

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122218\
 Data File : VW007758.D
 Acq On : 20 Dec 2018 20:08
 Operator : SY/AP
 Sample : J6392-18MS
 Misc : 6.46G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 21 03:55:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	123678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	107603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81691	101.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.14%	
35) Dibromofluoromethane	7.88	113	71680	95.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.00%	
50) Toluene-d8	10.32	98	249234	87.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.24%	
62) 4-Bromofluorobenzene	12.62	95	97248	88.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34830	53.390	ug/l	98
3) Chloromethane	2.22	50	28571	71.322	ug/l	98
4) Vinyl Chloride	2.37	62	34367	67.395	ug/l	100
5) Bromomethane	2.78	94	24748	69.679	ug/l	97
6) Chloroethane	2.93	64	20431	74.891	ug/l	96
7) Trichlorofluoromethane	3.26	101	29480	55.529	ug/l	97
8) Diethyl Ether	3.68	74	21027	64.664	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41433	52.992	ug/l	98
10) Methyl Iodide	4.27	142	69532	55.921	ug/l	97
11) Tert butyl alcohol	5.18	59	17862	329.210	ug/l	98
12) 1,1-Dichloroethene	4.03	96	40218	55.549	ug/l	98
13) Acrolein	3.89	56	10359	238.787	ug/l	99
14) Allyl chloride	4.67	41	56332	59.332	ug/l	94
15) Acrylonitrile	5.37	53	45697	329.444	ug/l	99
16) Acetone	4.12	43	50097	332.617	ug/l	94
17) Carbon Disulfide	4.38	76	116587	52.036	ug/l	99
18) Methyl Acetate	4.67	43	26529	74.063	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	76896	73.980	ug/l	# 82
20) Methylene Chloride	4.92	84	45793	62.355	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	44555	55.954	ug/l	99
22) Diisopropyl ether	6.31	45	113806	64.015	ug/l	98
23) Vinyl Acetate	6.26	43	317598	300.687	ug/l	99
24) 1,1-Dichloroethane	6.21	63	76193	58.258	ug/l	99
25) 2-Butanone	7.17	43	58298	330.461	ug/l	98
26) 2,2-Dichloropropane	7.17	77	51076	53.369	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49661	58.538	ug/l	99
28) Bromochloromethane	7.51	49	27889	62.543	ug/l	97
29) Tetrahydrofuran	7.53	42	37137	352.919	ug/l	97
30) Chloroform	7.68	83	84799	57.293	ug/l	98
31) Cyclohexane	7.95	56	65968	55.097	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	72205	53.565	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61084	51.171	ug/l	99
37) Ethyl Acetate	7.25	43	26272	63.772	ug/l	99
38) Carbon Tetrachloride	8.07	117	64016	45.536	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78127	52.670	ug/l	98
40) Benzene	8.32	78	172653	54.201	ug/l	100
41) Methacrylonitrile	7.48	41	15663	66.966	ug/l	93
42) 1,2-Dichloroethane	8.40	62	59286	55.537	ug/l	97
43) Isopropyl Acetate	8.43	43	55441	67.172	ug/l	96
44) Trichloroethene	9.09	130	48800	50.658	ug/l	100
45) 1,2-Dichloropropane	9.37	63	40380	57.130	ug/l	100
46) Dibromomethane	9.46	93	24104	55.400	ug/l	99
47) Bromodichloromethane	9.65	83	61238	53.538	ug/l	97
48) Methyl methacrylate	9.44	41	25220	61.216	ug/l	97
49) 1,4-Dioxane	9.45	88	9170	1329.330	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	125429	321.562	ug/l	100
52) Toluene	10.39	92	121102	56.664	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	63786	56.064	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	69065	54.957	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37011	61.704	ug/l	98
56) Ethyl methacrylate	10.65	69	45196	63.774	ug/l	96
57) 1,3-Dichloropropane	10.93	76	57925	58.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	97597	301.629	ug/l	100
59) 2-Hexanone	10.97	43	90345	329.343	ug/l	100
60) Dibromochloromethane	11.13	129	40108	50.501	ug/l	98
61) 1,2-Dibromoethane	11.24	107	34612	56.983	ug/l	98
64) Tetrachloroethene	10.86	164	39349	51.641	ug/l	98
65) Chlorobenzene	11.66	112	122288	52.507	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44129	53.028	ug/l	99
67) Ethyl Benzene	11.73	91	215782	53.992	ug/l	97
68) m/p-Xylenes	11.84	106	172095	111.007	ug/l	98
69) o-Xylene	12.17	106	83891	57.728	ug/l	99
70) Styrene	12.18	104	128730	53.889	ug/l	99
71) Bromoform	12.35	173	22541	52.178	ug/l #	99
73) Isopropylbenzene	12.47	105	234395	59.490	ug/l	99
74) N-amyl acetate	12.27	43	48573	71.172	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	38406	65.012	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	52049	129.193	ug/l #	100
77) Bromobenzene	12.75	156	50385	55.799	ug/l	94
78) n-propylbenzene	12.81	91	250191	54.550	ug/l	100
79) 2-Chlorotoluene	12.90	91	142955	53.504	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	179160	52.716	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11413	59.464	ug/l	96
82) 4-Chlorotoluene	12.99	91	148121	52.066	ug/l	99
83) tert-Butylbenzene	13.21	119	150719	50.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	204133	59.525	ug/l	100
85) sec-Butylbenzene	13.39	105	196220	47.745	ug/l	100
86) p-Isopropyltoluene	13.50	119	180592	48.325	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	92806	51.765	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	94984	52.965	ug/l	100
89) n-Butylbenzene	13.83	91	152248	44.434	ug/l	99
90) Hexachloroethane	14.10	117	28191	42.969	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	89604	55.822	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7068	58.260	ug/l	95

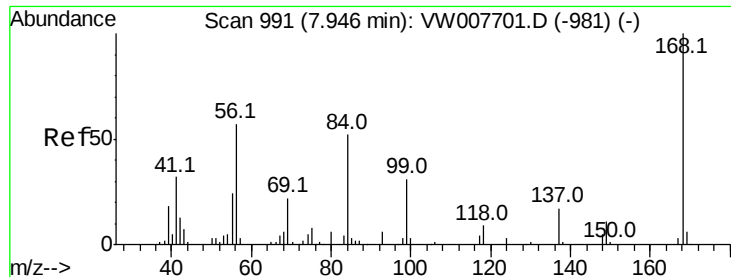
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	58463	52.469	ug/l	99
94) Hexachlorobutadiene	15.24	225	24352	40.895	ug/l	98
95) Naphthalene	15.37	128	148856	72.259	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	53759	56.364	ug/l	99

(#) = 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. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

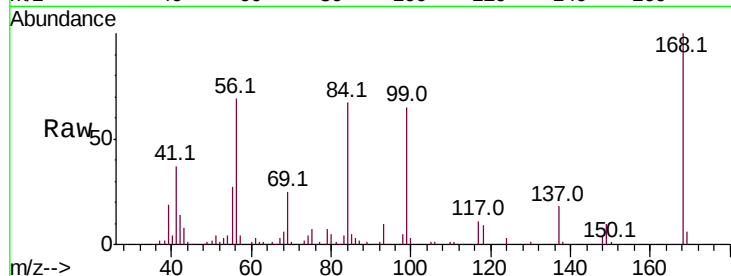
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 73383

Ion Ratio Lower Upper

168 100

99 65.2 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

20000

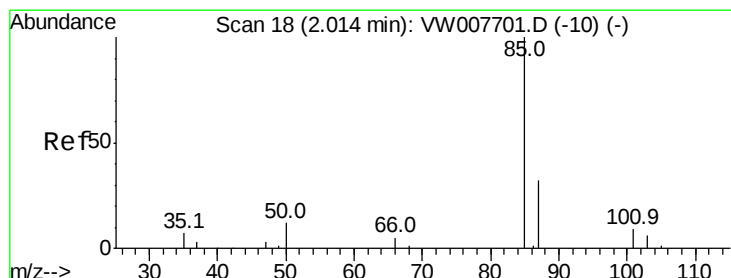
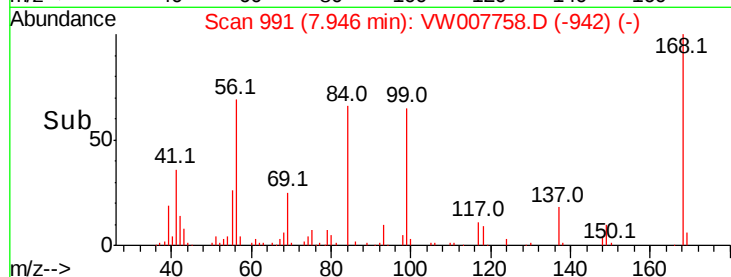
10000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 53.390 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007758.D

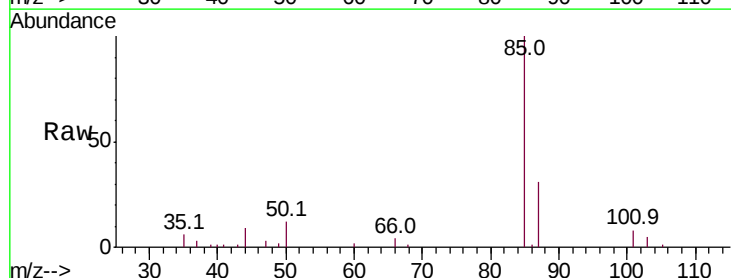
Acq: 20 Dec 2018 20:08

Tgt Ion: 85 Resp: 34830

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

4000

2000

0

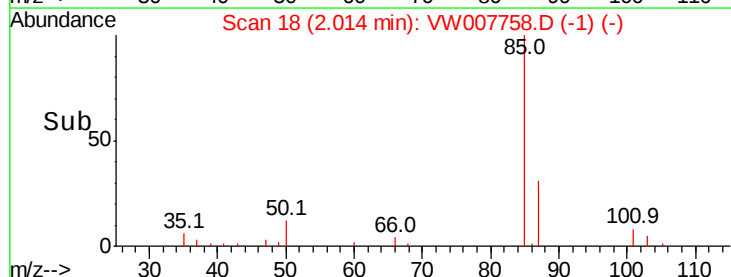
Time-->

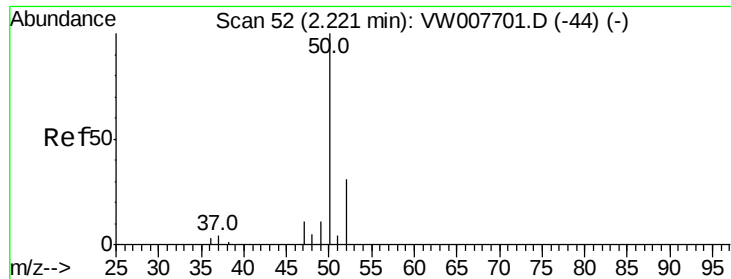
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 71.322 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

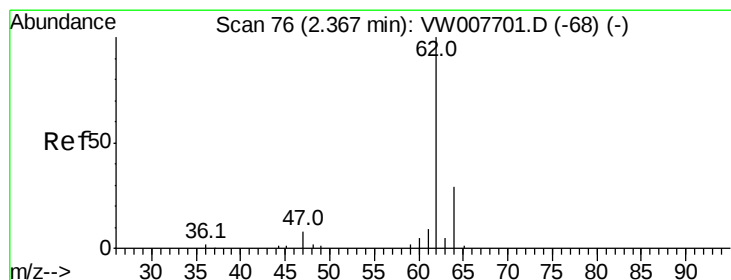
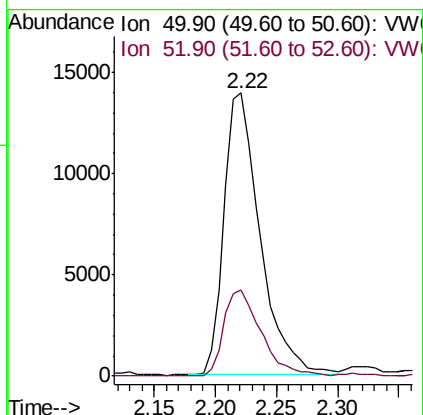
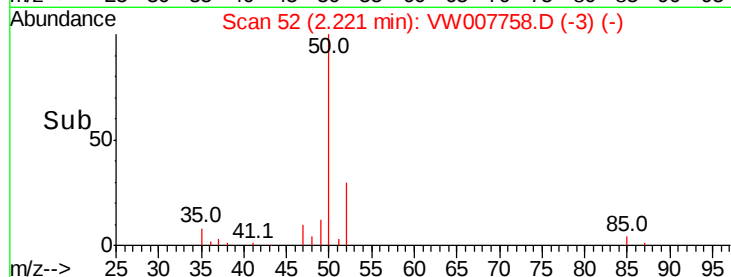
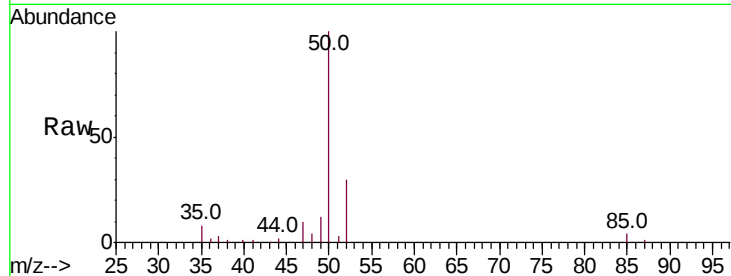
ClientSampleId :

Tot Ion: 50 Resp: 28571

Ion Ratio Lower Upper

50 100

52 30.4 25.1 37.7



#4

Vinyl Chloride

Concen: 67.395 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007758.D

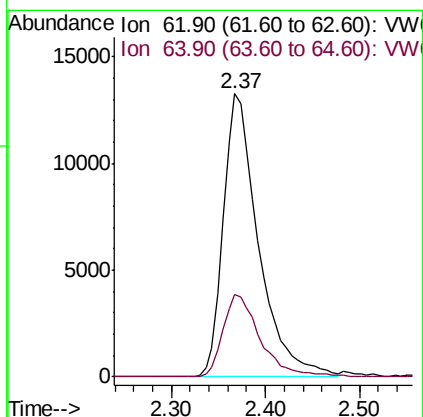
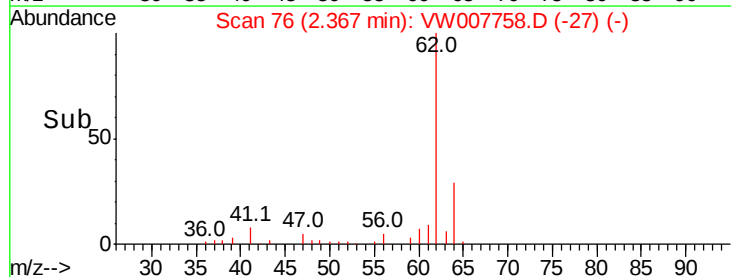
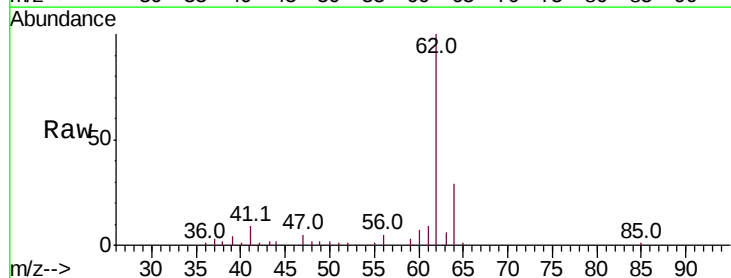
Acq: 20 Dec 2018 20:08

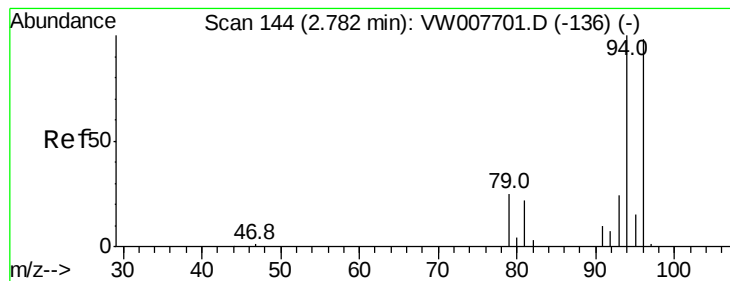
Tgt Ion: 62 Resp: 34367

Ion Ratio Lower Upper

62 100

64 29.1 23.4 35.0





#5

Bromomethane

Concen: 69.679 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

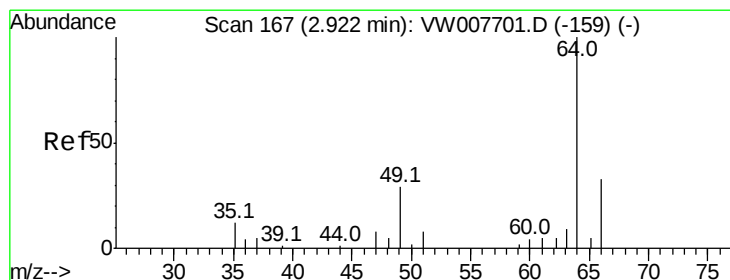
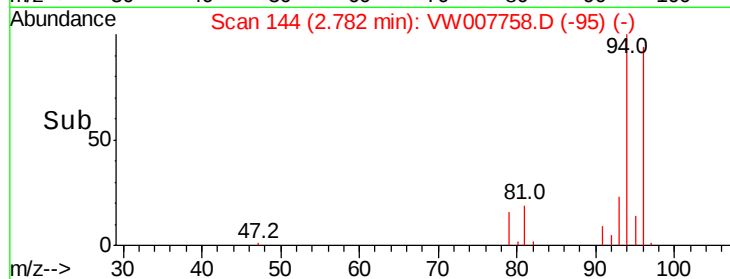
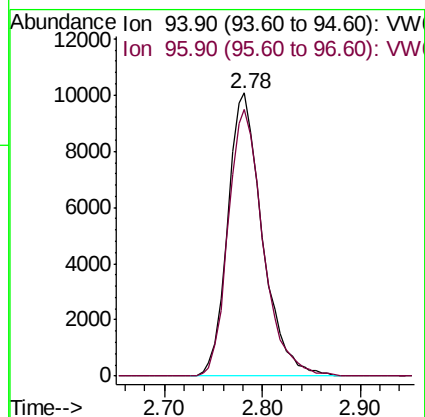
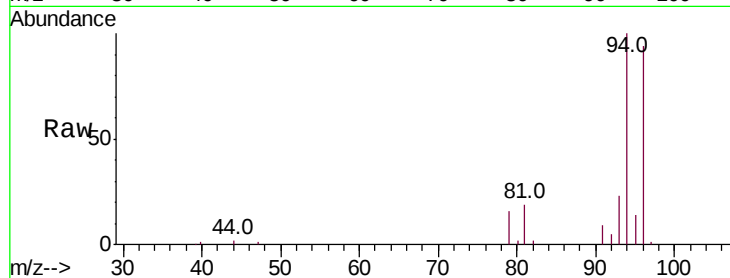
ClientSampleId :

Tot Ion: 94 Resp: 24748

Ion Ratio Lower Upper

94 100

96 94.4 78.2 117.2



#6

Chloroethane

Concen: 74.891 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007758.D

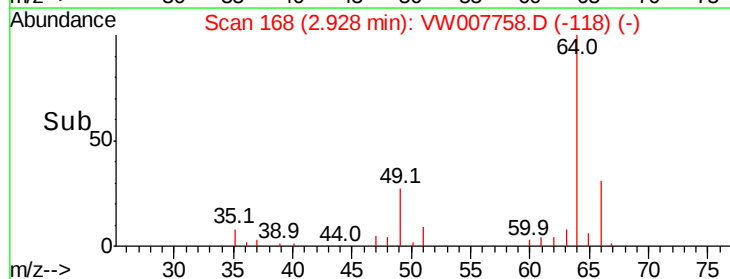
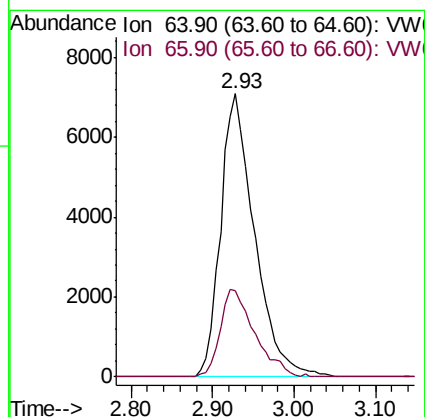
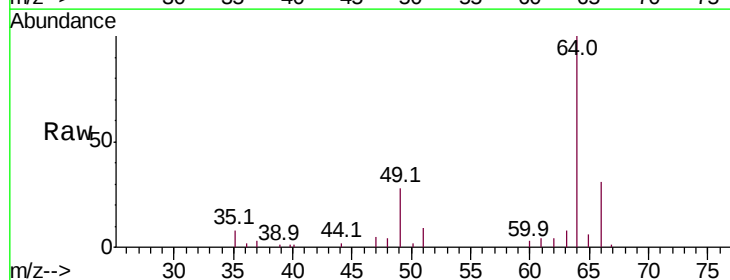
Acq: 20 Dec 2018 20:08

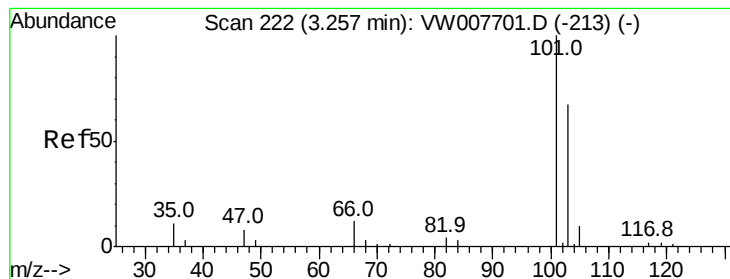
Tgt Ion: 64 Resp: 20431

Ion Ratio Lower Upper

64 100

66 30.7 26.2 39.4



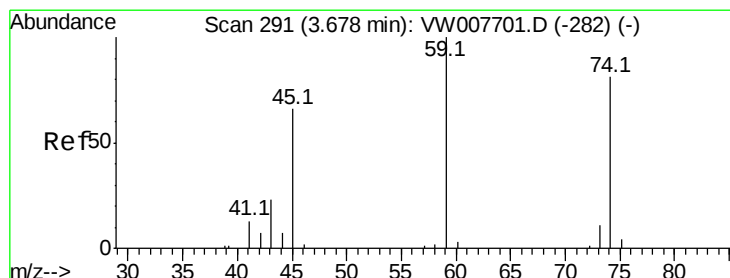
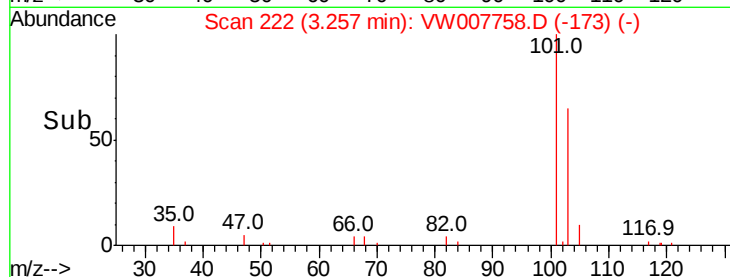
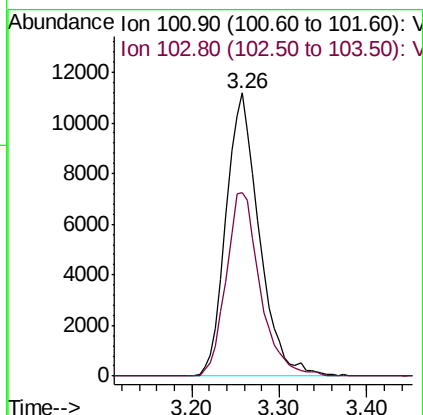
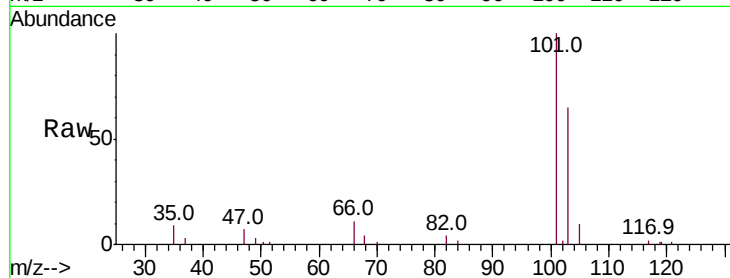


#7

Trichlorofluoromethane
 Concen: 55.529 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampled :

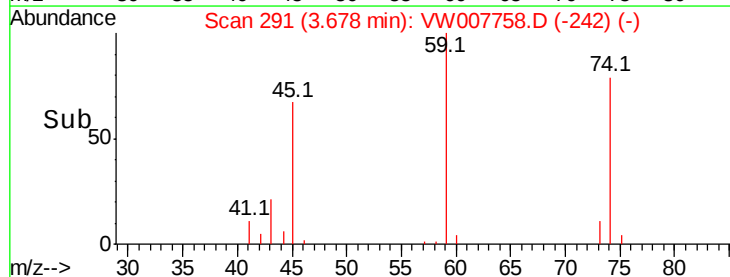
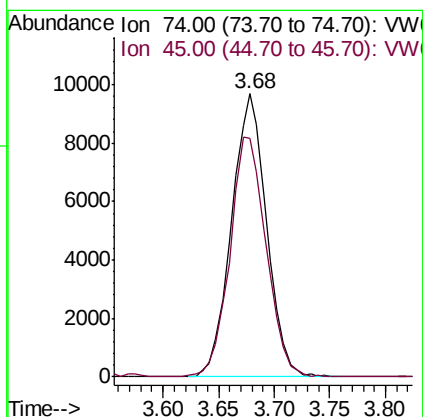
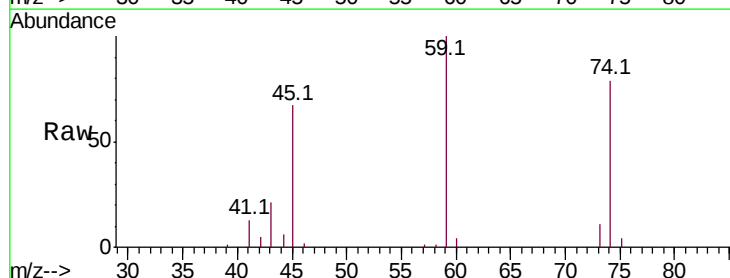
Tot Ion:101 Resp: 29480
 Ion Ratio Lower Upper
 101 100
 103 64.7 53.4 80.2

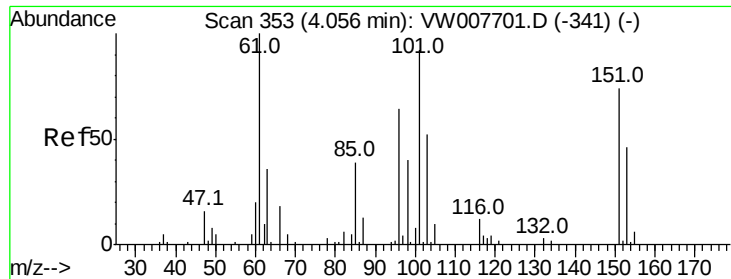


#8

Diethyl Ether
 Concen: 64.664 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 74 Resp: 21027
 Ion Ratio Lower Upper
 74 100
 45 88.1 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.992 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

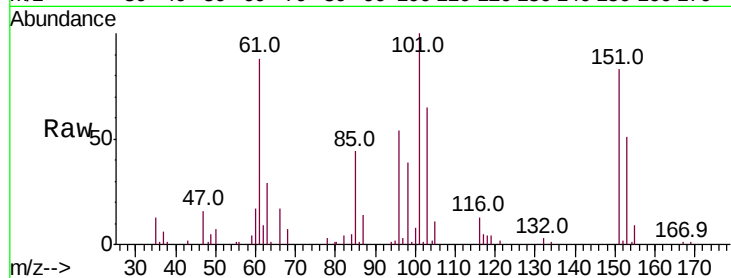
Tot Ion:101 Resp: 41433

Ion Ratio Lower Upper

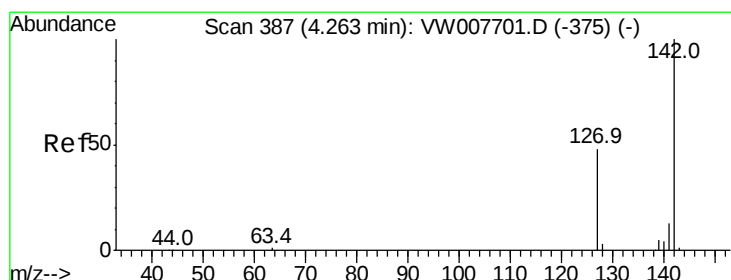
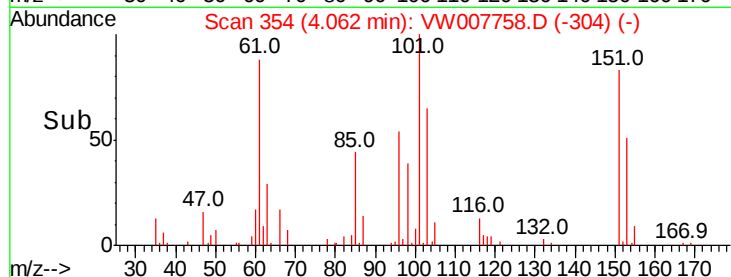
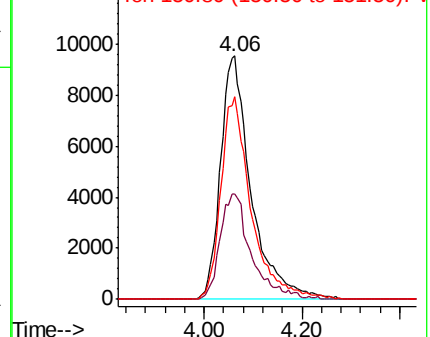
101 100

85 43.8 34.3 51.5

151 82.1 64.6 96.8



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: 55.921 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

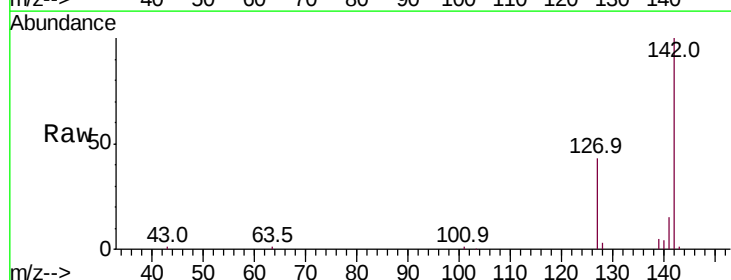
Tgt Ion:142 Resp: 69532

Ion Ratio Lower Upper

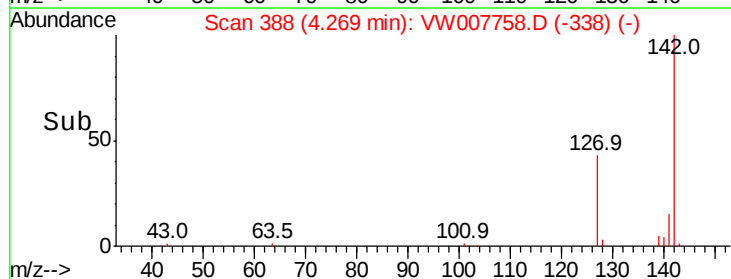
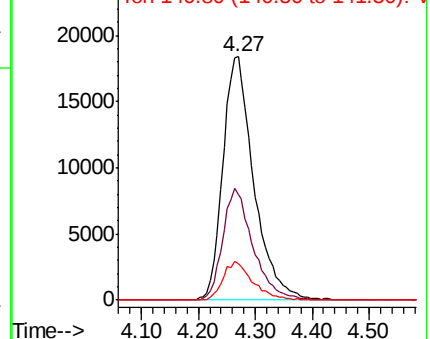
142 100

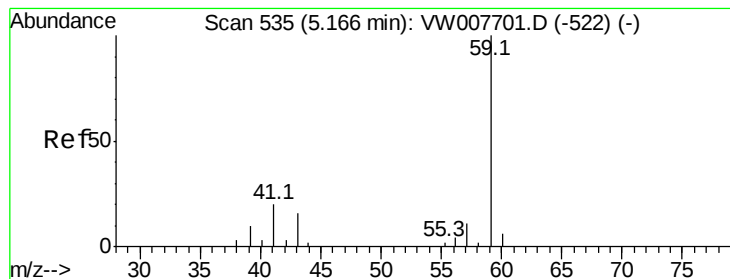
127 44.7 37.7 56.5

141 15.2 11.5 17.3



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



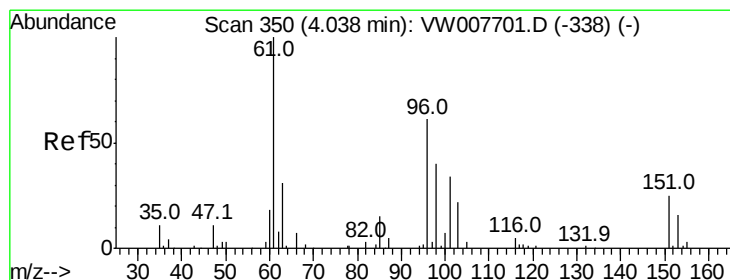
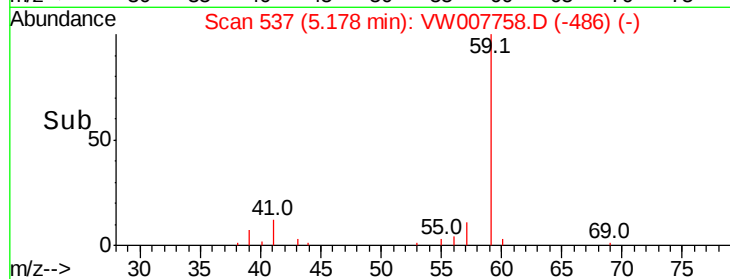
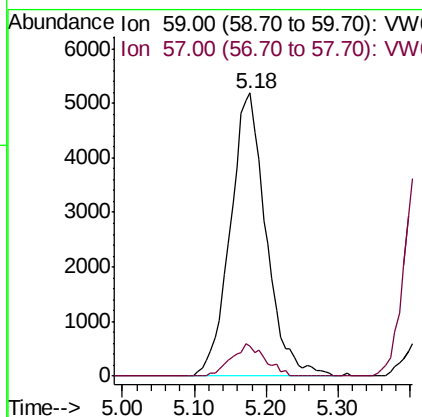
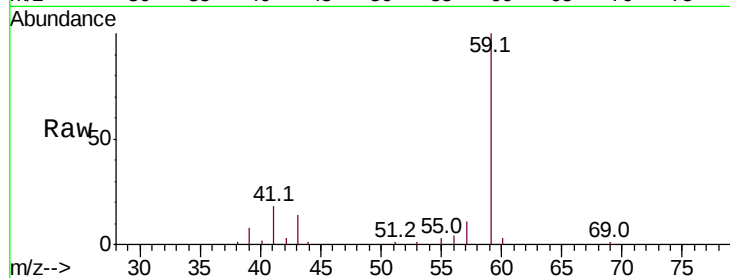


#11

Tert butyl alcohol
 Concen: 329.210 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampleId :

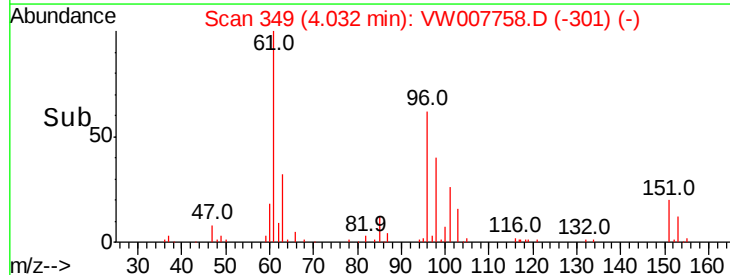
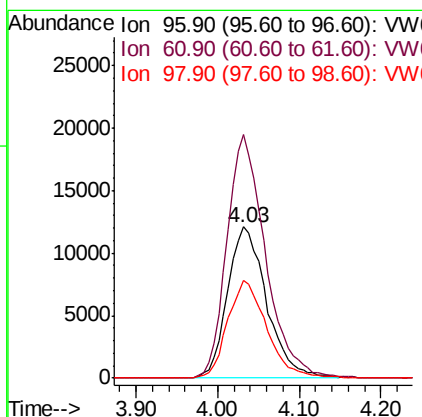
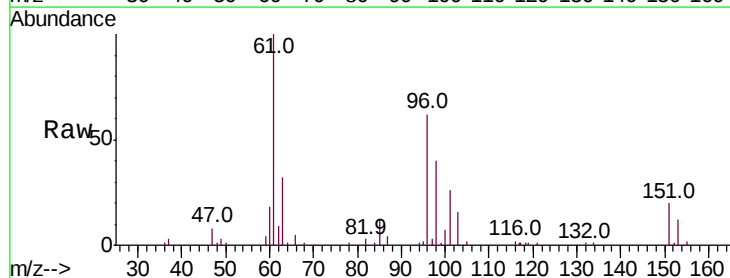
Tot Ion: 59 Resp: 17862
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.8 11.8

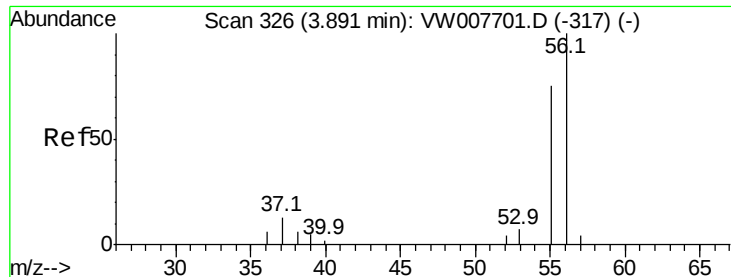


#12

1,1-Dichloroethene
 Concen: 55.549 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 96 Resp: 40218
 Ion Ratio Lower Upper
 96 100
 61 161.1 130.6 195.8
 98 64.4 52.3 78.5





#13

Acrolein

Concen: 238.787 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

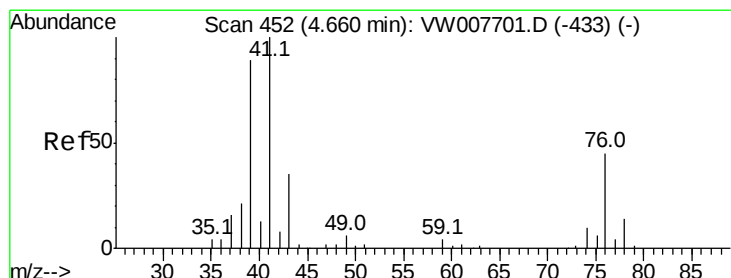
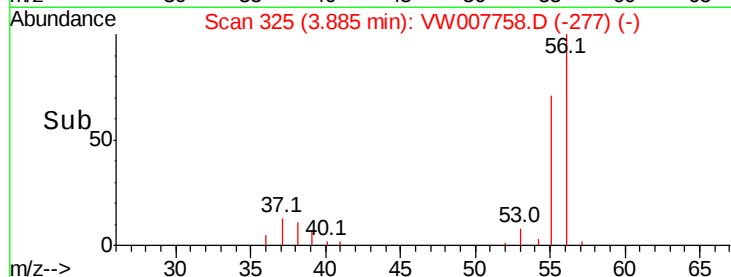
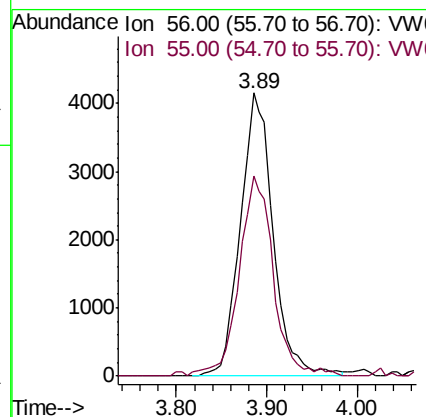
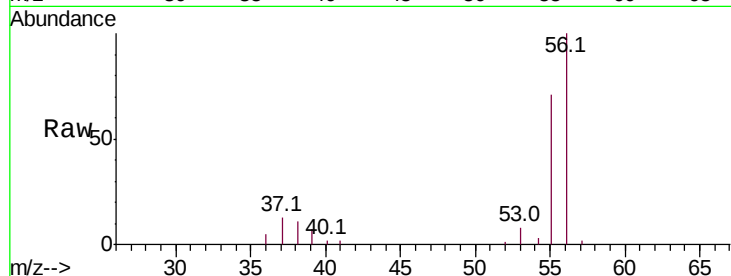
ClientSampled :

Tot Ion: 56 Resp: 10359

Ion Ratio Lower Upper

56 100

55 72.9 57.7 86.5



#14

Allyl chloride

Concen: 59.332 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

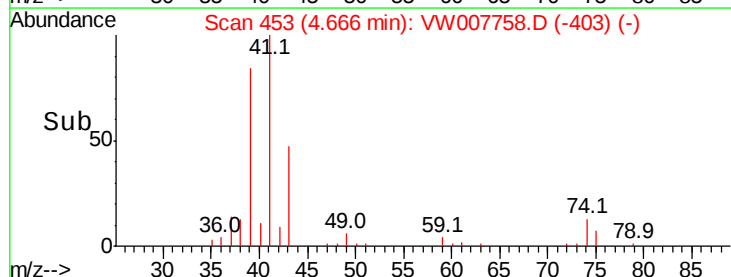
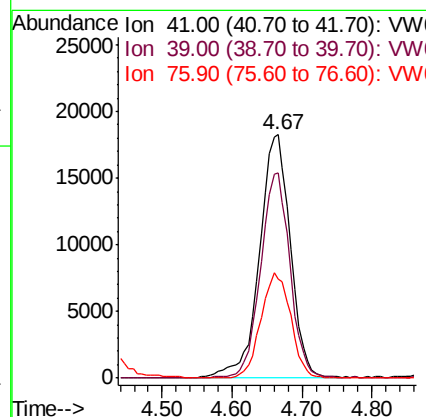
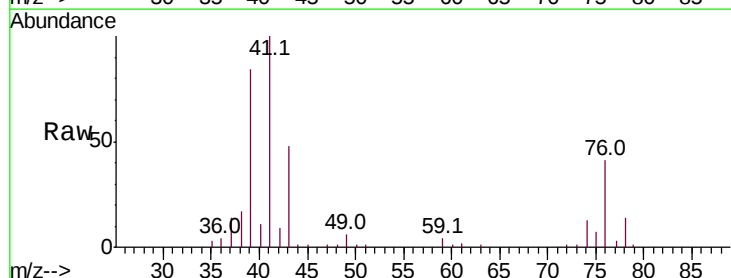
Tgt Ion: 41 Resp: 56332

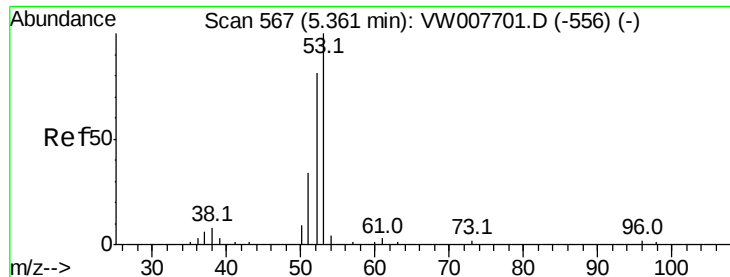
Ion Ratio Lower Upper

41 100

39 80.2 69.5 104.3

76 41.4 34.8 52.2





#15

Acrylonitrile

Concen: 329.444 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

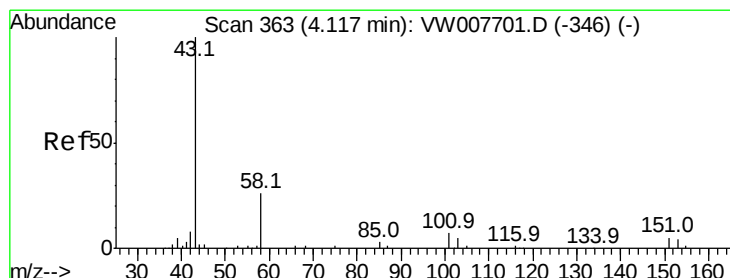
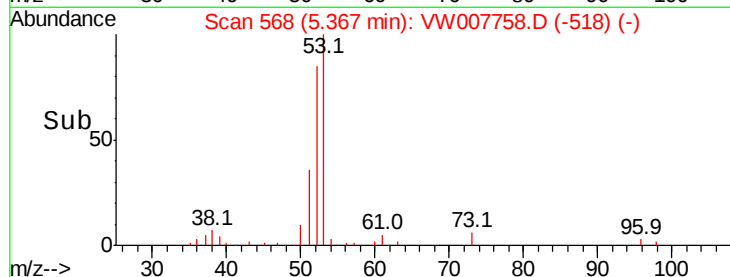
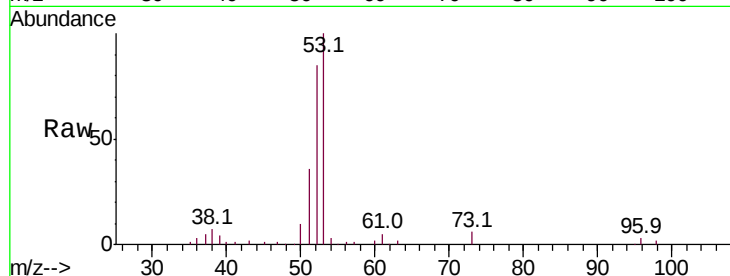
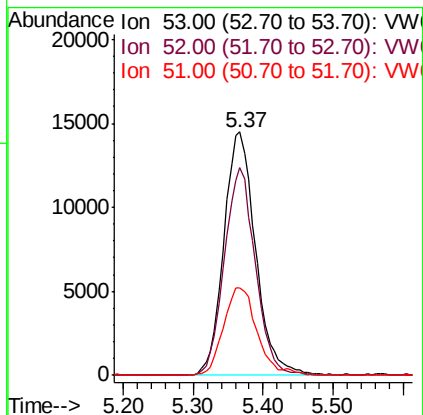
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 45697

Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.0	100.4
51	38.3	30.2	45.2



#16

Acetone

Concen: 332.617 ug/l

RT: 4.12 min Scan# 363

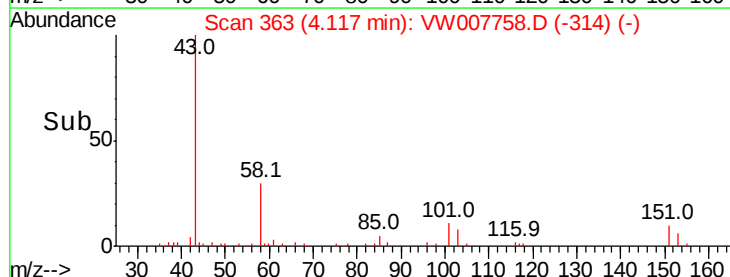
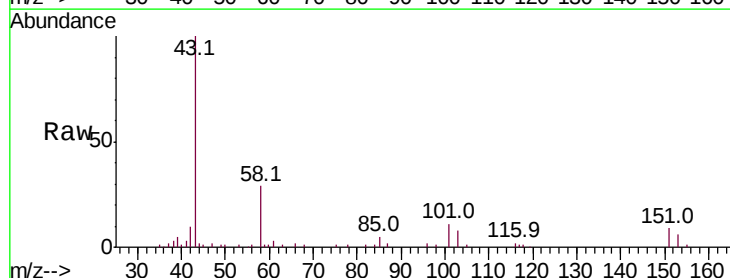
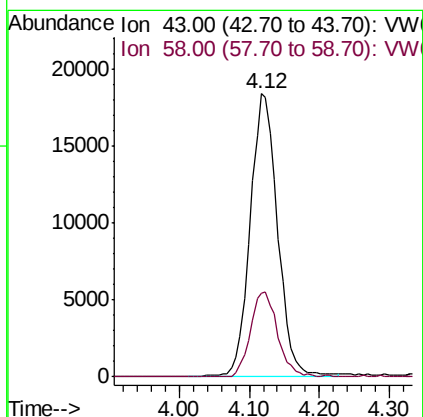
Delta R.T. -0.00 min

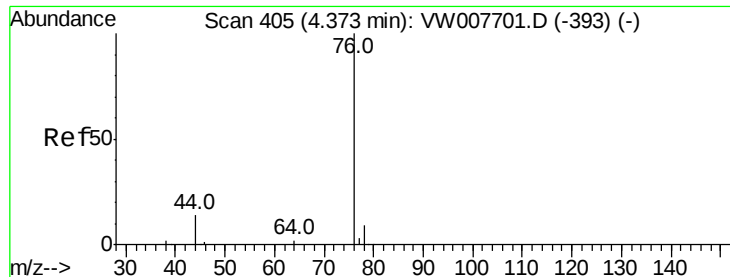
Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion: 43 Resp: 50097

Ion	Ratio	Lower	Upper
43	100		
58	29.4	21.2	31.8

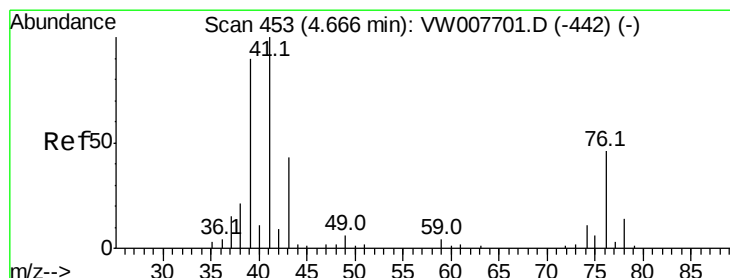
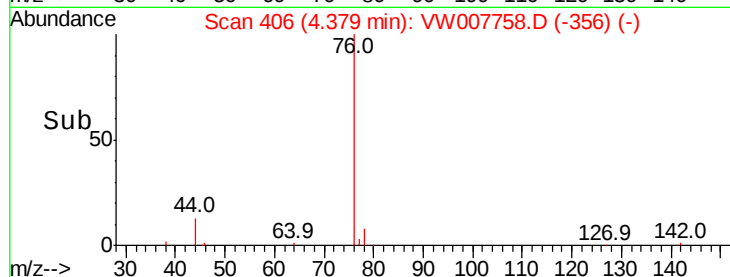
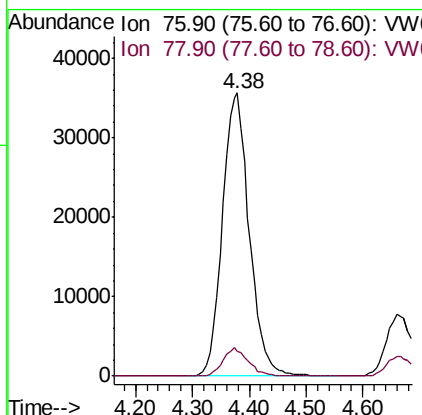
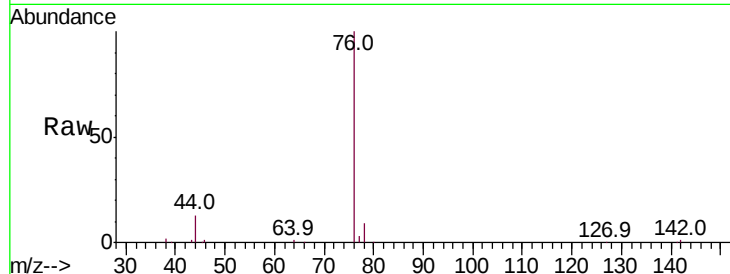




#17
Carbon Disulfide
Concen: 52.036 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

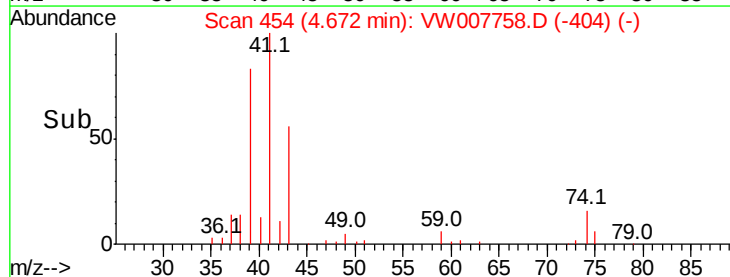
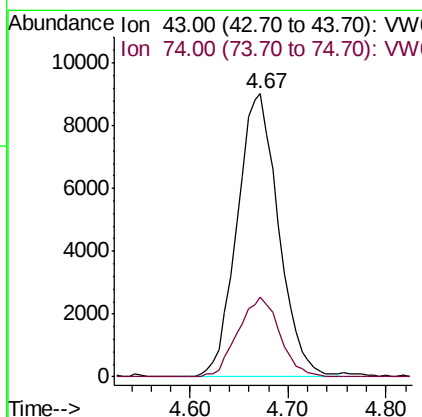
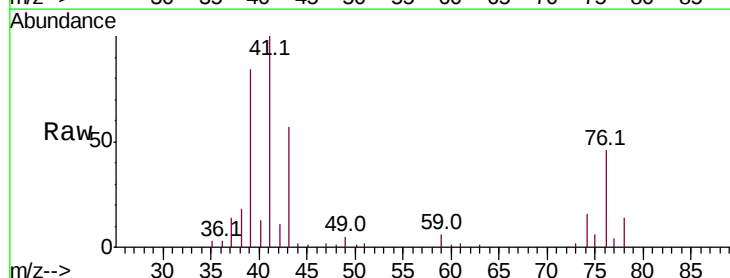
Instrument :
MSVOA_W
ClientSampleId :

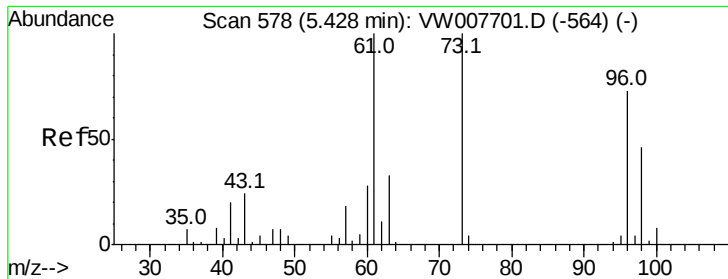
Tot Ion: 76 Resp: 116587
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 74.063 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 43 Resp: 26529
Ion Ratio Lower Upper
43 100
74 28.3 22.7 34.1

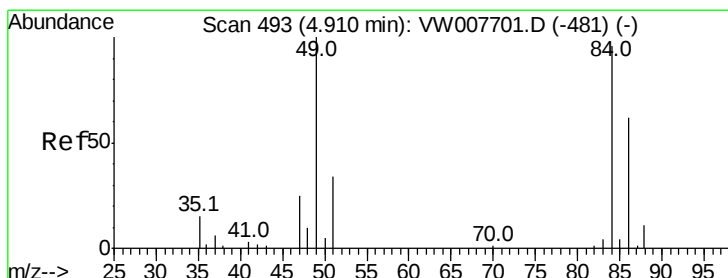
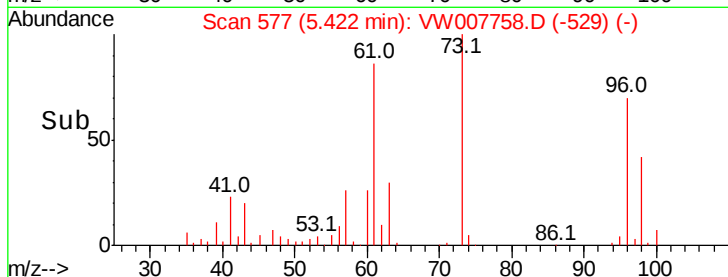
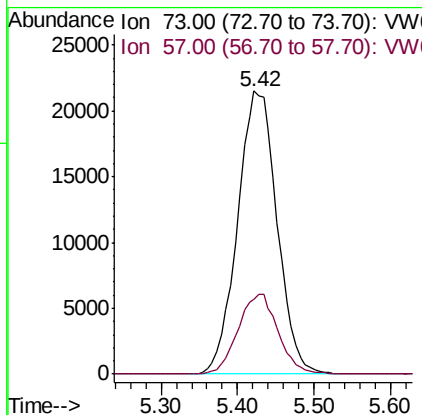
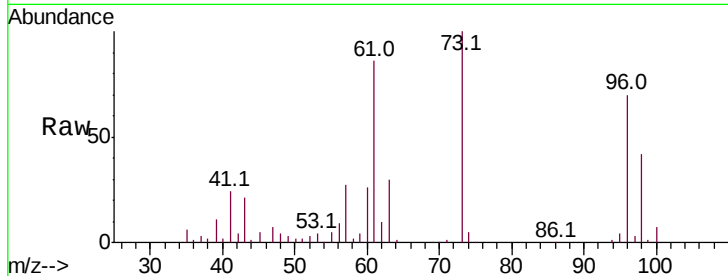




#19
Methyl tert-butyl Ether
Concen: 73.980 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

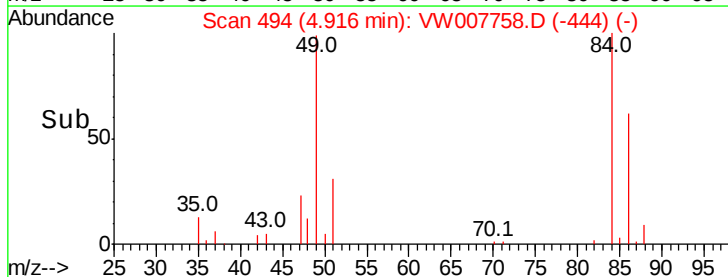
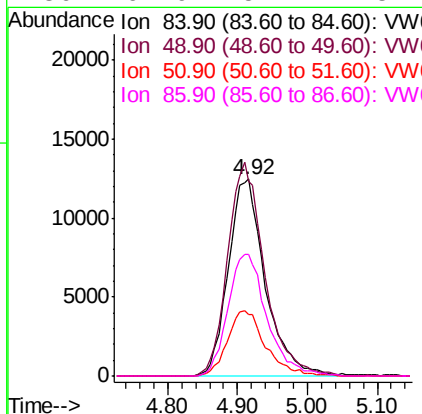
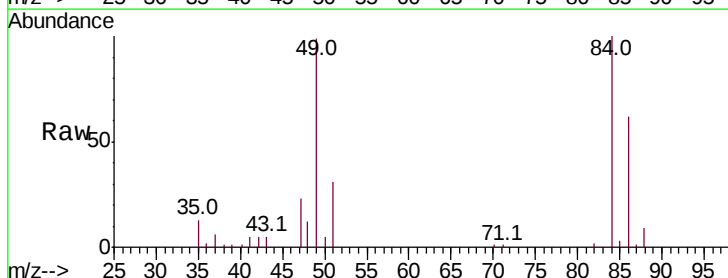
Instrument :
MSVOA_W
ClientSampled :

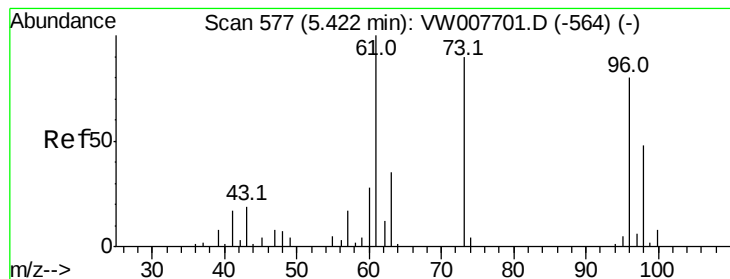
Tot Ion: 73 Resp: 76896
Ion Ratio Lower Upper
73 100
57 26.6 14.7 22.1#



#20
Methylene Chloride
Concen: 62.355 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 84 Resp: 45793
Ion Ratio Lower Upper
84 100
49 98.8 83.7 125.5
51 30.9 28.2 42.2
86 61.9 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 55.954 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampled :

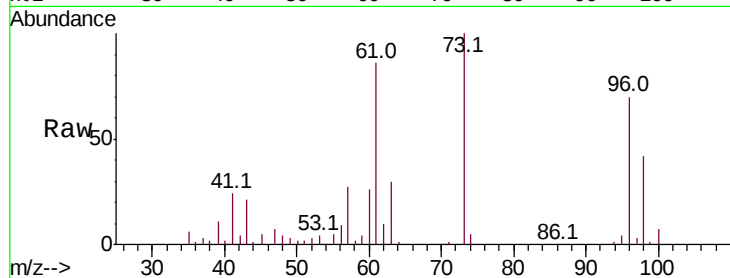
Tot Ion: 96 Resp: 44555

Ion Ratio Lower Upper

96 100

61 124.2 100.1 150.1

98 60.5 48.5 72.7

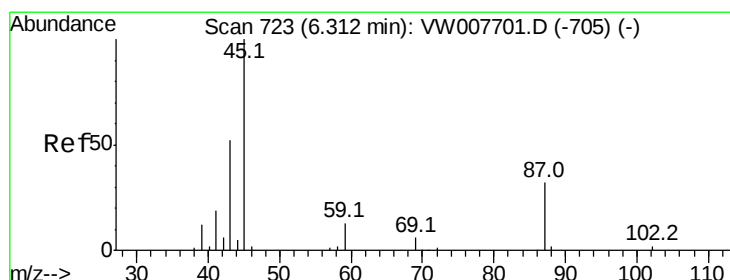
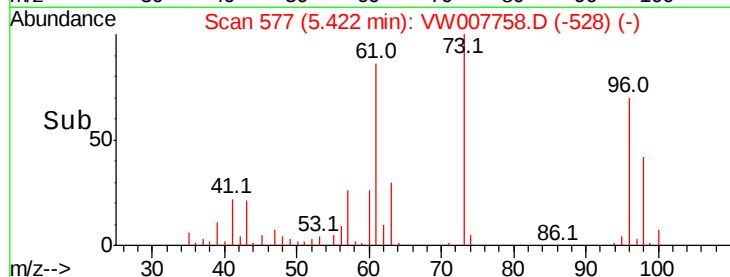
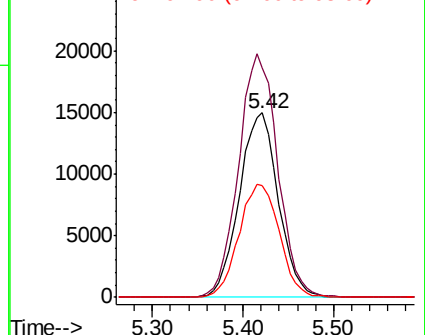


Abundance

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: 64.015 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion: 45 Resp: 113806

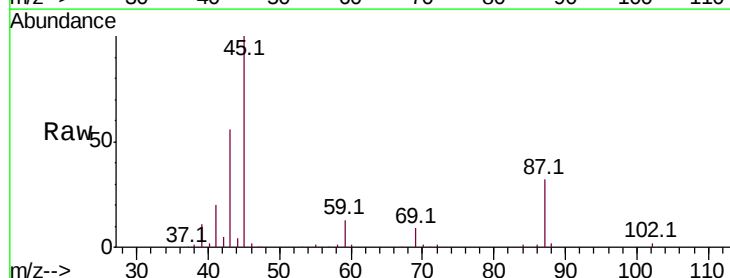
Ion Ratio Lower Upper

45 100

43 56.0 43.7 65.5

87 31.6 26.6 40.0

59 12.4 10.2 15.2



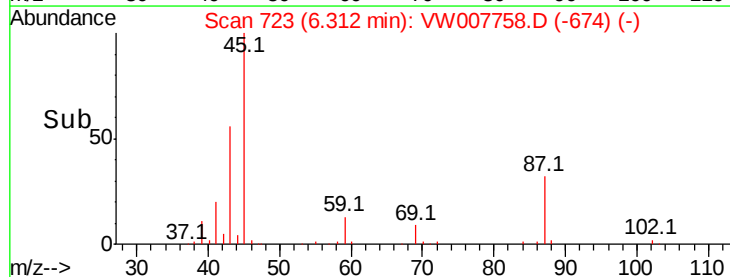
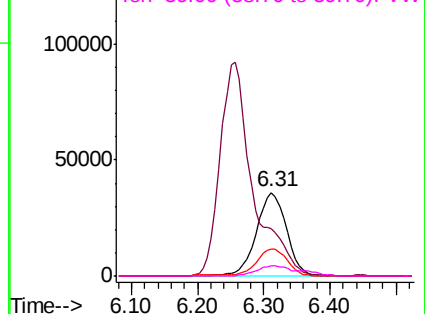
Abundance

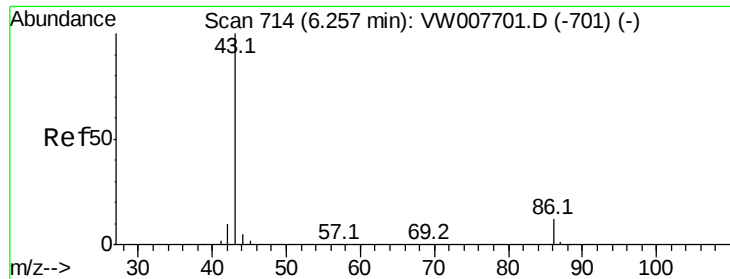
Ion 45.00 (44.70 to 45.70): VW

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: 300.687 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

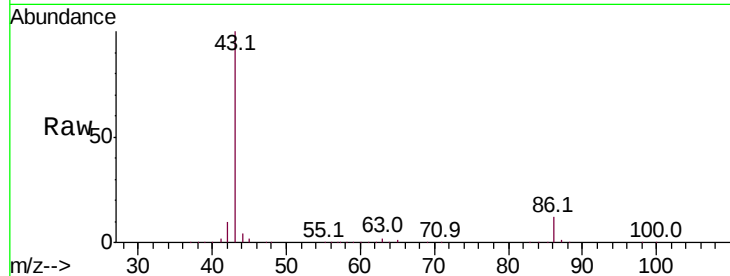
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 317598

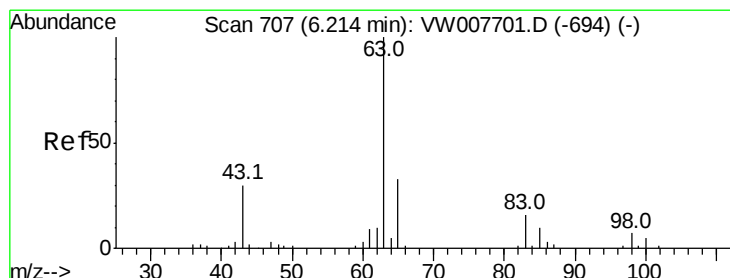
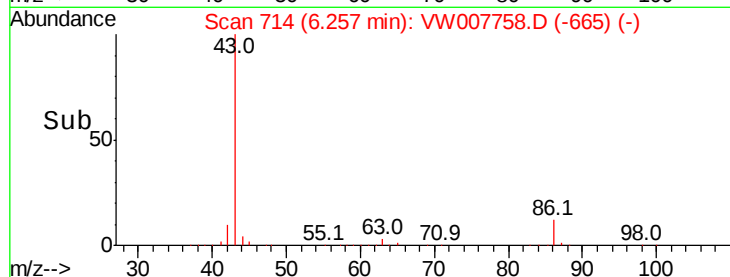
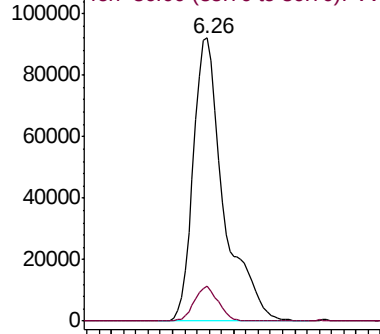
Ion Ratio Lower Upper

43 100

86 12.4 9.6 14.4



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



#24

1,1-Dichloroethane

Concen: 58.258 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

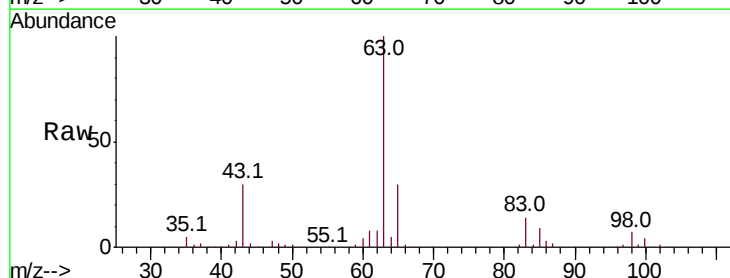
Tgt Ion: 63 Resp: 76193

Ion Ratio Lower Upper

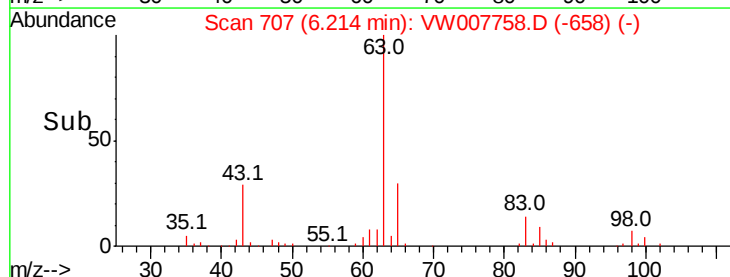
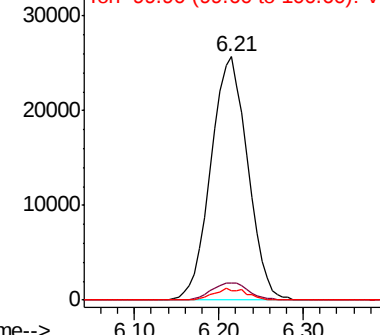
63 100

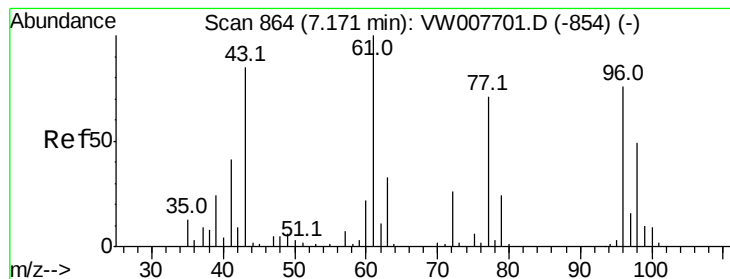
98 7.2 3.6 10.9

100 4.0 2.5 7.5



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





#25

2-Butanone

Concen: 330.461 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

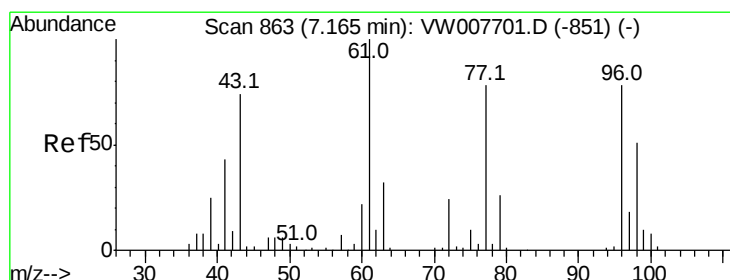
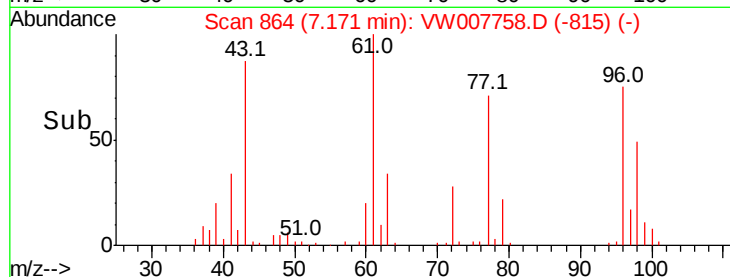
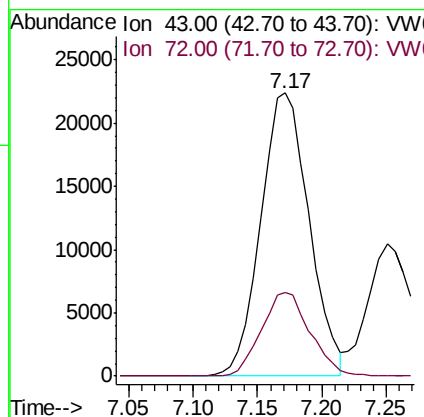
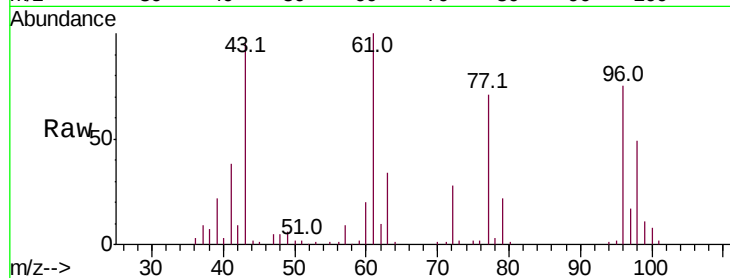
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 58298

Ion Ratio Lower Upper

43 100

72 29.6 24.5 36.7



#26

2,2-Dichloropropane

Concen: 53.369 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007758.D

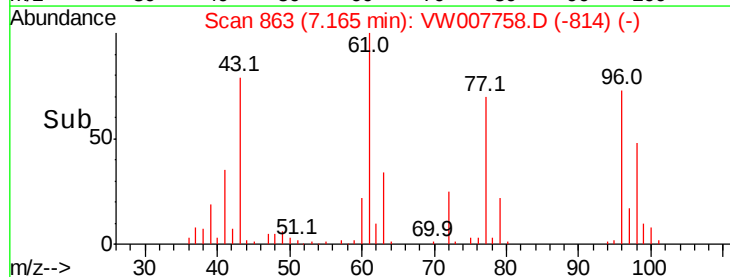
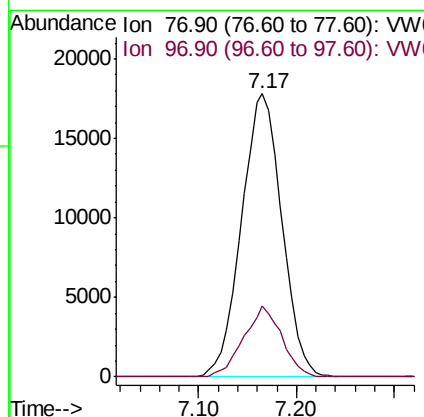
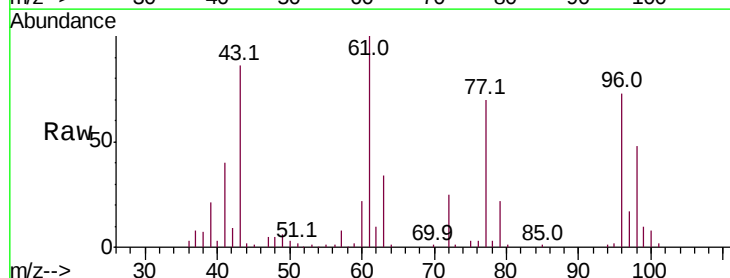
Acq: 20 Dec 2018 20:08

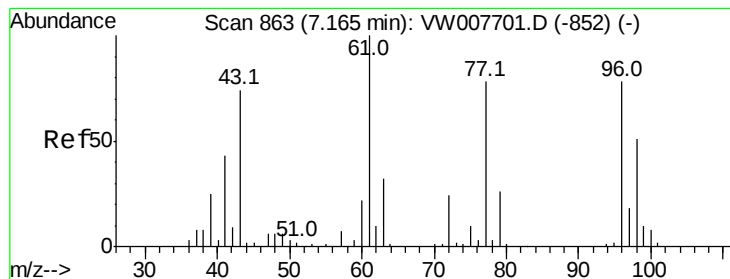
Tgt Ion: 77 Resp: 51076

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.9



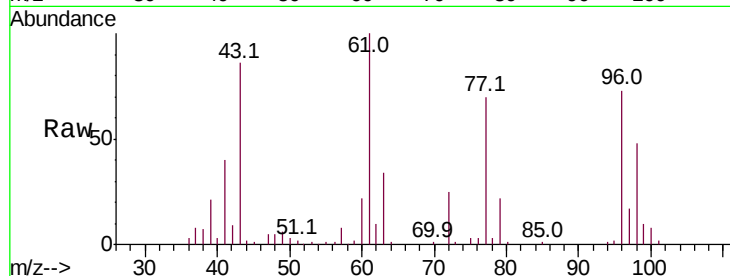


#27

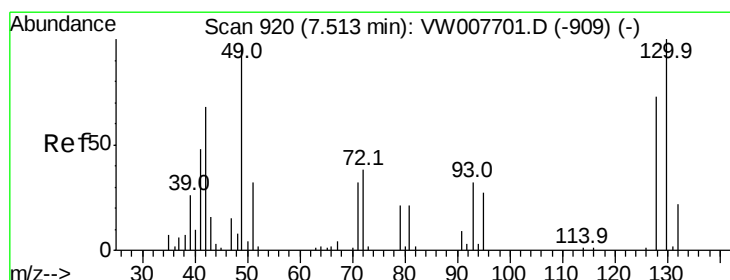
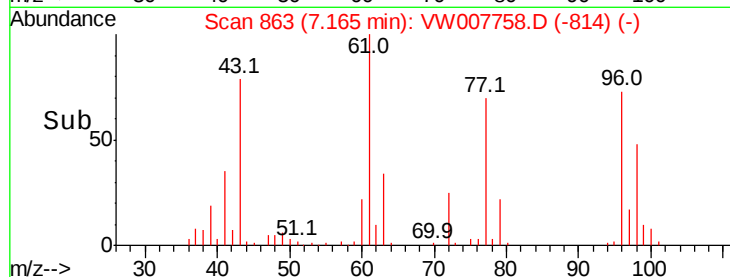
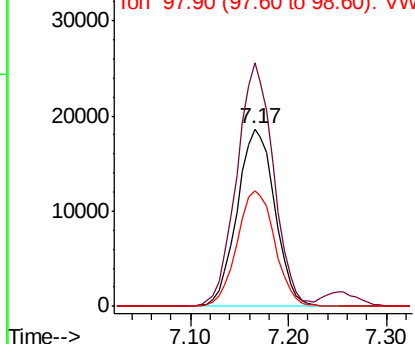
cis-1,2-Dichloroethene
Concen: 58.538 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 49661
Ion Ratio Lower Upper
96 100
61 134.4 0.0 271.6
98 65.3 0.0 131.2



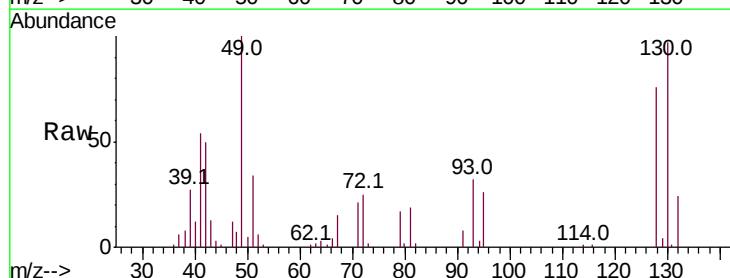
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



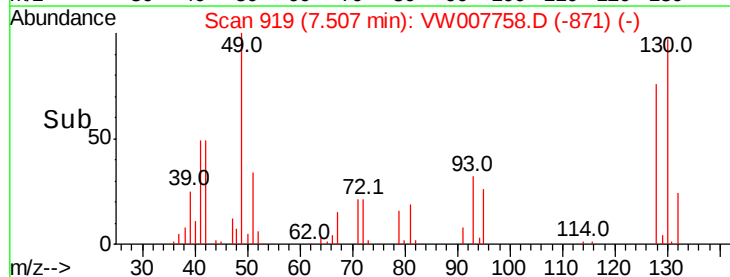
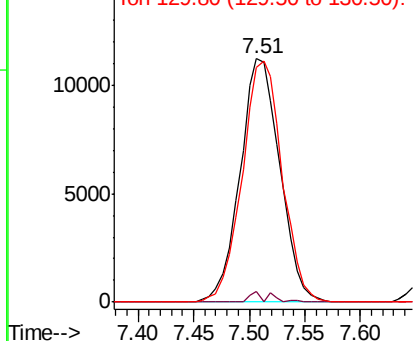
#28

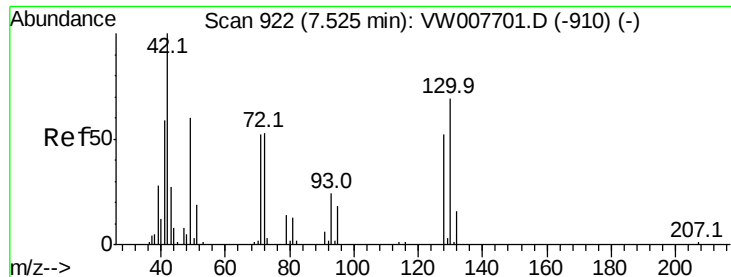
Bromochloromethane
Concen: 62.543 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 49 Resp: 27889
Ion Ratio Lower Upper
49 100
129 1.0 0.0 2.2
130 99.3 81.5 122.3



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

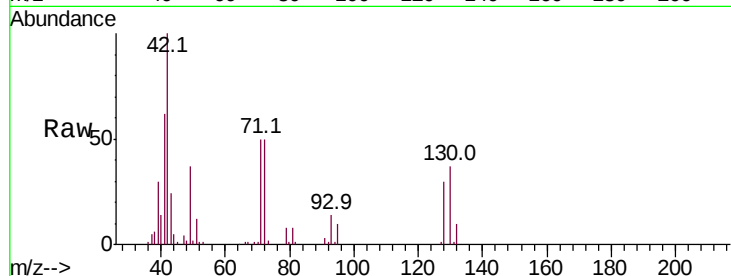




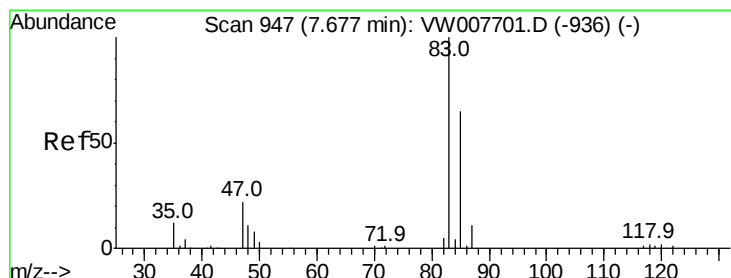
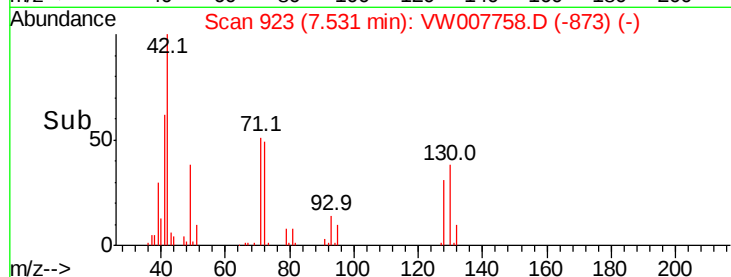
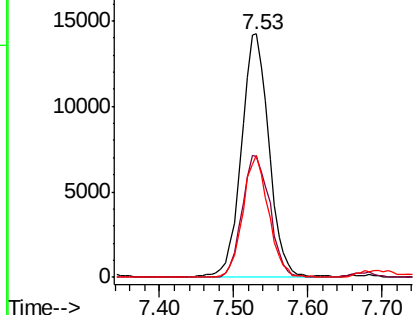
#29
Tetrahydrofuran
Concen: 352.919 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 37137
Ion Ratio Lower Upper
42 100
72 50.1 41.7 62.5
71 46.5 39.0 58.6

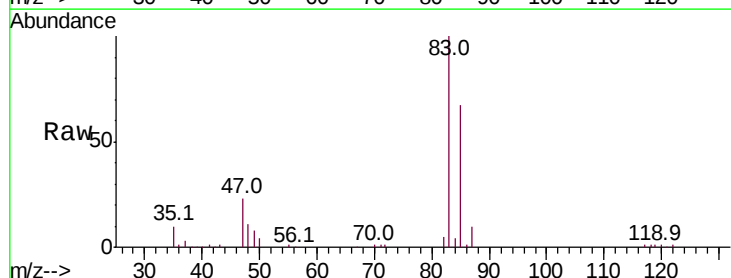


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

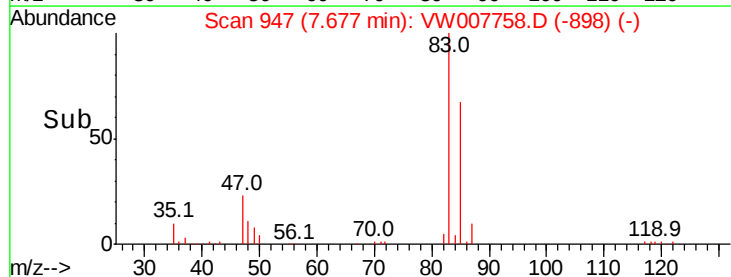
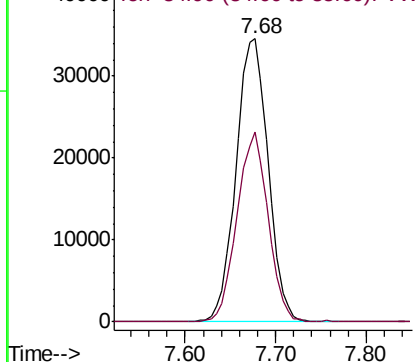


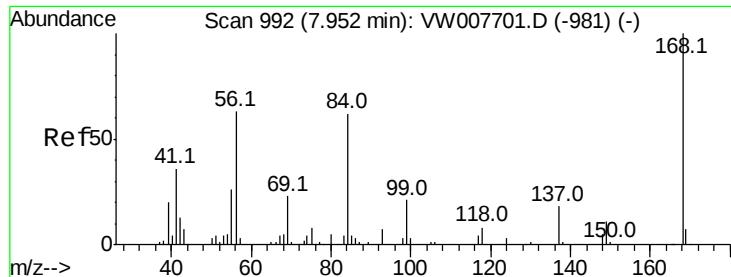
#30
Chloroform
Concen: 57.293 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 83 Resp: 84799
Ion Ratio Lower Upper
83 100
85 67.0 52.2 78.2



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

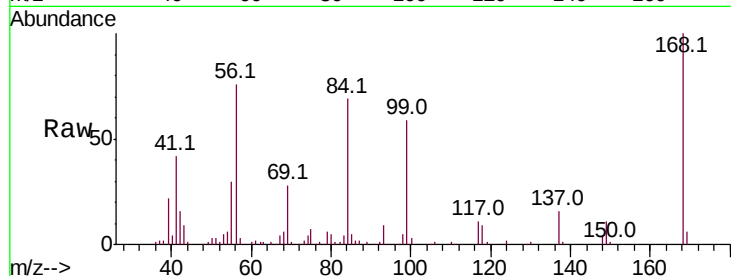




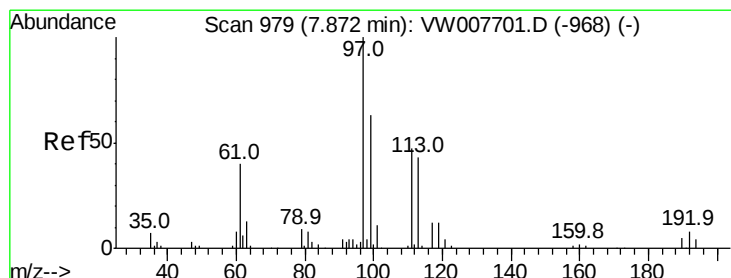
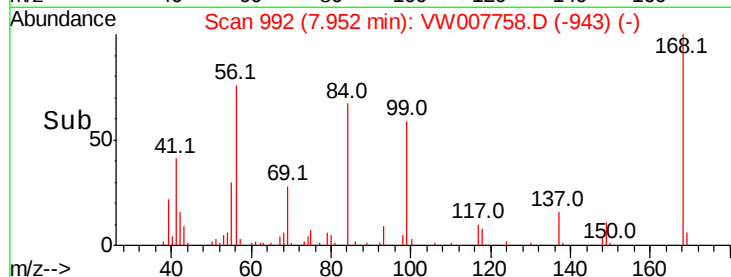
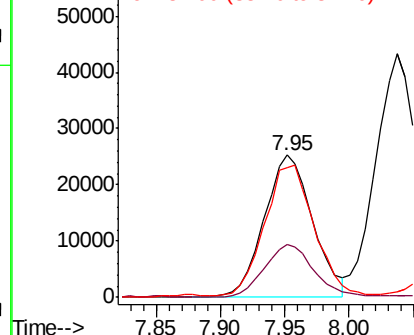
#31
Cyclohexane
Concen: 55.097 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 65968
Ion Ratio Lower Upper
56 100
69 36.9 29.7 44.5
84 88.9 78.9 118.3

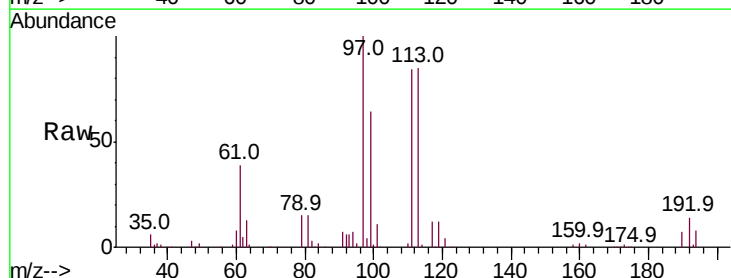


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

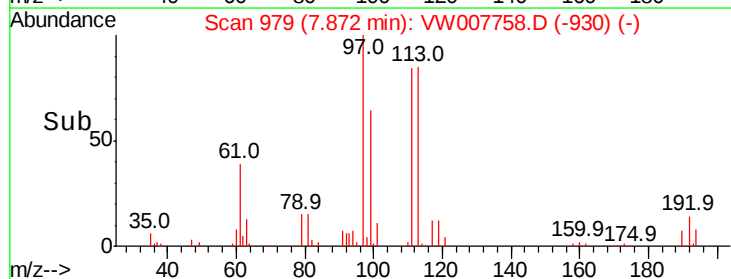
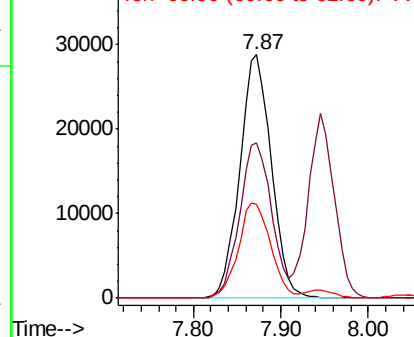


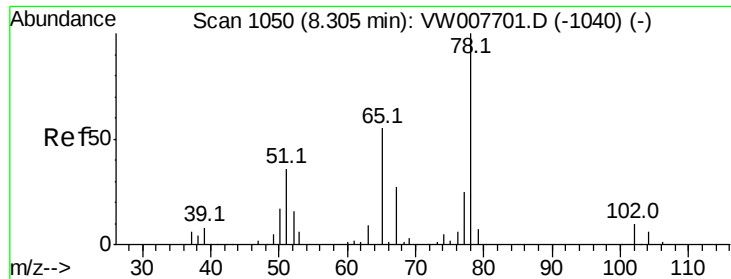
#32
1,1,1-Trichloroethane
Concen: 53.565 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 97 Resp: 72205
Ion Ratio Lower Upper
97 100
99 64.6 50.6 76.0
61 40.2 32.3 48.5



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

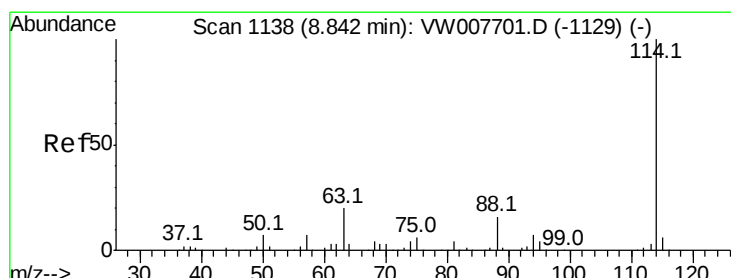
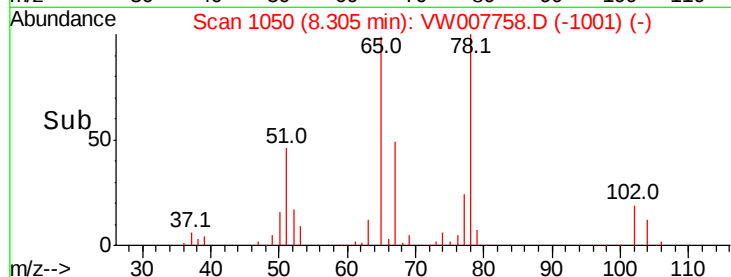
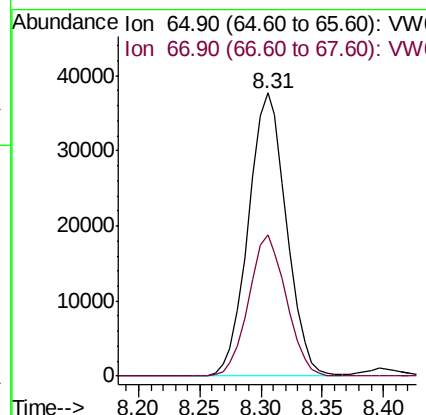
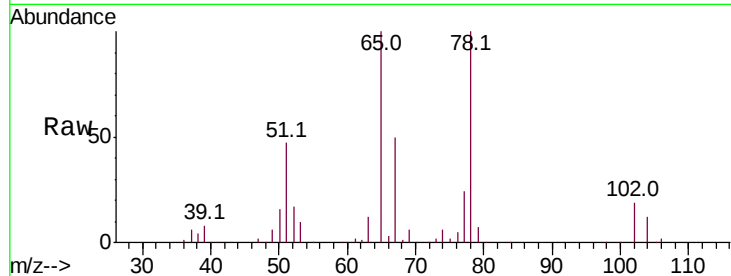




#33
 1,2-Dichloroethane-d4
 Concen: 101.567 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

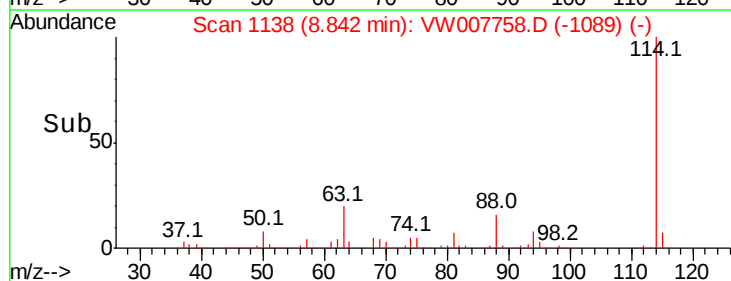
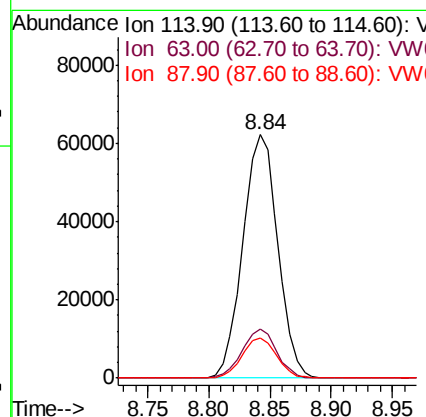
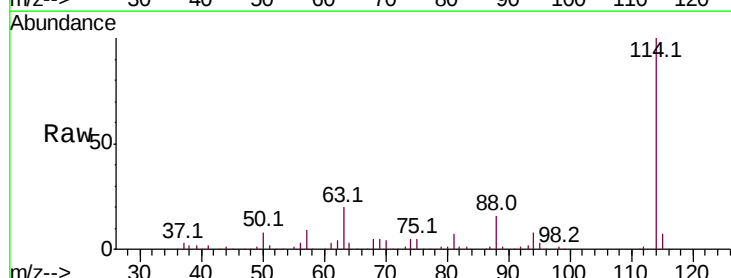
Instrument :
 MSVOA_W
 ClientSampleId :

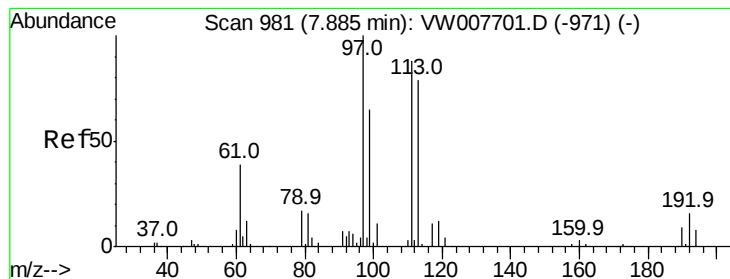
Tot Ion: 65 Resp: 81691
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion:114 Resp: 123678
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 95.003 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

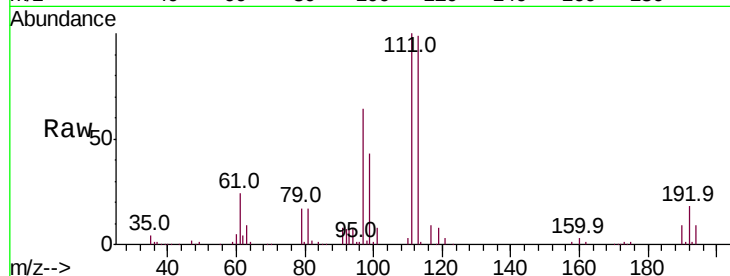
Tot Ion:113 Resp: 71680

Ion Ratio Lower Upper

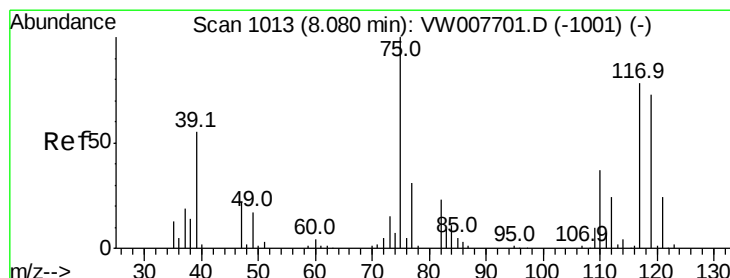
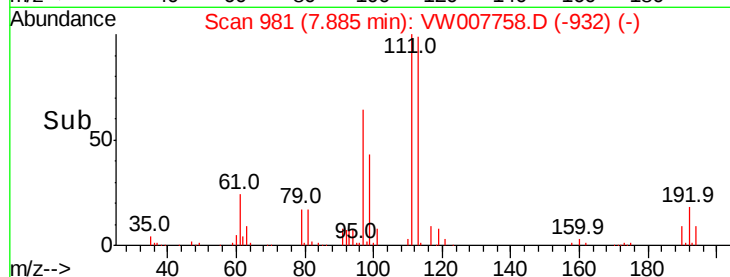
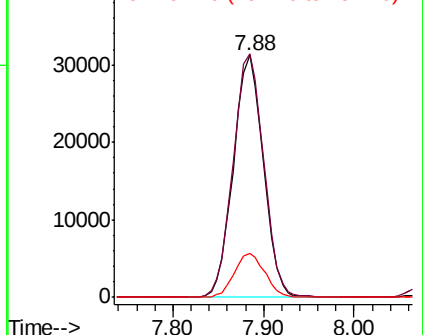
113 100

111 103.0 82.6 124.0

192 18.4 15.5 23.3



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: 51.171 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

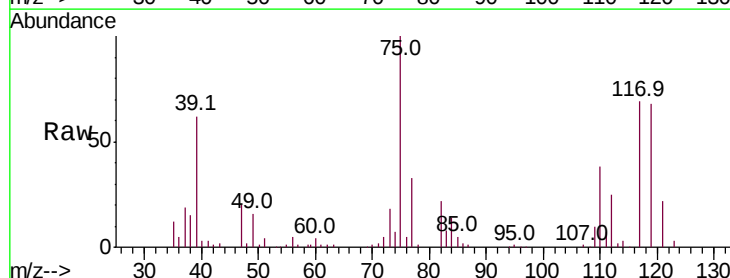
Tgt Ion: 75 Resp: 61084

Ion Ratio Lower Upper

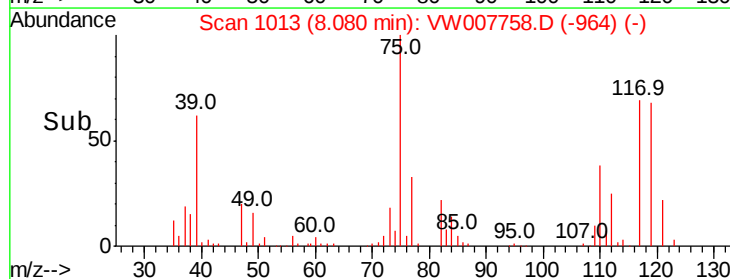
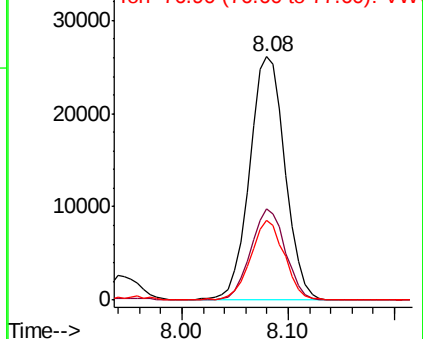
75 100

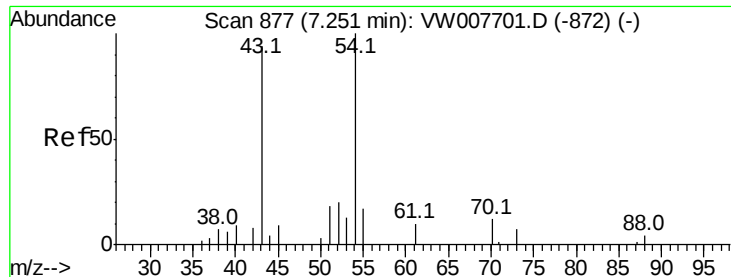
110 36.3 18.6 55.8

77 31.4 25.0 37.4



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

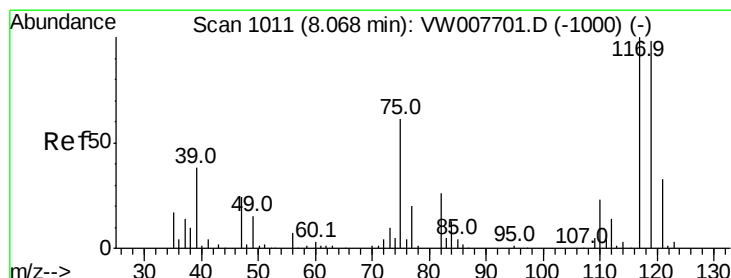
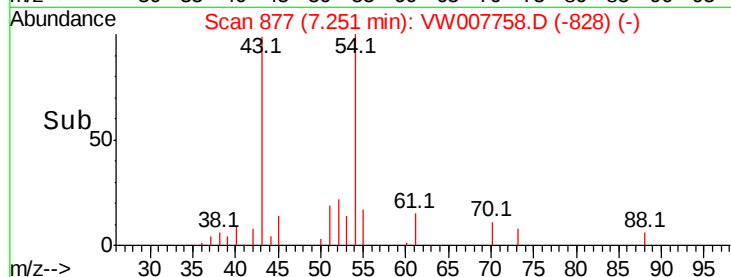
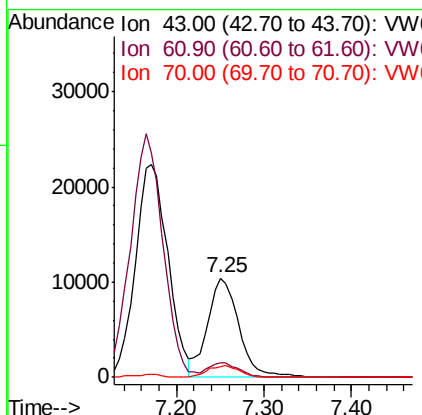
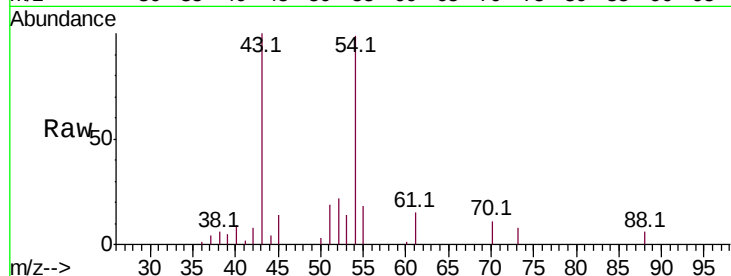




#37
Ethyl Acetate
Concen: 63.772 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

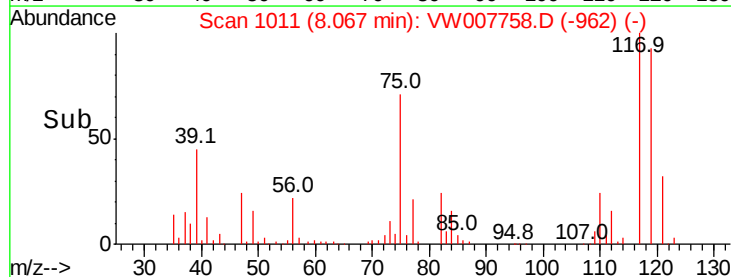
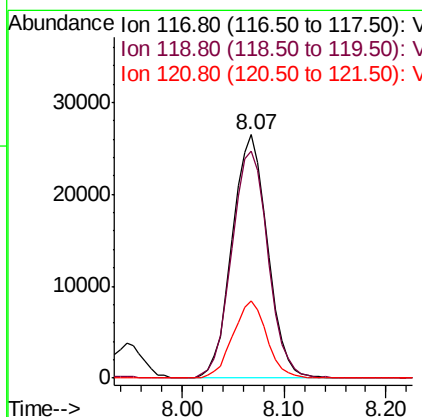
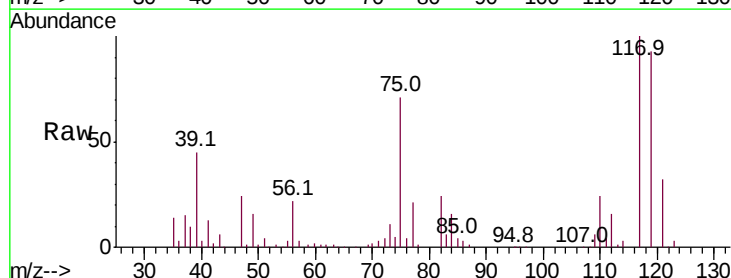
Instrument :
MSVOA_W
ClientSampleId :

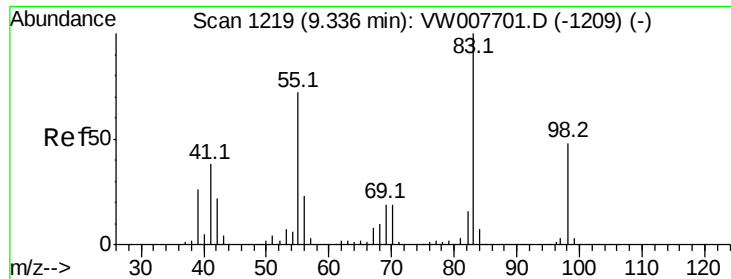
Tot Ion: 43 Resp: 26272
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 11.7 9.3 13.9



#38
Carbon Tetrachloride
Concen: 45.536 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 117 Resp: 64016
Ion Ratio Lower Upper
117 100
119 93.0 78.2 117.2
121 31.7 26.1 39.1

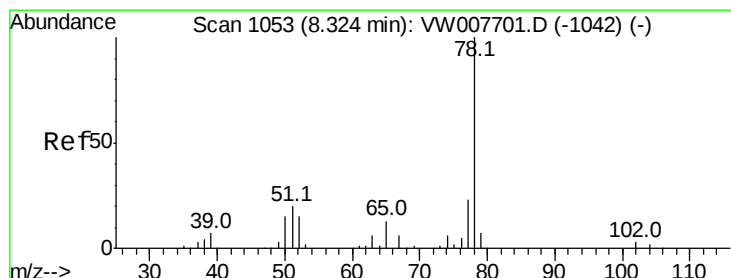
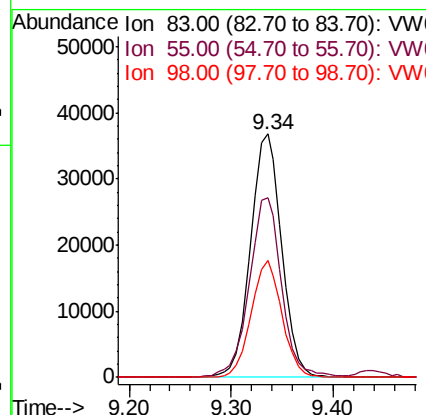
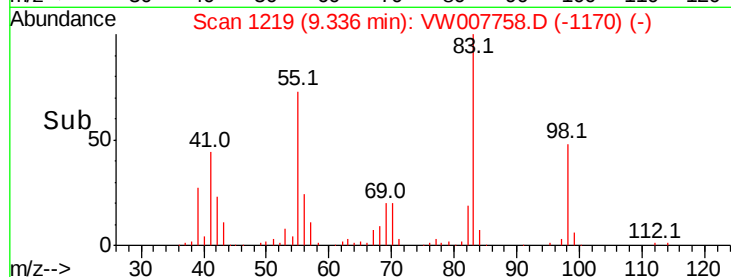
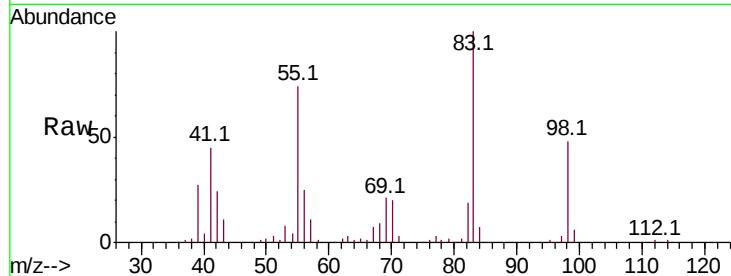




#39
Methylcyclohexane
Concen: 52.670 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

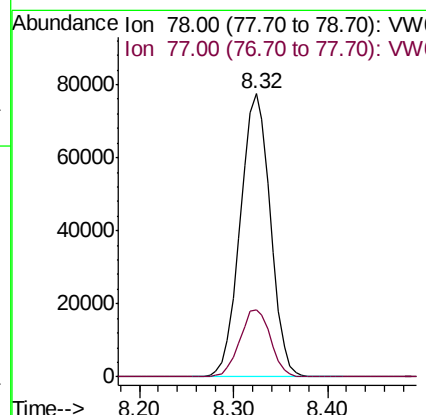
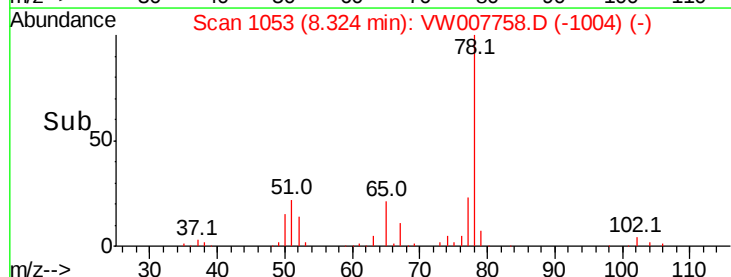
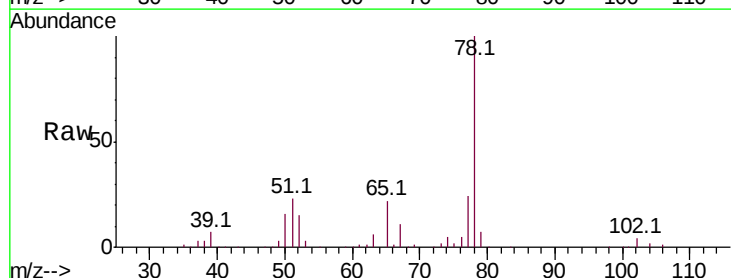
Instrument :
MSVOA_W
ClientSampled :

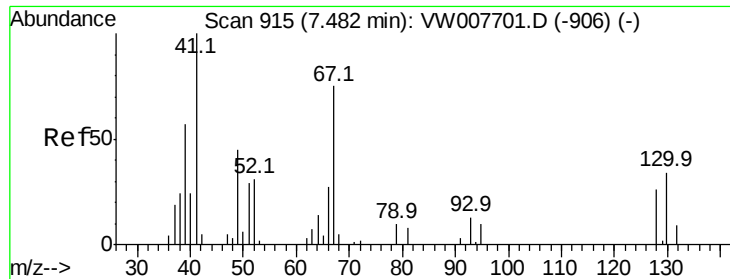
Tot Ion: 83 Resp: 78127
Ion Ratio Lower Upper
83 100
55 73.7 57.2 85.8
98 48.1 38.6 58.0



#40
Benzene
Concen: 54.201 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 78 Resp: 172653
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1

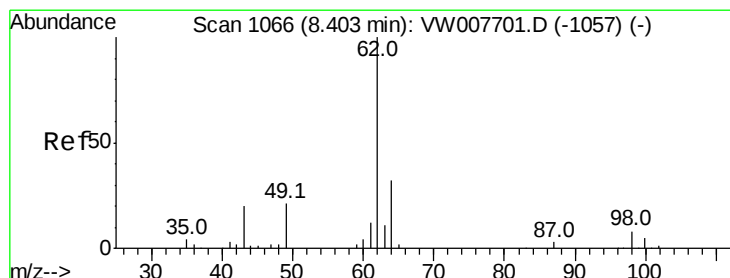
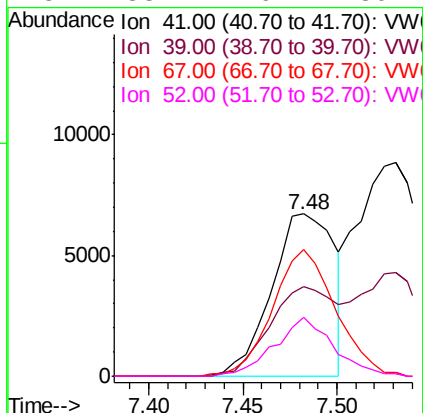
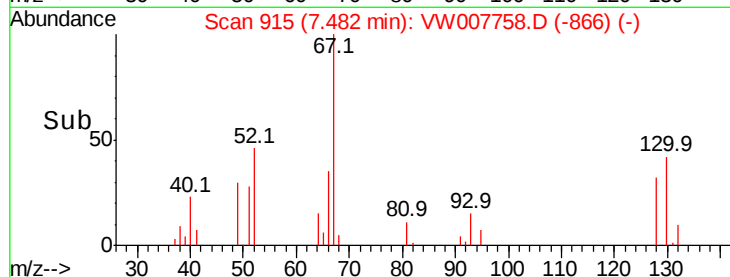
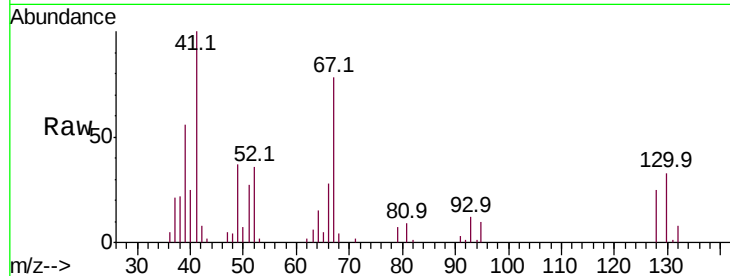




#41
Methacrylonitrile
Concen: 66.966 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

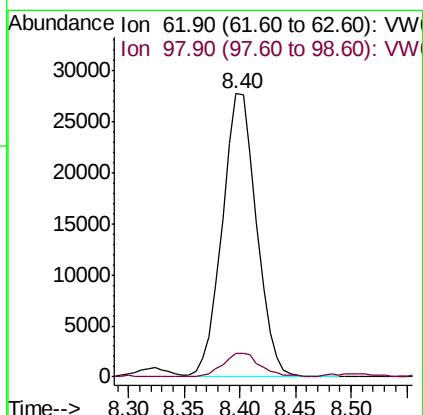
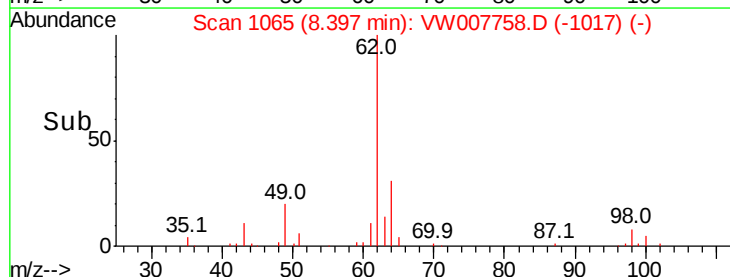
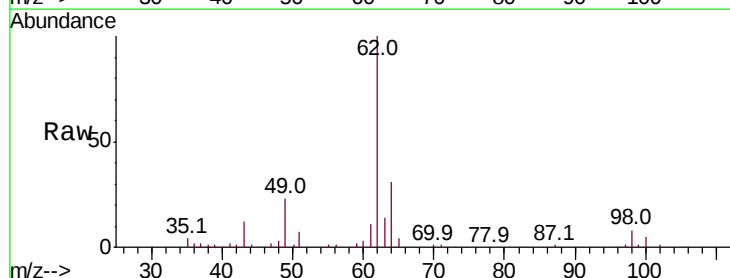
Instrument :
MSVOA_W
ClientSampleId :

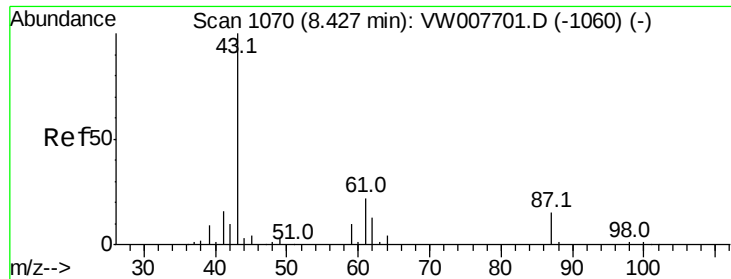
Tot Ion: 41 Resp: 15663
Ion Ratio Lower Upper
41 100
39 56.9 54.2 81.4
67 77.8 65.7 98.5
52 33.7 26.2 39.4



#42
1,2-Dichloroethane
Concen: 55.537 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 62 Resp: 59286
Ion Ratio Lower Upper
62 100
98 9.3 0.0 16.6





#43

Isopropyl Acetate

Concen: 67.172 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

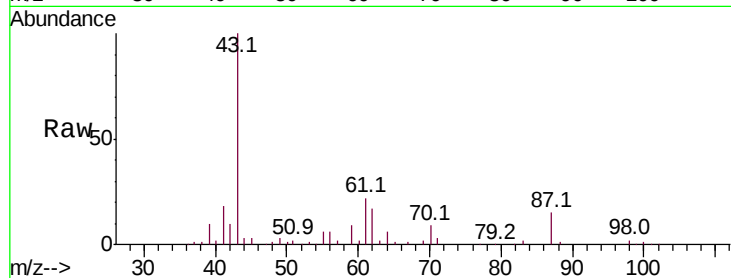
Tot Ion: 43 Resp: 55441

Ion Ratio Lower Upper

43 100

61 29.9 26.3 39.5

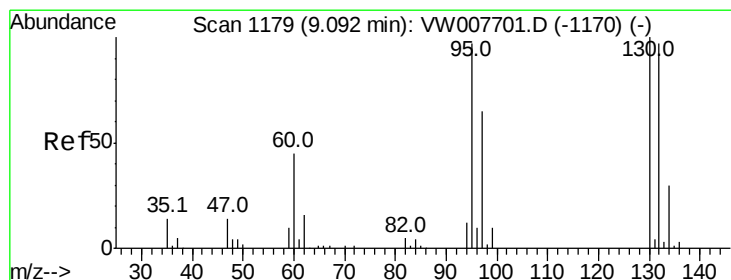
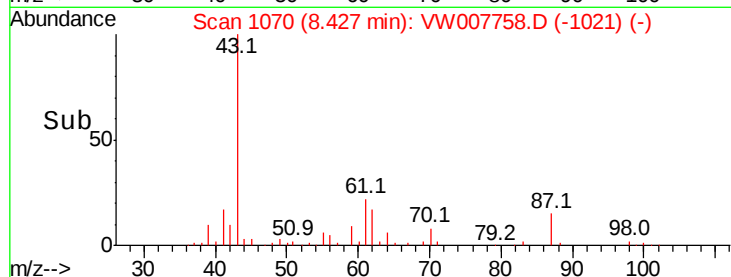
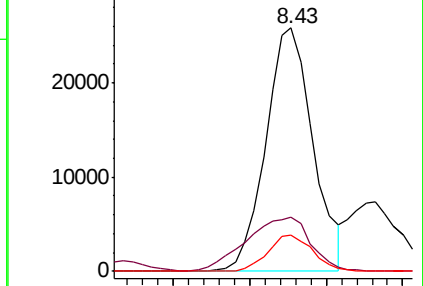
87 14.2 12.0 18.0



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: 50.658 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007758.D

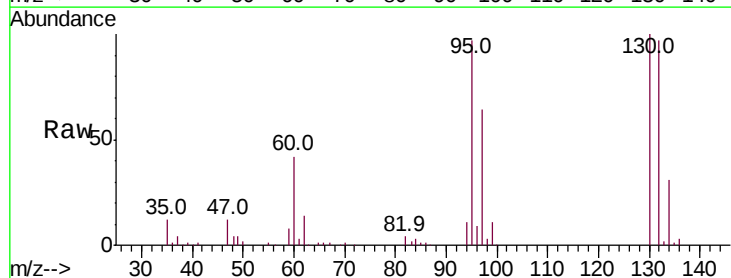
Acq: 20 Dec 2018 20:08

Tgt Ion:130 Resp: 48800

Ion Ratio Lower Upper

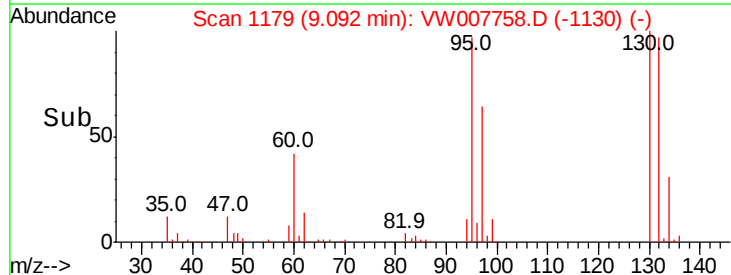
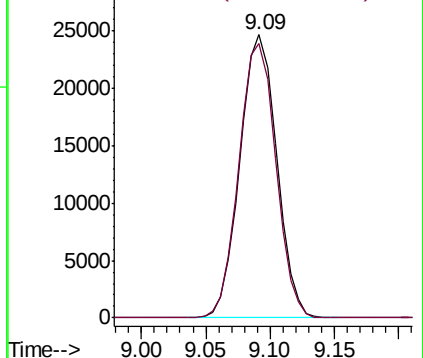
130 100

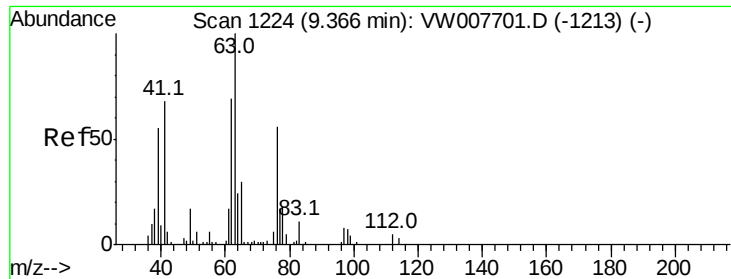
95 97.1 0.0 194.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

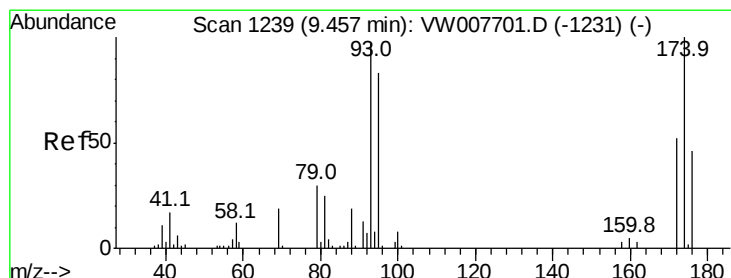
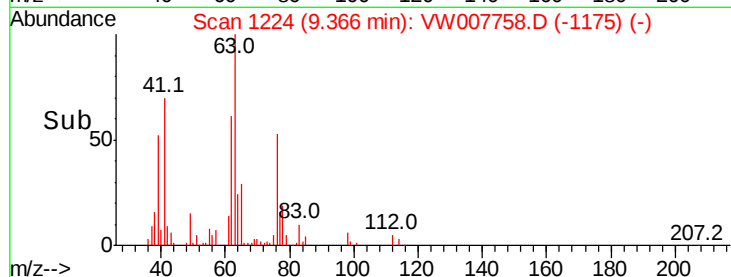
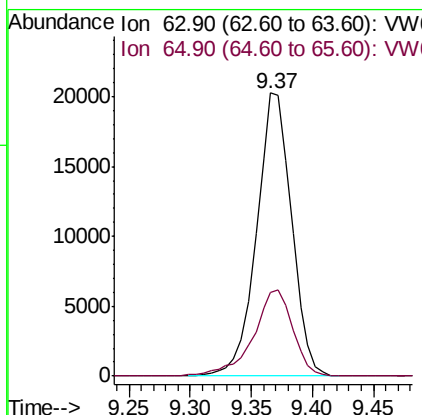
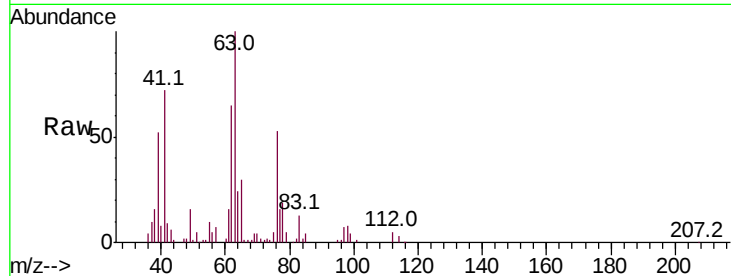




#45
 1,2-Dichloropropane
 Concen: 57.130 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

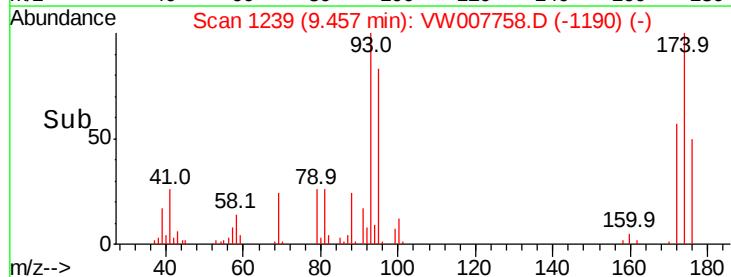
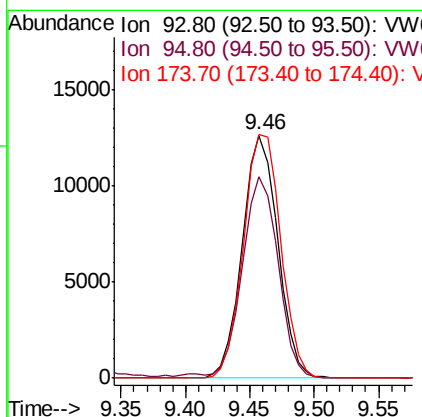
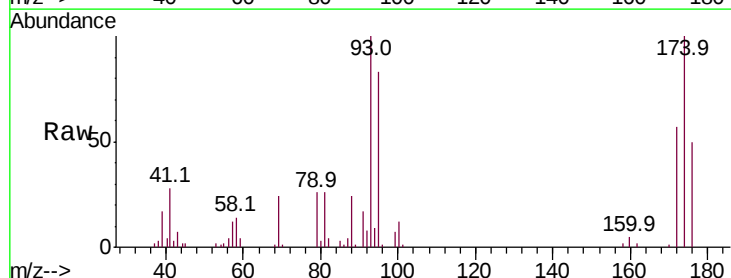
Instrument :
 MSVOA_W
 ClientSampled :

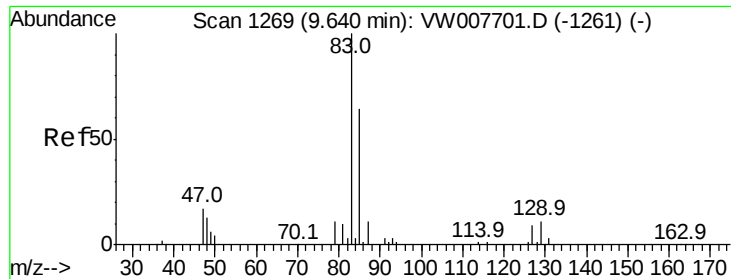
Tot Ion: 63 Resp: 40380
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.8



#46
 Dibromomethane
 Concen: 55.400 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 93 Resp: 24104
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.5 101.3
 174 105.6 83.9 125.9





#47

Bromodichloromethane

Concen: 53.538 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

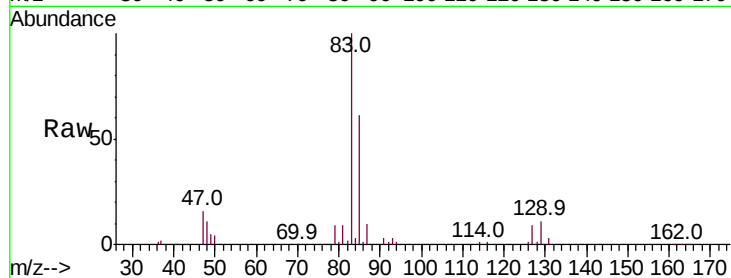
Tot Ion: 83 Resp: 61238

Ion Ratio Lower Upper

83 100

85 61.4 51.4 77.0

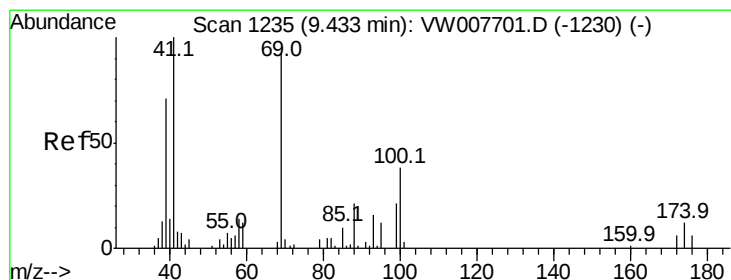
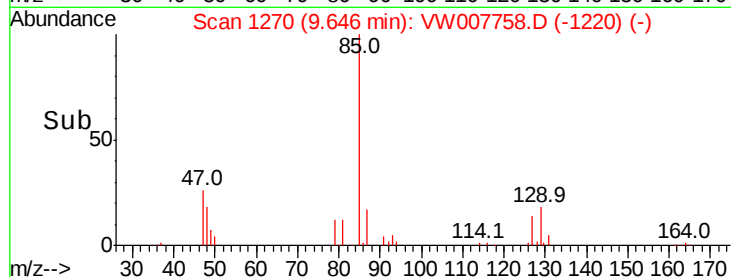
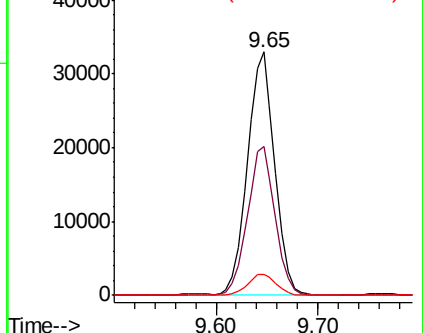
127 8.7 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 61.216 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

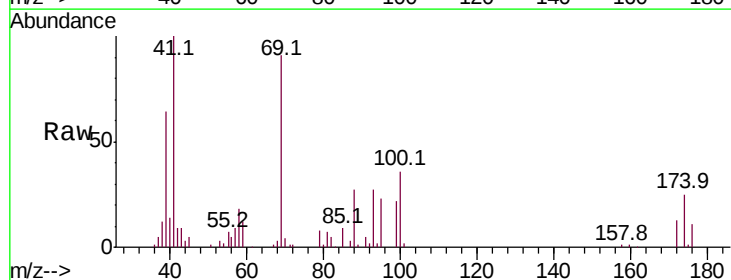
Tgt Ion: 41 Resp: 25220

Ion Ratio Lower Upper

41 100

69 94.9 74.2 111.2

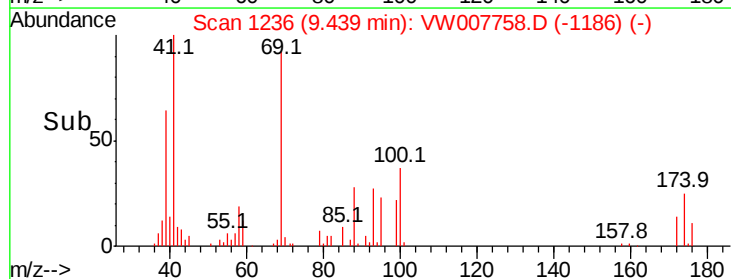
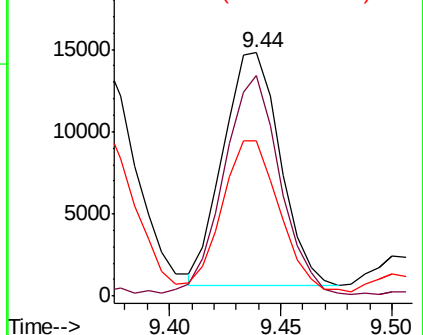
39 70.6 53.9 80.9

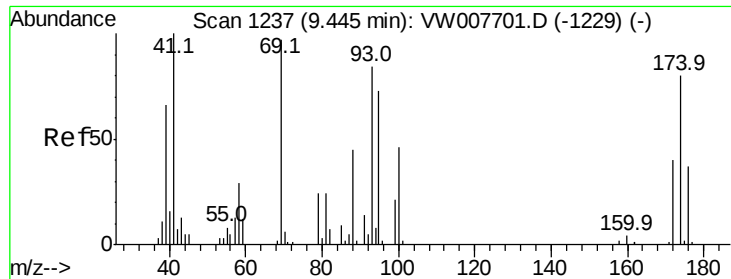


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1329.330 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampled :

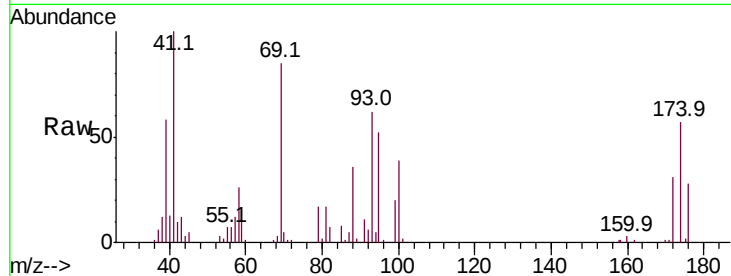
Tot Ion: 88 Resp: 9170

Ion Ratio Lower Upper

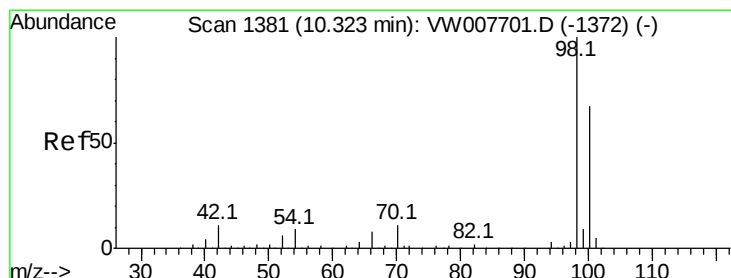
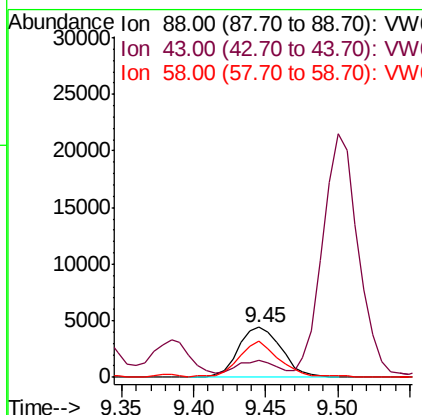
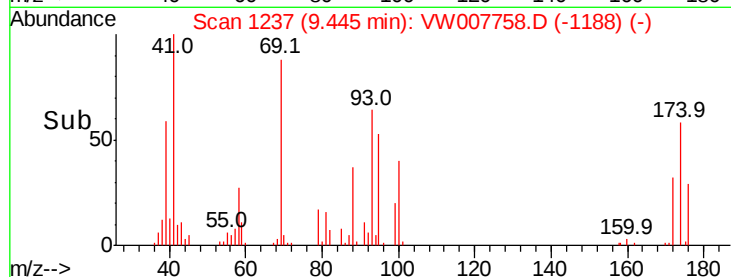
88 100

43 32.9 25.6 38.4

58 68.6 52.3 78.5



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: 87.624 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007758.D

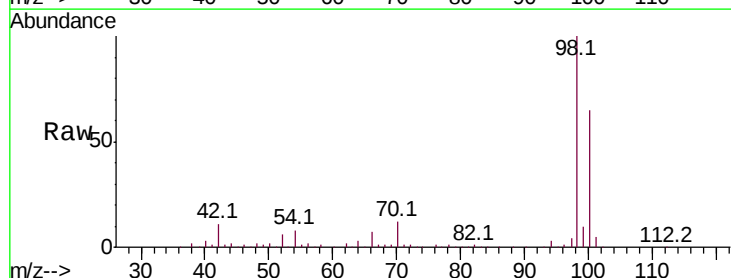
Acq: 20 Dec 2018 20:08

Tgt Ion: 98 Resp: 249234

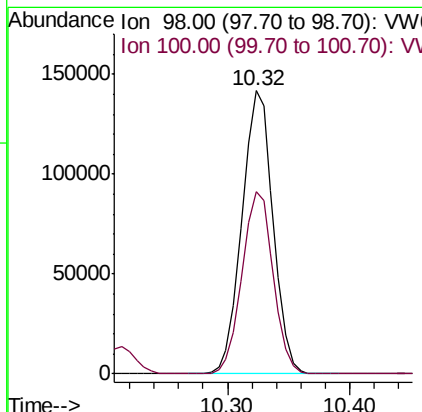
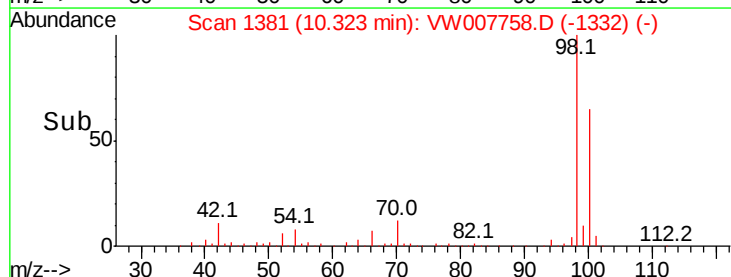
Ion Ratio Lower Upper

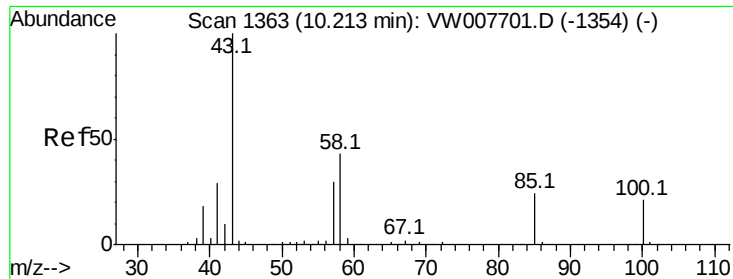
98 100

100 64.7 52.2 78.2



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: 321.562 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

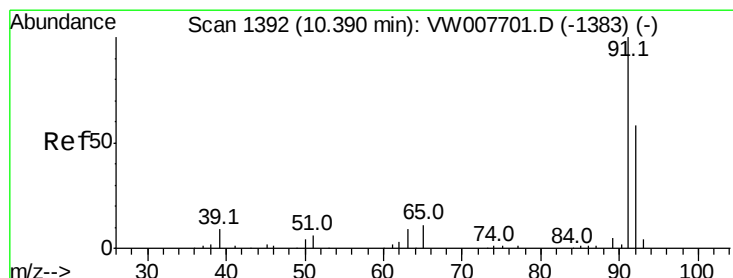
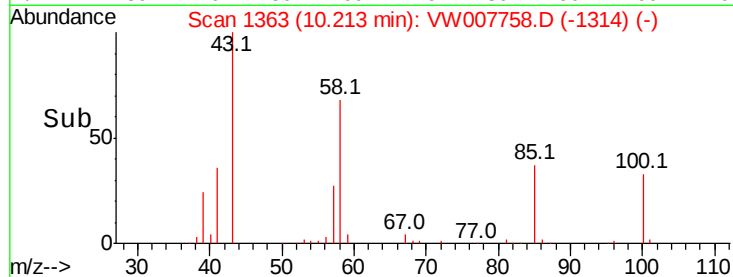
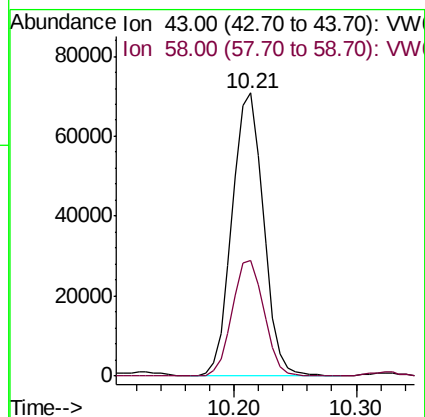
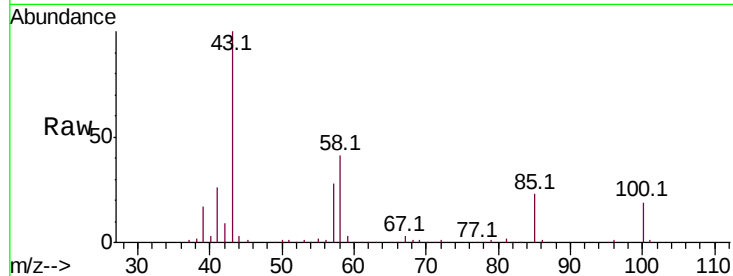
ClientSampled :

Tot Ion: 43 Resp: 125429

Ion Ratio Lower Upper

43 100

58 41.6 33.2 49.8



#52

Toluene

Concen: 56.664 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007758.D

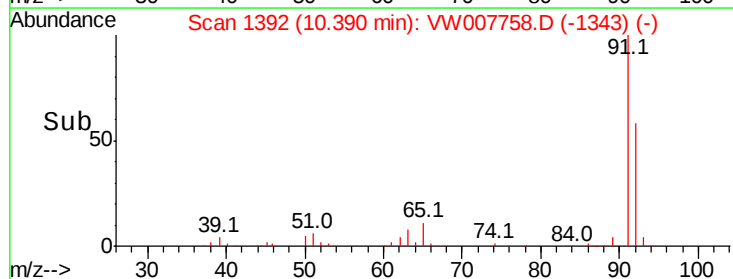
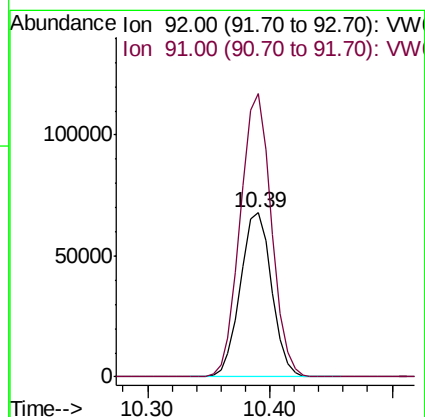
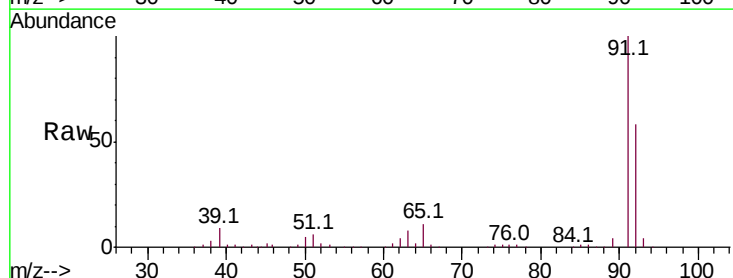
Acq: 20 Dec 2018 20:08

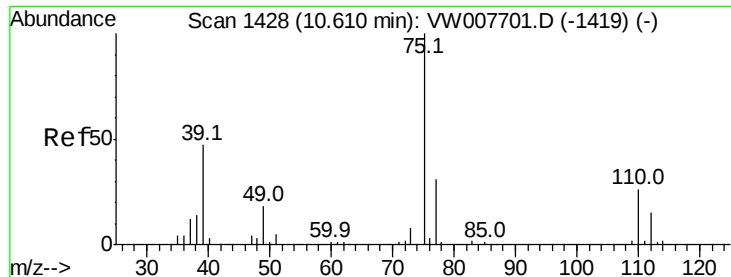
Tgt Ion: 92 Resp: 121102

Ion Ratio Lower Upper

92 100

91 171.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 56.064 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

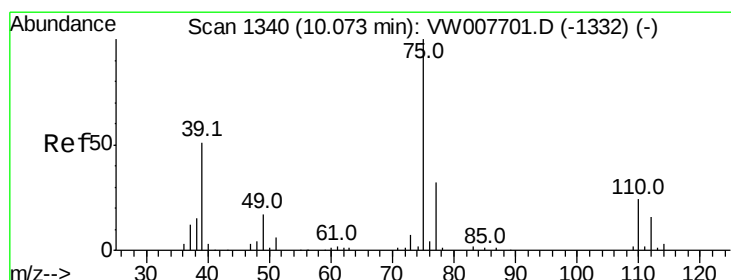
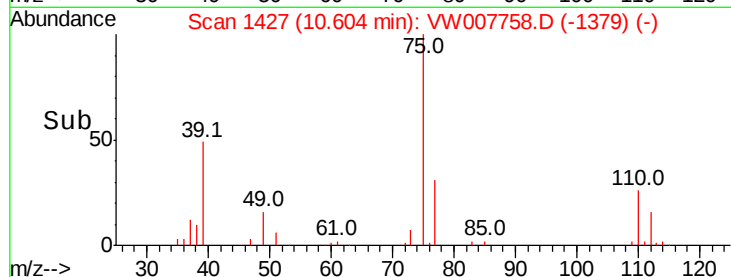
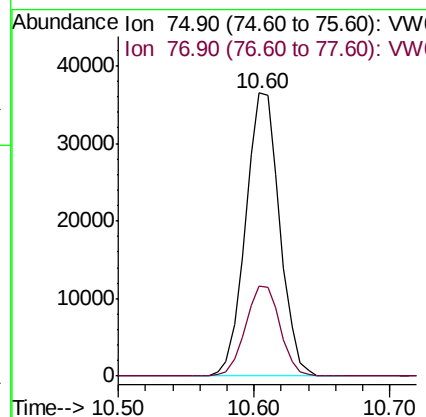
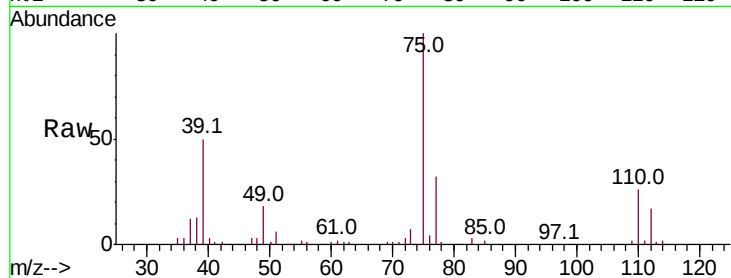
ClientSampleId :

Tot Ion: 75 Resp: 63786

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 54.957 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

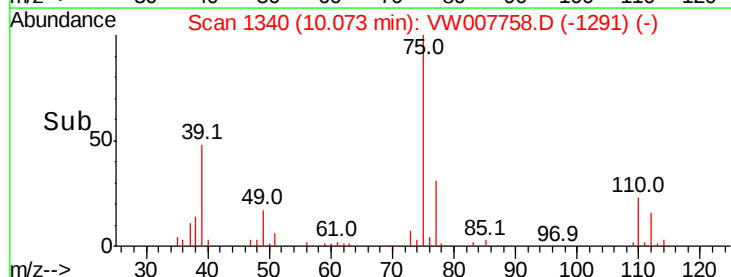
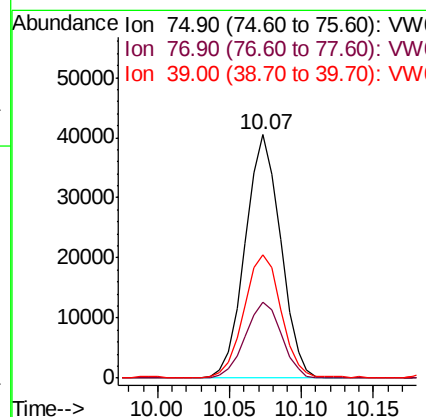
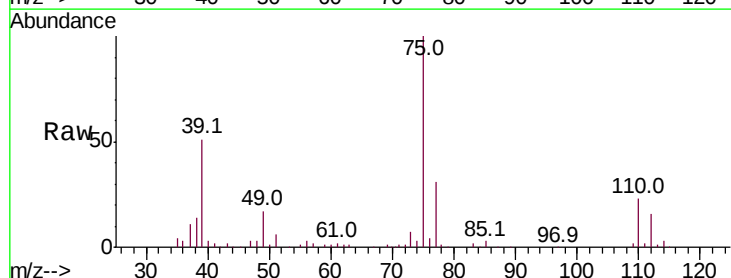
Tgt Ion: 75 Resp: 69065

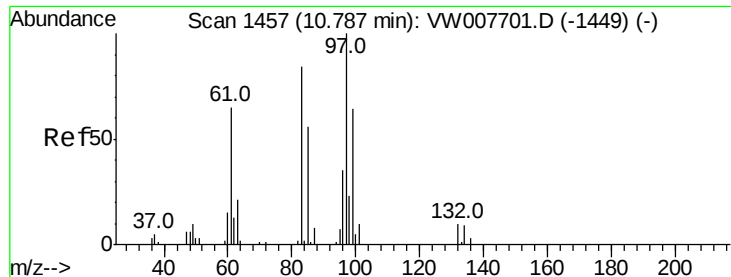
Ion Ratio Lower Upper

75 100

77 31.4 25.5 38.3

39 50.4 41.2 61.8



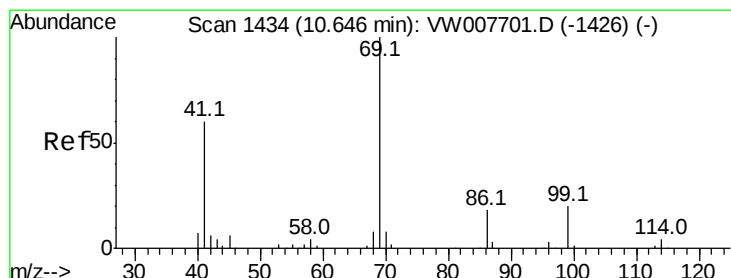
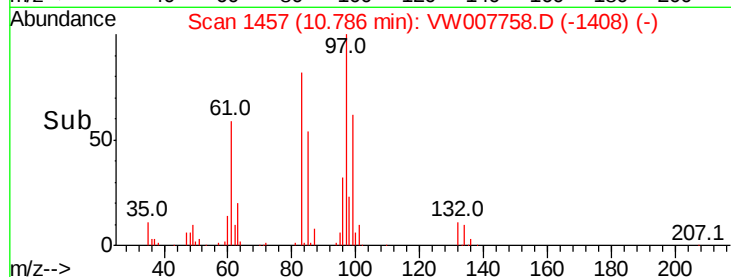
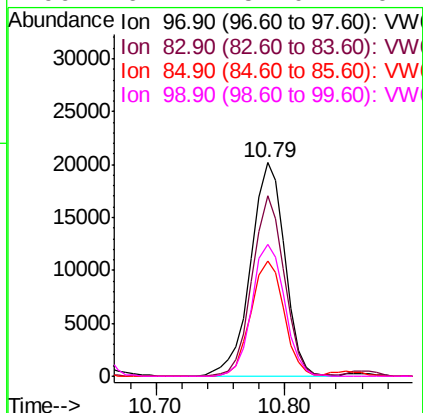
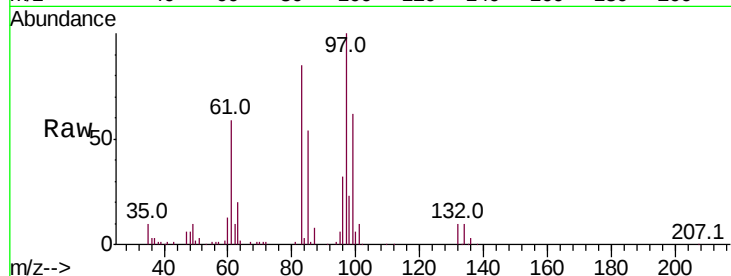


#55
 1,1,2-Trichloroethane
 Concen: 61.704 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 97 Resp: 37011

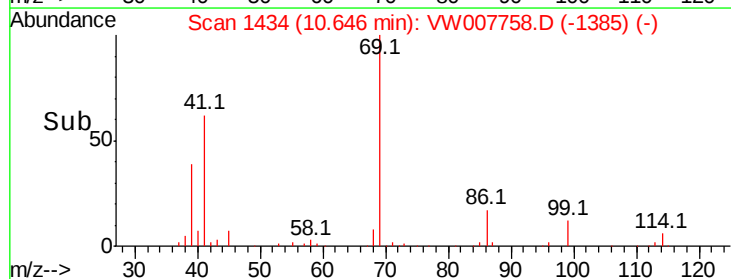
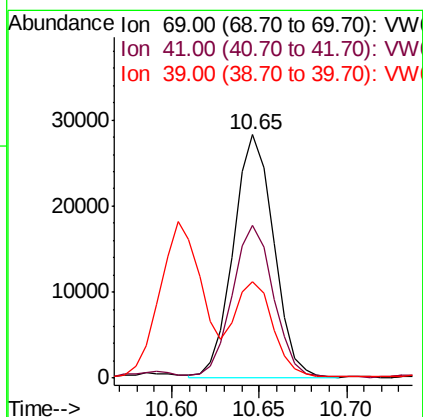
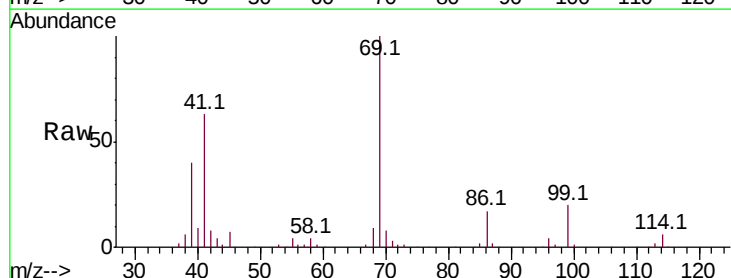
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.5	101.3
85	54.1	44.8	67.2
99	61.7	51.0	76.4

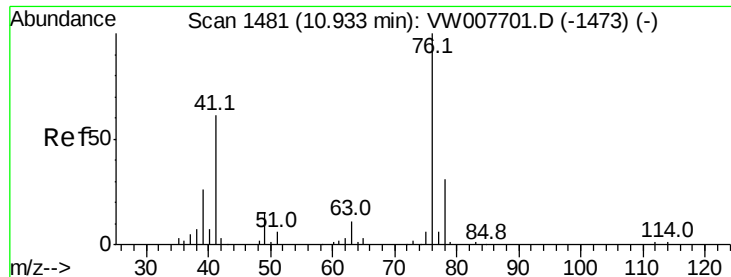


#56
 Ethyl methacrylate
 Concen: 63.774 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 69 Resp: 45196

Ion	Ratio	Lower	Upper
69	100		
41	64.3	48.9	73.3
39	37.4	31.3	46.9





#57

1,3-Dichloropropane

Concen: 58.156 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

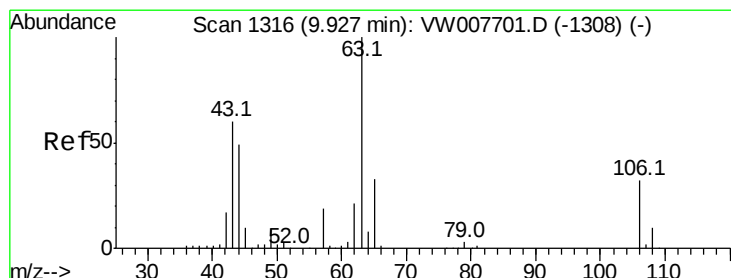
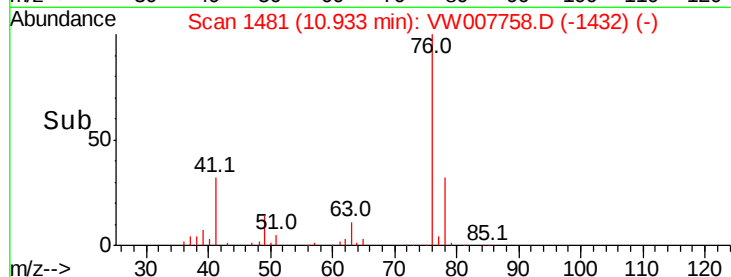
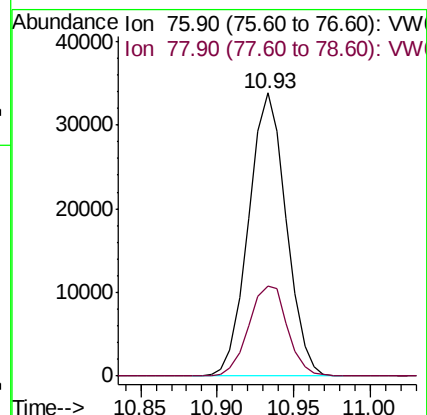
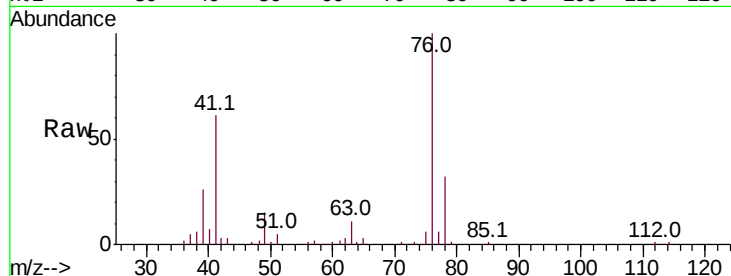
ClientSampleId :

Tot Ion: 76 Resp: 57925

Ion Ratio Lower Upper

76 100

78 32.7 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 301.629 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007758.D

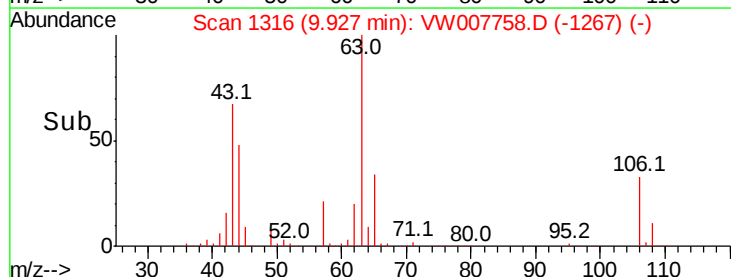
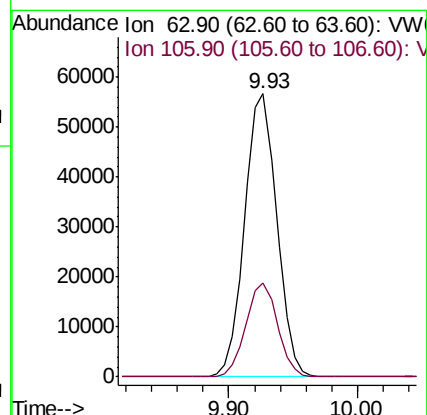
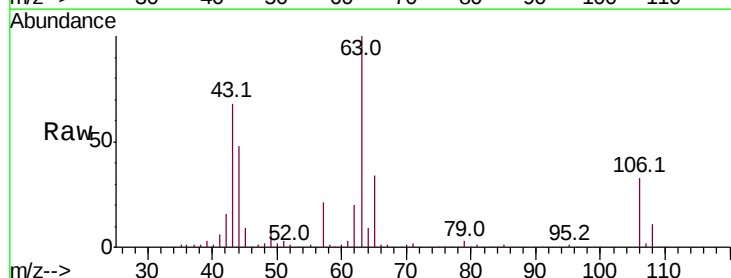
Acq: 20 Dec 2018 20:08

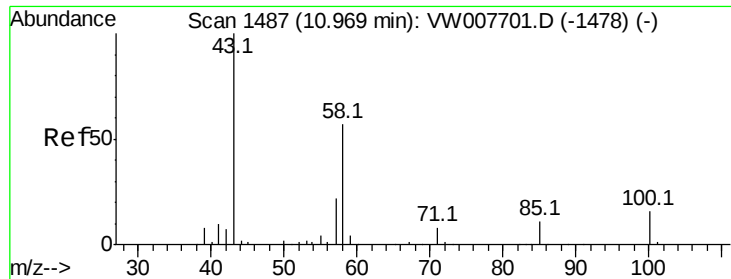
Tgt Ion: 63 Resp: 97597

Ion Ratio Lower Upper

63 100

106 32.5 25.9 38.9





#59

2-Hexanone

Concen: 329.343 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

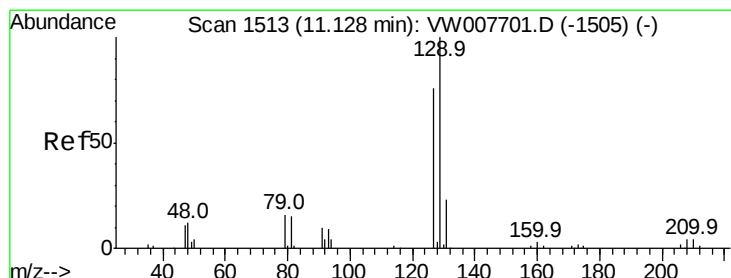
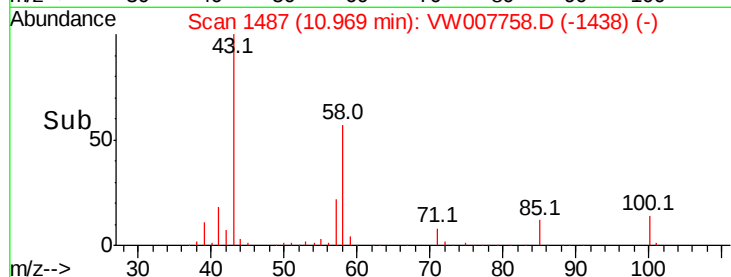
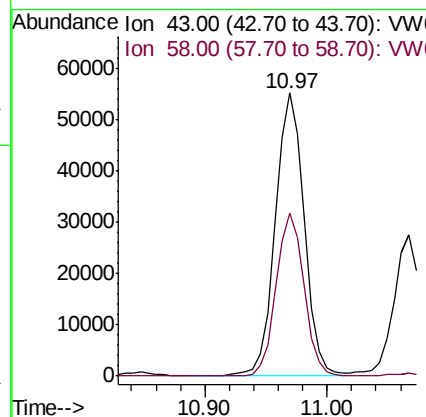
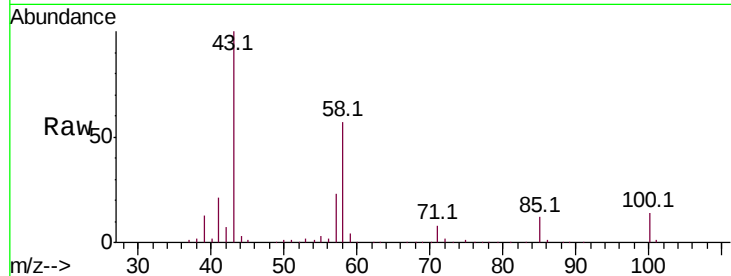
ClientSampled :

Tot Ion: 43 Resp: 90345

Ion Ratio Lower Upper

43 100

58 55.7 27.7 83.1



#60

Dibromochloromethane

Concen: 50.501 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007758.D

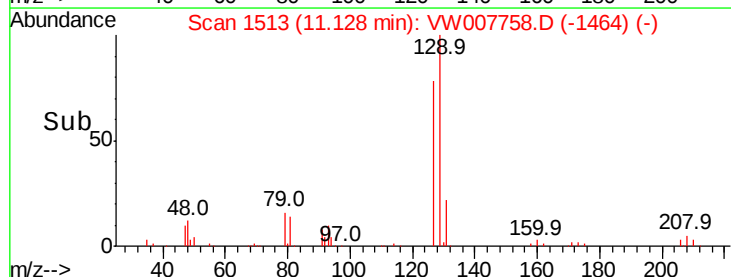
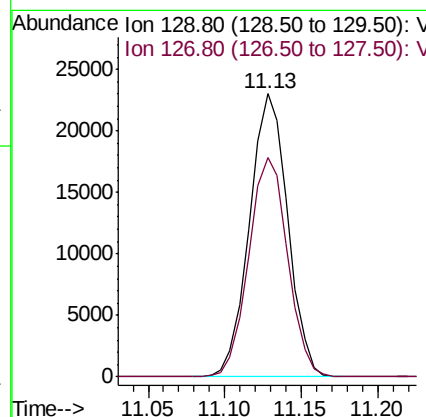
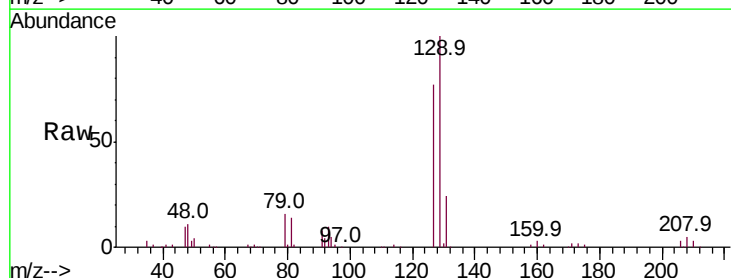
Acq: 20 Dec 2018 20:08

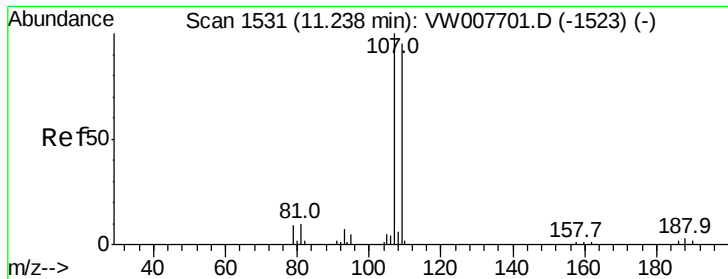
Tgt Ion:129 Resp: 40108

Ion Ratio Lower Upper

129 100

127 78.5 38.3 114.9

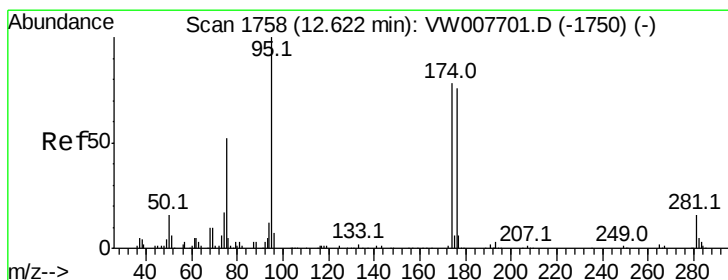
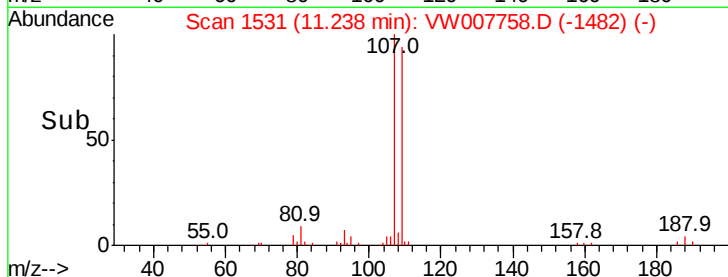
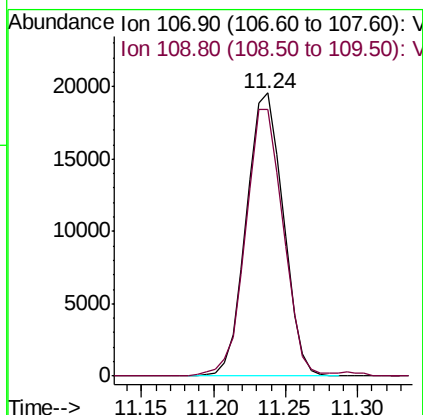
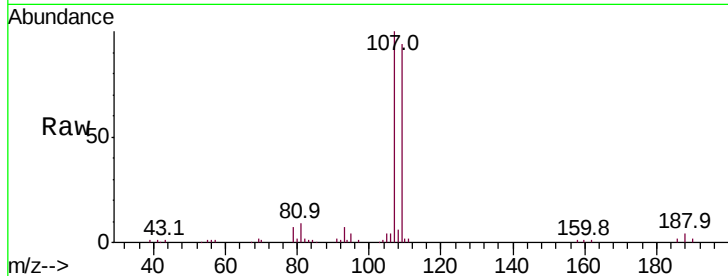




#61
 1,2-Dibromoethane
 Concen: 56.983 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

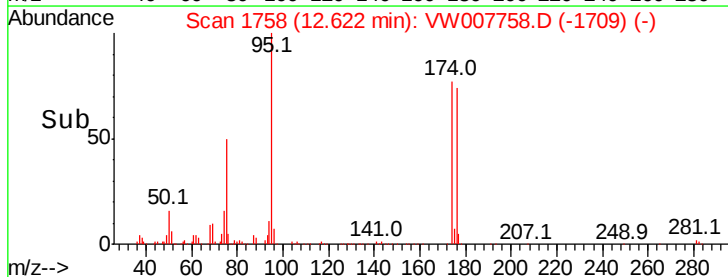
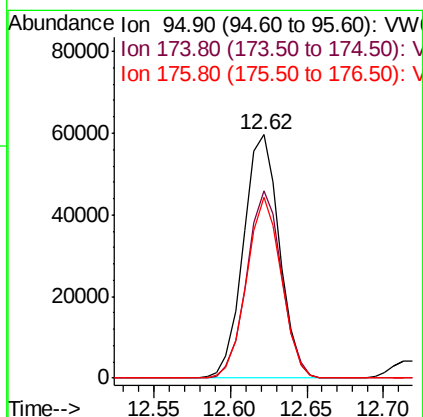
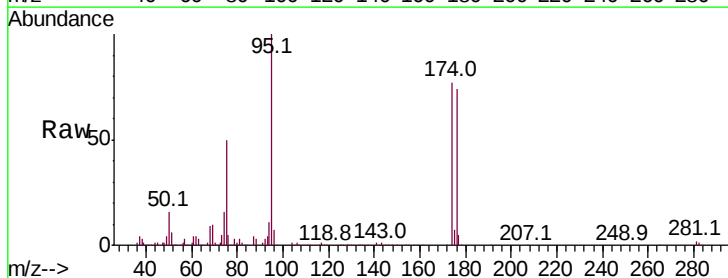
Instrument :
 MSVOA_W
 ClientSampleId :

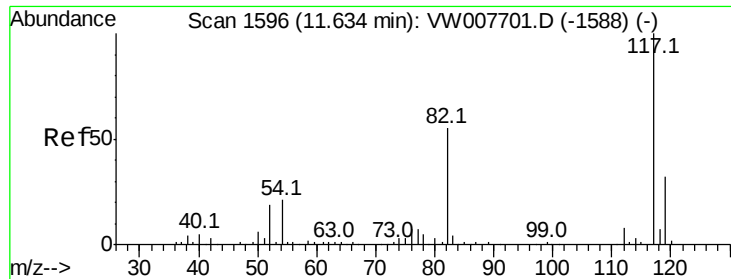
Tot Ion:107 Resp: 34612
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 88.501 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion: 95 Resp: 97248
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 152.2
 176 72.0 0.0 146.8

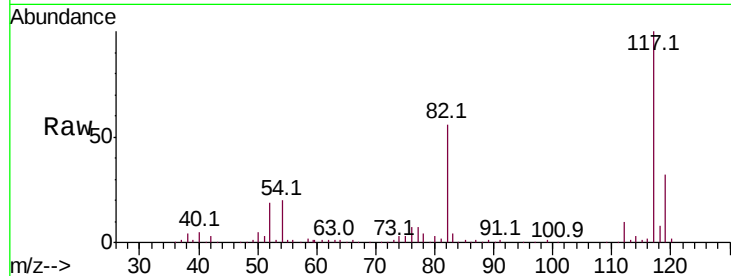




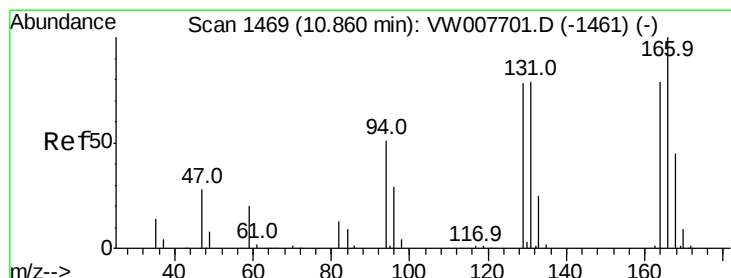
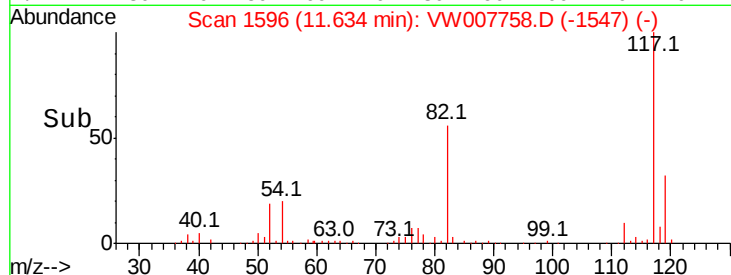
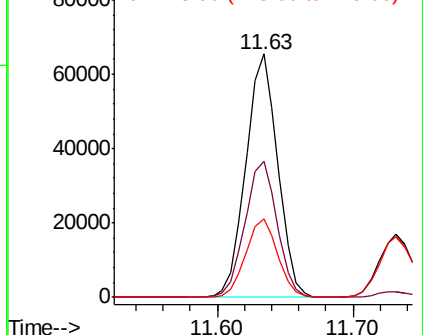
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 107603
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 32.4 25.7 38.5

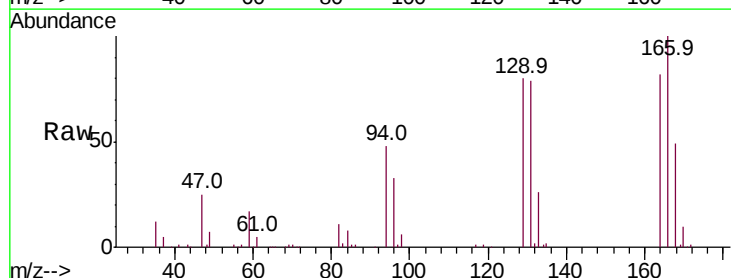


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

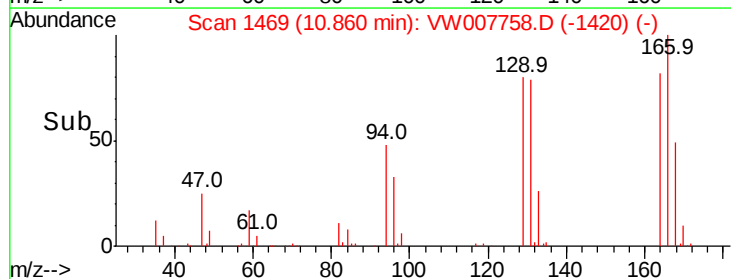
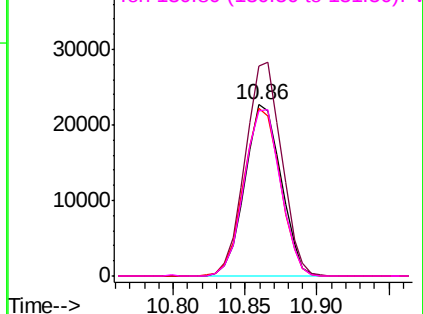


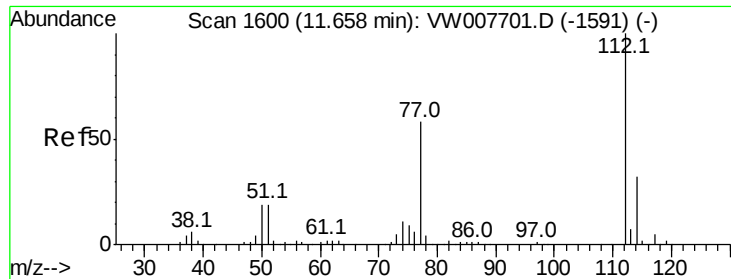
#64
Tetrachloroethene
Concen: 51.641 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:164 Resp: 39349
Ion Ratio Lower Upper
164 100
166 122.7 101.0 151.6
129 97.9 78.7 118.1
131 96.8 79.4 119.0



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

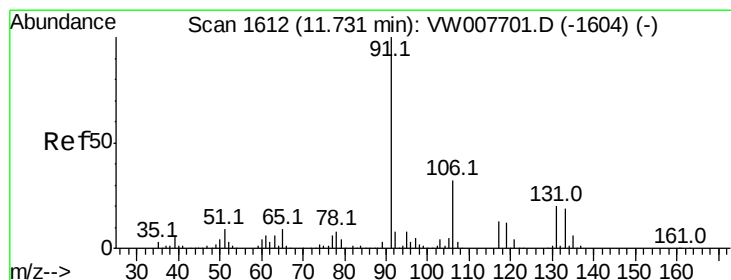
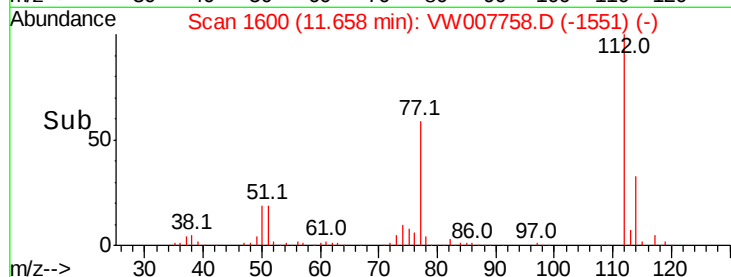
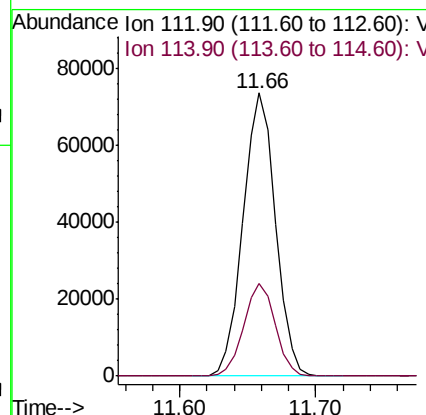
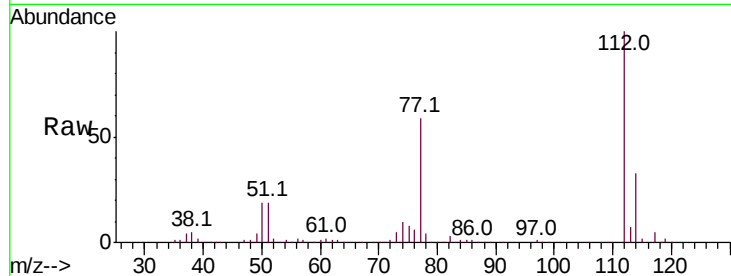




#65
Chlorobenzene
Concen: 52.507 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

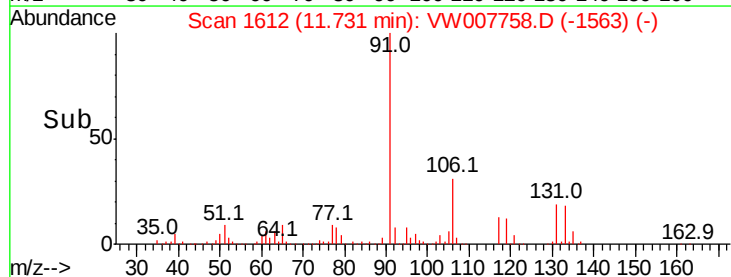
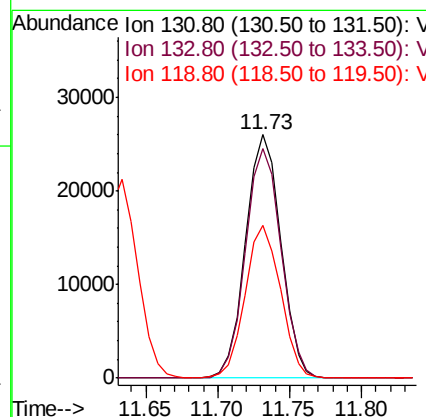
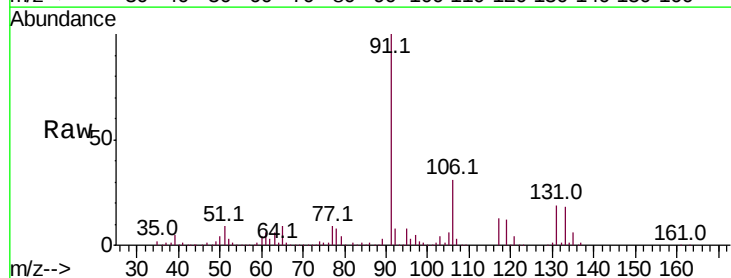
Instrument :
MSVOA_W
ClientSampleId :

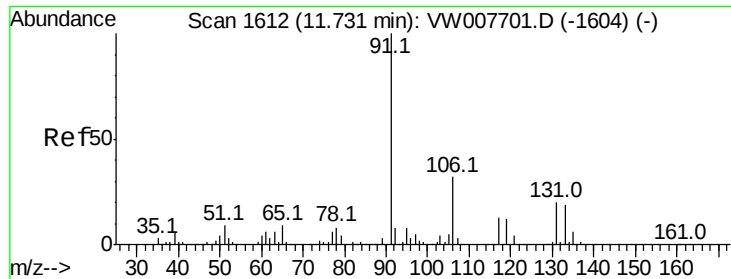
Tot Ion:112 Resp: 122288
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.028 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:131 Resp: 44129
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.5
119 62.7 30.2 90.6

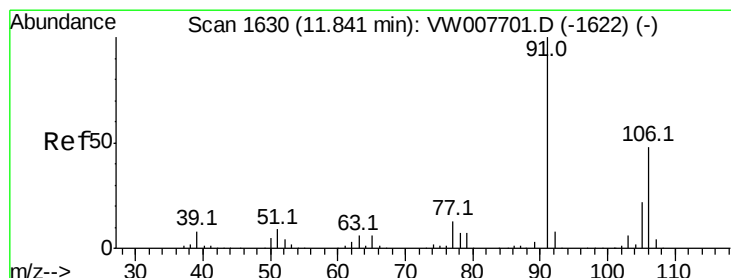
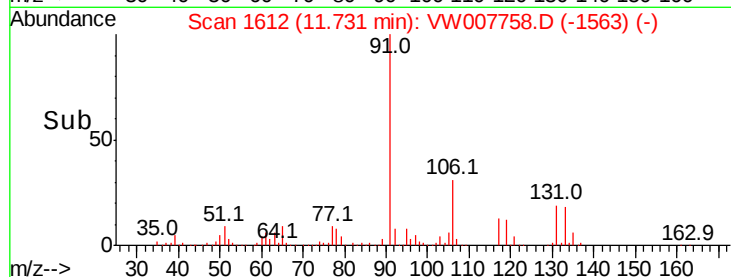
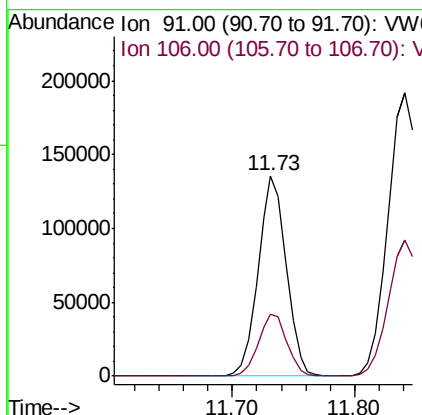
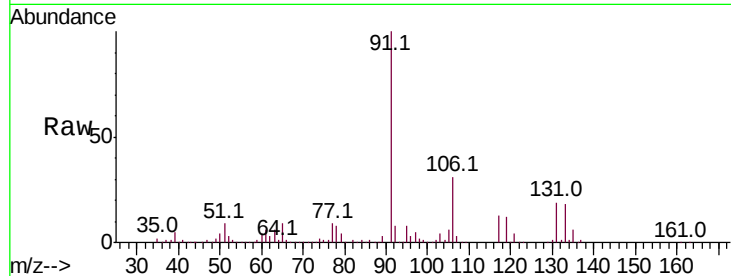




#67
Ethyl Benzene
Concen: 53.992 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

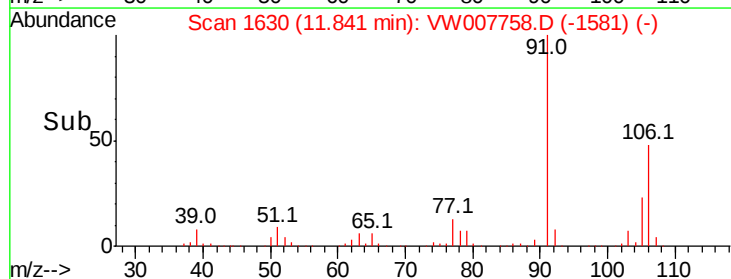
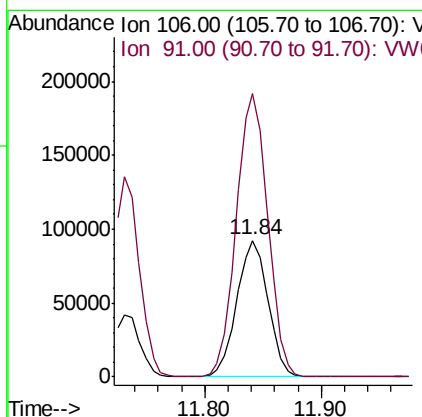
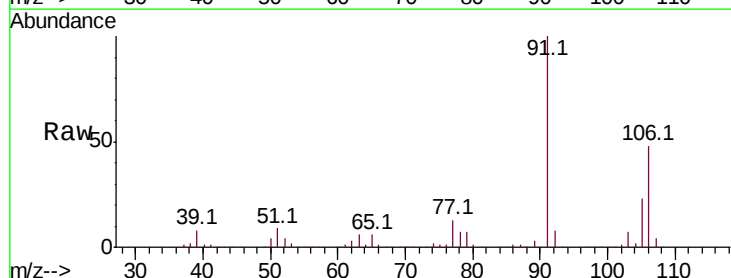
Instrument :
MSVOA_W
ClientSampled :

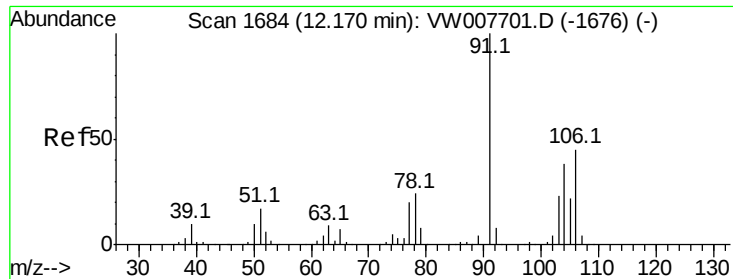
Tot Ion: 91 Resp: 215782
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8



#68
m/p-Xylenes
Concen: 111.007 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:106 Resp: 172095
Ion Ratio Lower Upper
106 100
91 209.6 165.2 247.8

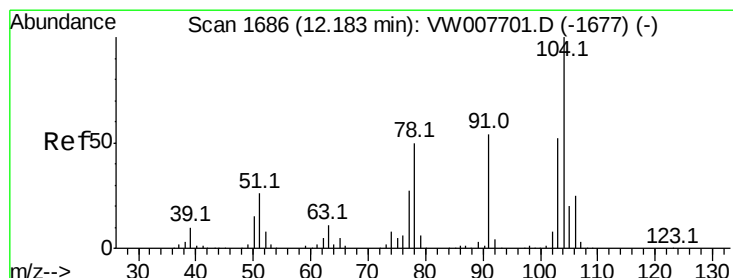
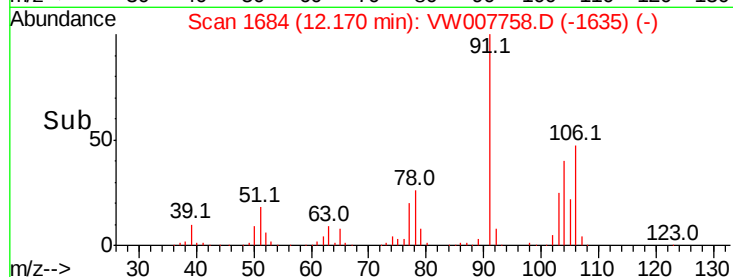
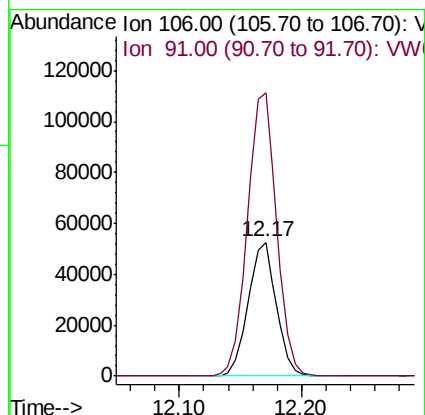
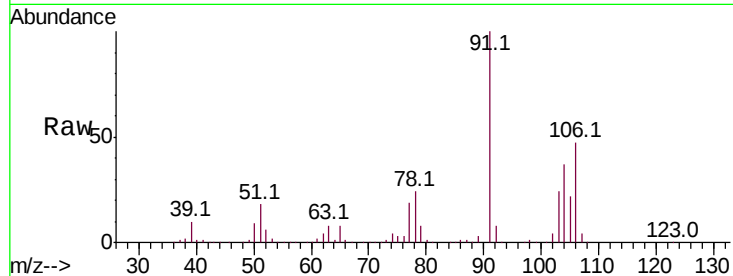




#69
o-Xylene
Concen: 57.728 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

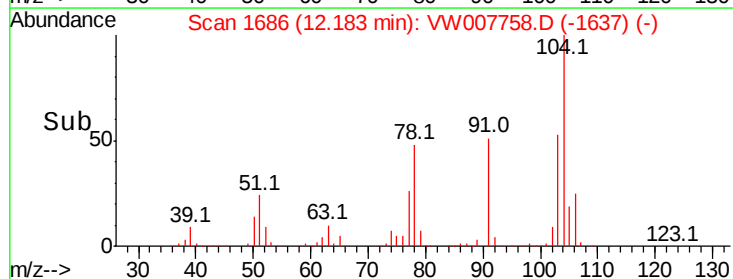
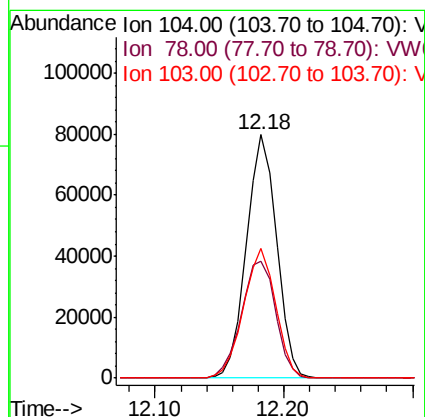
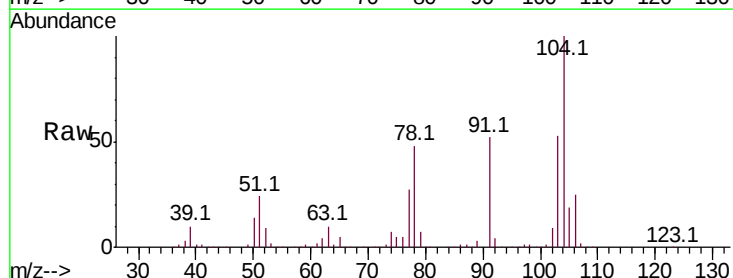
Instrument :
MSVOA_W
ClientSampled :

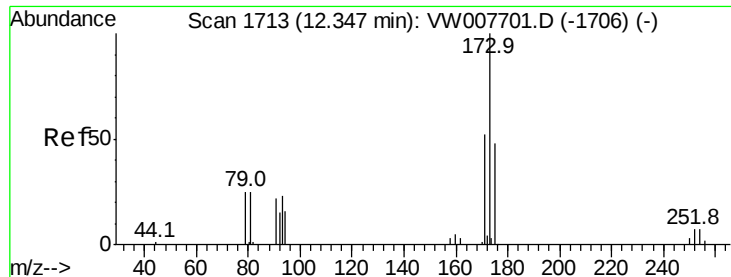
Tot Ion:106 Resp: 83891
Ion Ratio Lower Upper
106 100
91 218.7 110.5 331.4



#70
Styrene
Concen: 53.889 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:104 Resp: 128730
Ion Ratio Lower Upper
104 100
78 55.2 43.4 65.0
103 56.7 44.5 66.7

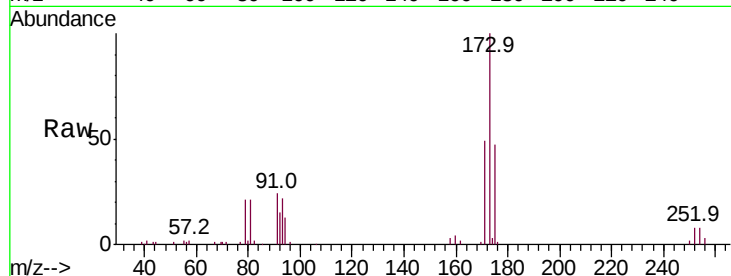




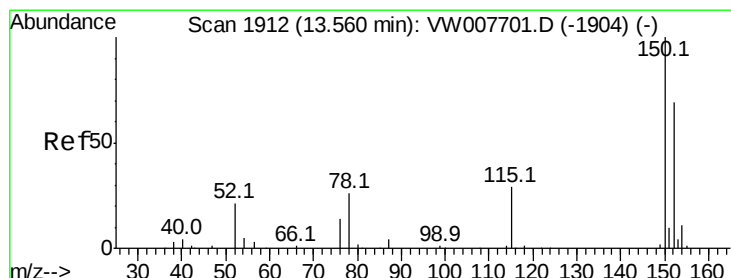
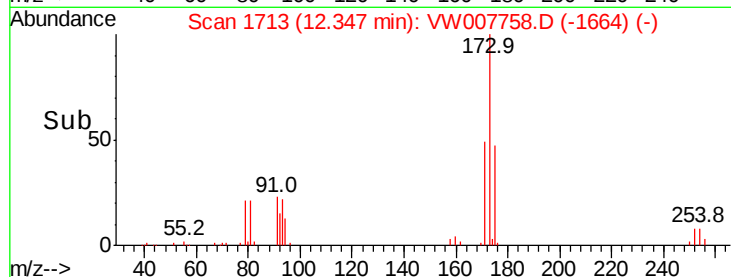
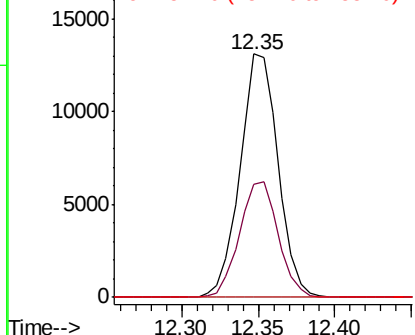
#71
Bromoform
Concen: 52.178 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 22541
Ion Ratio Lower Upper
173 100
175 48.3 23.9 71.7
254 0.0 0.0 0.0

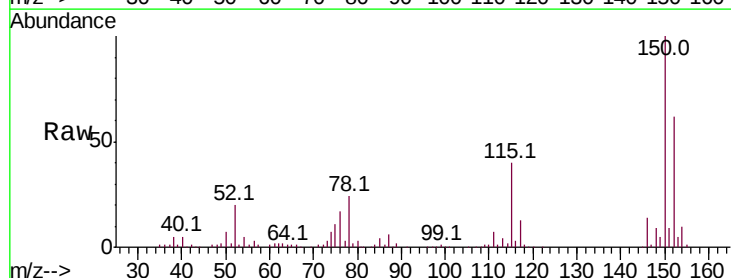


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

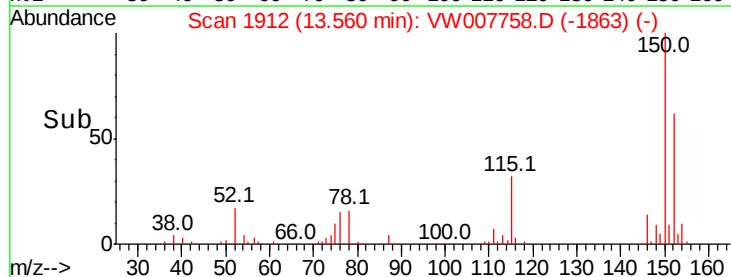
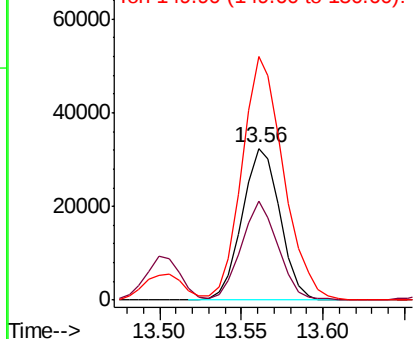


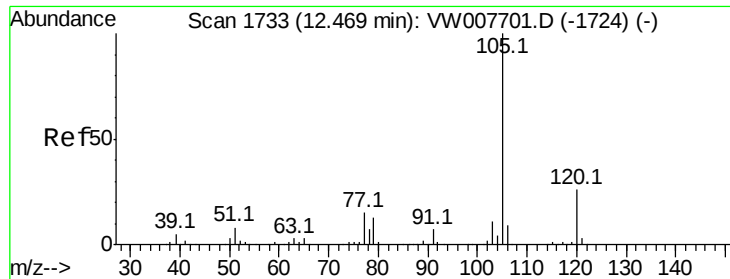
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:152 Resp: 52125
Ion Ratio Lower Upper
152 100
115 63.6 31.8 95.4
150 176.1 0.0 350.8



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: 59.490 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

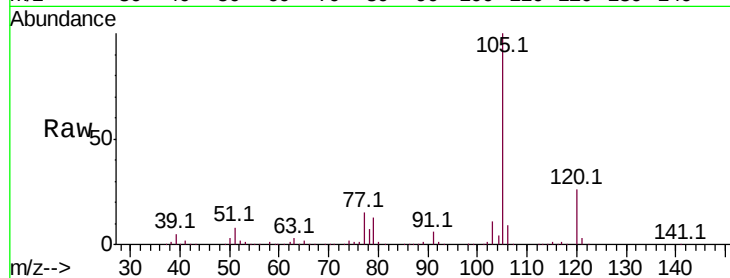
ClientSampleId :

Tot Ion:105 Resp: 234395

Ion Ratio Lower Upper

105 100

120 25.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

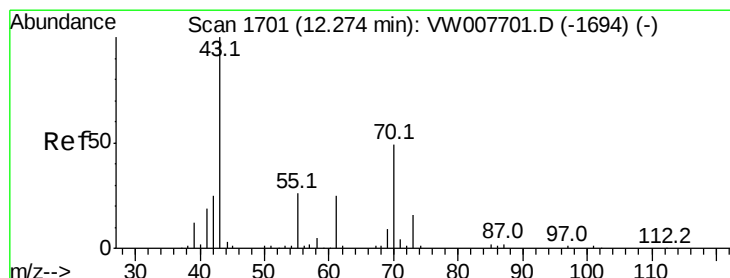
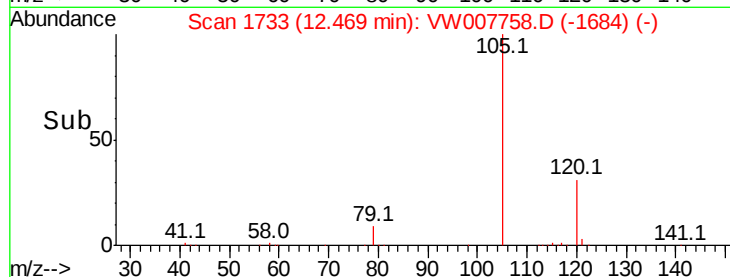
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 71.172 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Tgt Ion: 43 Resp: 48573

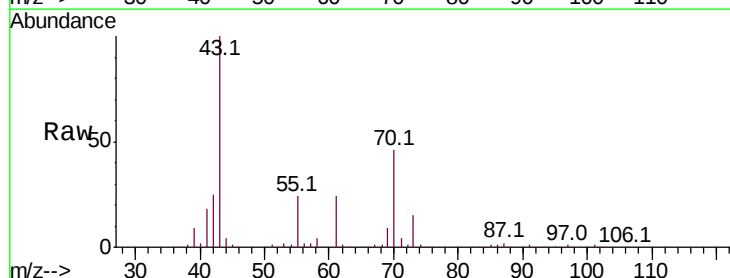
Ion Ratio Lower Upper

43 100

70 45.2 37.6 56.4

55 24.0 21.7 32.5

61 24.9 20.1 30.1



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

50000

40000

30000

20000

10000

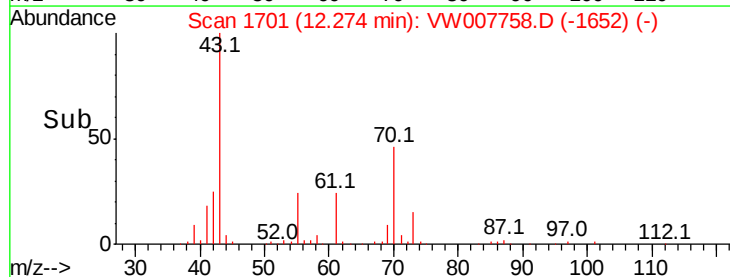
0

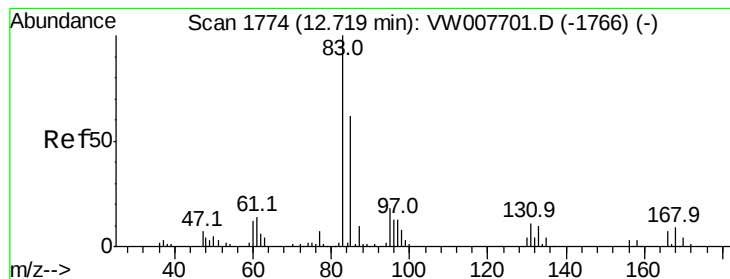
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 65.012 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

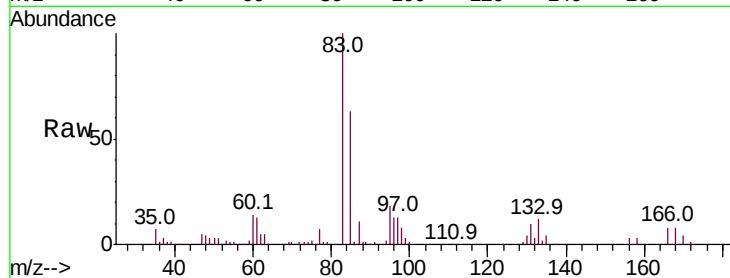
Tot Ion: 83 Resp: 38406

Ion Ratio Lower Upper

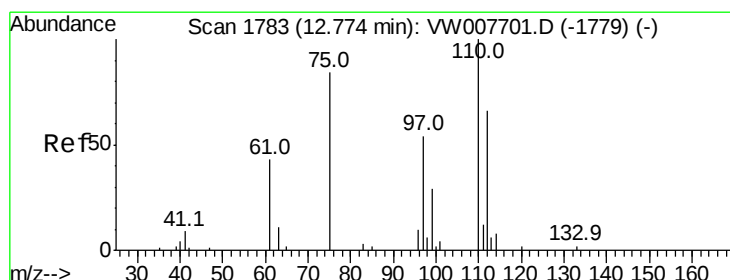
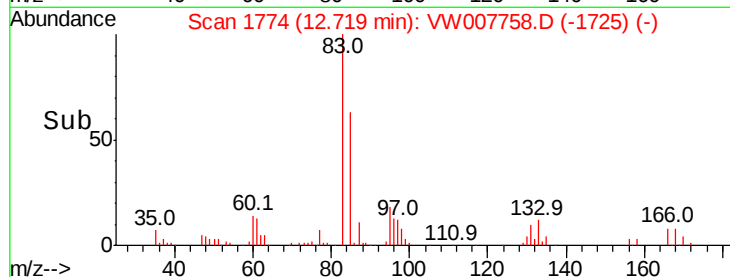
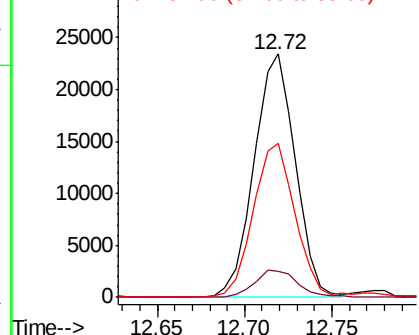
83 100

131 12.1 6.3 18.8

85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 129.193 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007758.D

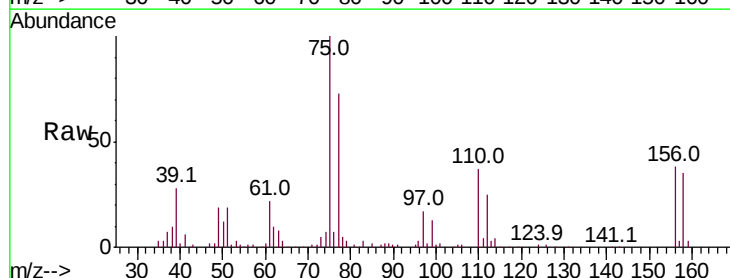
Acq: 20 Dec 2018 20:08

Tgt Ion: 75 Resp: 52049

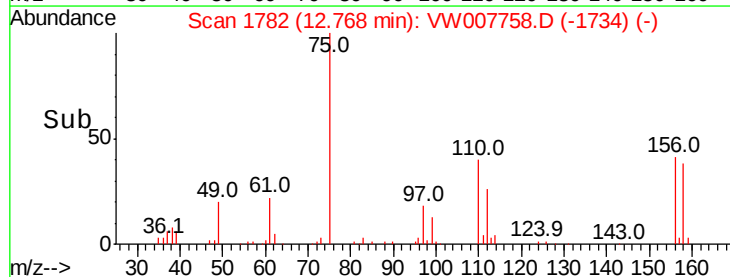
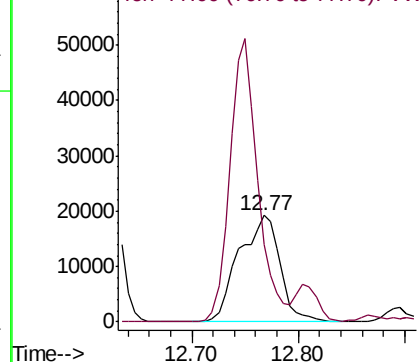
Ion Ratio Lower Upper

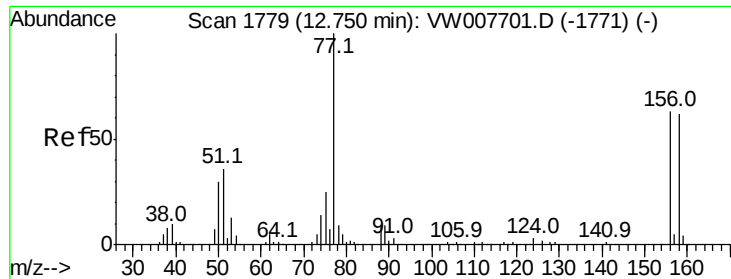
75 100

77 180.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.799 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

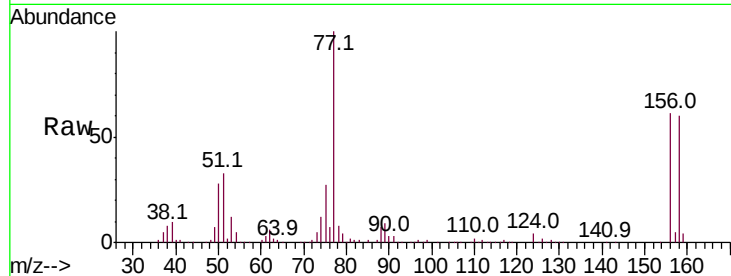
Tot Ion:156 Resp: 50385

Ion Ratio Lower Upper

156 100

77 186.4 87.4 262.1

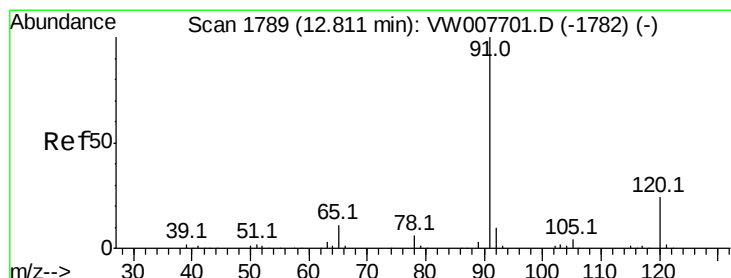
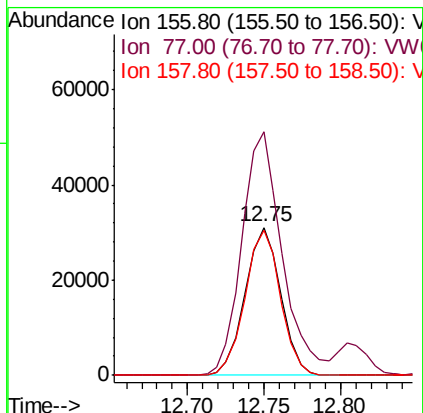
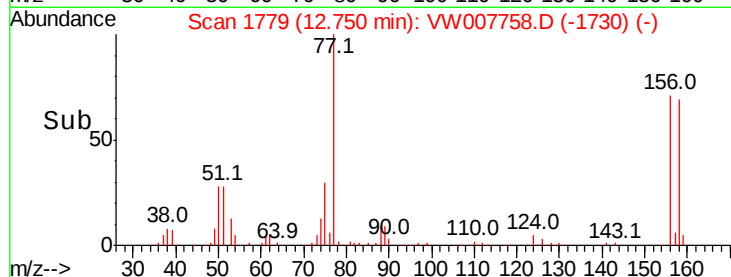
158 97.0 48.4 145.0



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: 54.550 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007758.D

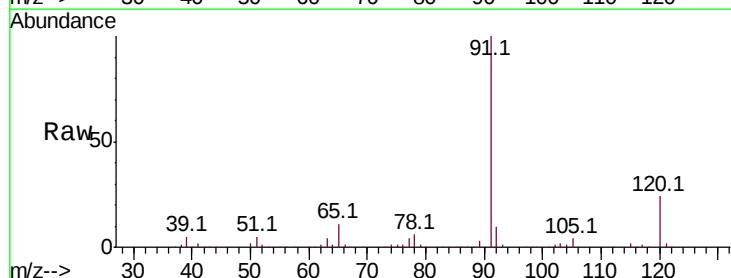
Acq: 20 Dec 2018 20:08

Tgt Ion: 91 Resp: 250191

Ion Ratio Lower Upper

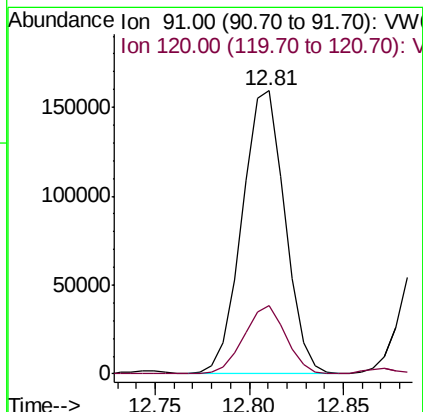
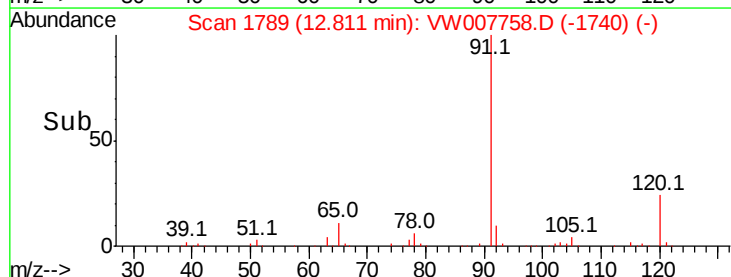
91 100

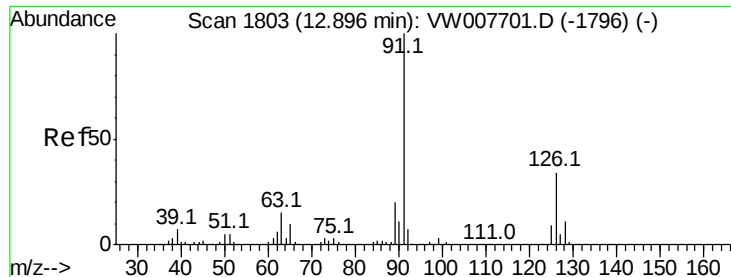
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.504 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

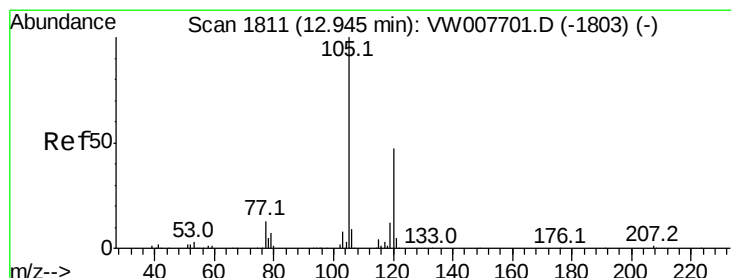
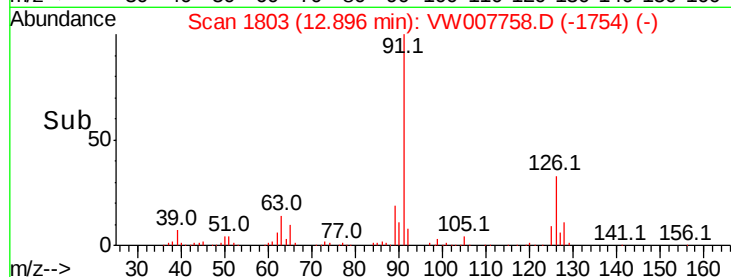
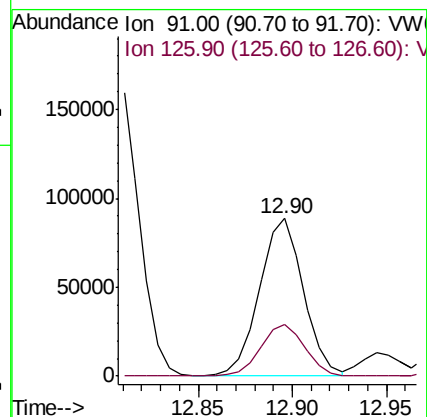
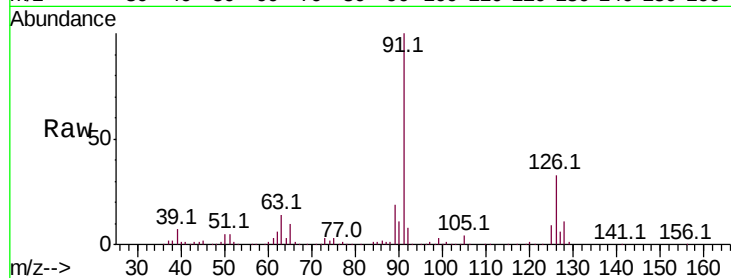
ClientSampleId :

Tot Ion: 91 Resp: 142955

Ion Ratio Lower Upper

91 100

126 33.0 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 52.716 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007758.D

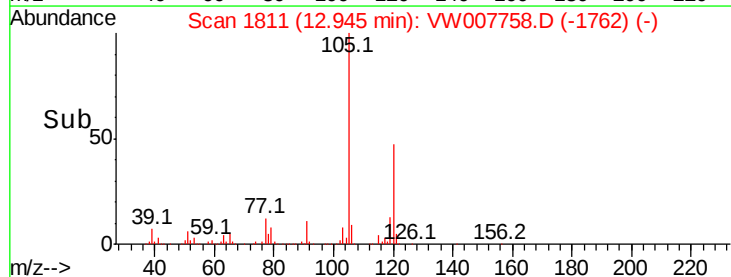
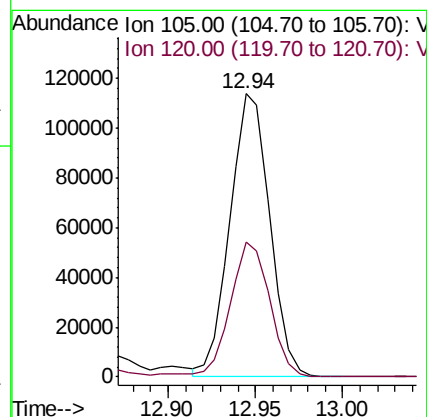
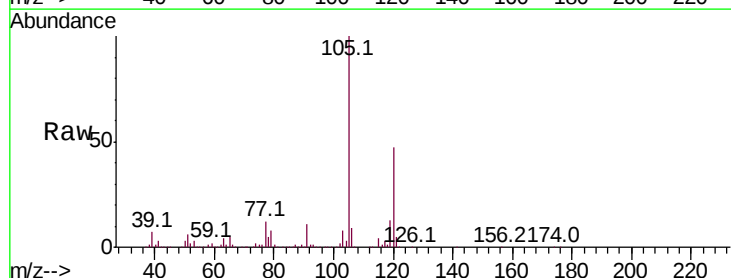
Acq: 20 Dec 2018 20:08

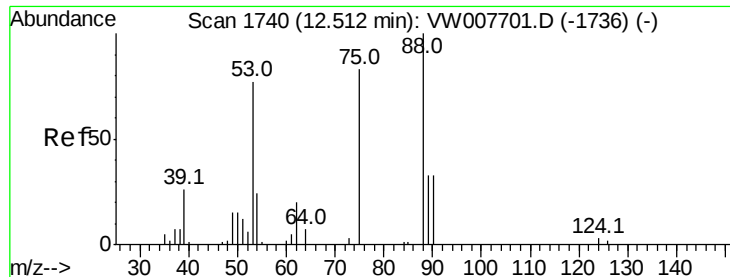
Tgt Ion:105 Resp: 179160

Ion Ratio Lower Upper

105 100

120 47.2 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 59.464 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

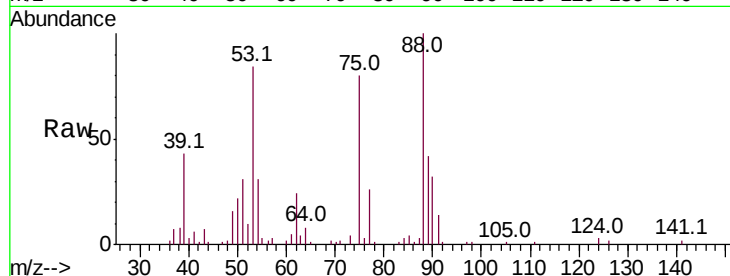
Tot Ion: 75 Resp: 11413

Ion Ratio Lower Upper

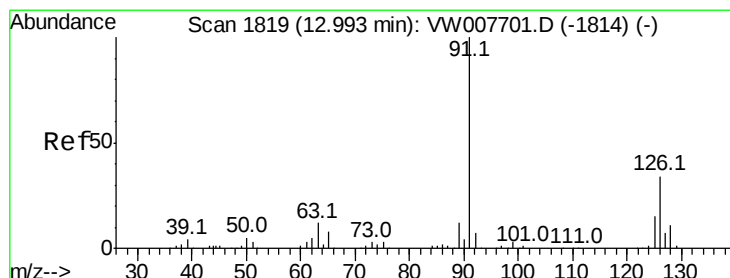
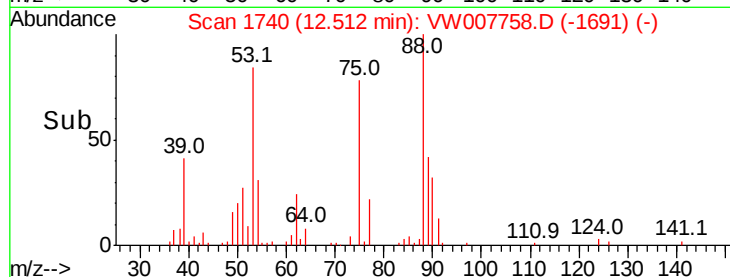
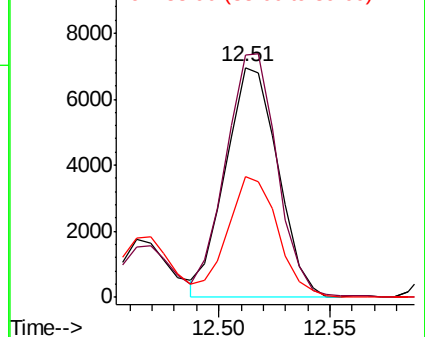
75 100

53 104.8 80.2 120.2

89 50.7 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 52.066 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007758.D

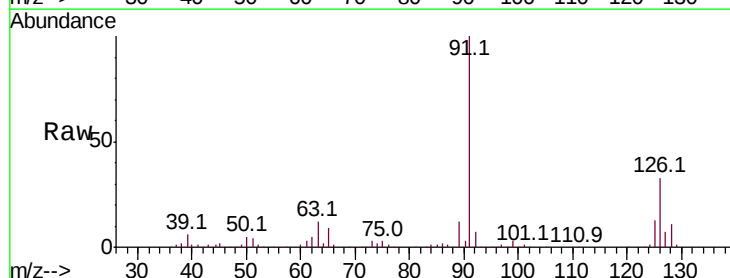
Acq: 20 Dec 2018 20:08

Tgt Ion: 91 Resp: 148121

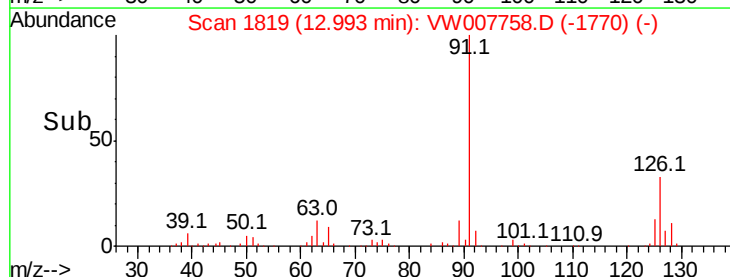
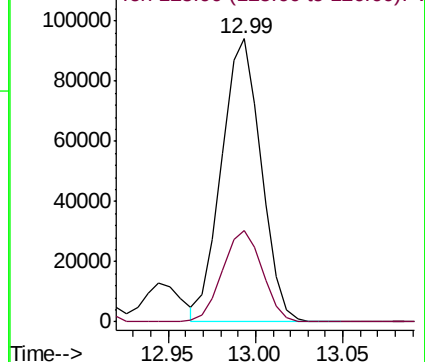
Ion Ratio Lower Upper

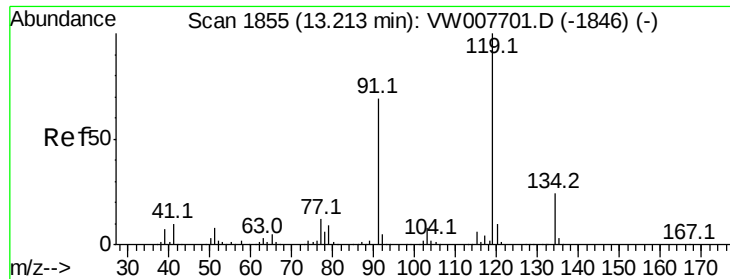
91 100

126 32.6 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

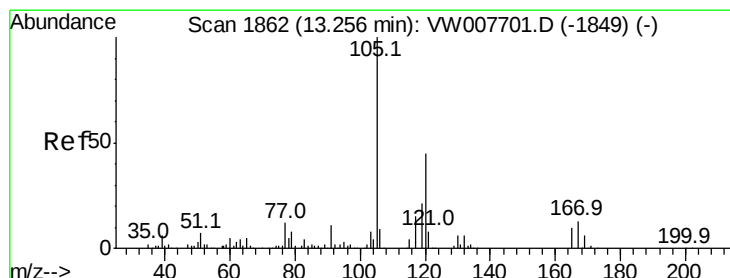
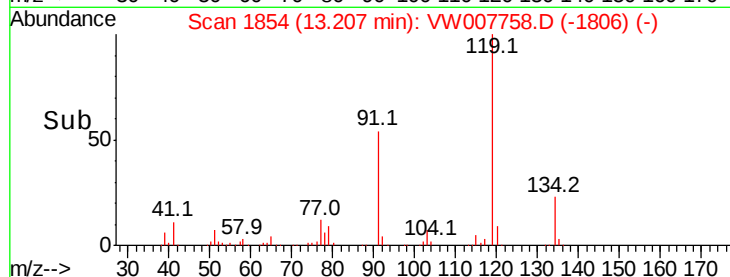
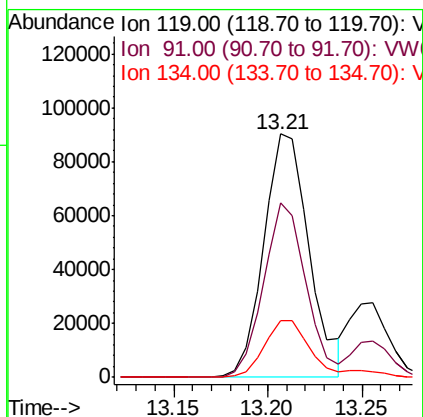
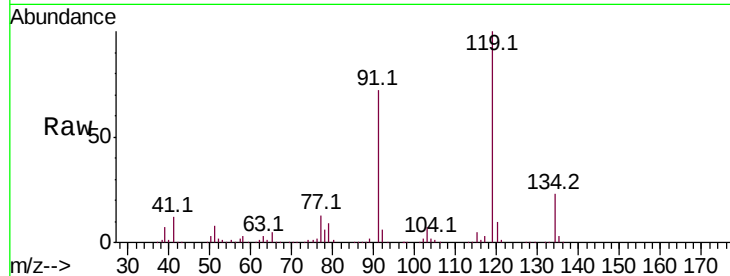




#83
tert-Butylbenzene
Concen: 50.543 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

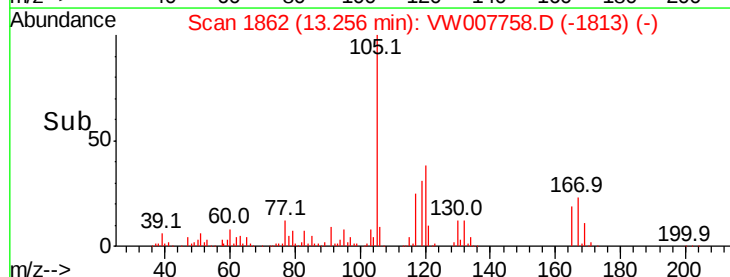
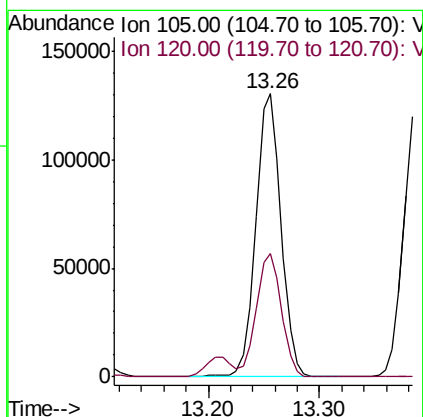
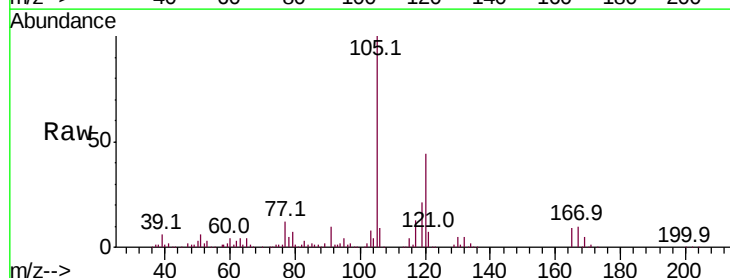
Instrument :
MSVOA_W
ClientSampled :

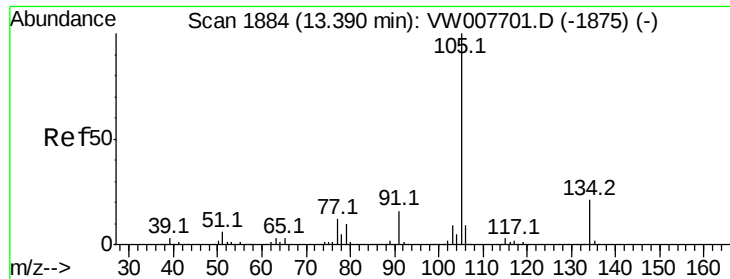
Tot Ion:119 Resp: 150719
Ion Ratio Lower Upper
119 100
91 67.0 34.2 102.5
134 25.2 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 59.525 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:105 Resp: 204133
Ion Ratio Lower Upper
105 100
120 44.0 22.0 66.0

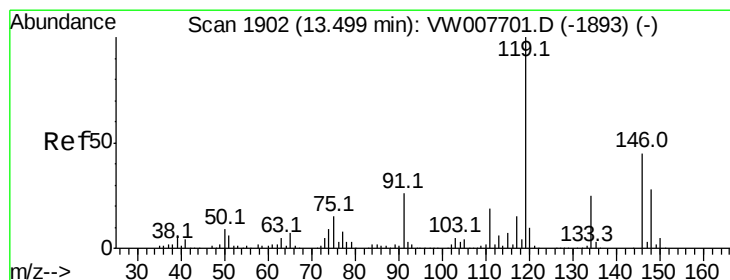
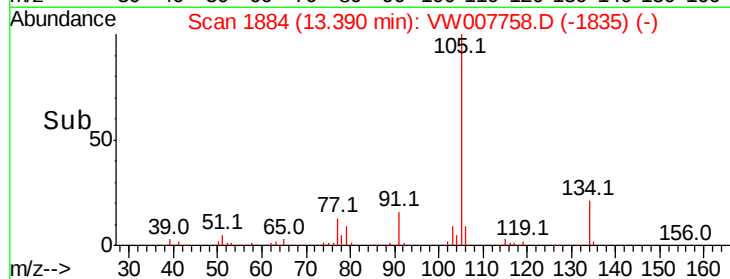
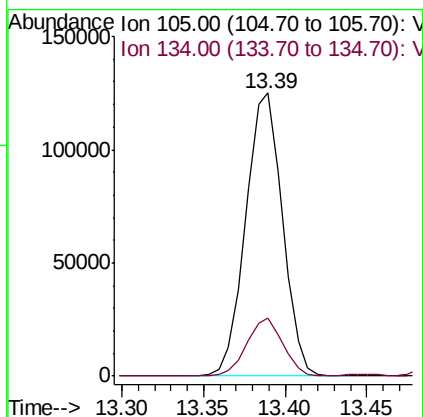
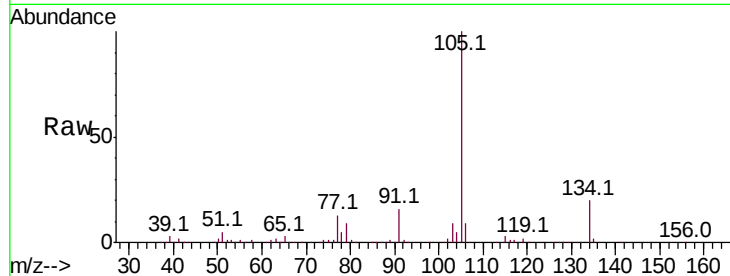




#85
 sec-Butylbenzene
 Concen: 47.745 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

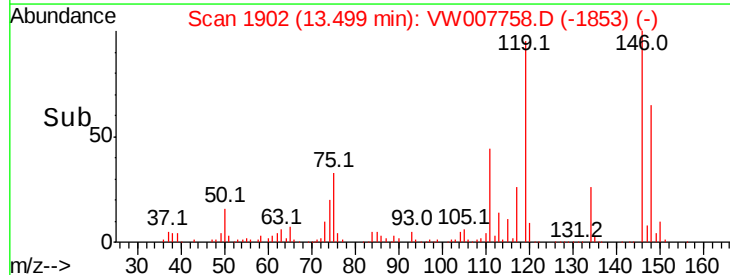
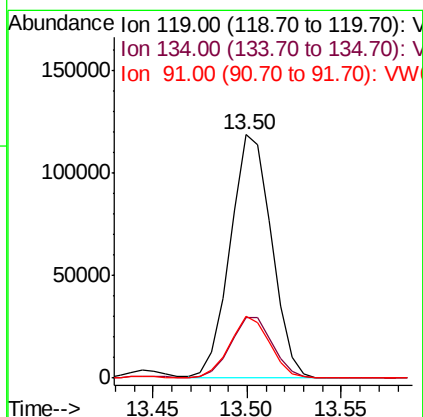
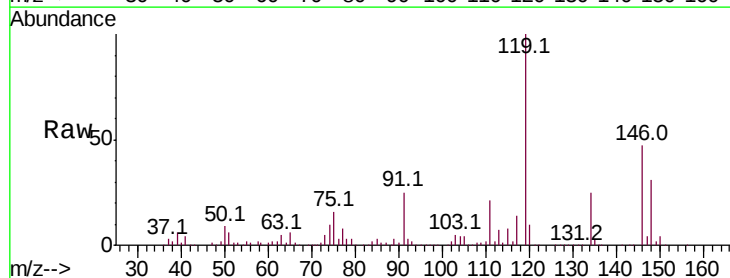
Instrument :
 MSVOA_W
 ClientSampled :

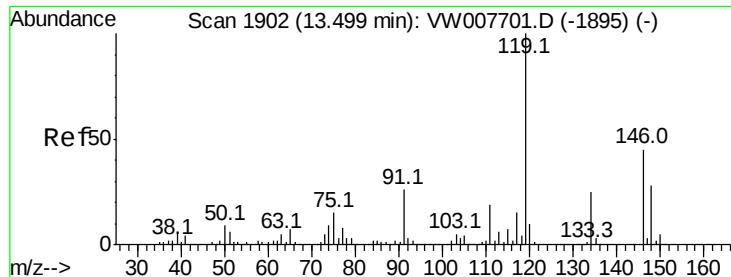
Tot Ion:105 Resp: 196220
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 48.325 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion:119 Resp: 180592
 Ion Ratio Lower Upper
 119 100
 134 25.4 13.0 39.0
 91 24.5 12.8 38.4

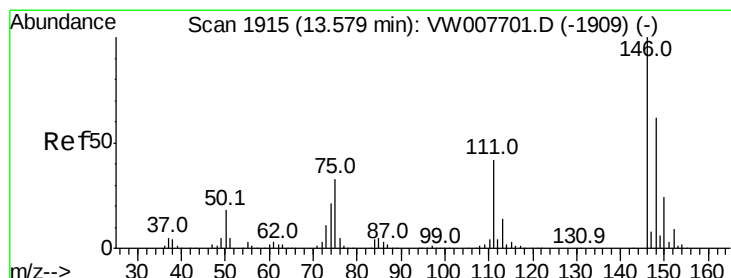
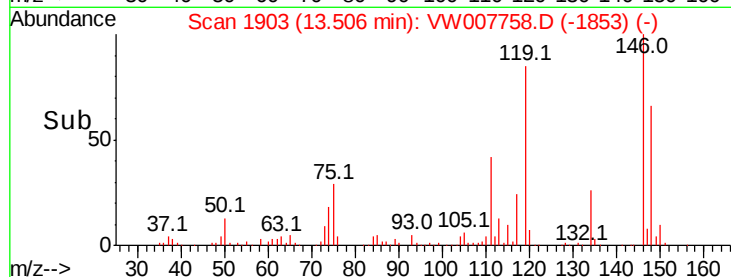
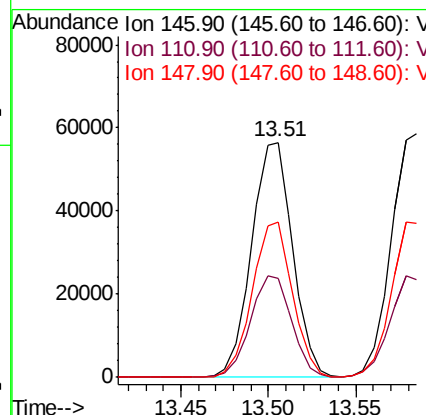
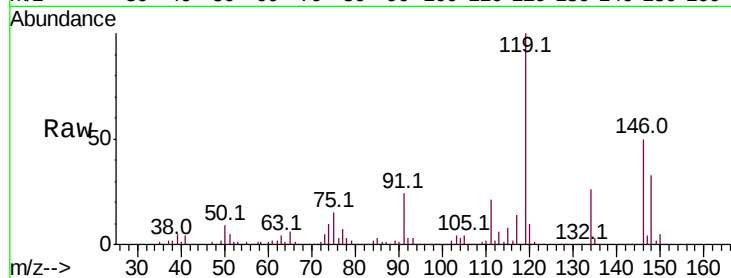




#87
 1,3-Dichlorobenzene
 Concen: 51.765 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

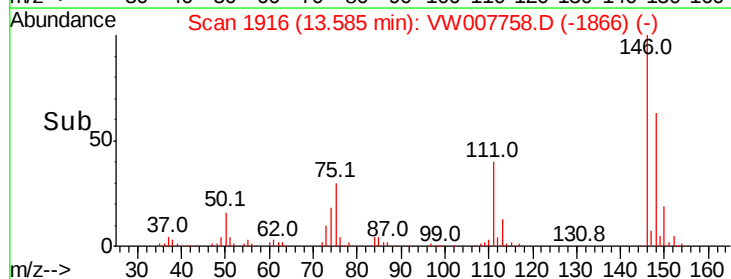
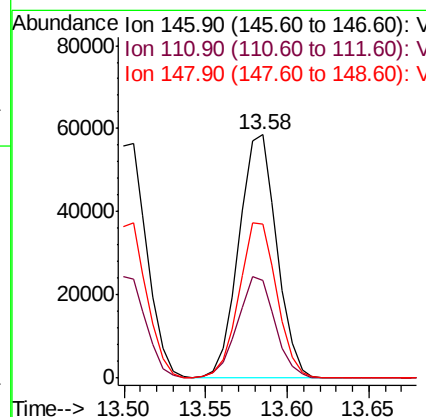
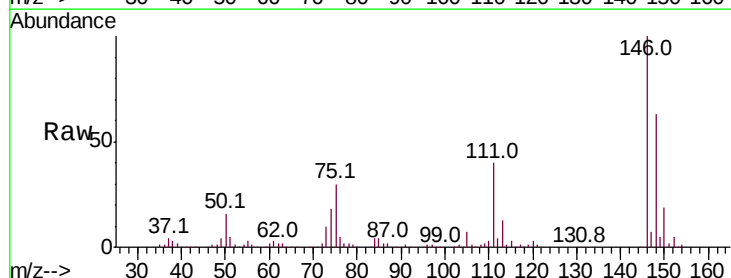
Instrument :
 MSVOA_W
 ClientSampleId :

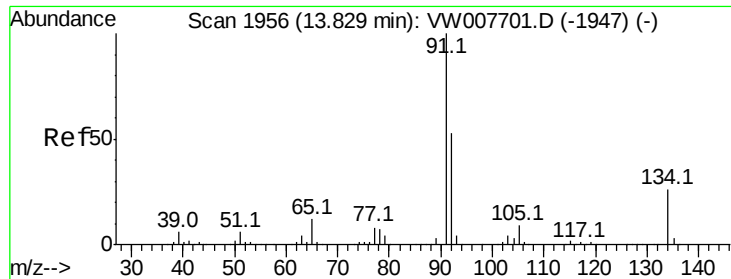
Tot Ion:146 Resp: 92806
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.1 63.4
 148 64.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 52.965 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion:146 Resp: 94984
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.0 63.0
 148 63.6 31.8 95.4

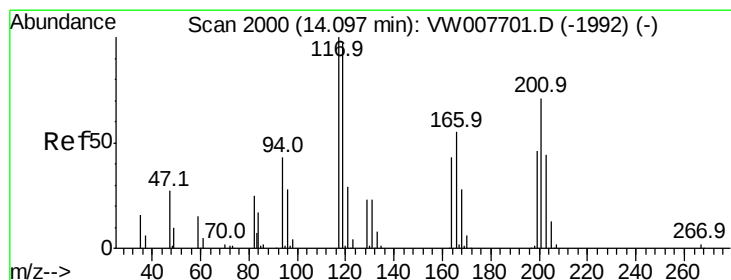
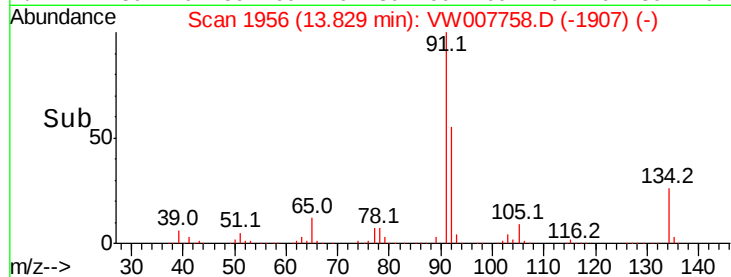
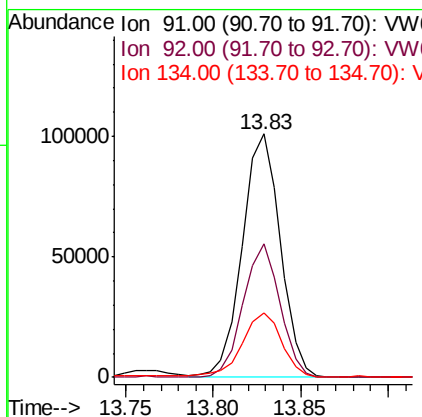
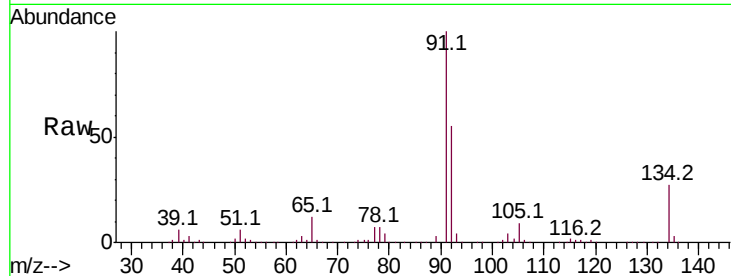




#89
n-Butylbenzene
Concen: 44.434 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

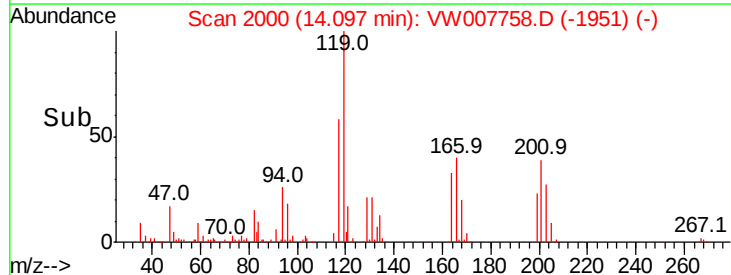
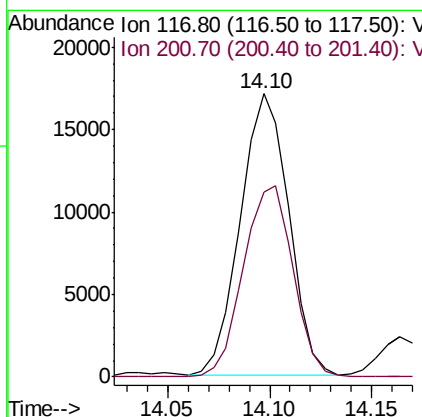
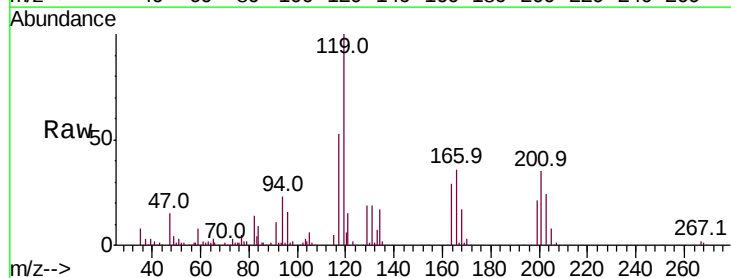
Instrument :
MSVOA_W
ClientSampled :

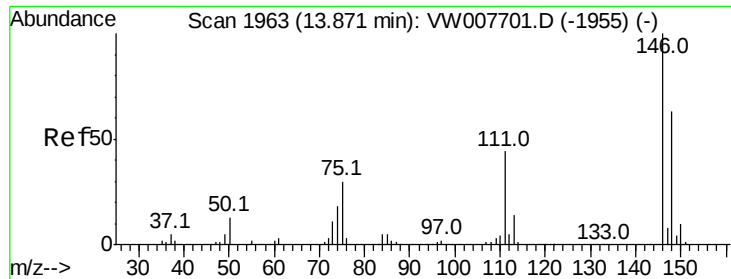
Tot Ion: 91 Resp: 152248
Ion Ratio Lower Upper
91 100
92 53.2 26.4 79.2
134 28.2 13.7 41.0



#90
Hexachloroethane
Concen: 42.969 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion: 117 Resp: 28191
Ion Ratio Lower Upper
117 100
201 69.2 36.2 108.6





#91

1,2-Dichlorobenzene

Concen: 55.822 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

Instrument :

MSVOA_W

ClientSampleId :

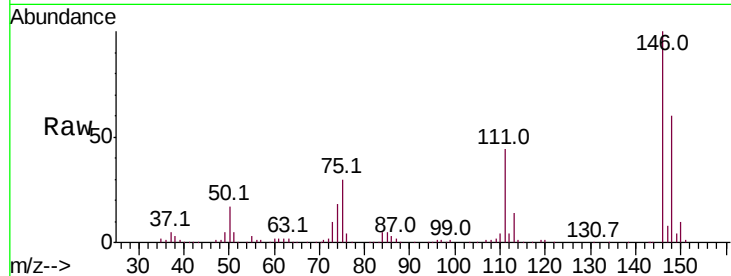
Tot Ion:146 Resp: 89604

Ion Ratio Lower Upper

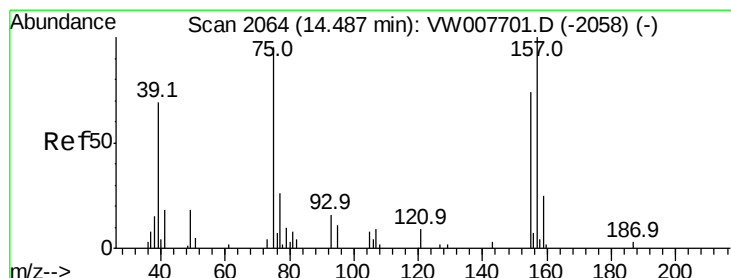
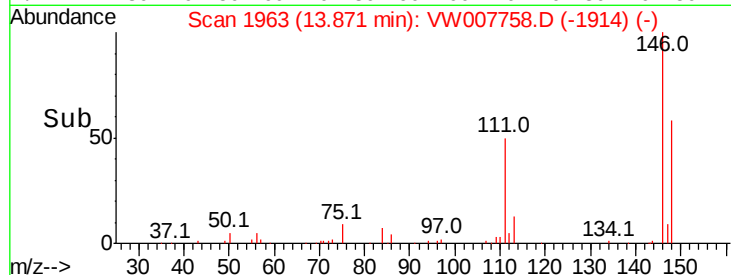
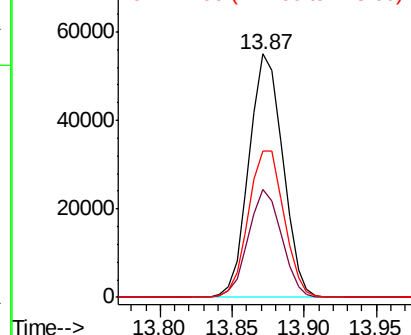
146 100

111 43.7 21.7 65.1

148 62.9 32.1 96.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 58.260 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007758.D

Acq: 20 Dec 2018 20:08

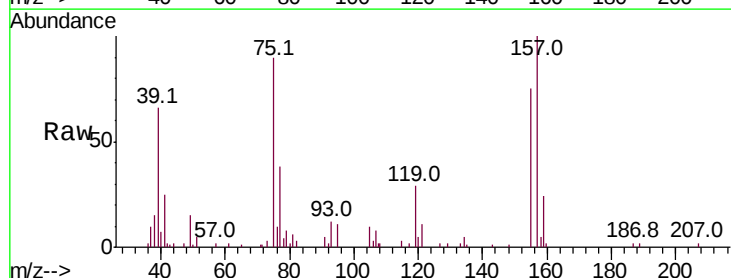
Tgt Ion: 75 Resp: 7068

Ion Ratio Lower Upper

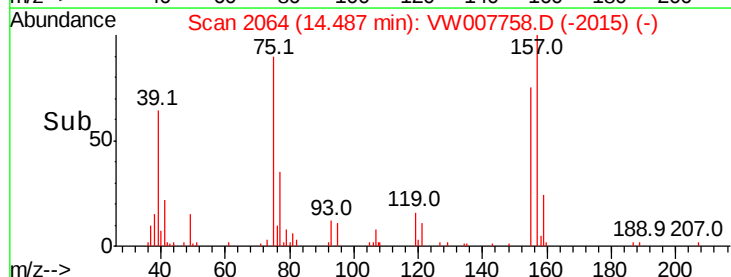
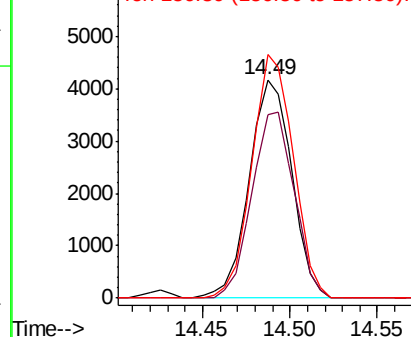
75 100

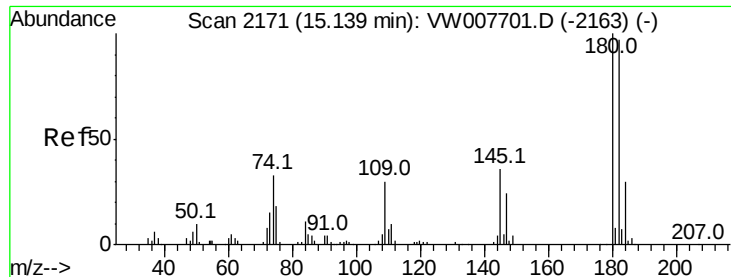
155 84.7 39.4 118.1

157 108.5 52.0 156.0



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

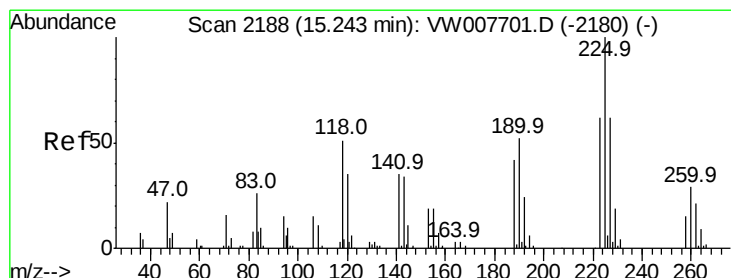
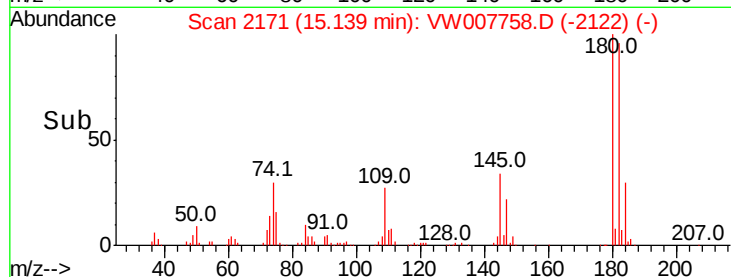
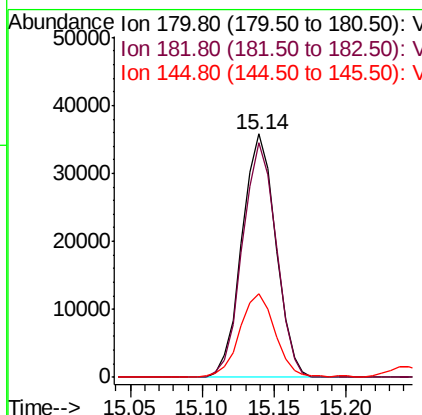
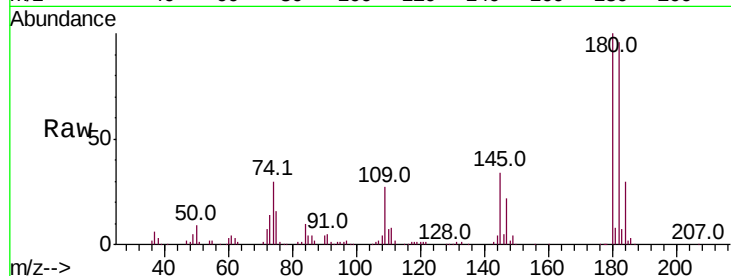




#93
 1,2,4-Trichlorobenzene
 Concen: 52.469 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

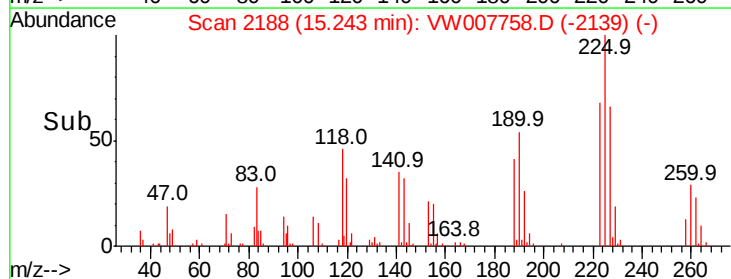
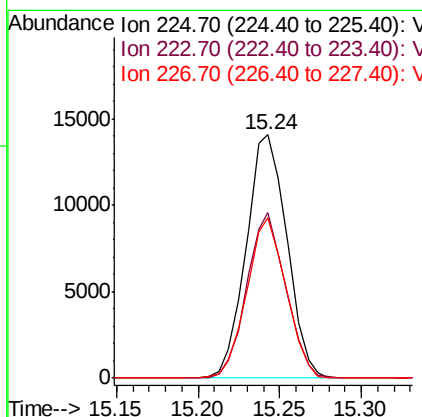
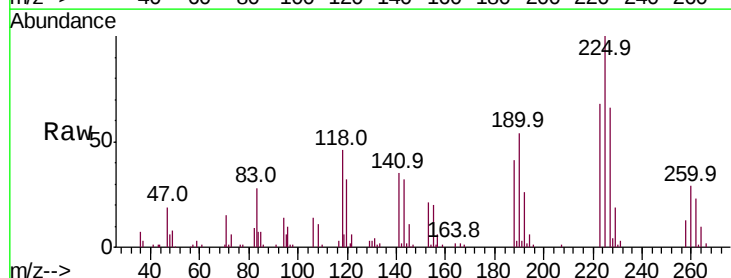
Instrument :
 MSVOA_W
 ClientSampled :

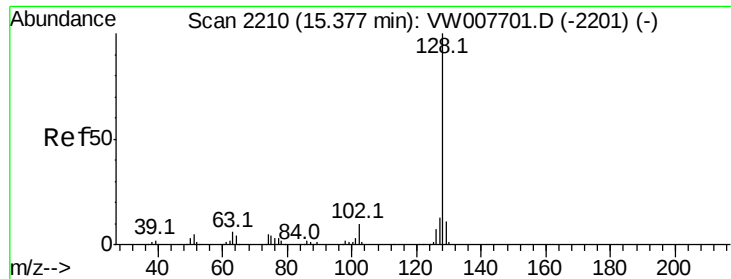
Tot Ion:180 Resp: 58463
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.5 142.6
 145 36.2 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 40.895 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007758.D
 Acq: 20 Dec 2018 20:08

Tgt Ion:225 Resp: 24352
 Ion Ratio Lower Upper
 225 100
 223 65.2 31.6 94.8
 227 63.6 32.1 96.3

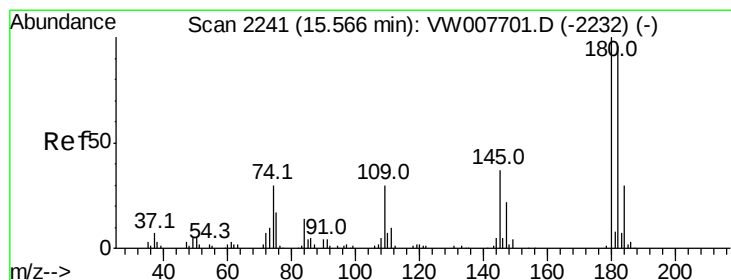
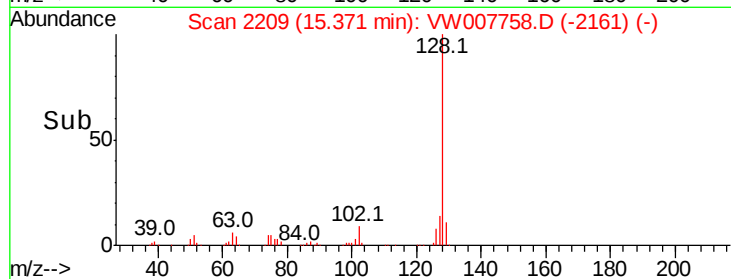
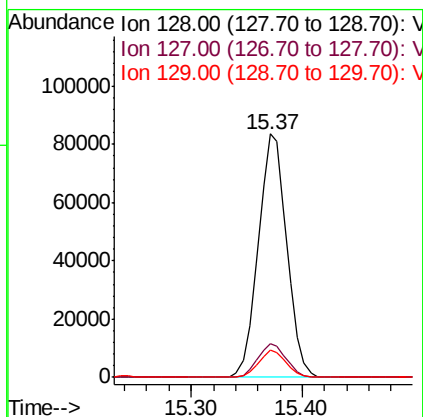
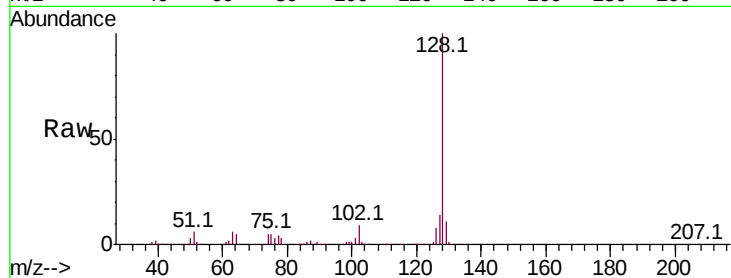




#95
Naphthalene
Concen: 72.259 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 148856
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 56.364 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007758.D
Acq: 20 Dec 2018 20:08

Tgt Ion:180 Resp: 53759
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.2
145 37.5 18.4 55.0

