

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007651.D
 Acq On : 18 Dec 2018 12:07
 Operator : SY/AP
 Sample : WV1220SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 03:15:18 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	70249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	37848	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.88	113	34698	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.32	98	130244	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	12.62	95	50056	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11763	23.962	ug/l	94
3) Chloromethane	2.21	50	7548	18.359	ug/l	94
4) Vinyl Chloride	2.37	62	10016	20.759	ug/l	93
5) Bromomethane	2.78	94	6624	20.434	ug/l	88
6) Chloroethane	2.92	64	5527	20.810	ug/l	95
7) Trichlorofluoromethane	3.25	101	10202	23.519	ug/l	95
8) Diethyl Ether	3.67	74	7049	20.763	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15560	21.740	ug/l	95
10) Methyl Iodide	4.26	142	24513	20.679	ug/l	96
11) Tert butyl alcohol	5.18	59	5352	99.990	ug/l	96
12) 1,1-Dichloroethene	4.03	96	14527	21.080	ug/l	94
13) Acrolein	3.90	56	3336	94.191	ug/l	100
14) Allyl chloride	4.66	41	19483	19.180	ug/l	94
15) Acrylonitrile	5.37	53	13646	95.346	ug/l	98
16) Acetone	4.12	43	15413	113.222	ug/l	95
17) Carbon Disulfide	4.37	76	43460	20.800	ug/l	100
18) Methyl Acetate	4.67	43	7404	20.039	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	21407	20.592	ug/l	97
20) Methylene Chloride	4.91	84	15918	18.950	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	15660	20.314	ug/l	99
22) Diisopropyl ether	6.32	45	38011	19.468	ug/l	99
23) Vinyl Acetate	6.25	43	106602	97.613	ug/l	99
24) 1,1-Dichloroethane	6.21	63	26344	19.964	ug/l	97
25) 2-Butanone	7.17	43	17223	96.912	ug/l	100
26) 2,2-Dichloropropane	7.17	77	20429	23.392	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	17053	20.203	ug/l	95
28) Bromochloromethane	7.51	49	9488	19.115	ug/l	94
29) Tetrahydrofuran	7.53	42	10581	94.047	ug/l	94
30) Chloroform	7.68	83	29776	20.735	ug/l	98
31) Cyclohexane	7.95	56	23775	19.637	ug/l	# 94
32) 1,1,1-Trichloroethane	7.87	97	27104	21.523	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22672	22.381	ug/l	100
37) Ethyl Acetate	7.25	43	7627	20.243	ug/l	98
38) Carbon Tetrachloride	8.06	117	27160	24.641	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29215	23.817	ug/l	94
40) Benzene	8.32	78	61867	22.007	ug/l	99
41) Methacrylonitrile	7.48	41	4548	21.197	ug/l	93
42) 1,2-Dichloroethane	8.40	62	20574	23.297	ug/l	98
43) Isopropyl Acetate	8.42	43	15142	20.345	ug/l	97
44) Trichloroethene	9.09	130	18580	23.144	ug/l	94
45) 1,2-Dichloropropane	9.37	63	14151	21.752	ug/l	100
46) Dibromomethane	9.46	93	8308	22.488	ug/l	95
47) Bromodichloromethane	9.65	83	21600	22.290	ug/l	92
48) Methyl methacrylate	9.43	41	7502	19.627	ug/l	92
49) 1,4-Dioxane	9.45	88	2467	411.544	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	36397	103.502	ug/l	98
52) Toluene	10.39	92	41253	22.675	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	21329	22.671	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	23876	21.954	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	11073	22.022	ug/l	93
56) Ethyl methacrylate	10.65	69	13190	21.825	ug/l	98
57) 1,3-Dichloropropane	10.93	76	18834	22.821	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	30357	108.923	ug/l	98
59) 2-Hexanone	10.97	43	26037	111.040	ug/l	100
60) Dibromochloromethane	11.13	129	14398	22.690	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10866	21.868	ug/l	100
64) Tetrachloroethene	10.87	164	15132	21.340	ug/l	97
65) Chlorobenzene	11.66	112	45693	22.232	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	17203	23.766	ug/l	97
67) Ethyl Benzene	11.73	91	81987	23.202	ug/l	93
68) m/p-Xylenes	11.84	106	62822	45.732	ug/l	99
69) o-Xylene	12.17	106	29208	22.766	ug/l	93
70) Styrene	12.18	104	48833	23.566	ug/l	97
71) Bromoform	12.35	173	8323	22.464	ug/l #	95
73) Isopropylbenzene	12.47	105	85231	21.641	ug/l	99
74) N-amyl acetate	12.27	43	14343	20.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	12503	21.435	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	18307	43.198	ug/l	30
77) Bromobenzene	12.75	156	18709	21.431	ug/l	94
78) n-propylbenzene	12.81	91	99801	22.517	ug/l	99
79) 2-Chlorotoluene	12.90	91	57347	21.384	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	73602	22.242	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4015	20.928	ug/l	95
82) 4-Chlorotoluene	12.99	91	60947	21.559	ug/l	97
83) tert-Butylbenzene	13.21	119	64855	22.242	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	73497	21.583	ug/l	99
85) sec-Butylbenzene	13.39	105	90632	22.769	ug/l	96
86) p-Isopropyltoluene	13.51	119	81550	22.805	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	38409	22.067	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	38068	21.756	ug/l	98
89) n-Butylbenzene	13.83	91	76041	22.938	ug/l	99
90) Hexachloroethane	14.10	117	14268	22.425	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	34480	22.118	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2495	21.314	ug/l	96

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

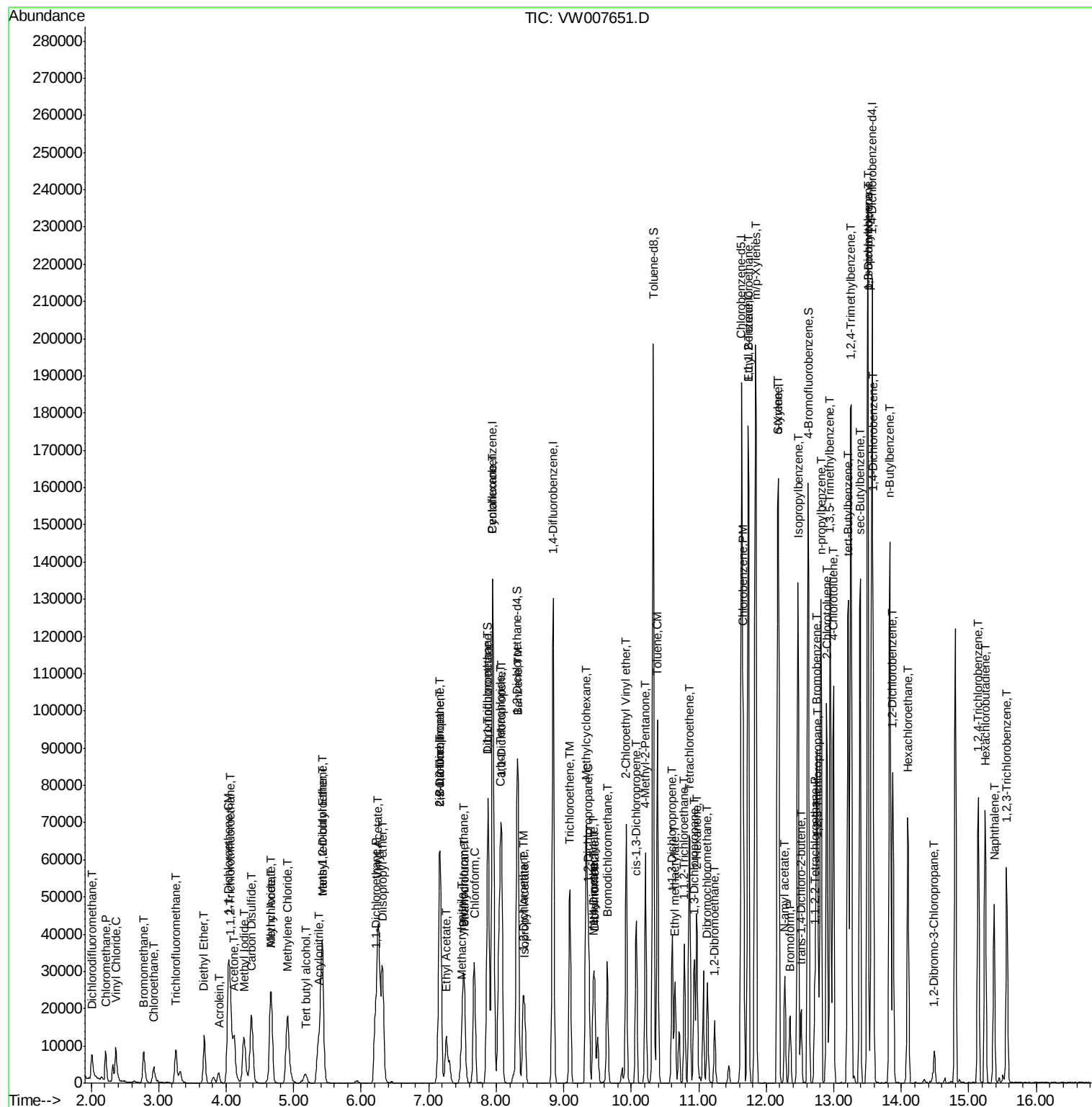
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23655	22.049	ug/l	95
94) Hexachlorobutadiene	15.24	225	12550	22.047	ug/l	99
95) Naphthalene	15.38	128	43153	21.026	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	20504	22.001	ug/l	98

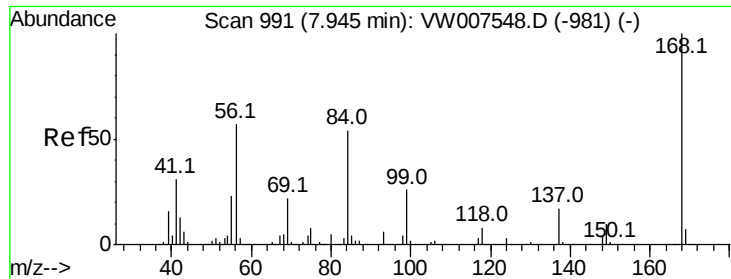
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

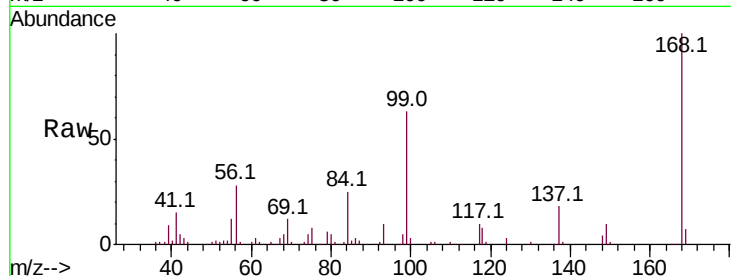
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 70249

Ion Ratio Lower Upper

168 100

99 63.3 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

30000

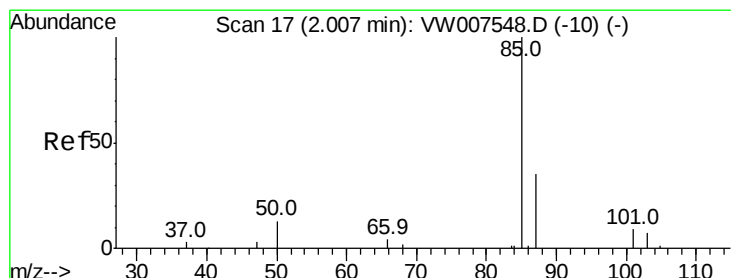
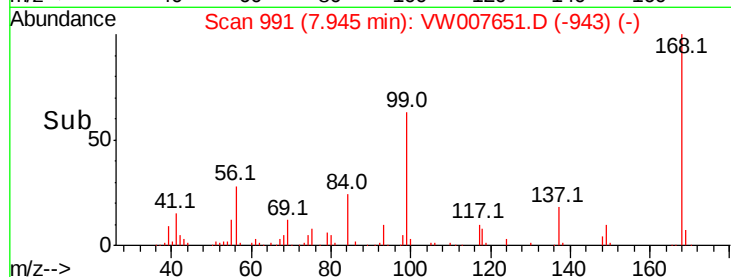
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 23.962 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007651.D

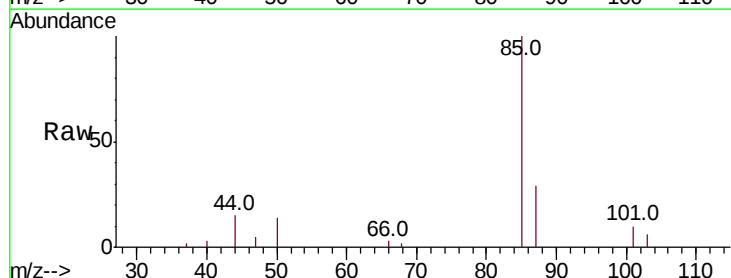
Acq: 18 Dec 2018 12:07

Tgt Ion: 85 Resp: 11763

Ion Ratio Lower Upper

85 100

87 29.5 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

4000

3000

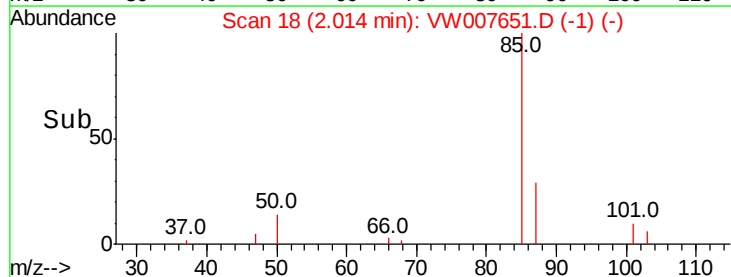
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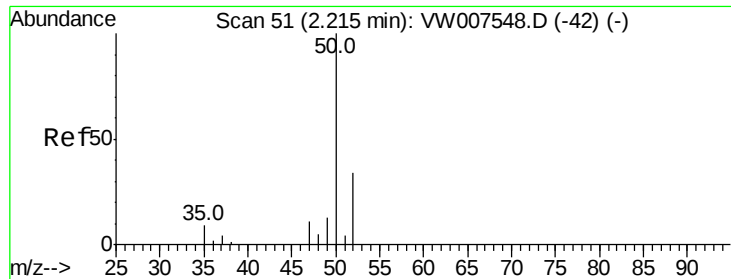
1000

0

Time-->

1.90 2.00 2.10





#3

Chloromethane

Concen: 18.359 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

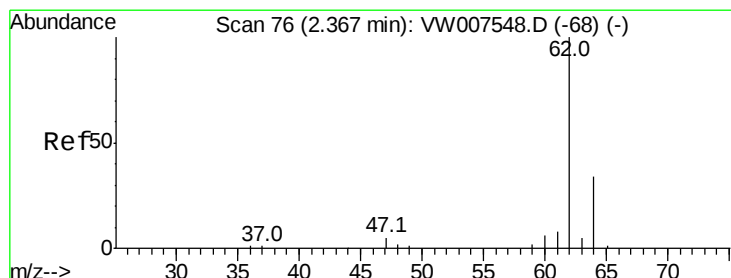
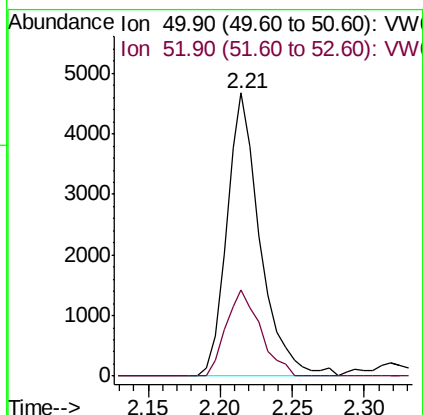
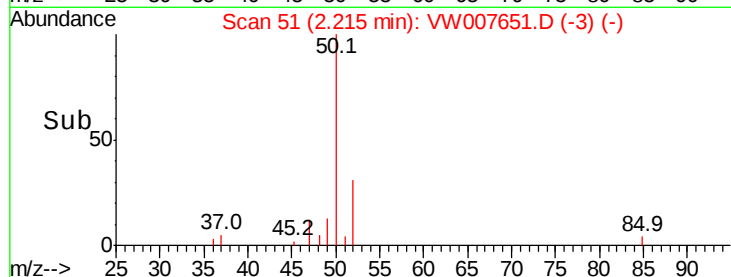
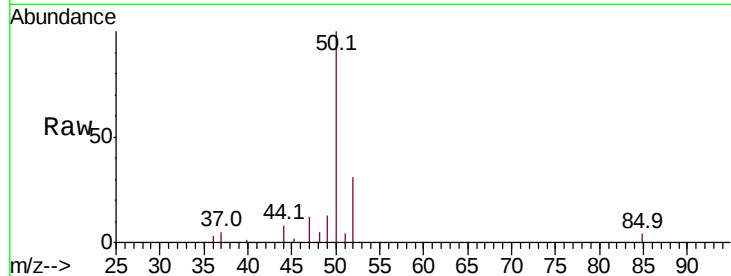
ClientSampleId :

Tot Ion: 50 Resp: 7548

Ion Ratio Lower Upper

50 100

52 30.6 27.4 41.0



#4

Vinyl Chloride

Concen: 20.759 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007651.D

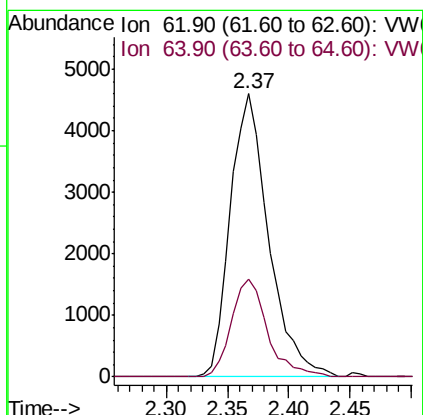
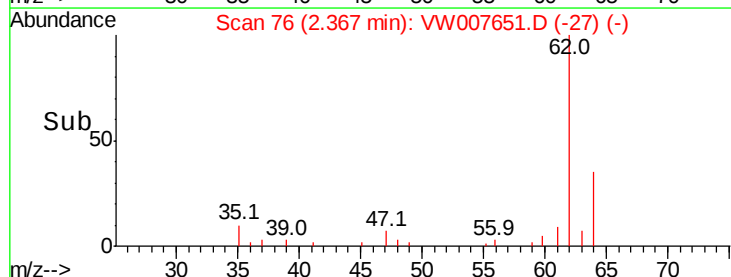
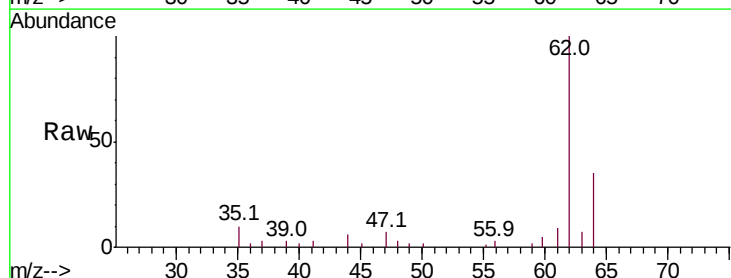
Acq: 18 Dec 2018 12:07

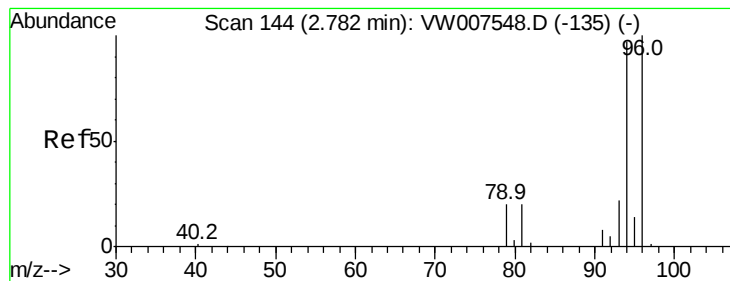
Tgt Ion: 62 Resp: 10016

Ion Ratio Lower Upper

62 100

64 34.6 24.6 37.0





#5

Bromomethane

Concen: 20.434 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

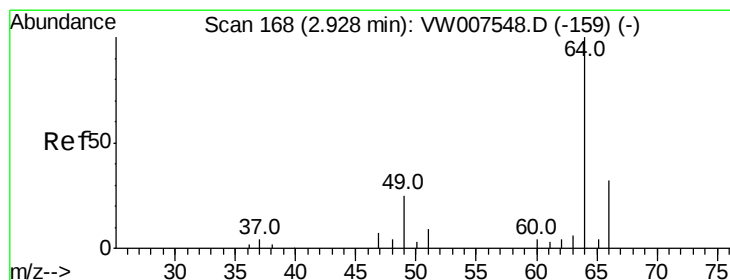
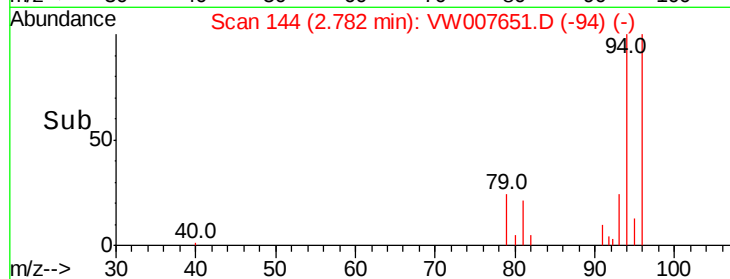
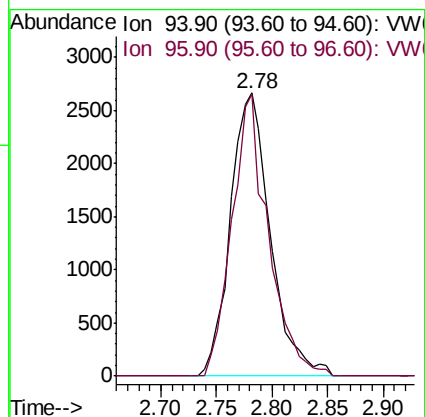
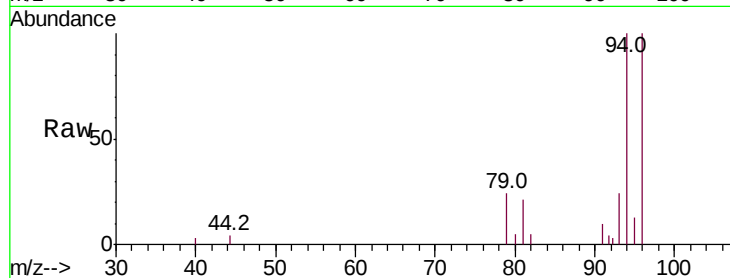
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 6624

Ion Ratio Lower Upper

94 100

96 99.6 71.0 106.4



#6

Chloroethane

Concen: 20.810 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007651.D

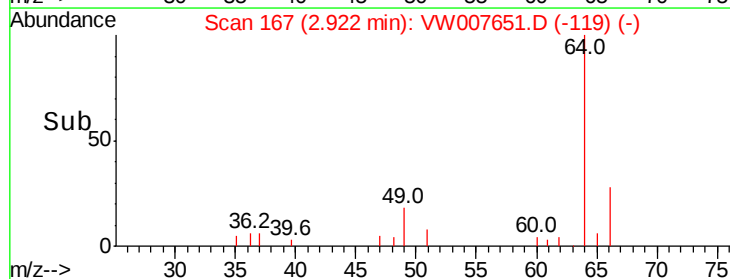
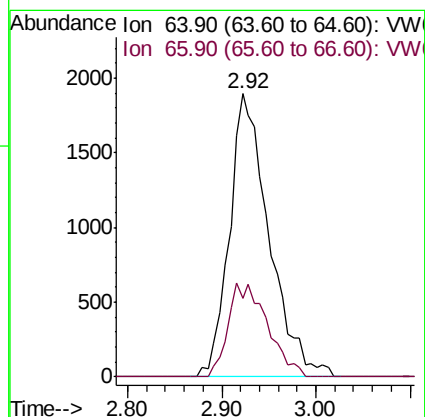
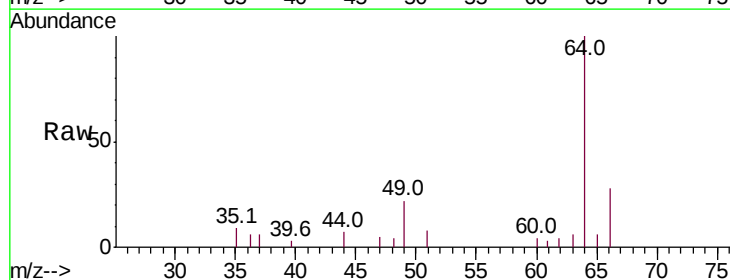
Acq: 18 Dec 2018 12:07

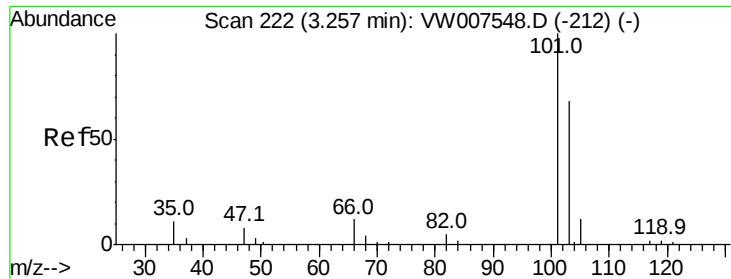
Tgt Ion: 64 Resp: 5527

Ion Ratio Lower Upper

64 100

66 27.9 24.6 37.0



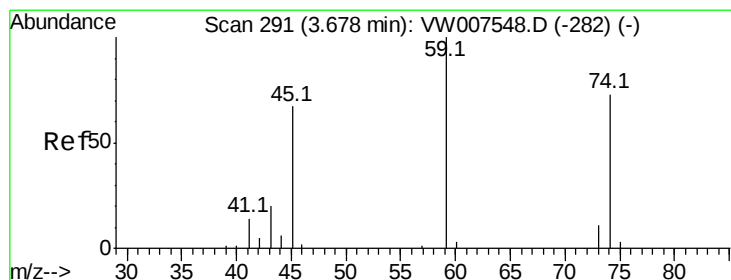
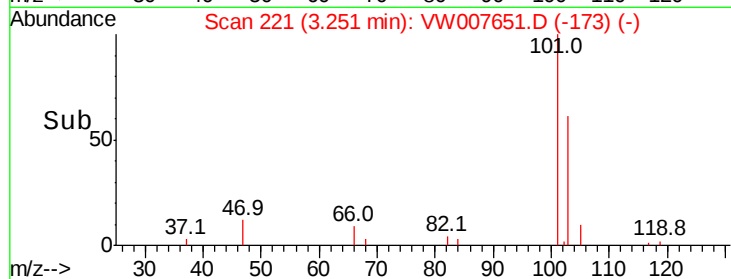
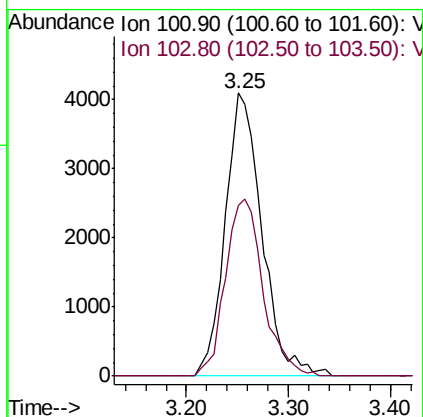
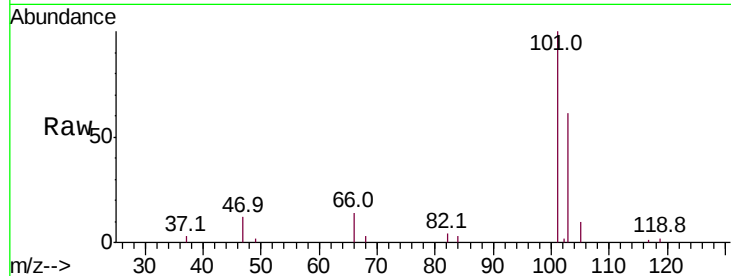


#7

Trichlorofluoromethane
 Concen: 23.519 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Instrument :
 MSVOA_W
 ClientSampleId :

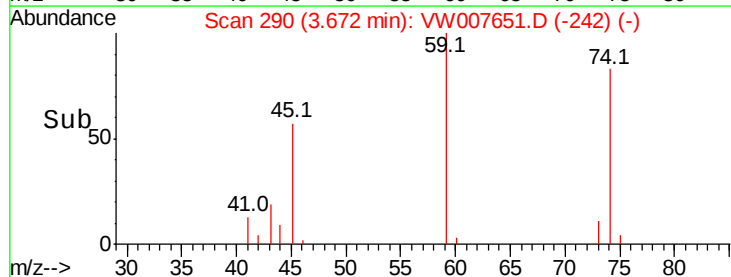
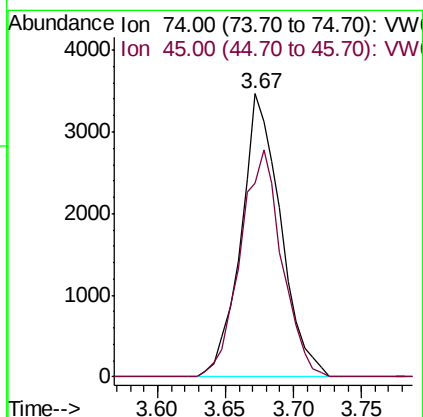
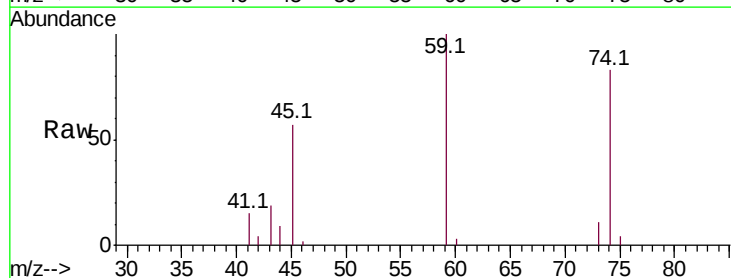
Tot Ion:101 Resp: 10202
 Ion Ratio Lower Upper
 101 100
 103 60.5 51.7 77.5

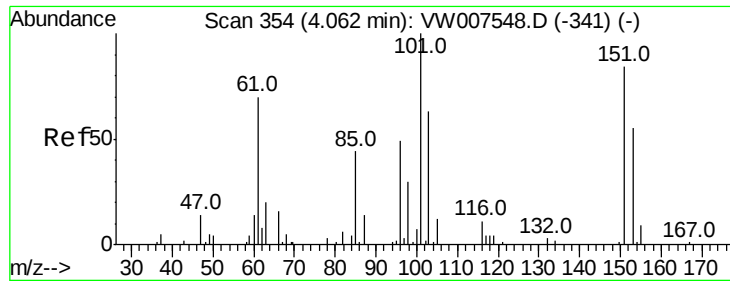


#8

Diethyl Ether
 Concen: 20.763 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion: 74 Resp: 7049
 Ion Ratio Lower Upper
 74 100
 45 84.3 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.740 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampled :

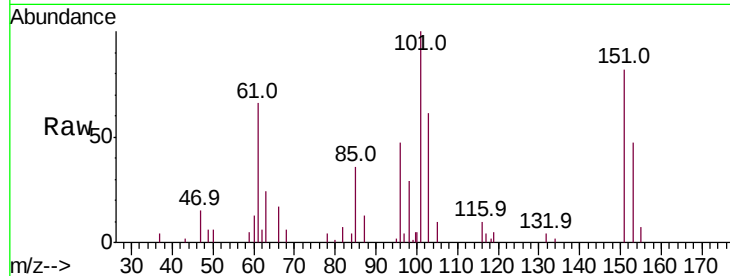
Tot Ion:101 Resp: 15560

Ion Ratio Lower Upper

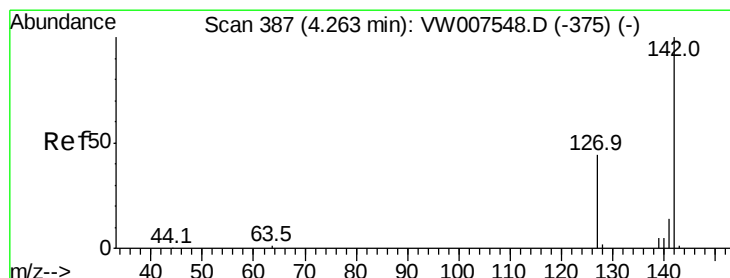
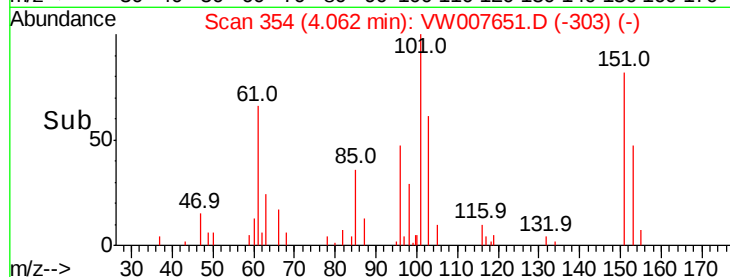
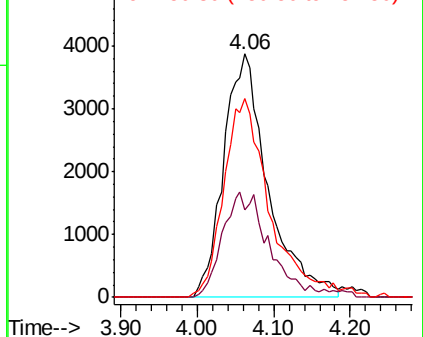
101 100

85 46.2 33.9 50.9

151 83.8 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VW
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.679 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

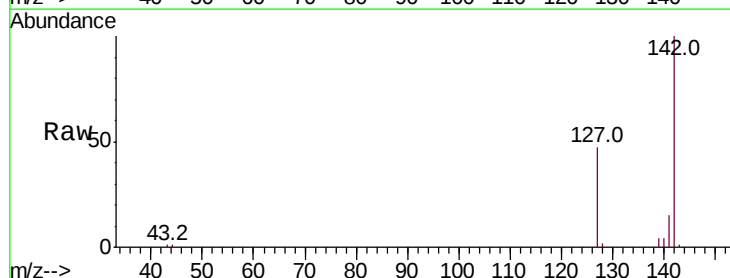
Tgt Ion:142 Resp: 24513

Ion Ratio Lower Upper

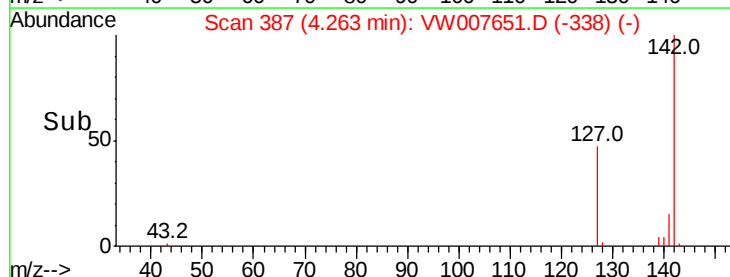
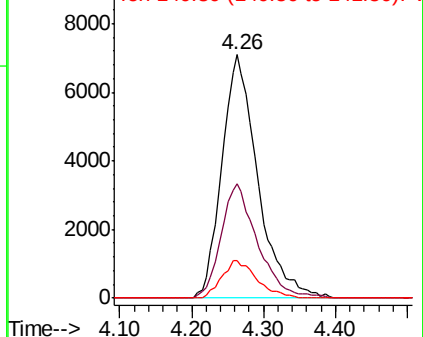
142 100

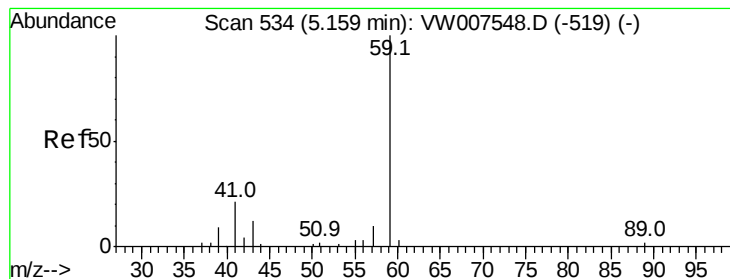
127 47.5 35.8 53.6

141 15.0 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



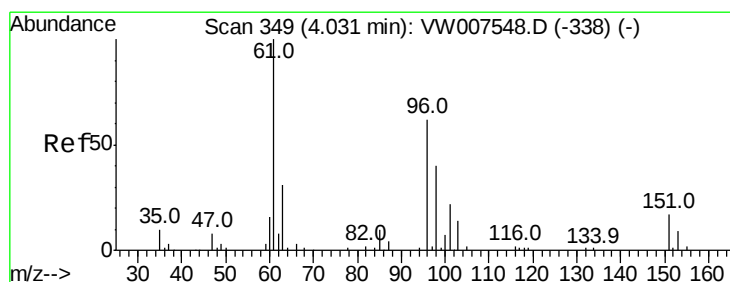
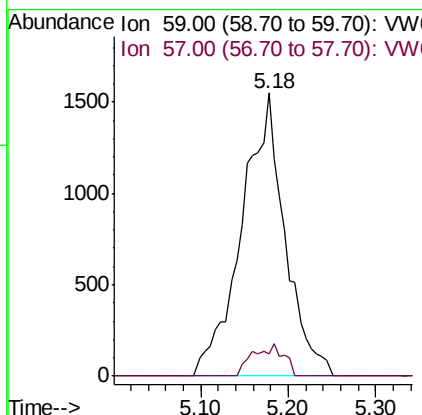
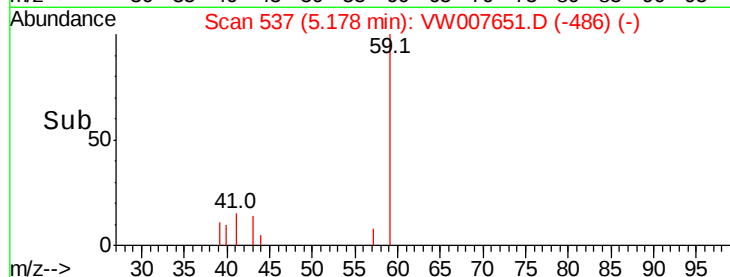
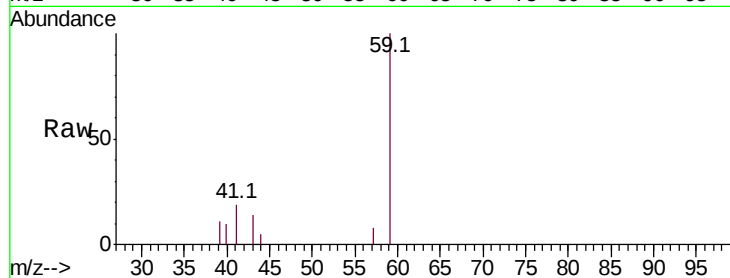


#11

Tert butyl alcohol
 Concen: 99.990 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Instrument :
 MSVOA_W
 ClientSampled :

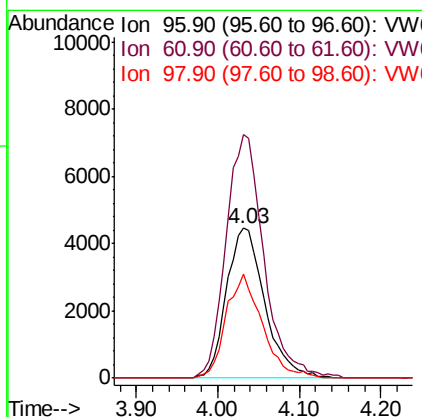
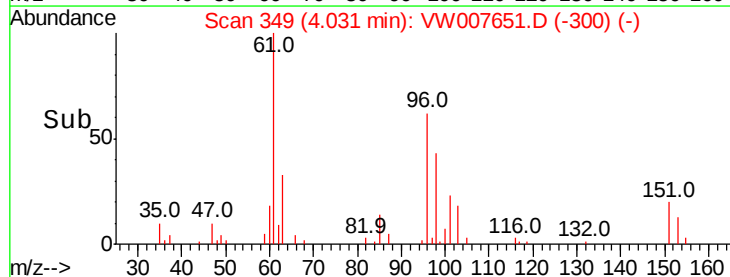
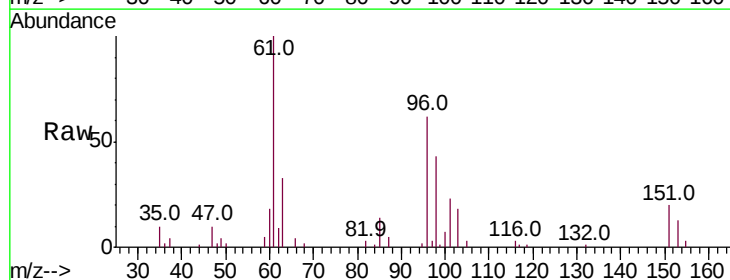
Tot Ion: 59 Resp: 5352
 Ion Ratio Lower Upper
 59 100
 57 8.0 7.6 11.4

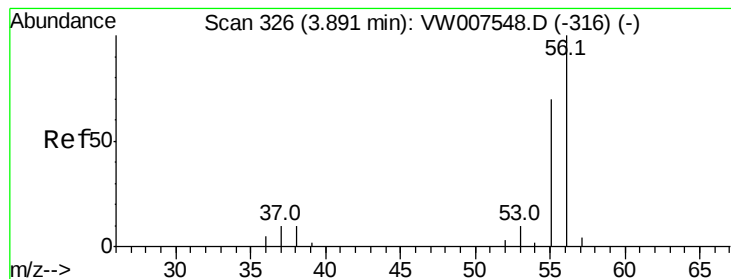


#12

1,1-Dichloroethene
 Concen: 21.080 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion: 96 Resp: 14527
 Ion Ratio Lower Upper
 96 100
 61 162.5 126.2 189.2
 98 69.9 48.3 72.5





#13

Acrolein

Concen: 94.191 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

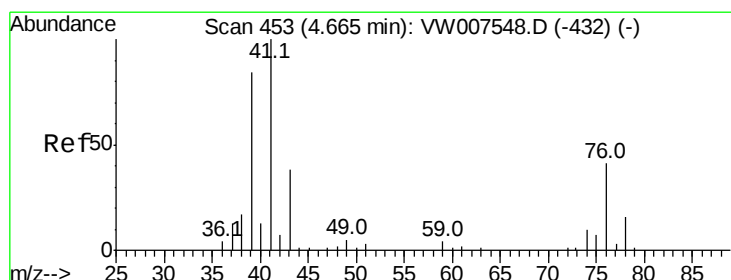
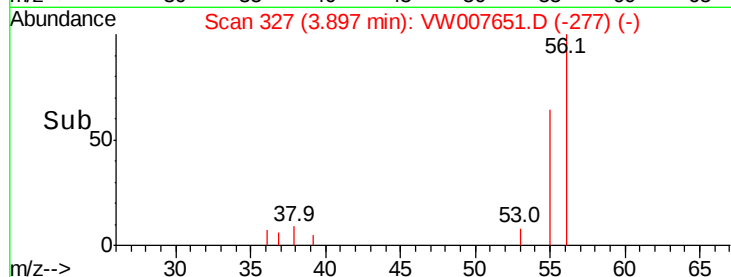
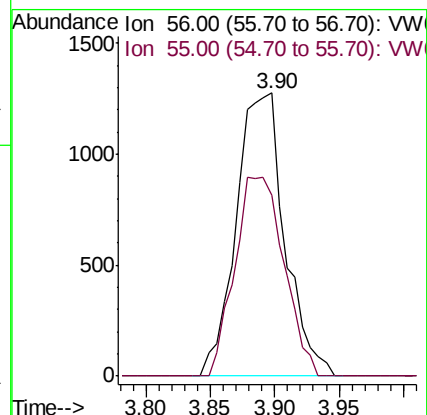
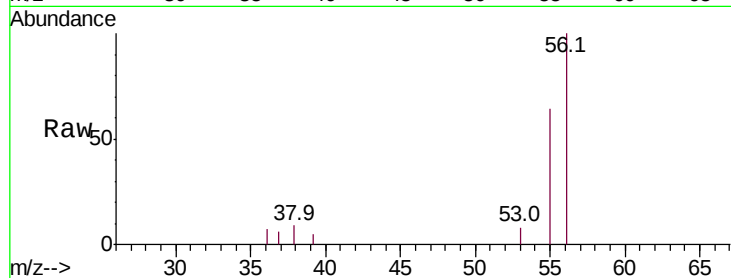
ClientSampled :

Tot Ion: 56 Resp: 3336

Ion Ratio Lower Upper

56 100

55 71.4 57.4 86.2



#14

Allyl chloride

Concen: 19.180 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

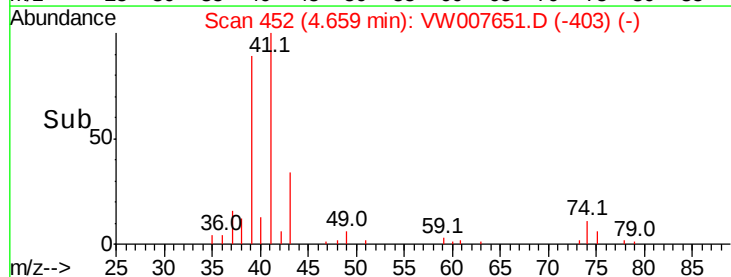
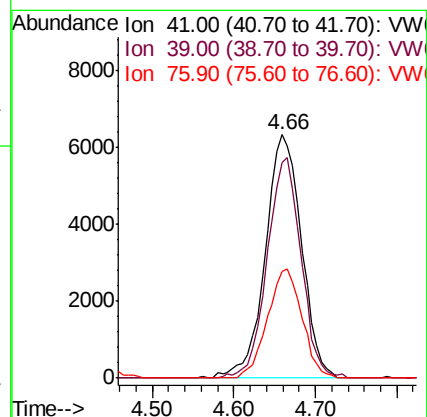
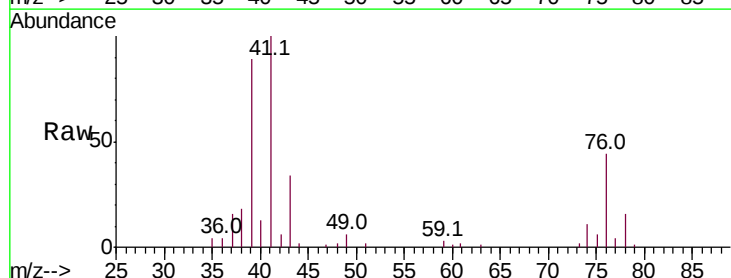
Tgt Ion: 41 Resp: 19483

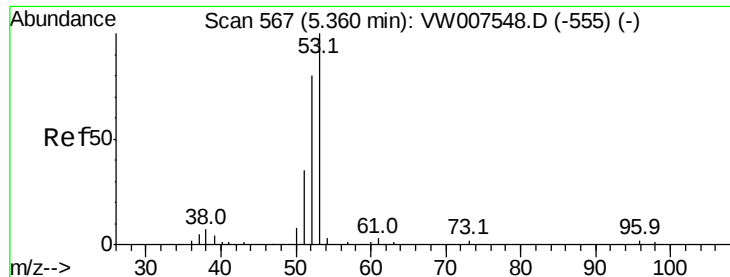
Ion Ratio Lower Upper

41 100

39 85.0 63.4 95.2

76 42.5 32.1 48.1





#15

Acrylonitrile

Concen: 95.346 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampleId :

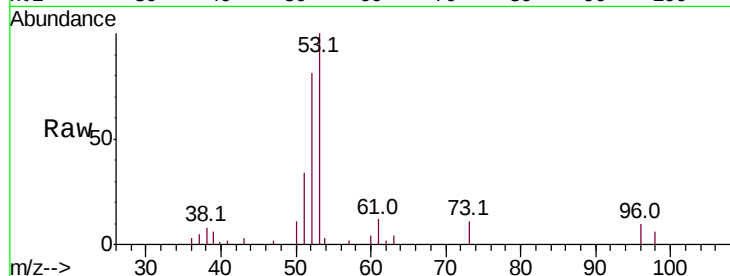
Tot Ion: 53 Resp: 13646

Ion Ratio Lower Upper

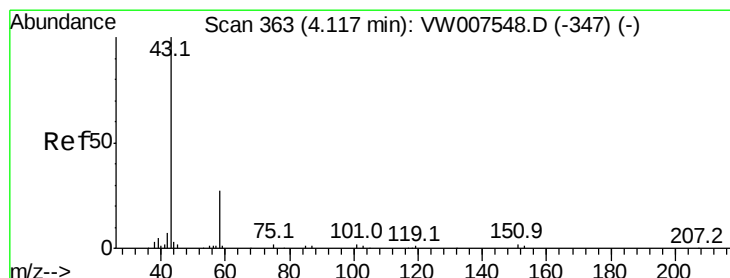
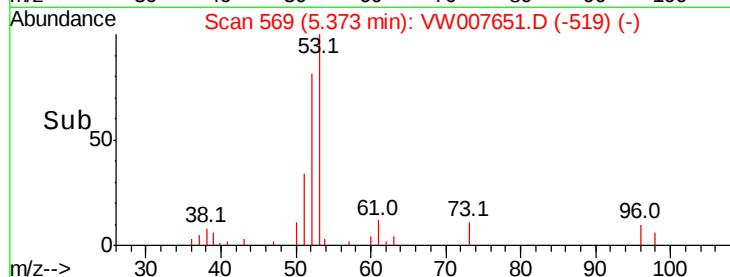
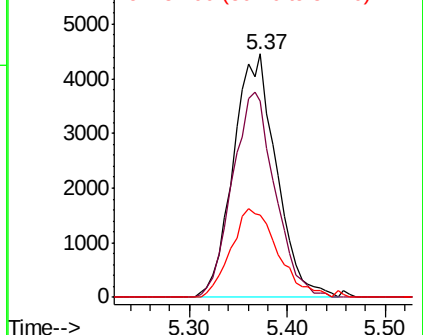
53 100

52 83.4 67.4 101.2

51 39.5 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: 113.222 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007651.D

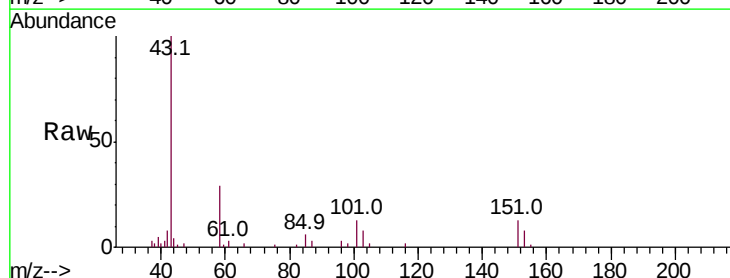
Acq: 18 Dec 2018 12:07

Tgt Ion: 43 Resp: 15413

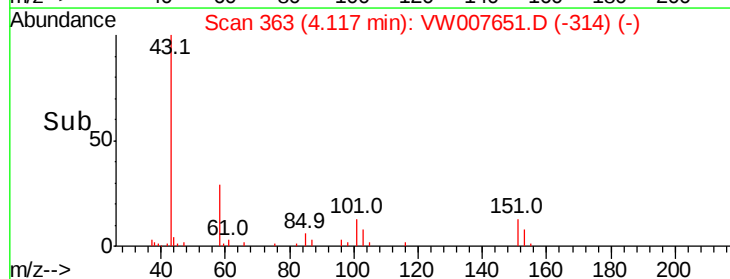
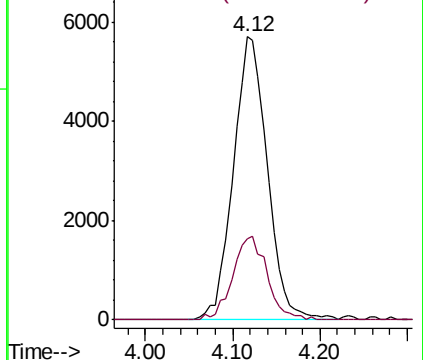
Ion Ratio Lower Upper

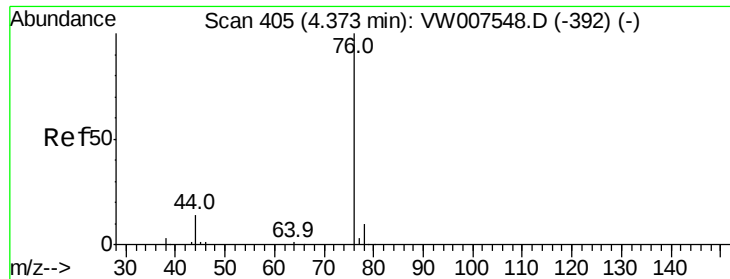
43 100

58 28.6 24.9 37.3



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

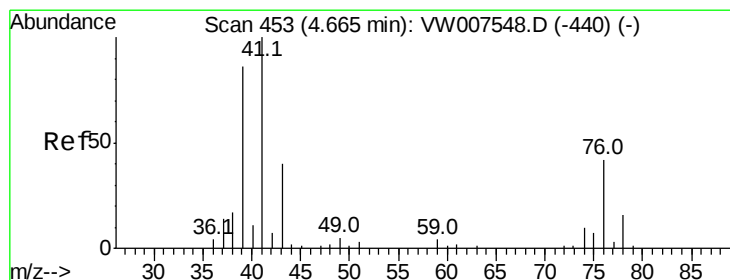
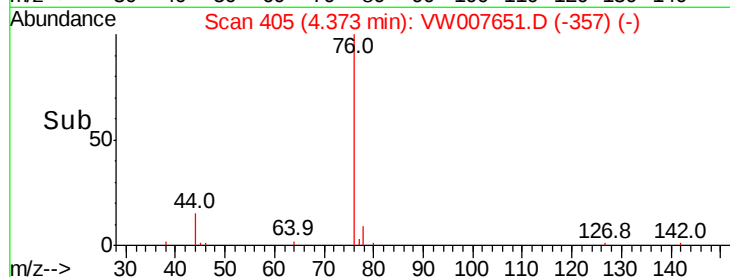
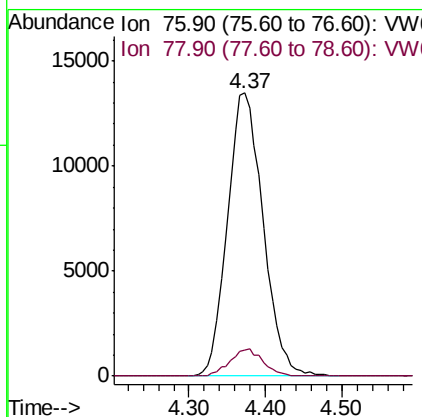
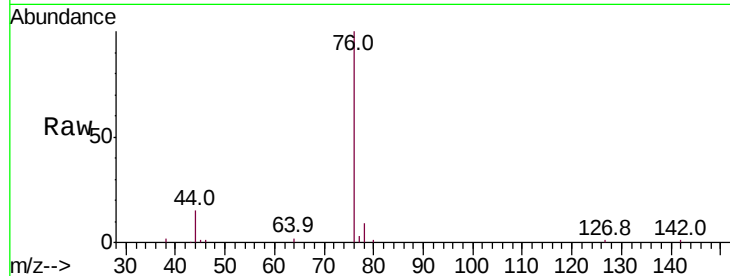




#17
Carbon Disulfide
Concen: 20.800 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

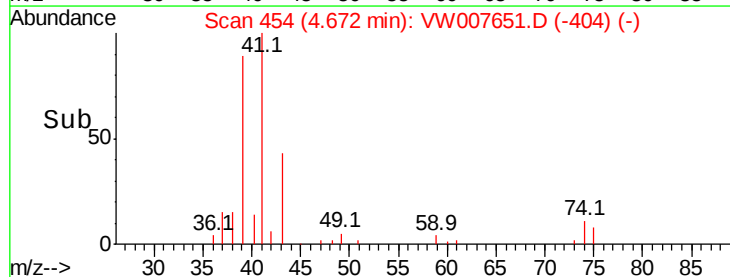
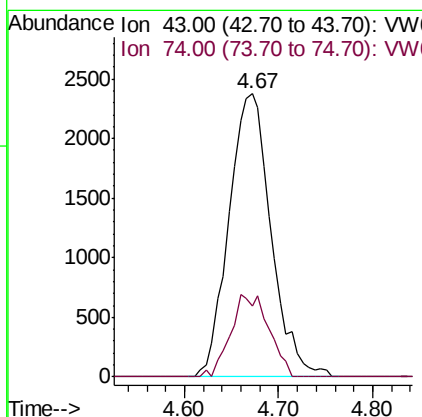
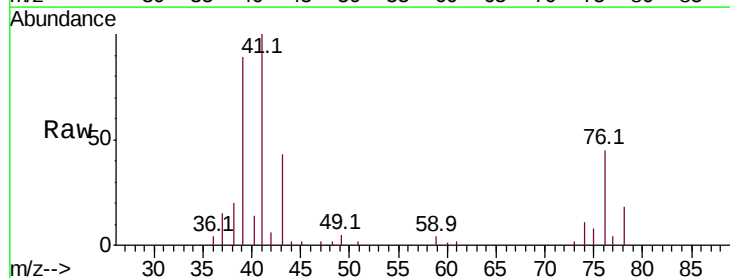
Instrument :
MSVOA_W
ClientSampled :

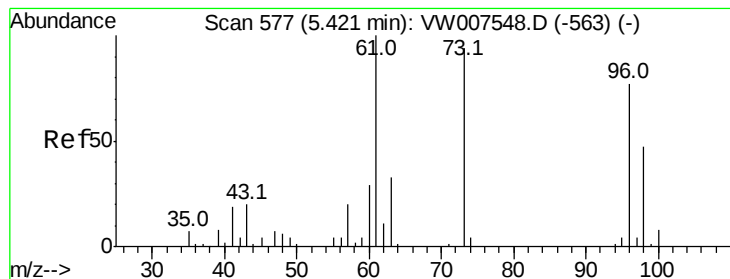
Tot Ion: 76 Resp: 43460
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 20.039 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 43 Resp: 7404
Ion Ratio Lower Upper
43 100
74 26.4 21.1 31.7



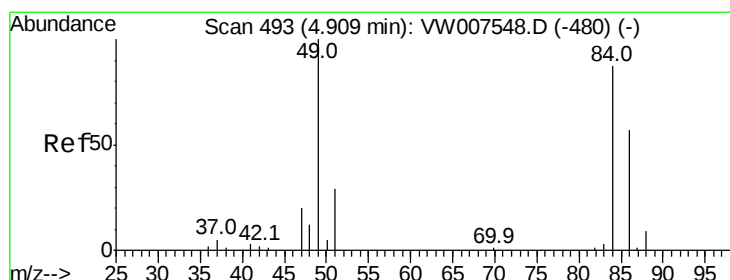
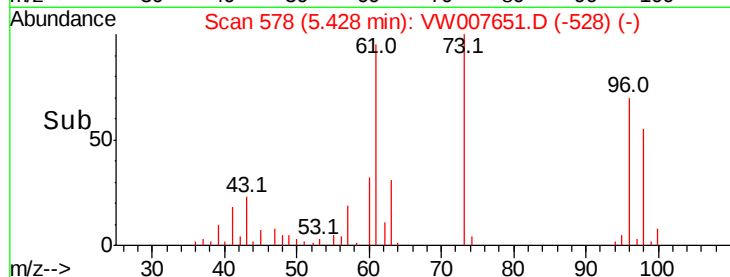
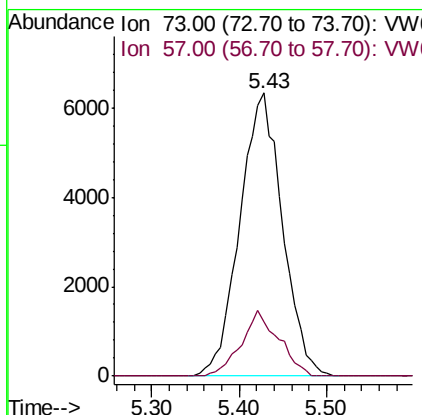
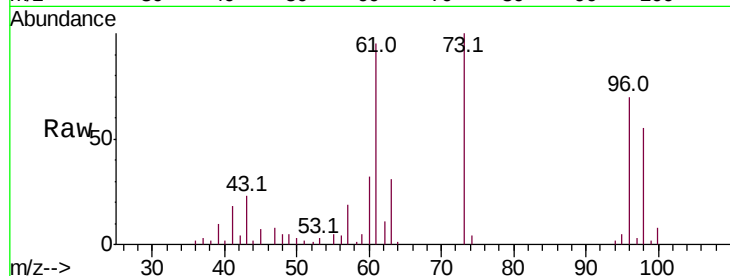


#19

Methyl tert-butyl Ether
 Concen: 20.592 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Instrument :
 MSVOA_W
 ClientSampleId :

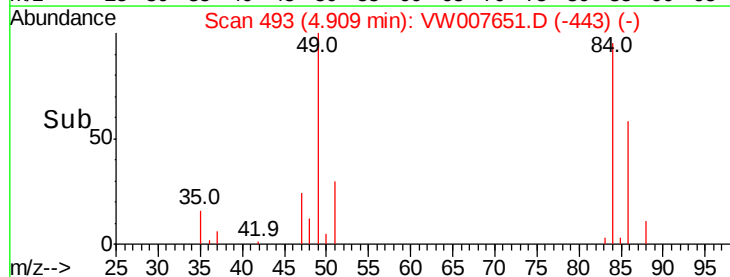
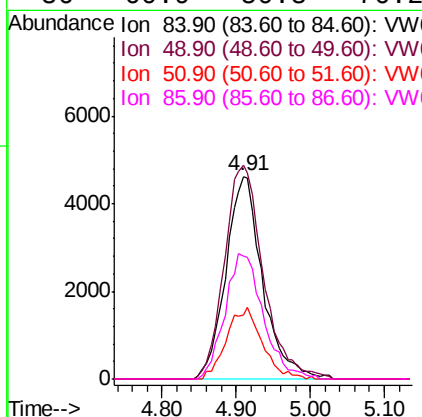
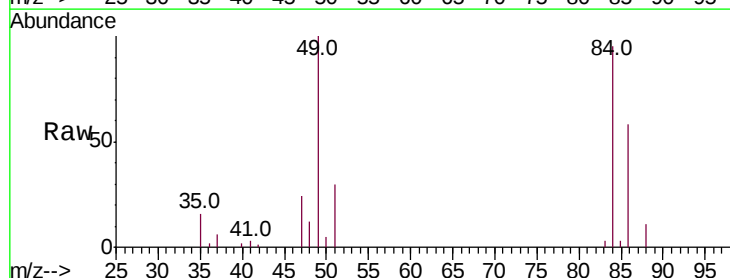
Tot Ion: 73 Resp: 21407
 Ion Ratio Lower Upper
 73 100
 57 19.1 16.4 24.6

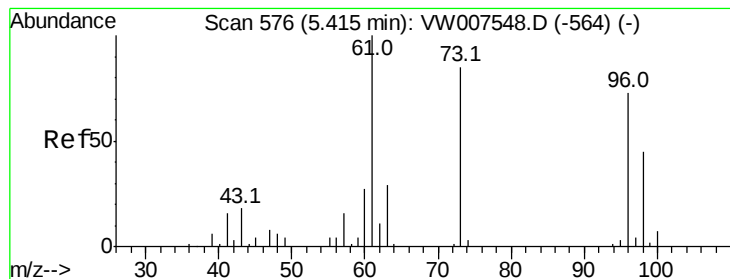


#20

Methylene Chloride
 Concen: 18.950 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion: 84 Resp: 15918
 Ion Ratio Lower Upper
 84 100
 49 105.4 87.1 130.7
 51 31.5 28.2 42.2
 86 60.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.314 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampleId :

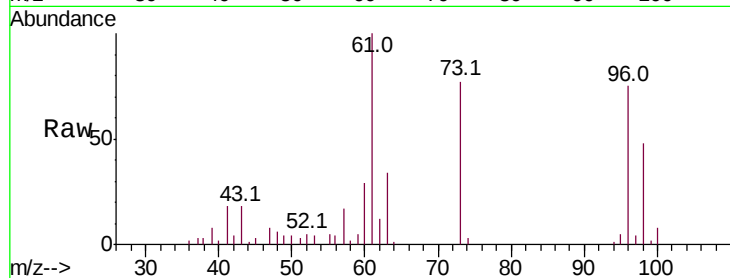
Tot Ion: 96 Resp: 15660

Ion Ratio Lower Upper

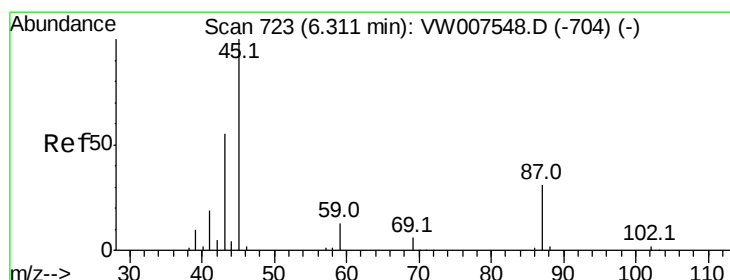
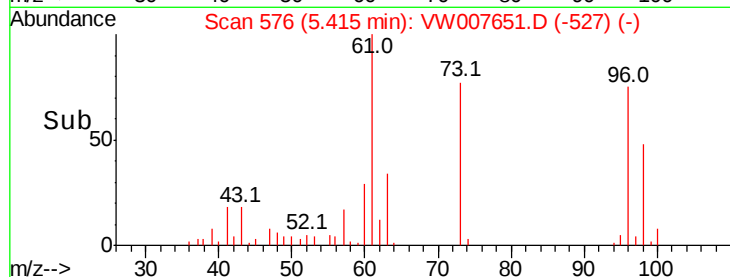
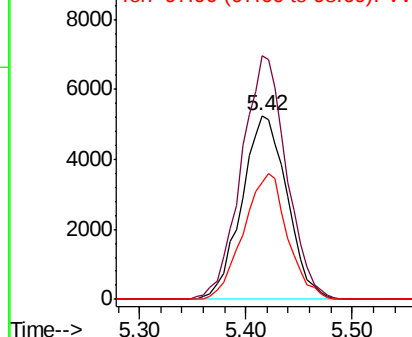
96 100

61 132.6 105.0 157.6

98 63.6 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: 19.468 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Tgt Ion: 45 Resp: 38011

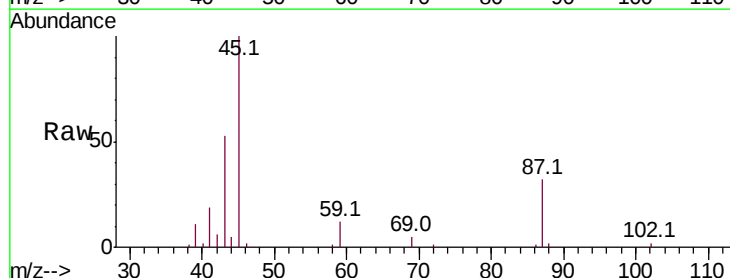
Ion Ratio Lower Upper

45 100

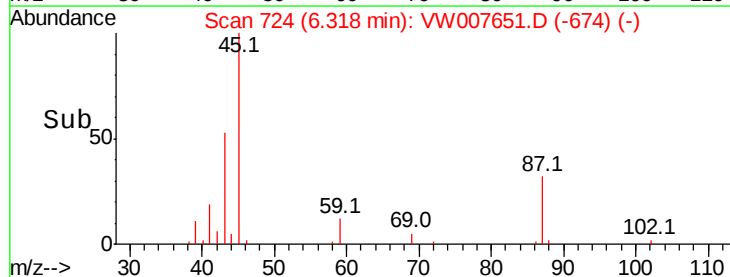
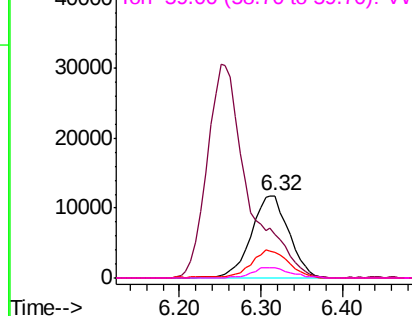
43 52.5 41.6 62.4

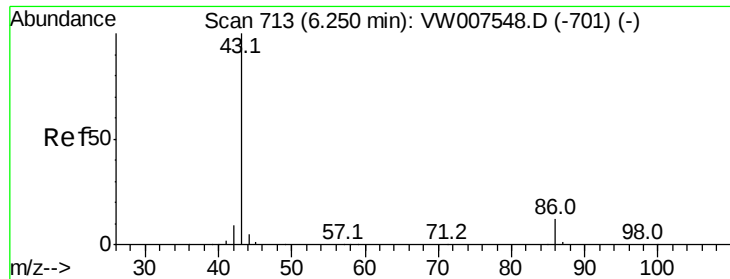
87 31.7 24.3 36.5

59 12.4 9.4 14.0



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





#23

Vinyl Acetate

Concen: 97.613 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

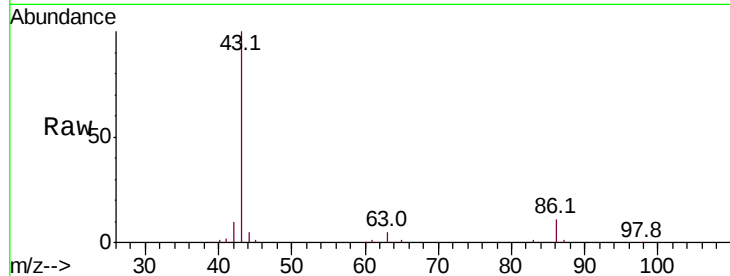
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 106602

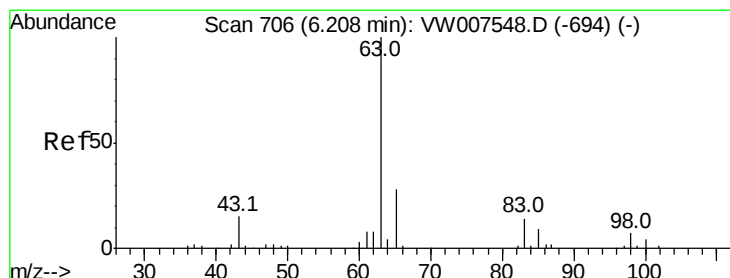
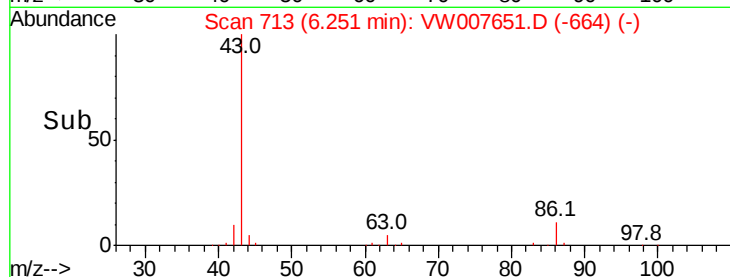
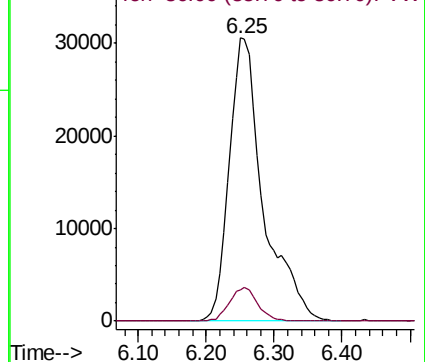
Ion Ratio Lower Upper

43 100

86 11.0 8.6 12.8



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



#24

1,1-Dichloroethane

Concen: 19.964 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

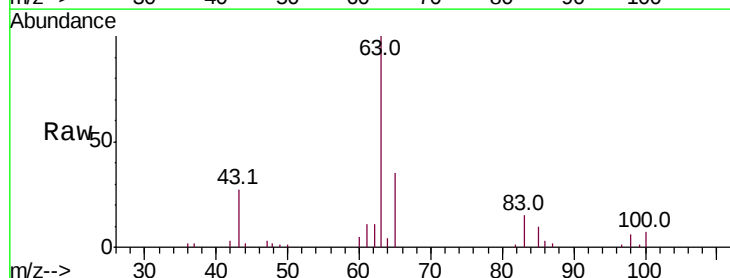
Tgt Ion: 63 Resp: 26344

Ion Ratio Lower Upper

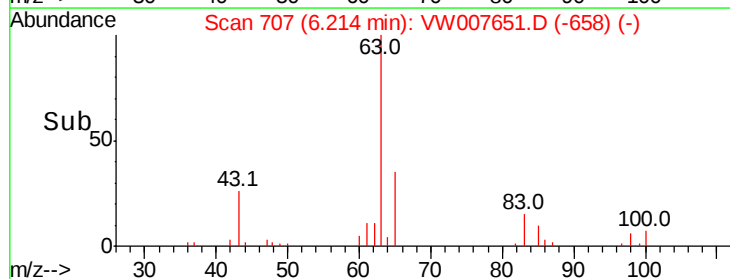
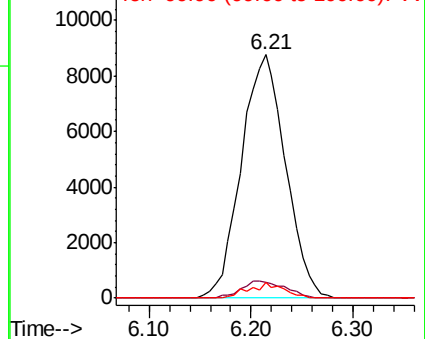
63 100

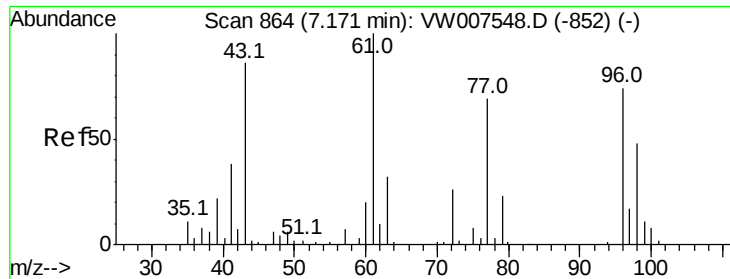
98 6.2 3.5 10.4

100 6.5 2.5 7.5



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





#25

2-Butanone

Concen: 96.912 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

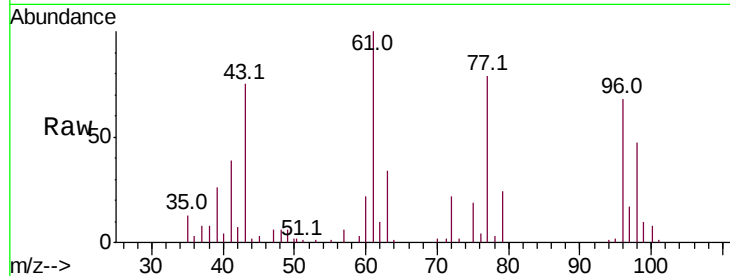
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 17223

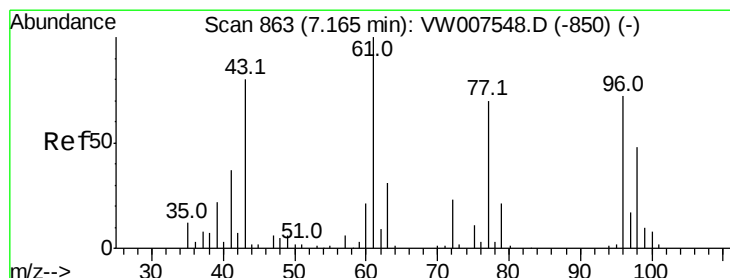
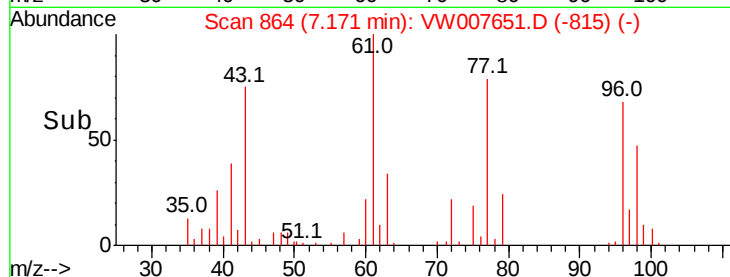
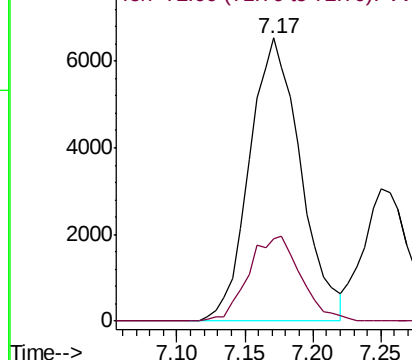
Ion Ratio Lower Upper

43 100

72 29.1 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 23.392 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007651.D

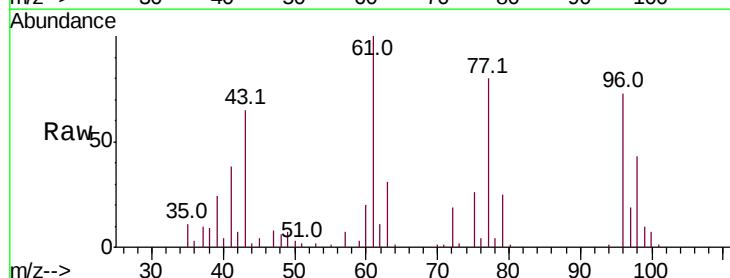
Acq: 18 Dec 2018 12:07

Tgt Ion: 77 Resp: 20429

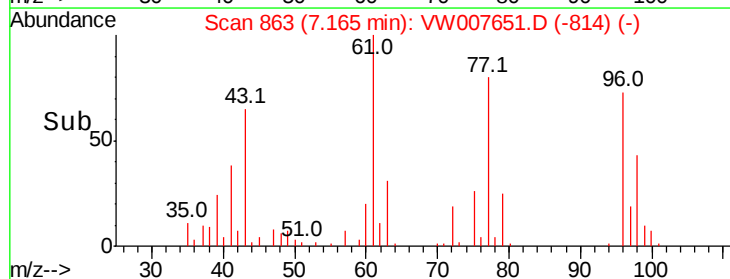
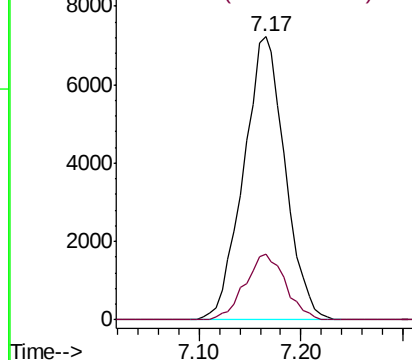
Ion Ratio Lower Upper

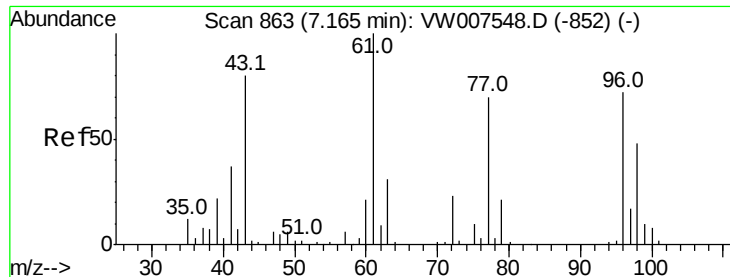
77 100

97 22.8 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



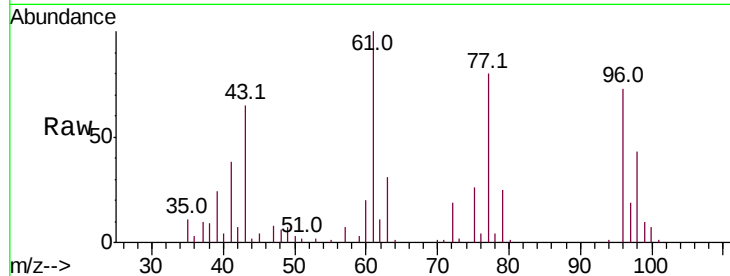


#27

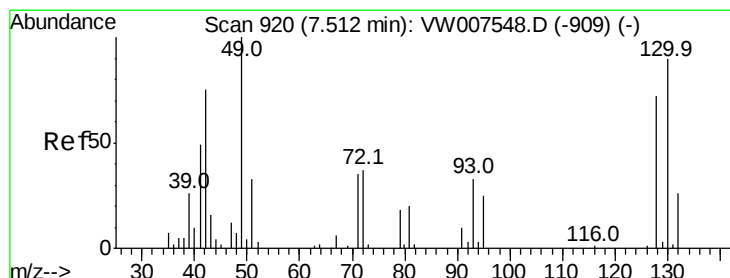
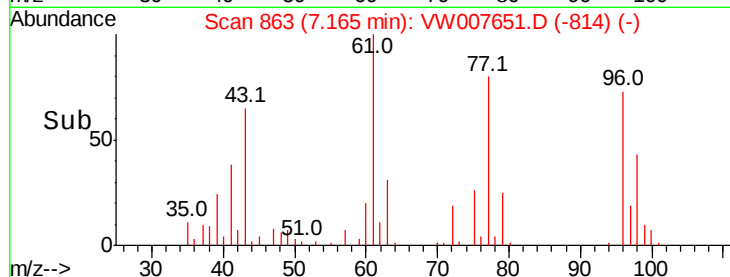
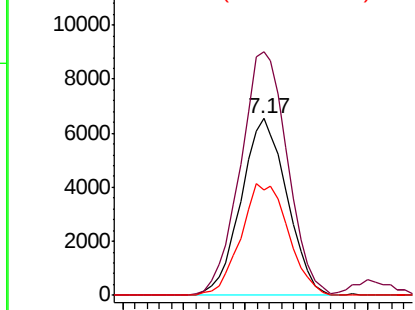
cis-1,2-Dichloroethene
Concen: 20.203 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 17053
Ion Ratio Lower Upper
96 100
61 141.5 0.0 268.4
98 65.3 0.0 127.8



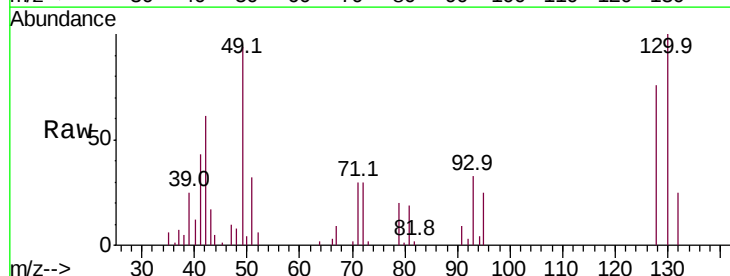
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



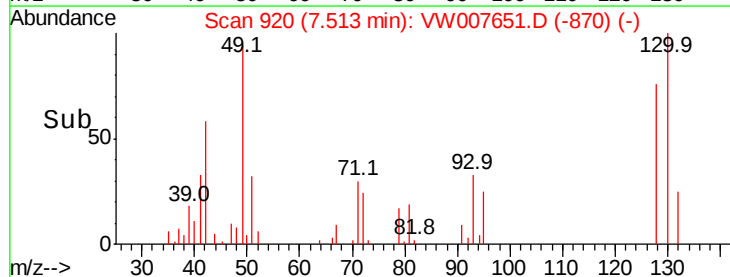
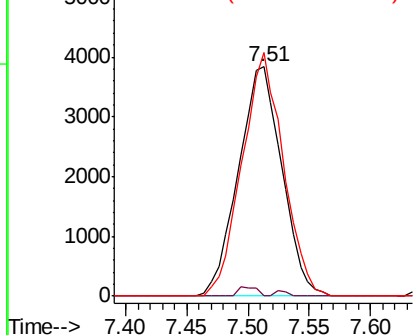
#28

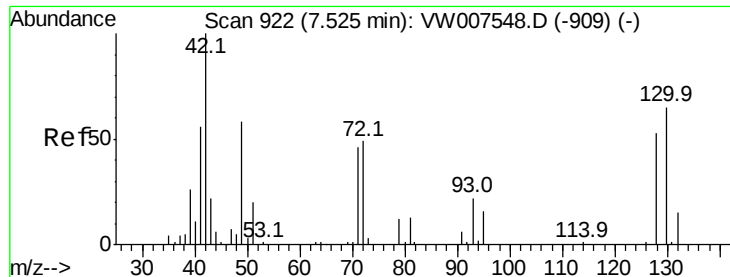
Bromochloromethane
Concen: 19.115 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 49 Resp: 9488
Ion Ratio Lower Upper
49 100
129 0.6 0.0 2.6
130 100.8 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: 94.047 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampleId :

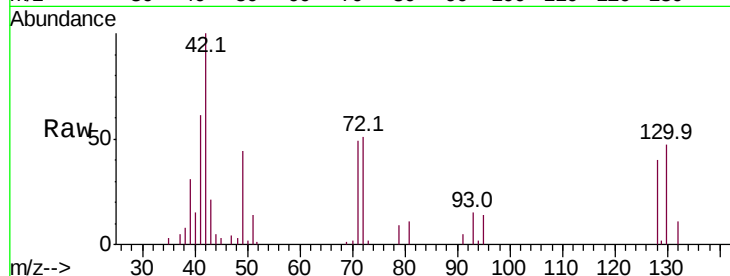
Tot Ion: 42 Resp: 10581

Ion Ratio Lower Upper

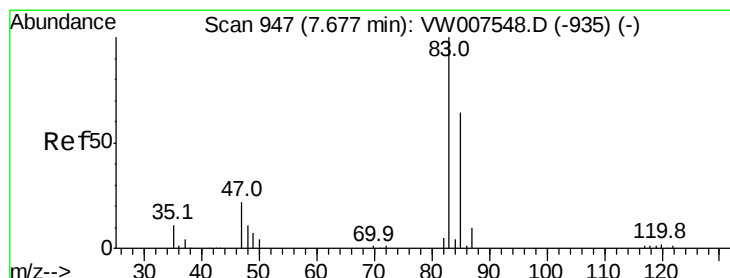
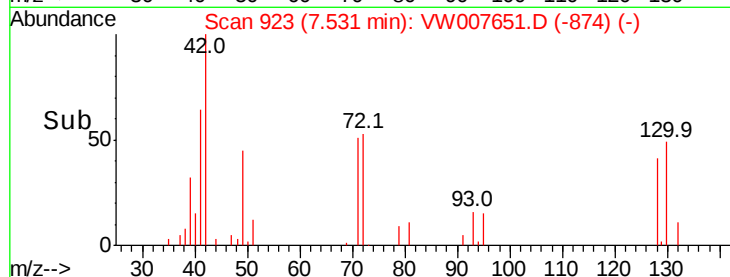
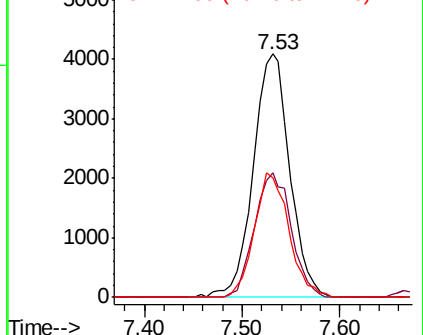
42 100

72 51.4 38.2 57.4

71 48.4 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: 20.735 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007651.D

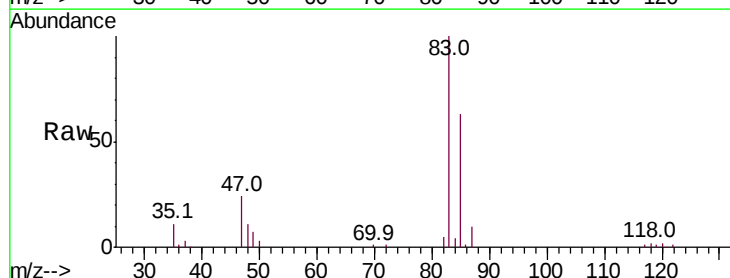
Acq: 18 Dec 2018 12:07

Tgt Ion: 83 Resp: 29776

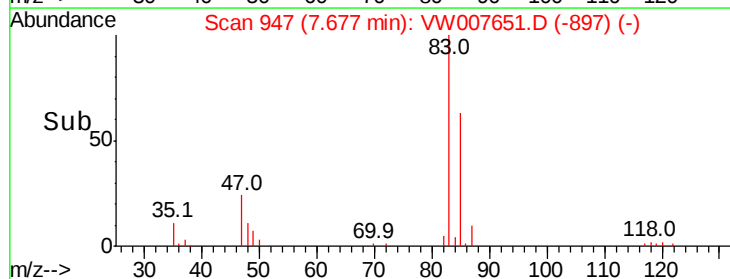
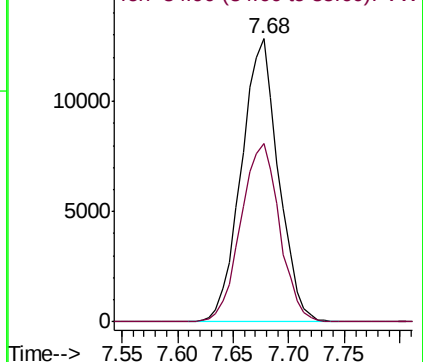
Ion Ratio Lower Upper

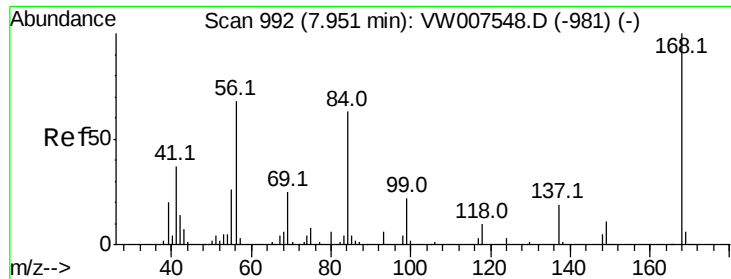
83 100

85 63.2 51.8 77.8



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

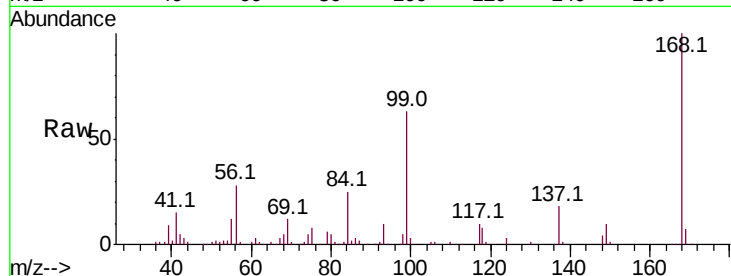




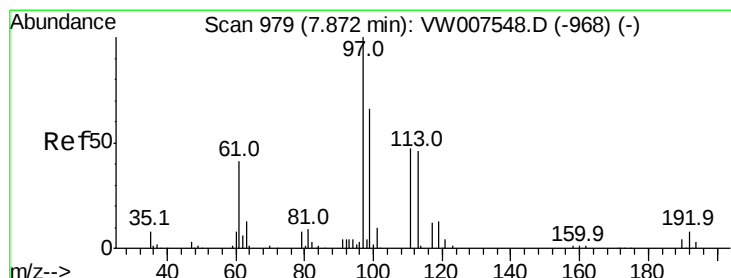
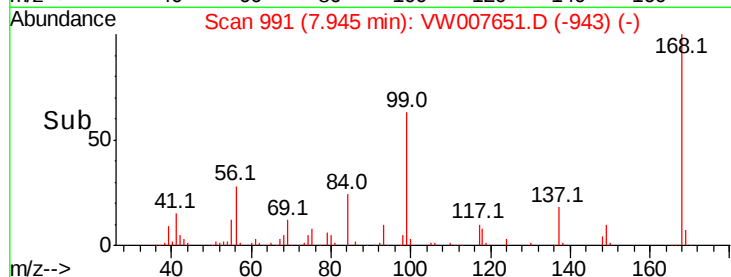
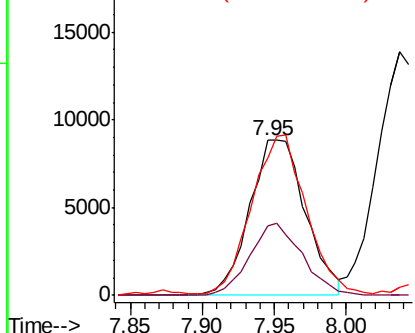
#31
Cyclohexane
Concen: 19.637 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 23775
Ion Ratio Lower Upper
56 100
69 44.7 28.9 43.3#
84 87.5 71.8 107.6

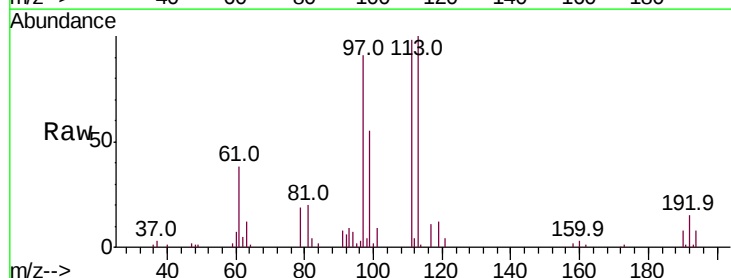


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

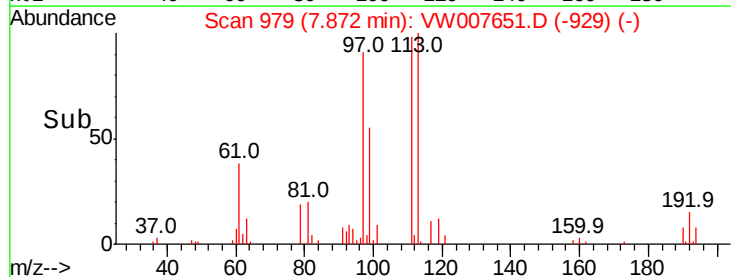
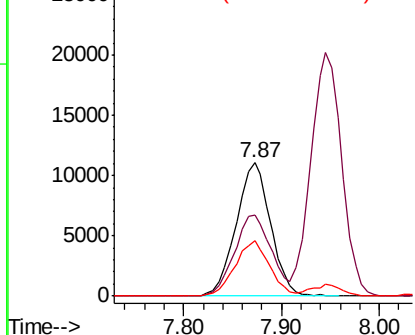


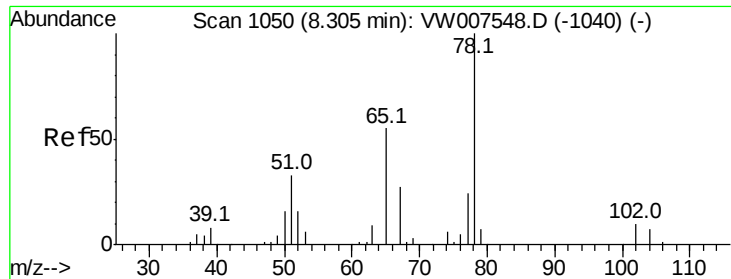
#32
1,1,1-Trichloroethane
Concen: 21.523 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 97 Resp: 27104
Ion Ratio Lower Upper
97 100
99 65.3 51.1 76.7
61 41.5 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

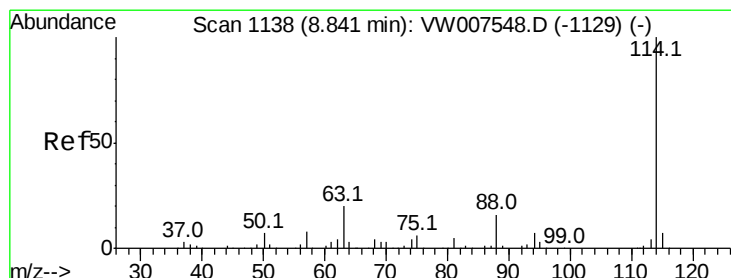
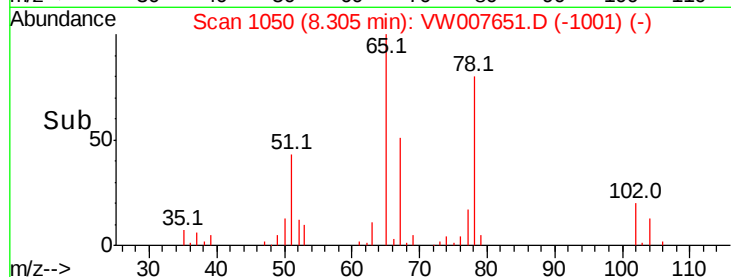
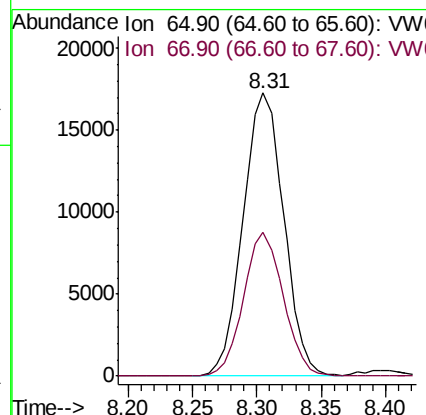
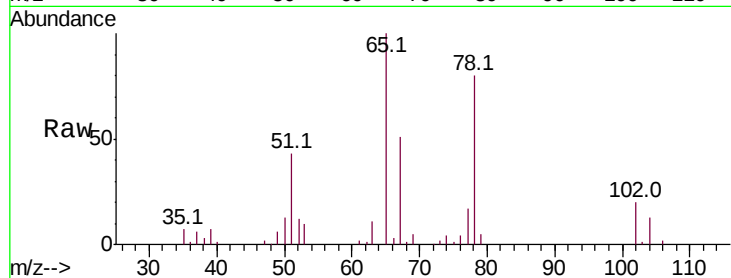




#33
 1,2-Dichloroethane-d4
 Concen: 48.563 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

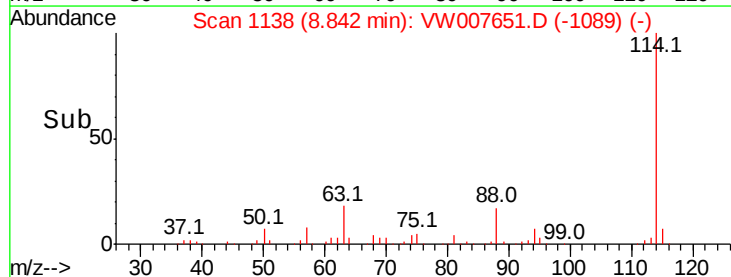
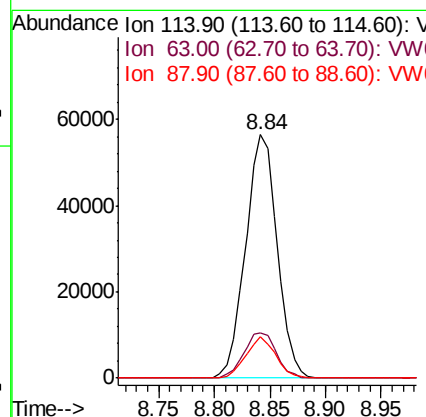
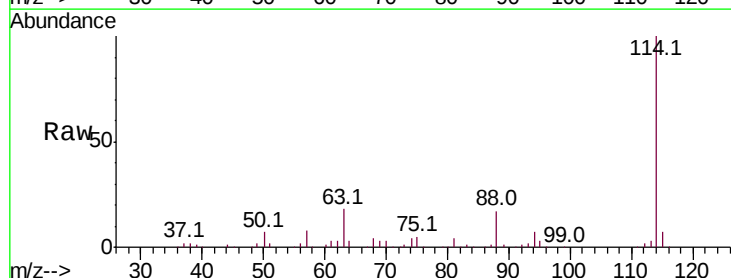
Instrument :
 MSVOA_W
 ClientSampleId :

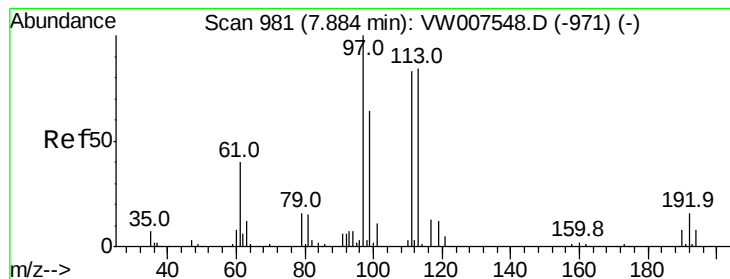
Tot Ion: 65 Resp: 37848
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion: 114 Resp: 111047
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.6
 88 17.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.618 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampleId :

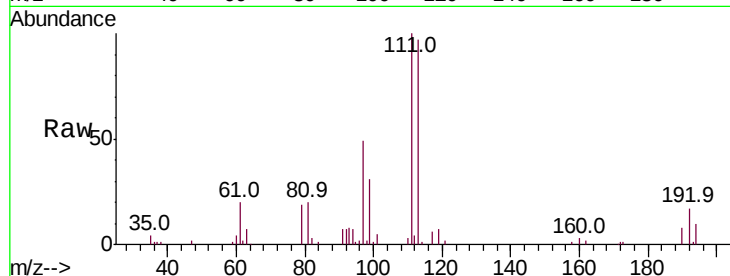
Tot Ion:113 Resp: 34698

Ion Ratio Lower Upper

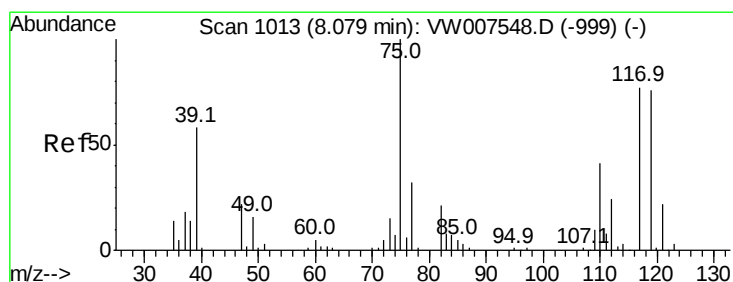
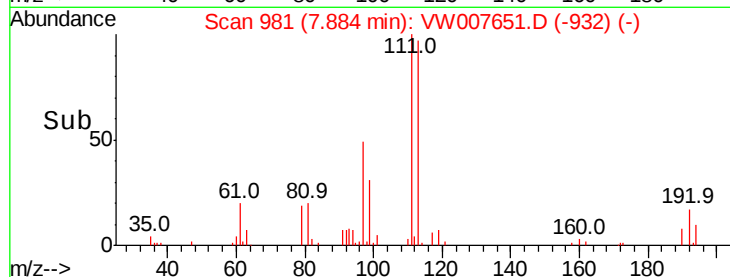
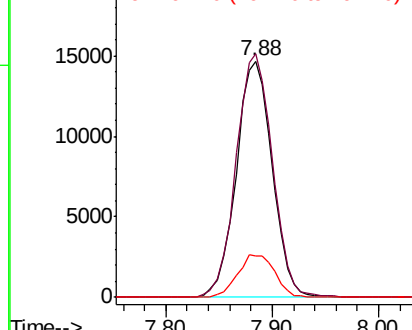
113 100

111 104.4 81.1 121.7

192 18.6 14.6 21.8



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



#36

1,1-Dichloropropene

Concen: 22.381 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

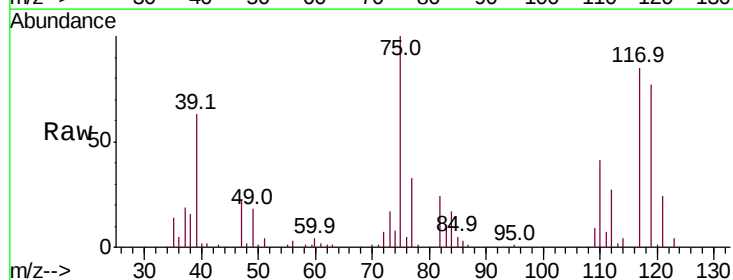
Tgt Ion: 75 Resp: 22672

Ion Ratio Lower Upper

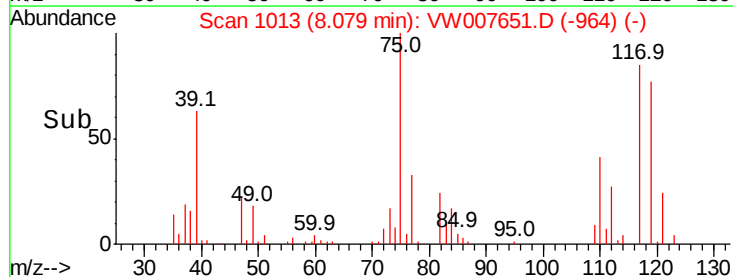
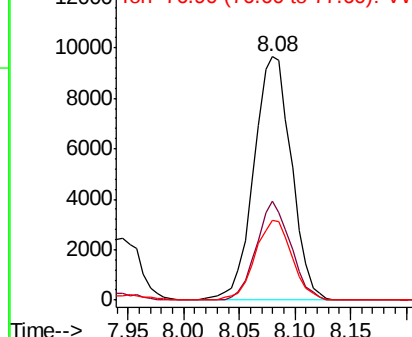
75 100

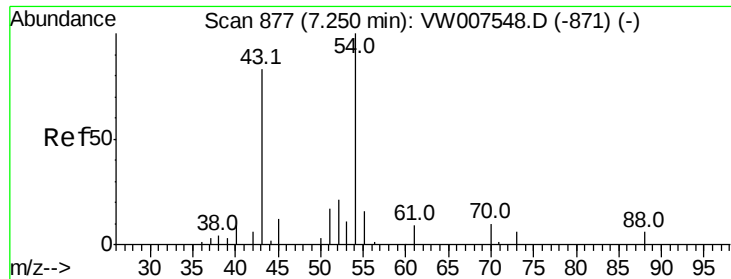
110 37.0 18.5 55.5

77 32.2 25.6 38.4



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

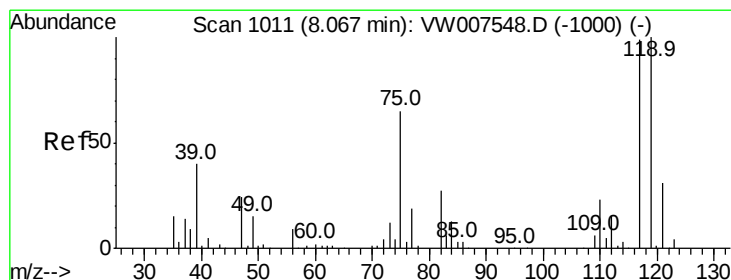
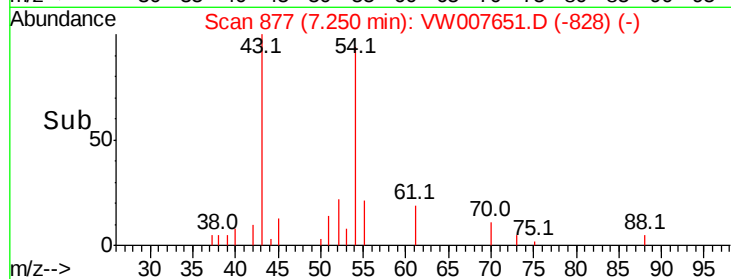
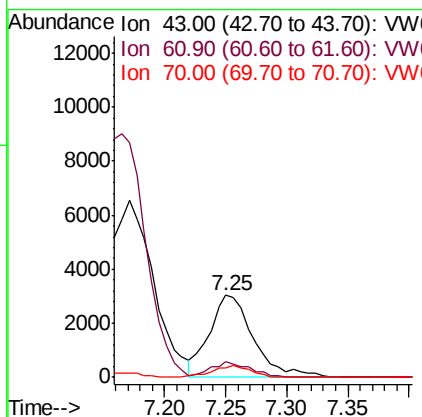
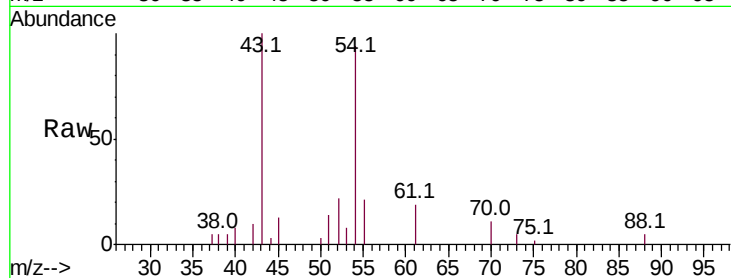




#37
Ethyl Acetate
Concen: 20.243 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

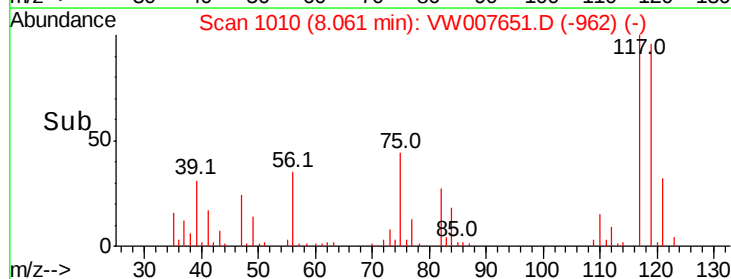
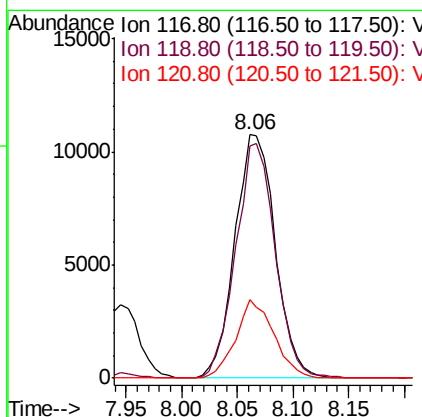
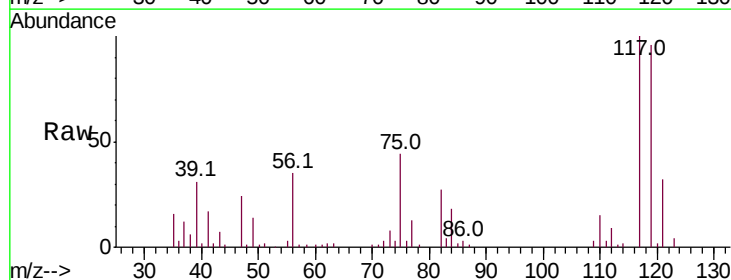
Instrument :
MSVOA_W
ClientSampled :

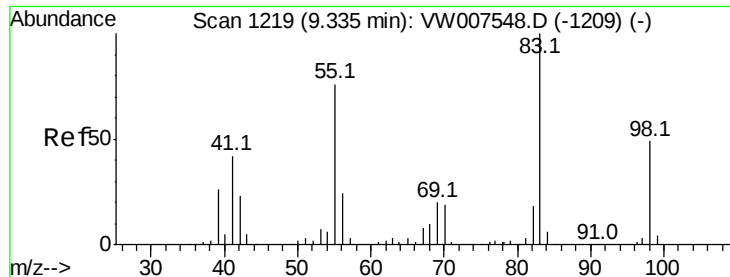
Tot Ion: 43 Resp: 7627
Ion Ratio Lower Upper
43 100
61 16.5 12.1 18.1
70 12.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 24.641 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 117 Resp: 27160
Ion Ratio Lower Upper
117 100
119 95.5 74.3 111.5
121 32.4 24.3 36.5

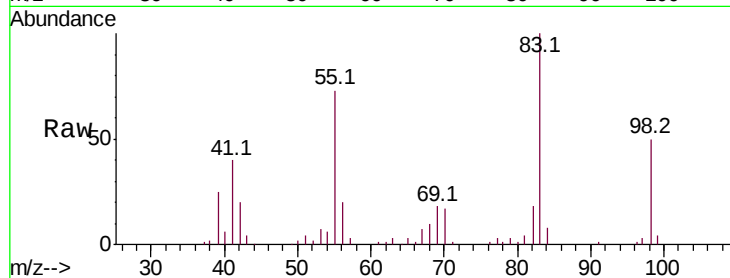




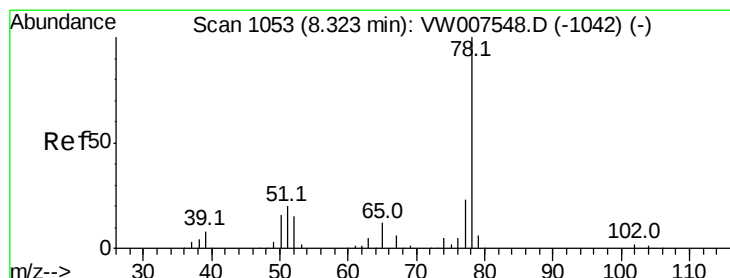
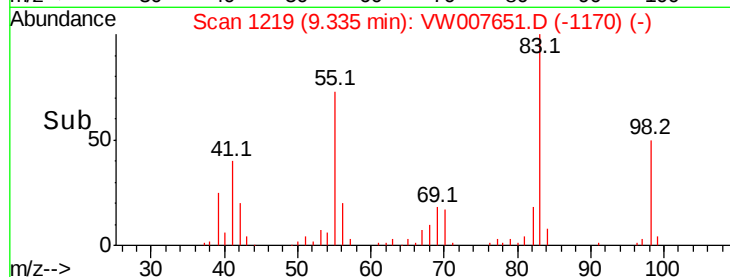
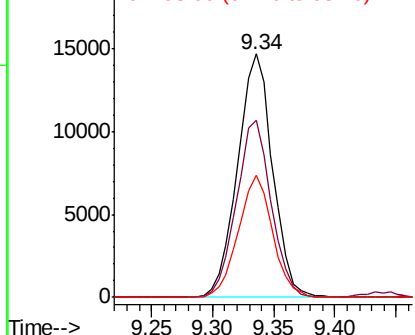
#39
Methvlcvclohexane
Concen: 23.817 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 29215
Ion Ratio Lower Upper
83 100
55 72.7 62.8 94.2
98 49.9 42.2 63.2

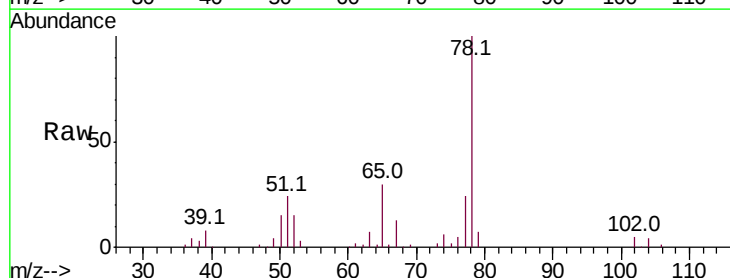


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

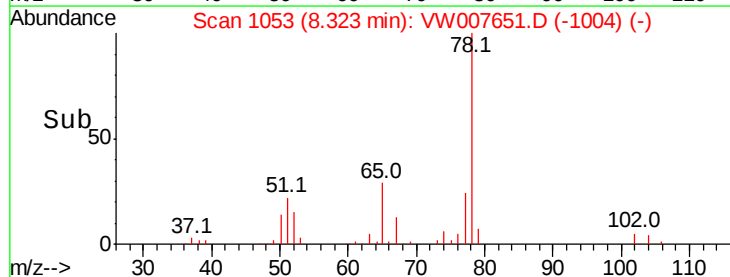
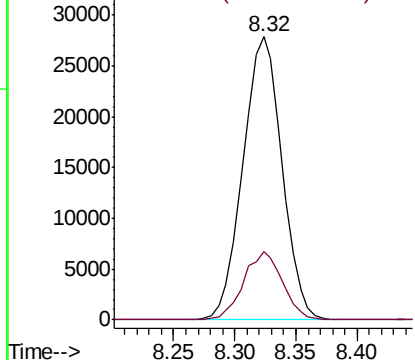


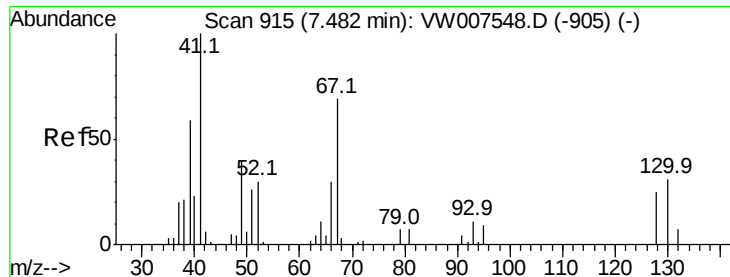
#40
Benzene
Concen: 22.007 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 78 Resp: 61867
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 21.197 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 4548

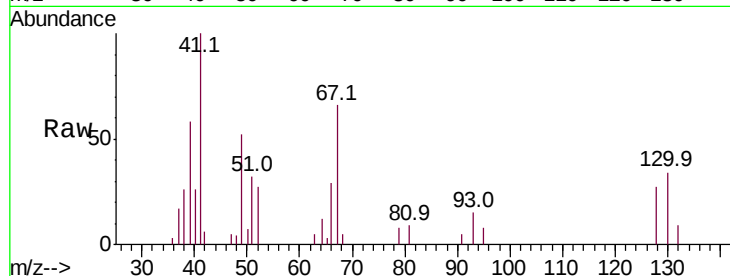
Ion Ratio Lower Upper

41 100

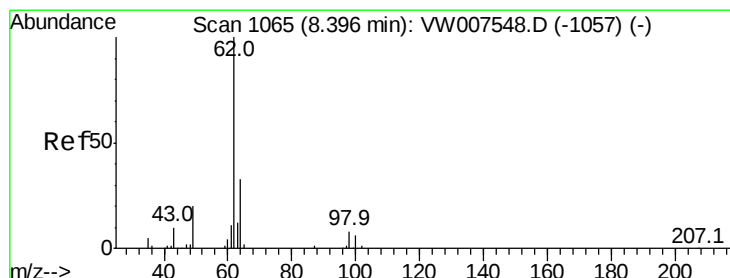
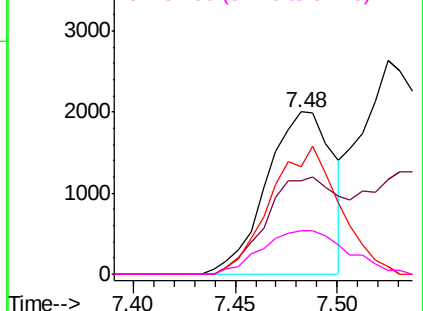
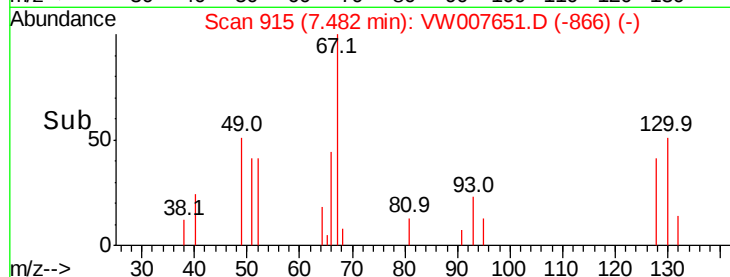
39 69.8 52.2 78.2

67 82.0 60.5 90.7

52 34.7 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: 23.297 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW007651.D

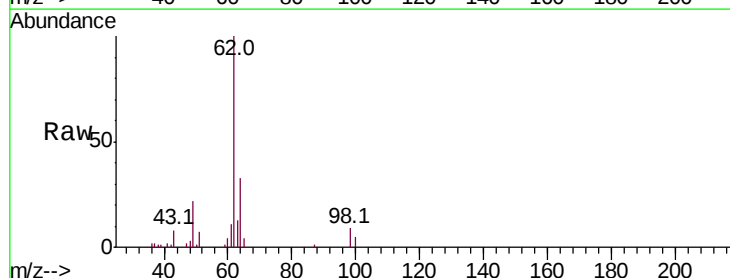
Acq: 18 Dec 2018 12:07

Tgt Ion: 62 Resp: 20574

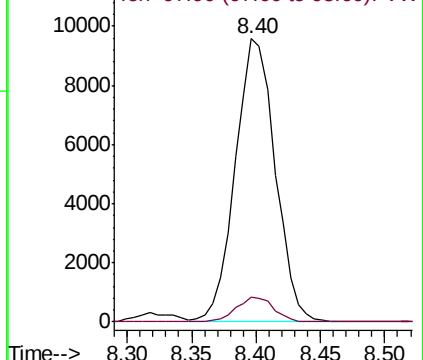
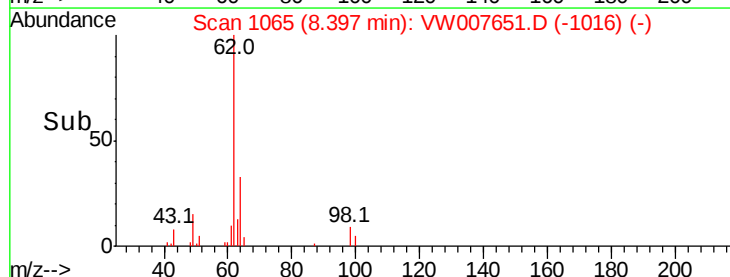
Ion Ratio Lower Upper

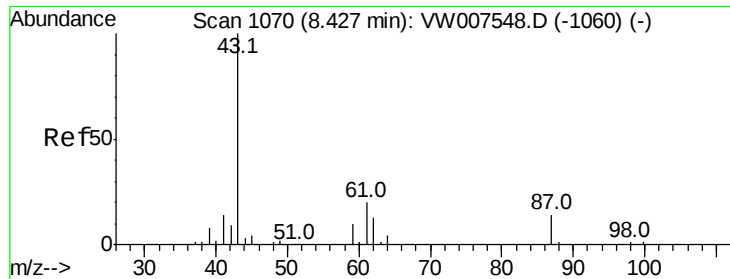
62 100

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: 20.345 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampleId :

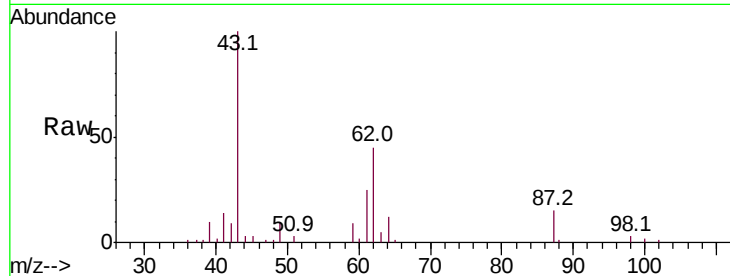
Tot Ion: 43 Resp: 15142

Ion Ratio Lower Upper

43 100

61 33.6 25.3 37.9

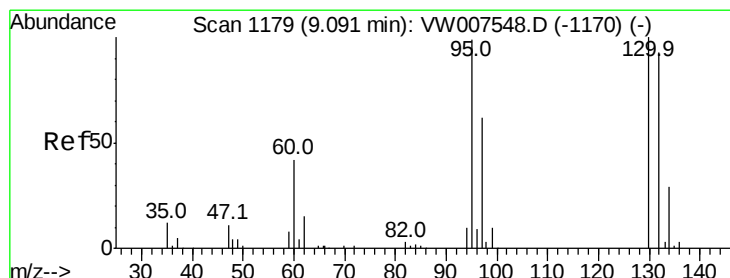
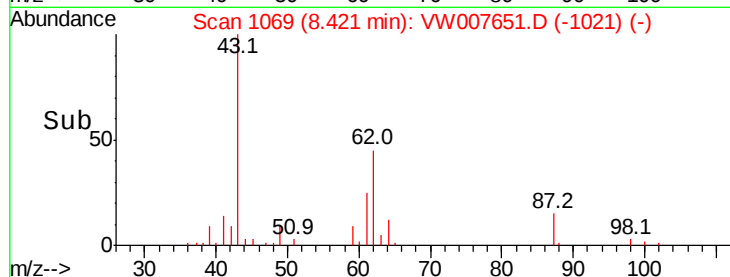
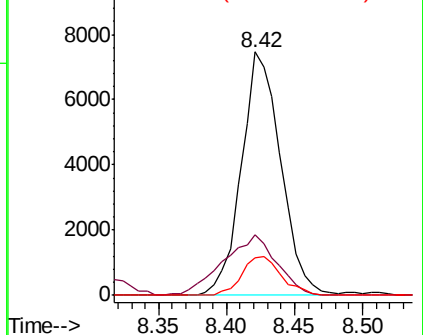
87 15.9 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 23.144 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007651.D

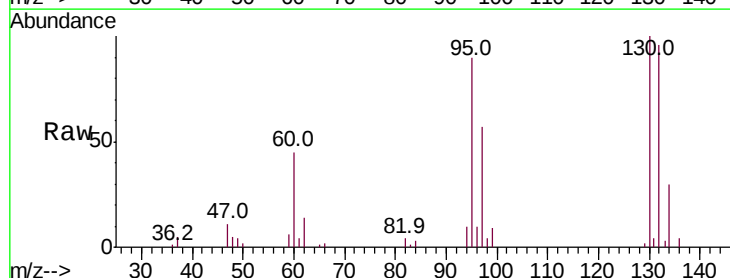
Acq: 18 Dec 2018 12:07

Tgt Ion: 130 Resp: 18580

Ion Ratio Lower Upper

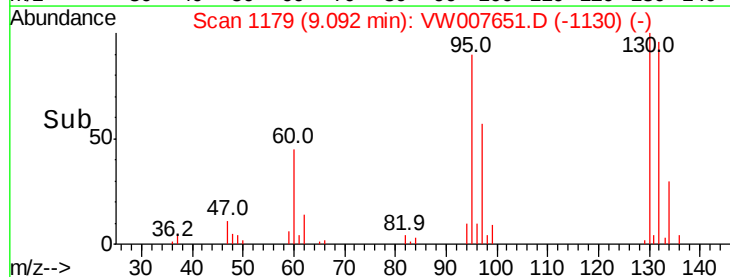
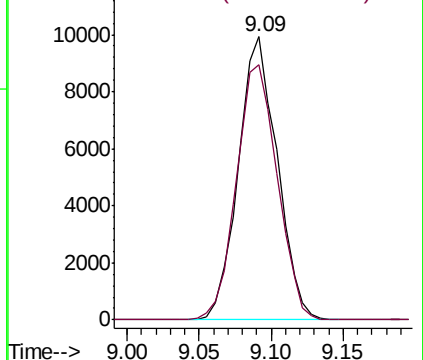
130 100

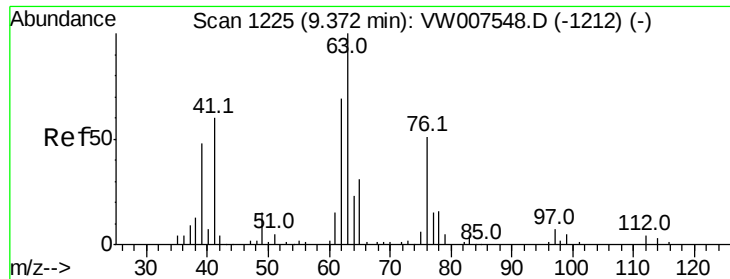
95 90.3 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

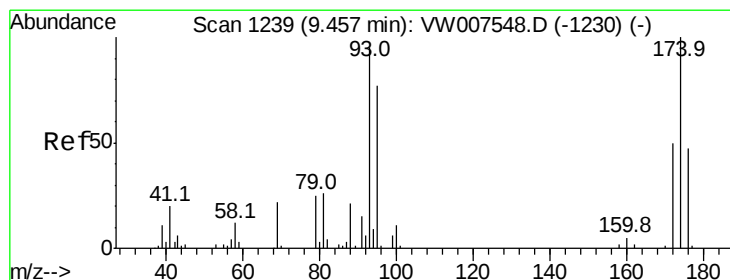
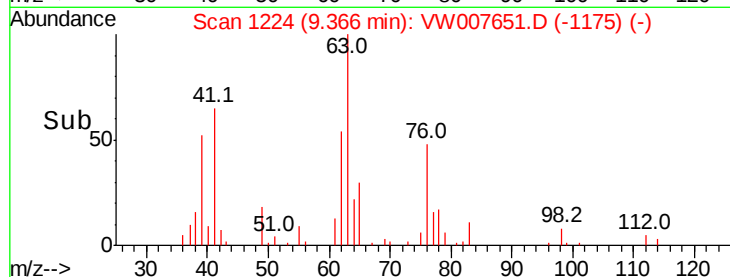
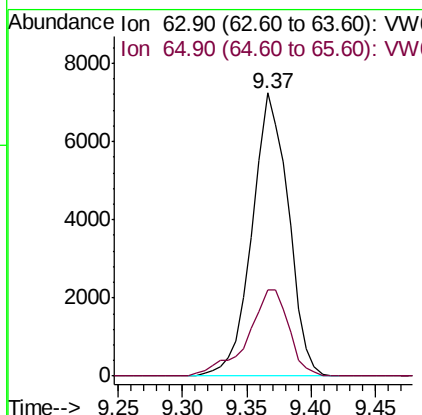
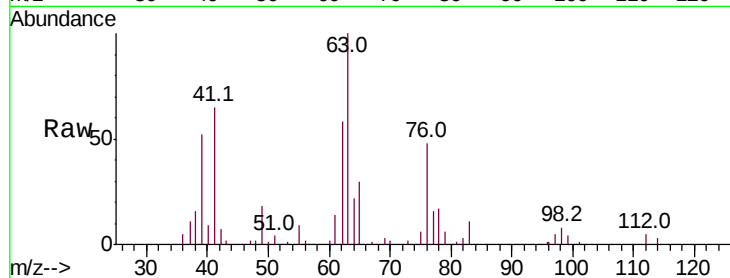




#45
 1,2-Dichloropropane
 Concen: 21.752 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

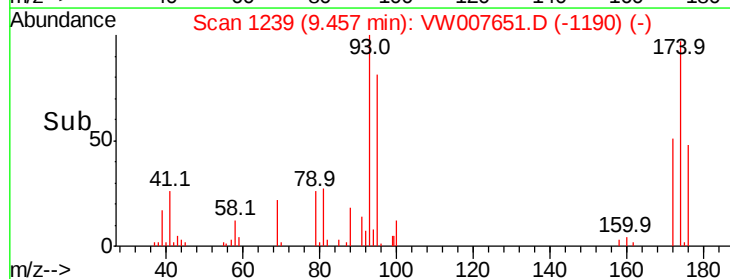
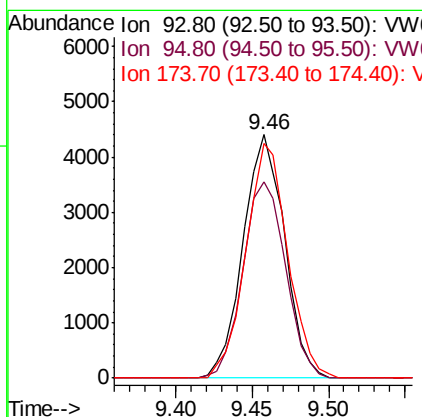
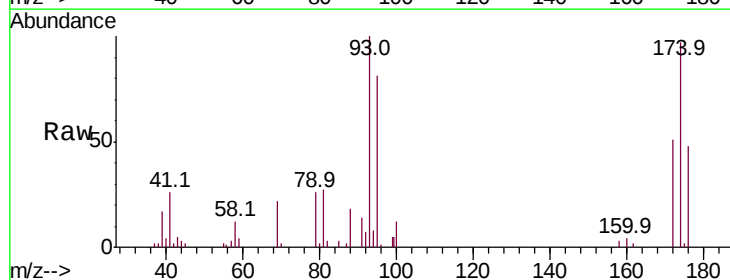
Instrument :
 MSVOA_W
 ClientSampleId :

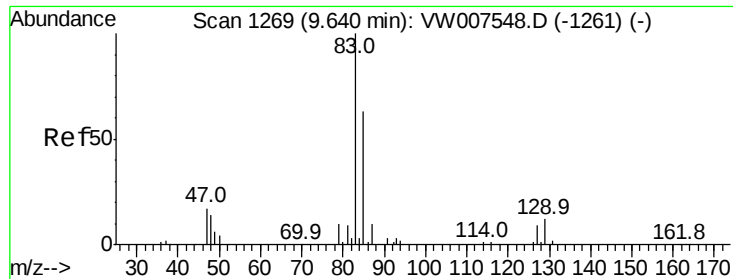
Tot Ion: 63 Resp: 14151
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6



#46
 Dibromomethane
 Concen: 22.488 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion: 93 Resp: 8308
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.0 102.0
 174 97.2 83.2 124.8

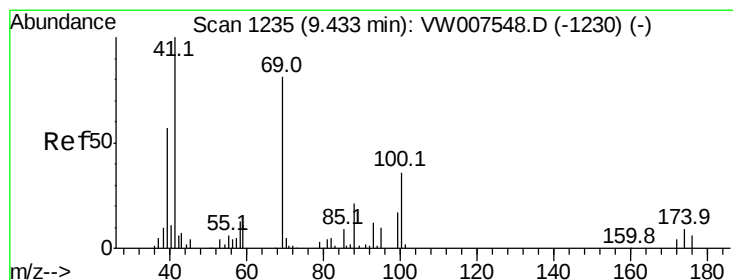
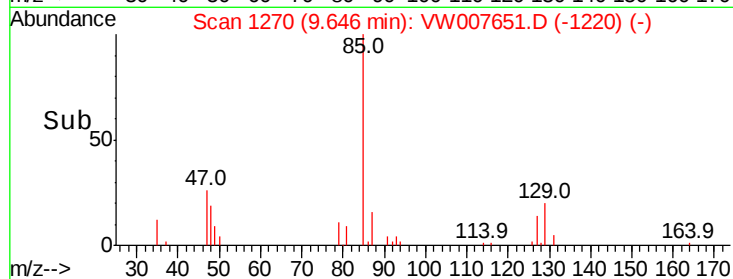
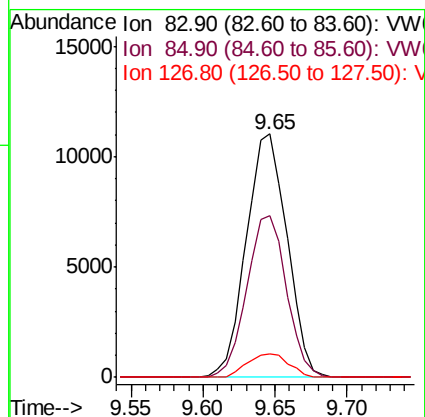
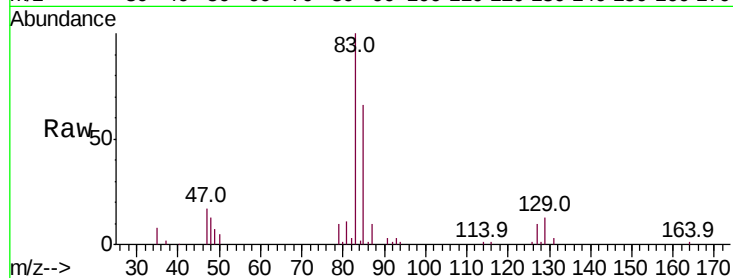




#47
Bromodichloromethane
Concen: 22.290 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

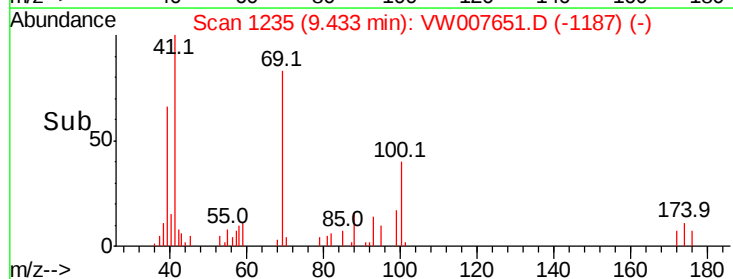
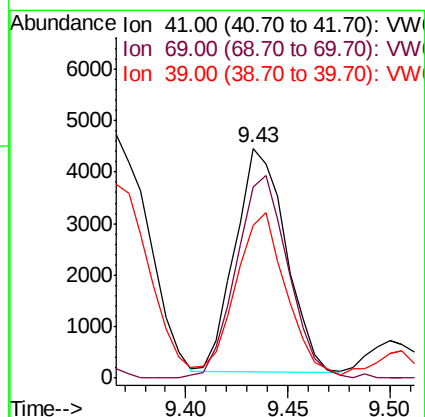
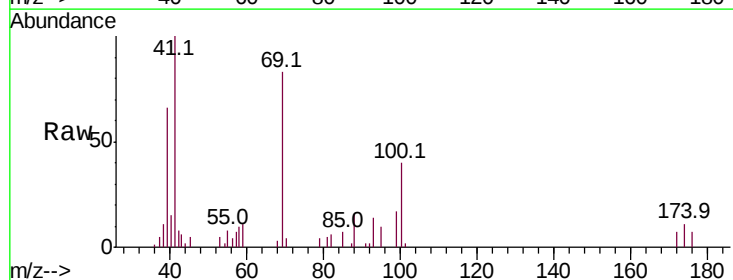
Instrument :
MSVOA_W
ClientSampled :

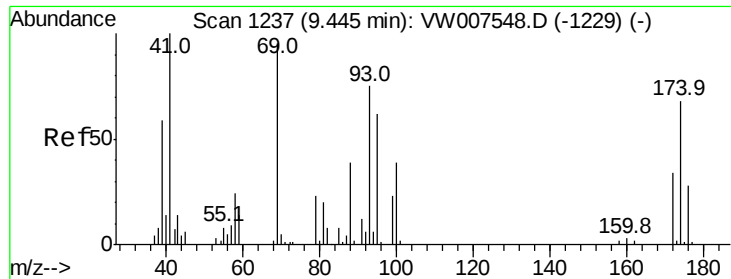
Tot Ion: 83 Resp: 21600
Ion Ratio Lower Upper
83 100
85 66.3 47.6 71.4
127 9.5 6.7 10.1



#48
Methyl methacrylate
Concen: 19.627 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 41 Resp: 7502
Ion Ratio Lower Upper
41 100
69 92.9 69.8 104.8
39 71.1 50.9 76.3





#49

1,4-Dioxane

Concen: 411.544 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

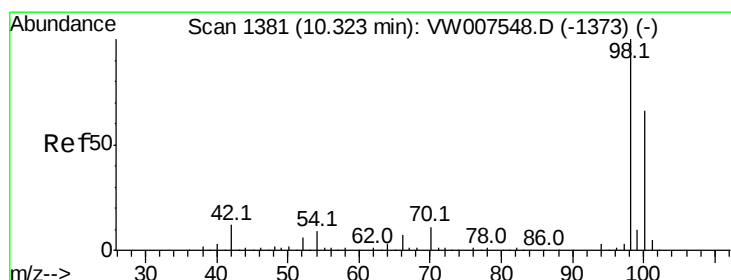
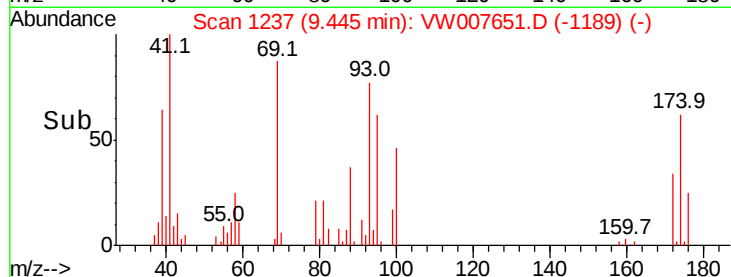
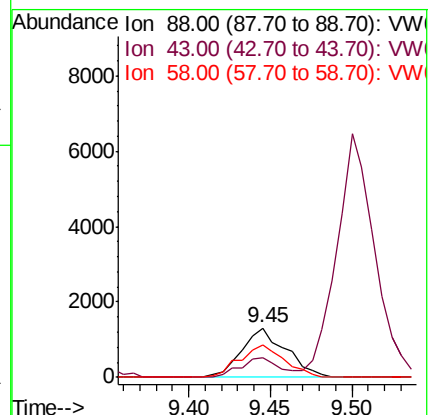
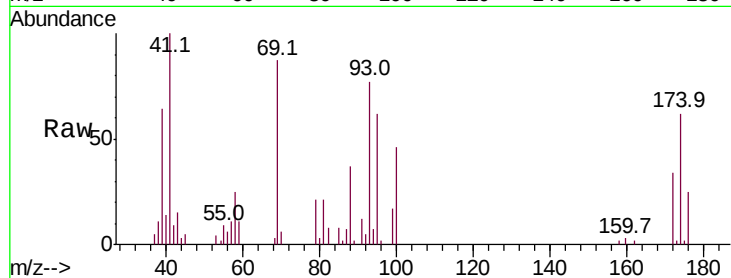
Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 2467

Ion	Ratio	Lower	Upper
88	100		
43	36.0	25.0	37.4
58	66.9	51.4	77.2



#50

Toluene-d8

Concen: 51.675 ug/l

RT: 10.32 min Scan# 1381

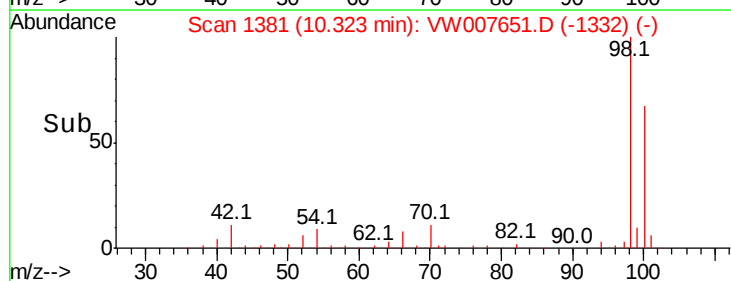
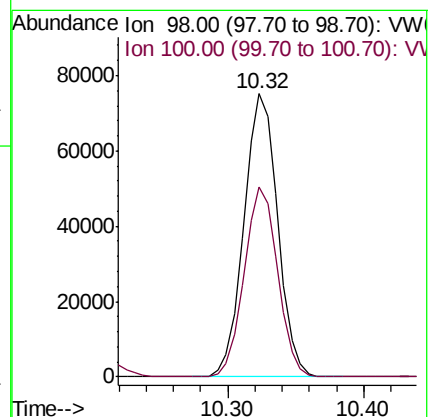
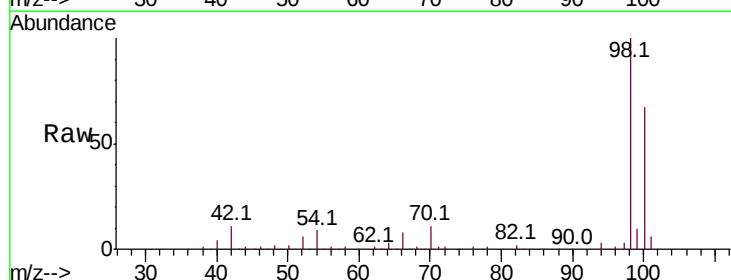
Delta R.T. -0.00 min

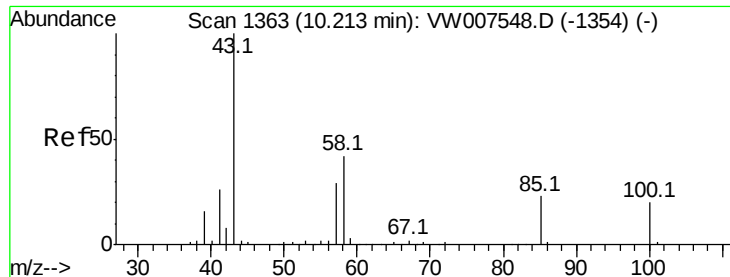
Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Tgt Ion: 98 Resp: 130244

Ion	Ratio	Lower	Upper
98	100		
100	66.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 103.502 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

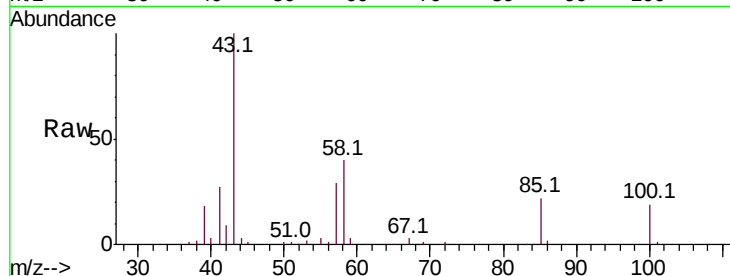
ClientSampled :

Tot Ion: 43 Resp: 36397

Ion Ratio Lower Upper

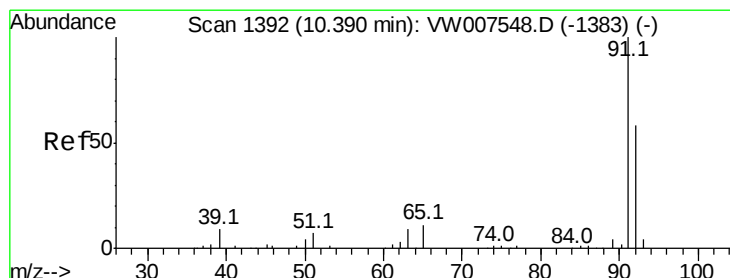
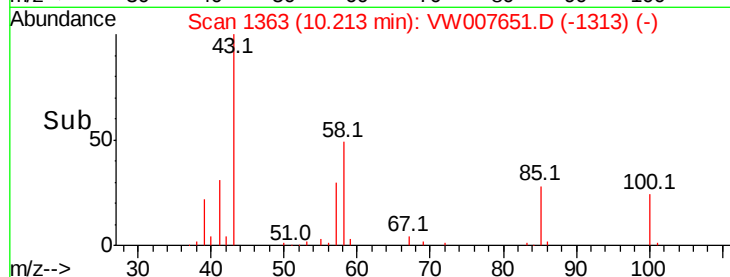
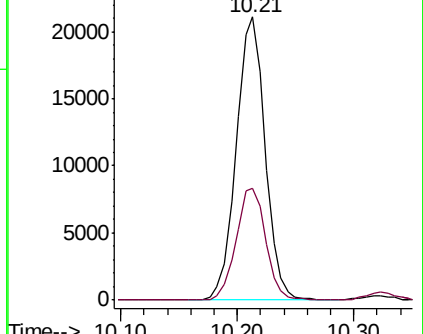
43 100

58 40.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.675 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007651.D

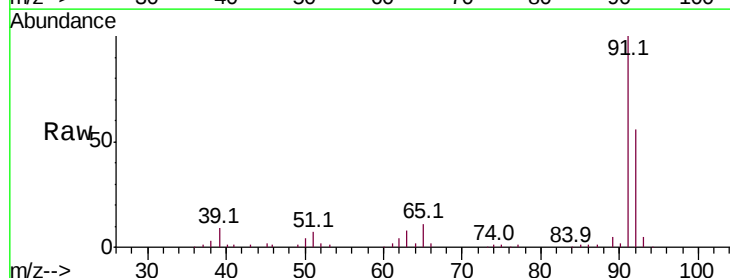
Acq: 18 Dec 2018 12:07

Tgt Ion: 92 Resp: 41253

Ion Ratio Lower Upper

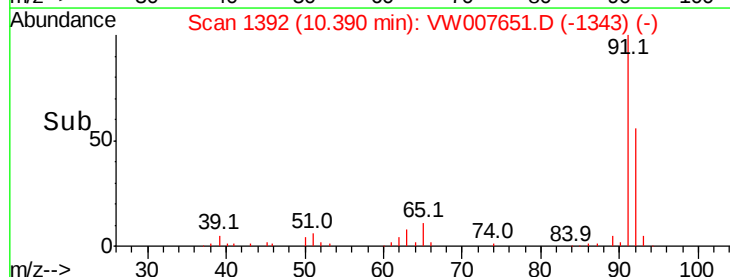
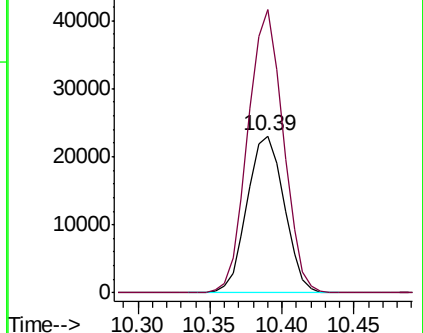
92 100

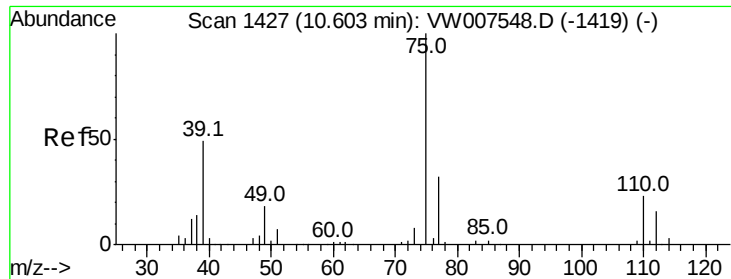
91 171.4 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 22.671 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

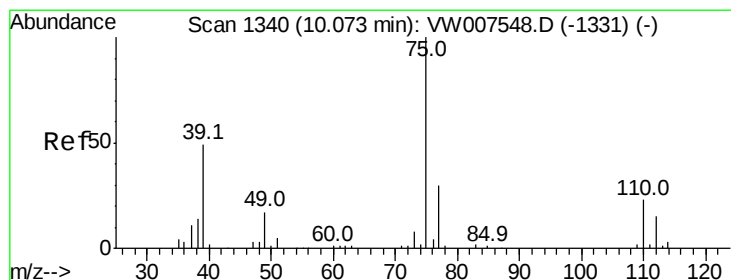
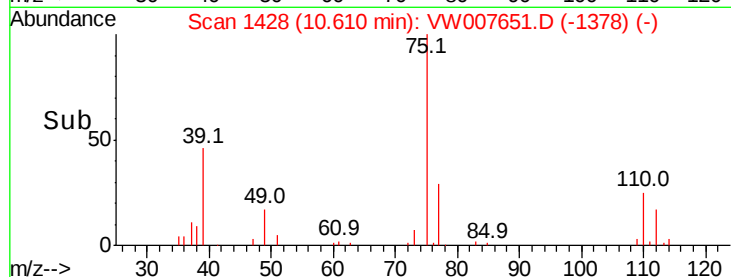
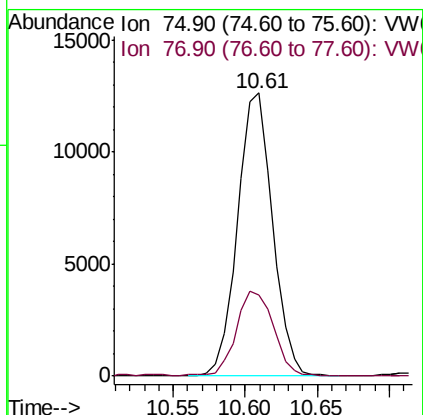
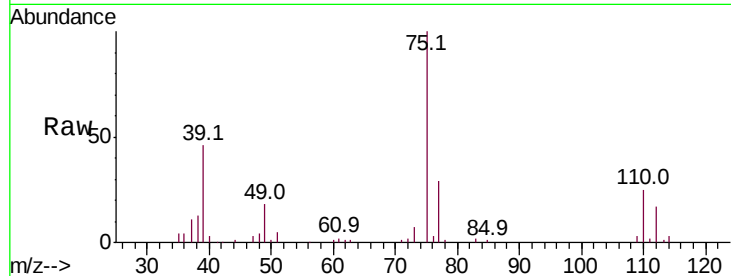
ClientSampleId :

Tot Ion: 75 Resp: 21329

Ion Ratio Lower Upper

75 100

77 28.6 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 21.954 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

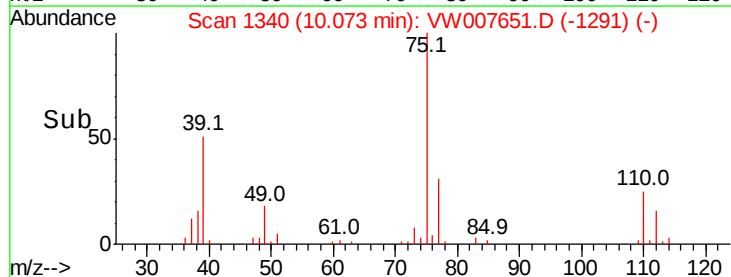
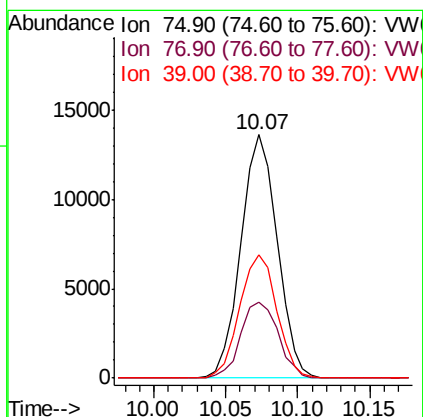
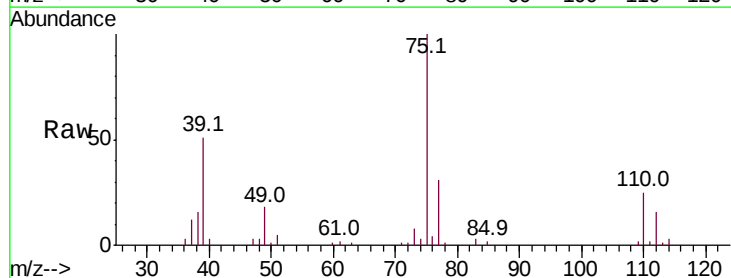
Tgt Ion: 75 Resp: 23876

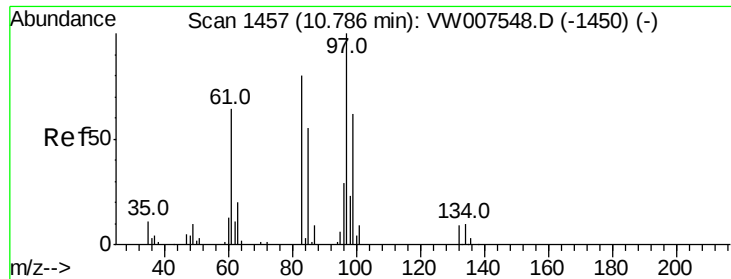
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 50.9 40.9 61.3

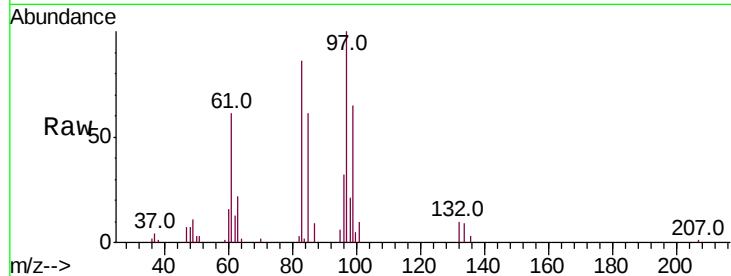




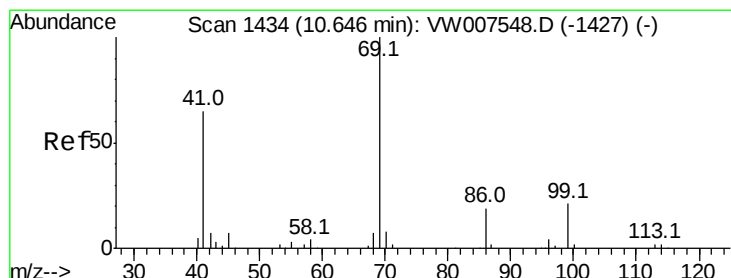
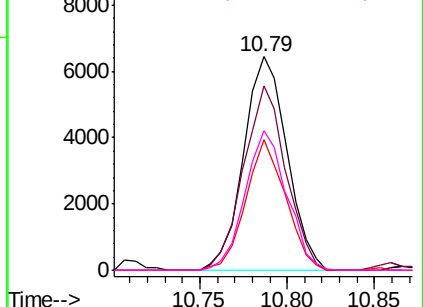
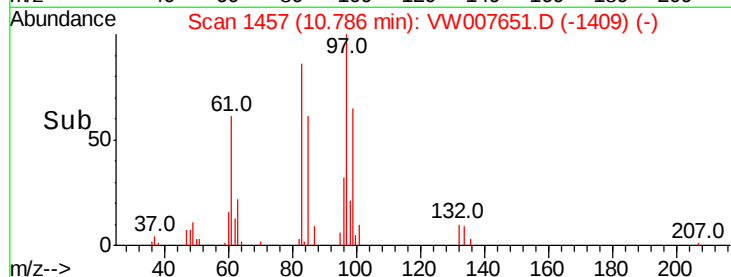
#55
 1,1,2-Trichloroethane
 Concen: 22.022 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	11073
Ion	Ratio	Lower	Upper
97	100		
83	86.5	62.1	93.1
85	61.2	44.2	66.4
99	65.2	50.2	75.4

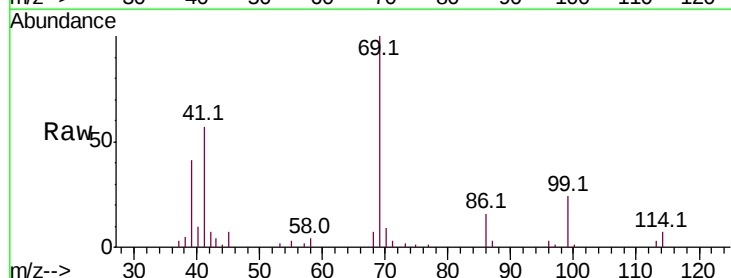


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

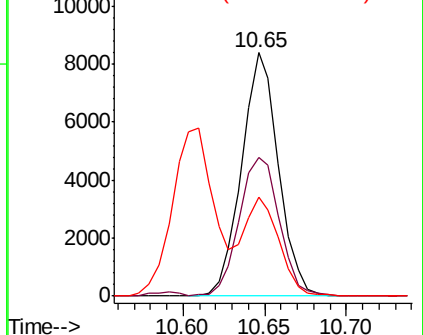
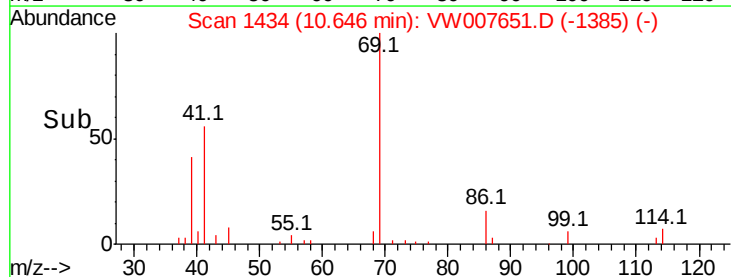


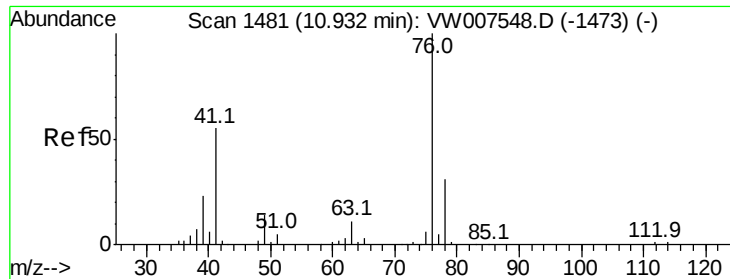
#56
 Ethyl methacrylate
 Concen: 21.825 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion:	69	Resp:	13190
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.0	76.6
39	40.0	30.8	46.2



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

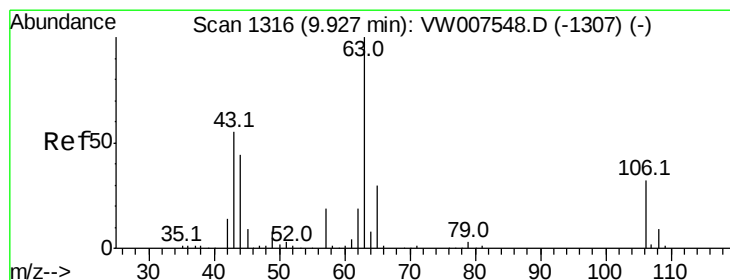
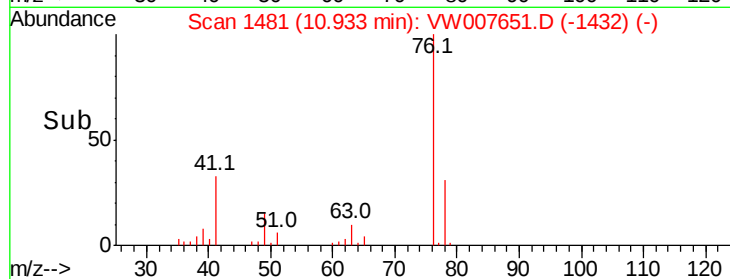
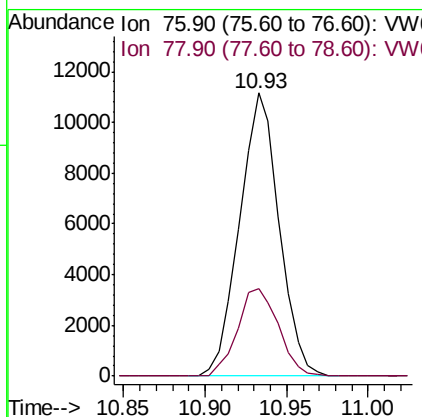
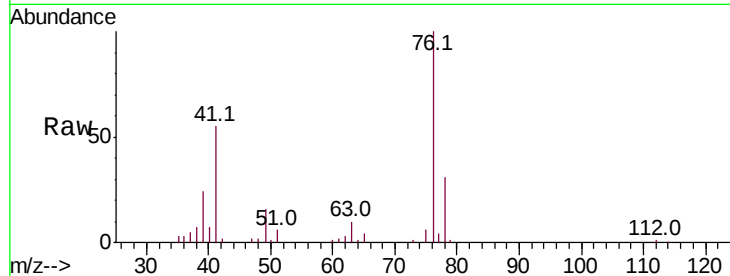




#57
 1,3-Dichloropropane
 Concen: 22.821 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

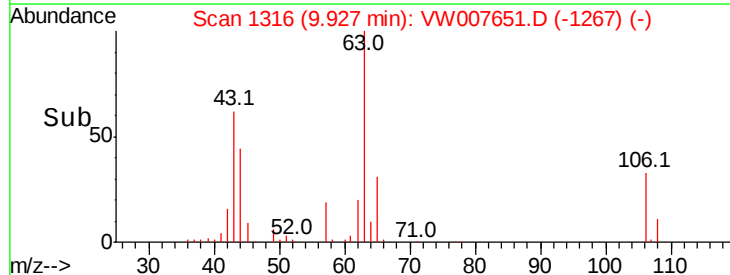
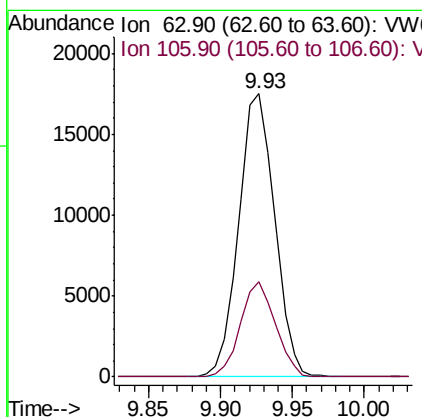
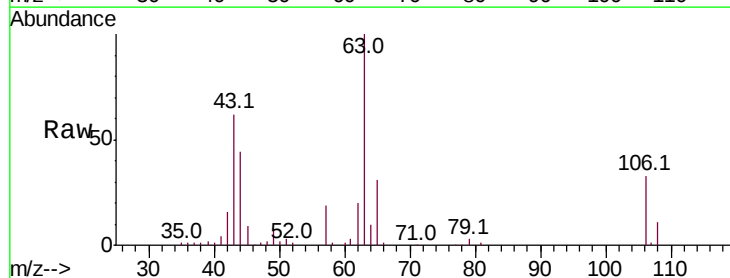
Instrument :
 MSVOA_W
 ClientSampleId :

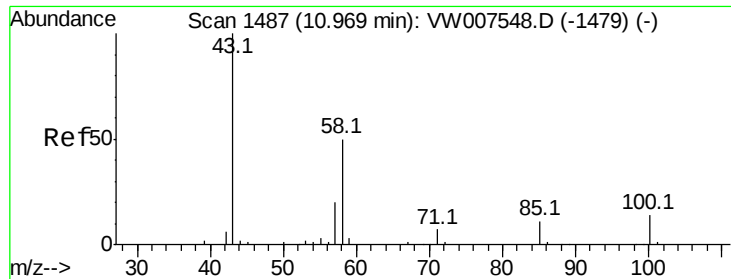
Tot Ion: 76 Resp: 18834
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.923 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion: 63 Resp: 30357
 Ion Ratio Lower Upper
 63 100
 106 32.6 25.0 37.6

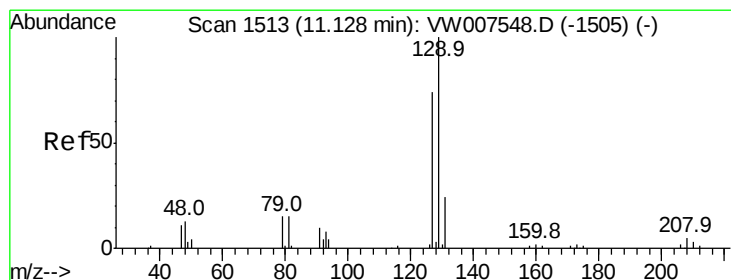
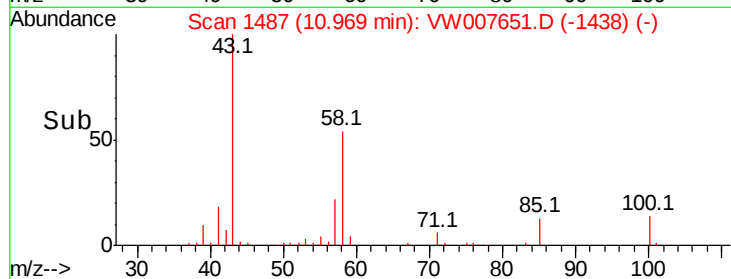
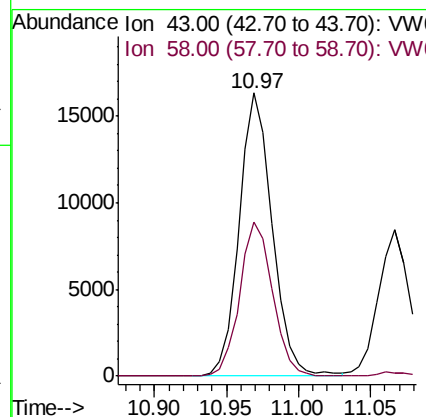
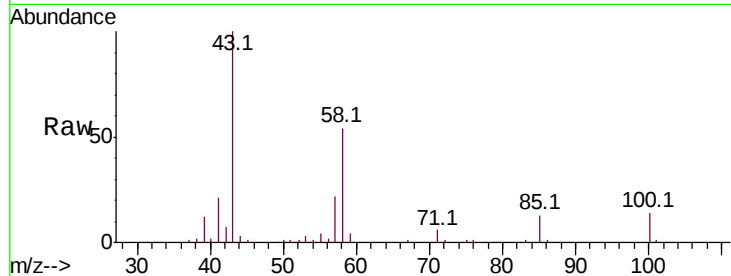




#59
2-Hexanone
Concen: 111.040 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

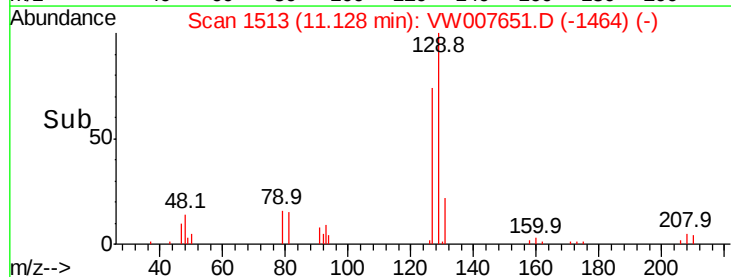
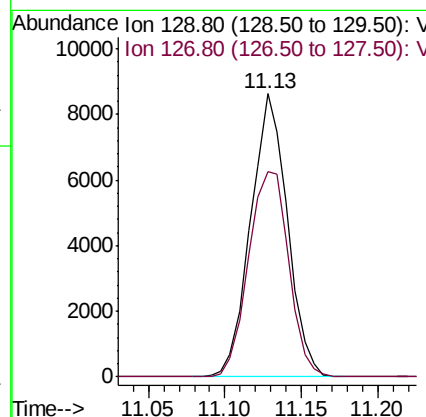
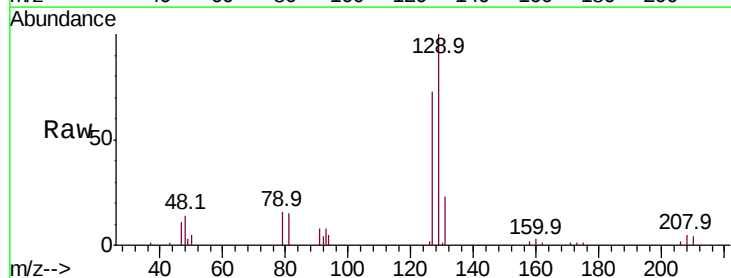
Instrument :
MSVOA_W
ClientSampled :

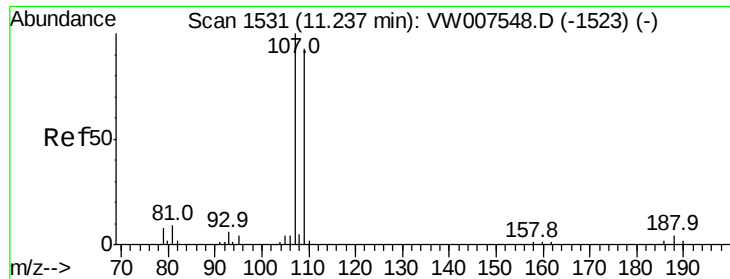
Tot Ion: 43 Resp: 26037
Ion Ratio Lower Upper
43 100
58 54.4 27.1 81.3



#60
Dibromochloromethane
Concen: 22.690 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 129 Resp: 14398
Ion Ratio Lower Upper
129 100
127 79.6 38.1 114.3

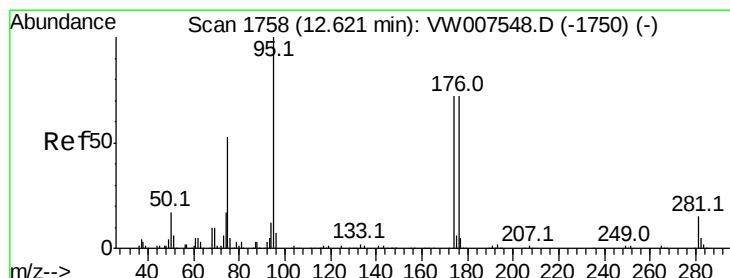
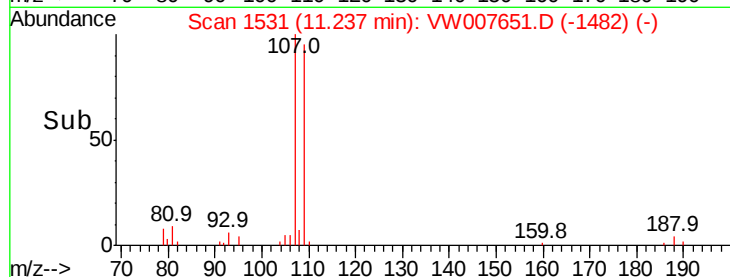
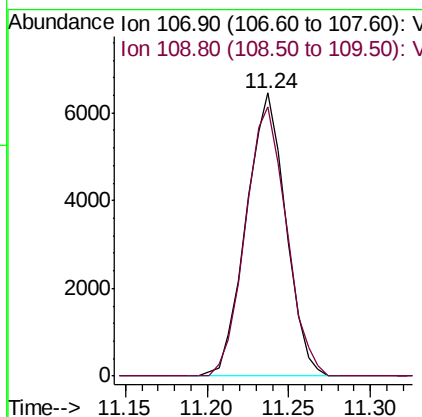
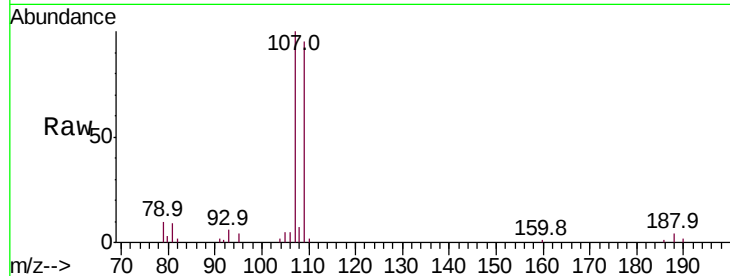




#61
 1,2-Dibromoethane
 Concen: 21.868 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

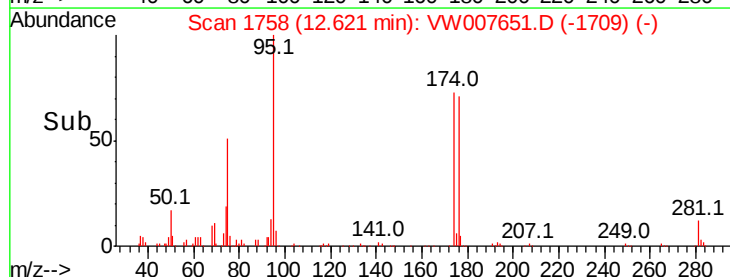
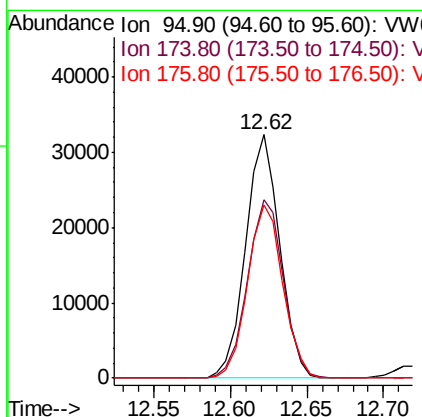
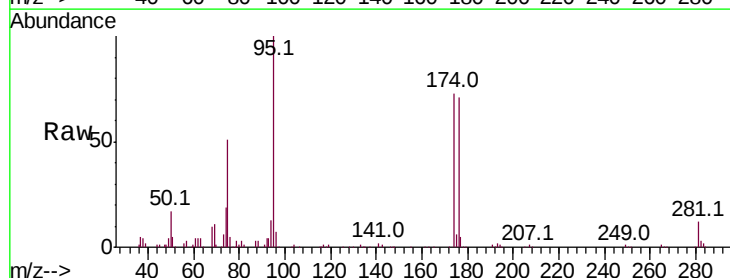
Instrument :
 MSVOA_W
 ClientSampleId :

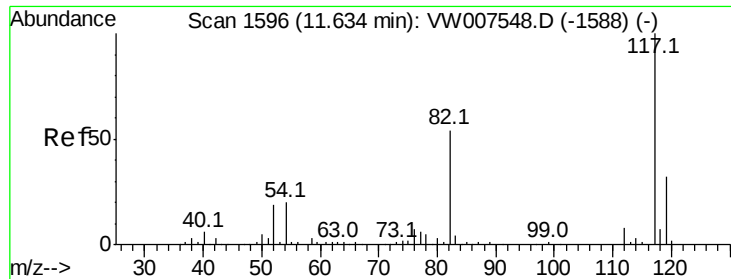
Tot Ion:107 Resp: 10866
 Ion Ratio Lower Upper
 107 100
 109 98.7 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 54.016 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion: 95 Resp: 50056
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 147.2
 176 73.4 0.0 138.8

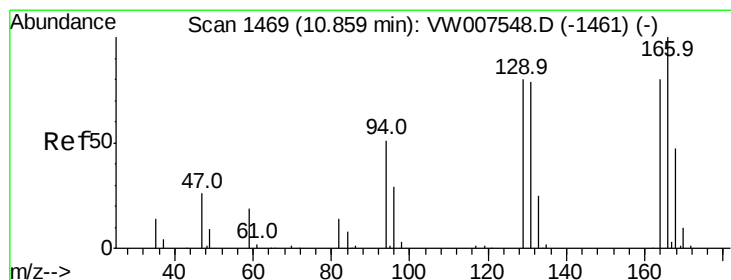
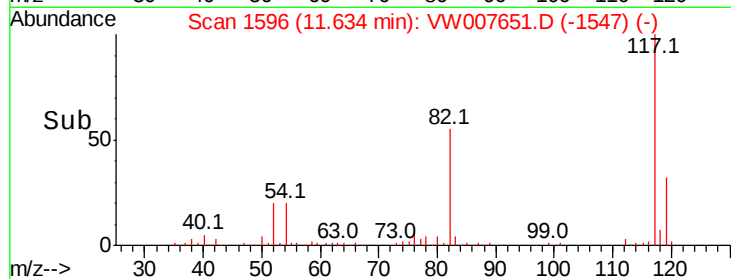
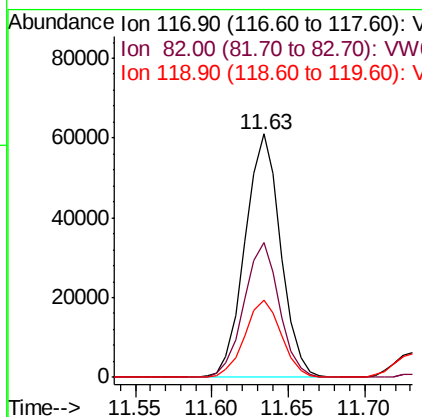
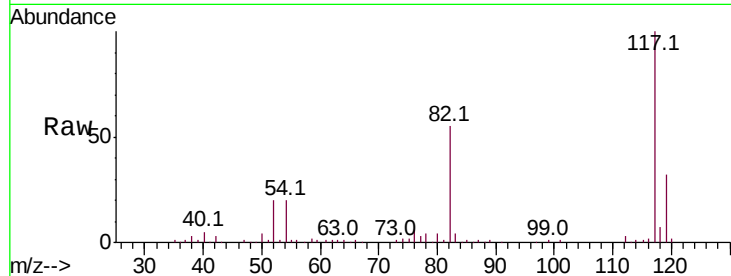




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

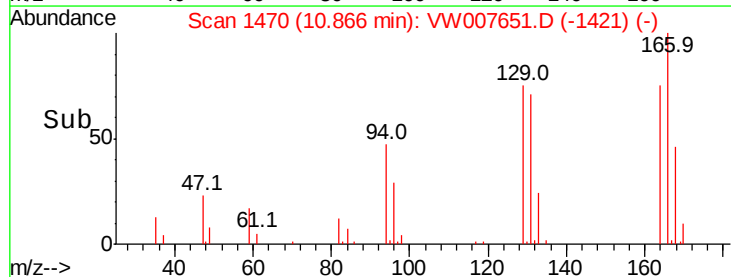
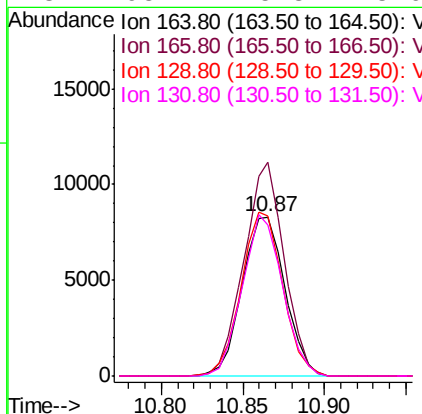
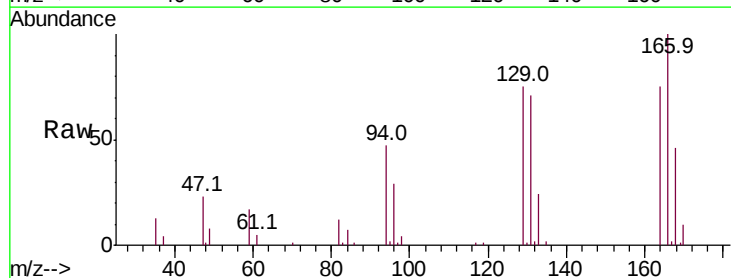
Instrument :
MSVOA_W
ClientSampleId :

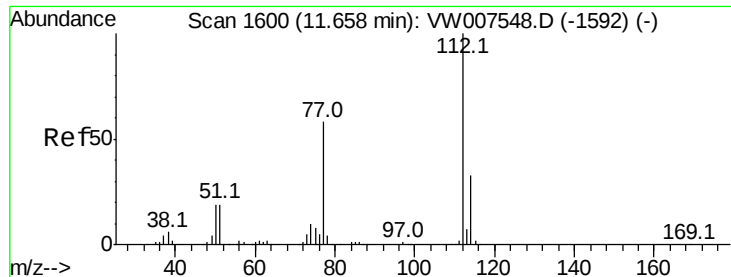
Tot Ion:117 Resp: 98606
Ion Ratio Lower Upper
117 100
82 55.4 42.3 63.5
119 31.5 23.0 34.6



#64
Tetrachloroethene
Concen: 21.340 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion:164 Resp: 15132
Ion Ratio Lower Upper
164 100
166 134.1 107.9 161.9
129 100.1 73.4 110.2
131 95.1 75.8 113.6

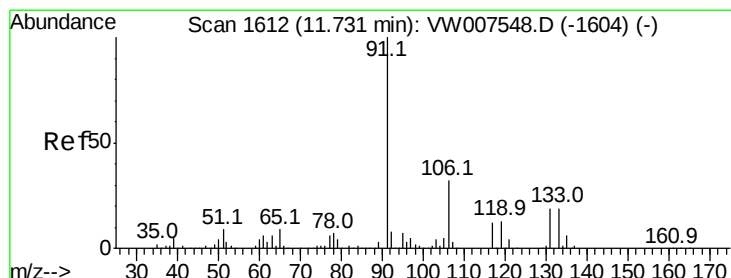
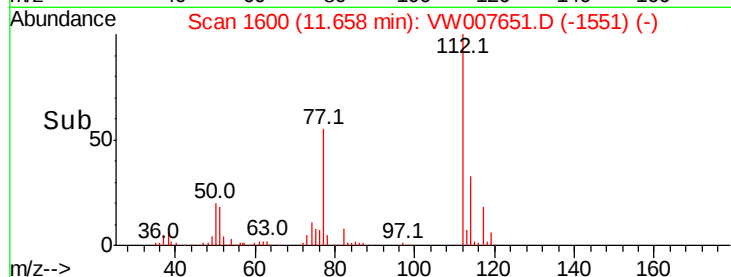
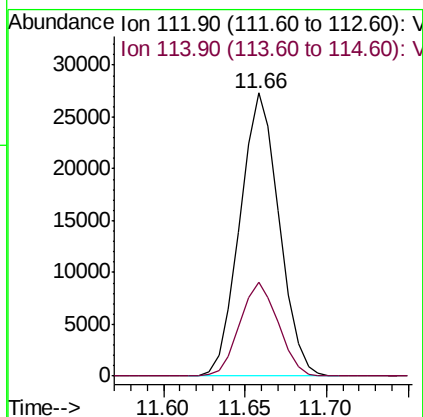
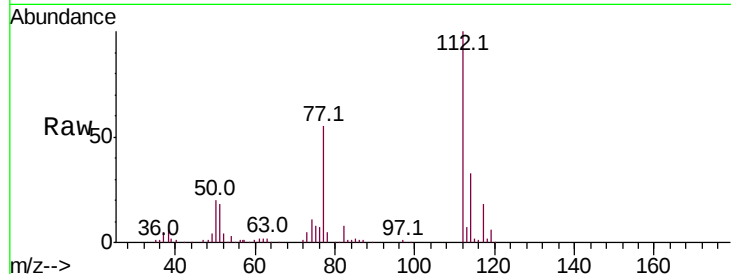




#65
Chlorobenzene
Concen: 22.232 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

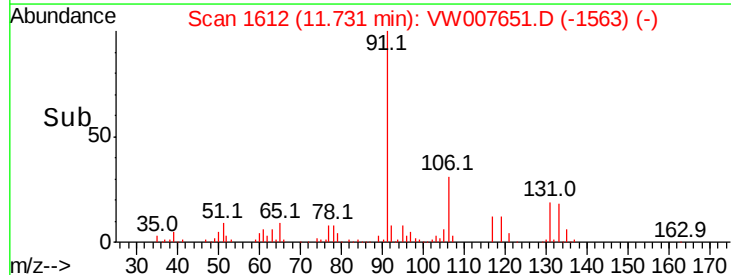
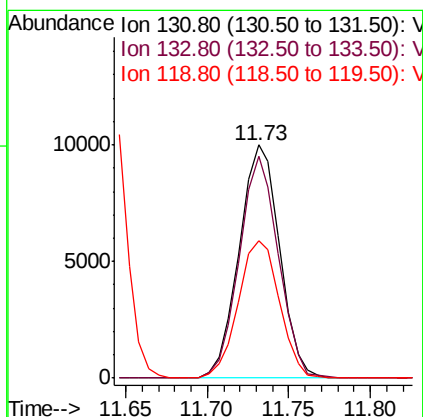
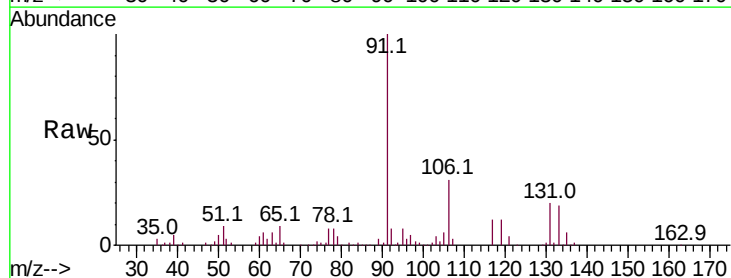
Instrument :
MSVOA_W
ClientSampleId :

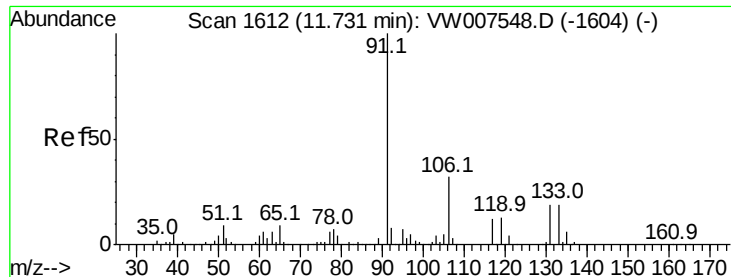
Tot Ion:112 Resp: 45693
Ion Ratio Lower Upper
112 100
114 33.3 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 23.766 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion:131 Resp: 17203
Ion Ratio Lower Upper
131 100
133 92.3 47.1 141.4
119 60.1 31.3 93.9





#67

Ethyl Benzene

Concen: 23.202 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

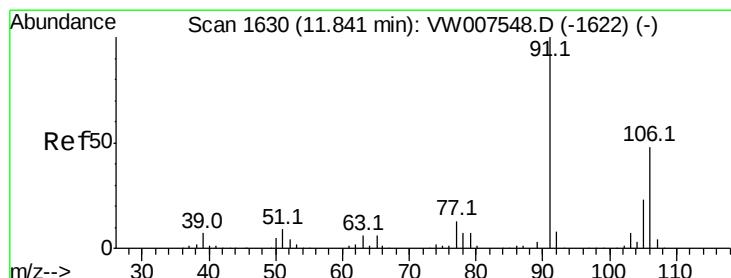
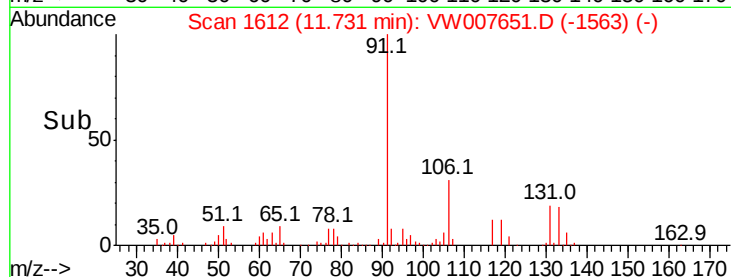
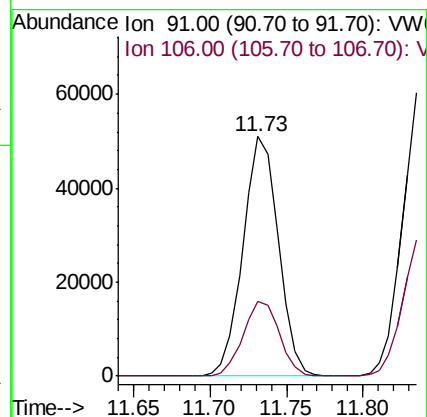
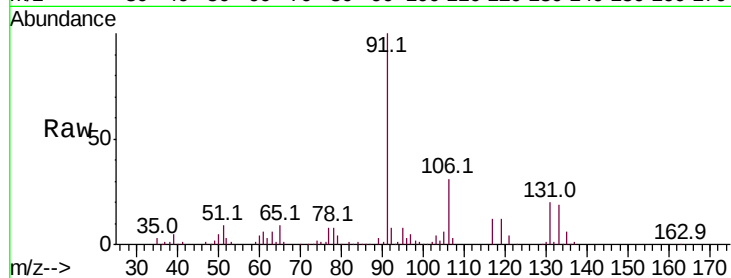
ClientSampleId :

Tot Ion: 91 Resp: 81987

Ion Ratio Lower Upper

91 100

106 31.0 21.8 32.8



#68

m/p-Xylenes

Concen: 45.732 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007651.D

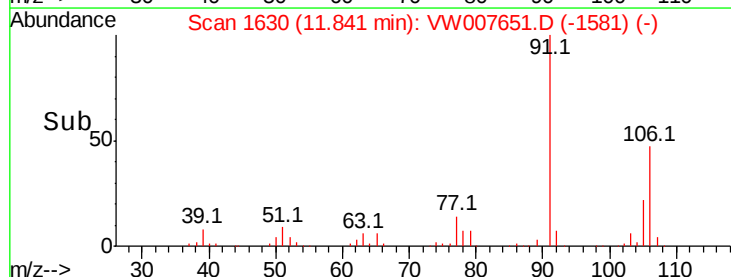
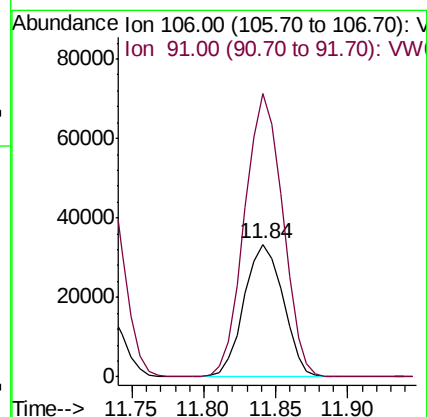
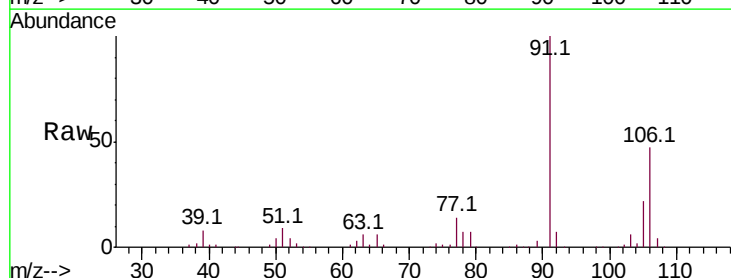
Acq: 18 Dec 2018 12:07

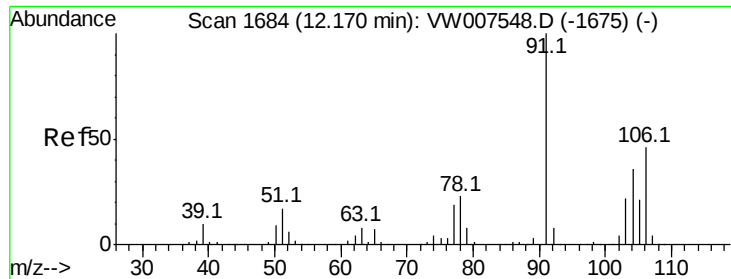
Tgt Ion:106 Resp: 62822

Ion Ratio Lower Upper

106 100

91 208.8 165.3 247.9

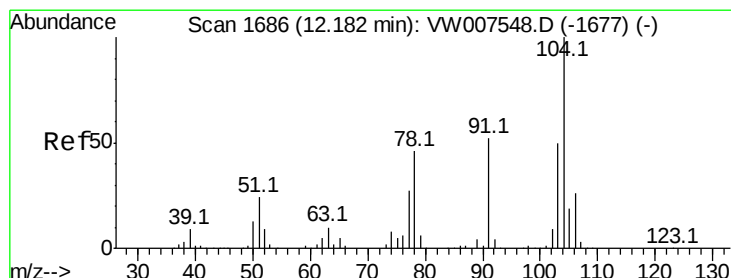
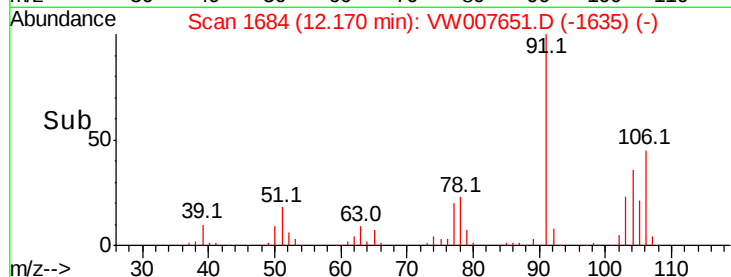
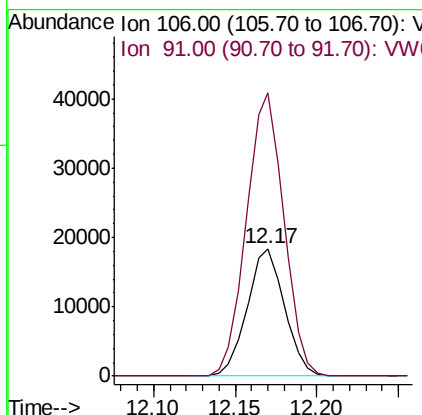
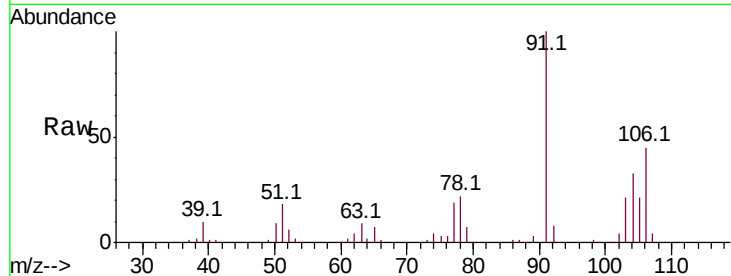




#69
o-Xylene
Concen: 22.766 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

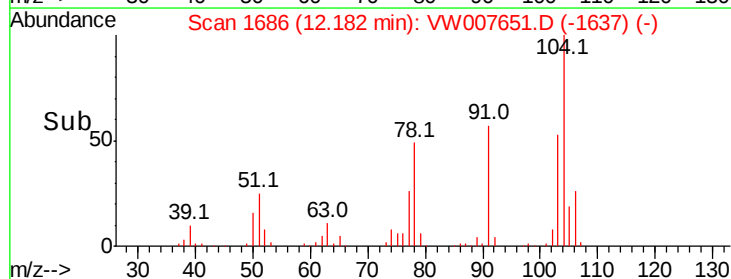
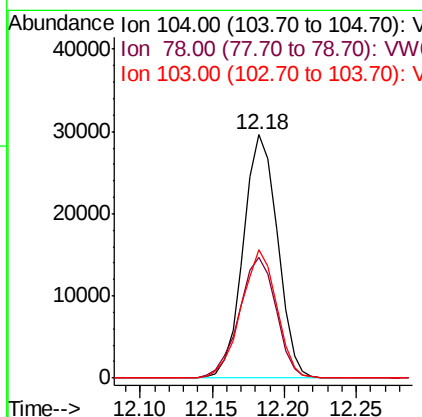
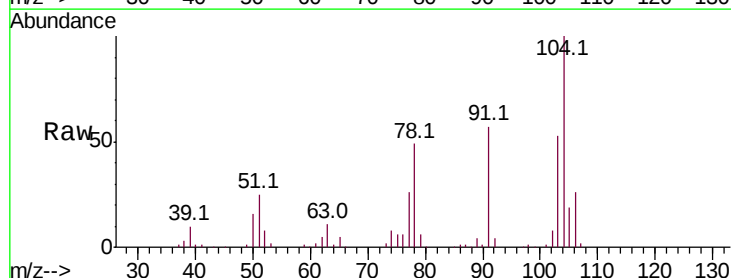
Instrument :
MSVOA_W
ClientSampled :

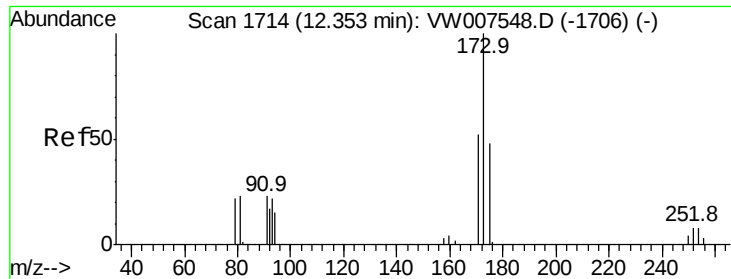
Tot Ion:106 Resp: 29208
Ion Ratio Lower Upper
106 100
91 223.6 106.6 319.8



#70
Styrene
Concen: 23.566 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion:104 Resp: 48833
Ion Ratio Lower Upper
104 100
78 53.5 41.8 62.8
103 54.6 46.6 69.8





#71

Bromoform

Concen: 22.464 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampleId :

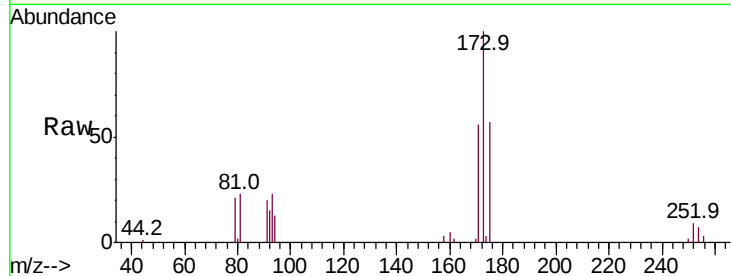
Tot Ion:173 Resp: 8323

Ion Ratio Lower Upper

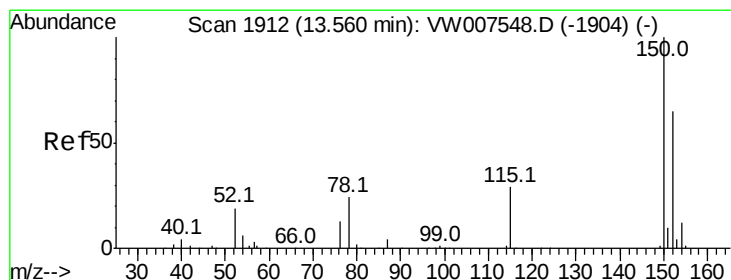
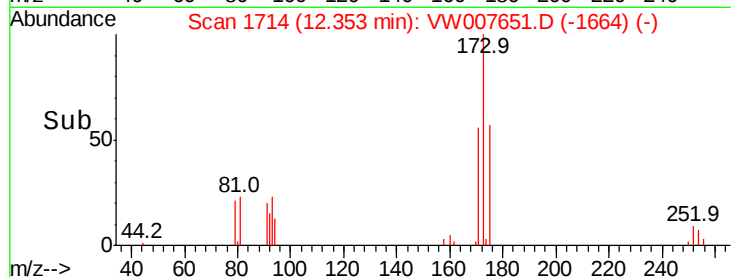
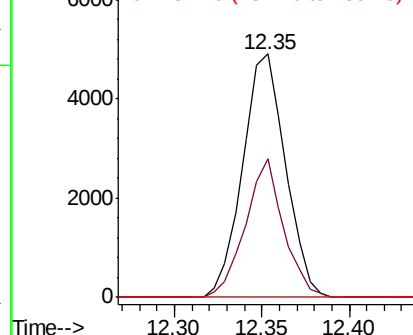
173 100

175 50.8 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: VW007651.D

Acq: 18 Dec 2018 12:07

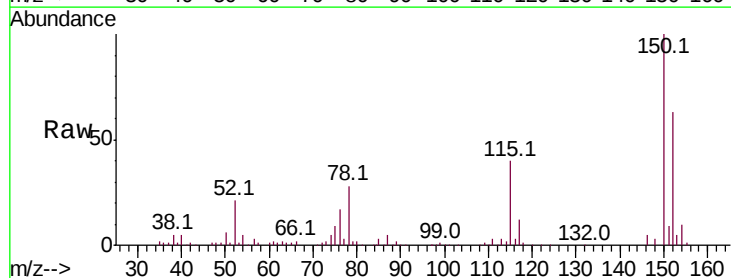
Tgt Ion:152 Resp: 51398

Ion Ratio Lower Upper

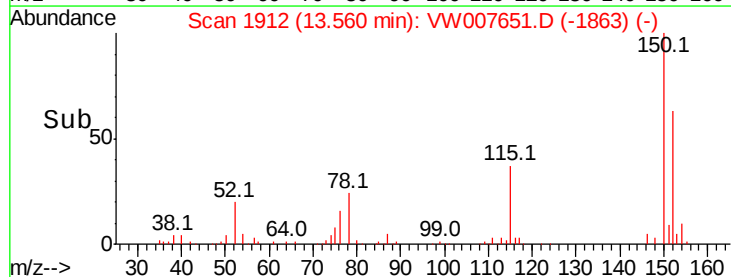
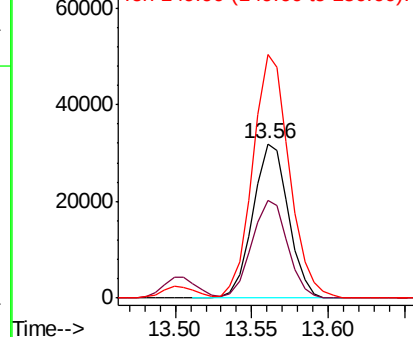
152 100

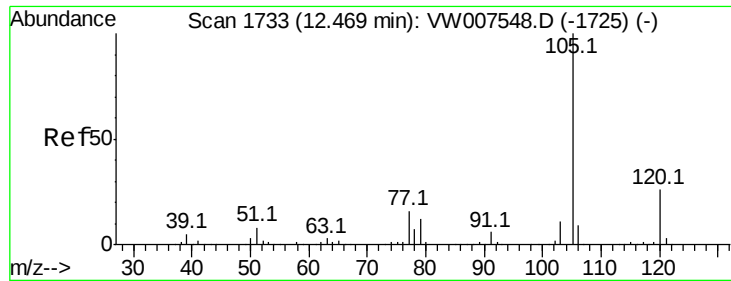
115 63.6 31.4 94.2

150 163.0 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: 21.641 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

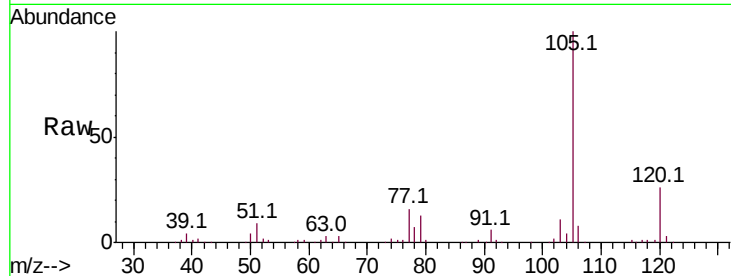
ClientSampleId :

Tot Ion:105 Resp: 85231

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

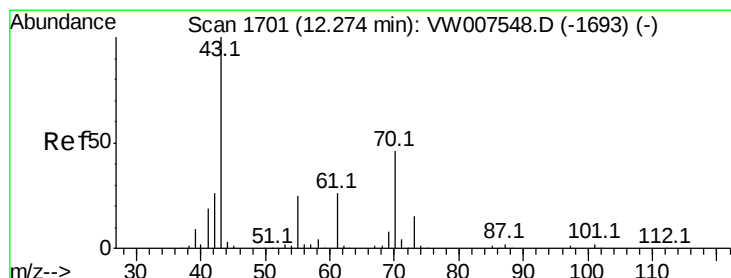
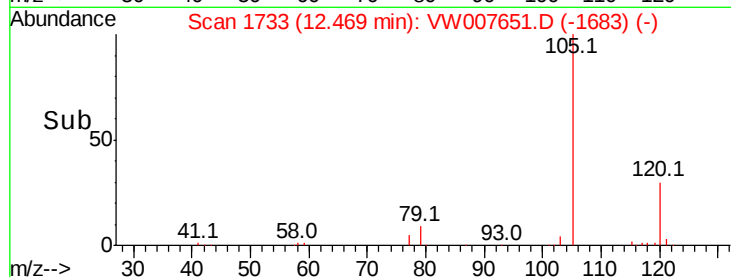
20000

10000

0

12.40 12.45 12.50

Time-->



#74

N-ethyl acetate

Concen: 20.039 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Tgt Ion: 43 Resp: 14343

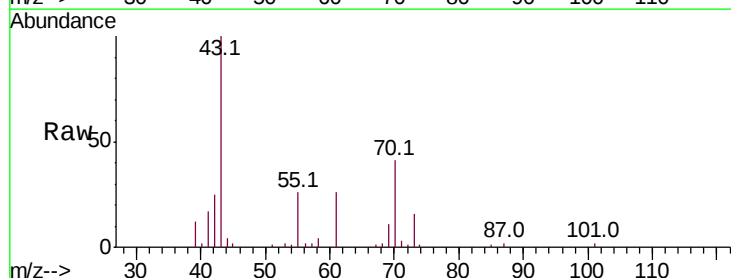
Ion Ratio Lower Upper

43 100

70 42.9 36.5 54.7

55 25.0 20.1 30.1

61 24.5 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

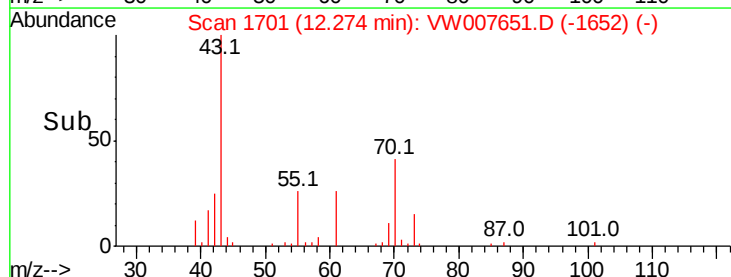
10000

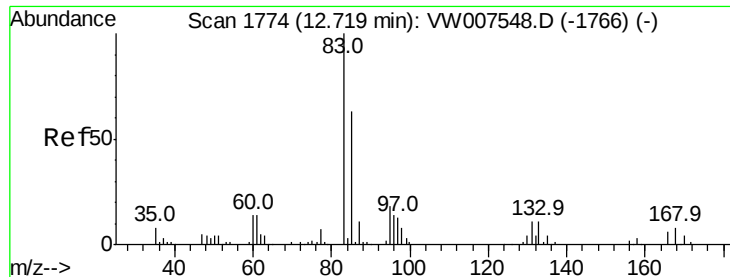
5000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.435 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampleId :

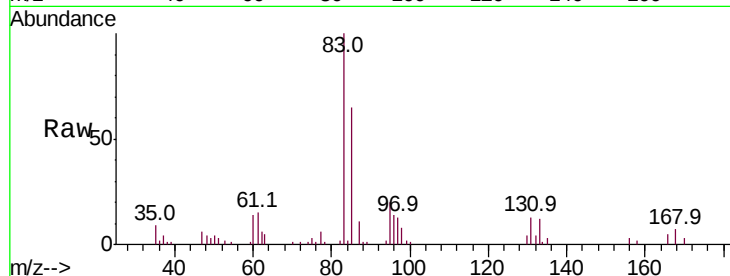
Tot Ion: 83 Resp: 12503

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.8

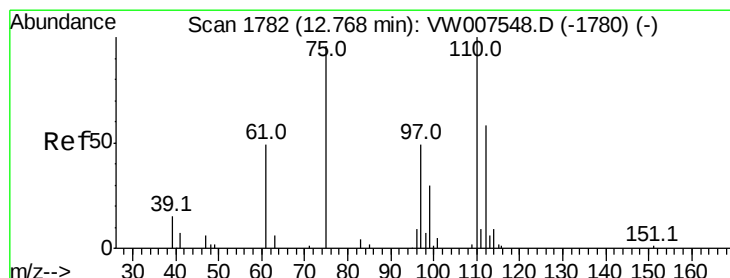
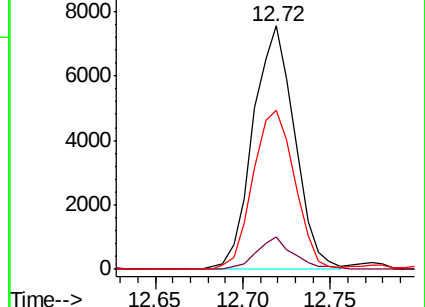
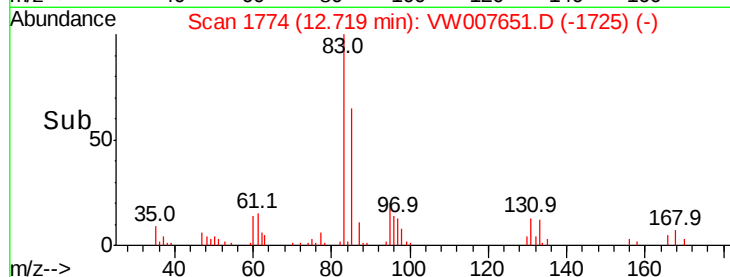
85 65.6 30.0 90.0



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: 43.198 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW007651.D

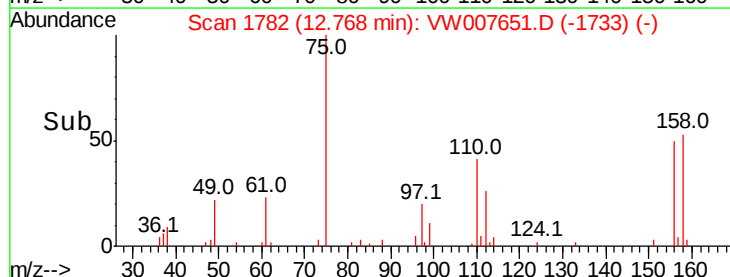
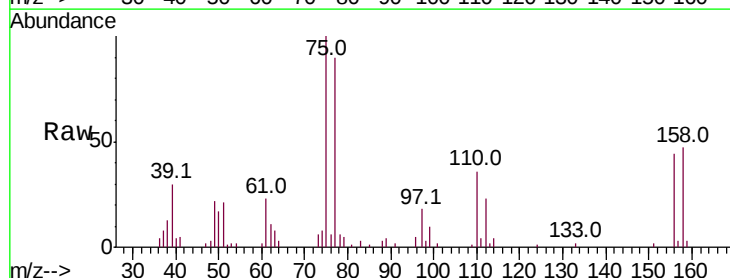
Acq: 18 Dec 2018 12:07

Tgt Ion: 75 Resp: 18307

Ion Ratio Lower Upper

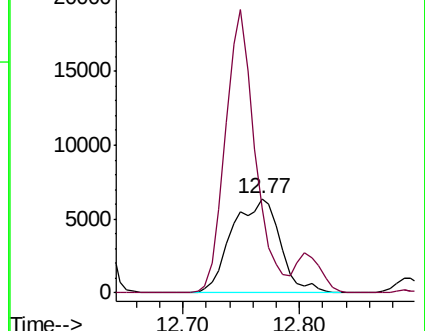
75 100

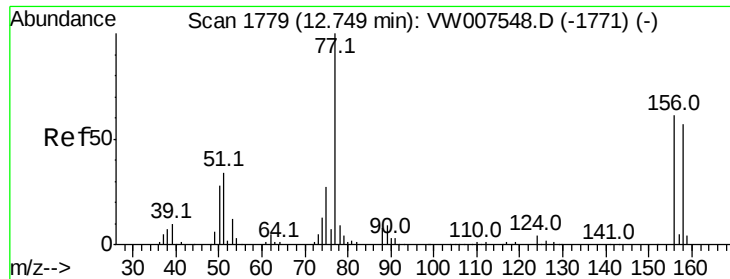
77 187.3 166.9 500.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

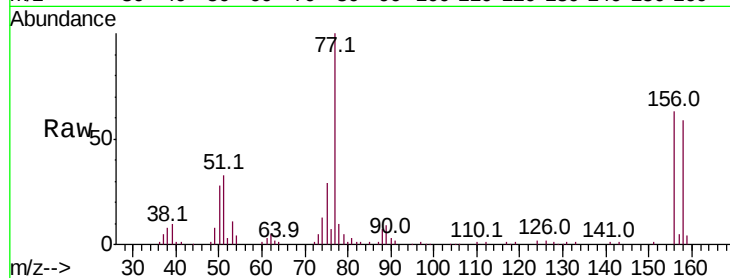




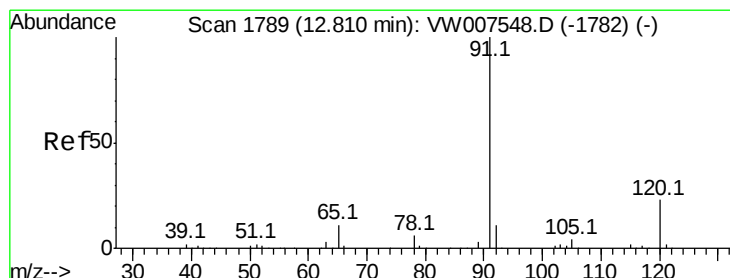
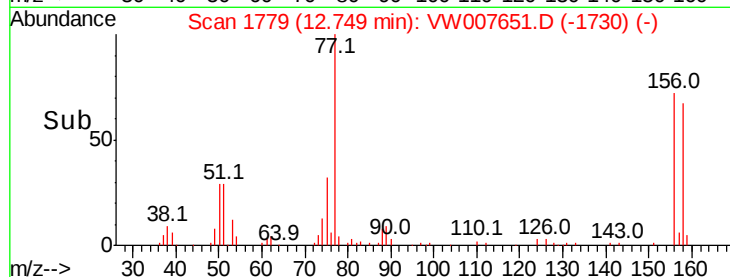
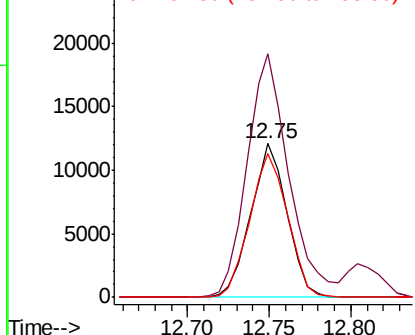
#77
Bromobenzene
Concen: 21.431 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:156 Resp: 18709
Ion Ratio Lower Upper
156 100
77 183.3 88.1 264.4
158 97.5 45.6 136.7

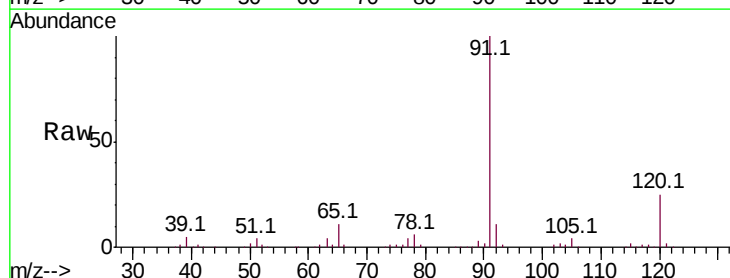


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

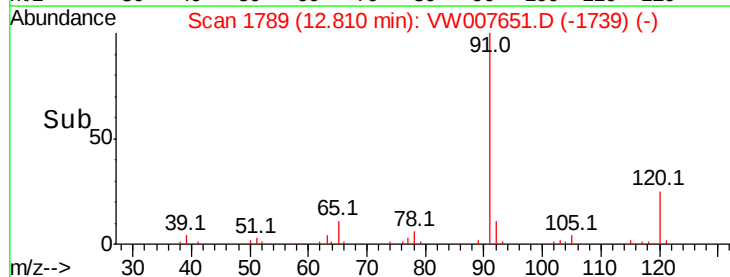
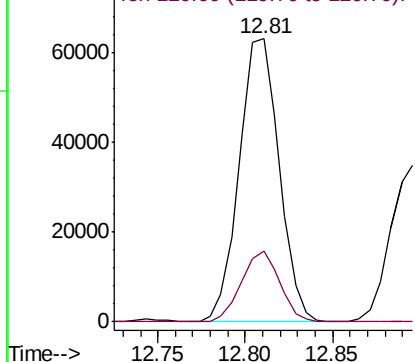


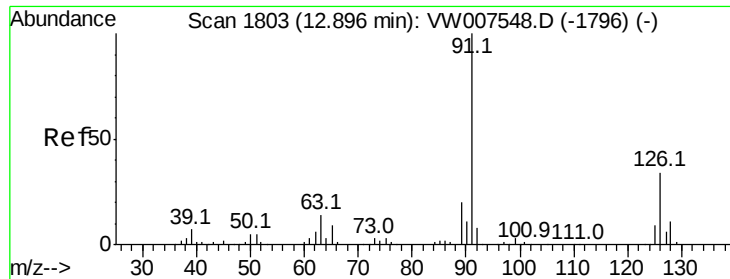
#78
n-propylbenzene
Concen: 22.517 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 91 Resp: 99801
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.5



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





#79

2-Chlorotoluene

Concen: 21.384 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

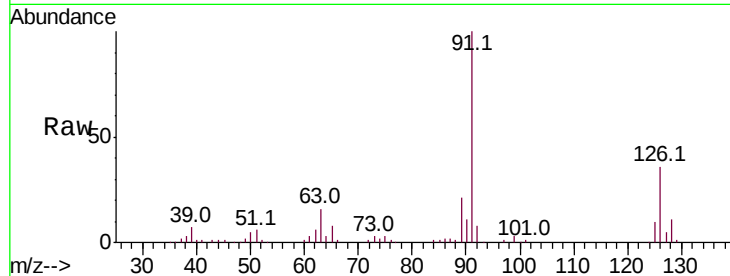
ClientSampleId :

Tot Ion: 91 Resp: 57347

Ion Ratio Lower Upper

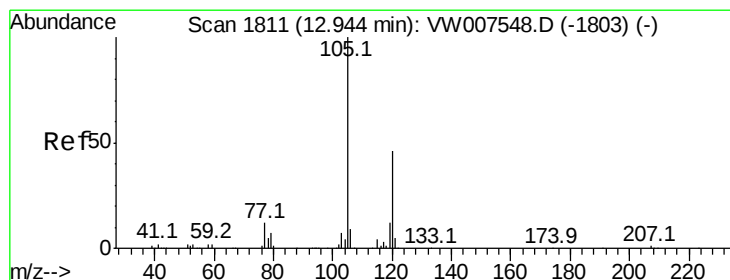
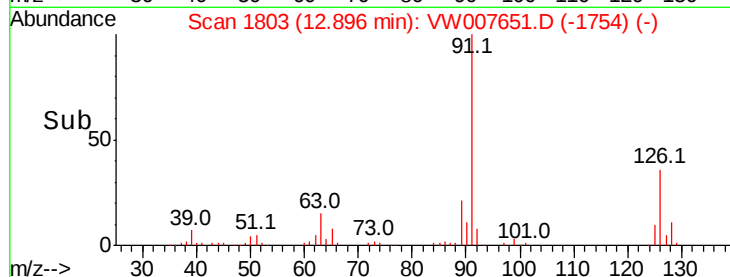
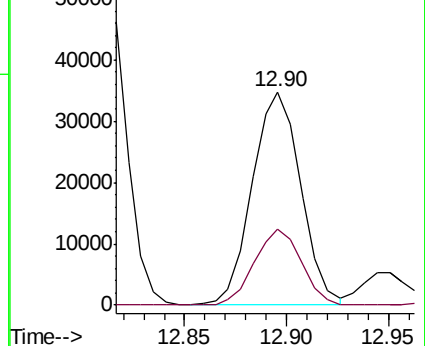
91 100

126 34.5 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.242 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007651.D

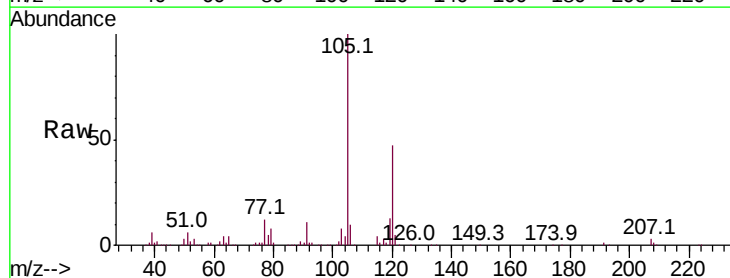
Acq: 18 Dec 2018 12:07

Tgt Ion:105 Resp: 73602

Ion Ratio Lower Upper

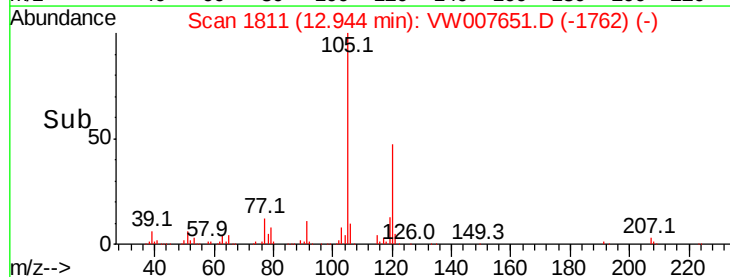
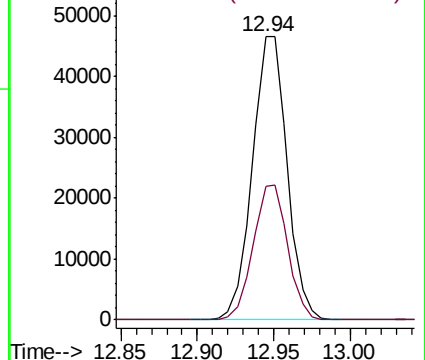
105 100

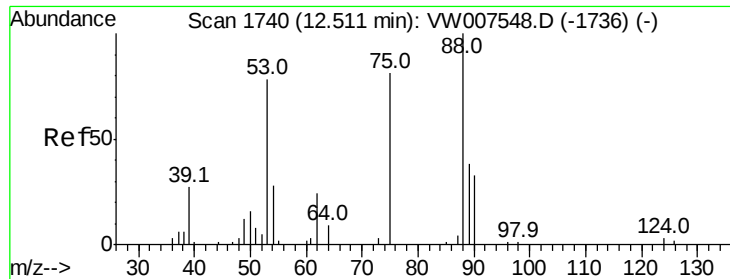
120 47.2 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.928 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampleId :

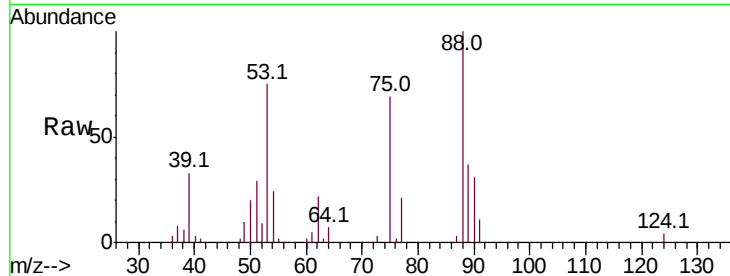
Tot Ion: 75 Resp: 4015

Ion Ratio Lower Upper

75 100

53 99.0 84.9 127.3

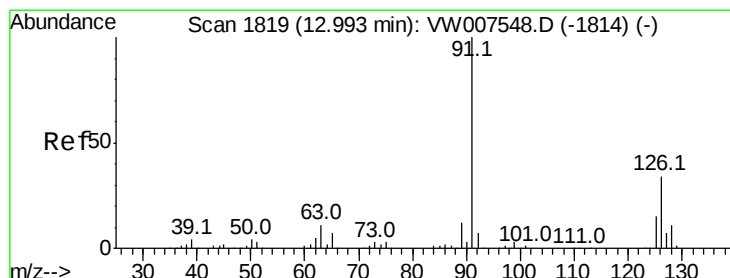
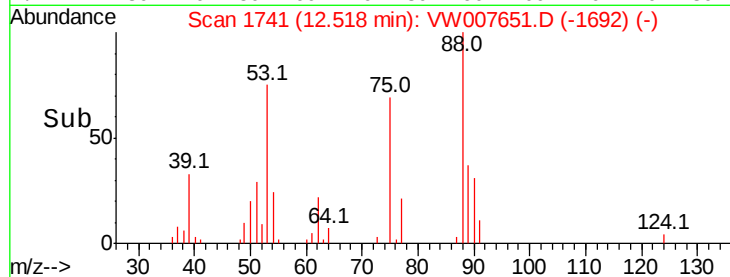
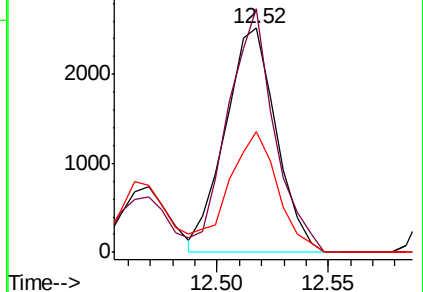
89 52.2 40.3 60.5



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: 21.559 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007651.D

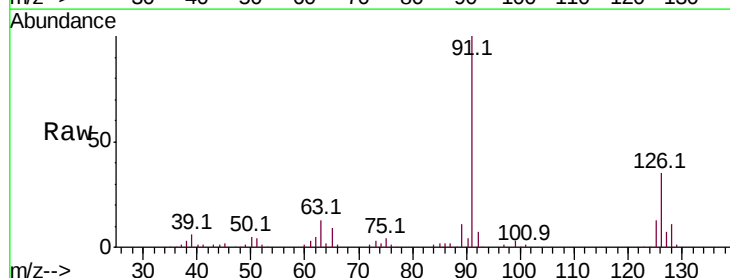
Acq: 18 Dec 2018 12:07

Tgt Ion: 91 Resp: 60947

Ion Ratio Lower Upper

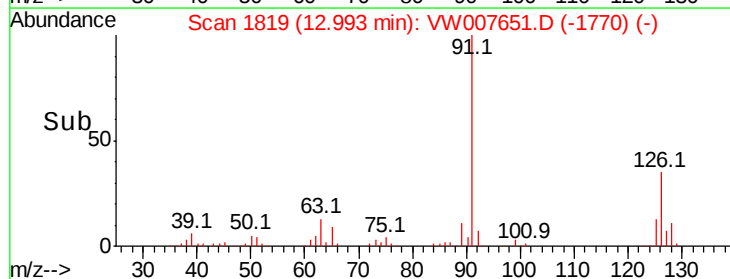
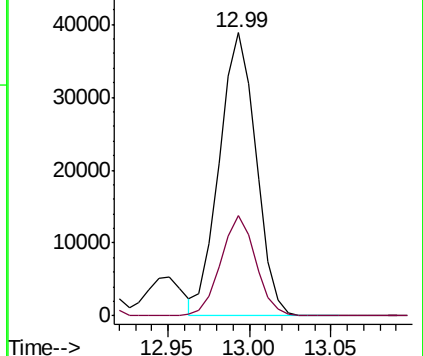
91 100

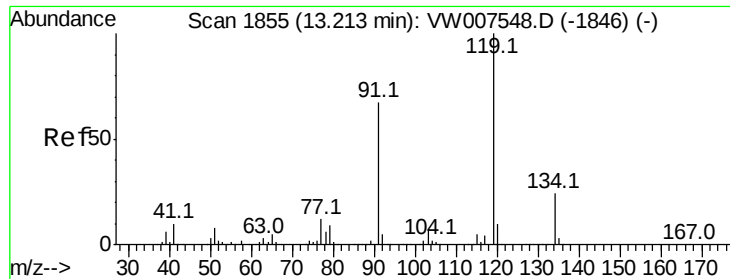
126 33.9 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

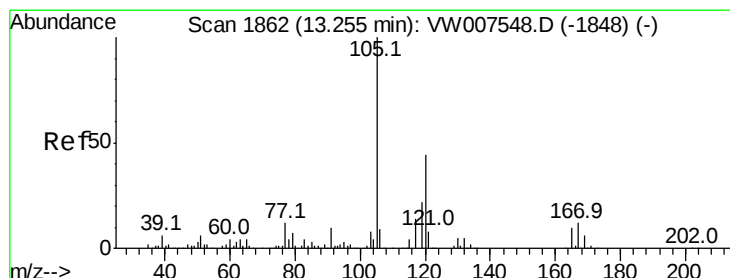
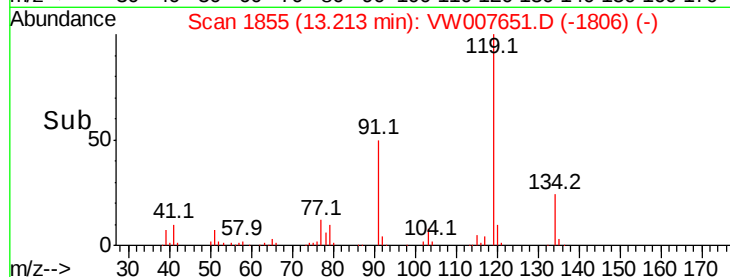
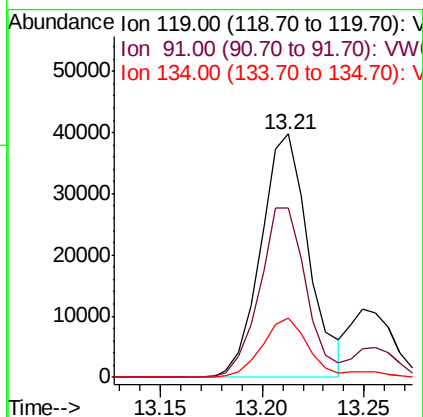
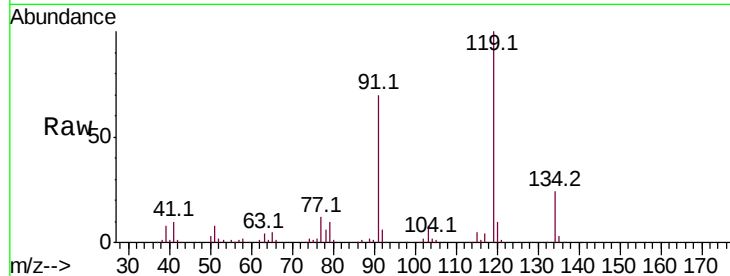




#83
tert-Butylbenzene
Concen: 22.242 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

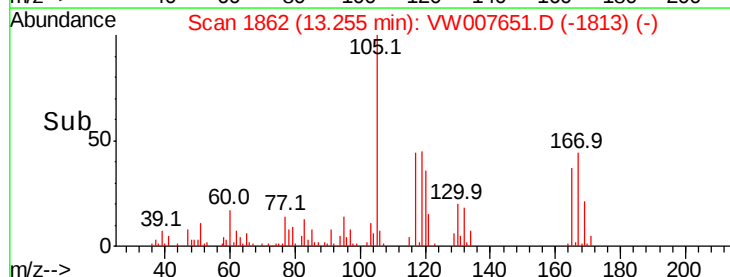
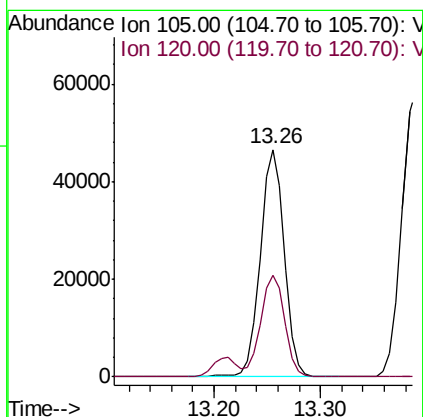
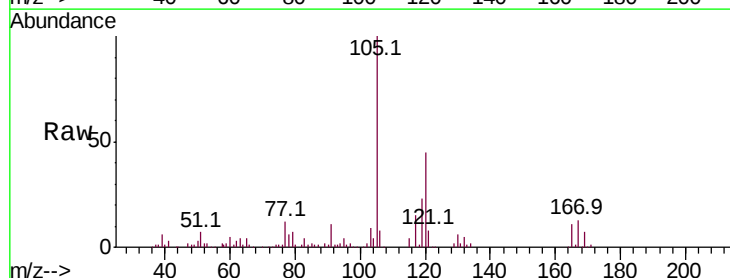
Instrument :
MSVOA_W
ClientSampled :

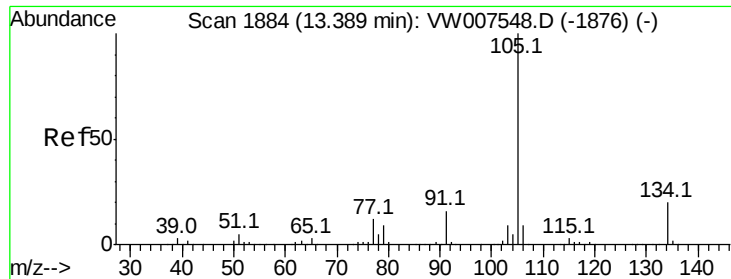
Tot Ion:119 Resp: 64855
Ion Ratio Lower Upper
119 100
91 67.9 33.1 99.2
134 23.8 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 21.583 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion:105 Resp: 73497
Ion Ratio Lower Upper
105 100
120 44.7 22.6 67.7

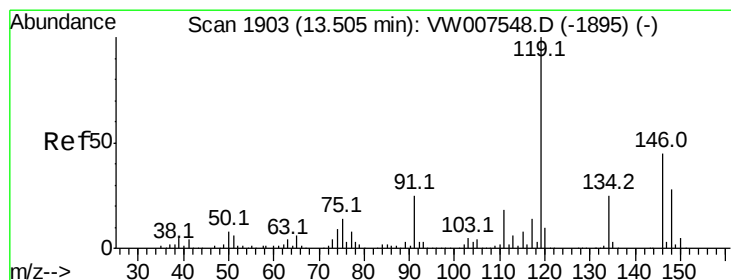
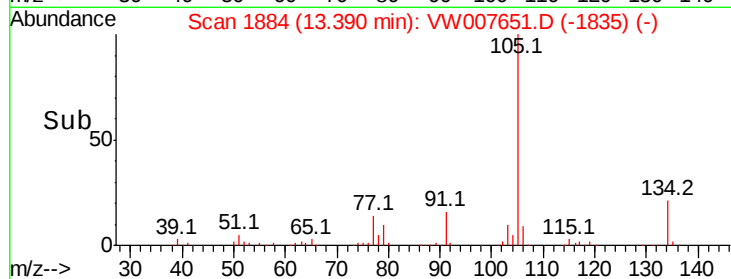
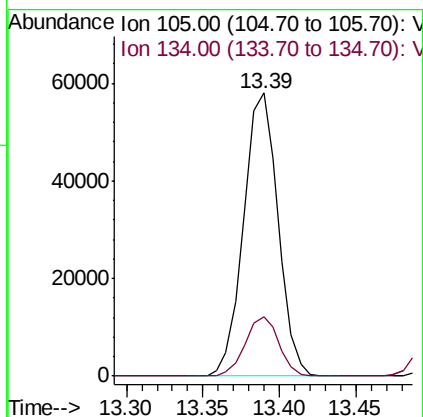
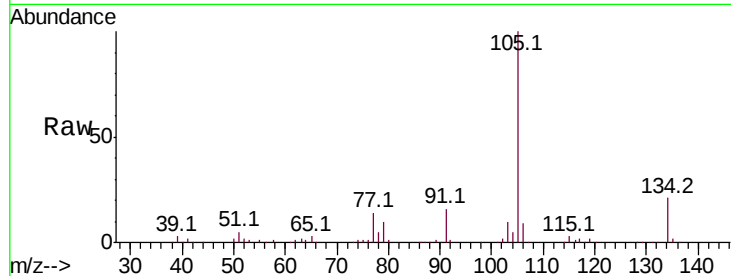




#85
 sec-Butylbenzene
 Concen: 22.769 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

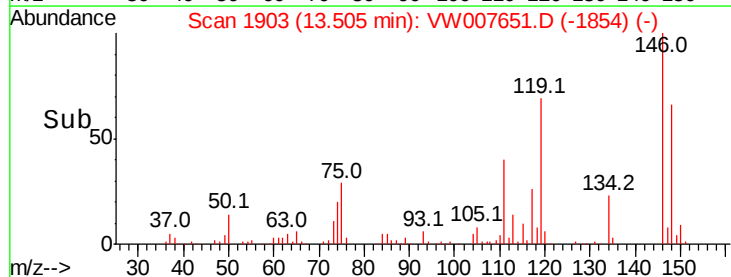
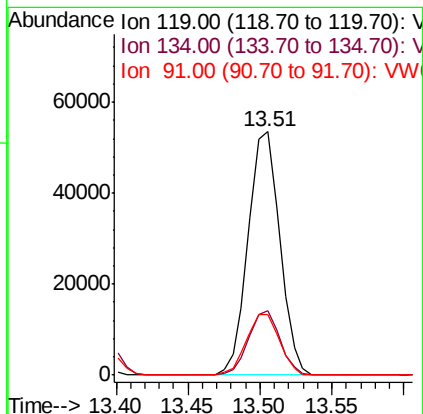
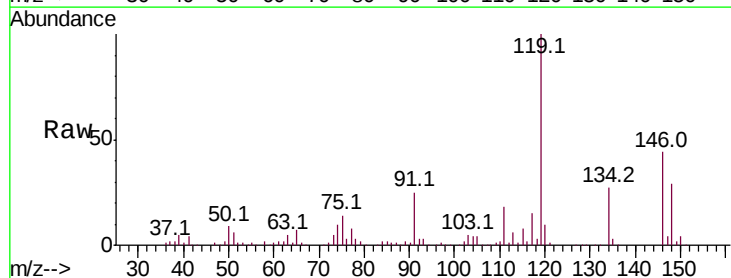
Instrument :
 MSVOA_W
 ClientSampled :

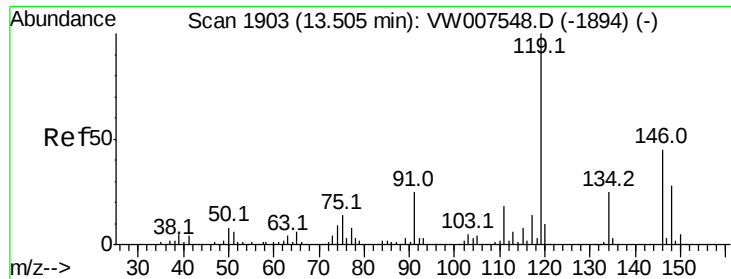
Tot Ion:105 Resp: 90632
 Ion Ratio Lower Upper
 105 100
 134 20.4 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 22.805 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion:119 Resp: 81550
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.7
 91 26.0 11.9 35.9

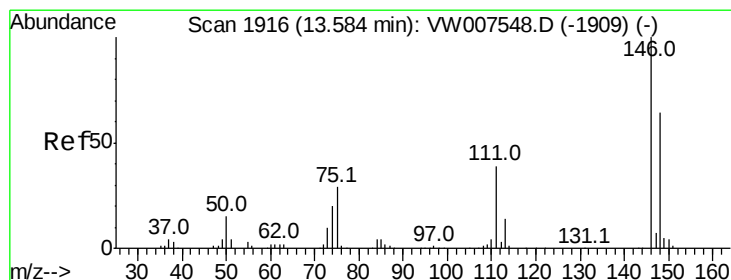
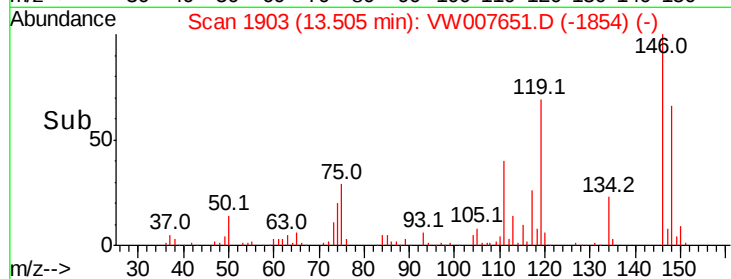
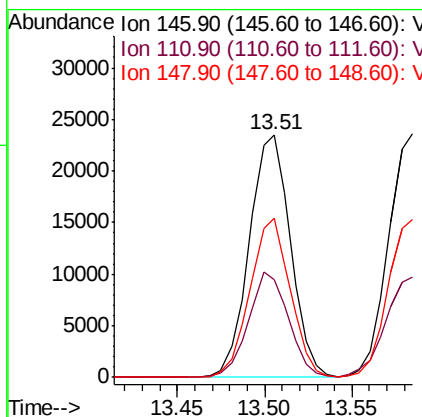
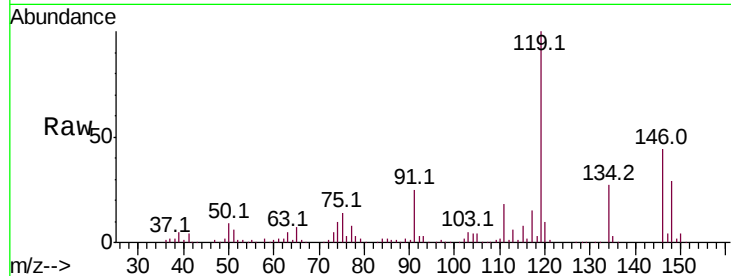




#87
 1,3-Dichlorobenzene
 Concen: 22.067 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

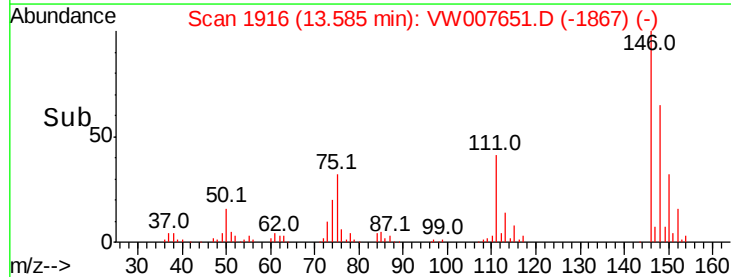
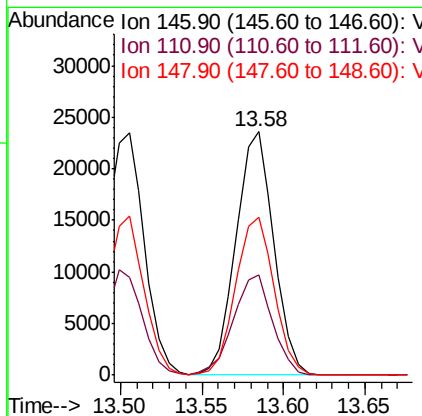
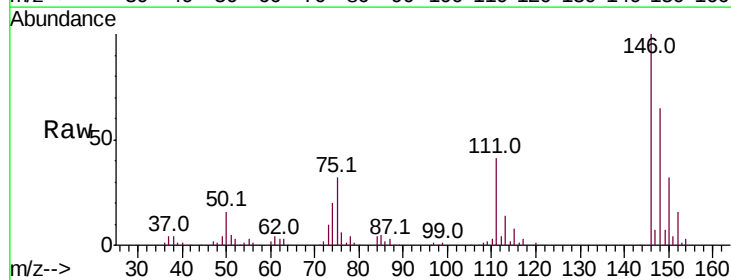
Instrument :
 MSVOA_W
 ClientSampleId :

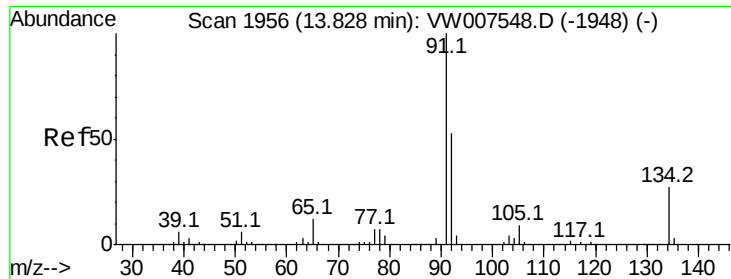
Tot Ion:146 Resp: 38409
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.1 60.3
 148 64.2 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 21.756 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion:146 Resp: 38068
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.3 61.0
 148 66.1 33.5 100.5

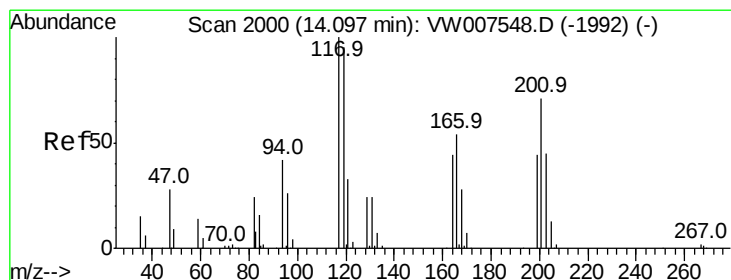
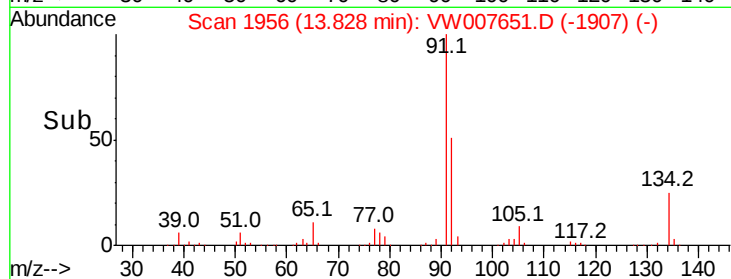
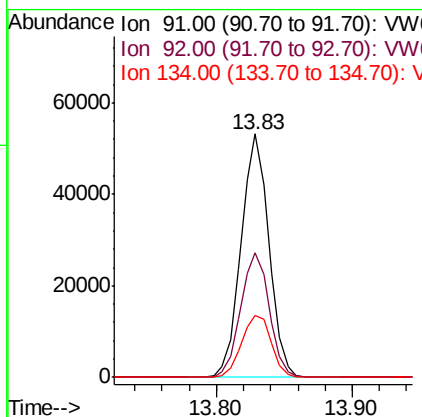
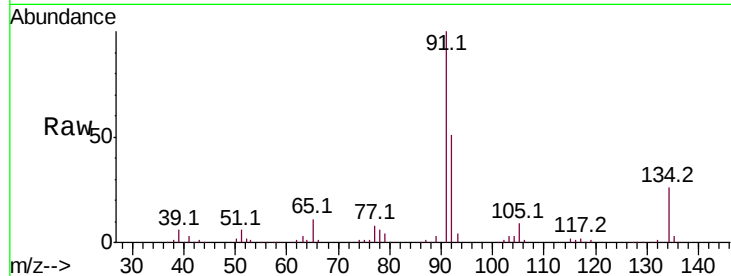




#89
n-Butylbenzene
Concen: 22.938 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

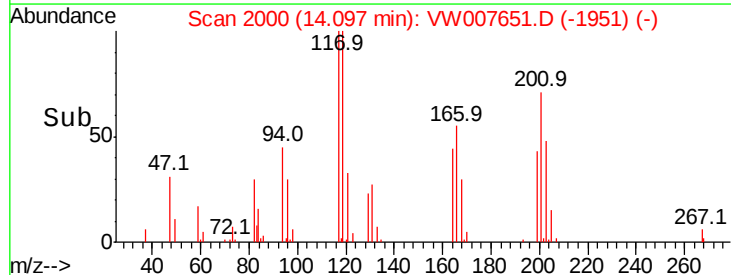
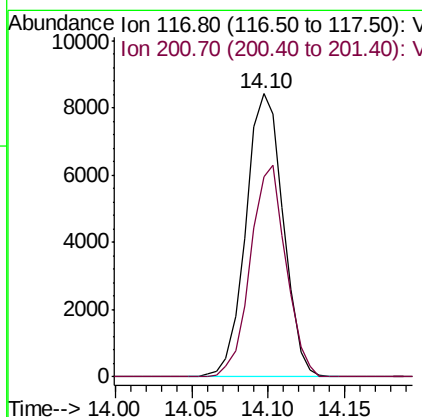
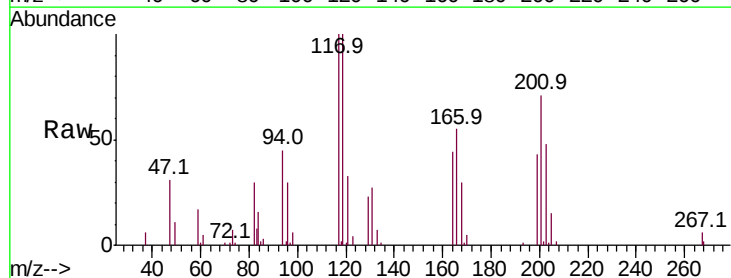
Instrument :
MSVOA_W
ClientSampleId :

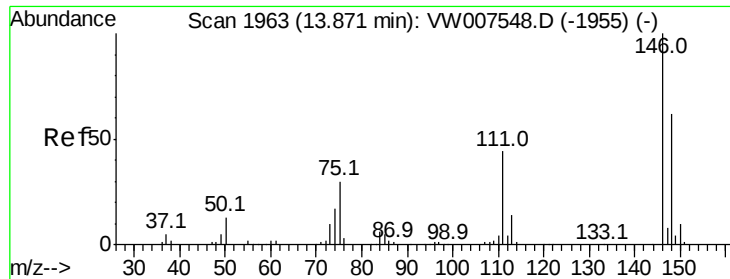
Tot Ion: 91 Resp: 76041
Ion Ratio Lower Upper
91 100
92 52.5 25.7 77.1
134 27.0 13.4 40.2



#90
Hexachloroethane
Concen: 22.425 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion: 117 Resp: 14268
Ion Ratio Lower Upper
117 100
201 71.3 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 22.118 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

Instrument :

MSVOA_W

ClientSampleId :

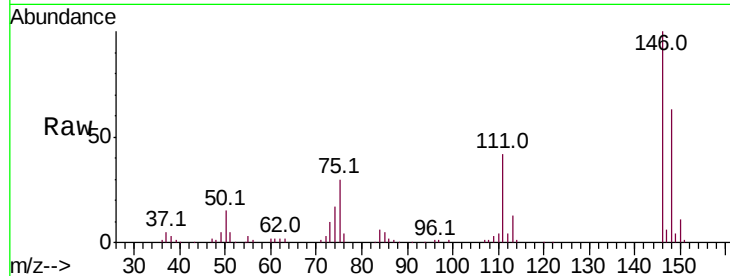
Tot Ion:146 Resp: 34480

Ion Ratio Lower Upper

146 100

111 43.2 22.4 67.2

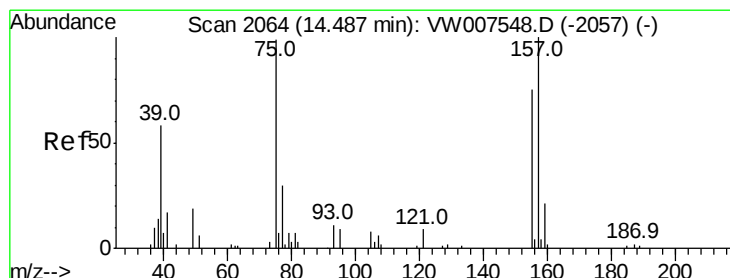
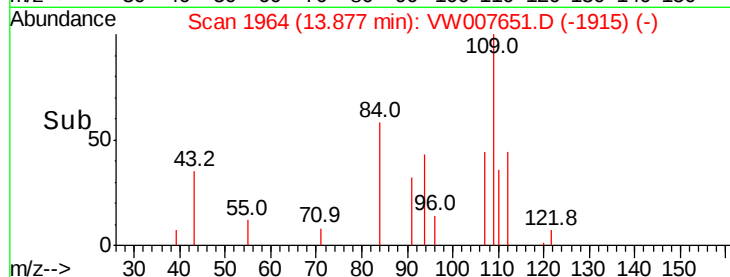
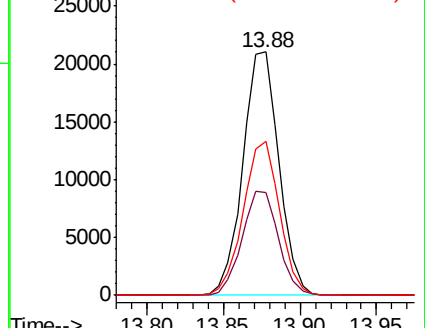
148 63.6 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.314 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007651.D

Acq: 18 Dec 2018 12:07

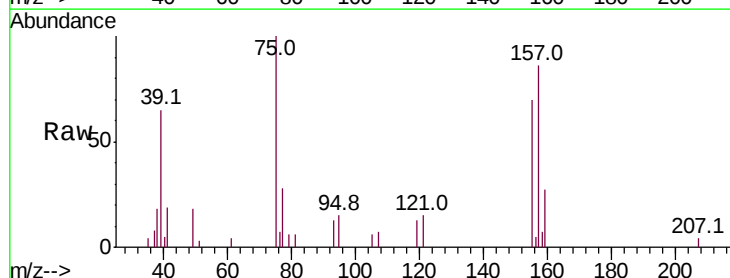
Tgt Ion: 75 Resp: 2495

Ion Ratio Lower Upper

75 100

155 75.1 40.8 122.2

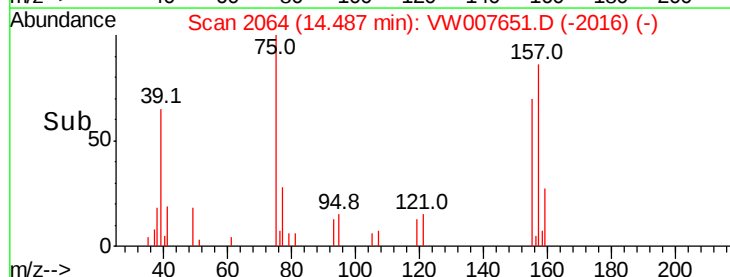
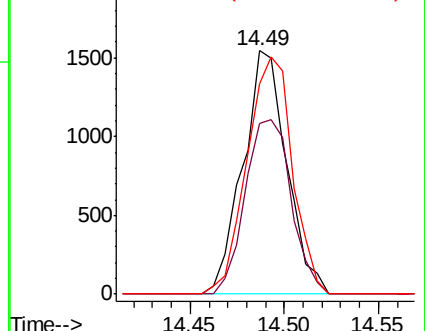
157 101.2 51.1 153.4

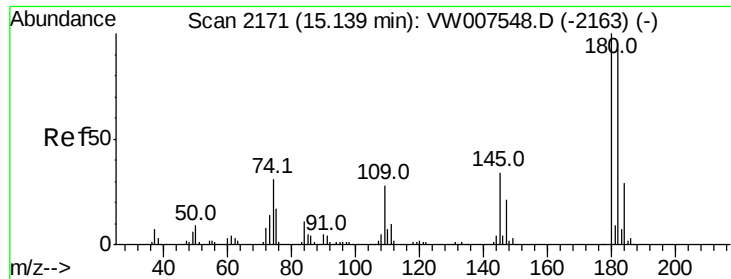


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

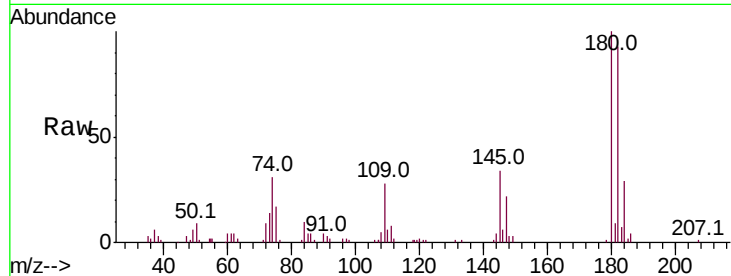




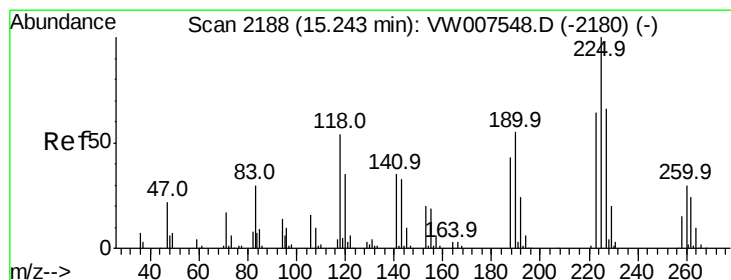
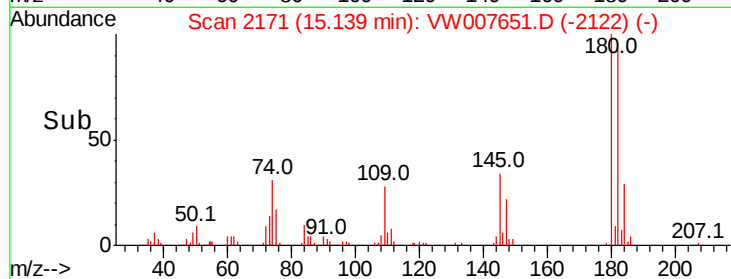
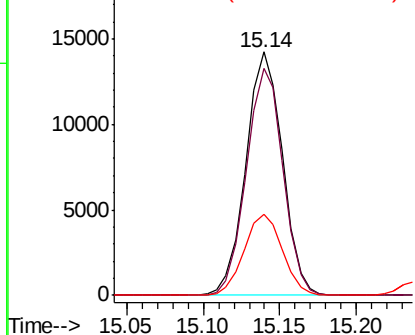
#93
 1,2,4-Trichlorobenzene
 Concen: 22.049 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	49.9	149.6
145	34.9	17.8	53.4

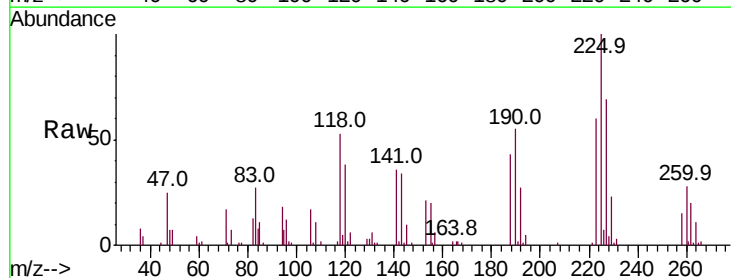


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

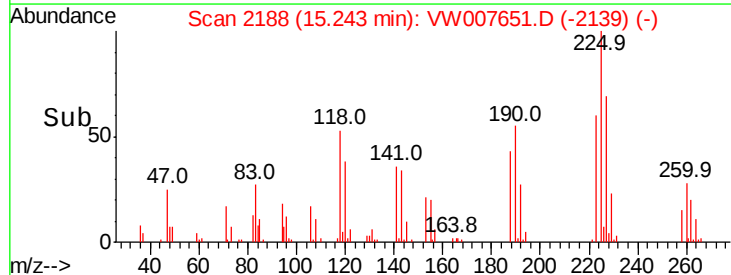
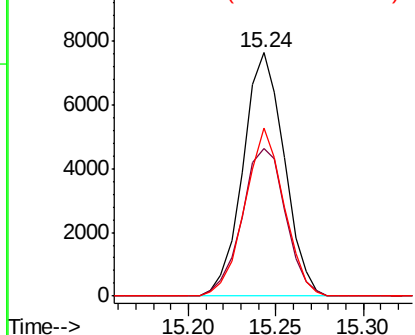


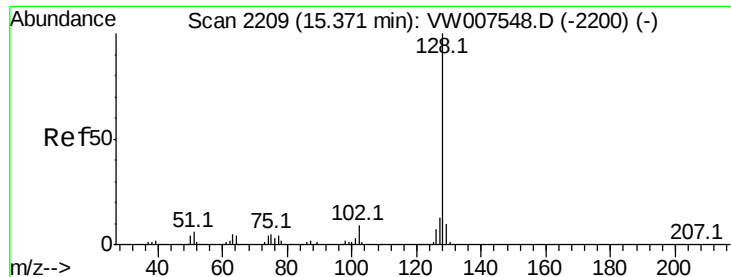
#94
 Hexachlorobutadiene
 Concen: 22.047 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007651.D
 Acq: 18 Dec 2018 12:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	32.1	96.3
227	65.7	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

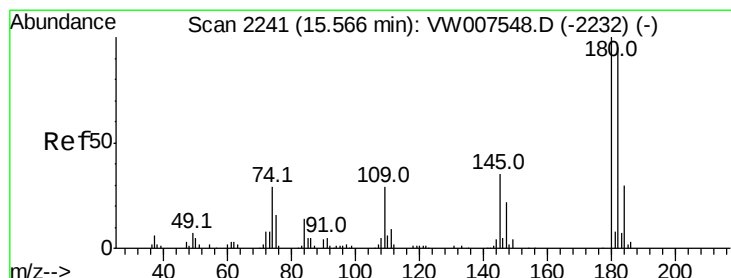
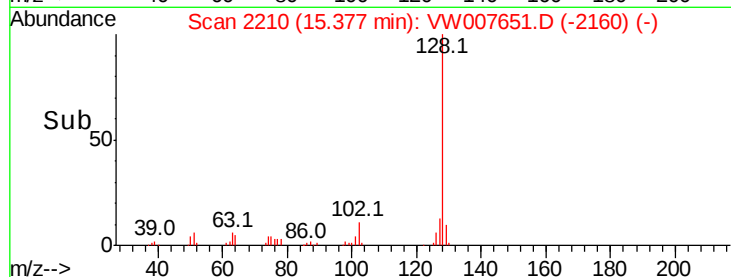
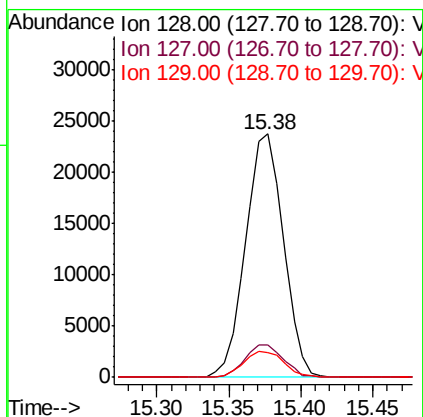
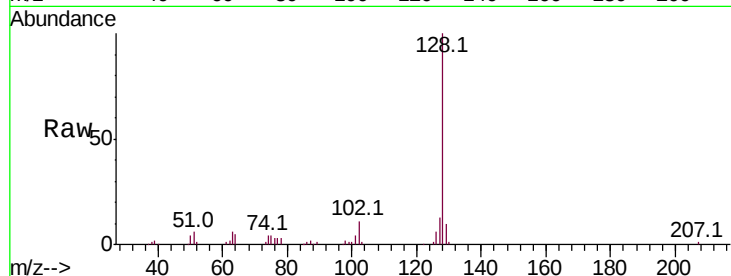




#95
Naphthalene
Concen: 21.026 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 43153
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.3 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 22.001 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007651.D
Acq: 18 Dec 2018 12:07

Tgt Ion:180 Resp: 20504
Ion Ratio Lower Upper
180 100
182 89.0 45.6 136.7
145 36.2 17.5 52.5

