

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008042.D
 Acq On : 04 Jan 2019 12:50
 Operator : SY/AP
 Sample : VW0104SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

Quant Time: Jan 05 00:35:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	74807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	120364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	98726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44629	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
35) Dibromofluoromethane	7.88	113	38372	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.32	98	149023	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.62	95	51466	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11352	16.536	ug/l	96
3) Chloromethane	2.21	50	9686	19.019	ug/l	98
4) Vinyl Chloride	2.37	62	13632	20.725	ug/l	91
5) Bromomethane	2.79	94	7767	18.586	ug/l	88
6) Chloroethane	2.93	64	6095	18.130	ug/l	90
7) Trichlorofluoromethane	3.26	101	13785	20.878	ug/l	94
8) Diethyl Ether	3.68	74	7173	21.152	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16166	20.603	ug/l	98
10) Methyl Iodide	4.26	142	25138	19.914	ug/l	98
11) Tert butyl alcohol	5.12	59	280	5.209	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	15021	20.000	ug/l	94
13) Acrolein	3.90	56	3487	95.740	ug/l	95
14) Allyl chloride	4.67	41	19993	19.649	ug/l	99
15) Acrylonitrile	5.38	53	12827	102.838	ug/l	99
16) Acetone	4.14	43	14472	112.992	ug/l	97
17) Carbon Disulfide	4.38	76	43323	18.884	ug/l	99
18) Methyl Acetate	4.68	43	6770	20.382	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	24383	20.629	ug/l	94
20) Methylene Chloride	4.92	84	16146	18.966	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	15972	19.546	ug/l	98
22) Diisopropyl ether	6.31	45	37777	20.685	ug/l	97
23) Vinyl Acetate	6.26	43	107550	105.253	ug/l	97
24) 1,1-Dichloroethane	6.22	63	26579	19.587	ug/l	97
25) 2-Butanone	7.18	43	16981	112.528	ug/l	96
26) 2,2-Dichloropropane	7.17	77	22635	20.246	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	16887	19.401	ug/l	99
28) Bromochloromethane	7.52	49	7555	17.322	ug/l #	95
29) Tetrahydrofuran	7.54	42	9794	104.486	ug/l	96
30) Chloroform	7.68	83	29460	19.371	ug/l	100
31) Cyclohexane	7.96	56	25280	19.988	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	29248	20.099	ug/l	98
36) 1,1-Dichloropropene	8.08	75	22860	19.253	ug/l	99
37) Ethyl Acetate	7.26	43	7456	20.906	ug/l	99
38) Carbon Tetrachloride	8.07	117	27779	19.522	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29131	19.683	ug/l	97
40) Benzene	8.32	78	61601	19.666	ug/l	99
41) Methacrylonitrile	7.49	41	3833	18.279	ug/l #	77
42) 1,2-Dichloroethane	8.40	62	20679	19.814	ug/l	99
43) Isopropyl Acetate	8.43	43	15787	22.154	ug/l	99
44) Trichloroethene	9.09	130	18379	19.884	ug/l	98
45) 1,2-Dichloropropane	9.37	63	13564	20.006	ug/l #	88
46) Dibromomethane	9.46	93	7959	20.078	ug/l	97
47) Bromodichloromethane	9.65	83	21906	19.730	ug/l	99
48) Methyl methacrylate	9.44	41	7629	21.232	ug/l	98
49) 1,4-Dioxane	9.48	88	2050	349.464	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	36221	109.806	ug/l	99
52) Toluene	10.38	92	40518	19.594	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	21548	20.183	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	24252	20.357	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	10967	20.434	ug/l	97
56) Ethyl methacrylate	10.65	69	12655	20.857	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18640	20.440	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	30008	104.283	ug/l	100
59) 2-Hexanone	10.97	43	24893	109.313	ug/l	99
60) Dibromochloromethane	11.13	129	14207	19.338	ug/l	95
61) 1,2-Dibromoethane	11.24	107	10163	18.922	ug/l	99
64) Tetrachloroethene	10.86	164	14708	21.567	ug/l	97
65) Chlorobenzene	11.66	112	39709	18.820	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	15249	19.957	ug/l	98
67) Ethyl Benzene	11.73	91	72428	19.339	ug/l #	89
68) m/p-Xylenes	11.84	106	59834	41.324	ug/l	94
69) o-Xylene	12.17	106	26147	19.407	ug/l	96
70) Styrene	12.18	104	41570	18.930	ug/l	100
71) Bromoform	12.35	173	7538	21.293	ug/l #	97
73) Isopropylbenzene	12.47	105	71666	18.709	ug/l	93
74) N-amyl acetate	12.28	43	12583	21.103	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10212	20.953	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15759	41.121	ug/l	23
77) Bromobenzene	12.74	156	16589	20.149	ug/l	94
78) n-propylbenzene	12.80	91	88708	19.974	ug/l	100
79) 2-Chlorotoluene	12.90	91	50559	19.697	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	68368	20.735	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3489	21.530	ug/l	96
82) 4-Chlorotoluene	12.99	91	49965	18.307	ug/l	94
83) tert-Butylbenzene	13.21	119	58034	20.118	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	66804	20.003	ug/l	95
85) sec-Butylbenzene	13.39	105	84651	21.332	ug/l	97
86) p-Isopropyltoluene	13.50	119	71342	19.931	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	33145	19.952	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	34369	20.897	ug/l	96
89) n-Butylbenzene	13.83	91	69888	21.346	ug/l	94
90) Hexachloroethane	14.09	117	12042	19.388	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	29554	20.245	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2129	21.522	ug/l	92

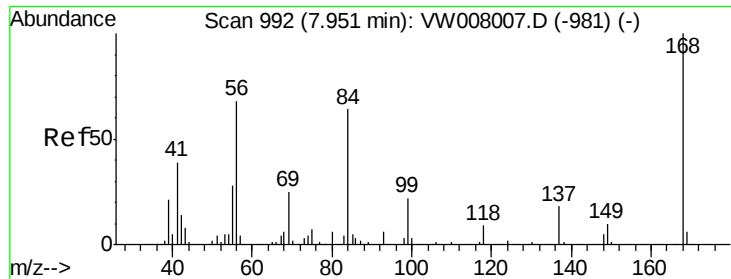
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Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21244	20.720	ug/l	98
94) Hexachlorobutadiene	15.24	225	11719	19.796	ug/l	96
95) Naphthalene	15.38	128	37294	21.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	17489	20.731	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

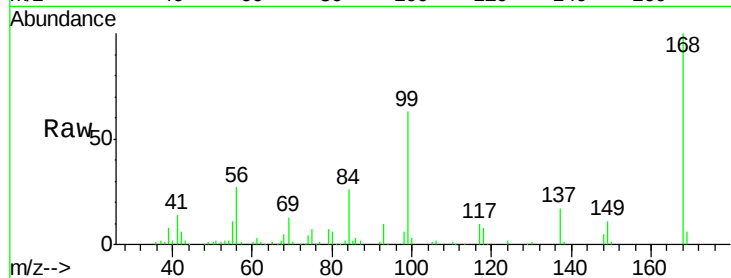
VW0104SBSD01

Tot Ion:168 Resp: 74807

Ion Ratio Lower Upper

168 100

99 62.9 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

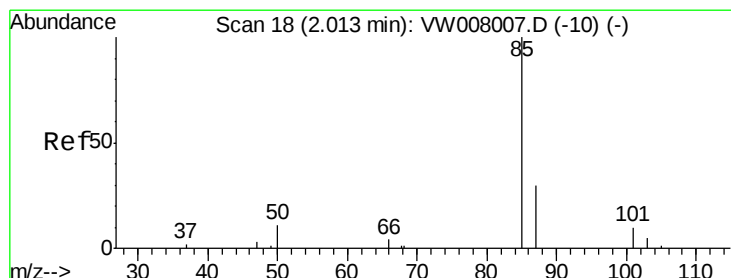
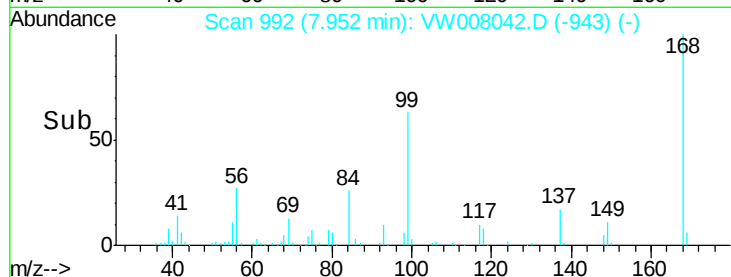
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 16.536 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008042.D

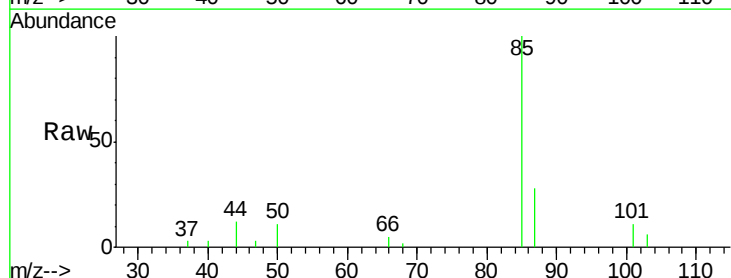
Acq: 04 Jan 2019 12:50

Tgt Ion: 85 Resp: 11352

Ion Ratio Lower Upper

85 100

87 28.0 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

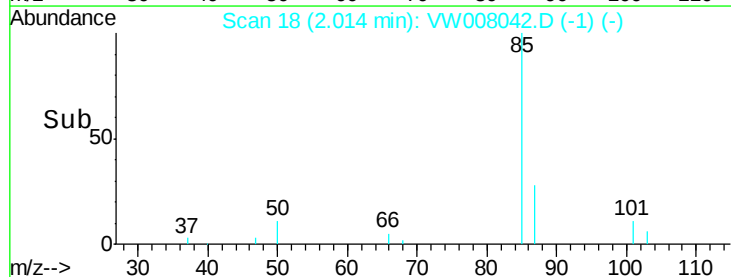
2000

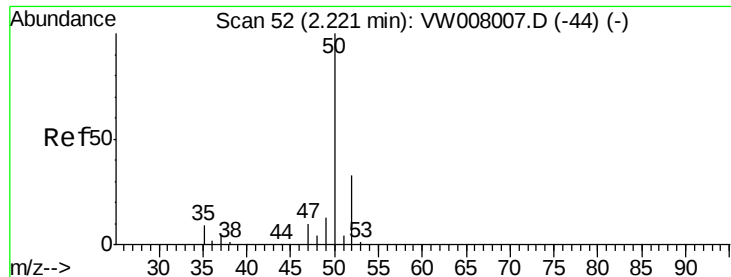
1000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.019 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

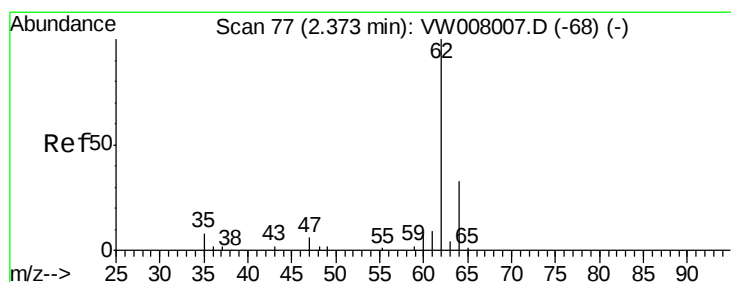
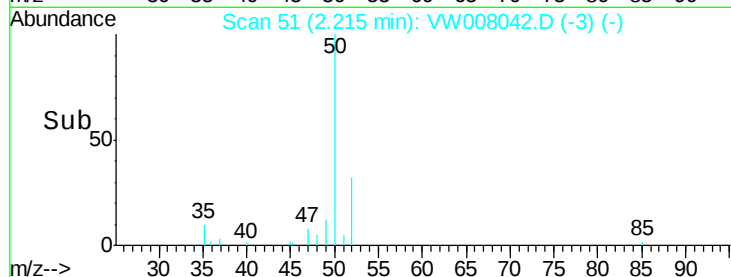
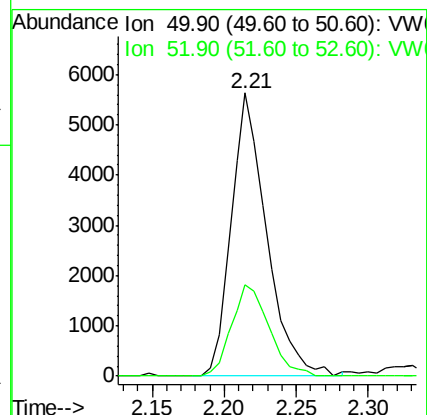
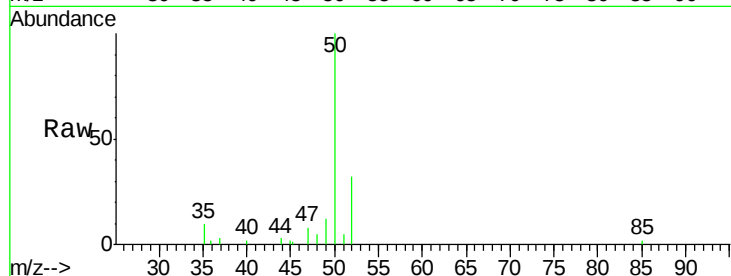
VW0104SBSD01

Tot Ion: 50 Resp: 9686

Ion Ratio Lower Upper

50 100

52 32.3 26.8 40.2



#4

Vinyl Chloride

Concen: 20.725 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008042.D

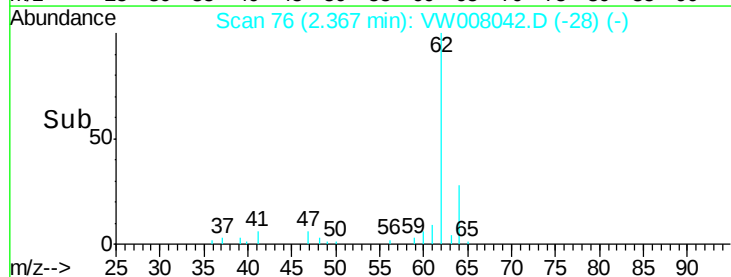
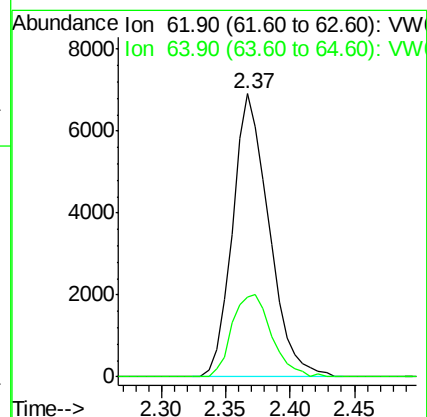
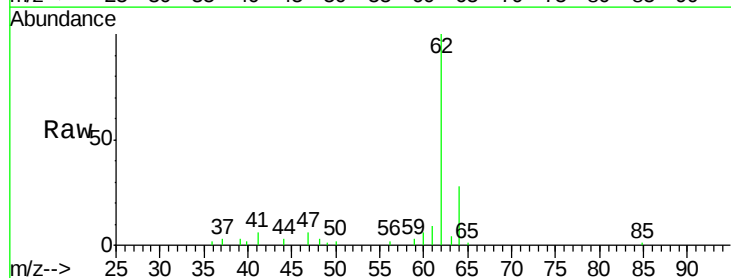
Acq: 04 Jan 2019 12:50

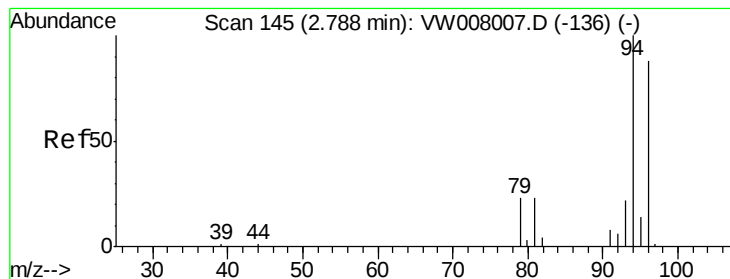
Tgt Ion: 62 Resp: 13632

Ion Ratio Lower Upper

62 100

64 28.2 26.8 40.2





#5

Bromomethane

Concen: 18.586 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

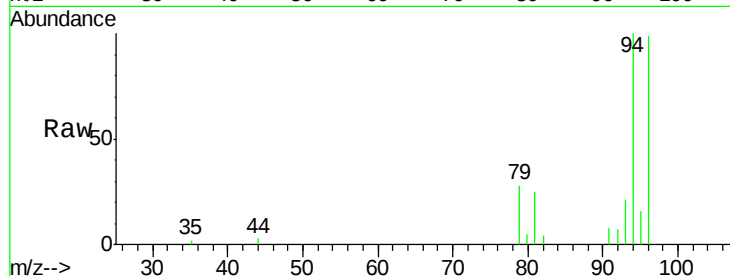
VW0104SBSD01

Tot Ion: 94 Resp: 7767

Ion Ratio Lower Upper

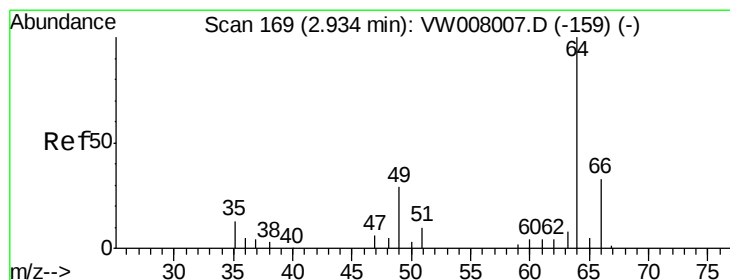
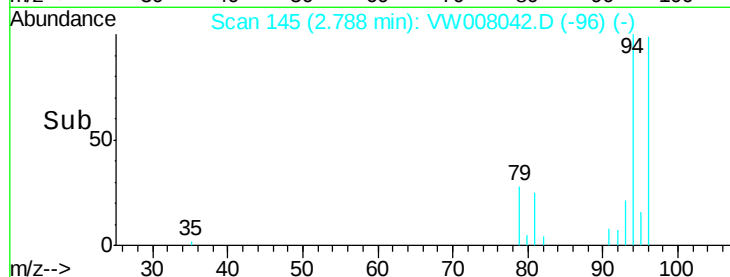
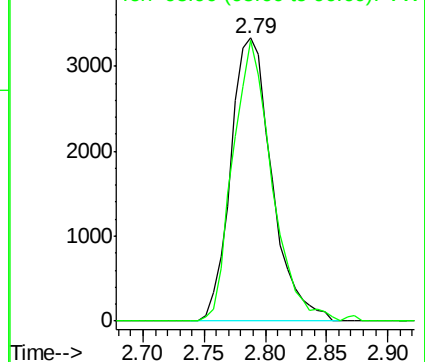
94 100

96 99.2 70.7 106.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.130 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008042.D

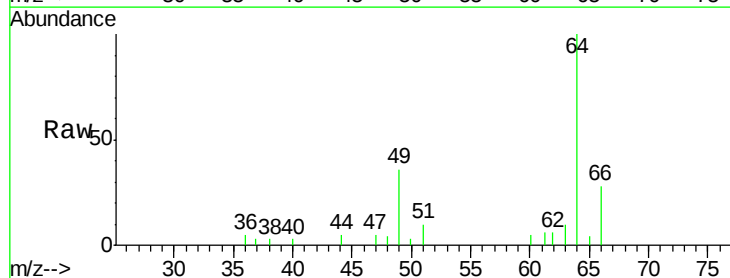
Acq: 04 Jan 2019 12:50

Tgt Ion: 64 Resp: 6095

Ion Ratio Lower Upper

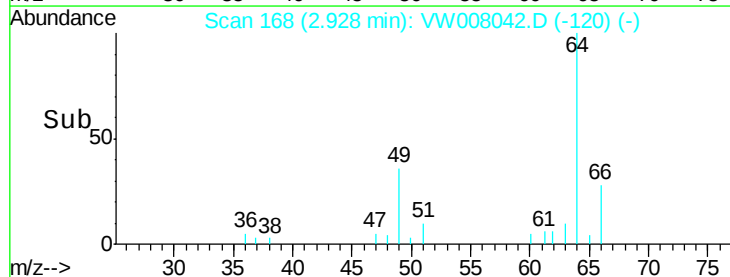
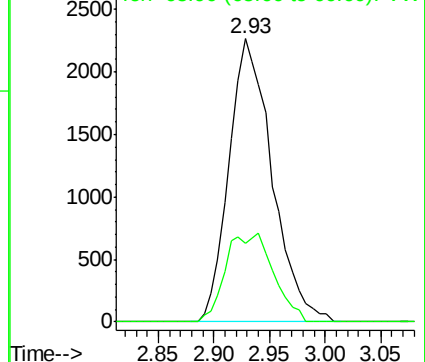
64 100

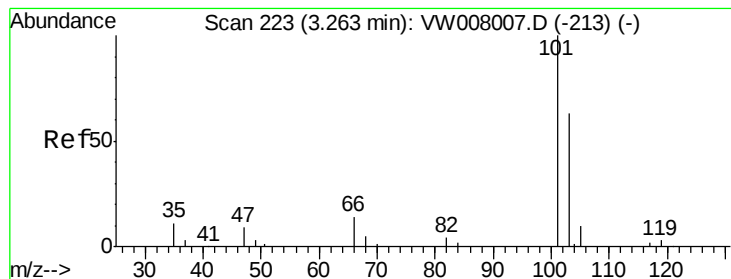
66 27.8 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



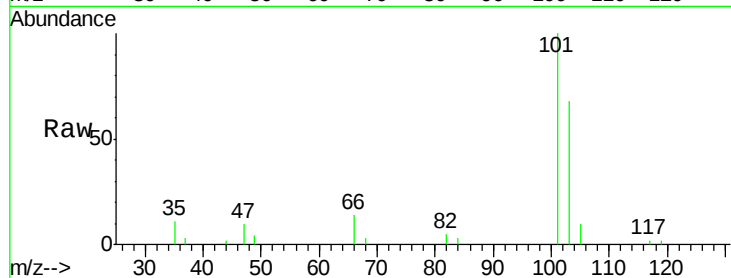


#7

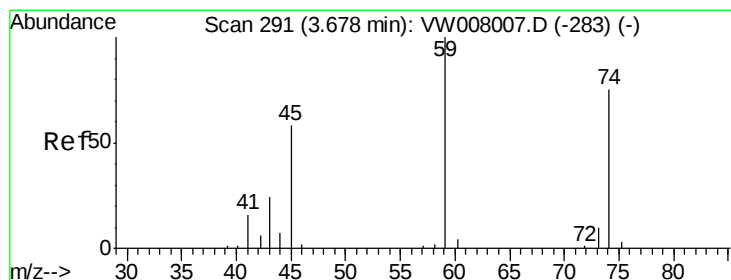
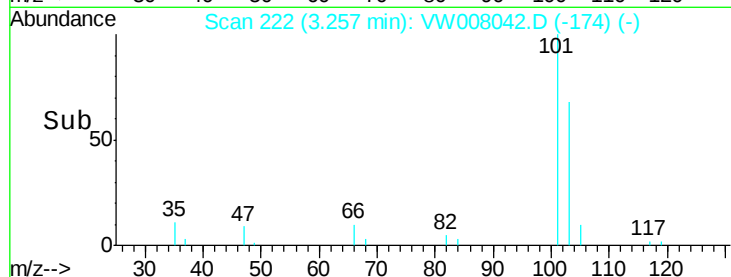
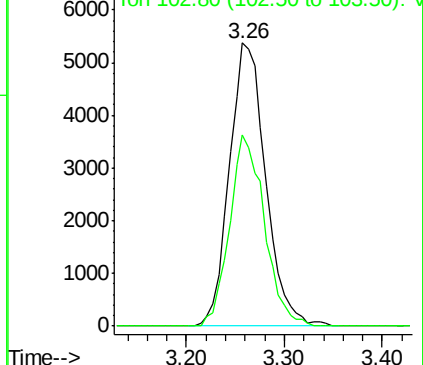
Trichlorofluoromethane
 Concen: 20.878 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Instrument :
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 VW0104SBSD01

Tot Ion:101 Resp: 13785
 Ion Ratio Lower Upper
 101 100
 103 67.5 50.5 75.7



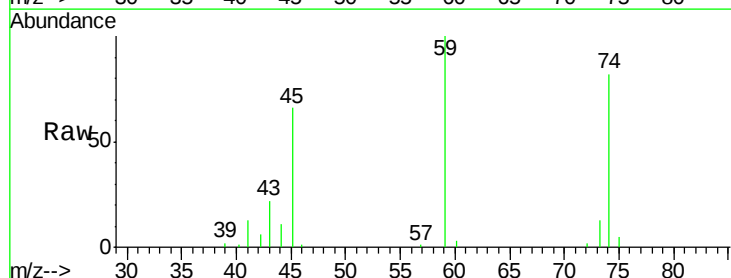
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



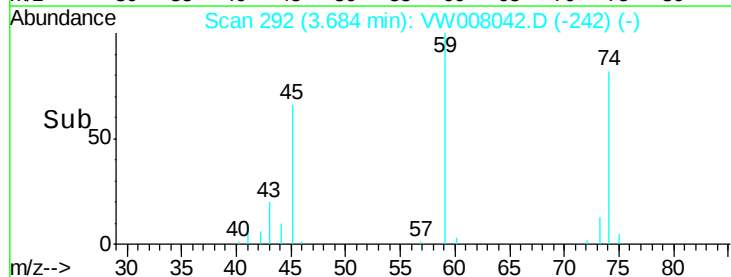
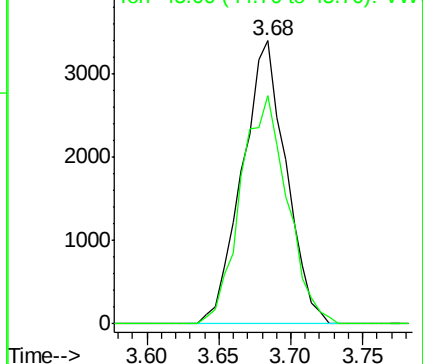
#8

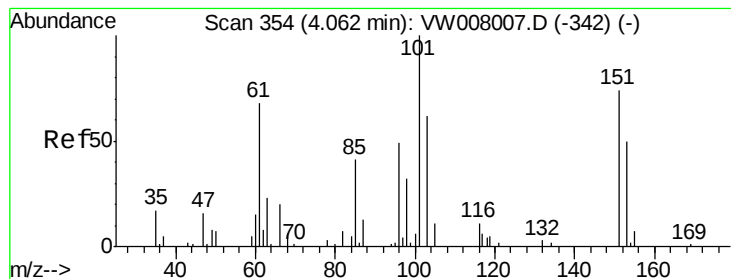
Diethyl Ether
 Concen: 21.152 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion: 74 Resp: 7173
 Ion Ratio Lower Upper
 74 100
 45 85.9 41.4 124.2



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.603 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

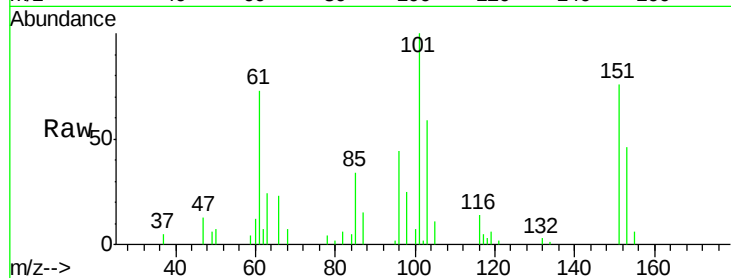
Tot Ion:101 Resp: 16166

Ion Ratio Lower Upper

101 100

85 43.0 35.1 52.7

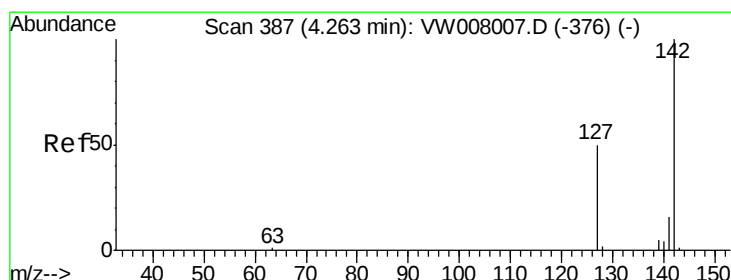
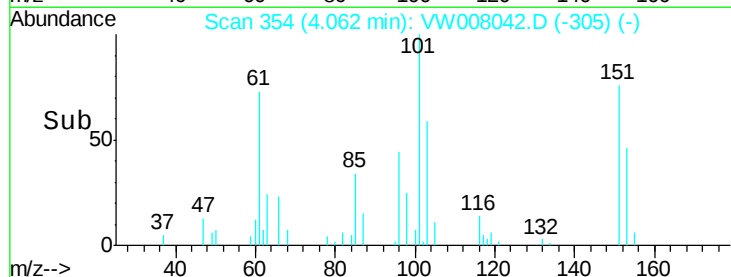
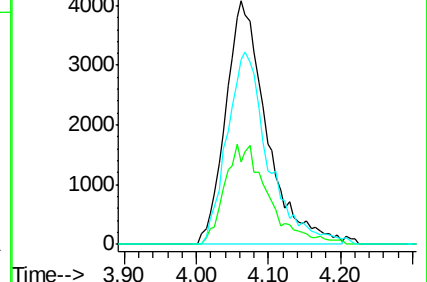
151 80.2 65.3 97.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.914 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

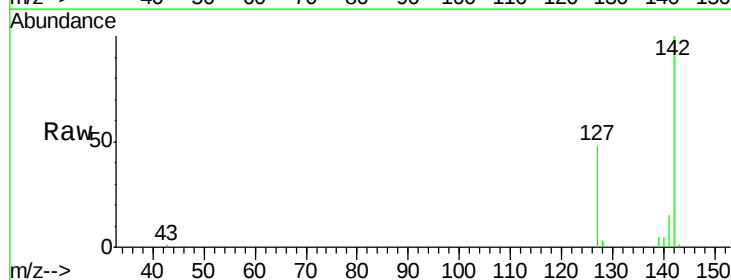
Tgt Ion:142 Resp: 25138

Ion Ratio Lower Upper

142 100

127 47.7 39.4 59.0

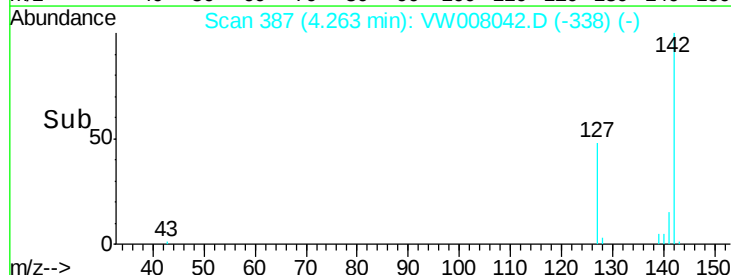
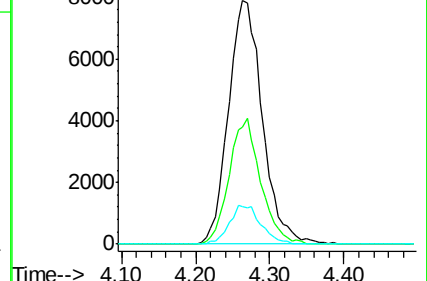
141 14.7 12.1 18.1

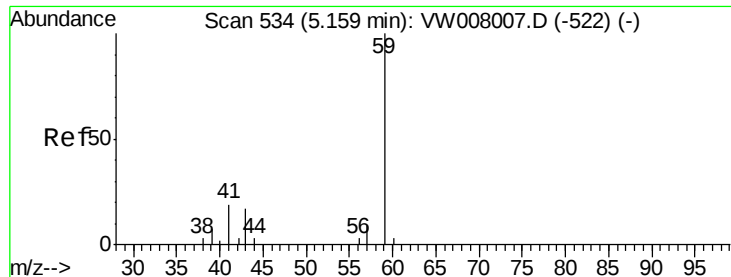


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



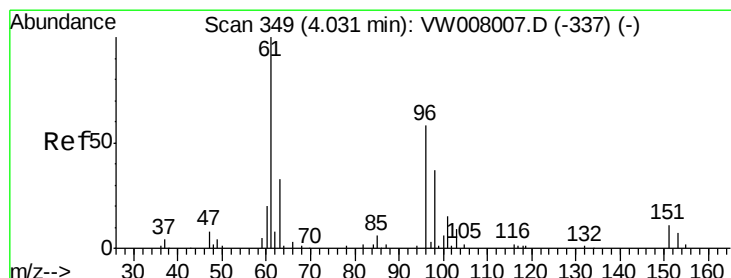
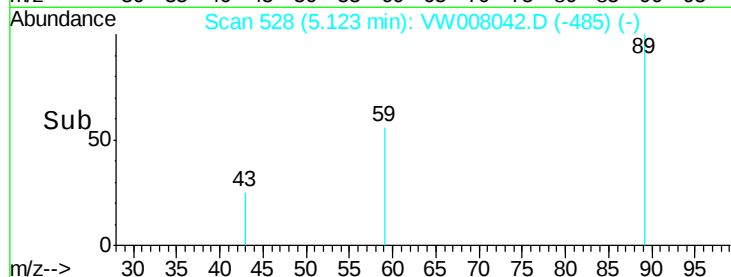
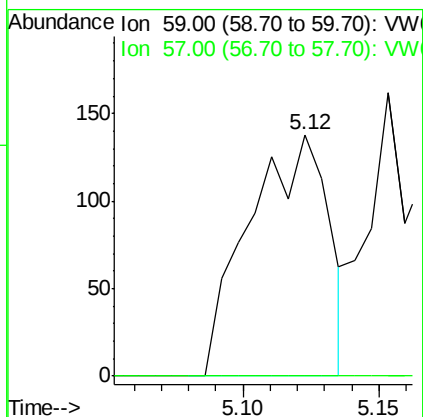
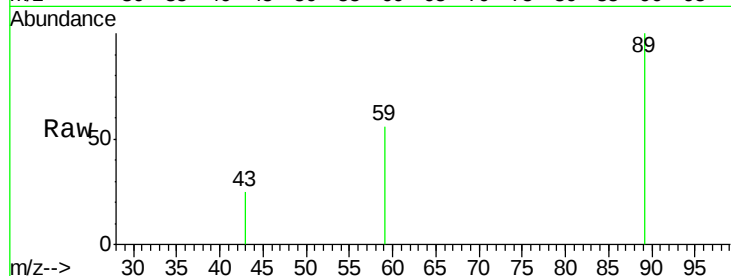


#11

Tert butyl alcohol
 Concen: 5.209 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.04 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

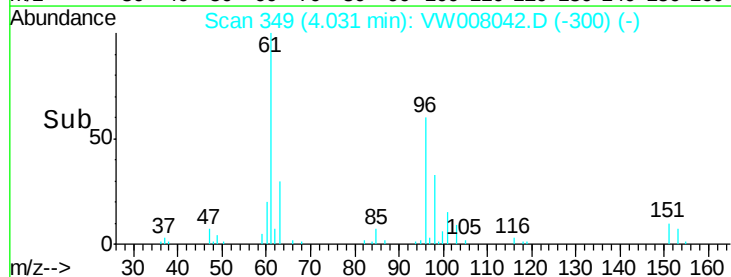
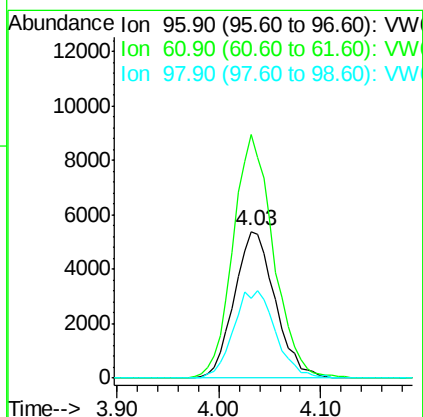
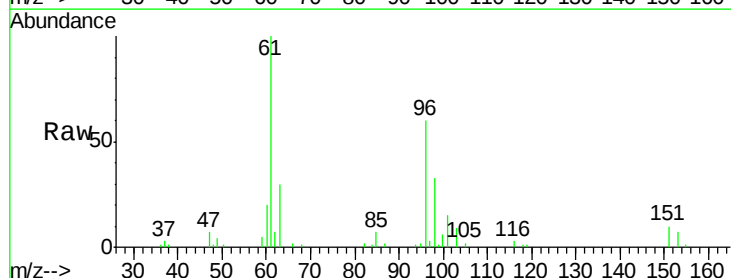
Tot Ion: 59 Resp: 280
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

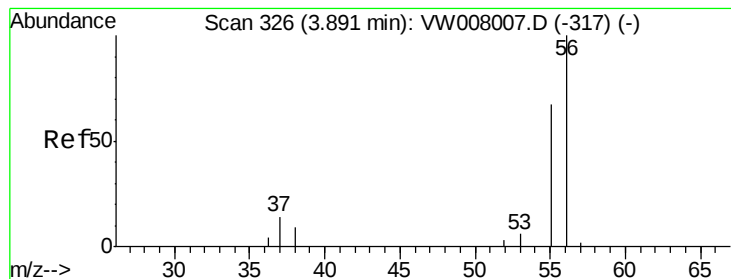


#12

1,1-Dichloroethene
 Concen: 20.000 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion: 96 Resp: 15021
 Ion Ratio Lower Upper
 96 100
 61 165.7 137.3 205.9
 98 54.4 50.5 75.7





#13

Acrolein

Concen: 95.740 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

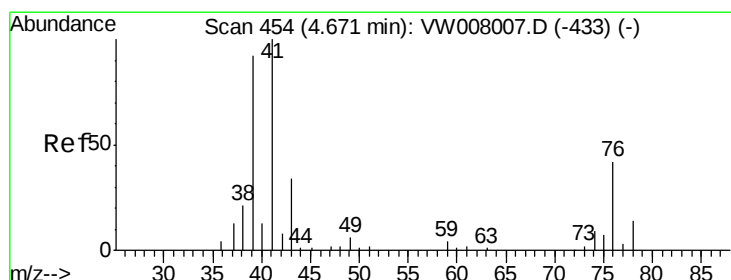
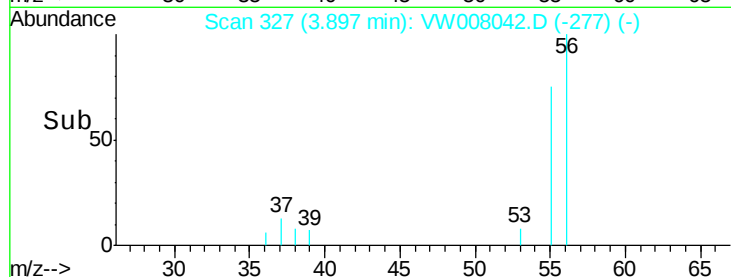
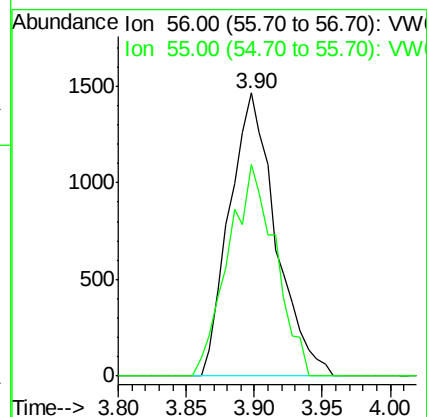
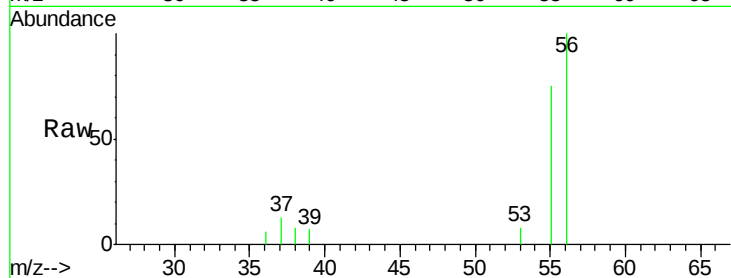
VW0104SBSD01

Tot Ion: 56 Resp: 3487

Ion Ratio Lower Upper

56 100

55 75.8 57.3 85.9



#14

Allyl chloride

Concen: 19.649 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

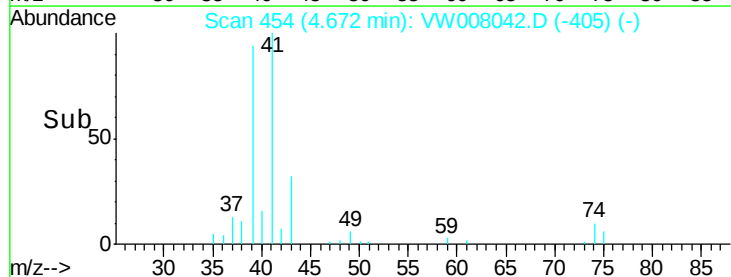
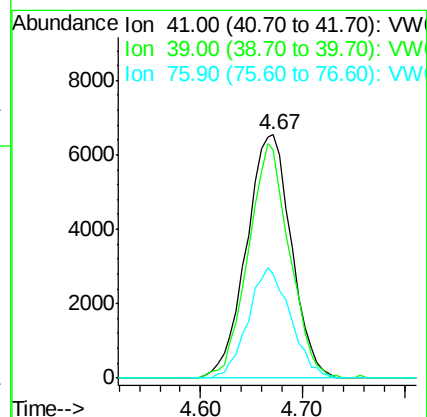
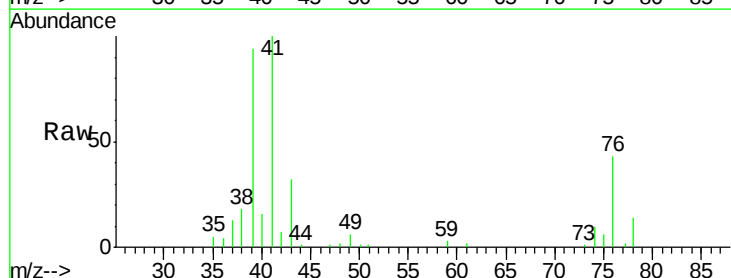
Tgt Ion: 41 Resp: 19993

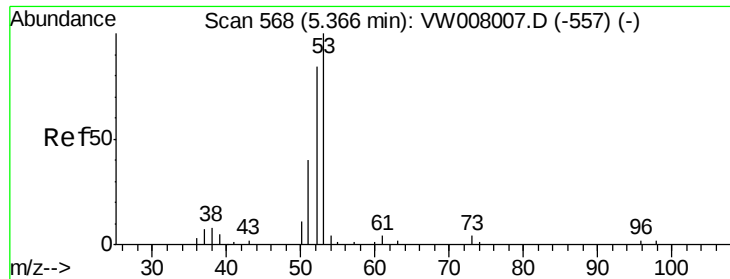
Ion Ratio Lower Upper

41 100

39 88.6 71.1 106.7

76 42.5 33.4 50.2





#15

Acrylonitrile

Concen: 102.838 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

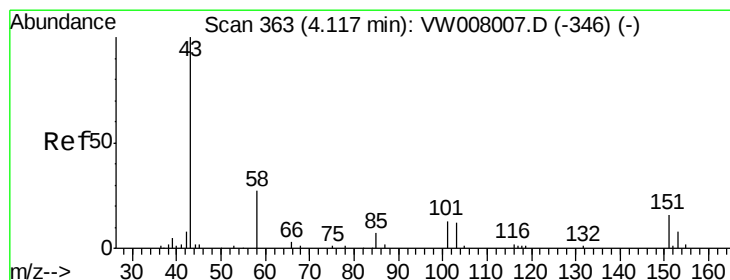
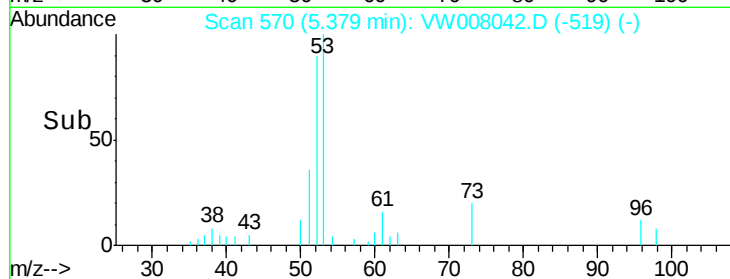
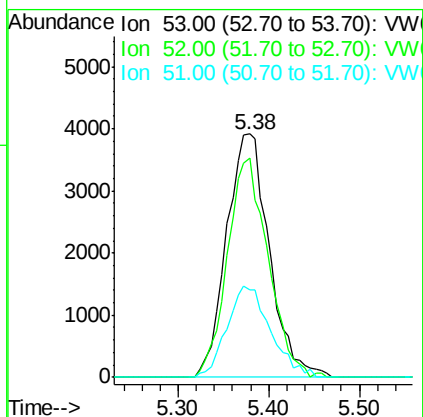
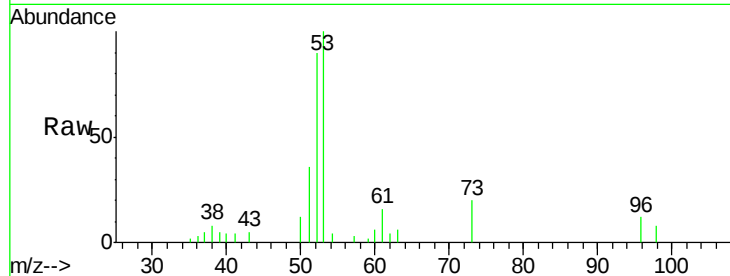
Tot Ion: 53 Resp: 12827

Ion Ratio Lower Upper

53 100

52 85.6 67.8 101.8

51 38.1 31.5 47.3



#16

Acetone

Concen: 112.992 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW008042.D

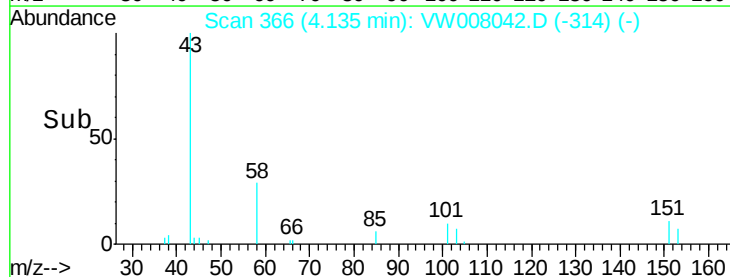
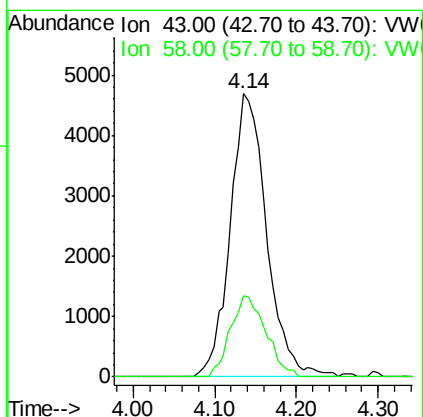
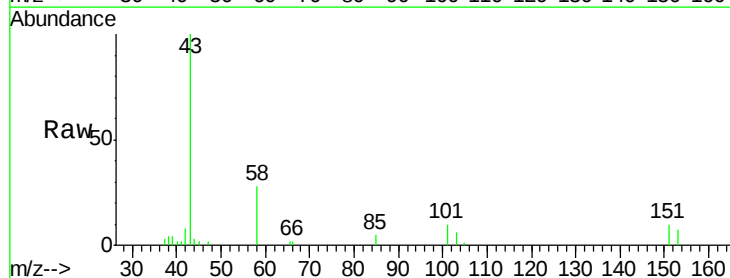
Acq: 04 Jan 2019 12:50

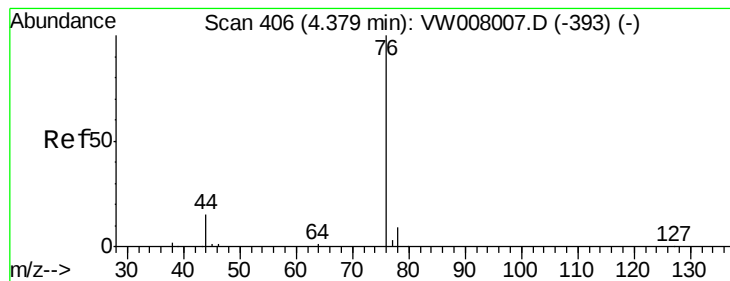
Tgt Ion: 43 Resp: 14472

Ion Ratio Lower Upper

43 100

58 28.5 21.7 32.5





#17

Carbon Disulfide

Concen: 18.884 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

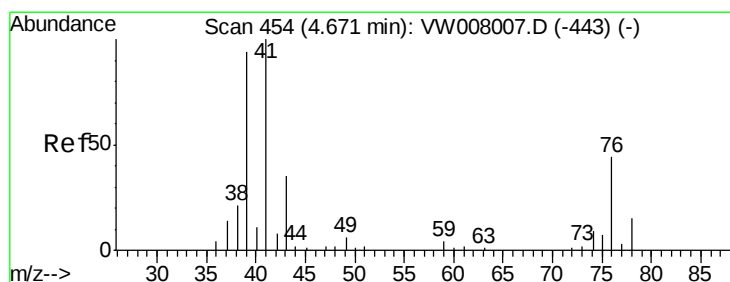
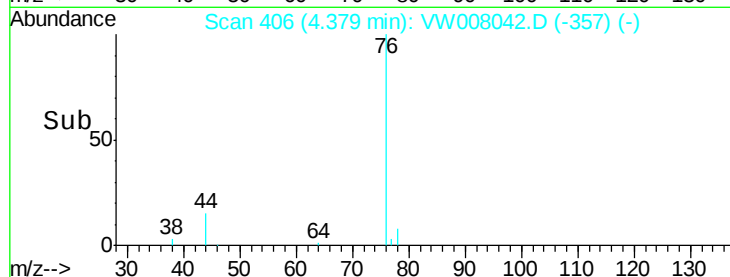
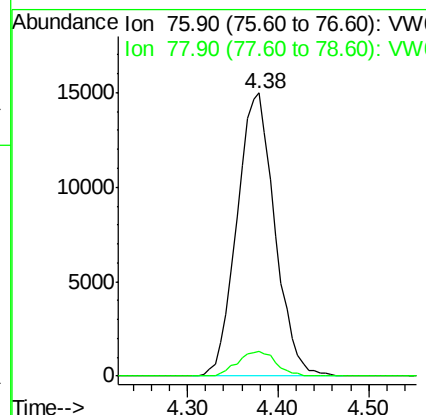
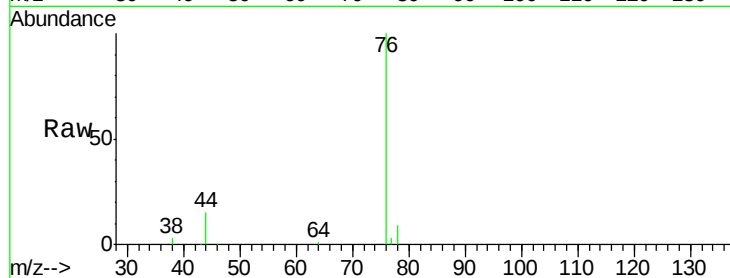
VW0104SBSD01

Tot Ion: 76 Resp: 43323

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



#18

Methyl Acetate

Concen: 20.382 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008042.D

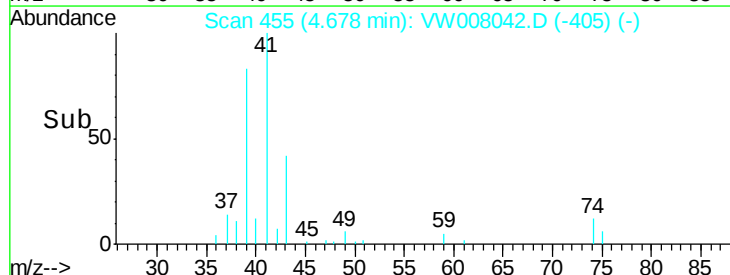
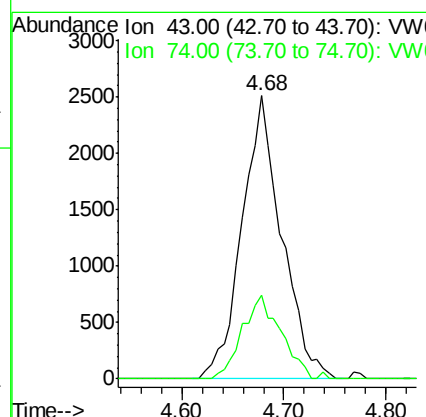
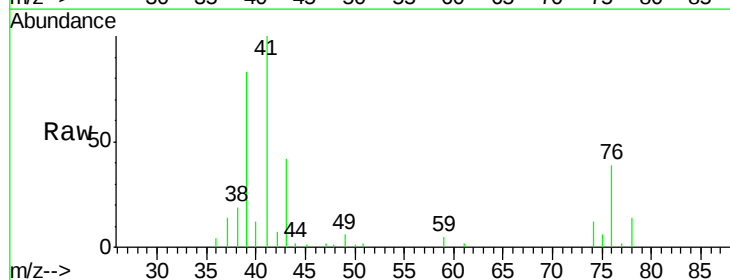
Acq: 04 Jan 2019 12:50

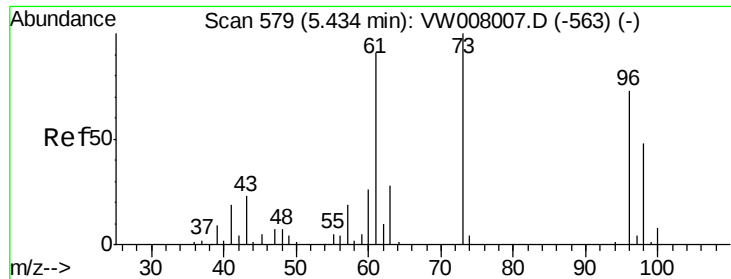
Tgt Ion: 43 Resp: 6770

Ion Ratio Lower Upper

43 100

74 28.6 21.4 32.2

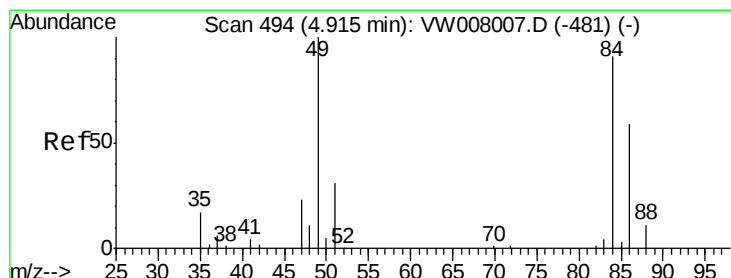
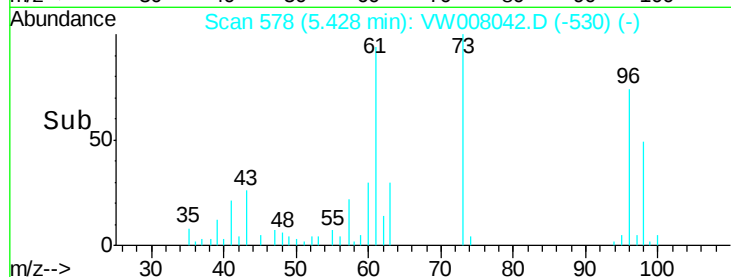
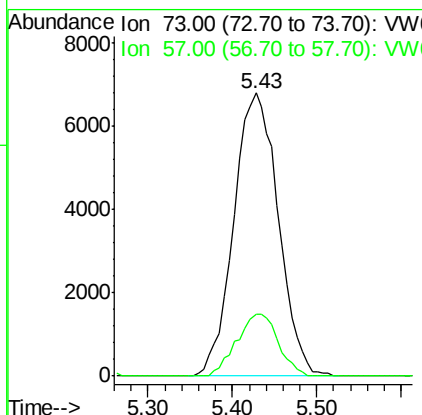
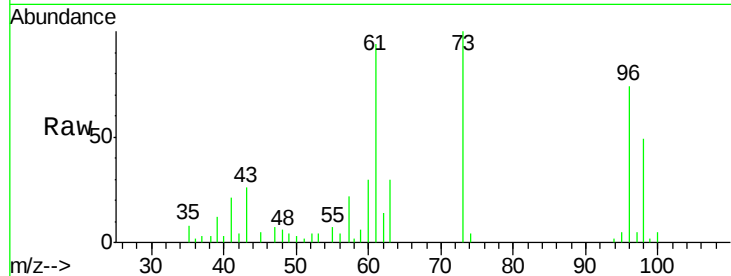




#19
Methvl tert-butvl Ether
Concen: 20.629 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

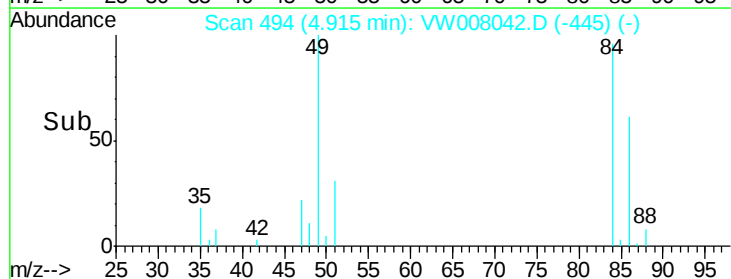
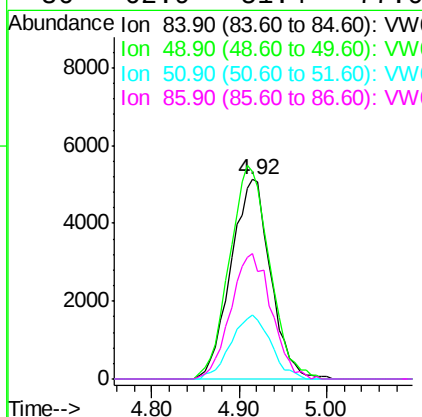
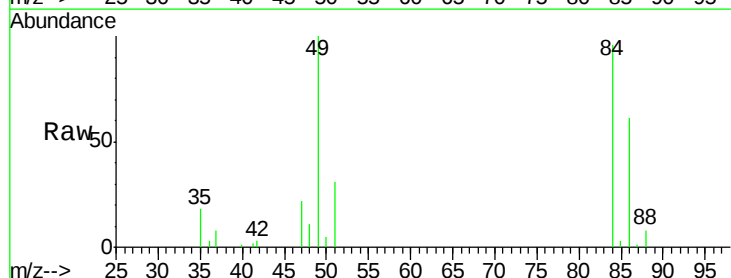
Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

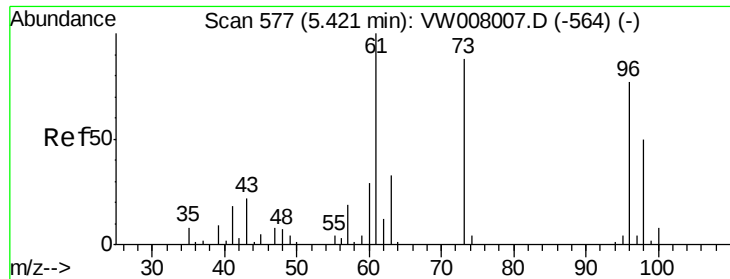
Tot Ion: 73 Resp: 24383
Ion Ratio Lower Upper
73 100
57 21.8 15.4 23.0



#20
Methylene Chloride
Concen: 18.966 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion: 84 Resp: 16146
Ion Ratio Lower Upper
84 100
49 103.8 87.7 131.5
51 32.4 27.3 40.9
86 62.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.546 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

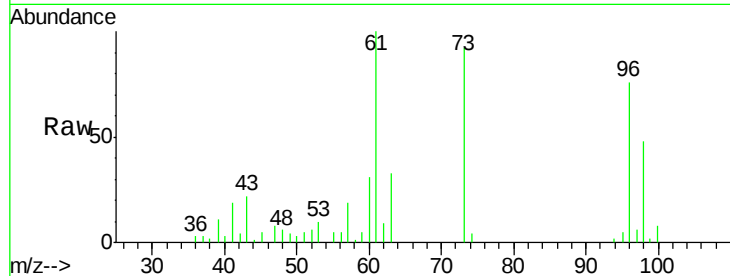
Tot Ion: 96 Resp: 15972

Ion Ratio Lower Upper

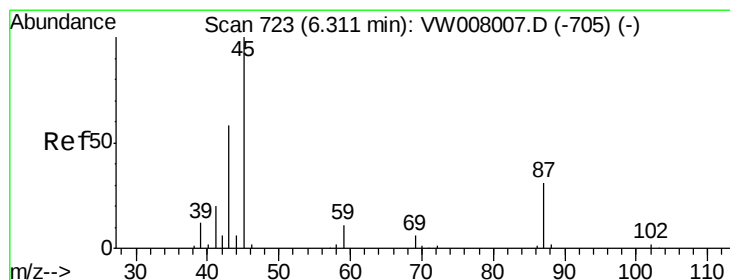
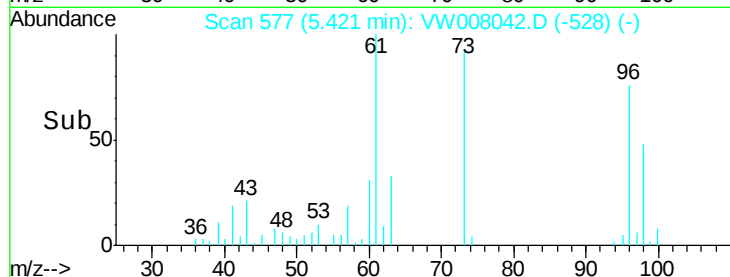
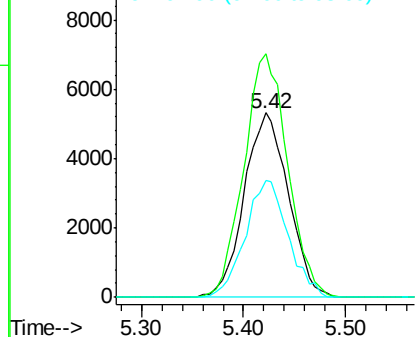
96 100

61 132.1 104.2 156.2

98 63.2 51.8 77.6



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



#22

Diisopropyl ether

Concen: 20.685 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Tgt Ion: 45 Resp: 37777

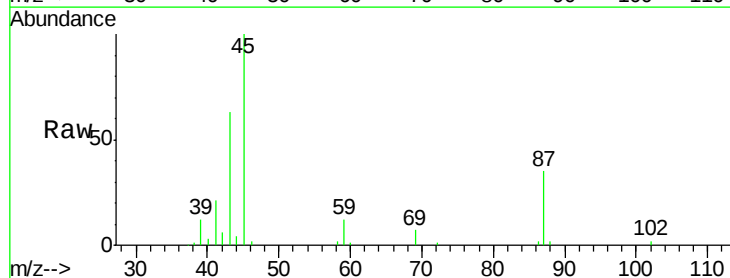
Ion Ratio Lower Upper

45 100

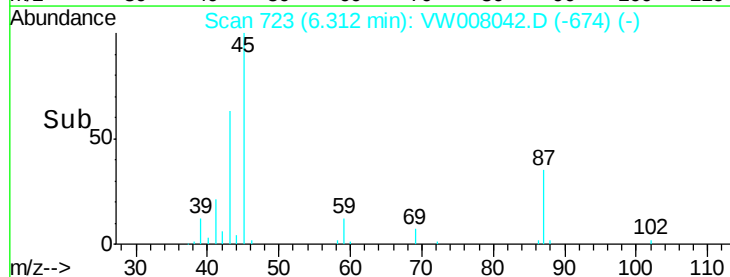
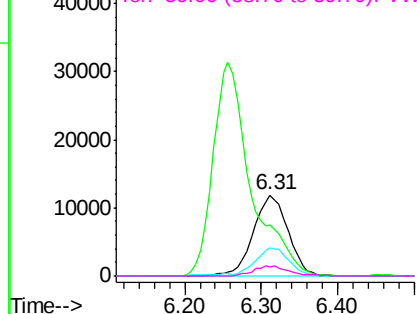
43 62.0 48.1 72.1

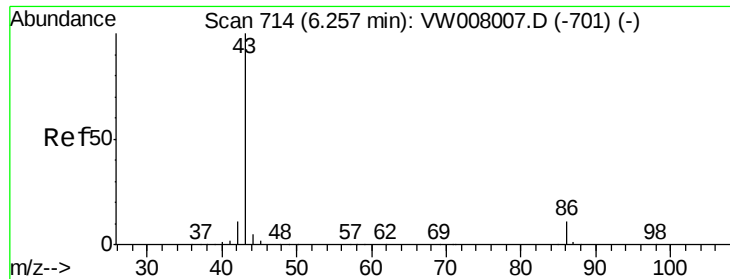
87 35.4 25.8 38.8

59 11.5 8.7 13.1



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: 105.253 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

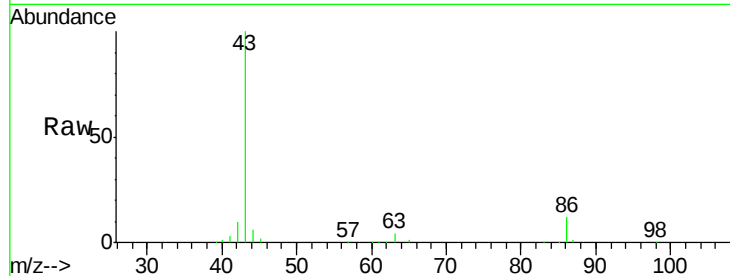
VW0104SBSD01

Tot Ion: 43 Resp: 107550

Ion Ratio Lower Upper

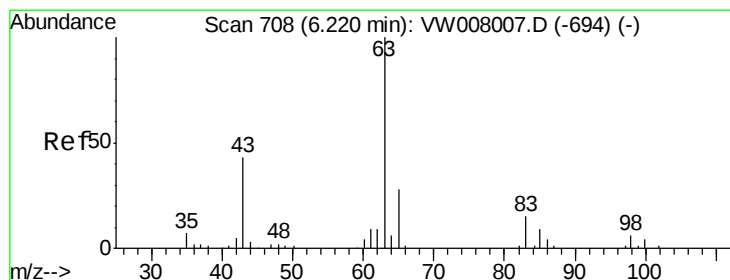
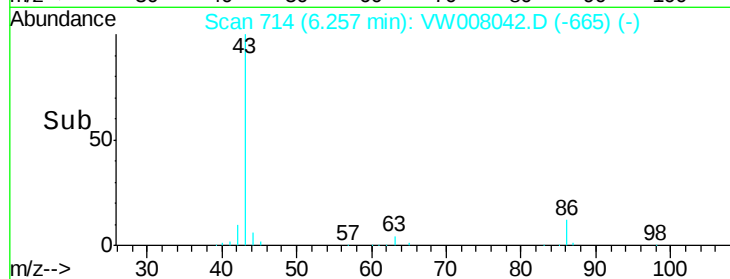
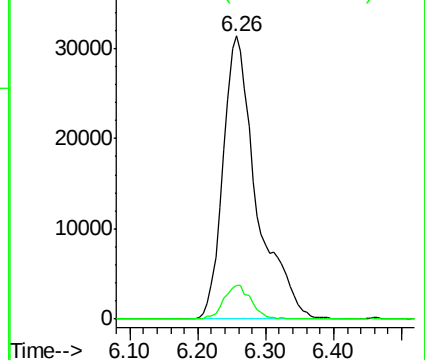
43 100

86 12.0 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.587 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

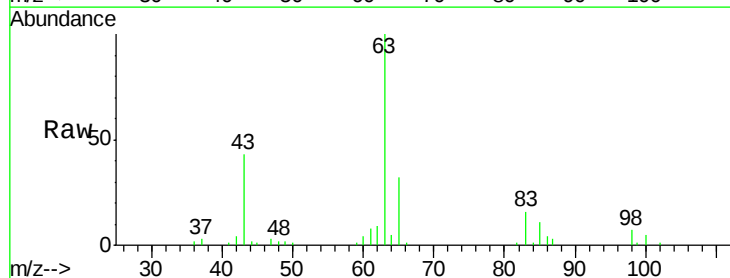
Tgt Ion: 63 Resp: 26579

Ion Ratio Lower Upper

63 100

98 7.4 3.2 9.6

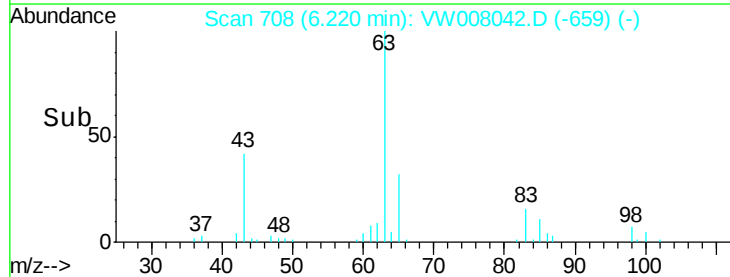
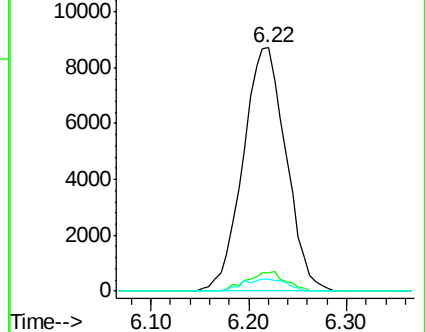
100 4.8 2.1 6.2

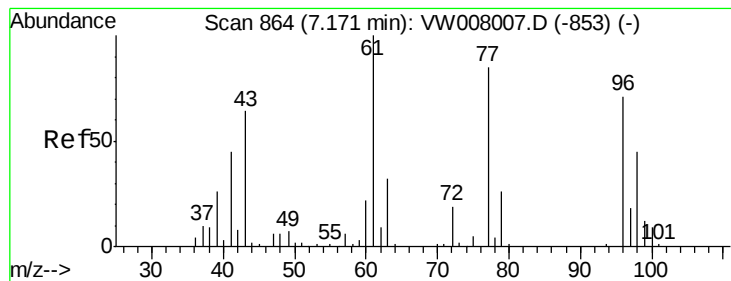


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 112.528 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

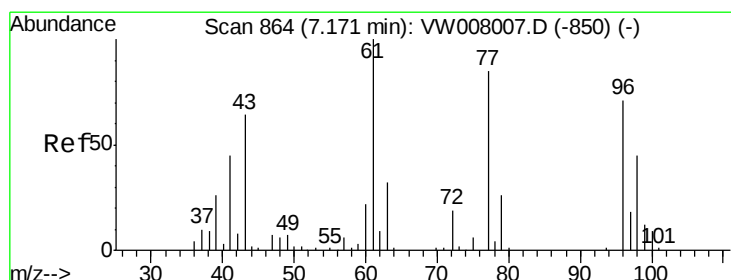
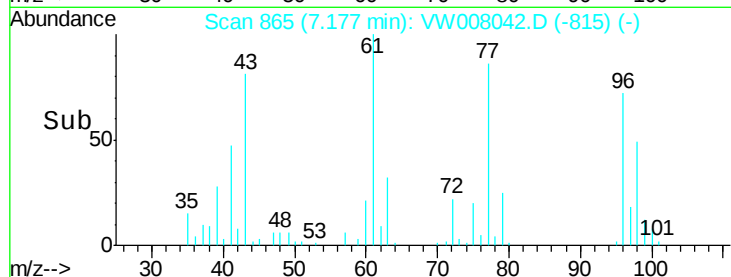
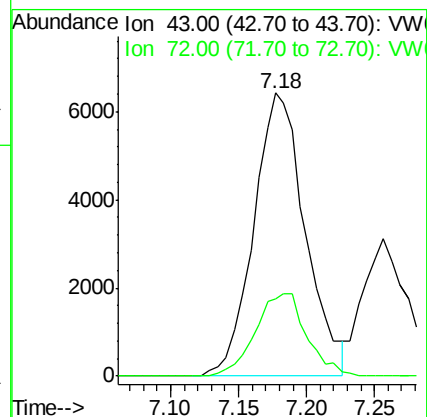
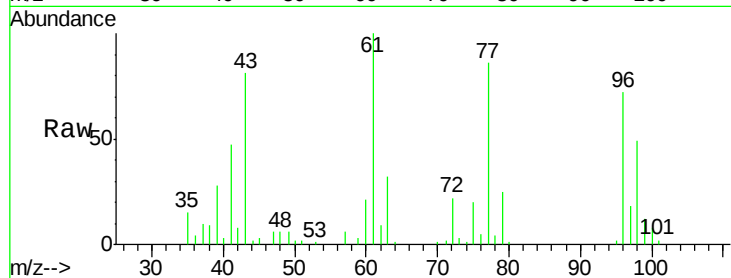
VW0104SBSD01

Tot Ion: 43 Resp: 16981

Ion Ratio Lower Upper

43 100

72 27.4 23.8 35.8



#26

2,2-Dichloropropane

Concen: 20.246 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008042.D

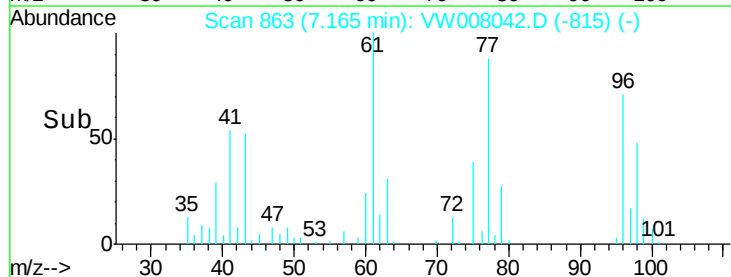
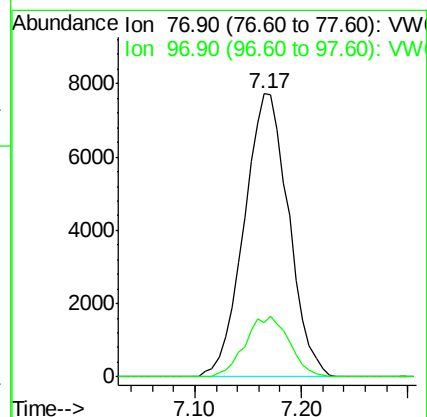
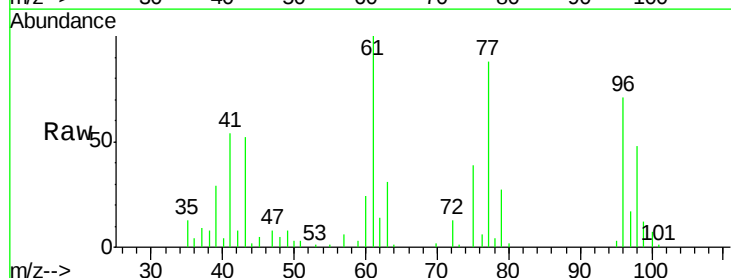
Acq: 04 Jan 2019 12:50

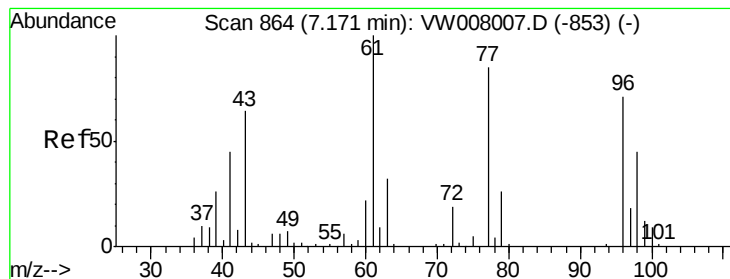
Tgt Ion: 77 Resp: 22635

Ion Ratio Lower Upper

77 100

97 21.2 11.0 33.0



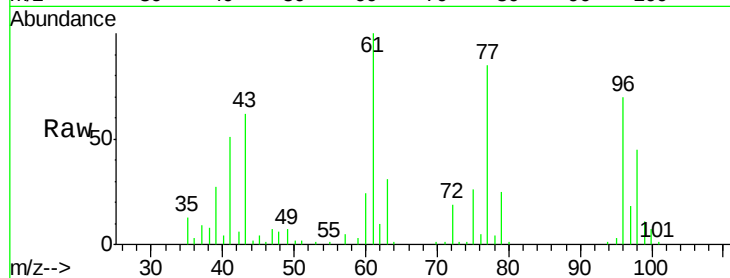


#27

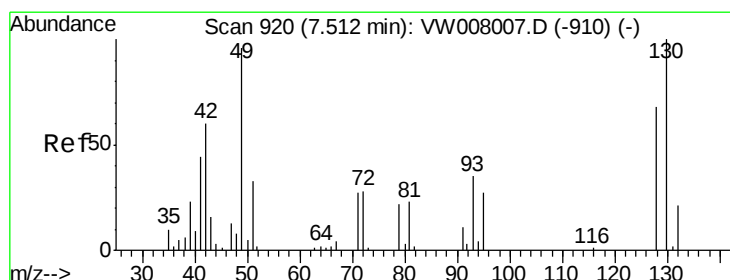
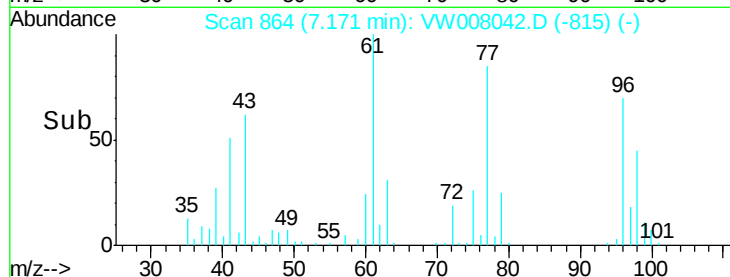
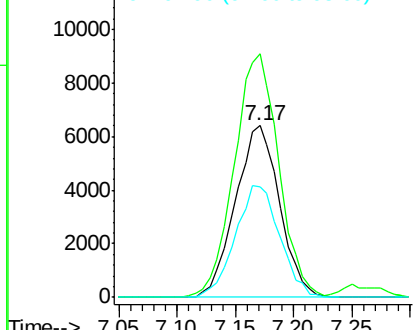
cis-1,2-Dichloroethene
 Concen: 19.401 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

Tot Ion: 96 Resp: 16887
 Ion Ratio Lower Upper
 96 100
 61 142.4 0.0 286.4
 98 65.0 0.0 130.6



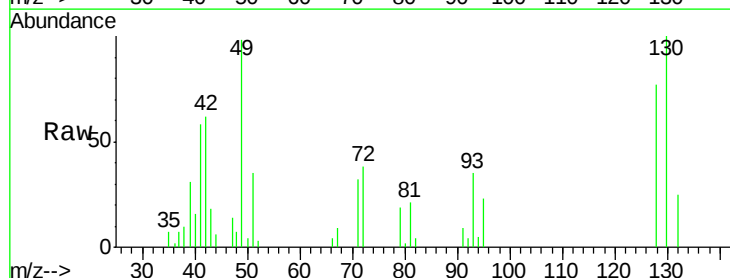
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



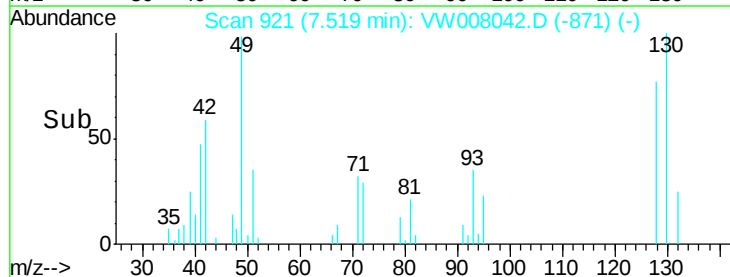
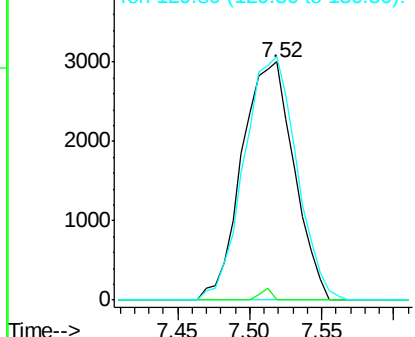
#28

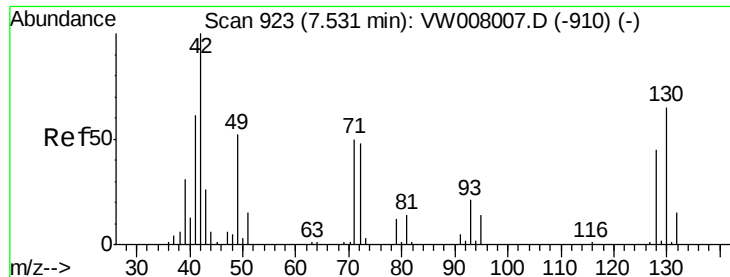
Bromochloromethane
 Concen: 17.322 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion: 49 Resp: 7555
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 0.8#
 130 102.7 78.5 117.7



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: 104.486 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

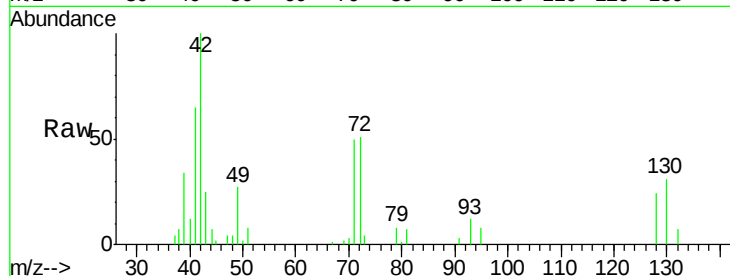
Tot Ion: 42 Resp: 9794

Ion Ratio Lower Upper

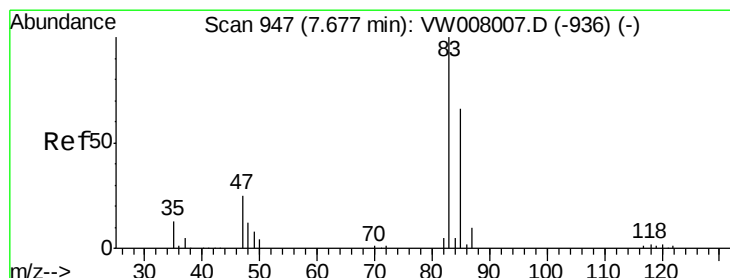
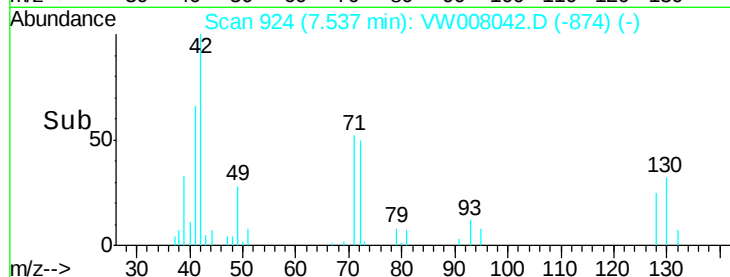
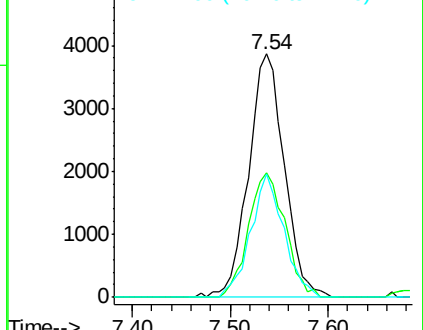
42 100

72 52.3 39.0 58.6

71 46.9 39.1 58.7



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: 19.371 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008042.D

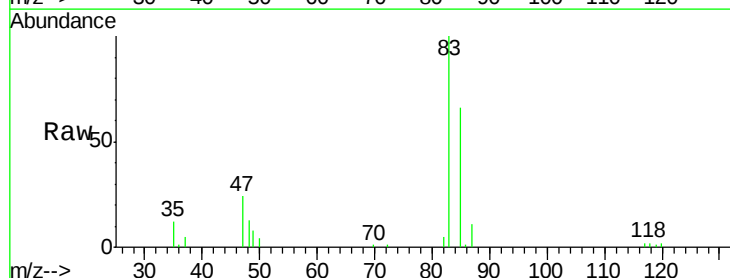
Acq: 04 Jan 2019 12:50

Tgt Ion: 83 Resp: 29460

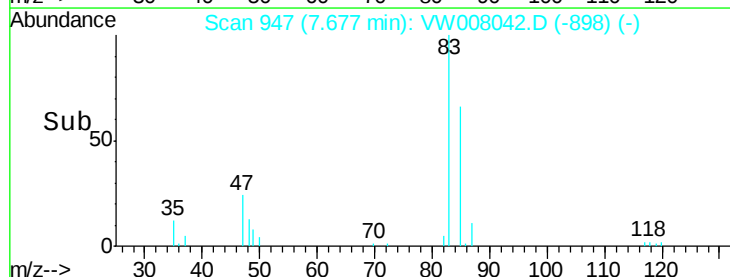
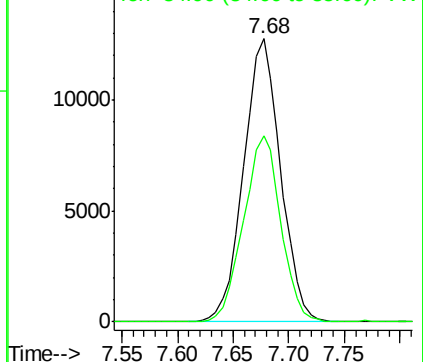
Ion Ratio Lower Upper

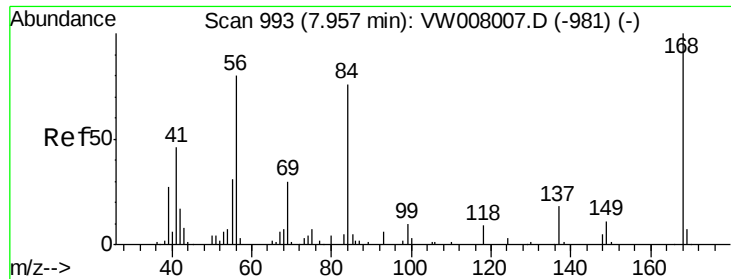
83 100

85 65.6 52.7 79.1



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

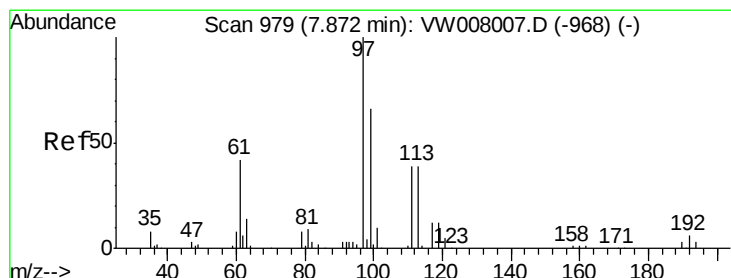
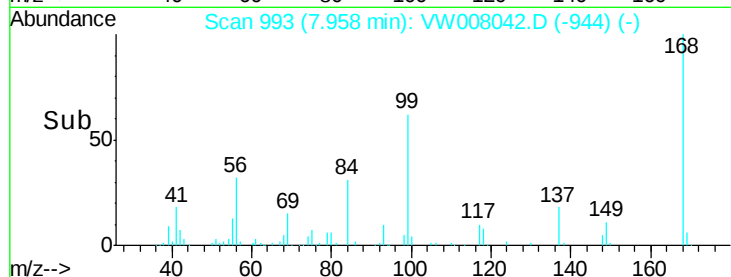
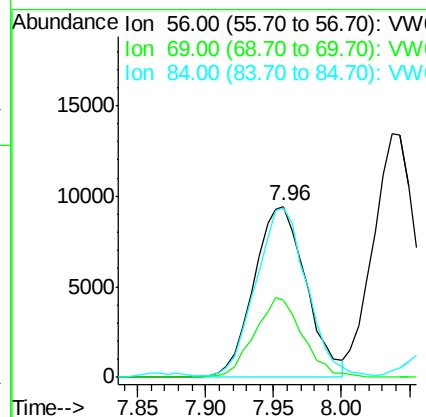
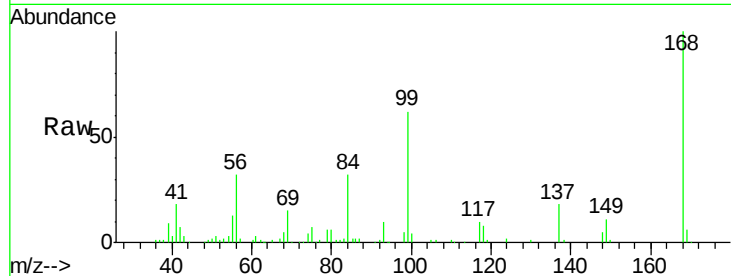




#31
Cyclohexane
Concen: 19.988 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

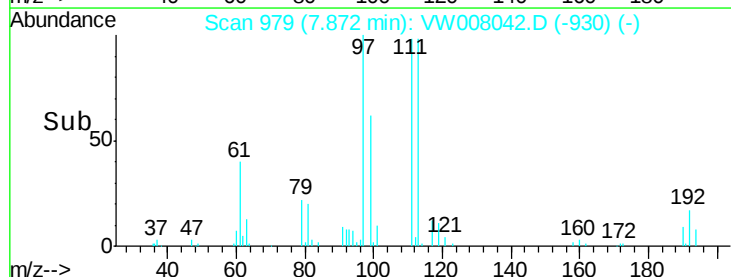
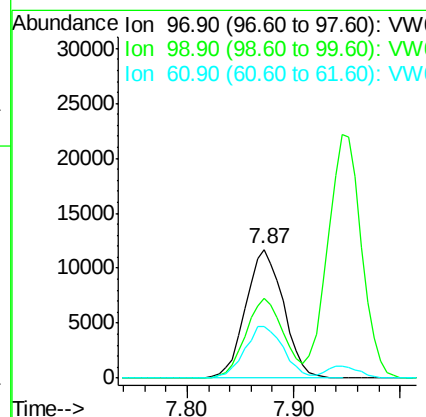
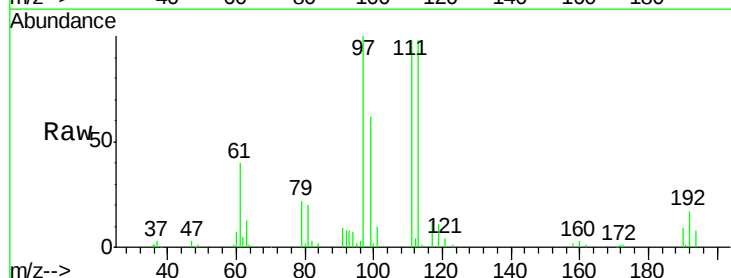
Instrument :
MSVOA_W
ClientSampled :
VW0104SBSD01

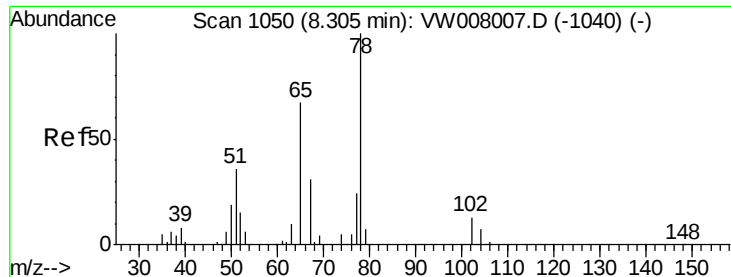
Tot Ion: 56 Resp: 25280
Ion Ratio Lower Upper
56 100
69 45.4 29.8 44.6#
84 97.9 75.2 112.8



#32
1,1,1-Trichloroethane
Concen: 20.099 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion: 97 Resp: 29248
Ion Ratio Lower Upper
97 100
99 62.4 51.5 77.3
61 41.2 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 53.938 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

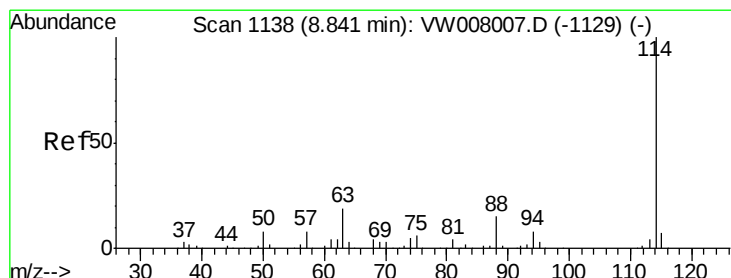
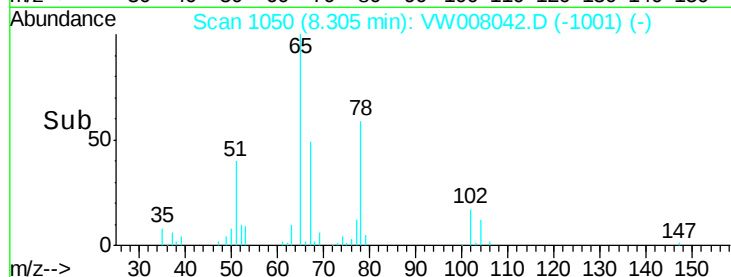
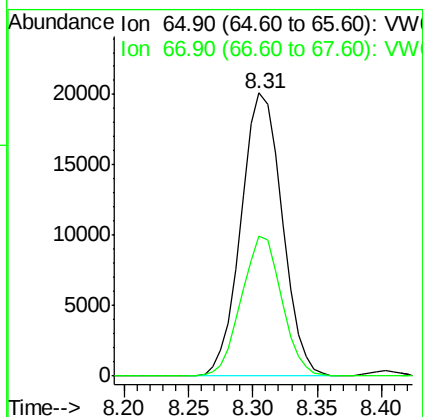
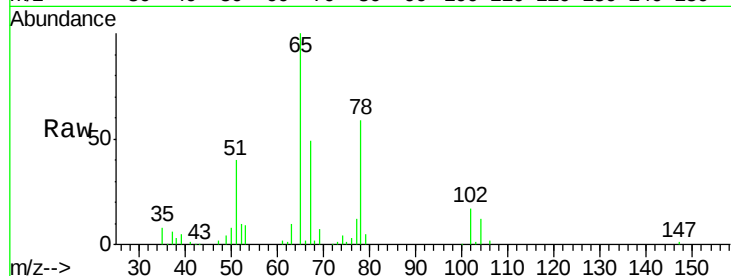
VW0104SBSD01

Tot Ion: 65 Resp: 44629

Ion Ratio Lower Upper

65 100

67 48.4 0.0 94.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

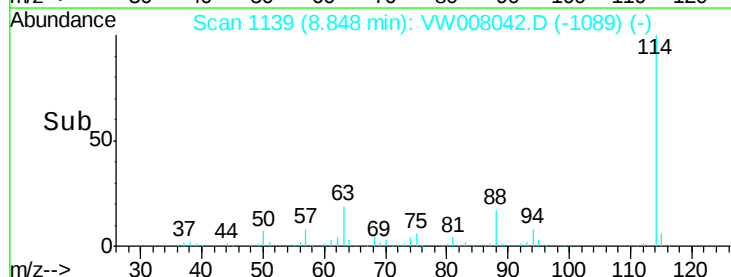
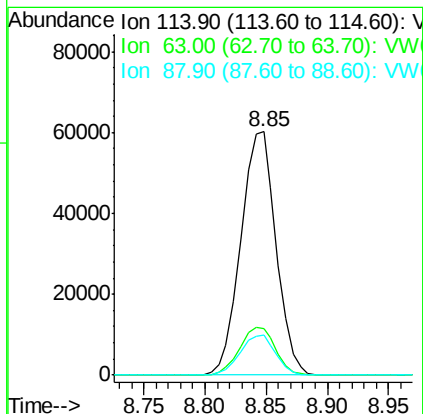
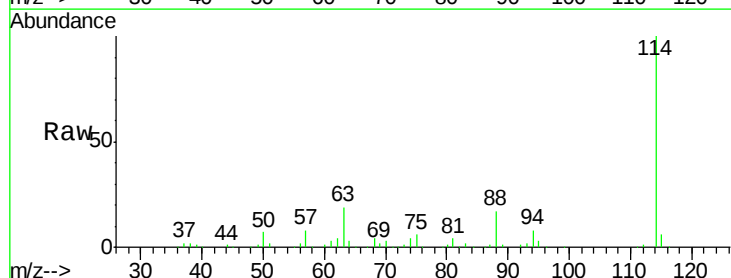
Tgt Ion: 114 Resp: 120364

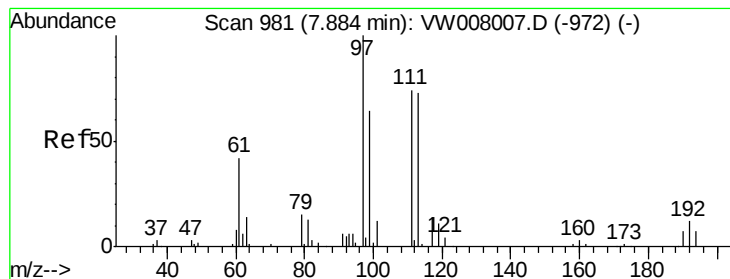
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.8

88 16.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.571 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

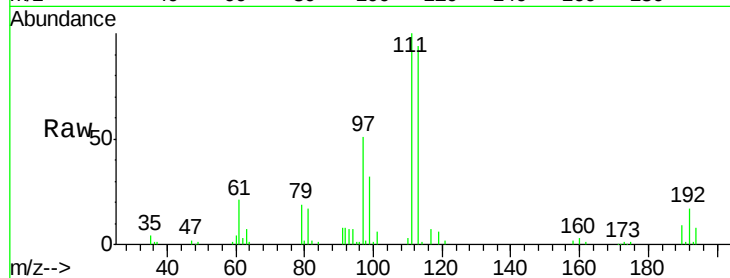
Tot Ion:113 Resp: 38372

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

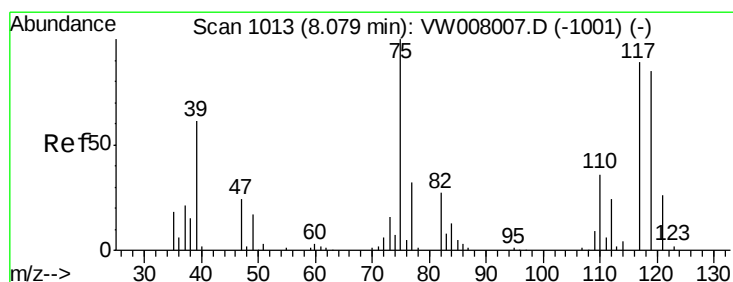
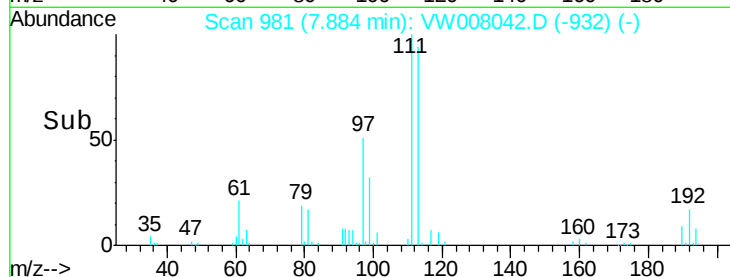
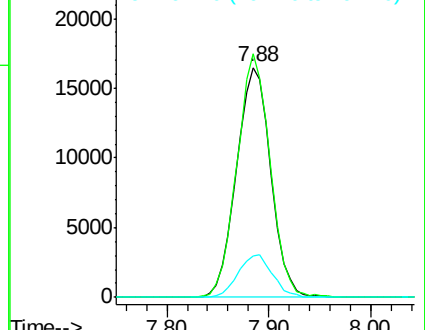
192 18.5 14.8 22.2



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: 19.253 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

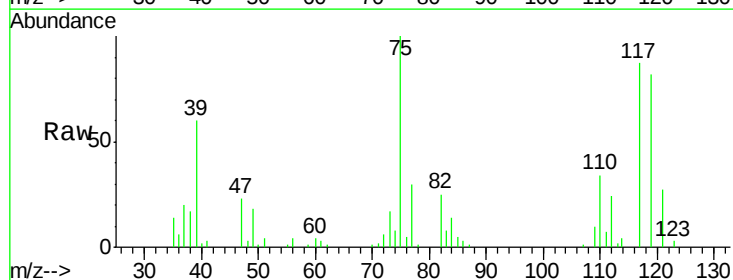
Tgt Ion: 75 Resp: 22860

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.3

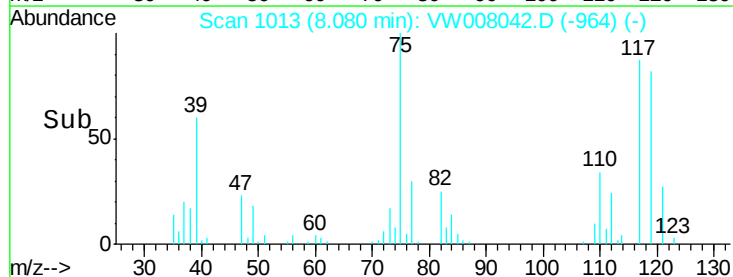
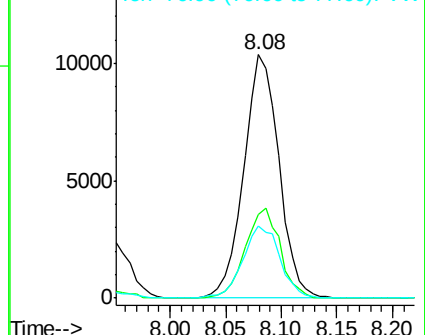
77 31.3 25.3 37.9

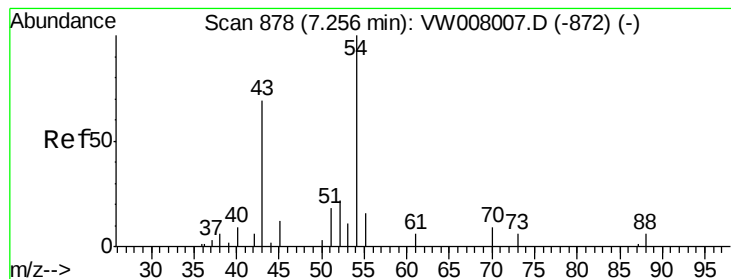


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.906 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleID :

VW0104SBSD01

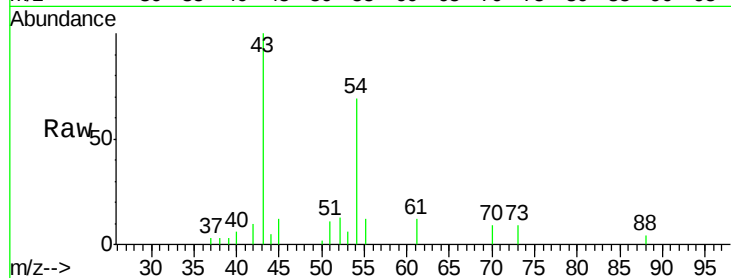
Tot Ion: 43 Resp: 7456

Ion Ratio Lower Upper

43 100

61 14.6 11.4 17.2

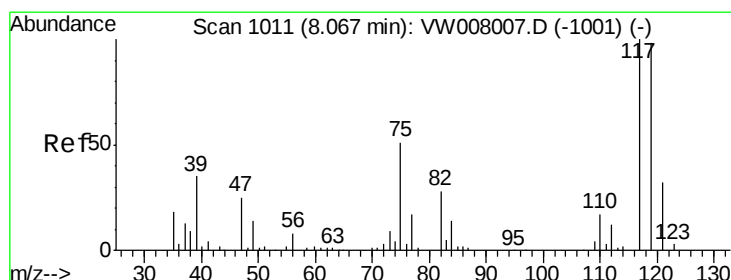
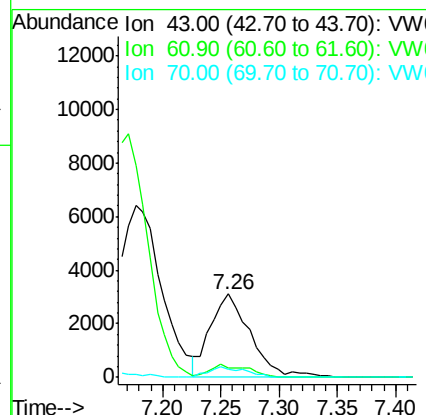
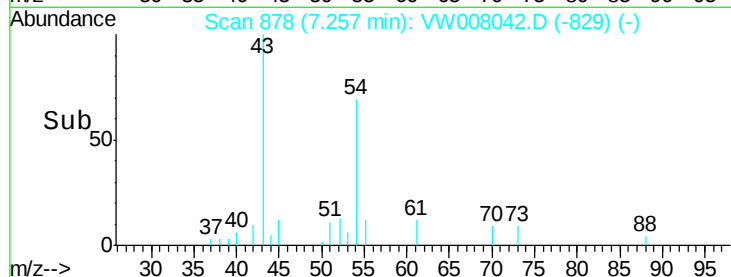
70 11.2 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 19.522 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

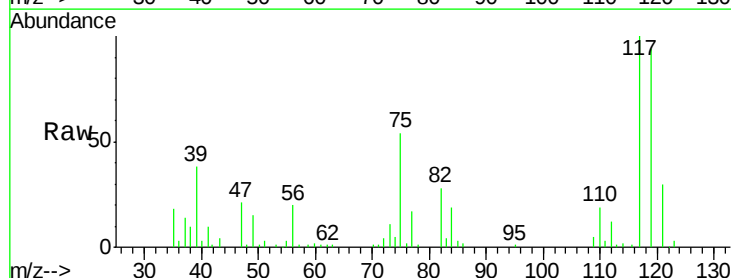
Tgt Ion: 117 Resp: 27779

Ion Ratio Lower Upper

117 100

119 93.7 78.7 118.1

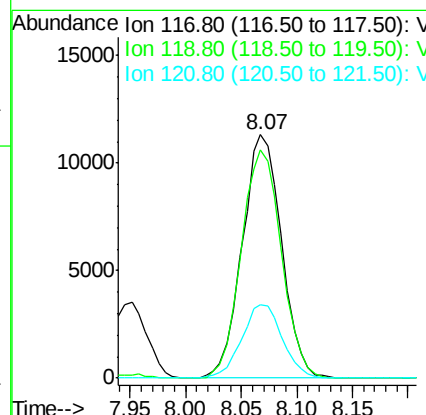
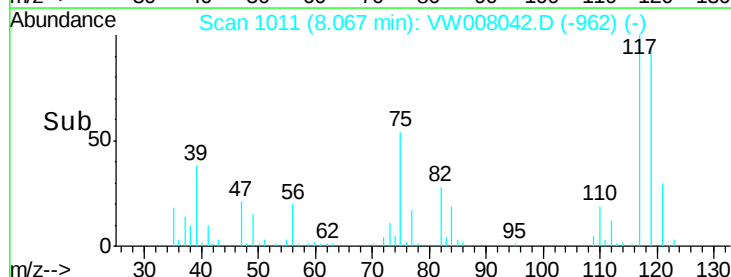
121 30.4 25.8 38.8

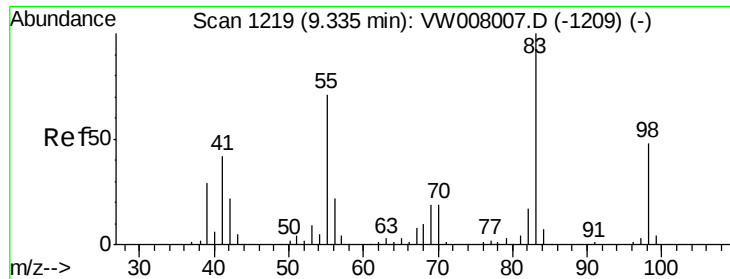


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

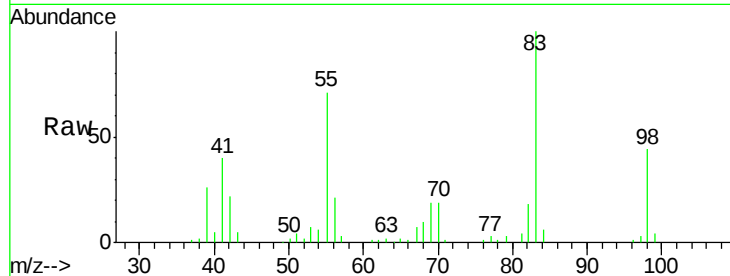




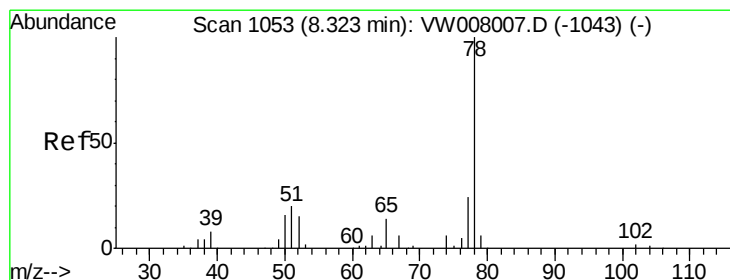
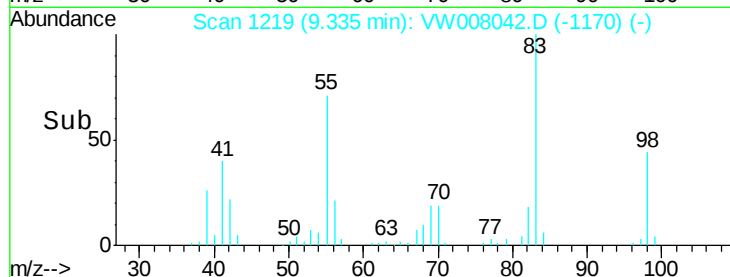
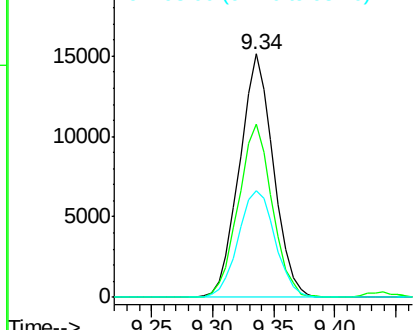
#39
Methvlcvclohexane
Concen: 19.683 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

Tot Ion: 83 Resp: 29131
Ion Ratio Lower Upper
83 100
55 71.0 56.8 85.2
98 44.0 38.6 58.0

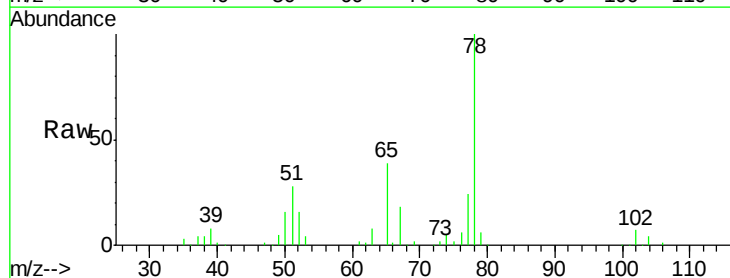


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

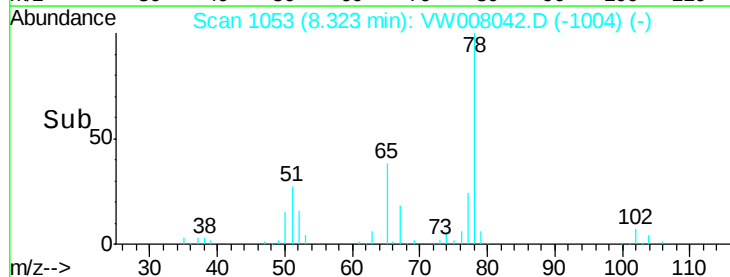
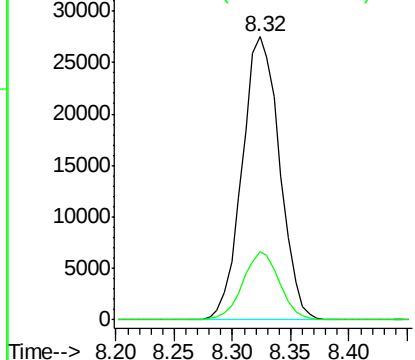


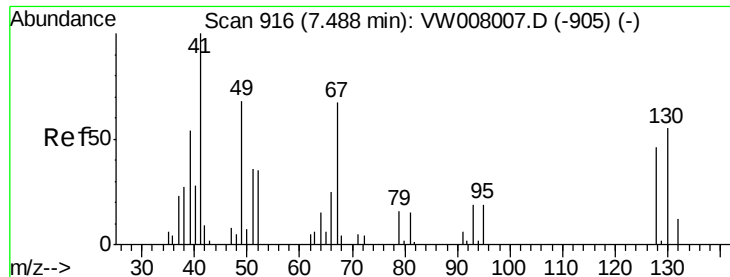
#40
Benzene
Concen: 19.666 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion: 78 Resp: 61601
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6



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

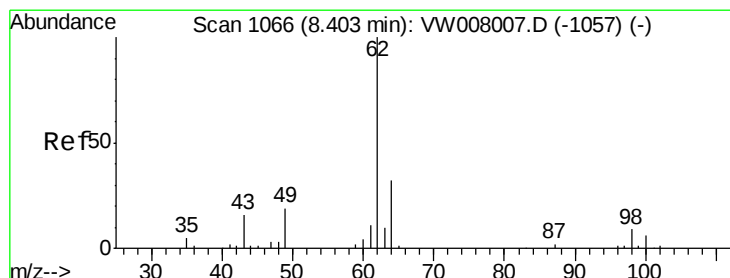
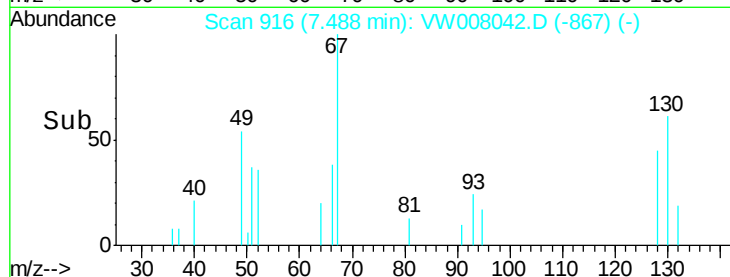
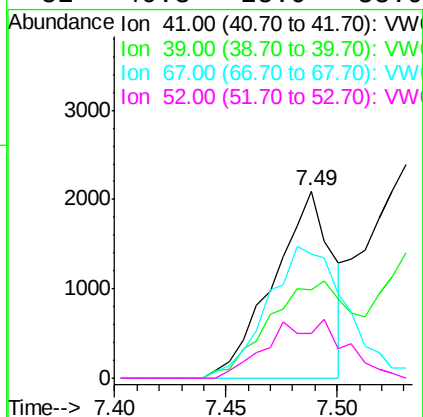
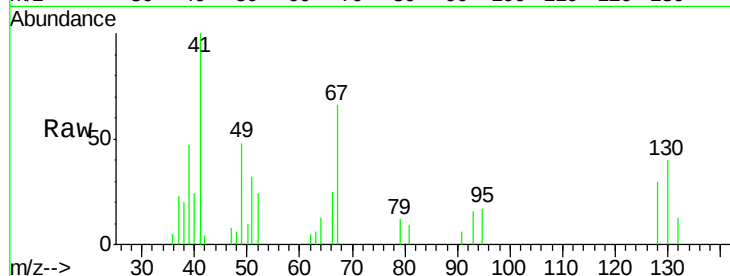




#41
Methacrylonitrile
Concen: 18.279 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

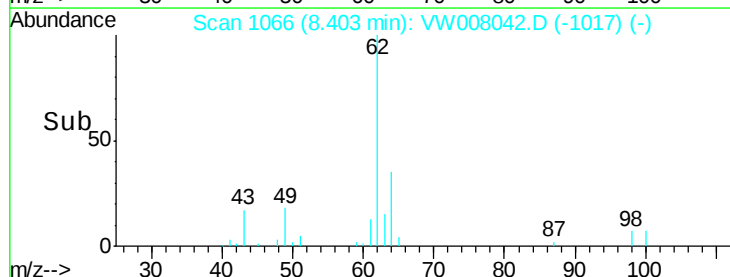
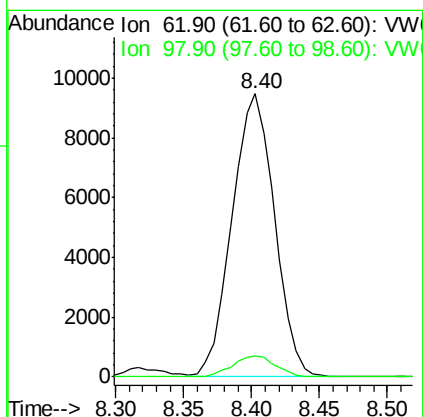
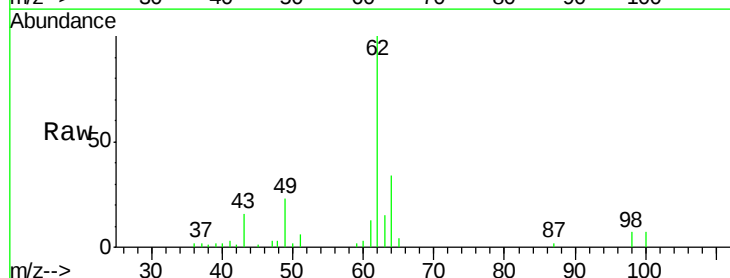
Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

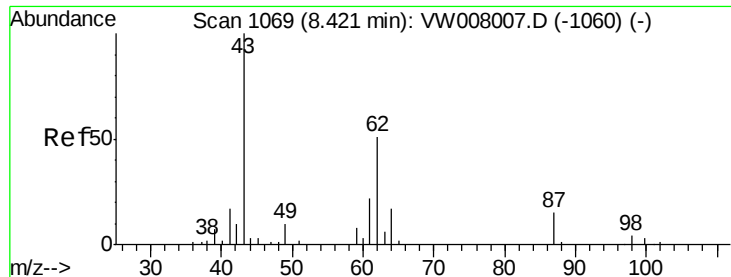
Tot Ion: 41 Resp: 3833
Ion Ratio Lower Upper
41 100
39 74.7 48.6 72.8#
67 94.6 55.6 83.4#
52 40.3 25.9 38.9#



#42
1,2-Dichloroethane
Concen: 19.814 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion: 62 Resp: 20679
Ion Ratio Lower Upper
62 100
98 7.6 0.0 15.6





#43

Isopropyl Acetate

Concen: 22.154 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

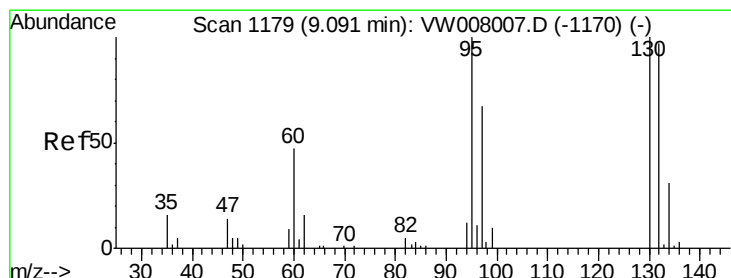
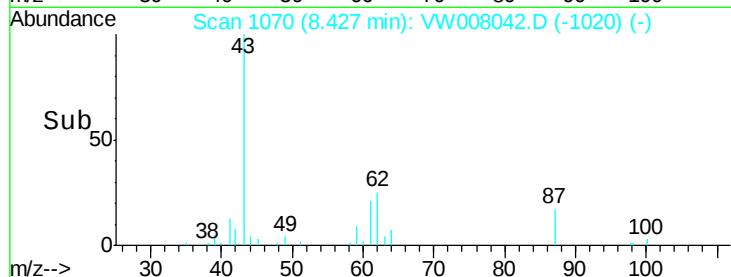
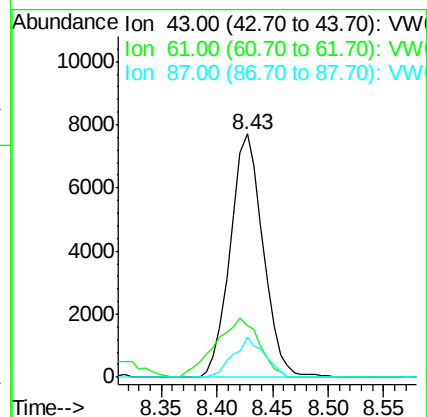
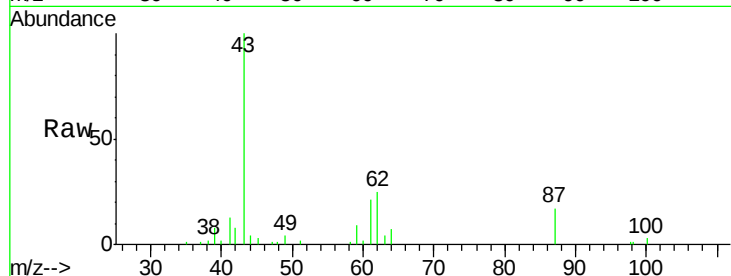
Tot Ion: 43 Resp: 15787

Ion Ratio Lower Upper

43 100

61 32.3 26.4 39.6

87 15.3 12.0 18.0



#44

Trichloroethene

Concen: 19.884 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008042.D

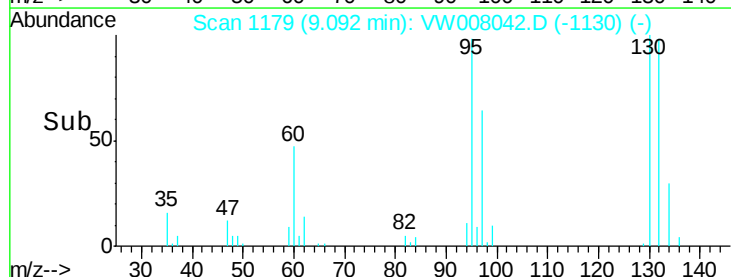
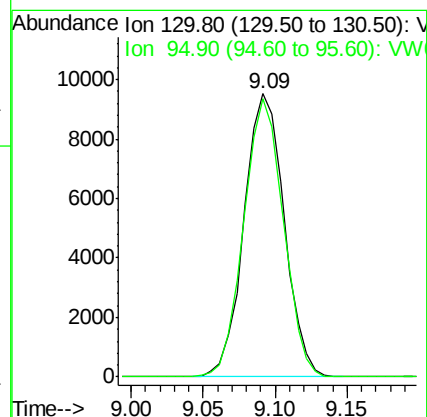
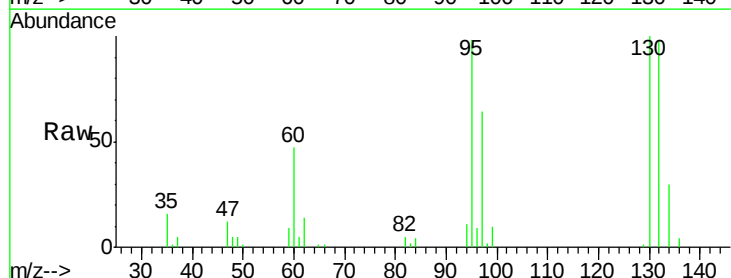
Acq: 04 Jan 2019 12:50

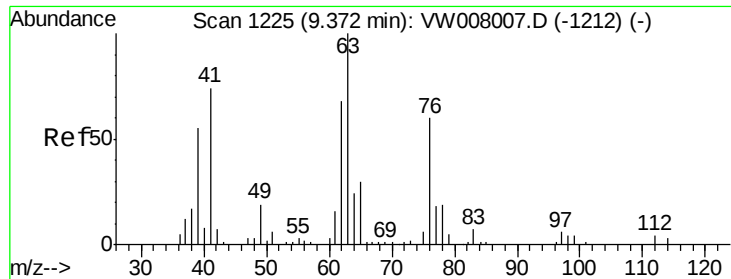
Tgt Ion: 130 Resp: 18379

Ion Ratio Lower Upper

130 100

95 98.2 0.0 200.0

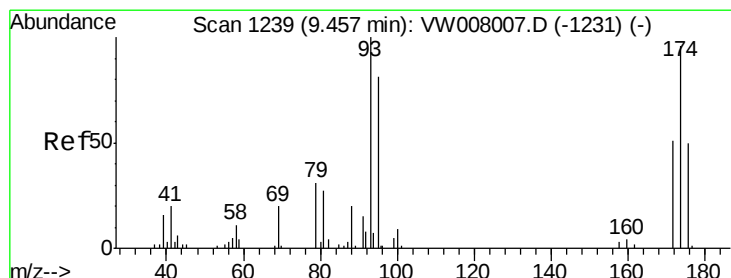
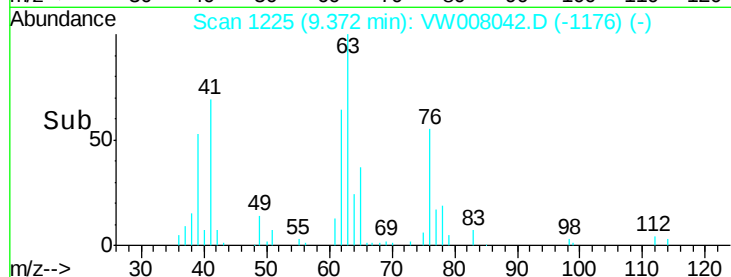
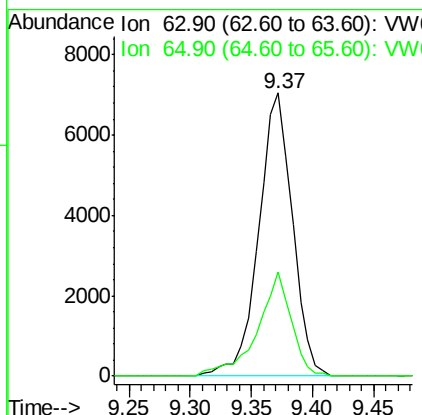
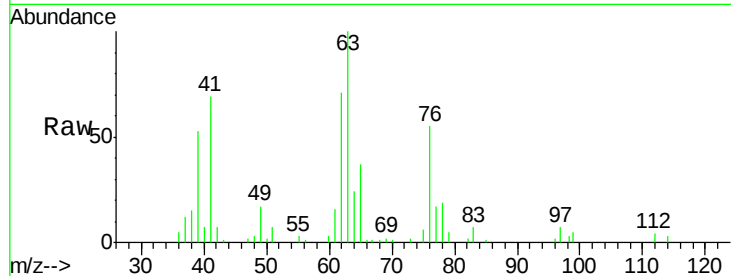




#45
 1,2-Dichloropropane
 Concen: 20.006 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

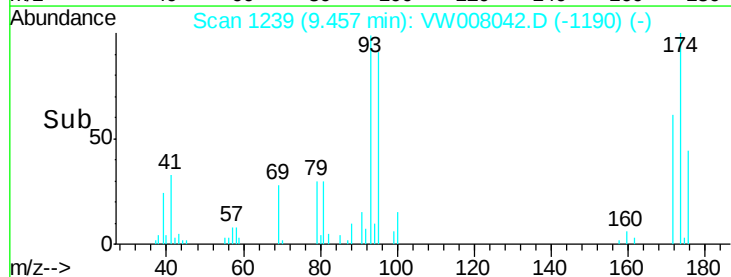
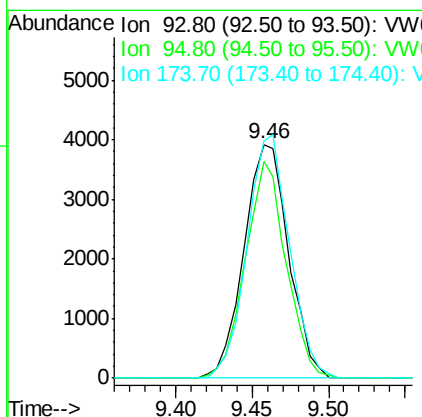
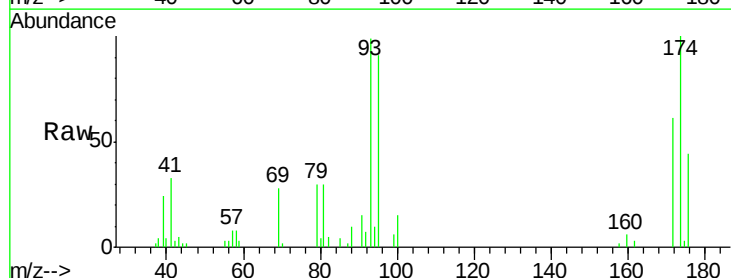
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

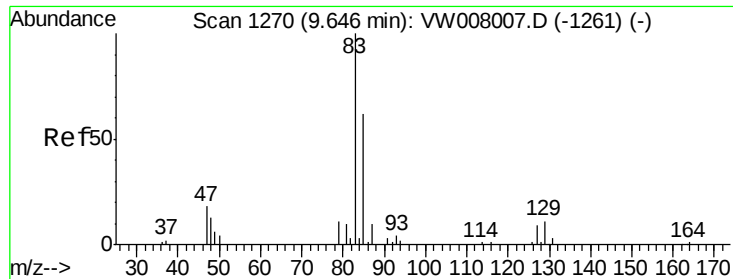
Tot Ion: 63 Resp: 13564
 Ion Ratio Lower Upper
 63 100
 65 36.7 24.2 36.4#



#46
 Dibromomethane
 Concen: 20.078 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion: 93 Resp: 7959
 Ion Ratio Lower Upper
 93 100
 95 84.9 63.9 95.9
 174 99.0 79.0 118.6





#47

Bromodichloromethane

Concen: 19.730 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

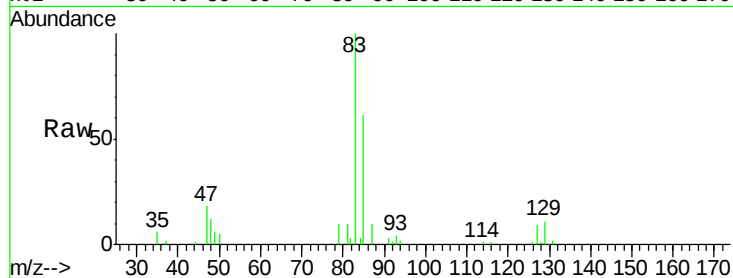
Tot Ion: 83 Resp: 21906

Ion Ratio Lower Upper

83 100

85 61.3 49.5 74.3

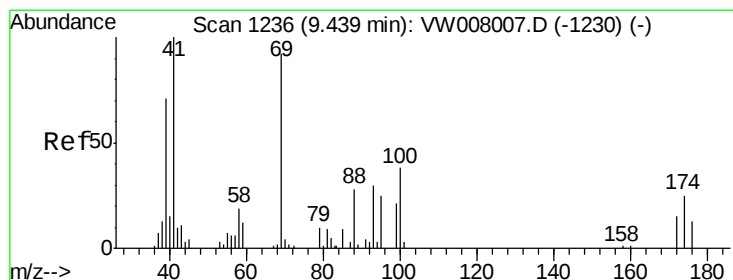
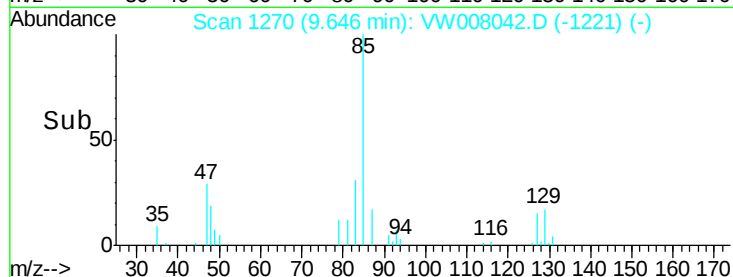
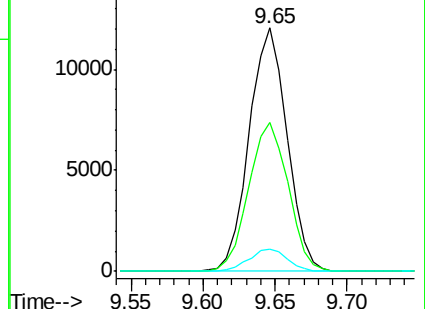
127 9.2 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.232 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

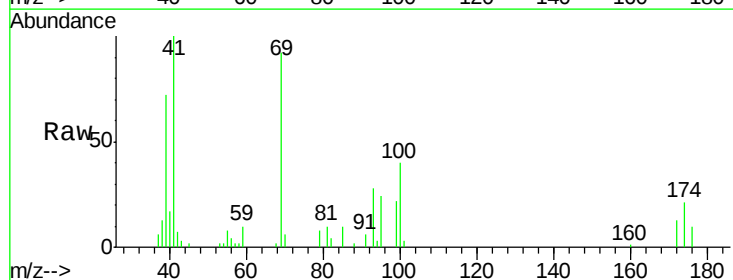
Tgt Ion: 41 Resp: 7629

Ion Ratio Lower Upper

41 100

69 88.3 72.3 108.5

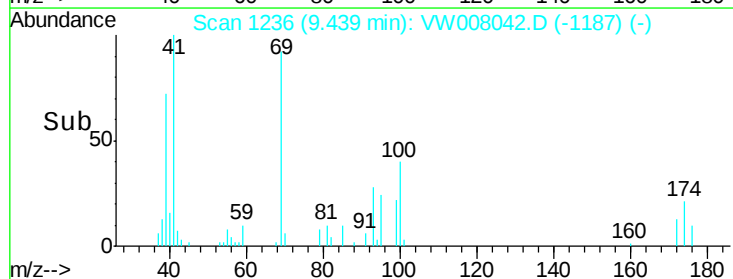
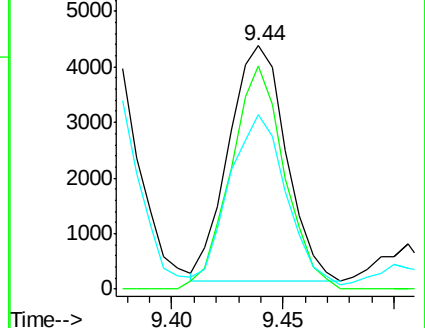
39 75.0 58.7 88.1

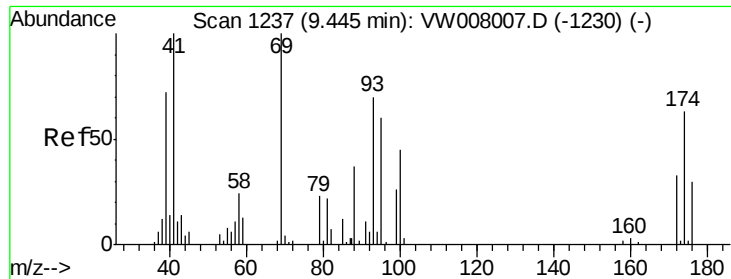


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 349.464 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

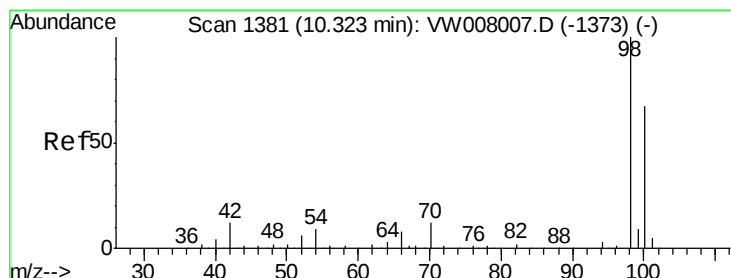
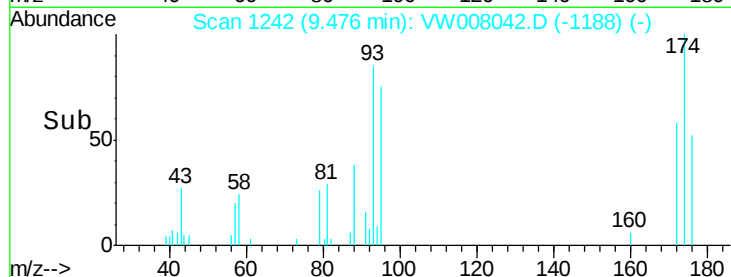
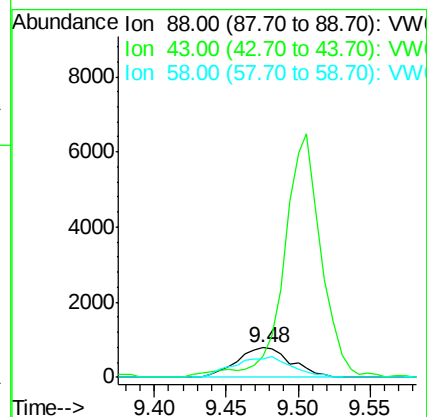
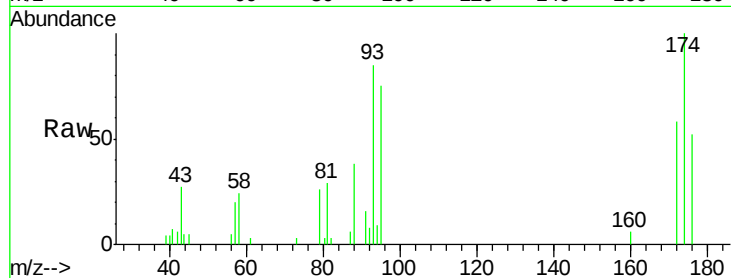
Tot Ion: 88 Resp: 2050

Ion Ratio Lower Upper

88 100

43 0.0 26.8 40.2#

58 73.6 55.8 83.6



#50

Toluene-d8

Concen: 52.356 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008042.D

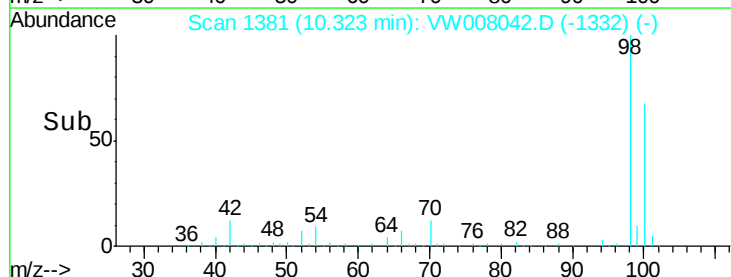
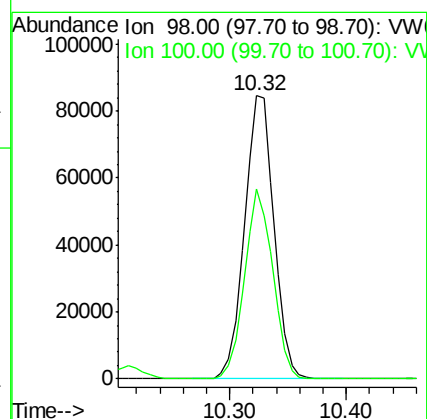
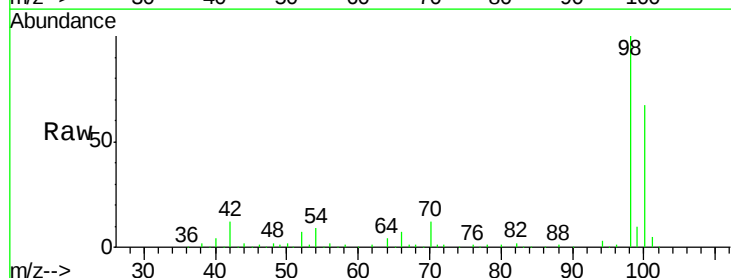
Acq: 04 Jan 2019 12:50

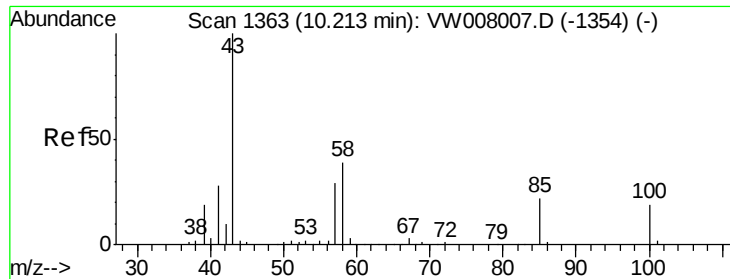
Tgt Ion: 98 Resp: 149023

Ion Ratio Lower Upper

98 100

100 64.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 109.806 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

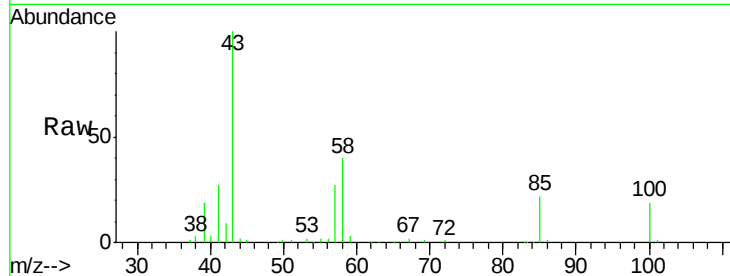
VW0104SBSD01

Tot Ion: 43 Resp: 36221

Ion Ratio Lower Upper

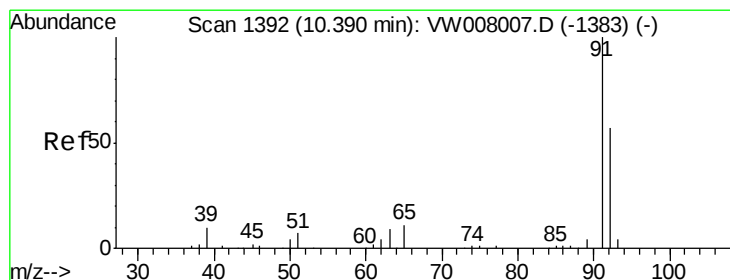
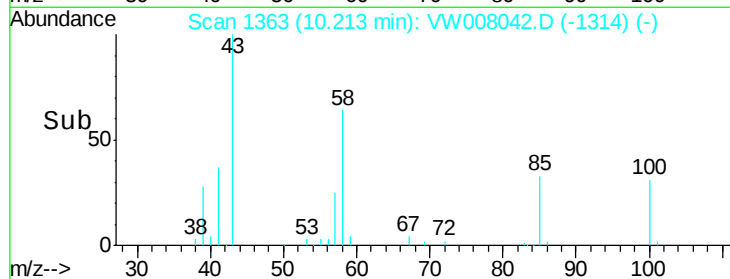
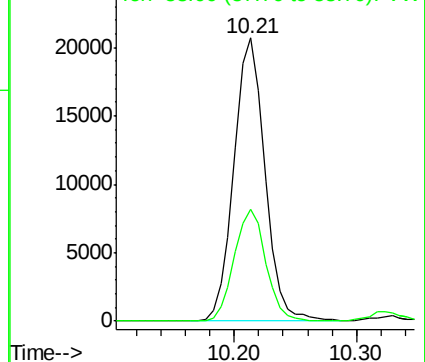
43 100

58 40.4 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.594 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008042.D

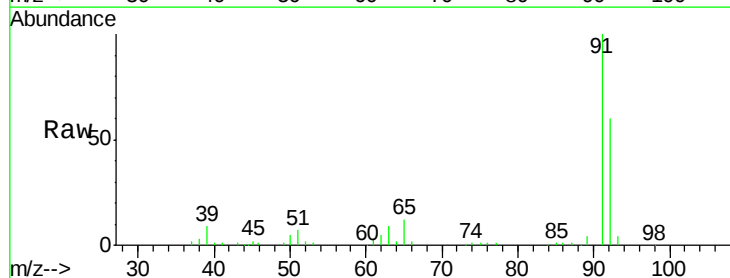
Acq: 04 Jan 2019 12:50

Tgt Ion: 92 Resp: 40518

Ion Ratio Lower Upper

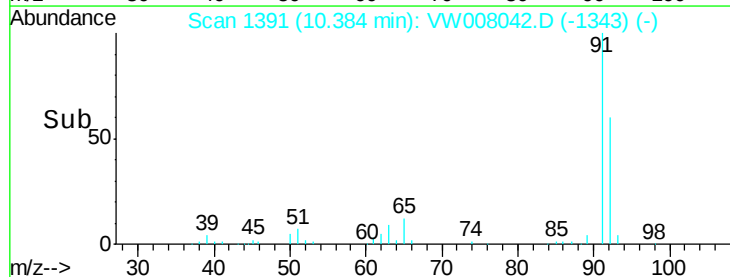
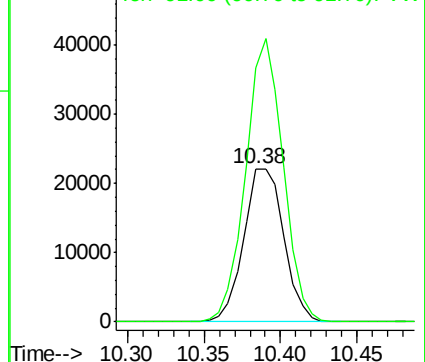
92 100

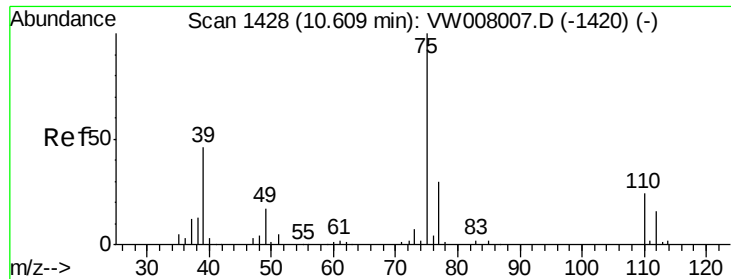
91 171.4 136.9 205.3



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: 20.183 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

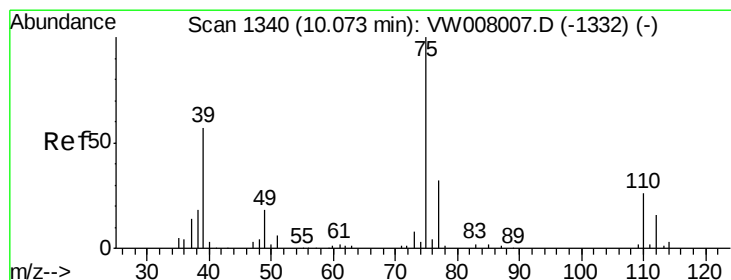
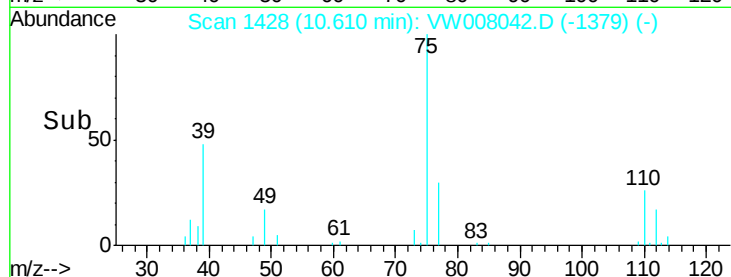
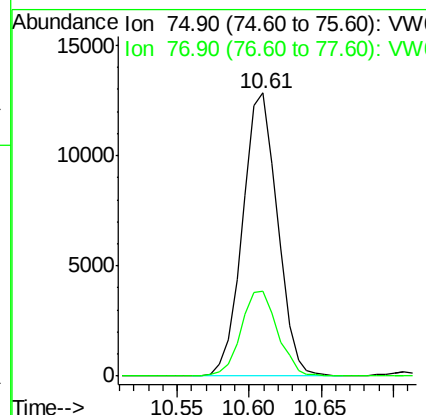
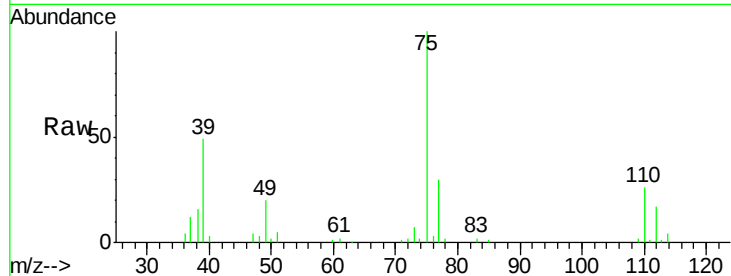
VW0104SBSD01

Tot Ion: 75 Resp: 21548

Ion Ratio Lower Upper

75 100

77 30.0 24.0 36.0



#54

cis-1,3-Dichloropropene

Concen: 20.357 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

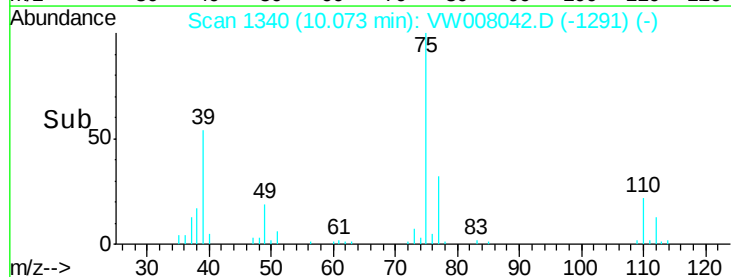
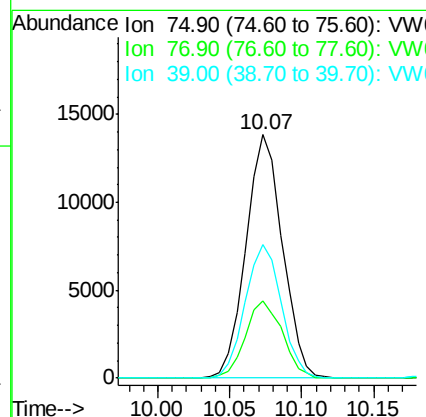
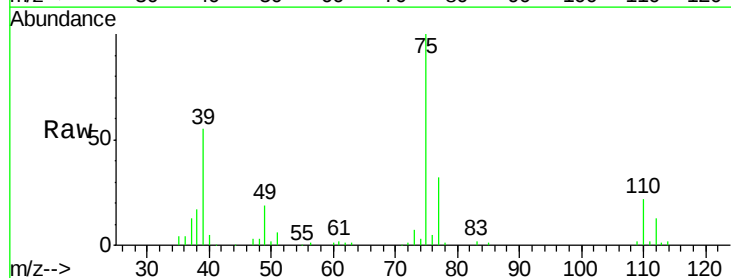
Tgt Ion: 75 Resp: 24252

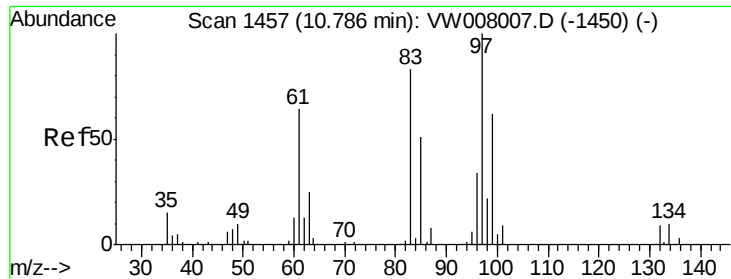
Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9

39 54.7 45.4 68.0

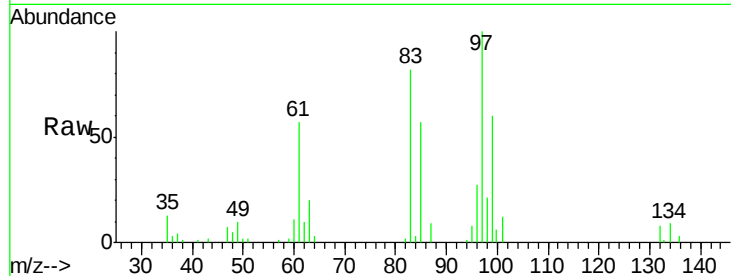




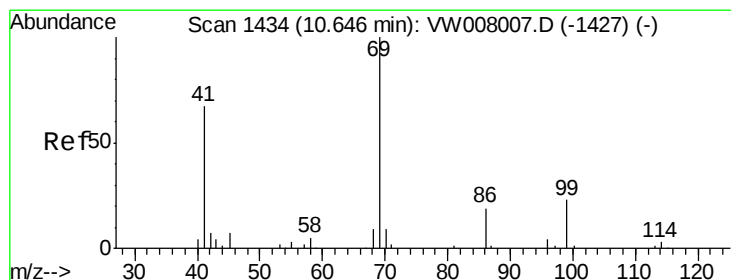
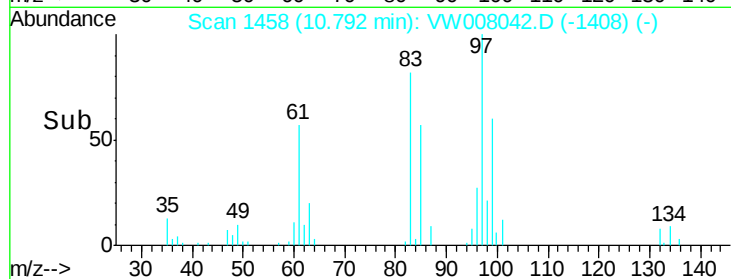
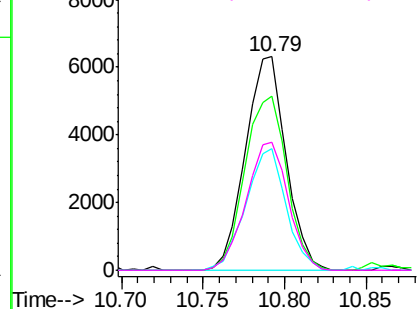
#55
 1,1,2-Trichloroethane
 Concen: 20.434 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

Tot Ion:	97	Resp:	10967
Ion	Ratio	Lower	Upper
97	100		
83	81.8	66.2	99.2
85	57.2	41.0	61.4
99	60.2	49.3	73.9

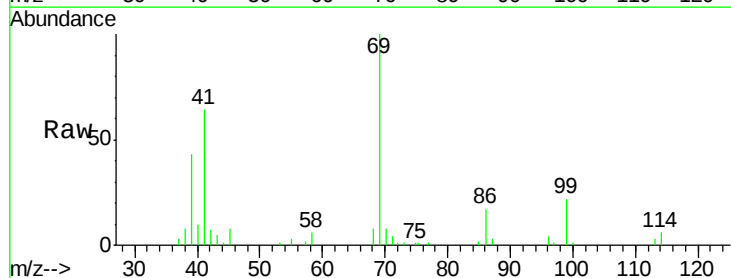


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

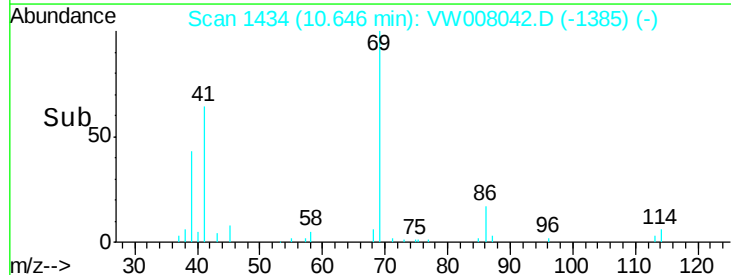
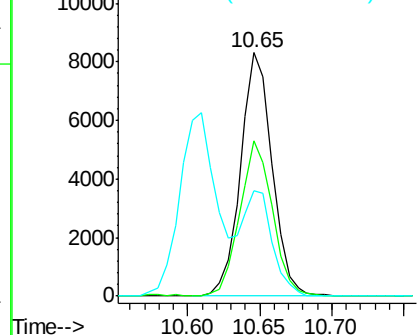


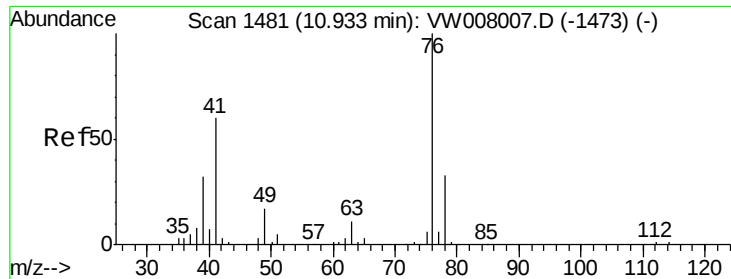
#56
 Ethyl methacrylate
 Concen: 20.857 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion:	69	Resp:	12655
Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.6	79.0
39	37.9	35.8	53.6



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

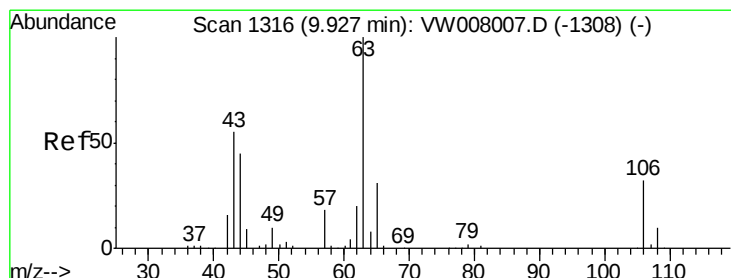
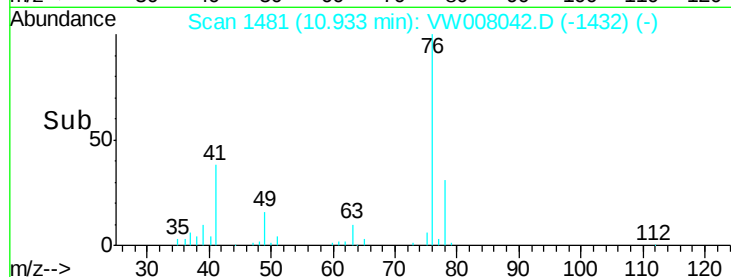
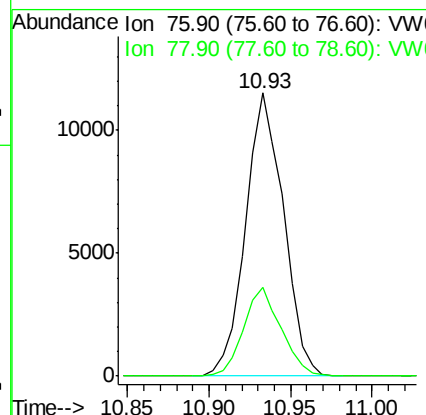
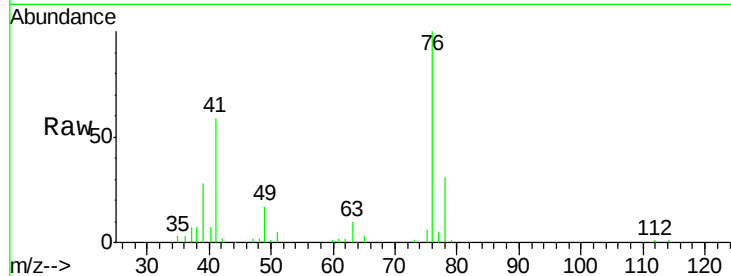




#57
 1,3-Dichloropropane
 Concen: 20.440 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

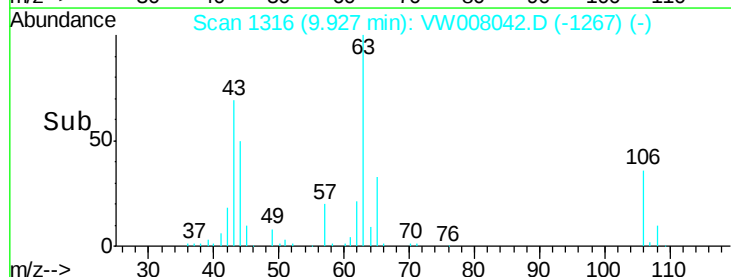
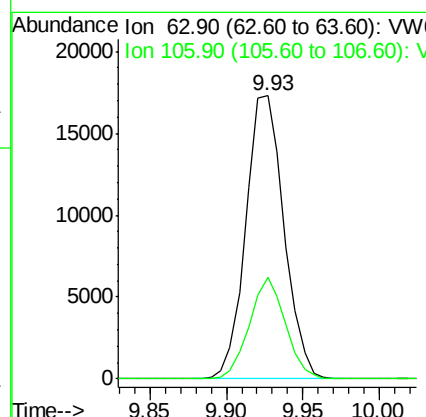
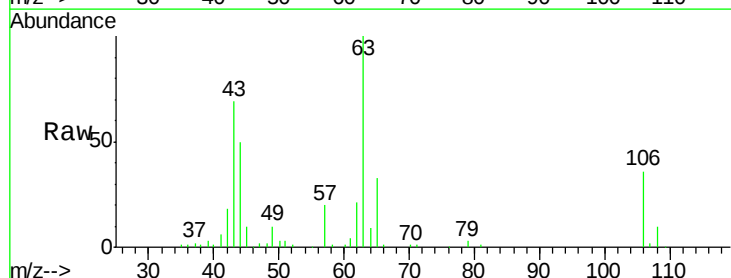
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

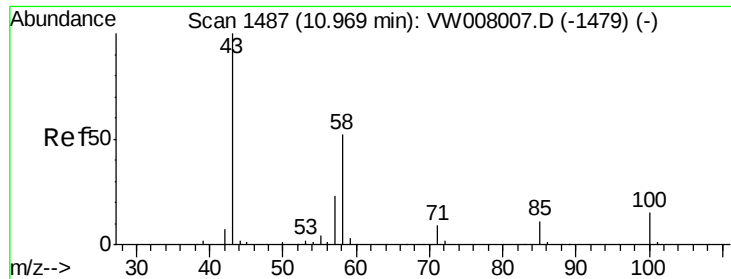
Tot Ion: 76 Resp: 18640
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.283 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion: 63 Resp: 30008
 Ion Ratio Lower Upper
 63 100
 106 33.6 26.9 40.3

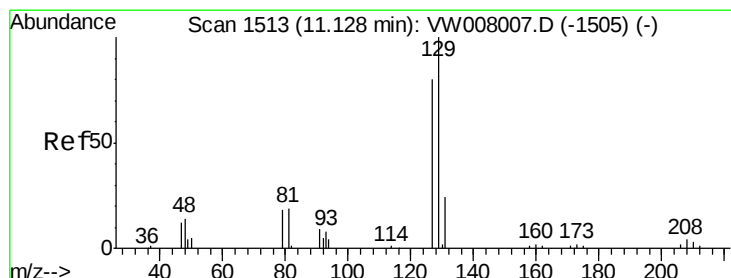
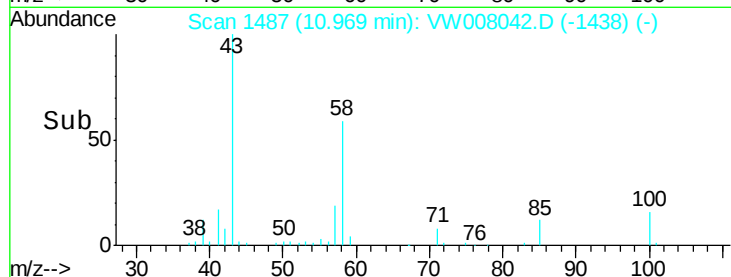
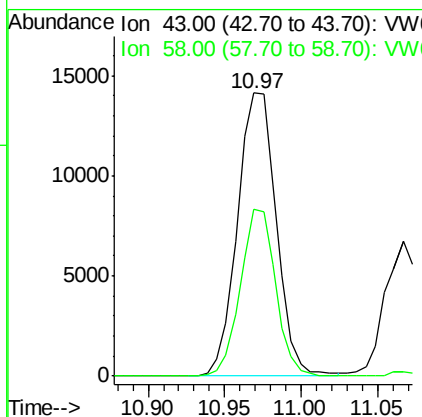
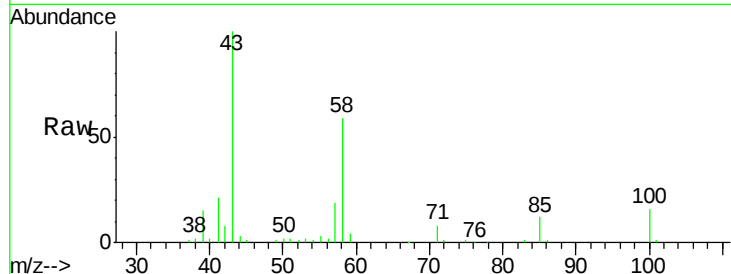




#59
2-Hexanone
Concen: 109.313 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

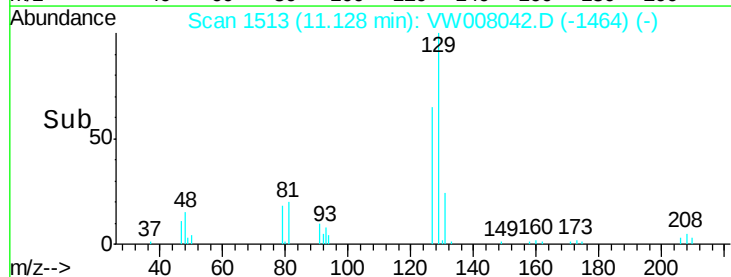
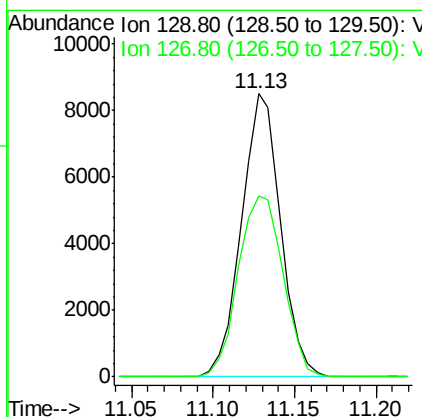
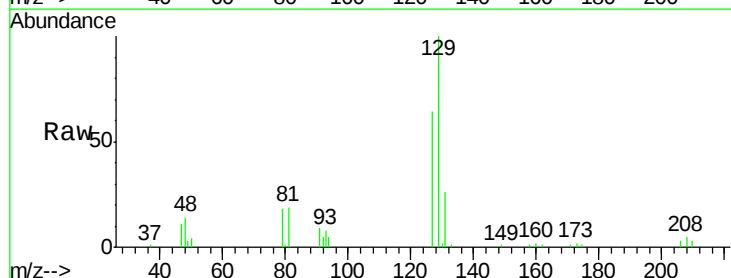
Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

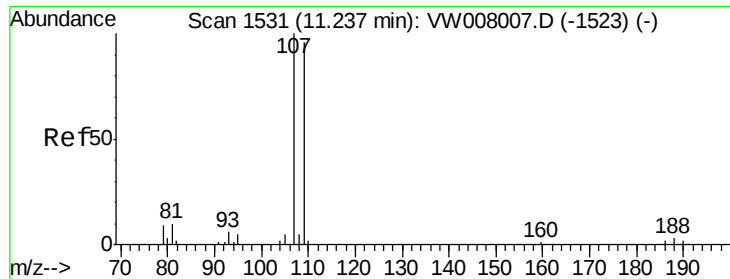
Tot Ion: 43 Resp: 24893
Ion Ratio Lower Upper
43 100
58 53.4 27.1 81.2



#60
Dibromochloromethane
Concen: 19.338 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion: 129 Resp: 14207
Ion Ratio Lower Upper
129 100
127 72.9 38.6 116.0

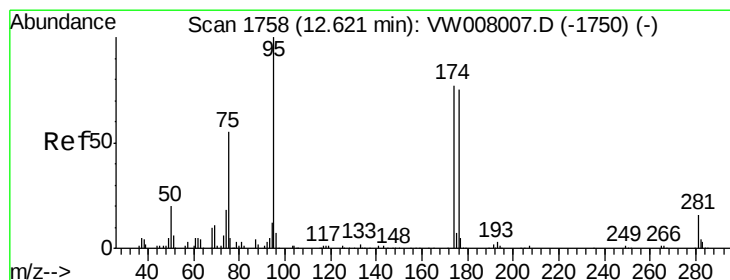
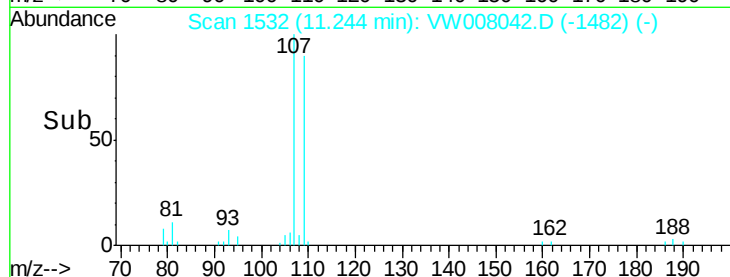
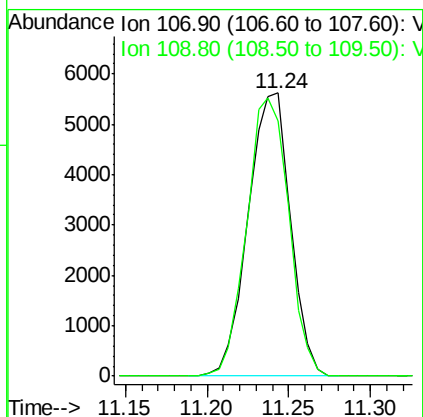
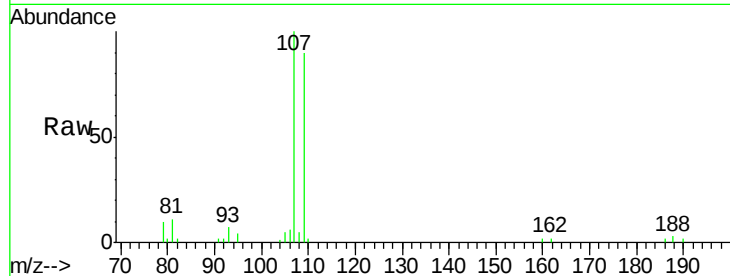




#61
 1,2-Dibromoethane
 Concen: 18.922 ug/l
 RT: 11.24 min Scan# 1532
 Delta R.T. 0.01 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

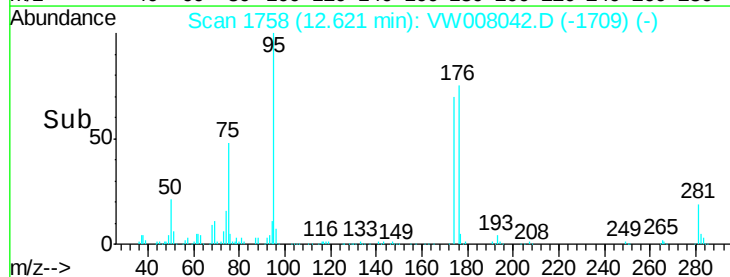
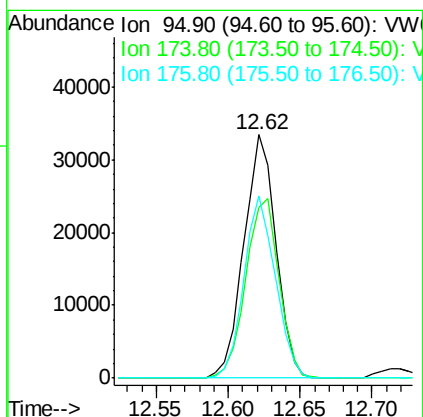
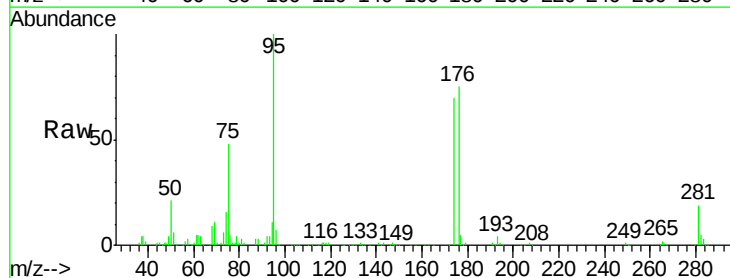
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

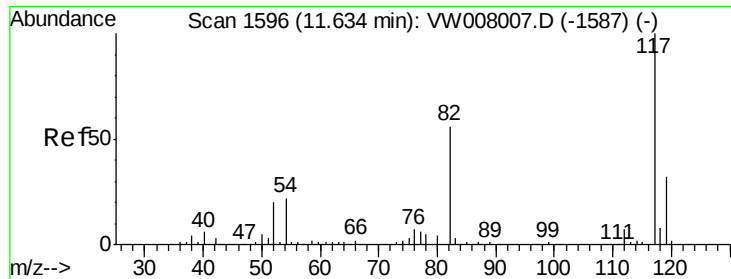
Tot Ion:107 Resp: 10163
 Ion Ratio Lower Upper
 107 100
 109 97.5 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 47.147 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion: 95 Resp: 51466
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 149.6
 176 73.3 0.0 145.4

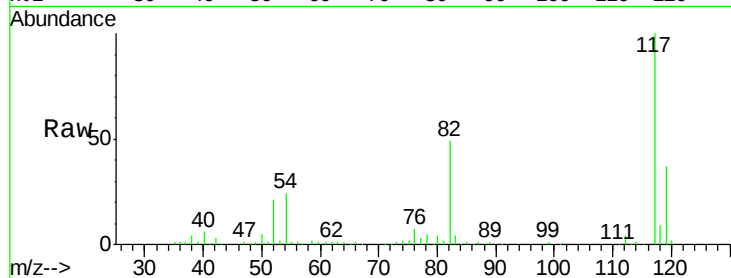




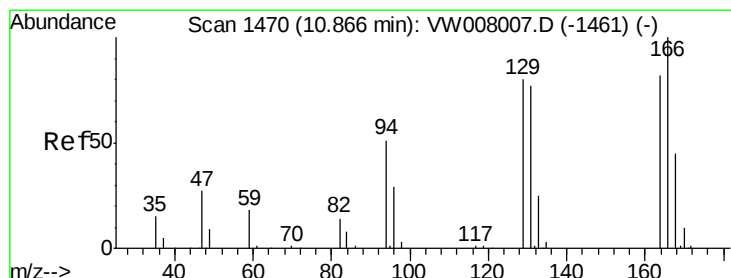
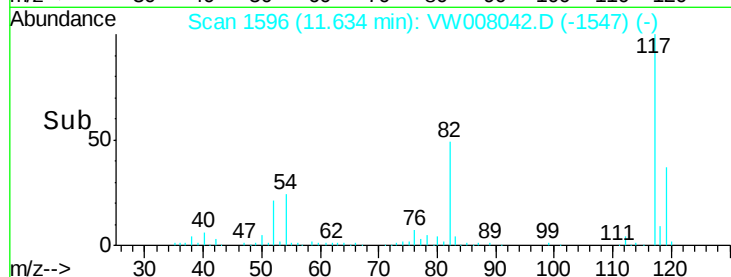
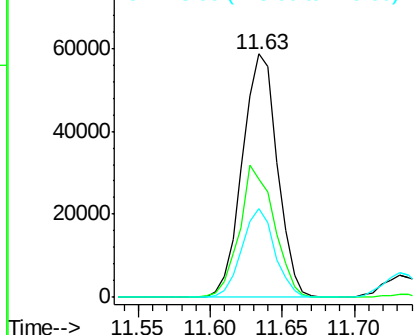
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

Tot Ion:117 Resp: 98726
Ion Ratio Lower Upper
117 100
82 48.6 44.8 67.2
119 36.5 25.6 38.4

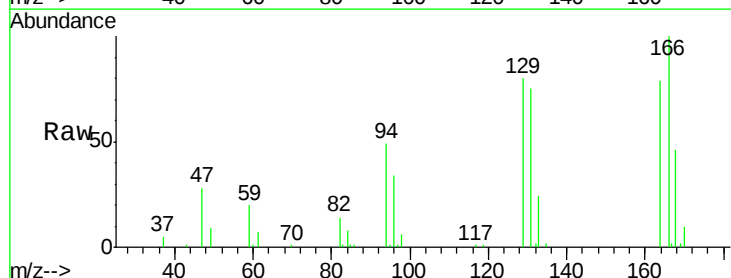


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

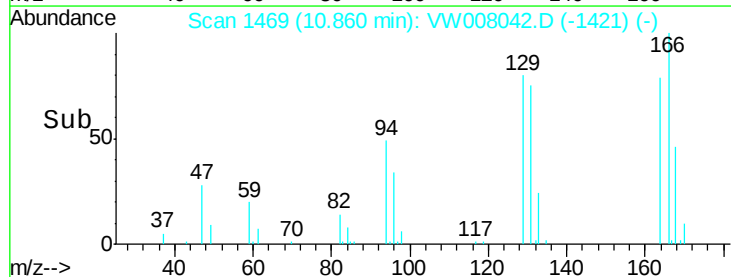
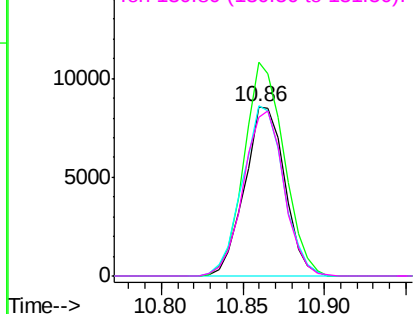


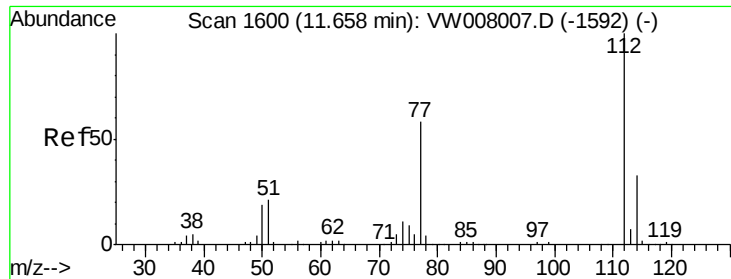
#64
Tetrachloroethene
Concen: 21.567 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion:164 Resp: 14708
Ion Ratio Lower Upper
164 100
166 126.3 98.1 147.1
129 101.0 78.0 117.0
131 94.1 75.8 113.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.820 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

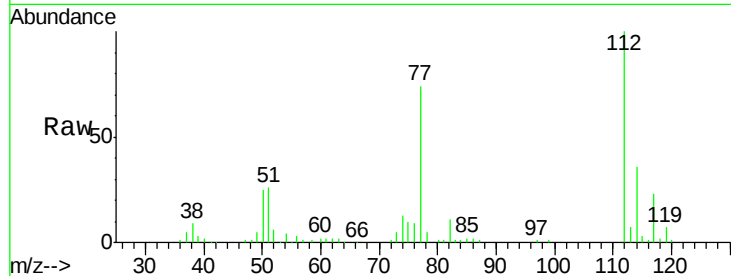
VW0104SBSD01

Tot Ion:112 Resp: 39709

Ion Ratio Lower Upper

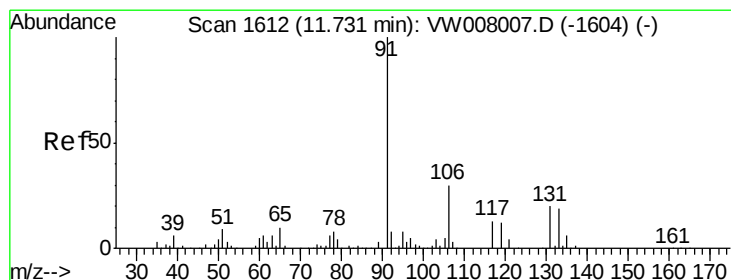
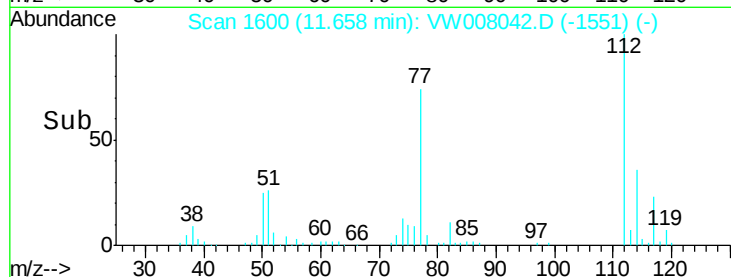
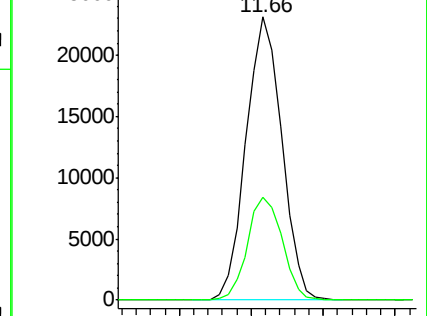
112 100

114 36.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.957 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

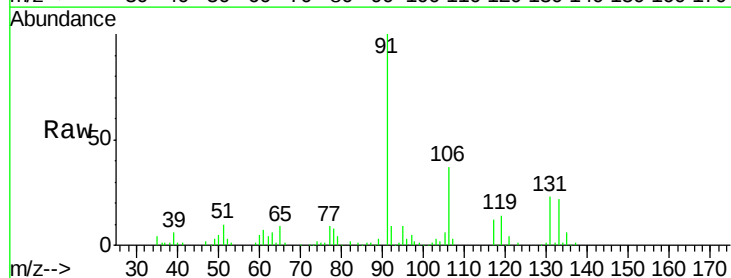
Tgt Ion:131 Resp: 15249

Ion Ratio Lower Upper

131 100

133 99.0 49.1 147.3

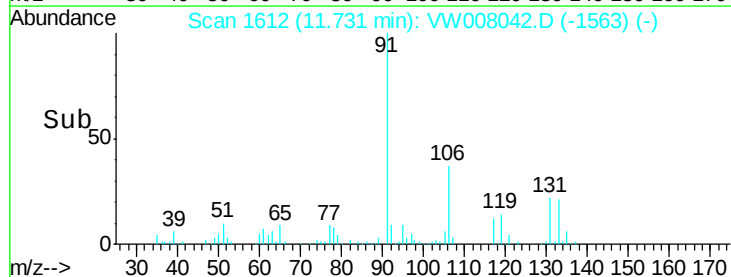
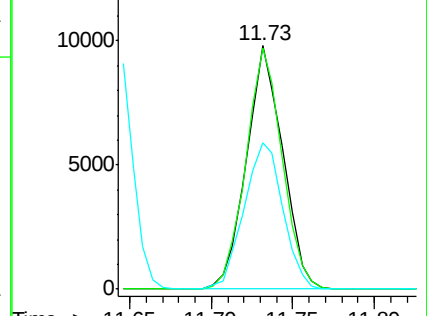
119 64.2 30.6 91.6

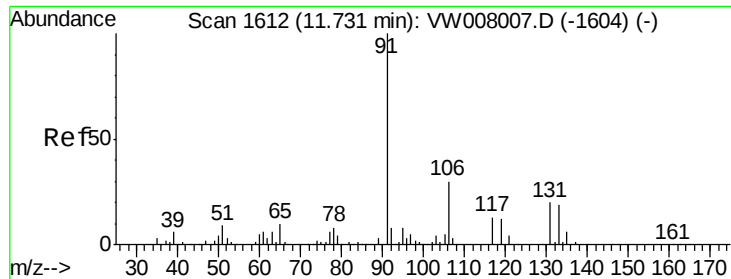


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

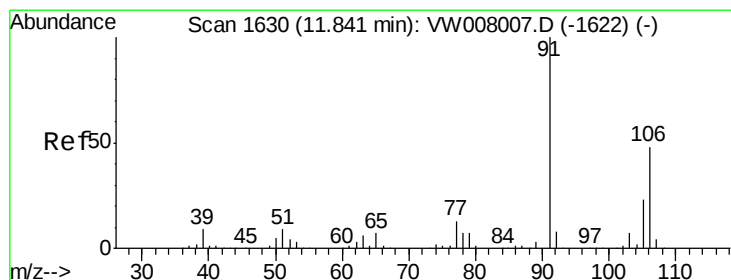
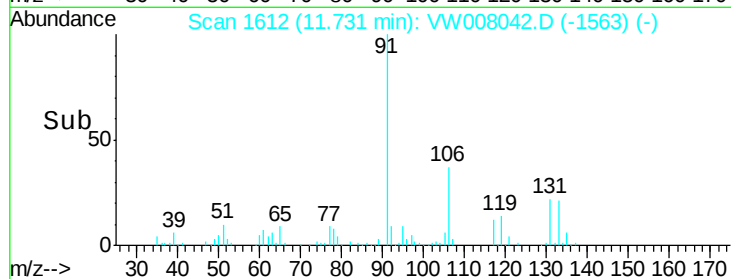
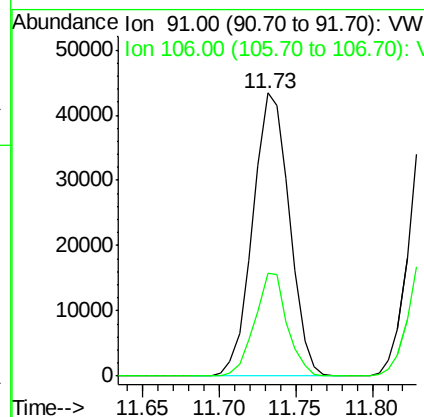
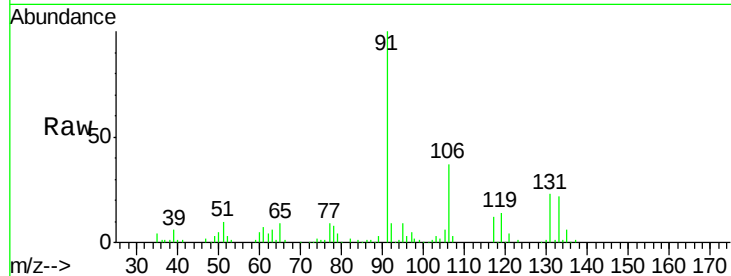




#67
Ethyl Benzene
Concen: 19.339 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

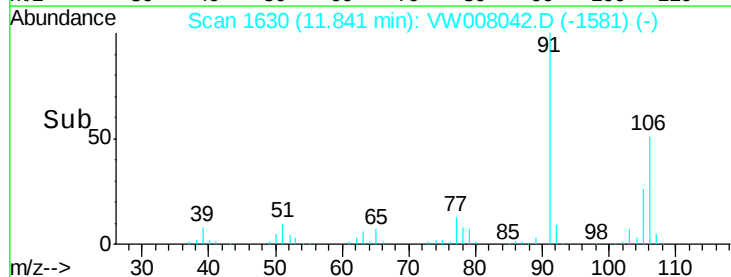
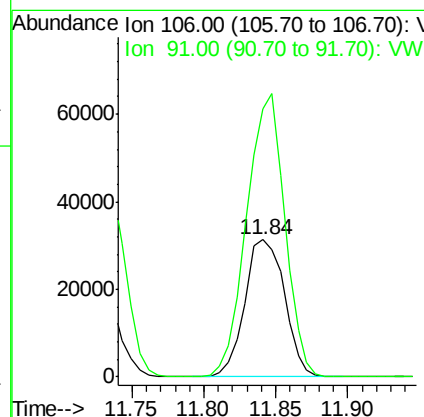
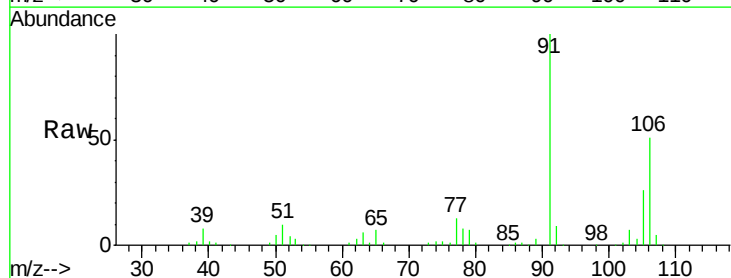
Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

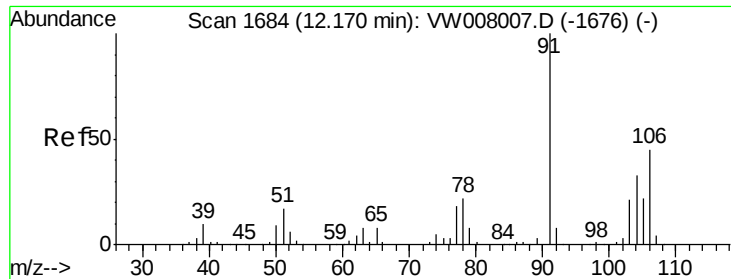
Tot Ion: 91 Resp: 72428
Ion Ratio Lower Upper
91 100
106 36.5 24.3 36.5#



#68
m/p-Xylenes
Concen: 41.324 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion: 106 Resp: 59834
Ion Ratio Lower Upper
106 100
91 198.2 165.8 248.8

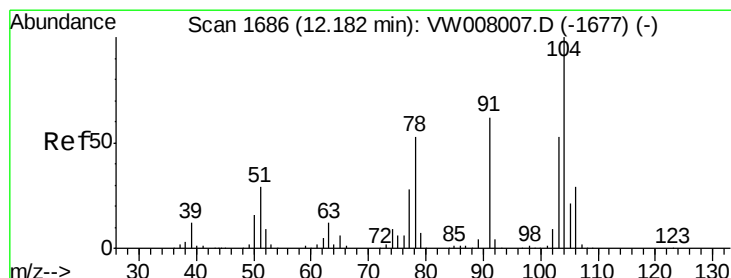
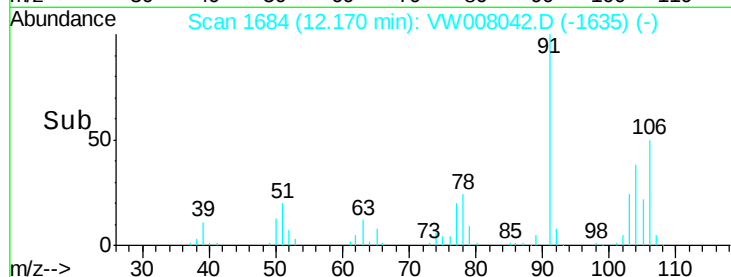
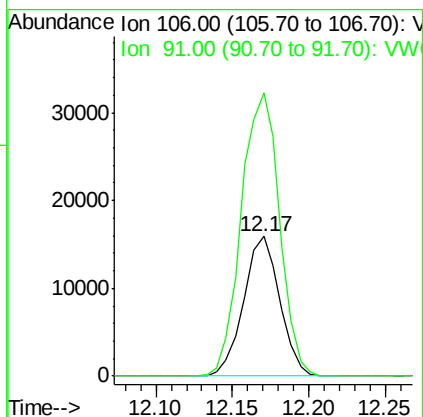
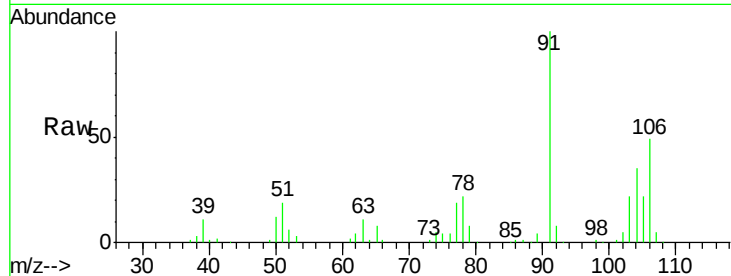




#69
o-Xylene
Concen: 19.407 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

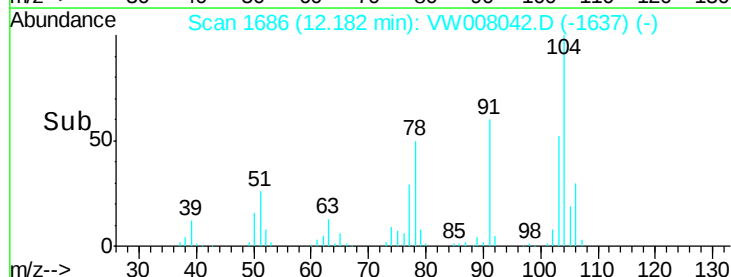
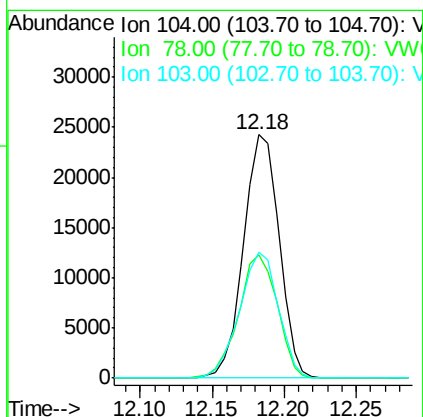
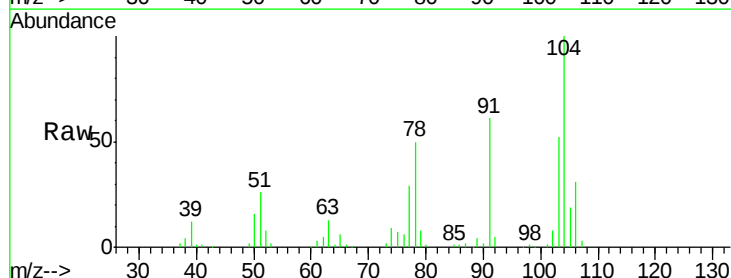
Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

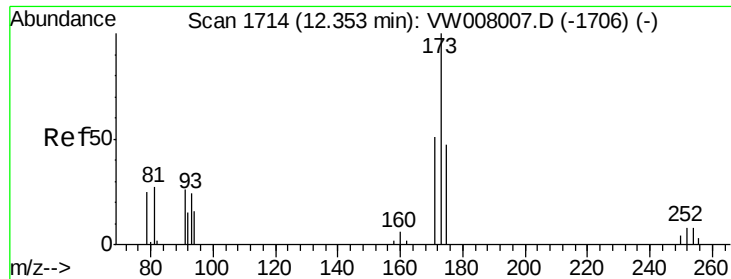
Tot Ion:106 Resp: 26147
Ion Ratio Lower Upper
106 100
91 213.9 110.6 331.6



#70
Styrene
Concen: 18.930 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion:104 Resp: 41570
Ion Ratio Lower Upper
104 100
78 55.0 44.0 66.0
103 56.4 44.6 66.8





#71

Bromoform

Concen: 21.293 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

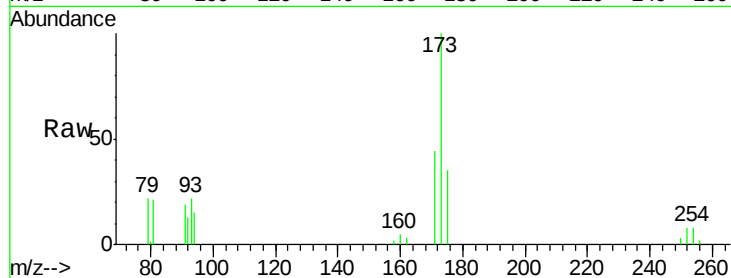
Tot Ion:173 Resp: 7538

Ion Ratio Lower Upper

173 100

175 45.0 23.6 71.0

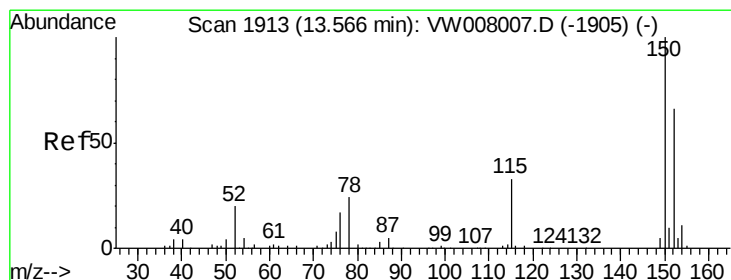
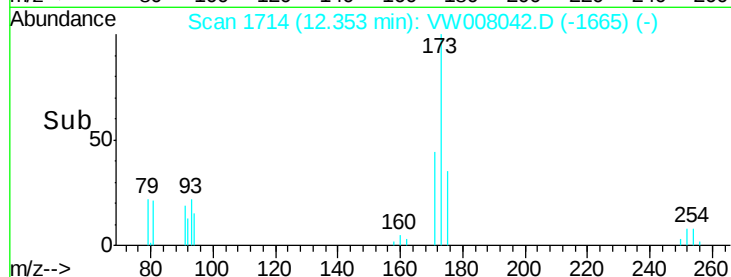
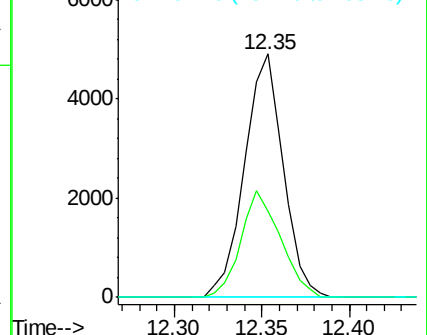
254 0.0 0.0 0.0



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. -0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

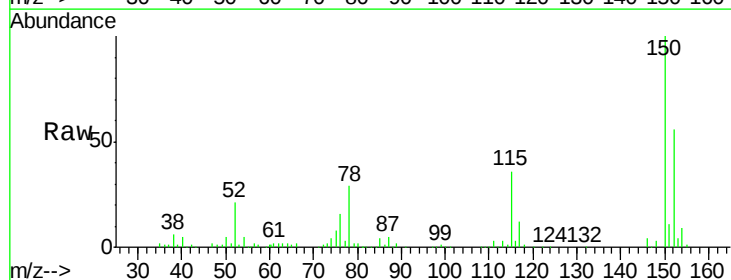
Tgt Ion:152 Resp: 48172

Ion Ratio Lower Upper

152 100

115 60.7 32.1 96.5

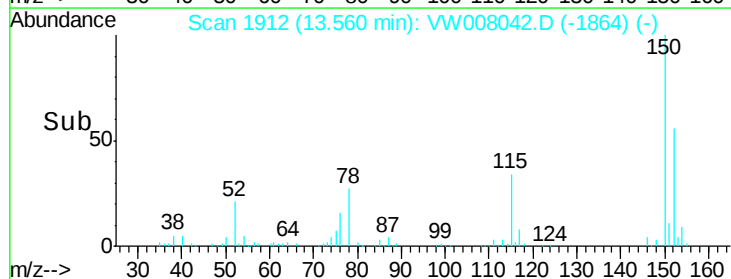
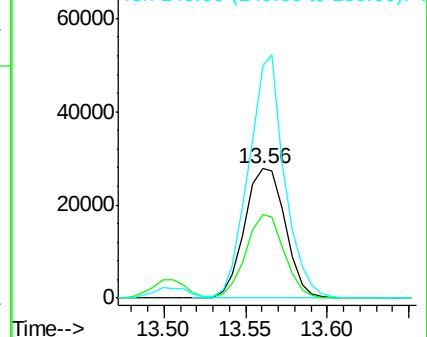
150 166.4 0.0 345.0

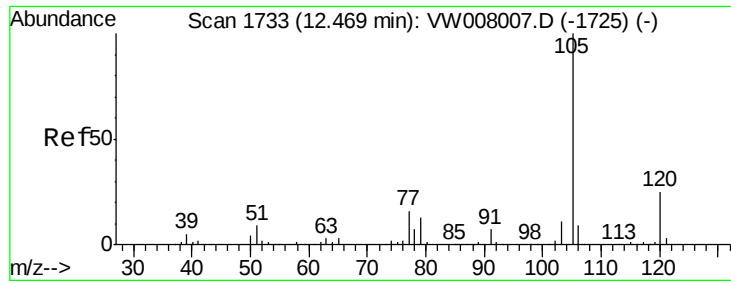


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.709 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

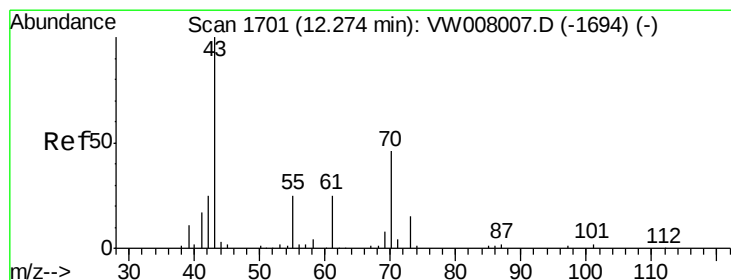
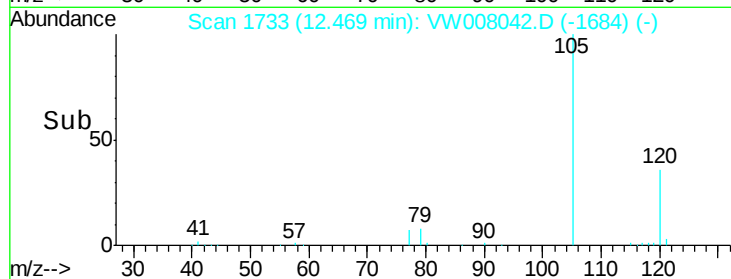
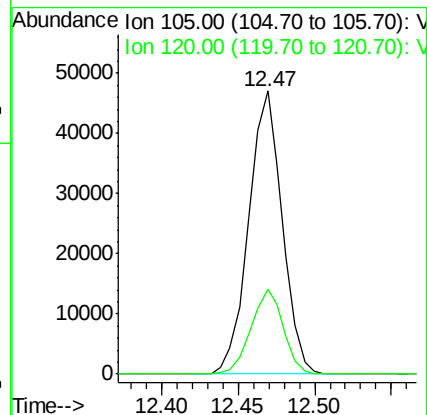
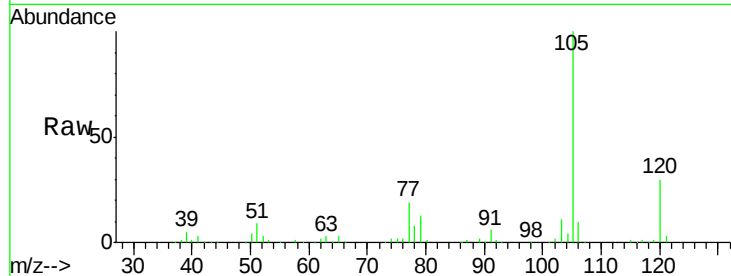
VW0104SBSD01

Tot Ion:105 Resp: 71666

Ion Ratio Lower Upper

105 100

120 28.9 12.8 38.3



#74

N-ethyl acetate

Concen: 21.103 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Tgt Ion: 43 Resp: 12583

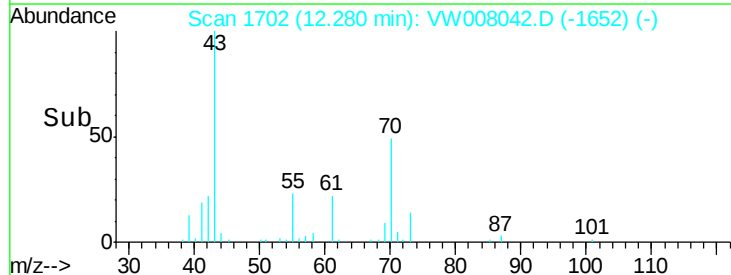
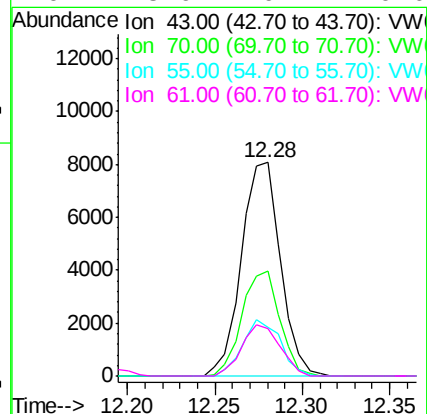
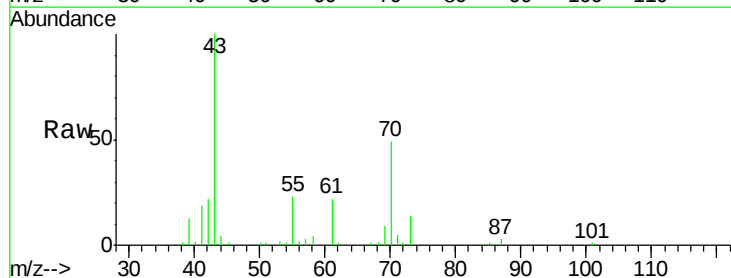
Ion Ratio Lower Upper

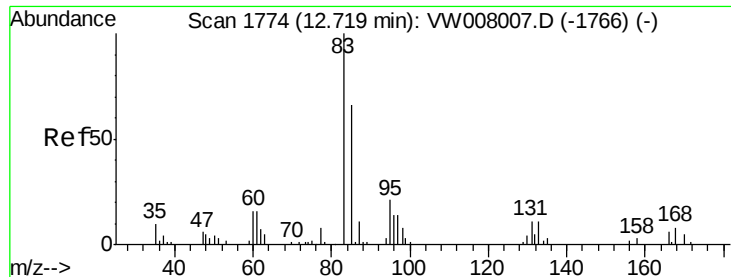
43 100

70 47.7 35.2 52.8

55 25.7 21.4 32.0

61 23.9 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.953 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

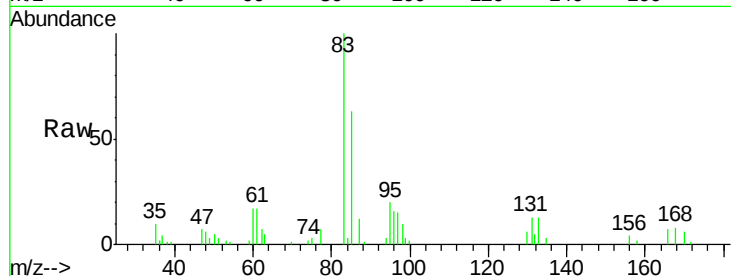
Tot Ion: 83 Resp: 10212

Ion Ratio Lower Upper

83 100

131 13.6 6.5 19.5

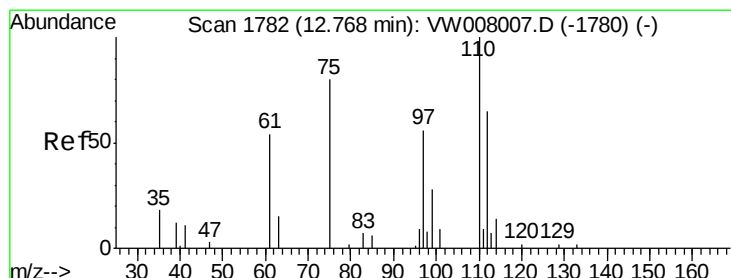
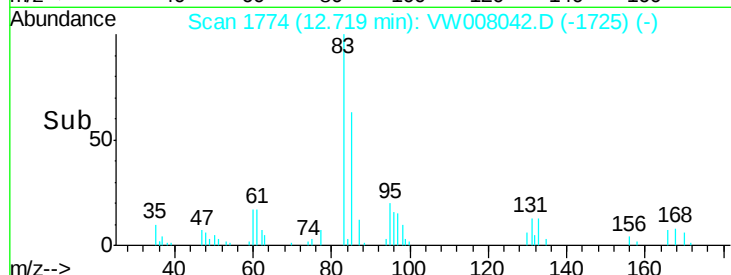
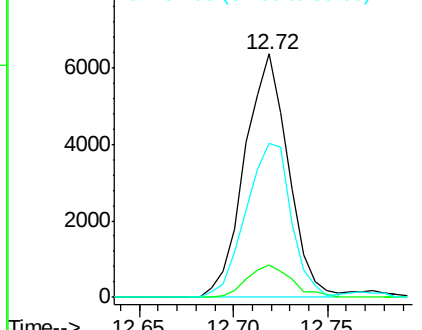
85 65.9 32.8 98.3



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: 41.121 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008042.D

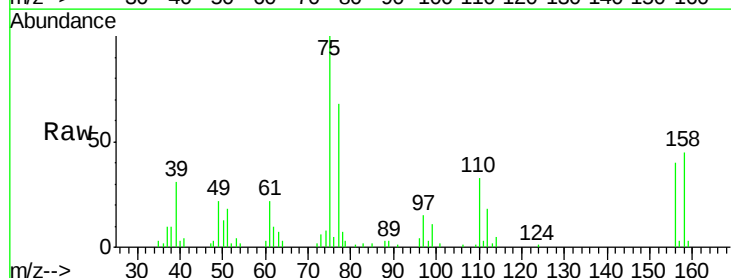
Acq: 04 Jan 2019 12:50

Tgt Ion: 75 Resp: 15759

Ion Ratio Lower Upper

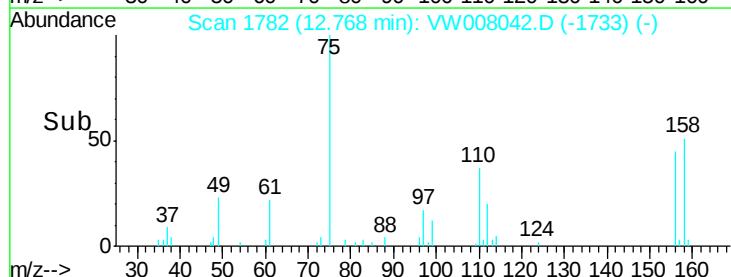
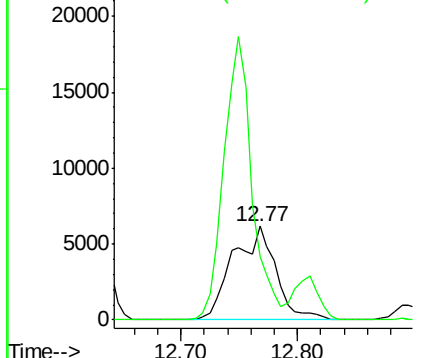
75 100

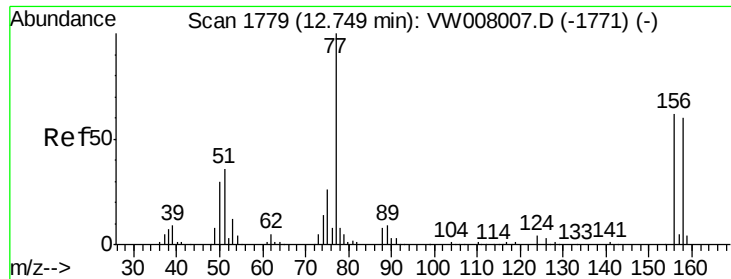
77 198.0 186.2 558.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.149 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

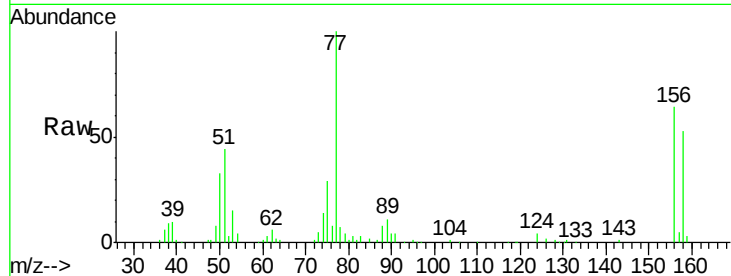
Tot Ion:156 Resp: 16589

Ion Ratio Lower Upper

156 100

77 188.1 87.9 263.8

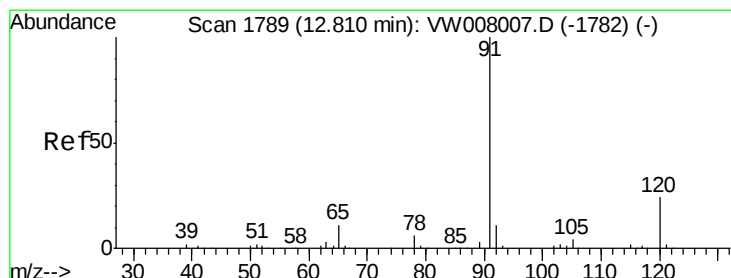
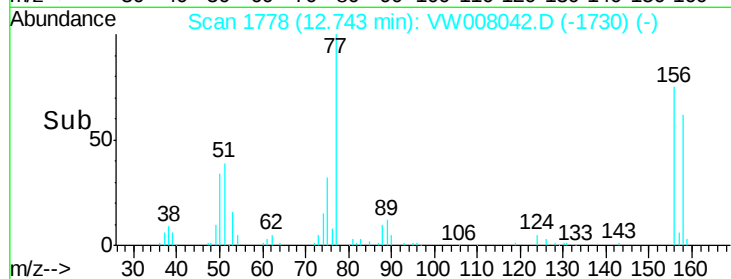
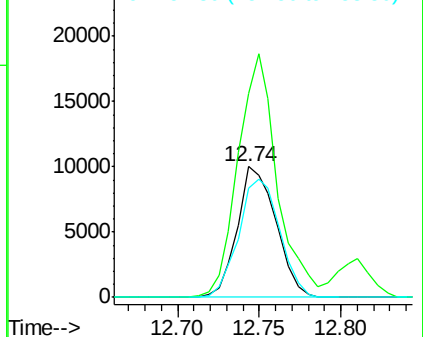
158 95.7 47.8 143.4



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: 19.974 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008042.D

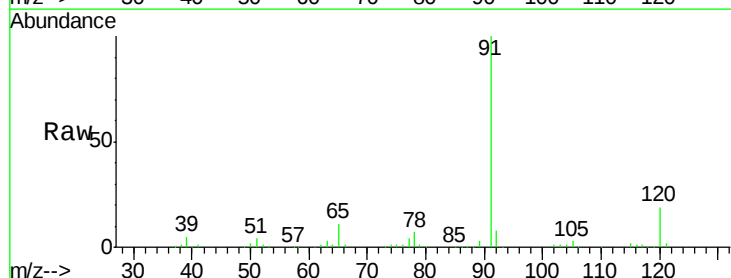
Acq: 04 Jan 2019 12:50

Tgt Ion: 91 Resp: 88708

Ion Ratio Lower Upper

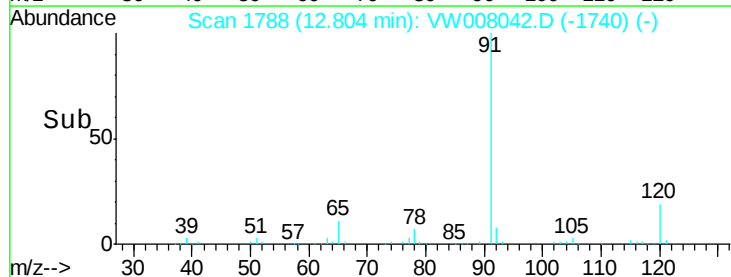
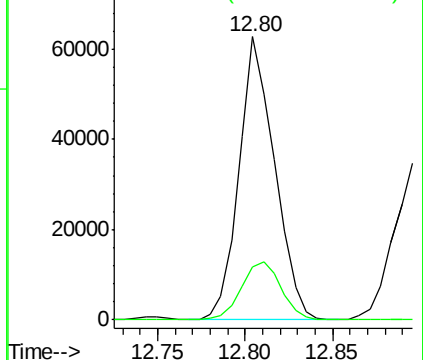
91 100

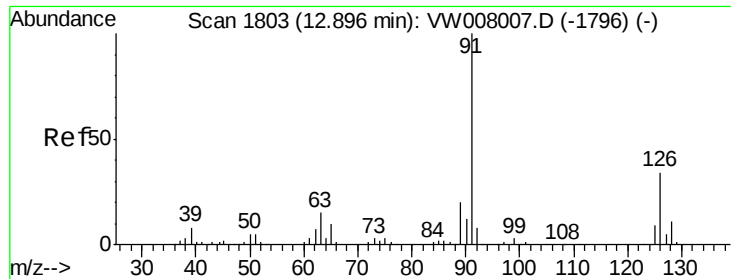
120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.697 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

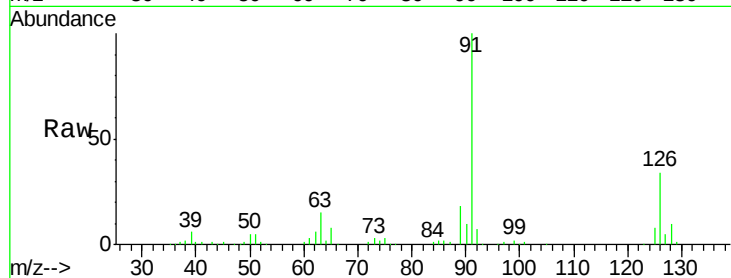
VW0104SBSD01

Tot Ion: 91 Resp: 50559

Ion Ratio Lower Upper

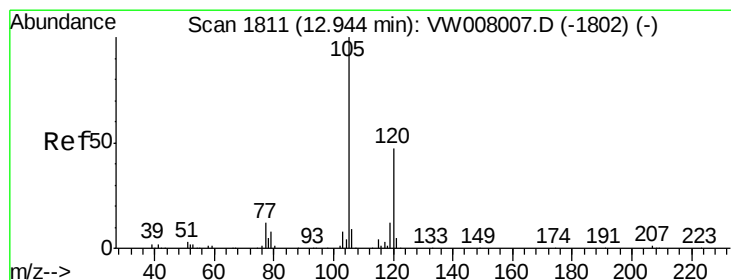
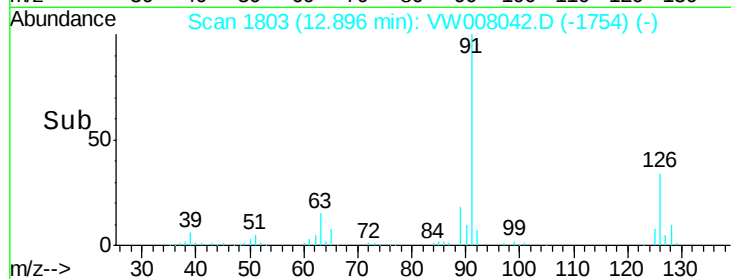
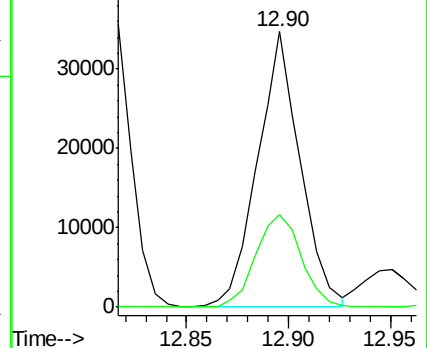
91 100

126 35.9 17.1 51.2



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: 20.735 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008042.D

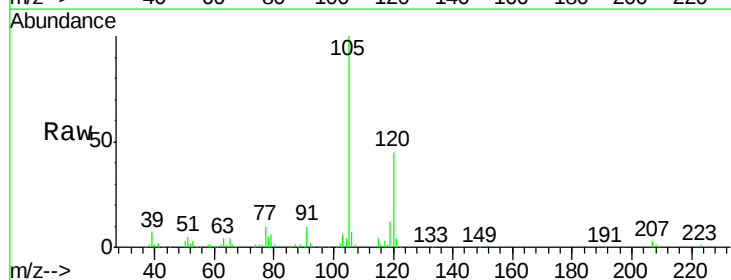
Acq: 04 Jan 2019 12:50

Tgt Ion:105 Resp: 68368

Ion Ratio Lower Upper

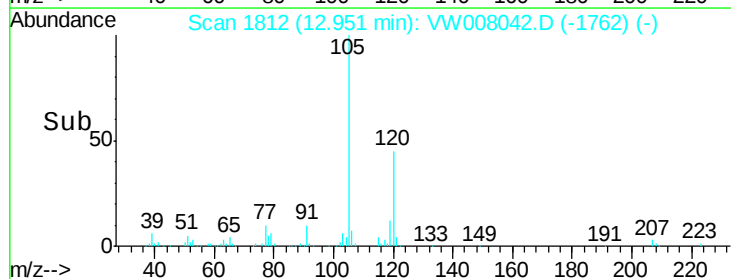
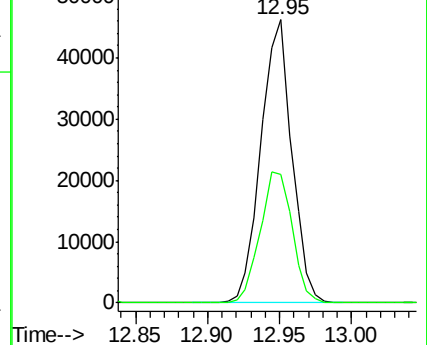
105 100

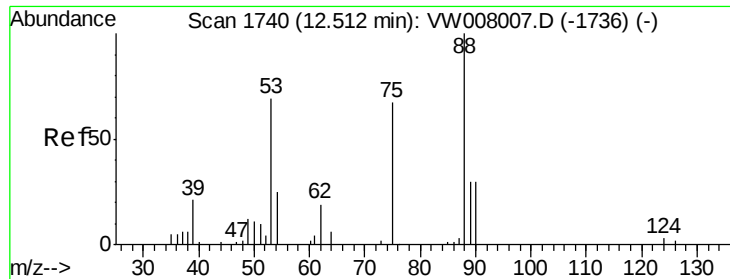
120 48.2 23.3 69.9



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: 21.530 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

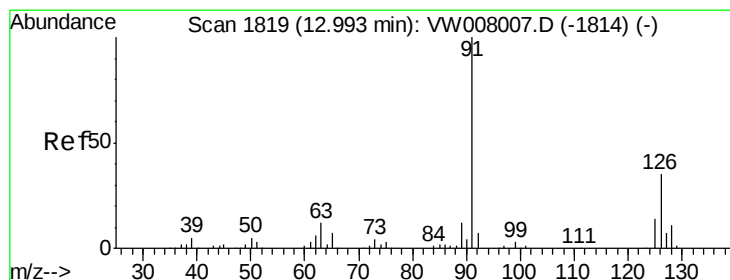
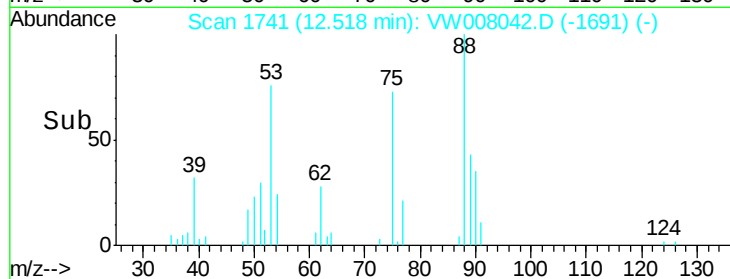
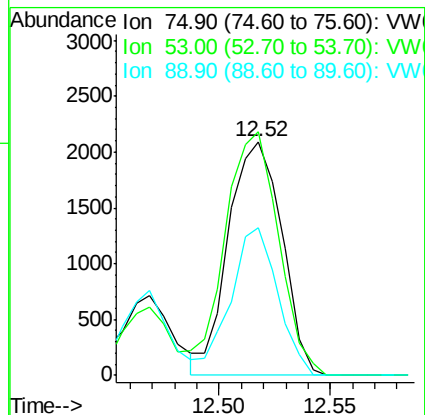
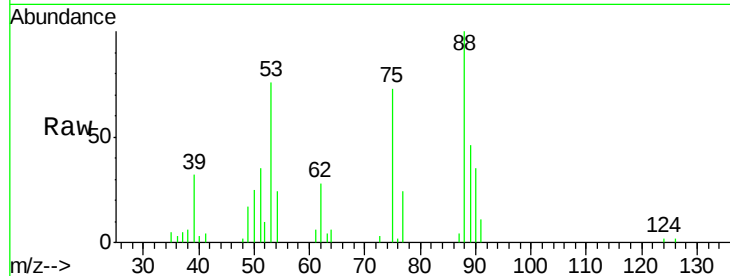
Tot Ion: 75 Resp: 3489

Ion Ratio Lower Upper

75 100

53 106.2 87.6 131.4

89 56.1 42.2 63.2



#82

4-Chlorotoluene

Concen: 18.307 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008042.D

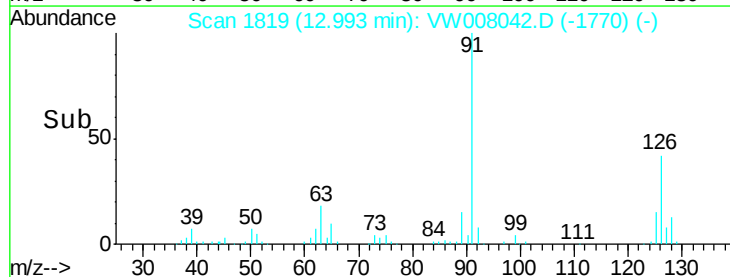
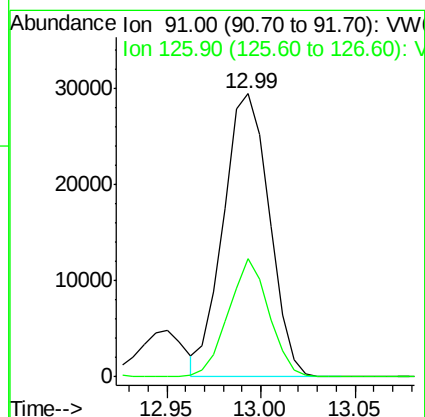
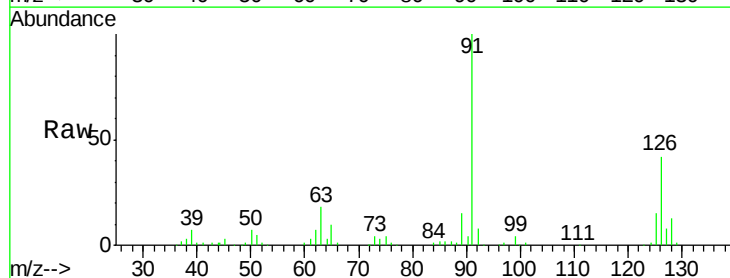
Acq: 04 Jan 2019 12:50

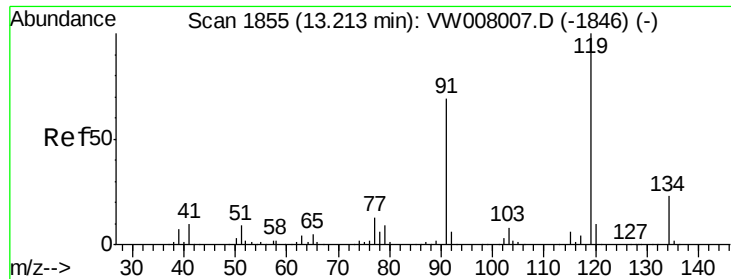
Tgt Ion: 91 Resp: 49965

Ion Ratio Lower Upper

91 100

126 37.0 16.7 50.1

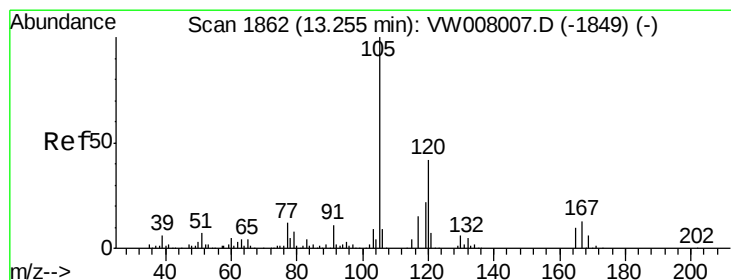
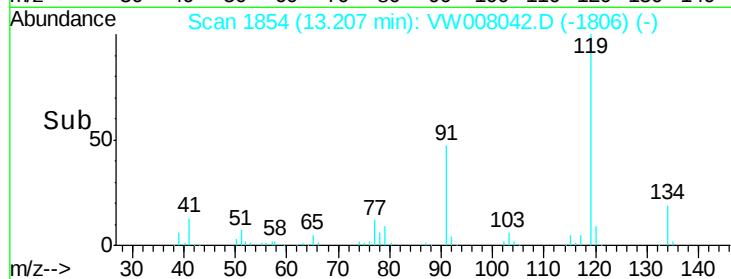
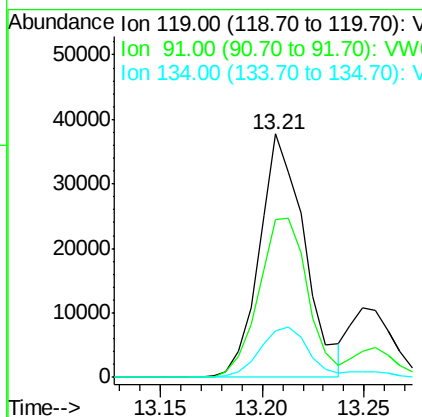
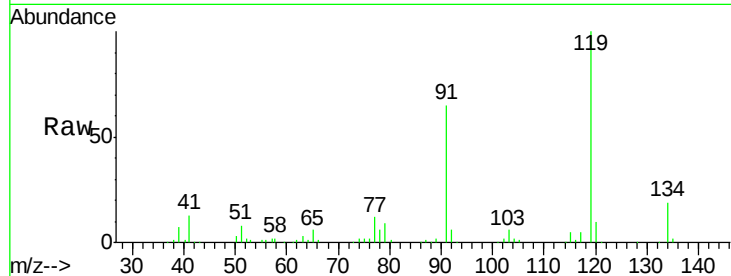




#83
tert-Butylbenzene
Concen: 20.118 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

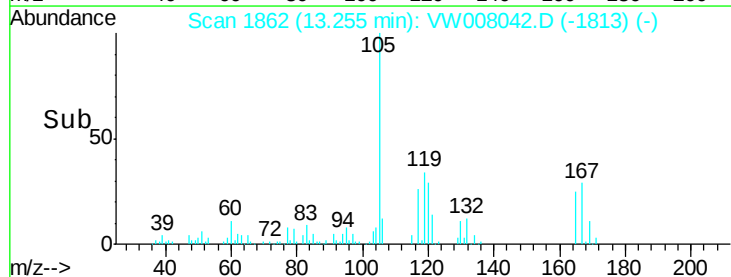
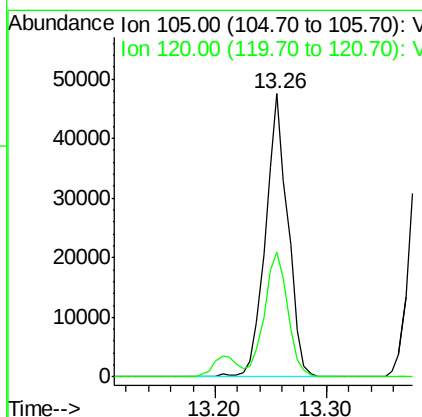
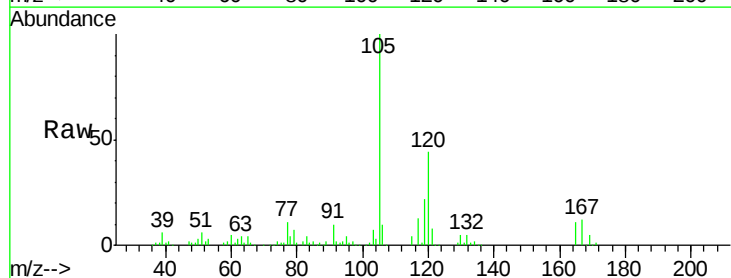
Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

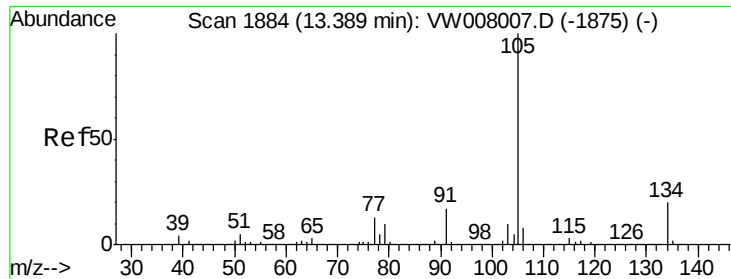
Tot Ion:119 Resp: 58034
Ion Ratio Lower Upper
119 100
91 71.0 34.7 104.1
134 22.8 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 20.003 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion:105 Resp: 66804
Ion Ratio Lower Upper
105 100
120 46.0 21.5 64.5





#85

sec-Butylbenzene

Concen: 21.332 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

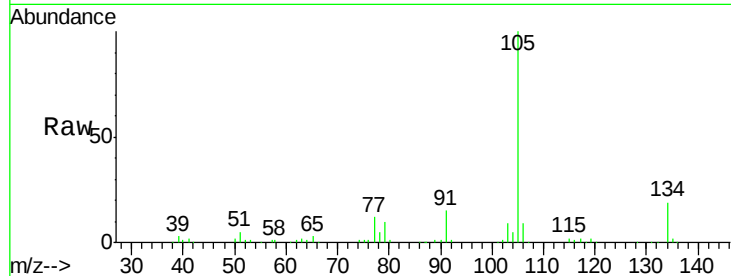
VW0104SBSD01

Tot Ion:105 Resp: 84651

Ion Ratio Lower Upper

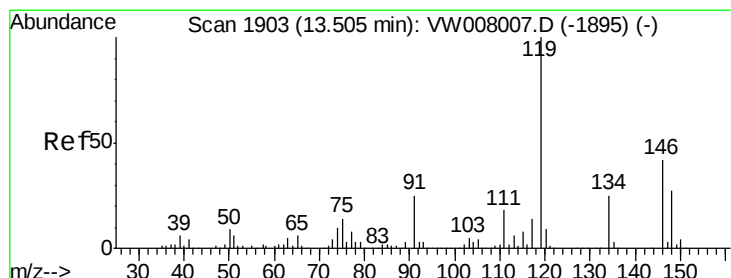
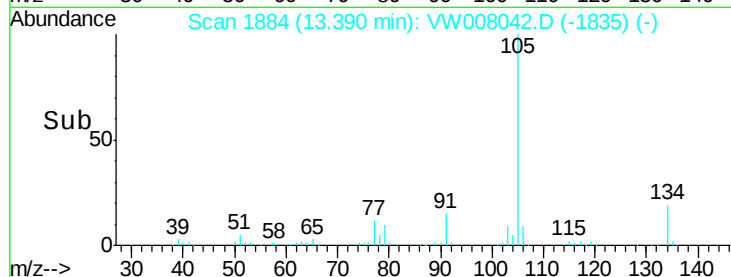
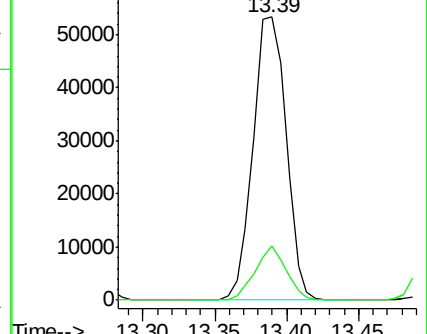
105 100

134 17.9 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.931 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

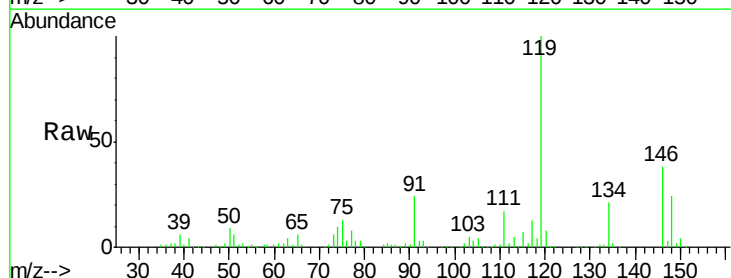
Tgt Ion:119 Resp: 71342

Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

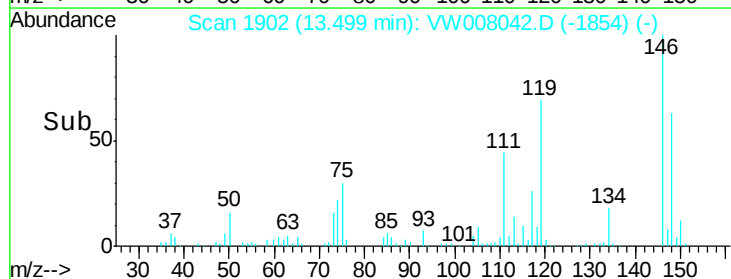
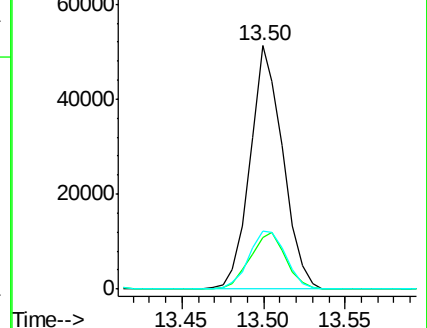
91 27.0 13.1 39.3

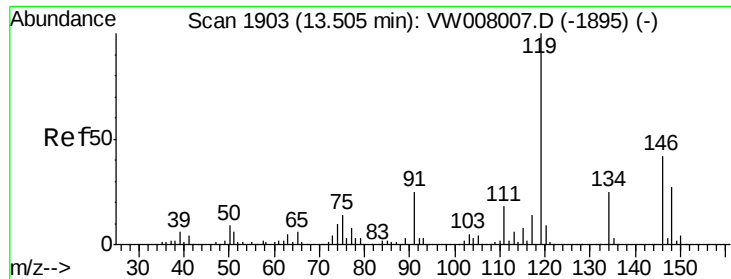


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

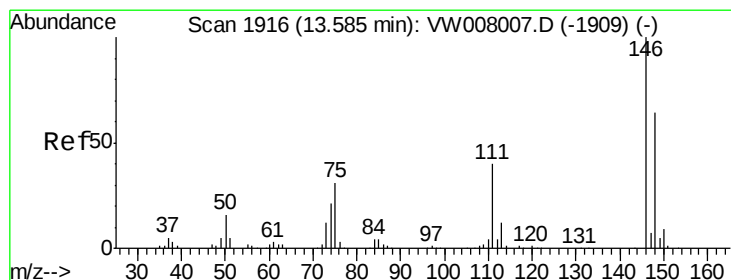
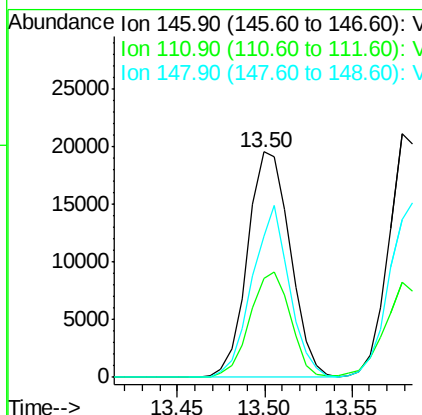
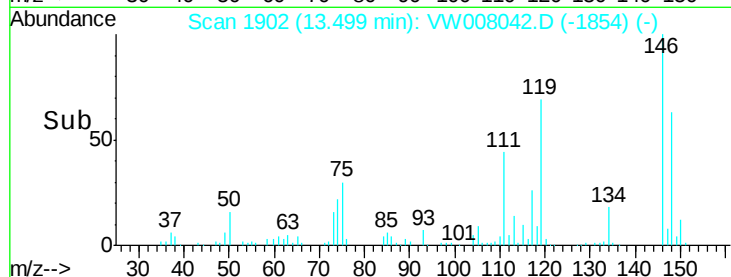
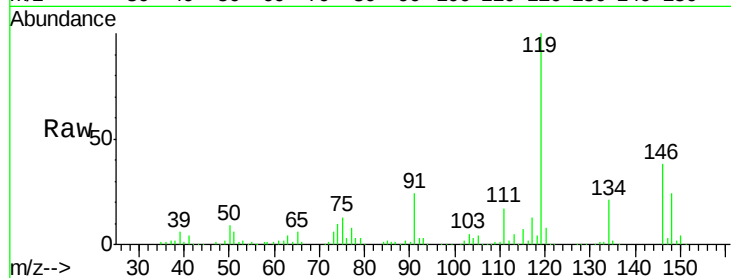




#87
 1,3-Dichlorobenzene
 Concen: 19.952 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

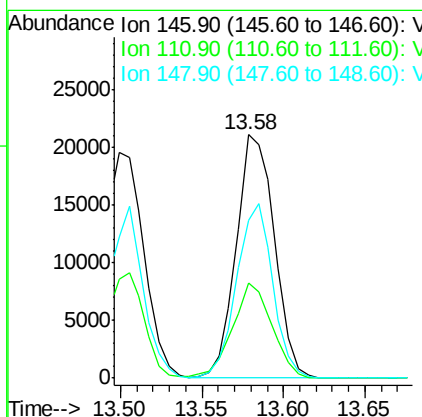
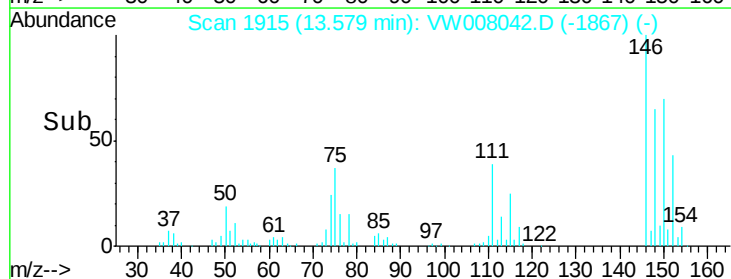
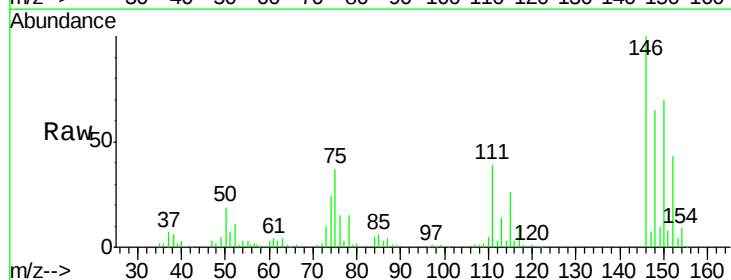
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBSD01

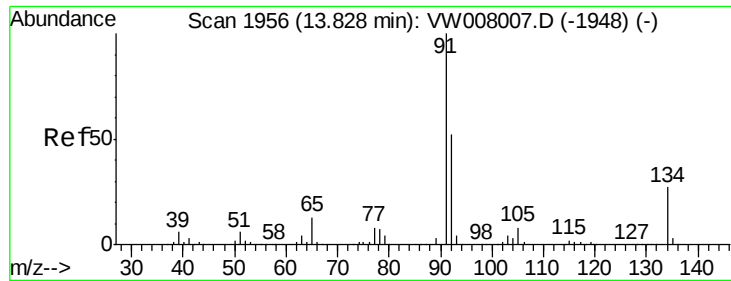
Tot Ion:146 Resp: 33145
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.4 64.2
 148 66.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.897 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008042.D
 Acq: 04 Jan 2019 12:50

Tgt Ion:146 Resp: 34369
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.9 62.8
 148 68.1 31.9 95.9





#89

n-Butylbenzene

Concen: 21.346 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

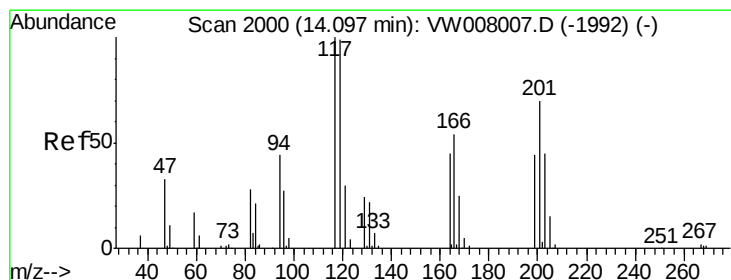
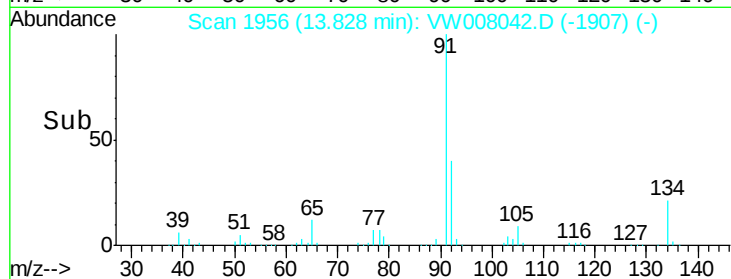
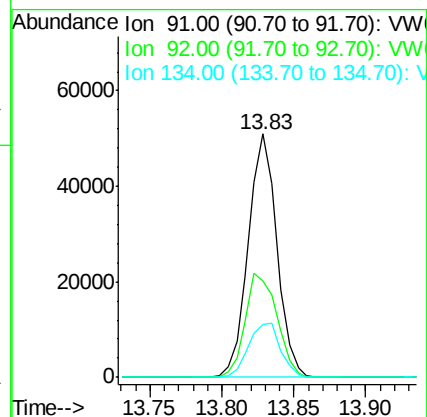
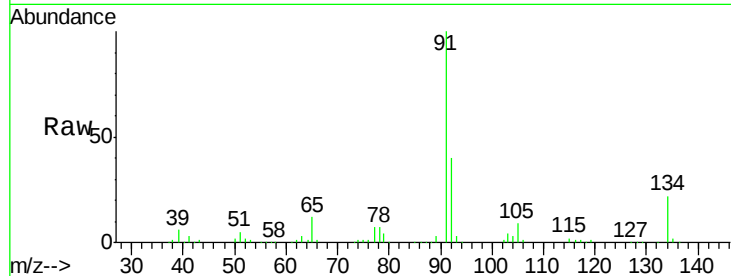
Tot Ion: 91 Resp: 69888

Ion Ratio Lower Upper

91 100

92 47.5 26.4 79.2

134 25.0 13.4 40.2



#90

Hexachloroethane

Concen: 19.388 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW008042.D

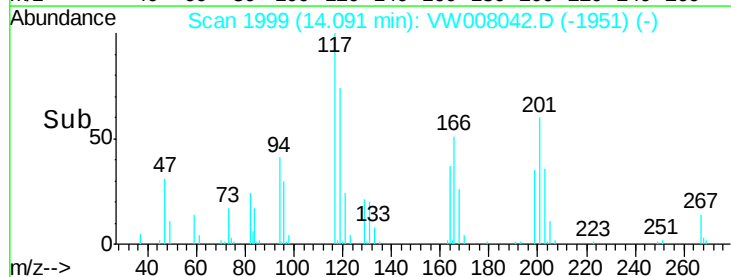
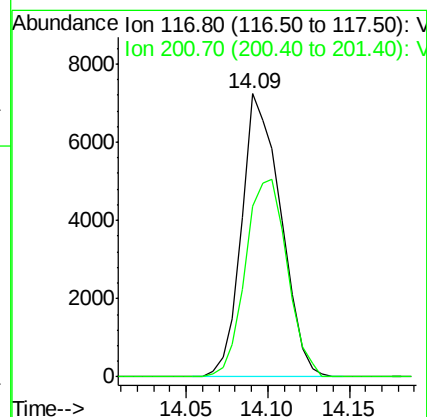
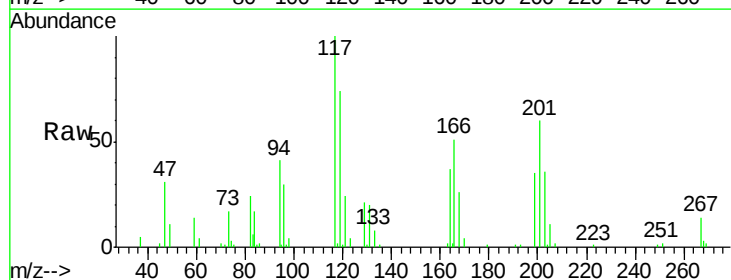
Acq: 04 Jan 2019 12:50

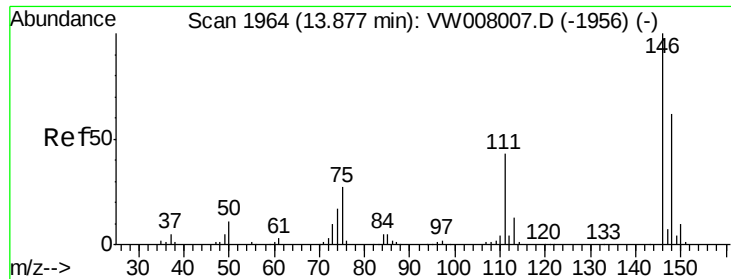
Tgt Ion: 117 Resp: 12042

Ion Ratio Lower Upper

117 100

201 74.8 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 20.245 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBSD01

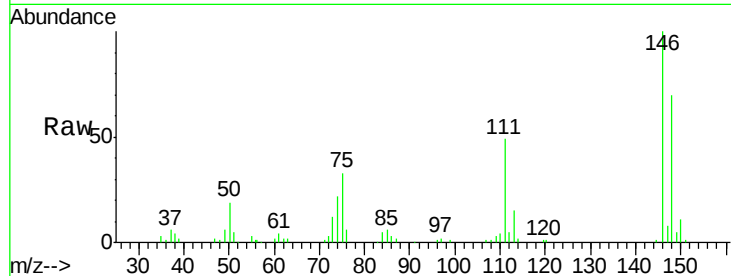
Tot Ion:146 Resp: 29554

Ion Ratio Lower Upper

146 100

111 47.0 22.6 67.7

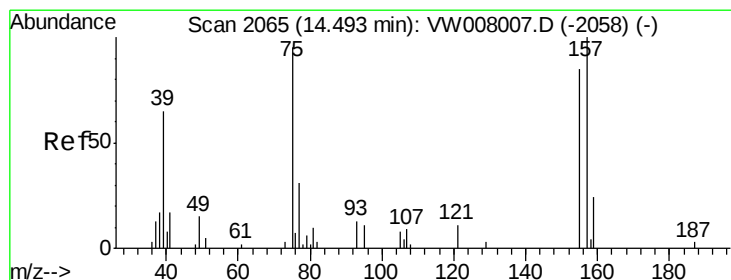
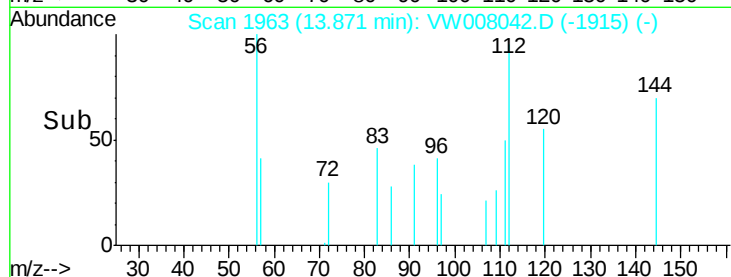
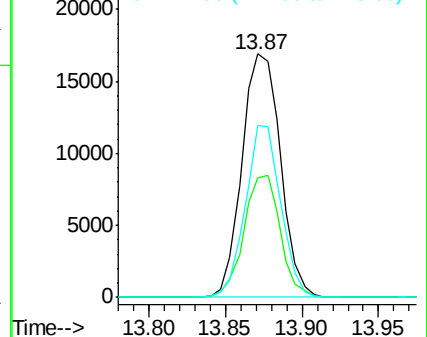
148 64.6 32.1 96.3



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: 21.522 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW008042.D

Acq: 04 Jan 2019 12:50

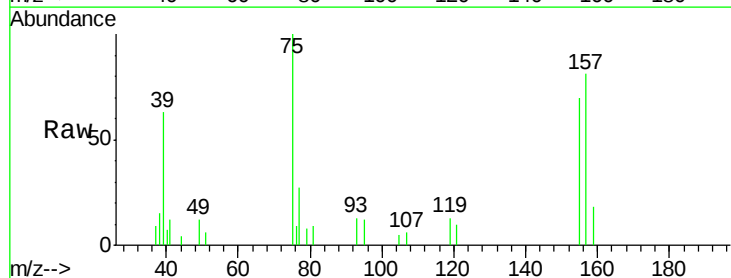
Tgt Ion: 75 Resp: 2129

Ion Ratio Lower Upper

75 100

155 80.6 42.4 127.1

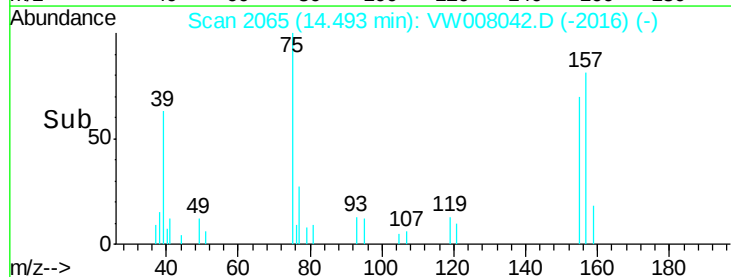
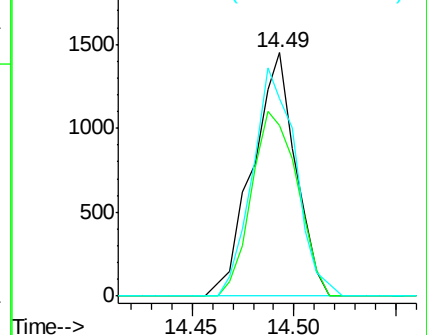
157 94.2 52.3 156.8

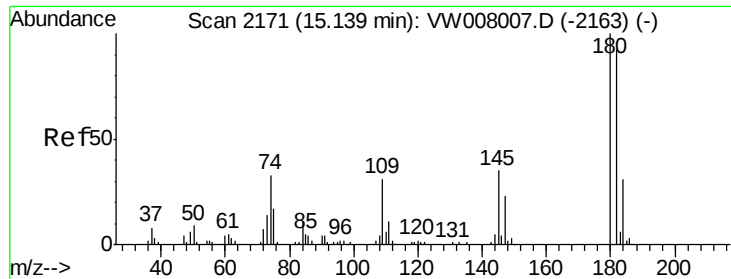


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

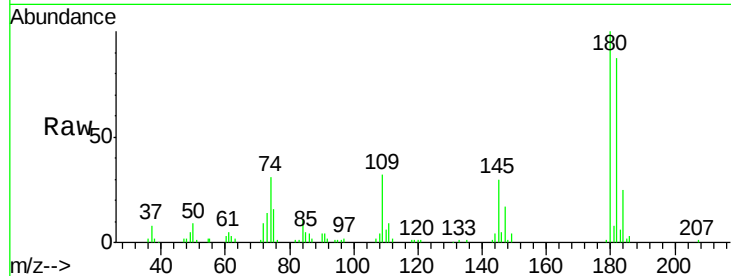




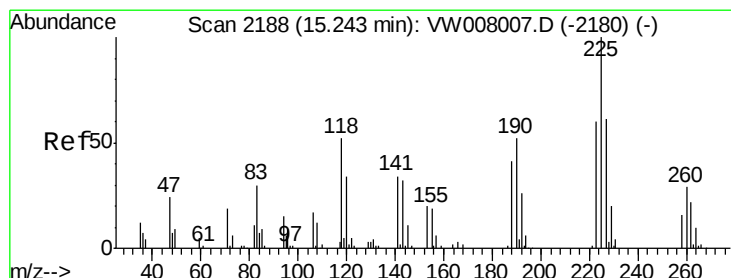
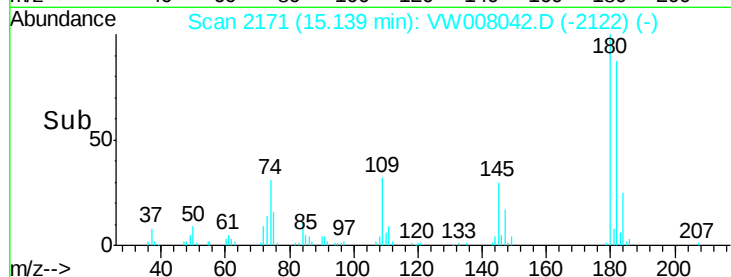
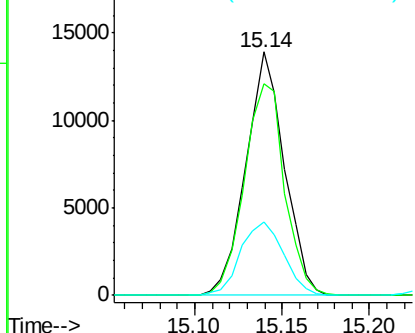
#93
1,2,4-Trichlorobenzene
Concen: 20.720 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

Tot Ion:180 Resp: 21244
Ion Ratio Lower Upper
180 100
182 91.4 46.6 139.8
145 33.5 17.2 51.6

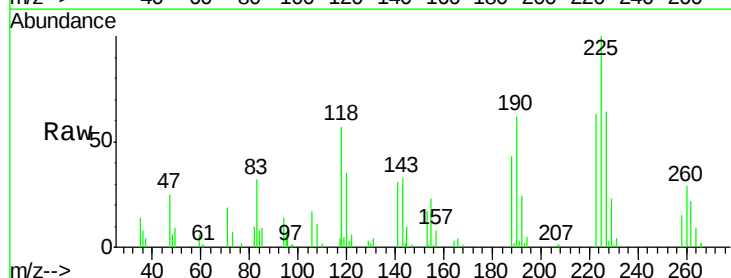


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

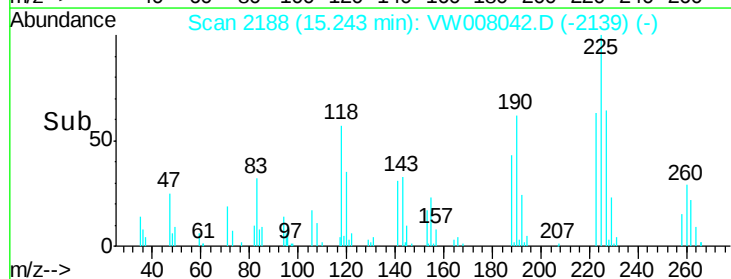
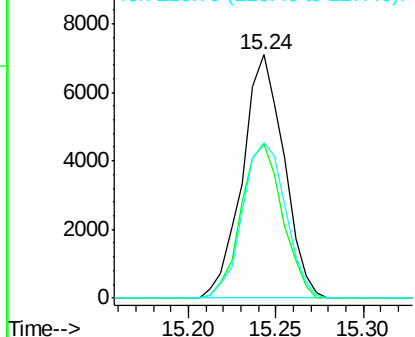


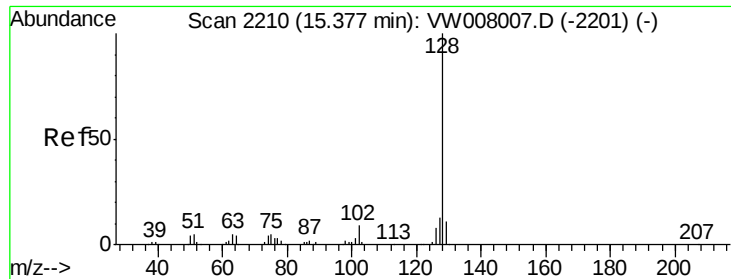
#94
Hexachlorobutadiene
Concen: 19.796 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion:225 Resp: 11719
Ion Ratio Lower Upper
225 100
223 63.3 30.6 92.0
227 66.4 31.3 93.8



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

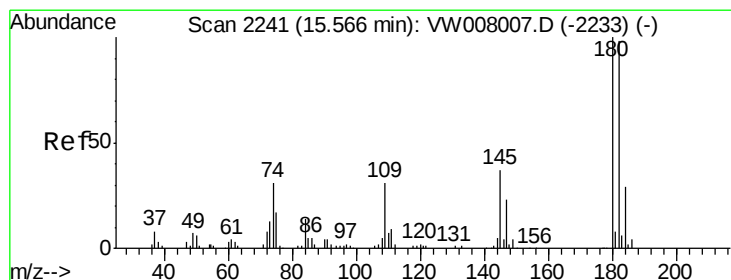
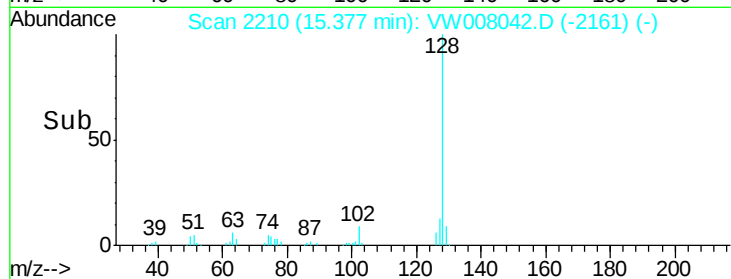
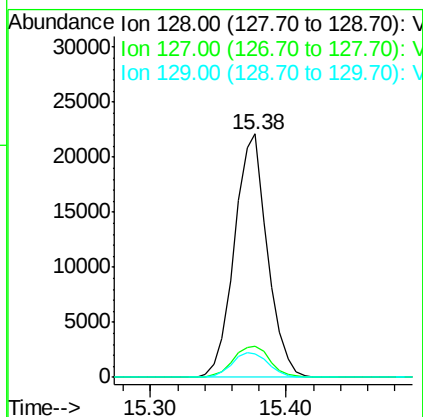
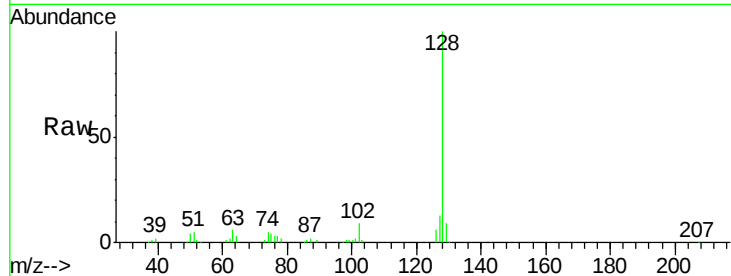




#95
Naphthalene
Concen: 21.357 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBSD01

Tot Ion:128 Resp: 37294
Ion Ratio Lower Upper
128 100
127 14.1 10.8 16.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.731 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008042.D
Acq: 04 Jan 2019 12:50

Tgt Ion:180 Resp: 17489
Ion Ratio Lower Upper
180 100
182 98.5 47.9 143.8
145 37.8 18.7 56.1

