

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007650.D
 Acq On : 18 Dec 2018 11:41
 Operator : SY/AP
 Sample : WV1220SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:14:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	123197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	39814	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.88	113	38052	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.32	98	143934	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.62	95	54779	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12279	22.933	ug/l	95
3) Chloromethane	2.22	50	8853	19.742	ug/l	96
4) Vinyl Chloride	2.37	62	12025	22.851	ug/l	98
5) Bromomethane	2.78	94	7471	21.130	ug/l	98
6) Chloroethane	2.93	64	6275	21.662	ug/l	97
7) Trichlorofluoromethane	3.26	101	10886	23.009	ug/l	95
8) Diethyl Ether	3.68	74	7255	19.592	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	18327	23.476	ug/l	98
10) Methyl Iodide	4.26	142	27543	21.303	ug/l	96
11) Tert butyl alcohol	5.17	59	5098	87.324	ug/l	96
12) 1,1-Dichloroethene	4.03	96	16303	21.690	ug/l	95
13) Acrolein	3.89	56	3353	86.798	ug/l	91
14) Allyl chloride	4.66	41	22797	20.576	ug/l	96
15) Acrylonitrile	5.37	53	14838	95.053	ug/l	99
16) Acetone	4.12	43	17007	114.542	ug/l	96
17) Carbon Disulfide	4.37	76	50425	22.126	ug/l	100
18) Methyl Acetate	4.67	43	7723	19.164	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	22284	19.653	ug/l	100
20) Methylene Chloride	4.90	84	17800	19.535	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	17685	21.033	ug/l	93
22) Diisopropyl ether	6.31	45	41260	19.375	ug/l	94
23) Vinyl Acetate	6.26	43	114097	95.788	ug/l	97
24) 1,1-Dichloroethane	6.21	63	30334	21.076	ug/l	98
25) 2-Butanone	7.17	43	18404	94.945	ug/l	100
26) 2,2-Dichloropropane	7.17	77	23045	24.193	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	19182	20.835	ug/l	98
28) Bromochloromethane	7.51	49	9781	18.067	ug/l	97
29) Tetrahydrofuran	7.52	42	10347	84.319	ug/l	91
30) Chloroform	7.67	83	32926	21.022	ug/l	97
31) Cyclohexane	7.95	56	28041	21.235	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	31032	22.593	ug/l	98
36) 1,1-Dichloropropene	8.08	75	25841	22.993	ug/l	99
37) Ethyl Acetate	7.26	43	7899	18.897	ug/l	97
38) Carbon Tetrachloride	8.07	117	30165	24.668	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	31986	23.504	ug/l	95
40) Benzene	8.32	78	69742	22.361	ug/l	96
41) Methacrylonitrile	7.49	41	4740	19.913	ug/l	93
42) 1,2-Dichloroethane	8.40	62	21635	22.083	ug/l	98
43) Isopropyl Acetate	8.43	43	15698	19.012	ug/l	98
44) Trichloroethene	9.09	130	20124	22.596	ug/l	97
45) 1,2-Dichloropropane	9.37	63	15748	21.819	ug/l	98
46) Dibromomethane	9.46	93	8872	21.646	ug/l	98
47) Bromodichloromethane	9.65	83	23869	22.202	ug/l	95
48) Methyl methacrylate	9.44	41	7827	18.458	ug/l	98
49) 1,4-Dioxane	9.45	88	2748	413.210	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	36461	93.458	ug/l	99
52) Toluene	10.39	92	46498	23.037	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	23052	22.086	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	26178	21.696	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12530	22.462	ug/l	92
56) Ethyl methacrylate	10.65	69	13906	20.740	ug/l	99
57) 1,3-Dichloropropane	10.93	76	20722	22.632	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	29694	96.036	ug/l	98
59) 2-Hexanone	10.97	43	26336	101.238	ug/l	100
60) Dibromochloromethane	11.13	129	16175	22.977	ug/l	99
61) 1,2-Dibromoethane	11.23	107	11631	21.099	ug/l	99
64) Tetrachloroethene	10.87	164	16566	21.304	ug/l	94
65) Chlorobenzene	11.66	112	51980	23.063	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	18454	23.248	ug/l	99
67) Ethyl Benzene	11.73	91	91971	23.735	ug/l	93
68) m/p-Xylenes	11.84	106	70894	47.062	ug/l	99
69) o-Xylene	12.17	106	33112	23.536	ug/l	99
70) Styrene	12.18	104	54222	23.861	ug/l	97
71) Bromoform	12.35	173	8830	21.733	ug/l #	99
73) Isopropylbenzene	12.47	105	94407	22.114	ug/l	98
74) N-amyl acetate	12.27	43	14192	18.292	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12913	20.423	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	18314	39.867	ug/l #	1
77) Bromobenzene	12.75	156	20778	21.958	ug/l	98
78) n-propylbenzene	12.81	91	113014	23.523	ug/l	100
79) 2-Chlorotoluene	12.90	91	64120	22.057	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	82955	23.126	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4173	20.067	ug/l	98
82) 4-Chlorotoluene	12.99	91	69475	22.672	ug/l	98
83) tert-Butylbenzene	13.21	119	72370	22.897	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	83283	22.562	ug/l	100
85) sec-Butylbenzene	13.39	105	101446	23.512	ug/l	96
86) p-Isopropyltoluene	13.51	119	92462	23.854	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	42854	22.714	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	42190	22.243	ug/l	96
89) n-Butylbenzene	13.83	91	85161	23.699	ug/l	99
90) Hexachloroethane	14.10	117	15489	22.458	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	36836	21.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2560	20.175	ug/l	98

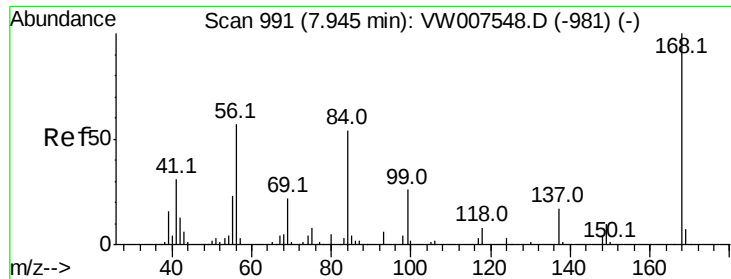
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26075	22.422	ug/l	95
94) Hexachlorobutadiene	15.24	225	14053	22.775	ug/l	99
95) Naphthalene	15.38	128	44403	19.959	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21877	21.656	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

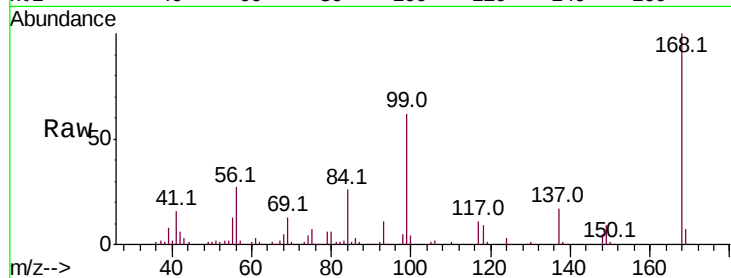
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 76621

Ion Ratio Lower Upper

168 100

99 62.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

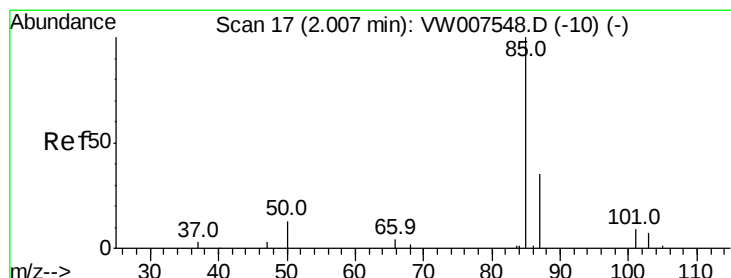
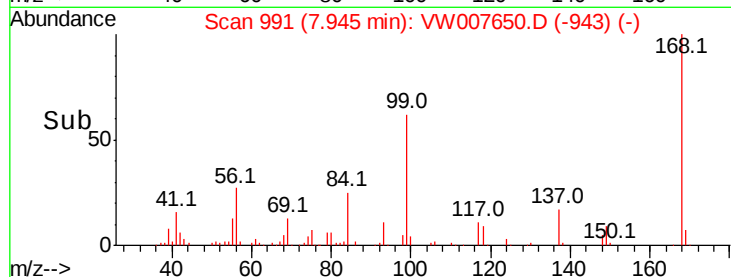
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.933 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007650.D

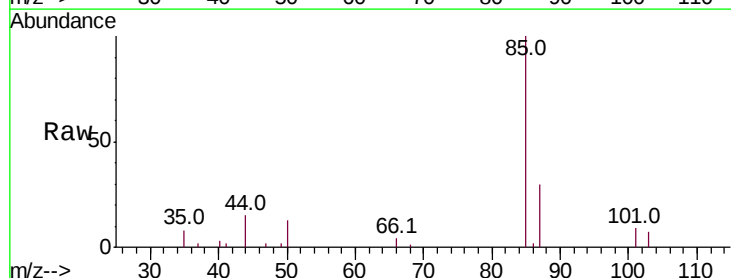
Acq: 18 Dec 2018 11:41

Tgt Ion: 85 Resp: 12279

Ion Ratio Lower Upper

85 100

87 30.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

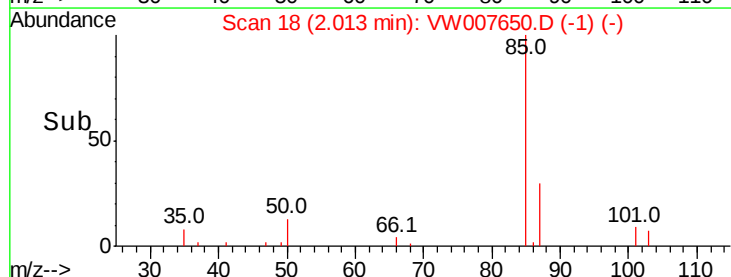
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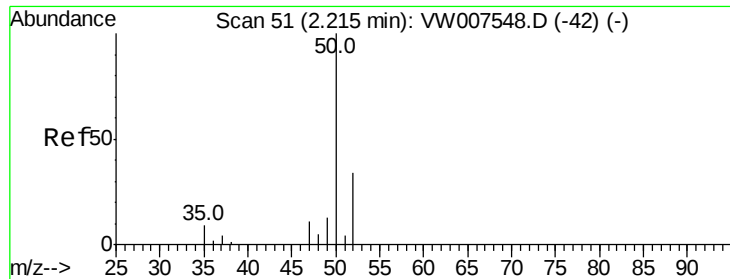
1000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.742 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

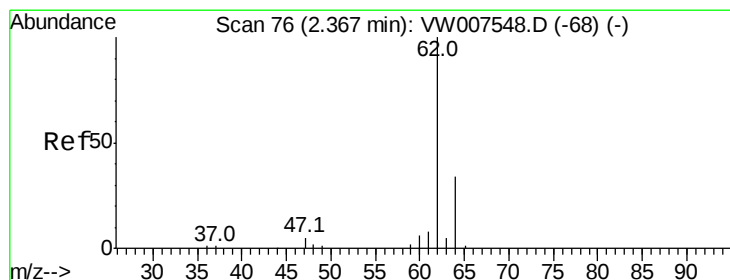
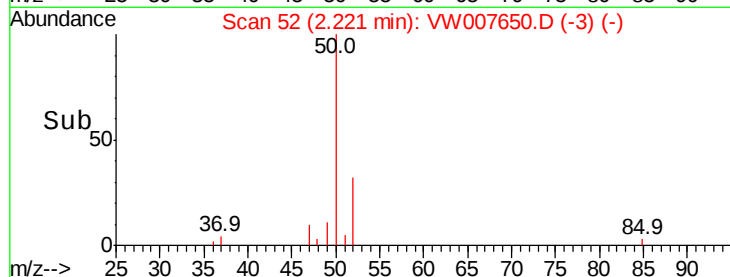
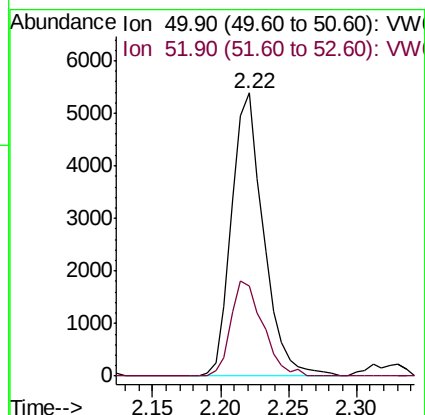
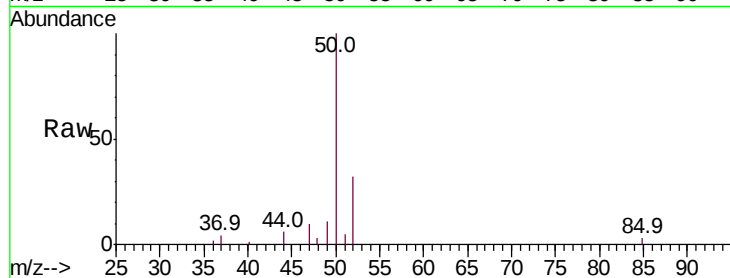
ClientSampled :

Tot Ion: 50 Resp: 8853

Ion Ratio Lower Upper

50 100

52 31.9 27.4 41.0



#4

Vinyl Chloride

Concen: 22.851 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007650.D

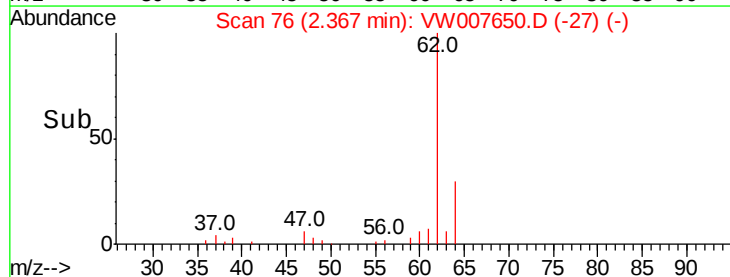
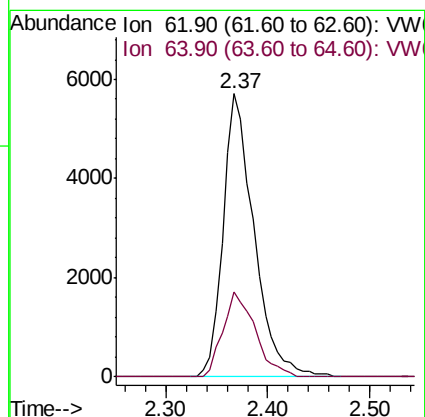
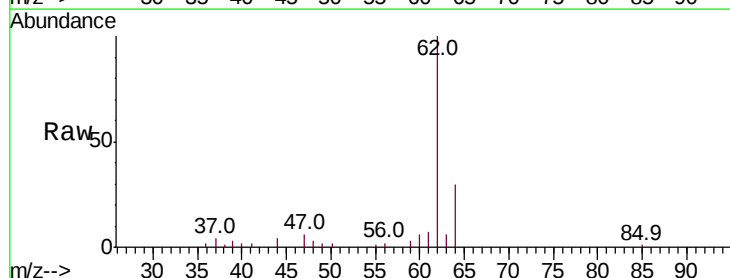
Acq: 18 Dec 2018 11:41

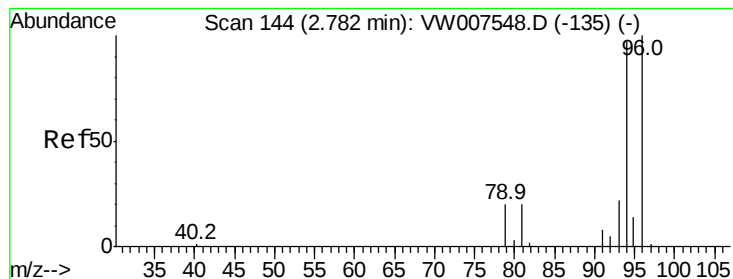
Tgt Ion: 62 Resp: 12025

Ion Ratio Lower Upper

62 100

64 29.9 24.6 37.0





#5

Bromomethane

Concen: 21.130 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

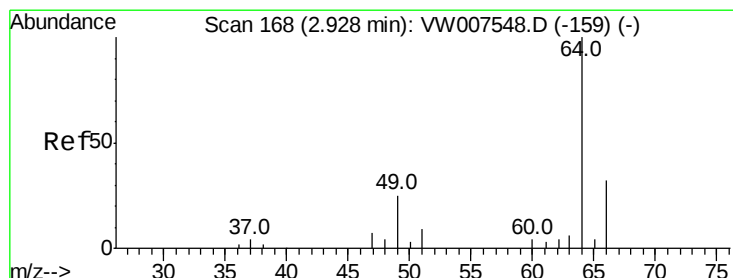
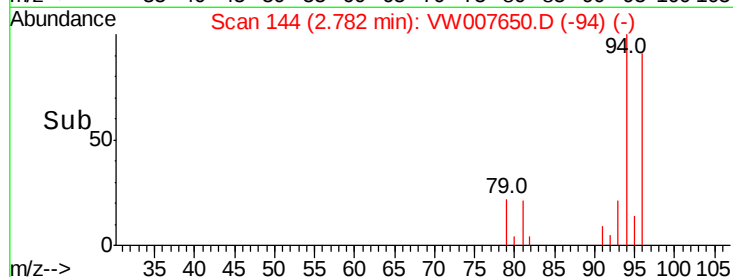
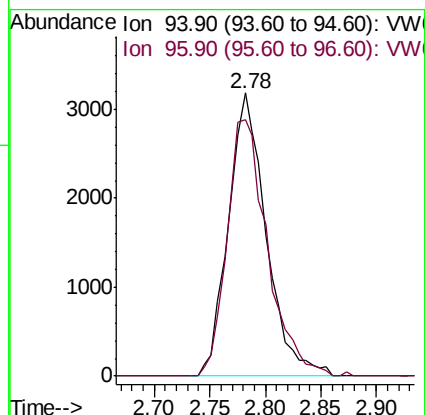
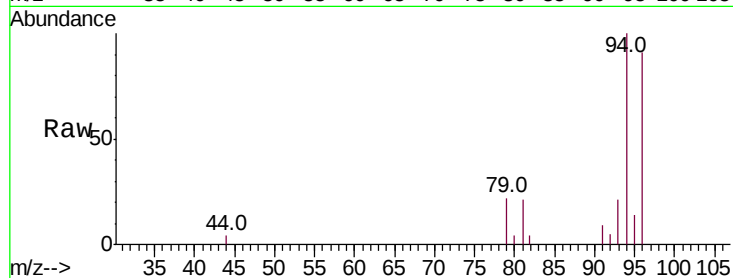
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 7471

Ion Ratio Lower Upper

94 100

96 90.7 71.0 106.4



#6

Chloroethane

Concen: 21.662 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007650.D

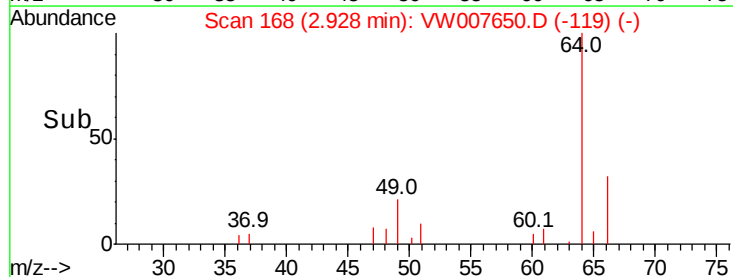
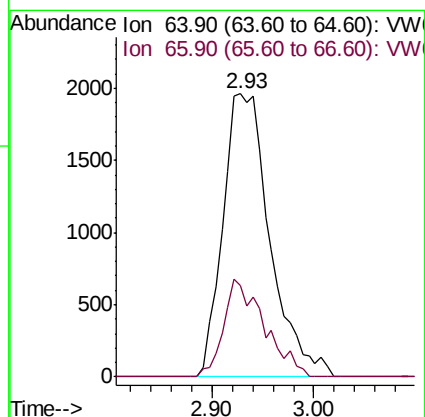
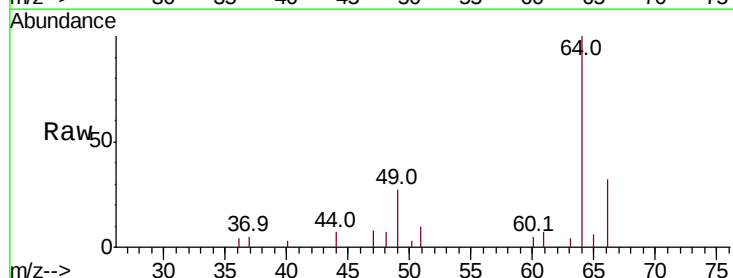
Acq: 18 Dec 2018 11:41

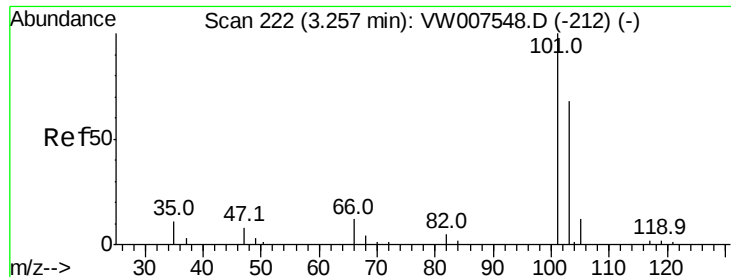
Tgt Ion: 64 Resp: 6275

Ion Ratio Lower Upper

64 100

66 32.3 24.6 37.0



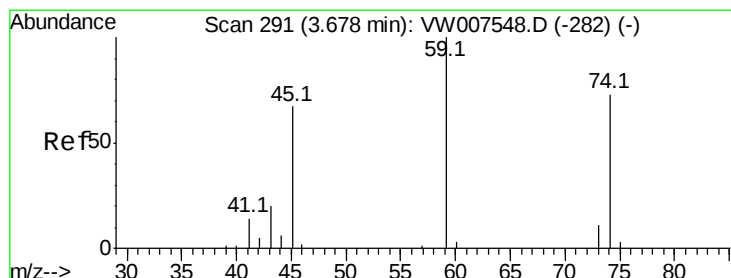
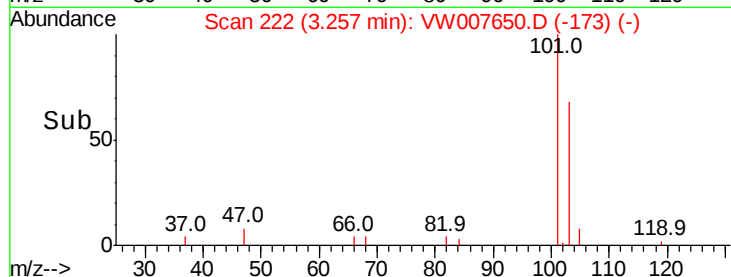
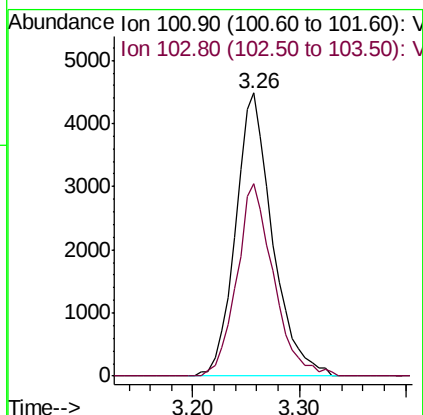
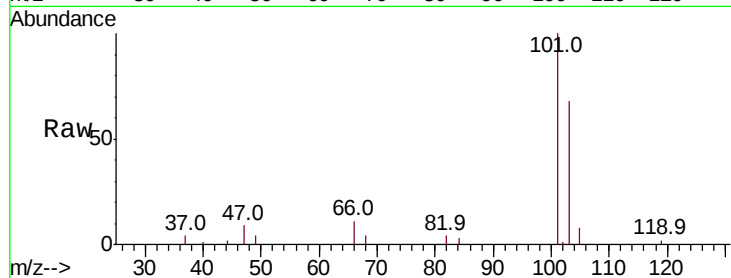


#7

Trichlorofluoromethane
 Concen: 23.009 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampled :

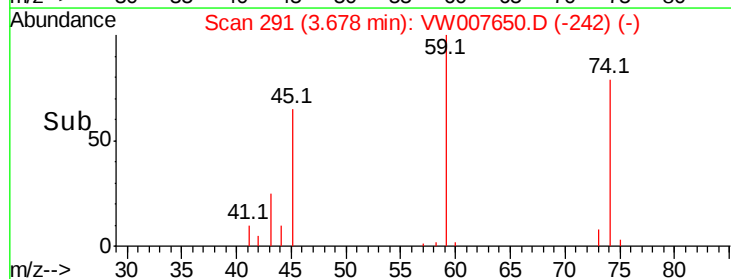
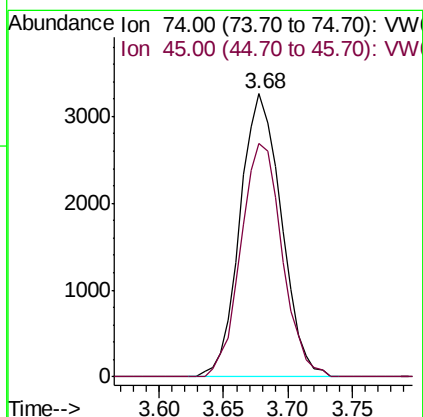
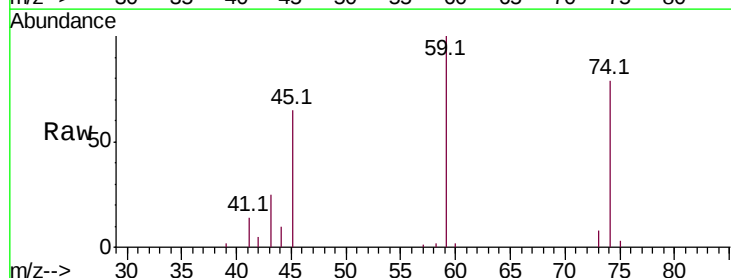
Tot Ion:101 Resp: 10886
 Ion Ratio Lower Upper
 101 100
 103 68.2 51.7 77.5

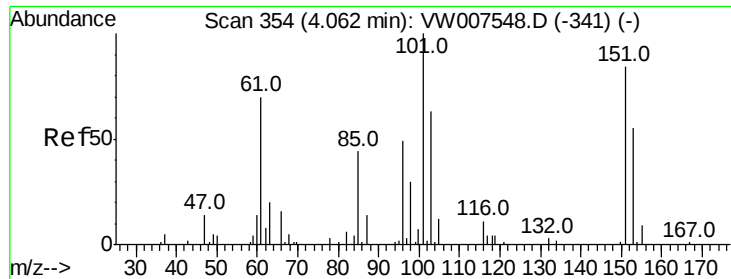


#8

Diethyl Ether
 Concen: 19.592 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion: 74 Resp: 7255
 Ion Ratio Lower Upper
 74 100
 45 82.4 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.476 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.02 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampled :

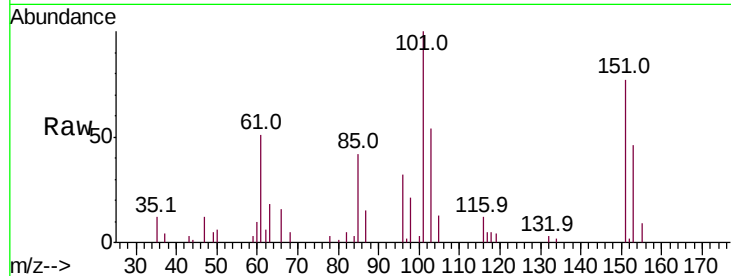
Tot Ion:101 Resp: 18327

Ion Ratio Lower Upper

101 100

85 43.8 33.9 50.9

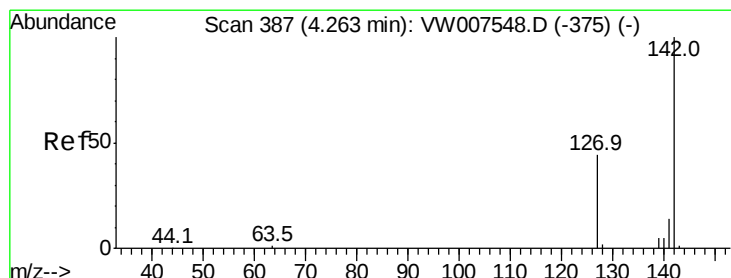
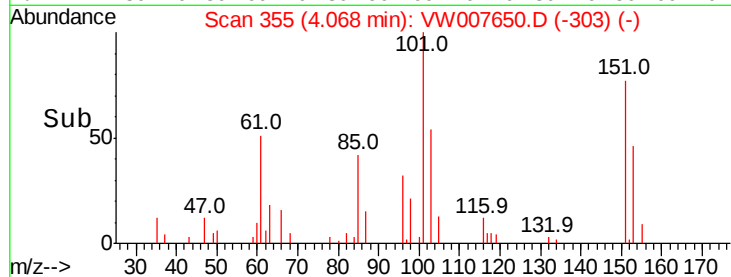
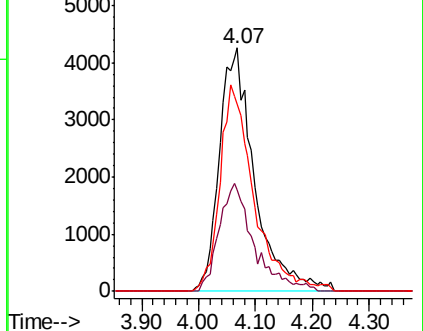
151 81.1 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.303 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

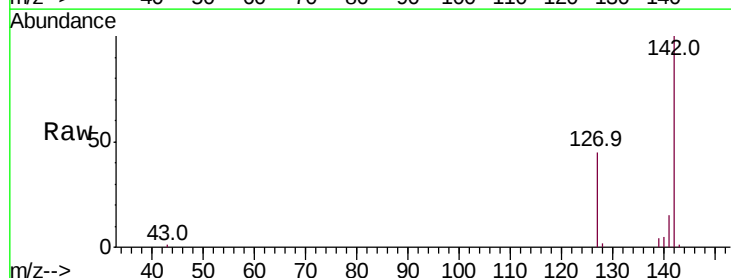
Tgt Ion:142 Resp: 27543

Ion Ratio Lower Upper

142 100

127 47.3 35.8 53.6

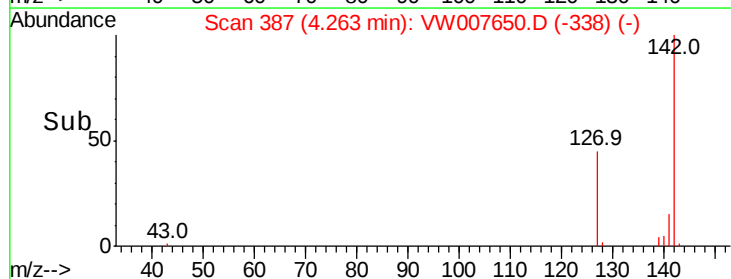
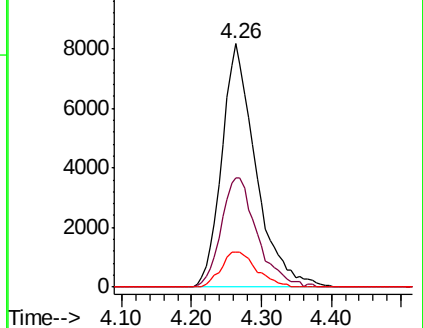
141 15.1 11.1 16.7

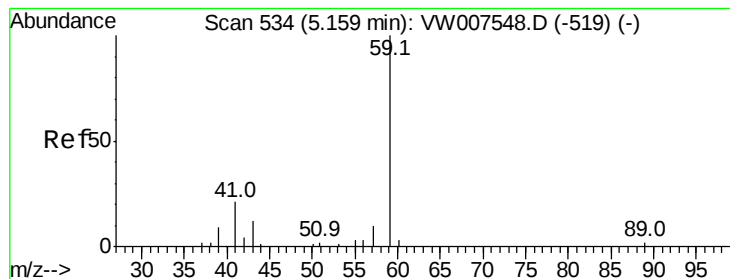


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



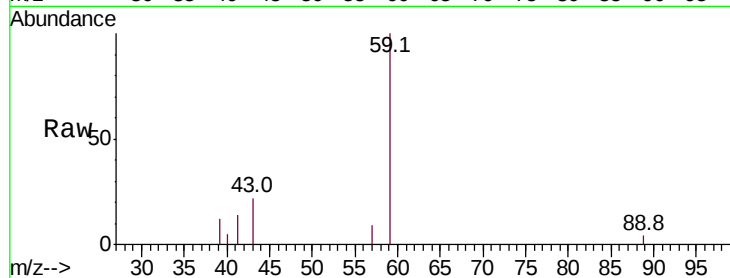


#11

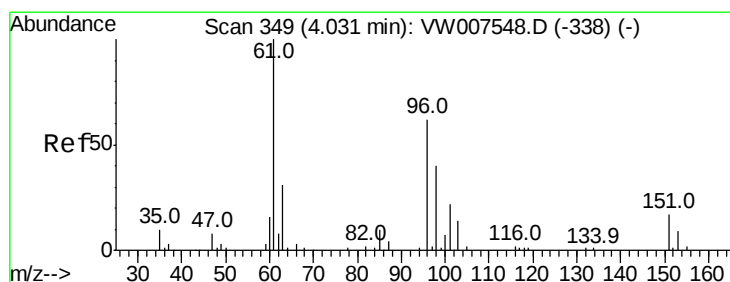
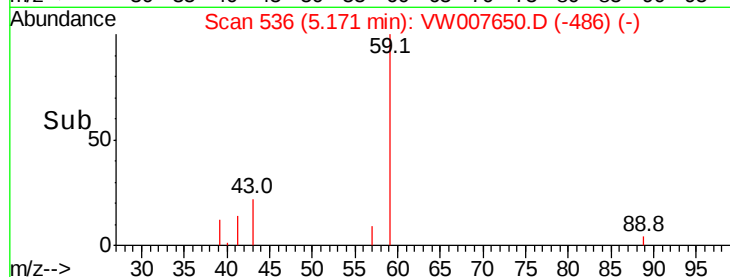
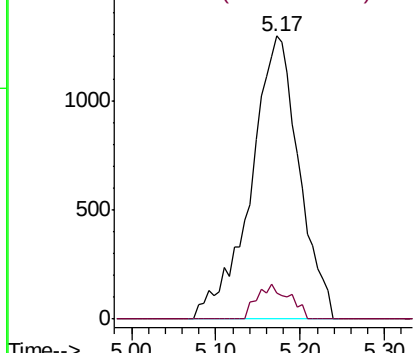
Tert butyl alcohol
Concen: 87.324 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 59 Resp: 5098
Ion Ratio Lower Upper
59 100
57 8.2 7.6 11.4



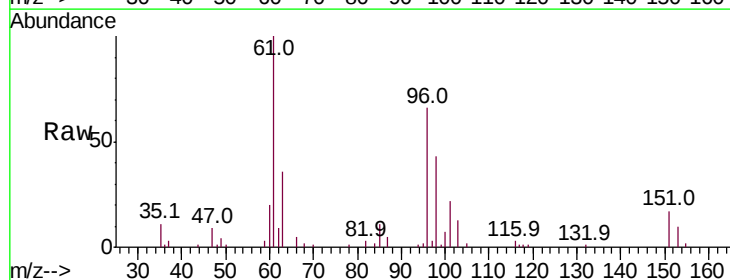
Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW



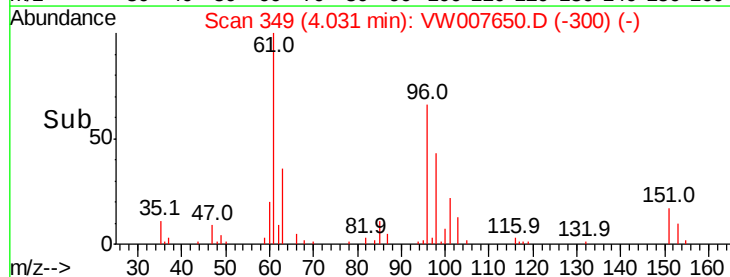
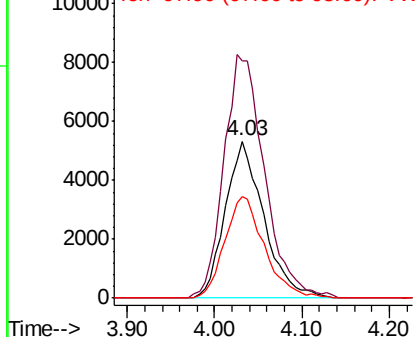
#12

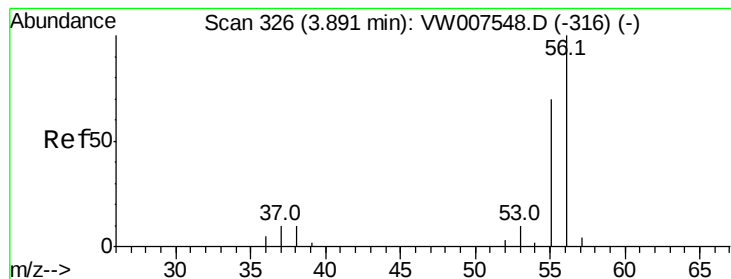
1,1-Dichloroethene
Concen: 21.690 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion: 96 Resp: 16303
Ion Ratio Lower Upper
96 100
61 151.8 126.2 189.2
98 64.6 48.3 72.5



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





#13

Acrolein

Concen: 86.798 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

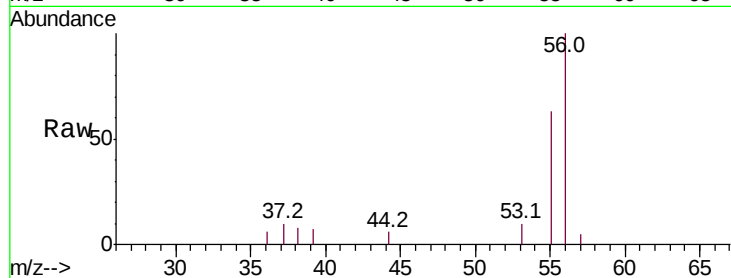
ClientSampled :

Tot Ion: 56 Resp: 3353

Ion Ratio Lower Upper

56 100

55 64.2 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

1500

1000

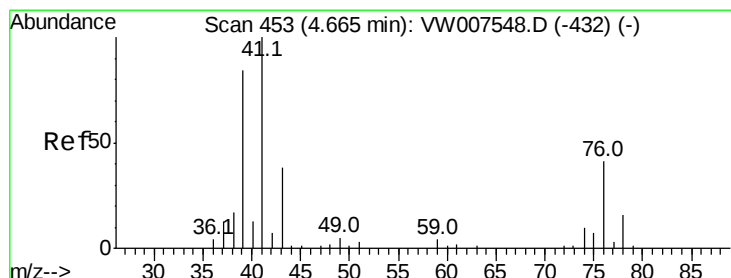
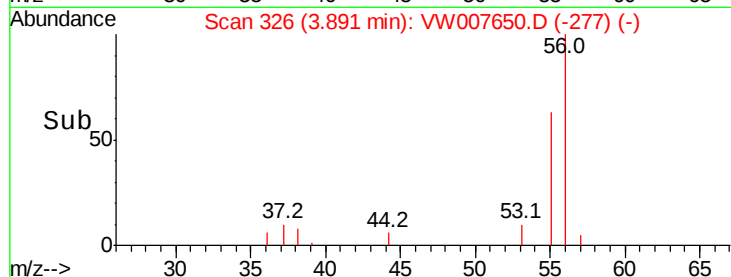
500

0

Time-->

3.80 3.85 3.90 3.95

3.89



#14

Allyl chloride

Concen: 20.576 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

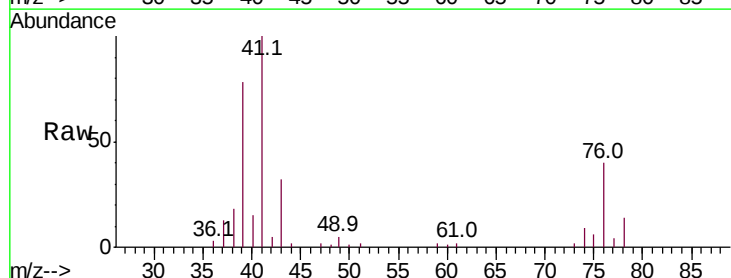
Tgt Ion: 41 Resp: 22797

Ion Ratio Lower Upper

41 100

39 83.2 63.4 95.2

76 41.8 32.1 48.1



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

10000

8000

6000

4000

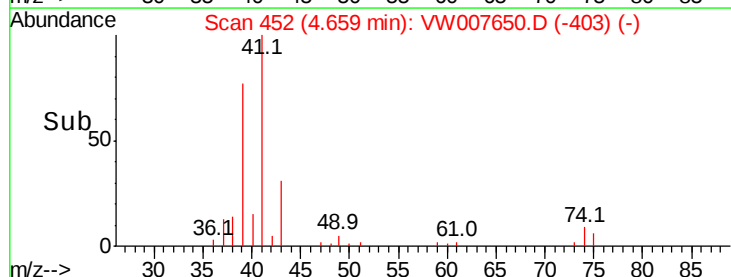
2000

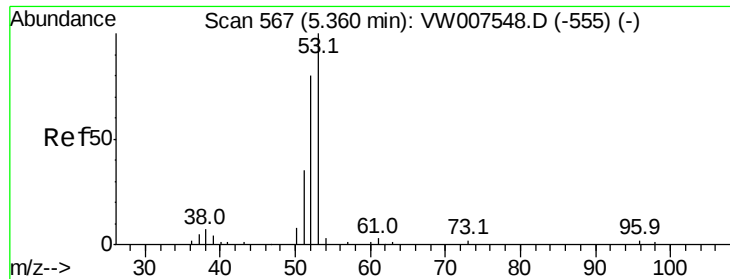
0

Time-->

4.50 4.60 4.70 4.80

4.66





#15

Acrylonitrile

Concen: 95.053 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

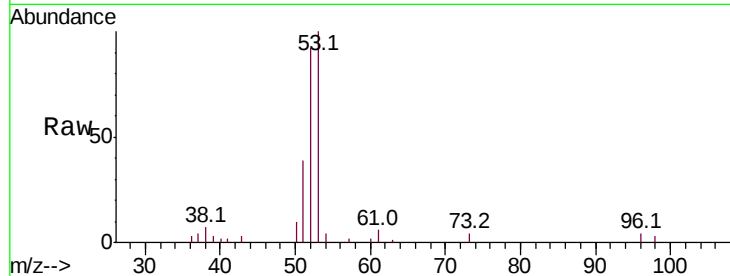
Tot Ion: 53 Resp: 14838

Ion Ratio Lower Upper

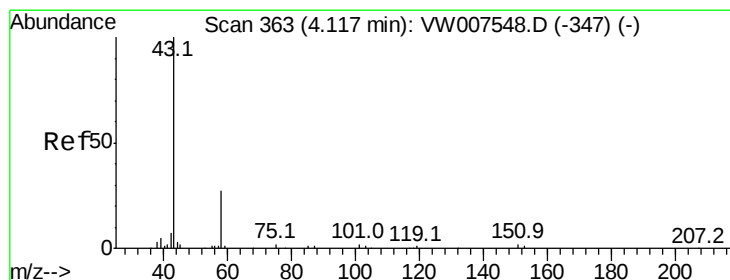
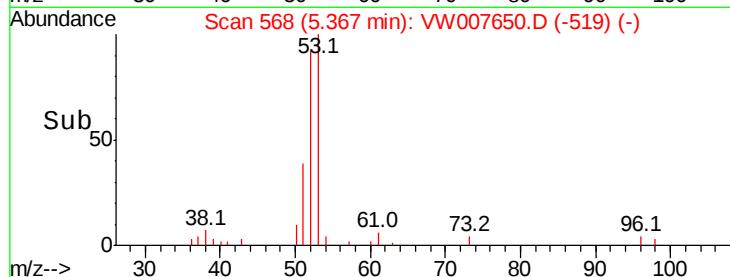
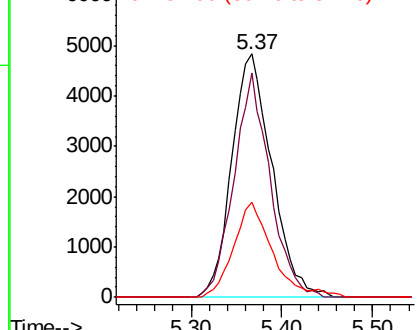
53 100

52 82.7 67.4 101.2

51 38.0 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 114.542 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007650.D

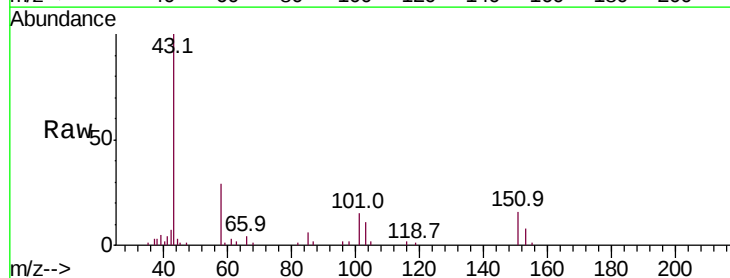
Acq: 18 Dec 2018 11:41

Tgt Ion: 43 Resp: 17007

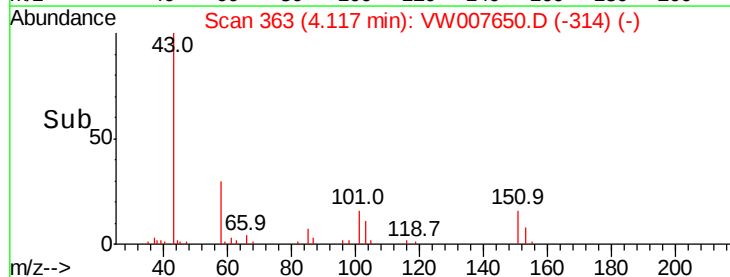
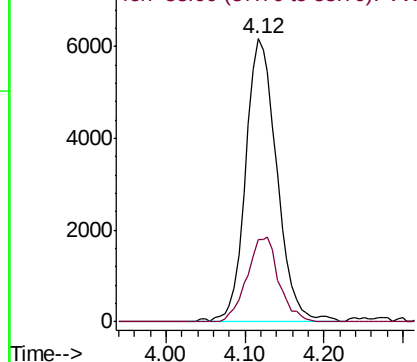
Ion Ratio Lower Upper

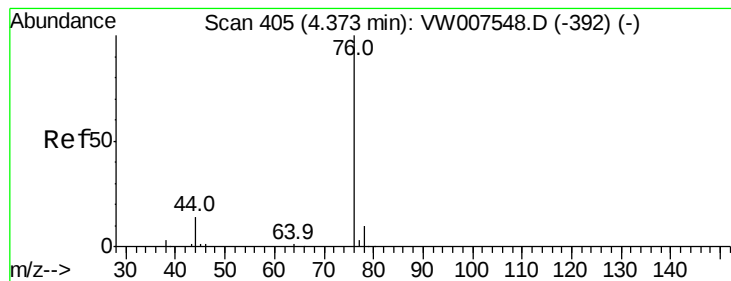
43 100

58 28.9 24.9 37.3



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





#17

Carbon Disulfide

Concen: 22.126 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

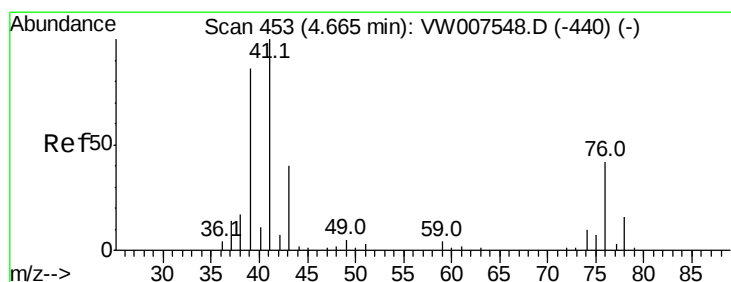
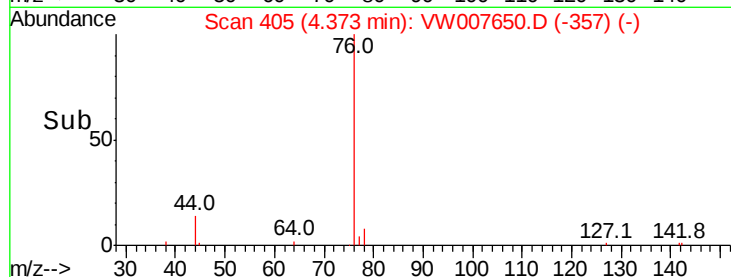
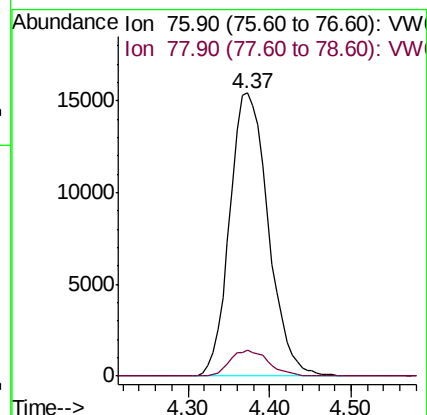
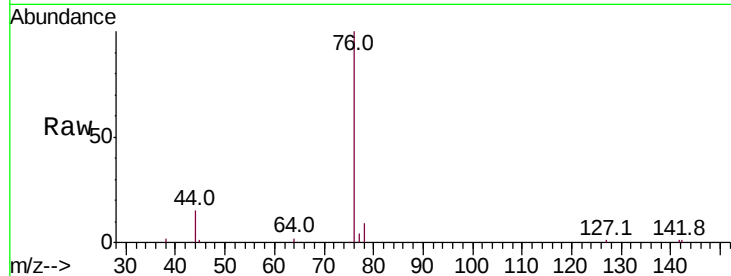
ClientSampleId :

Tot Ion: 76 Resp: 50425

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 19.164 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007650.D

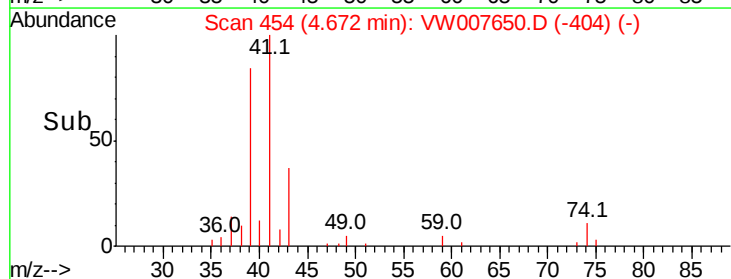
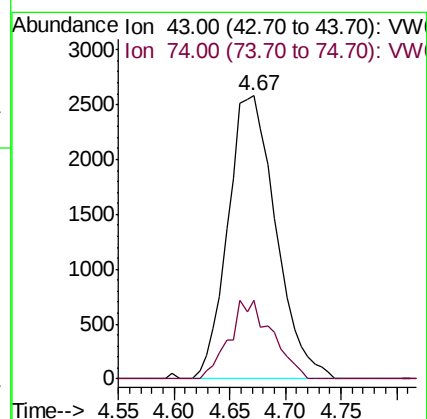
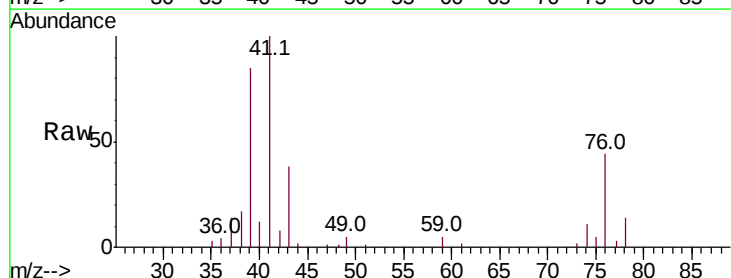
Acq: 18 Dec 2018 11:41

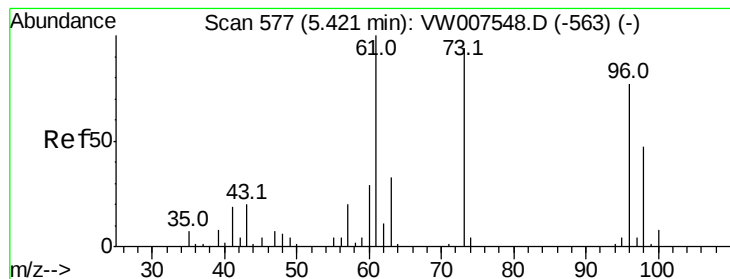
Tgt Ion: 43 Resp: 7723

Ion Ratio Lower Upper

43 100

74 24.9 21.1 31.7



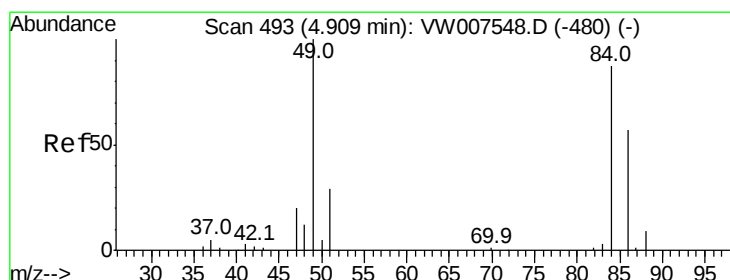
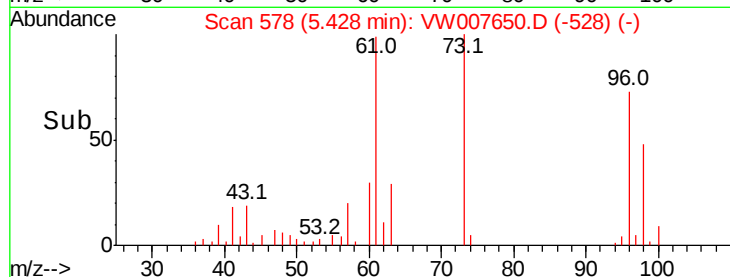
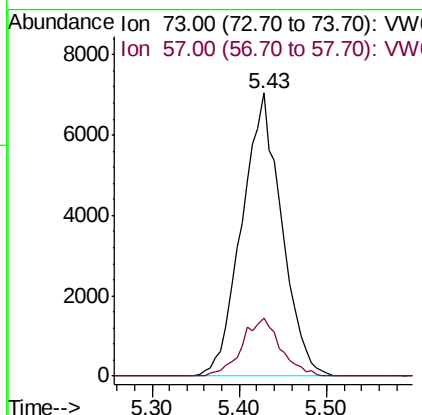
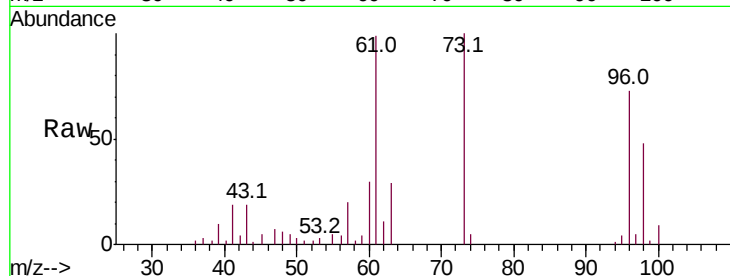


#19

Methyl tert-butyl Ether
 Concen: 19.653 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampled :

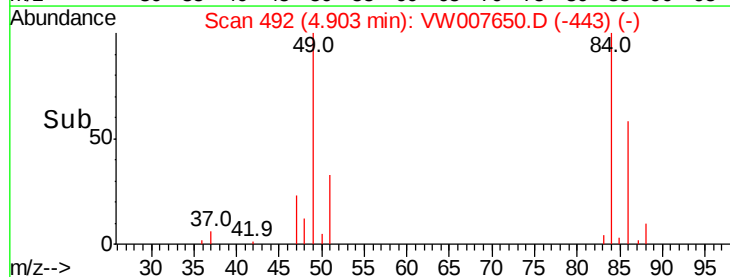
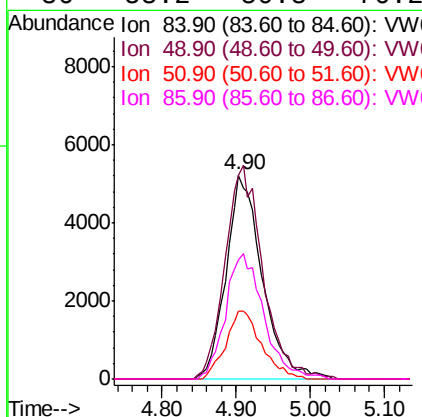
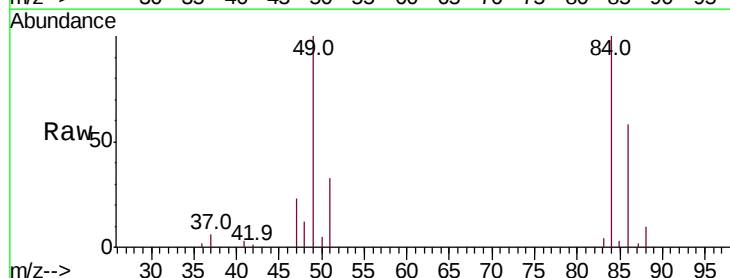
Tot Ion: 73 Resp: 22284
 Ion Ratio Lower Upper
 73 100
 57 20.4 16.4 24.6

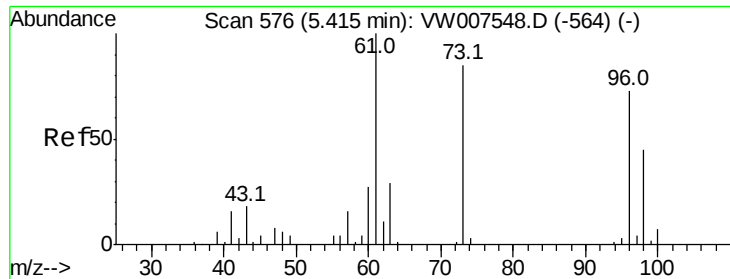


#20

Methylene Chloride
 Concen: 19.535 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion: 84 Resp: 17800
 Ion Ratio Lower Upper
 84 100
 49 99.8 87.1 130.7
 51 33.3 28.2 42.2
 86 58.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.033 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

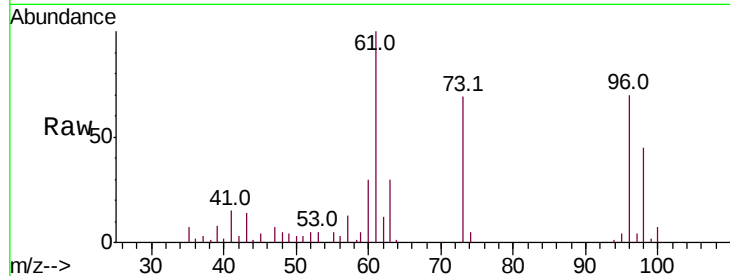
Tot Ion: 96 Resp: 17685

Ion Ratio Lower Upper

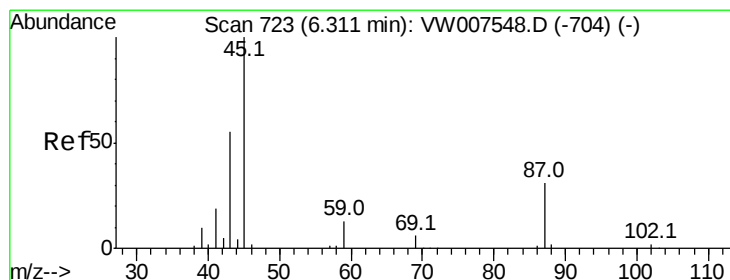
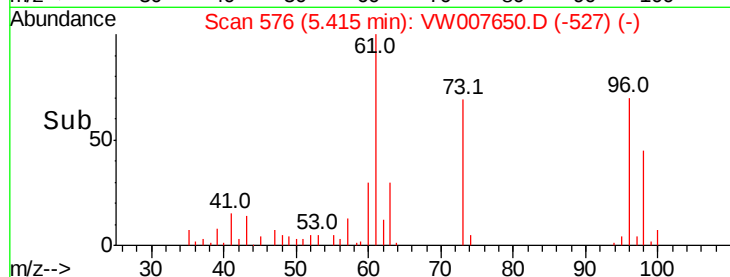
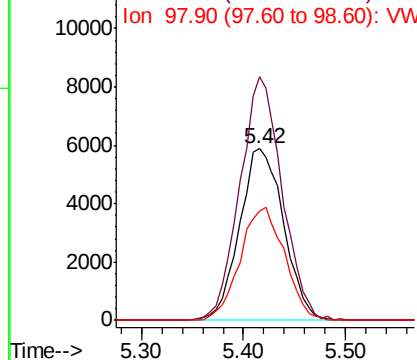
96 100

61 142.1 105.0 157.6

98 63.8 49.7 74.5



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



#22

Diisopropyl ether

Concen: 19.375 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Tgt Ion: 45 Resp: 41260

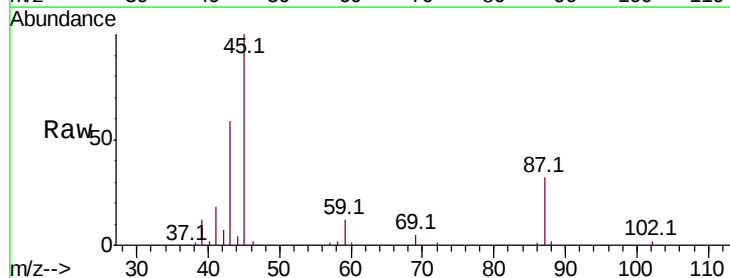
Ion Ratio Lower Upper

45 100

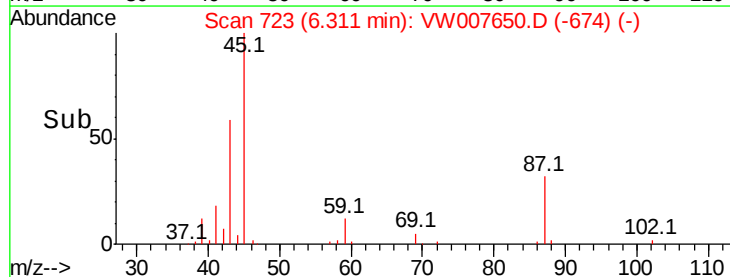
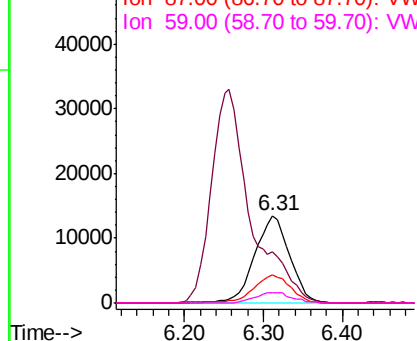
43 58.3 41.6 62.4

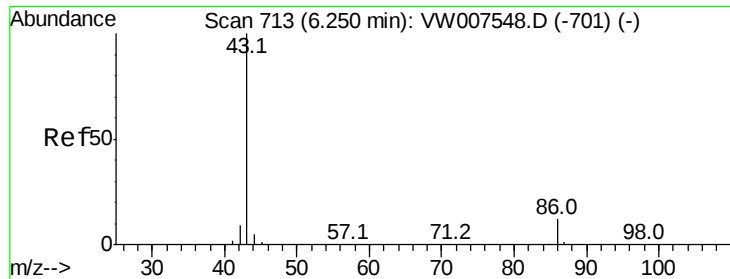
87 31.8 24.3 36.5

59 11.6 9.4 14.0



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





#23

Vinyl Acetate

Concen: 95.788 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

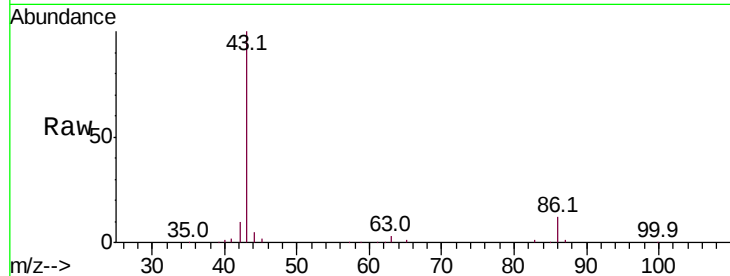
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 114097

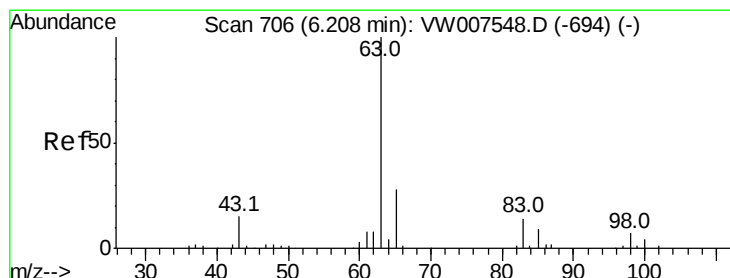
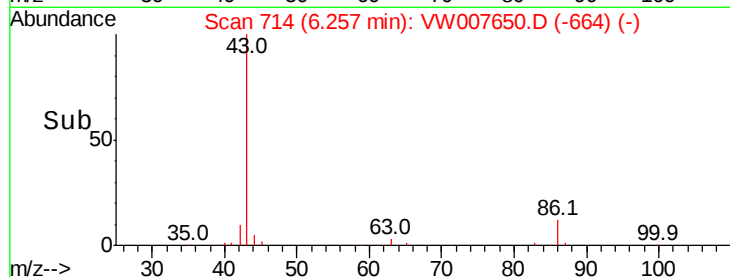
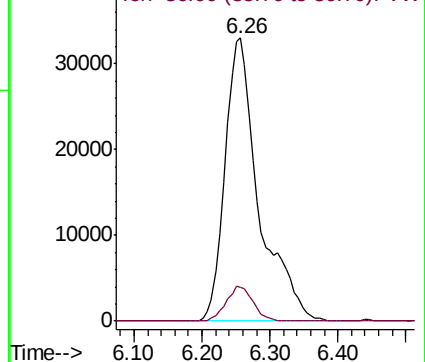
Ion Ratio Lower Upper

43 100

86 11.8 8.6 12.8



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



#24

1,1-Dichloroethane

Concen: 21.076 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

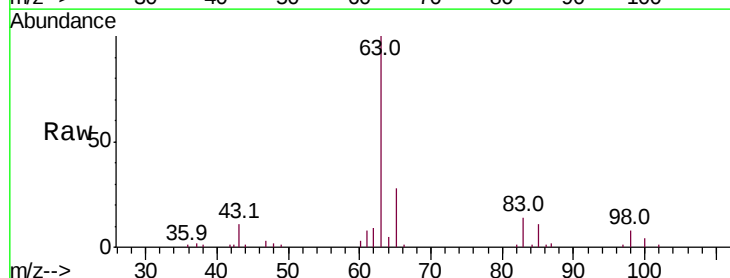
Tgt Ion: 63 Resp: 30334

Ion Ratio Lower Upper

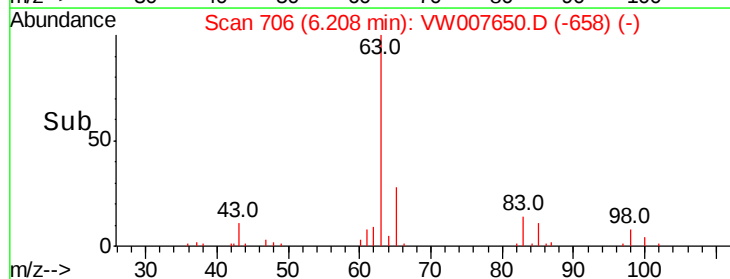
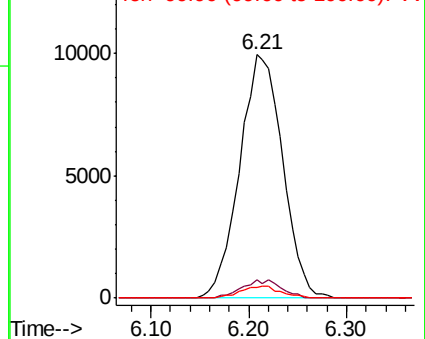
63 100

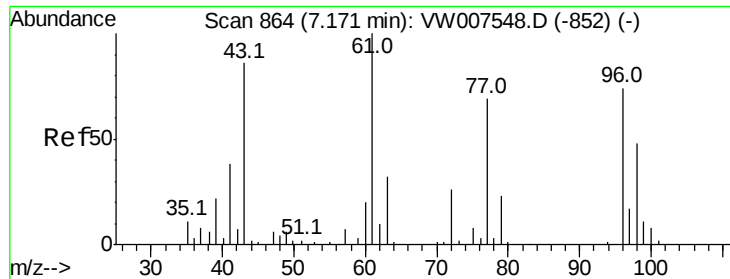
98 7.6 3.5 10.4

100 4.4 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: 94.945 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

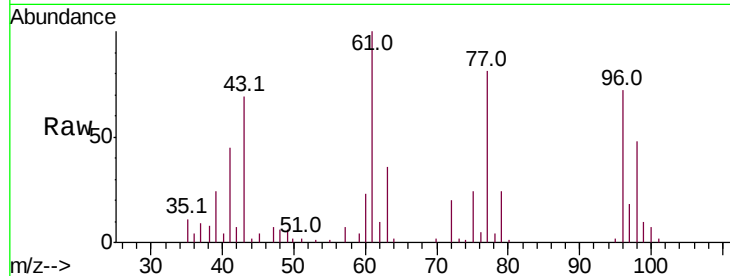
ClientSampled :

Tot Ion: 43 Resp: 18404

Ion Ratio Lower Upper

43 100

72 29.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

8000

6000

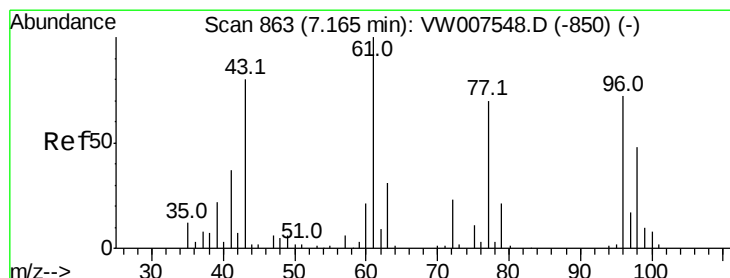
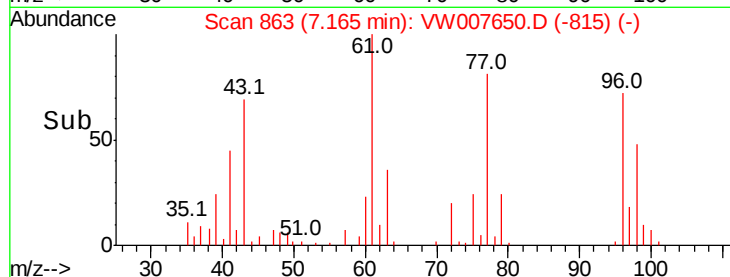
4000

2000

0

7.05 7.10 7.15 7.20 7.25

Time-->



#26

2,2-Dichloropropane

Concen: 24.193 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007650.D

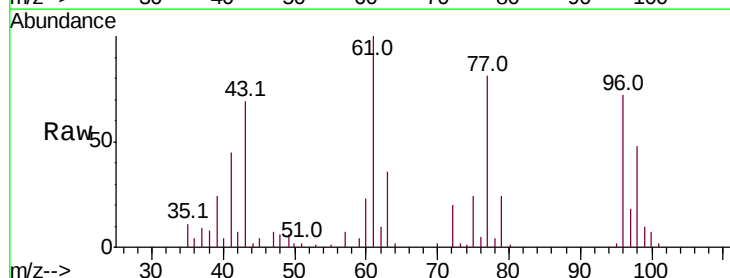
Acq: 18 Dec 2018 11:41

Tgt Ion: 77 Resp: 23045

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

8000

6000

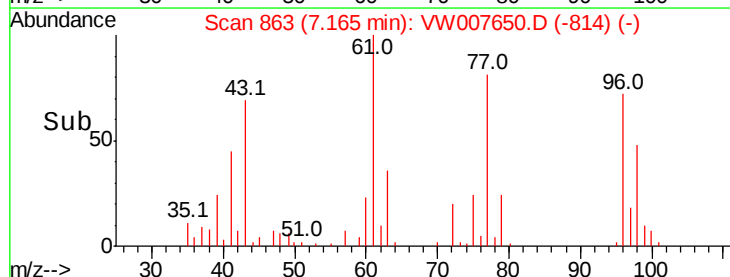
4000

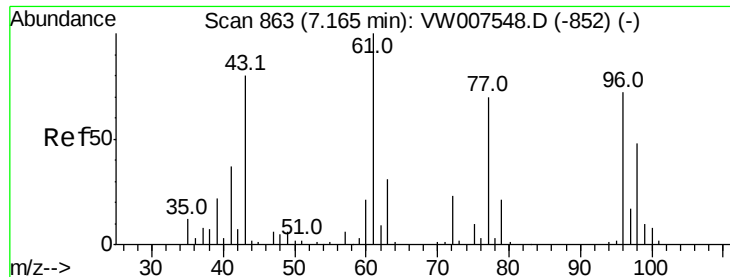
2000

0

7.10 7.20

Time-->



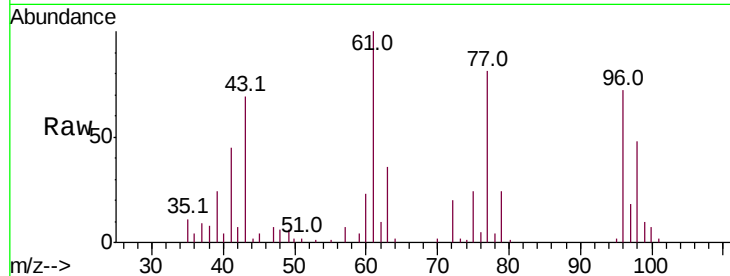


#27

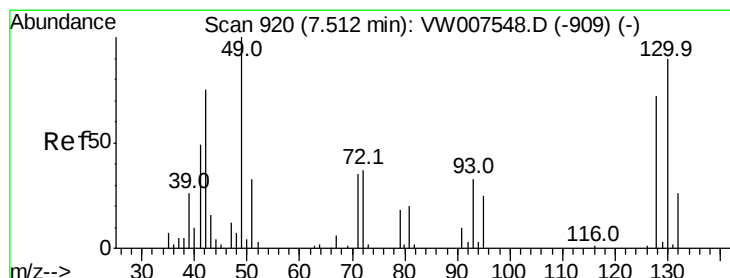
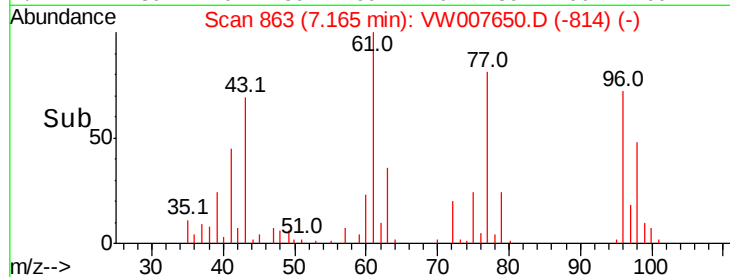
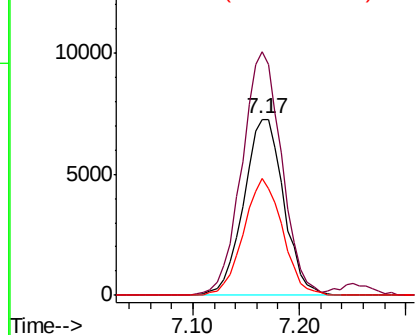
cis-1,2-Dichloroethene
 Concen: 20.835 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	96	Resp	19182
Ion Ratio	Lower	Upper	
96	100		
61	137.9	0.0	268.4
98	64.6	0.0	127.8



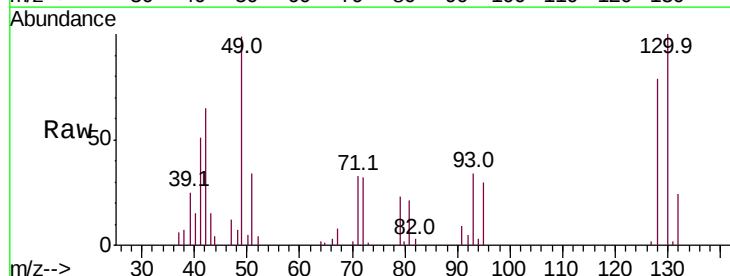
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



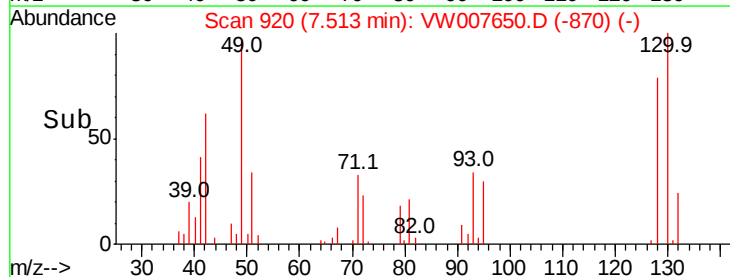
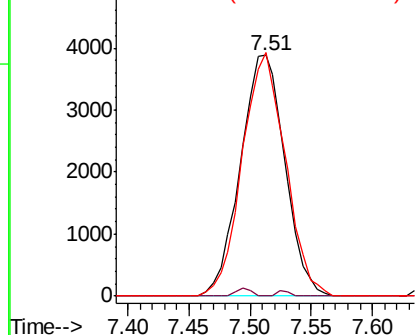
#28

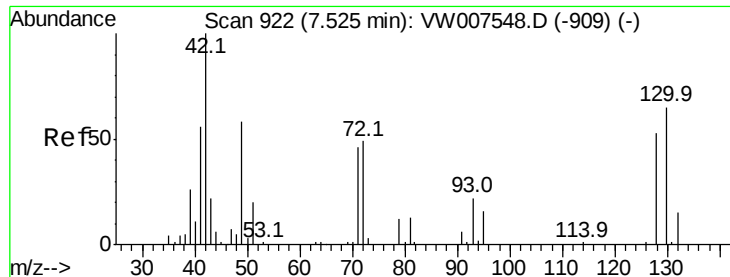
Bromochloromethane
 Concen: 18.067 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion	49	Resp	9781
Ion Ratio	Lower	Upper	
49	100		
129	0.6	0.0	2.6
130	98.2	75.9	113.9



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





#29

Tetrahydrofuran

Concen: 84.319 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

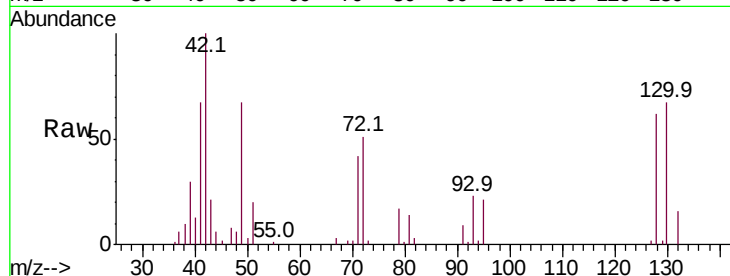
Tot Ion: 42 Resp: 10347

Ion Ratio Lower Upper

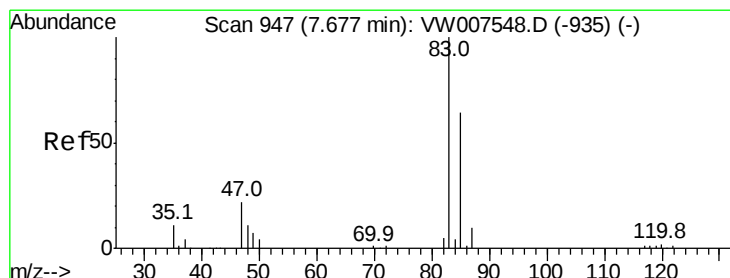
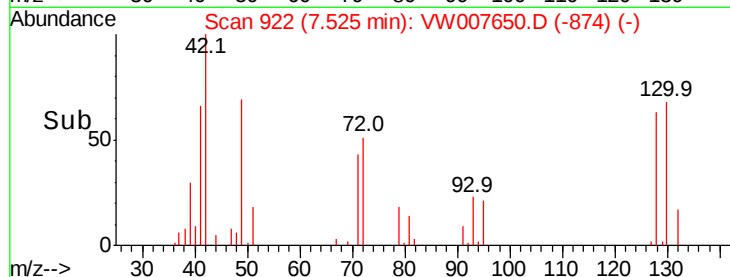
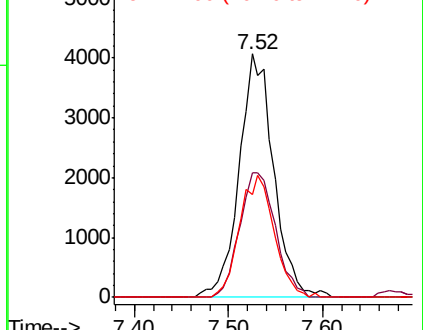
42 100

72 53.3 38.2 57.4

71 50.5 35.5 53.3



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



#30

Chloroform

Concen: 21.022 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW007650.D

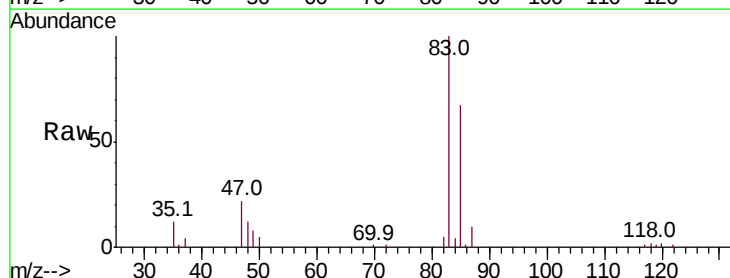
Acq: 18 Dec 2018 11:41

Tgt Ion: 83 Resp: 32926

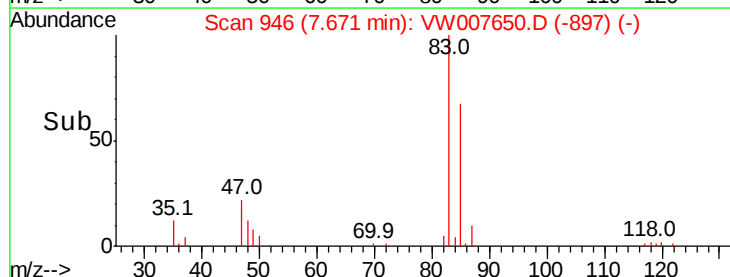
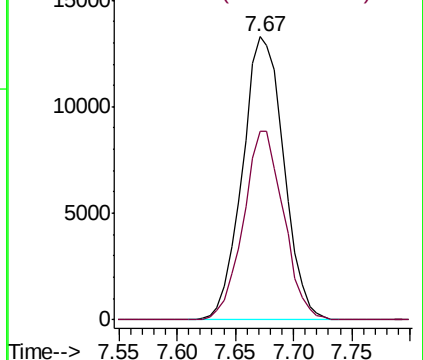
Ion Ratio Lower Upper

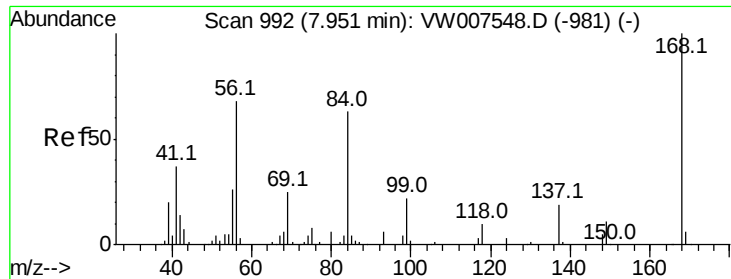
83 100

85 66.8 51.8 77.8



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

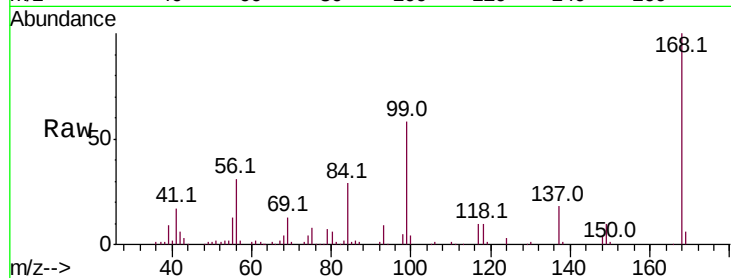




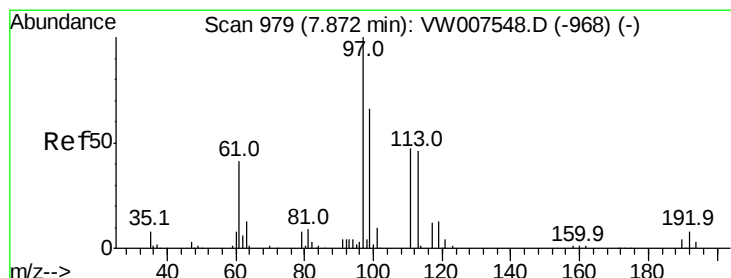
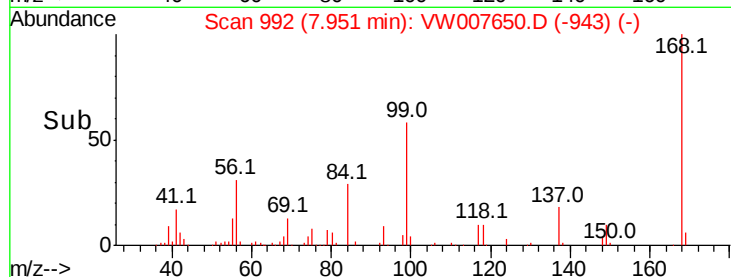
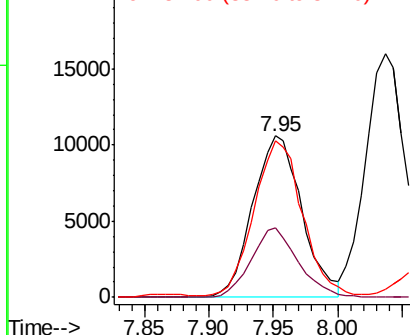
#31
Cyclohexane
Concen: 21.235 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 28041
Ion Ratio Lower Upper
56 100
69 43.0 28.9 43.3
84 95.1 71.8 107.6

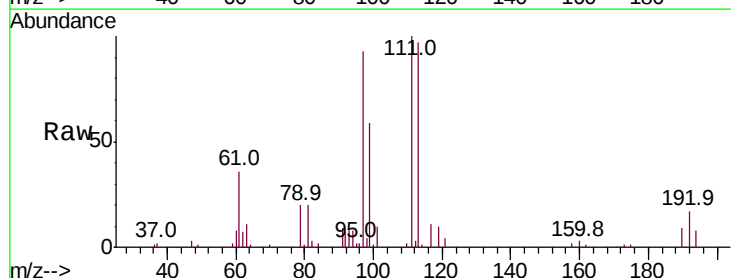


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

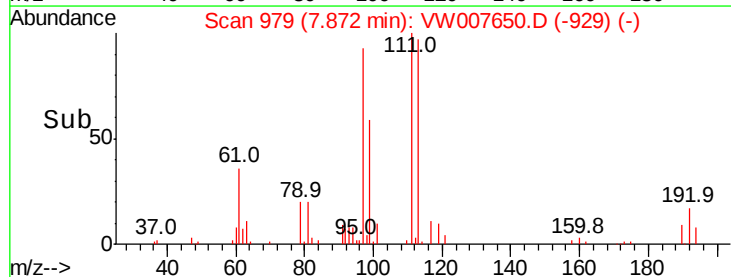
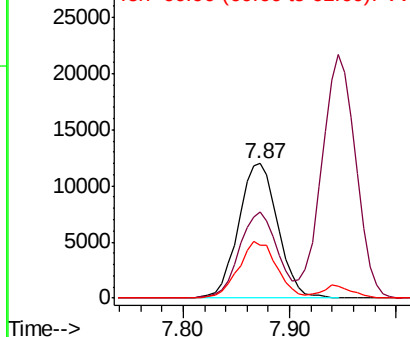


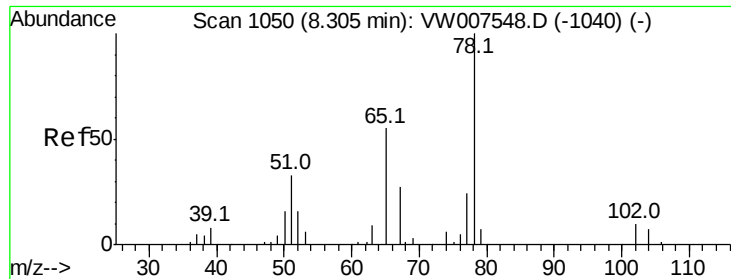
#32
1,1,1-Trichloroethane
Concen: 22.593 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion: 97 Resp: 31032
Ion Ratio Lower Upper
97 100
99 61.6 51.1 76.7
61 41.1 33.2 49.8



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

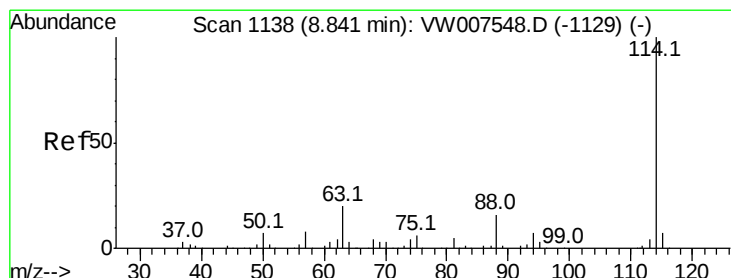
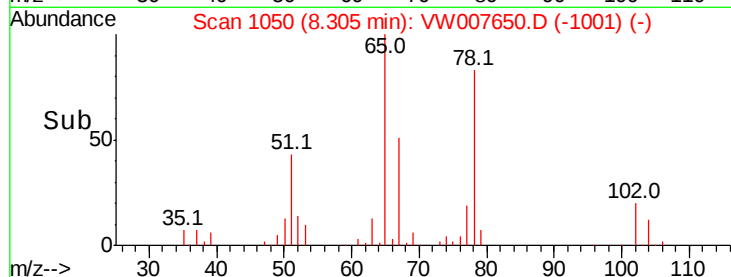
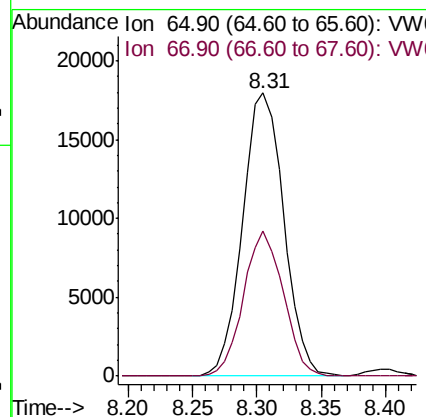
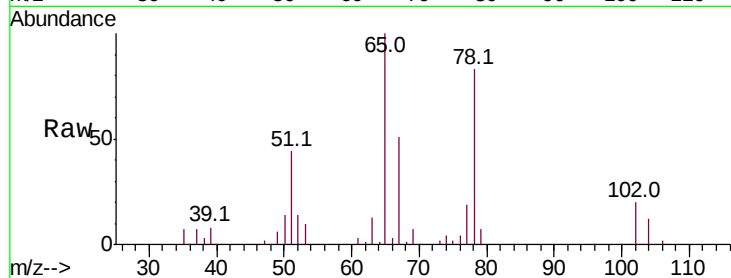




#33
 1,2-Dichloroethane-d4
 Concen: 46.837 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

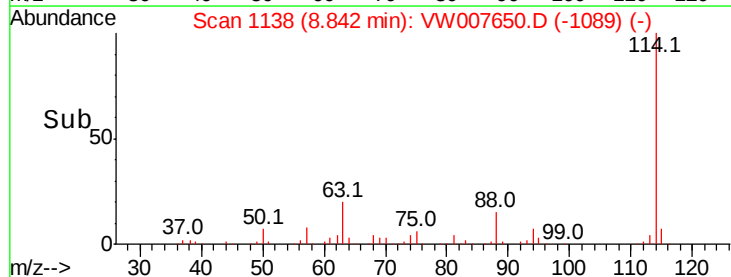
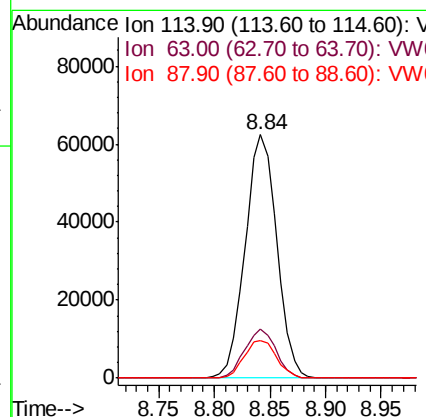
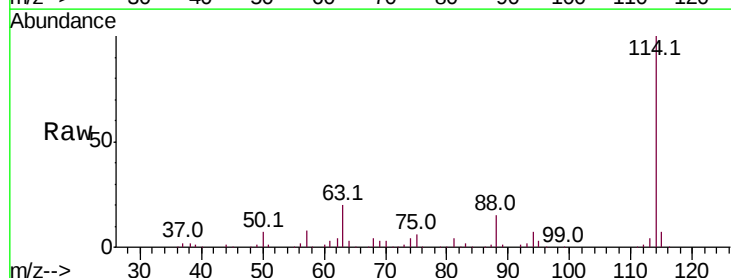
Instrument :
 MSVOA_W
 ClientSampleId :

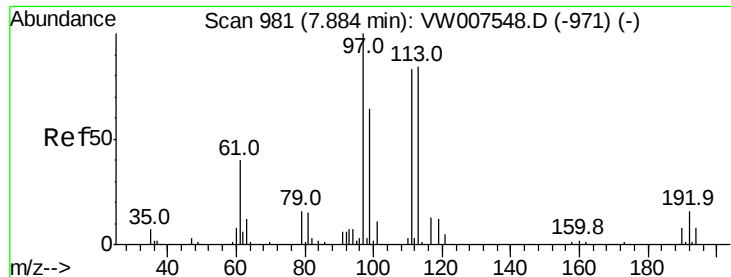
Tot Ion: 65 Resp: 39814
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion: 114 Resp: 123197
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.3 0.0 31.4

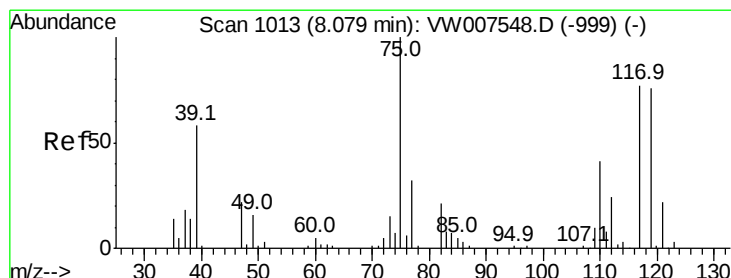
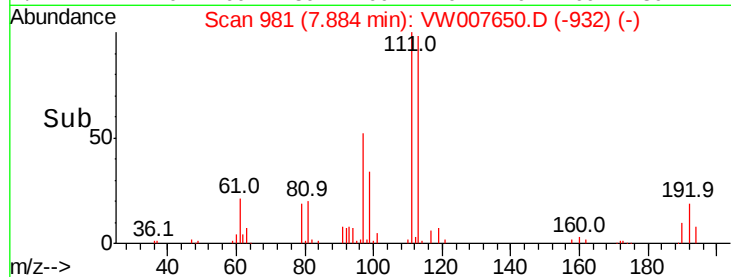
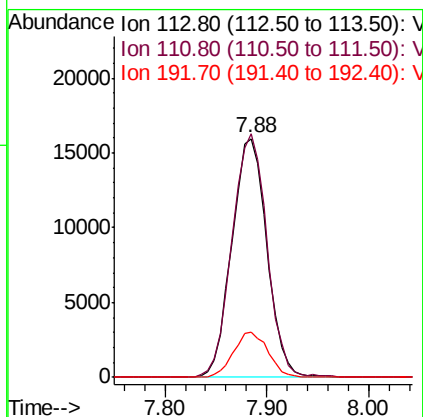
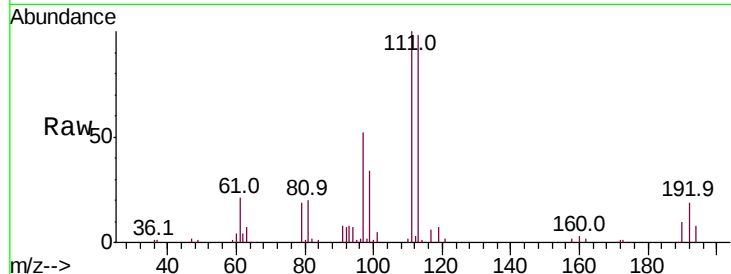




#35
 Dibromofluoromethane
 Concen: 51.024 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

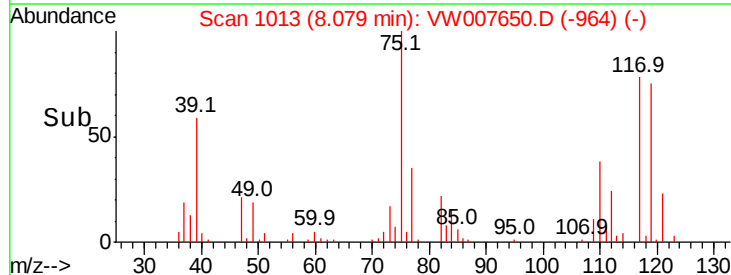
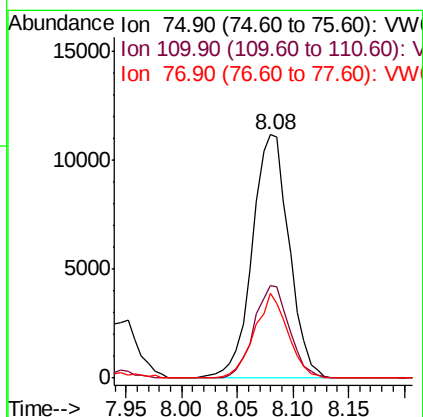
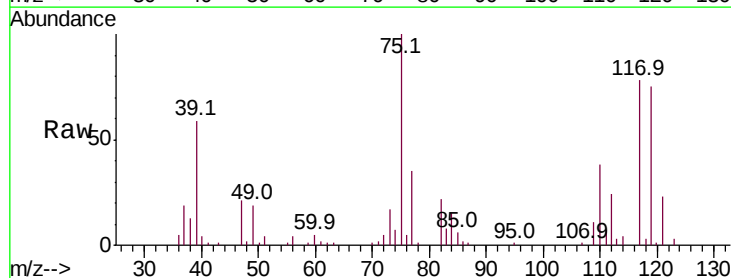
Instrument :
 MSVOA_W
 ClientSampleId :

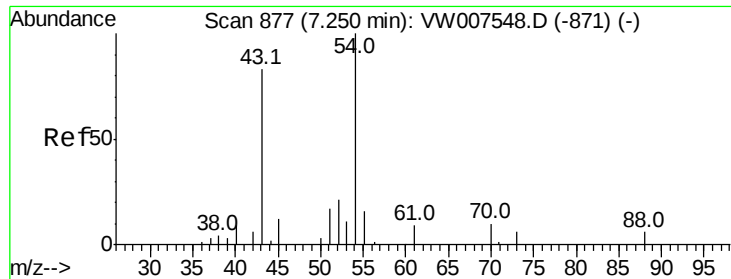
Tot Ion:113 Resp: 38052
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.1 121.7
 192 18.7 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 22.993 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion: 75 Resp: 25841
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.5 55.5
 77 31.6 25.6 38.4

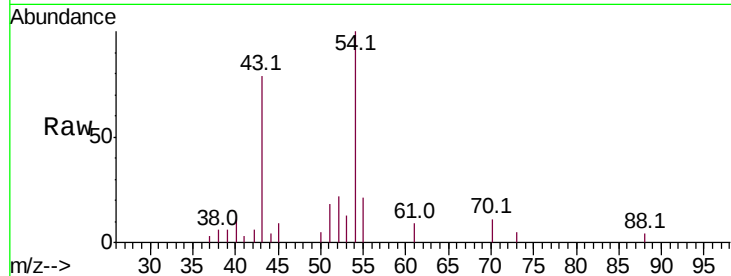




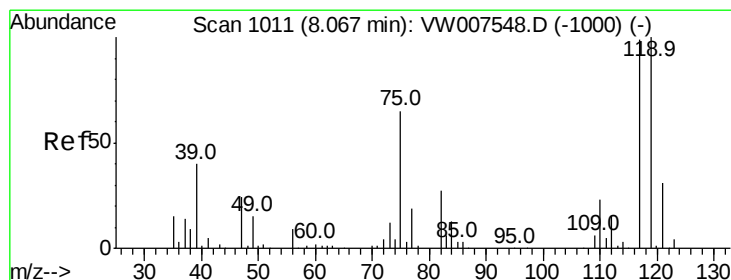
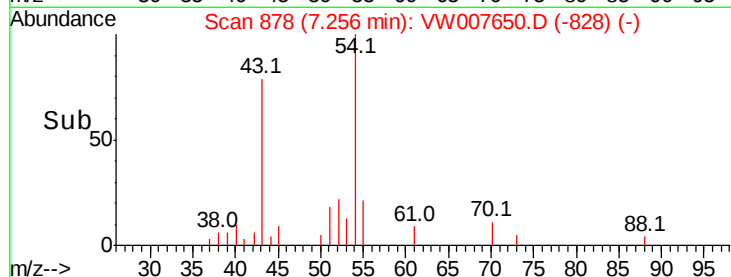
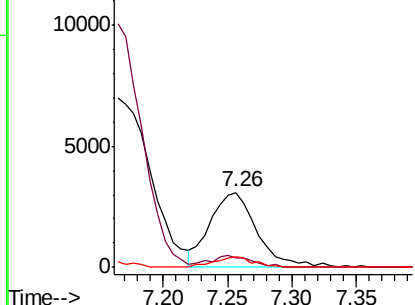
#37
Ethyl Acetate
Concen: 18.897 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 7899
Ion Ratio Lower Upper
43 100
61 13.3 12.1 18.1
70 11.6 10.0 15.0

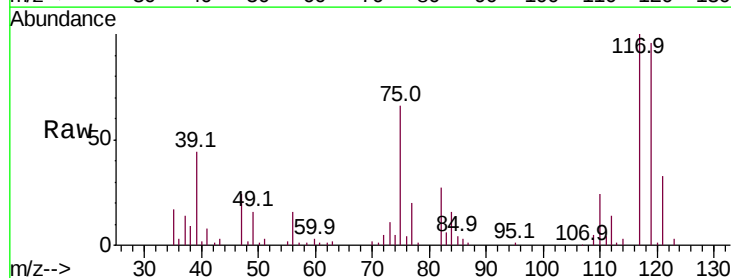


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

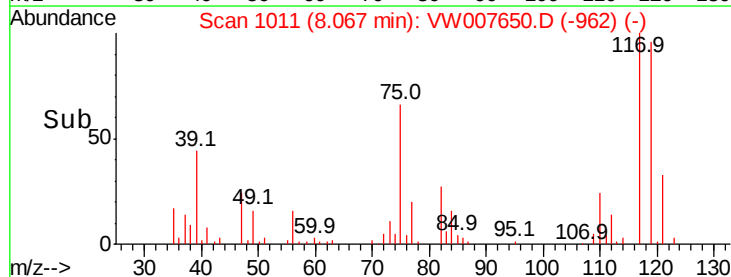
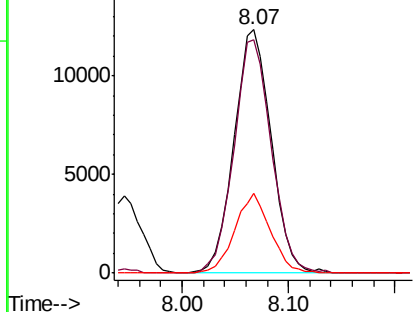


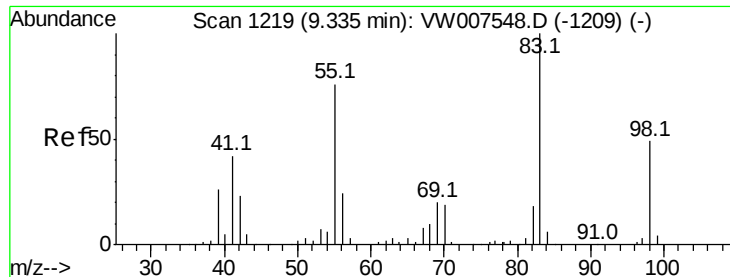
#38
Carbon Tetrachloride
Concen: 24.668 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion: 117 Resp: 30165
Ion Ratio Lower Upper
117 100
119 95.8 74.3 111.5
121 33.0 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

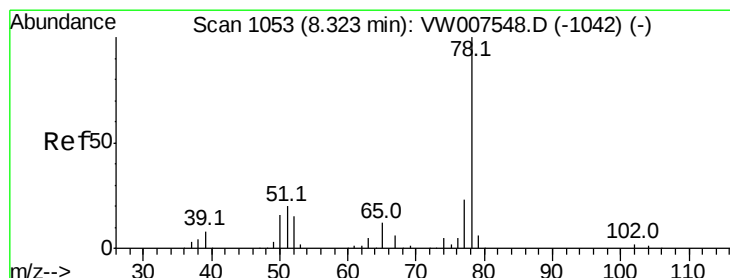
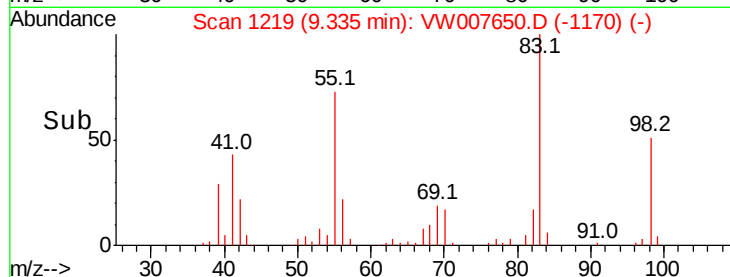
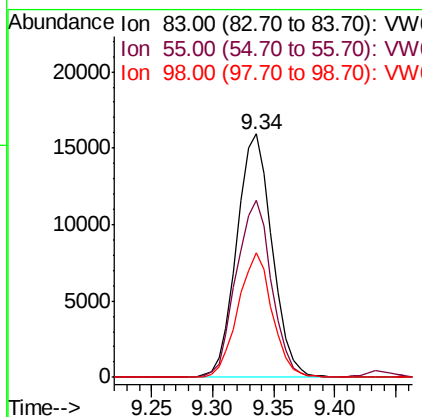
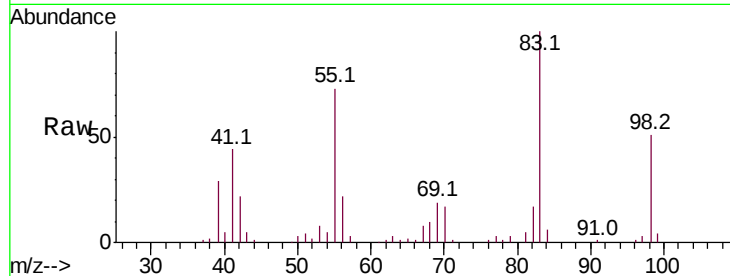




#39
Methvlcvclohexane
Concen: 23.504 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

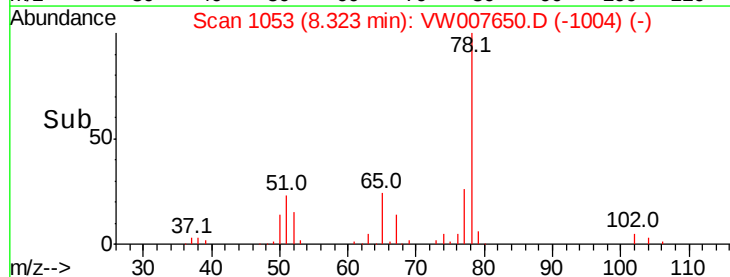
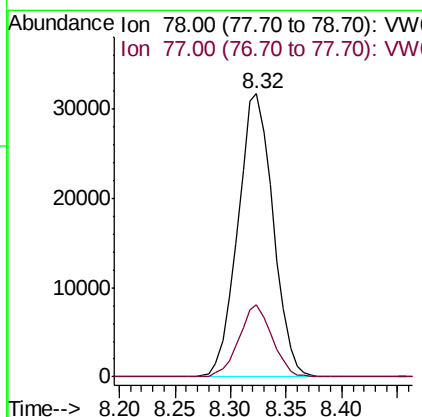
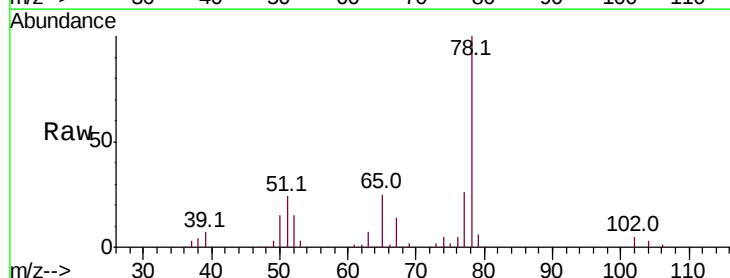
Instrument :
MSVOA_W
ClientSampled :

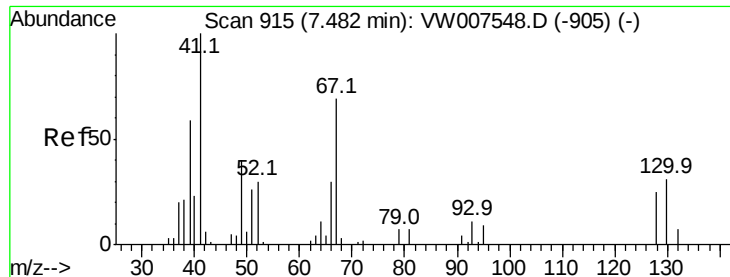
Tot Ion: 83 Resp: 31986
Ion Ratio Lower Upper
83 100
55 72.8 62.8 94.2
98 51.1 42.2 63.2



#40
Benzene
Concen: 22.361 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion: 78 Resp: 69742
Ion Ratio Lower Upper
78 100
77 25.5 18.8 28.2





#41

Methacrylonitrile

Concen: 19.913 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 4740

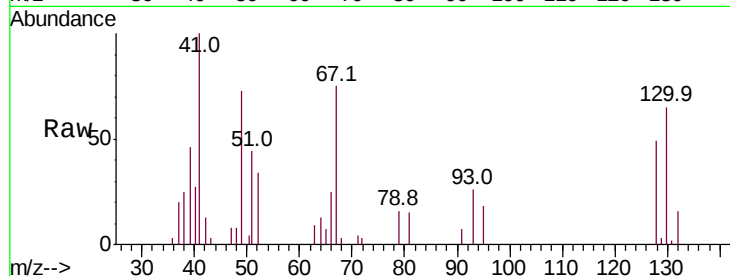
Ion Ratio Lower Upper

41 100

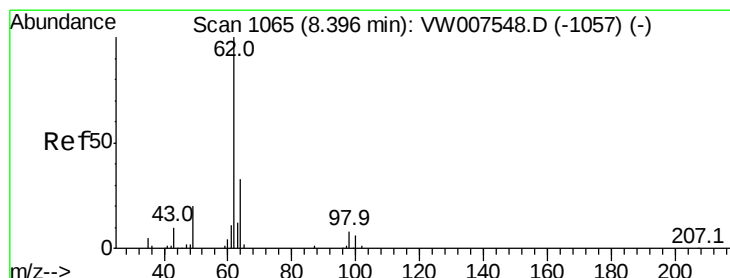
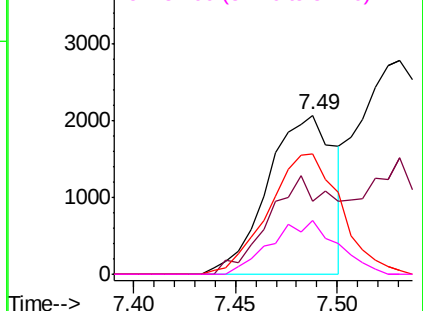
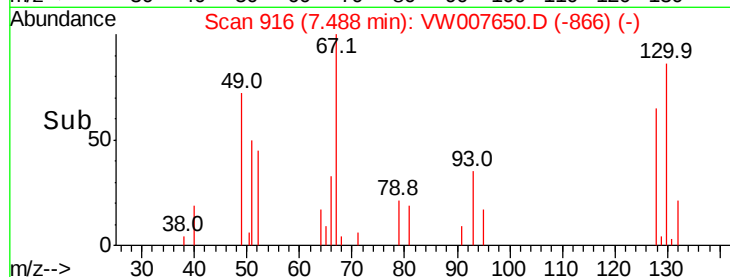
39 58.2 52.2 78.2

67 81.4 60.5 90.7

52 33.2 25.3 37.9



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



#42

1,2-Dichloroethane

Concen: 22.083 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007650.D

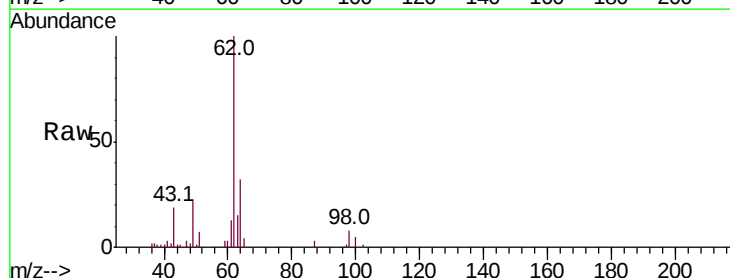
Acq: 18 Dec 2018 11:41

Tgt Ion: 62 Resp: 21635

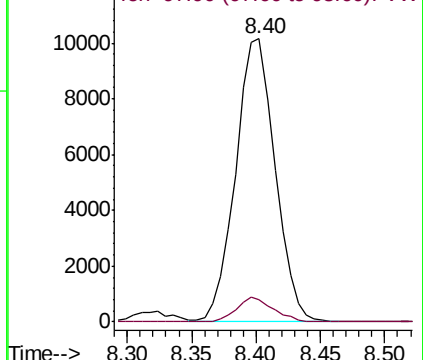
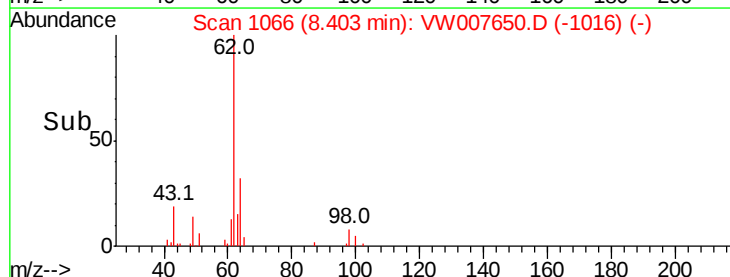
Ion Ratio Lower Upper

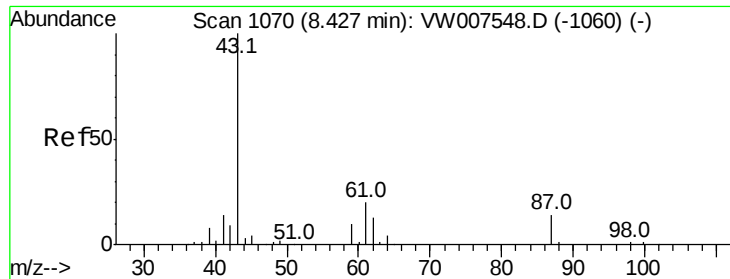
62 100

98 8.1 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 19.012 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

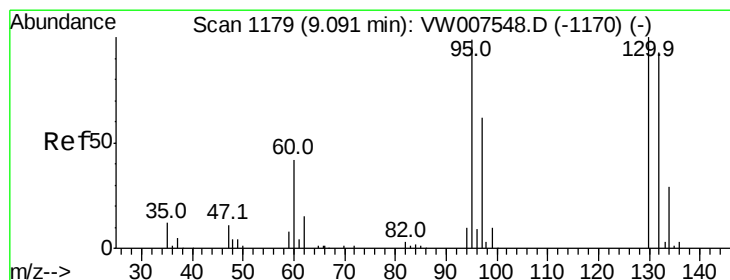
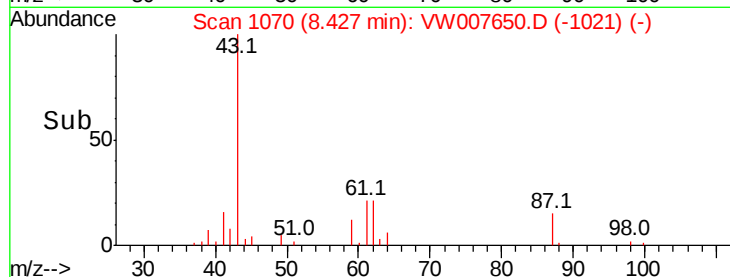
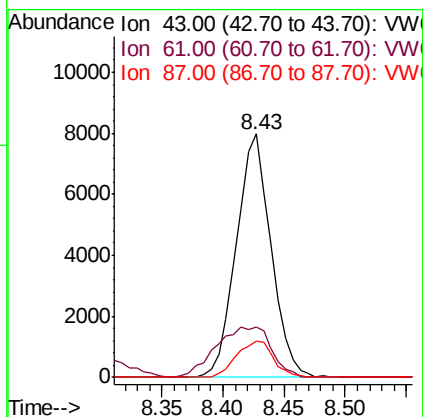
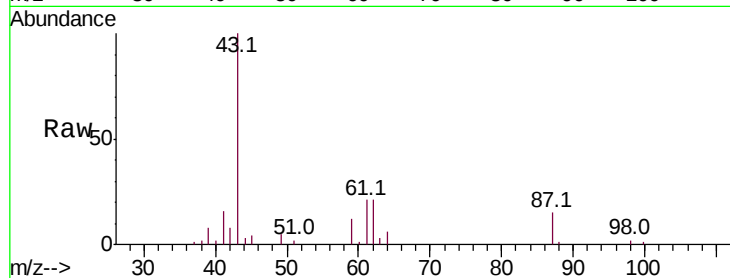
Tot Ion: 43 Resp: 15698

Ion Ratio Lower Upper

43 100

61 32.9 25.3 37.9

87 15.8 11.8 17.8



#44

Trichloroethene

Concen: 22.596 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007650.D

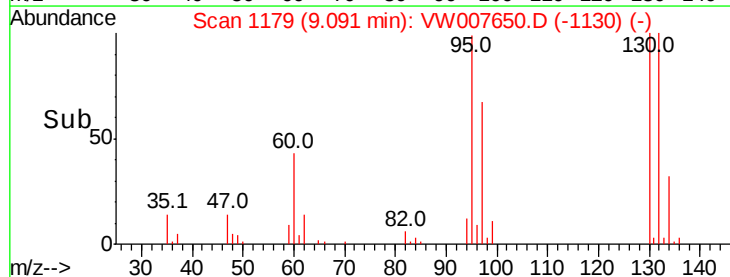
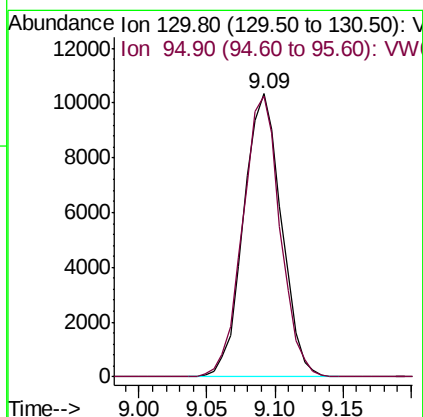
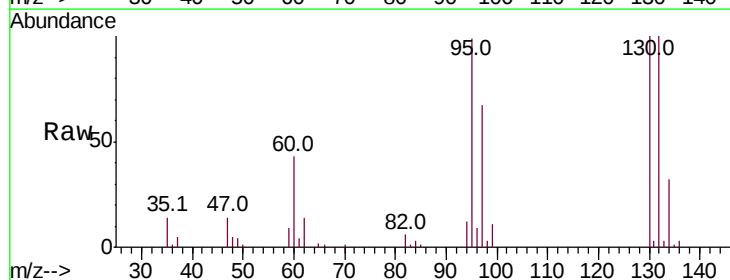
Acq: 18 Dec 2018 11:41

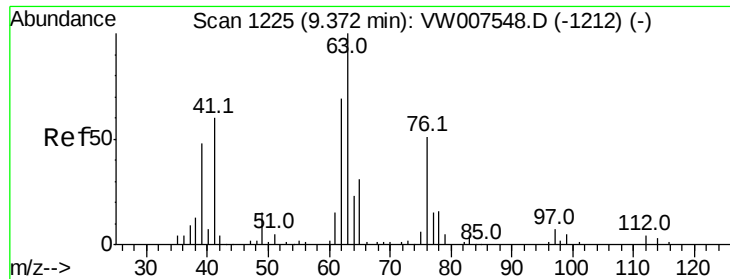
Tgt Ion:130 Resp: 20124

Ion Ratio Lower Upper

130 100

95 99.1 0.0 193.2





#45

1,2-Dichloropropane

Concen: 21.819 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

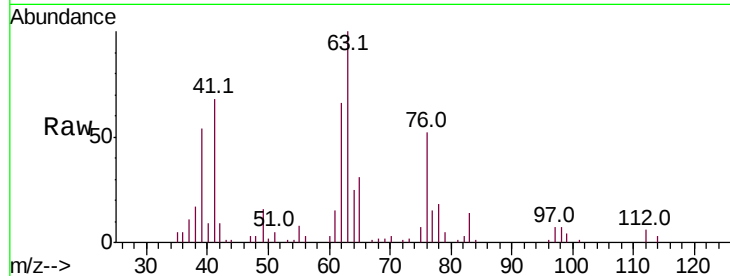
ClientSampled :

Tot Ion: 63 Resp: 15748

Ion Ratio Lower Upper

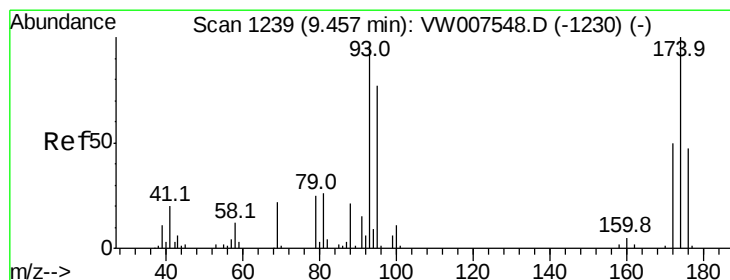
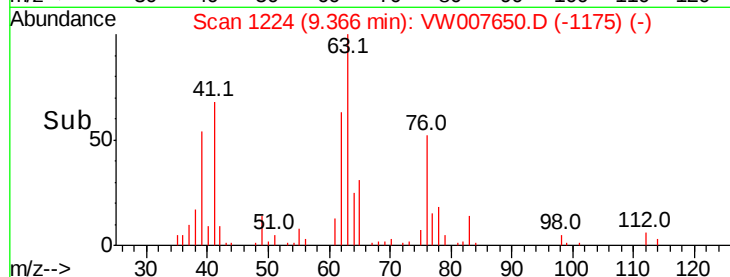
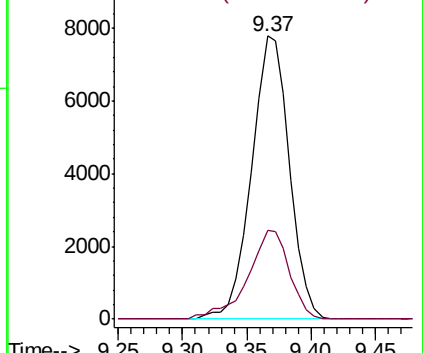
63 100

65 31.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.646 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

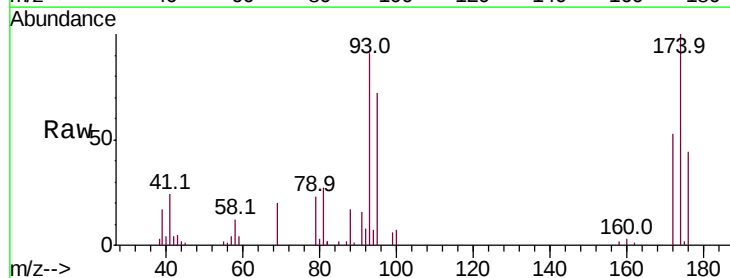
Tgt Ion: 93 Resp: 8872

Ion Ratio Lower Upper

93 100

95 81.9 68.0 102.0

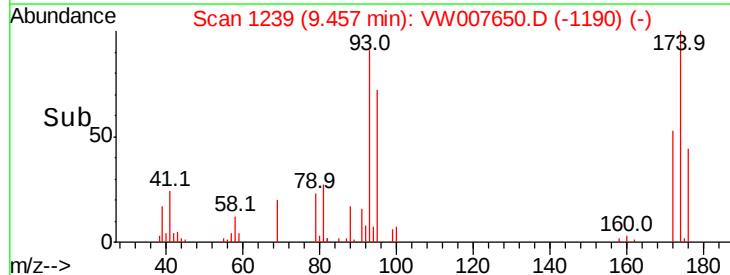
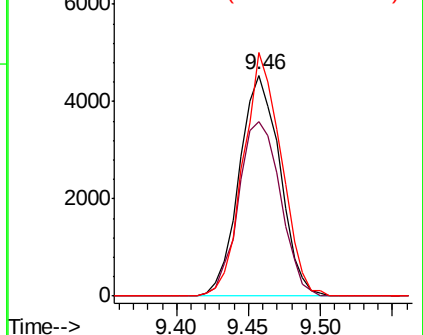
174 103.1 83.2 124.8

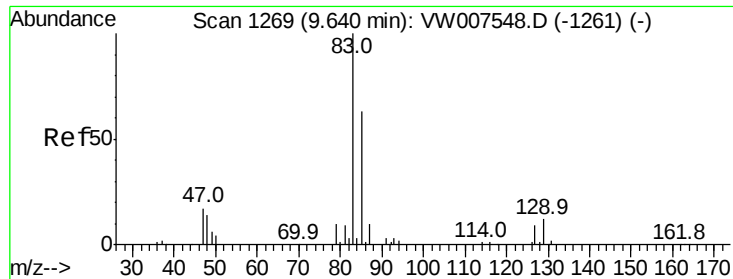


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 22.202 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

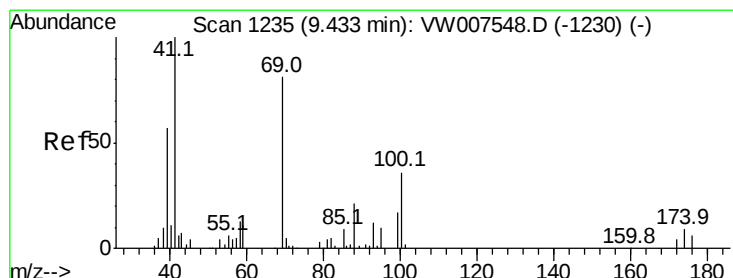
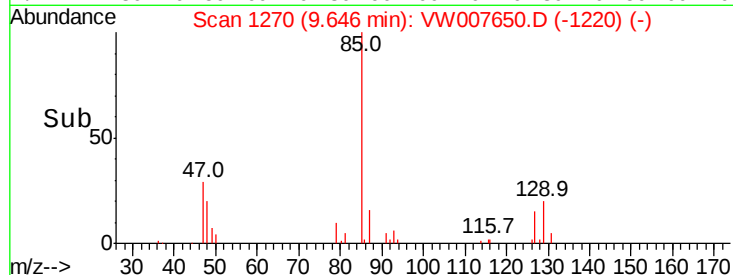
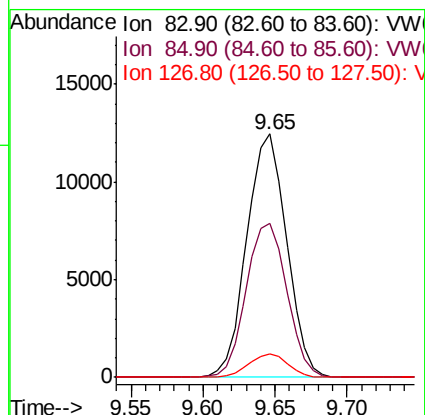
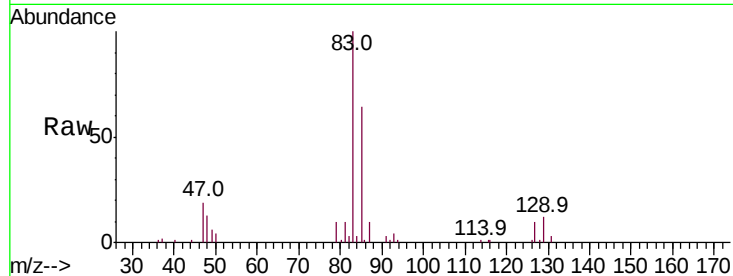
Tot Ion: 83 Resp: 23869

Ion Ratio Lower Upper

83 100

85 63.5 47.6 71.4

127 9.7 6.7 10.1



#48

Methyl methacrylate

Concen: 18.458 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

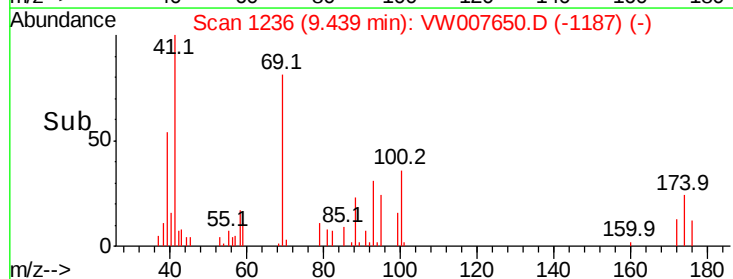
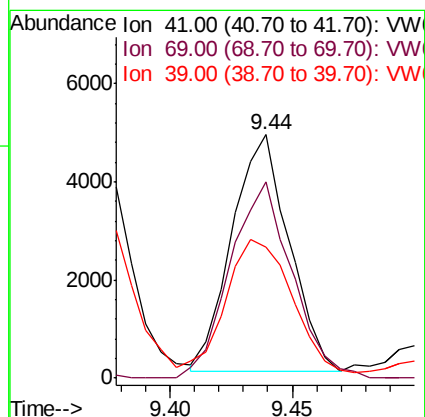
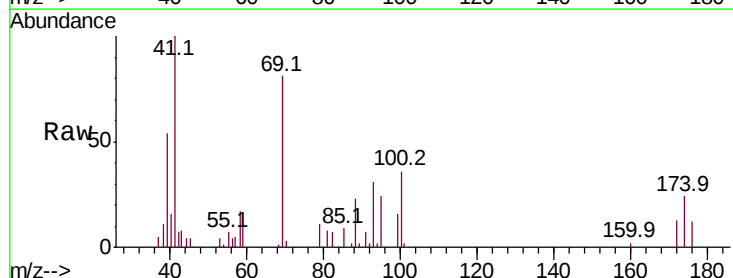
Tgt Ion: 41 Resp: 7827

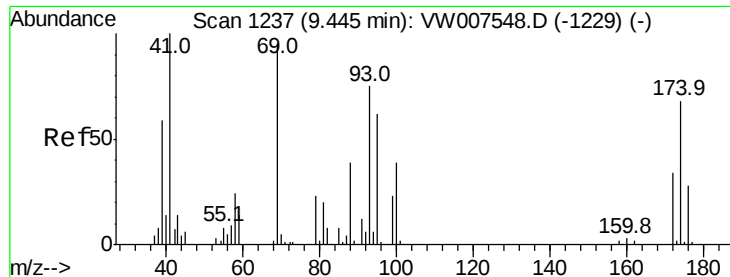
Ion Ratio Lower Upper

41 100

69 90.1 69.8 104.8

39 65.0 50.9 76.3





#49

1,4-Dioxane

Concen: 413.210 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampled :

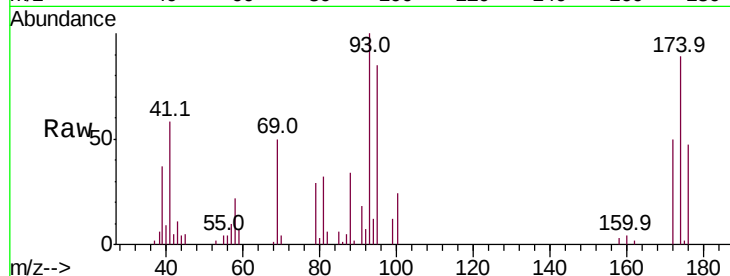
Tot Ion: 88 Resp: 2748

Ion Ratio Lower Upper

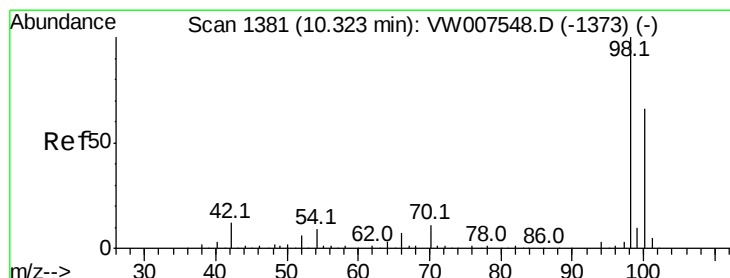
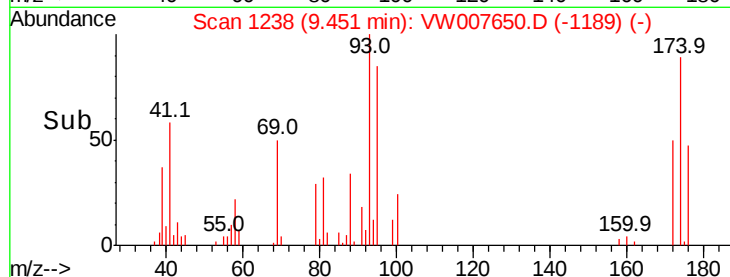
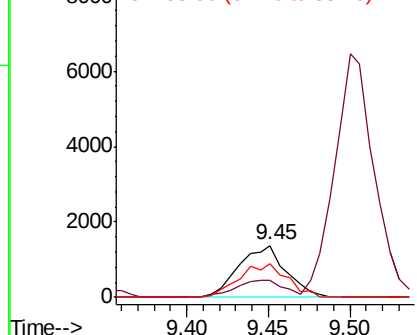
88 100

43 34.7 25.0 37.4

58 65.5 51.4 77.2



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



#50

Toluene-d8

Concen: 51.475 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007650.D

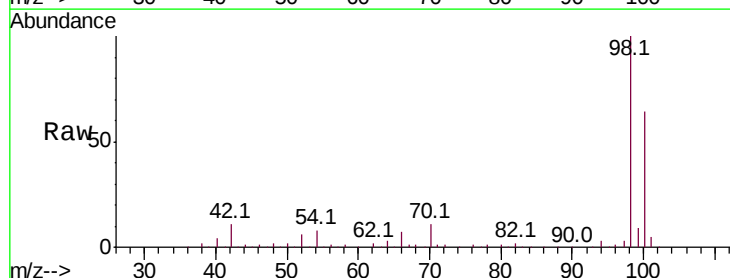
Acq: 18 Dec 2018 11:41

Tgt Ion: 98 Resp: 143934

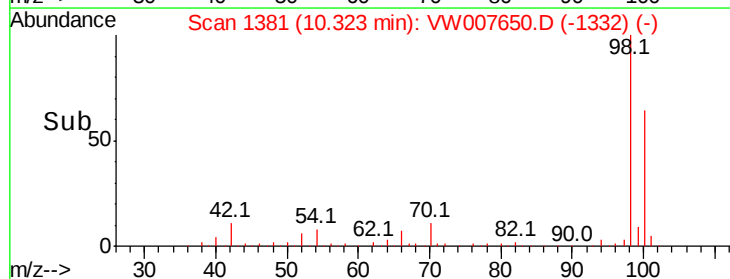
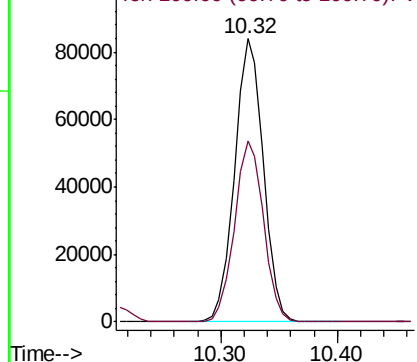
Ion Ratio Lower Upper

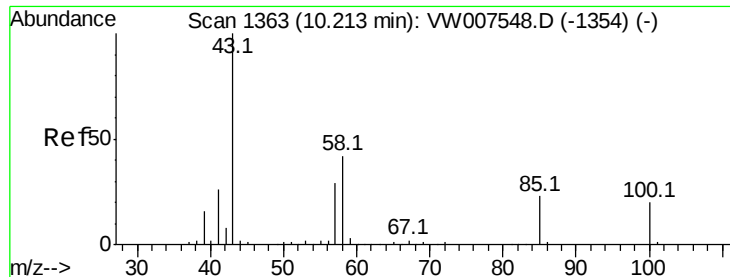
98 100

100 64.8 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 93.458 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

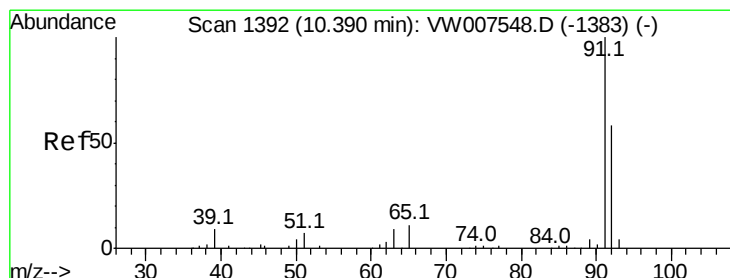
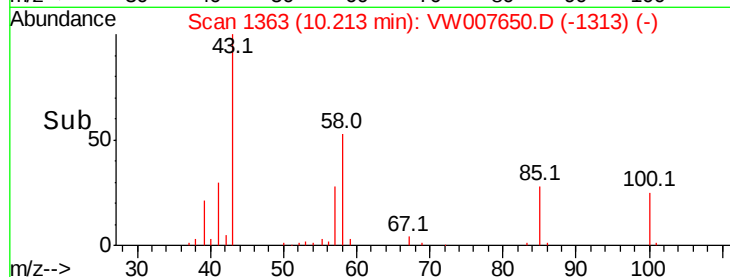
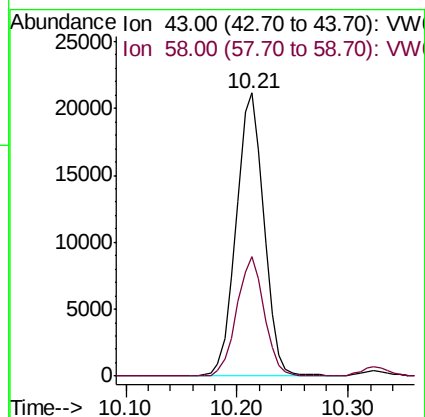
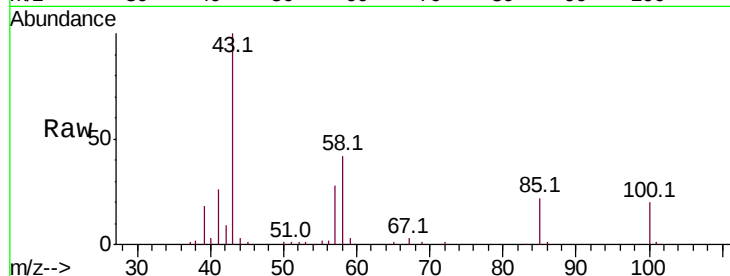
ClientSampled :

Tot Ion: 43 Resp: 36461

Ion Ratio Lower Upper

43 100

58 41.8 33.1 49.7



#52

Toluene

Concen: 23.037 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007650.D

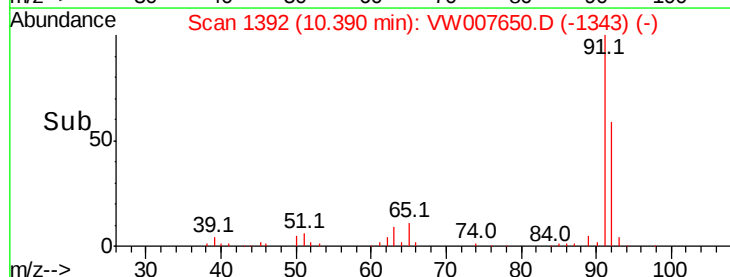
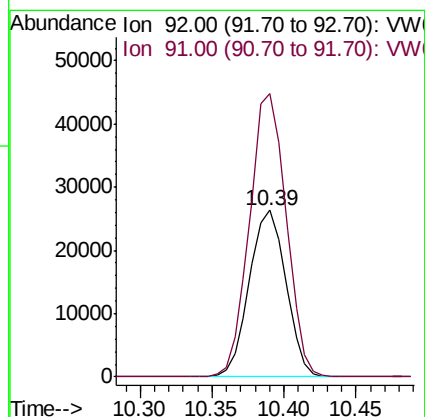
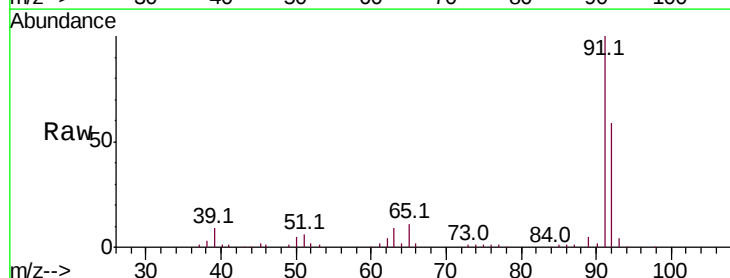
Acq: 18 Dec 2018 11:41

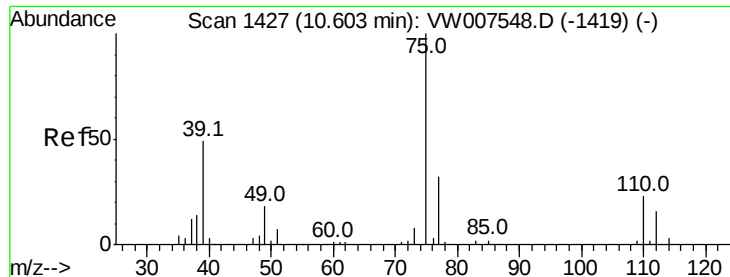
Tgt Ion: 92 Resp: 46498

Ion Ratio Lower Upper

92 100

91 169.8 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 22.086 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

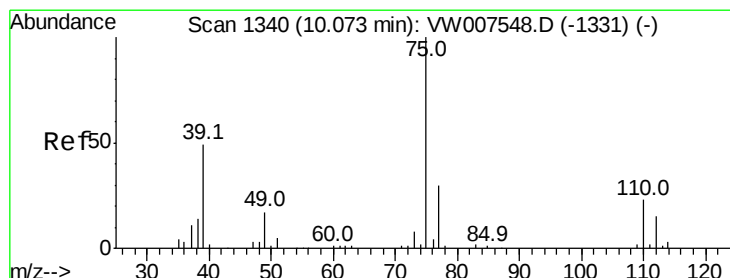
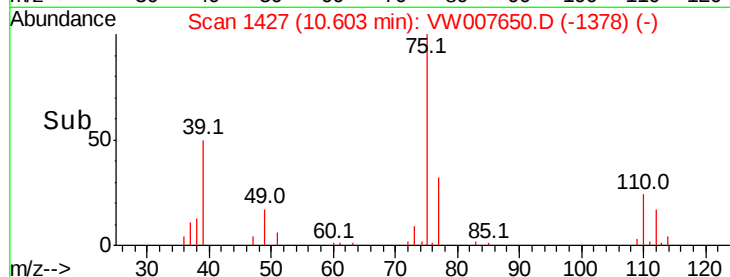
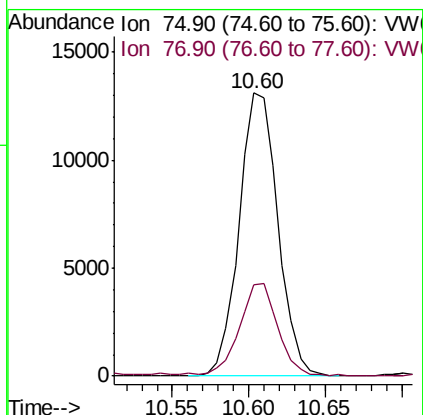
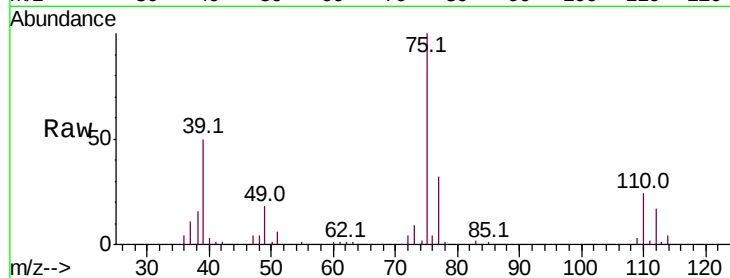
ClientSampled :

Tot Ion: 75 Resp: 23052

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 21.696 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

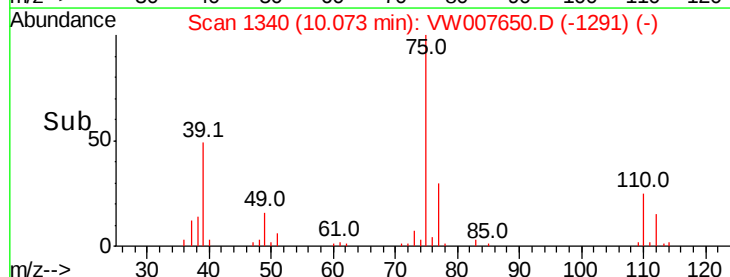
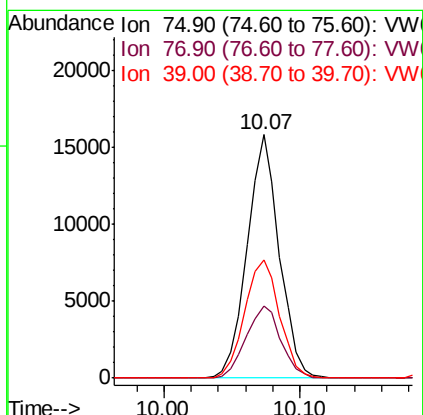
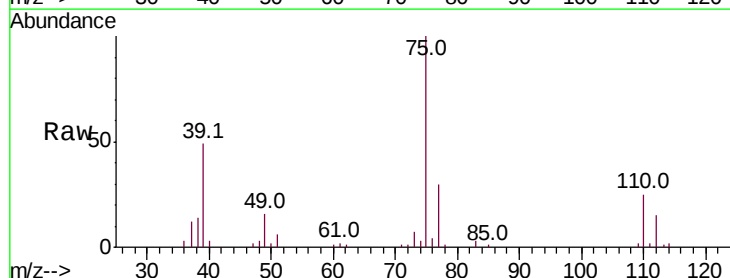
Tgt Ion: 75 Resp: 26178

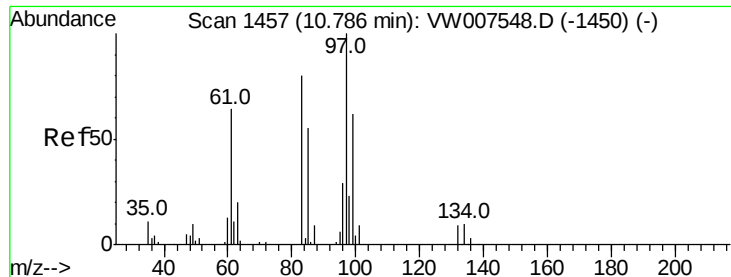
Ion Ratio Lower Upper

75 100

77 29.6 24.8 37.2

39 48.5 40.9 61.3

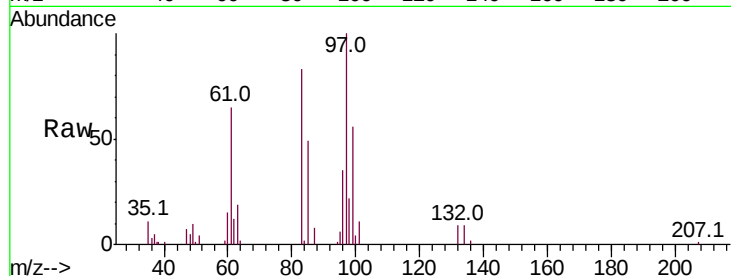




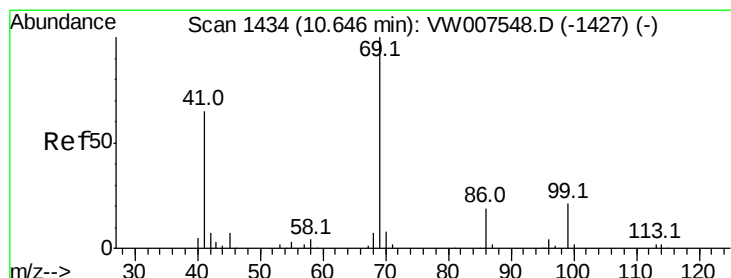
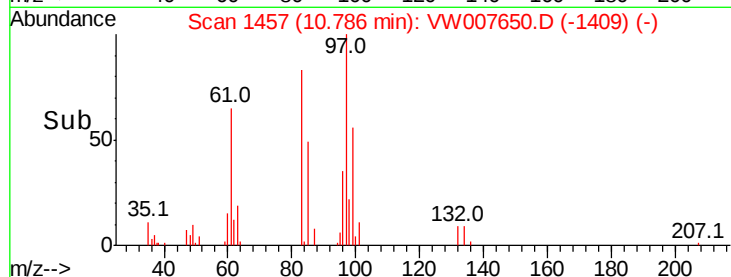
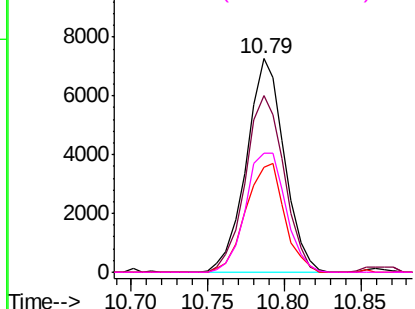
#55
 1,1,2-Trichloroethane
 Concen: 22.462 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	97	Resp:	12530
Ion	Ratio	Lower	Upper
97	100		
83	83.0	62.1	93.1
85	49.2	44.2	66.4
99	55.5	50.2	75.4

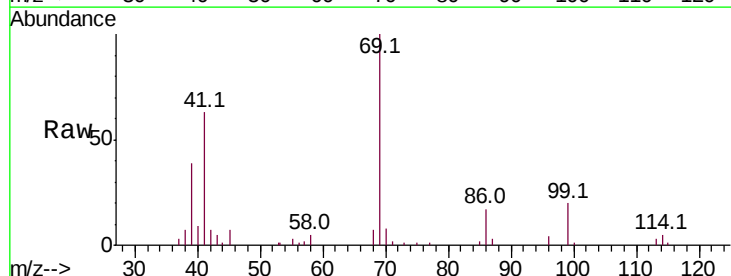


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

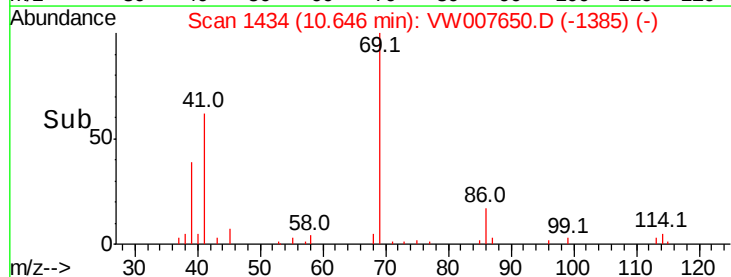
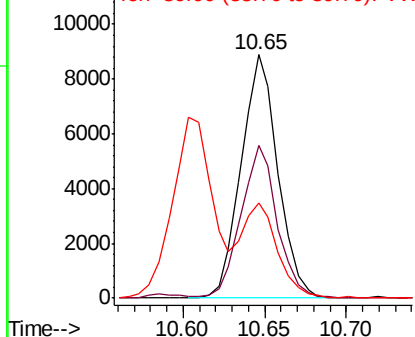


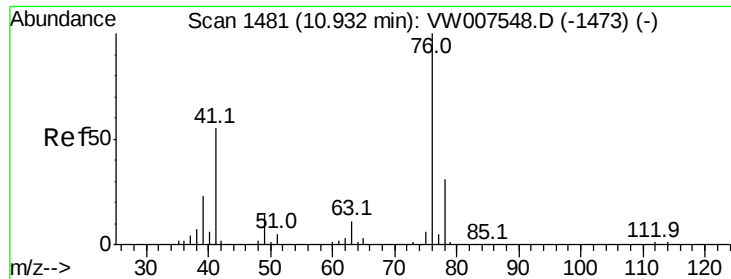
#56
 Ethyl methacrylate
 Concen: 20.740 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion:	69	Resp:	13906
Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.0	76.6
39	38.4	30.8	46.2



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

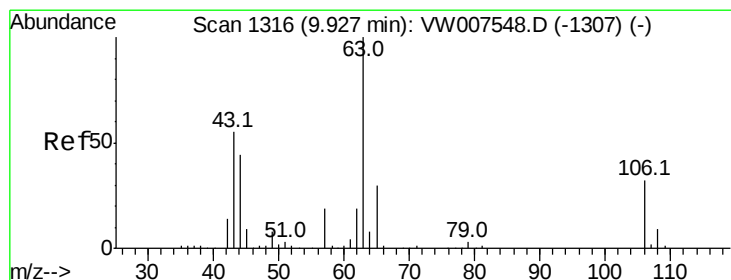
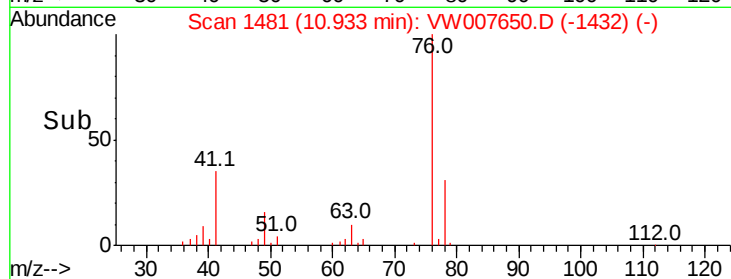
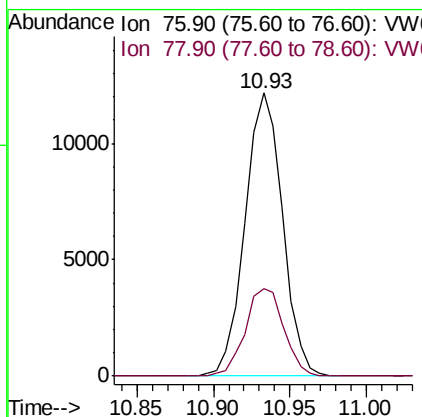
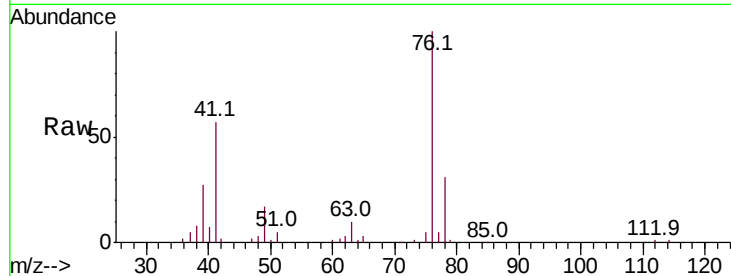




#57
 1,3-Dichloropropane
 Concen: 22.632 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

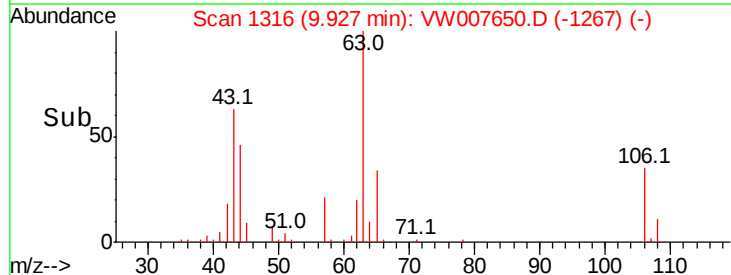
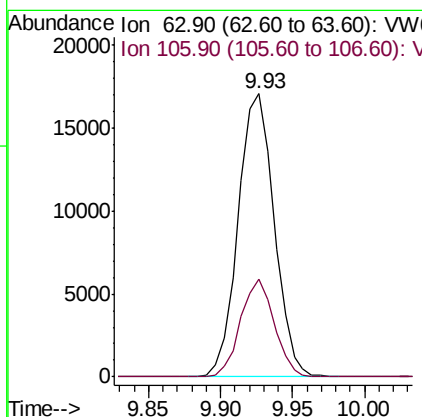
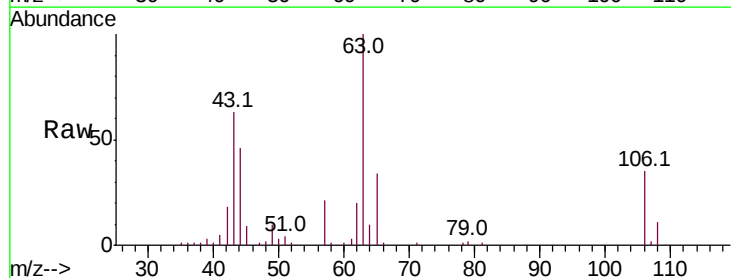
Instrument :
 MSVOA_W
 ClientSampled :

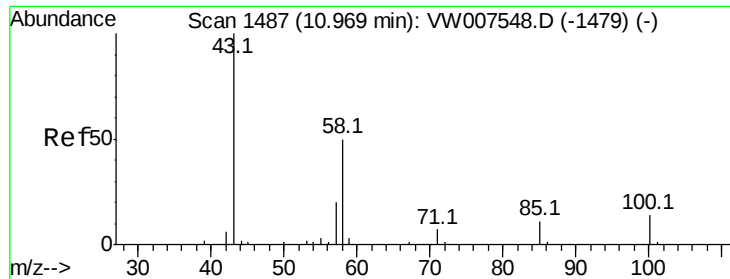
Tot Ion: 76 Resp: 20722
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.036 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion: 63 Resp: 29694
 Ion Ratio Lower Upper
 63 100
 106 32.2 25.0 37.6





#59

2-Hexanone

Concen: 101.238 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

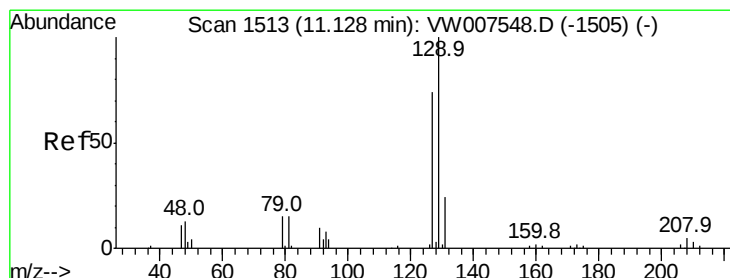
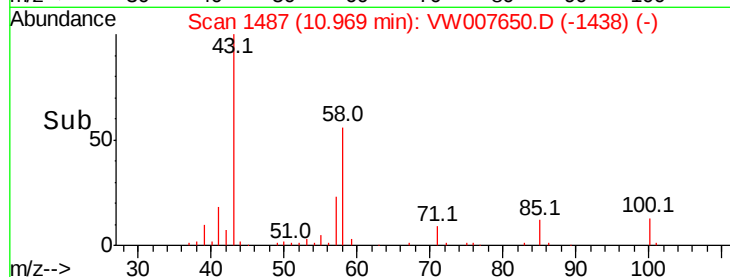
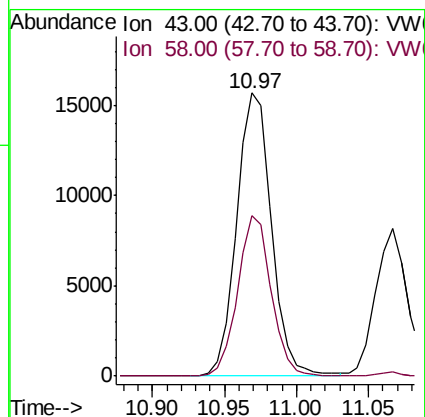
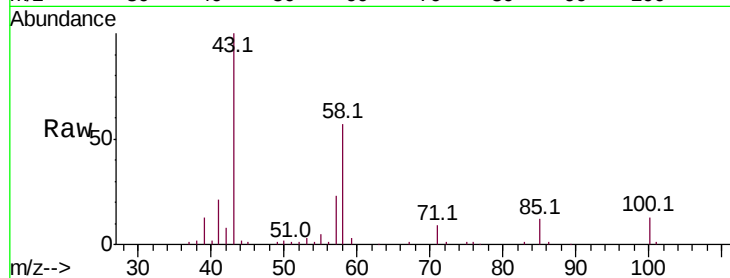
ClientSampled :

Tot Ion: 43 Resp: 26336

Ion Ratio Lower Upper

43 100

58 54.5 27.1 81.3



#60

Dibromochloromethane

Concen: 22.977 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007650.D

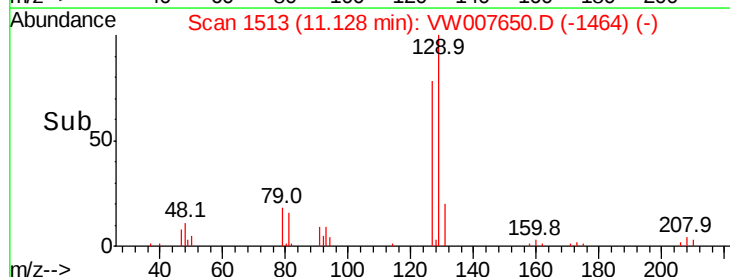
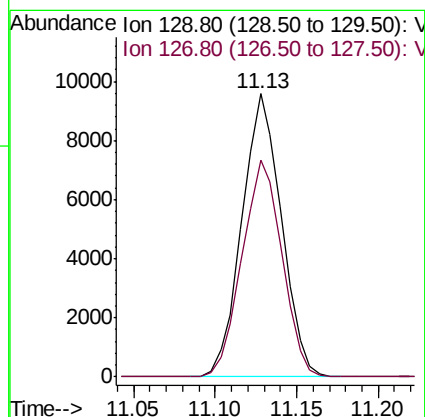
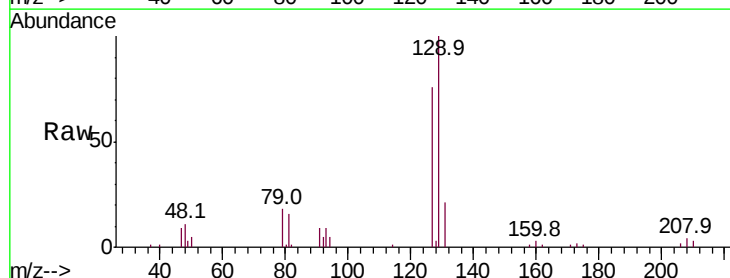
Acq: 18 Dec 2018 11:41

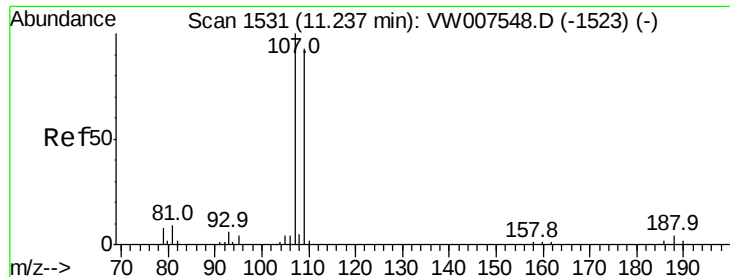
Tgt Ion: 129 Resp: 16175

Ion Ratio Lower Upper

129 100

127 77.5 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.099 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

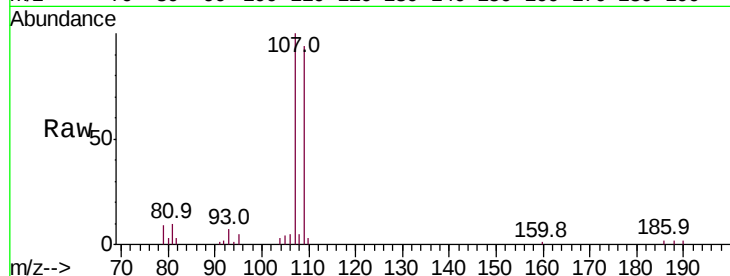
ClientSampleId :

Tot Ion:107 Resp: 11631

Ion Ratio Lower Upper

107 100

109 97.7 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8000

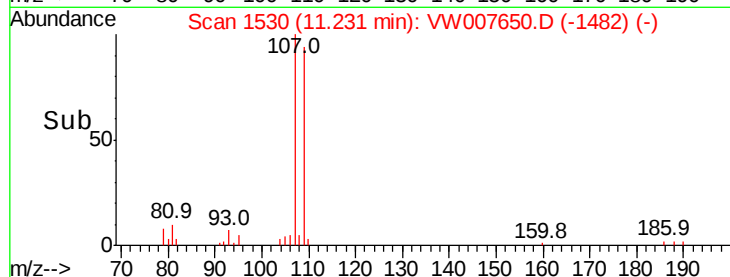
6000

4000

2000

0

Time-->

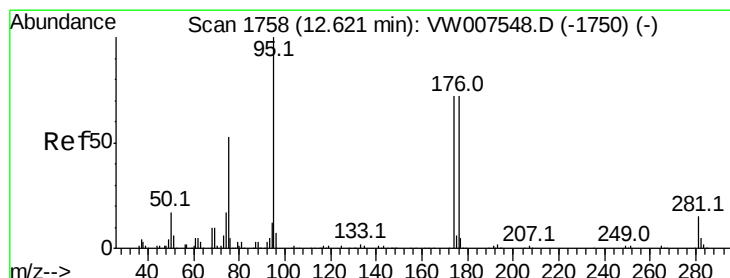


11.23

11.20

11.25

11.30



#62

4-Bromofluorobenzene

Concen: 53.283 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

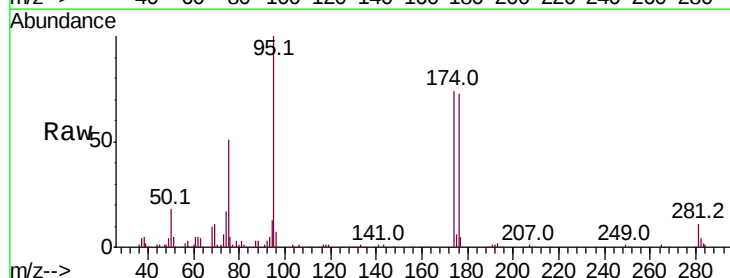
Tgt Ion: 95 Resp: 54779

Ion Ratio Lower Upper

95 100

174 75.5 0.0 147.2

176 73.9 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

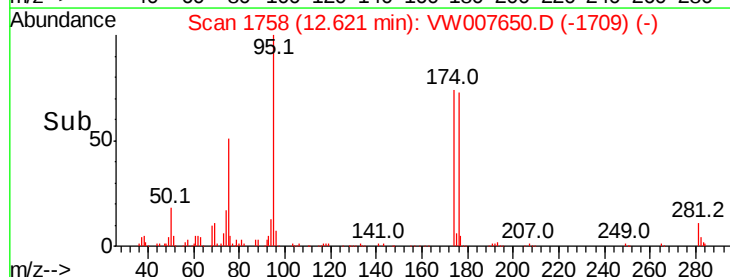
30000

20000

10000

0

Time-->

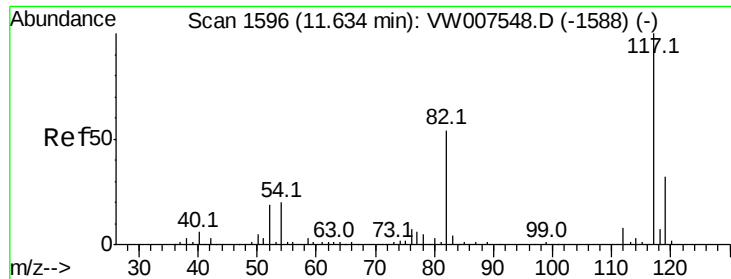


12.62

12.55

12.65

12.70



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampled :

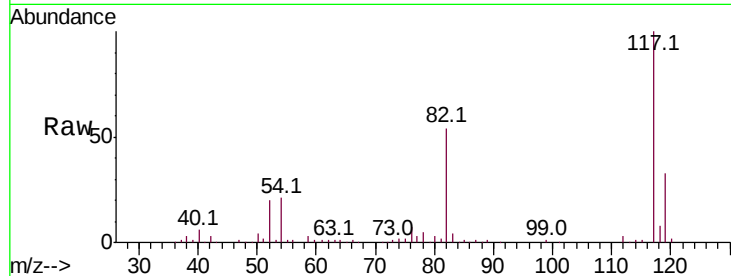
Tot Ion:117 Resp: 108131

Ion Ratio Lower Upper

117 100

82 54.0 42.3 63.5

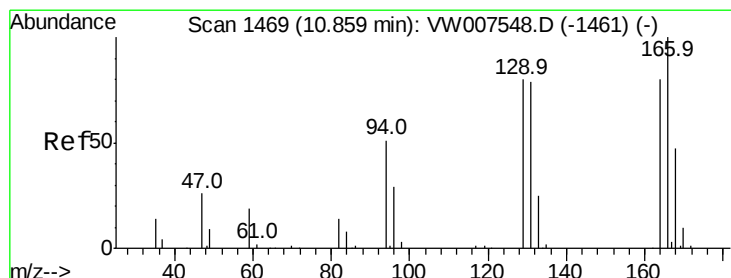
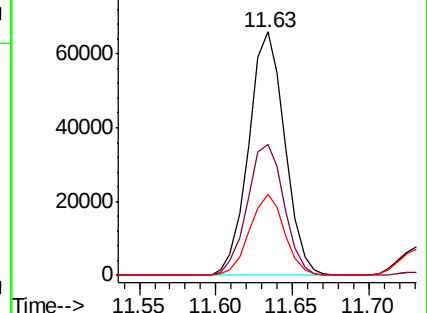
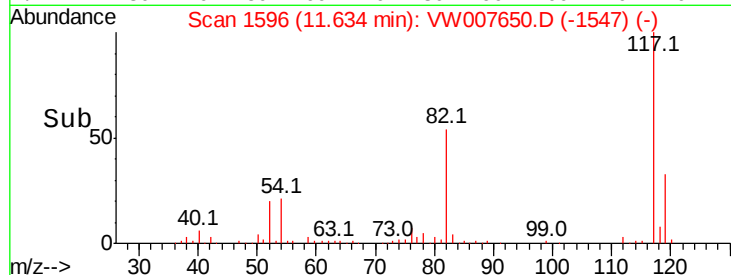
119 33.1 23.0 34.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.304 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Tgt Ion:164 Resp: 16566

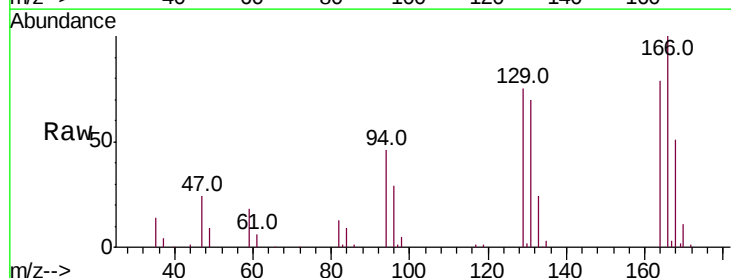
Ion Ratio Lower Upper

164 100

166 126.2 107.9 161.9

129 94.5 73.4 110.2

131 88.6 75.8 113.6

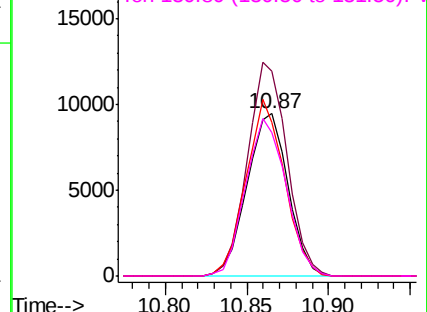
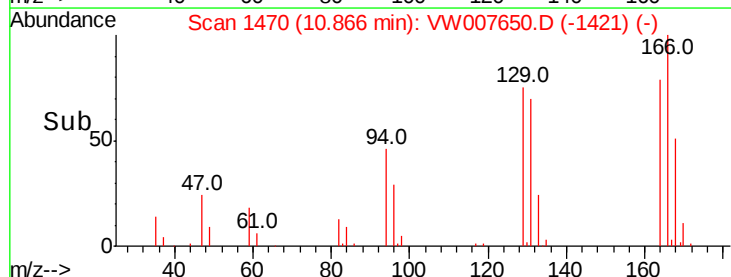


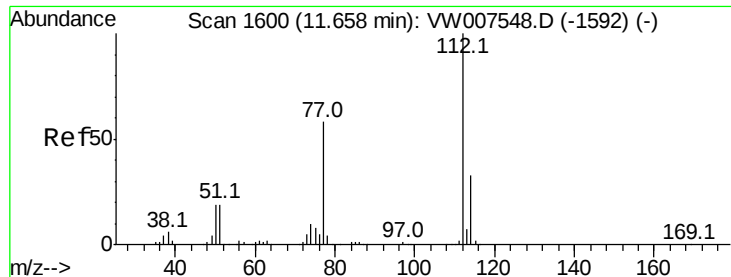
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

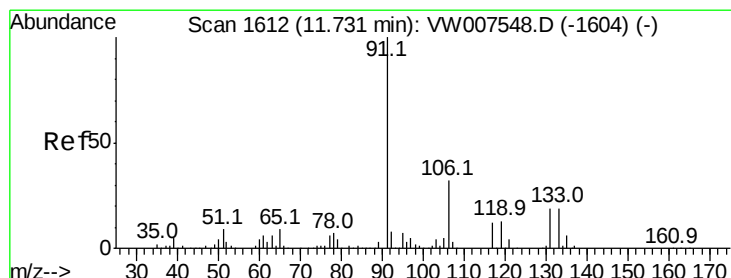
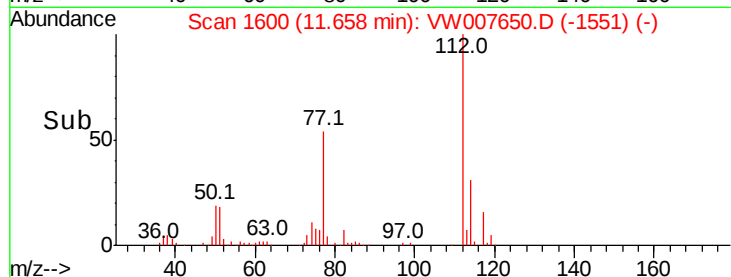
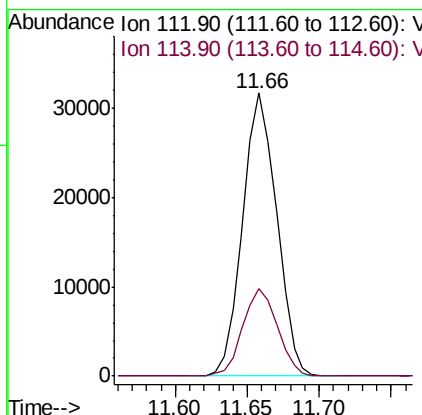
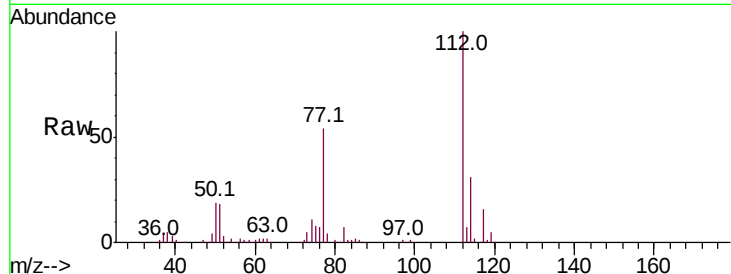




#65
Chlorobenzene
Concen: 23.063 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

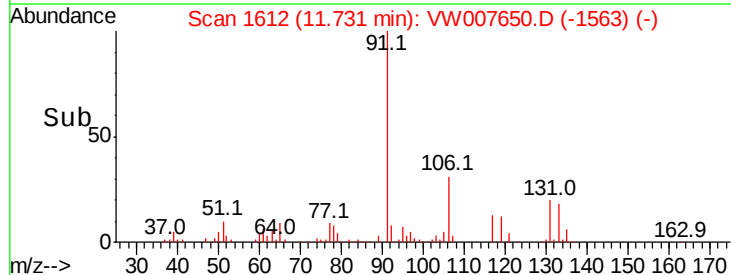
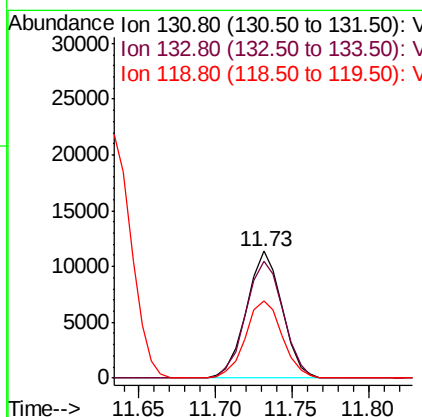
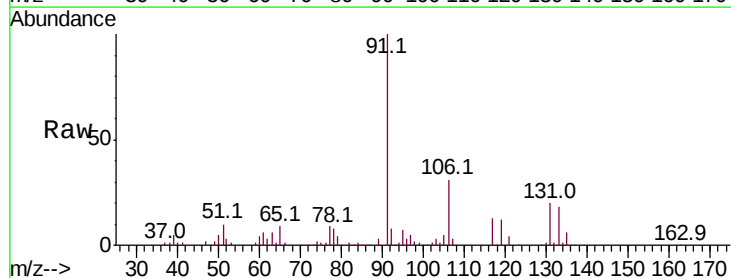
Instrument :
MSVOA_W
ClientSampleId :

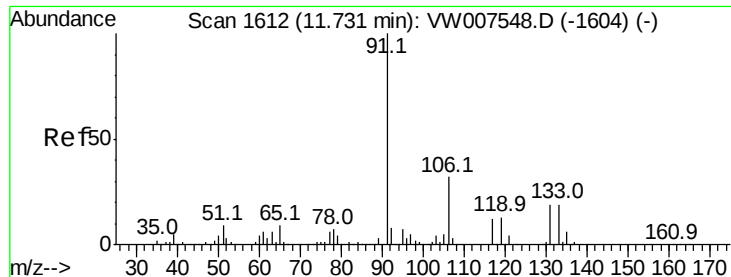
Tot Ion:112 Resp: 51980
Ion Ratio Lower Upper
112 100
114 31.0 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.248 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion:131 Resp: 18454
Ion Ratio Lower Upper
131 100
133 96.3 47.1 141.4
119 62.8 31.3 93.9

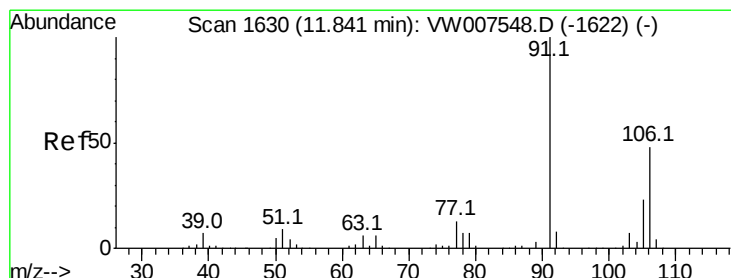
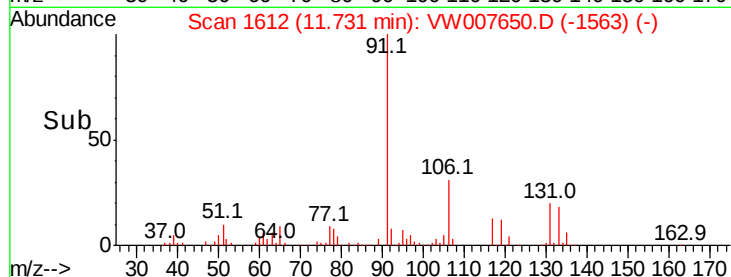
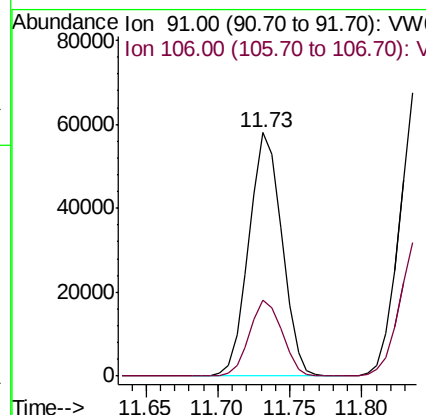
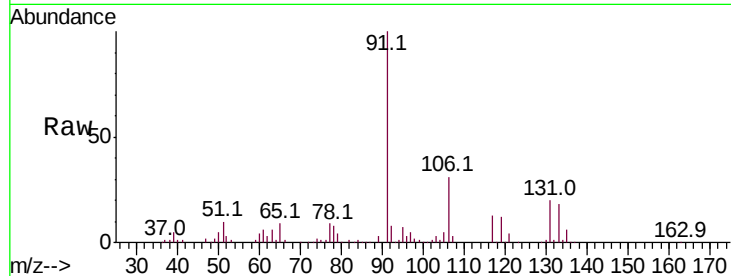




#67
Ethyl Benzene
Concen: 23.735 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

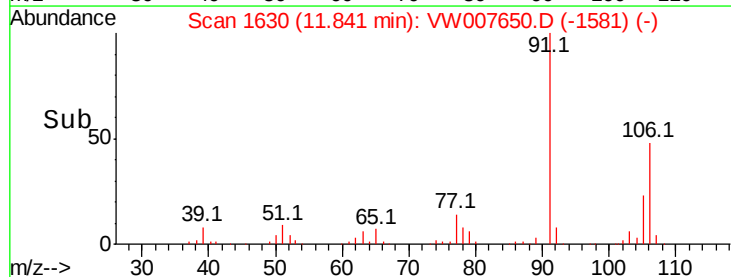
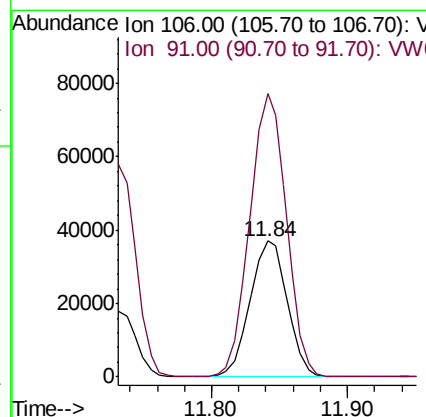
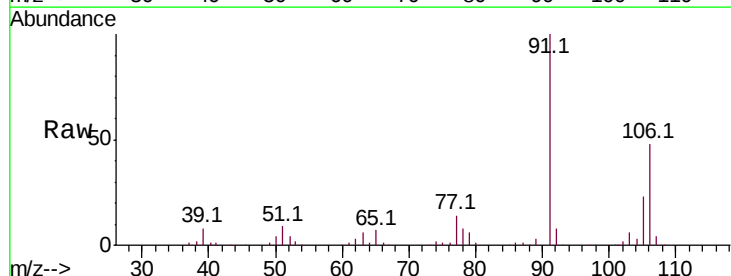
Instrument :
MSVOA_W
ClientSampleId :

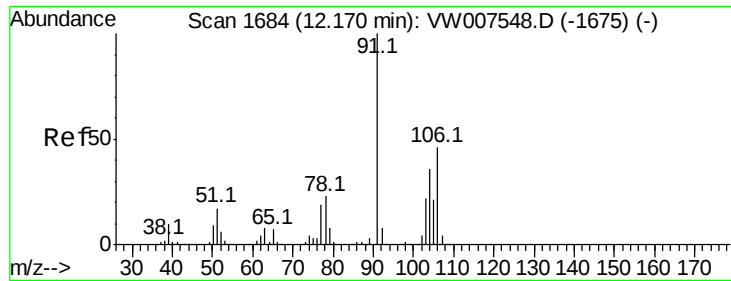
Tot Ion: 91 Resp: 91971
Ion Ratio Lower Upper
91 100
106 31.1 21.8 32.8



#68
m/p-Xylenes
Concen: 47.062 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion:106 Resp: 70894
Ion Ratio Lower Upper
106 100
91 205.4 165.3 247.9

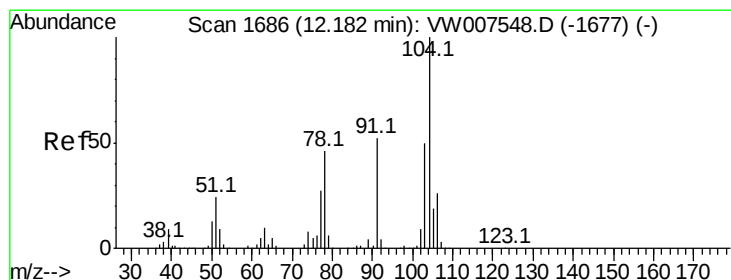
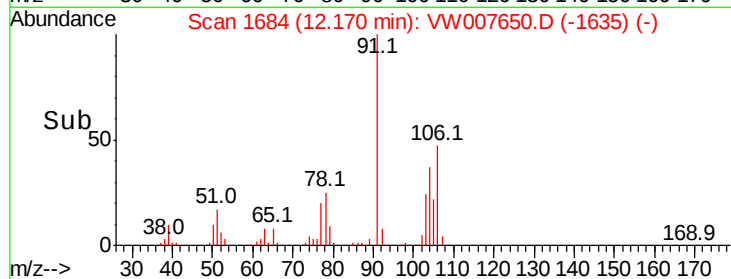
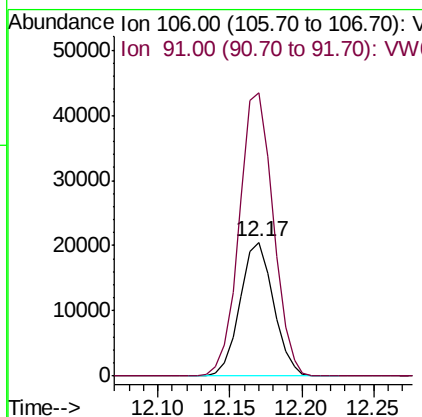
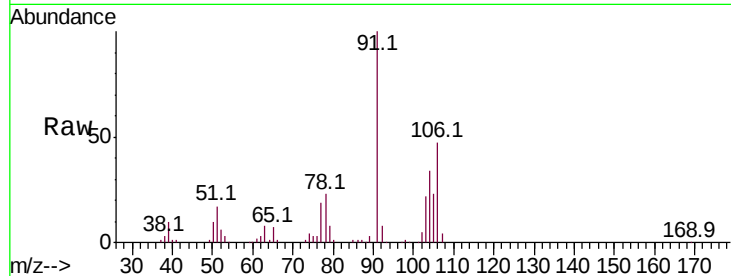




#69
o-Xylene
Concen: 23.536 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

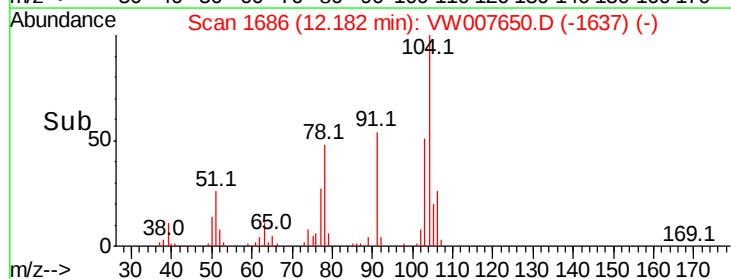
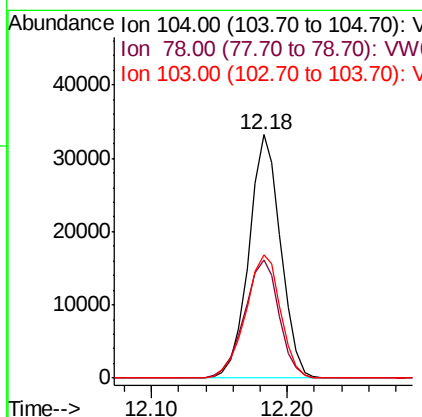
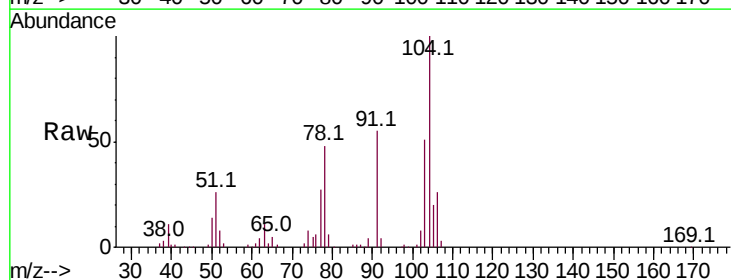
Instrument :
MSVOA_W
ClientSampled :

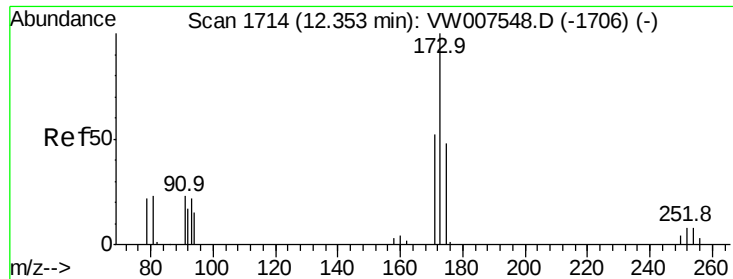
Tot Ion:106 Resp: 33112
Ion Ratio Lower Upper
106 100
91 215.0 106.6 319.8



#70
Styrene
Concen: 23.861 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion:104 Resp: 54222
Ion Ratio Lower Upper
104 100
78 53.3 41.8 62.8
103 55.6 46.6 69.8





#71

Bromoform

Concen: 21.733 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

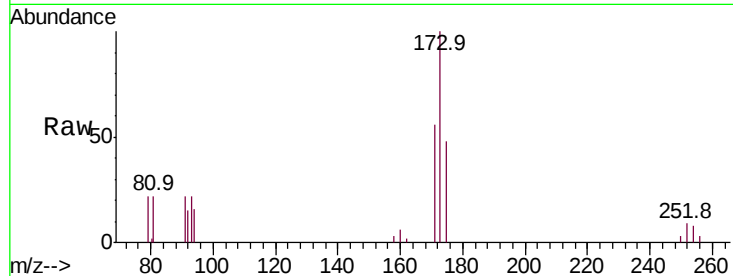
Tot Ion:173 Resp: 8830

Ion Ratio Lower Upper

173 100

175 46.6 23.6 70.8

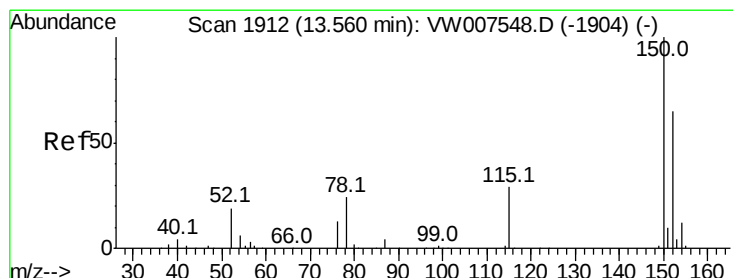
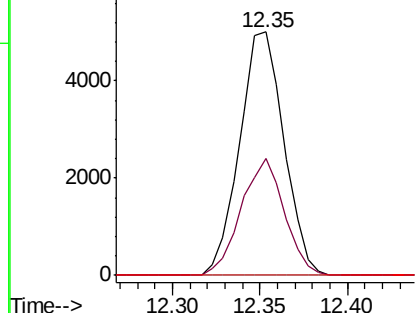
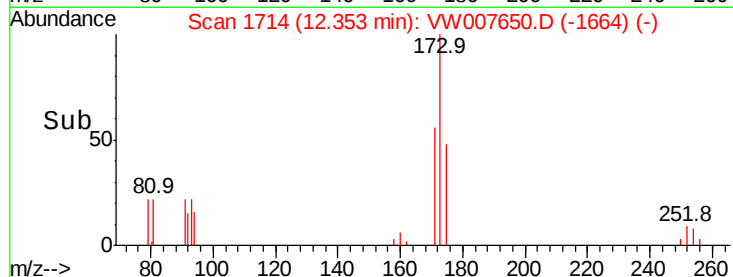
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

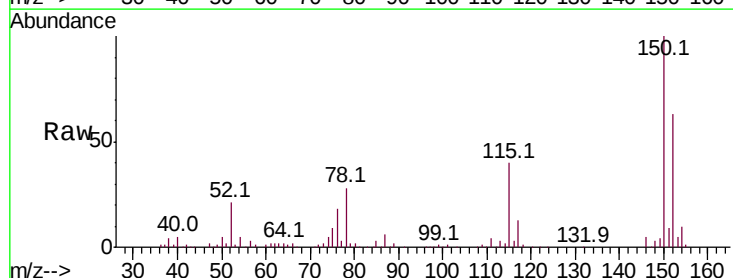
Tgt Ion:152 Resp: 55714

Ion Ratio Lower Upper

152 100

115 62.1 31.4 94.2

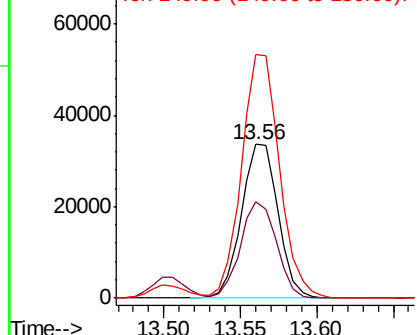
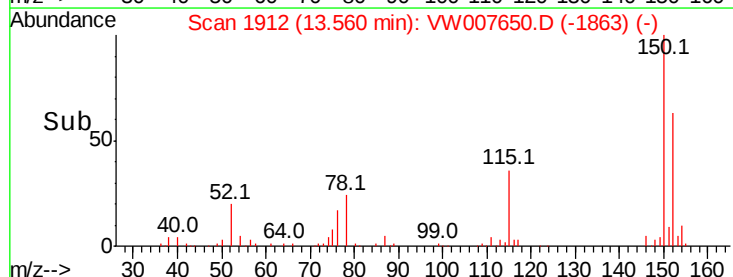
150 164.0 0.0 358.4

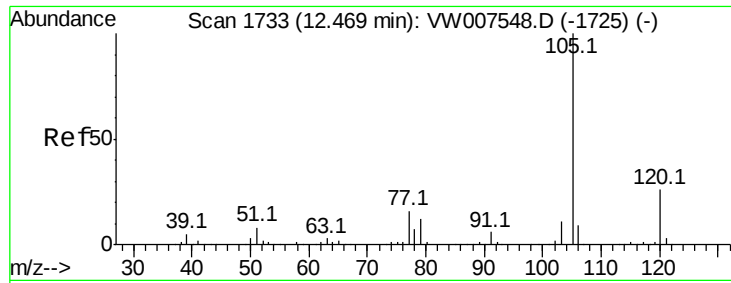


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.114 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

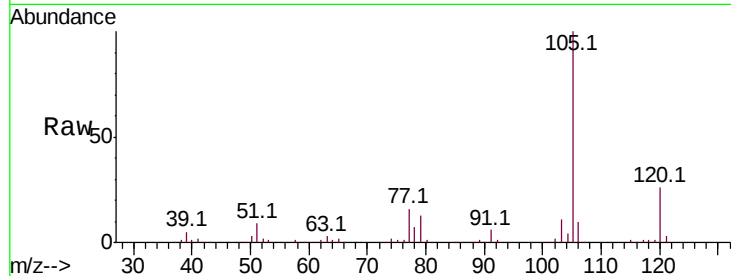
ClientSampleId :

Tot Ion:105 Resp: 94407

Ion Ratio Lower Upper

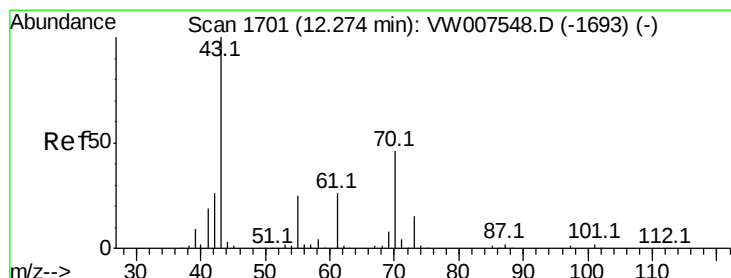
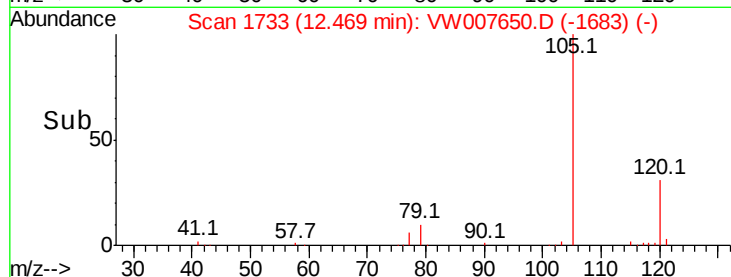
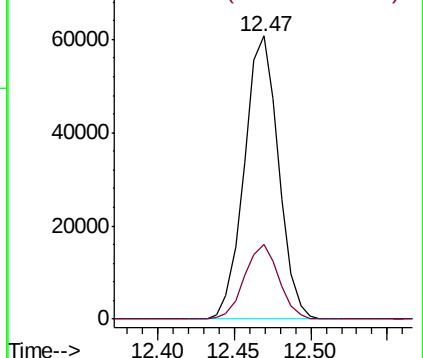
105 100

120 26.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.292 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Tgt Ion: 43 Resp: 14192

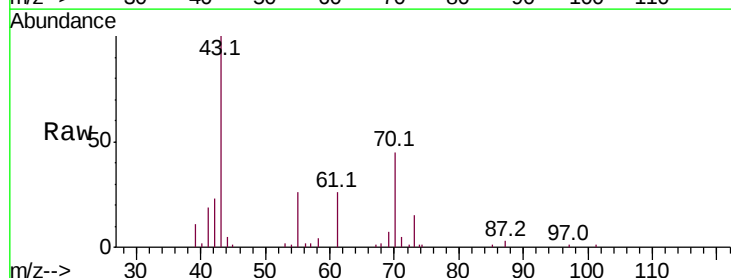
Ion Ratio Lower Upper

43 100

70 45.7 36.5 54.7

55 27.5 20.1 30.1

61 26.6 19.3 28.9

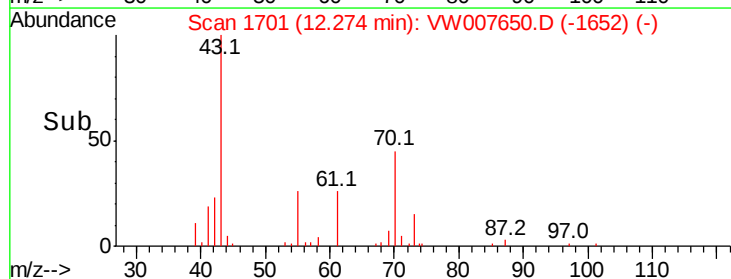
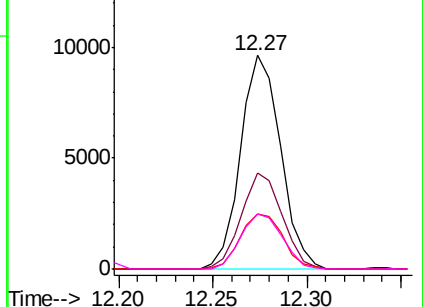


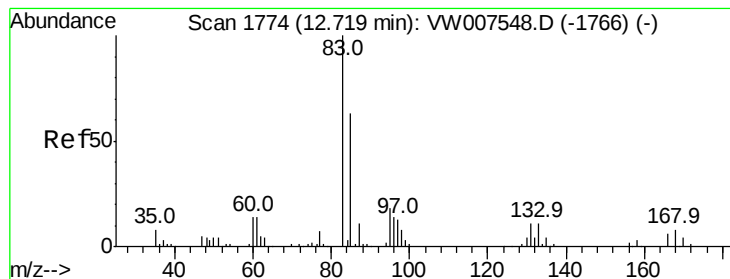
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.423 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampled :

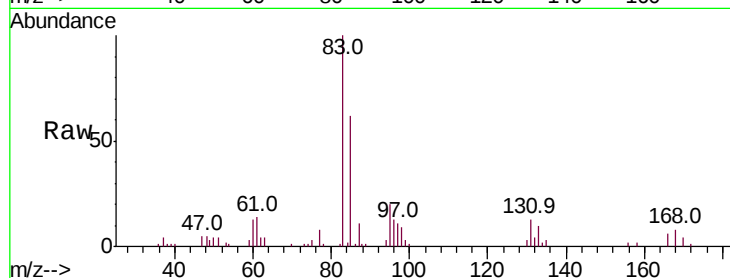
Tot Ion: 83 Resp: 12913

Ion Ratio Lower Upper

83 100

131 13.1 5.9 17.8

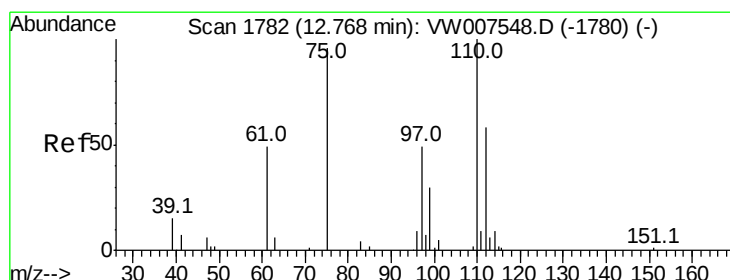
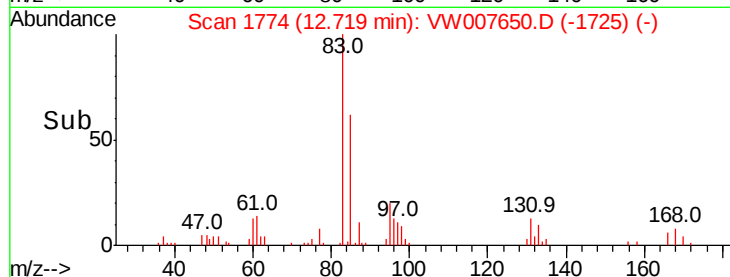
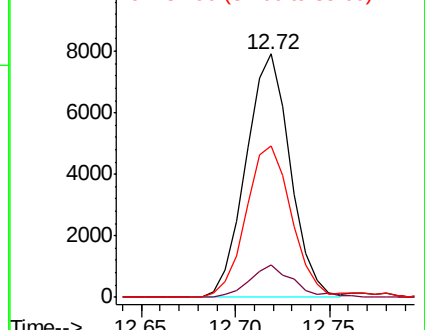
85 64.1 30.0 90.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.867 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007650.D

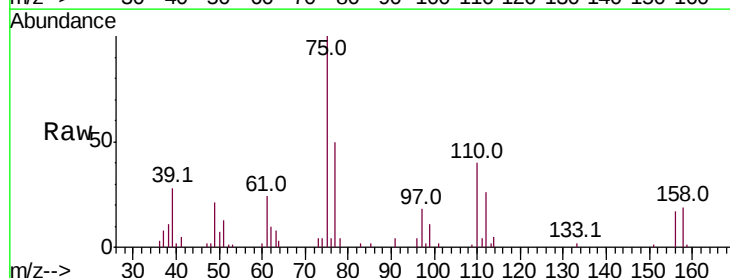
Acq: 18 Dec 2018 11:41

Tgt Ion: 75 Resp: 18314

Ion Ratio Lower Upper

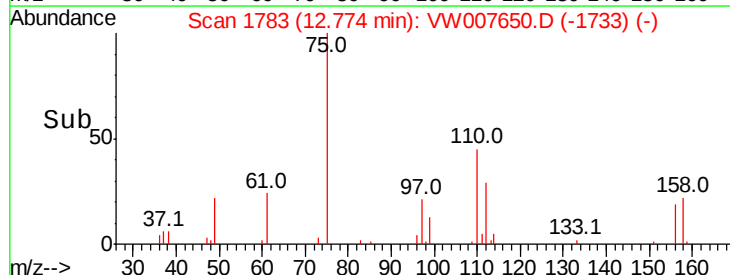
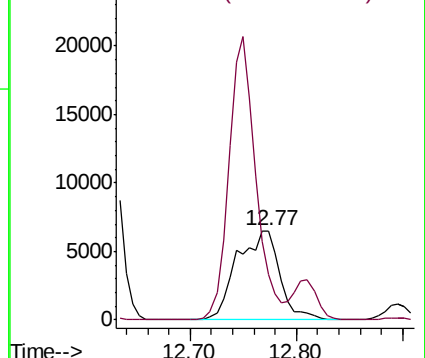
75 100

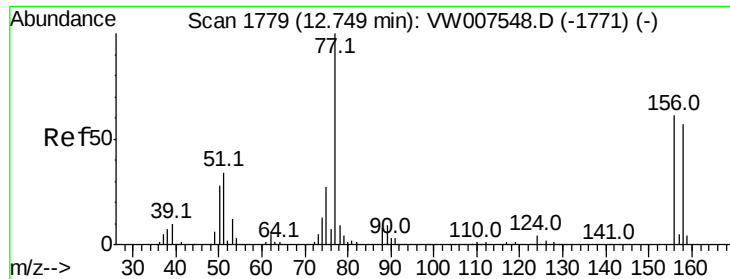
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

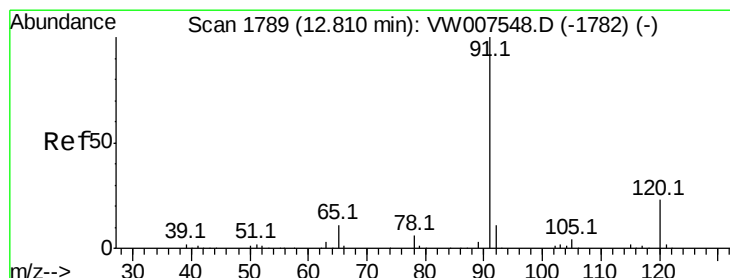
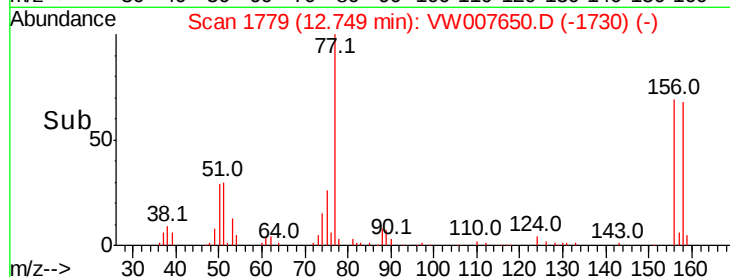
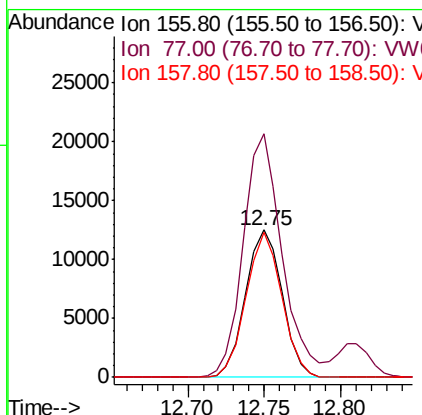
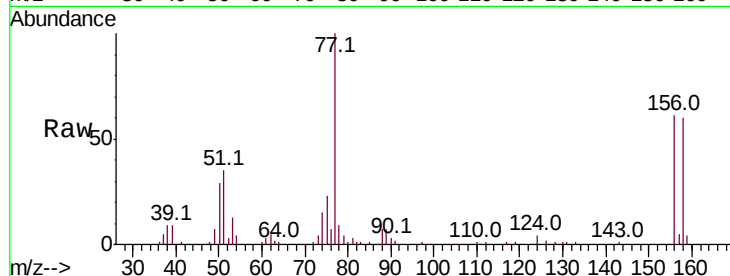




#77
Bromobenzene
Concen: 21.958 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

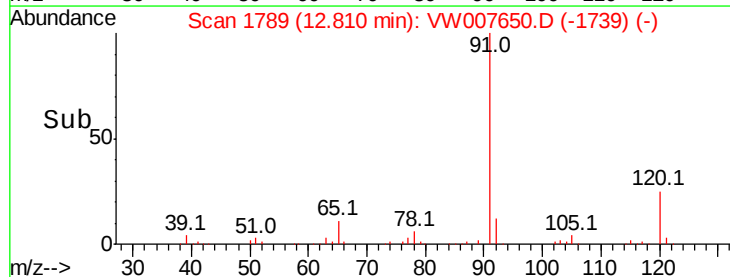
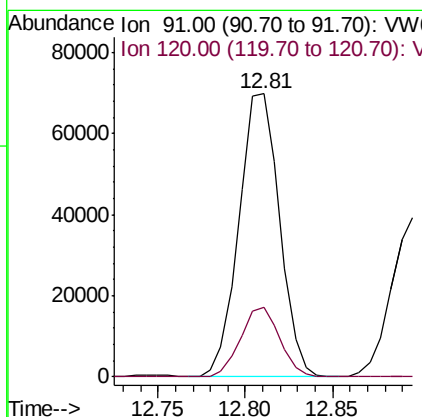
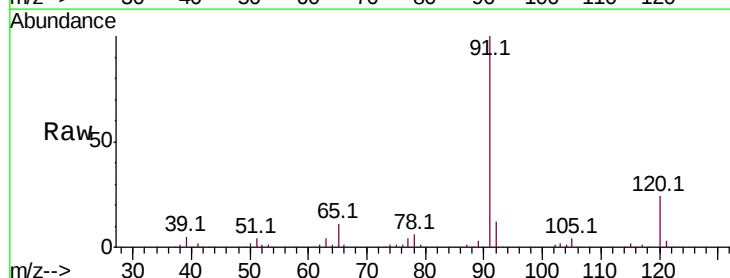
Instrument :
MSVOA_W
ClientSampled :

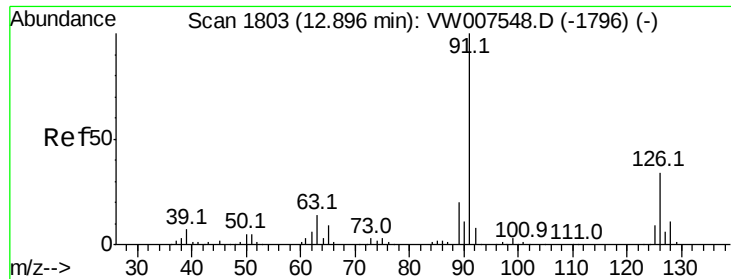
Tot Ion:156 Resp: 20778
Ion Ratio Lower Upper
156 100
77 175.2 88.1 264.4
158 96.3 45.6 136.7



#78
n-propylbenzene
Concen: 23.523 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.01 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion: 91 Resp: 113014
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5

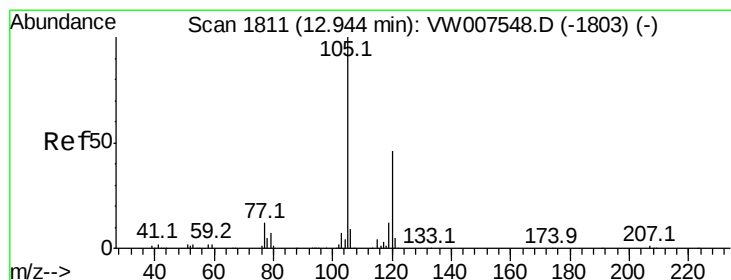
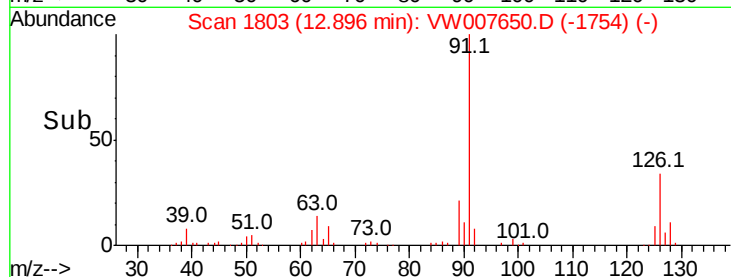
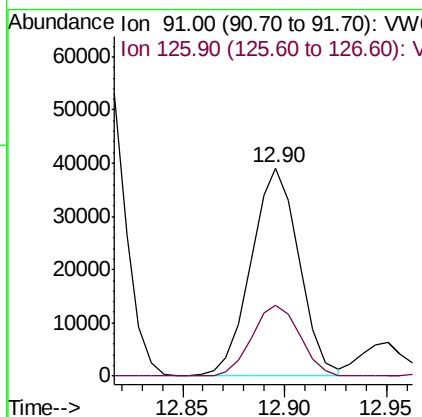
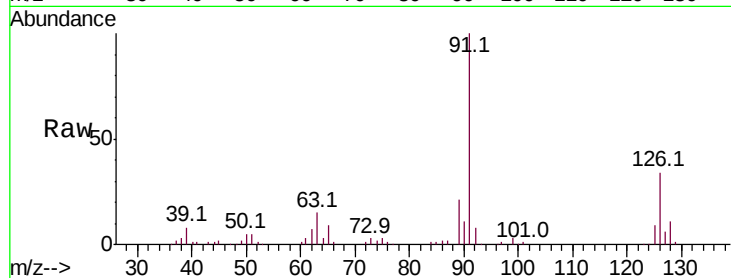




#79
2-Chlorotoluene
Concen: 22.057 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

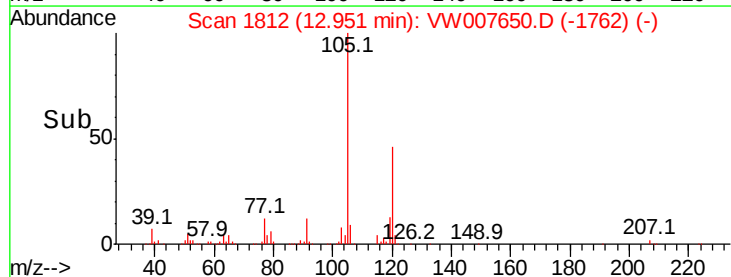
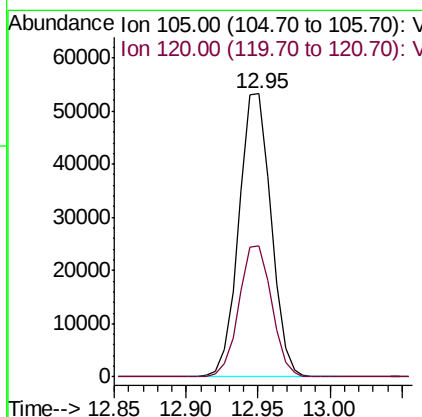
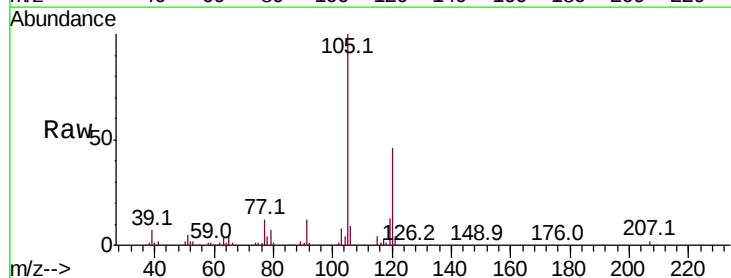
Instrument :
MSVOA_W
ClientSampled :

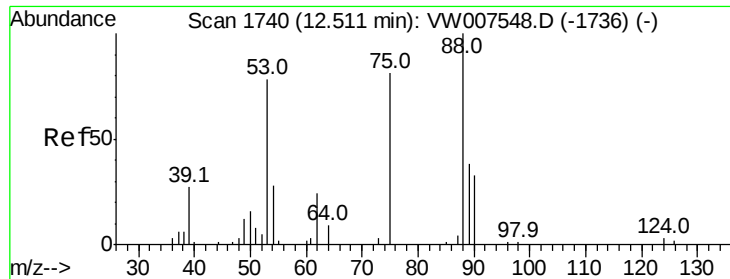
Tot Ion: 91 Resp: 64120
Ion Ratio Lower Upper
91 100
126 34.3 15.9 47.6



#80
1,3,5-Trimethylbenzene
Concen: 23.126 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion:105 Resp: 82955
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.067 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

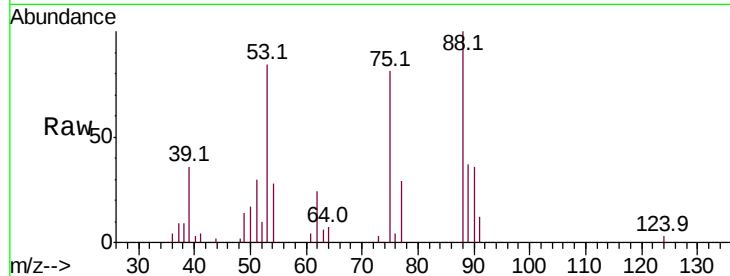
Tot Ion: 75 Resp: 4173

Ion Ratio Lower Upper

75 100

53 106.7 84.9 127.3

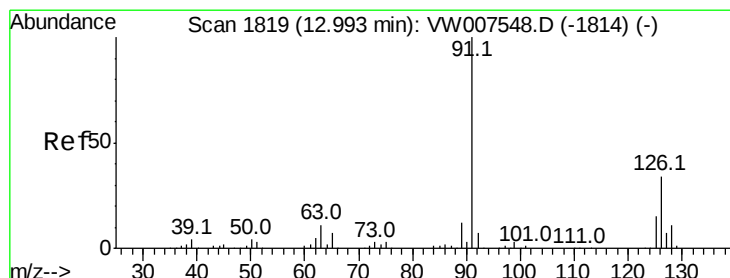
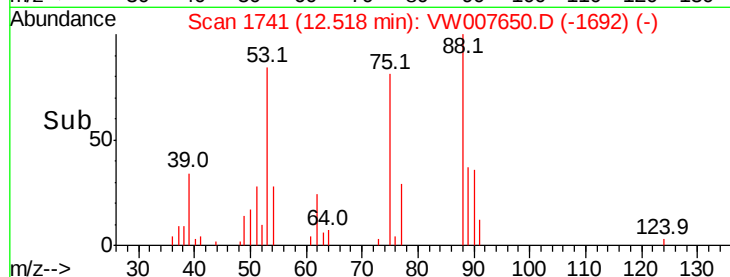
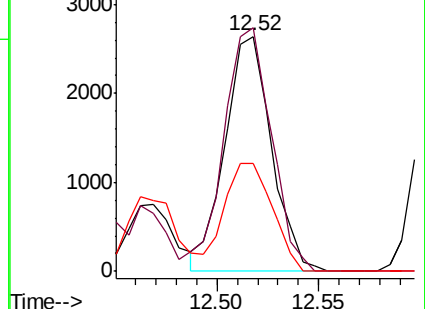
89 47.0 40.3 60.5



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: 22.672 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007650.D

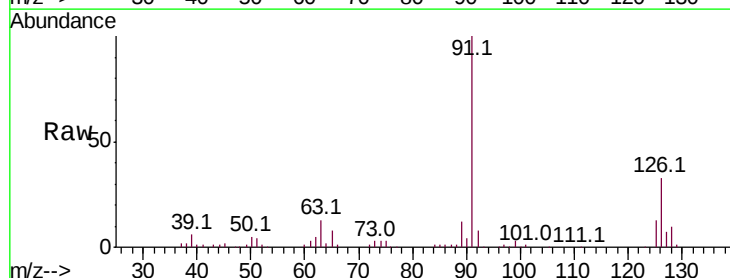
Acq: 18 Dec 2018 11:41

Tgt Ion: 91 Resp: 69475

Ion Ratio Lower Upper

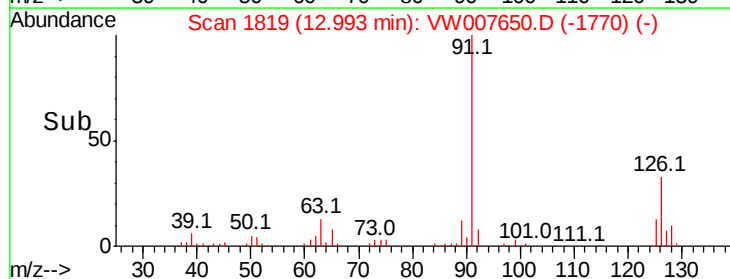
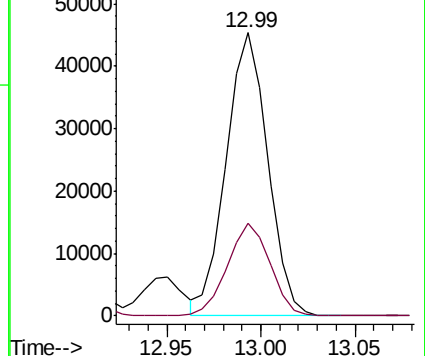
91 100

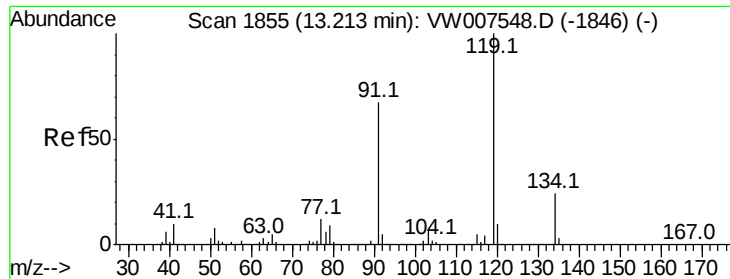
126 33.1 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 22.897 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

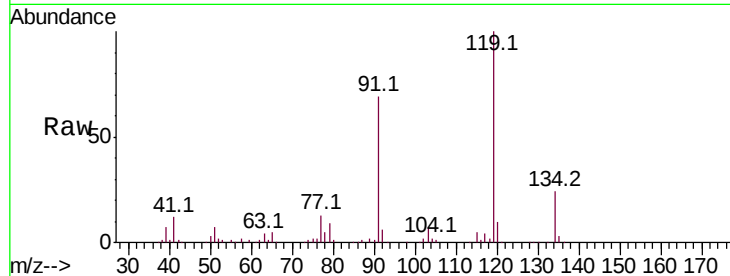
Tot Ion:119 Resp: 72370

Ion Ratio Lower Upper

119 100

91 67.2 33.1 99.2

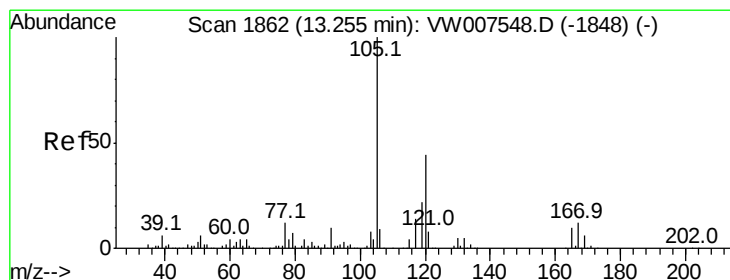
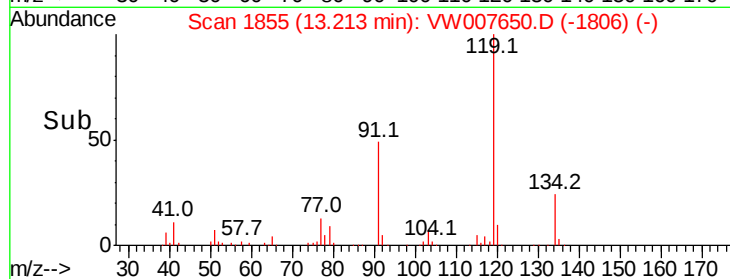
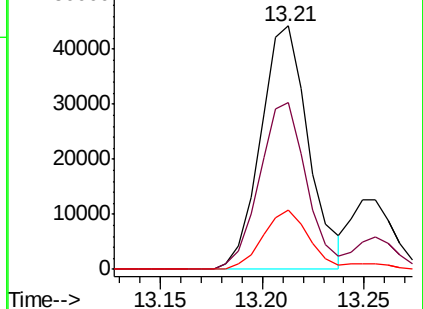
134 23.7 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.562 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007650.D

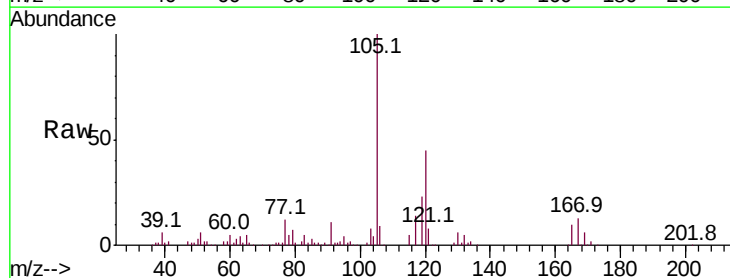
Acq: 18 Dec 2018 11:41

Tgt Ion:105 Resp: 83283

Ion Ratio Lower Upper

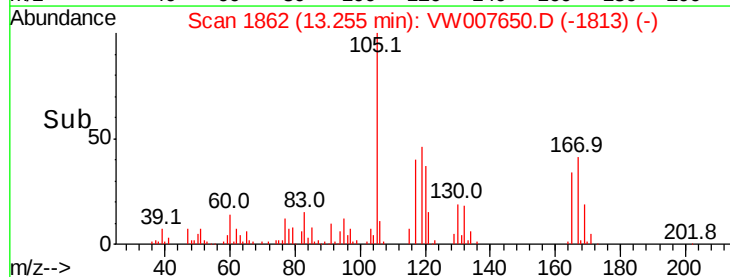
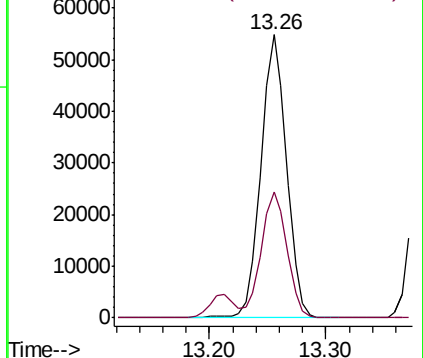
105 100

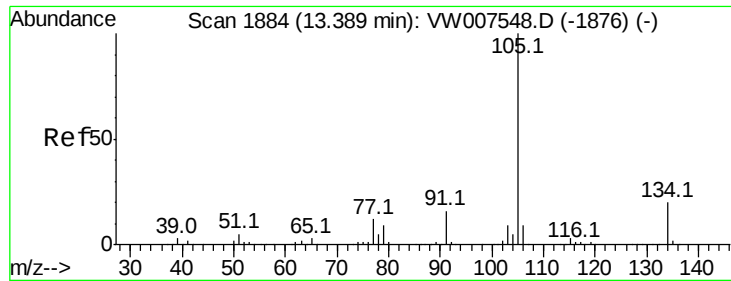
120 45.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

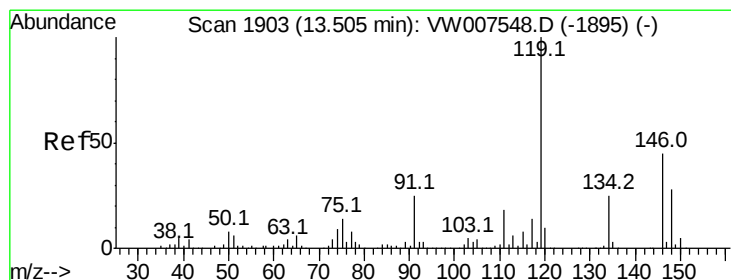
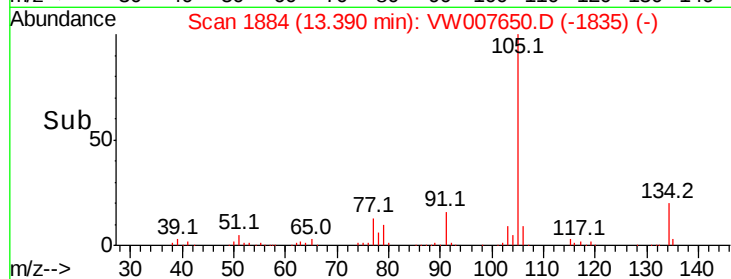
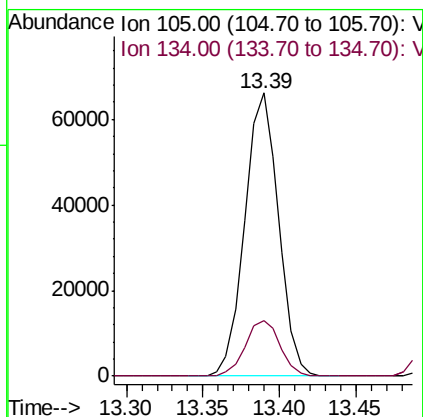
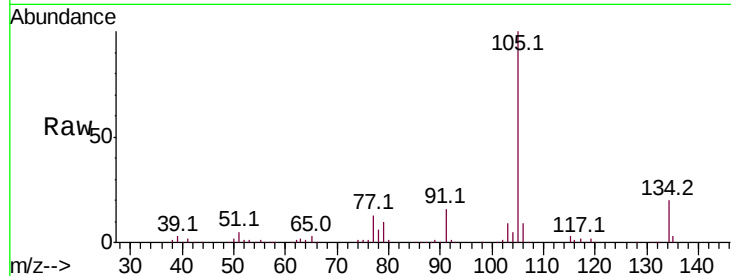




#85
 sec-Butylbenzene
 Concen: 23.512 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

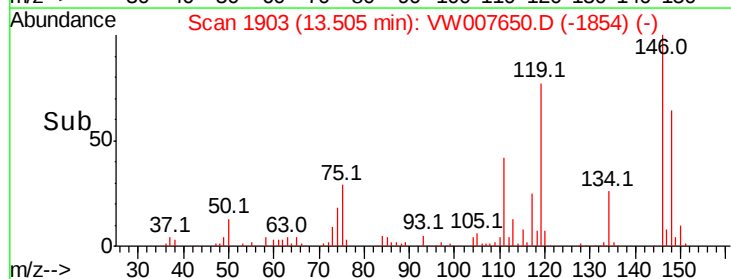
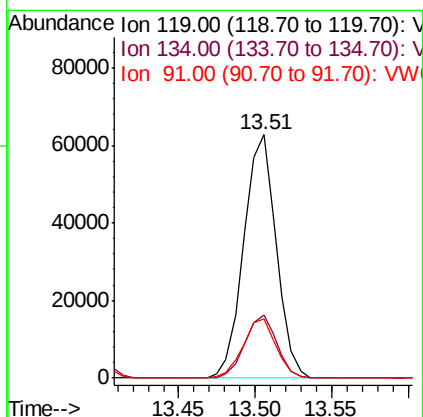
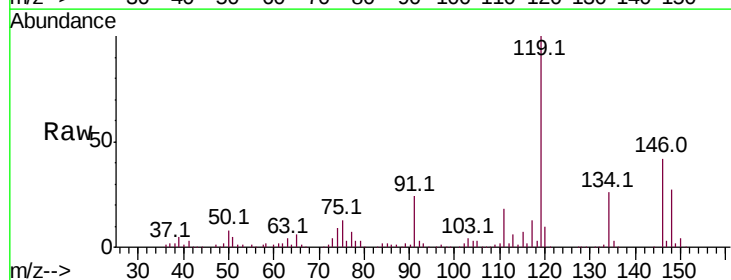
Instrument :
 MSVOA_W
 ClientSampleId :

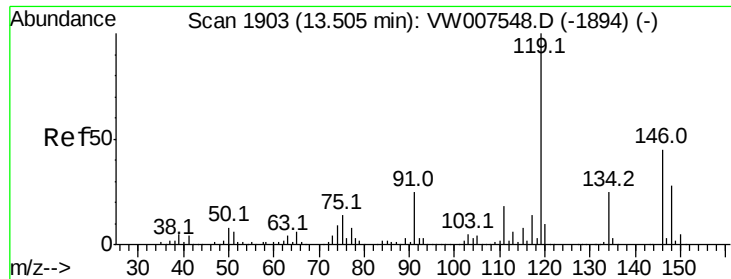
Tot Ion:105 Resp: 101446
 Ion Ratio Lower Upper
 105 100
 134 20.3 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 23.854 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion:119 Resp: 92462
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.7
 91 24.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 22.714 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

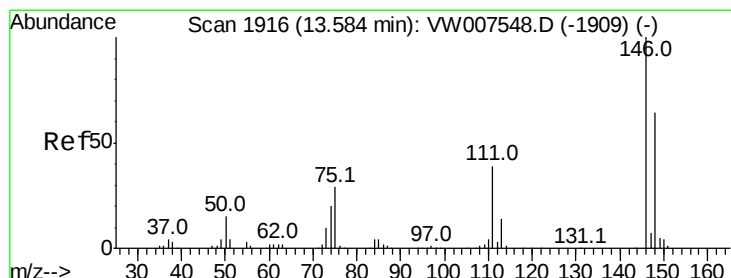
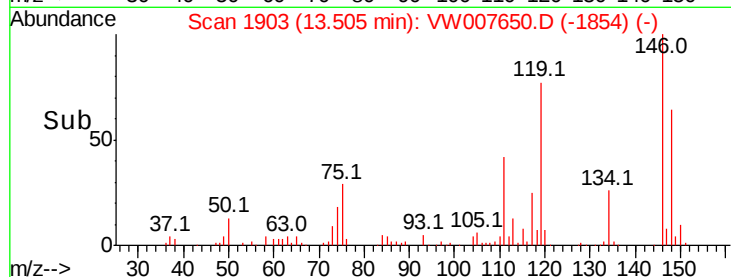
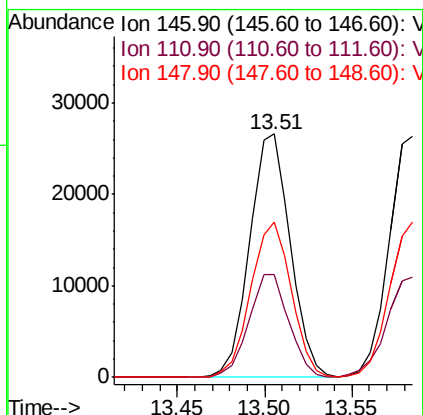
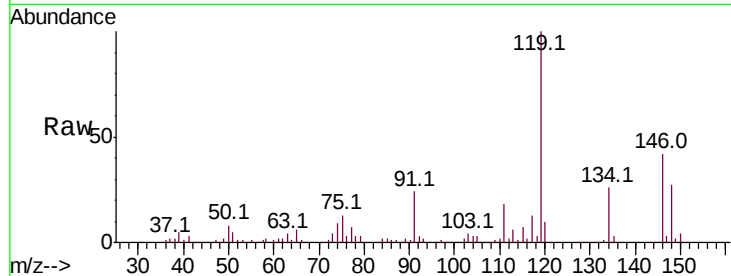
Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 42854

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.3
148	63.8	31.4	94.0



#88

1,4-Dichlorobenzene

Concen: 22.243 ug/l

RT: 13.58 min Scan# 1916

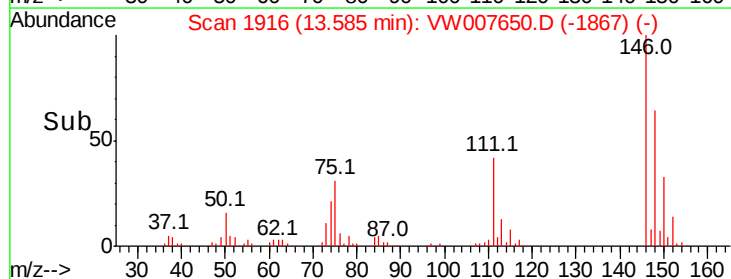
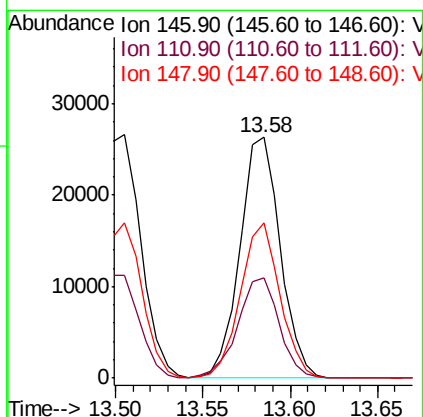
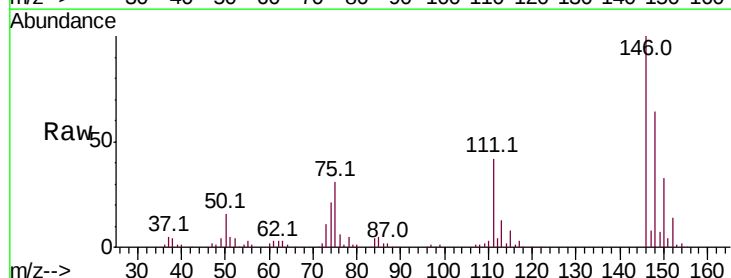
Delta R.T. -0.00 min

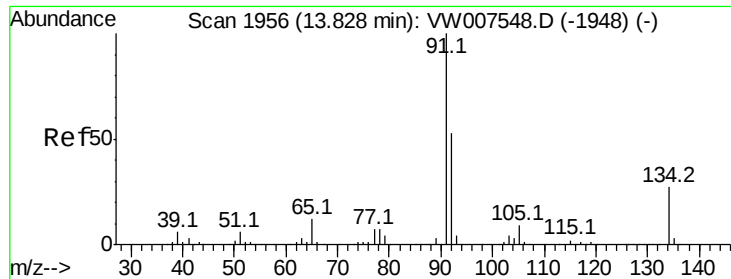
Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Tgt Ion:146 Resp: 42190

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.3	61.0
148	63.2	33.5	100.5





#89

n-Butylbenzene

Concen: 23.699 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

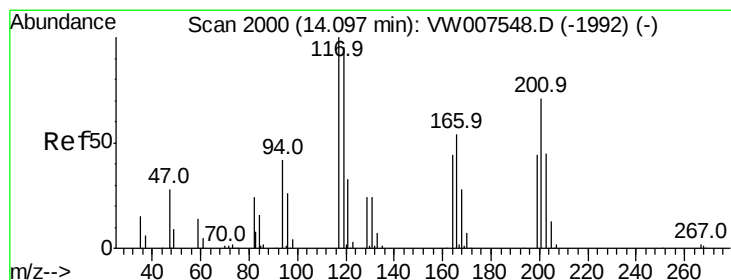
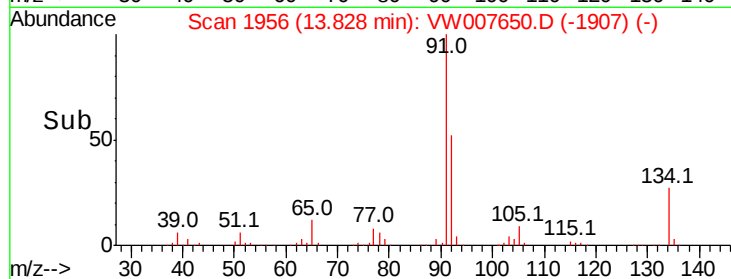
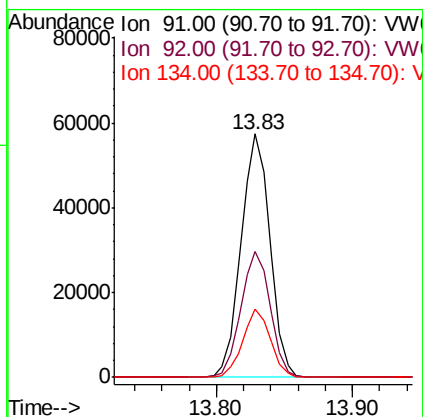
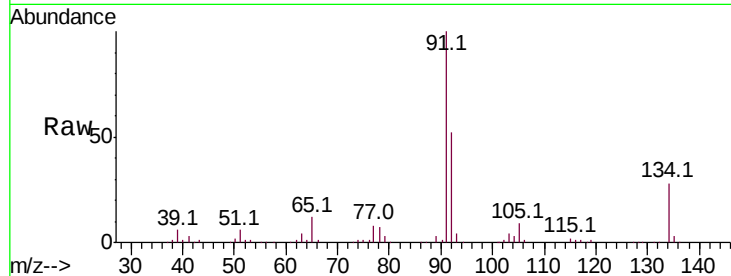
Tot Ion: 91 Resp: 85161

Ion Ratio Lower Upper

91 100

92 52.4 25.7 77.1

134 26.7 13.4 40.2



#90

Hexachloroethane

Concen: 22.458 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007650.D

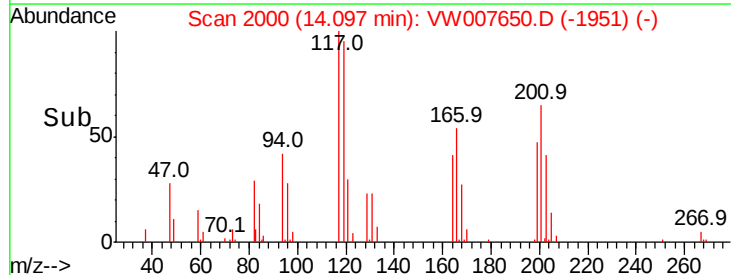
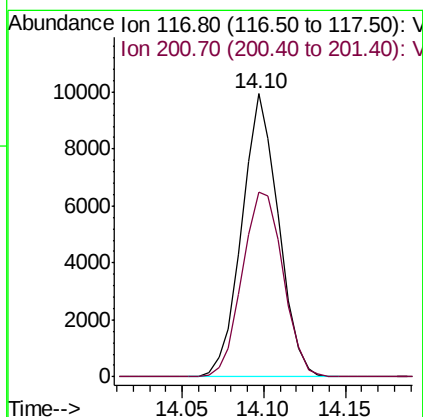
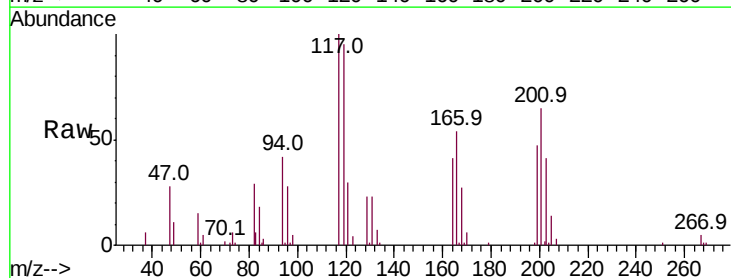
Acq: 18 Dec 2018 11:41

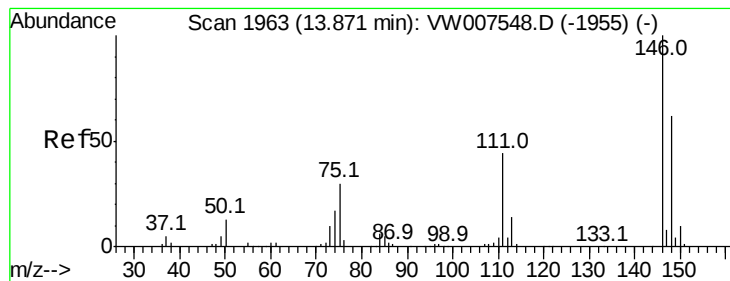
Tgt Ion: 117 Resp: 15489

Ion Ratio Lower Upper

117 100

201 72.9 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 21.799 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

Instrument :

MSVOA_W

ClientSampleId :

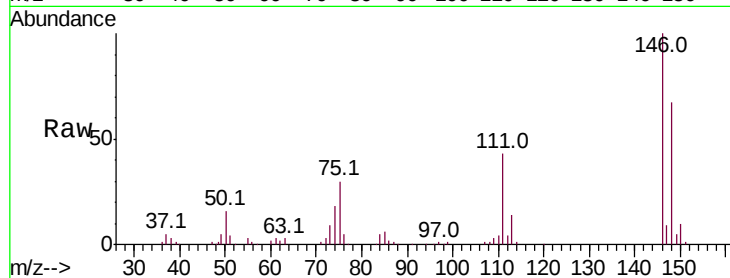
Tot Ion:146 Resp: 36836

Ion Ratio Lower Upper

146 100

111 44.6 22.4 67.2

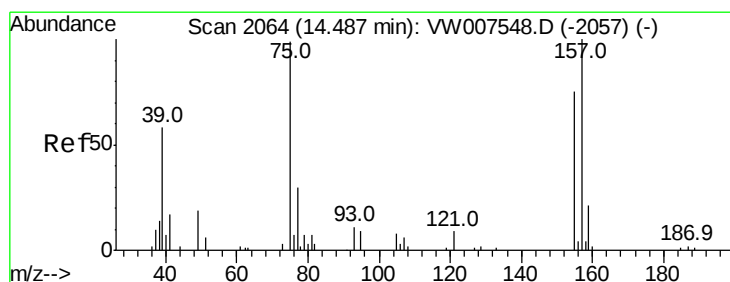
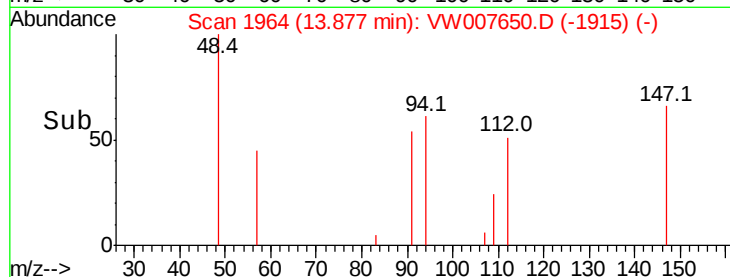
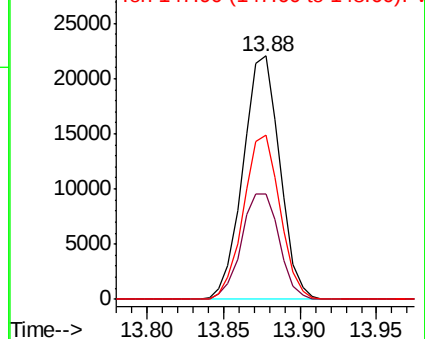
148 66.9 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.175 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW007650.D

Acq: 18 Dec 2018 11:41

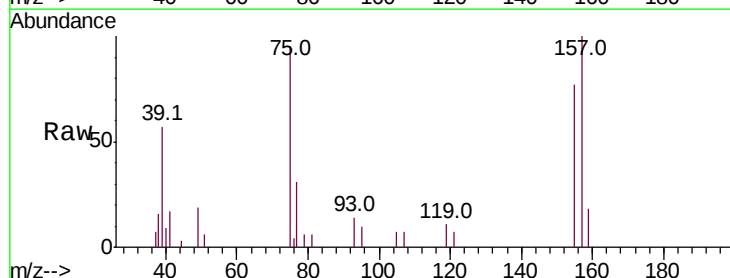
Tgt Ion: 75 Resp: 2560

Ion Ratio Lower Upper

75 100

155 77.9 40.8 122.2

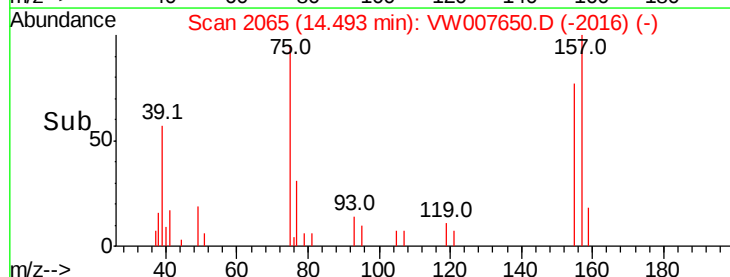
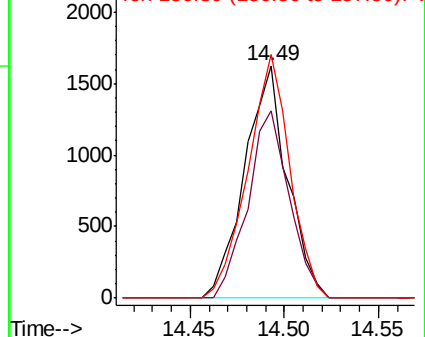
157 102.9 51.1 153.4

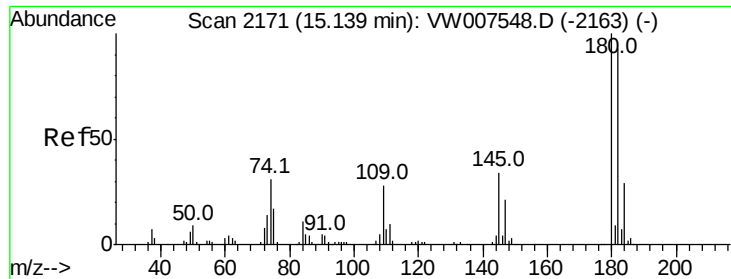


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

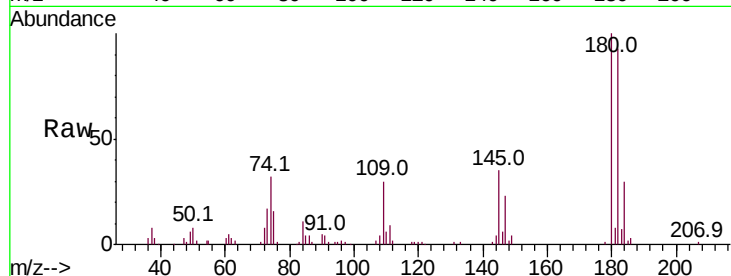




#93
 1,2,4-Trichlorobenzene
 Concen: 22.422 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	49.9	149.6
145	34.8	17.8	53.4

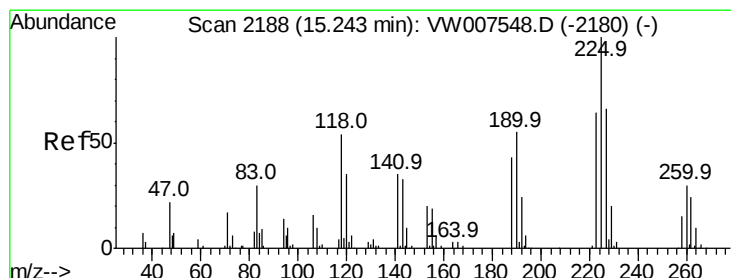
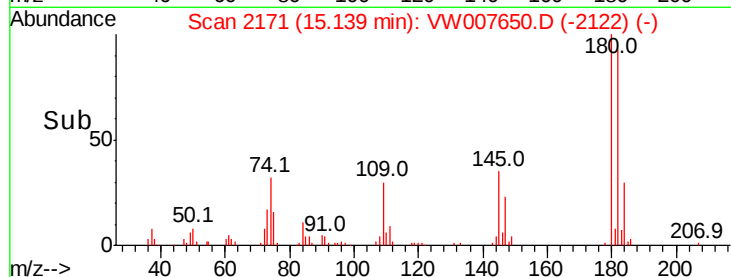
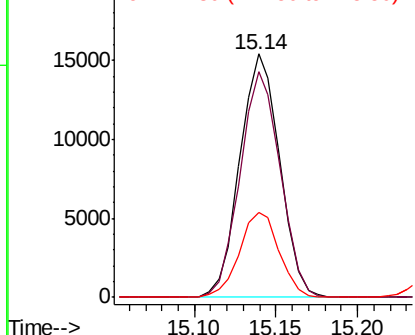


Abundance

Ion 179.80 (179.50 to 180.50): V

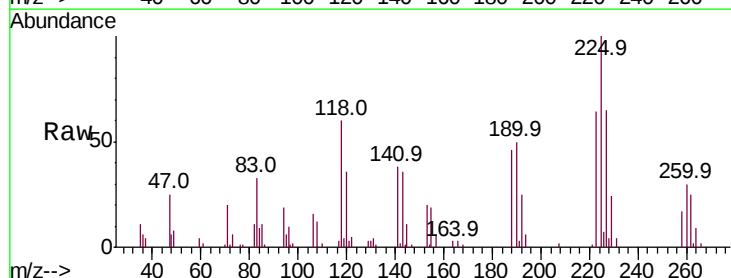
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.775 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007650.D
 Acq: 18 Dec 2018 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	32.1	96.3
227	64.9	31.9	95.9

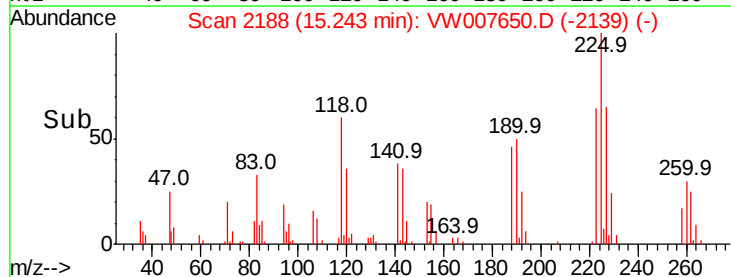
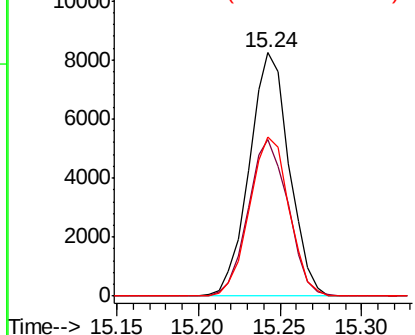


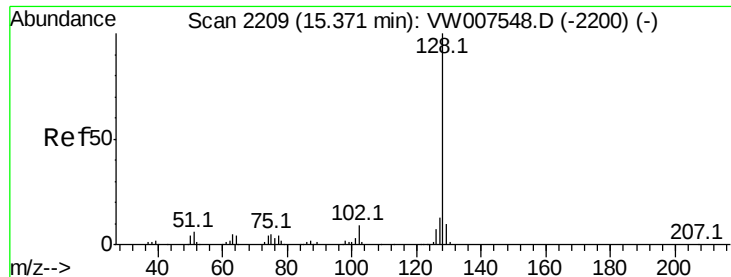
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

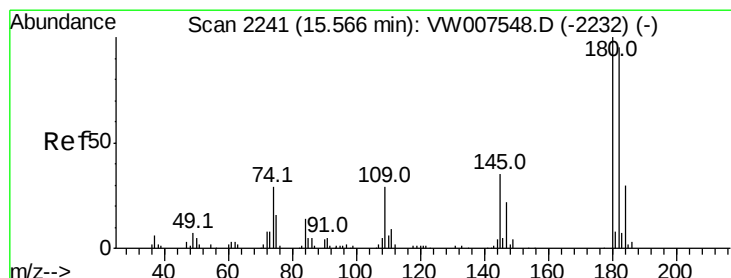
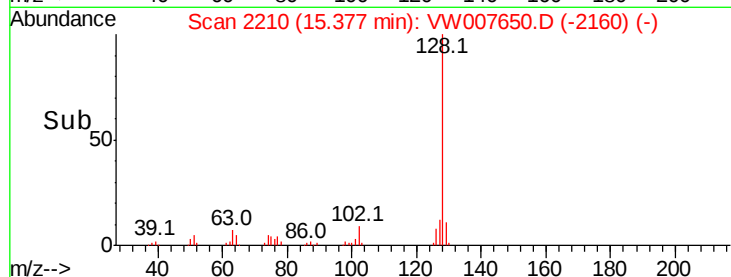
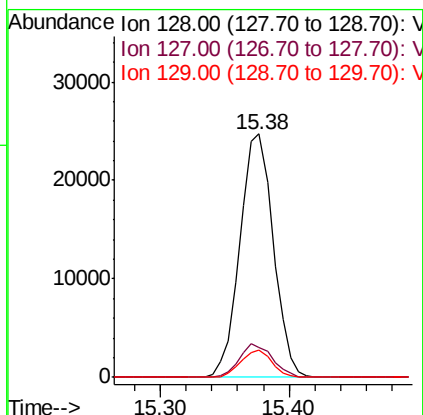
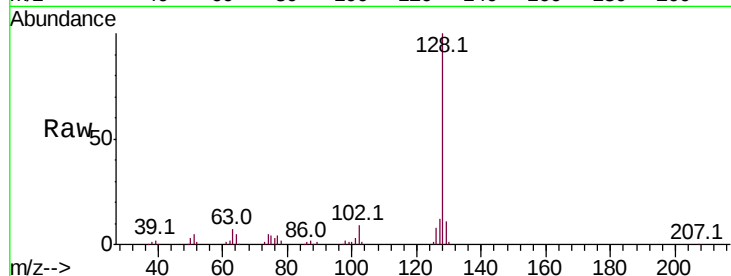




#95
Naphthalene
Concen: 19.959 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 44403
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.5 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 21.656 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007650.D
Acq: 18 Dec 2018 11:41

Tgt Ion:180 Resp: 21877
Ion Ratio Lower Upper
180 100
182 92.6 45.6 136.7
145 36.6 17.5 52.5

