

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021219\
 Data File : VW008617.D
 Acq On : 12 Feb 2019 12:45
 Operator : SY/VA
 Sample : VW0212SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

Quant Time: Feb 13 00:35:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	394367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	590855	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	534692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	284024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	209031	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.88	113	193221	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.32	98	733374	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.62	95	272614	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34666	17.474	ug/l	94
3) Chloromethane	2.21	50	59223	18.397	ug/l	99
4) Vinyl Chloride	2.36	62	79806	19.475	ug/l	99
5) Bromomethane	2.78	94	65358	24.727	ug/l	95
6) Chloroethane	2.92	64	63411	25.302	ug/l	95
7) Trichlorofluoromethane	3.24	101	63489	20.854	ug/l	87
8) Diethyl Ether	3.68	74	43426	22.081	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	73802	20.691	ug/l	96
10) Methyl Iodide	4.26	142	113838	20.206	ug/l	99
11) Tert butyl alcohol	5.19	59	30705	98.437	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	70389	19.500	ug/l	97
13) Acrolein	3.89	56	23854	89.411	ug/l	99
14) Allyl chloride	4.65	41	129686	18.920	ug/l	99
15) Acrylonitrile	5.37	53	92961	109.464	ug/l	98
16) Acetone	4.12	43	92799	106.662	ug/l	97
17) Carbon Disulfide	4.37	76	197803	17.157	ug/l	98
18) Methyl Acetate	4.67	43	48794	21.027	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	139060	23.284	ug/l	99
20) Methylene Chloride	4.90	84	84810	21.150	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	84161	20.738	ug/l	89
22) Diisopropyl ether	6.31	45	255164	19.642	ug/l	98
23) Vinyl Acetate	6.25	43	790189	103.012	ug/l	100
24) 1,1-Dichloroethane	6.21	63	148959	20.257	ug/l	99
25) 2-Butanone	7.17	43	128907	106.671	ug/l	99
26) 2,2-Dichloropropane	7.16	77	97612	19.638	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	88982	20.119	ug/l	97
28) Bromochloromethane	7.51	49	68313	20.226	ug/l	98
29) Tetrahydrofuran	7.52	42	84157	109.895	ug/l	96
30) Chloroform	7.67	83	149719	20.700	ug/l	99
31) Cyclohexane	7.95	56	140024	18.416	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	127952	20.482	ug/l	98
36) 1,1-Dichloropropene	8.07	75	117780	21.103	ug/l	99
37) Ethyl Acetate	7.25	43	58691	23.768	ug/l	98
38) Carbon Tetrachloride	8.06	117	119702	21.313	ug/l	96

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Feb 13 00:35:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	147292	20.089	ug/l	98
40) Benzene	8.32	78	325549	21.020	ug/l	99
41) Methacrylonitrile	7.48	41	34019	23.267	ug/l	98
42) 1,2-Dichloroethane	8.40	62	102814	22.908	ug/l	100
43) Isopropyl Acetate	8.42	43	118673	23.133	ug/l	99
44) Trichloroethene	9.09	130	91570	21.743	ug/l	94
45) 1,2-Dichloropropane	9.37	63	82251	21.300	ug/l	98
46) Dibromomethane	9.46	93	45166	22.740	ug/l	98
47) Bromodichloromethane	9.64	83	110947	21.119	ug/l	99
48) Methyl methacrylate	9.44	41	53518	21.335	ug/l	94
49) 1,4-Dioxane	9.46	88	13997	416.923	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	296933	117.160	ug/l	99
52) Toluene	10.38	92	209635	20.505	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	117685	21.053	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	132206	20.840	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	63978	23.223	ug/l	95
56) Ethyl methacrylate	10.65	69	83442	21.616	ug/l	96
57) 1,3-Dichloropropane	10.93	76	114277	23.154	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	216580	115.474	ug/l	99
59) 2-Hexanone	10.97	43	210734	117.781	ug/l	99
60) Dibromochloromethane	11.13	129	76209	21.526	ug/l	100
61) 1,2-Dibromoethane	11.23	107	61035	22.344	ug/l	99
64) Tetrachloroethene	10.86	164	77850	21.504	ug/l	98
65) Chlorobenzene	11.66	112	235090	21.538	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	83384	21.352	ug/l	98
67) Ethyl Benzene	11.73	91	412732	20.571	ug/l	99
68) m/p-Xylenes	11.84	106	317888	40.836	ug/l	100
69) o-Xylene	12.16	106	155627	21.041	ug/l	95
70) Styrene	12.18	104	247254	20.238	ug/l	98
71) Bromoform	12.35	173	45375	20.651	ug/l #	100
73) Isopropylbenzene	12.46	105	423899	20.019	ug/l	99
74) N-amyl acetate	12.27	43	112021	20.536	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	76507	22.822	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52814m	21.387	ug/l	
77) Bromobenzene	12.75	156	99088	21.428	ug/l	94
78) n-propylbenzene	12.80	91	504725	19.846	ug/l	98
79) 2-Chlorotoluene	12.90	91	284188	19.802	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	350931	19.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23655	18.920	ug/l	90
82) 4-Chlorotoluene	12.99	91	295422	19.335	ug/l	96
83) tert-Butylbenzene	13.21	119	308129	19.564	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	360123	20.019	ug/l	100
85) sec-Butylbenzene	13.38	105	447926	19.915	ug/l	99
86) p-Isopropyltoluene	13.50	119	395509	20.074	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	198817	21.288	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	196091	21.127	ug/l	99
89) n-Butylbenzene	13.83	91	378789	19.581	ug/l	100
90) Hexachloroethane	14.10	117	72828	18.902	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	175246	21.207	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13408	21.079	ug/l	98

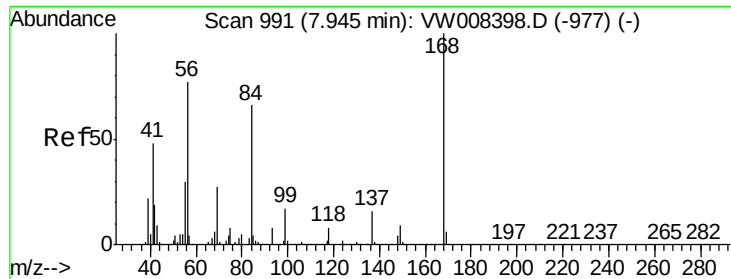
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021219\
Data File : VW008617.D
Acq On : 12 Feb 2019 12:45
Operator : SY/VA
Sample : VW0212SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

Quant Time: Feb 13 00:35:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	133163	22.582	ug/l	98
94) Hexachlorobutadiene	15.24	225	78629	22.125	ug/l	100
95) Naphthalene	15.37	128	238526	23.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	113566	22.703	ug/l	100

(#) = 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: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

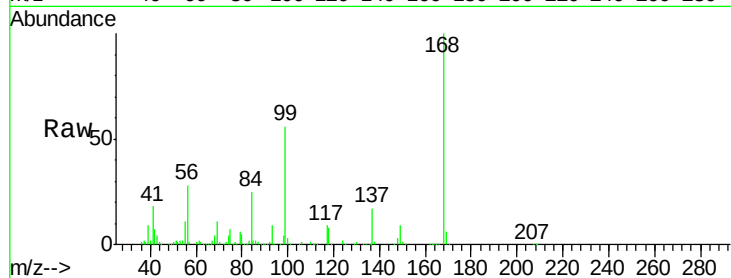
VW0212SBSD01

Tot Ion:168 Resp: 394367

Ion Ratio Lower Upper

168 100

99 56.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

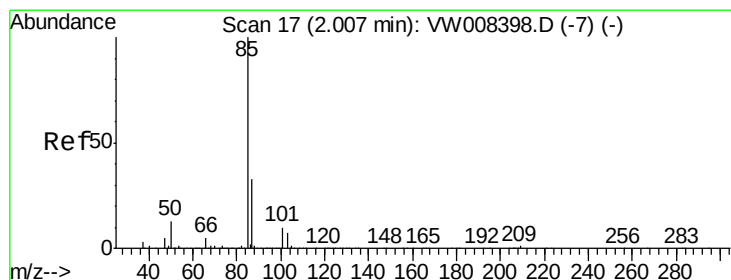
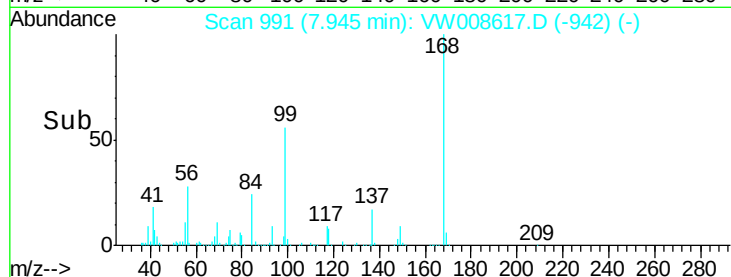
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 17.474 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008617.D

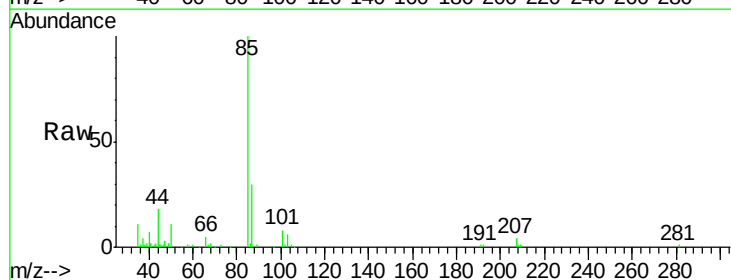
Acq: 12 Feb 2019 12:45

Tgt Ion: 85 Resp: 34666

Ion Ratio Lower Upper

85 100

87 29.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

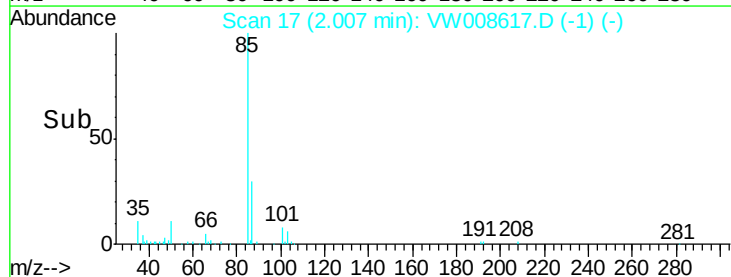
2.01

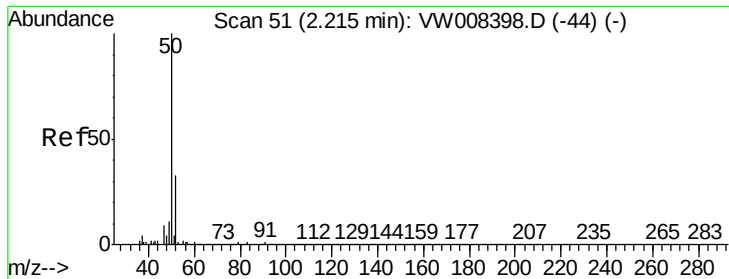
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.397 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

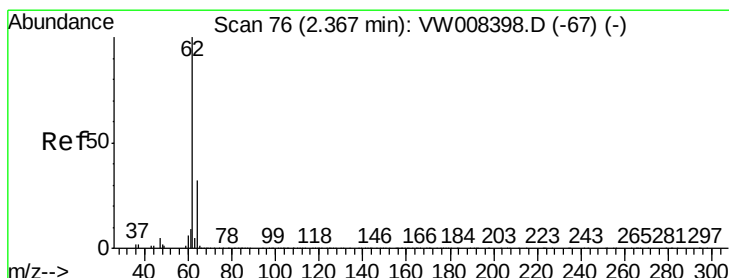
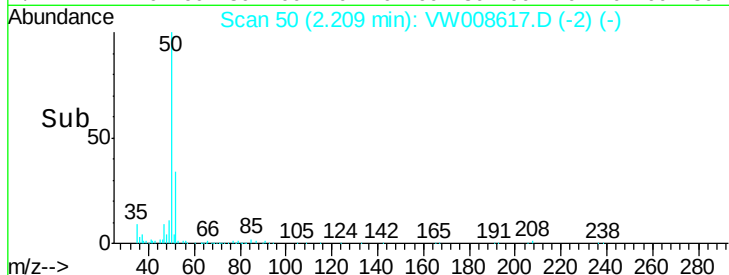
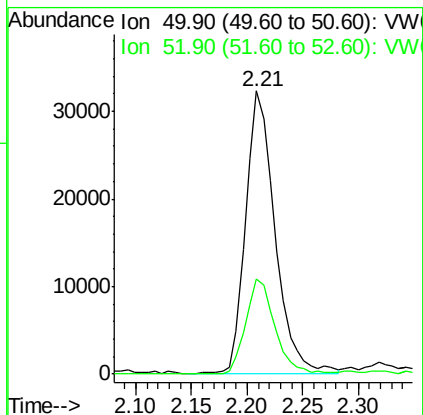
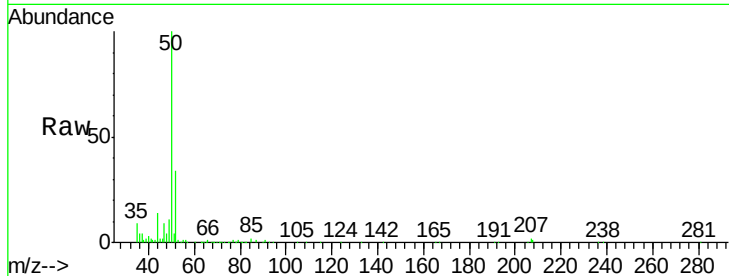
VW0212SBSD01

Tot Ion: 50 Resp: 59223

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



#4

Vinyl Chloride

Concen: 19.475 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008617.D

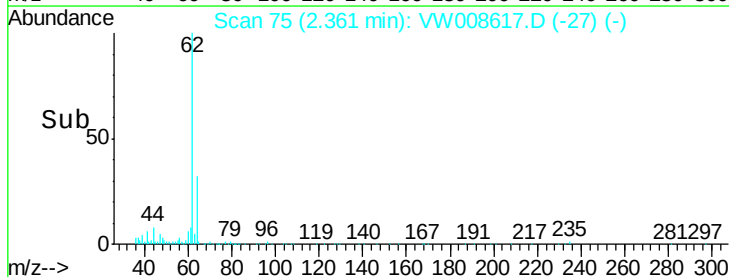
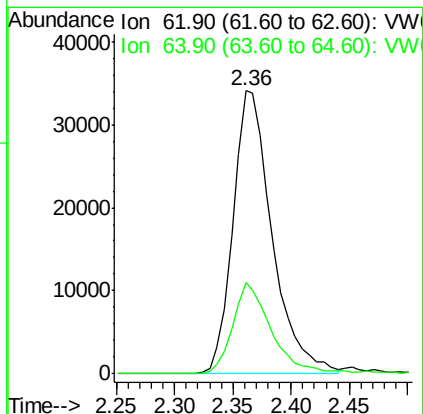
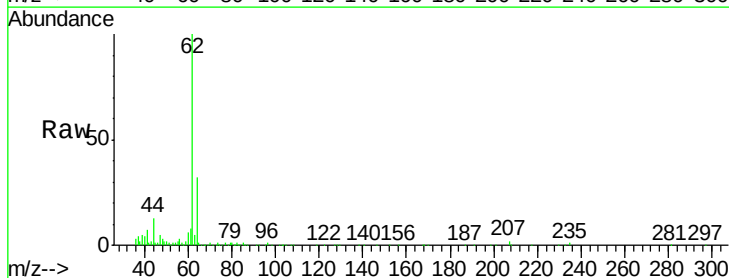
Acq: 12 Feb 2019 12:45

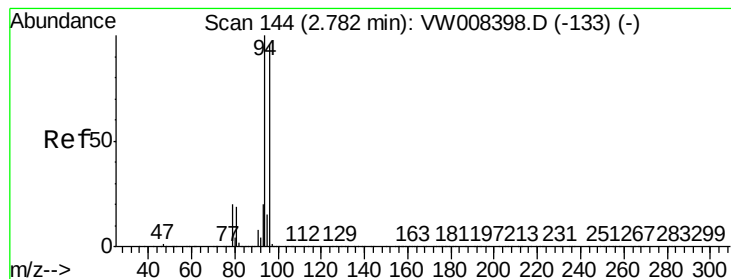
Tgt Ion: 62 Resp: 79806

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 24.727 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

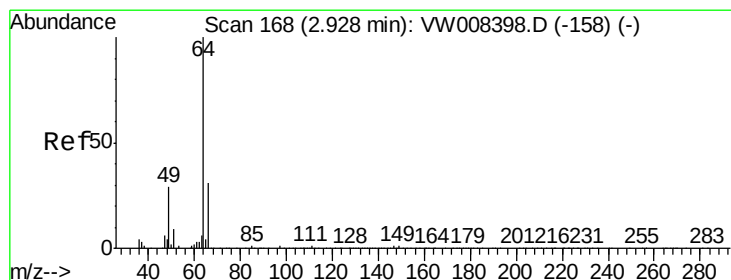
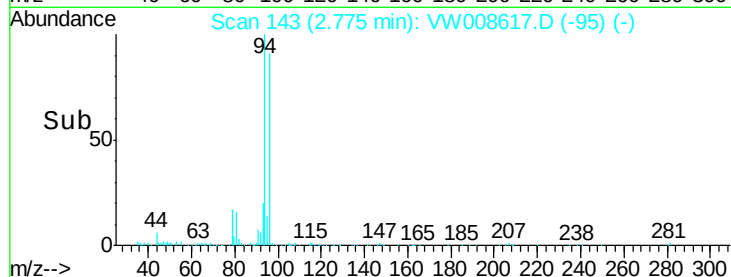
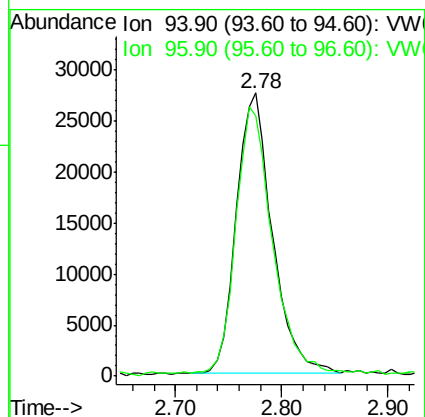
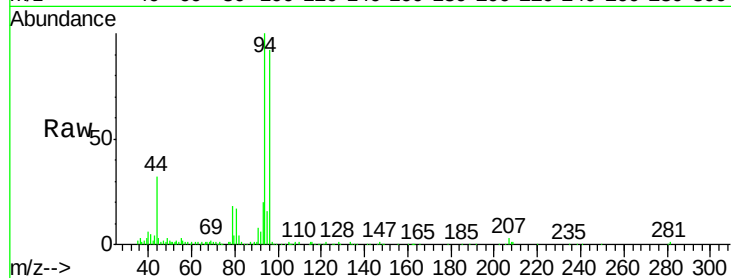
VW0212SBSD01

Tot Ion: 94 Resp: 65358

Ion Ratio Lower Upper

94 100

96 91.7 77.2 115.8



#6

Chloroethane

Concen: 25.302 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008617.D

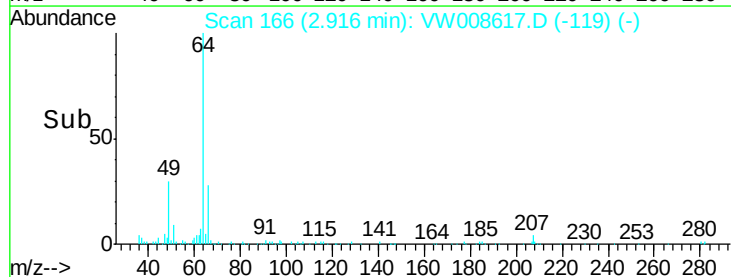
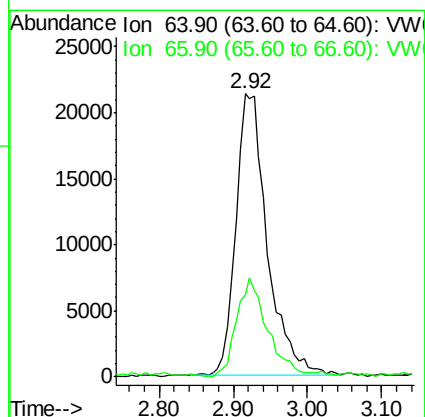
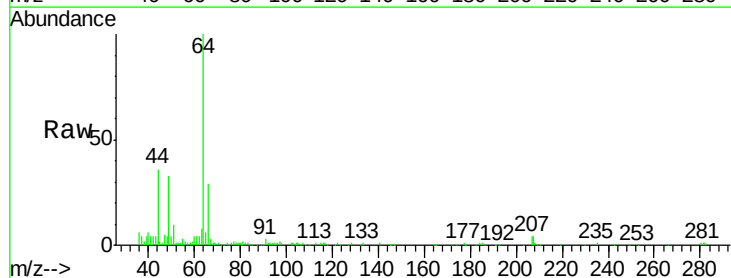
Acq: 12 Feb 2019 12:45

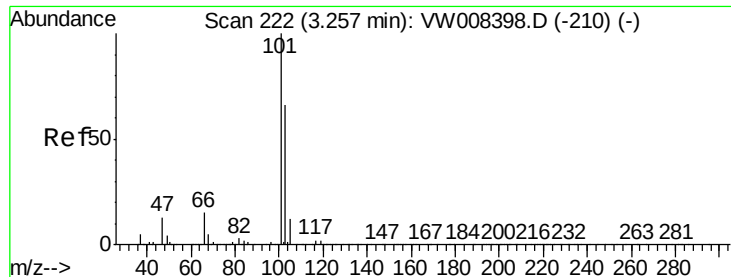
Tgt Ion: 64 Resp: 63411

Ion Ratio Lower Upper

64 100

66 28.1 24.9 37.3



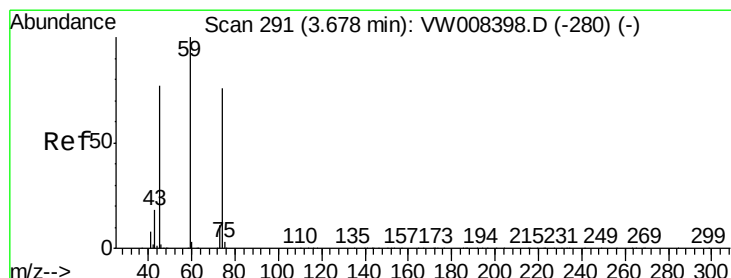
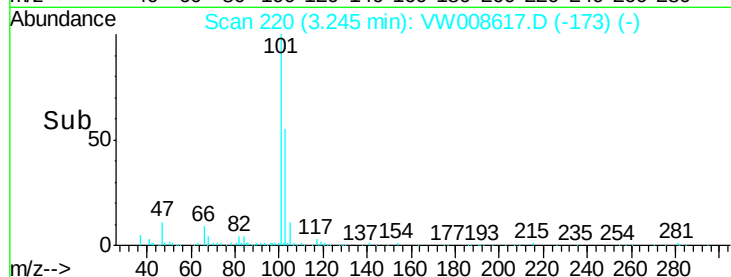
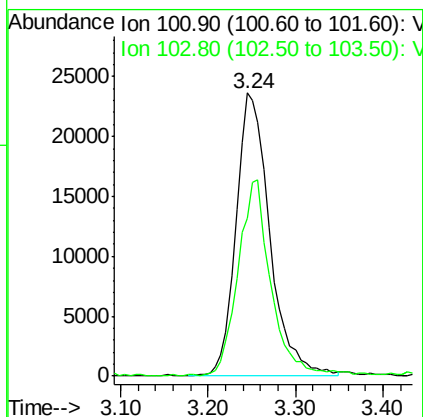
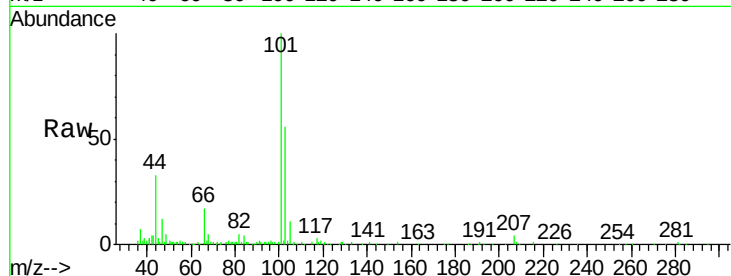


#7

Trichlorofluoromethane
Concen: 20.854 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

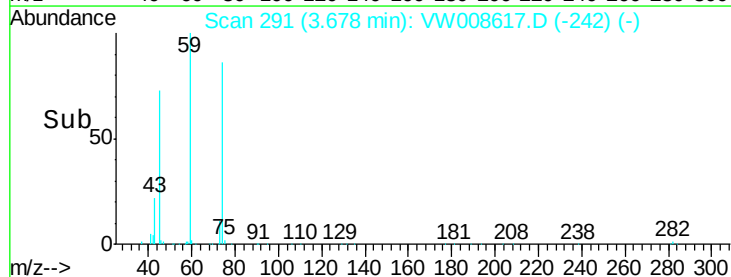
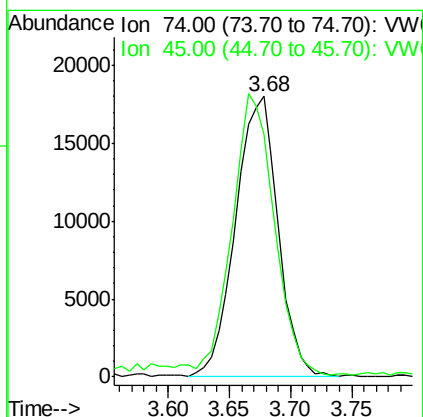
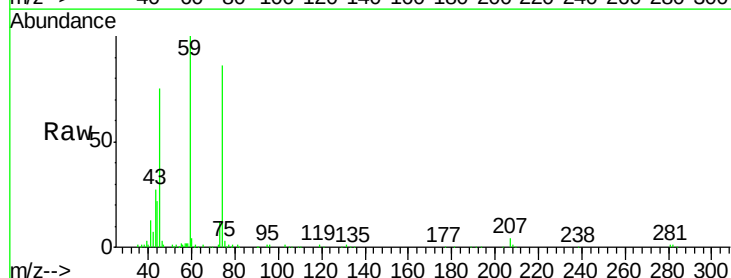
Tot Ion:101 Resp: 63489
Ion Ratio Lower Upper
101 100
103 55.3 52.5 78.7

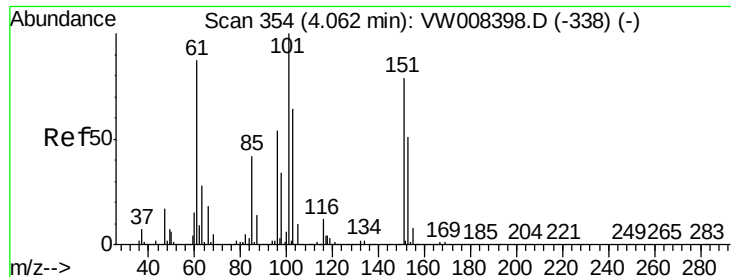


#8

Diethyl Ether
Concen: 22.081 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 74 Resp: 43426
Ion Ratio Lower Upper
74 100
45 98.7 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.691 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

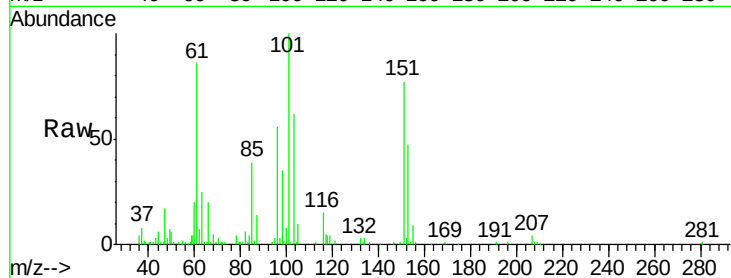
Tot Ion:101 Resp: 73802

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.4

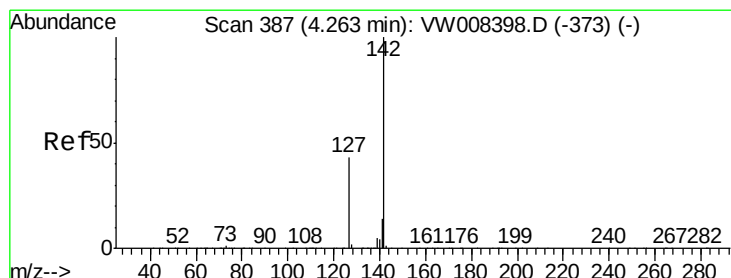
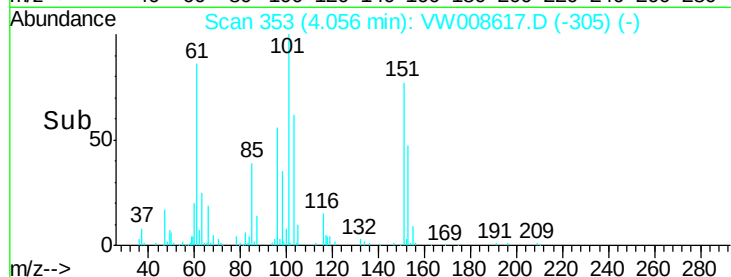
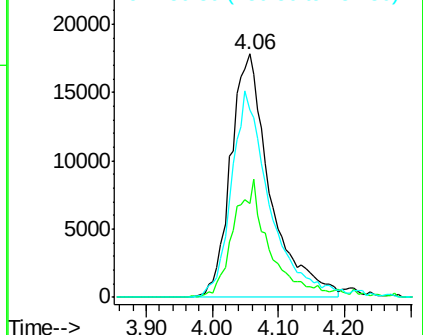
151 82.7 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.206 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

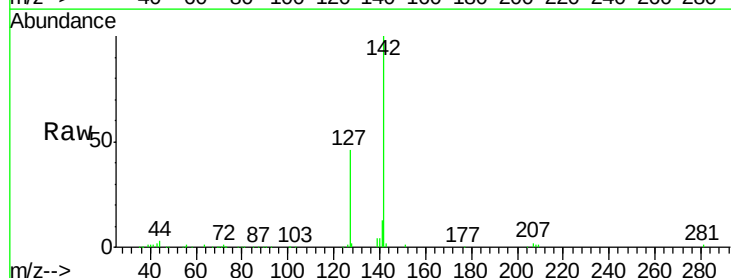
Tgt Ion:142 Resp: 113838

Ion Ratio Lower Upper

142 100

127 43.9 34.6 52.0

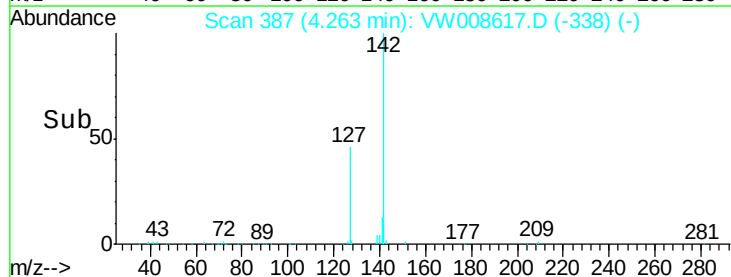
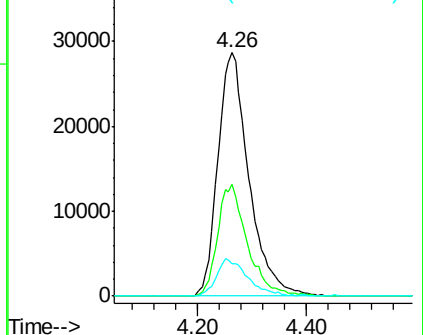
141 15.1 11.4 17.2

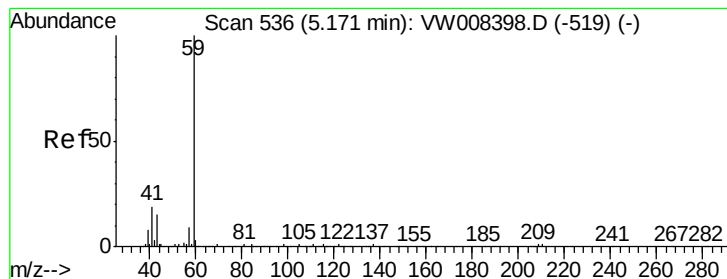


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



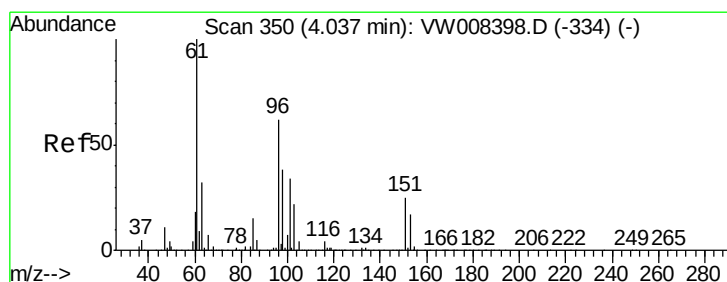
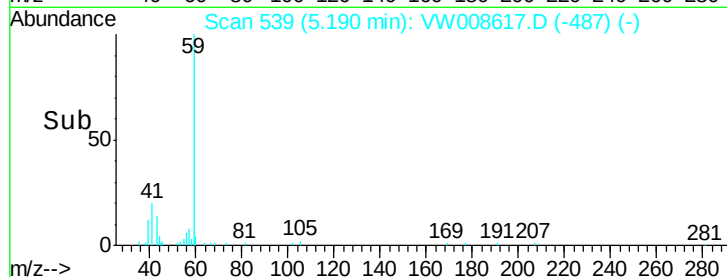
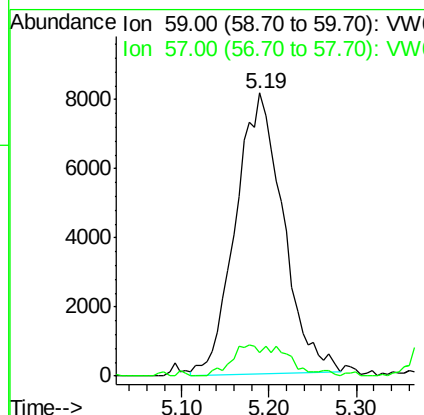
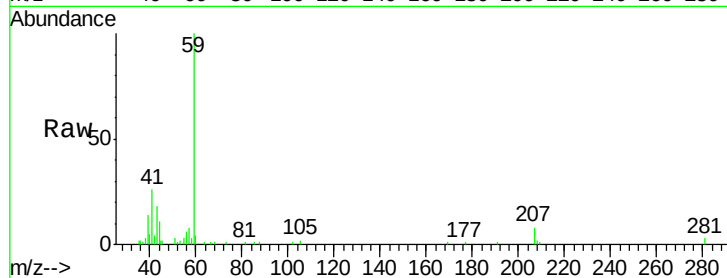


#11

Tert butyl alcohol
Concen: 98.437 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

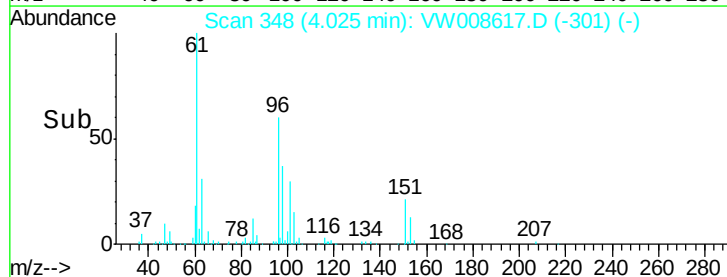
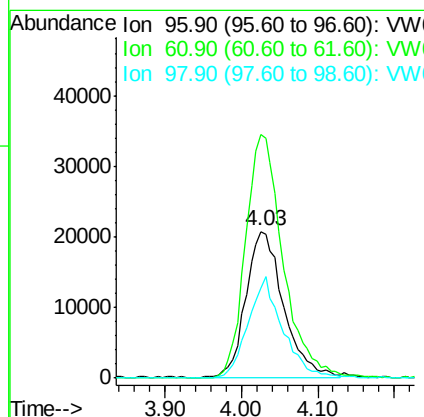
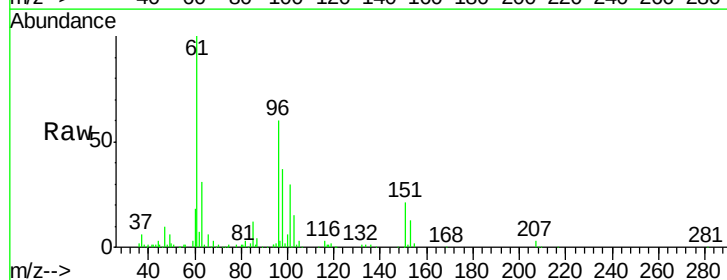
Tot Ion: 59 Resp: 30705
Ion Ratio Lower Upper
59 100
57 6.6 9.3 13.9#

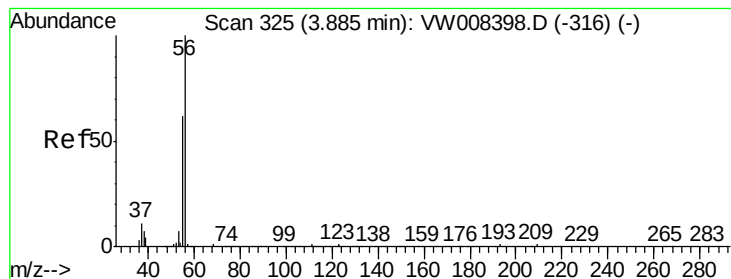


#12

1,1-Dichloroethene
Concen: 19.500 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 96 Resp: 70389
Ion Ratio Lower Upper
96 100
61 166.7 129.5 194.3
98 62.0 48.6 73.0





#13

Acrolein

Concen: 89.411 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

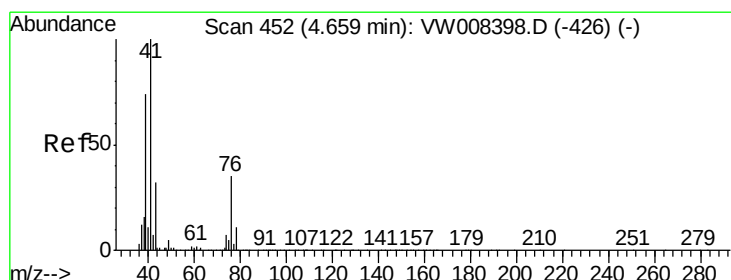
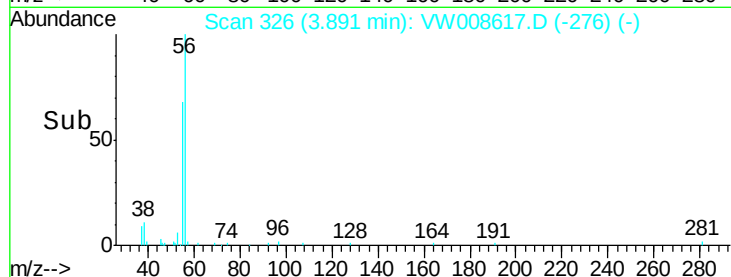
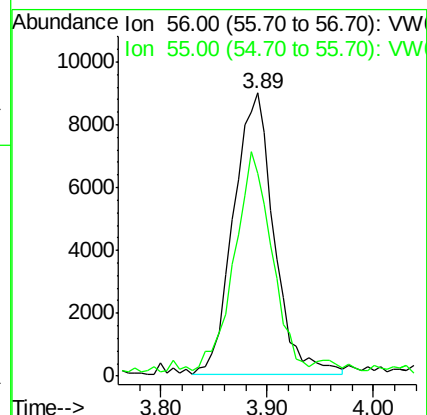
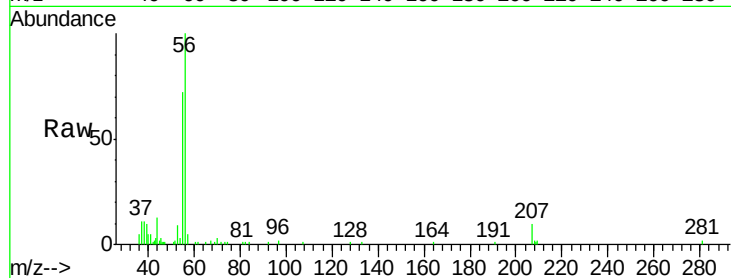
VW0212SBSD01

Tot Ion: 56 Resp: 23854

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Allyl chloride

Concen: 18.920 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

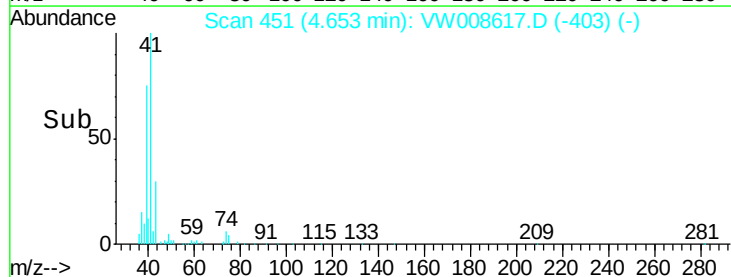
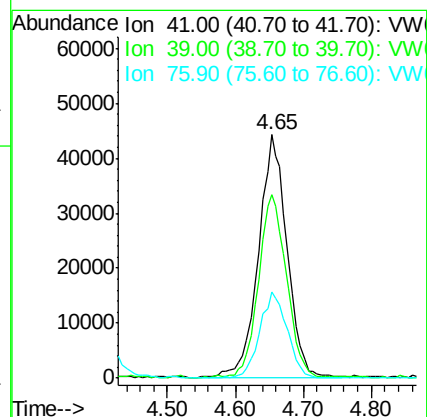
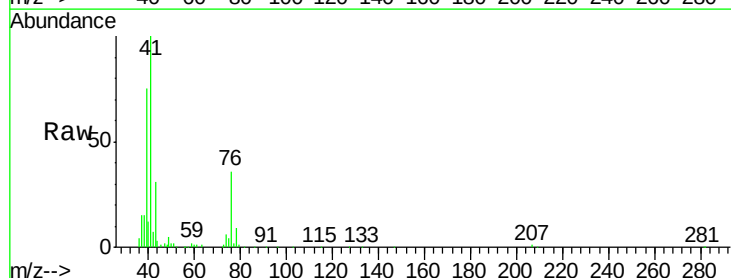
Tgt Ion: 41 Resp: 129686

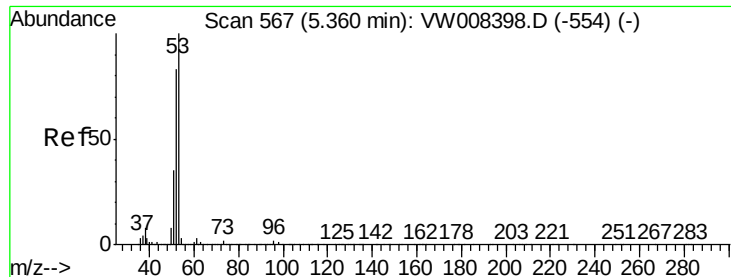
Ion Ratio Lower Upper

41 100

39 72.8 57.7 86.5

76 34.2 26.9 40.3





#15

Acrylonitrile

Concen: 109.464 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

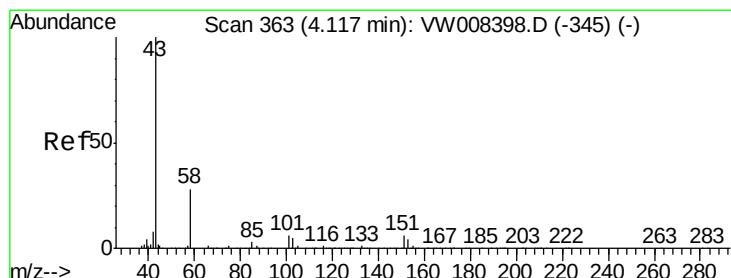
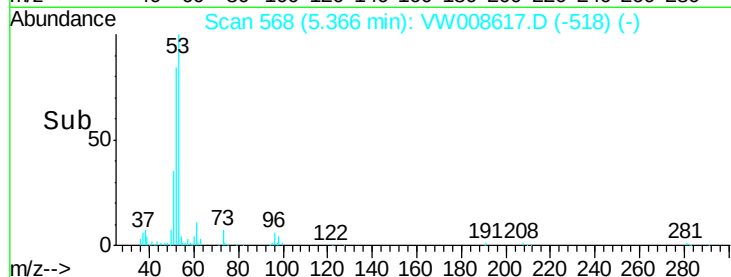
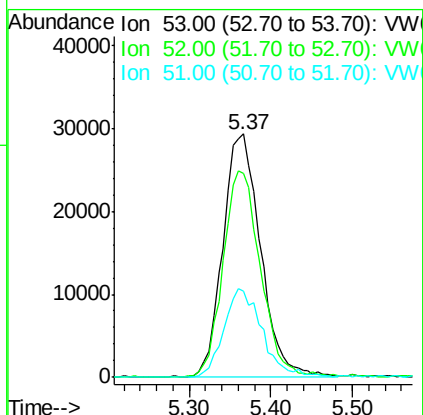
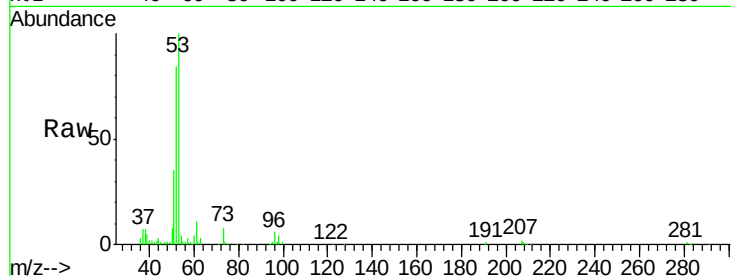
MSVOA_W

ClientSampleId :

VW0212SBSD01

Tot Ion: 53 Resp: 92961

Ion	Ratio	Lower	Upper
53	100		
52	85.5	67.0	100.4
51	37.6	29.8	44.8



#16

Acetone

Concen: 106.662 ug/l

RT: 4.12 min Scan# 364

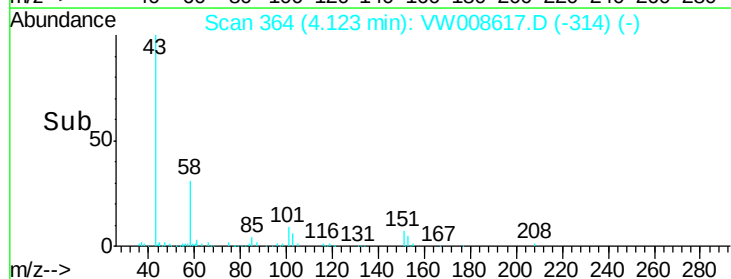
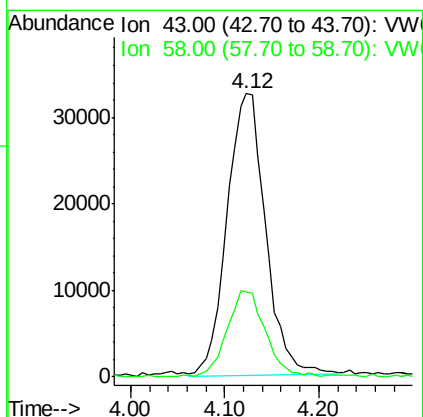
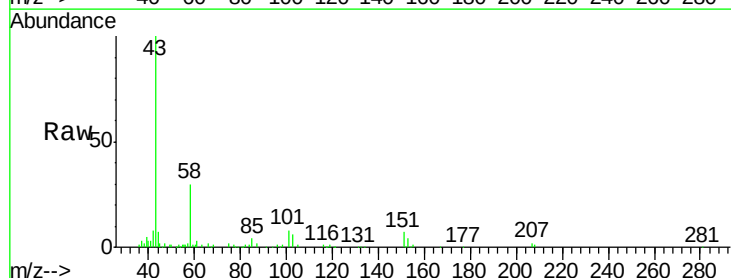
Delta R.T. 0.01 min

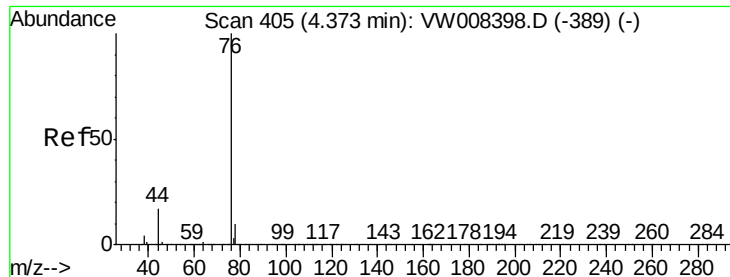
Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Tgt Ion: 43 Resp: 92799

Ion	Ratio	Lower	Upper
43	100		
58	29.8	22.6	34.0





#17

Carbon Disulfide

Concen: 17.157 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

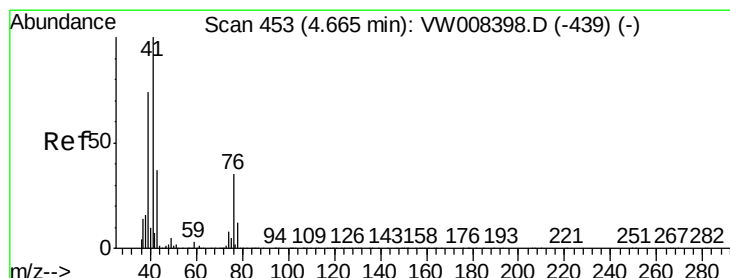
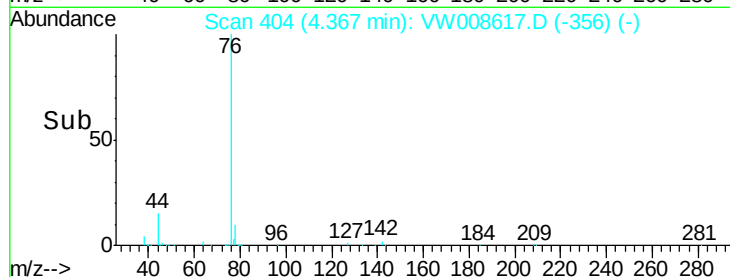
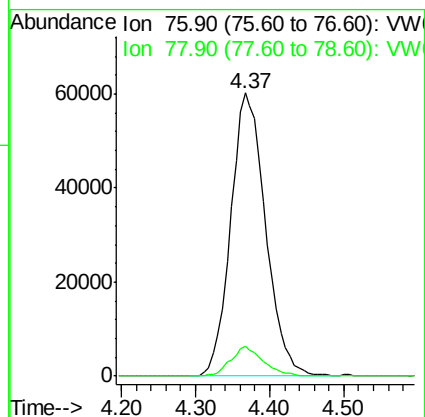
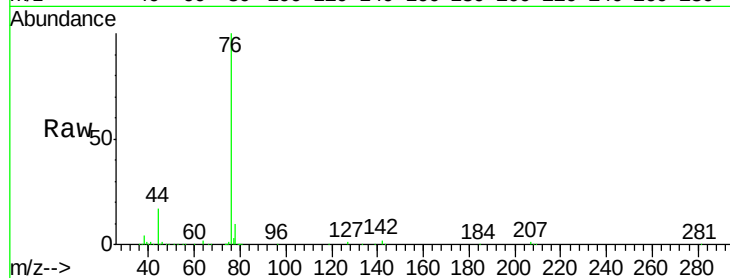
VW0212SBSD01

Tot Ion: 76 Resp: 197803

Ion Ratio Lower Upper

76 100

78 10.4 7.7 11.5



#18

Methyl Acetate

Concen: 21.027 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008617.D

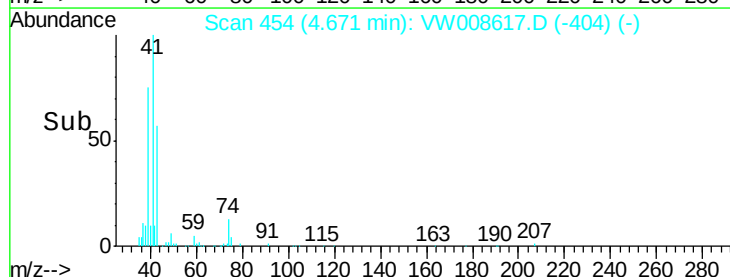
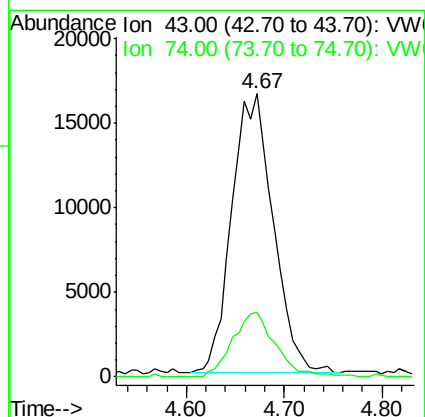
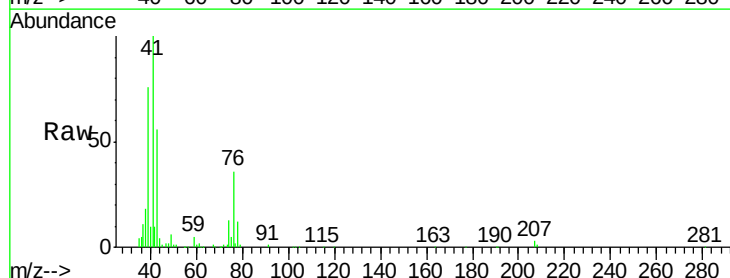
Acq: 12 Feb 2019 12:45

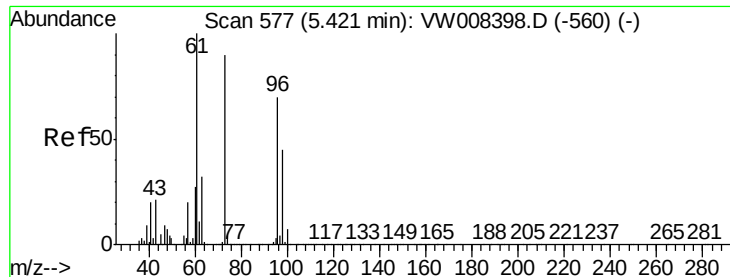
Tgt Ion: 43 Resp: 48794

Ion Ratio Lower Upper

43 100

74 24.0 17.5 26.3

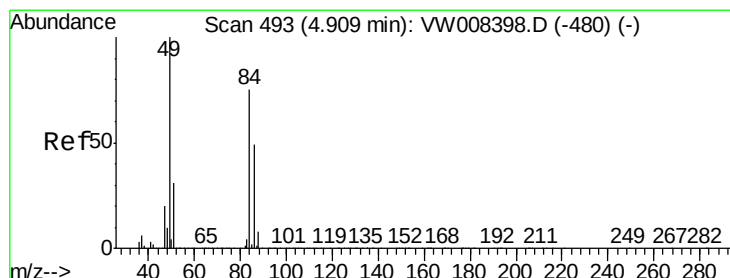
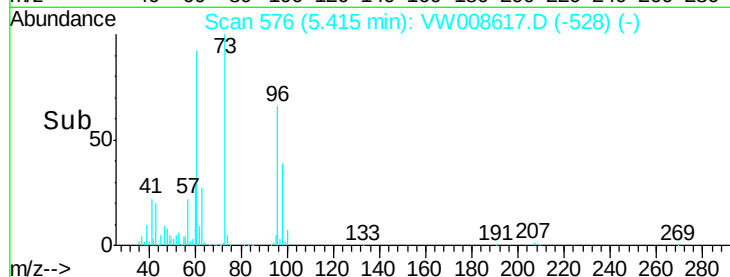
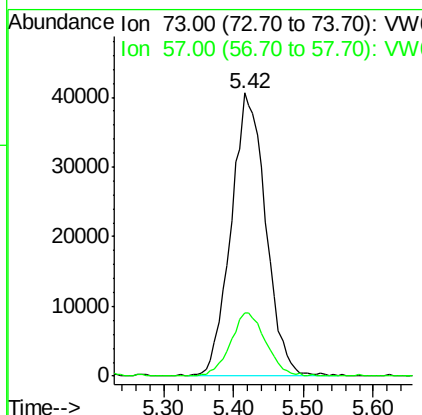
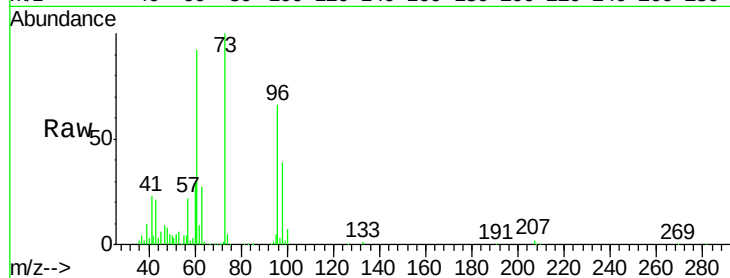




#19
Methyl tert-butyl Ether
Concen: 23.284 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

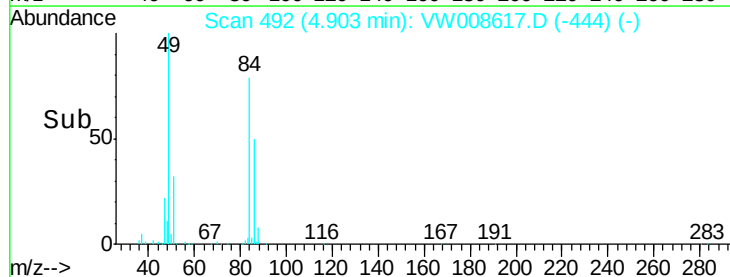
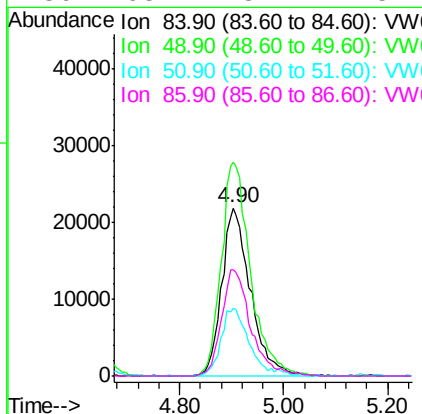
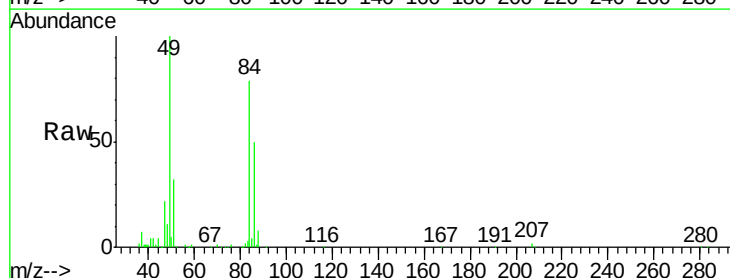
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

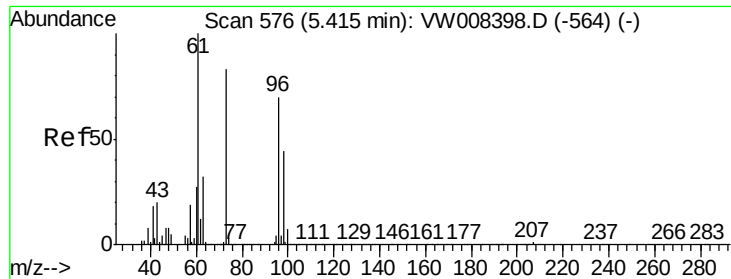
Tot Ion: 73 Resp: 139060
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0



#20
Methylene Chloride
Concen: 21.150 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 84 Resp: 84810
Ion Ratio Lower Upper
84 100
49 127.3 106.8 160.2
51 40.5 32.9 49.3
86 63.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.738 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

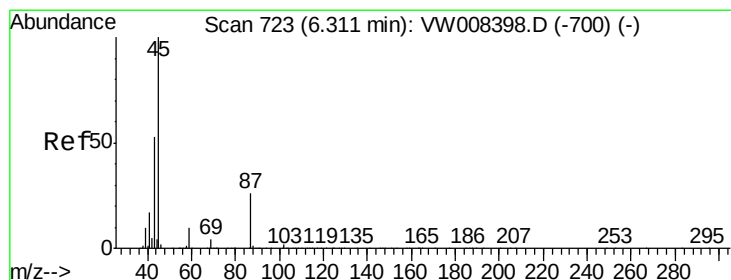
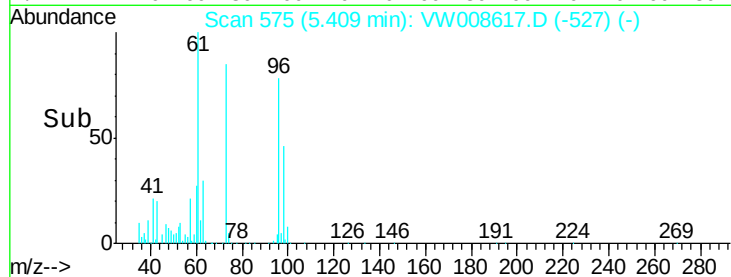
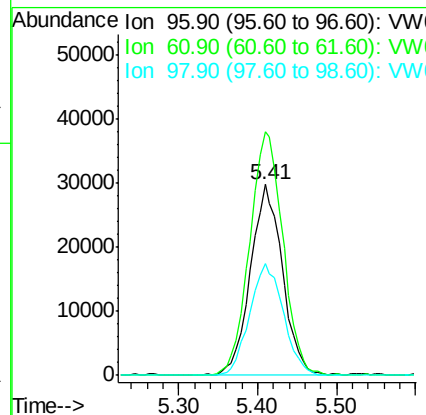
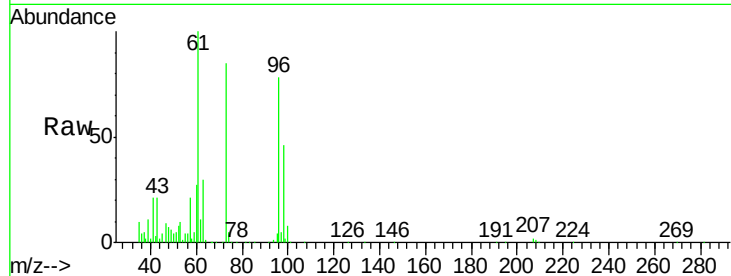
Tot Ion: 96 Resp: 84161

Ion Ratio Lower Upper

96 100

61 127.3 114.4 171.6

98 58.6 50.6 75.8



#22

Diisopropyl ether

Concen: 19.642 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Tgt Ion: 45 Resp: 255164

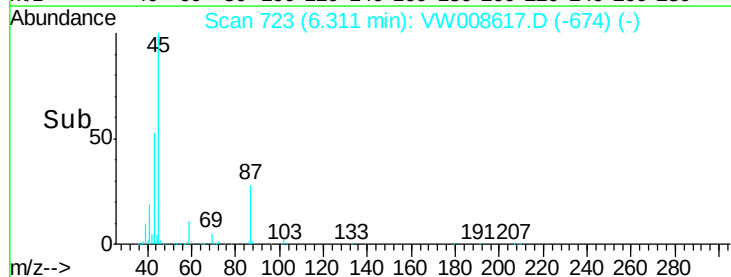
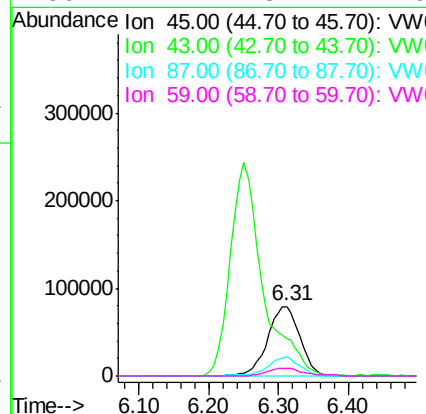
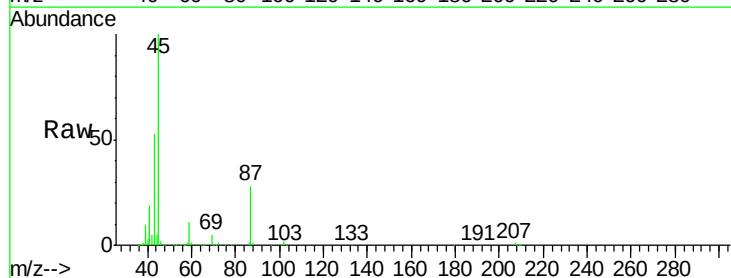
Ion Ratio Lower Upper

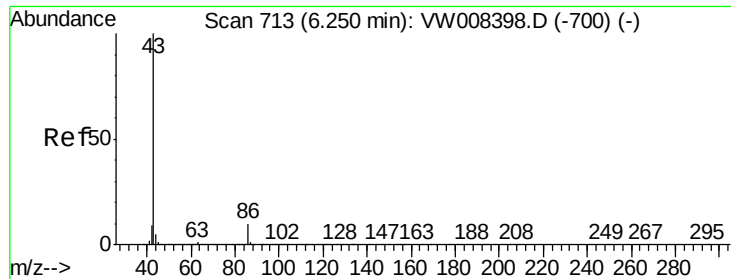
45 100

43 52.4 42.6 63.8

87 28.2 20.3 30.5

59 11.2 8.4 12.6





#23

Vinyl Acetate

Concen: 103.012 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

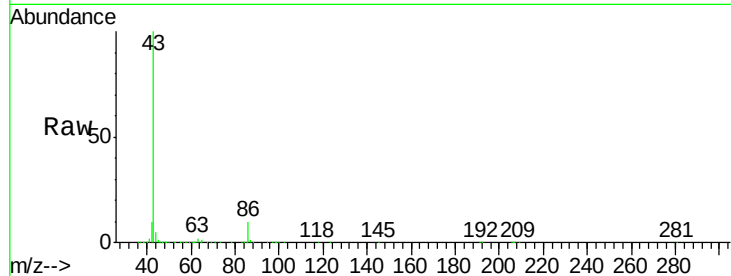
VW0212SBSD01

Tot Ion: 43 Resp: 790189

Ion Ratio Lower Upper

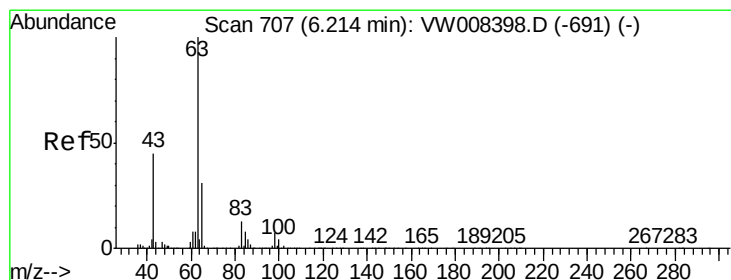
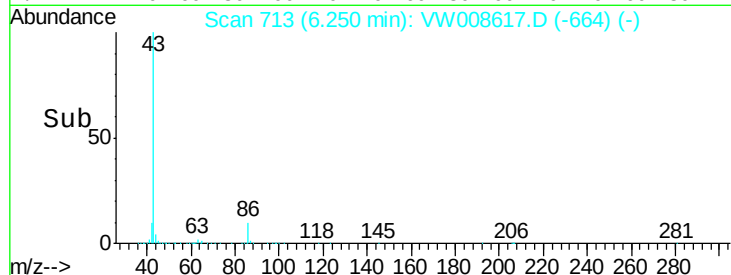
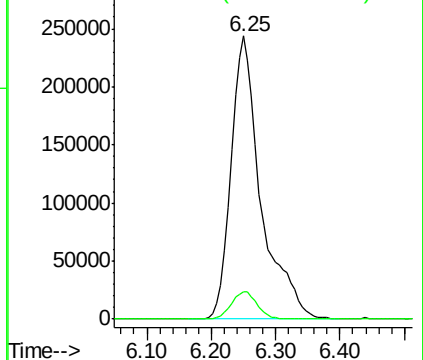
43 100

86 9.8 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.257 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

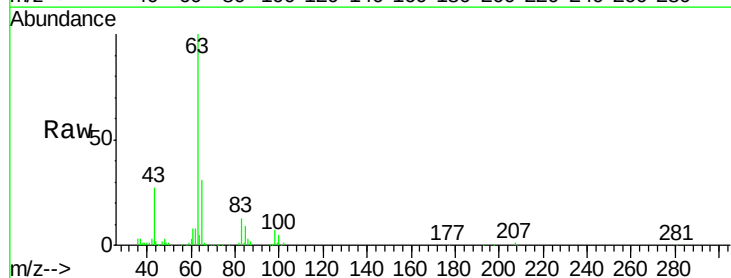
Tgt Ion: 63 Resp: 148959

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

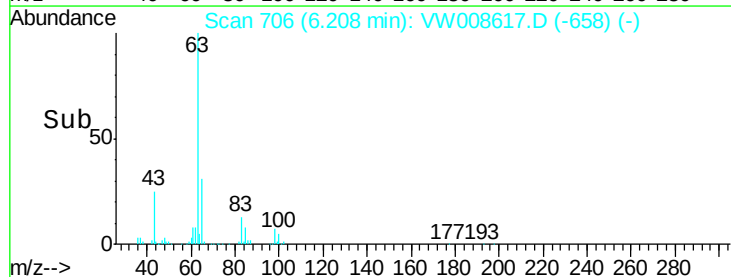
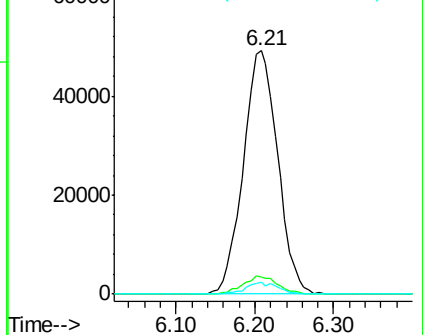
100 5.1 2.1 6.2

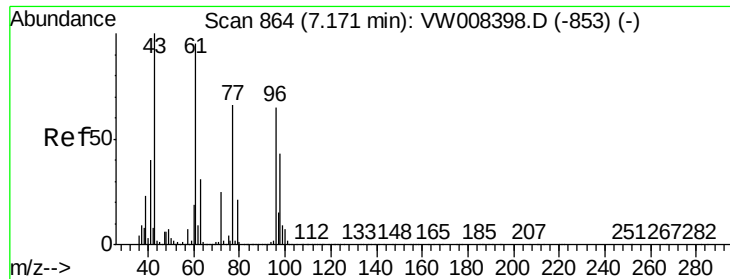


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 106.671 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

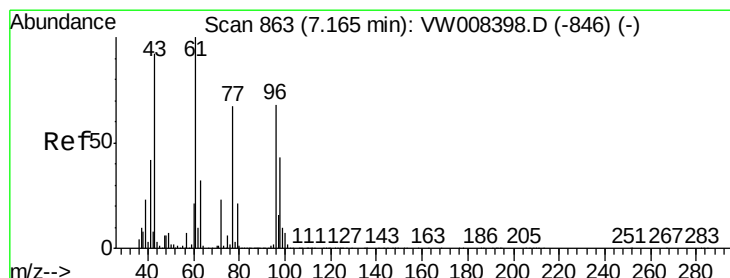
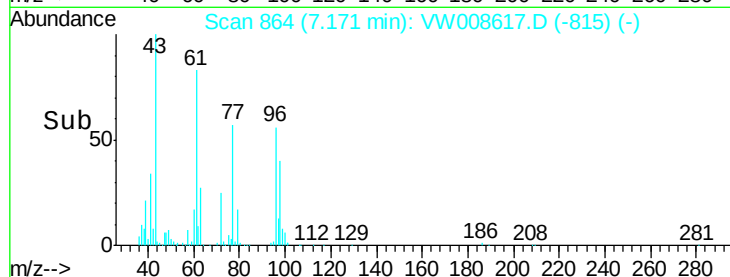
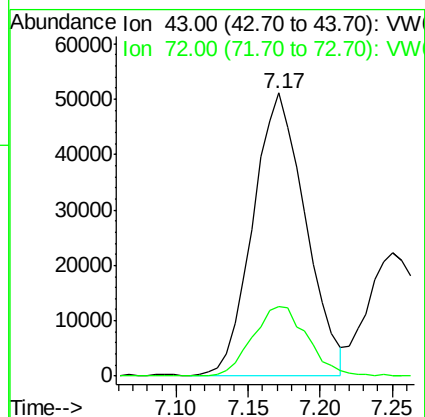
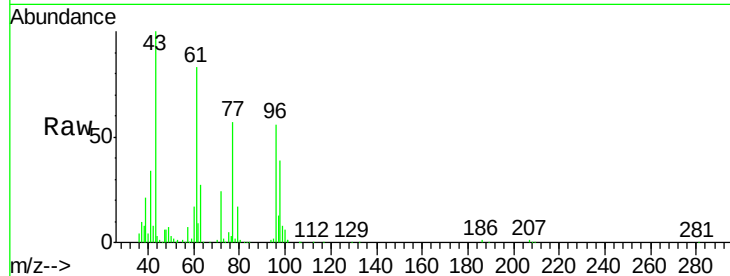
VW0212SBSD01

Tot Ion: 43 Resp: 128907

Ion Ratio Lower Upper

43 100

72 24.4 20.1 30.1



#26

2,2-Dichloropropane

Concen: 19.638 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008617.D

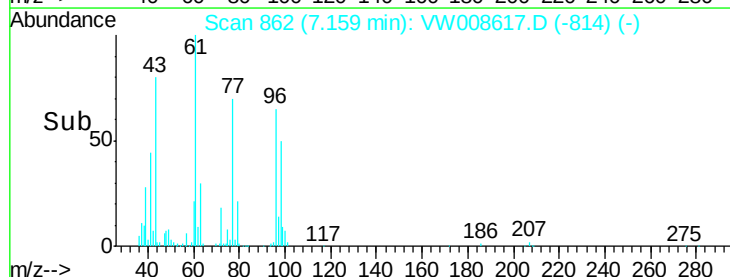
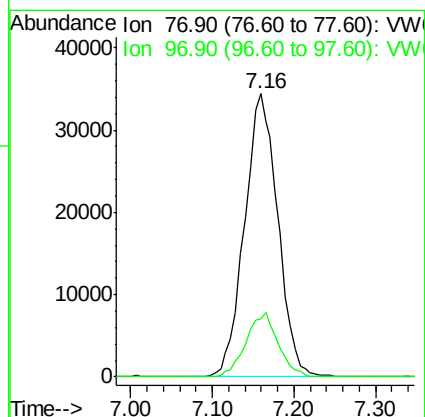
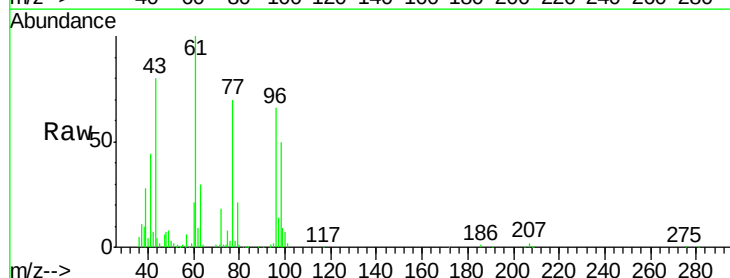
Acq: 12 Feb 2019 12:45

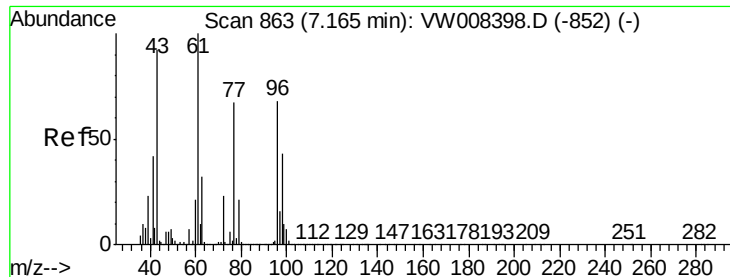
Tgt Ion: 77 Resp: 97612

Ion Ratio Lower Upper

77 100

97 21.9 11.5 34.5



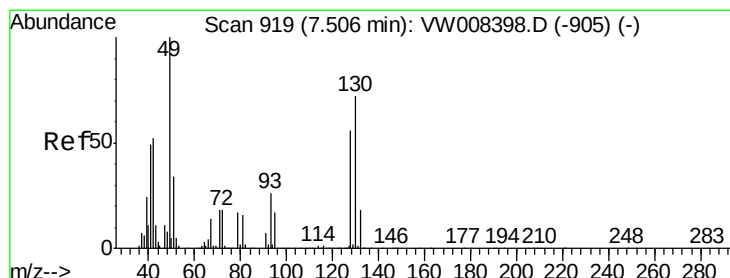
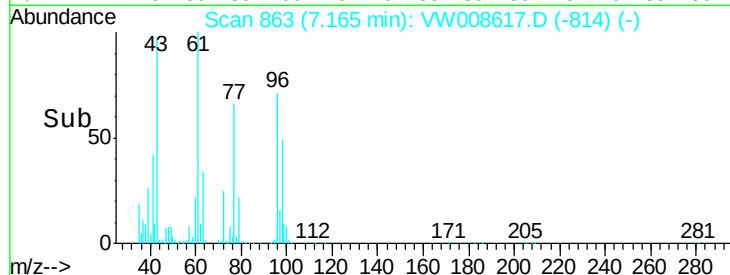
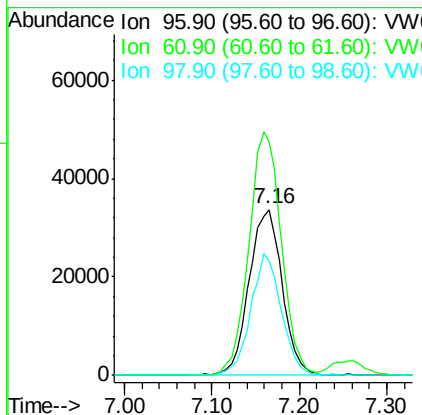
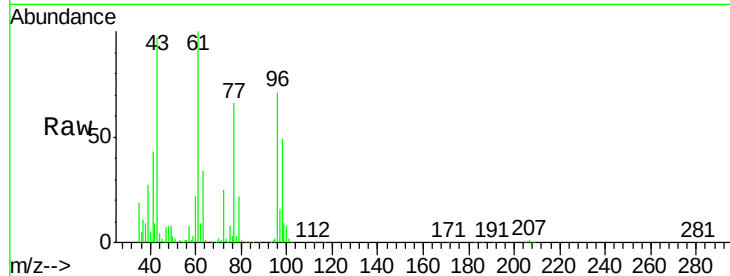


#27

cis-1,2-Dichloroethene
 Concen: 20.119 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

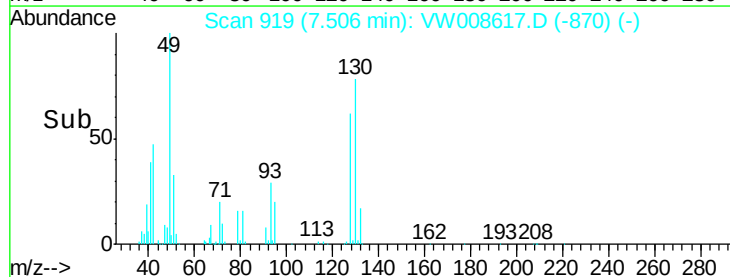
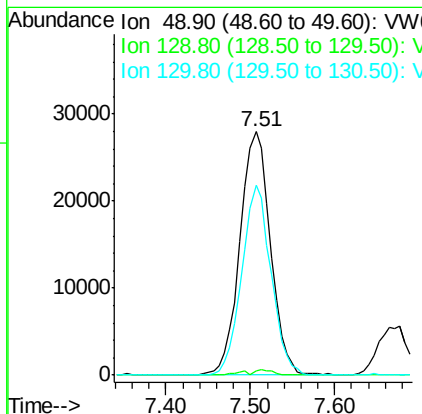
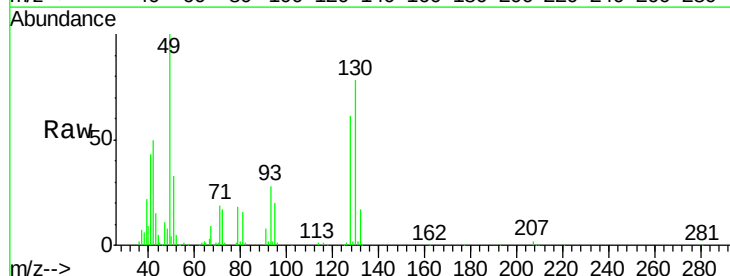
Tot Ion	96	Resp	88982
Ion Ratio	Lower	Upper	
96	100		
61	143.9	0.0	292.8
98	67.5	0.0	129.2

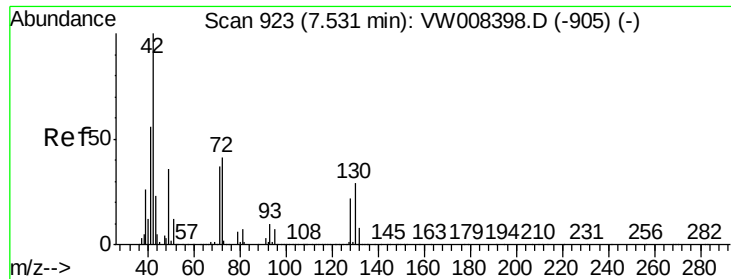


#28

Bromochloromethane
 Concen: 20.226 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Tgt Ion	49	Resp	68313
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	4.6
130	74.7	58.6	87.8

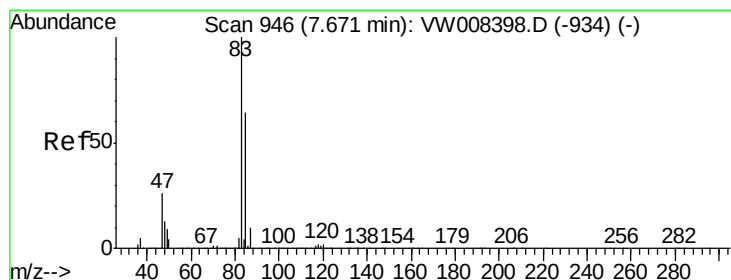
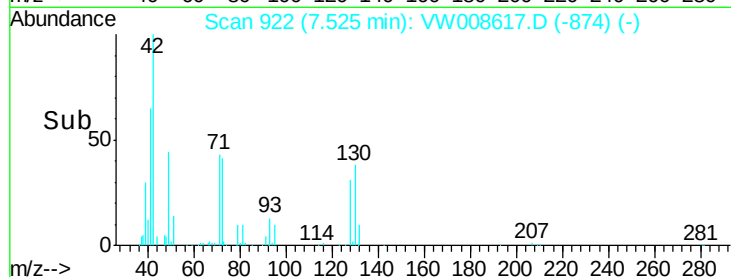
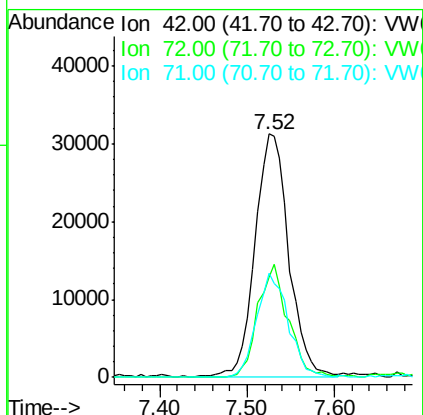
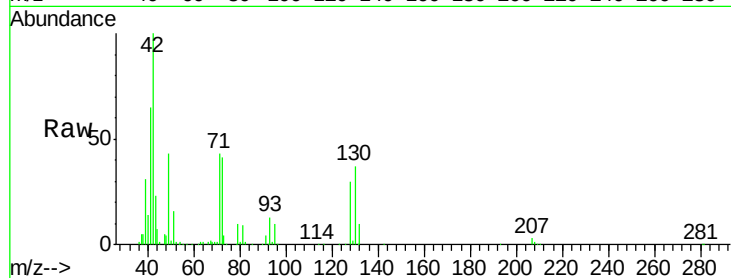




#29
Tetrahydrofuran
Concen: 109.895 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

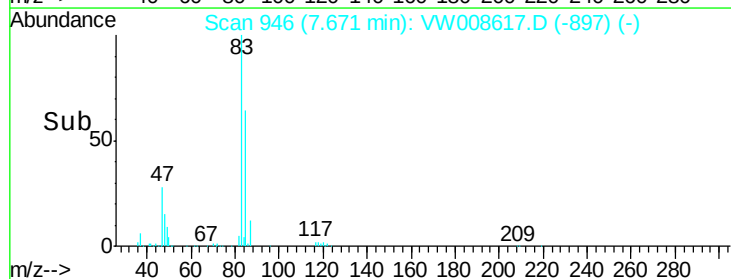
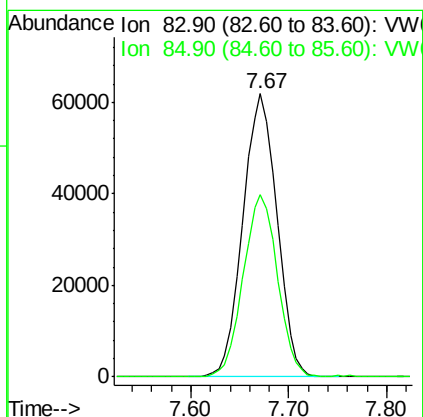
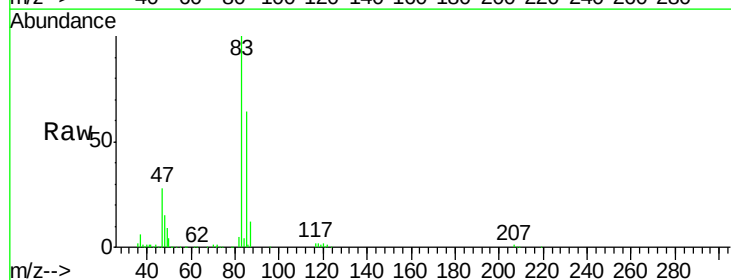
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

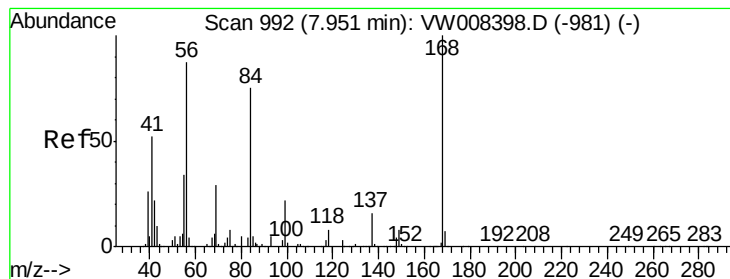
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	31.9	47.9
71	40.3	29.9	44.9



#30
Chloroform
Concen: 20.700 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.9	76.3





#31

Cyclohexane

Concen: 18.416 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampled :

VW0212SBS01

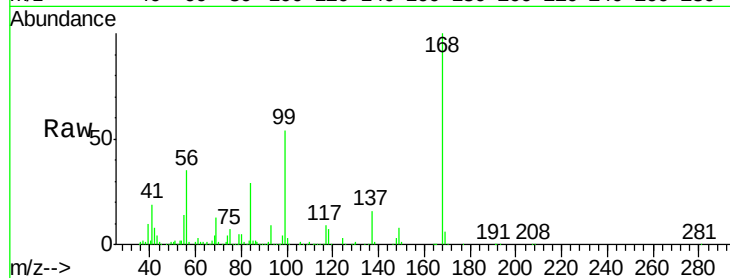
Tot Ion: 56 Resp: 140024

Ion Ratio Lower Upper

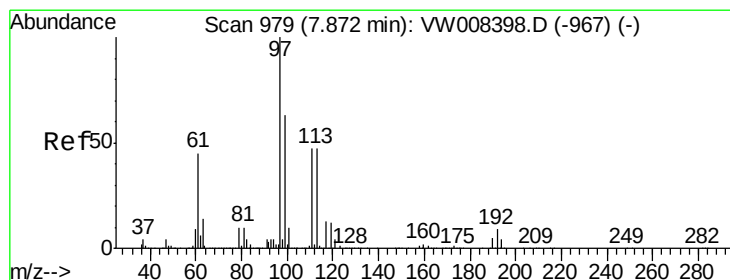
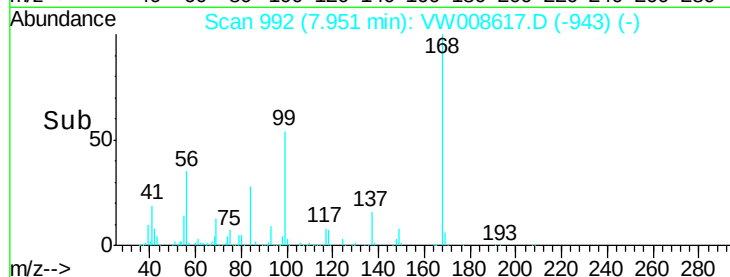
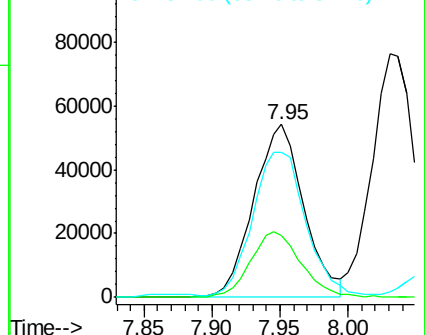
56 100

69 35.7 26.4 39.6

84 82.6 69.1 103.7



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: 20.482 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

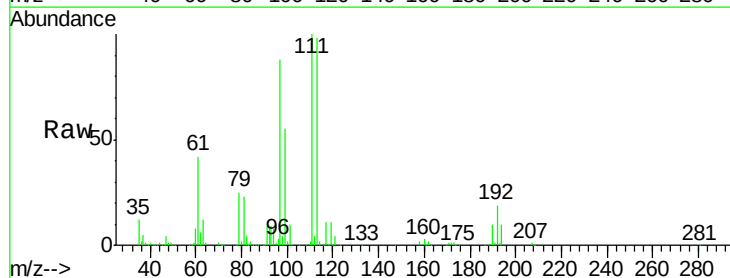
Tgt Ion: 97 Resp: 127952

Ion Ratio Lower Upper

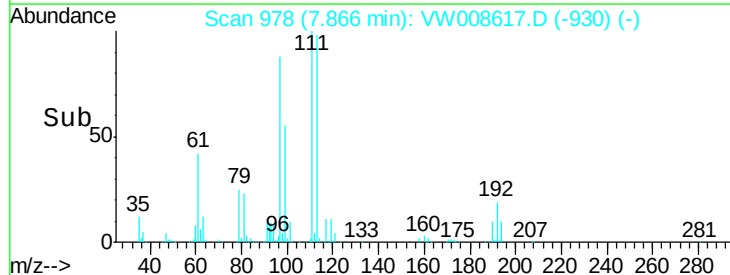
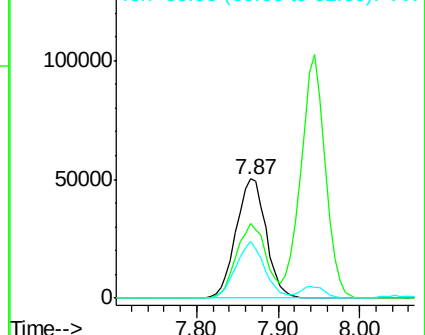
97 100

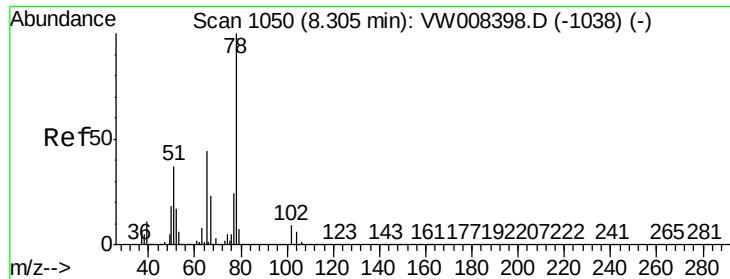
99 62.3 51.3 76.9

61 44.9 36.2 54.4



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

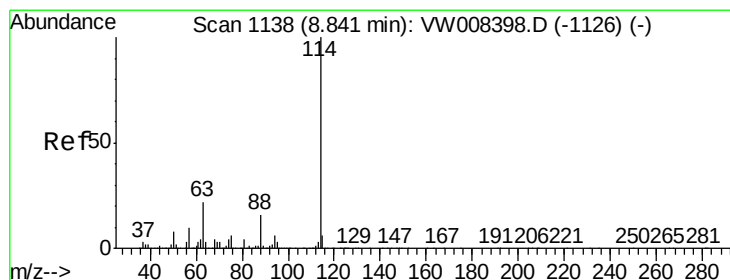
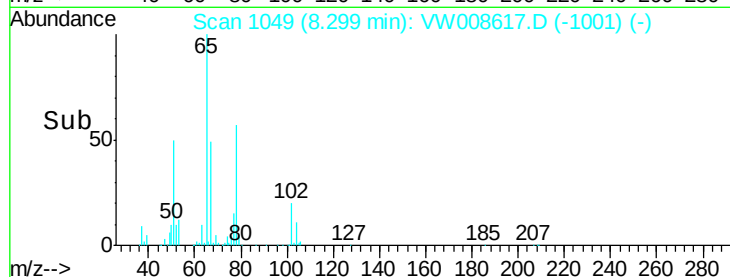
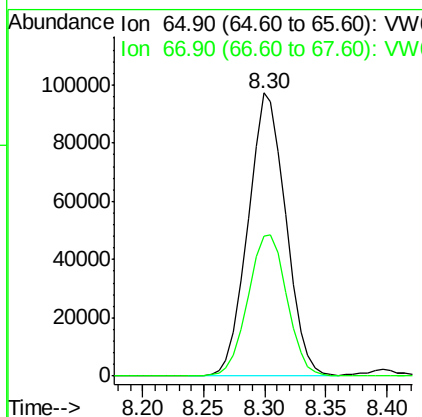
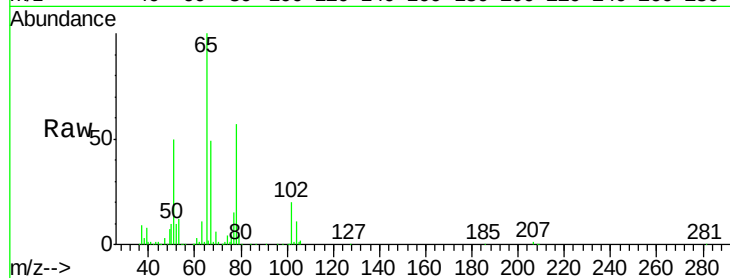




#33
 1,2-Dichloroethane-d4
 Concen: 53.953 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

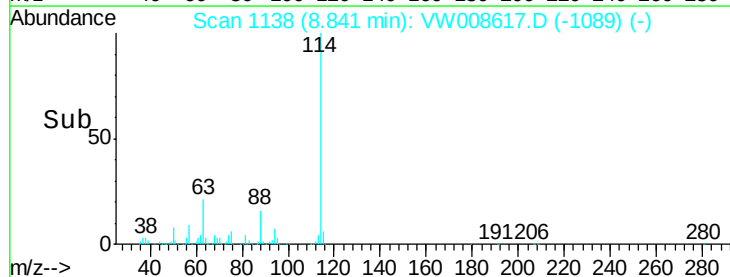
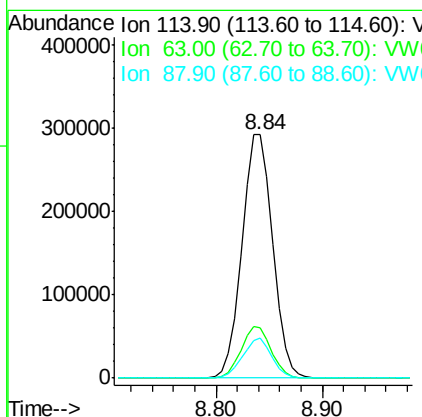
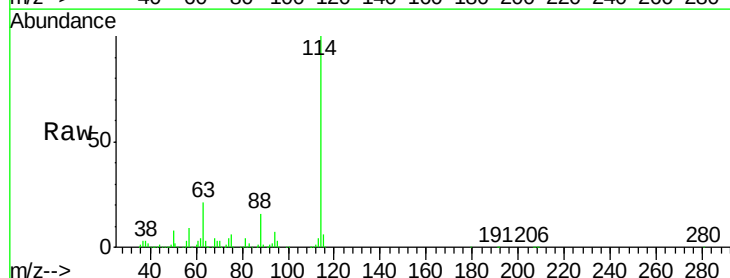
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

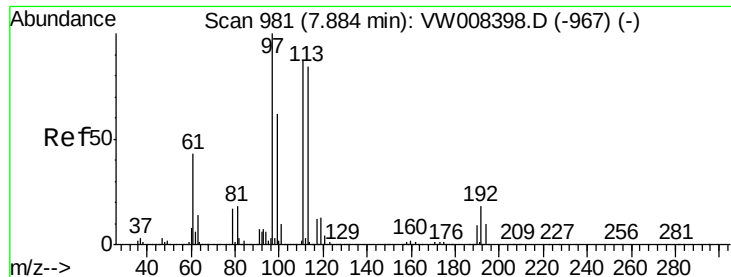
Tot Ion: 65 Resp: 209031
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Tgt Ion: 114 Resp: 590855
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.6
 88 16.4 0.0 31.8

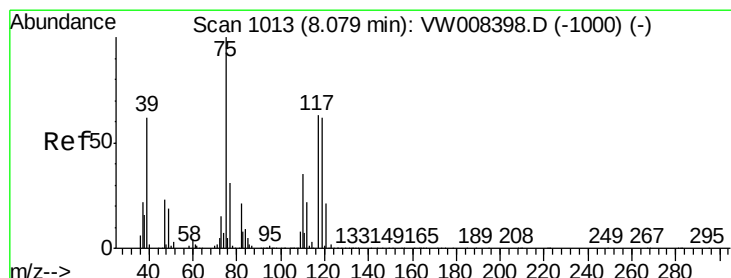
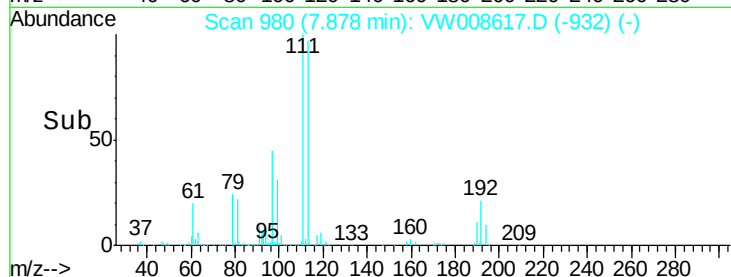
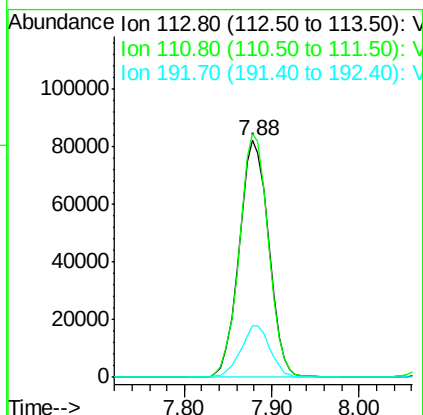
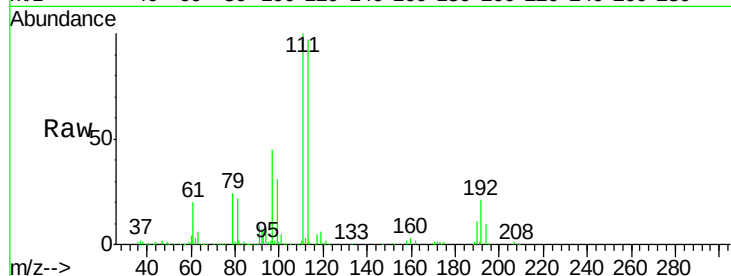




#35
Dibromofluoromethane
Concen: 55.926 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

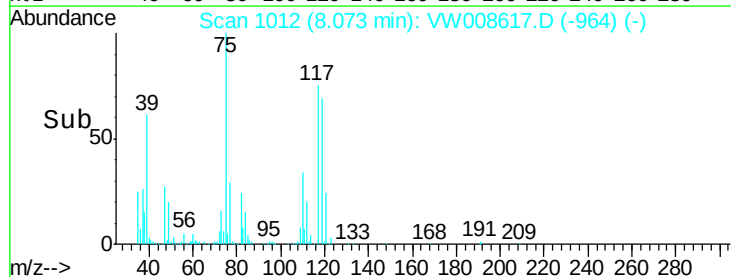
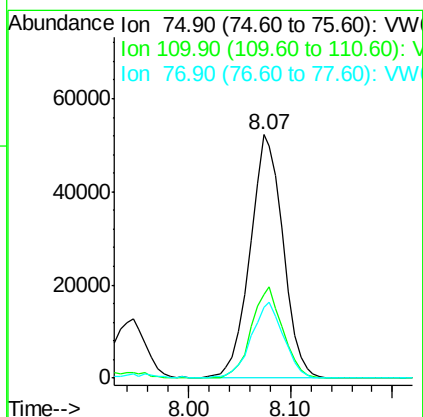
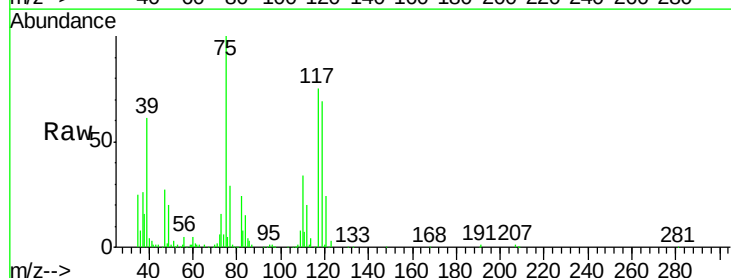
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

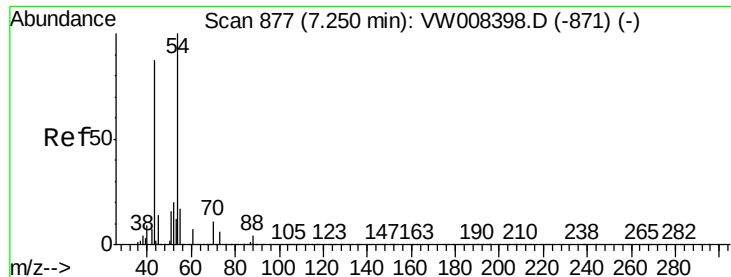
Tot Ion:113 Resp: 193221
Ion Ratio Lower Upper
113 100
111 101.1 81.0 121.4
192 21.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 21.103 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 75 Resp: 117780
Ion Ratio Lower Upper
75 100
110 35.2 17.3 52.0
77 30.7 24.7 37.1





#37

Ethyl Acetate

Concen: 23.768 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBS01

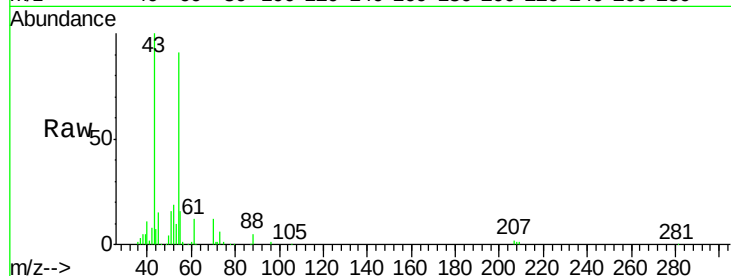
Tot Ion: 43 Resp: 58691

Ion Ratio Lower Upper

43 100

61 13.0 10.1 15.1

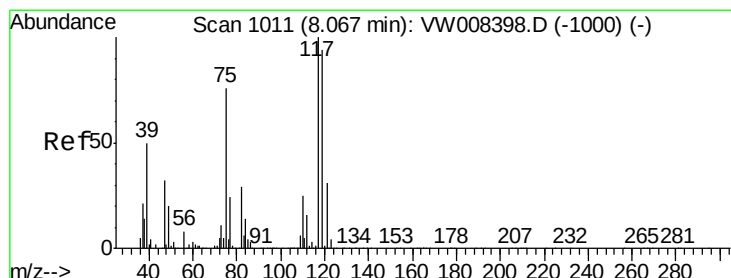
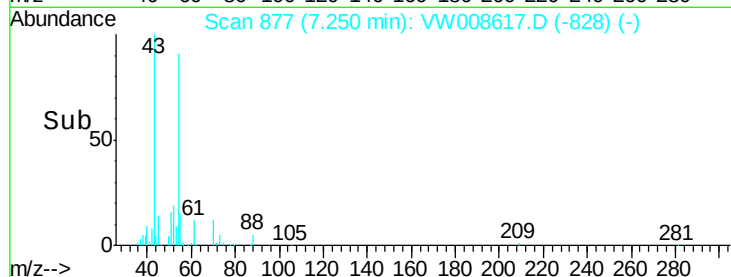
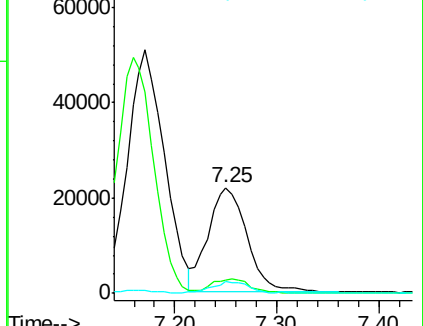
70 10.8 7.8 11.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 21.313 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

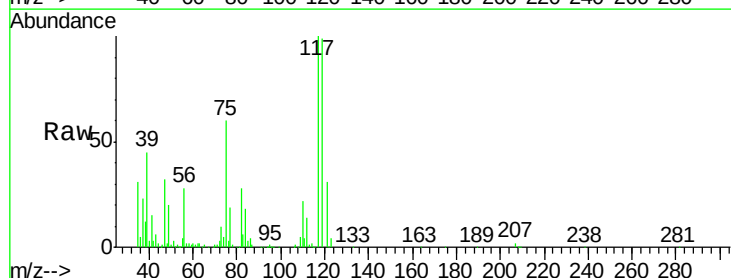
Tgt Ion: 117 Resp: 119702

Ion Ratio Lower Upper

117 100

119 99.0 75.0 112.4

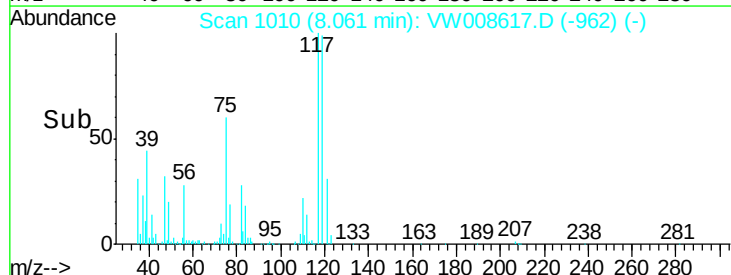
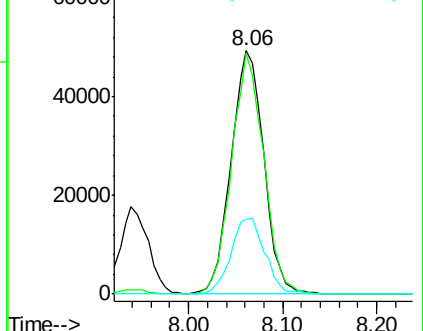
121 30.6 24.9 37.3

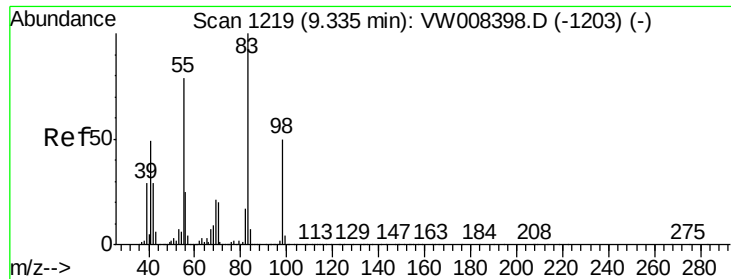


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

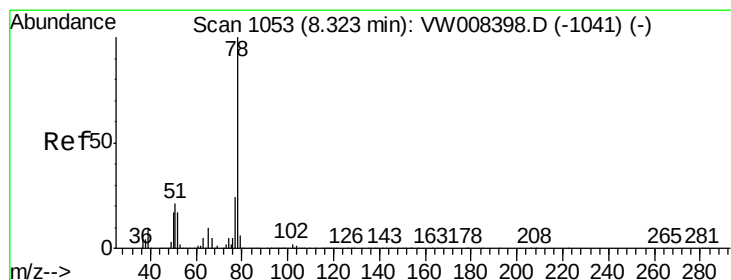
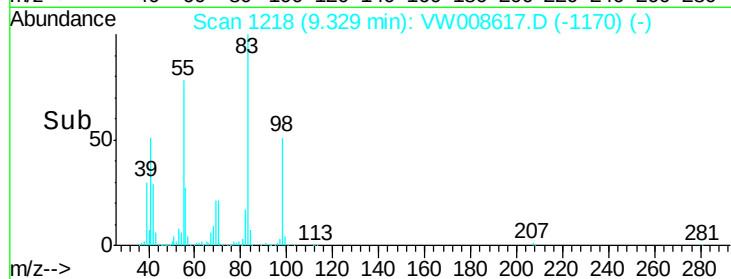
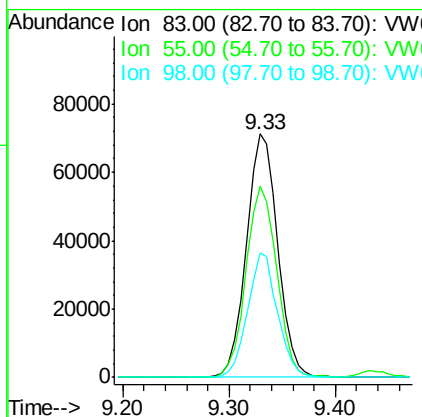
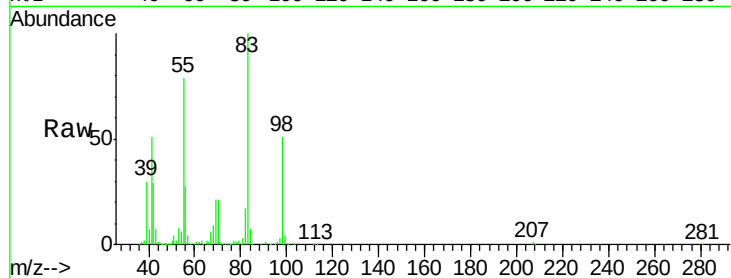




#39
Methylvlcyclohexane
Concen: 20.089 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

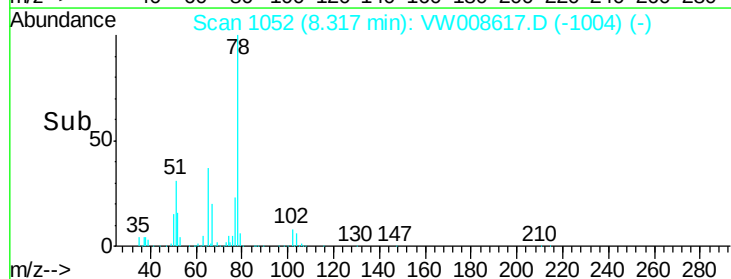
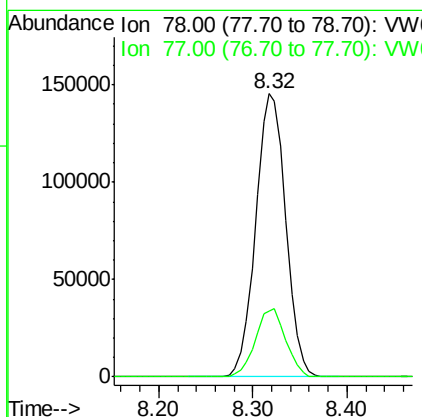
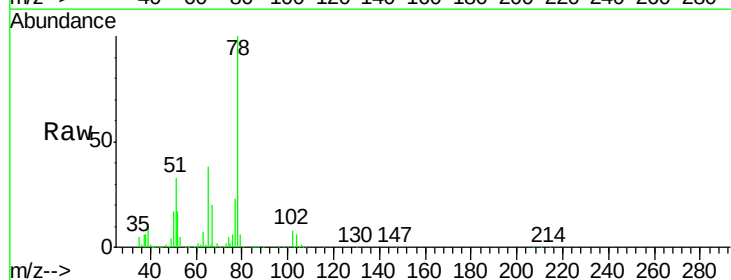
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

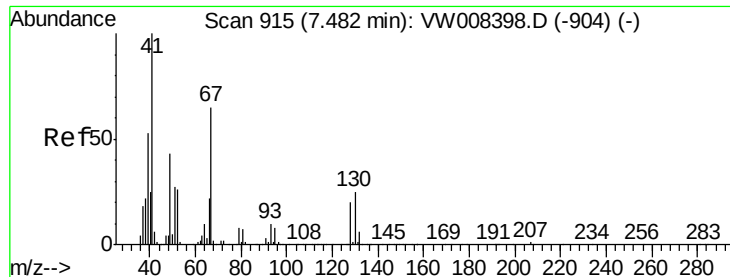
Tot Ion: 83 Resp: 147292
Ion Ratio Lower Upper
83 100
55 78.4 63.3 94.9
98 51.4 39.7 59.5



#40
Benzene
Concen: 21.020 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 78 Resp: 325549
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6

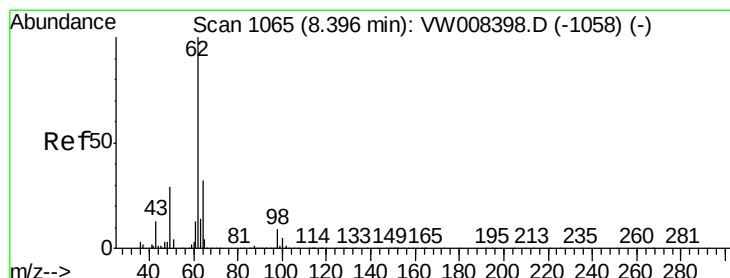
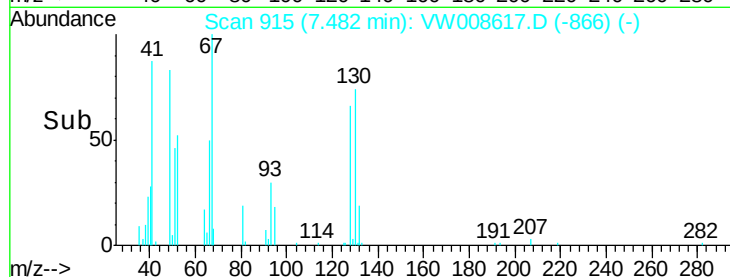
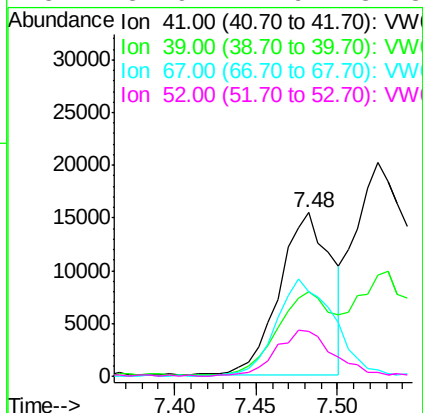
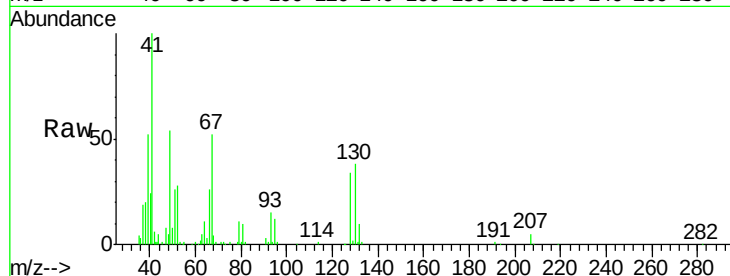




#41
Methacrylonitrile
Concen: 23.267 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

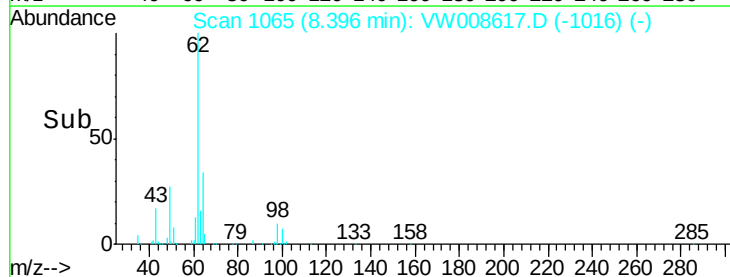
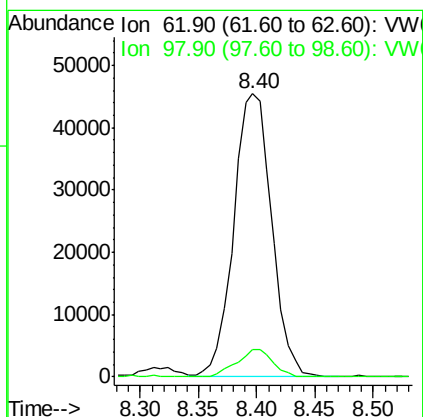
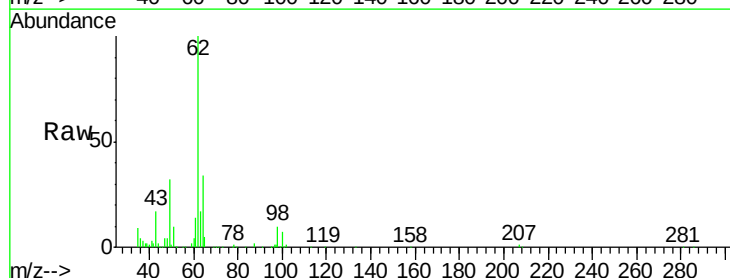
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

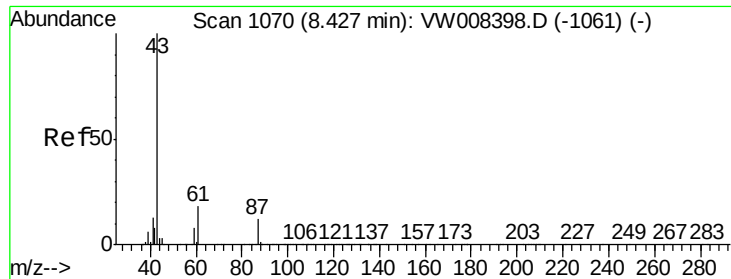
Tot Ion:	41	Resp:	34019
Ion	Ratio	Lower	Upper
41	100		
39	54.7	43.4	65.0
67	66.6	54.2	81.2
52	31.9	22.9	34.3



#42
1,2-Dichloroethane
Concen: 22.908 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion:	62	Resp:	102814
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 23.133 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

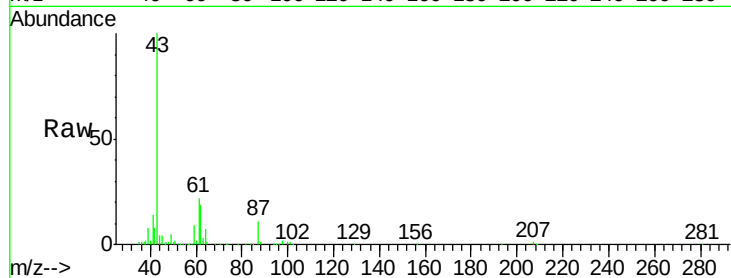
Tot Ion: 43 Resp: 118673

Ion Ratio Lower Upper

43 100

61 28.1 22.0 33.0

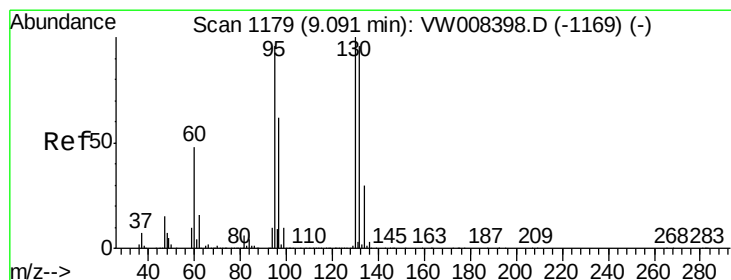
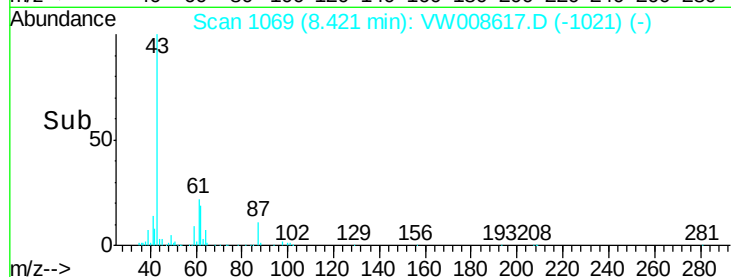
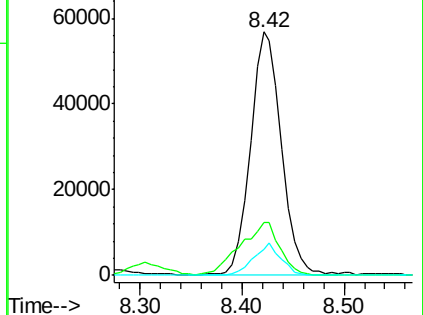
87 12.0 9.3 13.9



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: 21.743 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008617.D

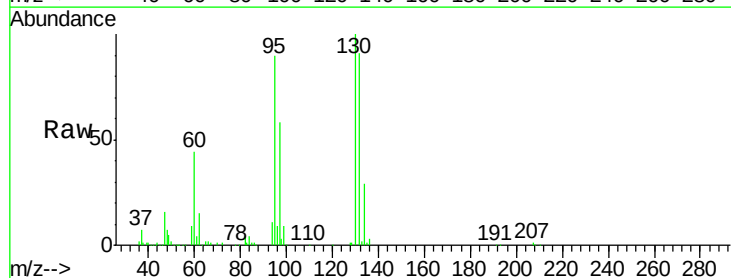
Acq: 12 Feb 2019 12:45

Tgt Ion: 130 Resp: 91570

Ion Ratio Lower Upper

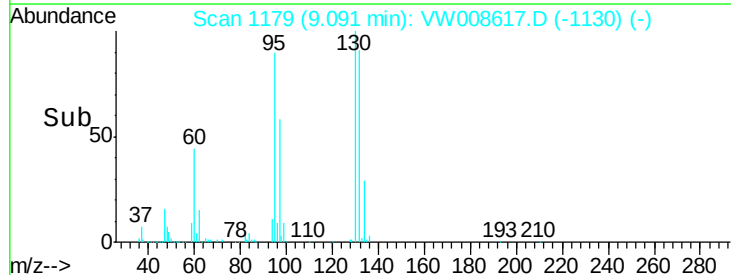
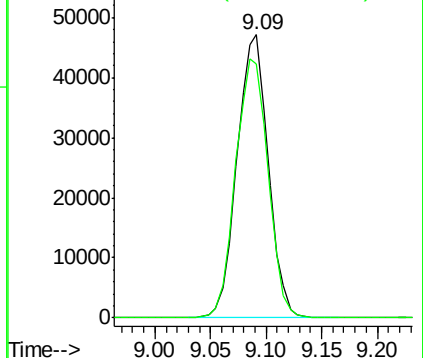
130 100

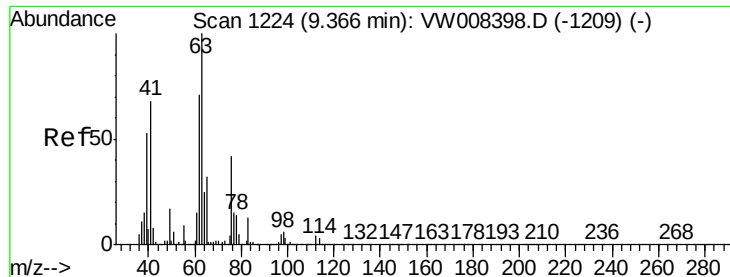
95 89.7 0.0 191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

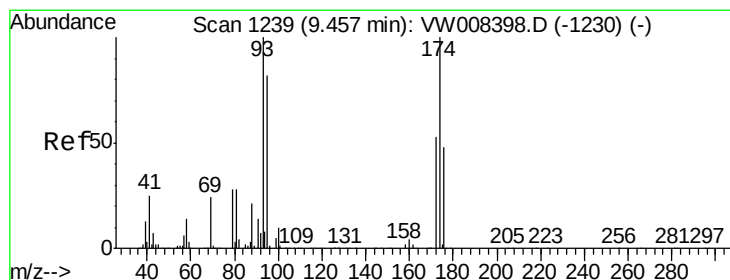
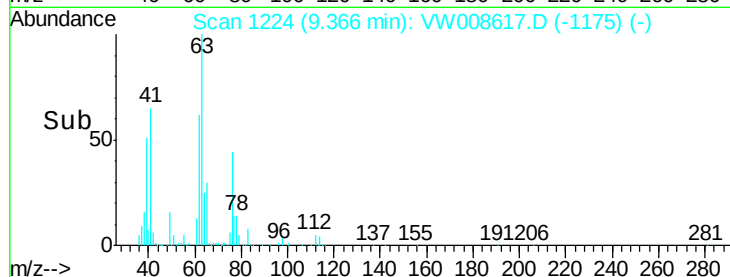
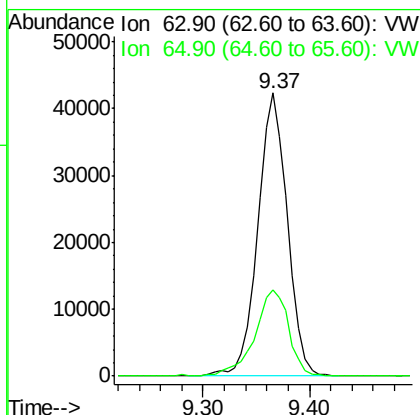
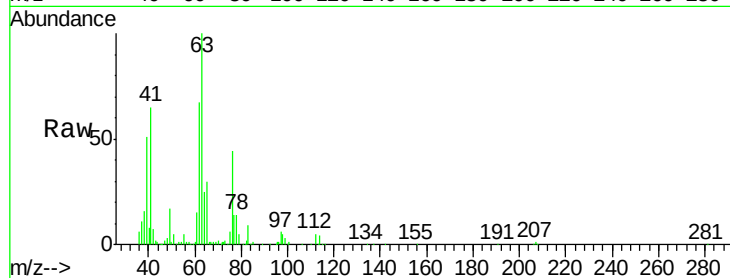




#45
 1,2-Dichloropropane
 Concen: 21.300 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

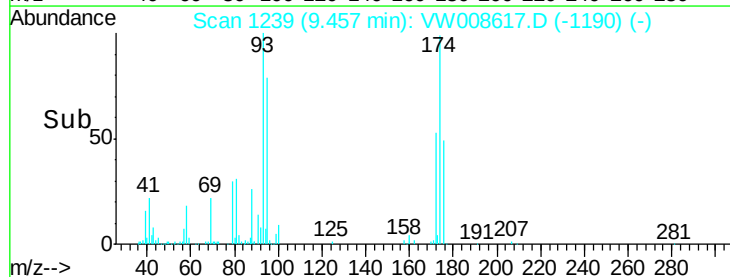
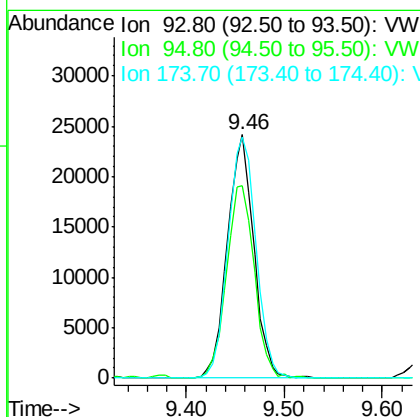
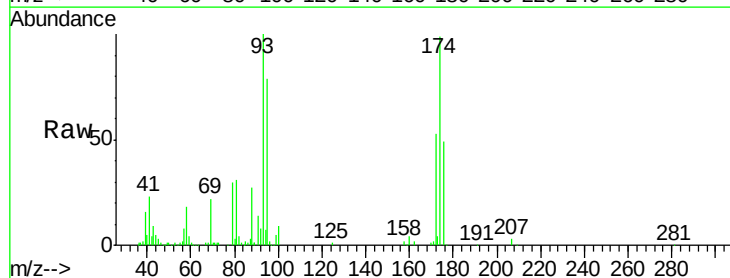
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

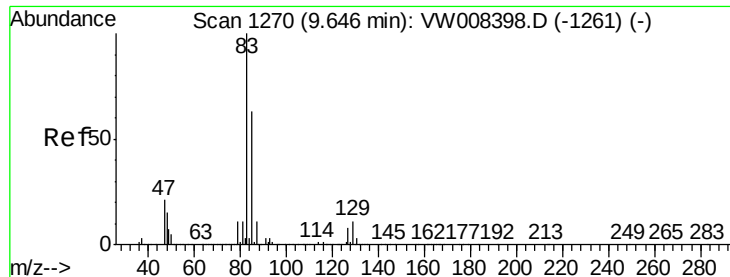
Tot Ion: 63 Resp: 82251
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.2 37.8



#46
 Dibromomethane
 Concen: 22.740 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Tgt Ion: 93 Resp: 45166
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.9 98.9
 174 104.7 81.0 121.6





#47

Bromodichloromethane

Concen: 21.119 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

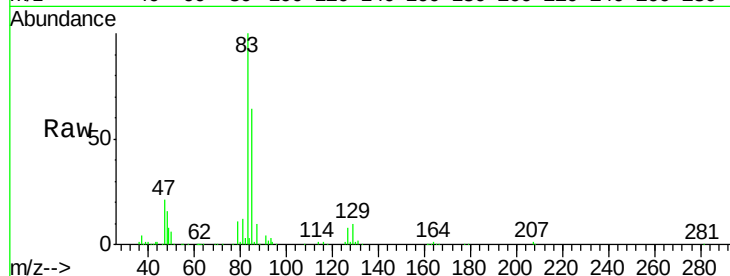
Tot Ion: 83 Resp: 110947

Ion Ratio Lower Upper

83 100

85 64.2 50.8 76.2

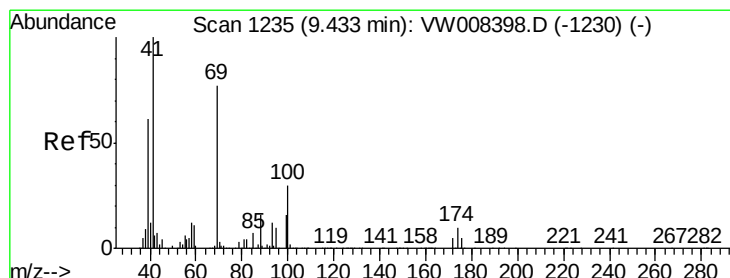
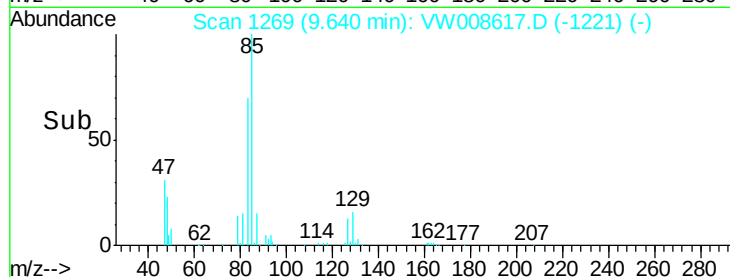
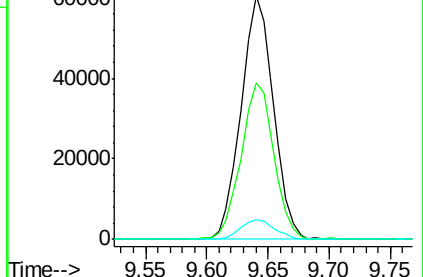
127 8.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.335 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

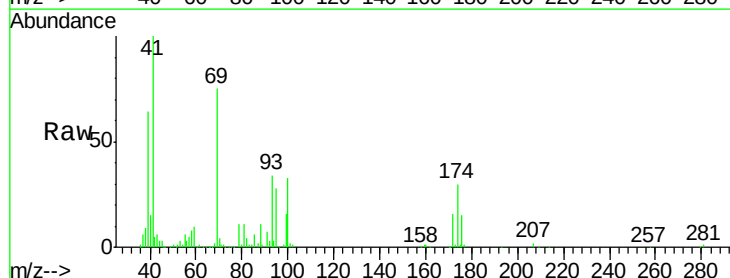
Tgt Ion: 41 Resp: 53518

Ion Ratio Lower Upper

41 100

69 85.1 64.8 97.2

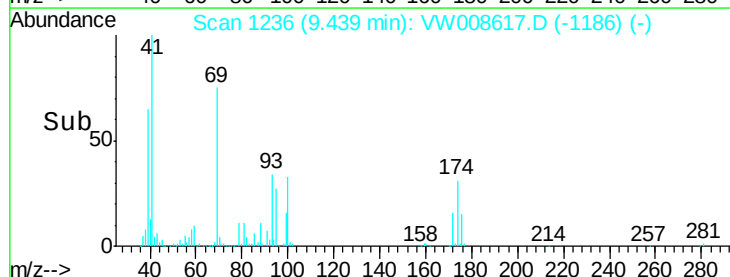
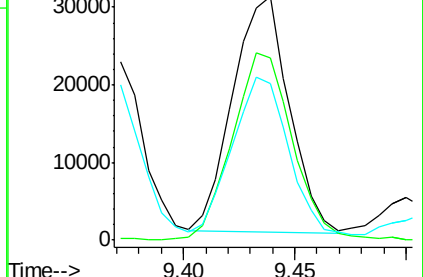
39 67.5 49.1 73.7

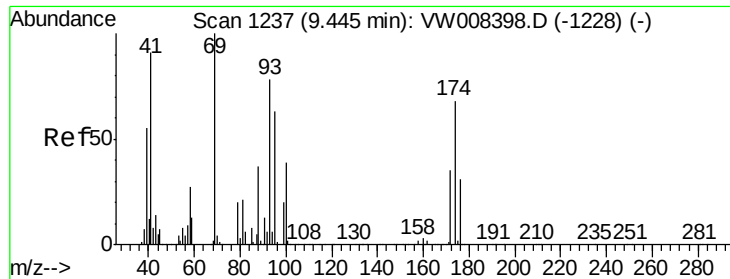


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 416.923 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

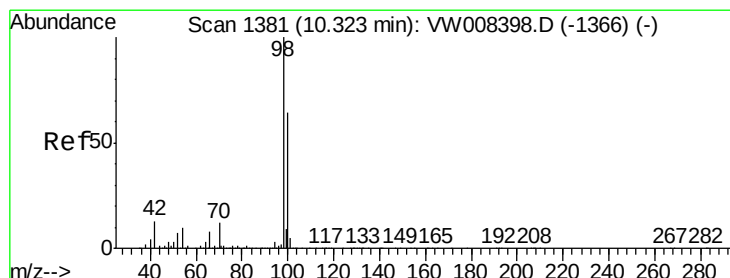
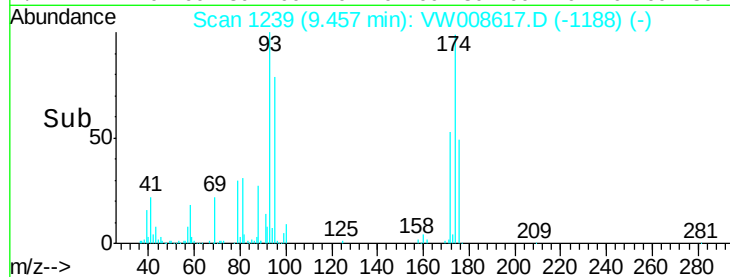
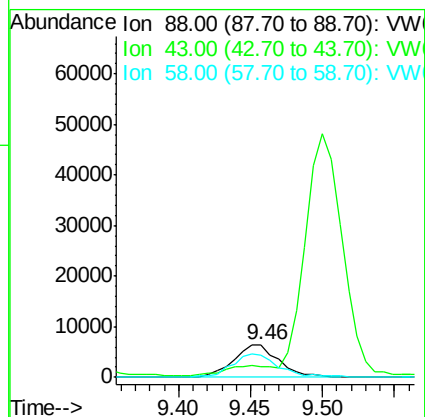
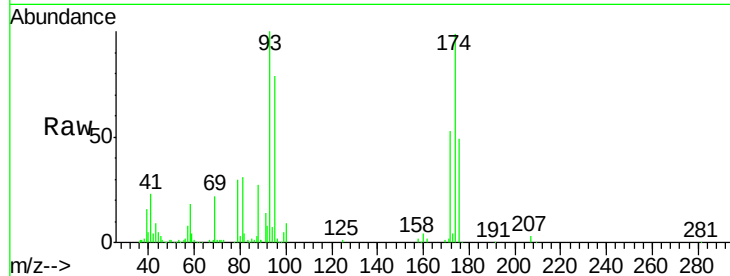
Tot Ion: 88 Resp: 13997

Ion Ratio Lower Upper

88 100

43 27.7 29.0 43.4#

58 76.6 56.4 84.6



#50

Toluene-d8

Concen: 52.934 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008617.D

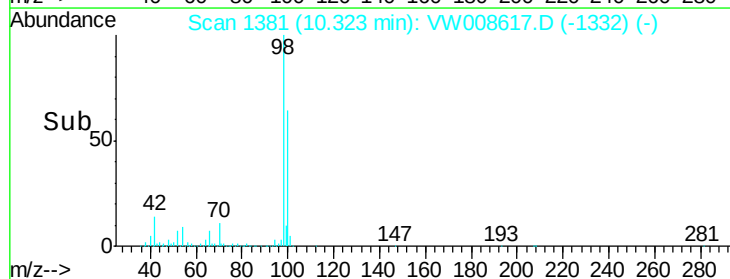
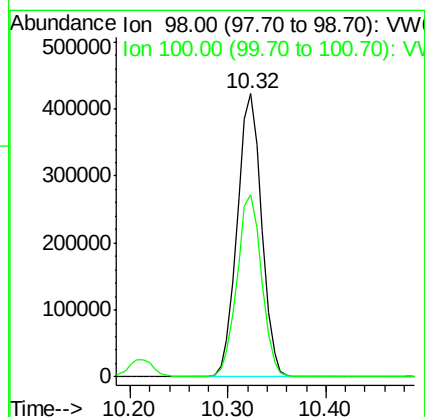
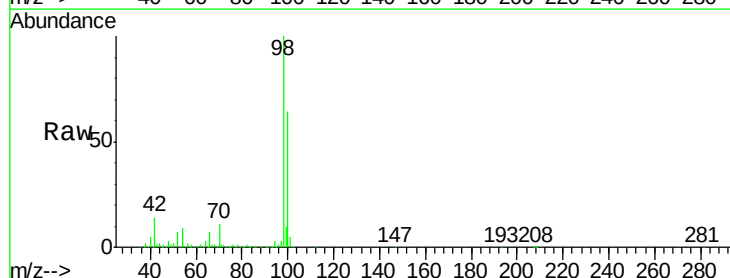
Acq: 12 Feb 2019 12:45

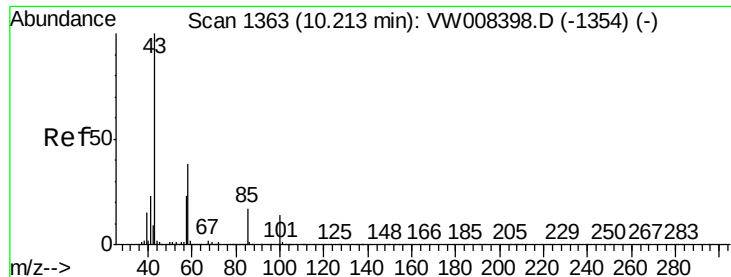
Tgt Ion: 98 Resp: 733374

Ion Ratio Lower Upper

98 100

100 65.0 52.6 78.8

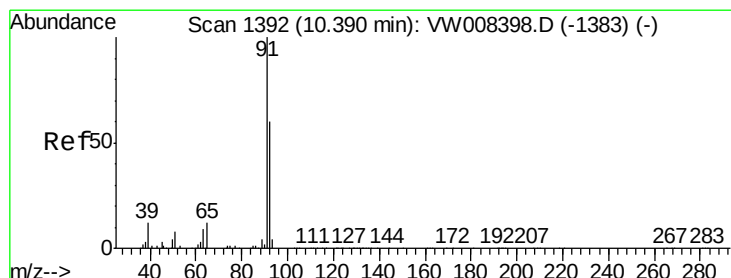
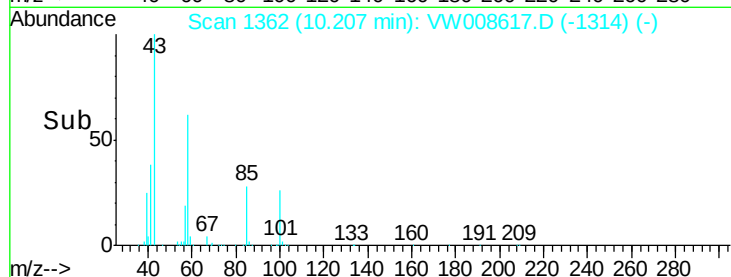
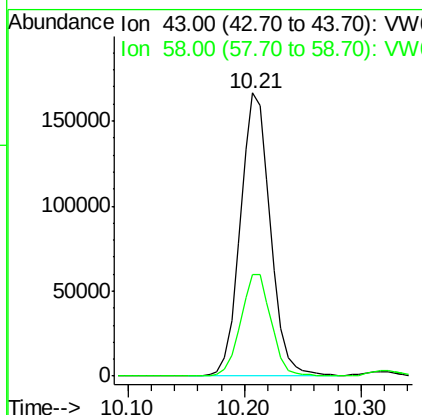
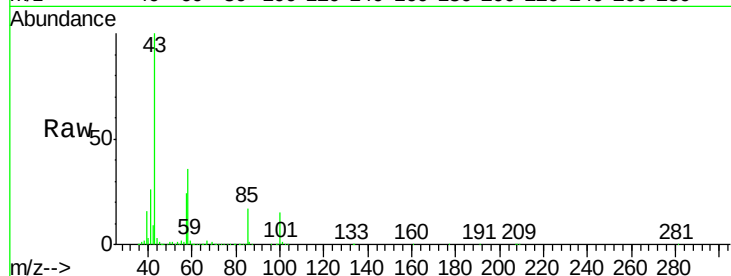




#51
4-Methyl-2-Pentanone
Concen: 117.160 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

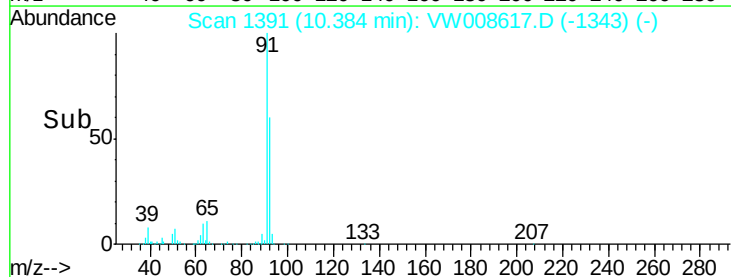
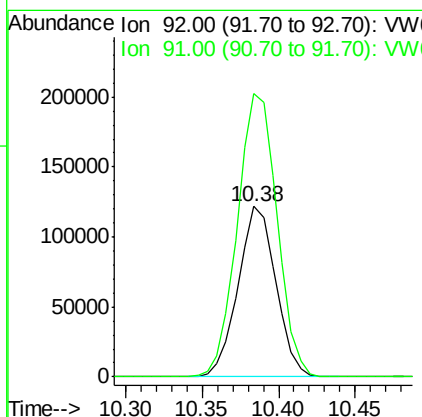
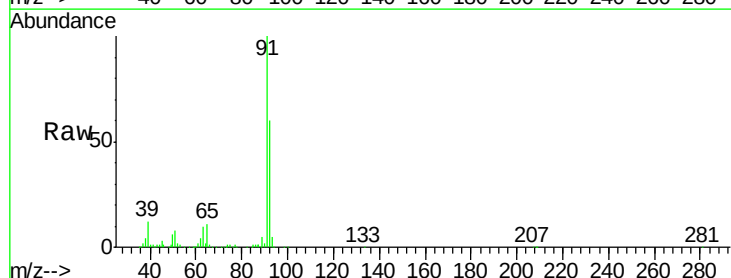
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

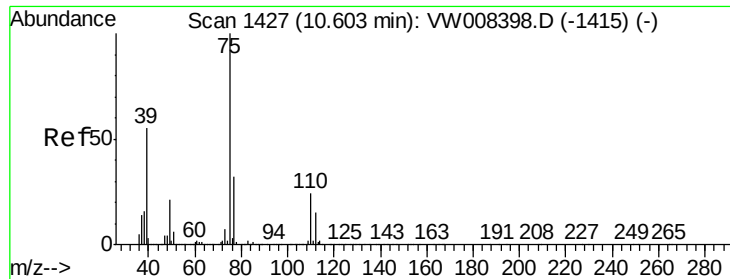
Tot Ion: 43 Resp: 296933
Ion Ratio Lower Upper
43 100
58 36.6 29.7 44.5



#52
Toluene
Concen: 20.505 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 92 Resp: 209635
Ion Ratio Lower Upper
92 100
91 174.0 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 21.053 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

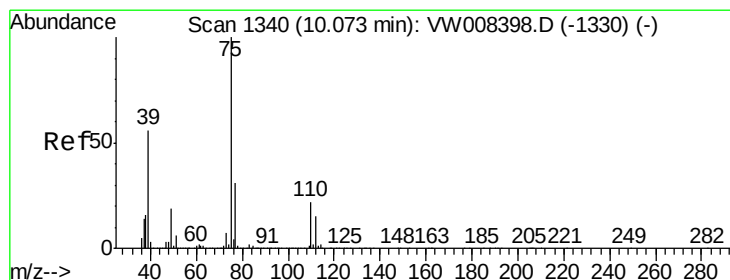
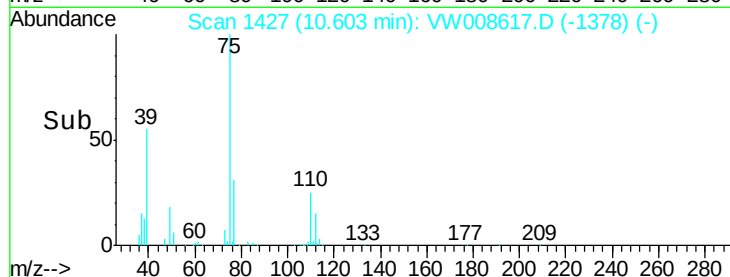
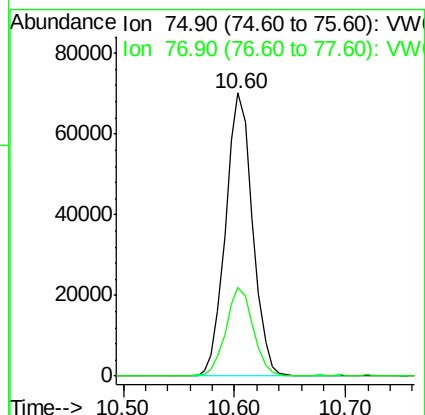
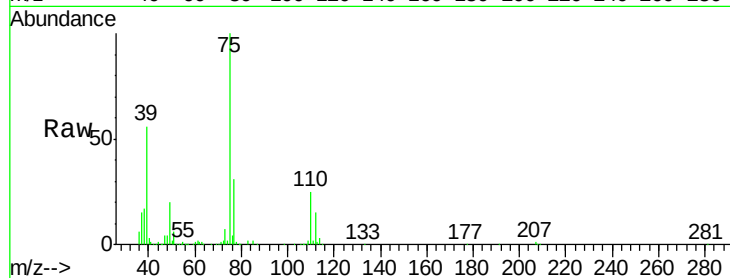
VW0212SBSD01

Tot Ion: 75 Resp: 117685

Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.840 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

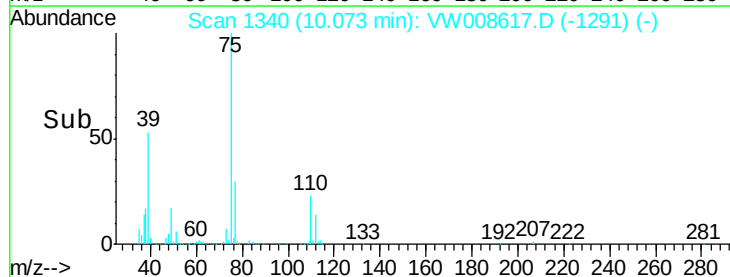
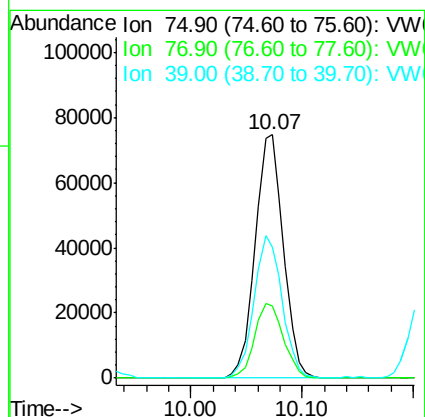
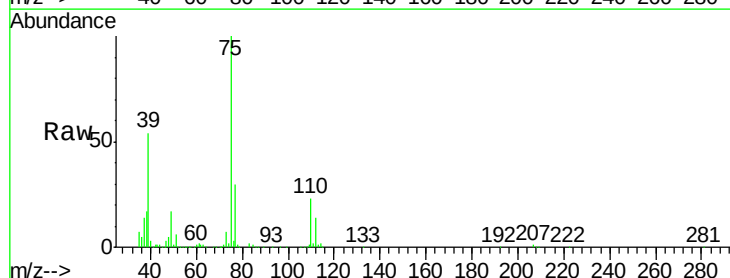
Tgt Ion: 75 Resp: 132206

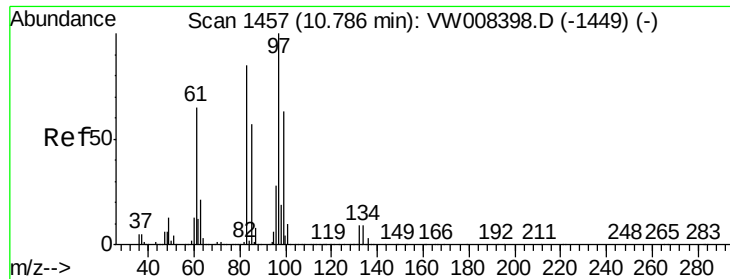
Ion Ratio Lower Upper

75 100

77 29.7 25.0 37.4

39 53.5 44.9 67.3

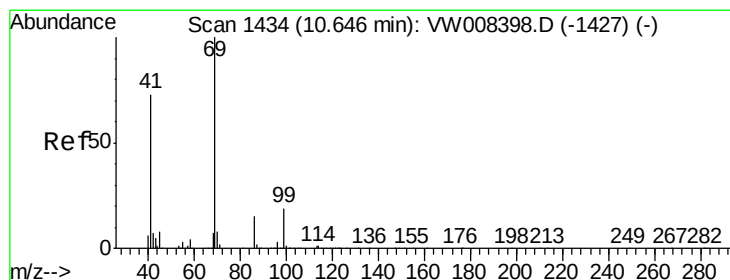
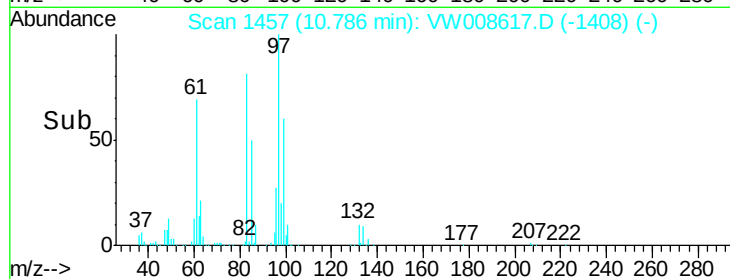
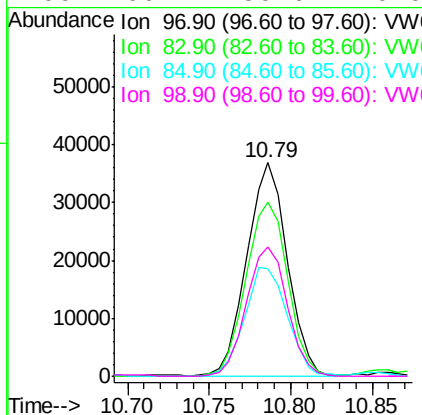
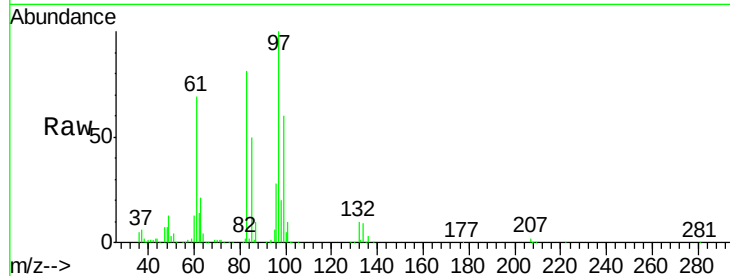




#55
 1,1,2-Trichloroethane
 Concen: 23.223 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

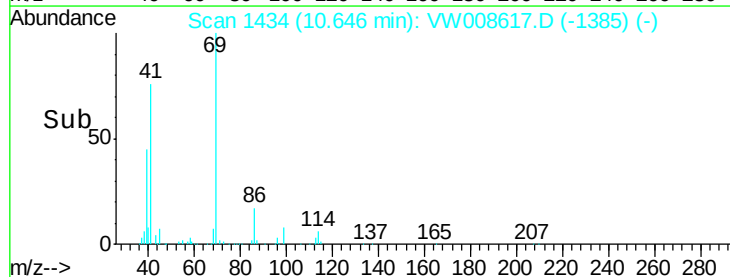
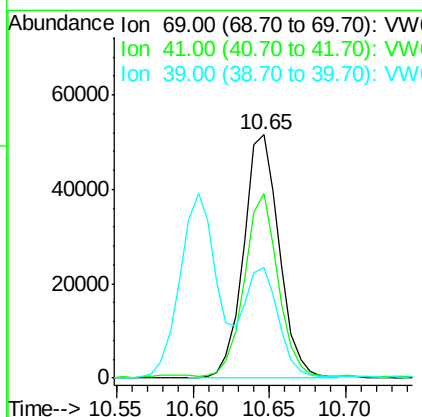
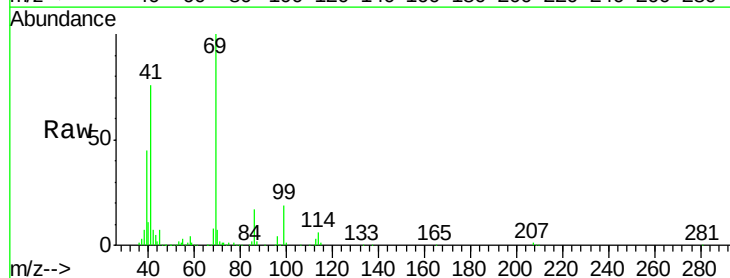
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

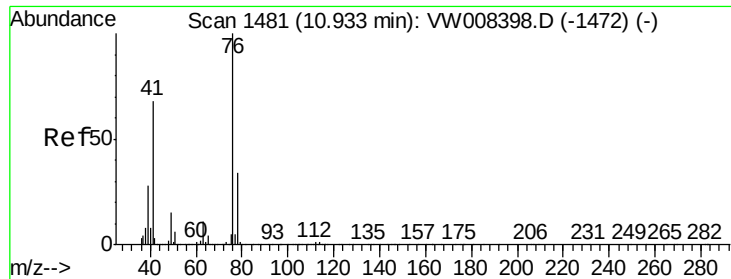
Tot Ion:	97	Resp:	63978
Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.4	102.6
85	50.1	45.3	67.9
99	60.4	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 21.616 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Tgt Ion:	69	Resp:	83442
Ion	Ratio	Lower	Upper
69	100		
41	70.4	58.7	88.1
39	43.0	32.6	48.8

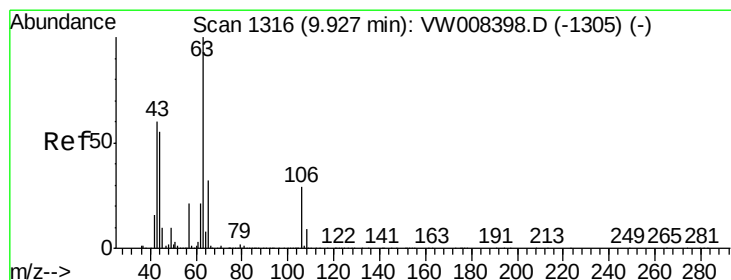
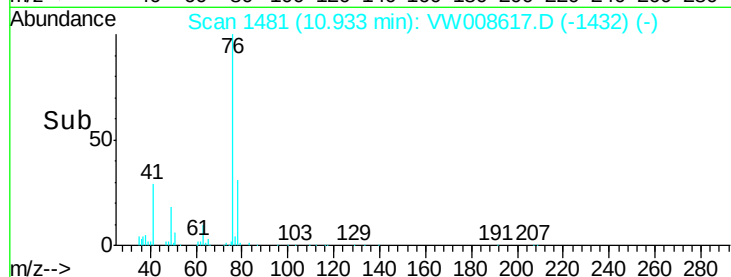
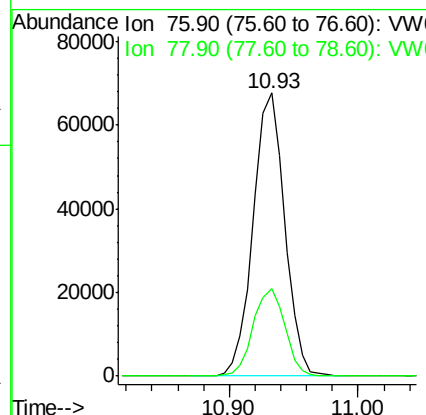
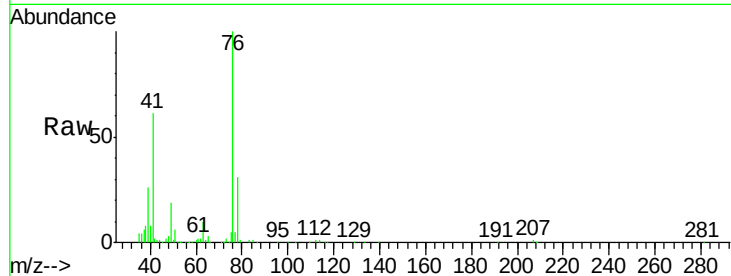




#57
 1,3-Dichloropropane
 Concen: 23.154 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

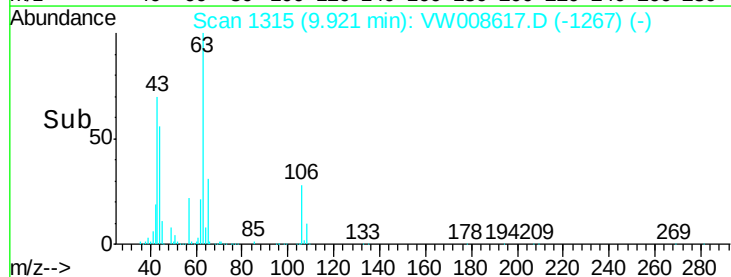
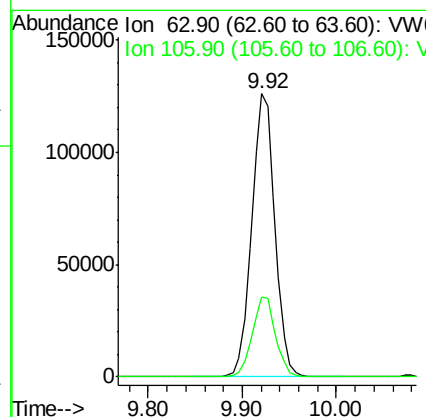
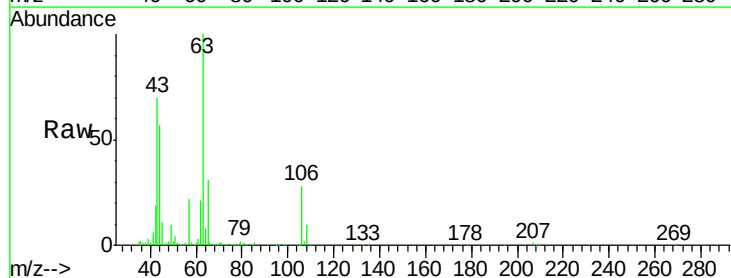
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

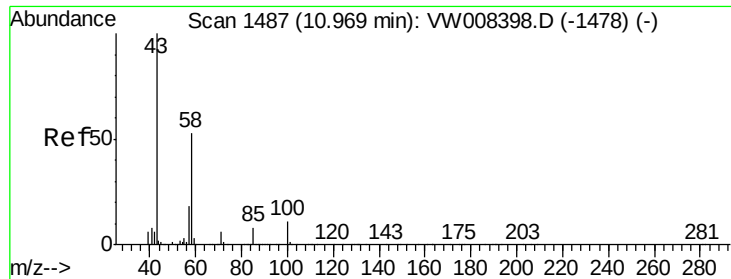
Tot Ion: 76 Resp: 114277
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.474 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Tgt Ion: 63 Resp: 216580
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.4 33.6

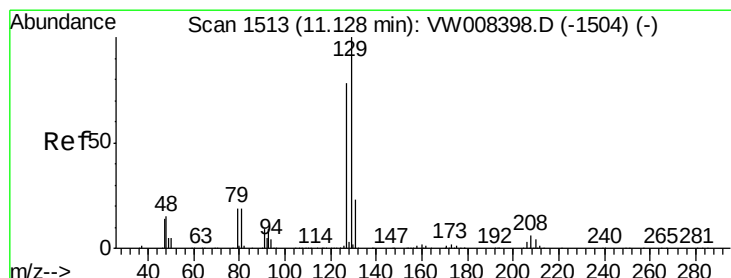
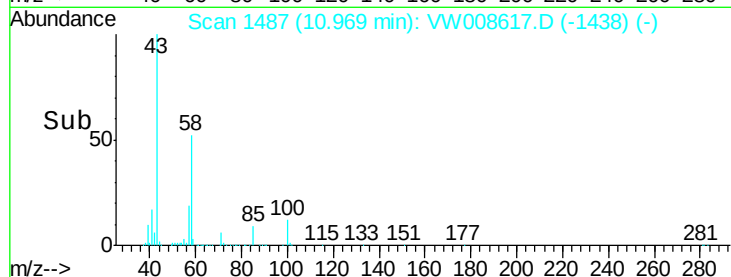
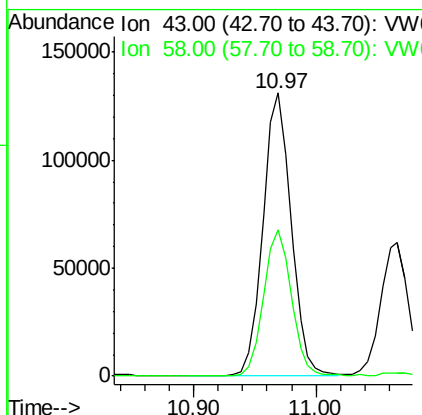
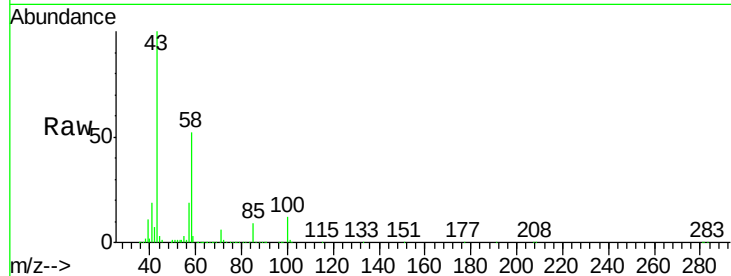




#59
2-Hexanone
Concen: 117.781 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

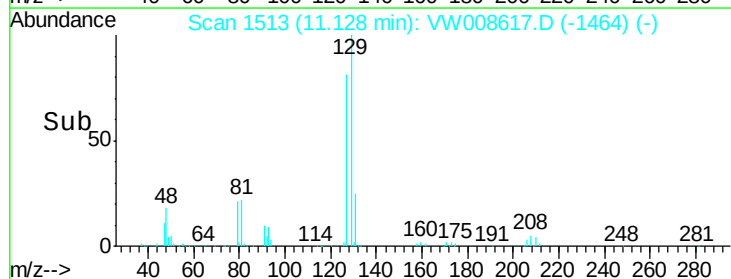
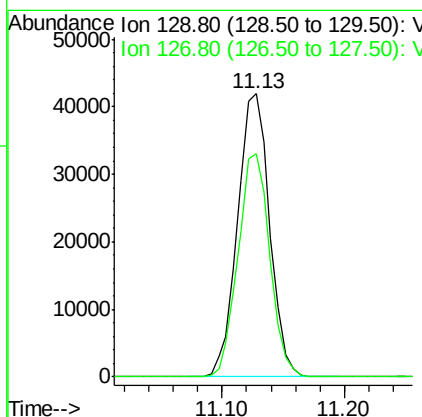
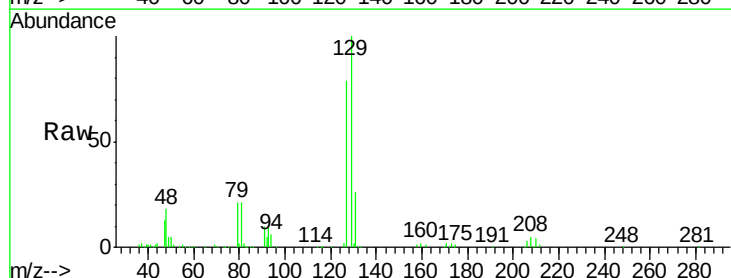
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

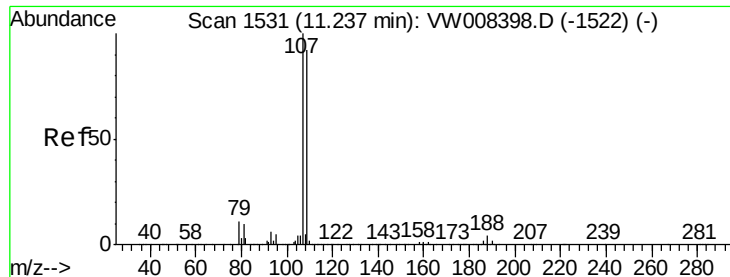
Tot Ion: 43 Resp: 210734
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.7



#60
Dibromochloromethane
Concen: 21.526 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 129 Resp: 76209
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 22.344 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

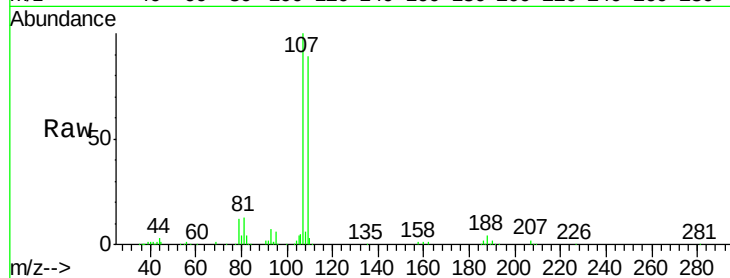
VW0212SBSD01

Tot Ion: 107 Resp: 61035

Ion Ratio Lower Upper

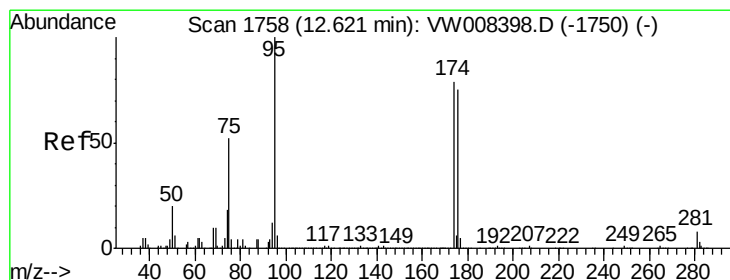
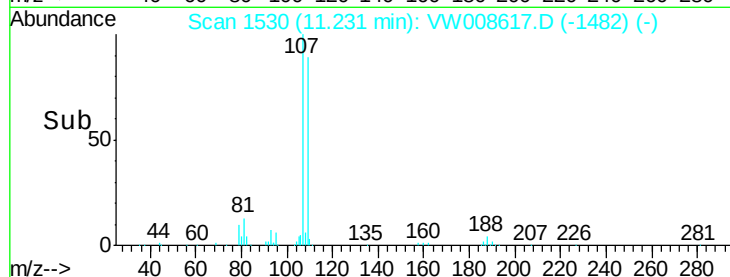
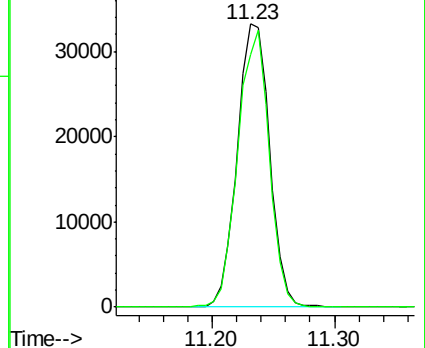
107 100

109 94.3 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.191 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

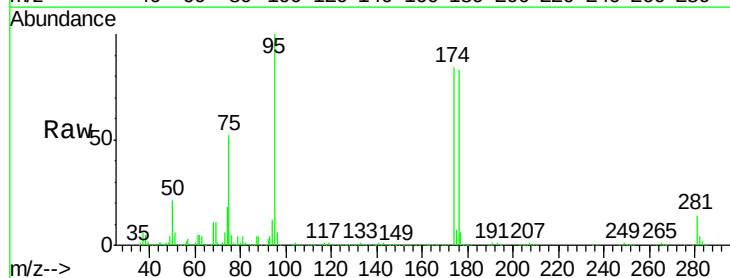
Tgt Ion: 95 Resp: 272614

Ion Ratio Lower Upper

95 100

174 84.2 0.0 157.6

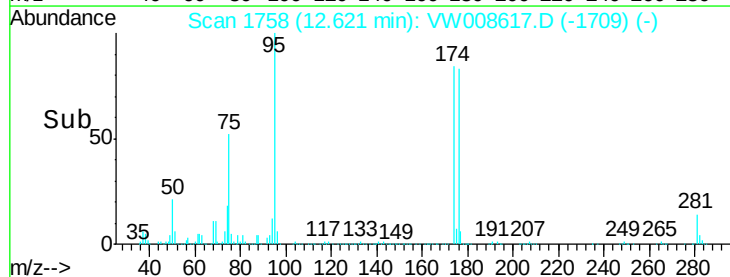
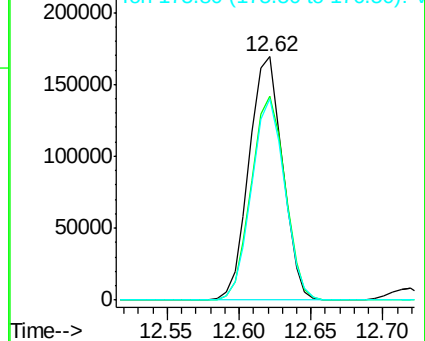
176 81.9 0.0 151.8

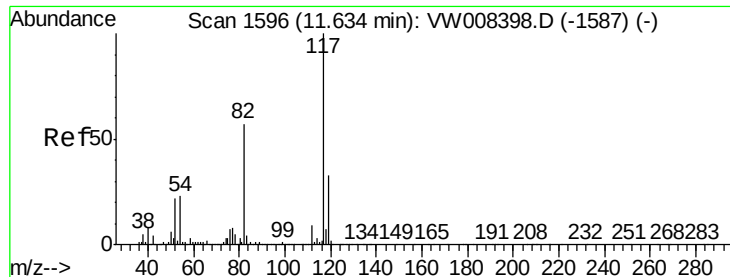


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

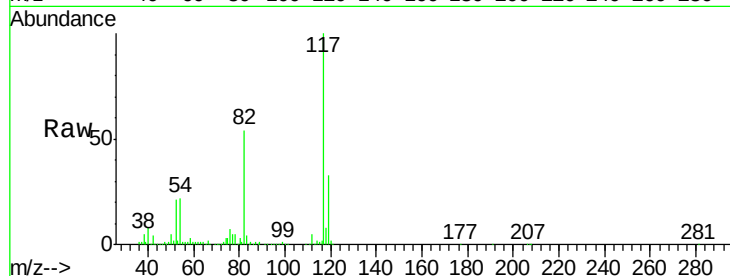
Tot Ion:117 Resp: 534692

Ion Ratio Lower Upper

117 100

82 54.5 45.4 68.0

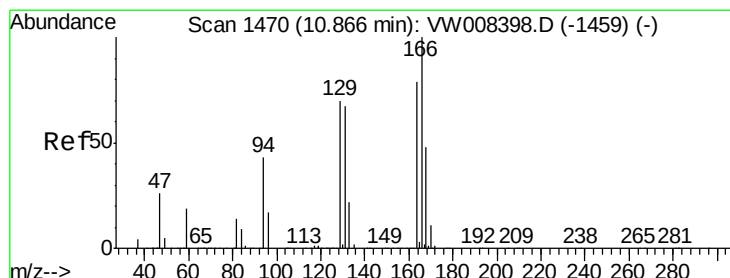
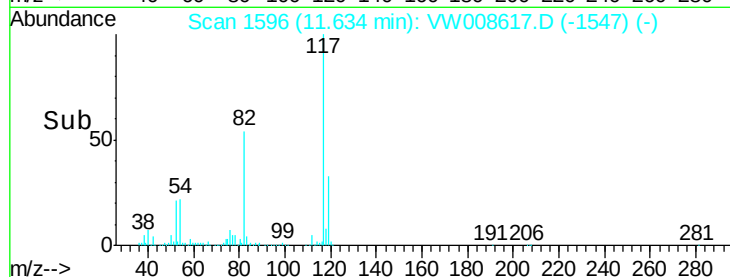
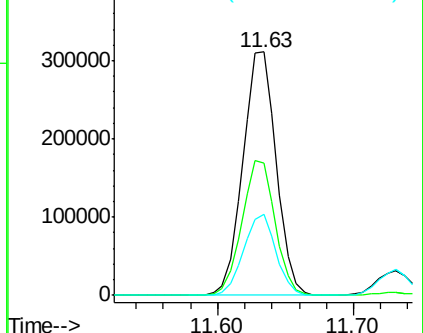
119 33.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.504 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Tgt Ion:164 Resp: 77850

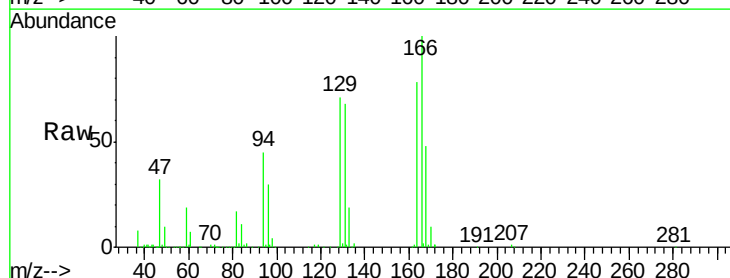
Ion Ratio Lower Upper

164 100

166 128.6 101.4 152.0

129 91.8 71.0 106.6

131 87.9 68.3 102.5

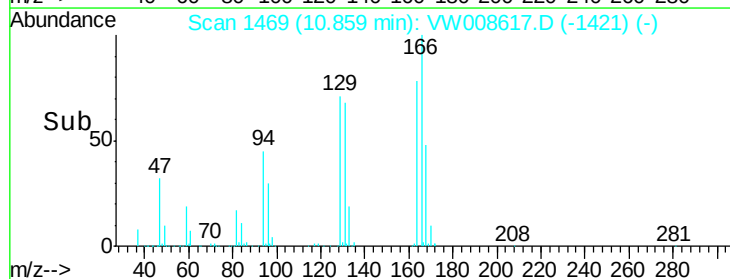
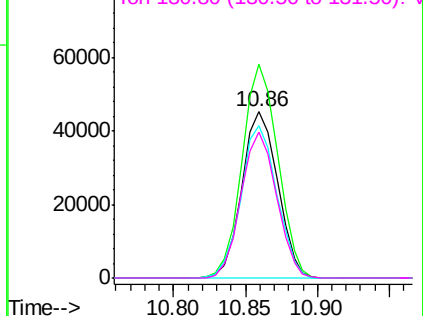


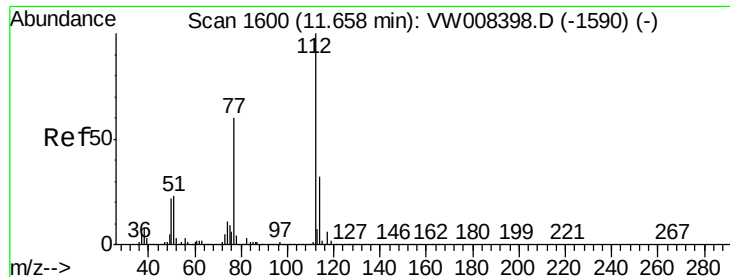
Abundance Ion 163.80 (163.50 to 164.50): V

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: 21.538 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

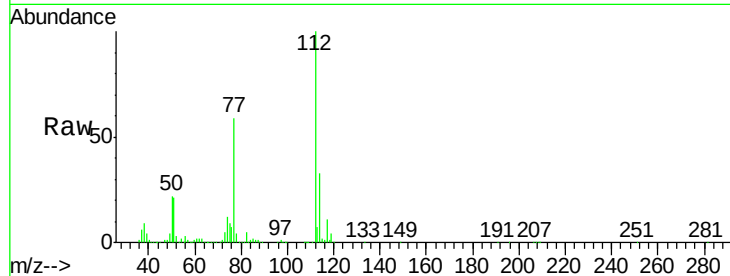
VW0212SBSD01

Tot Ion:112 Resp: 235090

Ion Ratio Lower Upper

112 100

114 33.2 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

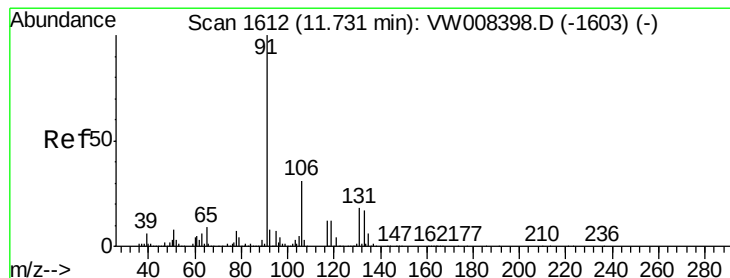
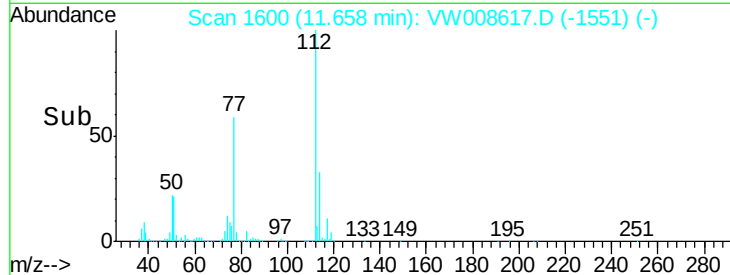
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.352 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

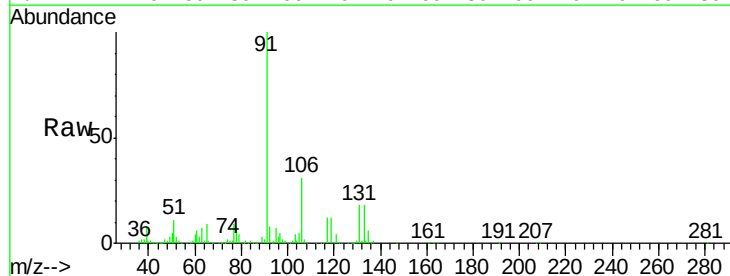
Tgt Ion:131 Resp: 83384

Ion Ratio Lower Upper

131 100

133 96.4 47.0 141.2

119 64.4 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

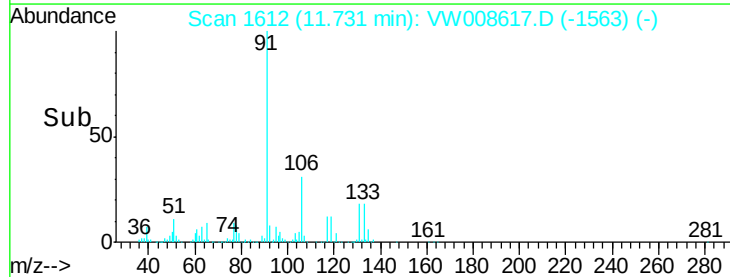
11.73

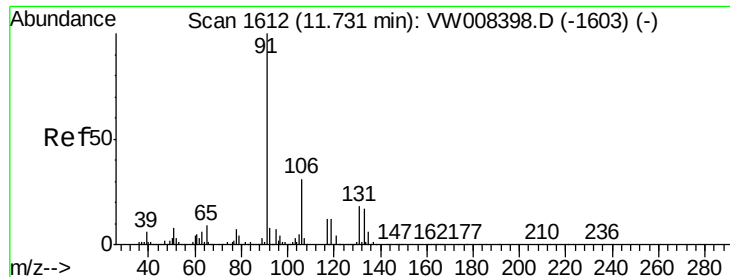
100000

50000

0

Time-->

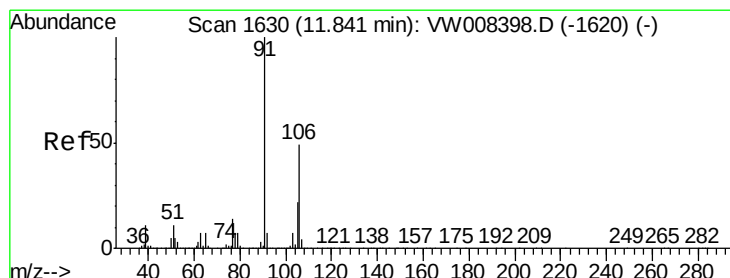
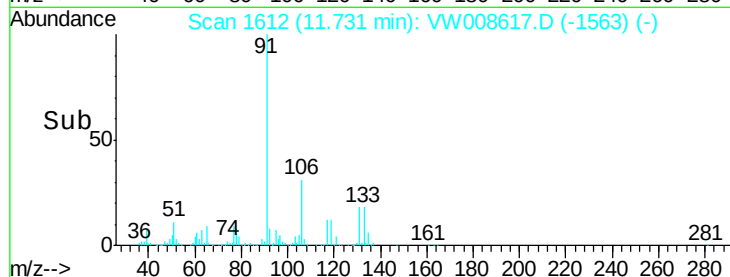
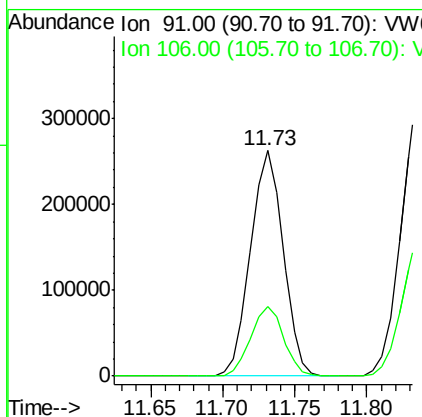
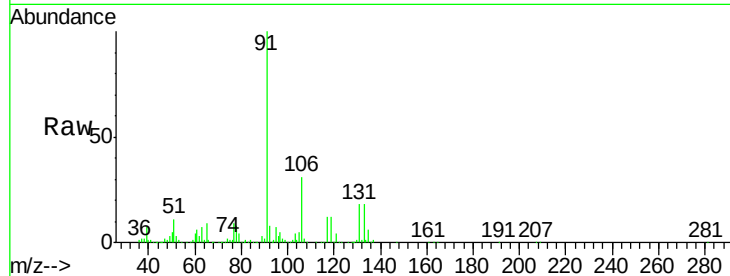




#67
Ethyl Benzene
Concen: 20.571 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

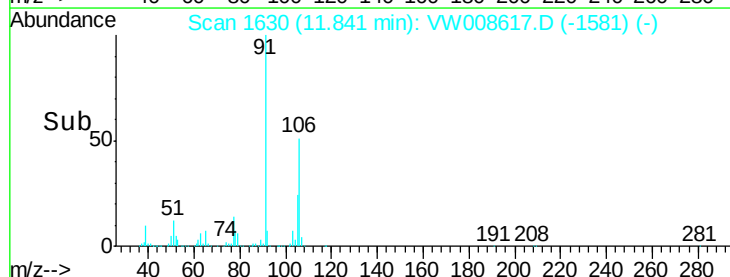
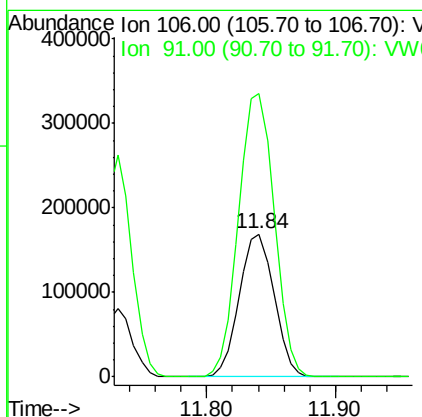
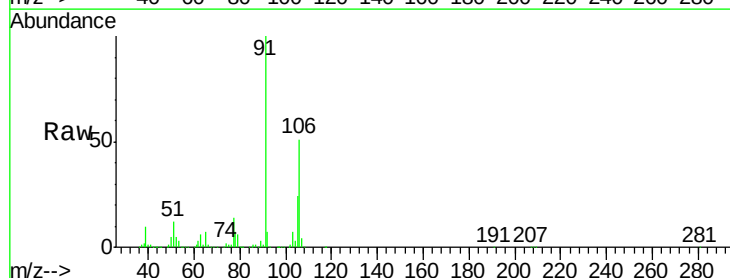
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

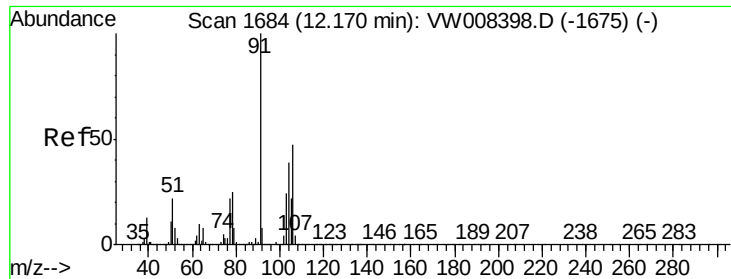
Tot Ion: 91 Resp: 412732
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 40.836 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 106 Resp: 317888
Ion Ratio Lower Upper
106 100
91 203.2 162.9 244.3

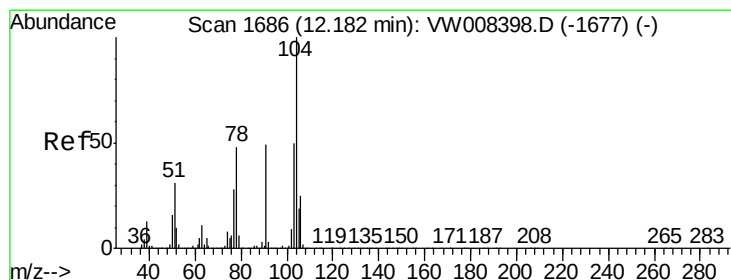
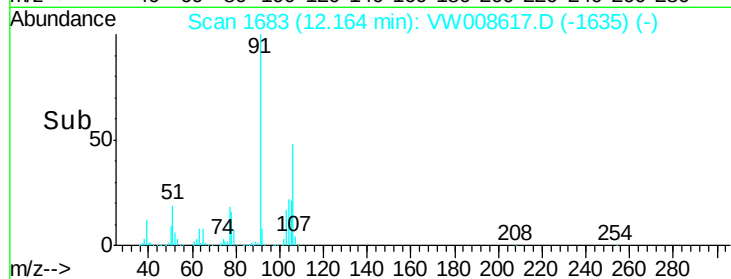
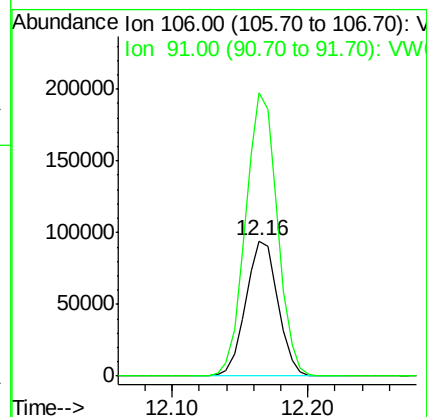
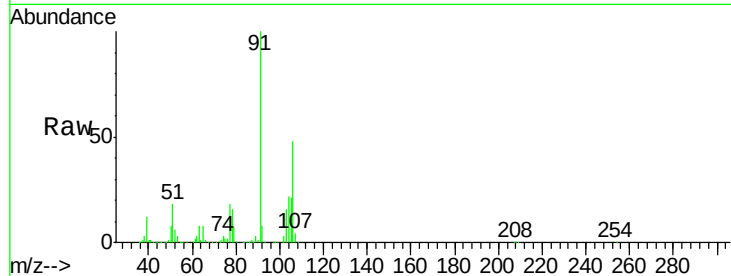




#69
o-Xylene
Concen: 21.041 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

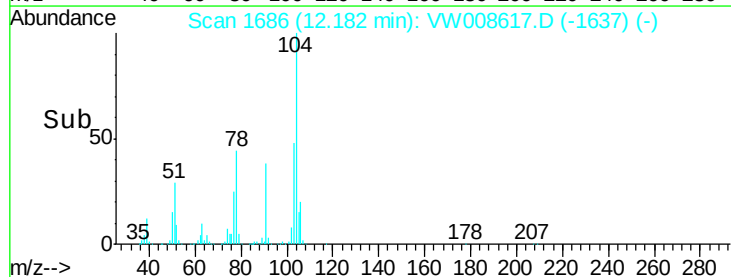
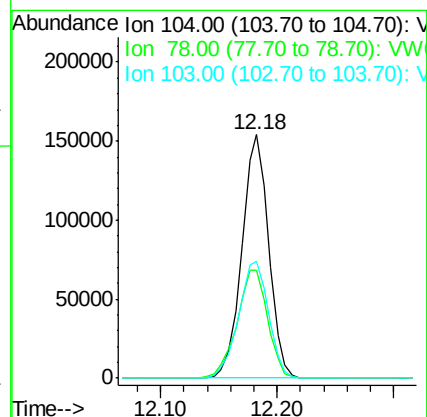
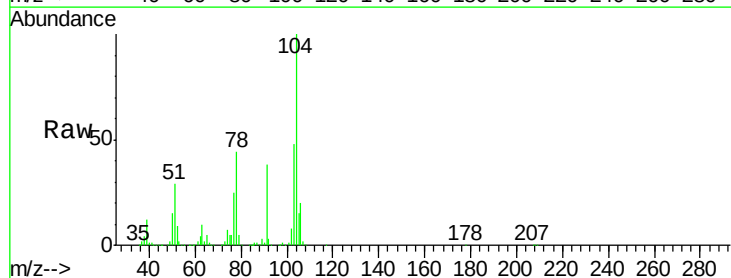
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

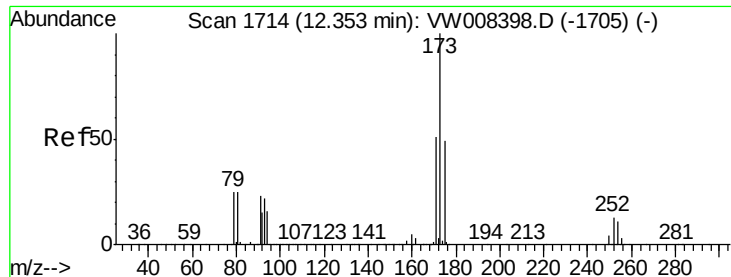
Tot Ion:106 Resp: 155627
Ion Ratio Lower Upper
106 100
91 207.2 107.5 322.4



#70
Styrene
Concen: 20.238 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion:104 Resp: 247254
Ion Ratio Lower Upper
104 100
78 50.8 42.4 63.6
103 54.0 43.4 65.0





#71

Bromoform

Concen: 20.651 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

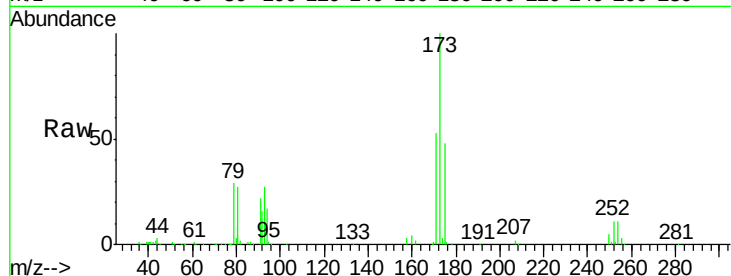
Tot Ion:173 Resp: 45375

Ion Ratio Lower Upper

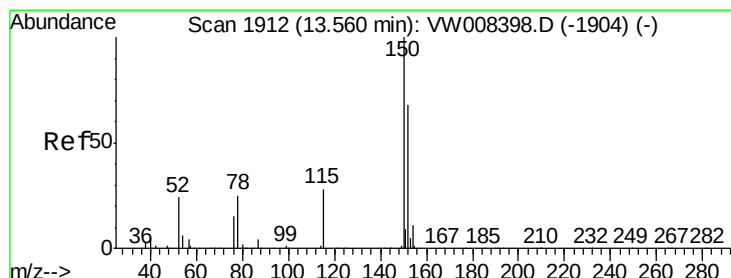
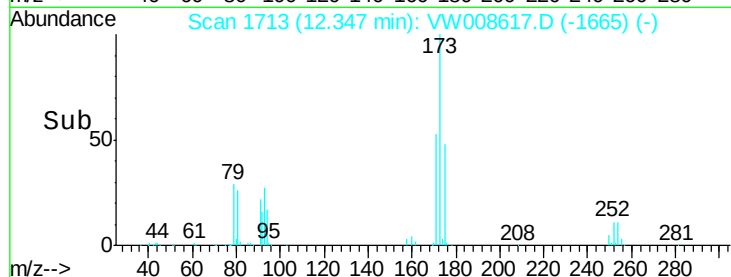
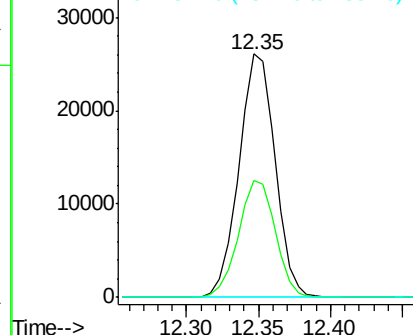
173 100

175 48.9 24.4 73.4

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

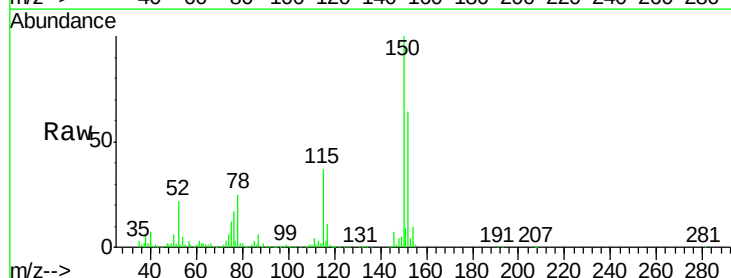
Tgt Ion:152 Resp: 284024

Ion Ratio Lower Upper

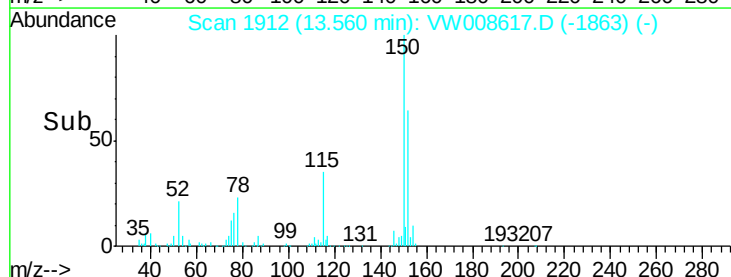
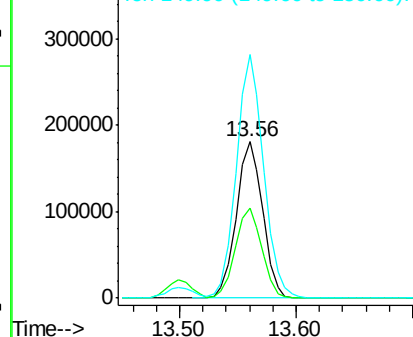
152 100

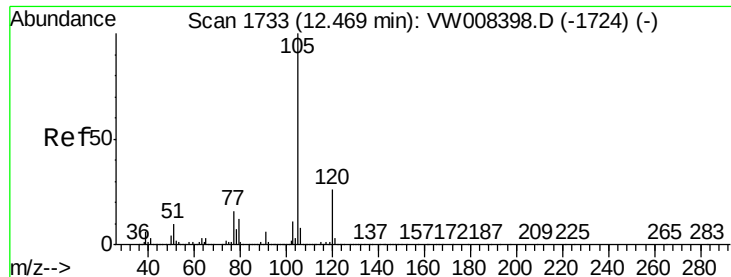
115 58.1 29.9 89.7

150 161.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.019 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

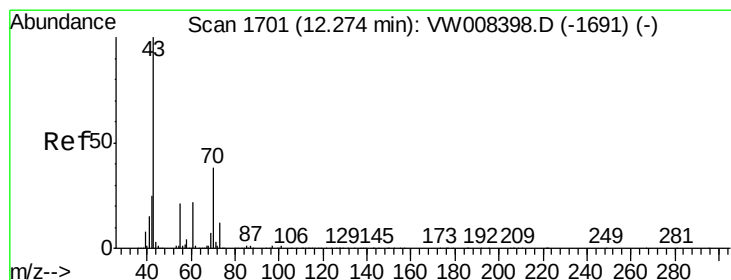
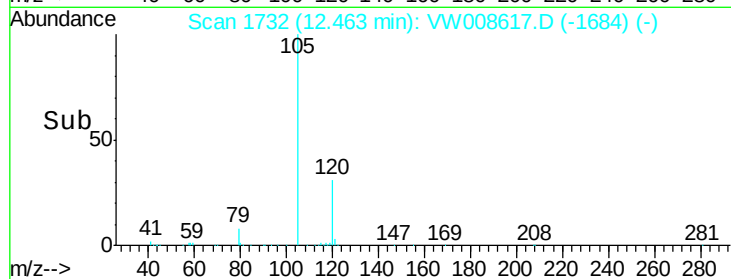
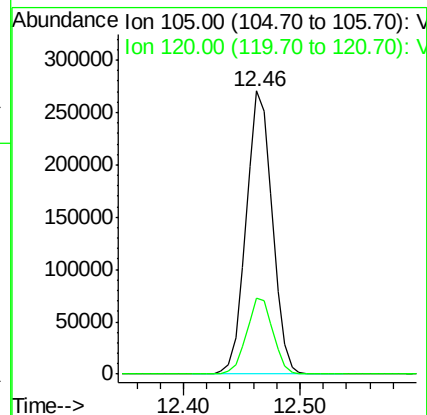
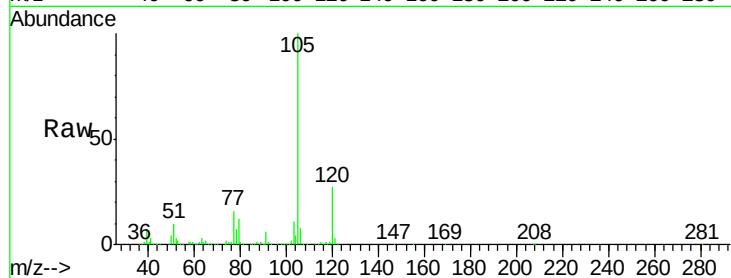
VW0212SBSD01

Tot Ion:105 Resp: 423899

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



#74

N-ethyl acetate

Concen: 20.536 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Tgt Ion: 43 Resp: 112021

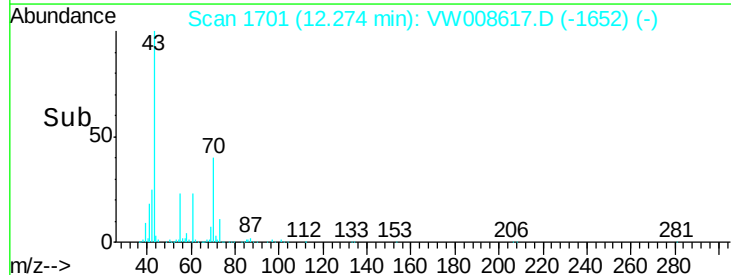
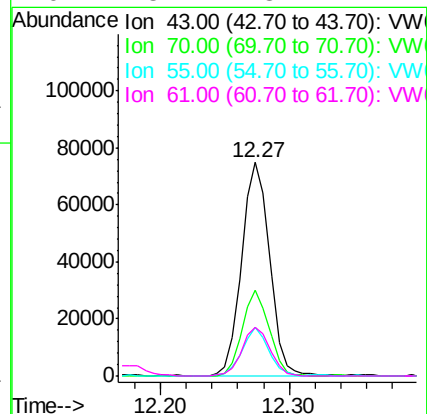
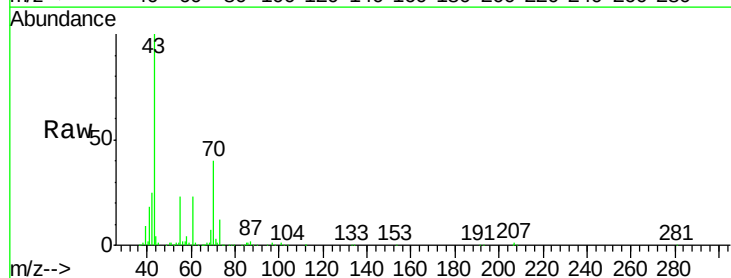
Ion Ratio Lower Upper

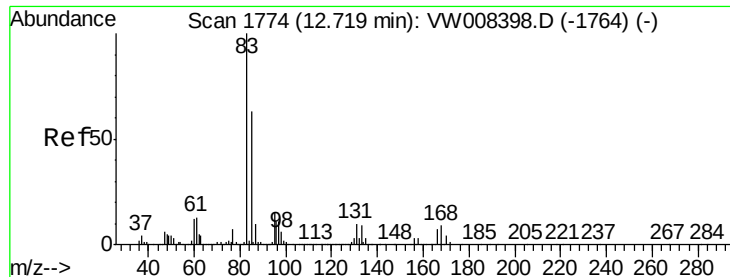
43 100

70 38.8 31.0 46.6

55 21.9 17.4 26.2

61 23.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.822 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

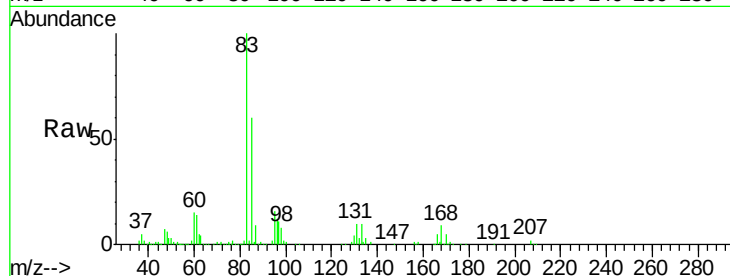
Tot Ion: 83 Resp: 76507

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

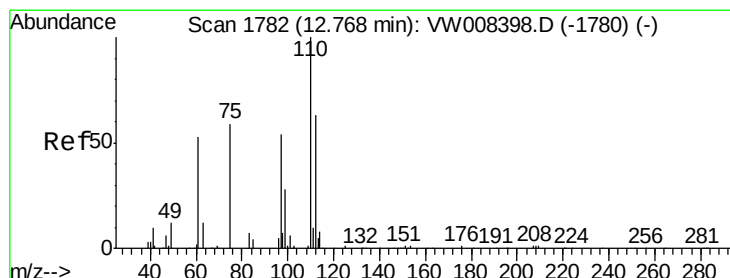
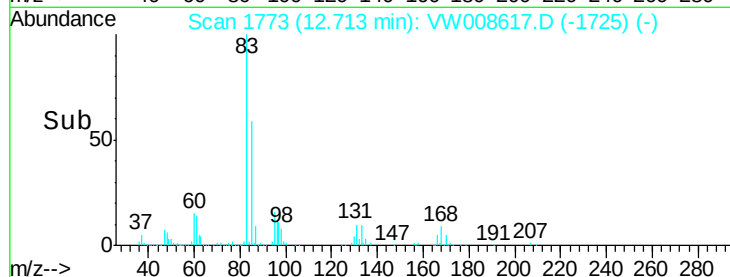
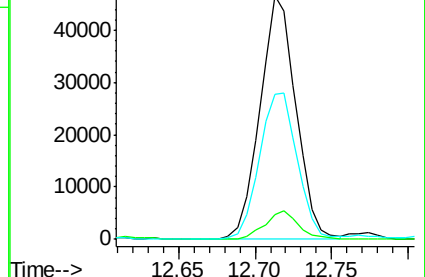
85 63.3 31.9 95.5



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: 21.387 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008617.D

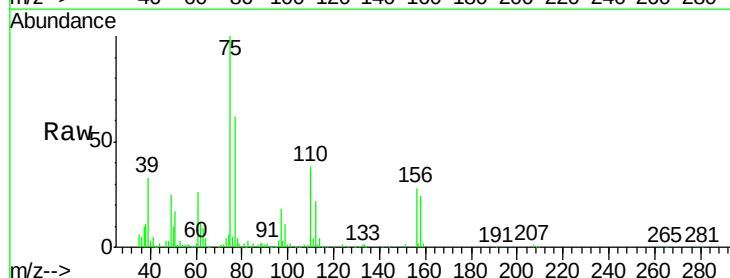
Acq: 12 Feb 2019 12:45

Tgt Ion: 75 Resp: 52814

Ion Ratio Lower Upper

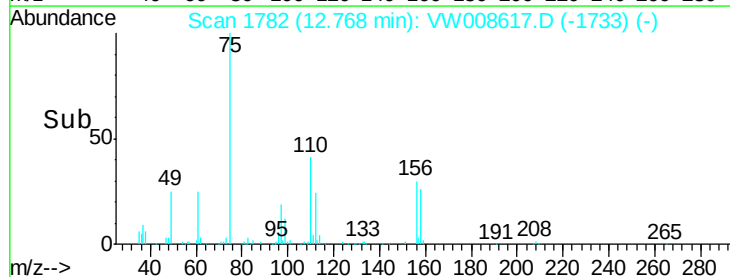
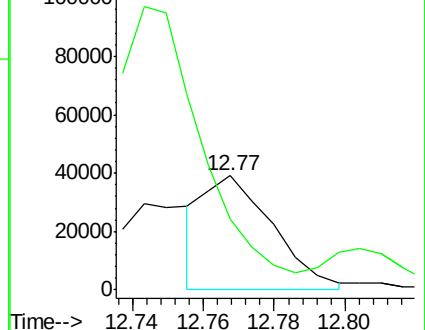
75 100

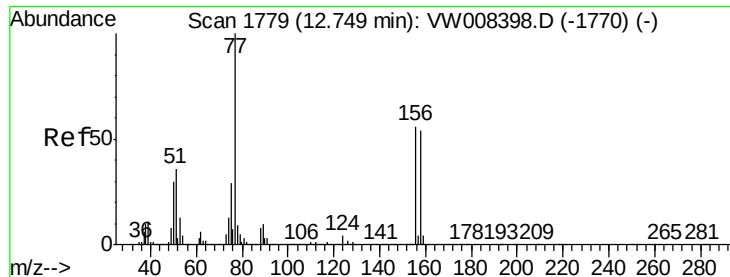
77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

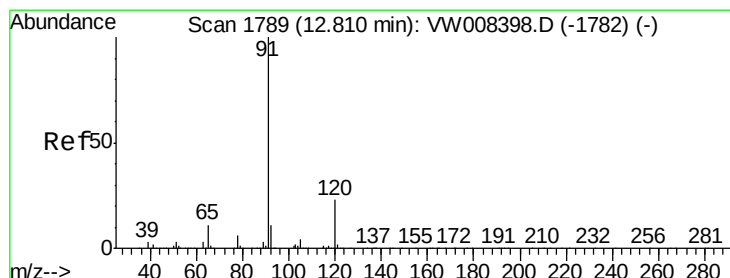
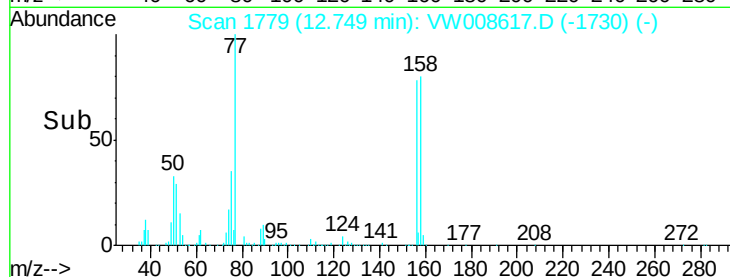
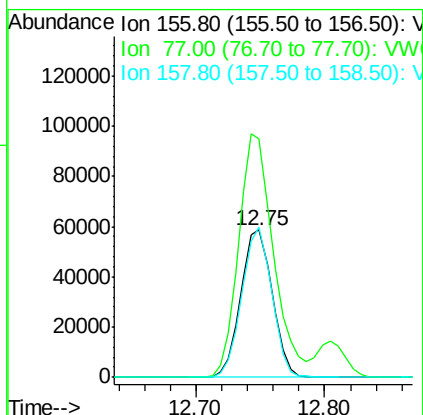
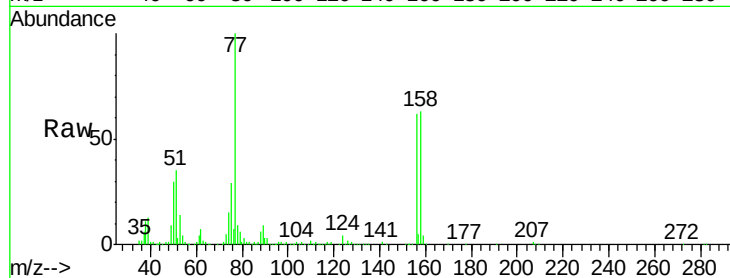




#77
Bromobenzene
Concen: 21.428 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

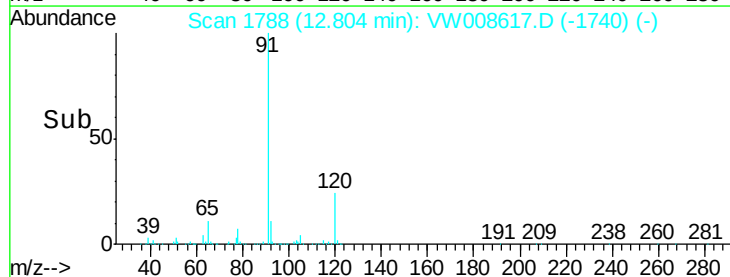
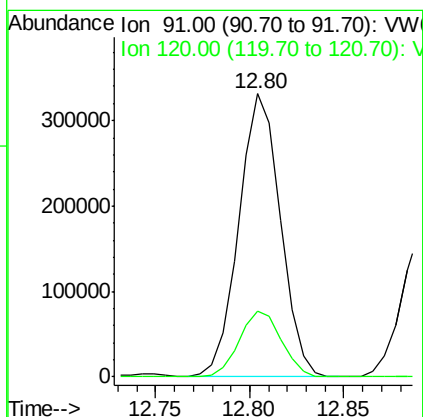
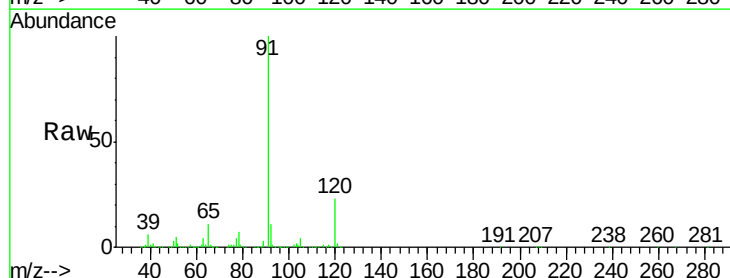
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

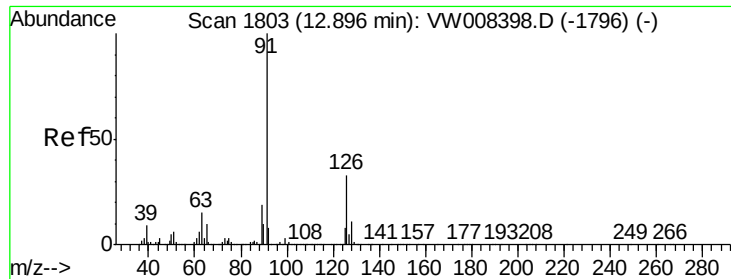
Tot Ion:156 Resp: 99088
Ion Ratio Lower Upper
156 100
77 182.4 96.9 290.7
158 96.4 48.8 146.4



#78
n-propylbenzene
Concen: 19.846 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 91 Resp: 504725
Ion Ratio Lower Upper
91 100
120 23.8 11.4 34.1





#79

2-Chlorotoluene

Concen: 19.802 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

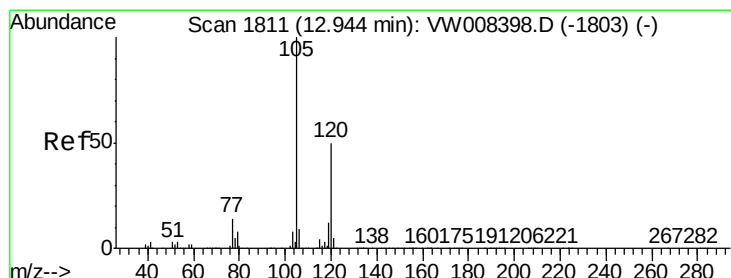
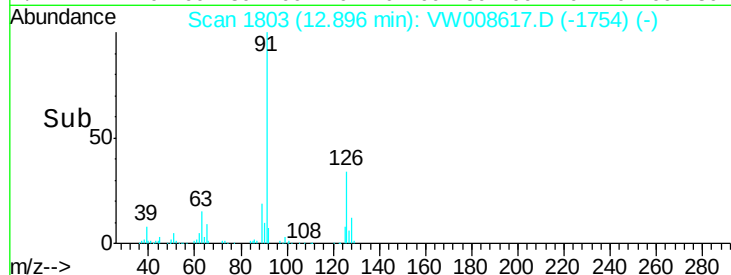
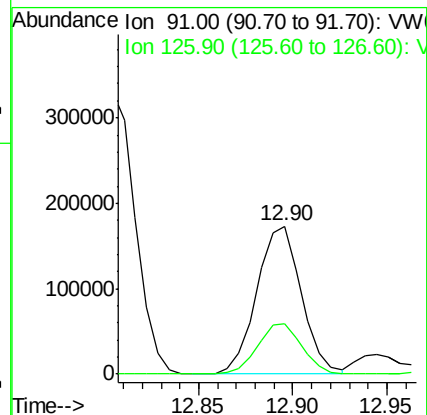
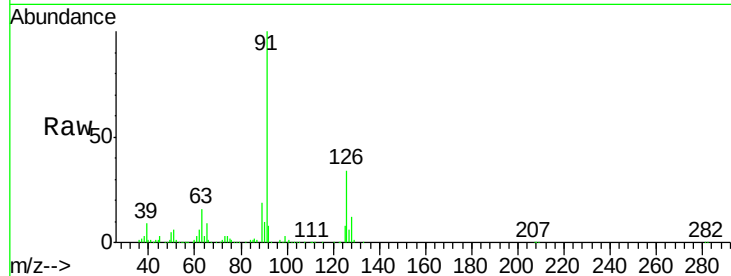
VW0212SBSD01

Tot Ion: 91 Resp: 284188

Ion Ratio Lower Upper

91 100

126 34.0 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 19.828 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008617.D

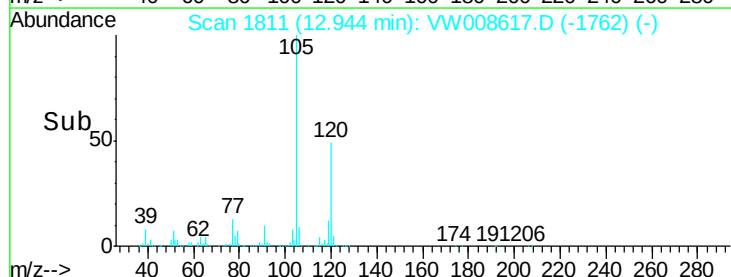
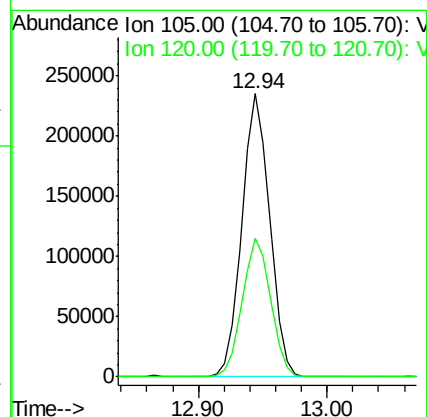
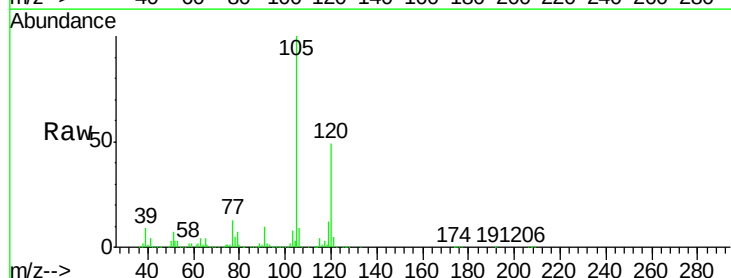
Acq: 12 Feb 2019 12:45

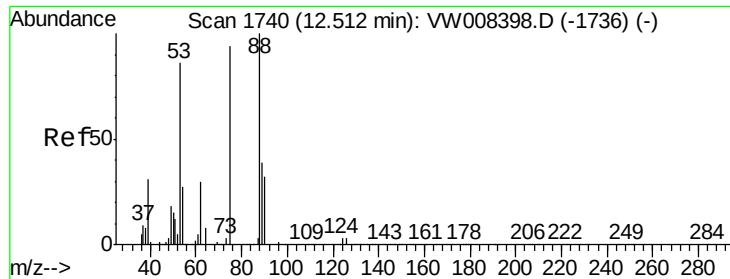
Tgt Ion: 105 Resp: 350931

Ion Ratio Lower Upper

105 100

120 50.0 24.6 73.8

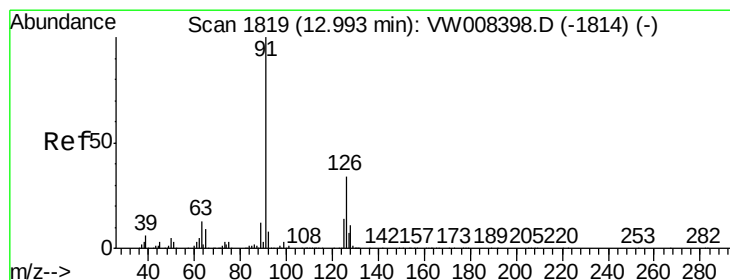
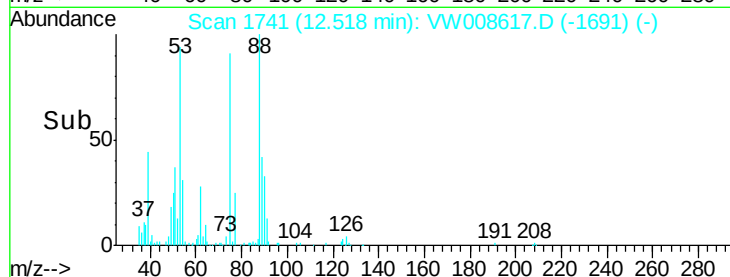
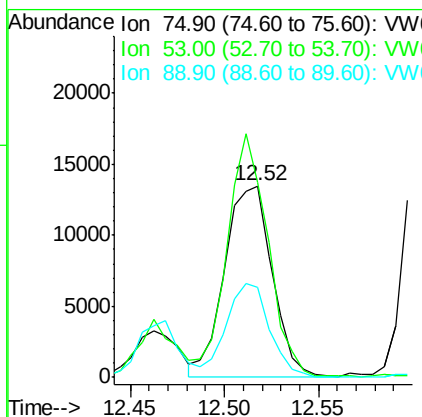
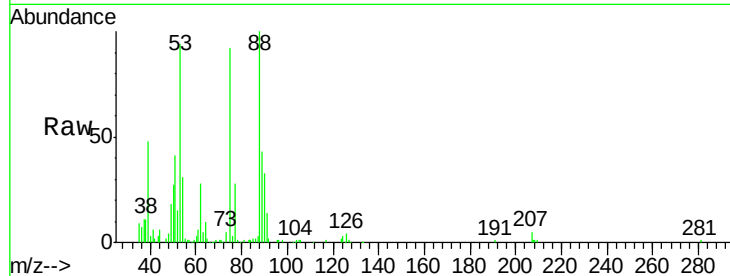




#81
trans-1,4-Dichloro-2-butene
Concen: 18.920 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

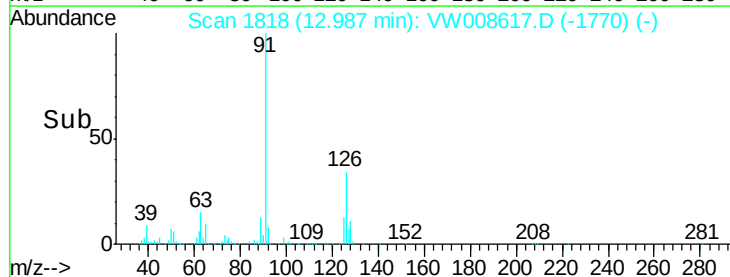
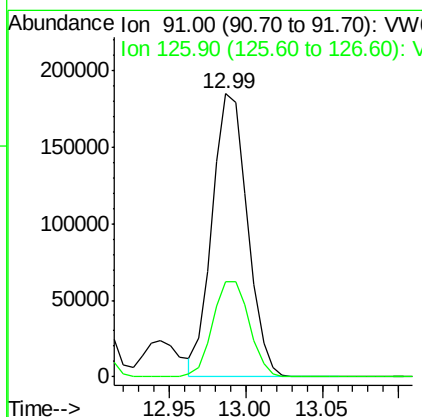
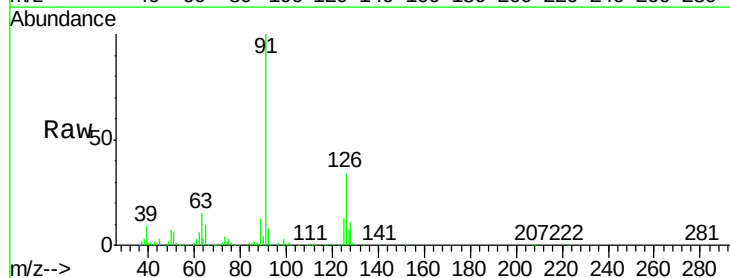
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

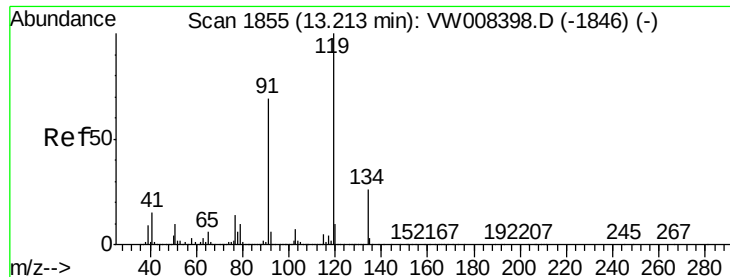
Tot Ion: 75 Resp: 23655
Ion Ratio Lower Upper
75 100
53 108.6 76.0 114.0
89 44.6 35.4 53.0



#82
4-Chlorotoluene
Concen: 19.335 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 91 Resp: 295422
Ion Ratio Lower Upper
91 100
126 35.0 16.4 49.2

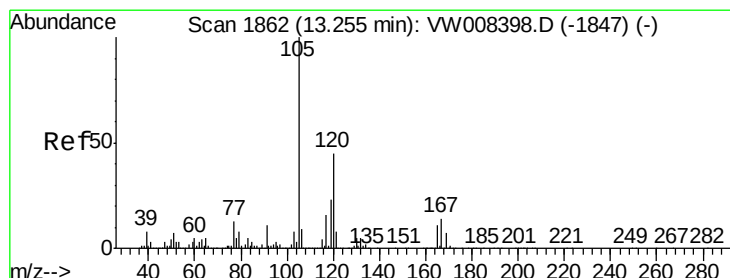
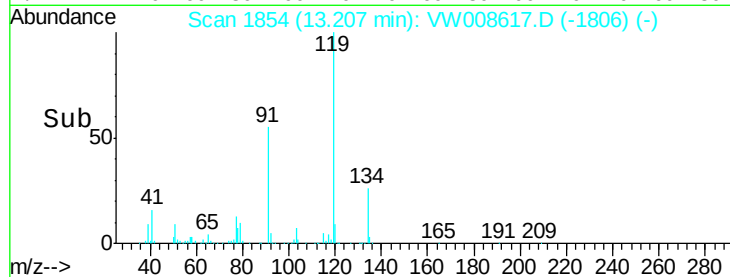
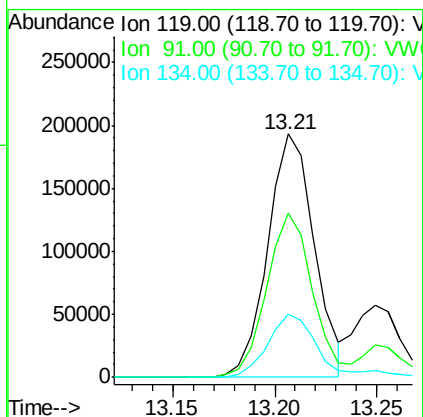
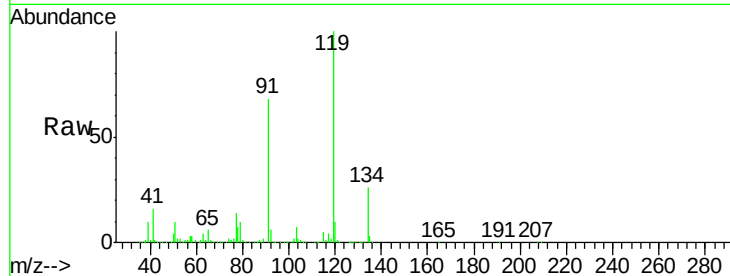




#83
tert-Butylbenzene
Concen: 19.564 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

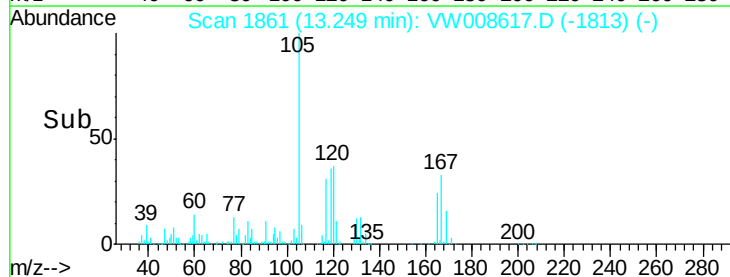
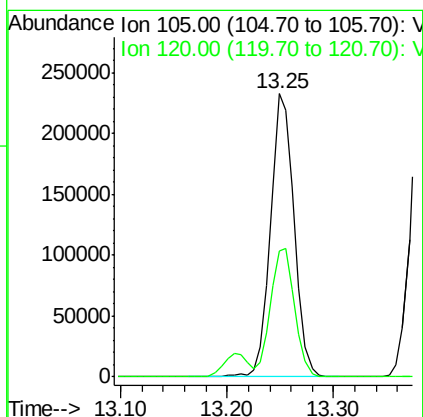
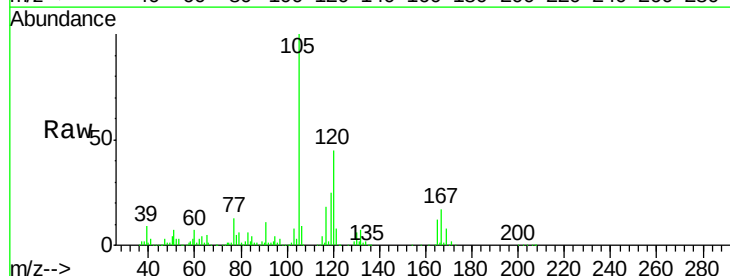
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

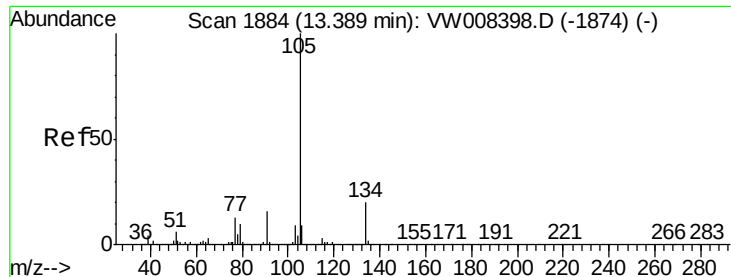
Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.8	101.4
134	28.1	13.5	40.4



#84
1,2,4-Trimethylbenzene
Concen: 20.019 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2

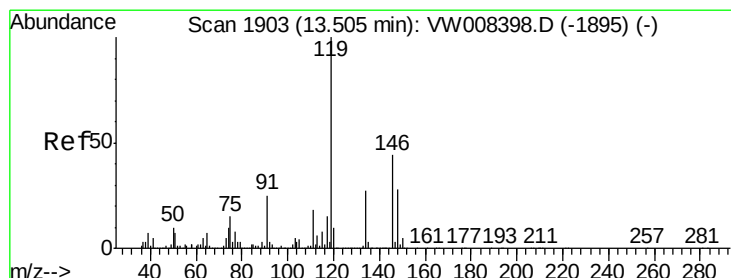
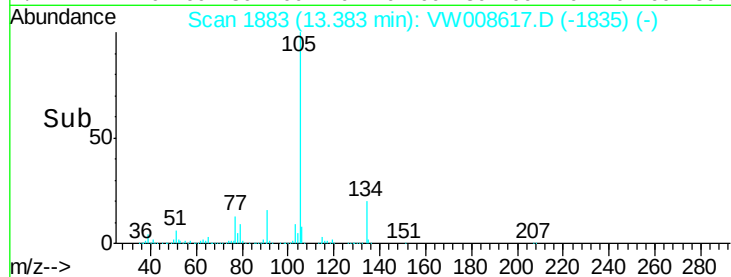
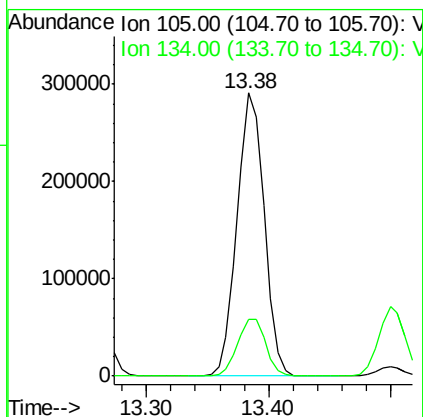
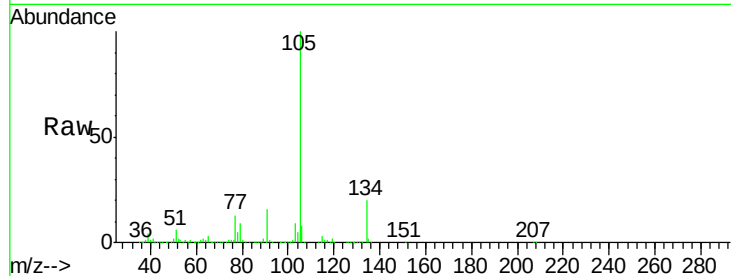




#85
 sec-Butylbenzene
 Concen: 19.915 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

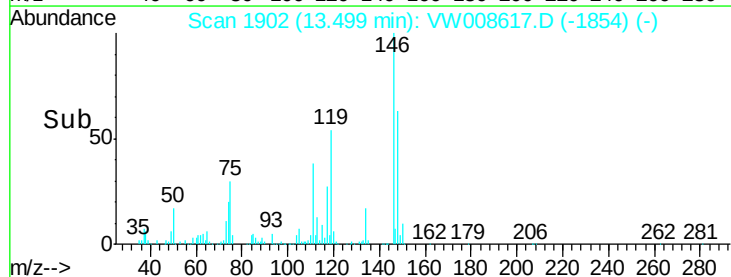
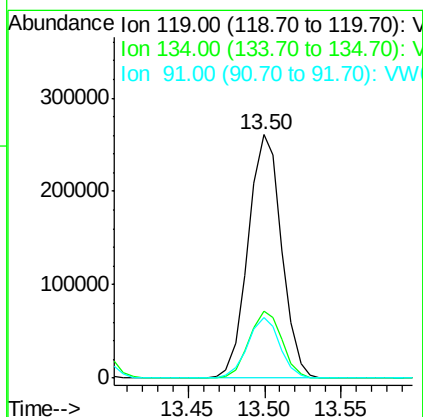
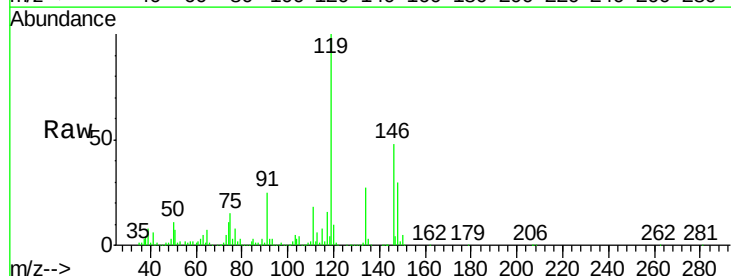
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

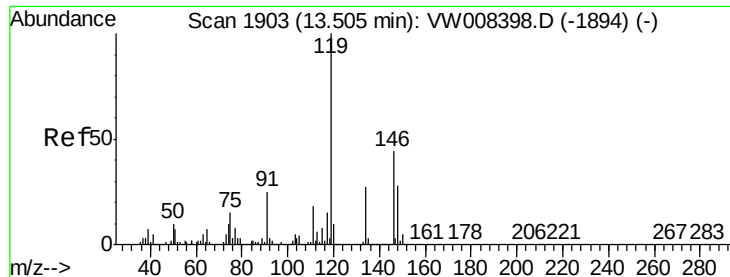
Tot Ion:105 Resp: 447926
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 20.074 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Tgt Ion:119 Resp: 395509
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.2
 91 24.4 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 21.288 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

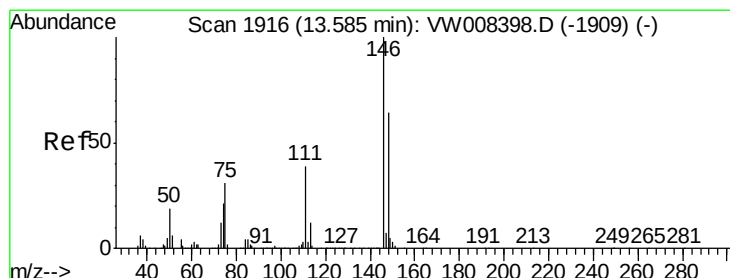
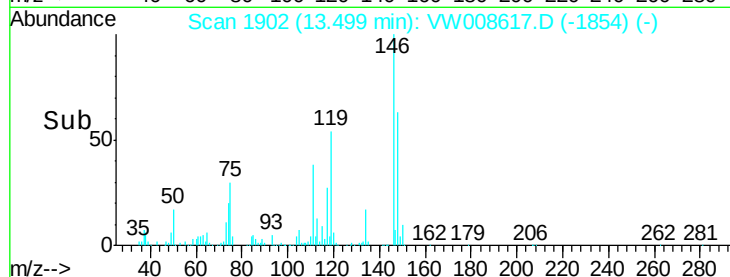
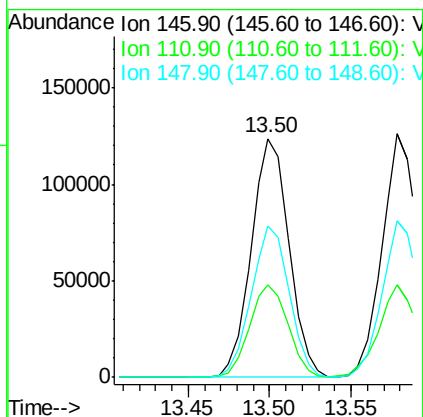
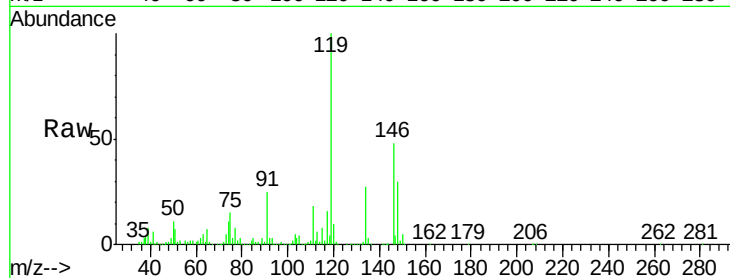
Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

Tot Ion:146	Resp:	198817
Ion Ratio	Lower	Upper
146	100	
111	39.5	20.3 60.9
148	63.5	31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 21.127 ug/l

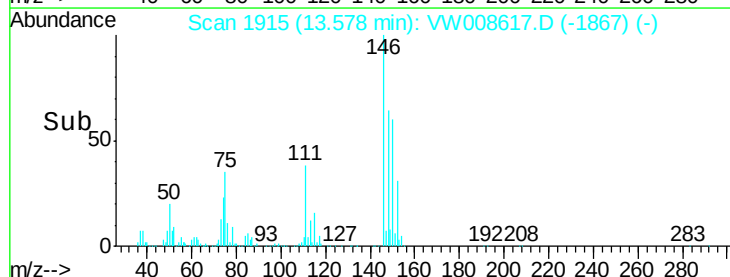
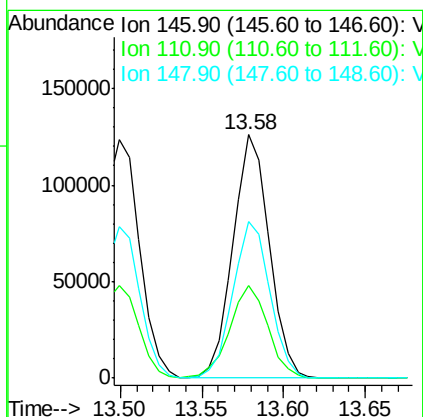
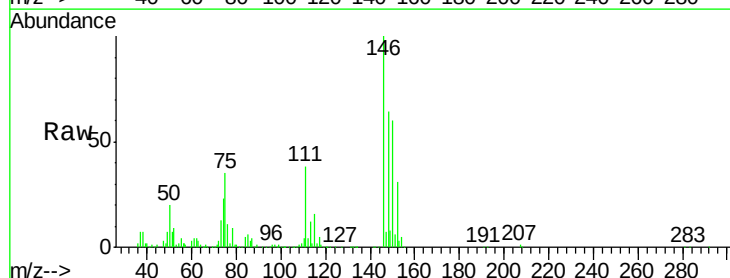
RT: 13.58 min Scan# 1915

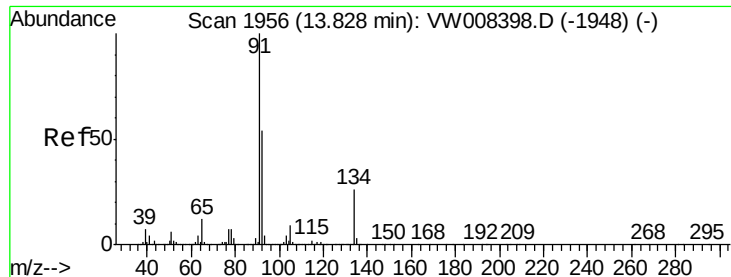
Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Tgt Ion:146	Resp:	196091
Ion Ratio	Lower	Upper
146	100	
111	40.0	20.0 60.0
148	65.4	32.0 96.2

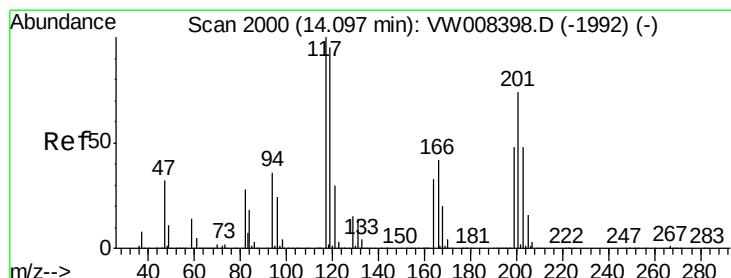
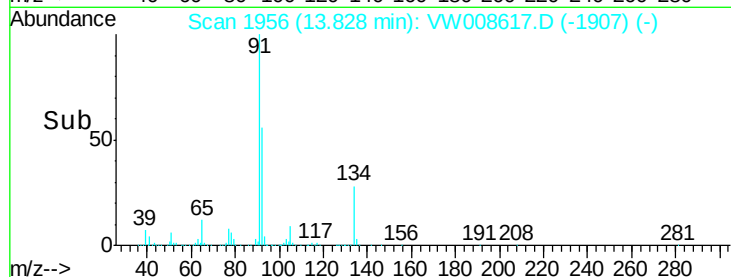
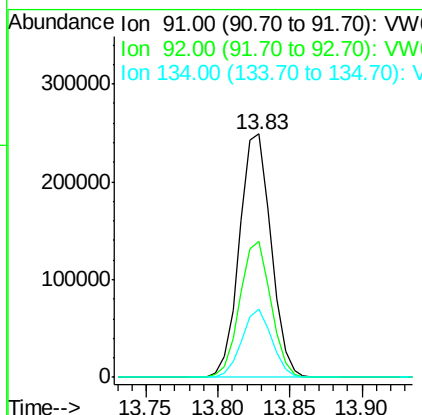
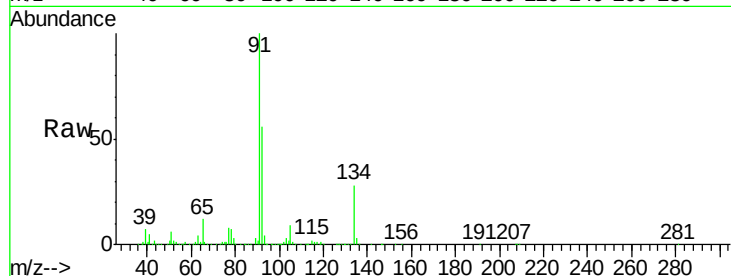




#89
n-Butylbenzene
Concen: 19.581 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

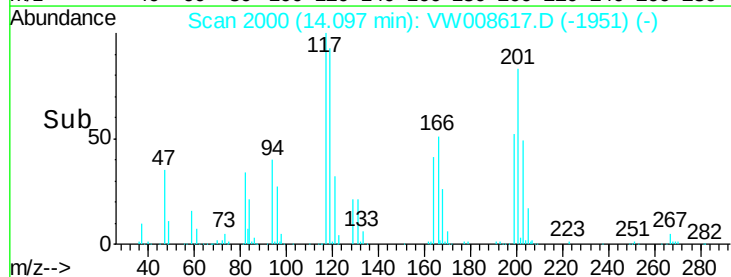
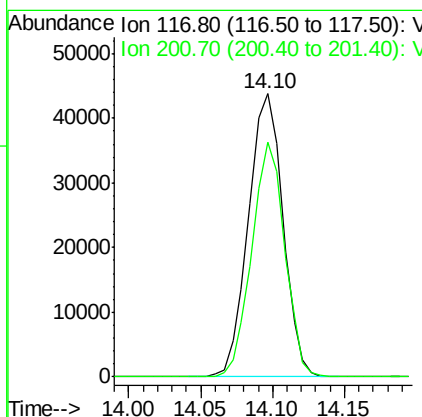
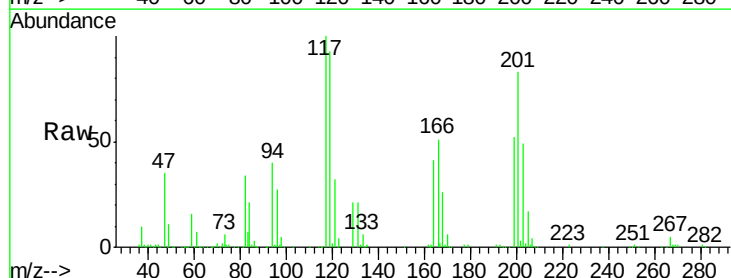
Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

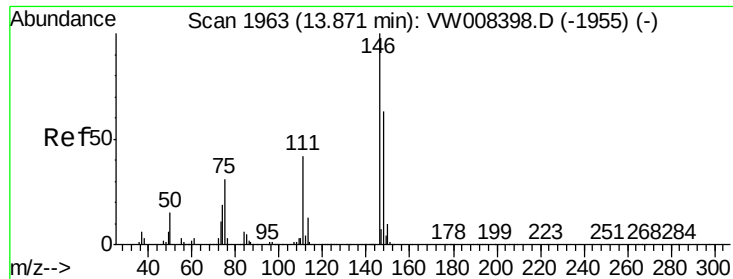
Tot Ion: 91 Resp: 378789
Ion Ratio Lower Upper
91 100
92 54.9 27.4 82.2
134 26.5 13.0 39.0



#90
Hexachloroethane
Concen: 18.902 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion: 117 Resp: 72828
Ion Ratio Lower Upper
117 100
201 78.8 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 21.207 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

Instrument :

MSVOA_W

ClientSampleId :

VW0212SBSD01

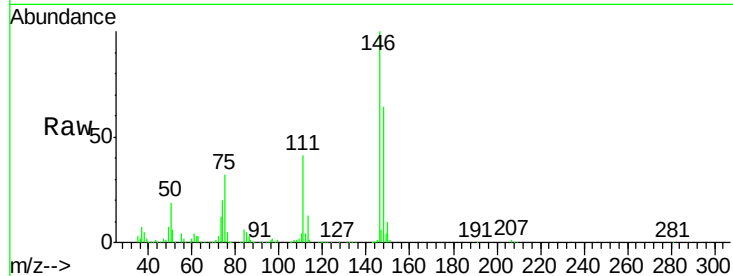
Tot Ion:146 Resp: 175246

Ion Ratio Lower Upper

146 100

111 40.6 21.1 63.3

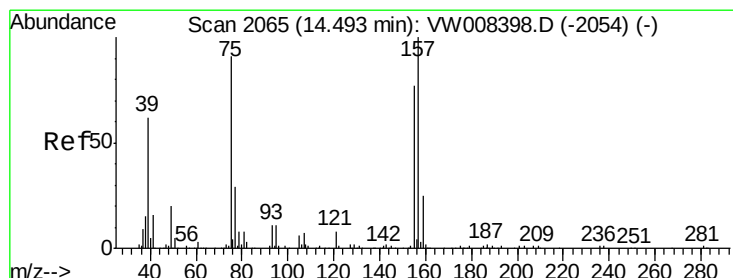
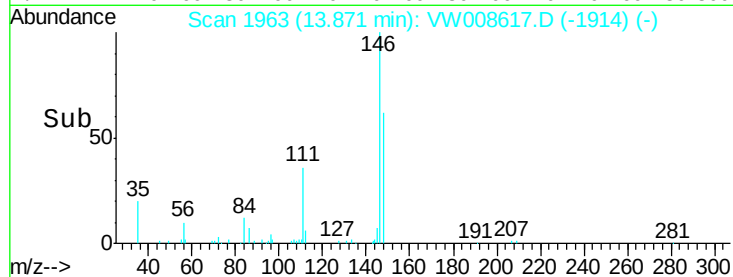
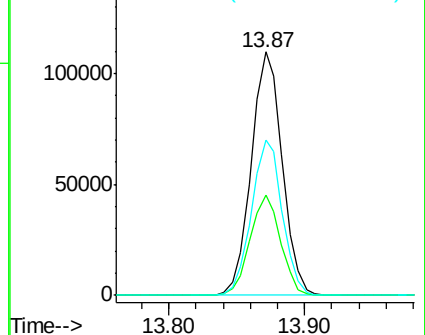
148 63.5 31.9 95.5



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: 21.079 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008617.D

Acq: 12 Feb 2019 12:45

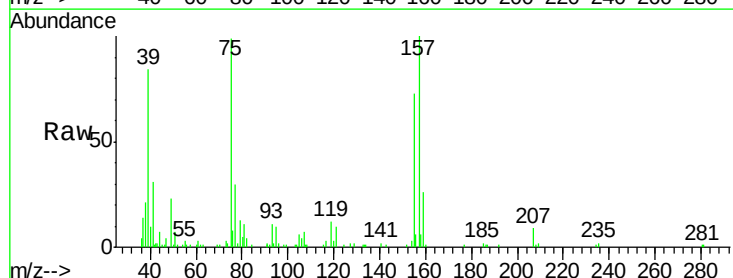
Tgt Ion: 75 Resp: 13408

Ion Ratio Lower Upper

75 100

155 85.5 42.7 128.1

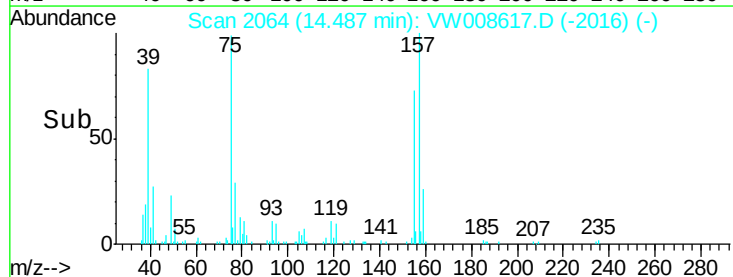
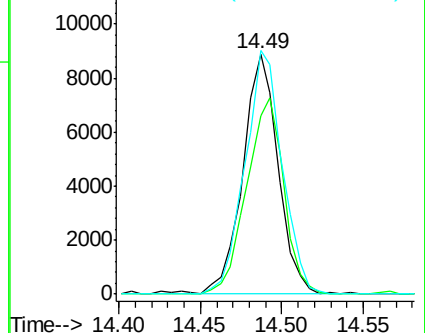
157 107.1 55.5 166.3

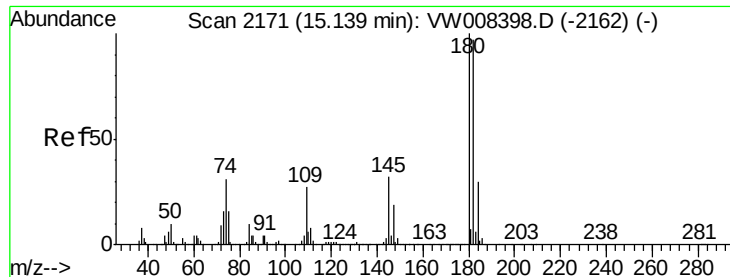


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

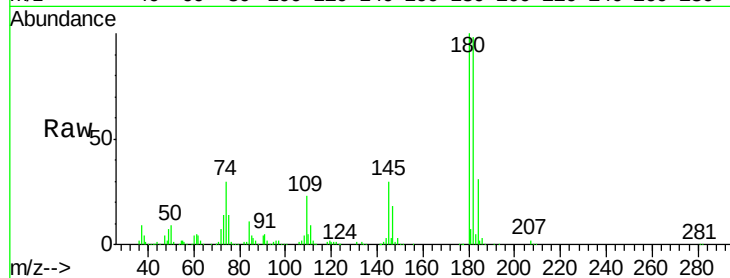




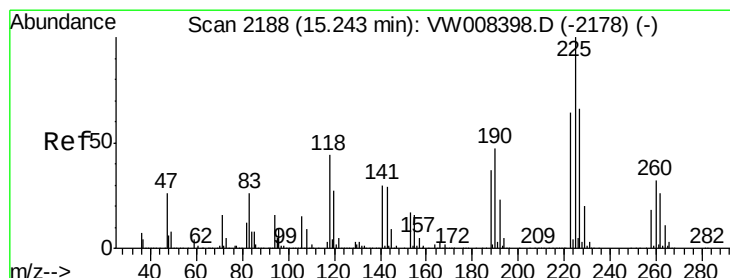
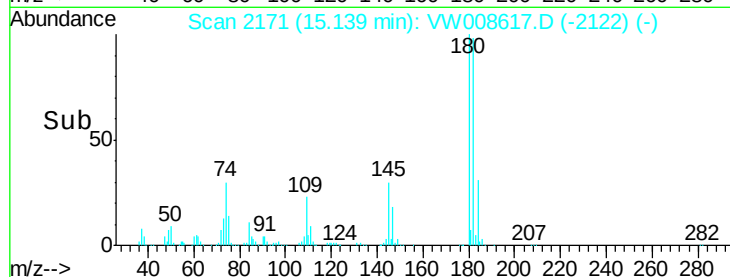
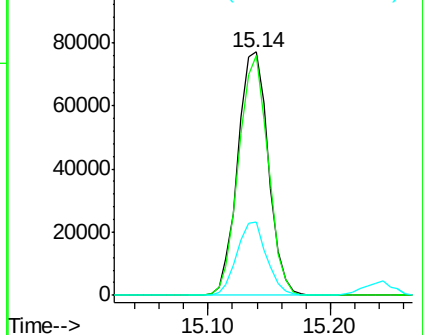
#93
 1,2,4-Trichlorobenzene
 Concen: 22.582 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0212SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.7
145	29.3	15.5	46.5

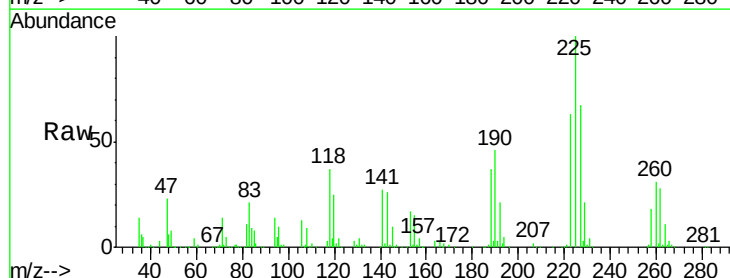


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

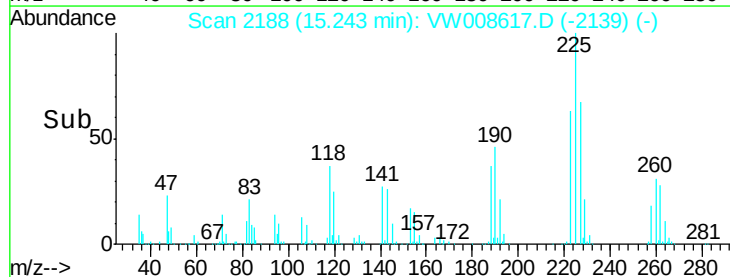
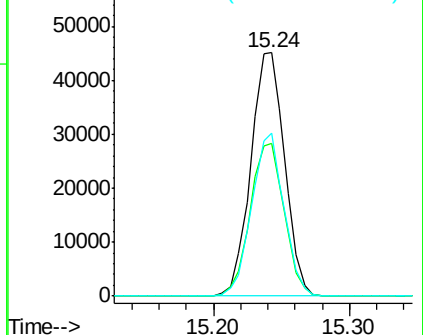


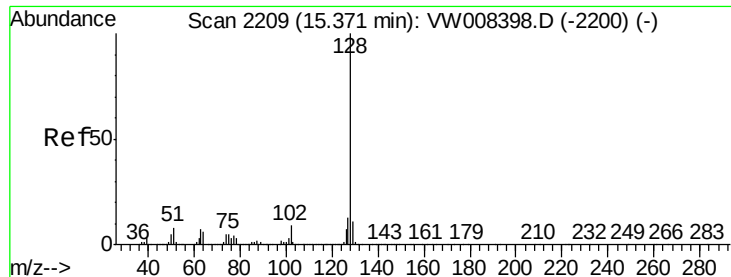
#94
 Hexachlorobutadiene
 Concen: 22.125 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008617.D
 Acq: 12 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.7	95.1
227	63.8	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

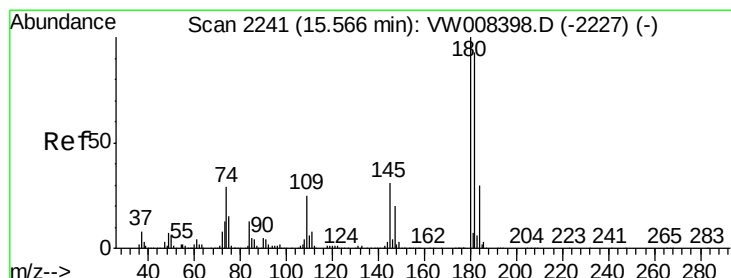
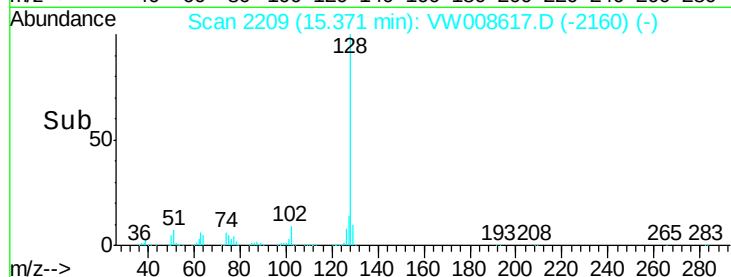
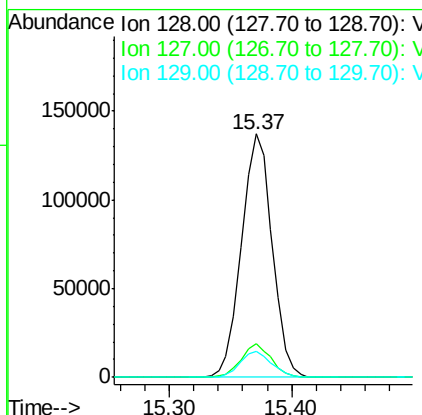
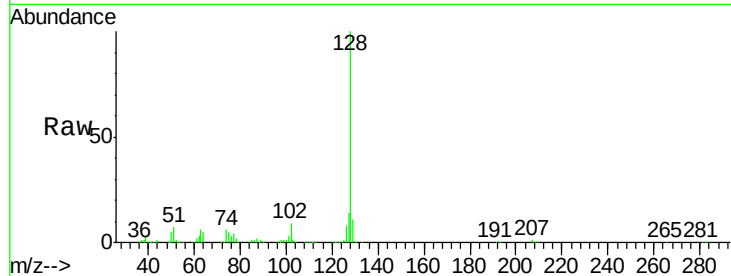




#95
Naphthalene
Concen: 23.037 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Instrument :
MSVOA_W
ClientSampleId :
VW0212SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.703 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008617.D
Acq: 12 Feb 2019 12:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.0	141.2
145	32.2	15.9	47.6

