

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
 Data File : VW008096.D
 Acq On : 09 Jan 2019 12:11
 Operator : SY/AP
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Quant Time: Jan 10 05:55:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	93871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	159690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	144940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69739	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	45873	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	7.88	113	43829	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
50) Toluene-d8	10.32	98	184856	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.62	95	63230	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13933	18.187	ug/l	99
3) Chloromethane	2.21	50	19656	19.776	ug/l	96
4) Vinyl Chloride	2.37	62	25204	19.430	ug/l	96
5) Bromomethane	2.79	94	17858	18.377	ug/l	96
6) Chloroethane	2.93	64	18483	18.935	ug/l	95
7) Trichlorofluoromethane	3.26	101	18908	17.929	ug/l	93
8) Diethyl Ether	3.68	74	11282	18.924	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20552	19.628	ug/l	99
10) Methyl Iodide	4.26	142	29333	19.222	ug/l	99
11) Tert butyl alcohol	5.21	59	5131	58.563	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	19744	19.206	ug/l	99
13) Acrolein	3.89	56	5337	74.935	ug/l	98
14) Allyl chloride	4.67	41	35940	19.256	ug/l	95
15) Acrylonitrile	5.37	53	20301	89.440	ug/l	98
16) Acetone	4.14	43	21241	99.253	ug/l	98
17) Carbon Disulfide	4.37	76	60684	18.897	ug/l	99
18) Methyl Acetate	4.68	43	11827	17.737	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	30834	18.450	ug/l	95
20) Methylene Chloride	4.90	84	25884	22.250	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	20927	18.733	ug/l	95
22) Diisopropyl ether	6.31	45	69760	19.598	ug/l	98
23) Vinyl Acetate	6.26	43	178833	95.659	ug/l	99
24) 1,1-Dichloroethane	6.21	63	40103	19.336	ug/l	100
25) 2-Butanone	7.18	43	28032	95.496	ug/l	99
26) 2,2-Dichloropropane	7.17	77	26737	19.026	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	22310	18.304	ug/l	97
28) Bromochloromethane	7.51	49	15538	18.941	ug/l #	18
29) Tetrahydrofuran	7.54	42	17069	87.050	ug/l	96
30) Chloroform	7.67	83	37184	18.835	ug/l	95
31) Cyclohexane	7.96	56	40870	18.408	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	31663	18.433	ug/l	97
36) 1,1-Dichloropropene	8.08	75	31753	19.303	ug/l	99
37) Ethyl Acetate	7.26	43	12573	19.078	ug/l	98
38) Carbon Tetrachloride	8.07	117	29157	19.366	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39712	19.039	ug/l	95
40) Benzene	8.32	78	88215	19.772	ug/l	98
41) Methacrylonitrile	7.49	41	7598	18.251	ug/l	92
42) 1,2-Dichloroethane	8.40	62	23872	19.024	ug/l	100
43) Isopropyl Acetate	8.43	43	24617	18.683	ug/l	98
44) Trichloroethene	9.09	130	21616	18.926	ug/l	98
45) 1,2-Dichloropropane	9.37	63	22010	19.895	ug/l	95
46) Dibromomethane	9.46	93	10255	18.875	ug/l	96
47) Bromodichloromethane	9.65	83	26123	18.936	ug/l #	98
48) Methyl methacrylate	9.44	41	11519	18.527	ug/l	100
49) 1,4-Dioxane	9.48	88	2815	322.180	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	59139	92.722	ug/l	99
52) Toluene	10.39	92	54710	19.201	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	27360	19.066	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	32694	19.213	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	14550	19.074	ug/l	97
56) Ethyl methacrylate	10.65	69	16978	17.973	ug/l	94
57) 1,3-Dichloropropane	10.93	76	25783	18.482	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	49295	101.022	ug/l	98
59) 2-Hexanone	10.97	43	41267	95.676	ug/l	98
60) Dibromochloromethane	11.13	129	15714	18.760	ug/l	98
61) 1,2-Dibromoethane	11.23	107	13576	18.757	ug/l	99
64) Tetrachloroethene	10.86	164	17958	19.038	ug/l	98
65) Chlorobenzene	11.66	112	57952	18.873	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	18924	18.948	ug/l	97
67) Ethyl Benzene	11.73	91	106186	18.899	ug/l	97
68) m/p-Xylenes	11.84	106	80148	37.374	ug/l	99
69) o-Xylene	12.17	106	37477	18.872	ug/l	98
70) Styrene	12.18	104	58258	18.729	ug/l	99
71) Bromoform	12.35	173	8176	18.291	ug/l #	96
73) Isopropylbenzene	12.47	105	103334	18.873	ug/l	100
74) N-amyl acetate	12.27	43	22649	18.680	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	16074	18.341	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	21912	34.467	ug/l	28
77) Bromobenzene	12.75	156	22786	19.696	ug/l	92
78) n-propylbenzene	12.80	91	127713	19.037	ug/l	100
79) 2-Chlorotoluene	12.90	91	70135	18.739	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	85708	19.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4934	18.073	ug/l	97
82) 4-Chlorotoluene	12.99	91	74193	18.822	ug/l	100
83) tert-Butylbenzene	13.21	119	74691	18.764	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	86674	18.678	ug/l	100
85) sec-Butylbenzene	13.39	105	109957	18.858	ug/l	99
86) p-Isopropyltoluene	13.51	119	96043	19.075	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	46057	19.626	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	45491	19.321	ug/l	97
89) n-Butylbenzene	13.83	91	93208	18.901	ug/l	99
90) Hexachloroethane	14.10	117	16018	18.835	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	39302	19.056	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2520	17.868	ug/l	96

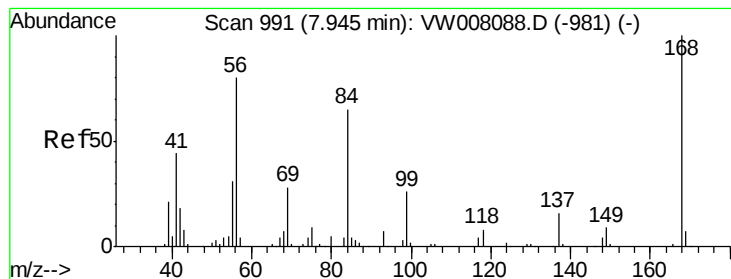
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010919\
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26311	19.215	ug/l	96
94) Hexachlorobutadiene	15.24	225	15055	20.541	ug/l	99
95) Naphthalene	15.38	128	45061	17.624	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	21781	18.659	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

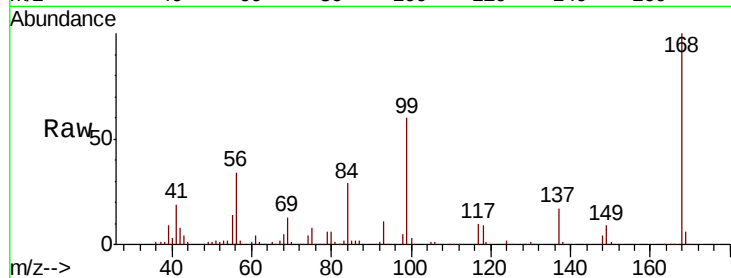
VW0109SBS01

Tgt Ion: 168 Resp: 93871

Ion Ratio Lower Upper

168 100

99 60.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW008088.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW008088.D (-981) (-)

7.95

50000

40000

30000

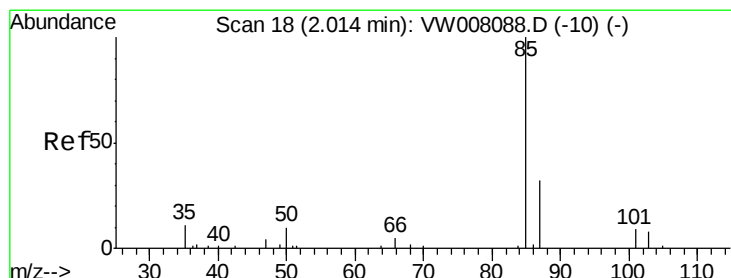
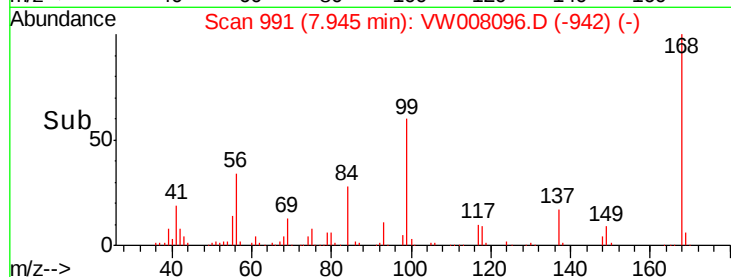
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.187 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008096.D

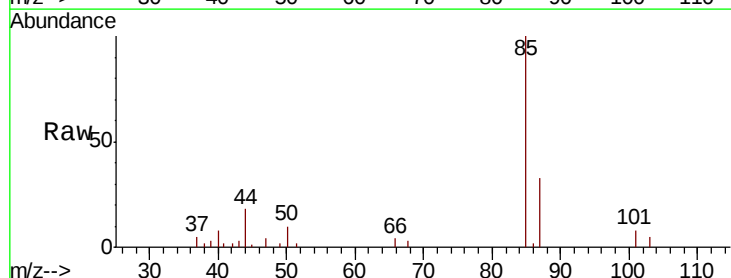
Acq: 09 Jan 2019 12:11

Tgt Ion: 85 Resp: 13933

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW008088.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW008088.D (-10) (-)

2.01

5000

4000

3000

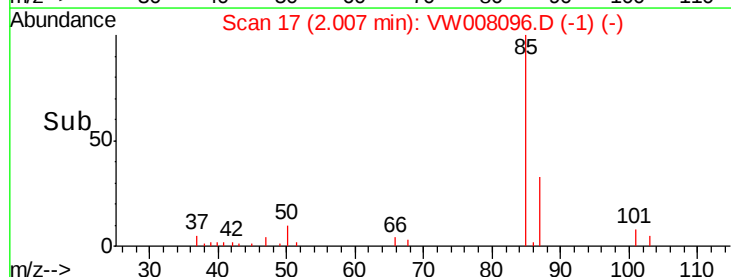
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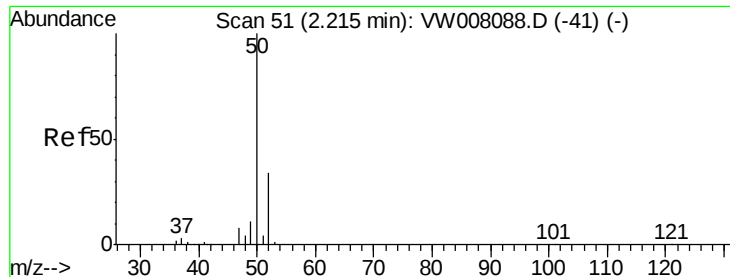
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.776 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

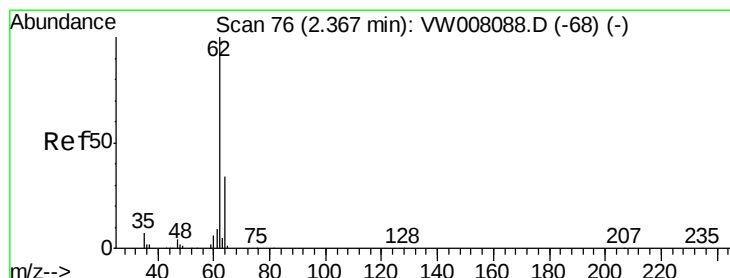
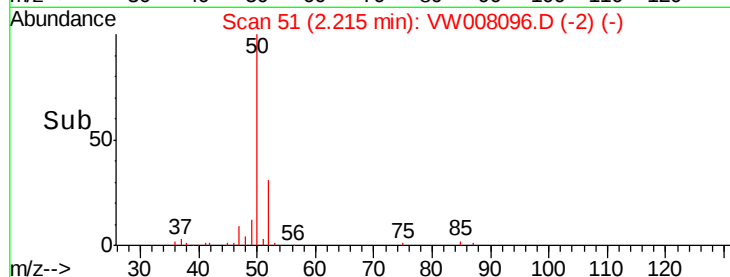
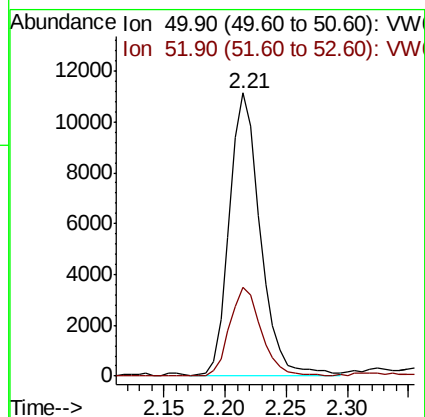
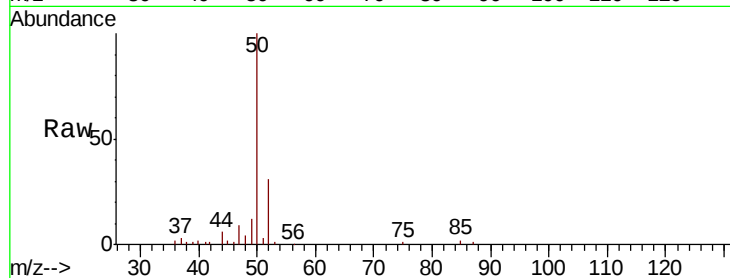
VW0109SBS01

Tgt Ion: 50 Resp: 19656

Ion Ratio Lower Upper

50 100

52 31.5 26.8 40.2



#4

Vinyl Chloride

Concen: 19.430 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008096.D

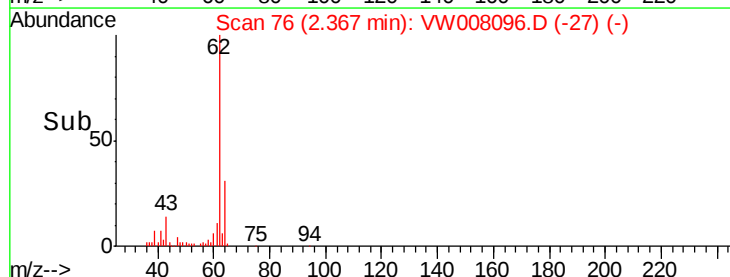
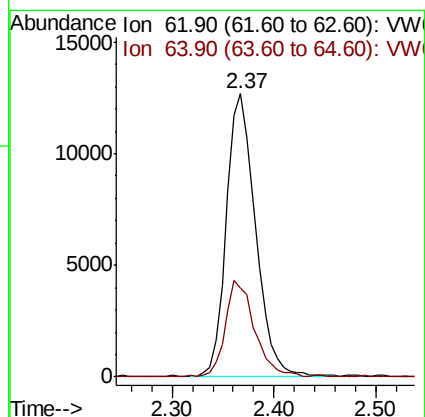
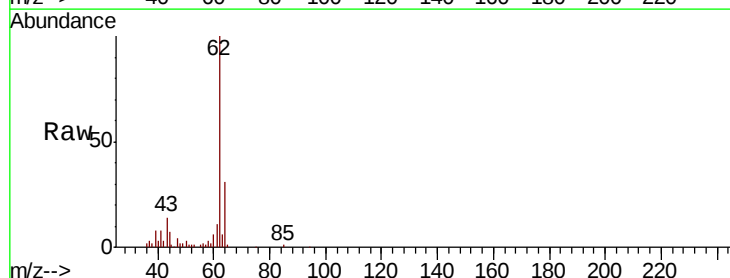
Acq: 09 Jan 2019 12:11

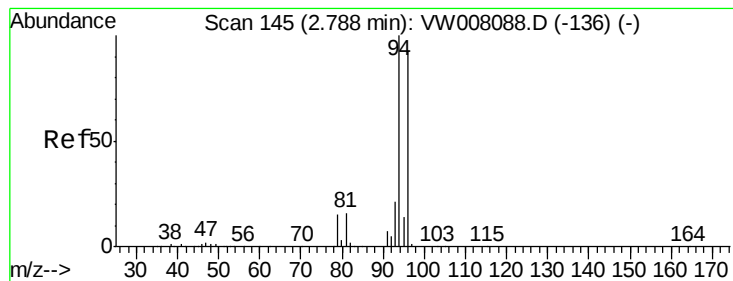
Tgt Ion: 62 Resp: 25204

Ion Ratio Lower Upper

62 100

64 31.4 27.0 40.6





#5

Bromomethane

Concen: 18.377 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

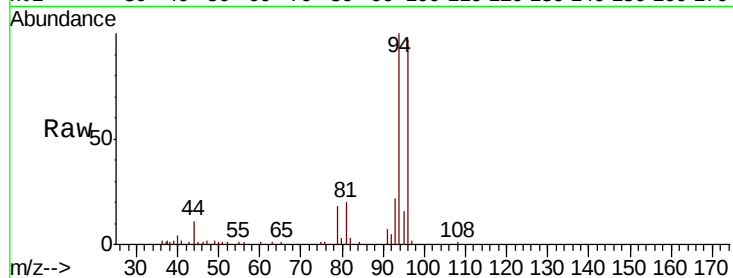
VW0109SBS01

Tgt Ion: 94 Resp: 17858

Ion Ratio Lower Upper

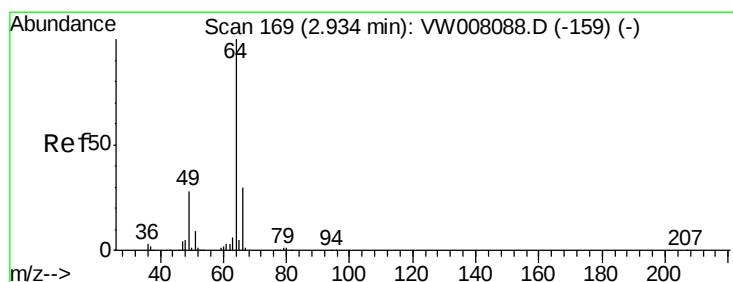
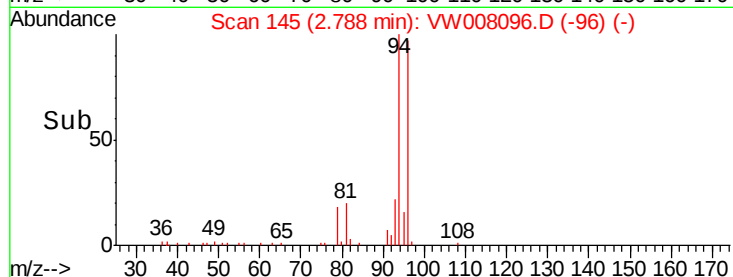
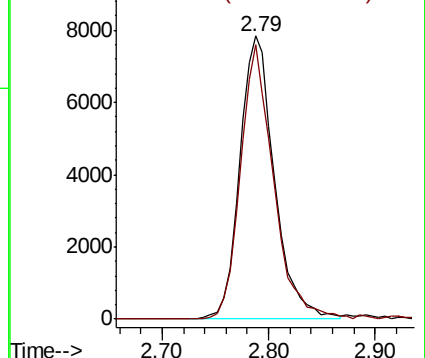
94 100

96 96.9 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.935 ug/l

RT: 2.93 min Scan# 169

Delta R.T. -0.00 min

Lab File: VW008096.D

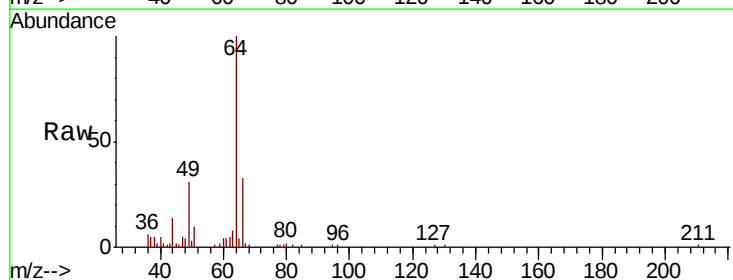
Acq: 09 Jan 2019 12:11

Tgt Ion: 64 Resp: 18483

Ion Ratio Lower Upper

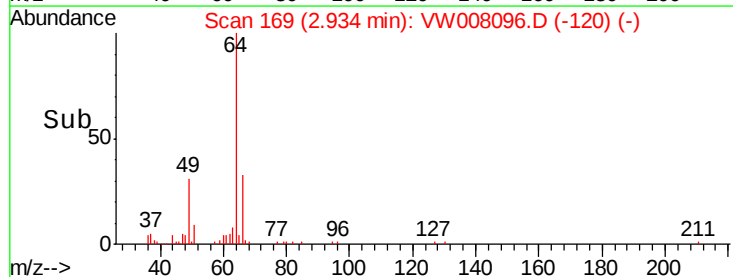
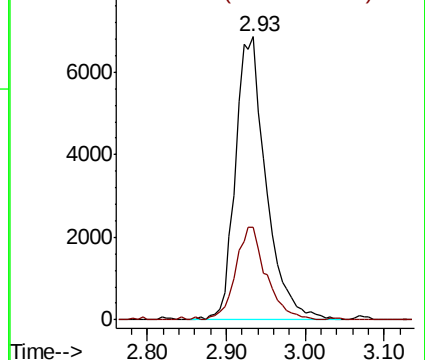
64 100

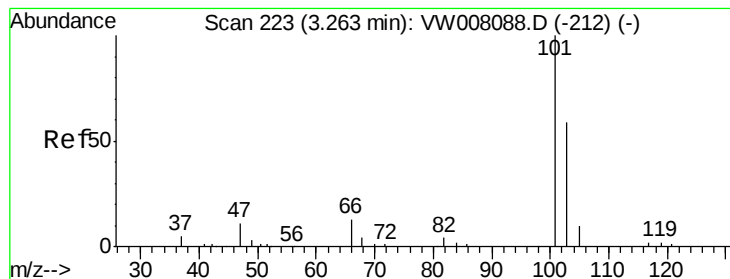
66 32.8 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



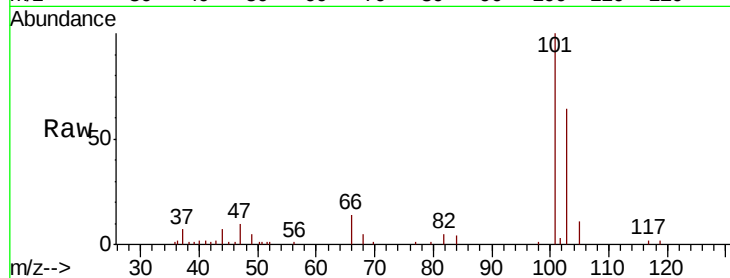


#7

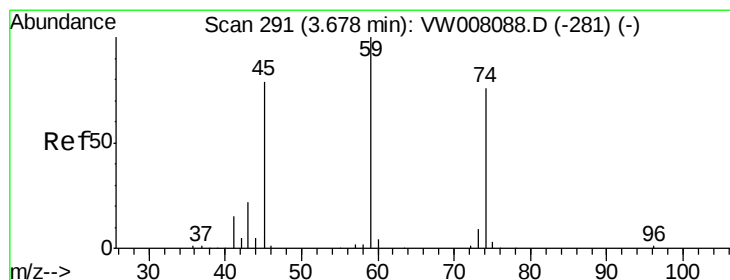
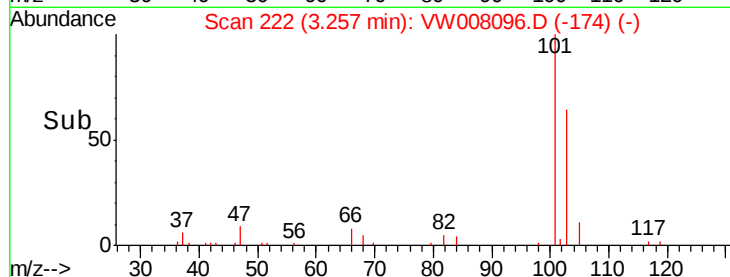
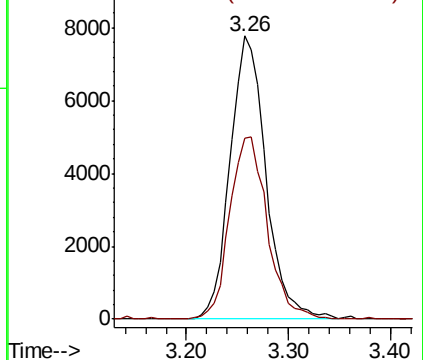
Trichlorofluoromethane
 Concen: 17.929 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tgt Ion: 101 Resp: 18908
 Ion Ratio Lower Upper
 101 100
 103 63.9 47.0 70.6



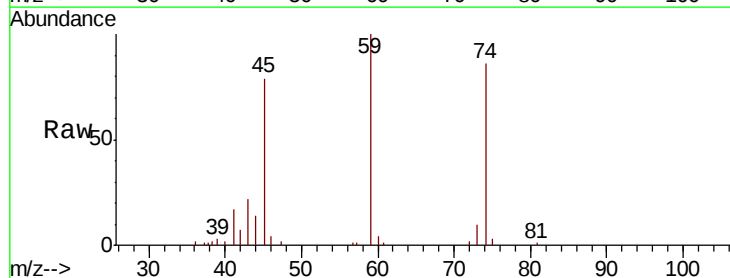
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



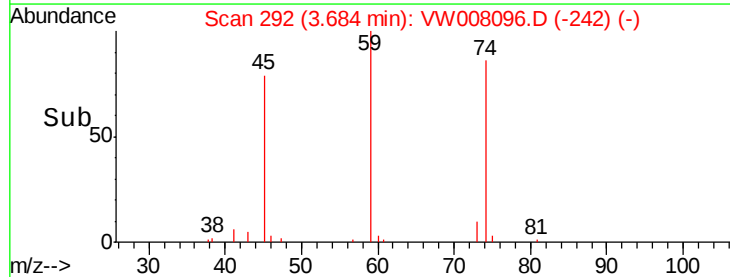
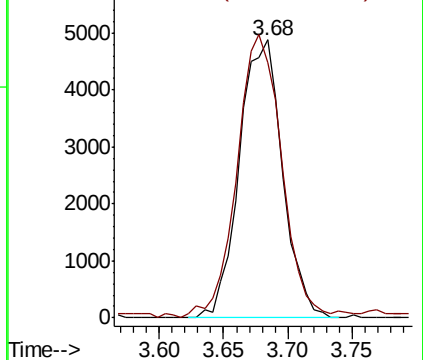
#8

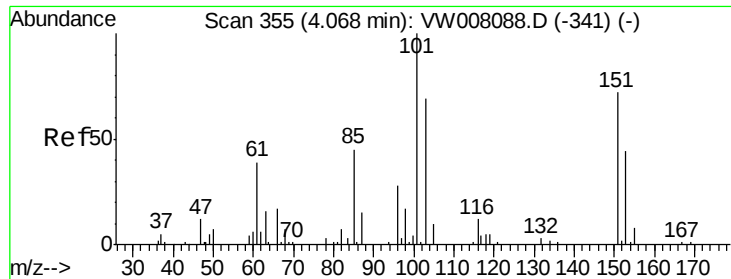
Diethyl Ether
 Concen: 18.924 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 74 Resp: 11282
 Ion Ratio Lower Upper
 74 100
 45 105.8 52.4 157.3



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: 19.628 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

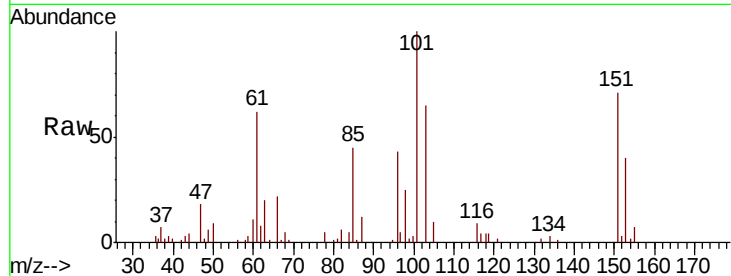
Tgt Ion:101 Resp: 20552

Ion Ratio Lower Upper

101 100

85 43.8 35.9 53.9

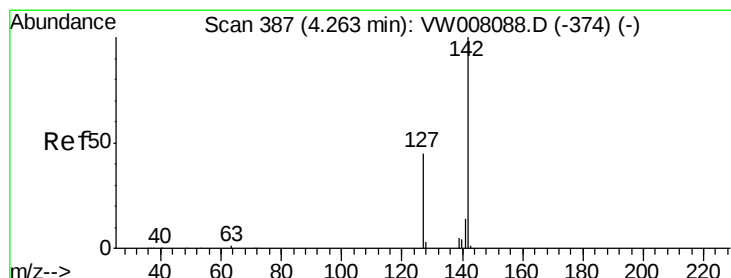
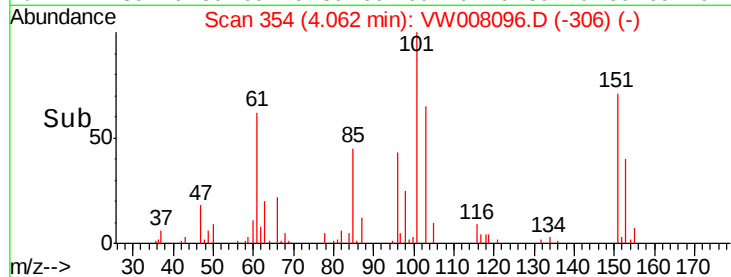
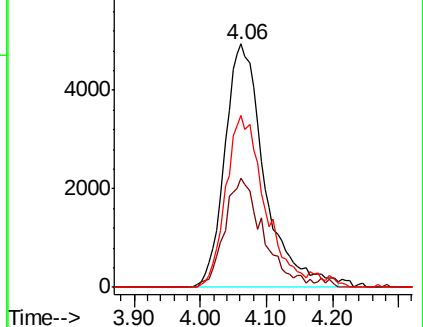
151 68.8 55.8 83.8



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: 19.222 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

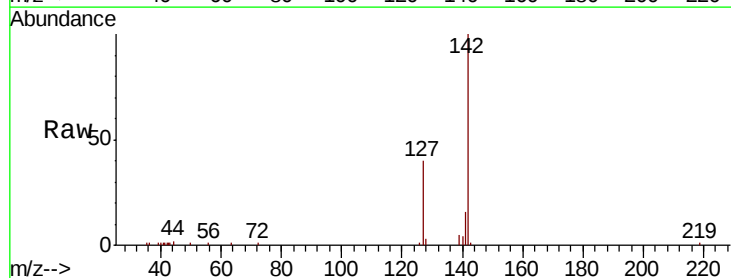
Tgt Ion:142 Resp: 29333

Ion Ratio Lower Upper

142 100

127 43.4 35.0 52.4

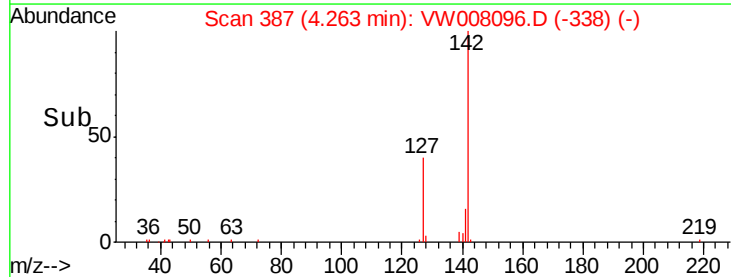
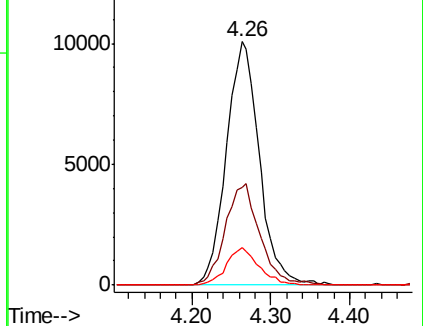
141 15.1 11.8 17.6

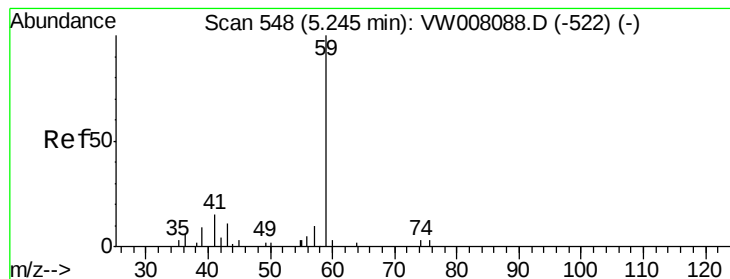


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 58.563 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.03 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampled :

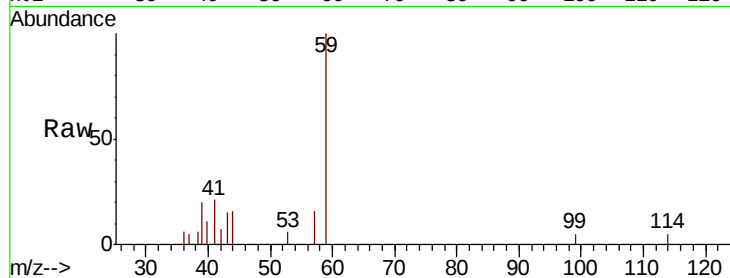
VW0109SBS01

Tgt Ion: 59 Resp: 5131

Ion Ratio Lower Upper

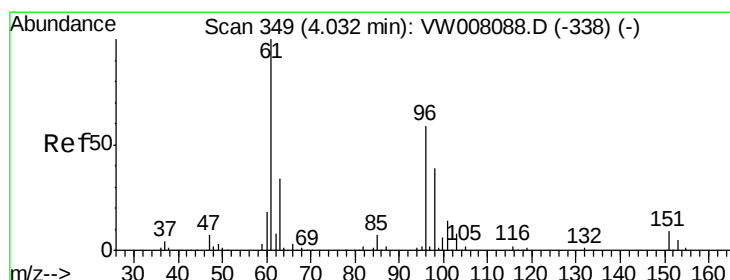
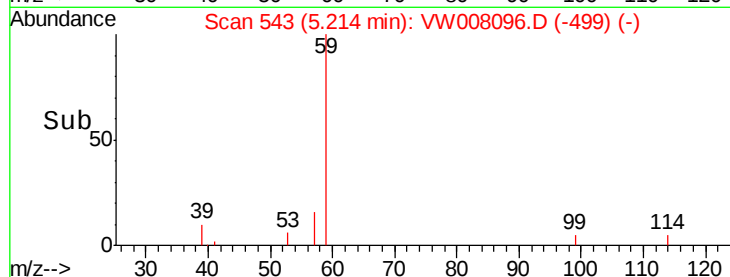
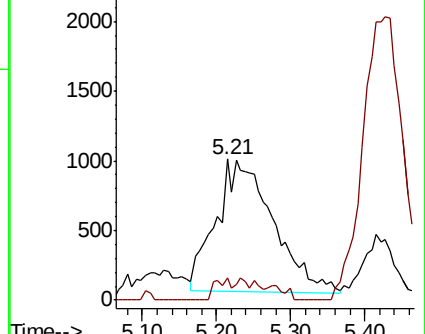
59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 19.206 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

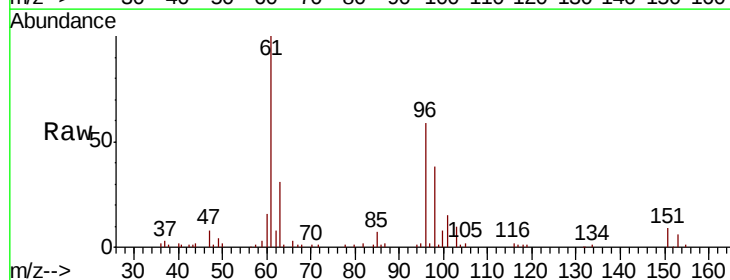
Tgt Ion: 96 Resp: 19744

Ion Ratio Lower Upper

96 100

61 169.1 135.4 203.2

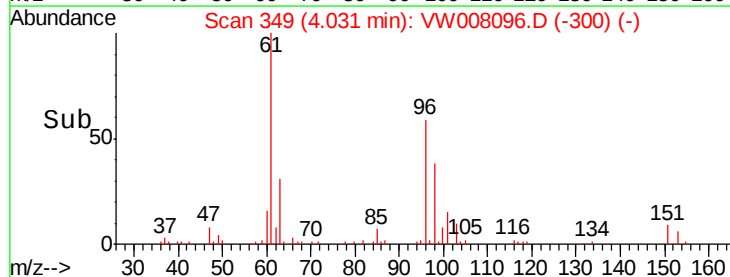
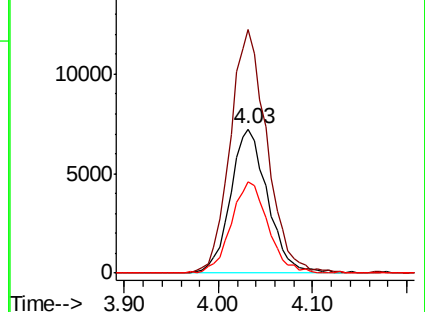
98 62.8 52.5 78.7

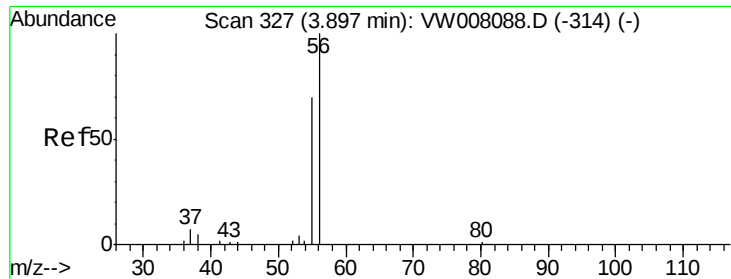


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 74.935 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

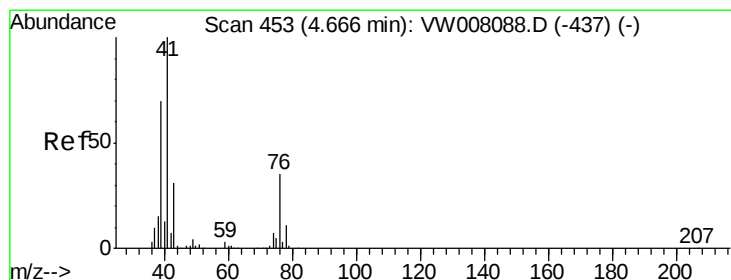
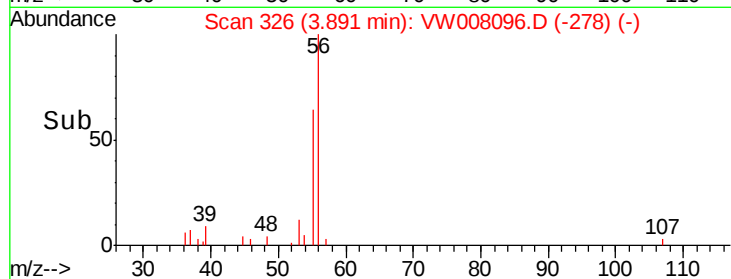
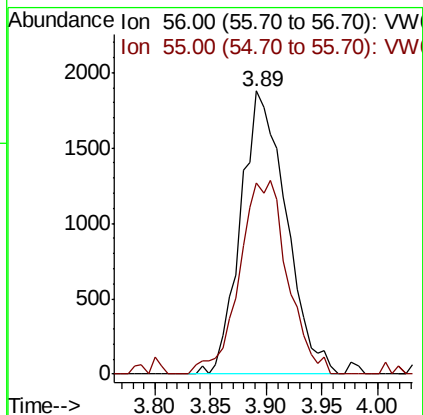
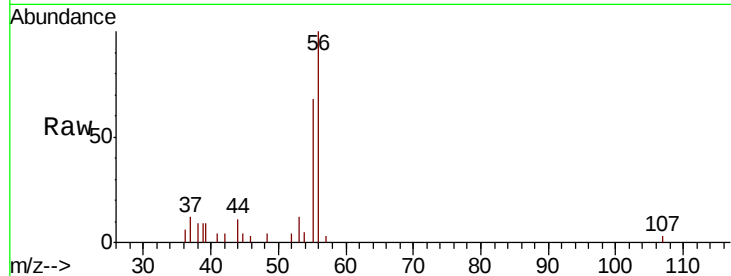
VW0109SBS01

Tgt Ion: 56 Resp: 5337

Ion Ratio Lower Upper

56 100

55 72.4 56.6 84.8



#14

Allyl chloride

Concen: 19.256 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

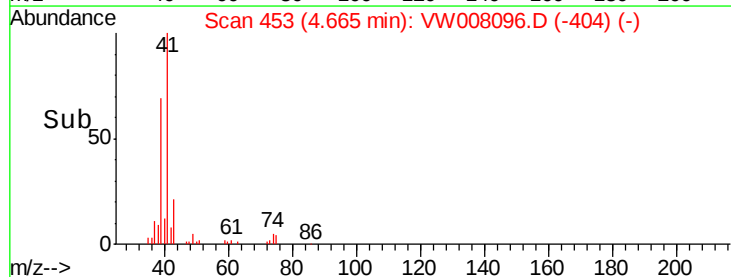
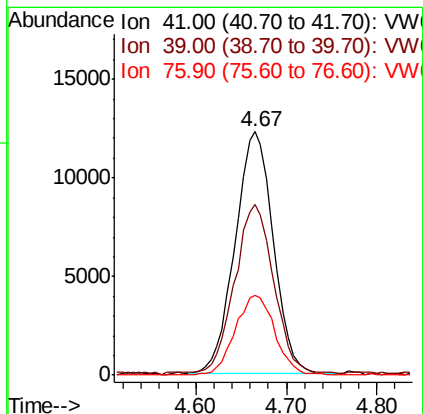
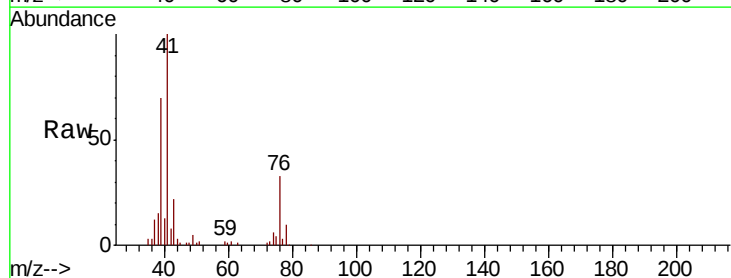
Tgt Ion: 41 Resp: 35940

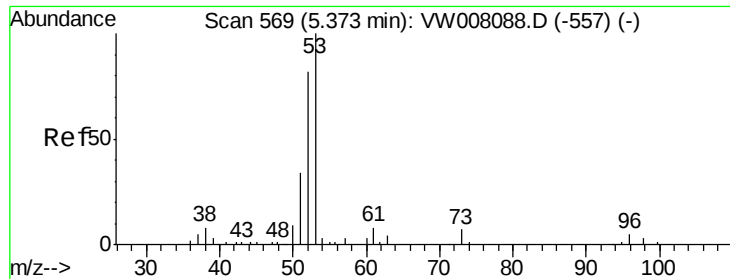
Ion Ratio Lower Upper

41 100

39 73.6 53.8 80.8

76 34.2 27.6 41.4





#15

Acrylonitrile

Concen: 89.440 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

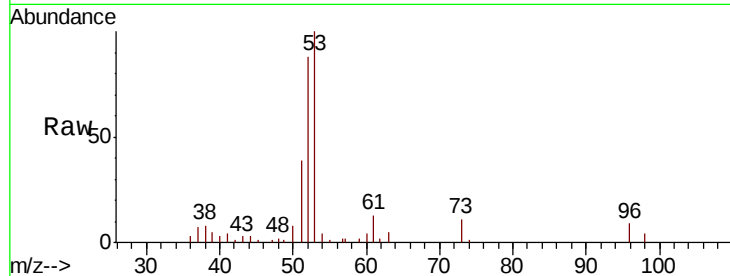
Tgt Ion: 53 Resp: 20301

Ion Ratio Lower Upper

53 100

52 83.9 66.8 100.2

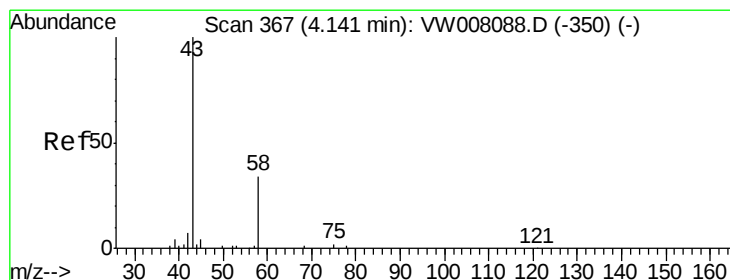
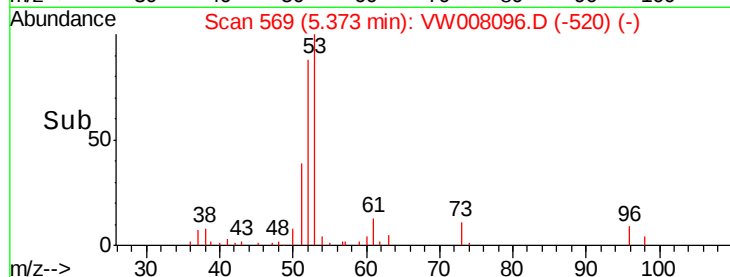
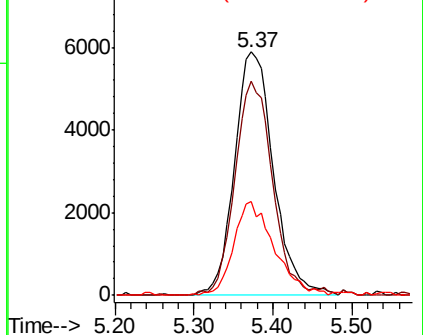
51 39.9 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 99.253 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008096.D

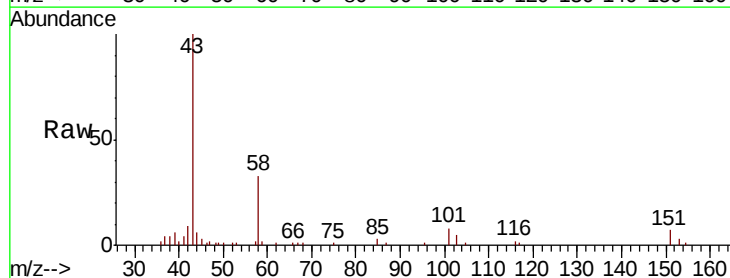
Acq: 09 Jan 2019 12:11

Tgt Ion: 43 Resp: 21241

Ion Ratio Lower Upper

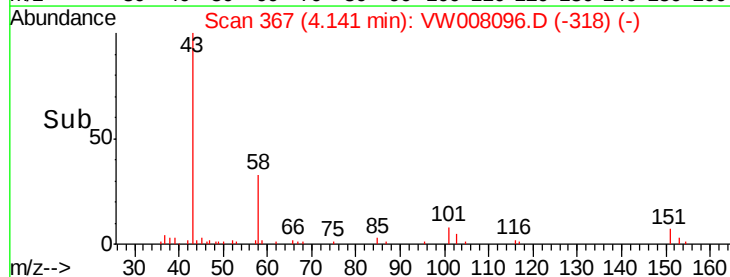
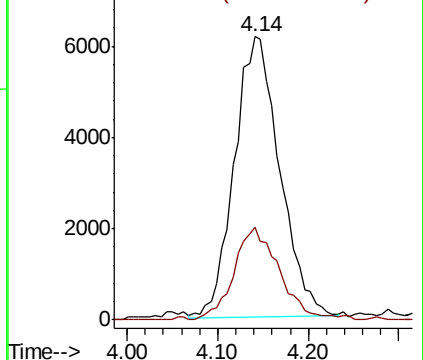
43 100

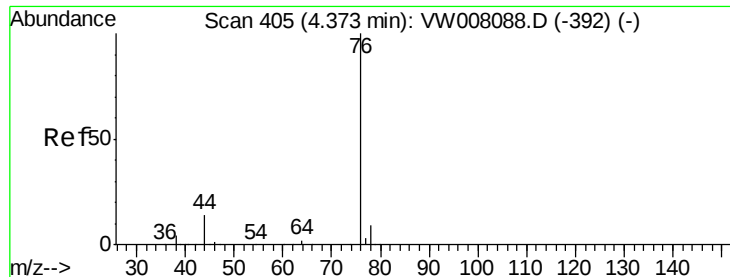
58 33.2 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

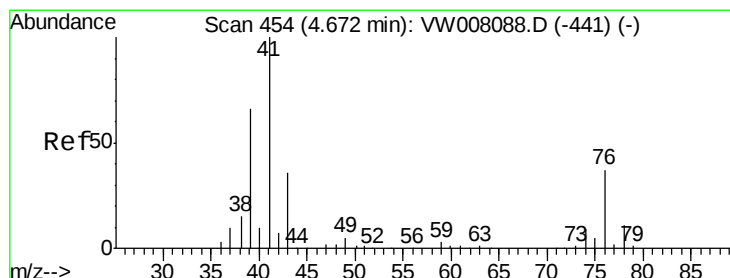
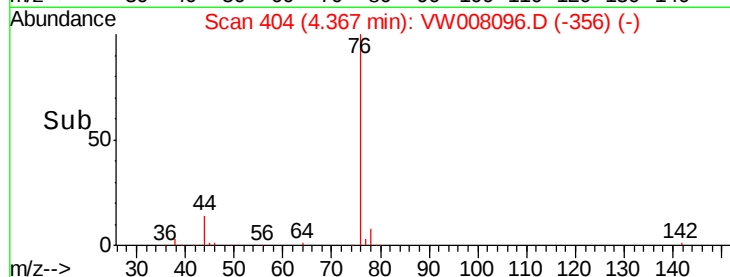
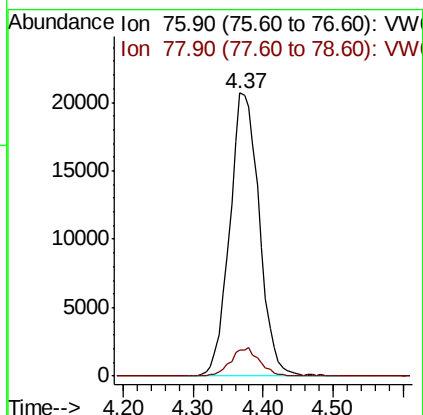
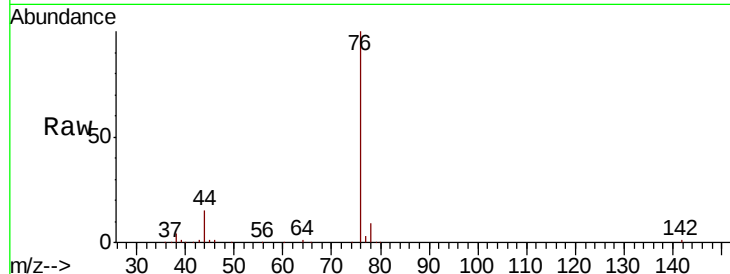




#17
Carbon Disulfide
Concen: 18.897 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

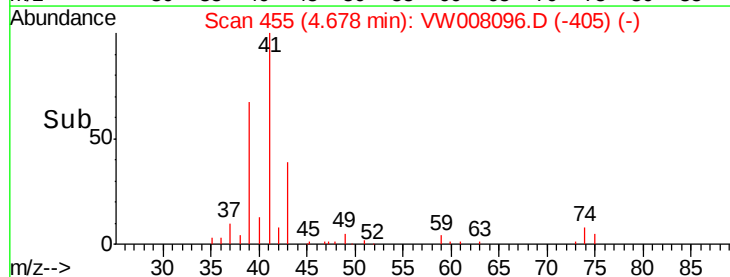
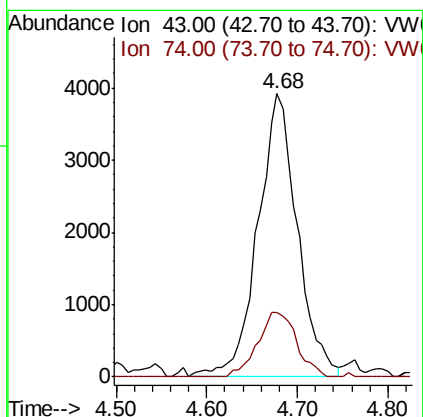
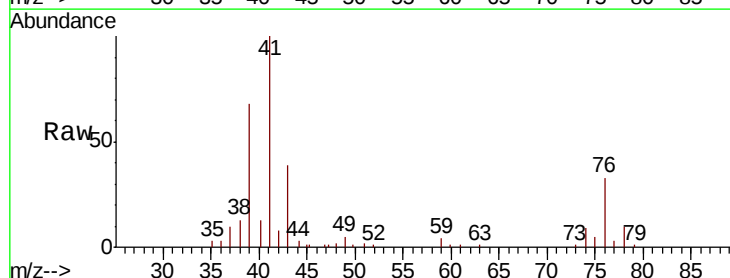
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tgt Ion: 76 Resp: 60684
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 17.737 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion: 43 Resp: 11827
Ion Ratio Lower Upper
43 100
74 22.4 19.0 28.4



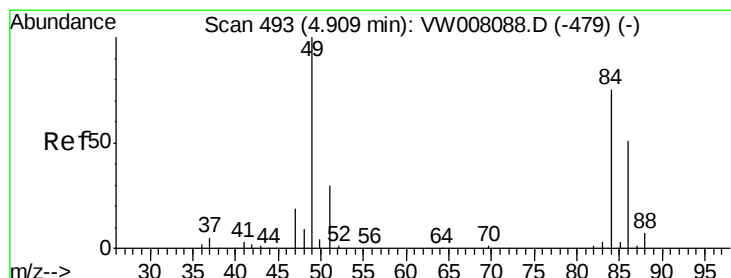
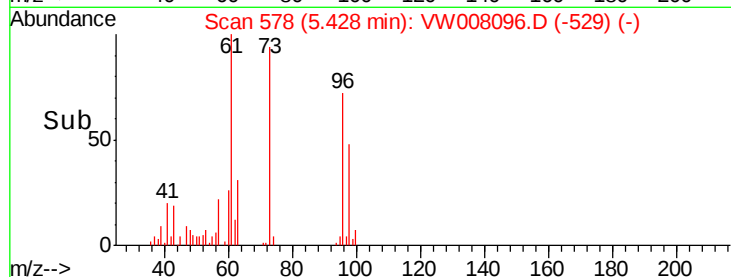
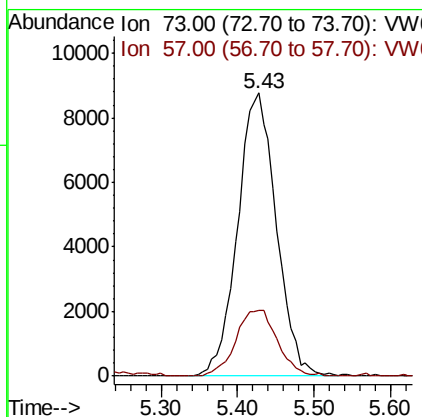
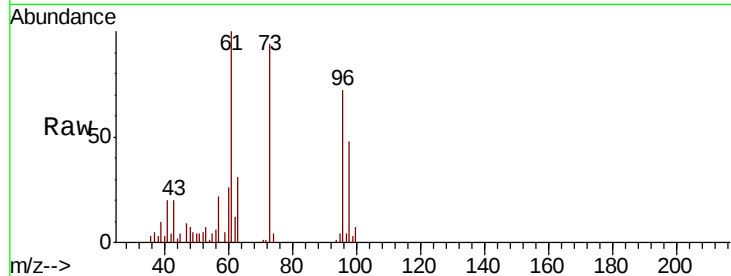


#19

Methyl tert-butyl Ether
 Concen: 18.450 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

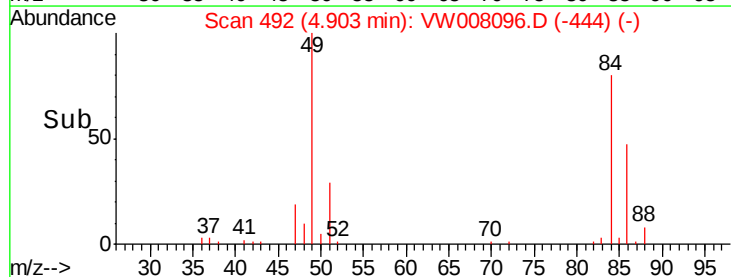
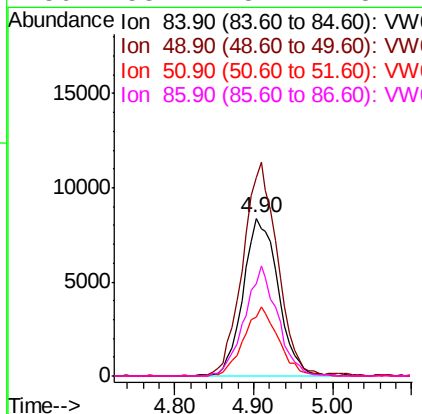
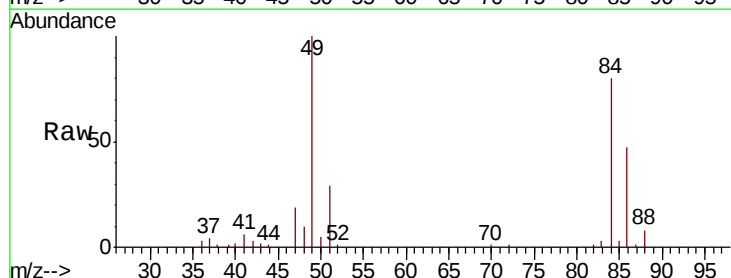
Tgt Ion: 73 Resp: 30834
 Ion Ratio Lower Upper
 73 100
 57 23.2 16.7 25.1

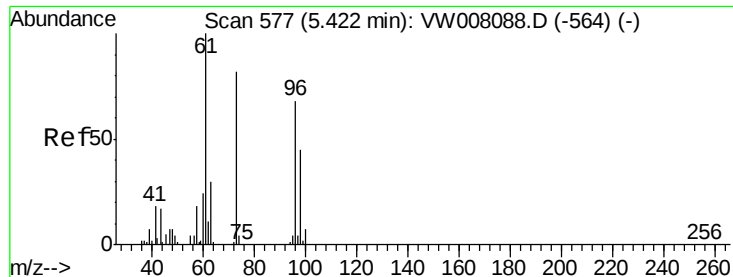


#20

Methylene Chloride
 Concen: 22.250 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 84 Resp: 25884
 Ion Ratio Lower Upper
 84 100
 49 125.2 107.1 160.7
 51 36.9 32.4 48.6
 86 58.4 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 18.733 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

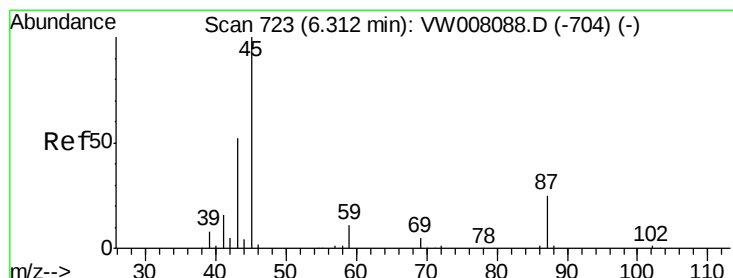
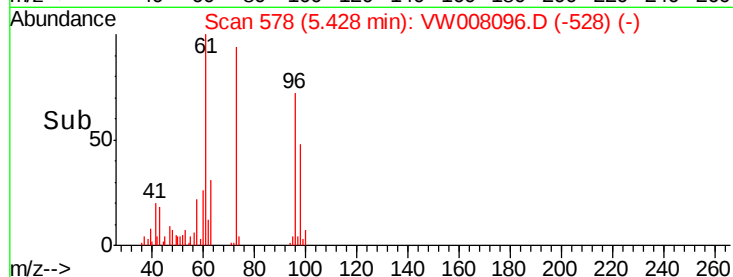
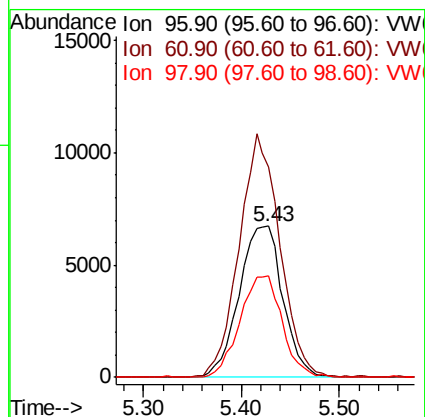
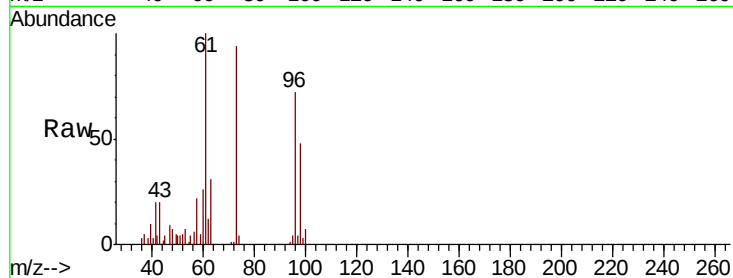
Tgt Ion: 96 Resp: 20927

Ion Ratio Lower Upper

96 100

61 138.7 117.4 176.0

98 66.8 52.2 78.4



#22

Diisopropyl ether

Concen: 19.598 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Tgt Ion: 45 Resp: 69760

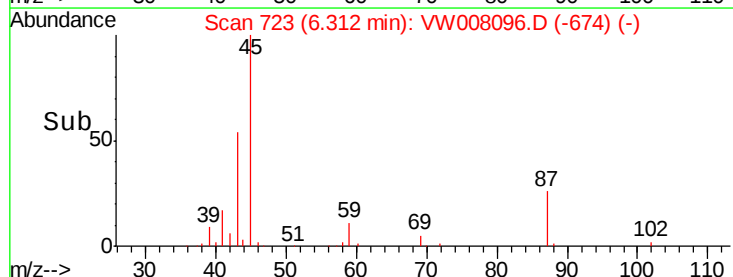
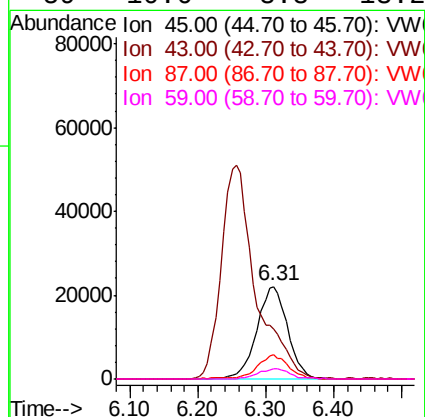
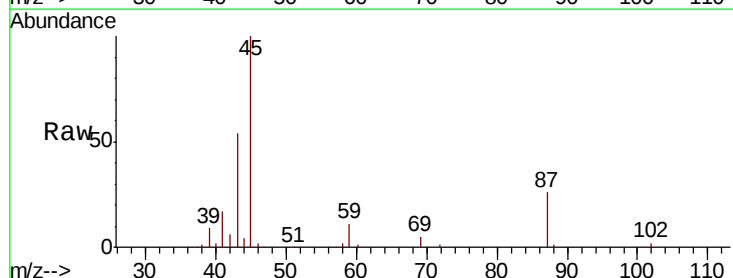
Ion Ratio Lower Upper

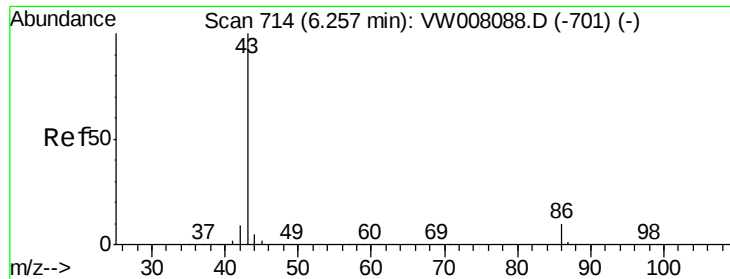
45 100

43 53.9 41.7 62.5

87 26.2 20.1 30.1

59 10.6 8.8 13.2





#23

Vinyl Acetate

Concen: 95.659 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

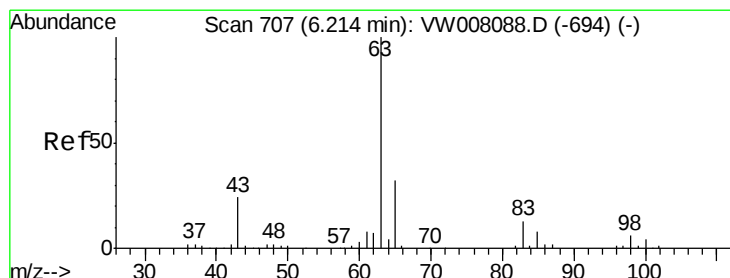
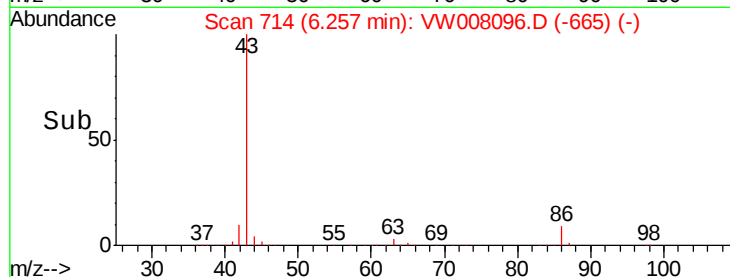
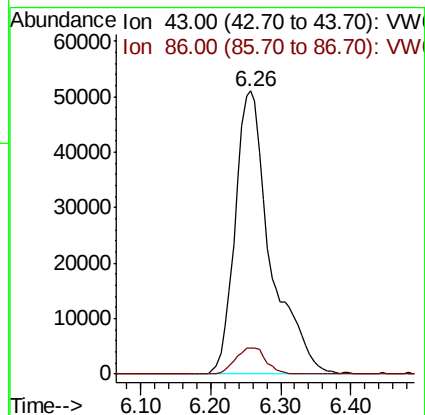
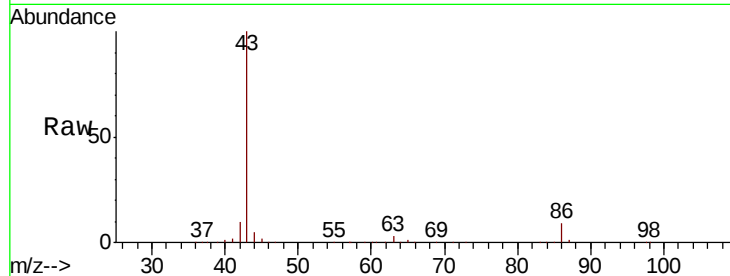
VW0109SBS01

Tgt Ion: 43 Resp: 178833

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



#24

1,1-Dichloroethane

Concen: 19.336 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

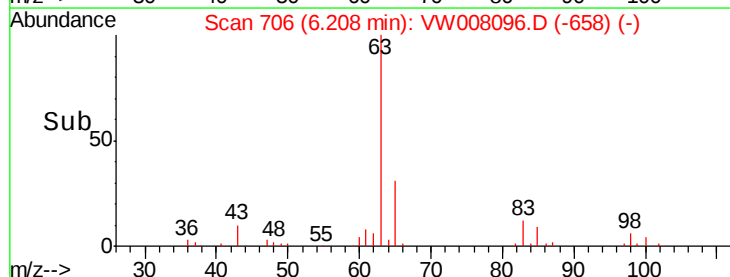
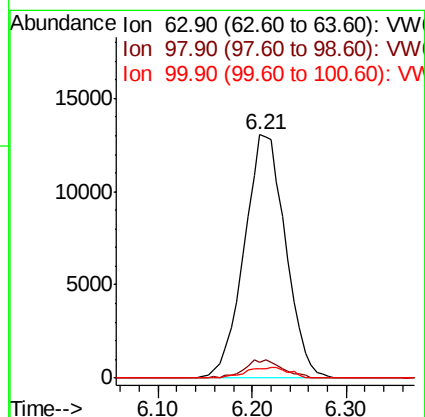
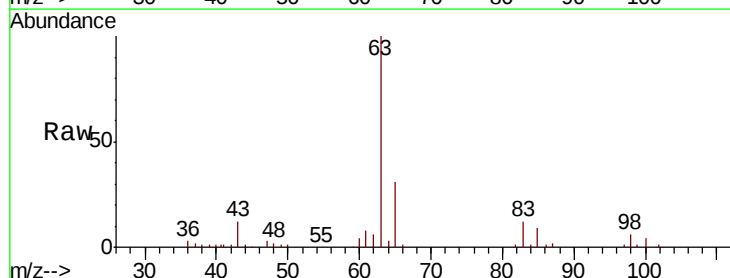
Tgt Ion: 63 Resp: 40103

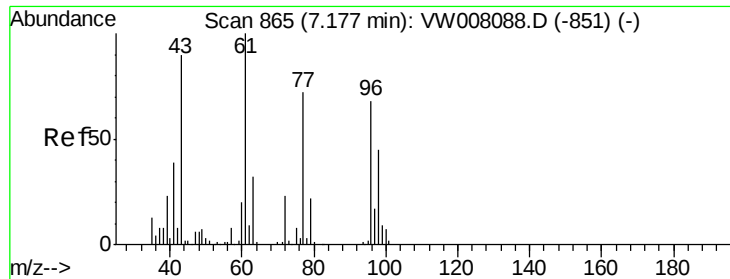
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 95.496 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

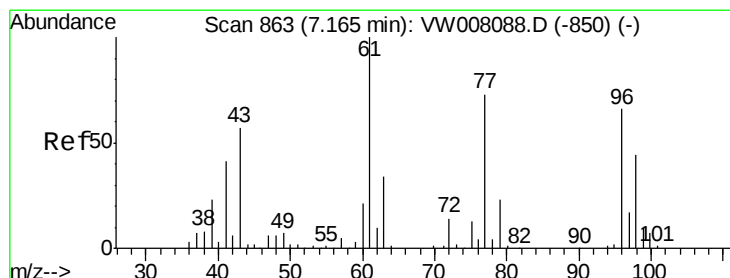
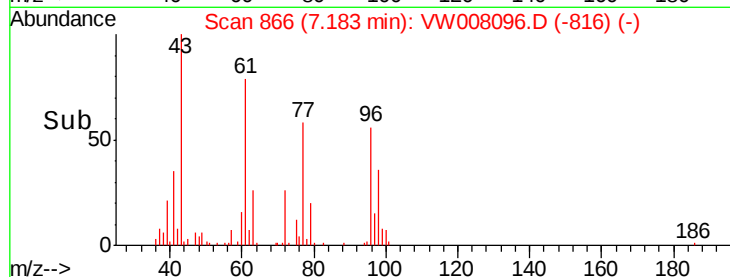
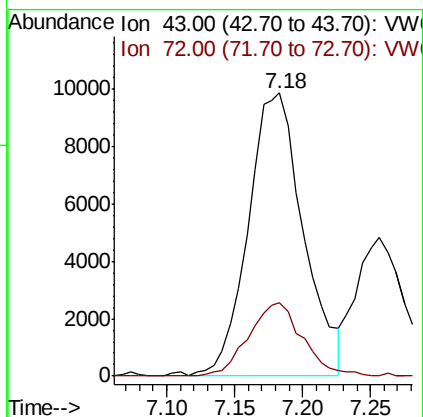
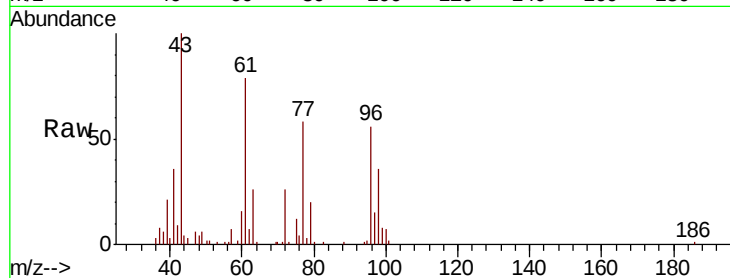
VW0109SBS01

Tgt Ion: 43 Resp: 28032

Ion Ratio Lower Upper

43 100

72 26.2 20.5 30.7



#26

2,2-Dichloropropane

Concen: 19.026 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008096.D

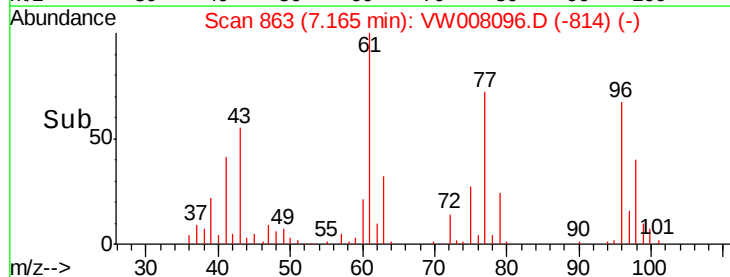
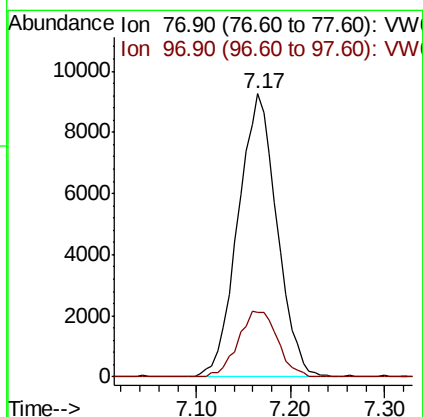
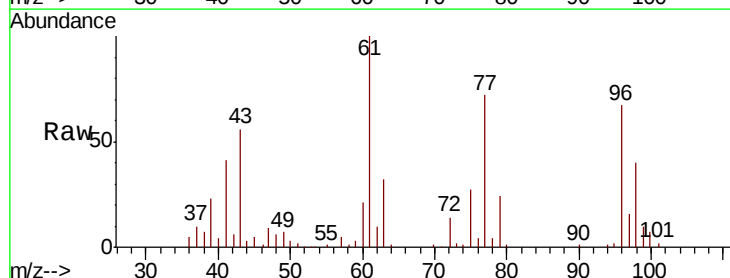
Acq: 09 Jan 2019 12:11

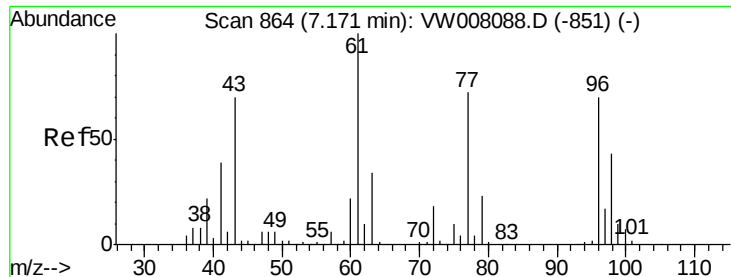
Tgt Ion: 77 Resp: 26737

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.1



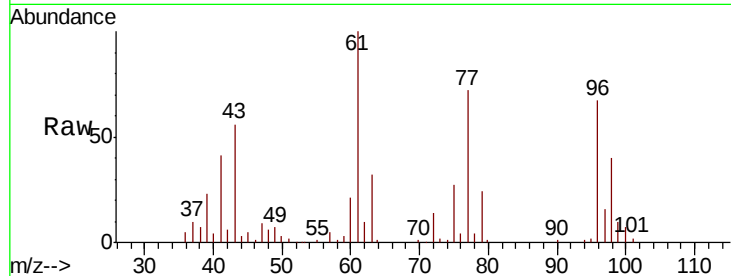


#27

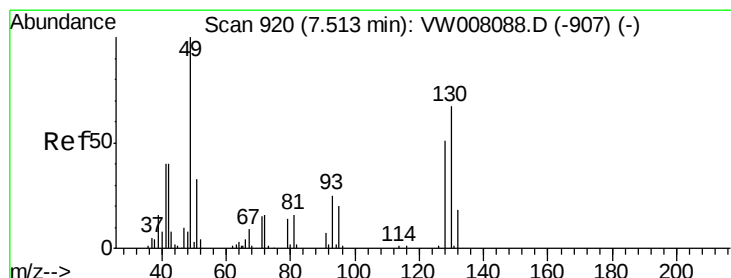
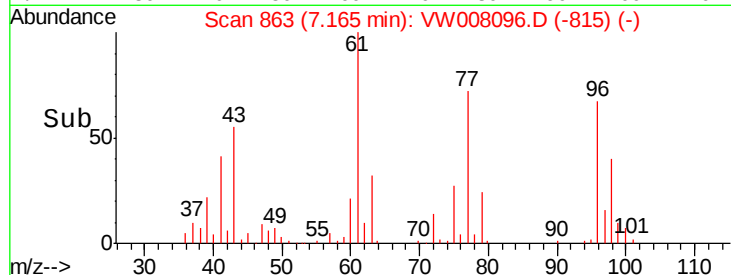
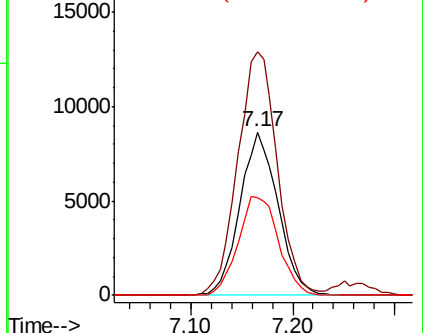
cis-1,2-Dichloroethene
 Concen: 18.304 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tgt Ion: 96 Resp: 22310
 Ion Ratio Lower Upper
 96 100
 61 155.7 0.0 300.4
 98 64.3 0.0 128.4



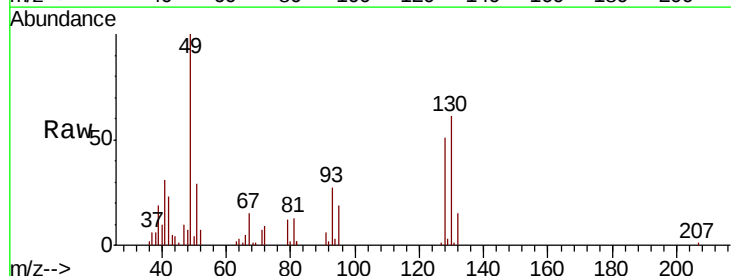
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



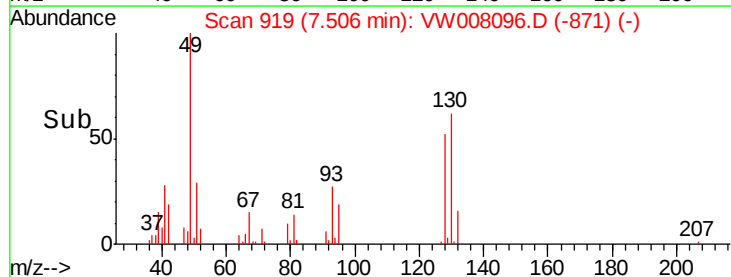
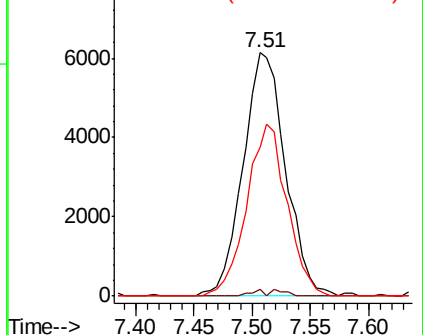
#28

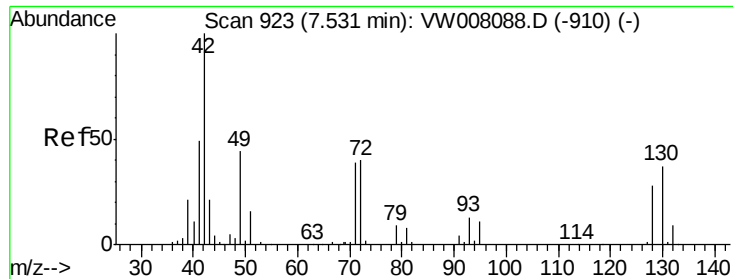
Bromochloromethane
 Concen: 18.941 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 49 Resp: 15538
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 2.8
 130 0.0 54.3 81.5#



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

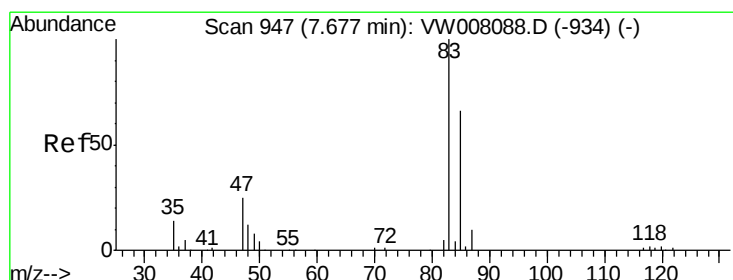
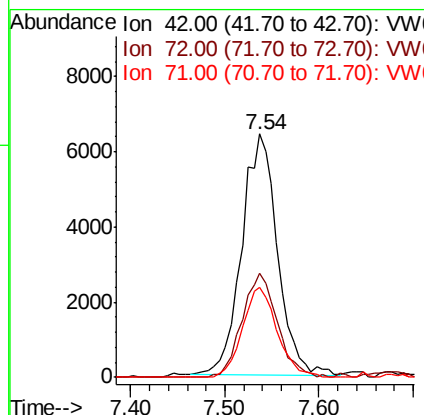
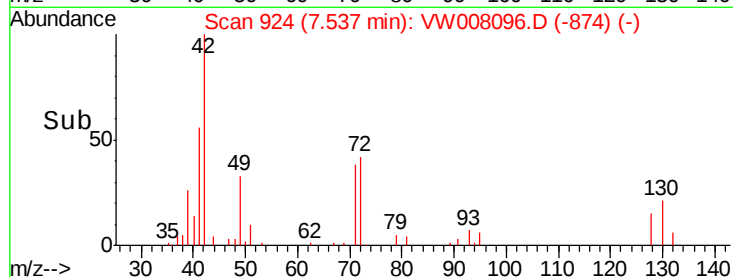
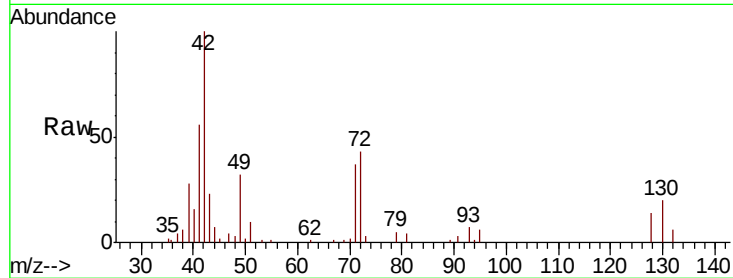




#29
Tetrahydrofuran
Concen: 87.050 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

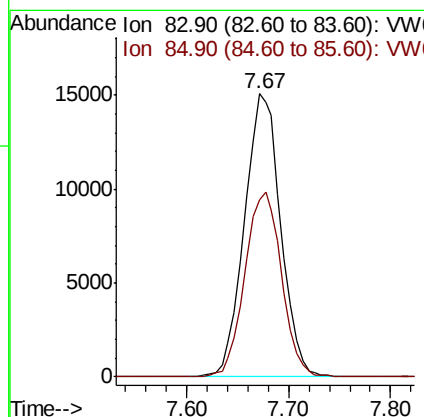
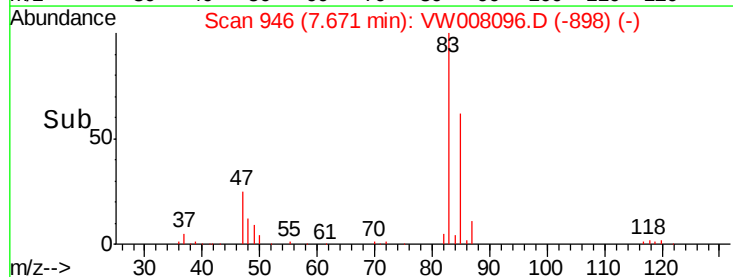
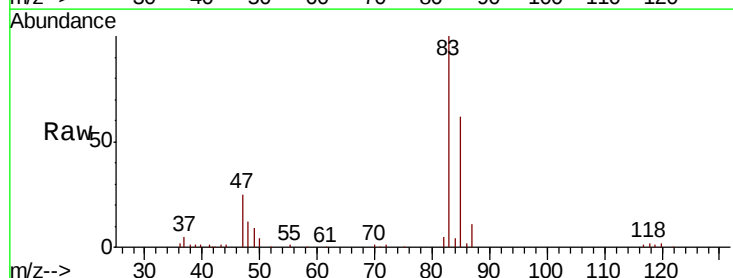
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

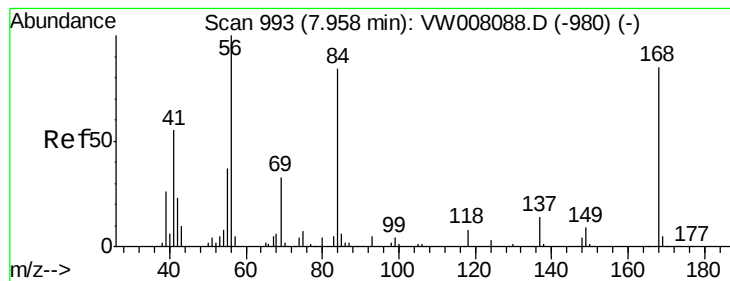
Tgt Ion: 42 Resp: 17069
Ion Ratio Lower Upper
42 100
72 42.3 32.4 48.6
71 36.2 31.3 46.9



#30
Chloroform
Concen: 18.835 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion: 83 Resp: 37184
Ion Ratio Lower Upper
83 100
85 62.4 53.2 79.8





#31

Cyclohexane

Concen: 18.408 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

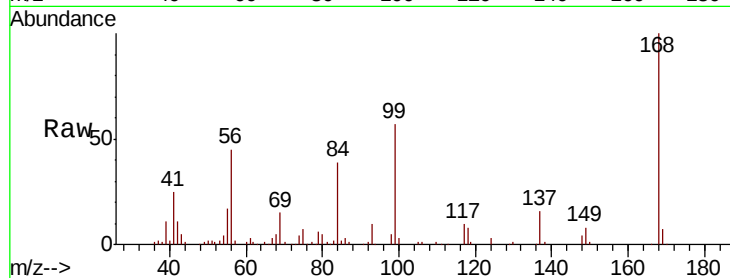
Tgt Ion: 56 Resp: 40870

Ion Ratio Lower Upper

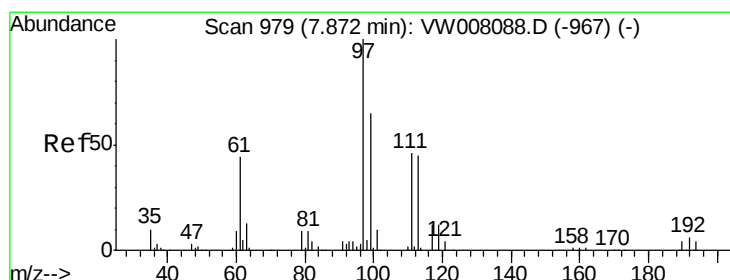
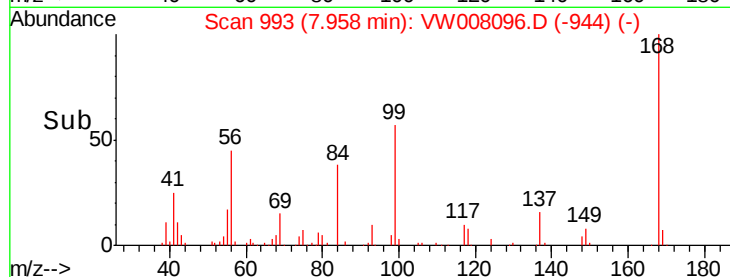
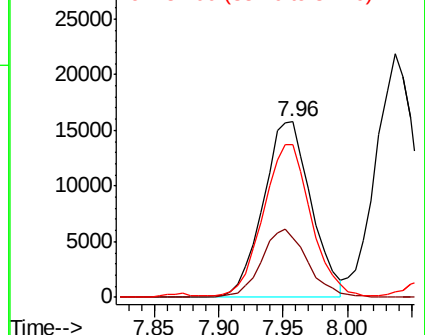
56 100

69 34.2 26.2 39.4

84 85.9 67.4 101.2



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



#32

1,1,1-Trichloroethane

Concen: 18.433 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

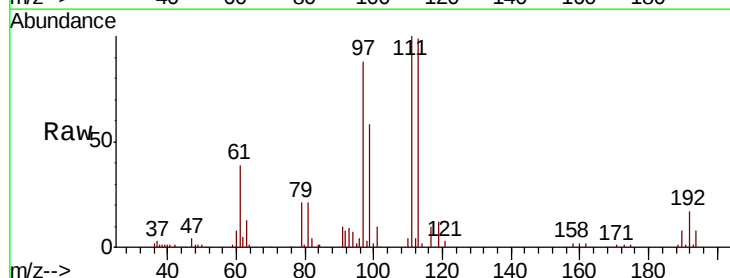
Tgt Ion: 97 Resp: 31663

Ion Ratio Lower Upper

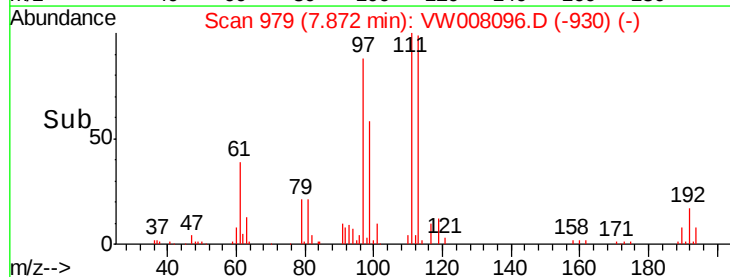
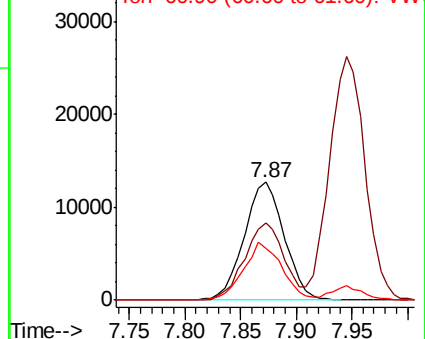
97 100

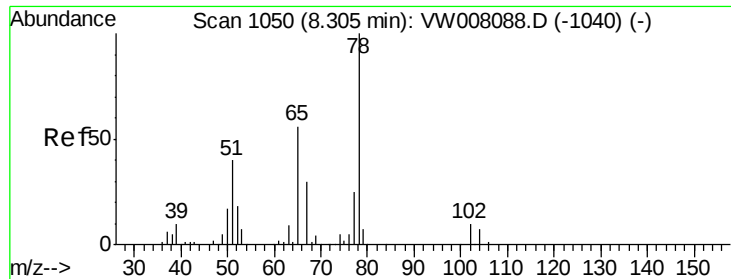
99 65.9 51.4 77.0

61 46.9 35.6 53.4



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

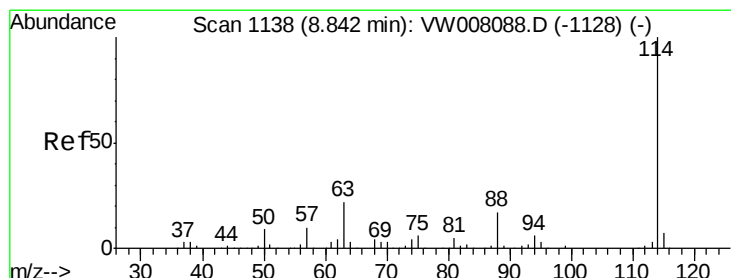
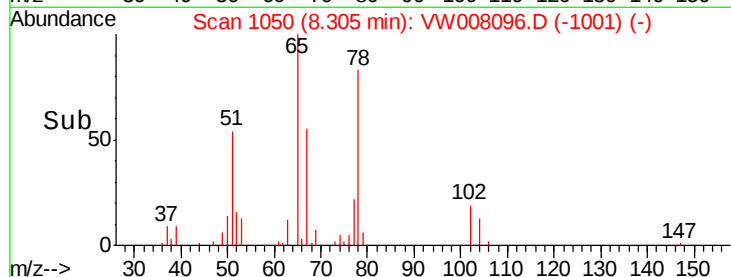
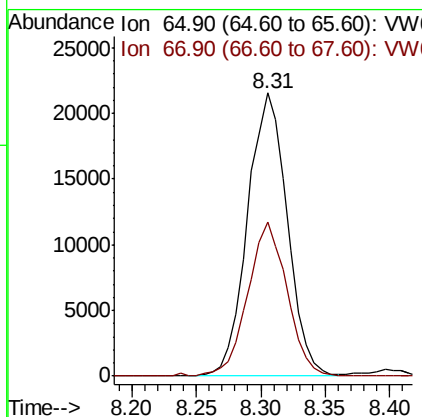
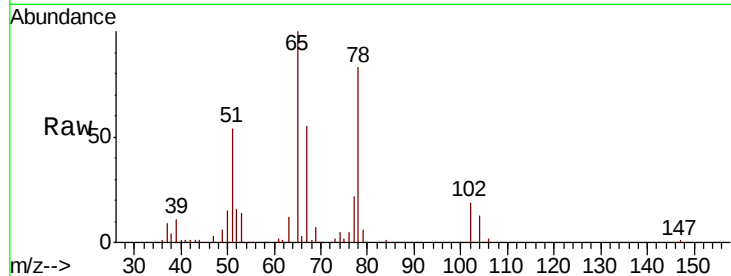




#33
 1,2-Dichloroethane-d4
 Concen: 43.480 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

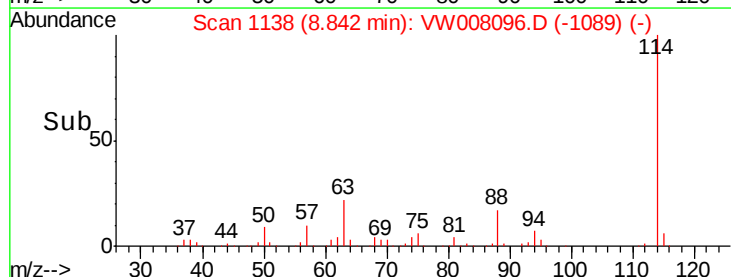
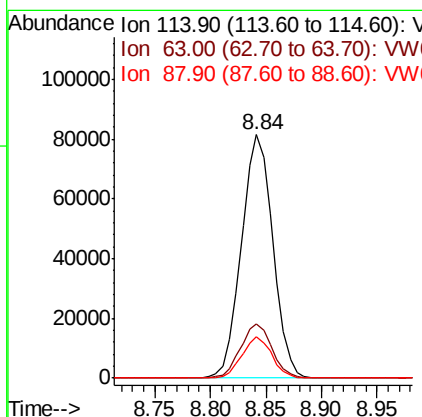
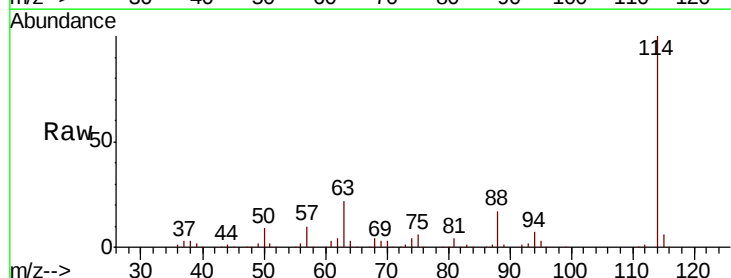
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

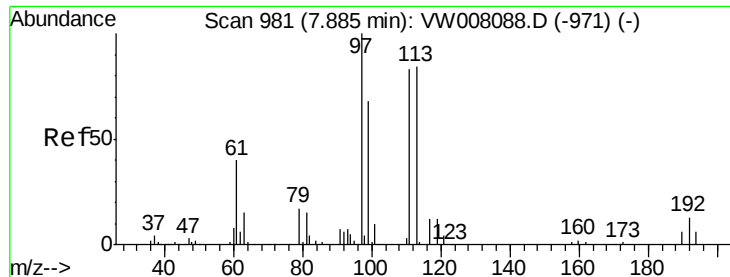
Tgt Ion: 65 Resp: 45873
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 114 Resp: 159690
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.4
 88 17.1 0.0 33.4

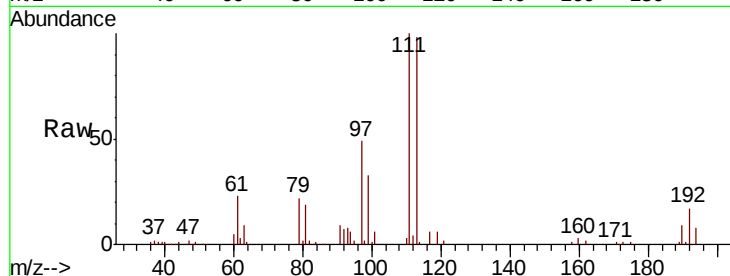




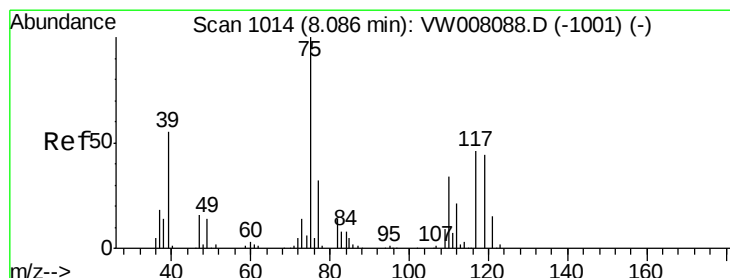
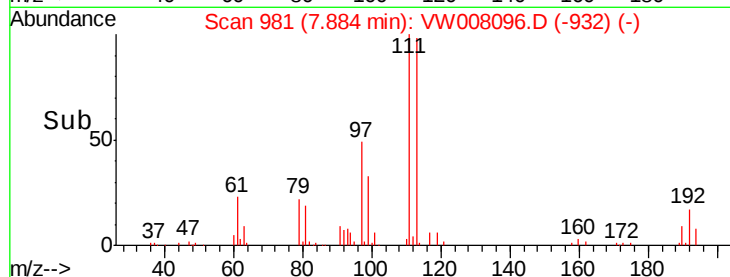
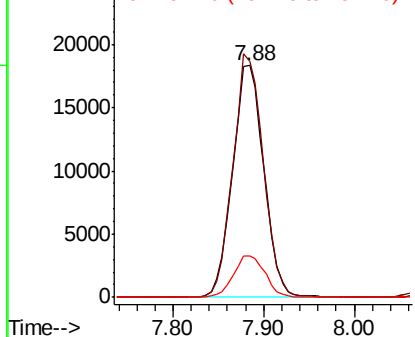
#35
 Dibromofluoromethane
 Concen: 47.058 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tgt Ion: 113 Resp: 43829
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.8 122.8
 192 18.1 12.8 19.2

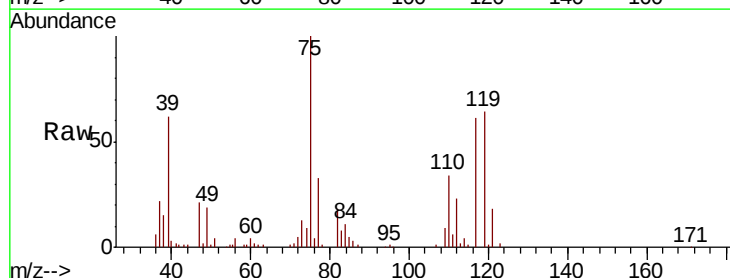


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

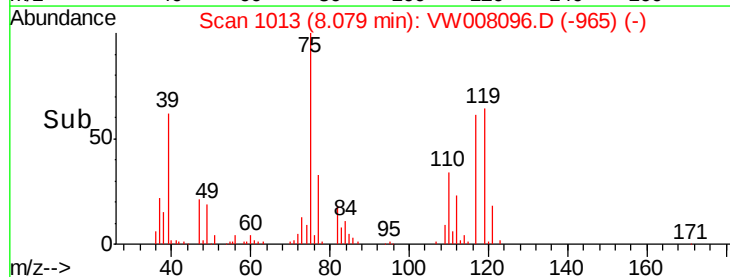
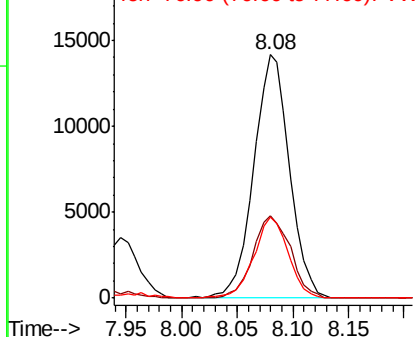


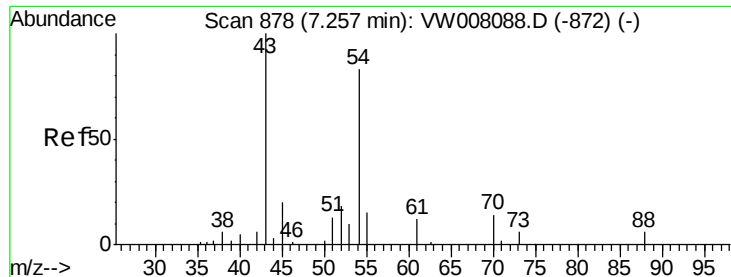
#36
 1,1-Dichloropropene
 Concen: 19.303 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 75 Resp: 31753
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.1 51.3
 77 32.0 25.5 38.3



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

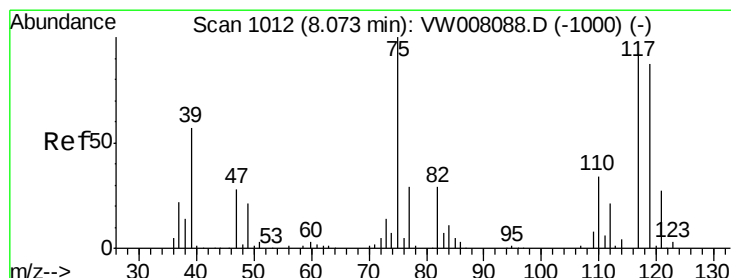
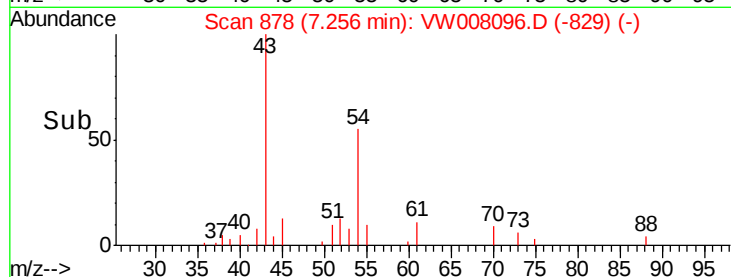
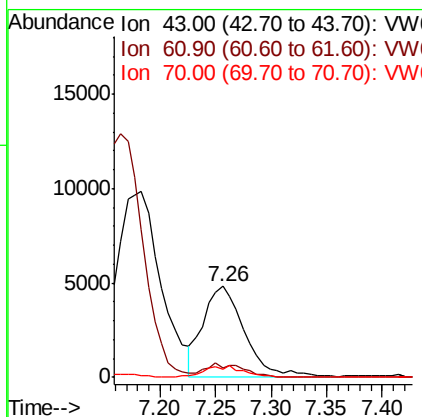
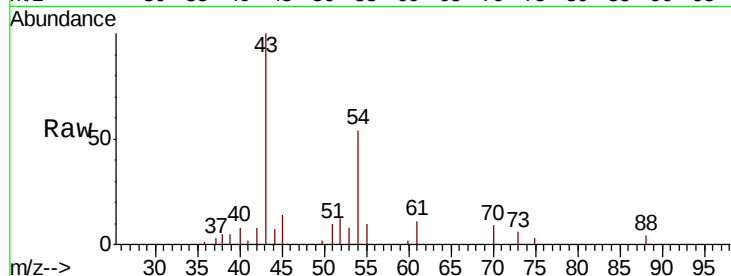




#37
Ethyl Acetate
Concen: 19.078 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

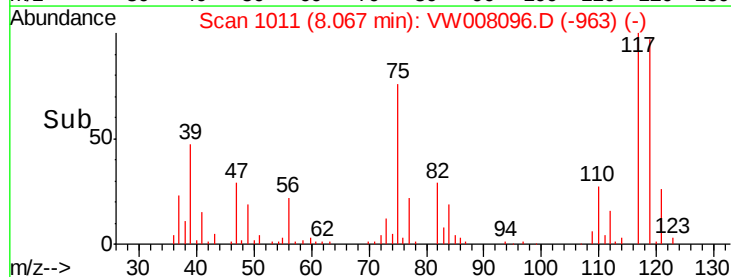
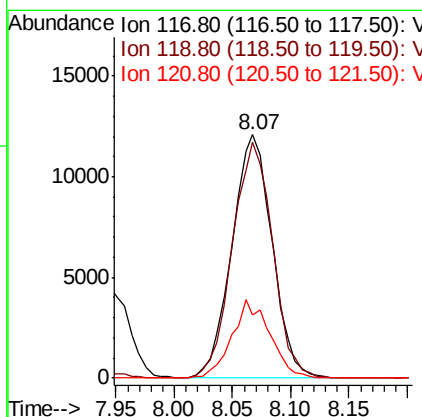
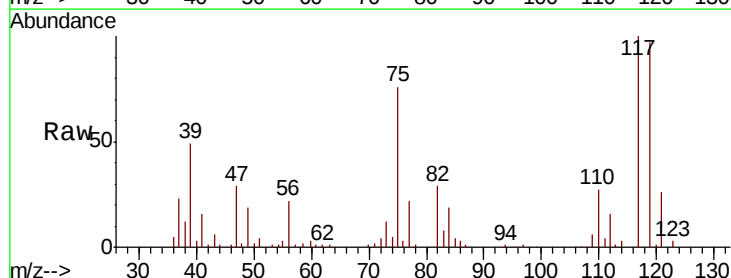
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

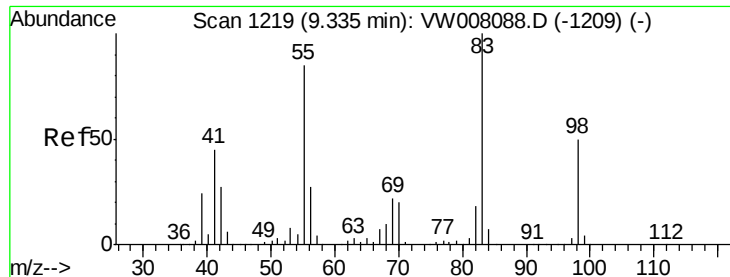
Tgt Ion: 43 Resp: 12573
Ion Ratio Lower Upper
43 100
61 14.0 10.6 16.0
70 11.6 8.9 13.3



#38
Carbon Tetrachloride
Concen: 19.366 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion: 117 Resp: 29157
Ion Ratio Lower Upper
117 100
119 96.7 75.8 113.8
121 26.0 23.7 35.5

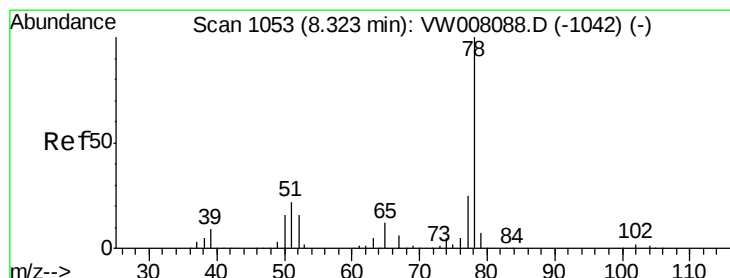
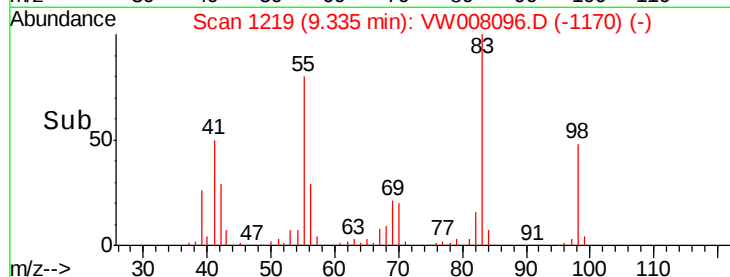
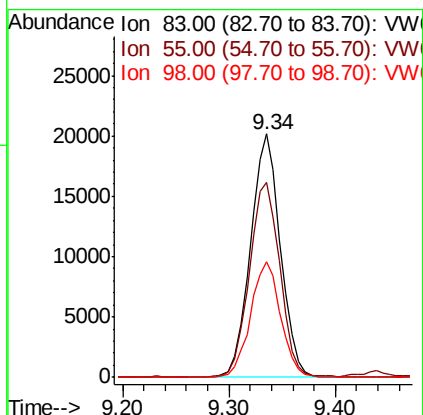
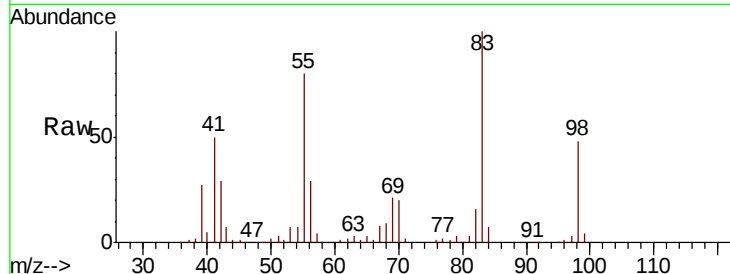




#39
Methylcyclohexane
Concen: 19.039 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

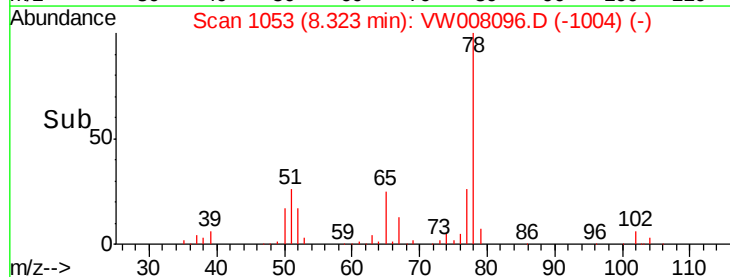
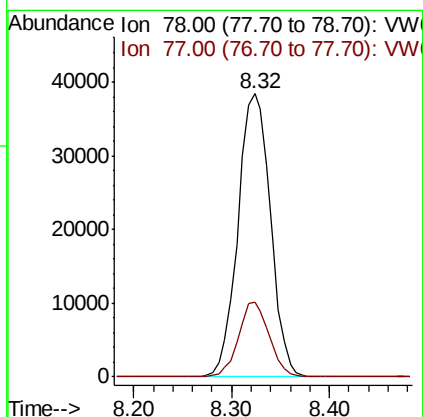
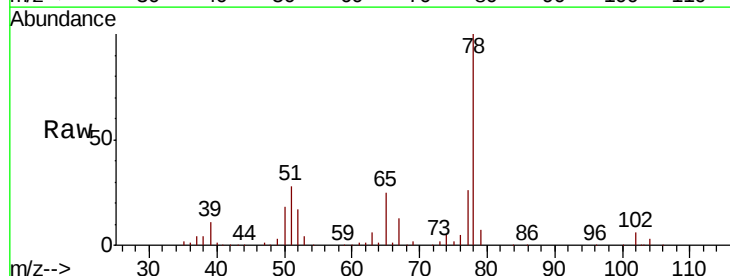
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

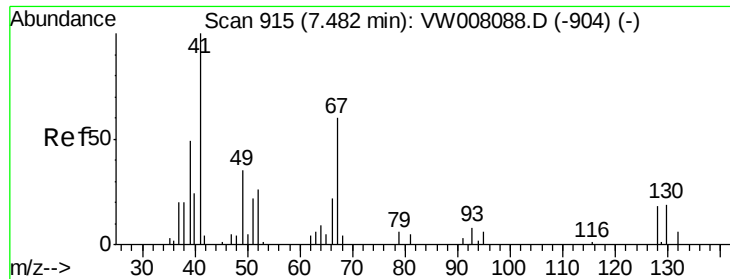
Tgt Ion: 83 Resp: 39712
Ion Ratio Lower Upper
83 100
55 80.0 67.8 101.6
98 47.7 40.2 60.4



#40
Benzene
Concen: 19.772 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion: 78 Resp: 88215
Ion Ratio Lower Upper
78 100
77 26.5 20.2 30.4





#41

Methacrylonitrile

Concen: 18.251 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

Tgt Ion: 41 Resp: 7598

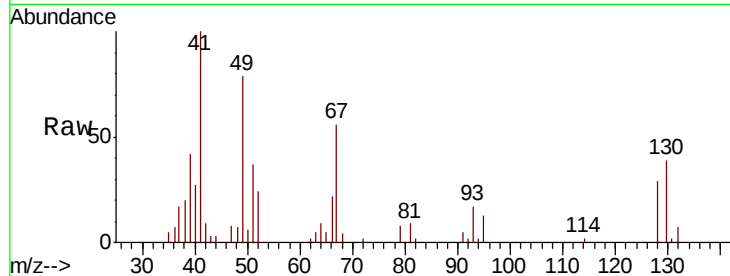
Ion Ratio Lower Upper

41 100

39 51.9 47.9 71.9

67 62.9 56.3 84.5

52 29.2 24.5 36.7

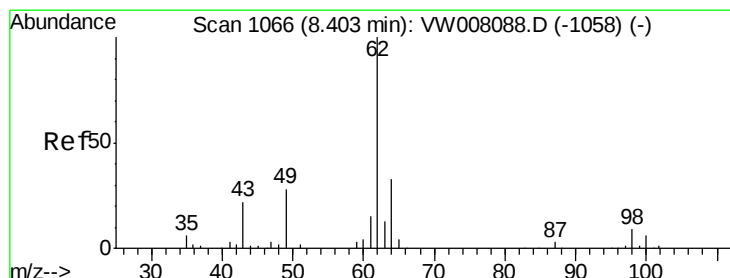
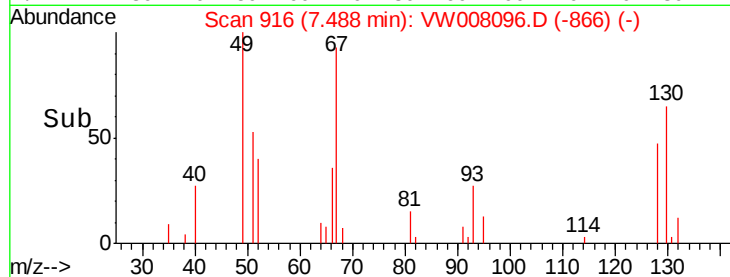
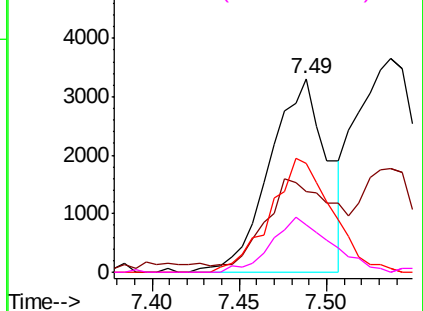


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.024 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008096.D

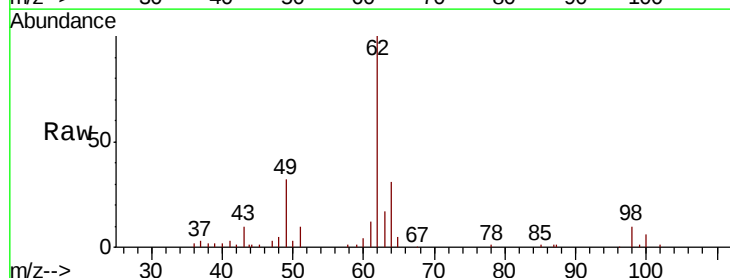
Acq: 09 Jan 2019 12:11

Tgt Ion: 62 Resp: 23872

Ion Ratio Lower Upper

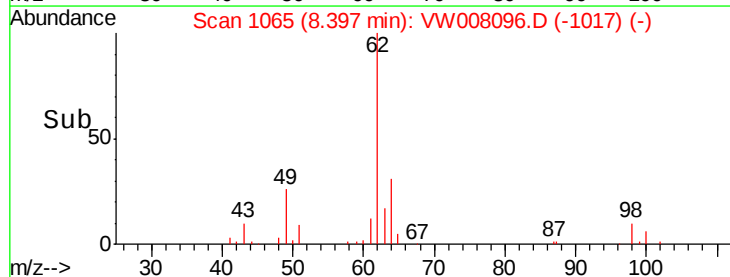
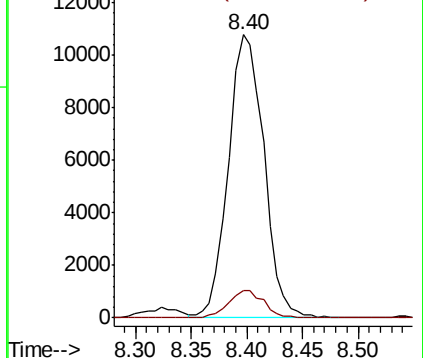
62 100

98 9.5 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.683 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

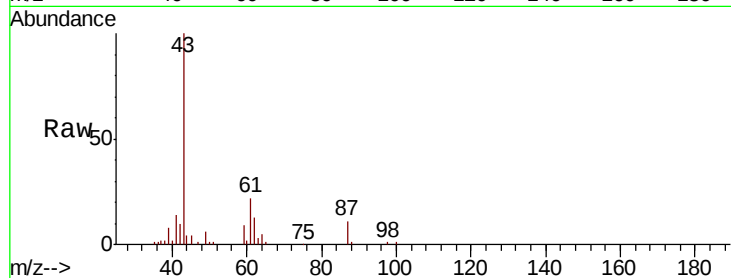
Tgt Ion: 43 Resp: 24617

Ion Ratio Lower Upper

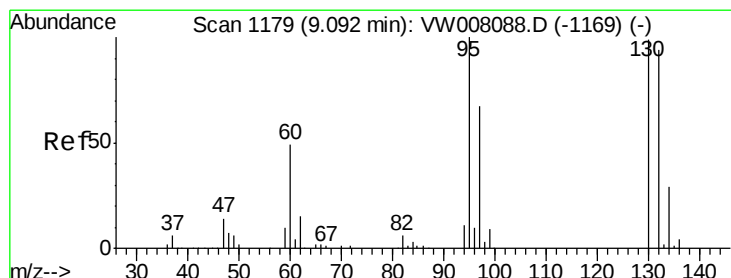
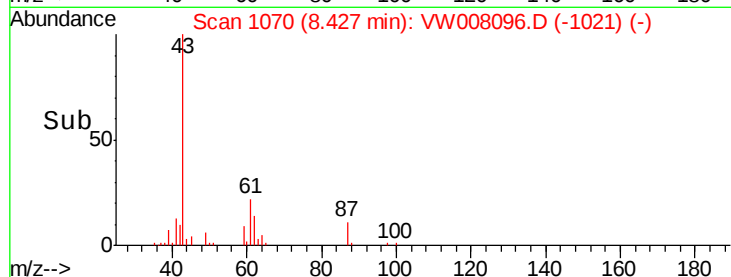
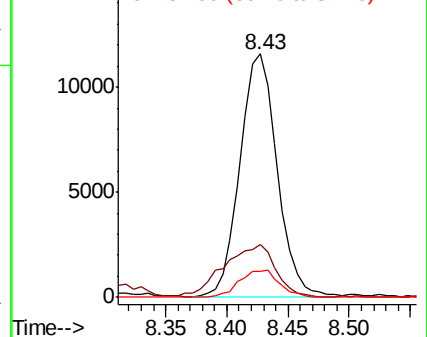
43 100

61 30.0 24.8 37.2

87 11.9 10.4 15.6



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



#44

Trichloroethene

Concen: 18.926 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008096.D

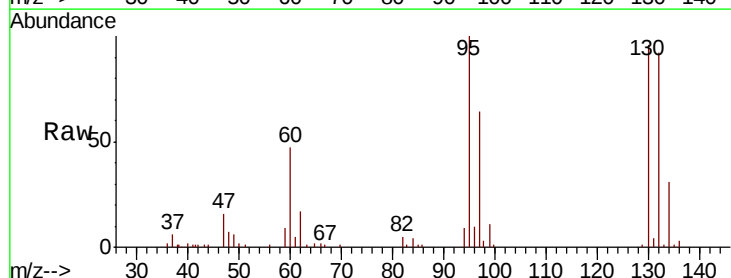
Acq: 09 Jan 2019 12:11

Tgt Ion: 130 Resp: 21616

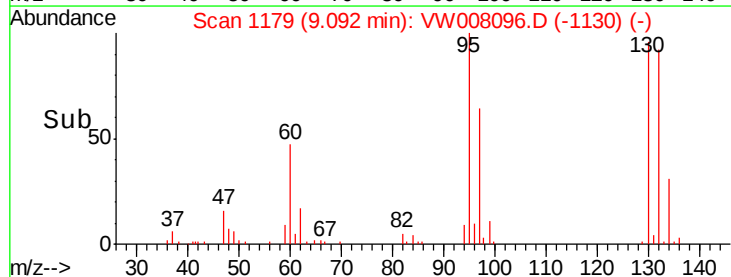
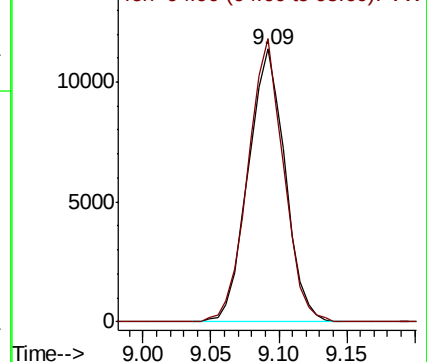
Ion Ratio Lower Upper

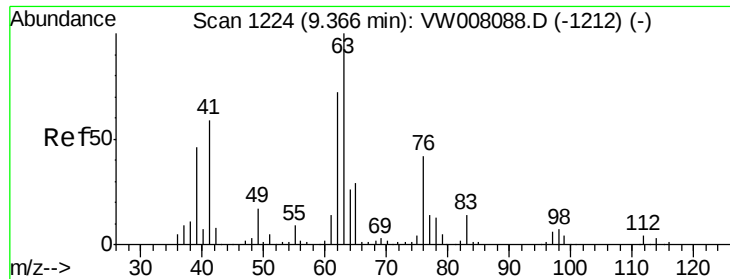
130 100

95 103.8 0.0 202.8



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

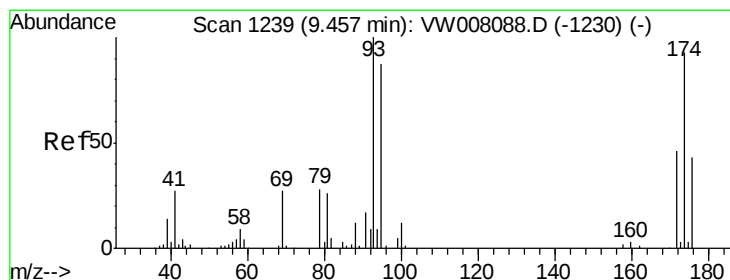
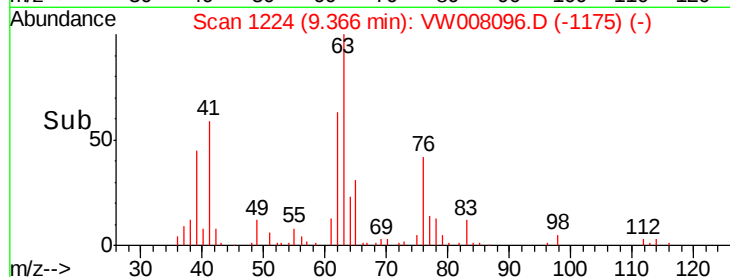
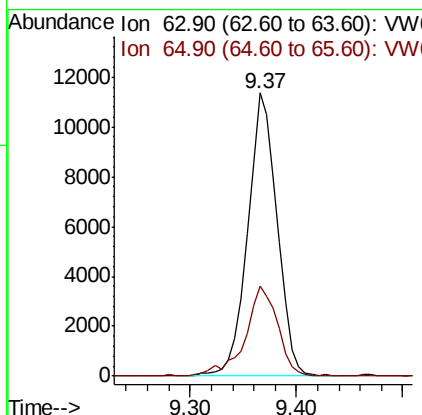
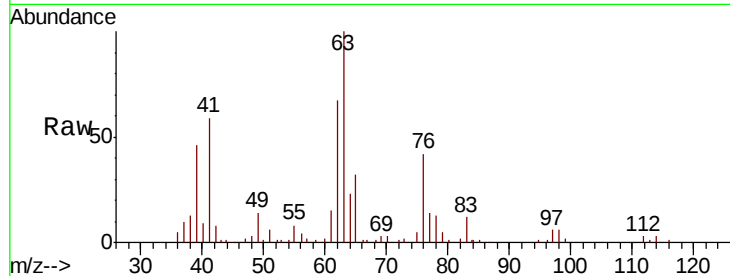




#45
 1,2-Dichloropropane
 Concen: 19.895 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

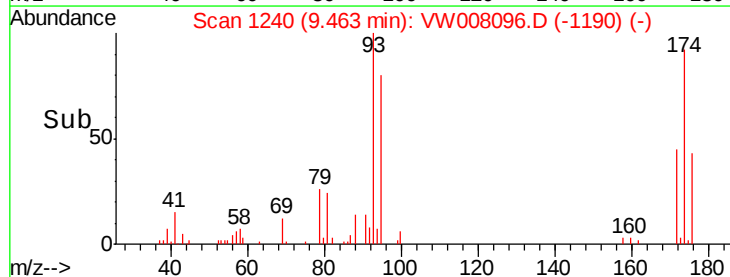
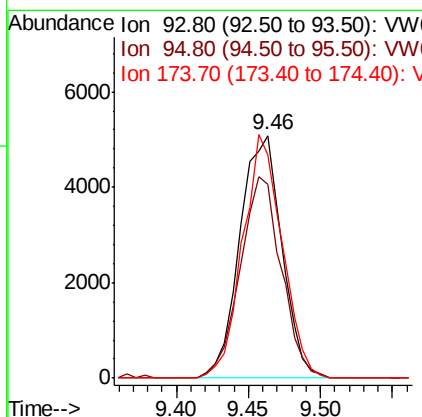
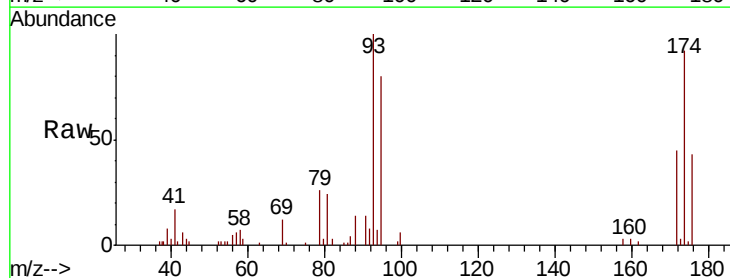
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

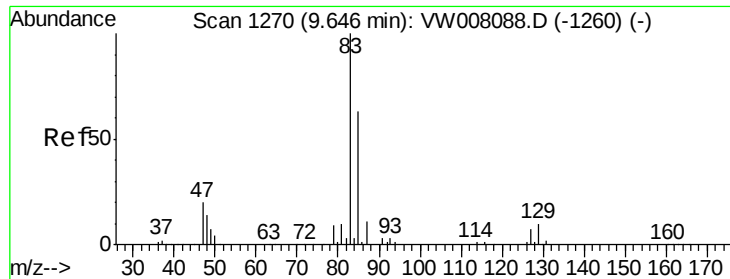
Tgt Ion: 63 Resp: 22010
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.3 34.9



#46
 Dibromomethane
 Concen: 18.875 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 93 Resp: 10255
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.5 101.3
 174 94.3 72.5 108.7





#47

Bromodichloromethane

Concen: 18.936 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

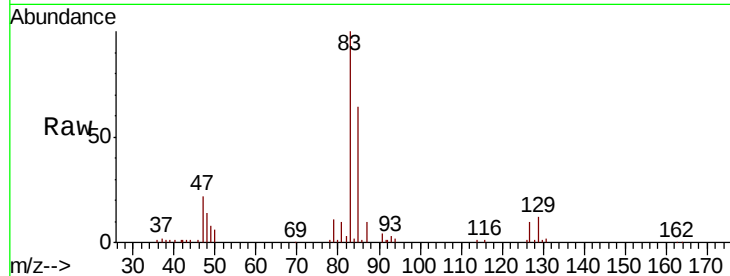
Tgt Ion: 83 Resp: 26123

Ion Ratio Lower Upper

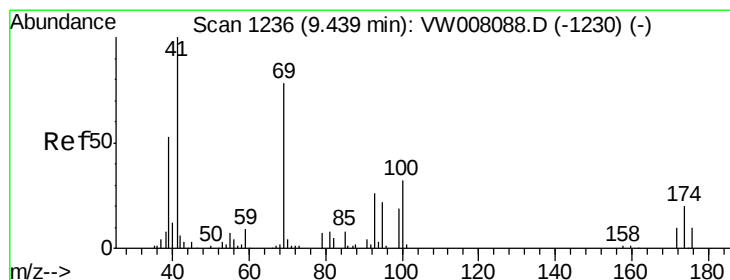
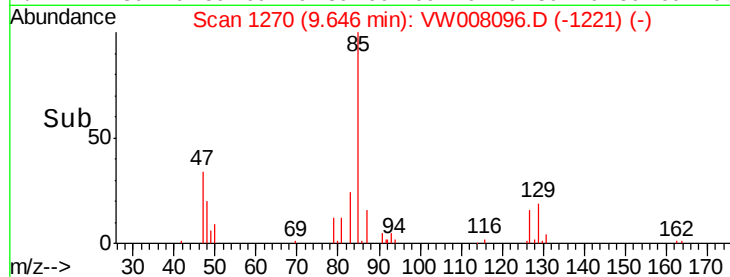
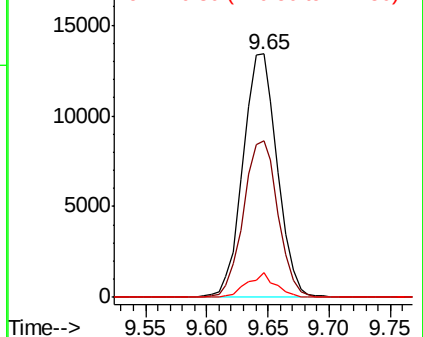
83 100

85 64.1 50.7 76.1

127 10.2 6.0 9.0#



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



#48

Methyl methacrylate

Concen: 18.527 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

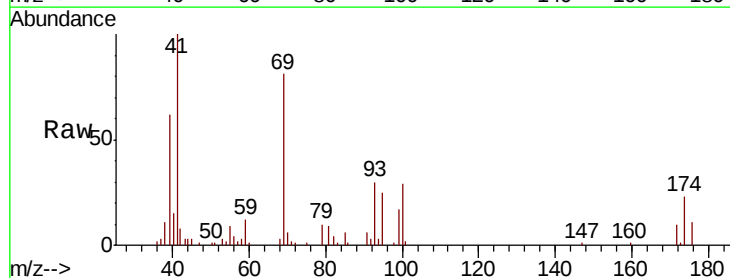
Tgt Ion: 41 Resp: 11519

Ion Ratio Lower Upper

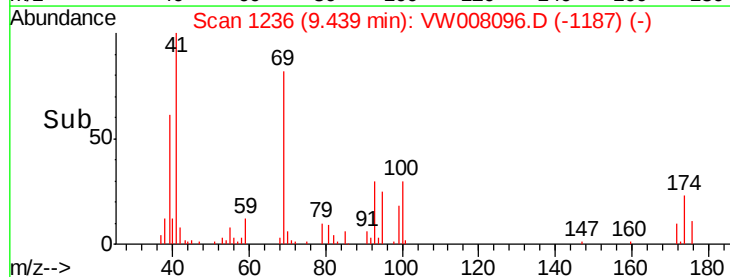
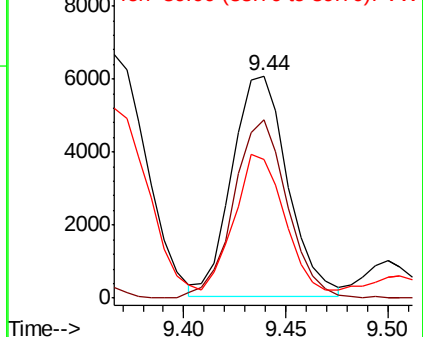
41 100

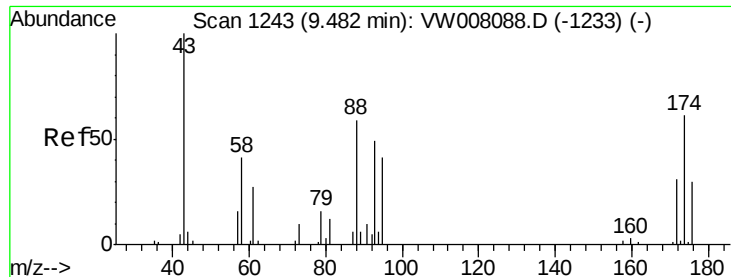
69 77.5 61.9 92.9

39 53.9 43.0 64.4



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

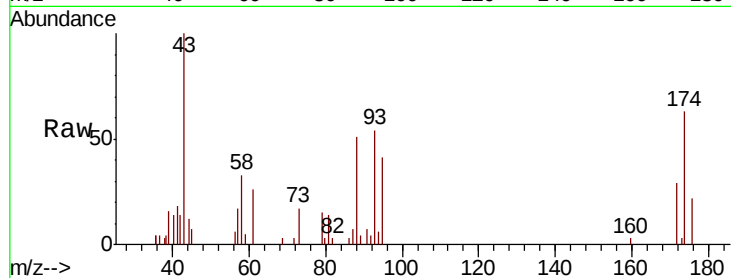




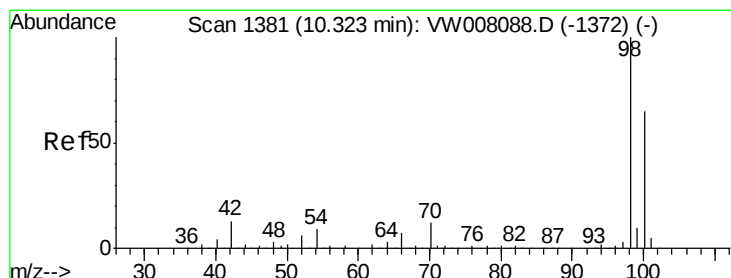
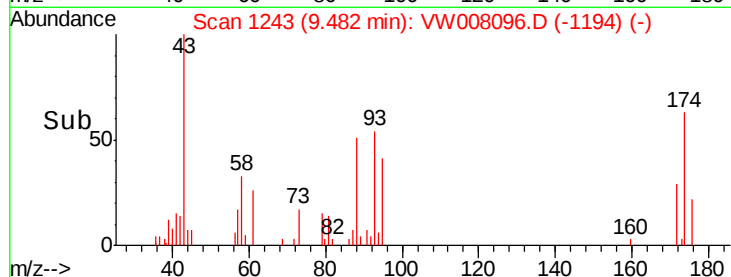
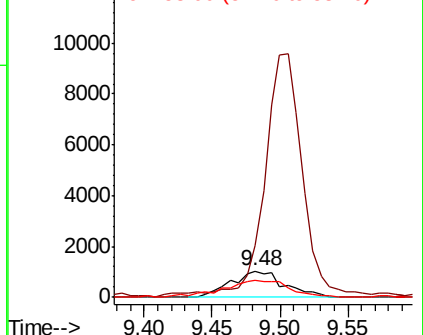
#49
1,4-Dioxane
Concen: 322.180 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tgt Ion: 88 Resp: 2815
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 82.4 61.7 92.5

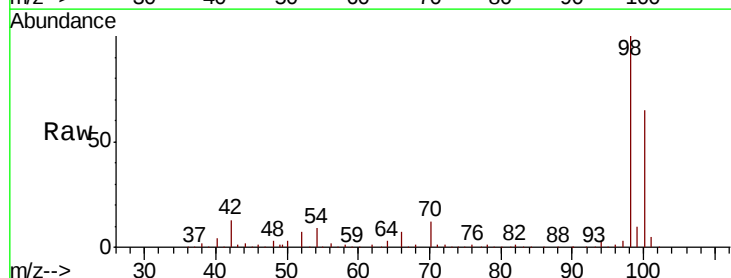


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

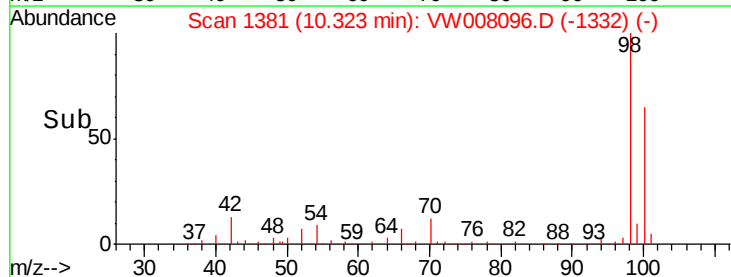
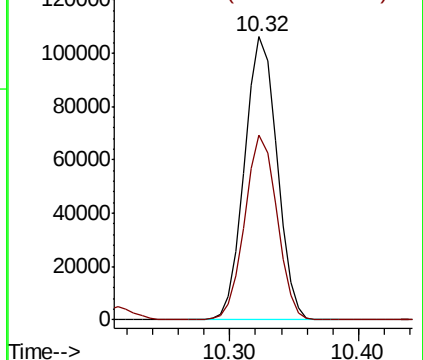


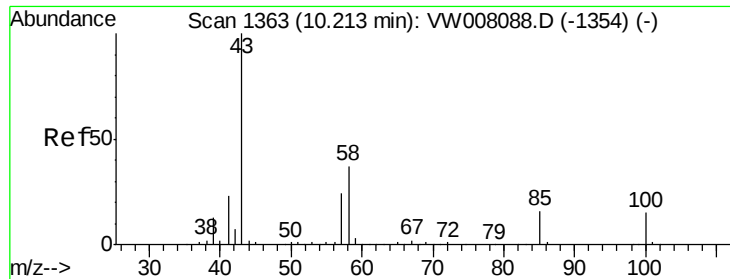
#50
Toluene-d8
Concen: 47.297 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion: 98 Resp: 184856
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 92.722 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

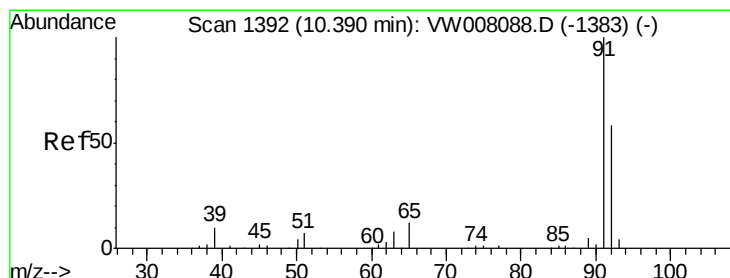
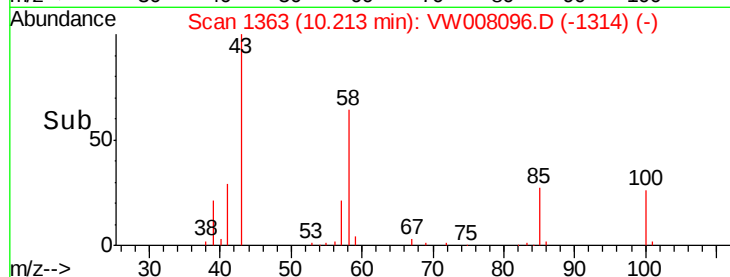
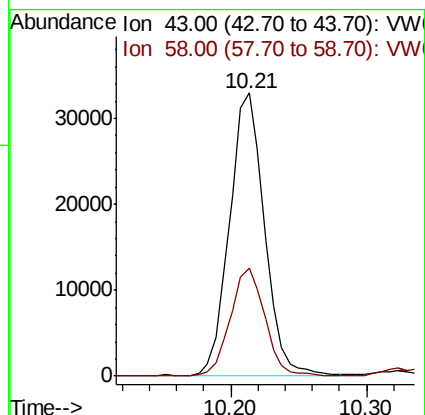
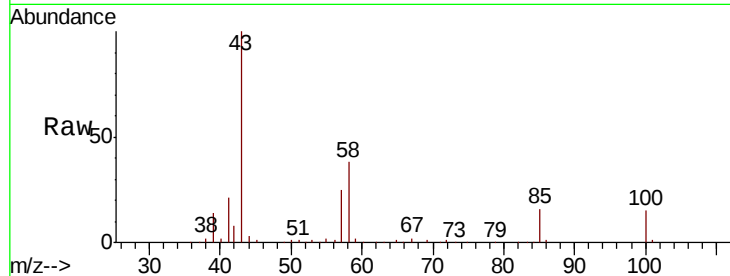
VW0109SBS01

Tgt Ion: 43 Resp: 59139

Ion Ratio Lower Upper

43 100

58 37.6 30.6 46.0



#52

Toluene

Concen: 19.201 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008096.D

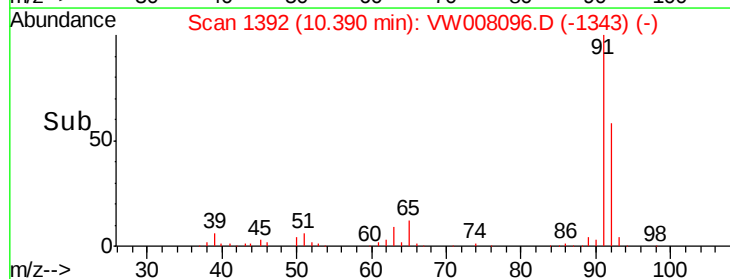
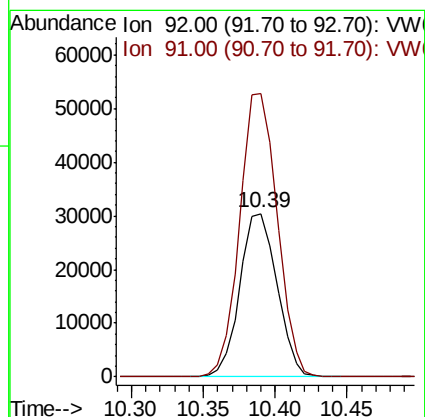
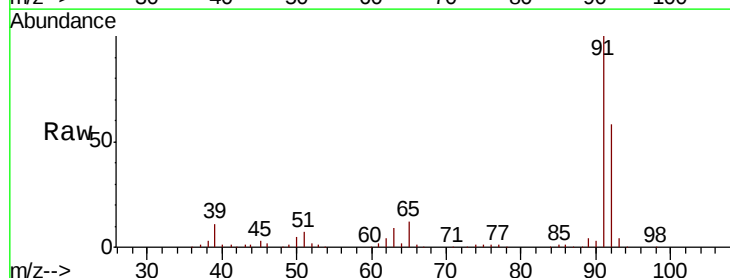
Acq: 09 Jan 2019 12:11

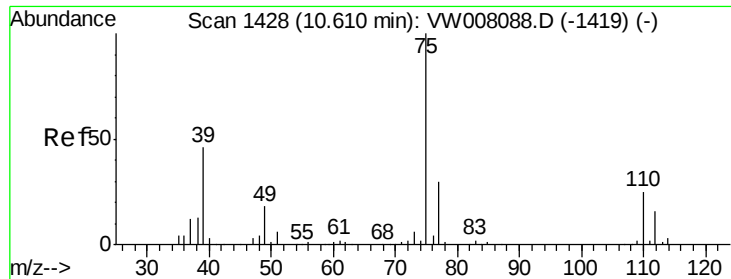
Tgt Ion: 92 Resp: 54710

Ion Ratio Lower Upper

92 100

91 174.8 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 19.066 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

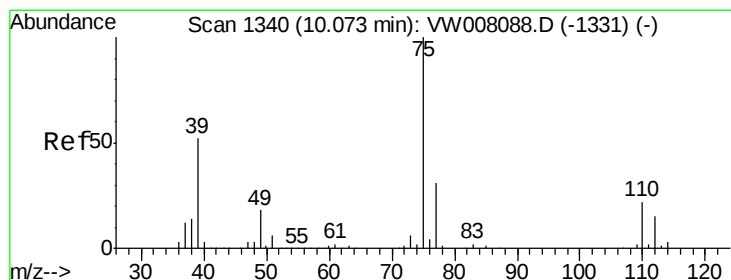
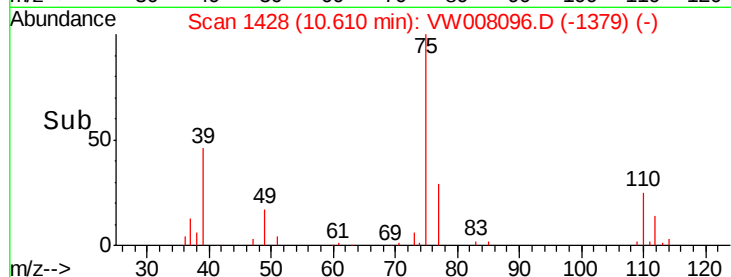
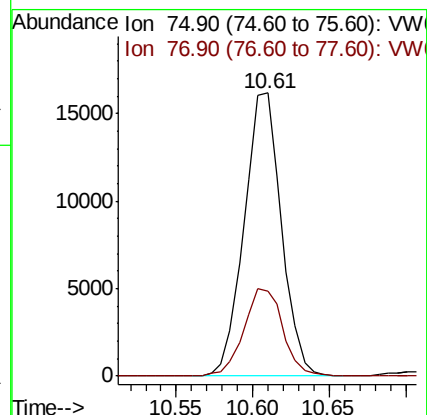
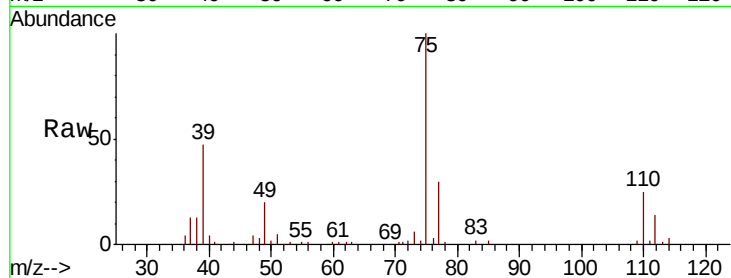
VW0109SBS01

Tgt Ion: 75 Resp: 27360

Ion Ratio Lower Upper

75 100

77 30.1 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 19.213 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

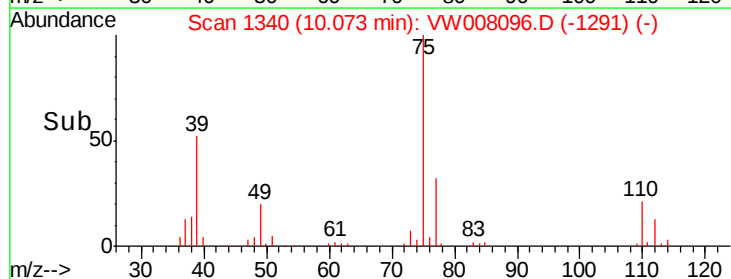
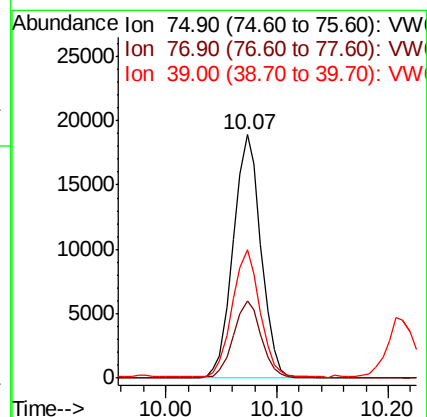
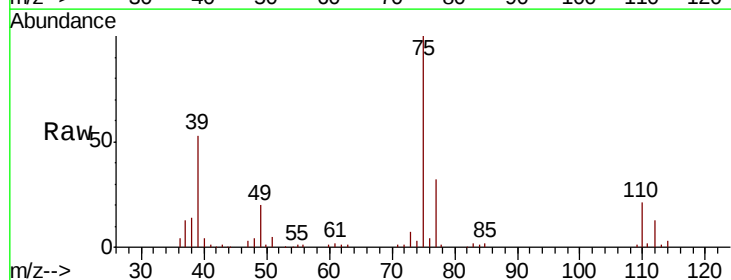
Tgt Ion: 75 Resp: 32694

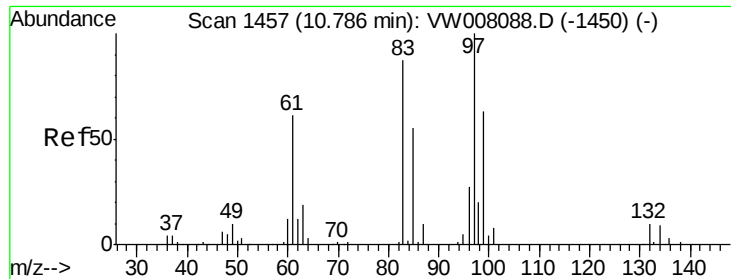
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 52.4 41.4 62.0

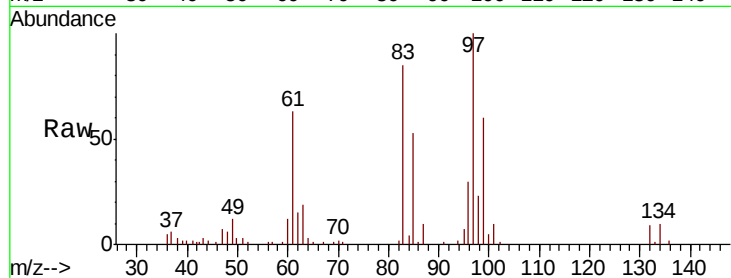




#55
 1,1,2-Trichloroethane
 Concen: 19.074 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tgt Ion:	97	Resp:	14550
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.3	103.9
85	52.7	43.8	65.6
99	60.4	50.0	75.0



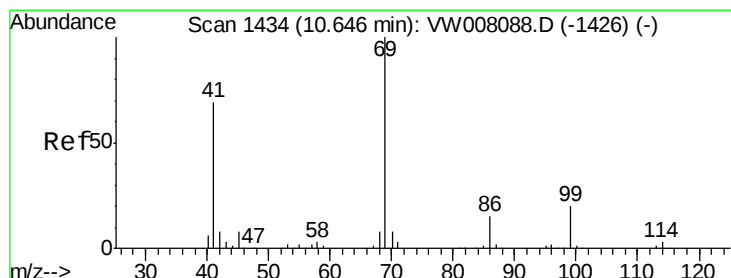
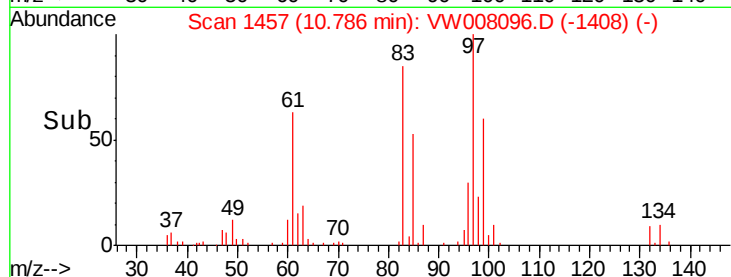
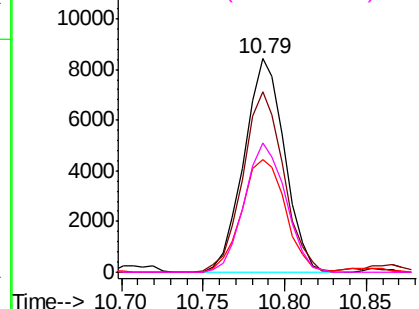
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

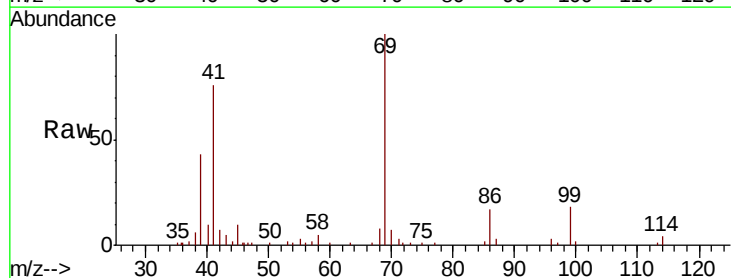
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 17.973 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion:	69	Resp:	16978
Ion	Ratio	Lower	Upper
69	100		
41	76.8	56.4	84.6
39	37.2	28.1	42.1

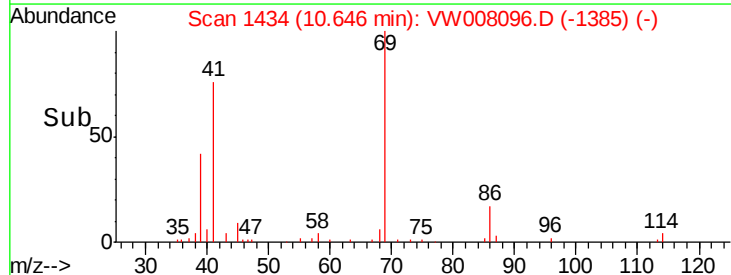
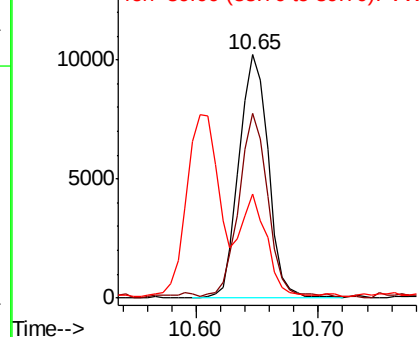


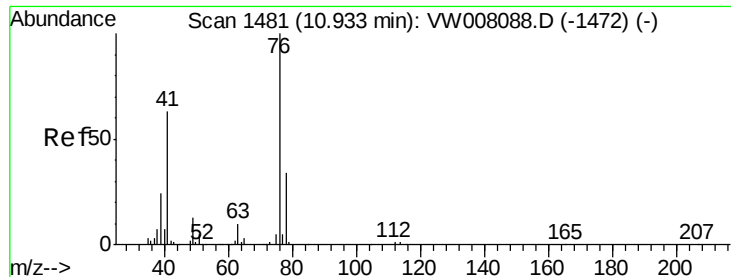
Abundance

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

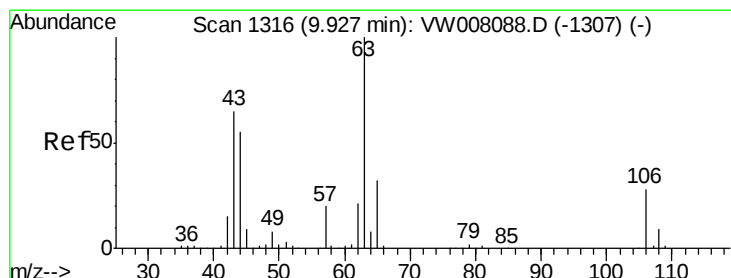
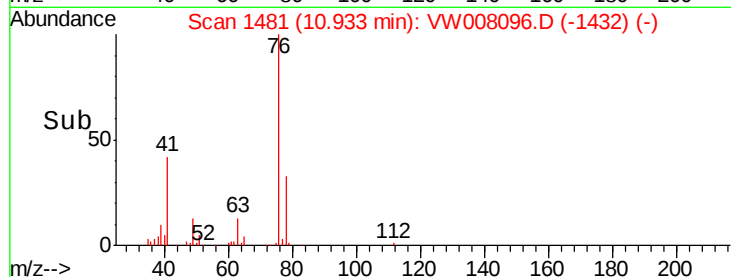
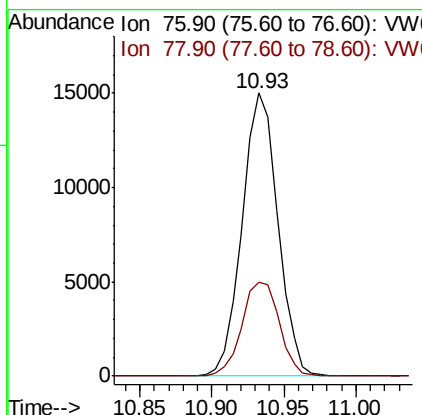
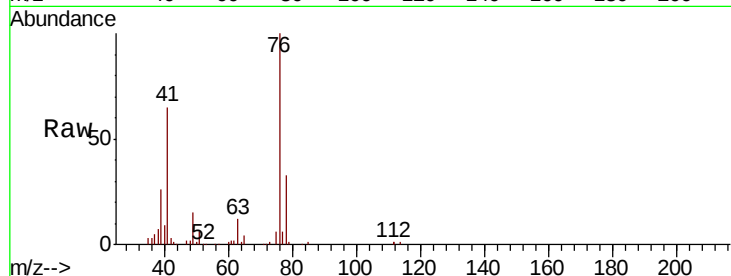




#57
 1,3-Dichloropropane
 Concen: 18.482 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

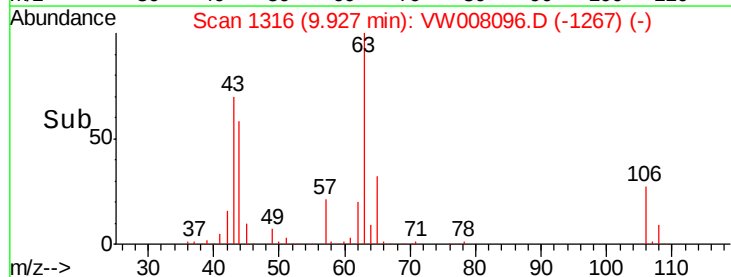
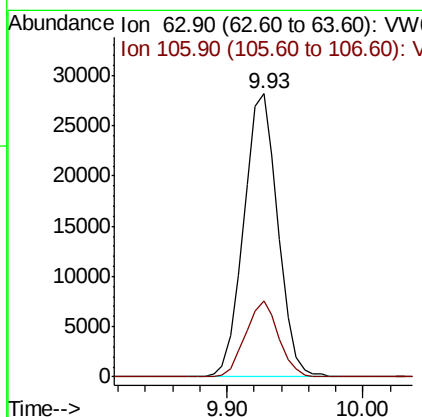
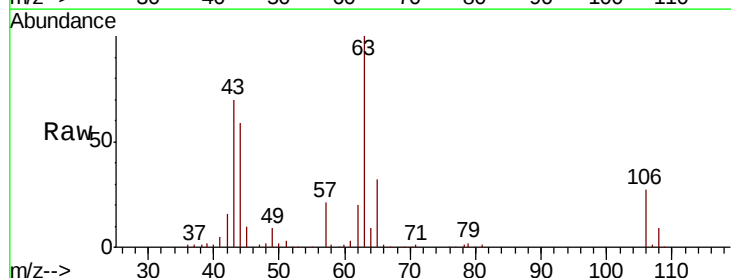
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

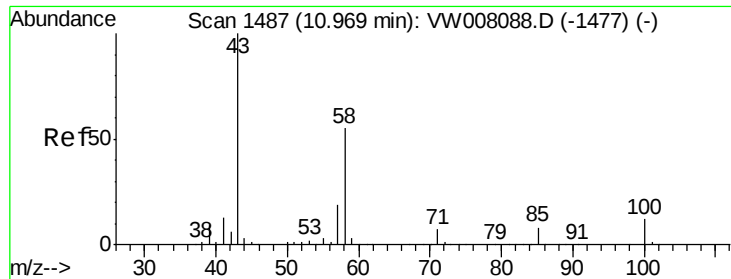
Tgt Ion: 76 Resp: 25783
 Ion Ratio Lower Upper
 76 100
 78 34.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.022 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 63 Resp: 49295
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.8 32.6





#59

2-Hexanone

Concen: 95.676 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

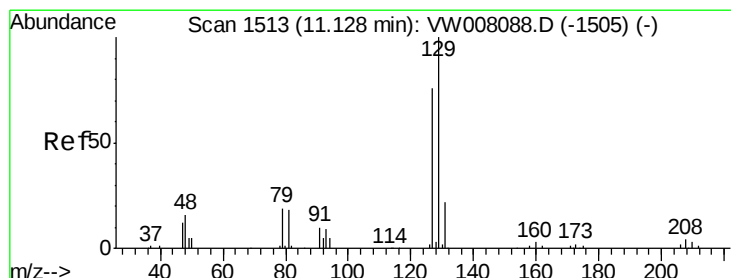
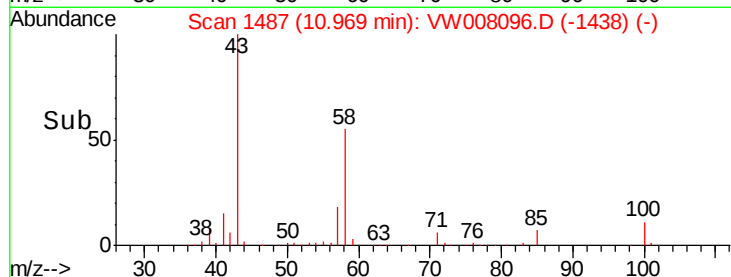
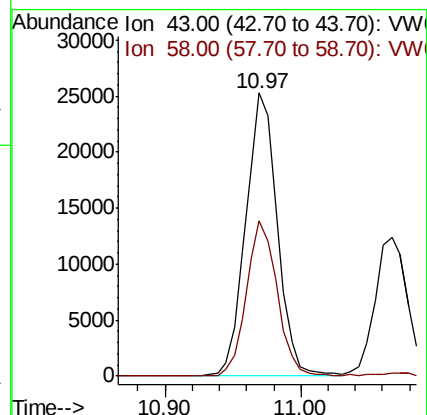
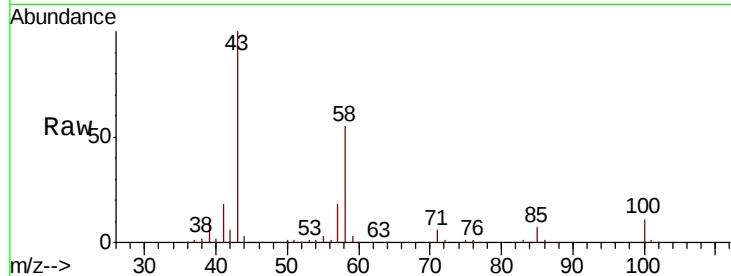
VW0109SBS01

Tgt Ion: 43 Resp: 41267

Ion Ratio Lower Upper

43 100

58 53.2 27.2 81.5



#60

Dibromochloromethane

Concen: 18.760 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008096.D

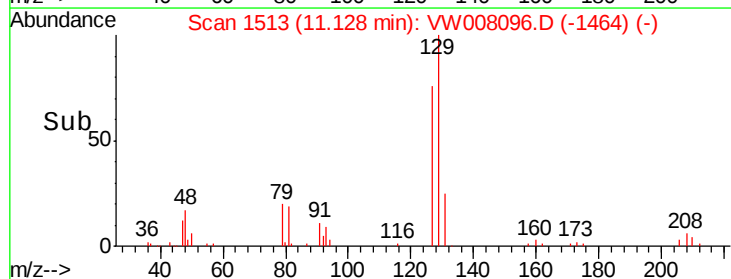
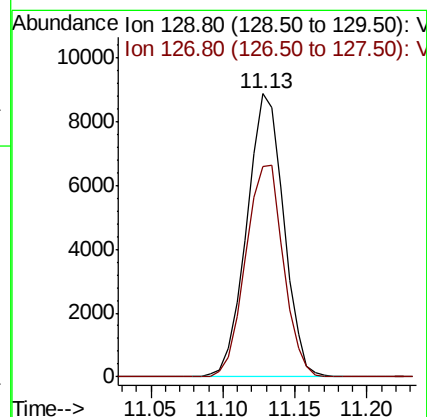
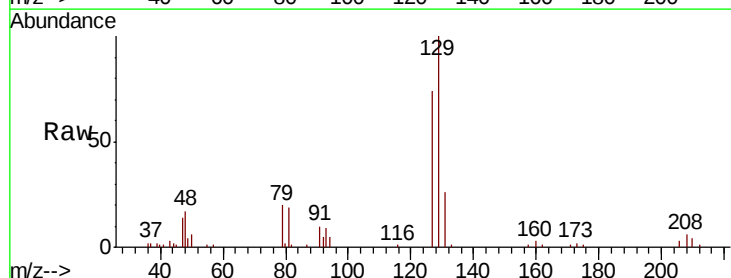
Acq: 09 Jan 2019 12:11

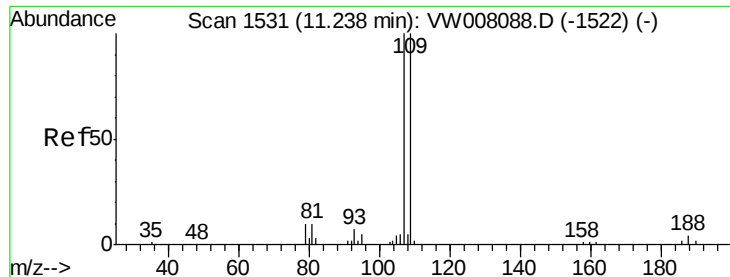
Tgt Ion: 129 Resp: 15714

Ion Ratio Lower Upper

129 100

127 76.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.757 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

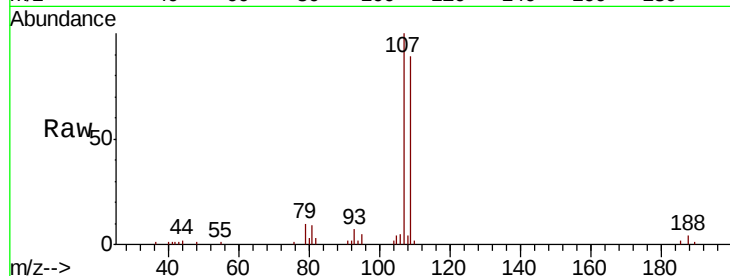
VW0109SBS01

Tgt Ion: 107 Resp: 13576

Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

8000

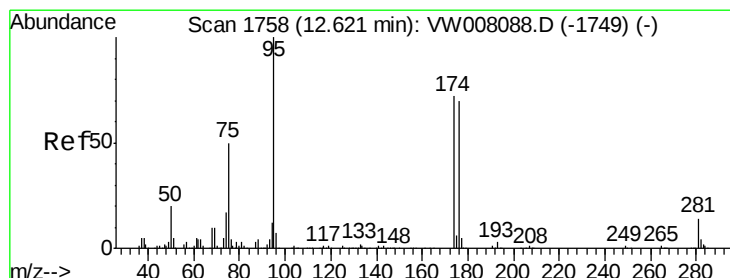
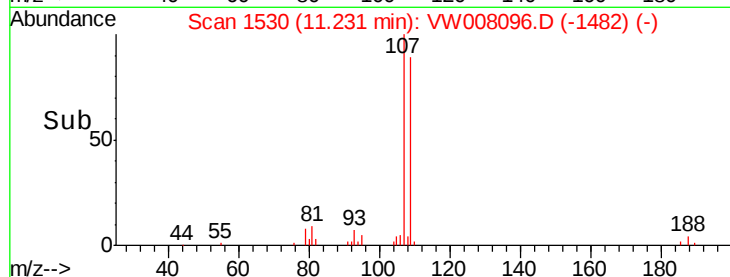
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 45.127 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

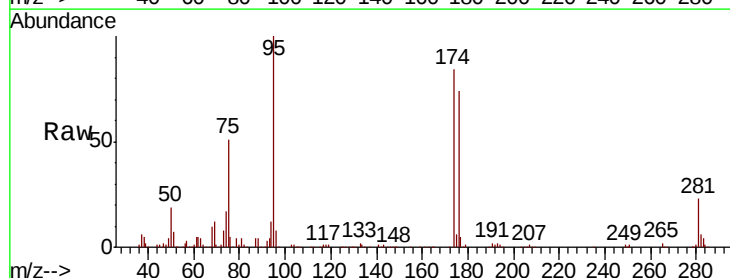
Tgt Ion: 95 Resp: 63230

Ion Ratio Lower Upper

95 100

174 77.1 0.0 143.0

176 73.4 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

50000

40000

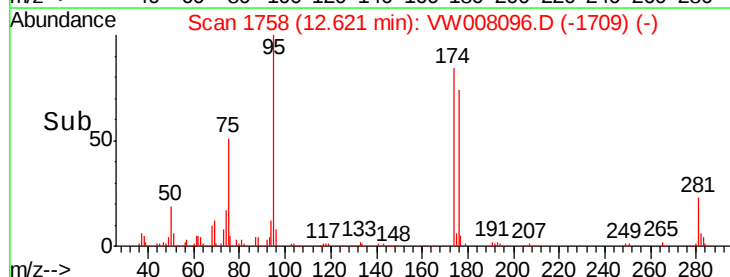
30000

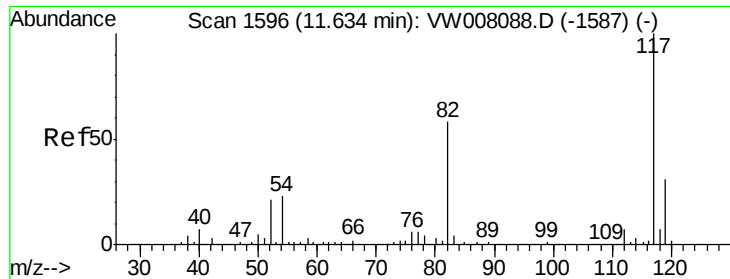
20000

10000

0

Time--> 12.55 12.60 12.65 12.70

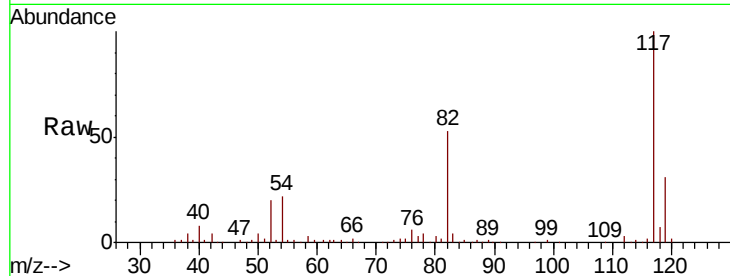




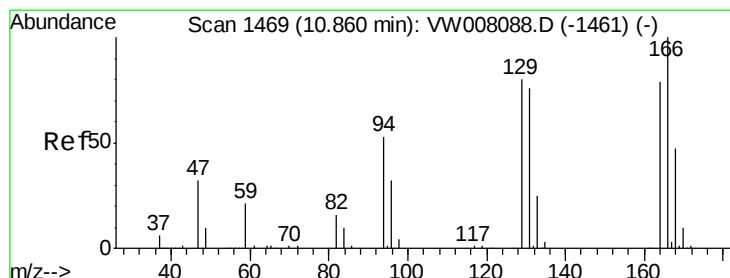
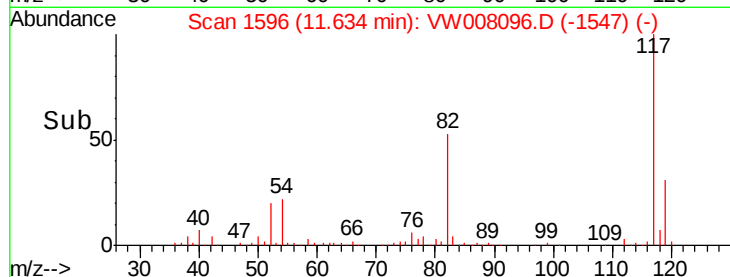
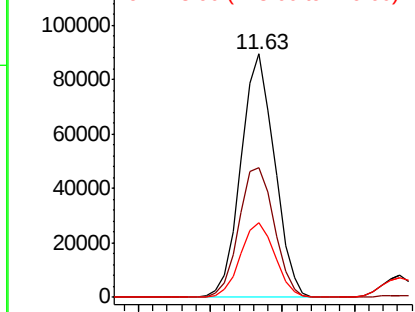
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tgt Ion:117 Resp: 144940
Ion Ratio Lower Upper
117 100
82 53.4 46.4 69.6
119 30.9 24.7 37.1

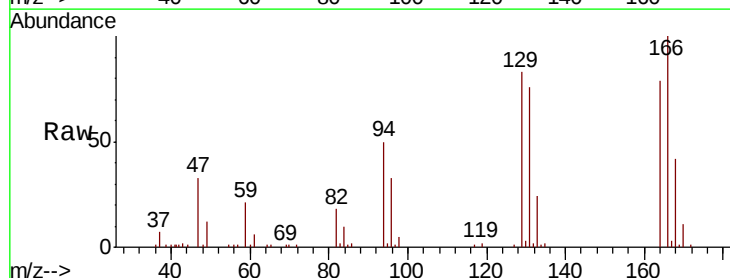


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

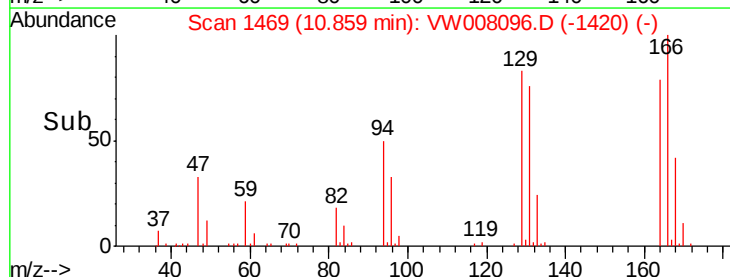
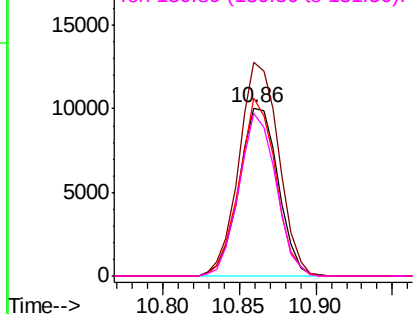


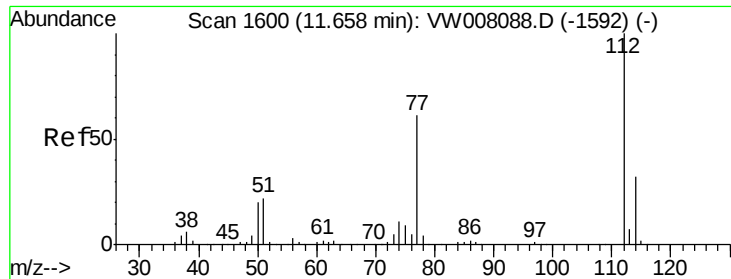
#64
Tetrachloroethene
Concen: 19.038 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion:164 Resp: 17958
Ion Ratio Lower Upper
164 100
166 126.9 100.7 151.1
129 105.5 81.0 121.4
131 96.6 76.1 114.1



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

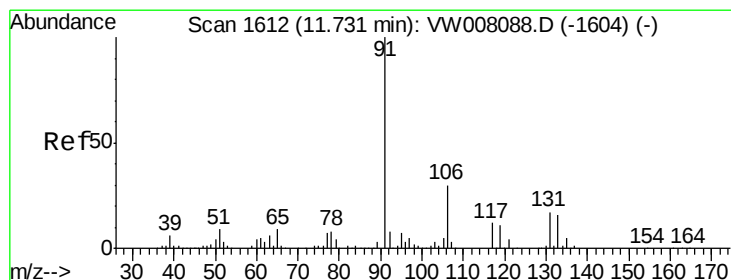
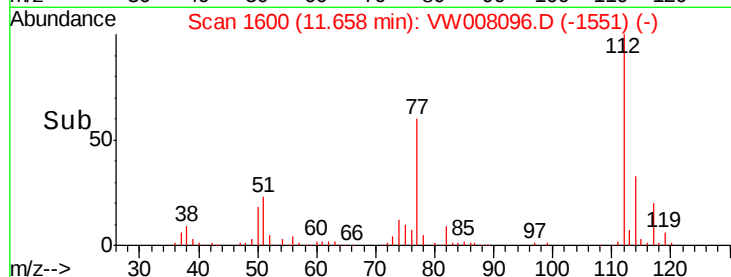
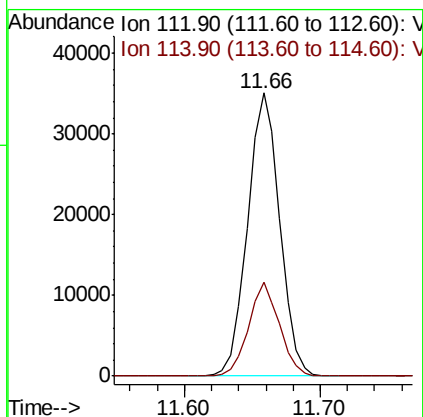
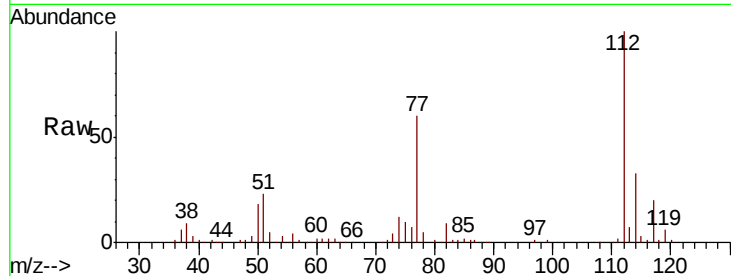




#65
Chlorobenzene
Concen: 18.873 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

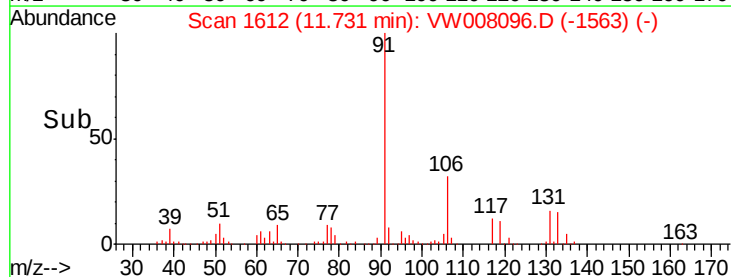
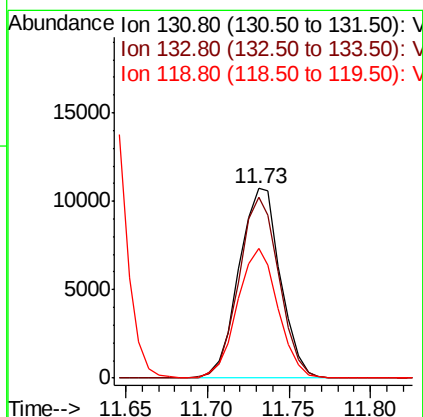
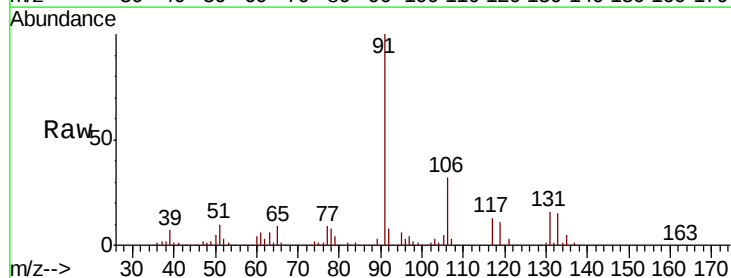
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

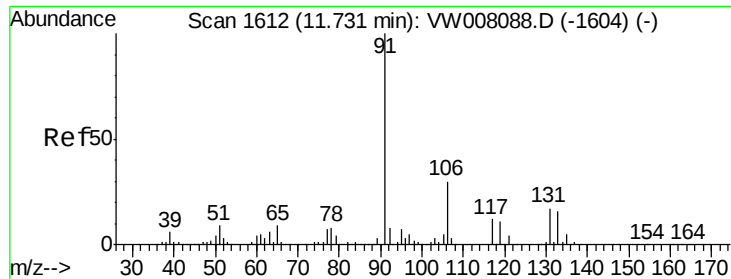
Tgt Ion:112 Resp: 57952
Ion Ratio Lower Upper
112 100
114 33.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.948 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion:131 Resp: 18924
Ion Ratio Lower Upper
131 100
133 92.6 47.9 143.7
119 67.1 32.5 97.4

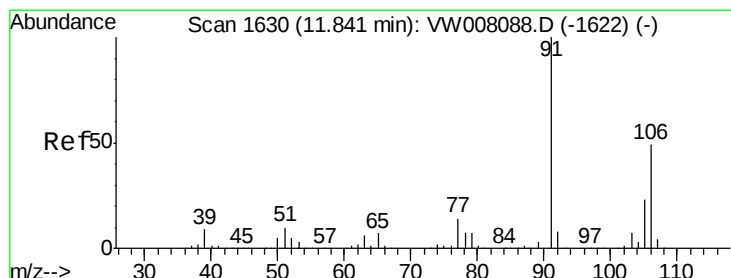
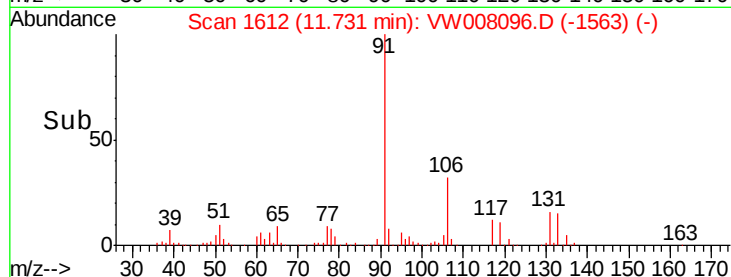
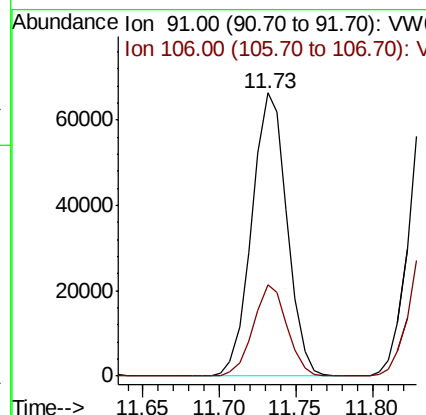
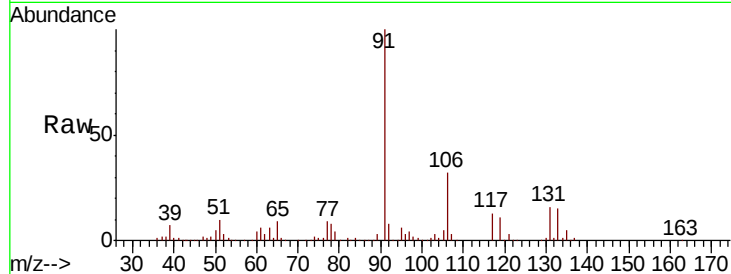




#67
Ethyl Benzene
Concen: 18.899 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

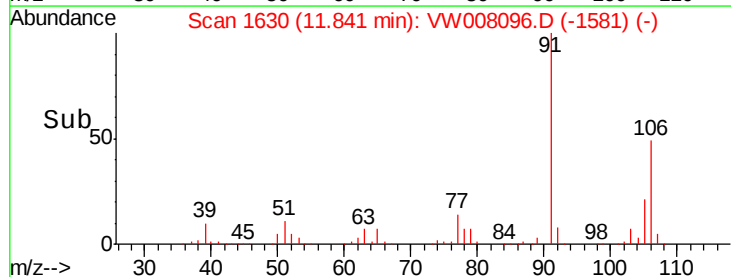
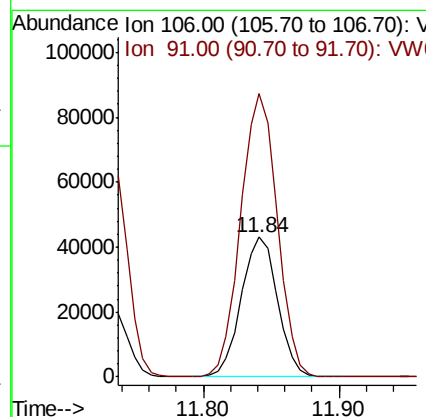
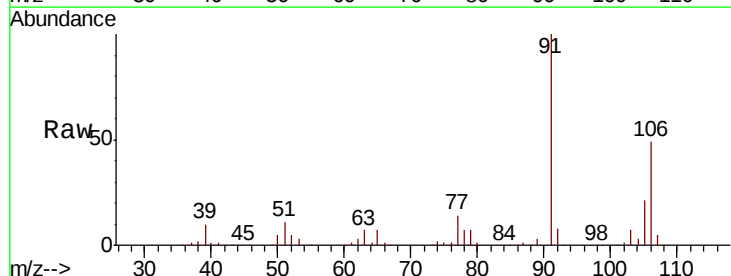
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

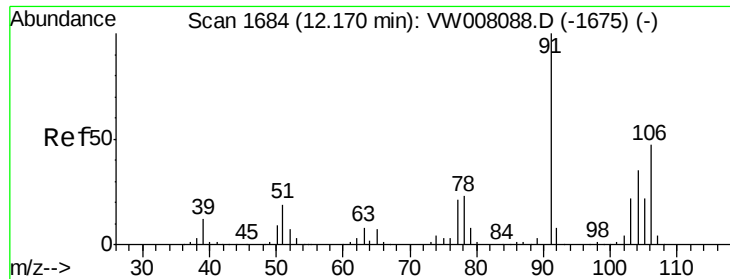
Tgt Ion: 91 Resp: 106186
Ion Ratio Lower Upper
91 100
106 32.2 24.2 36.4



#68
m/p-Xylenes
Concen: 37.374 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion:106 Resp: 80148
Ion Ratio Lower Upper
106 100
91 204.3 162.4 243.6

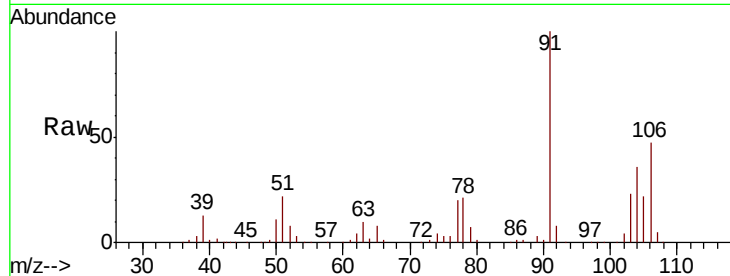




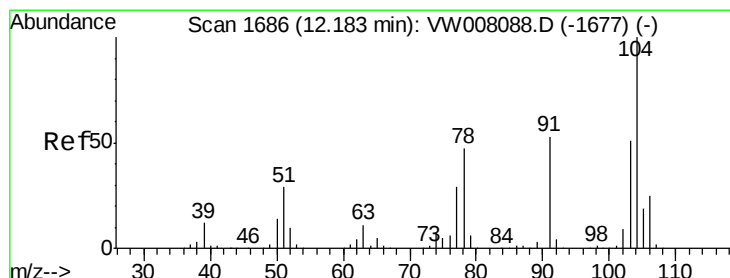
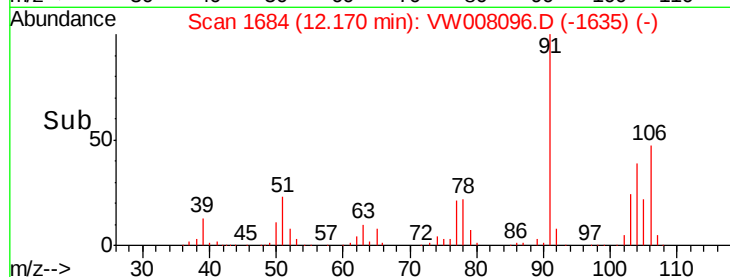
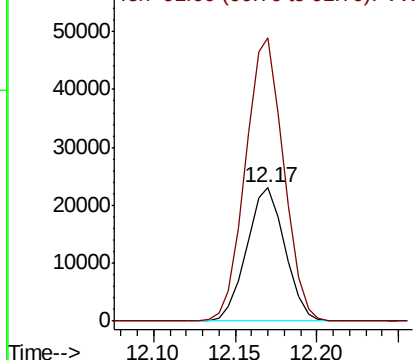
#69
o-Xylene
Concen: 18.872 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Instrument :
MSVOA_W
ClientSampled :
VW0109SBS01

Tgt Ion:106 Resp: 37477
Ion Ratio Lower Upper
106 100
91 212.1 107.8 323.6

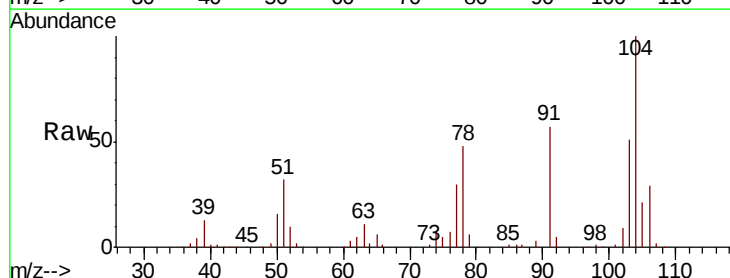


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

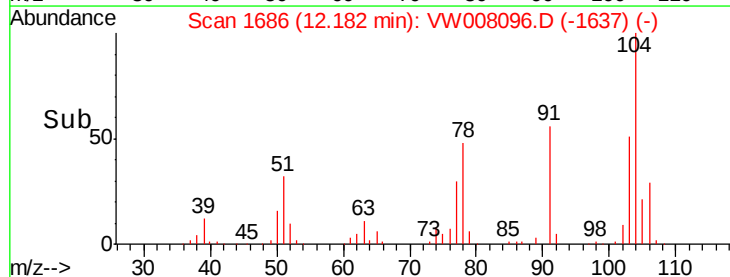
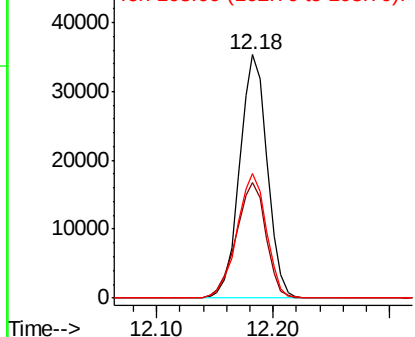


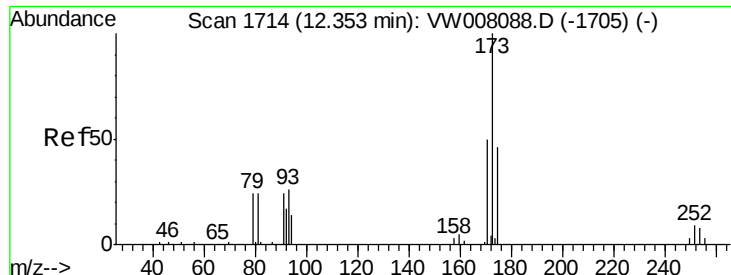
#70
Styrene
Concen: 18.729 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion:104 Resp: 58258
Ion Ratio Lower Upper
104 100
78 51.6 41.8 62.8
103 54.5 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

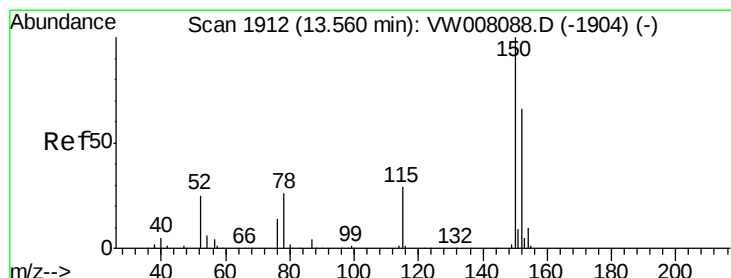
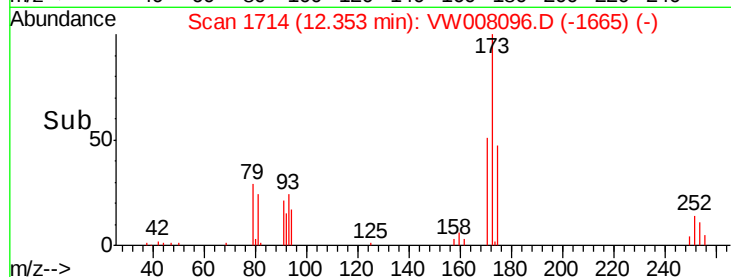
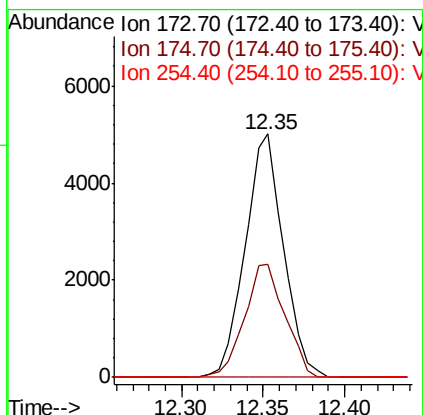
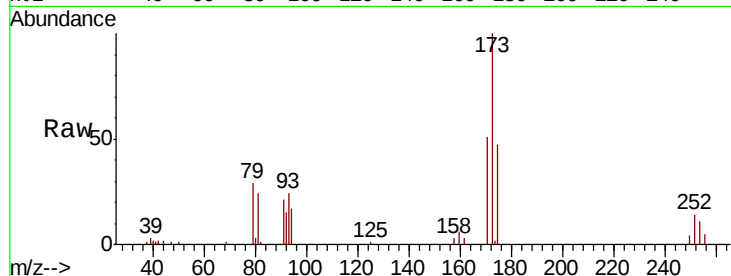




#71
Bromoform
Concen: 18.291 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

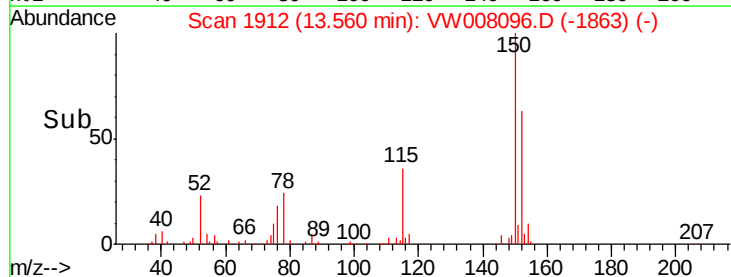
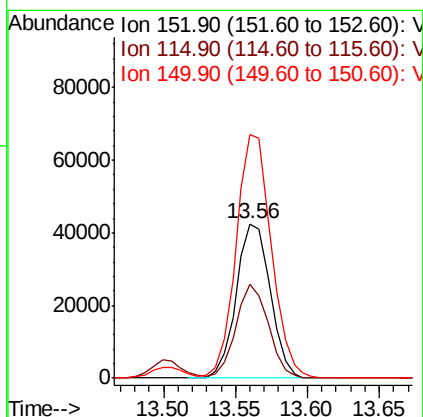
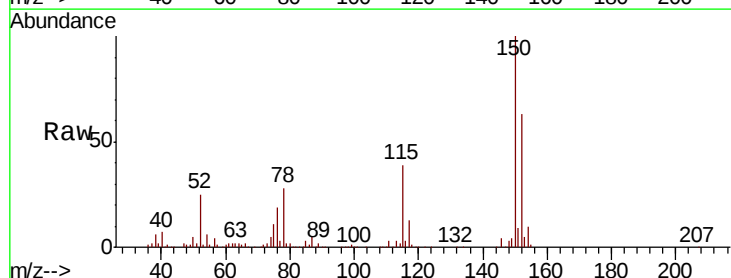
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

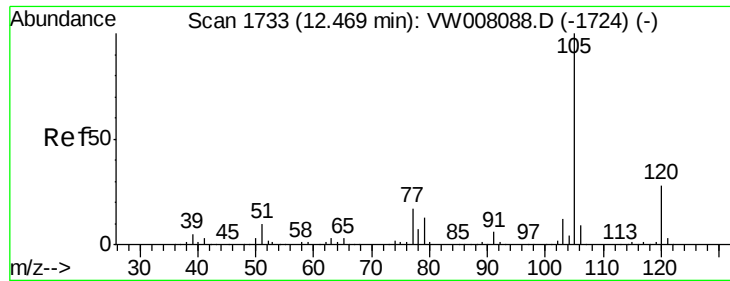
Tgt Ion:173 Resp: 8176
Ion Ratio Lower Upper
173 100
175 49.1 23.3 69.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion:152 Resp: 69739
Ion Ratio Lower Upper
152 100
115 58.1 30.8 92.4
150 163.4 0.0 350.2





#73

Isopropylbenzene

Concen: 18.873 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

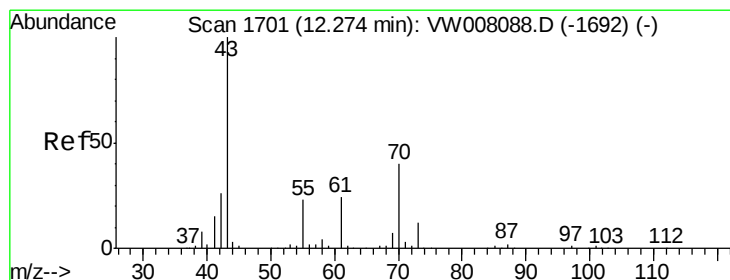
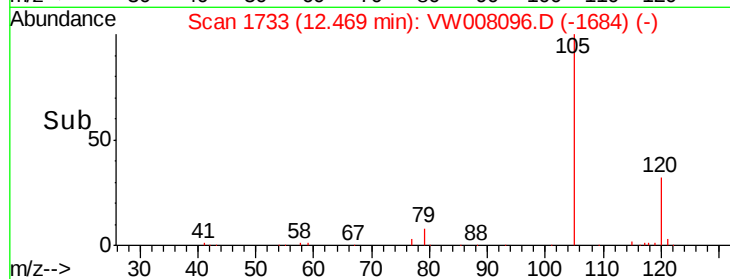
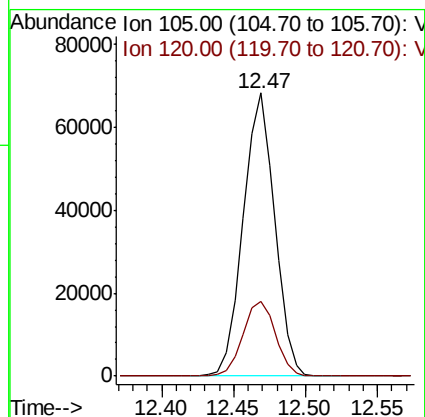
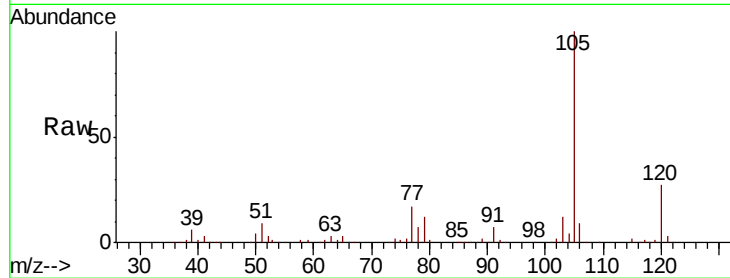
VW0109SBS01

Tgt Ion:105 Resp: 103334

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.8



#74

N-ethyl acetate

Concen: 18.680 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Tgt Ion: 43 Resp: 22649

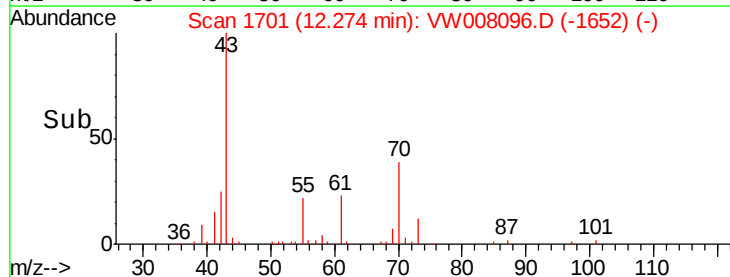
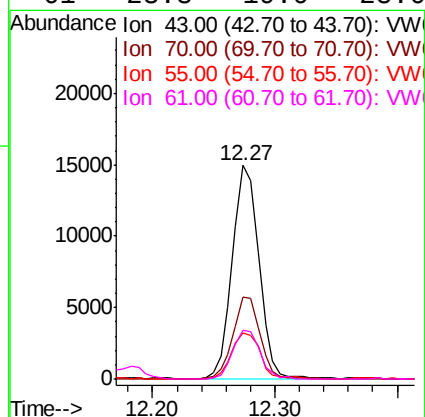
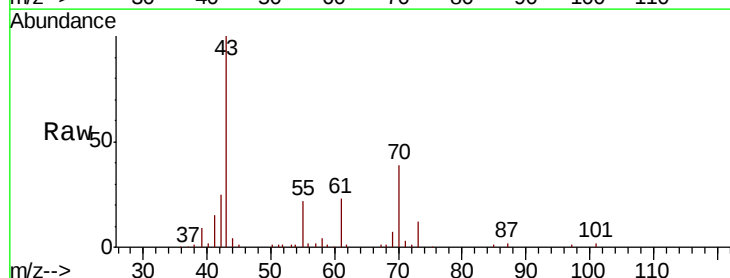
Ion Ratio Lower Upper

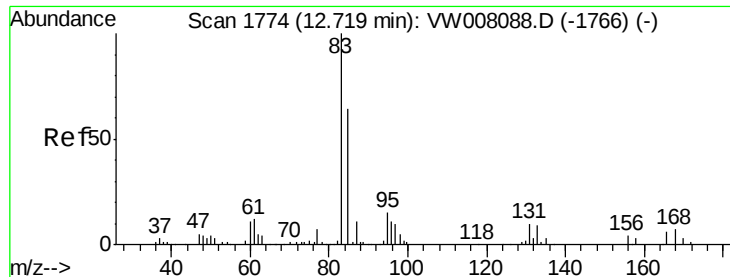
43 100

70 38.9 32.4 48.6

55 23.6 18.7 28.1

61 23.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.341 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

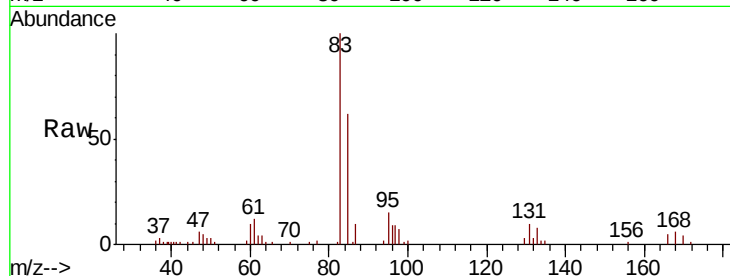
Tgt Ion: 83 Resp: 16074

Ion Ratio Lower Upper

83 100

131 11.4 5.3 16.1

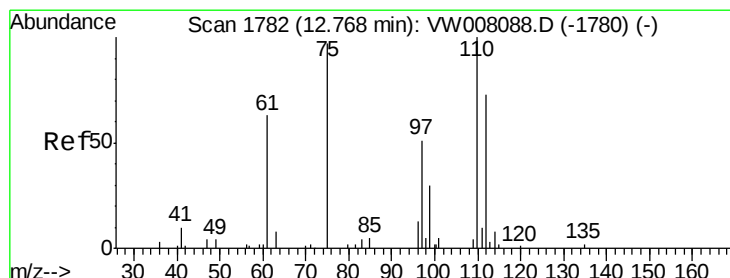
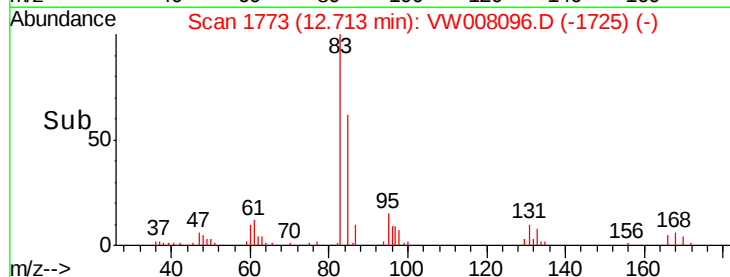
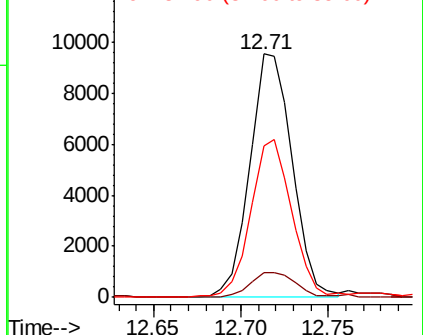
85 63.2 32.4 97.2



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: 34.467 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008096.D

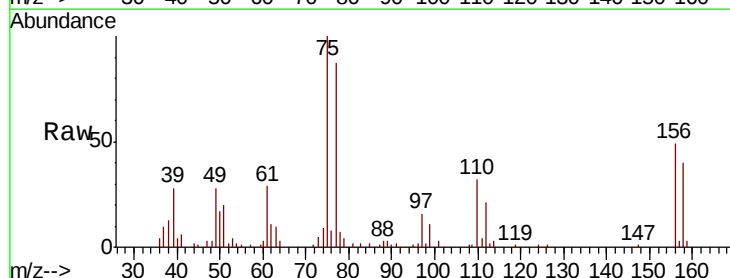
Acq: 09 Jan 2019 12:11

Tgt Ion: 75 Resp: 21912

Ion Ratio Lower Upper

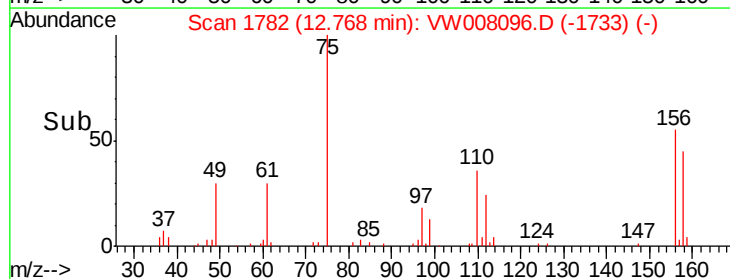
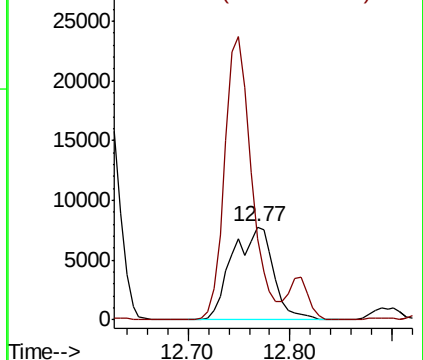
75 100

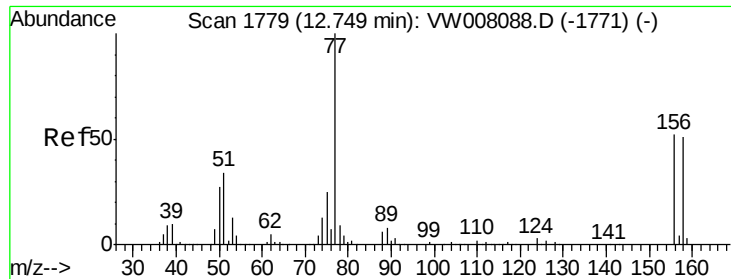
77 199.7 179.4 538.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.696 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

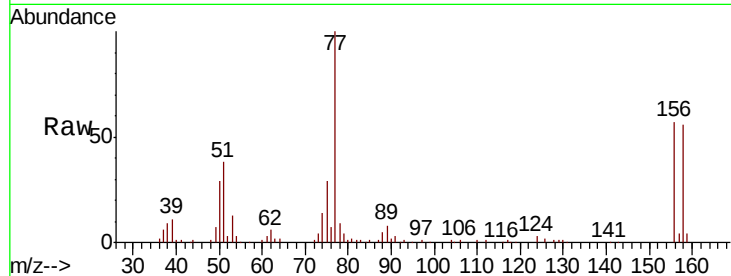
Tgt Ion: 156 Resp: 22786

Ion Ratio Lower Upper

156 100

77 192.0 104.2 312.5

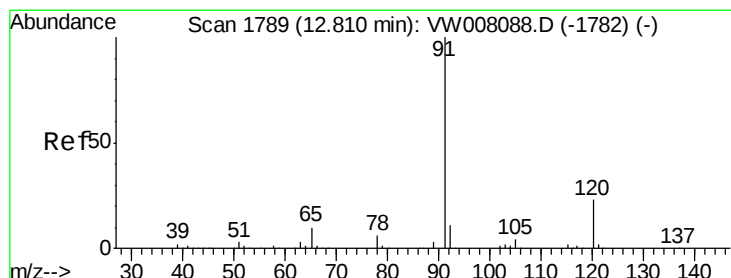
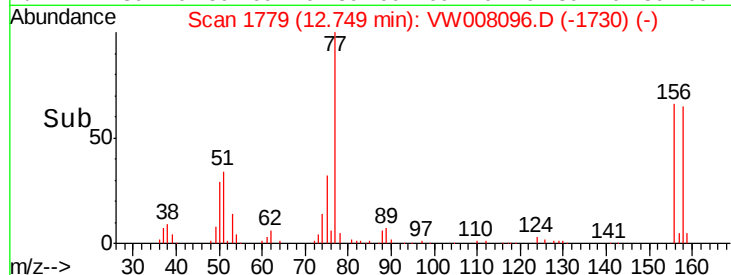
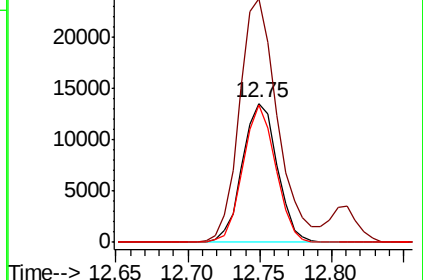
158 91.9 47.9 143.6



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: 19.037 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008096.D

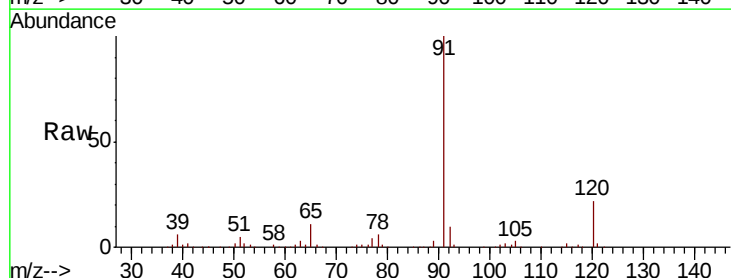
Acq: 09 Jan 2019 12:11

Tgt Ion: 91 Resp: 127713

Ion Ratio Lower Upper

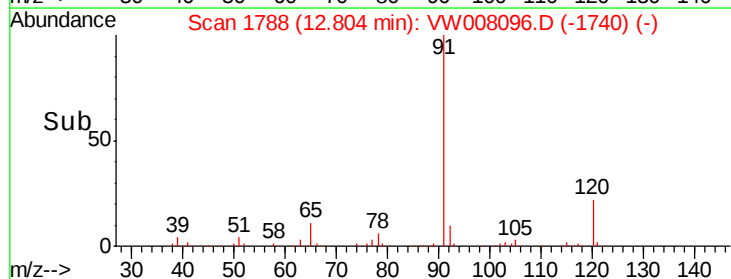
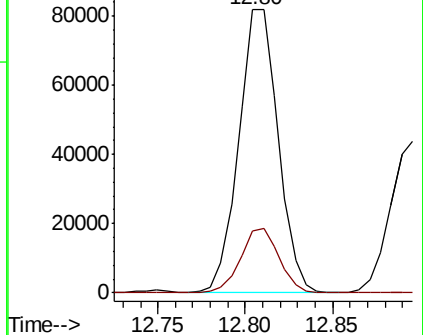
91 100

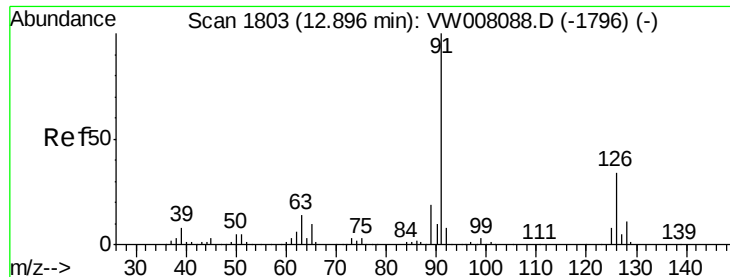
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

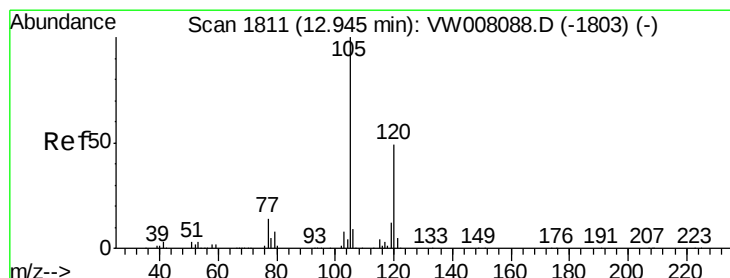
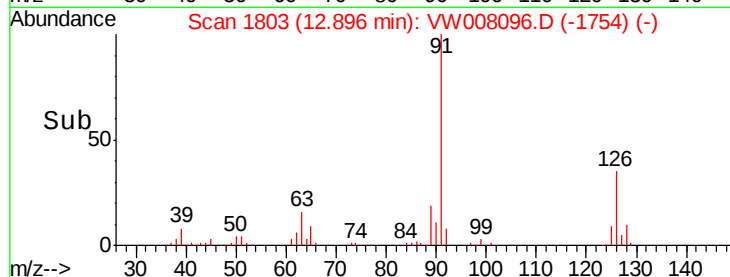
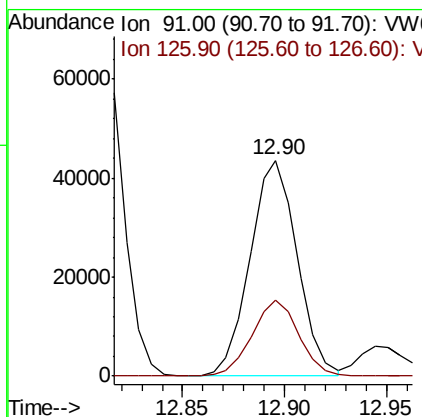
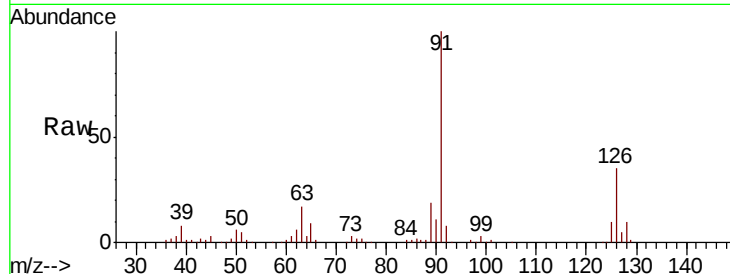




#79
 2-Chlorotoluene
 Concen: 18.739 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

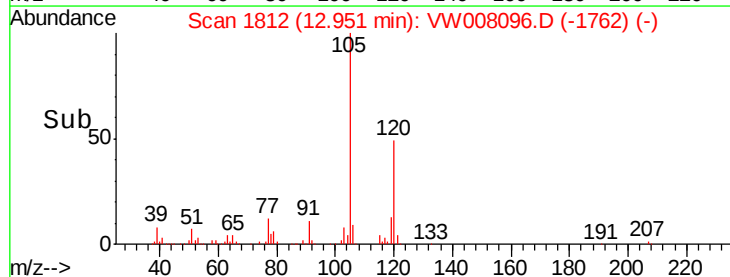
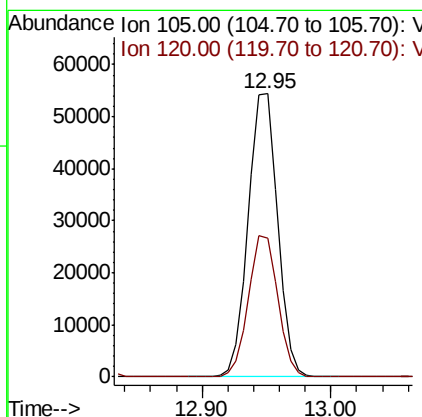
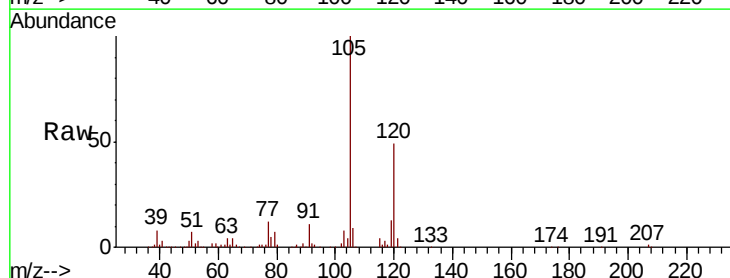
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

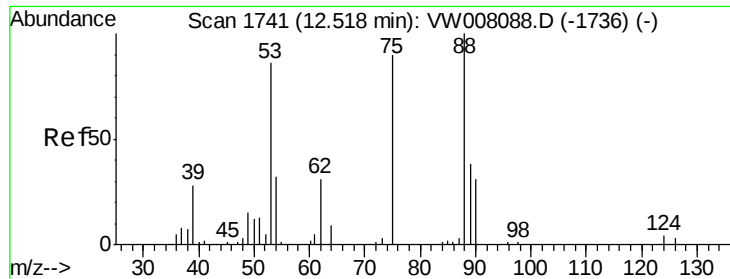
Tgt Ion: 91 Resp: 70135
 Ion Ratio Lower Upper
 91 100
 126 34.7 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 19.049 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion: 105 Resp: 85708
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.7 74.1

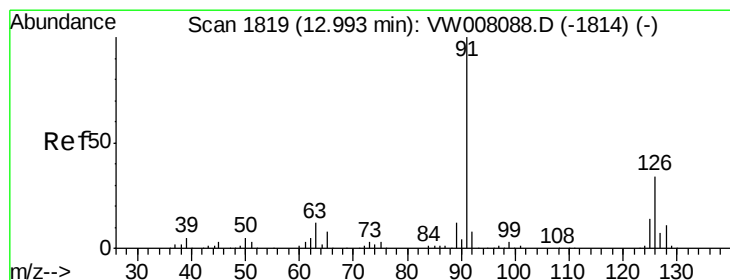
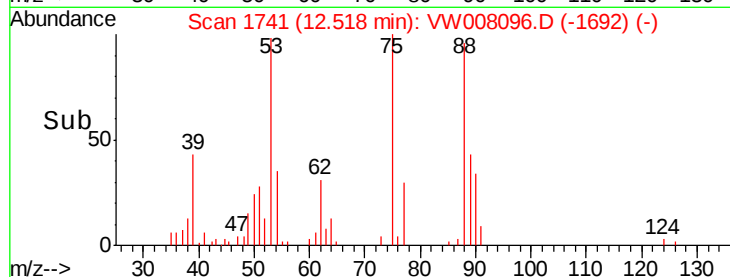
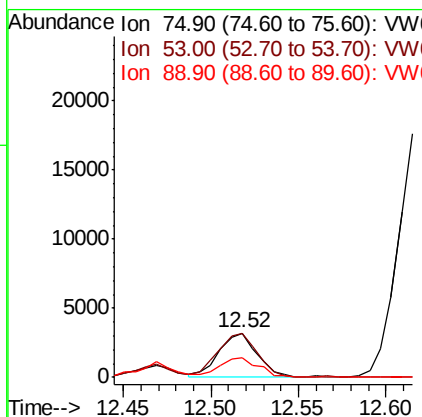
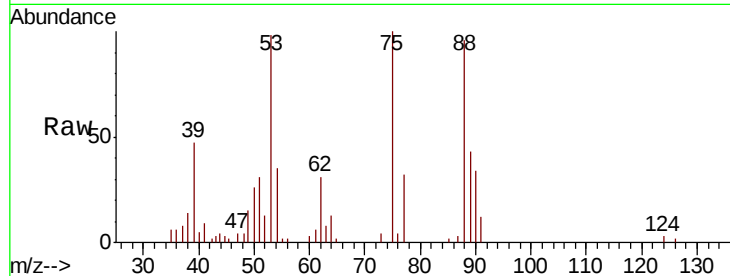




#81
trans-1,4-Dichloro-2-butene
Concen: 18.073 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

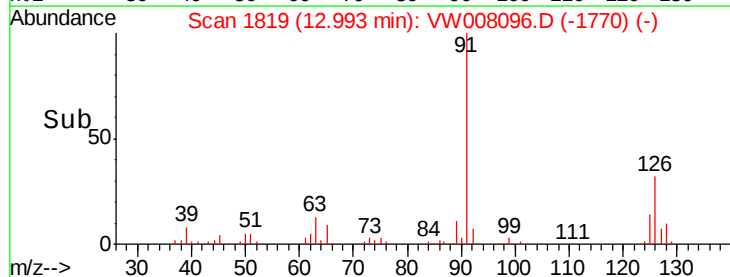
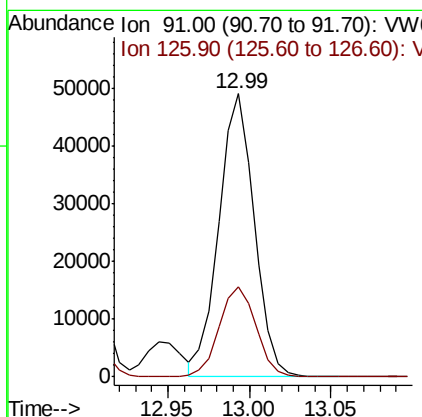
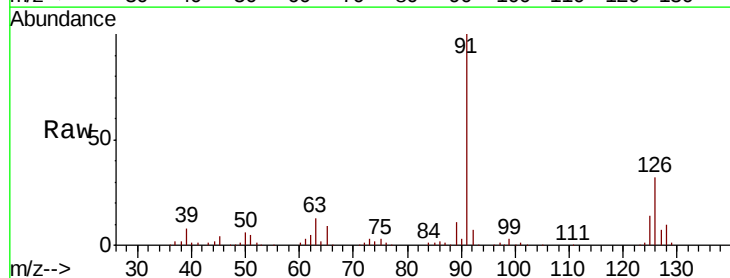
Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

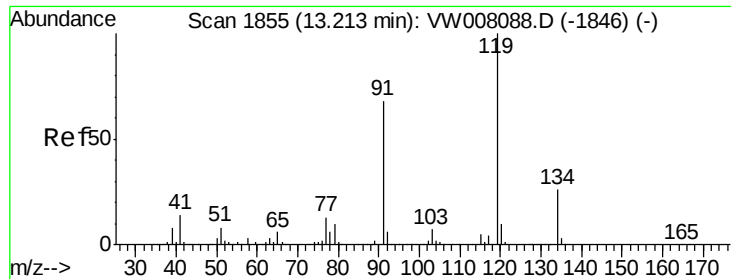
Tgt Ion: 75 Resp: 4934
Ion Ratio Lower Upper
75 100
53 102.5 78.8 118.2
89 43.6 35.4 53.2



#82
4-Chlorotoluene
Concen: 18.822 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion: 91 Resp: 74193
Ion Ratio Lower Upper
91 100
126 33.2 16.5 49.5





#83

tert-Butylbenzene

Concen: 18.764 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

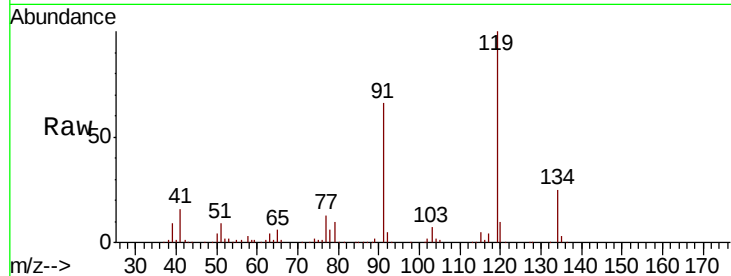
Tgt Ion:119 Resp: 74691

Ion Ratio Lower Upper

119 100

91 65.5 33.9 101.6

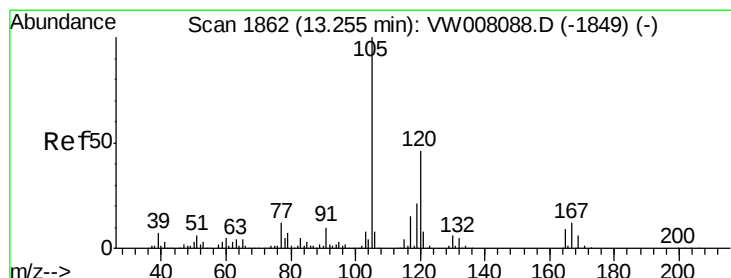
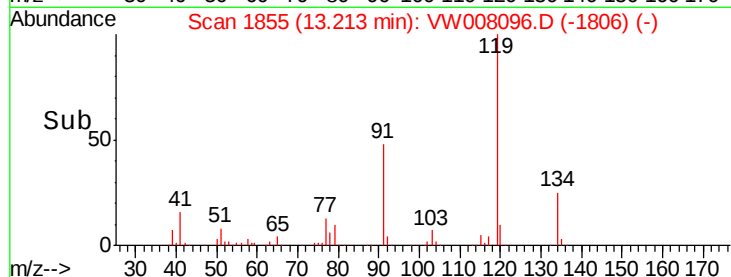
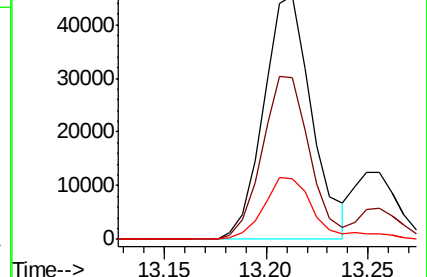
134 27.4 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.678 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008096.D

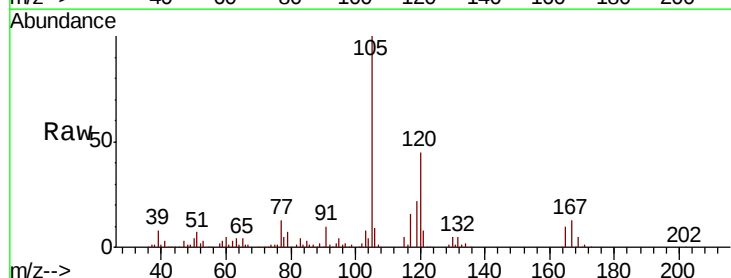
Acq: 09 Jan 2019 12:11

Tgt Ion:105 Resp: 86674

Ion Ratio Lower Upper

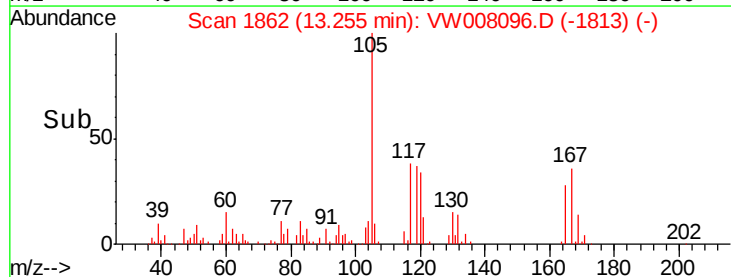
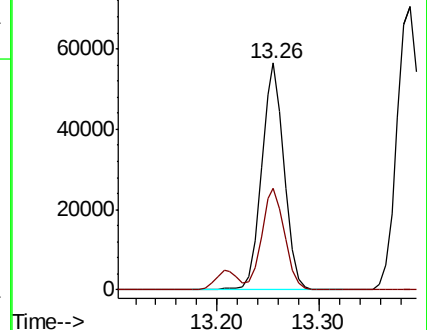
105 100

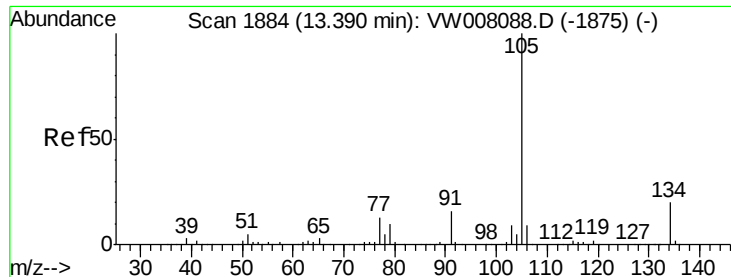
120 45.7 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.858 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

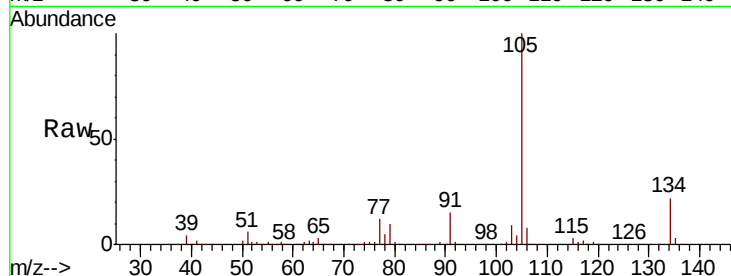
VW0109SBS01

Tgt Ion:105 Resp: 109957

Ion Ratio Lower Upper

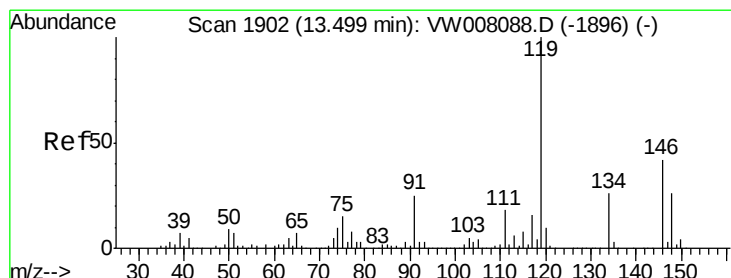
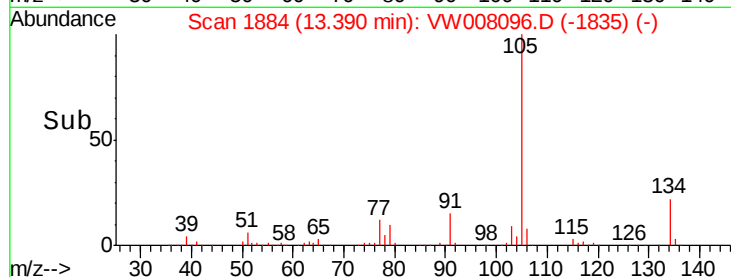
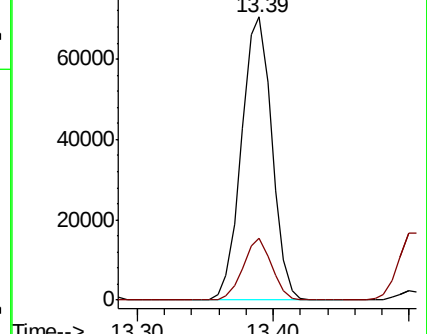
105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.075 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

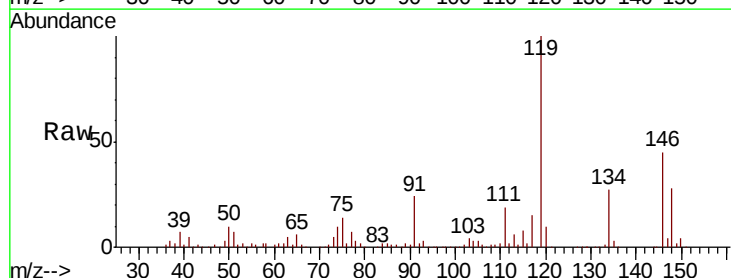
Tgt Ion:119 Resp: 96043

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

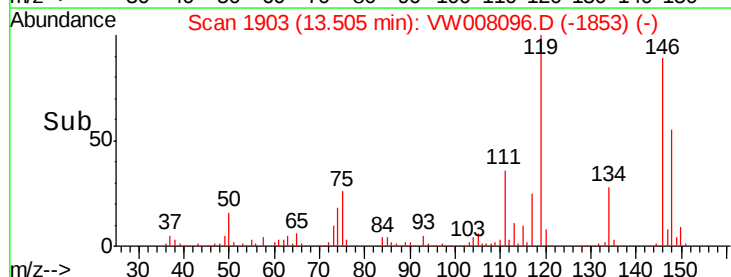
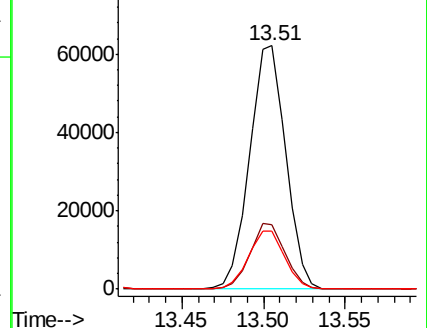
91 24.1 12.3 36.9



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

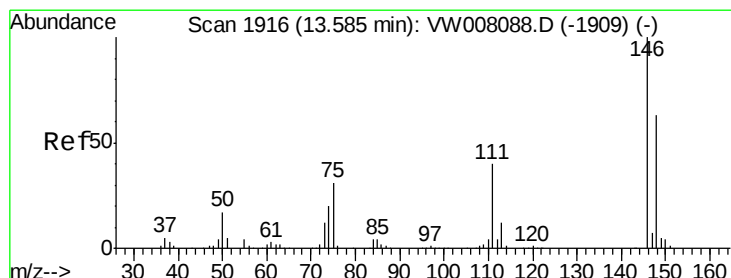
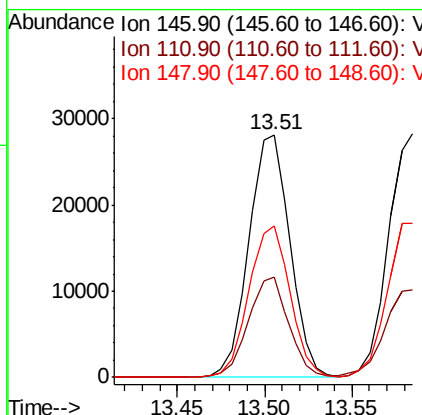
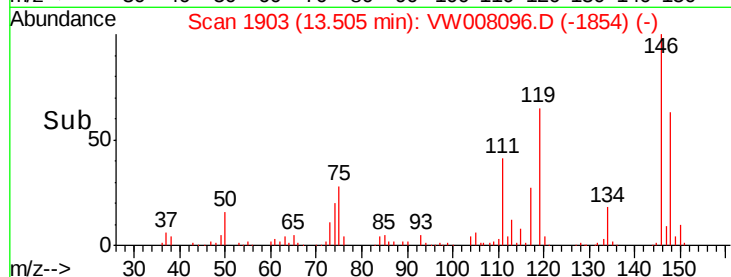
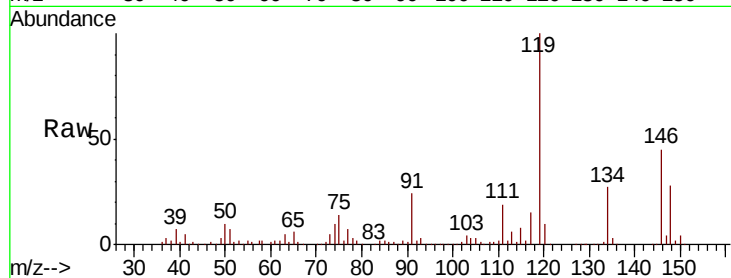




#87
 1,3-Dichlorobenzene
 Concen: 19.626 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

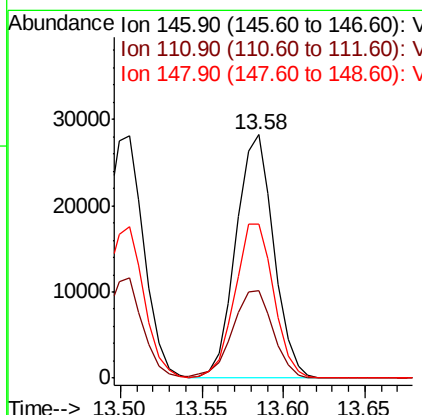
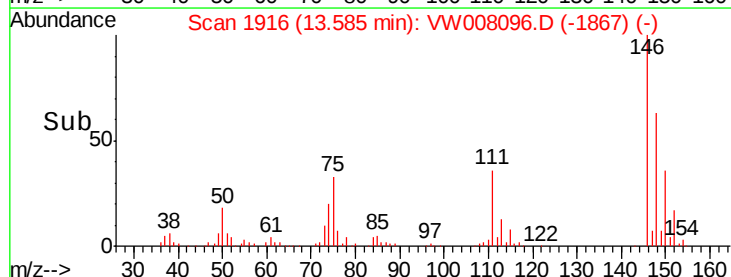
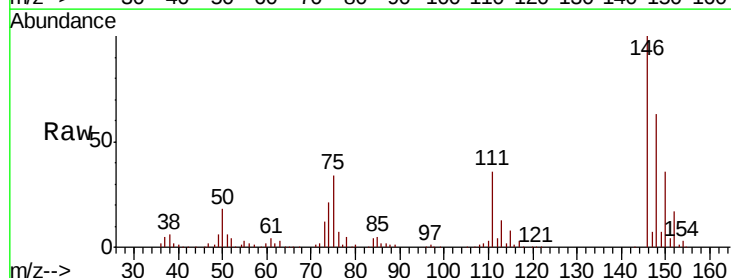
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Tgt Ion:146 Resp: 46057
 Ion Ratio Lower Upper
 146 100
 111 40.4 21.1 63.1
 148 62.7 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 19.321 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion:146 Resp: 45491
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.5 61.5
 148 65.1 31.6 94.8





#89

n-Butylbenzene

Concen: 18.901 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

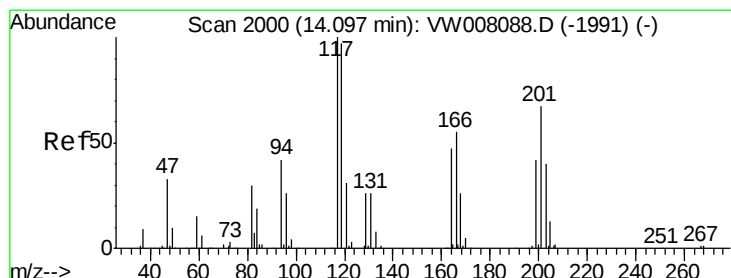
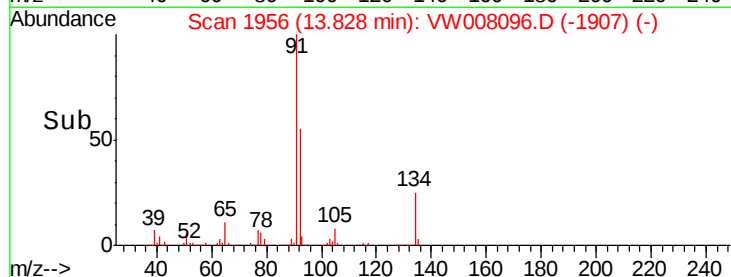
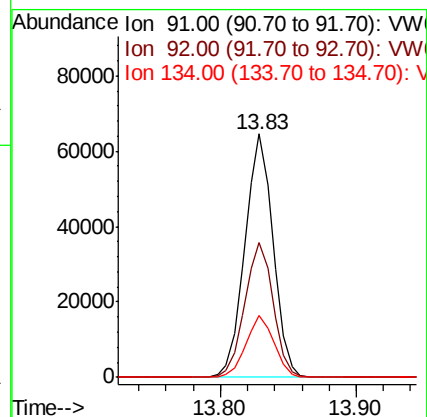
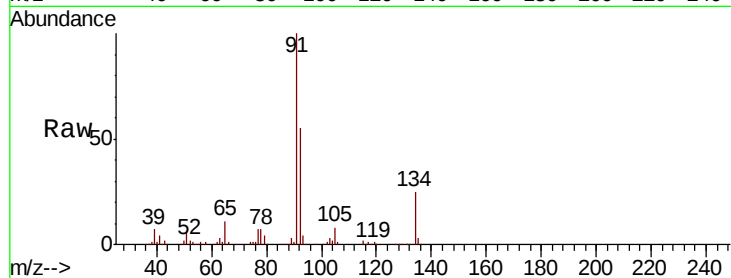
Tgt Ion: 91 Resp: 93208

Ion Ratio Lower Upper

91 100

92 55.8 27.4 82.2

134 25.1 12.6 37.8



#90

Hexachloroethane

Concen: 18.835 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008096.D

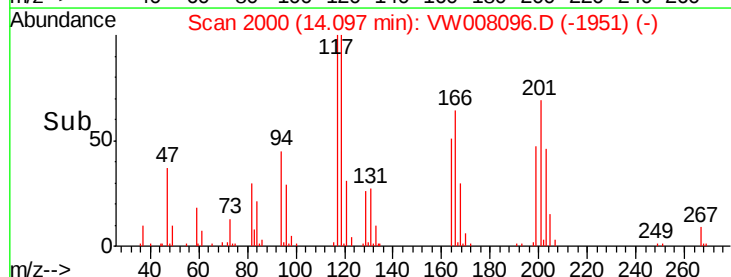
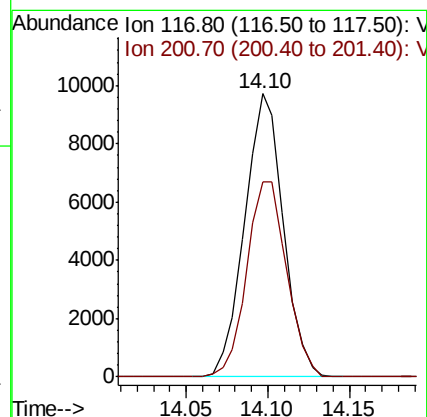
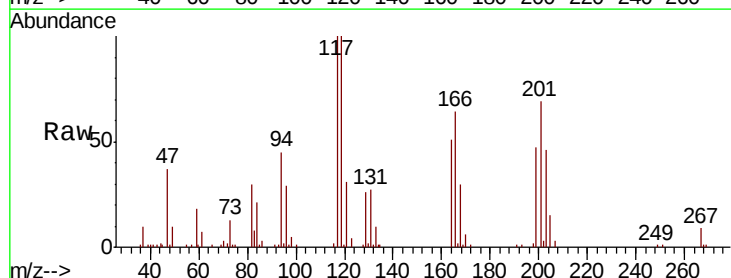
Acq: 09 Jan 2019 12:11

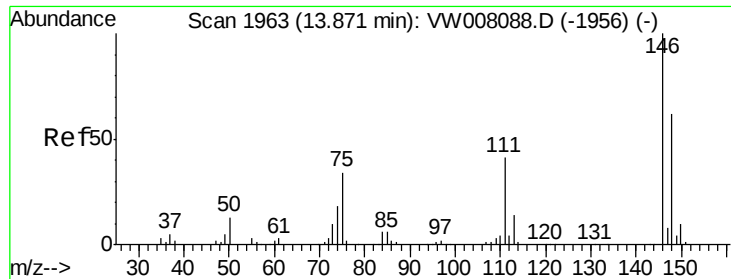
Tgt Ion: 117 Resp: 16018

Ion Ratio Lower Upper

117 100

201 71.2 33.0 98.9





#91

1,2-Dichlorobenzene

Concen: 19.056 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VW0109SBS01

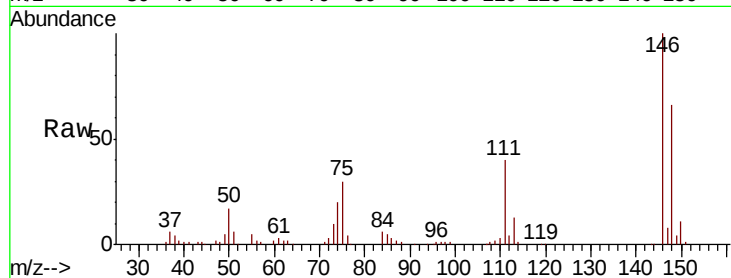
Tgt Ion:146 Resp: 39302

Ion Ratio Lower Upper

146 100

111 42.4 21.3 63.7

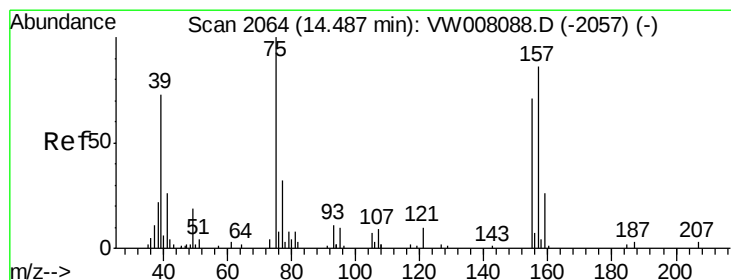
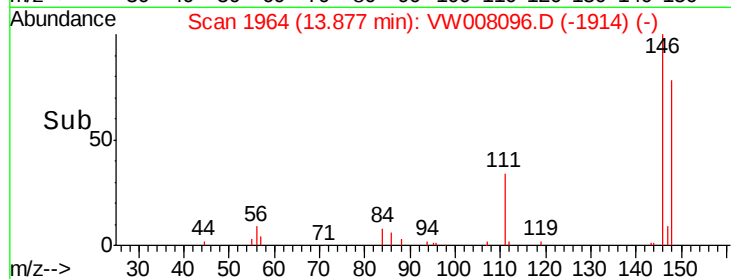
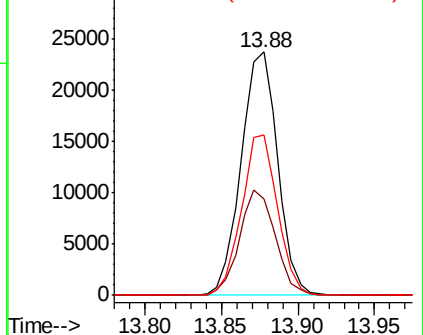
148 64.7 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.868 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW008096.D

Acq: 09 Jan 2019 12:11

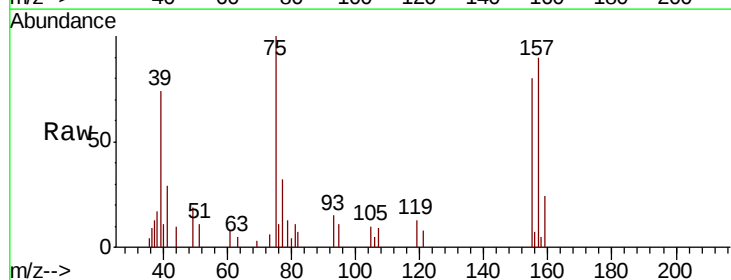
Tgt Ion: 75 Resp: 2520

Ion Ratio Lower Upper

75 100

155 82.0 38.6 115.7

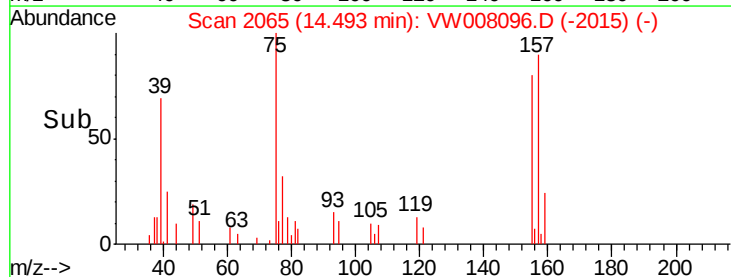
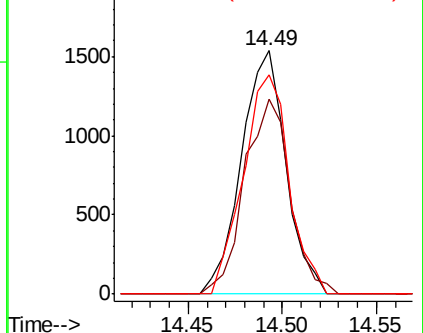
157 92.4 47.5 142.6

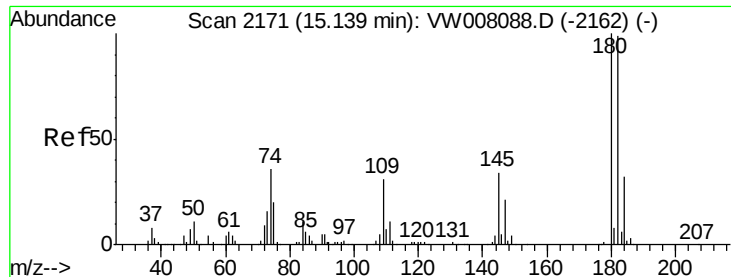


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

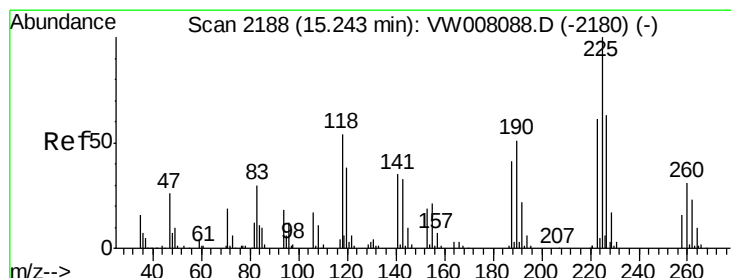
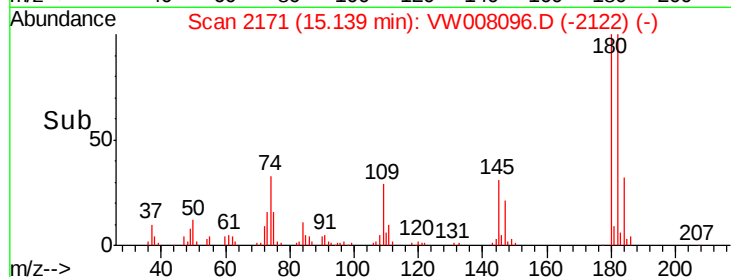
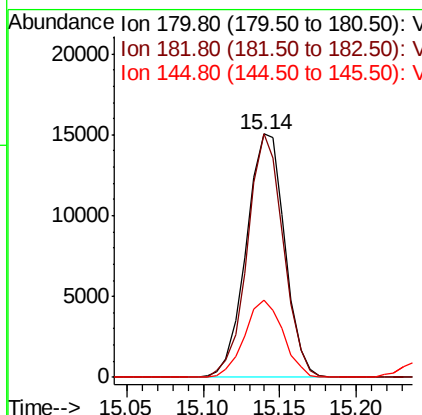
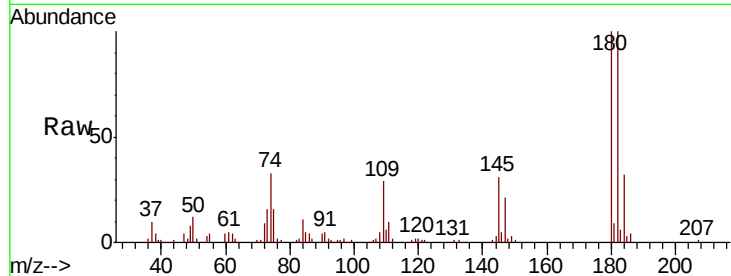




#93
 1,2,4-Trichlorobenzene
 Concen: 19.215 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

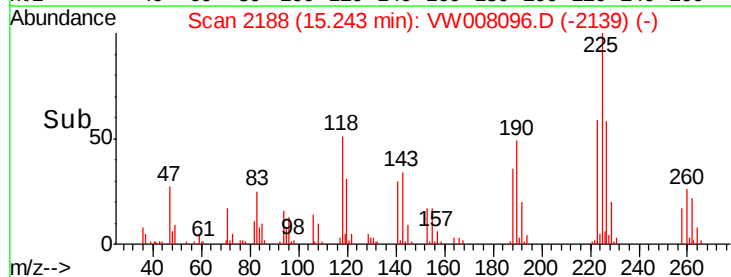
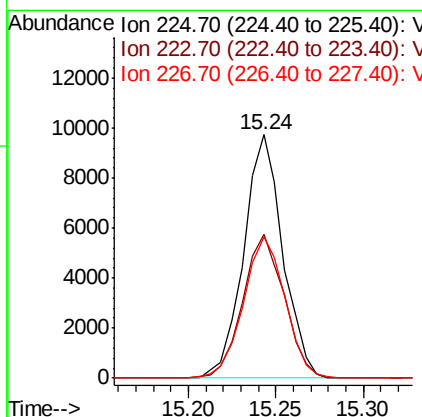
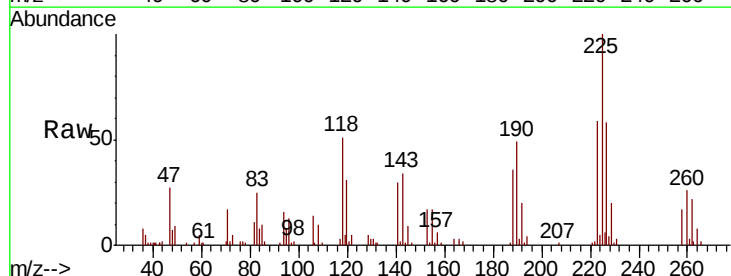
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

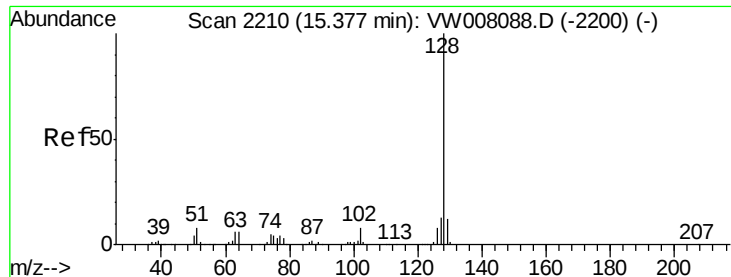
Tgt Ion:180 Resp: 26311
 Ion Ratio Lower Upper
 180 100
 182 93.1 48.6 145.9
 145 31.4 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 20.541 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008096.D
 Acq: 09 Jan 2019 12:11

Tgt Ion:225 Resp: 15055
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.4 94.3
 227 62.1 32.0 96.2

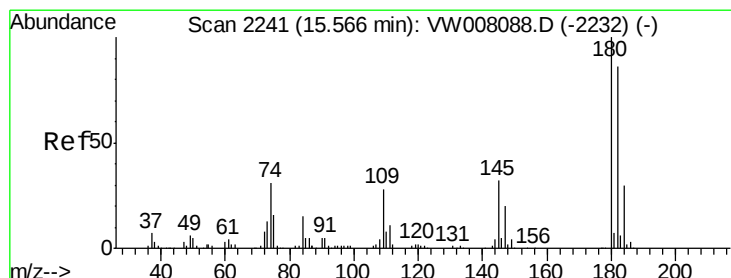
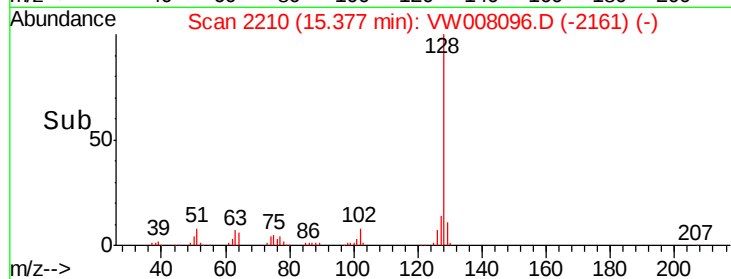
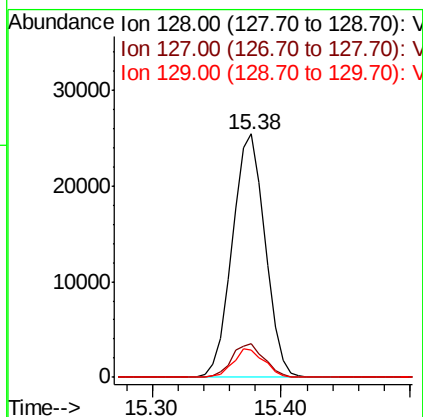
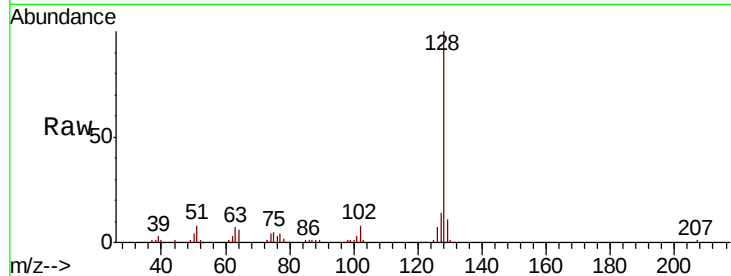




#95
Naphthalene
Concen: 17.624 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VW0109SBS01

Tgt Ion:128 Resp: 45061
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.1 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 18.659 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008096.D
Acq: 09 Jan 2019 12:11

Tgt Ion:180 Resp: 21781
Ion Ratio Lower Upper
180 100
182 97.2 46.5 139.3
145 33.9 17.4 52.2

