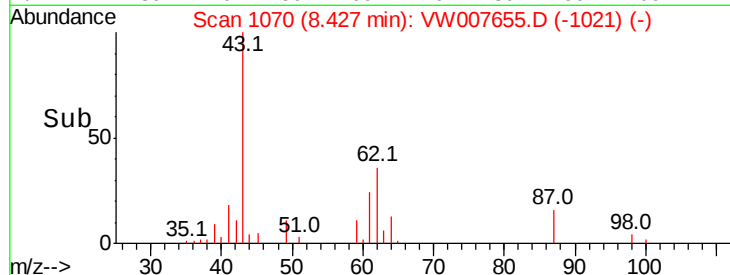
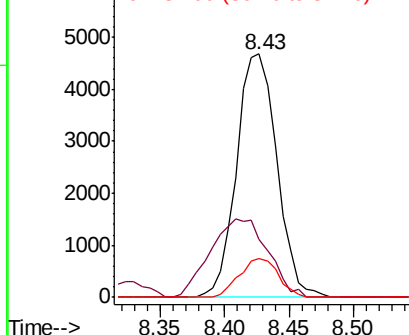
43 100

61 46.2 25.3 37.9#

87 15.3 11.8 17.8



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



#44

Trichloroethene

Concen: 54.003 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007655.D

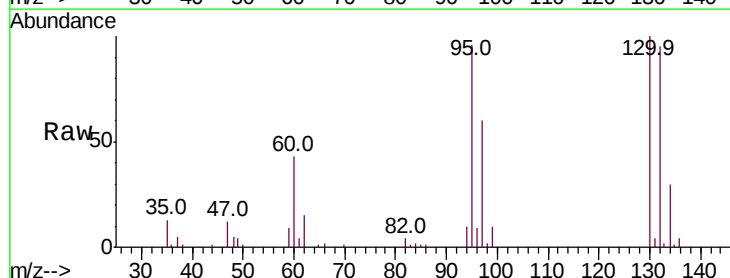
Acq: 18 Dec 2018 13:51

Tgt Ion:130 Resp: 20125

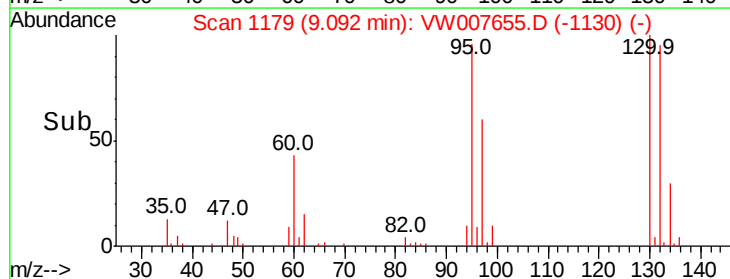
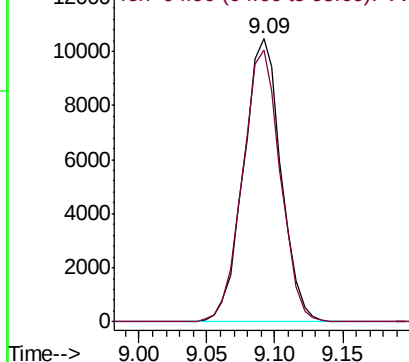
Ion Ratio Lower Upper

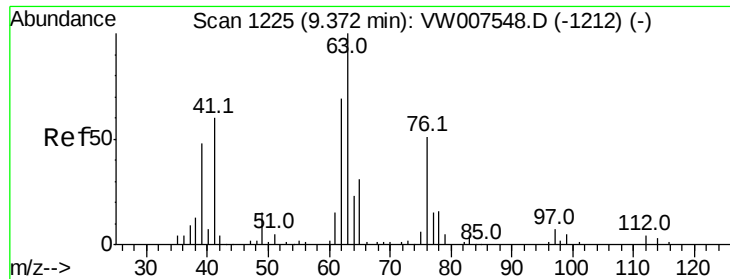
130 100

95 95.9 0.0 193.2



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

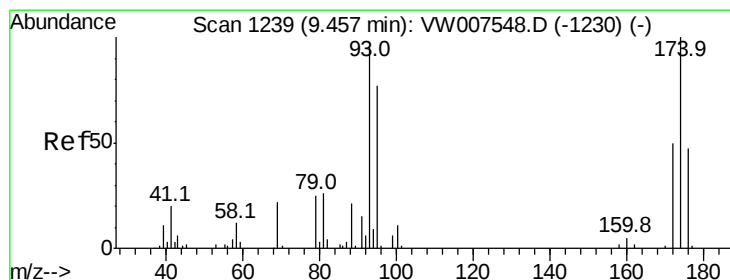
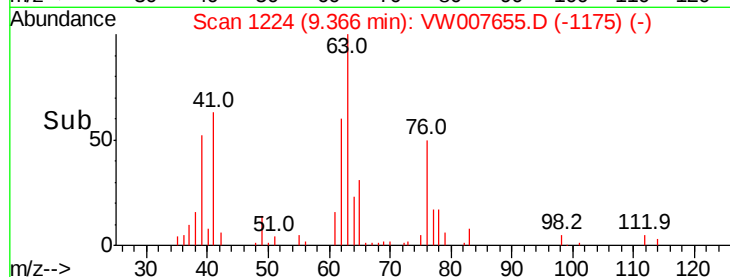
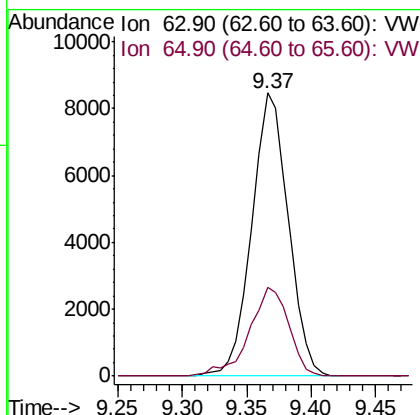
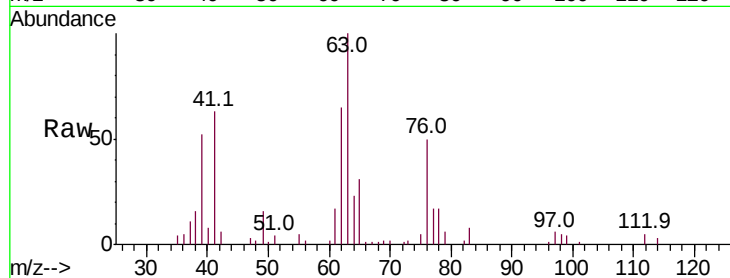




#45
 1,2-Dichloropropane
 Concen: 54.960 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

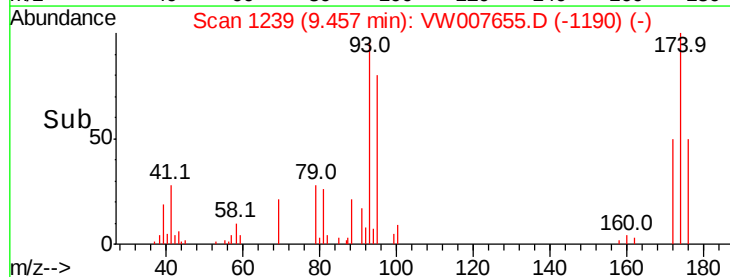
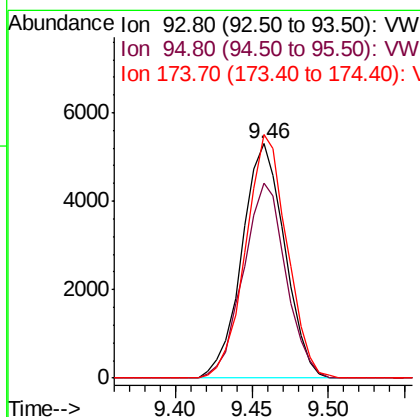
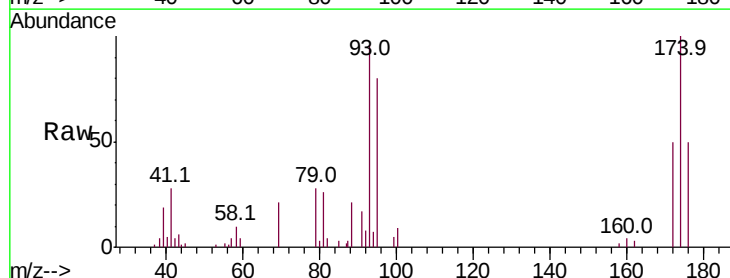
Instrument :
 MSVOA_W
 ClientSampled :

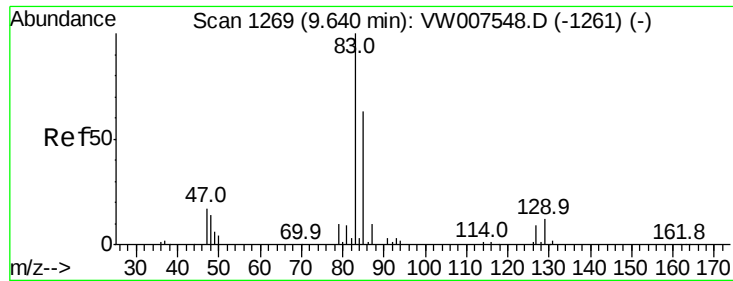
Tot Ion: 63 Resp: 16598
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.4 36.6



#46
 Dibromomethane
 Concen: 60.127 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion: 93 Resp: 10312
 Ion Ratio Lower Upper
 93 100
 95 82.5 68.0 102.0
 174 100.1 83.2 124.8





#47

Bromodichloromethane

Concen: 56.369 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

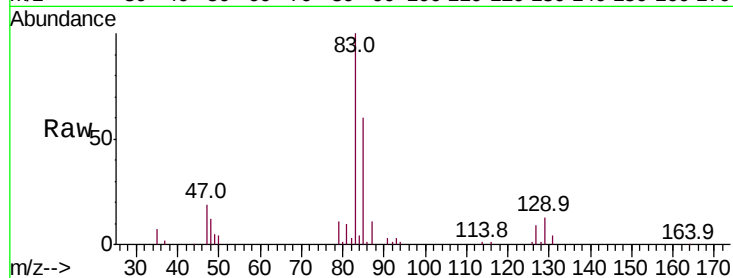
Tot Ion: 83 Resp: 25358

Ion Ratio Lower Upper

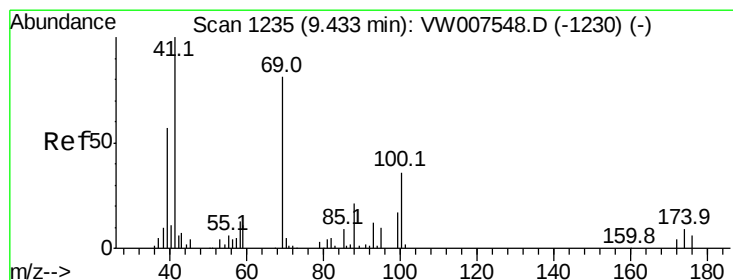
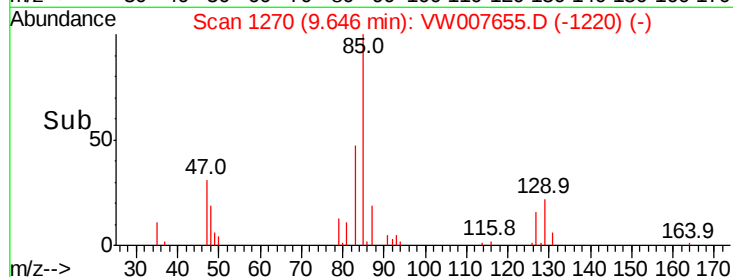
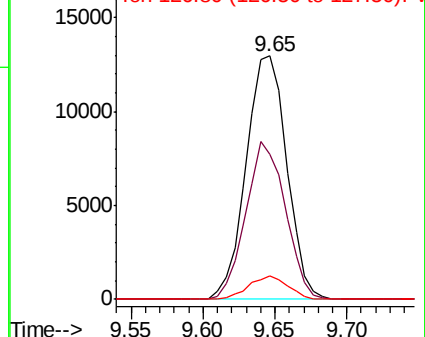
83 100

85 59.6 47.6 71.4

127 9.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 64.992 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

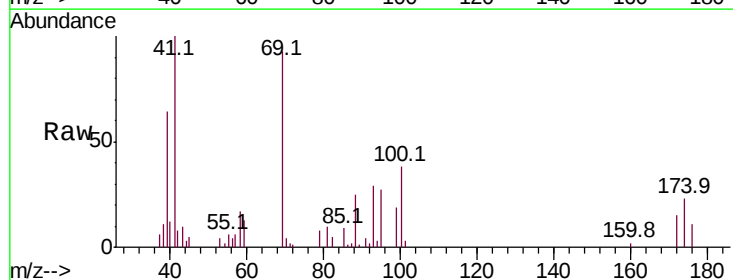
Tgt Ion: 41 Resp: 11532

Ion Ratio Lower Upper

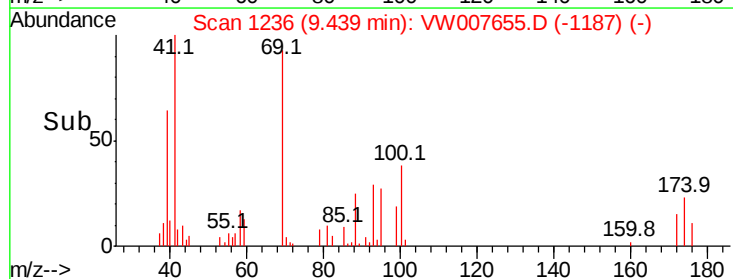
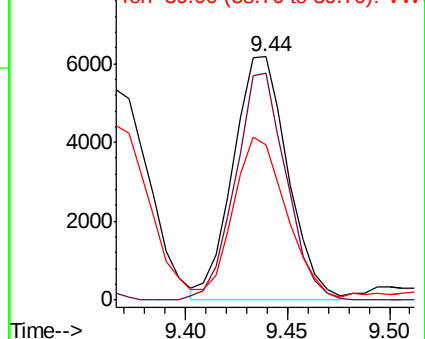
41 100

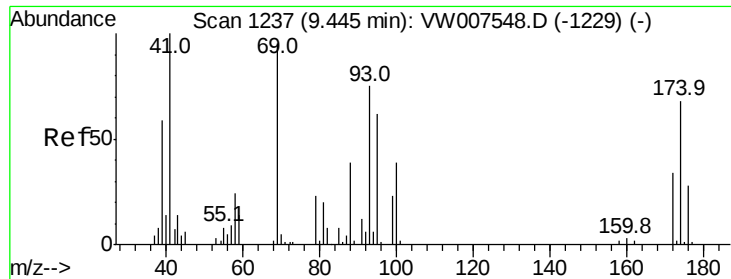
69 86.6 69.8 104.8

39 65.0 50.9 76.3



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





#49

1,4-Dioxane

Concen: 1236.546 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :
MSVOA_W
ClientSampled :

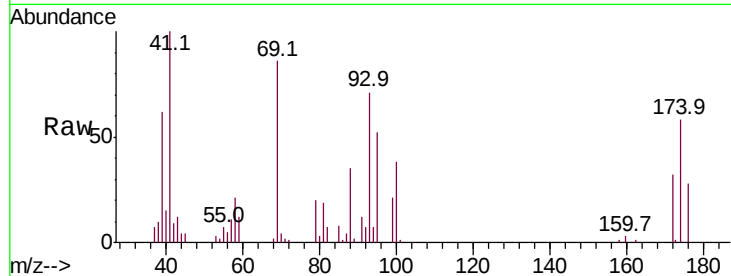
Tot Ion: 88 Resp: 3441

Ion Ratio Lower Upper

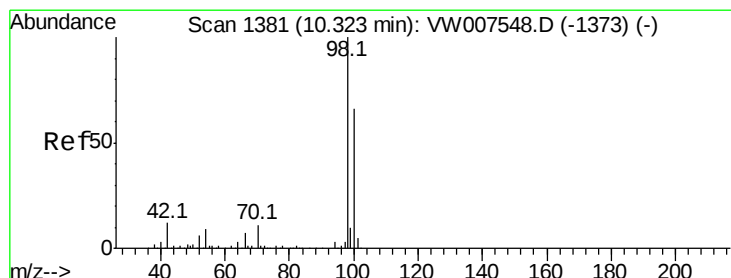
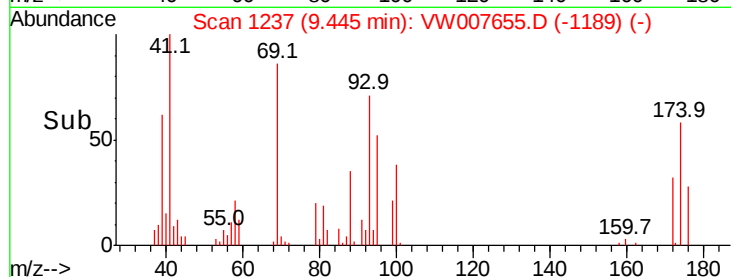
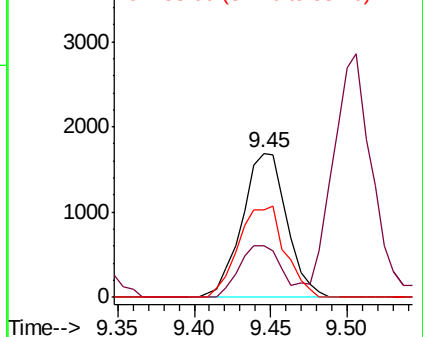
88 100

43 33.3 25.0 37.4

58 65.2 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: 47.569 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007655.D

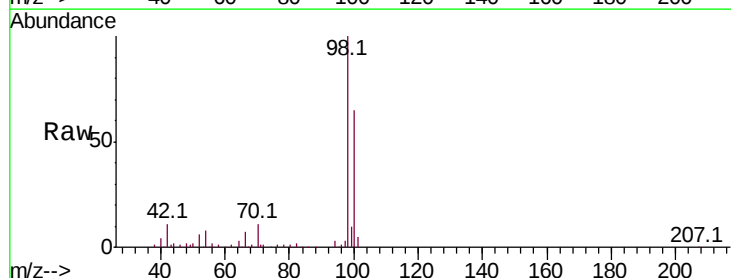
Acq: 18 Dec 2018 13:51

Tgt Ion: 98 Resp: 55657

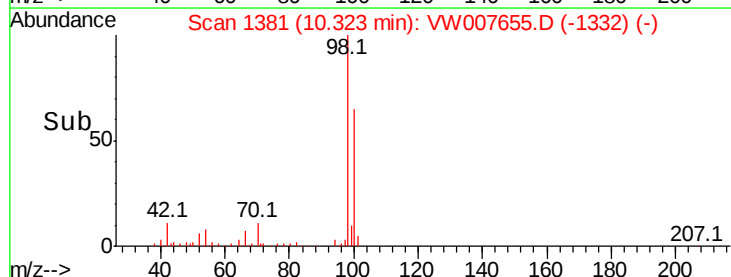
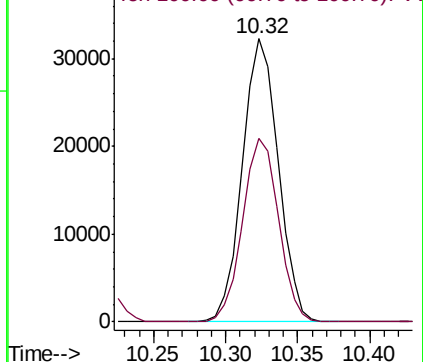
Ion Ratio Lower Upper

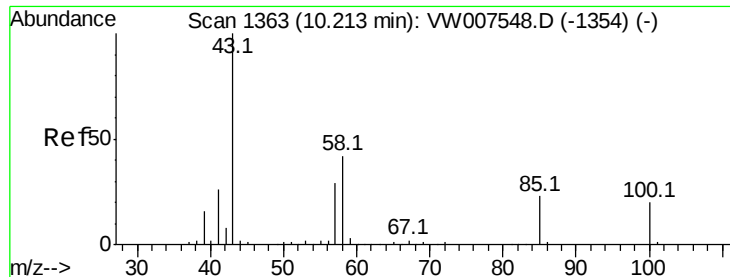
98 100

100 65.0 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: 304.132 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

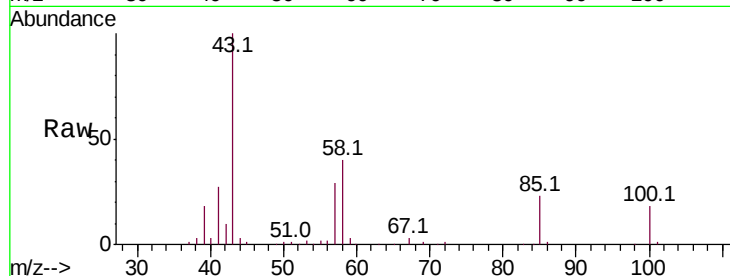
ClientSampleId :

Tot Ion: 43 Resp: 49648

Ion Ratio Lower Upper

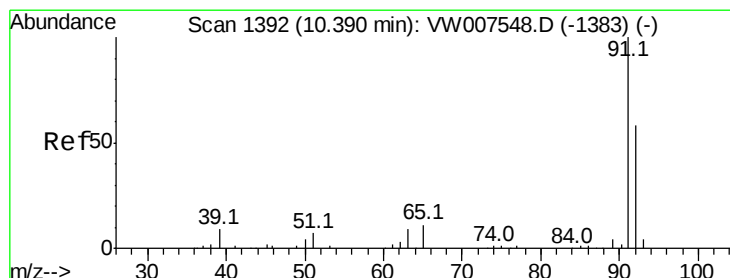
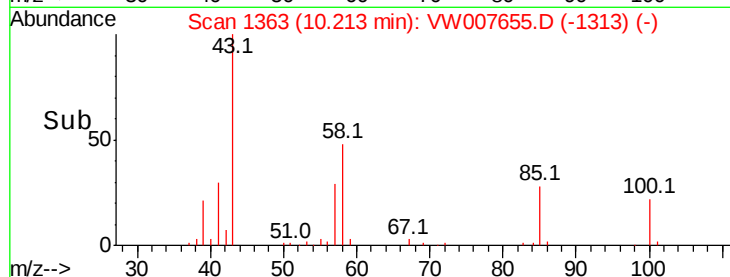
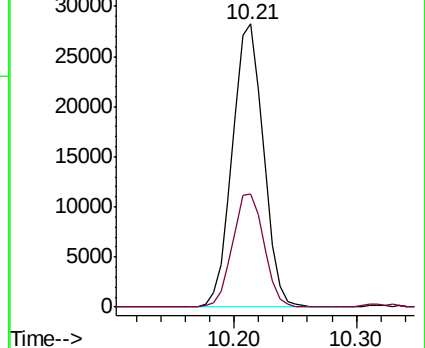
43 100

58 40.2 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 51.569 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007655.D

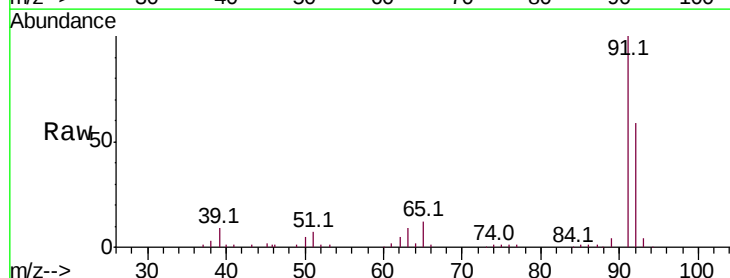
Acq: 18 Dec 2018 13:51

Tgt Ion: 92 Resp: 43553

Ion Ratio Lower Upper

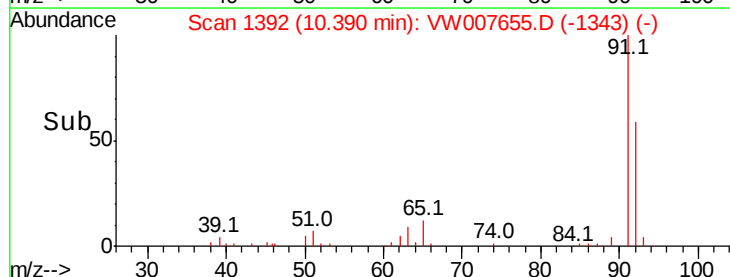
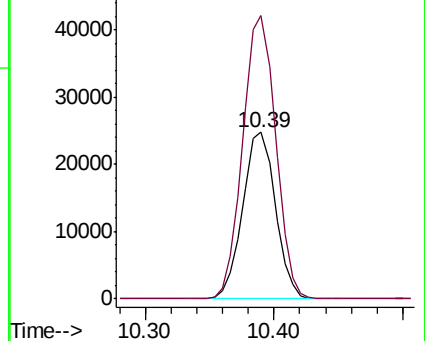
92 100

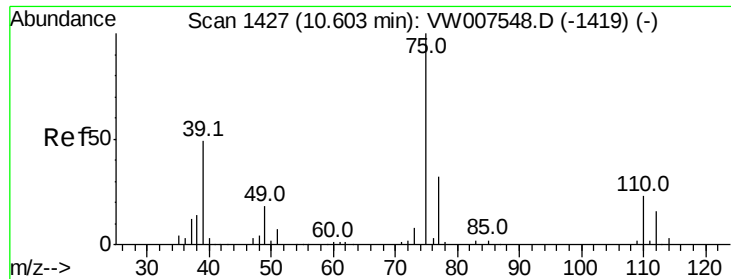
91 171.1 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 51.121 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

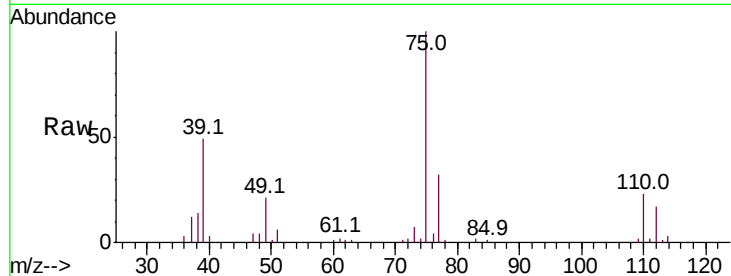
ClientSampleId :

Tot Ion: 75 Resp: 22326

Ion Ratio Lower Upper

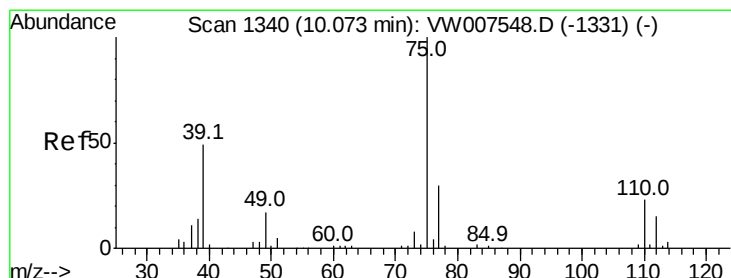
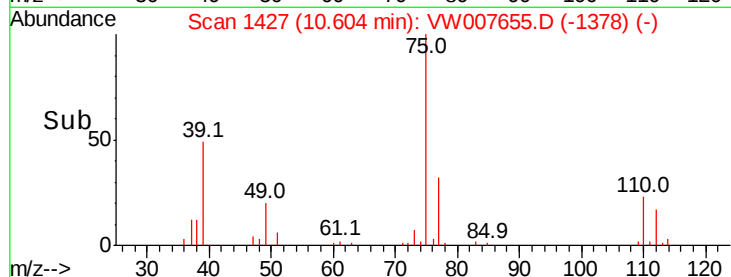
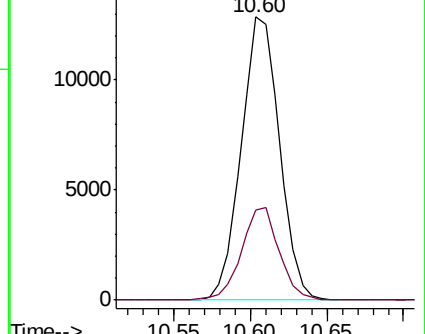
75 100

77 31.9 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 47.563 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

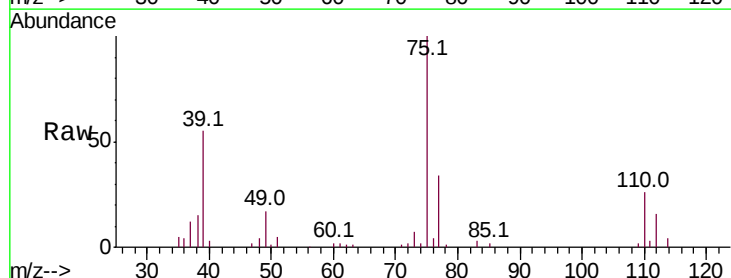
Tgt Ion: 75 Resp: 24013

Ion Ratio Lower Upper

75 100

77 34.2 24.8 37.2

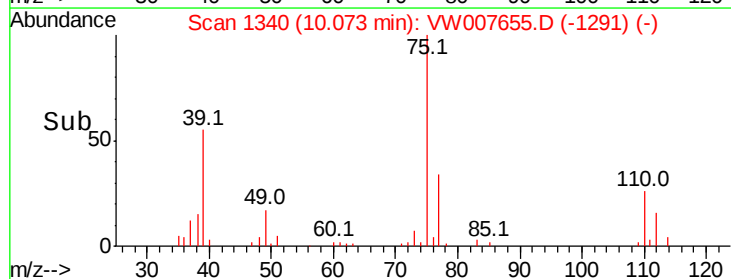
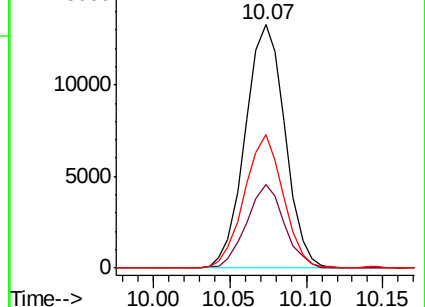
39 54.6 40.9 61.3

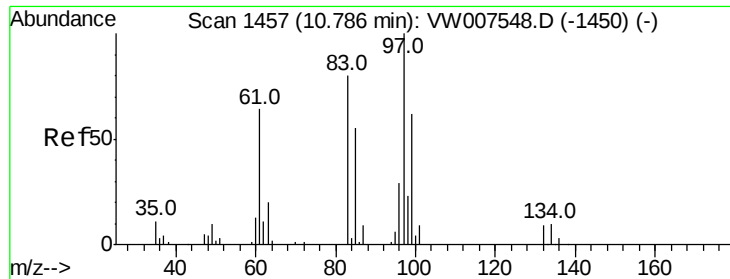


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

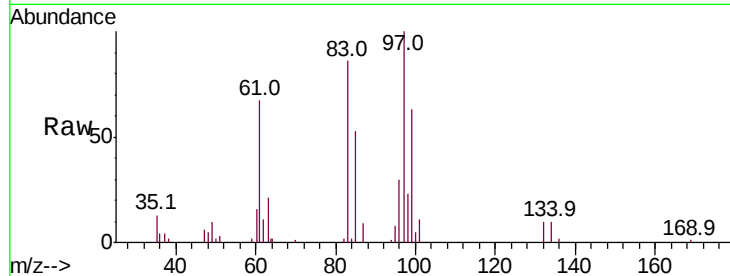




#55
 1,1,2-Trichloroethane
 Concen: 59.259 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	13832
Ion	Ratio	Lower	Upper
97	100		
83	86.0	62.1	93.1
85	53.3	44.2	66.4
99	63.2	50.2	75.4



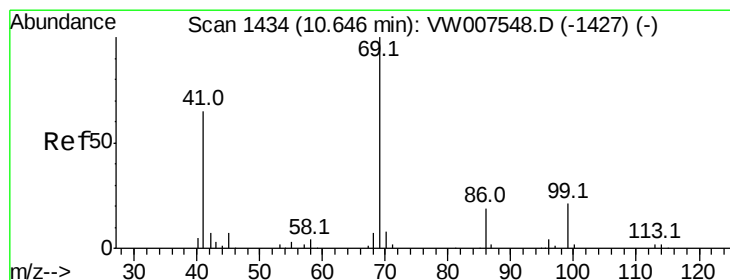
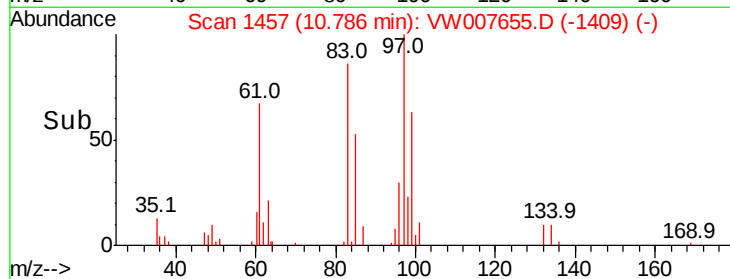
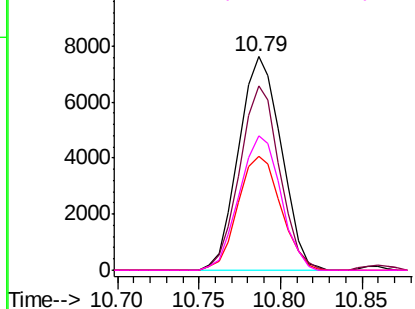
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

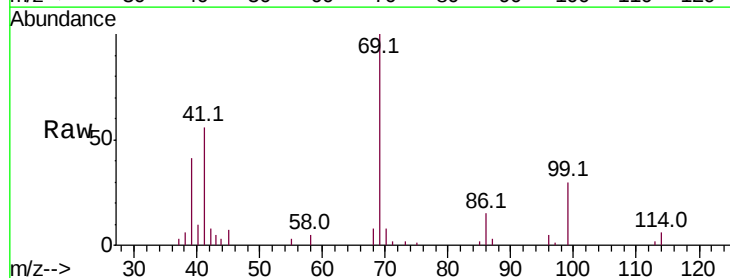
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 26.433 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion:	69	Resp:	7416
Ion	Ratio	Lower	Upper
69	100		
41	60.7	51.0	76.6
39	0.0	30.8	46.2#

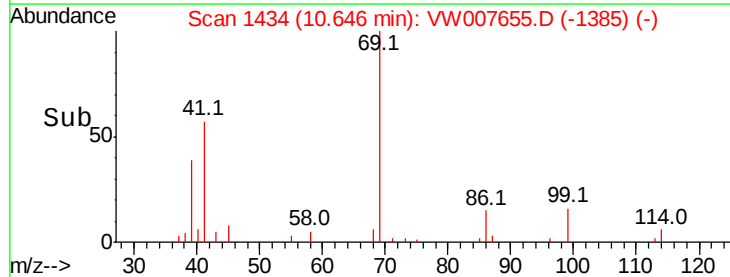
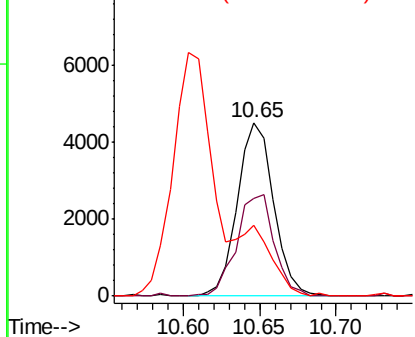


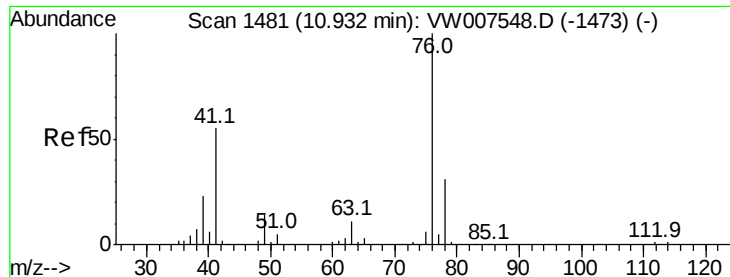
Abundance

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: 60.023 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

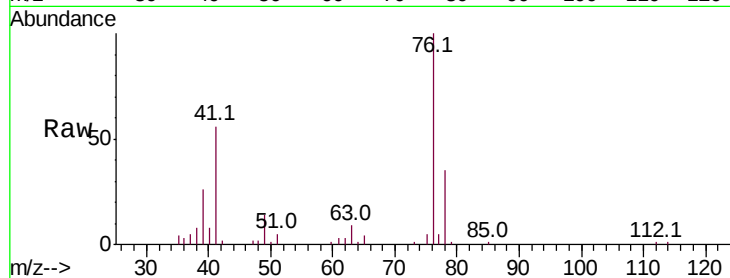
ClientSampled :

Tot Ion: 76 Resp: 22996

Ion Ratio Lower Upper

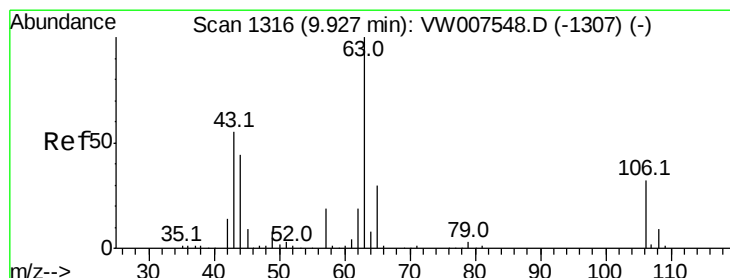
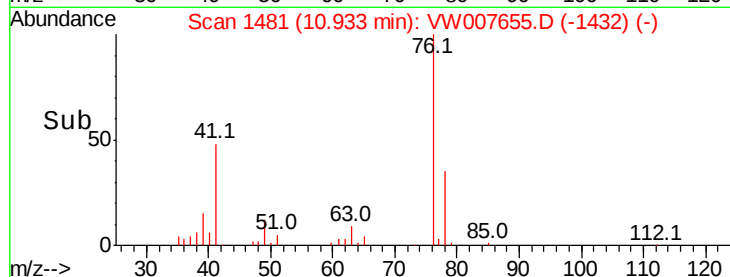
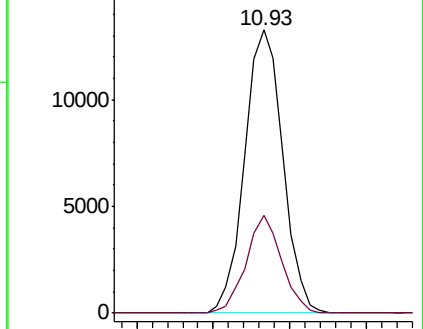
76 100

78 32.1 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 264.751 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW007655.D

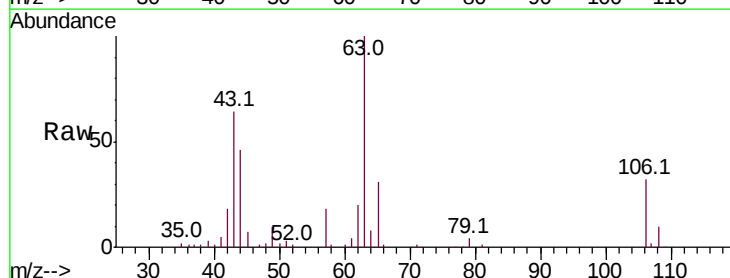
Acq: 18 Dec 2018 13:51

Tgt Ion: 63 Resp: 34253

Ion Ratio Lower Upper

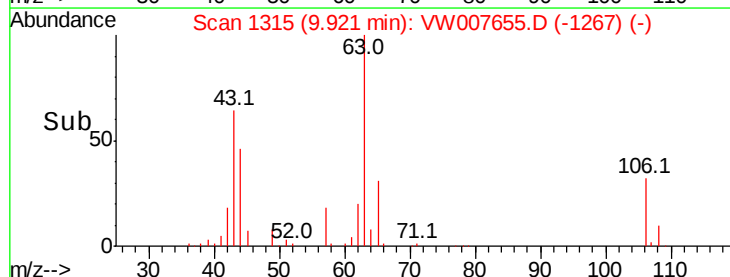
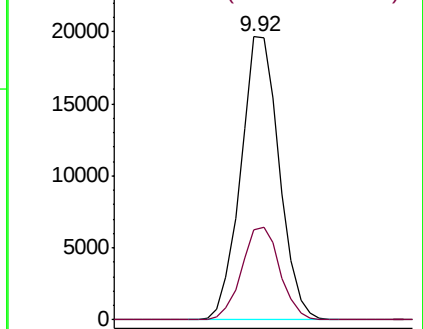
63 100

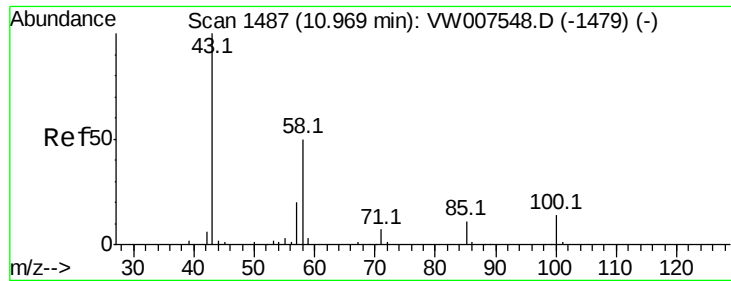
106 32.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

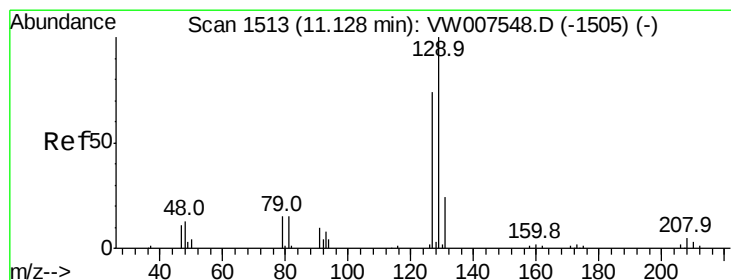
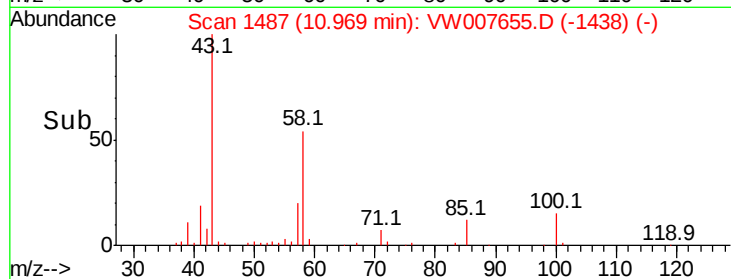
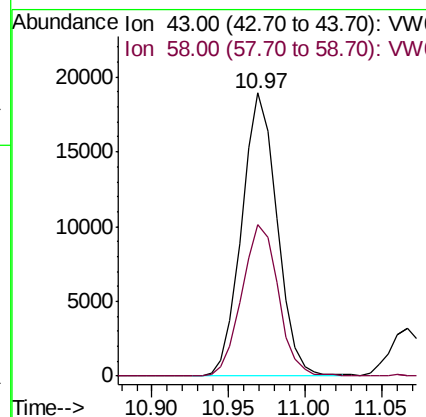
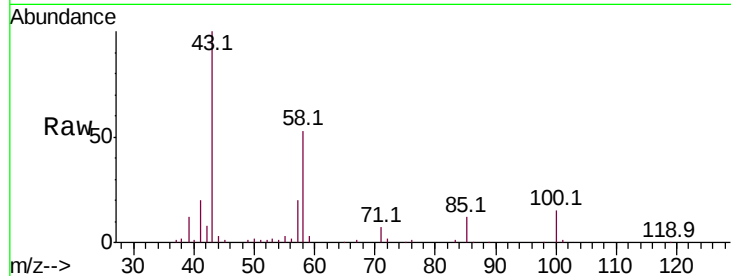




#59
2-Hexanone
Concen: 279.757 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

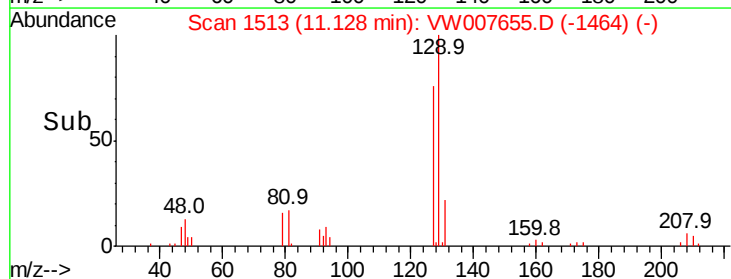
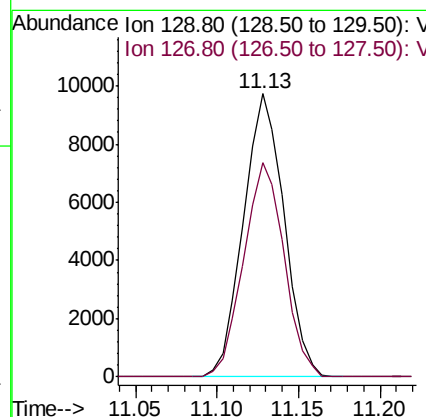
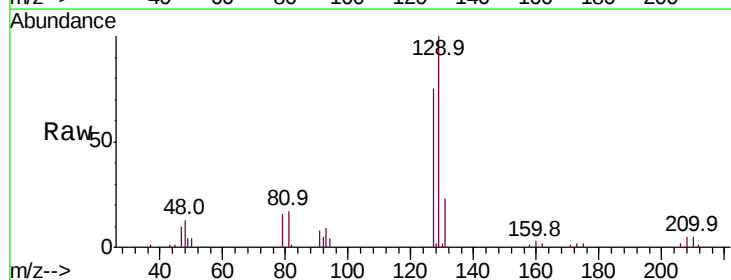
Instrument :
MSVOA_W
ClientSampleId :

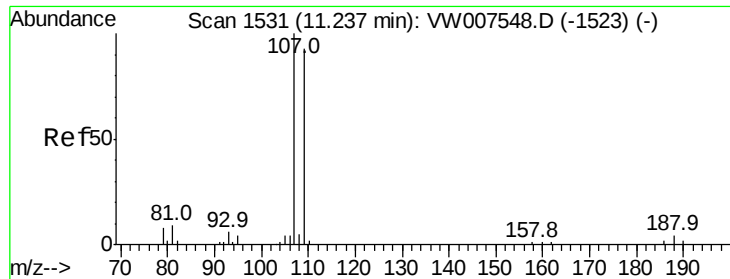
Tot Ion: 43 Resp: 30452
Ion Ratio Lower Upper
43 100
58 55.0 27.1 81.3



#60
Dibromochloromethane
Concen: 57.168 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 129 Resp: 16840
Ion Ratio Lower Upper
129 100
127 75.3 38.1 114.3





#61

1,2-Dibromoethane

Concen: 58.157 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

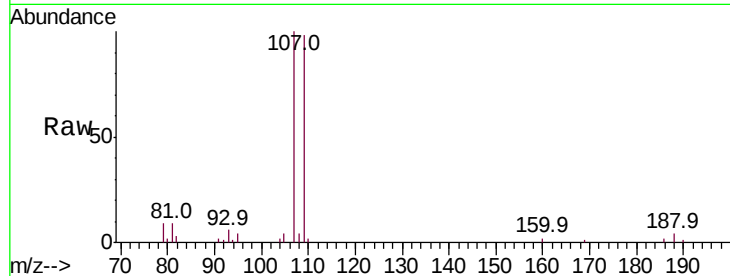
ClientSampleId :

Tot Ion:107 Resp: 13415

Ion Ratio Lower Upper

107 100

109 93.6 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

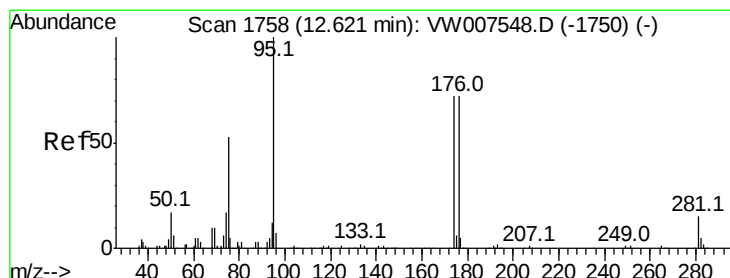
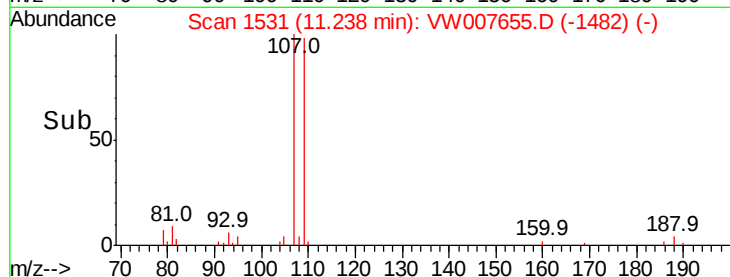
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 36.591 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

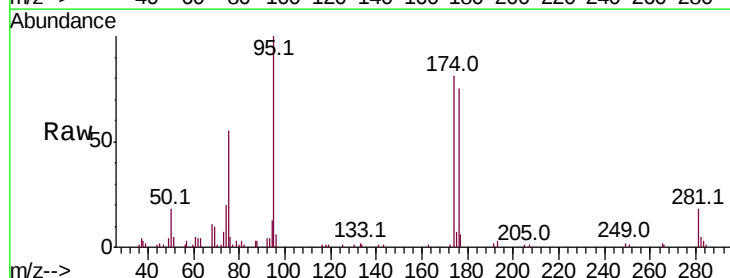
Tgt Ion: 95 Resp: 15741

Ion Ratio Lower Upper

95 100

174 81.1 0.0 147.2

176 75.2 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

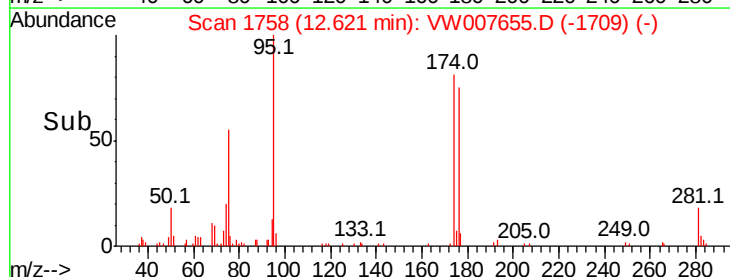
12.62

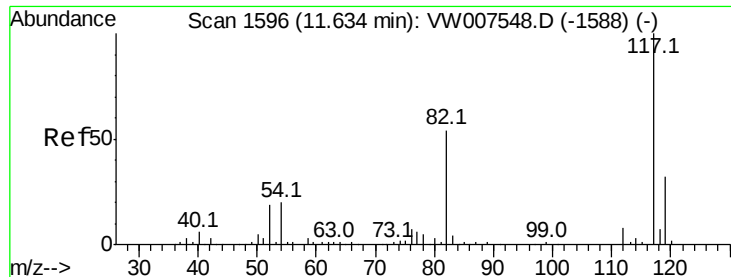
10000

5000

0

Time--> 12.55 12.60 12.65





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

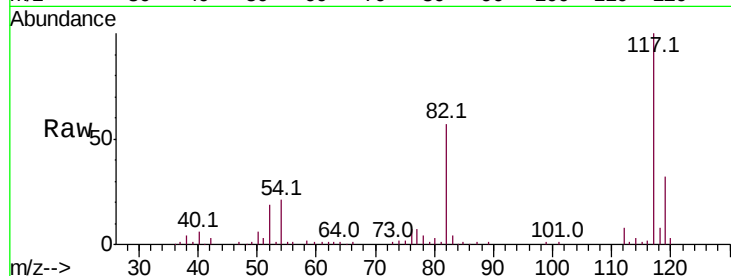
Tot Ion:117 Resp: 39020

Ion Ratio Lower Upper

117 100

82 57.2 42.3 63.5

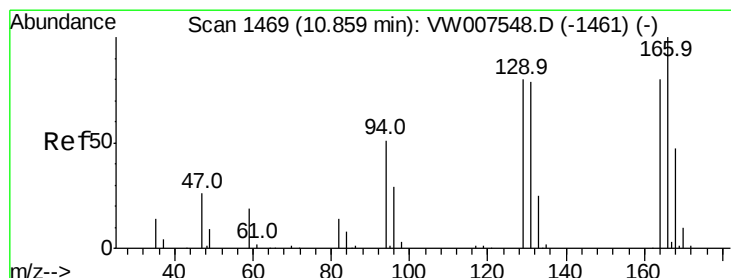
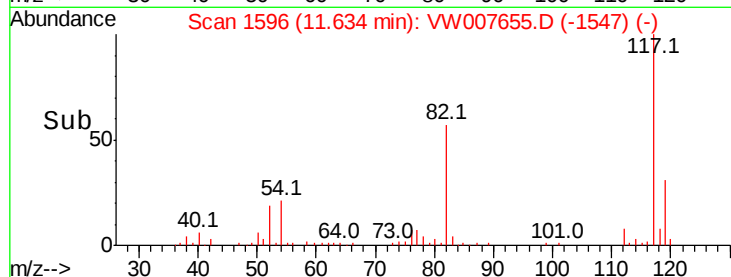
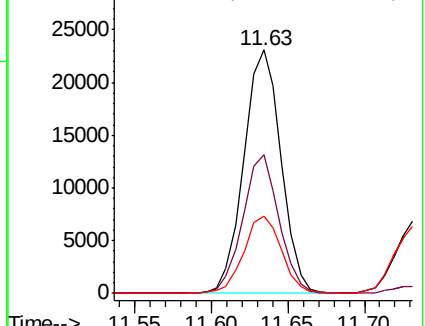
119 31.8 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.882 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Tgt Ion:164 Resp: 13997

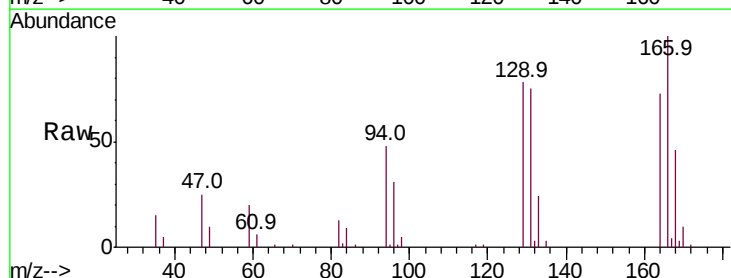
Ion Ratio Lower Upper

164 100

166 136.8 107.9 161.9

129 106.2 73.4 110.2

131 102.4 75.8 113.6

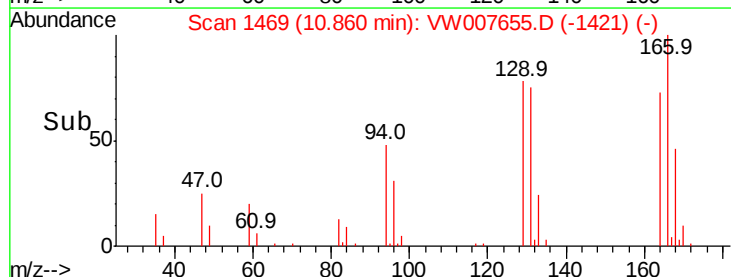
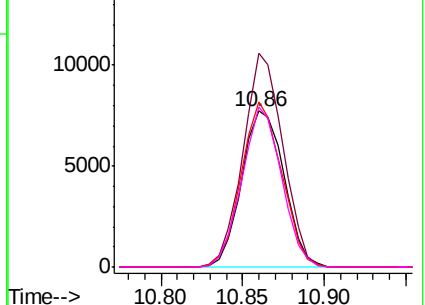


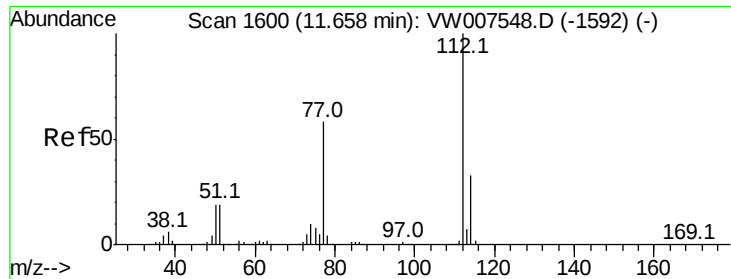
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

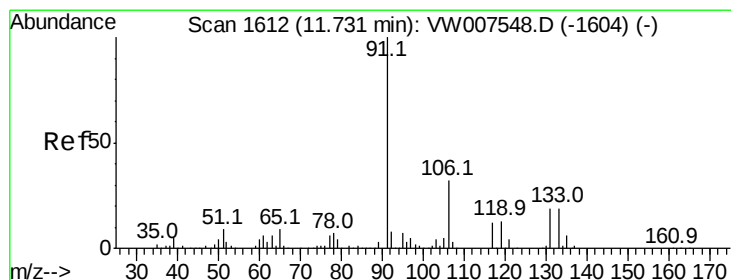
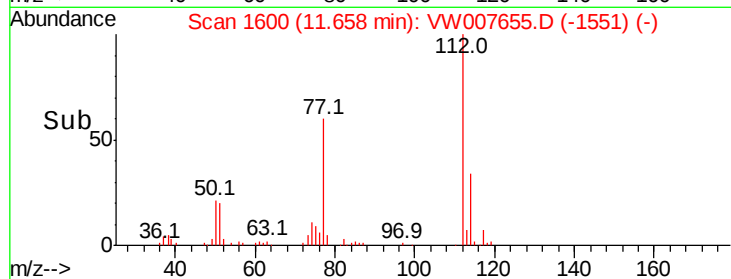
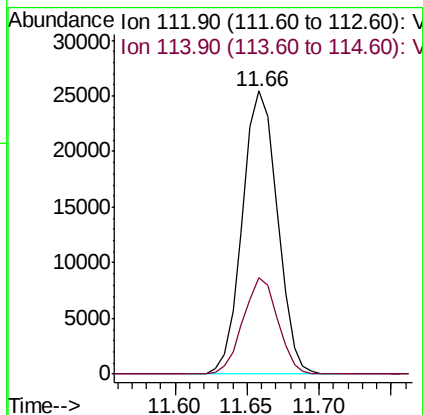
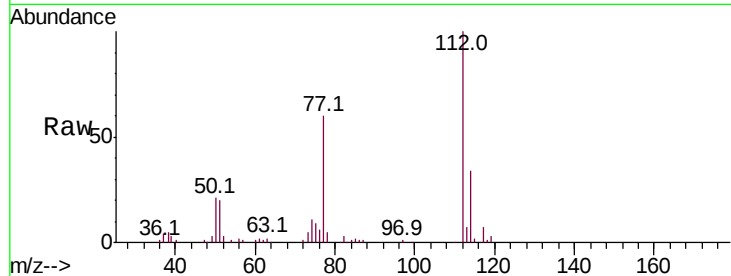




#65
Chlorobenzene
Concen: 52.769 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

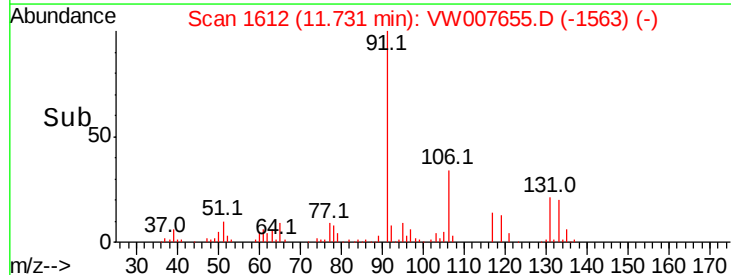
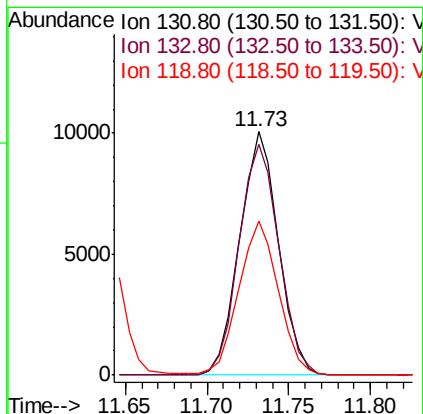
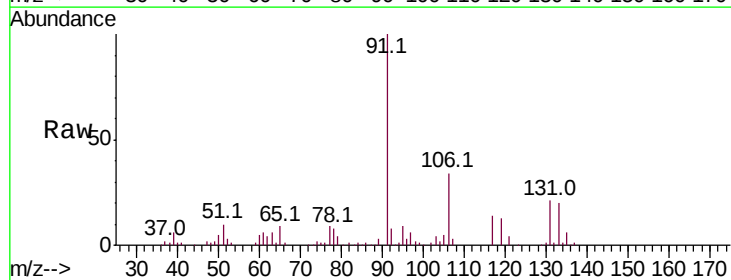
Instrument :
MSVOA_W
ClientSampleId :

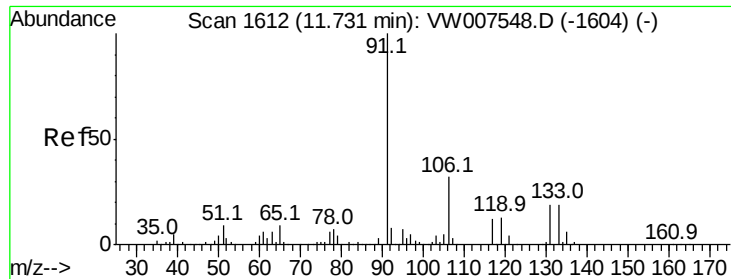
Tot Ion:112 Resp: 42917
Ion Ratio Lower Upper
112 100
114 33.9 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 58.001 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion:131 Resp: 16614
Ion Ratio Lower Upper
131 100
133 97.9 47.1 141.4
119 64.8 31.3 93.9

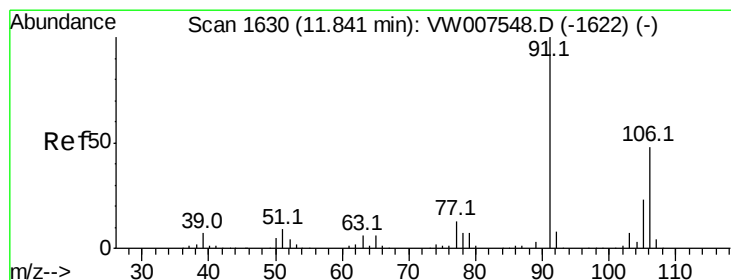
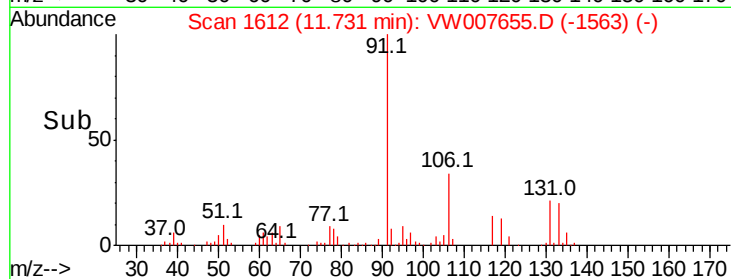
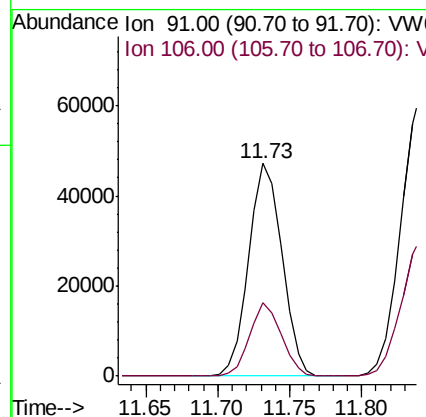
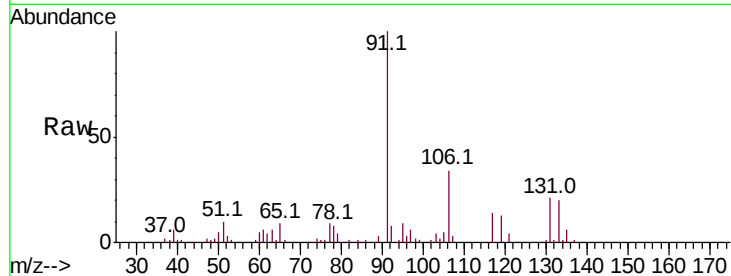




#67
Ethyl Benzene
Concen: 54.138 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

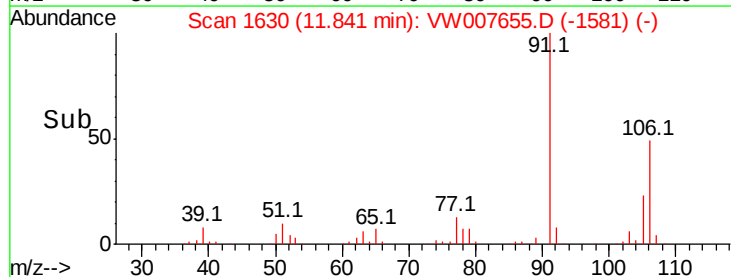
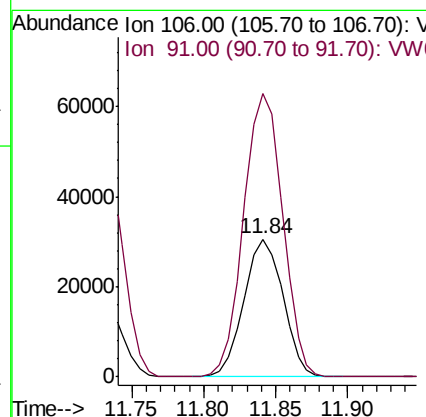
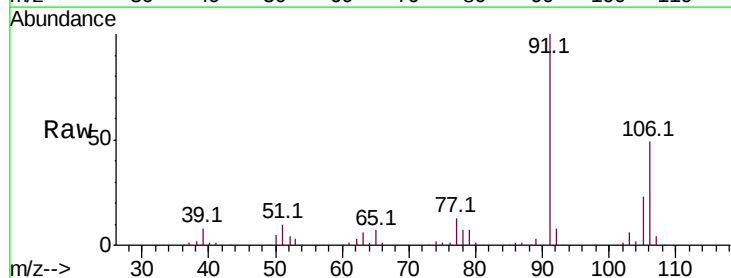
Instrument :
MSVOA_W
ClientSampleId :

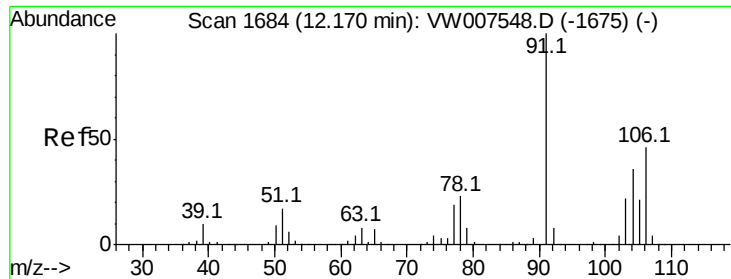
Tot Ion: 91 Resp: 75701
Ion Ratio Lower Upper
91 100
106 34.3 21.8 32.8#



#68
m/p-Xylenes
Concen: 105.884 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 106 Resp: 57558
Ion Ratio Lower Upper
106 100
91 206.5 165.3 247.9

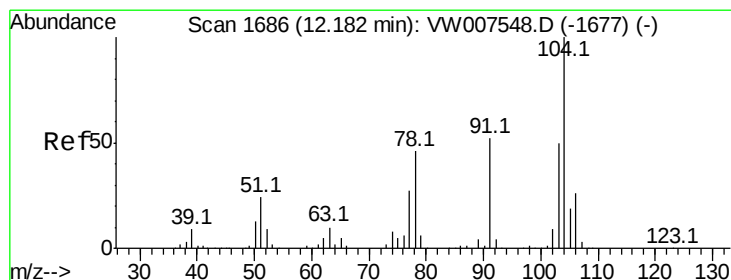
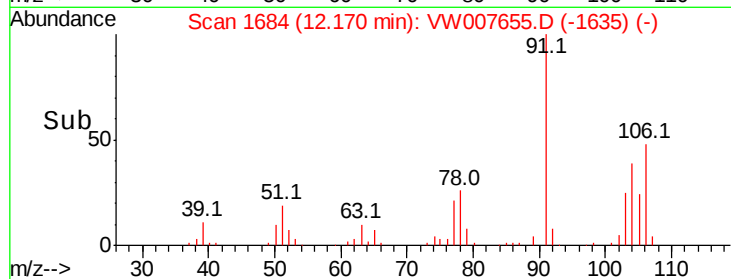
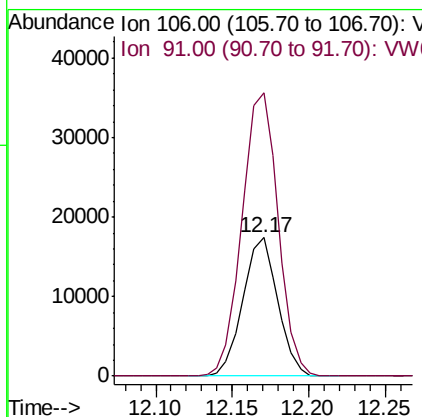
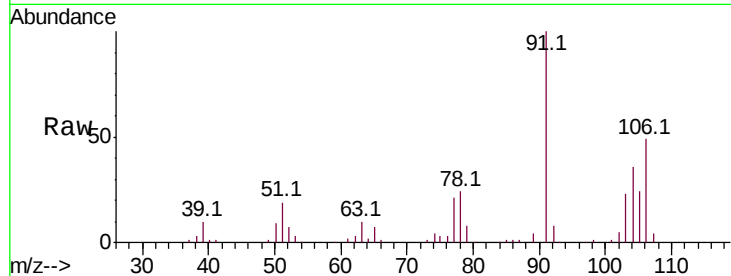




#69
o-Xylene
Concen: 54.296 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

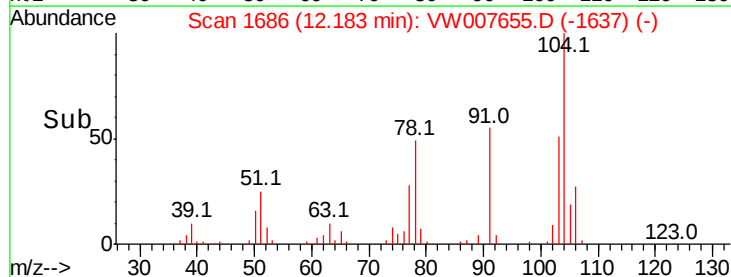
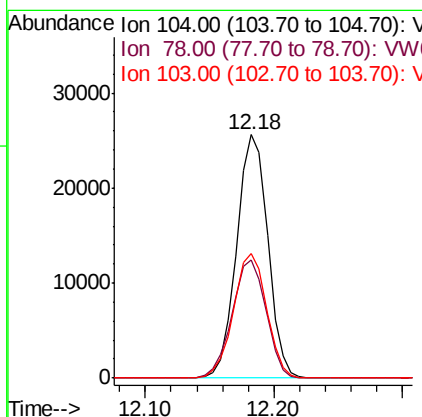
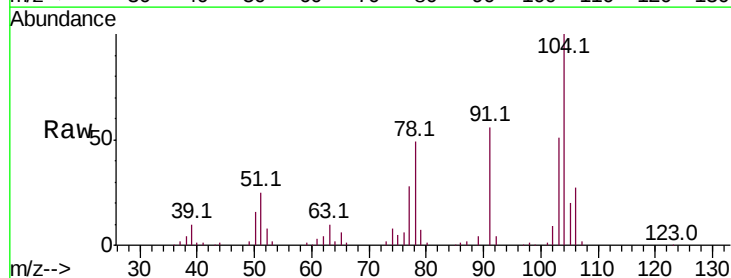
Instrument :
MSVOA_W
ClientSampled :

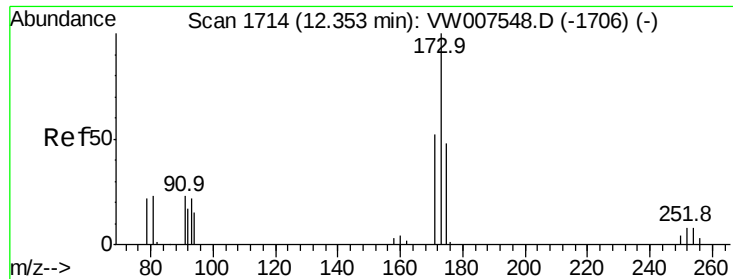
Tot Ion:106 Resp: 27565
Ion Ratio Lower Upper
106 100
91 211.9 106.6 319.8



#70
Styrene
Concen: 52.275 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion:104 Resp: 42866
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 54.7 46.6 69.8





#71

Bromoform

Concen: 61.897 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

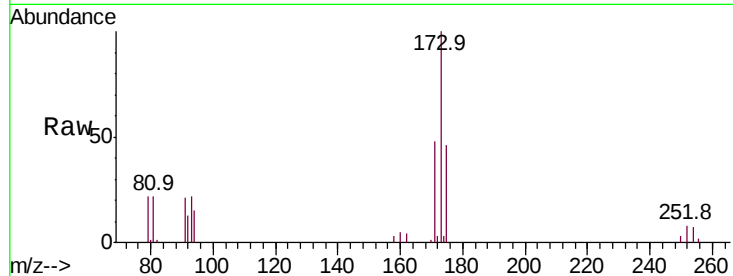
Tot Ion:173 Resp: 9075

Ion Ratio Lower Upper

173 100

175 49.3 23.6 70.8

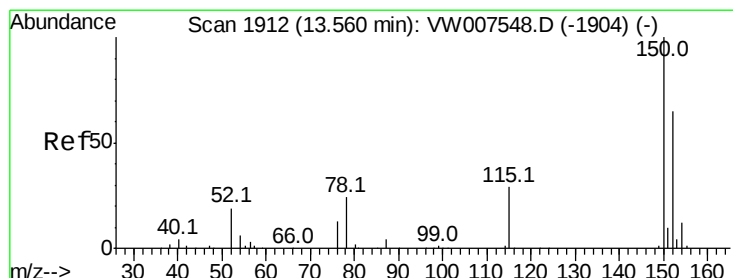
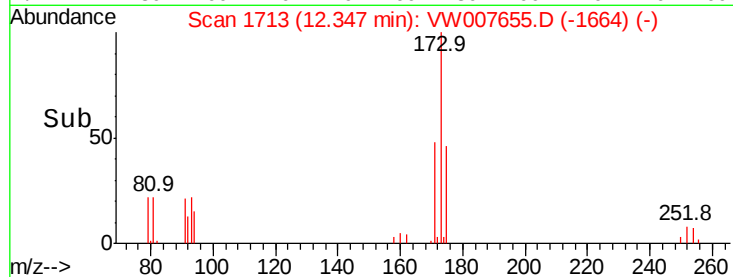
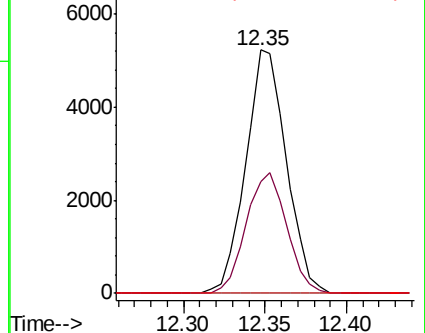
254 0.0 0.0 0.0



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: VW007655.D

Acq: 18 Dec 2018 13:51

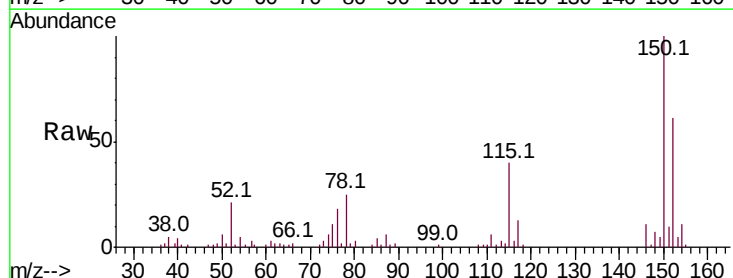
Tgt Ion:152 Resp: 14343

Ion Ratio Lower Upper

152 100

115 64.8 31.4 94.2

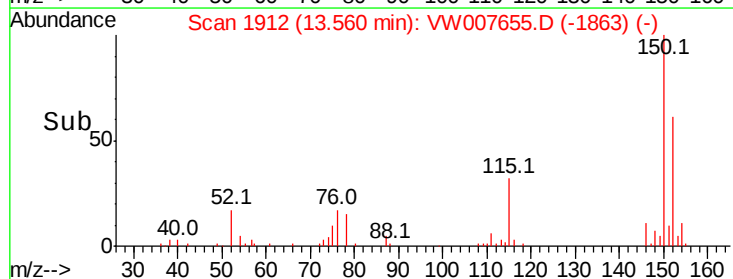
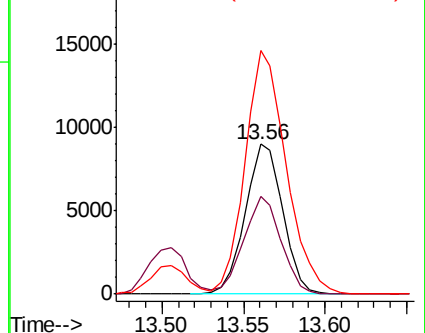
150 178.4 0.0 358.4

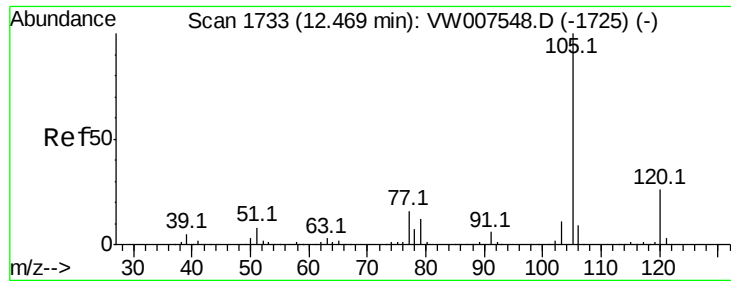


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 64.935 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

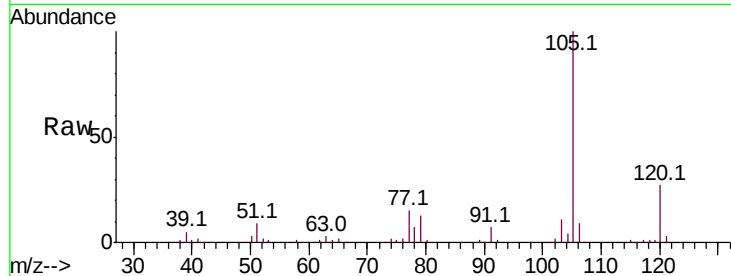
ClientSampled :

Tot Ion:105 Resp: 71365

Ion Ratio Lower Upper

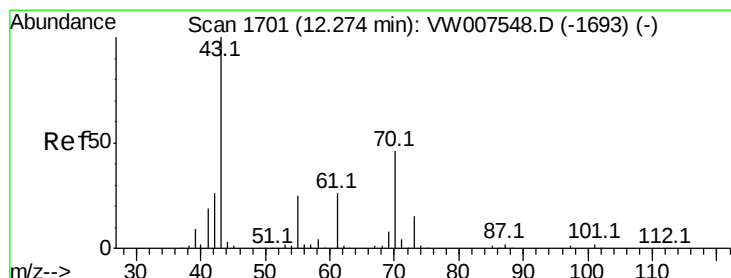
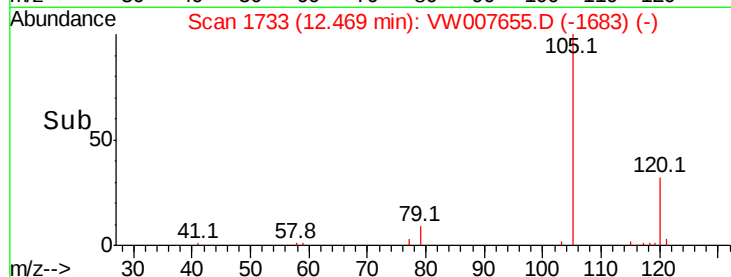
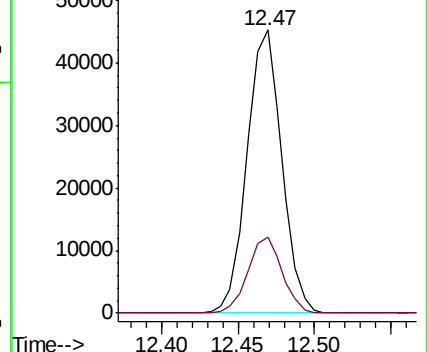
105 100

120 26.5 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.820 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Tgt Ion: 43 Resp: 4558

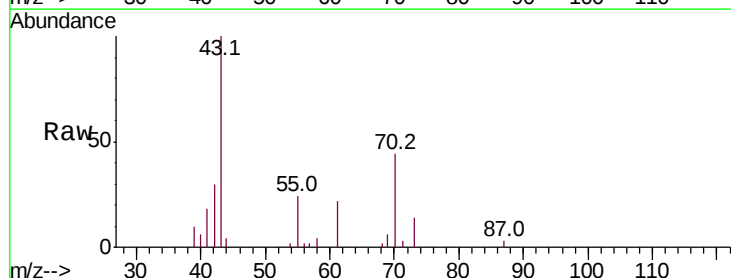
Ion Ratio Lower Upper

43 100

70 45.5 36.5 54.7

55 24.9 20.1 30.1

61 25.4 19.3 28.9

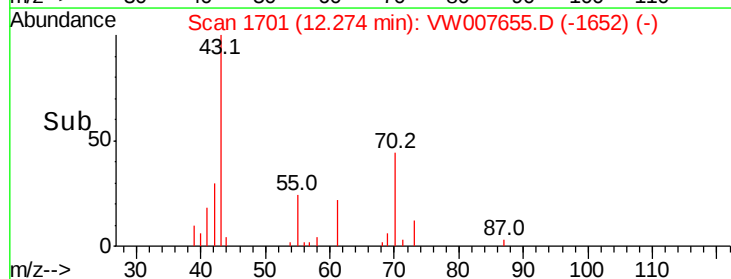
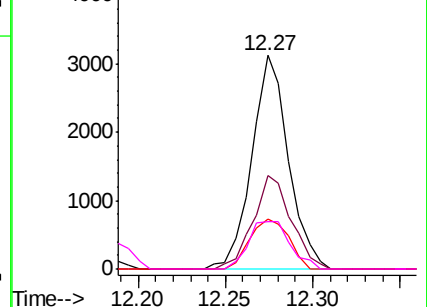


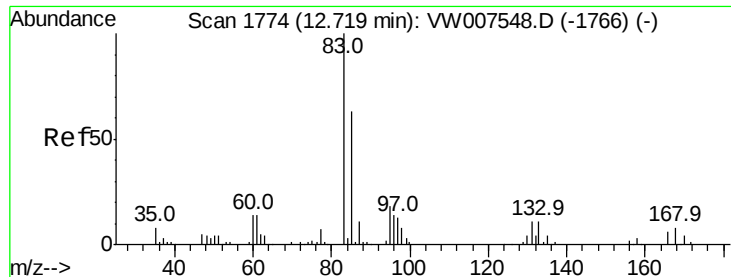
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 80.908 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

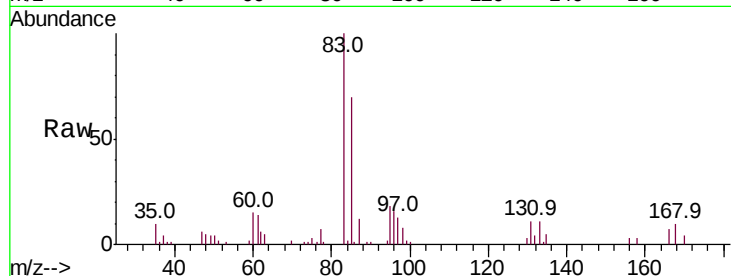
Tot Ion: 83 Resp: 13170

Ion Ratio Lower Upper

83 100

131 12.8 5.9 17.8

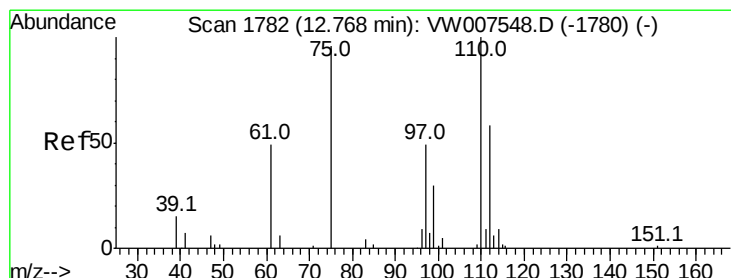
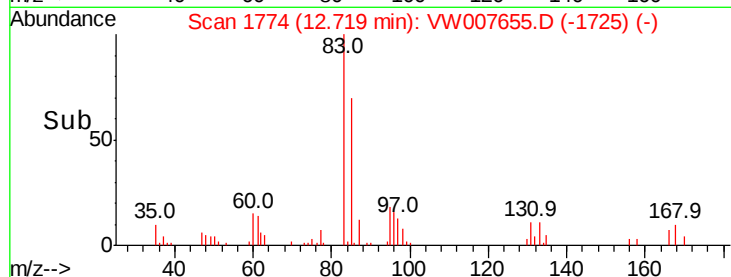
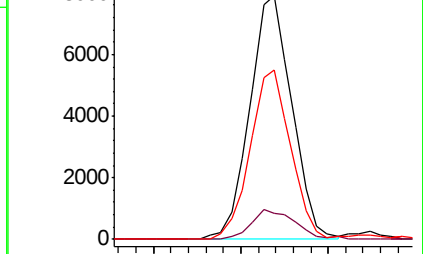
85 67.4 30.0 90.0



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: 155.916 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007655.D

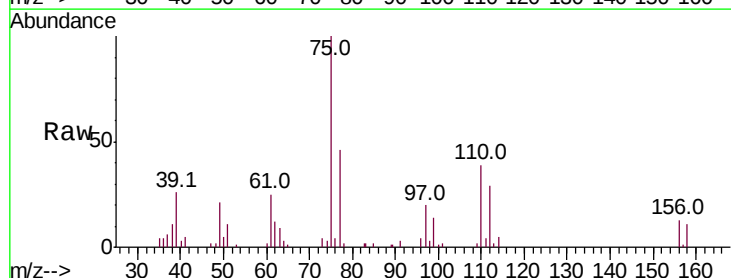
Acq: 18 Dec 2018 13:51

Tgt Ion: 75 Resp: 18439

Ion Ratio Lower Upper

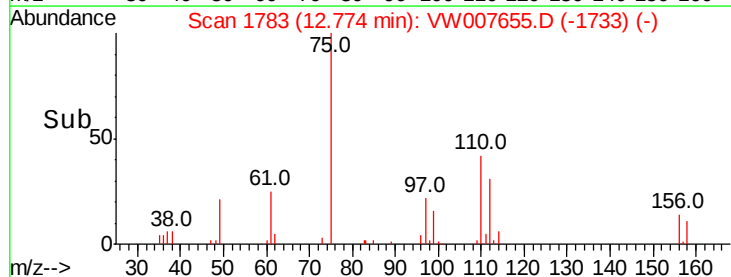
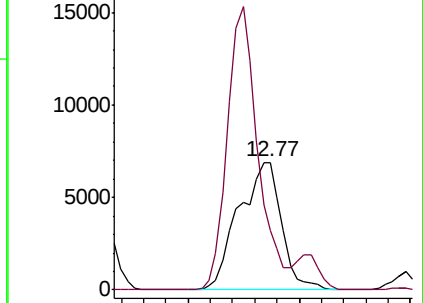
75 100

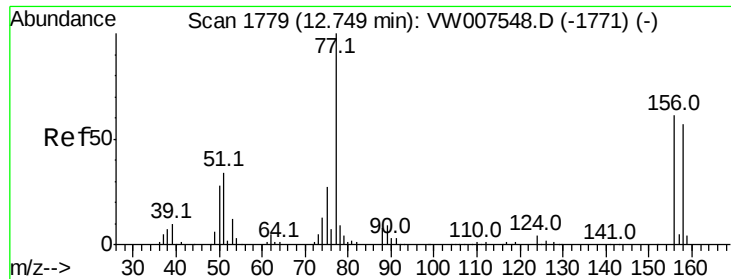
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 65.215 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

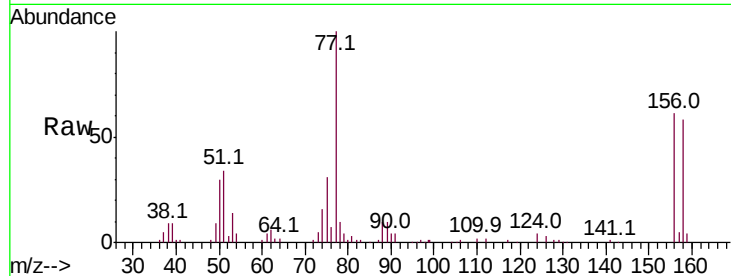
Tot Ion:156 Resp: 15887

Ion Ratio Lower Upper

156 100

77 185.1 88.1 264.4

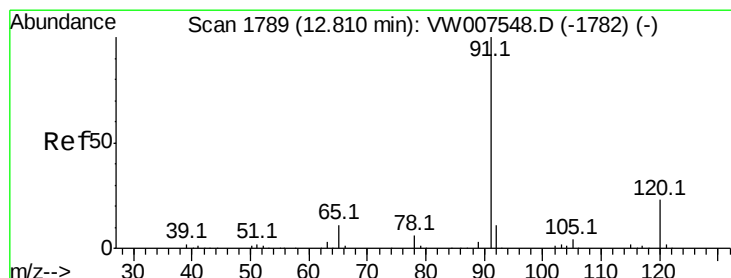
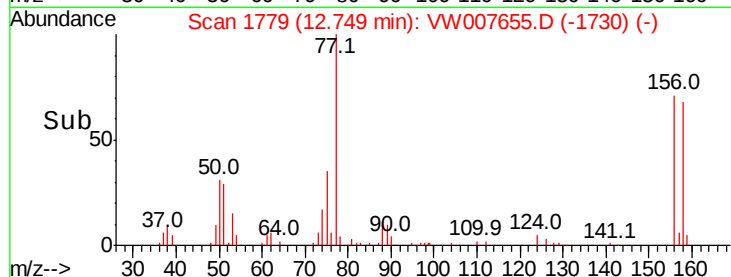
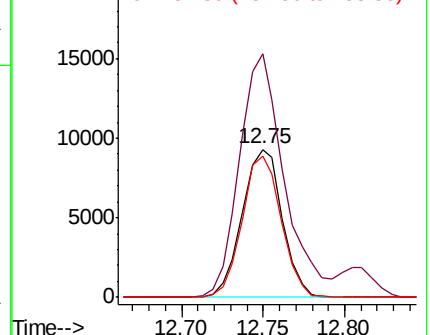
158 92.9 45.6 136.7



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: 60.488 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW007655.D

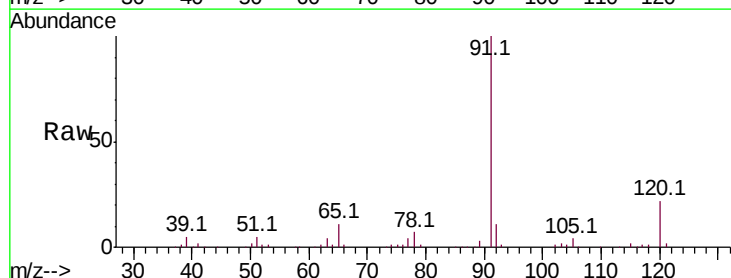
Acq: 18 Dec 2018 13:51

Tgt Ion: 91 Resp: 74814

Ion Ratio Lower Upper

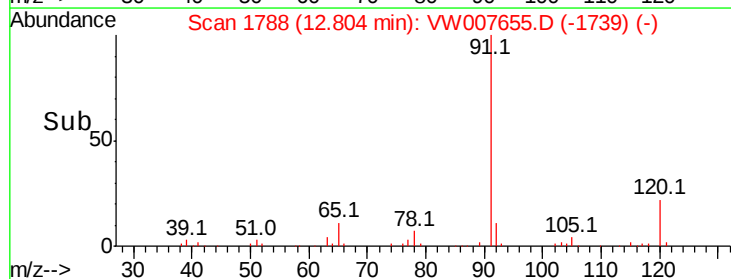
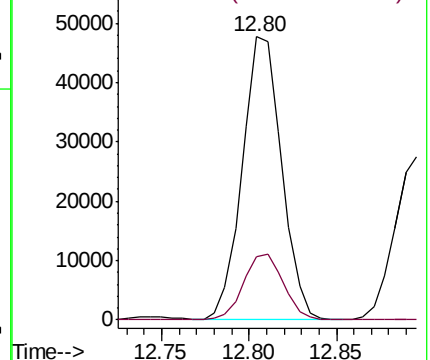
91 100

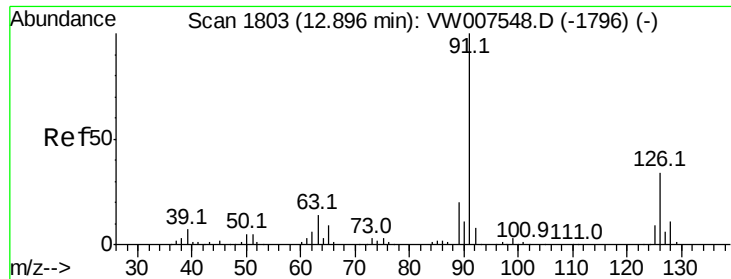
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 58.473 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

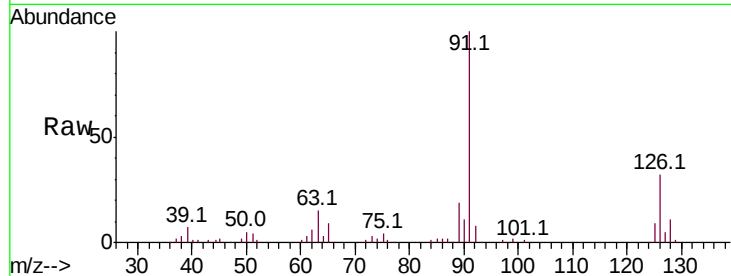
ClientSampleId :

Tot Ion: 91 Resp: 43760

Ion Ratio Lower Upper

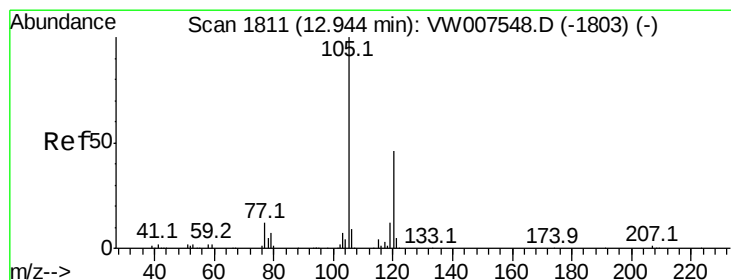
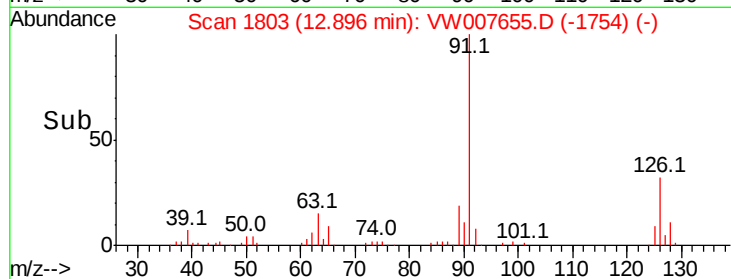
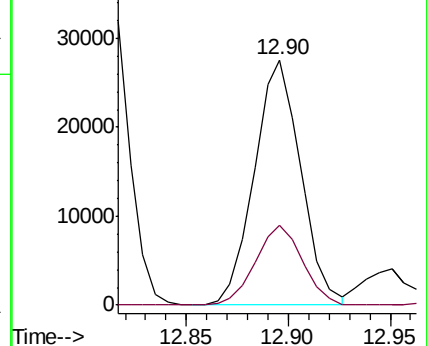
91 100

126 32.8 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 60.389 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007655.D

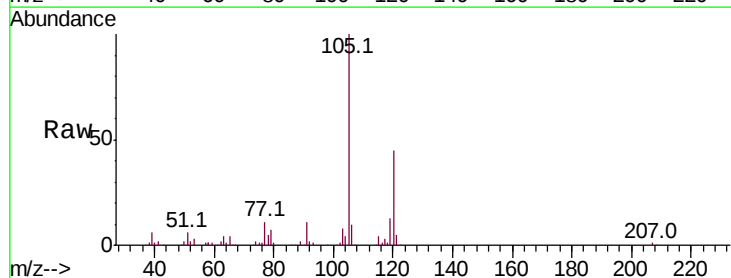
Acq: 18 Dec 2018 13:51

Tgt Ion:105 Resp: 55766

Ion Ratio Lower Upper

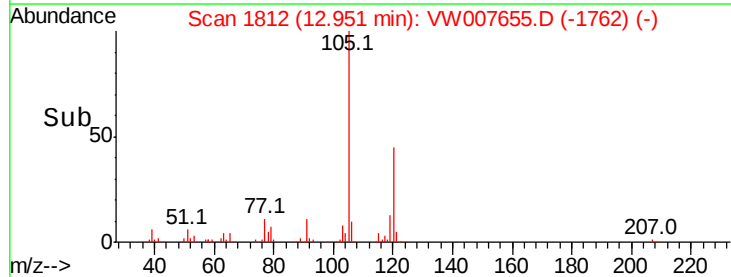
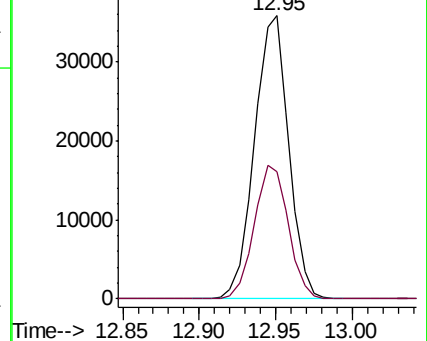
105 100

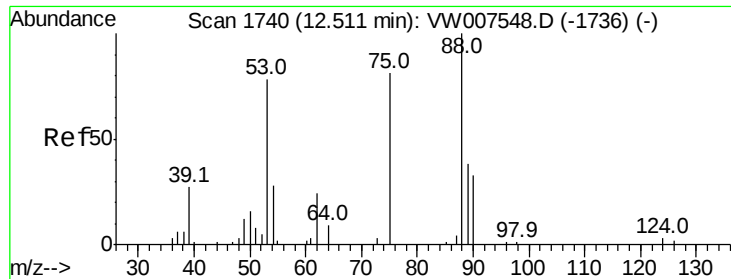
120 46.7 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

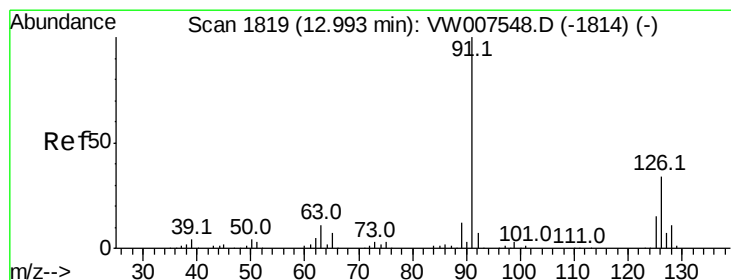
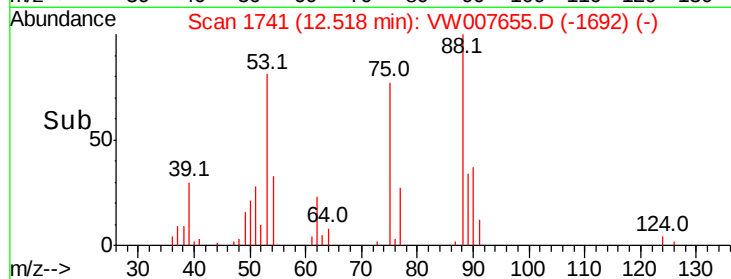
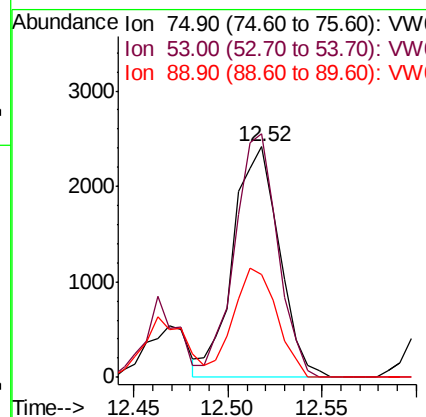
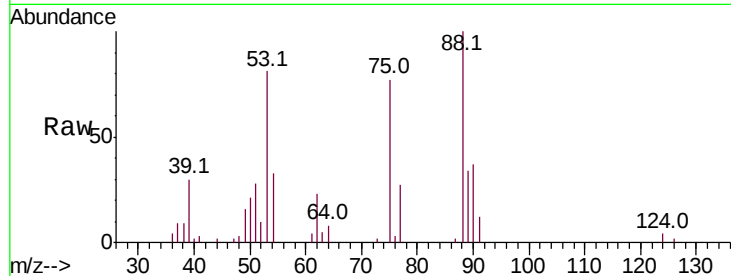




#81
trans-1,4-Dichloro-2-butene
Concen: 76.882 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

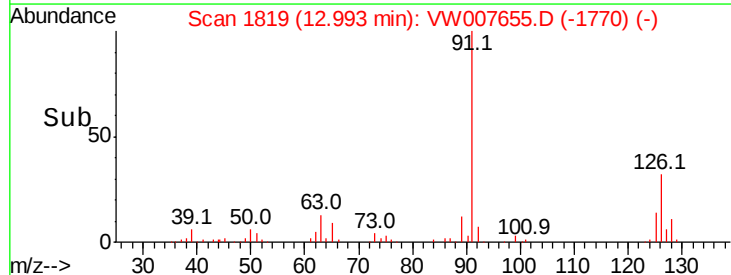
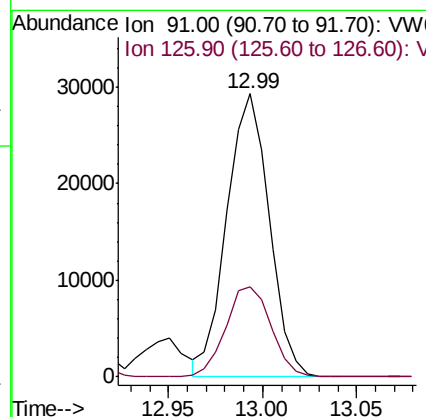
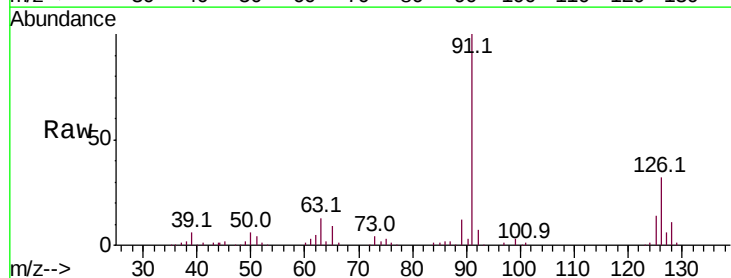
Instrument :
MSVOA_W
ClientSampleId :

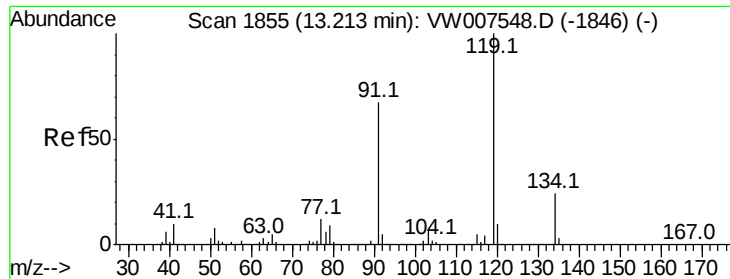
Tot Ion: 75 Resp: 4116
Ion Ratio Lower Upper
75 100
53 97.2 84.9 127.3
89 44.6 40.3 60.5



#82
4-Chlorotoluene
Concen: 58.043 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 91 Resp: 45789
Ion Ratio Lower Upper
91 100
126 34.0 16.0 48.0

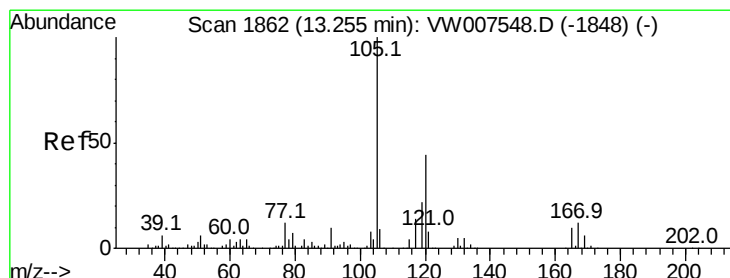
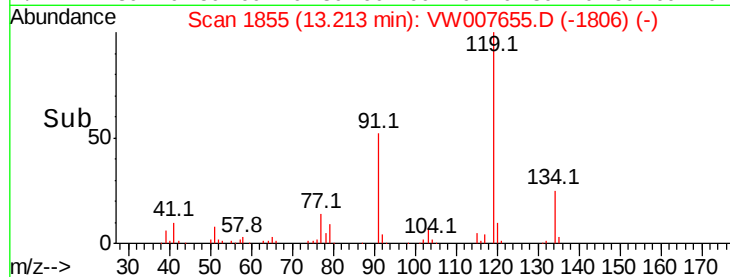
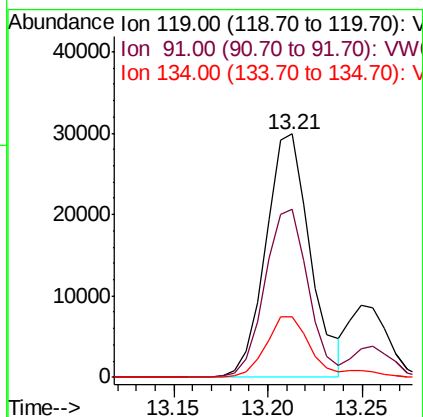
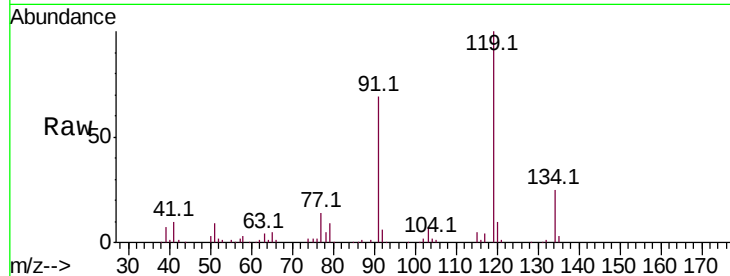




#83
tert-Butylbenzene
Concen: 60.220 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

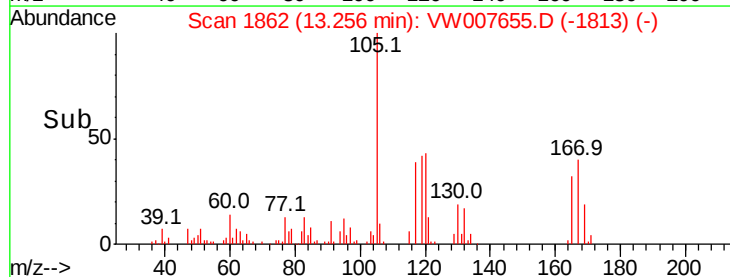
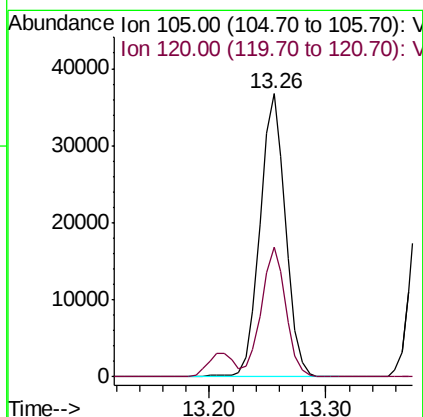
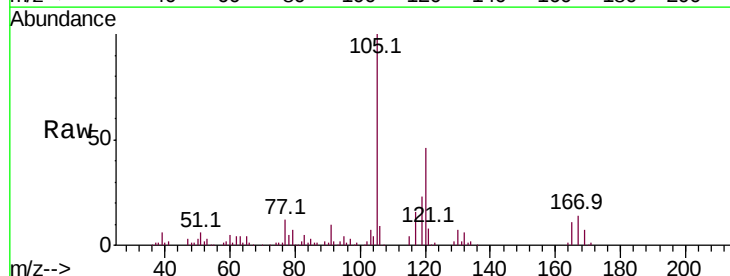
Instrument :
MSVOA_W
ClientSampled :

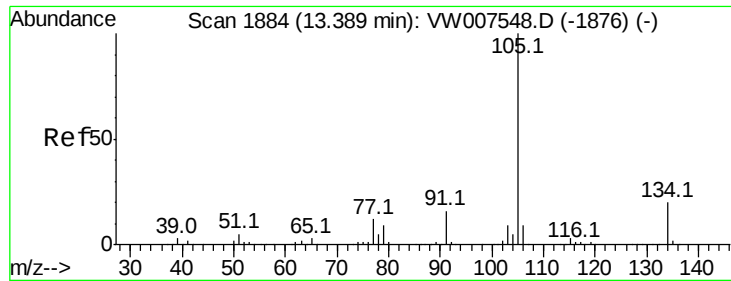
Tot Ion:119 Resp: 49000
Ion Ratio Lower Upper
119 100
91 67.2 33.1 99.2
134 26.7 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 59.047 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion:105 Resp: 56111
Ion Ratio Lower Upper
105 100
120 44.1 22.6 67.7

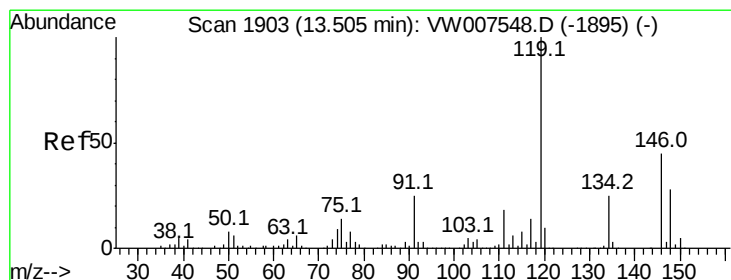
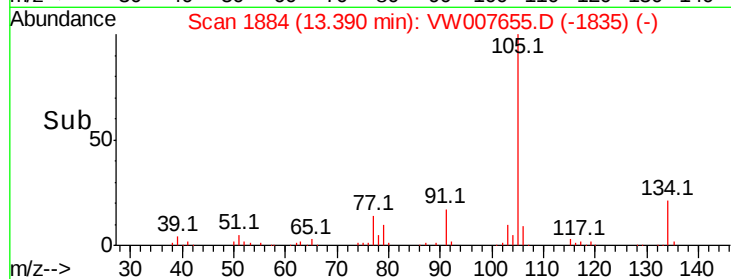
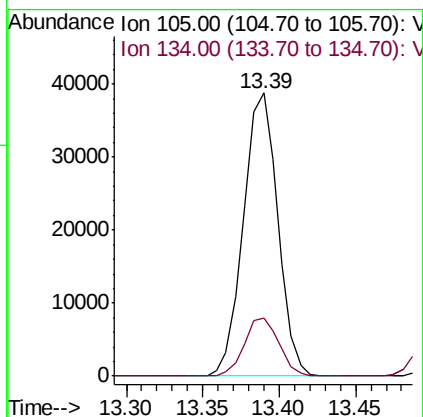
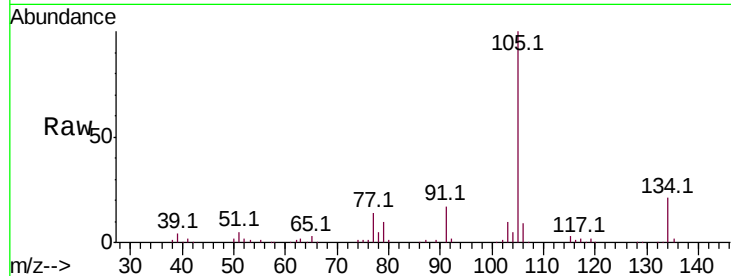




#85
 sec-Butylbenzene
 Concen: 54.575 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

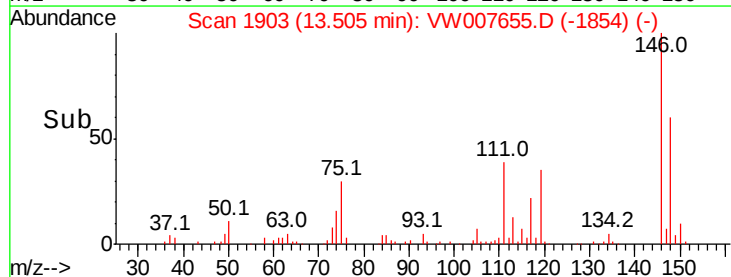
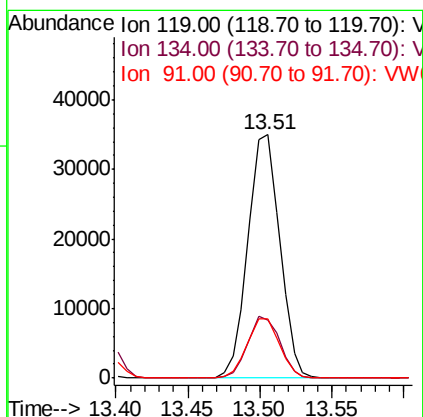
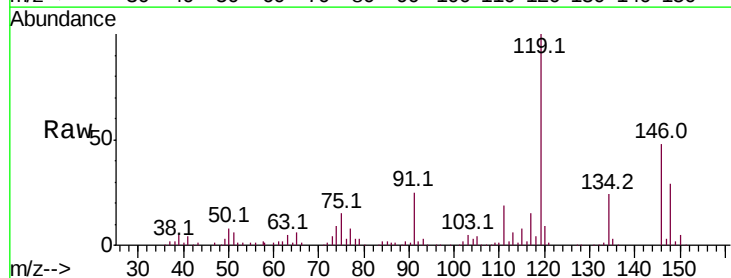
Instrument :
 MSVOA_W
 ClientSampleId :

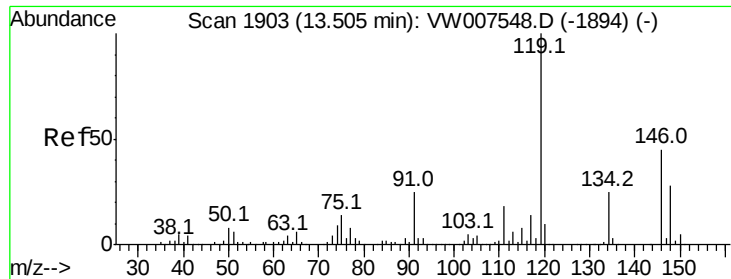
Tot Ion:105 Resp: 60621
 Ion Ratio Lower Upper
 105 100
 134 20.7 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 53.749 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion:119 Resp: 53636
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.7
 91 24.9 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 52.878 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

Instrument :

MSVOA_W

ClientSampleId :

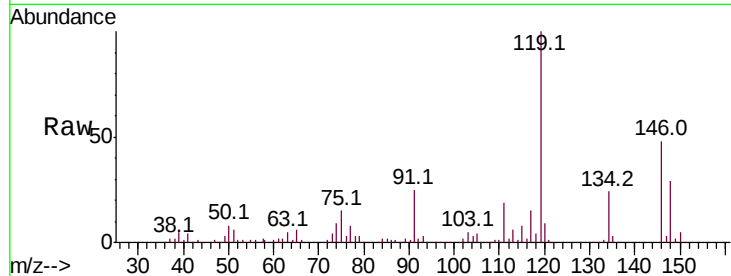
Tot Ion:146 Resp: 25683

Ion Ratio Lower Upper

146 100

111 43.2 20.1 60.3

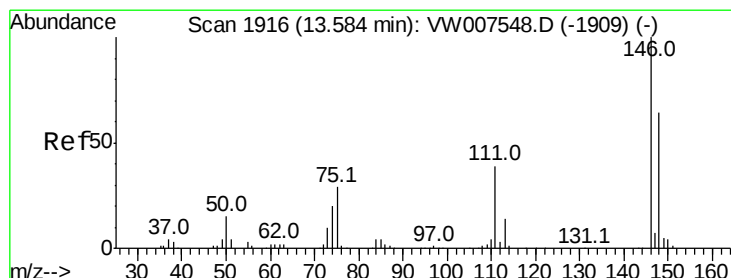
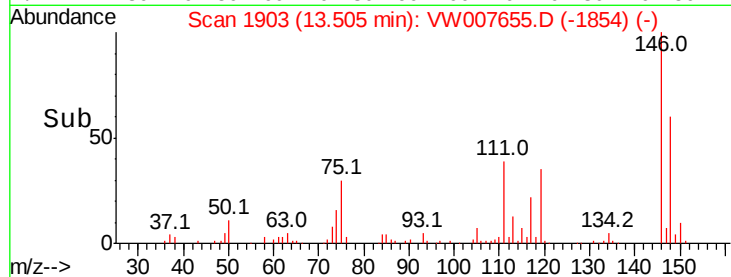
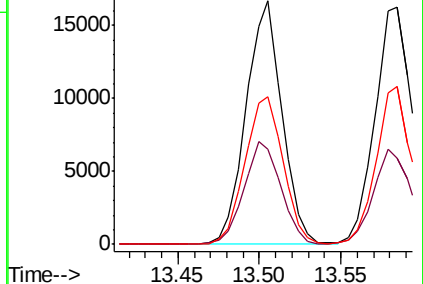
148 64.2 31.4 94.0



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: 53.373 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007655.D

Acq: 18 Dec 2018 13:51

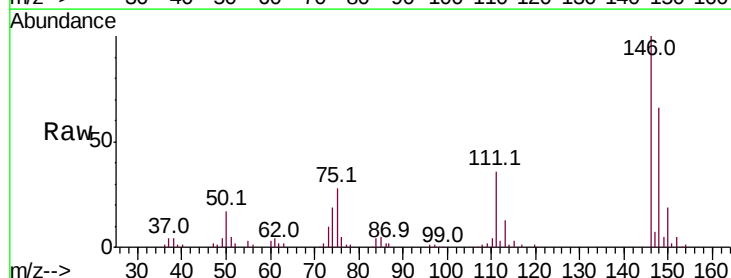
Tgt Ion:146 Resp: 26062

Ion Ratio Lower Upper

146 100

111 40.0 20.3 61.0

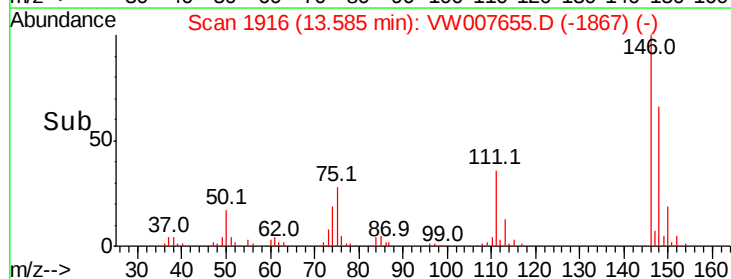
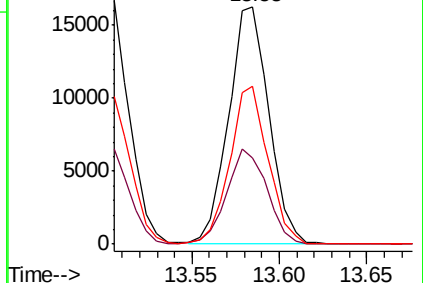
148 63.3 33.5 100.5

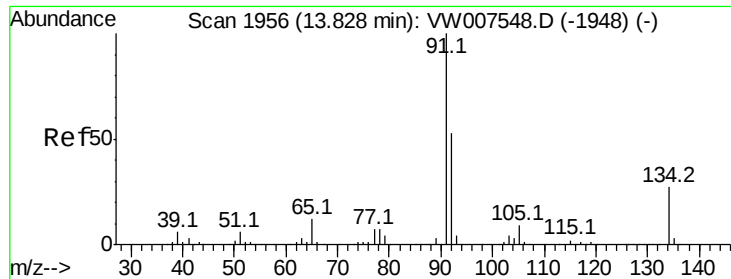


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

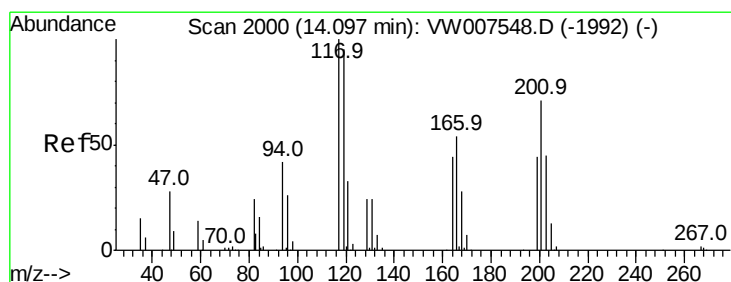
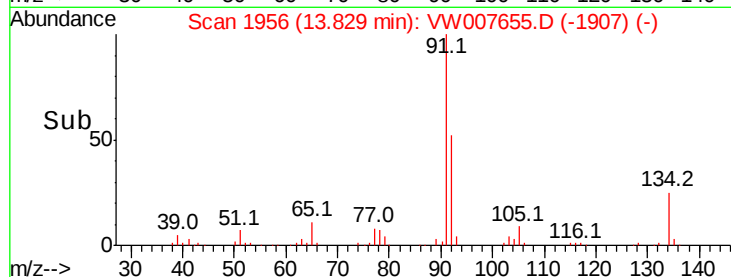
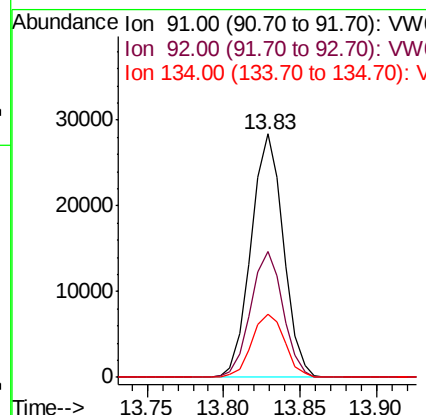
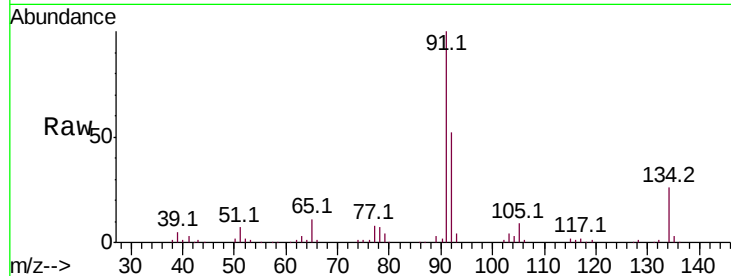




#89
n-Butylbenzene
Concen: 45.220 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

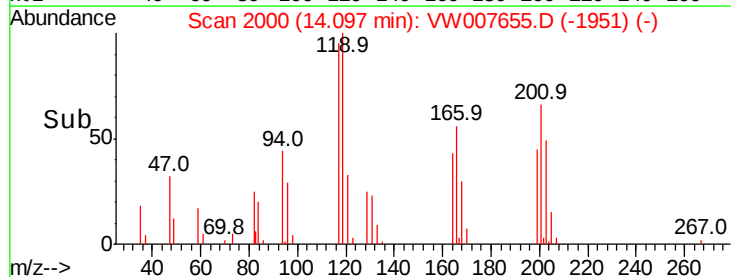
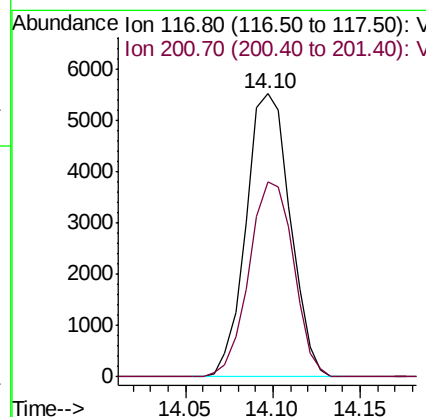
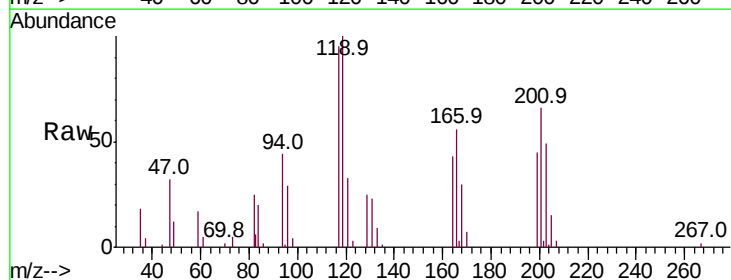
Instrument :
MSVOA_W
ClientSampleId :

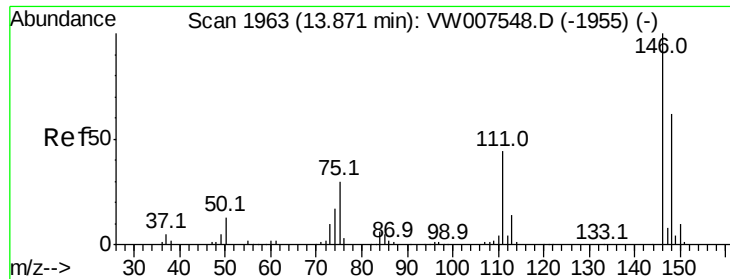
Tot Ion: 91 Resp: 41833
Ion Ratio Lower Upper
91 100
92 51.7 25.7 77.1
134 26.5 13.4 40.2



#90
Hexachloroethane
Concen: 54.659 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion: 117 Resp: 9705
Ion Ratio Lower Upper
117 100
201 69.5 35.3 105.9

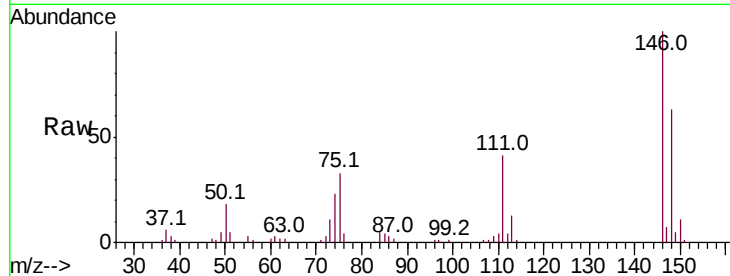




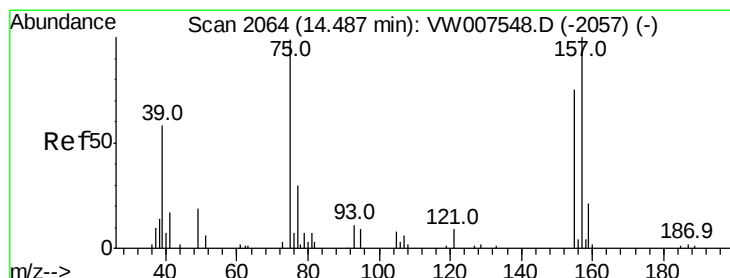
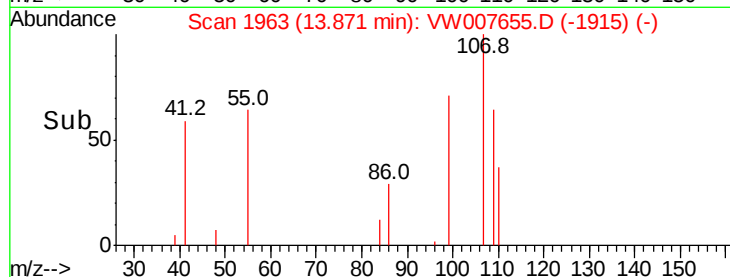
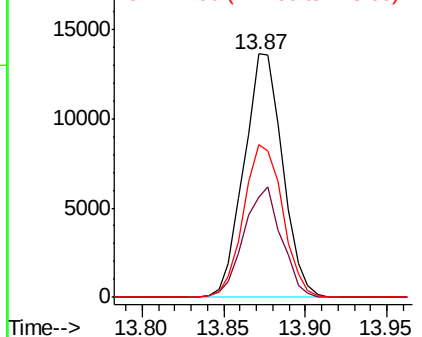
#91
 1,2-Dichlorobenzene
 Concen: 51.787 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 22529
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.4 67.2
 148 63.4 32.4 97.2

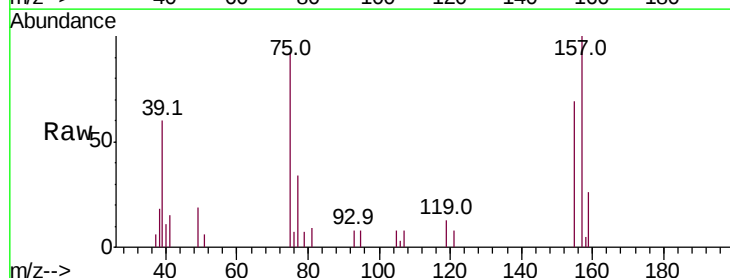


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

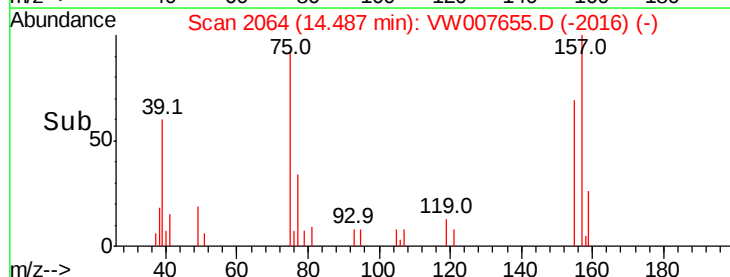
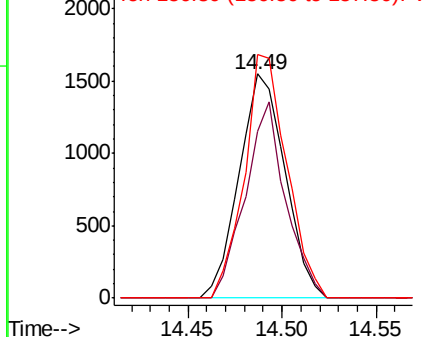


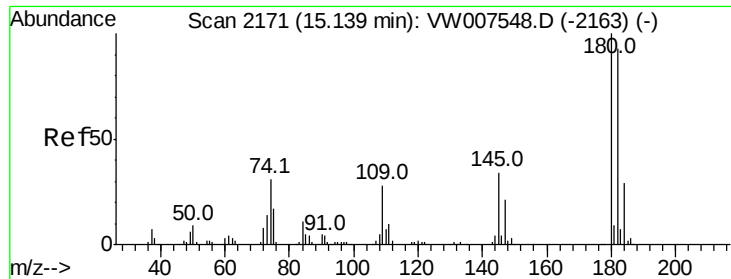
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.298 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion: 75 Resp: 2623
 Ion Ratio Lower Upper
 75 100
 155 76.9 40.8 122.2
 157 100.6 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

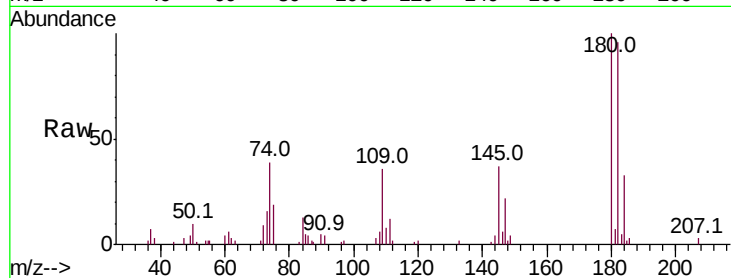




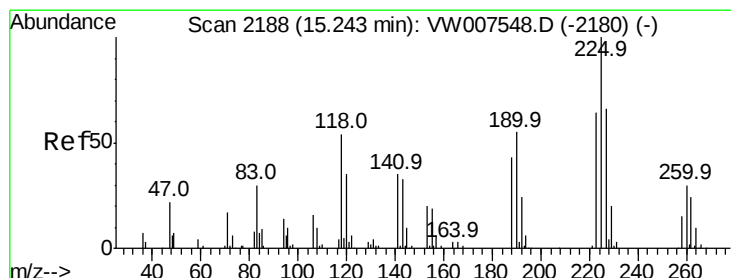
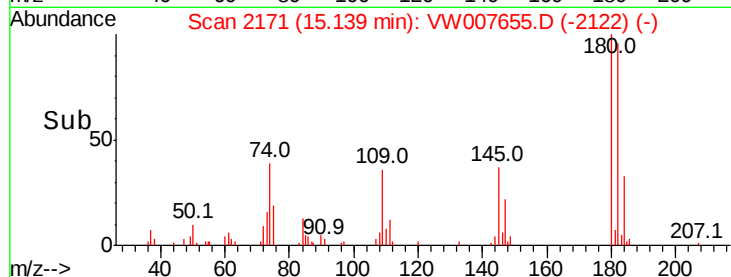
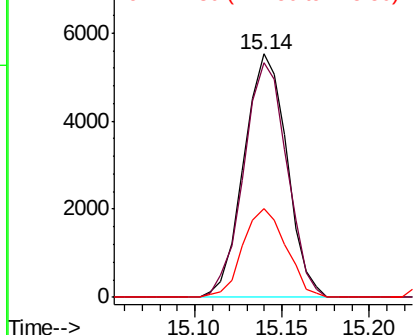
#93
 1,2,4-Trichlorobenzene
 Concen: 31.558 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	49.9	149.6
145	36.6	17.8	53.4

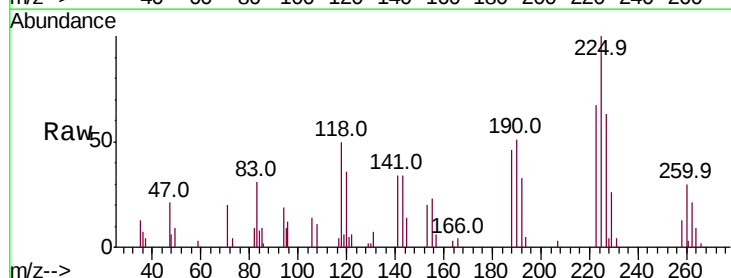


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

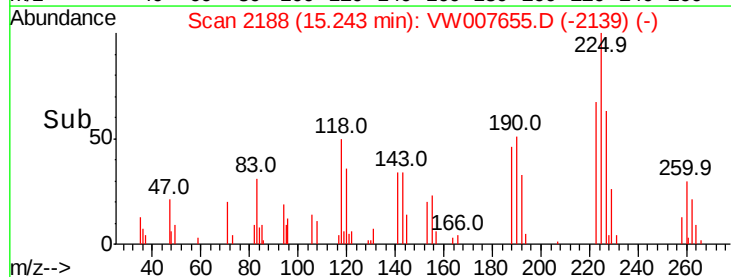
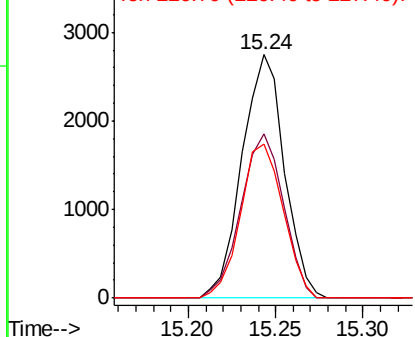


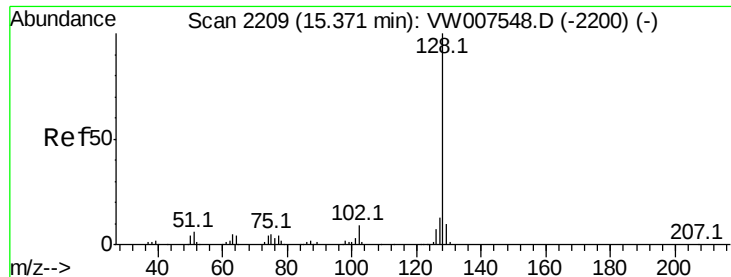
#94
 Hexachlorobutadiene
 Concen: 29.179 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007655.D
 Acq: 18 Dec 2018 13:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.8	32.1	96.3
227	64.0	31.9	95.9



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

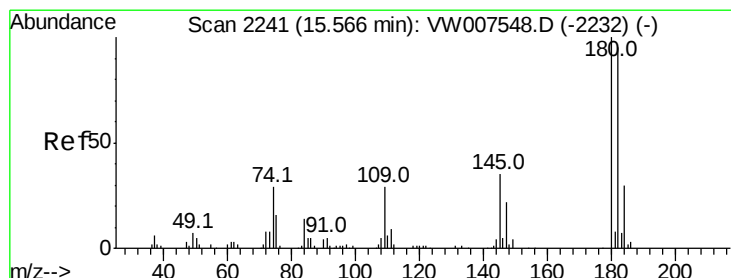
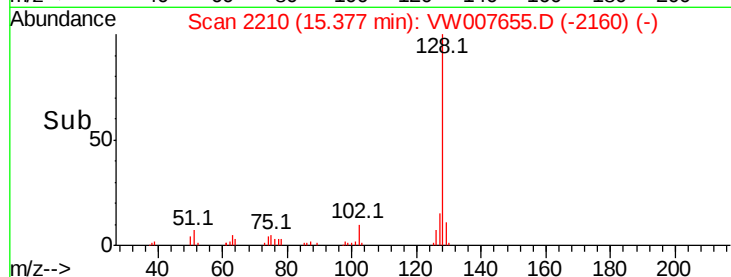
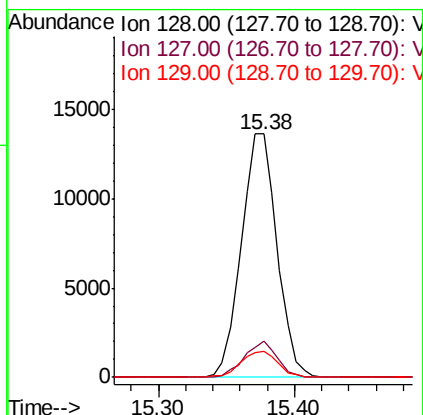
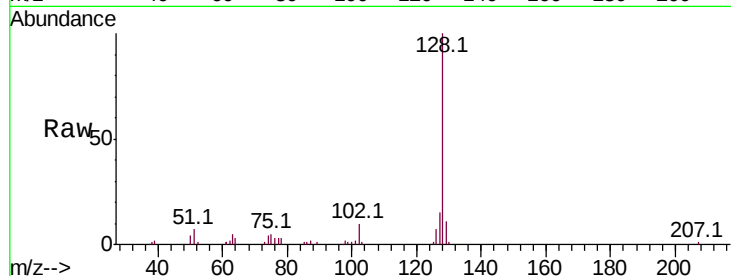




#95
Naphthalene
Concen: 43.576 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 24957
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 11.1 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 31.038 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007655.D
Acq: 18 Dec 2018 13:51

Tgt Ion:180 Resp: 8072
Ion Ratio Lower Upper
180 100
182 92.3 45.6 136.7
145 33.7 17.5 52.5

