

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009157.D
 Acq On : 13 Mar 2019 16:00
 Operator : SY/VA
 Sample : VW0313SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:21:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	279370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402648	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	211436	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147453	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.88	113	122978	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.32	98	516055	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.62	95	200822	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	61487	21.839	ug/l	100
3) Chloromethane	2.21	50	76371	21.352	ug/l	97
4) Vinyl Chloride	2.36	62	75826	20.890	ug/l	100
5) Bromomethane	2.76	94	65010	21.218	ug/l	97
6) Chloroethane	2.91	64	53626	20.753	ug/l	99
7) Trichlorofluoromethane	3.26	101	98977	21.178	ug/l	100
8) Diethyl Ether	3.68	74	28536	19.969	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59704	20.511	ug/l	99
10) Methyl Iodide	4.28	142	52178	18.660	ug/l	98
11) Tert butyl alcohol	5.18	59	19379	89.973	ug/l	95
12) 1,1-Dichloroethene	4.04	96	52434	20.883	ug/l	96
13) Acrolein	3.90	56	21501	90.716	ug/l	98
14) Allyl chloride	4.67	41	91421	20.642	ug/l	96
15) Acrylonitrile	5.37	53	65293	104.688	ug/l	99
16) Acetone	4.13	43	66899	105.475	ug/l	98
17) Carbon Disulfide	4.38	76	165846	19.632	ug/l	98
18) Methyl Acetate	4.68	43	30556	20.950	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	140515	21.156	ug/l	100
20) Methylene Chloride	4.92	84	65713	18.618	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	58280	20.103	ug/l	96
22) Diisopropyl ether	6.31	45	189834	21.569	ug/l	96
23) Vinyl Acetate	6.26	43	594380	108.522	ug/l	100
24) 1,1-Dichloroethane	6.22	63	106971	20.954	ug/l	99
25) 2-Butanone	7.18	43	92697	105.750	ug/l	99
26) 2,2-Dichloropropane	7.17	77	97321	20.973	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	65320	20.979	ug/l	99
28) Bromochloromethane	7.51	49	46944	22.108	ug/l	93
29) Tetrahydrofuran	7.53	42	55657	100.756	ug/l	99
30) Chloroform	7.68	83	109857	20.902	ug/l	99
31) Cyclohexane	7.96	56	109707	20.929	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	102651	21.163	ug/l	98
36) 1,1-Dichloropropene	8.08	75	89903	21.354	ug/l	99
37) Ethyl Acetate	7.26	43	41185	20.826	ug/l	98
38) Carbon Tetrachloride	8.07	117	92885	21.363	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009157.D
 Acq On : 13 Mar 2019 16:00
 Operator : SY/VA
 Sample : VW0313BSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:21:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	100565	20.054	ug/l	94
40) Benzene	8.32	78	235752	20.977	ug/l	99
41) Methacrylonitrile	7.48	41	21020	19.141	ug/l	98
42) 1,2-Dichloroethane	8.40	62	77127	21.257	ug/l	100
43) Isopropyl Acetate	8.43	43	76916	20.883	ug/l	99
44) Trichloroethene	9.09	130	65470	20.784	ug/l	96
45) 1,2-Dichloropropane	9.37	63	59712	21.213	ug/l	99
46) Dibromomethane	9.46	93	32120	20.894	ug/l	97
47) Bromodichloromethane	9.65	83	81853	21.034	ug/l	95
48) Methyl methacrylate	9.43	41	35090	20.461	ug/l	93
49) 1,4-Dioxane	9.46	88	8176	371.406	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	201348	107.683	ug/l	99
52) Toluene	10.39	92	156648	20.552	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	81583	21.197	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94508	21.368	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43802	21.022	ug/l	98
56) Ethyl methacrylate	10.65	69	53501	20.689	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78438	21.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	144049	107.453	ug/l	98
59) 2-Hexanone	10.97	43	142337	108.271	ug/l	97
60) Dibromochloromethane	11.13	129	53375	20.699	ug/l	100
61) 1,2-Dibromoethane	11.23	107	41126	20.134	ug/l	97
64) Tetrachloroethene	10.87	164	57539	20.521	ug/l	93
65) Chlorobenzene	11.66	112	171934	20.317	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	60179	21.297	ug/l	98
67) Ethyl Benzene	11.73	91	314572	20.576	ug/l	100
68) m/p-Xylenes	11.84	106	246347	40.823	ug/l	100
69) o-Xylene	12.16	106	116010	20.661	ug/l	97
70) Styrene	12.18	104	186233	20.500	ug/l	99
71) Bromoform	12.35	173	30759	20.273	ug/l #	100
73) Isopropylbenzene	12.46	105	317137	20.945	ug/l	100
74) N-amyl acetate	12.27	43	76387	21.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	51758	21.671	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	69850	41.813	ug/l #	1
77) Bromobenzene	12.75	156	71657	20.713	ug/l	98
78) n-propylbenzene	12.80	91	393158	21.081	ug/l	99
79) 2-Chlorotoluene	12.90	91	222179	21.203	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	268246	20.553	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16113	21.574	ug/l	96
82) 4-Chlorotoluene	12.99	91	234002	20.950	ug/l	100
83) tert-Butylbenzene	13.21	119	230277	20.920	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	274463	20.788	ug/l	100
85) sec-Butylbenzene	13.38	105	338772	20.772	ug/l	99
86) p-Isopropyltoluene	13.50	119	301235	20.647	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	151882	20.890	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	150342	20.924	ug/l	99
89) n-Butylbenzene	13.83	91	286162	20.632	ug/l	99
90) Hexachloroethane	14.10	117	51643	20.524	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	132936	20.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8789	20.661	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
Data File : VW009157.D
Acq On : 13 Mar 2019 16:00
Operator : SY/VA
Sample : VW0313SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Mar 14 05:21:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

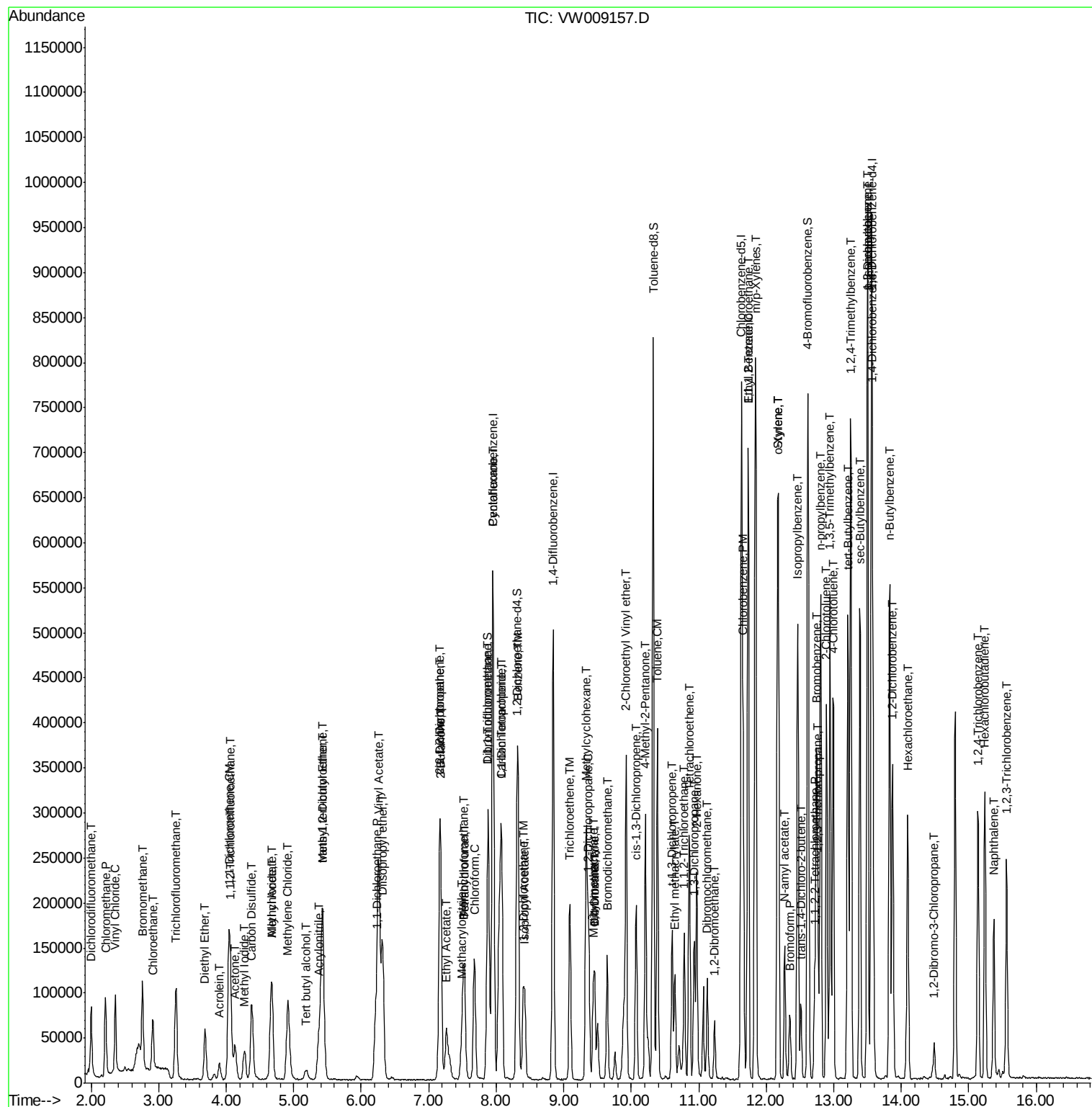
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	89869	20.745	ug/l	96
94) Hexachlorobutadiene	15.24	225	57581	21.220	ug/l	98
95) Naphthalene	15.37	128	144427	20.366	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76436	20.065	ug/l	100

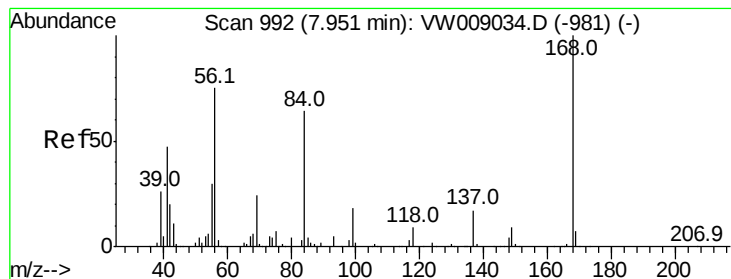
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031319\
Data File : VW009157.D
Acq On : 13 Mar 2019 16:00
Operator : SY/VA
Sample : VW0313SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Mar 14 05:21:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

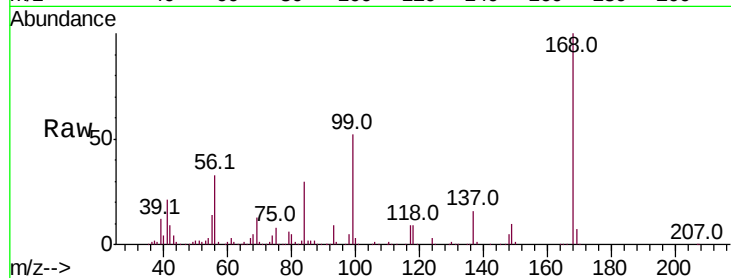
ClientSampleId :

Tot Ion:168 Resp: 279370

Ion Ratio Lower Upper

168 100

99 51.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

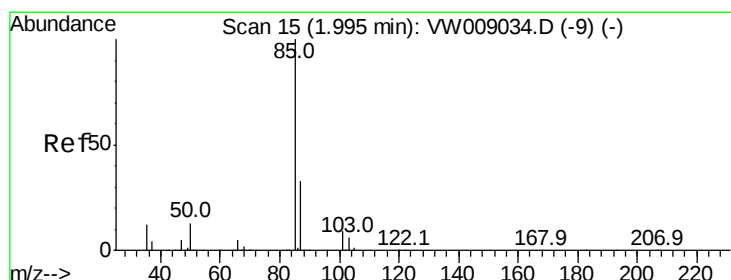
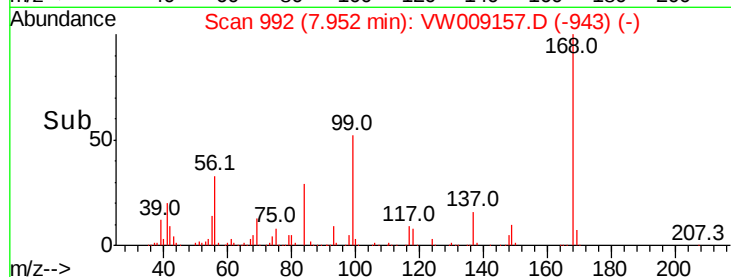
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.839 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009157.D

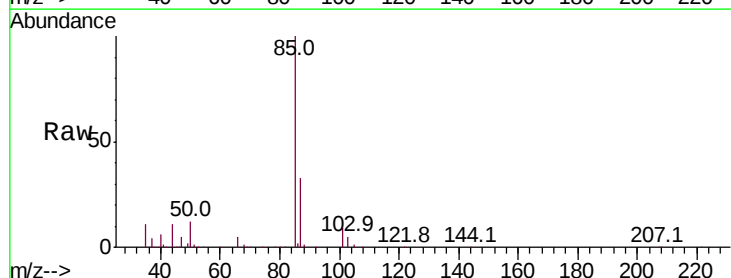
Acq: 13 Mar 2019 16:00

Tgt Ion: 85 Resp: 61487

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

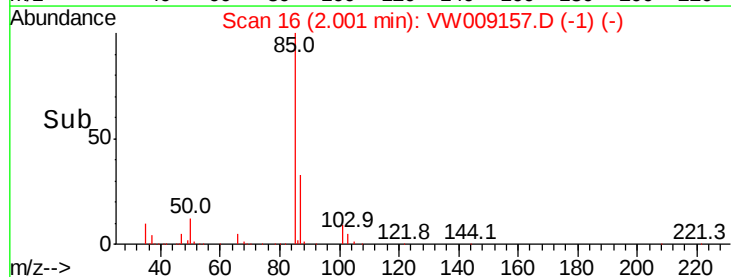
20000

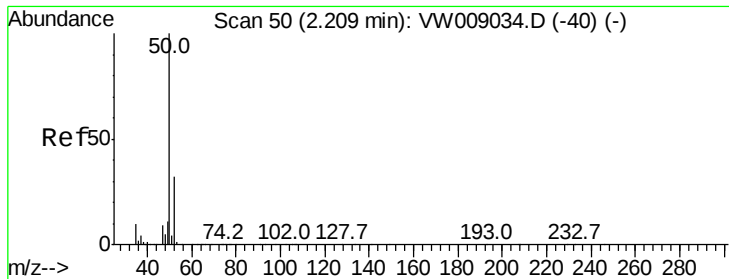
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.352 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

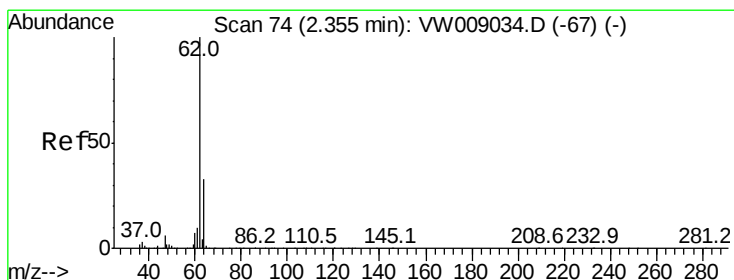
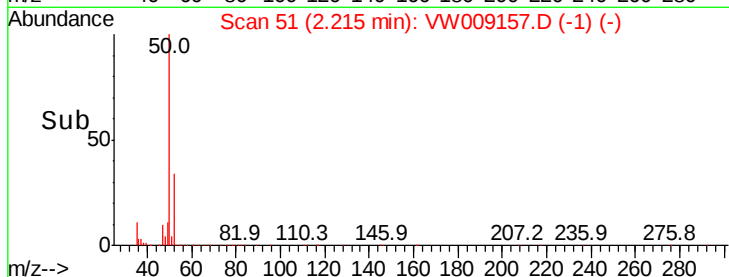
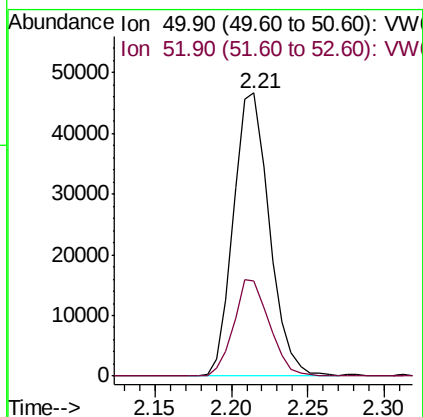
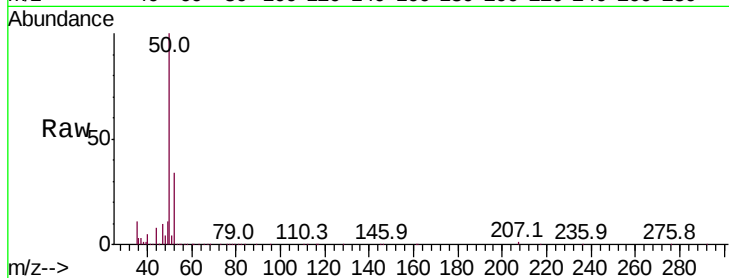
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 76371

Ion Ratio Lower Upper

50 100

52 33.7 25.4 38.2



#4

Vinyl Chloride

Concen: 20.890 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009157.D

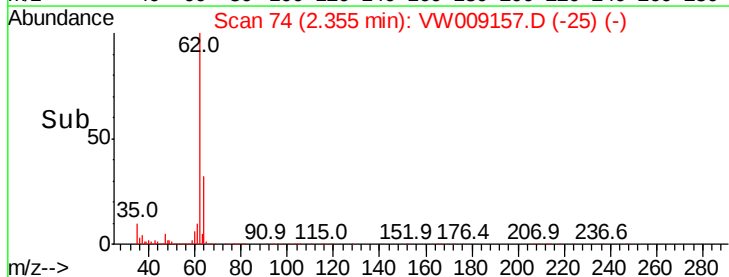
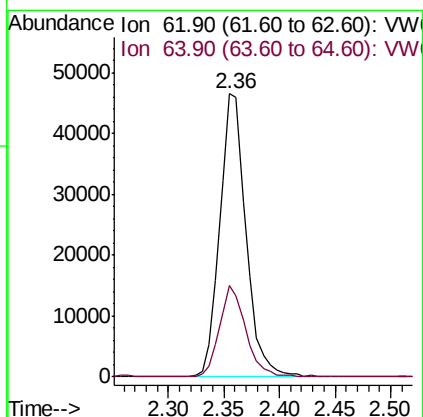
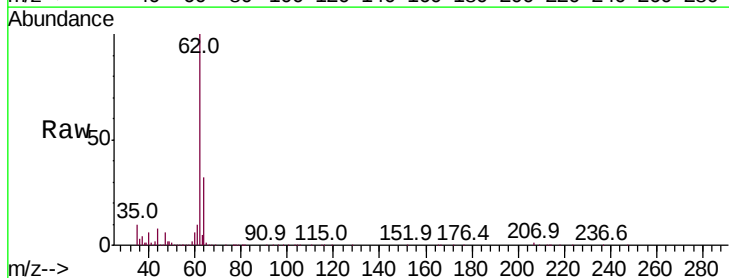
Acq: 13 Mar 2019 16:00

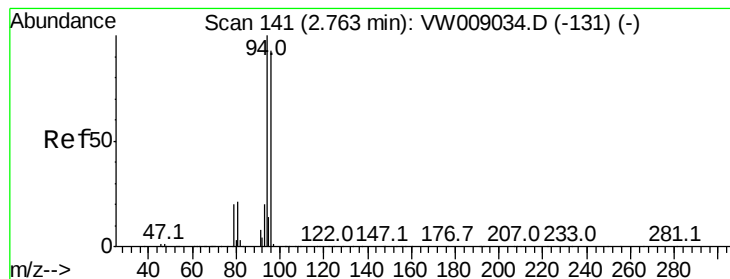
Tgt Ion: 62 Resp: 75826

Ion Ratio Lower Upper

62 100

64 32.2 26.0 39.0





#5

Bromomethane

Concen: 21.218 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

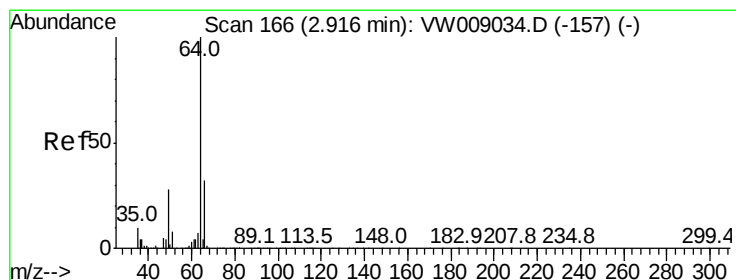
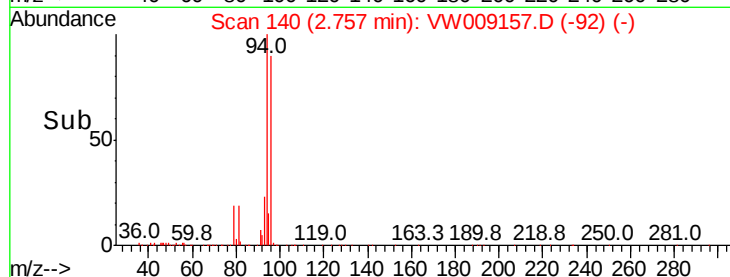
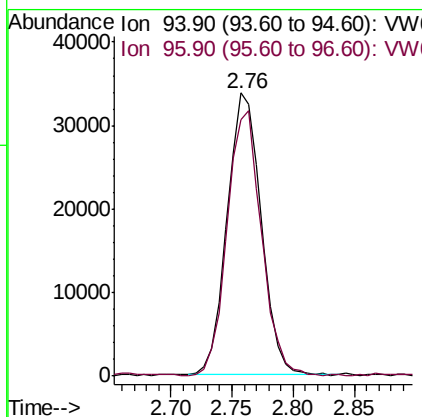
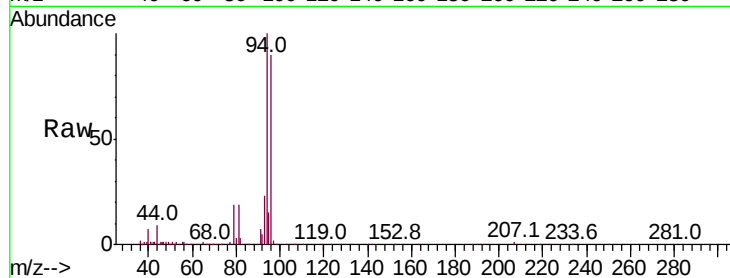
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 65010

Ion Ratio Lower Upper

94 100

96 90.5 74.4 111.6



#6

Chloroethane

Concen: 20.753 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009157.D

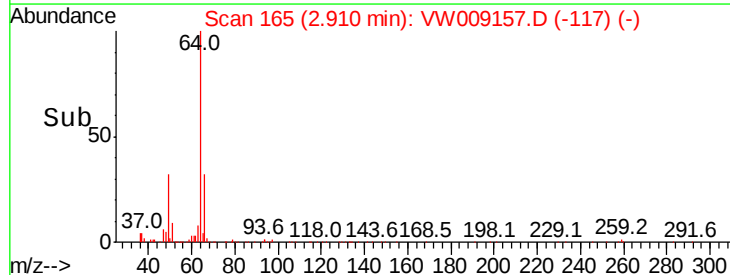
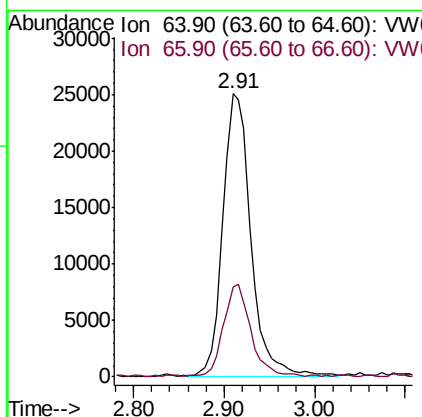
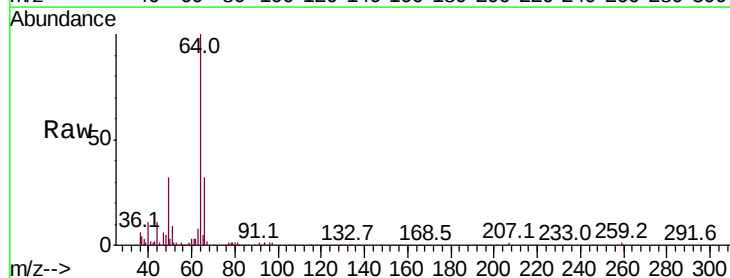
Acq: 13 Mar 2019 16:00

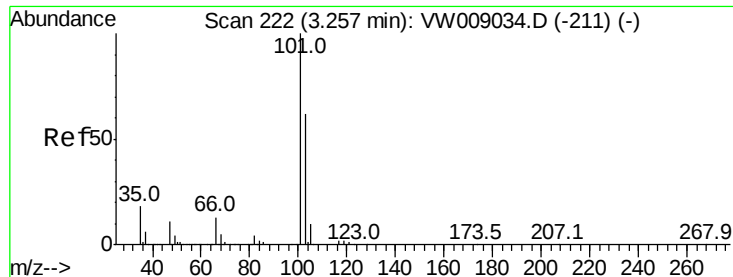
Tgt Ion: 64 Resp: 53626

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3



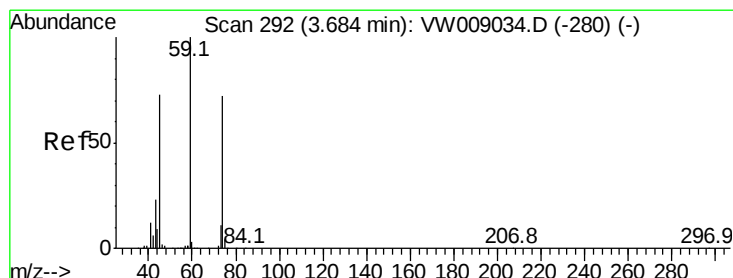
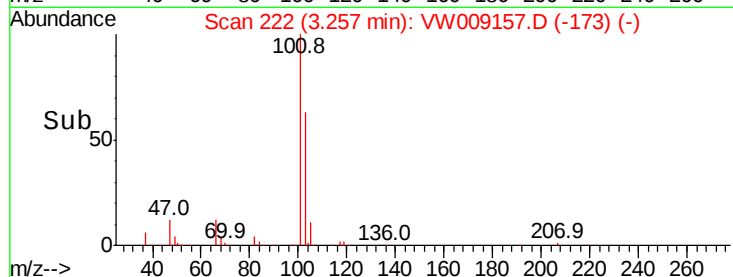
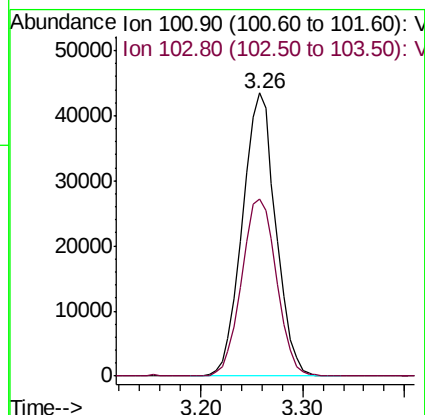
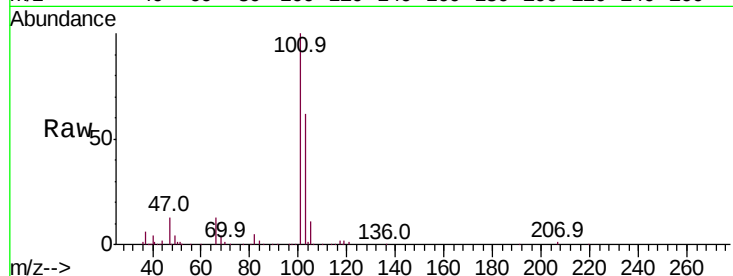


#7

Trichlorofluoromethane
Concen: 21.178 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :

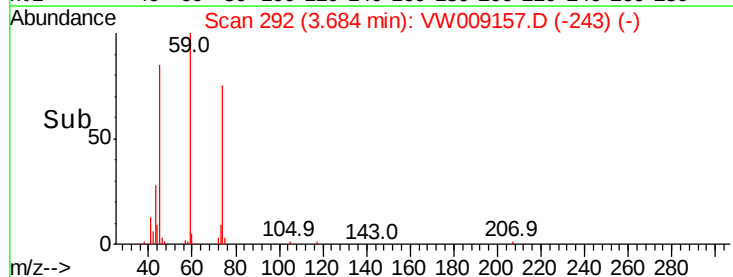
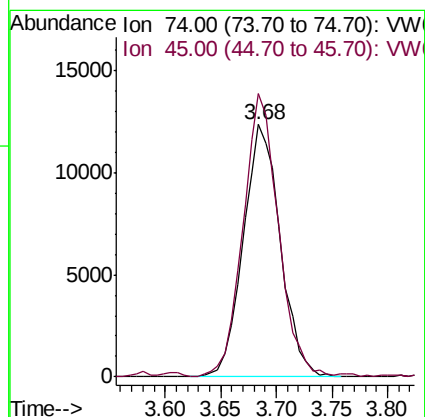
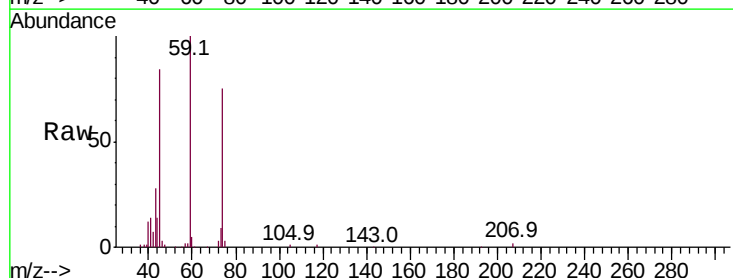
Tot Ion:101 Resp: 98977
Ion Ratio Lower Upper
101 100
103 62.4 49.9 74.9

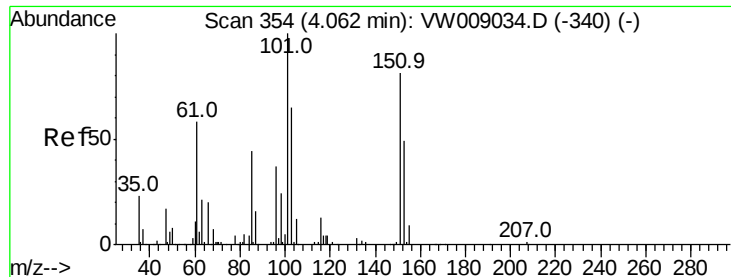


#8

Diethyl Ether
Concen: 19.969 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 74 Resp: 28536
Ion Ratio Lower Upper
74 100
45 108.0 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.511 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampled :

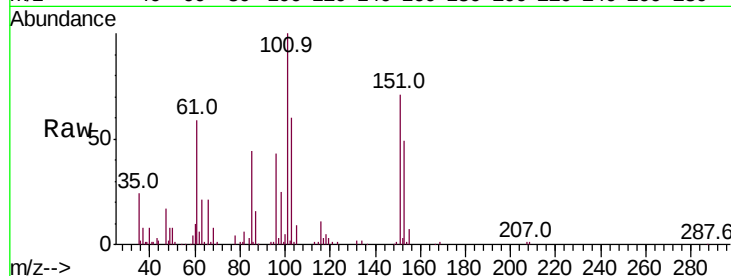
Tot Ion:101 Resp: 59704

Ion Ratio Lower Upper

101 100

85 46.1 36.2 54.4

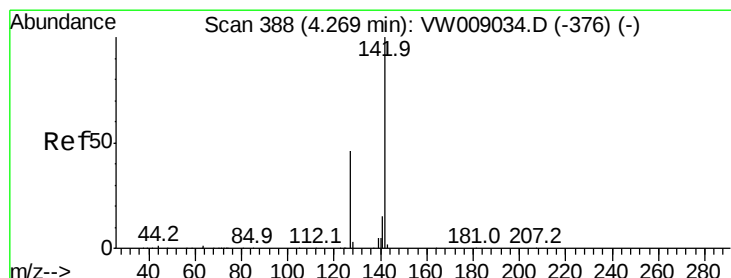
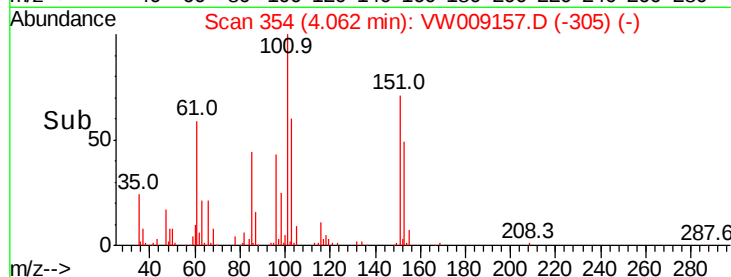
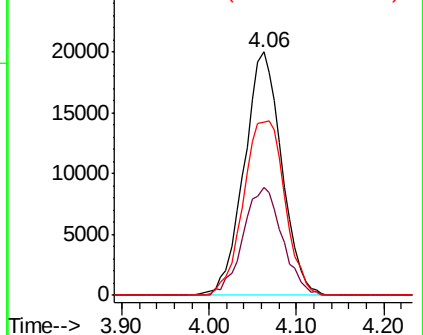
151 79.0 63.4 95.2



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: 18.660 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

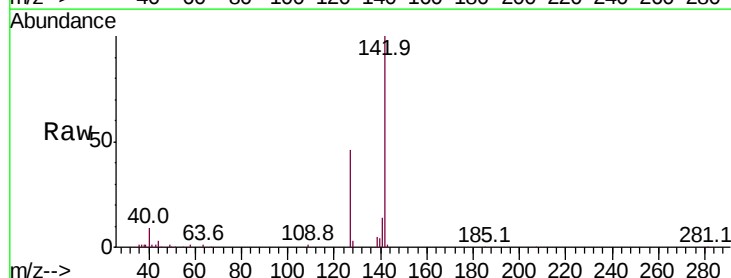
Tgt Ion:142 Resp: 52178

Ion Ratio Lower Upper

142 100

127 45.9 35.8 53.6

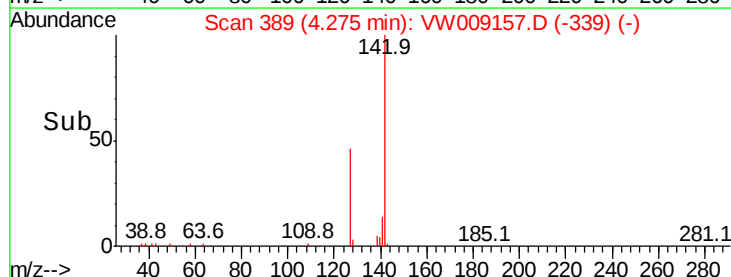
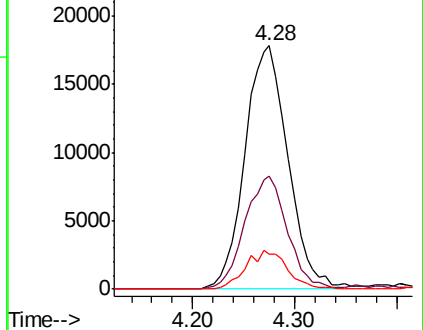
141 15.3 11.8 17.8

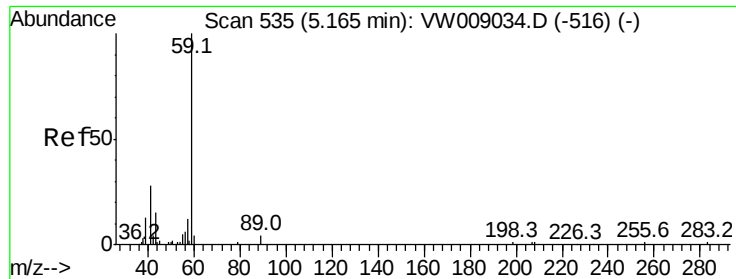


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



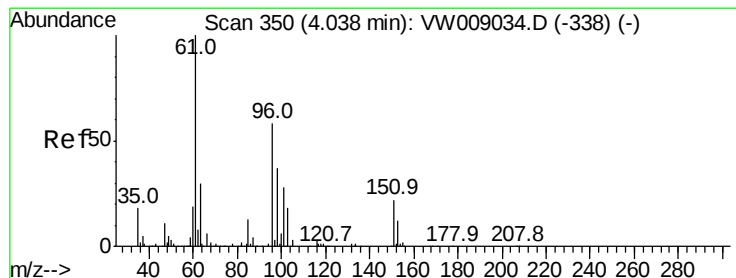
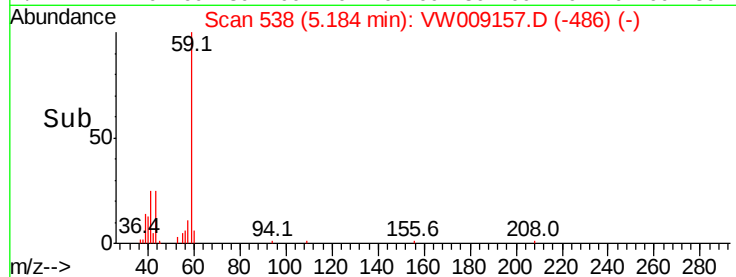
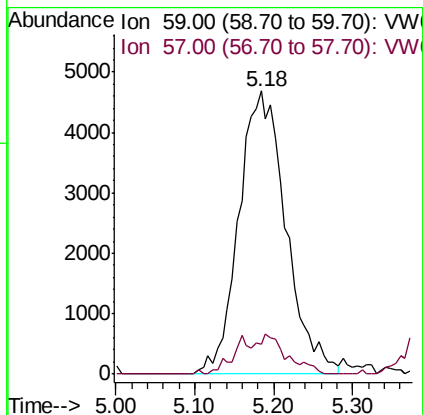
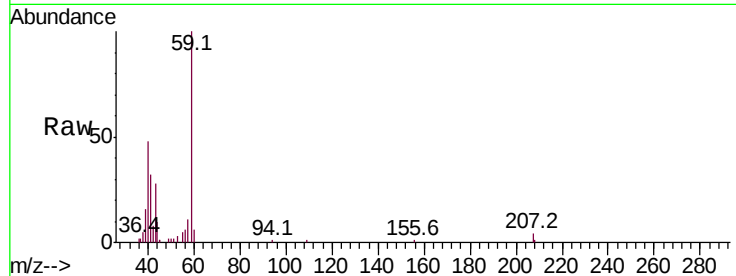


#11

Tert butyl alcohol
 Concen: 89.973 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampled :

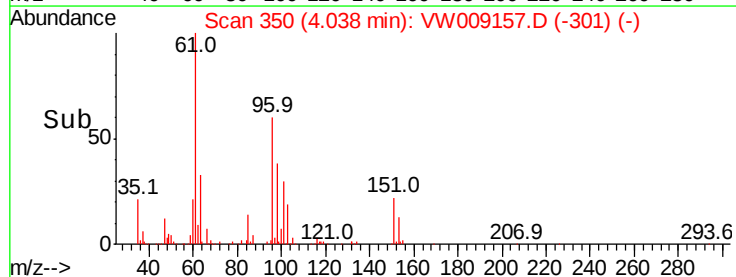
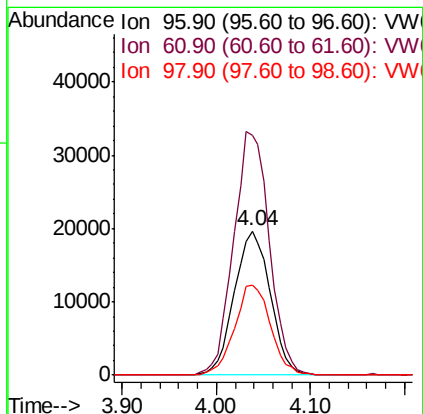
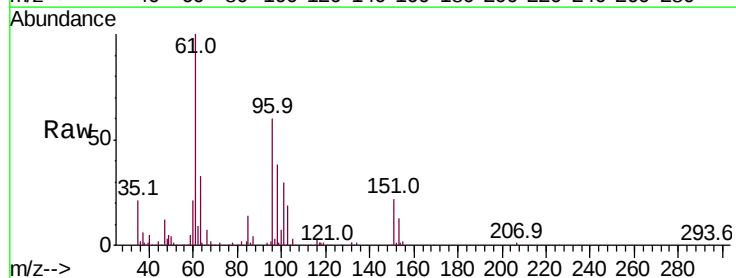
Tot Ion: 59 Resp: 19379
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.6 12.8

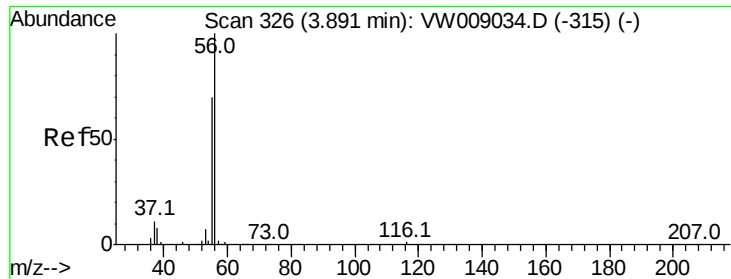


#12

1,1-Dichloroethene
 Concen: 20.883 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion: 96 Resp: 52434
 Ion Ratio Lower Upper
 96 100
 61 166.3 138.2 207.2
 98 62.6 51.3 76.9





#13

Acrolein

Concen: 90.716 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

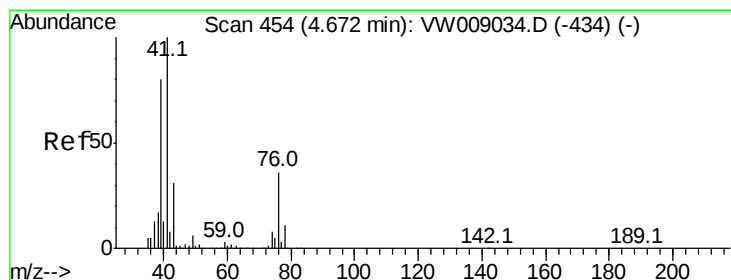
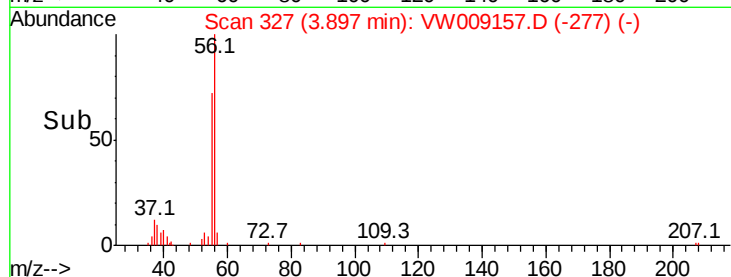
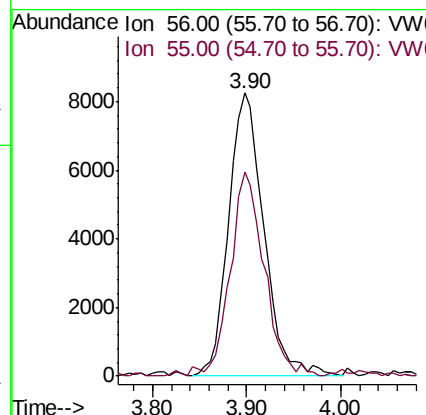
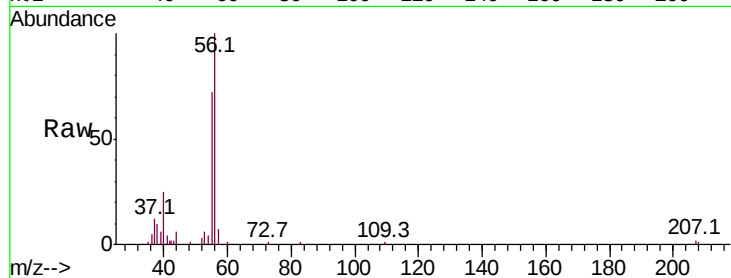
ClientSampleId :

Tot Ion: 56 Resp: 21501

Ion Ratio Lower Upper

56 100

55 69.4 56.6 84.8



#14

Allyl chloride

Concen: 20.642 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

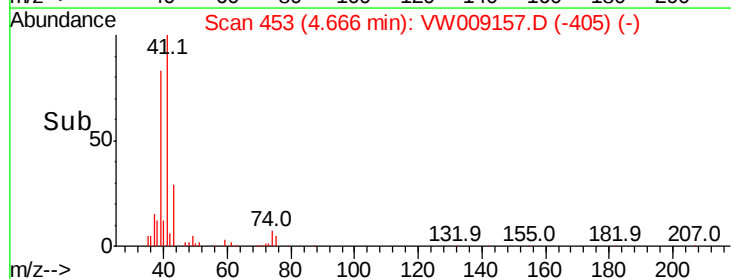
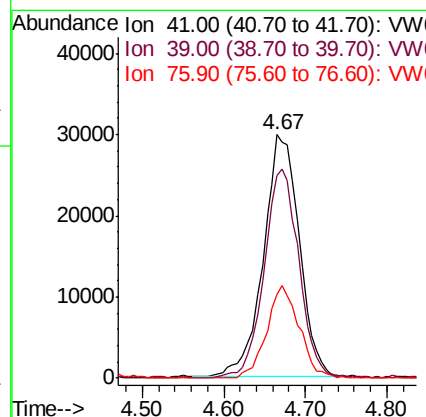
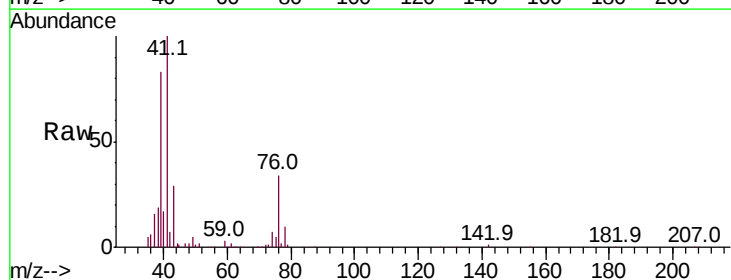
Tgt Ion: 41 Resp: 91421

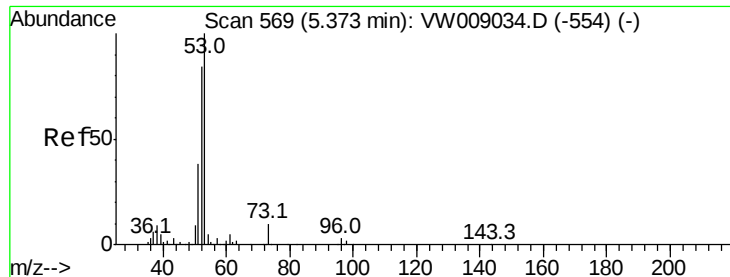
Ion Ratio Lower Upper

41 100

39 83.5 63.0 94.4

76 34.4 28.2 42.2





#15

Acrylonitrile

Concen: 104.688 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampled :

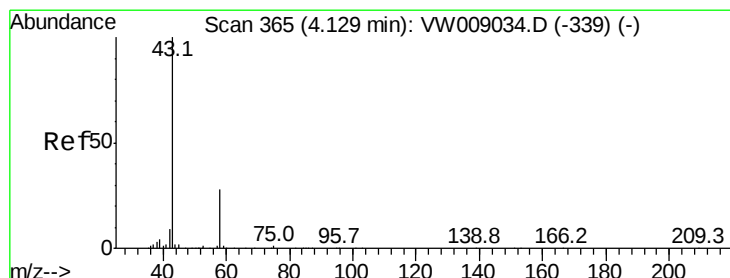
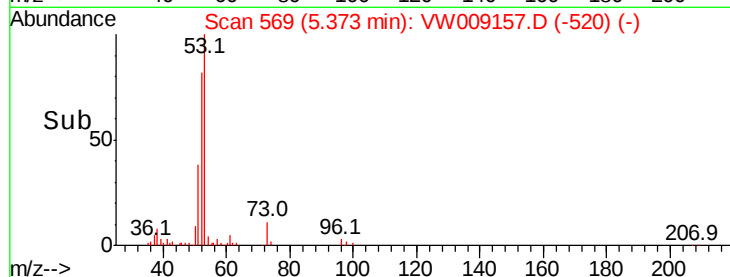
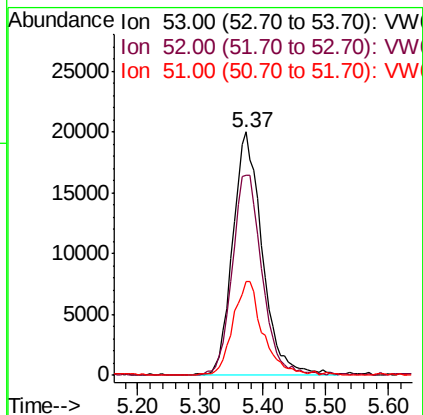
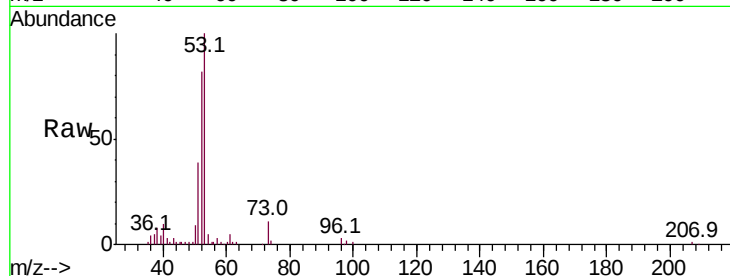
Tot Ion: 53 Resp: 65293

Ion Ratio Lower Upper

53 100

52 83.1 67.2 100.8

51 38.9 31.8 47.6



#16

Acetone

Concen: 105.475 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009157.D

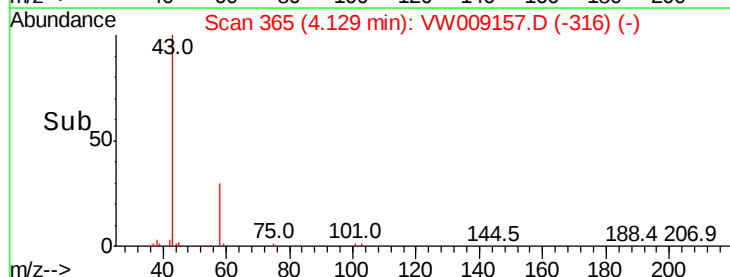
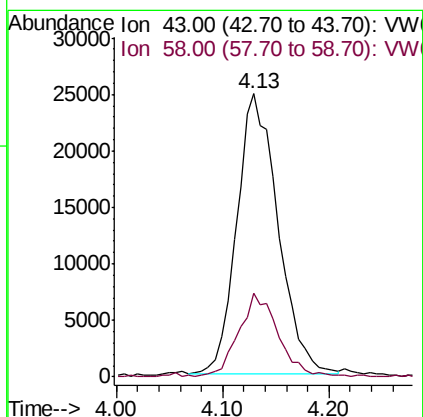
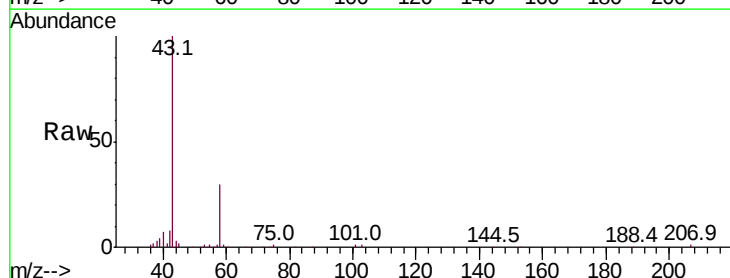
Acq: 13 Mar 2019 16:00

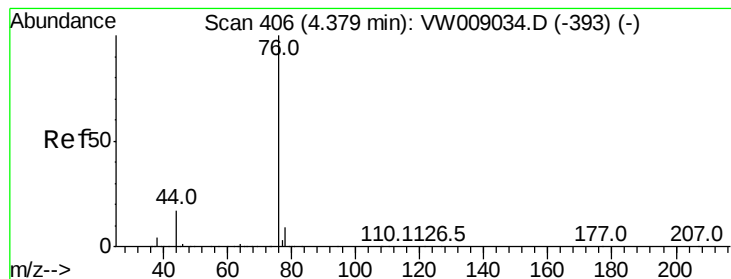
Tgt Ion: 43 Resp: 66899

Ion Ratio Lower Upper

43 100

58 29.4 22.5 33.7





#17

Carbon Disulfide

Concen: 19.632 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

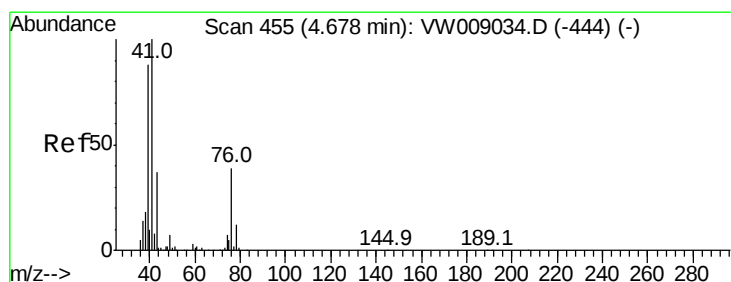
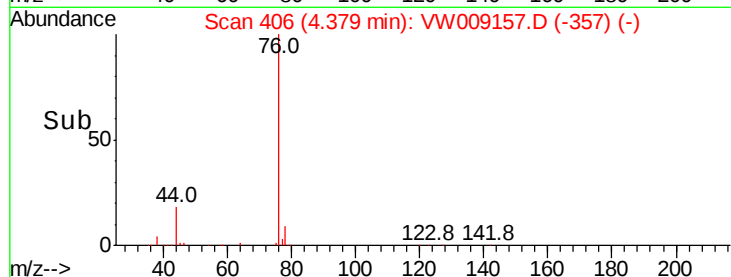
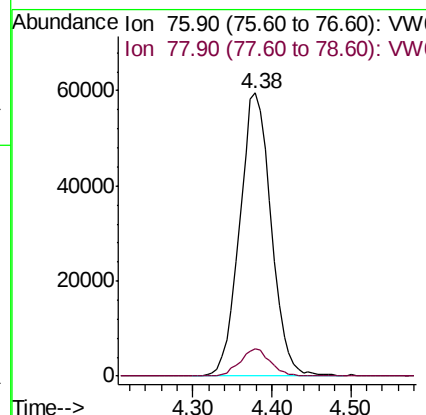
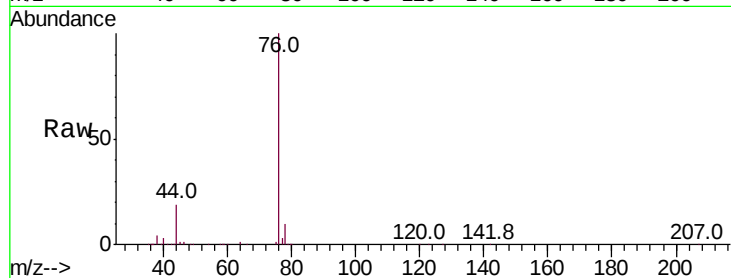
ClientSampleId :

Tot Ion: 76 Resp: 165846

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.6



#18

Methyl Acetate

Concen: 20.950 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW009157.D

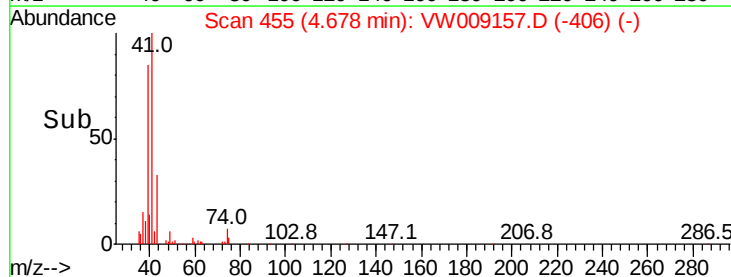
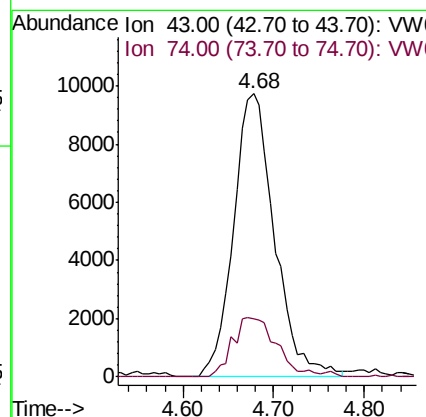
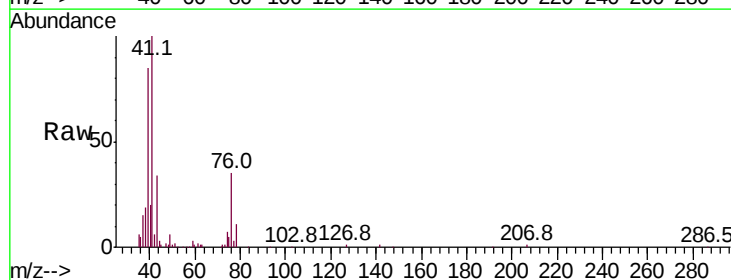
Acq: 13 Mar 2019 16:00

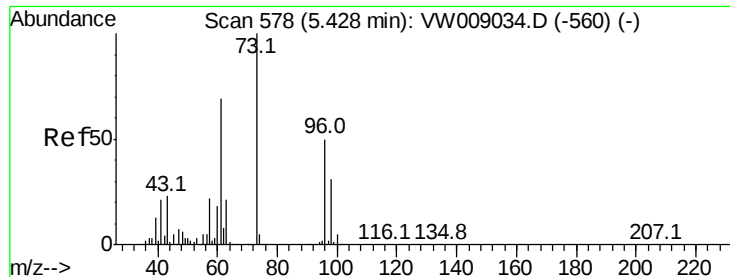
Tgt Ion: 43 Resp: 30556

Ion Ratio Lower Upper

43 100

74 22.4 17.6 26.4



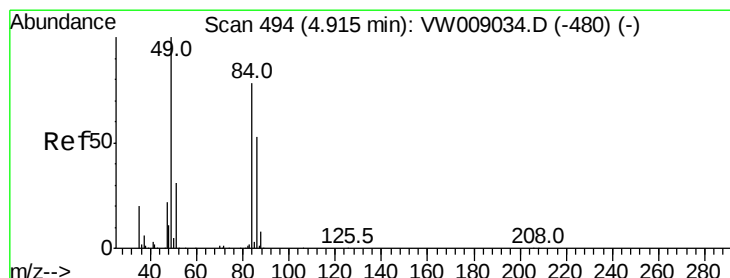
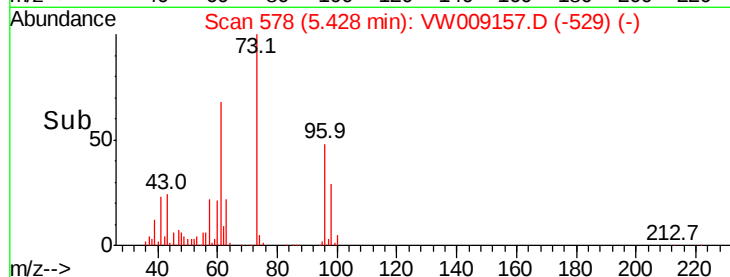
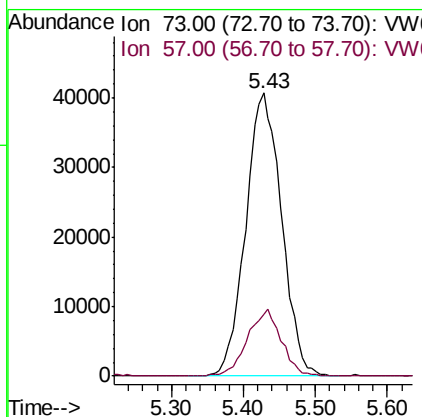
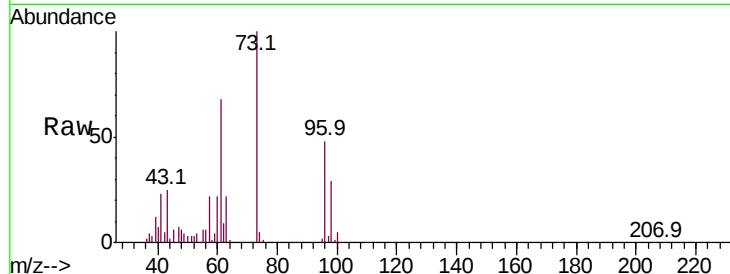


#19

Methyl tert-butyl Ether
 Concen: 21.156 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampled :

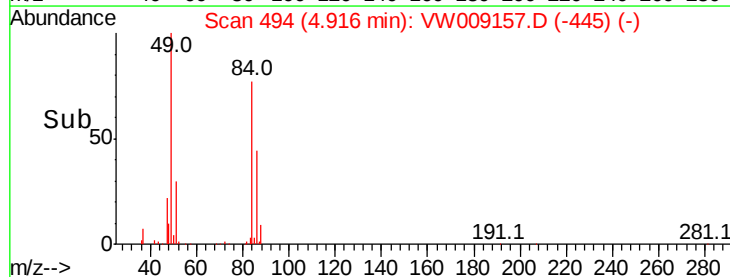
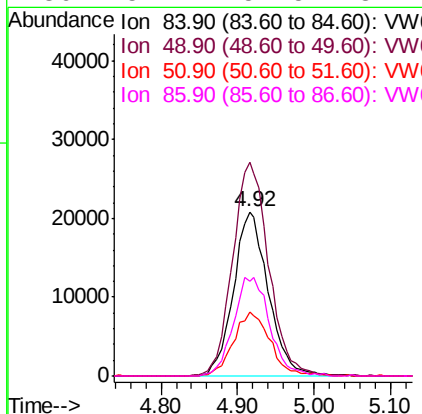
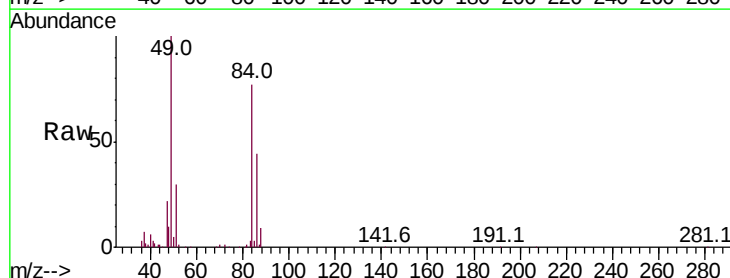
Tot Ion: 73 Resp: 140515
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.3 25.9

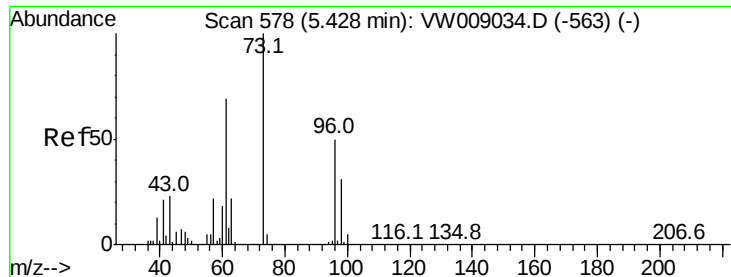


#20

Methylene Chloride
 Concen: 18.618 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion: 84 Resp: 65713
 Ion Ratio Lower Upper
 84 100
 49 130.3 102.4 153.6
 51 39.3 31.6 47.4
 86 57.7 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.103 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :

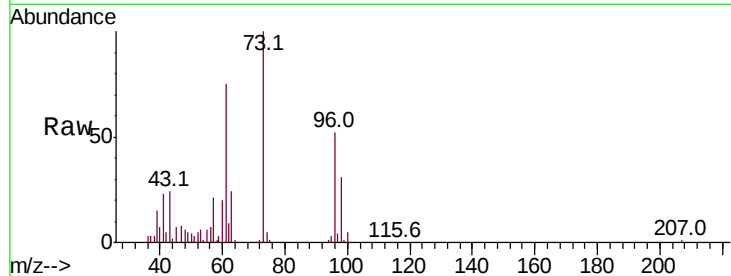
Tot Ion: 96 Resp: 58280

Ion Ratio Lower Upper

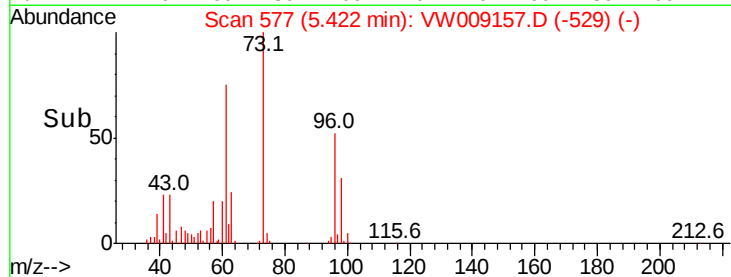
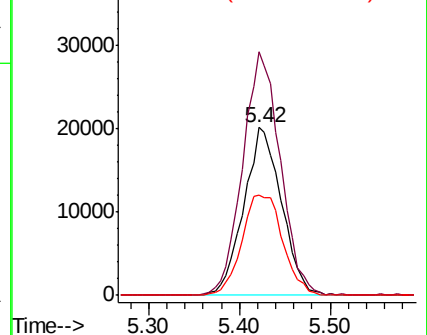
96 100

61 144.7 111.0 166.6

98 59.5 49.4 74.0



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



#22

Diisopropyl ether

Concen: 21.569 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion: 45 Resp: 189834

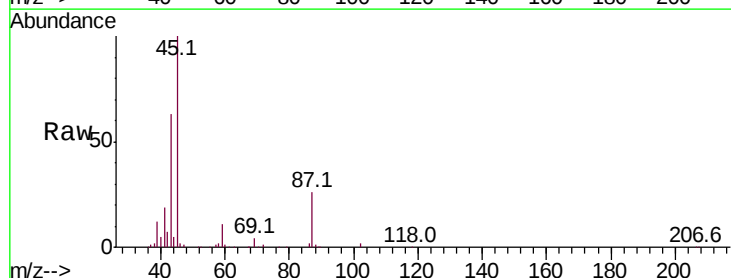
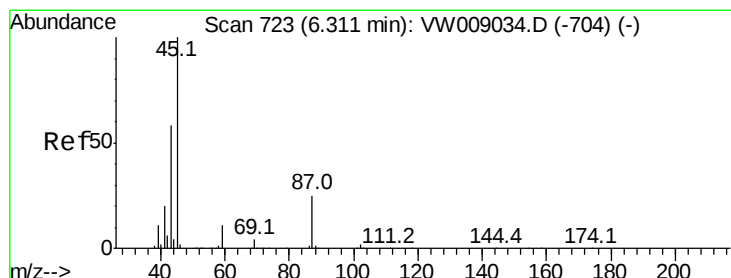
Ion Ratio Lower Upper

45 100

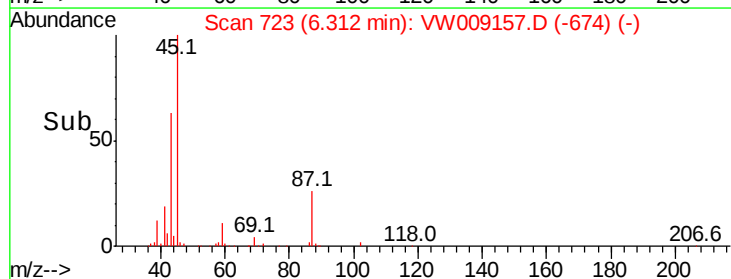
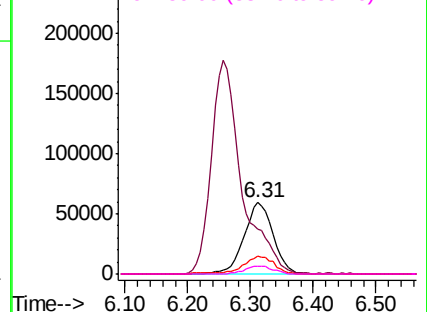
43 61.6 46.2 69.4

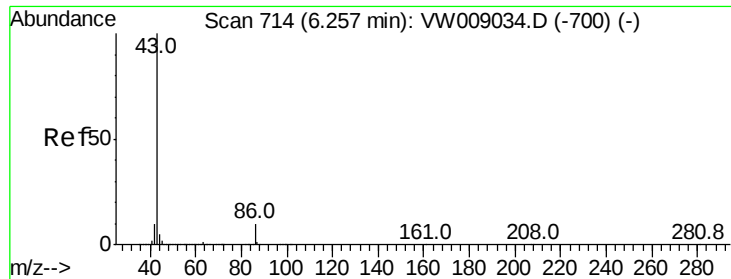
87 25.4 20.1 30.1

59 11.0 8.4 12.6



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

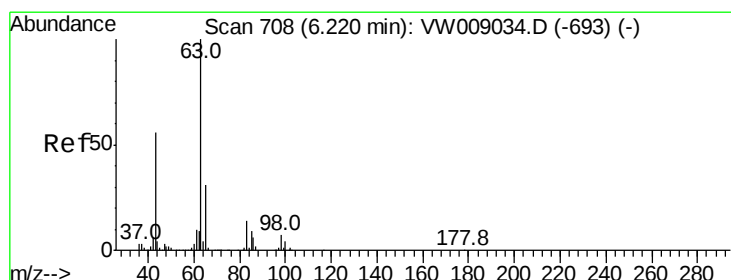
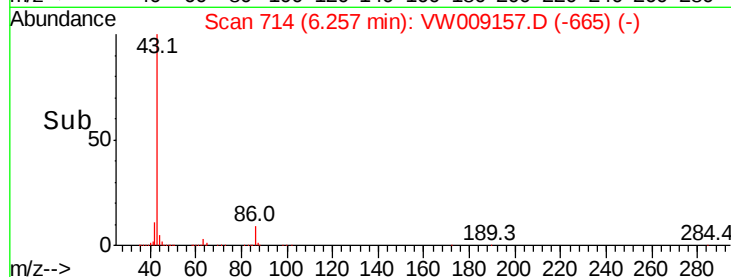
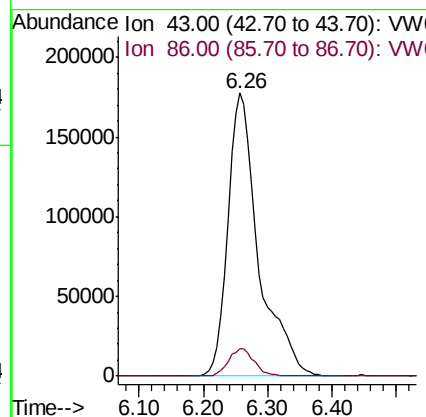
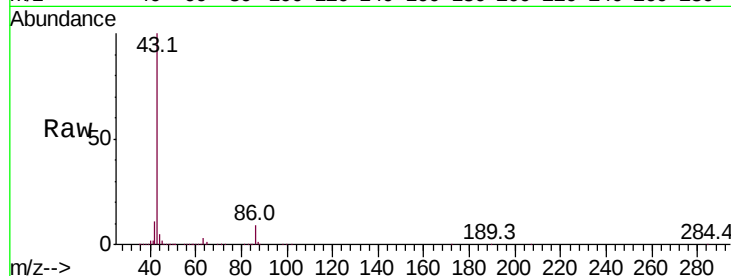




#23
 Vinyl Acetate
 Concen: 108.522 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

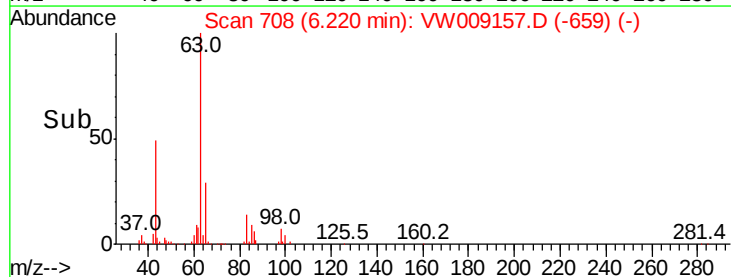
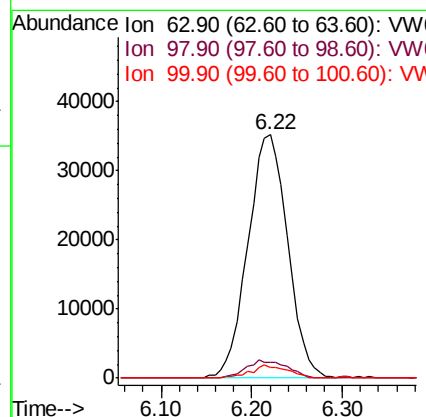
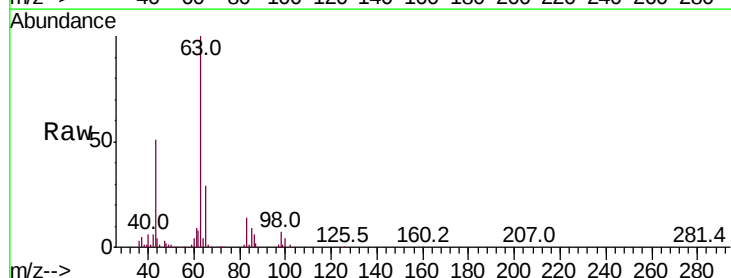
Instrument :
 MSVOA_W
 ClientSampleId :

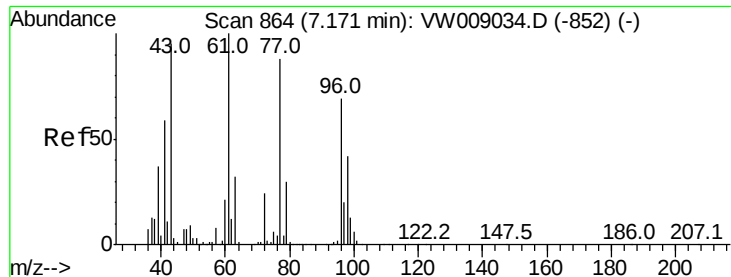
Tot Ion: 43 Resp: 594380
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 20.954 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion: 63 Resp: 106971
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 4.3 2.1 6.2





#25

2-Butanone

Concen: 105.750 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

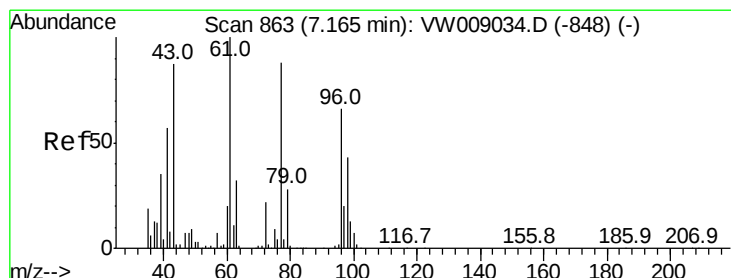
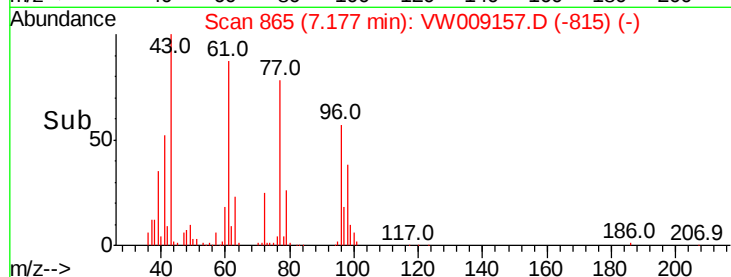
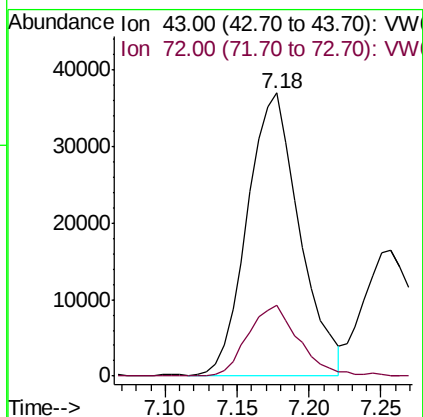
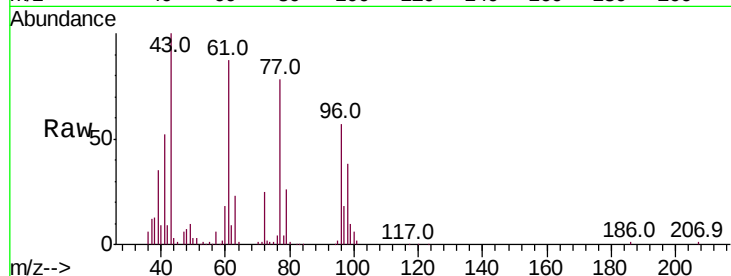
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 92697

Ion Ratio Lower Upper

43 100

72 25.4 20.0 30.0



#26

2,2-Dichloropropane

Concen: 20.973 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009157.D

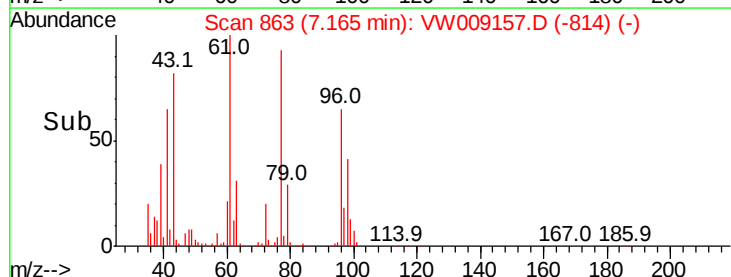
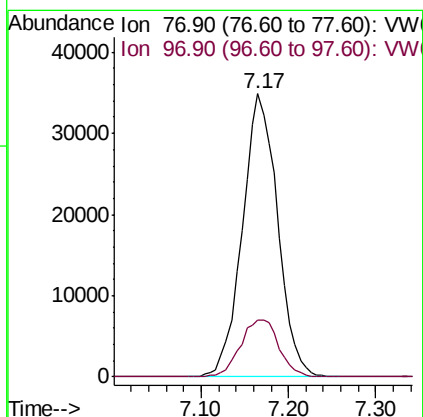
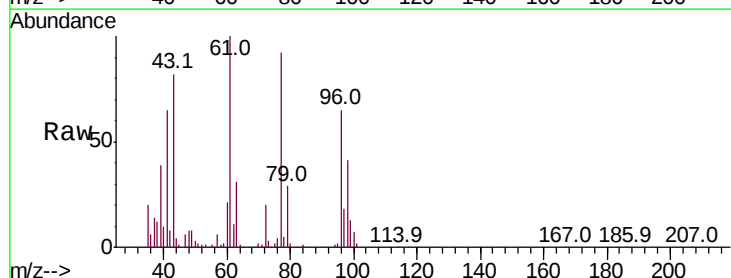
Acq: 13 Mar 2019 16:00

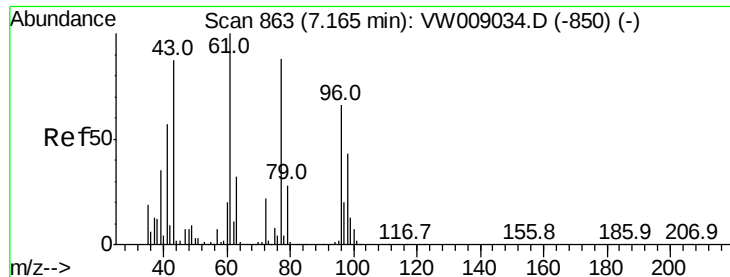
Tgt Ion: 77 Resp: 97321

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.9



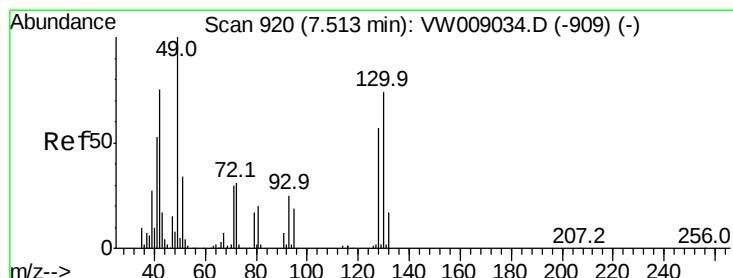
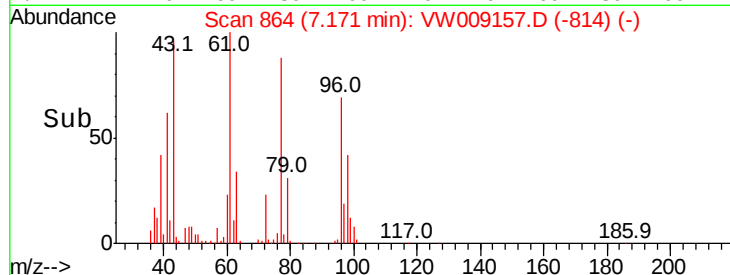
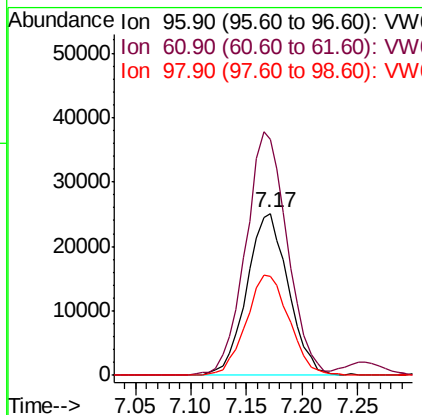
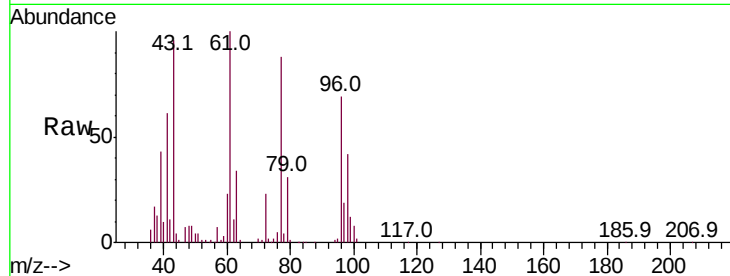


#27

cis-1,2-Dichloroethene
Concen: 20.979 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :

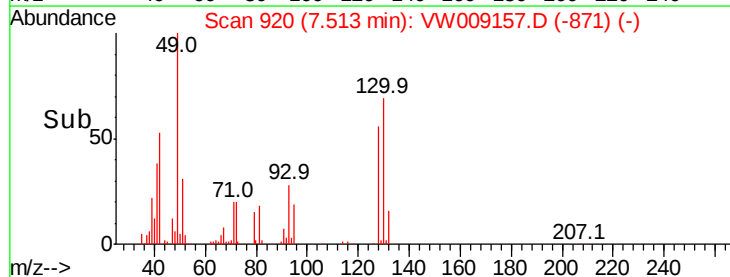
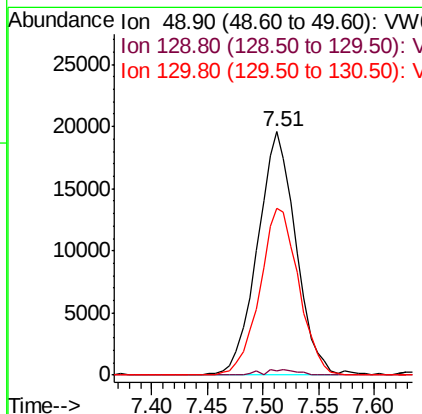
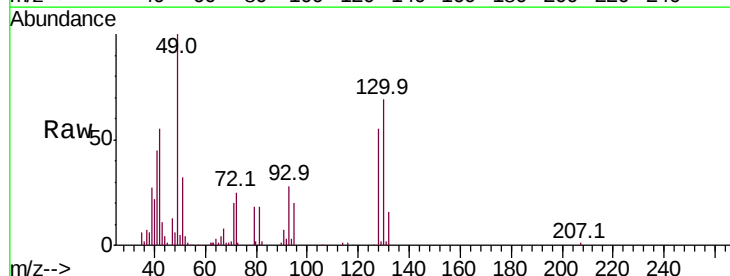
Tot Ion: 96 Resp: 65320
Ion Ratio Lower Upper
96 100
61 151.1 0.0 299.8
98 63.9 0.0 127.2

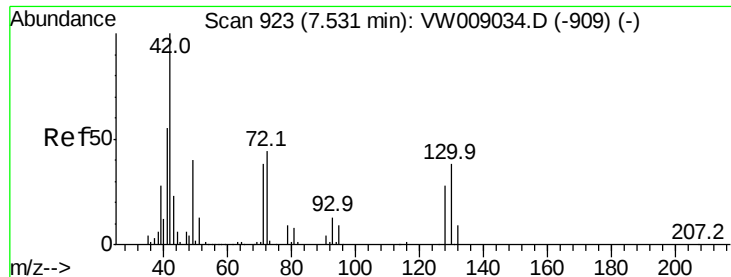


#28

Bromochloromethane
Concen: 22.108 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 49 Resp: 46944
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.6
130 69.4 60.4 90.6

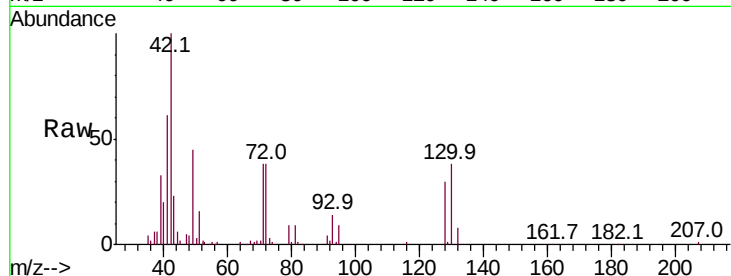




#29
Tetrahydrofuran
Concen: 100.756 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.2	48.4
71	38.6	30.7	46.1

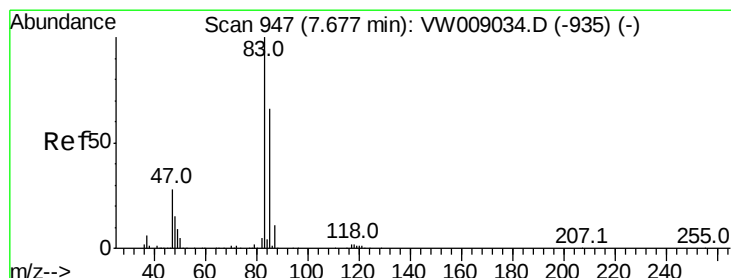
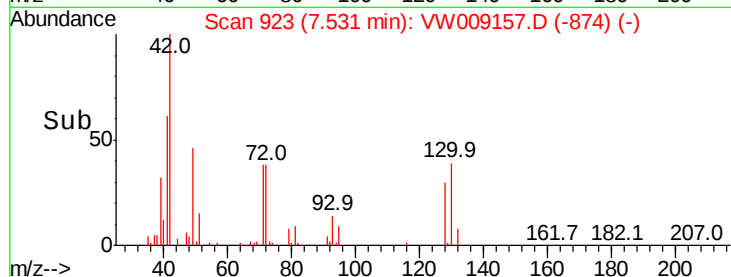
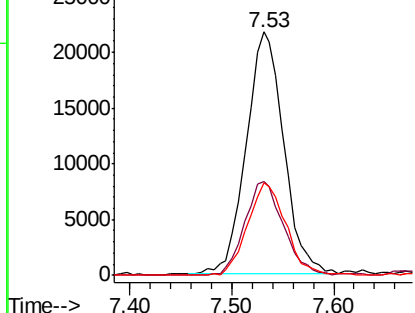


Abundance

Ion 42.00 (41.70 to 42.70): VW

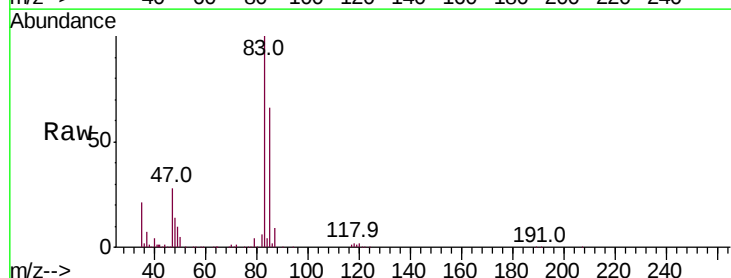
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30
Chloroform
Concen: 20.902 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

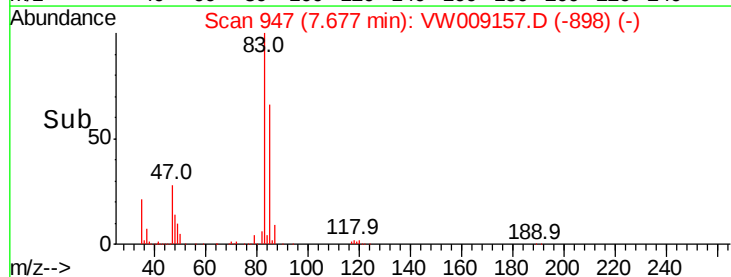
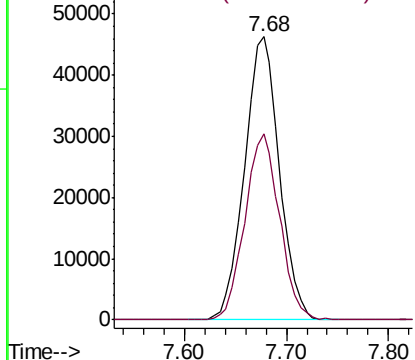
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.0	79.6

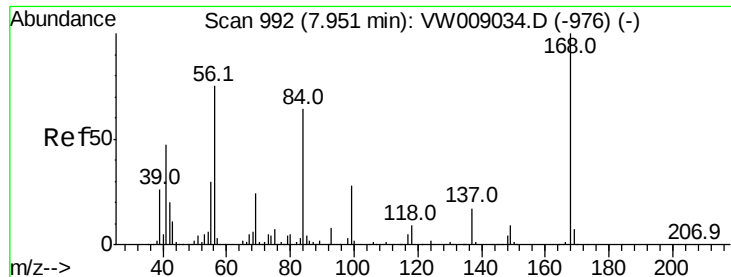


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

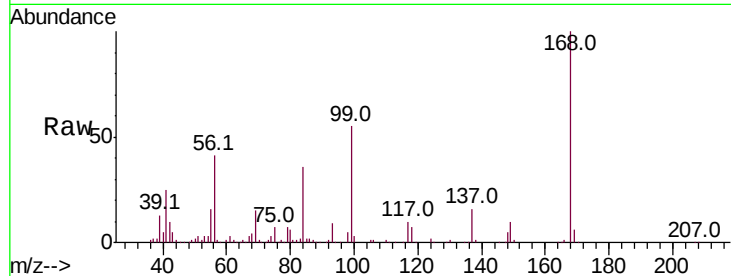




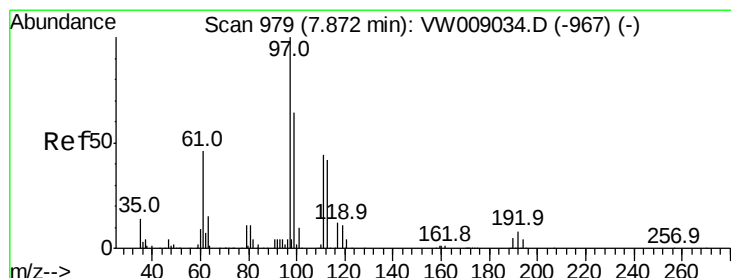
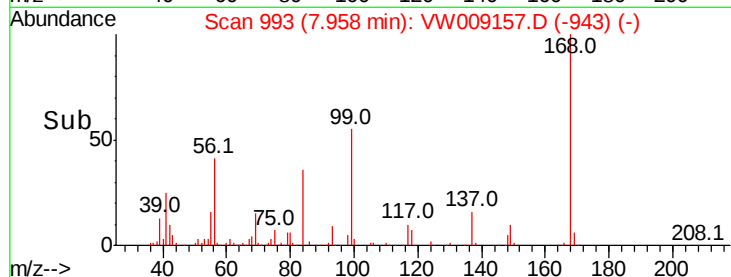
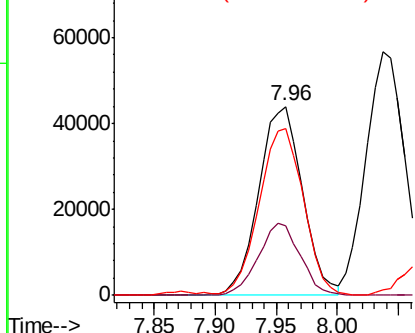
#31
Cyclohexane
Concen: 20.929 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 109707
Ion Ratio Lower Upper
56 100
69 36.8 25.5 38.3
84 87.0 68.6 103.0

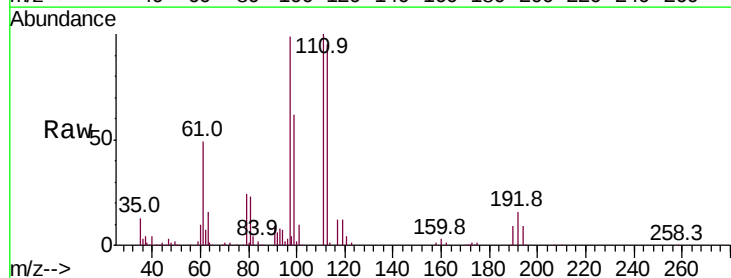


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

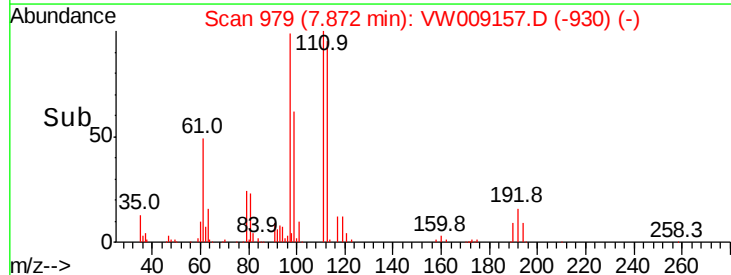
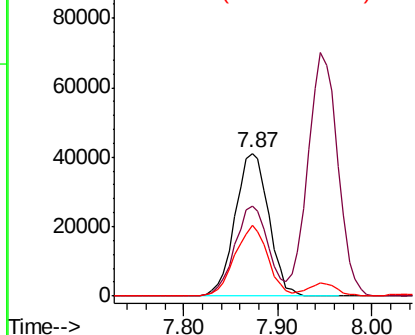


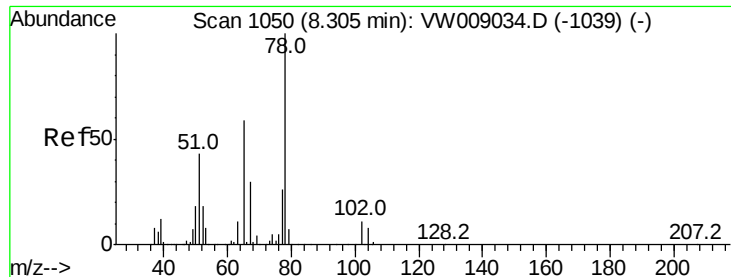
#32
1,1,1-Trichloroethane
Concen: 21.163 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 97 Resp: 102651
Ion Ratio Lower Upper
97 100
99 63.3 51.8 77.8
61 48.4 37.3 55.9



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: 52.461 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

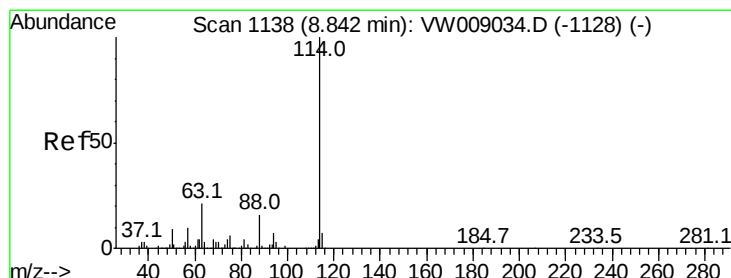
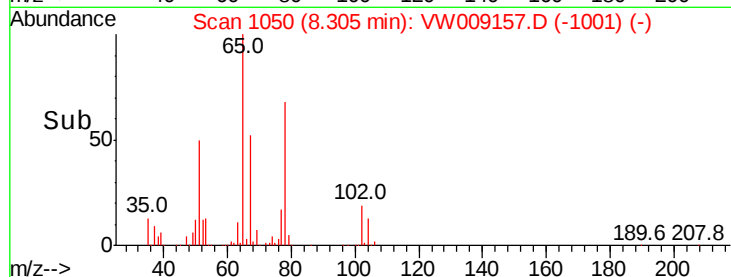
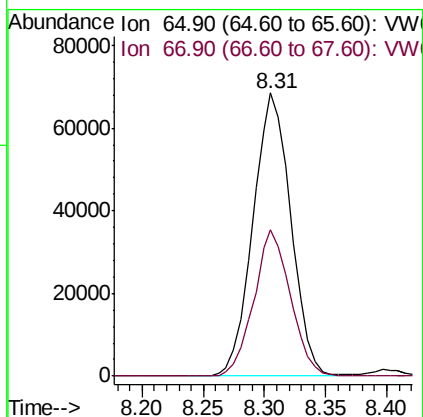
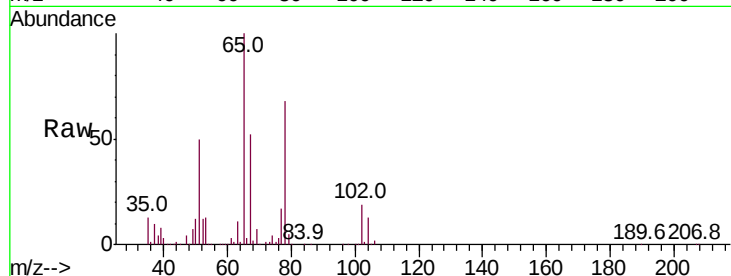
ClientSampleId :

Tot Ion: 65 Resp: 147453

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

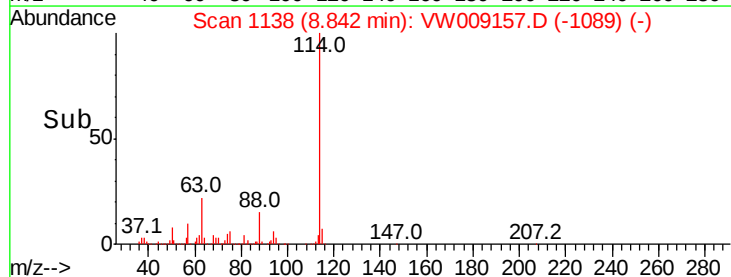
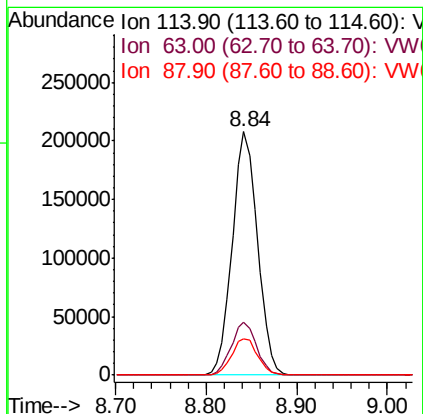
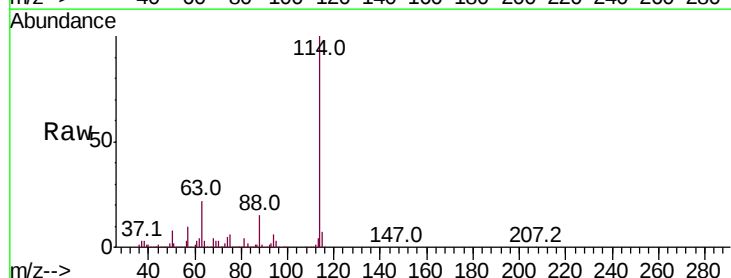
Tgt Ion: 114 Resp: 402648

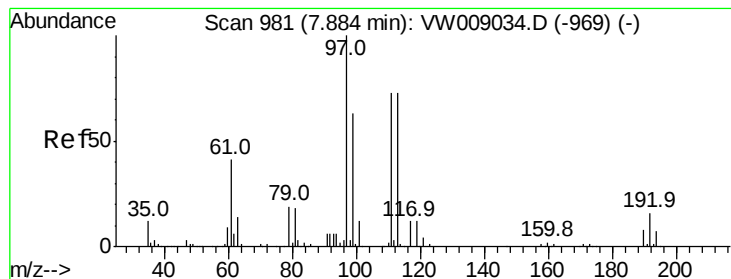
Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.2

88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.727 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

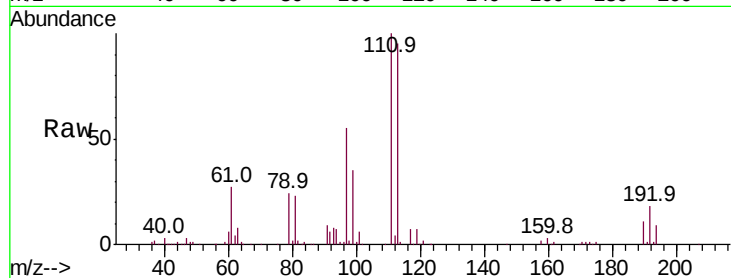
Tot Ion:113 Resp: 122978

Ion Ratio Lower Upper

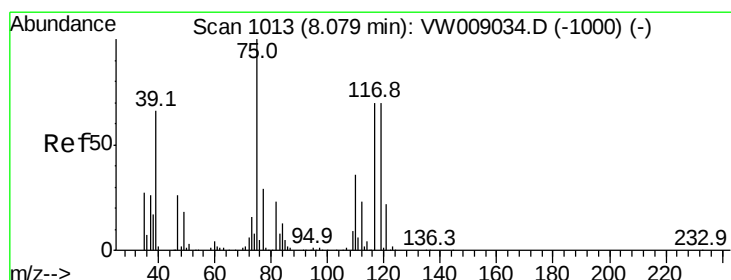
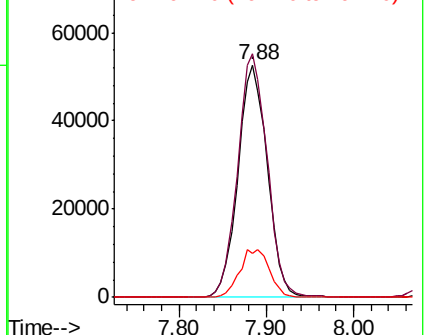
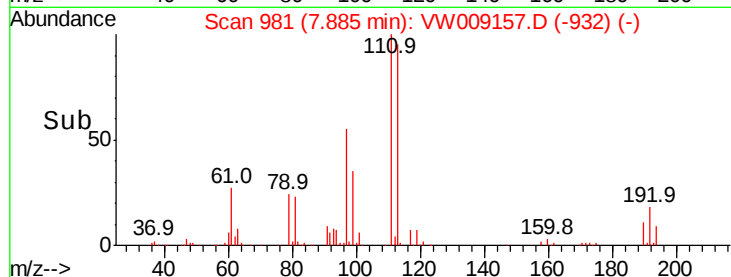
113 100

111 105.4 81.0 121.4

192 21.0 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 21.354 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

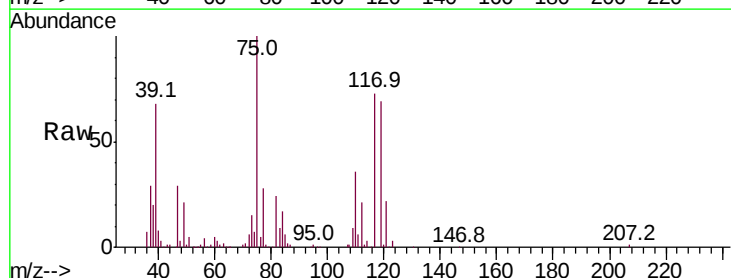
Tgt Ion: 75 Resp: 89903

Ion Ratio Lower Upper

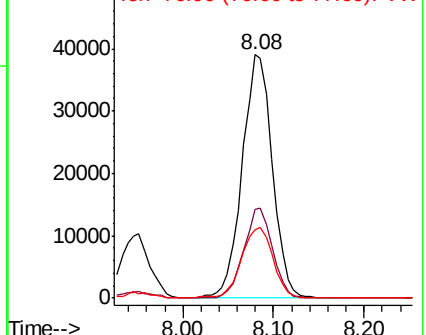
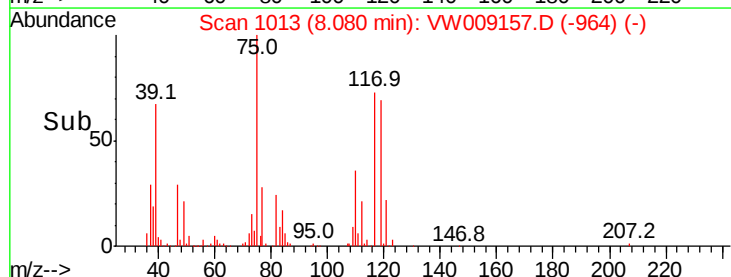
75 100

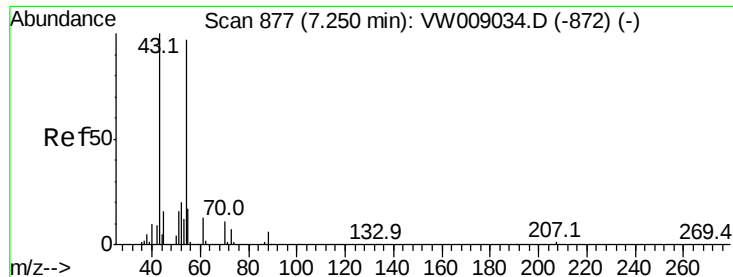
110 35.2 17.6 52.9

77 30.4 25.1 37.7



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

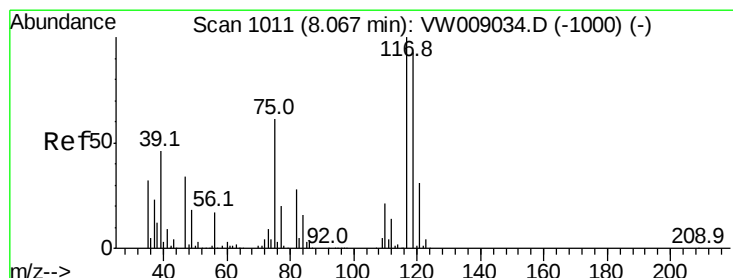
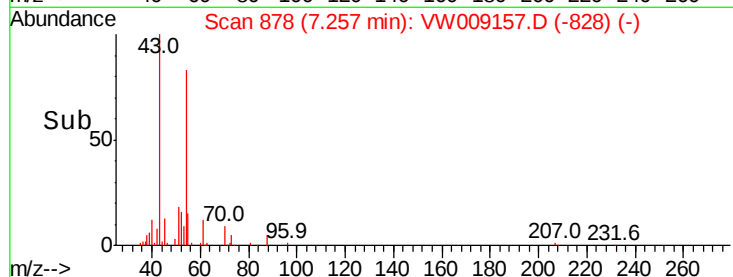
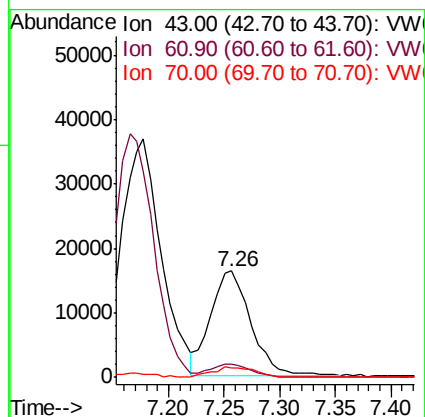
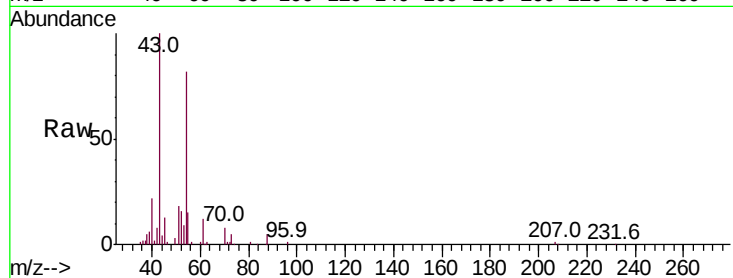




#37
Ethyl Acetate
Concen: 20.826 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

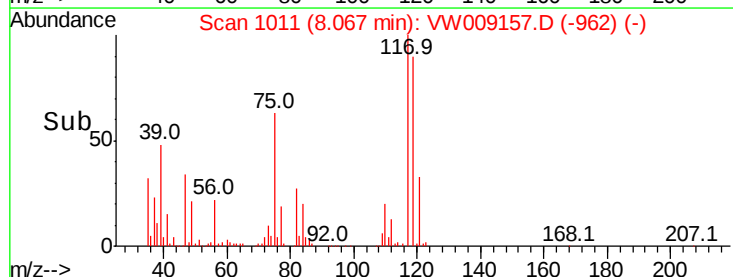
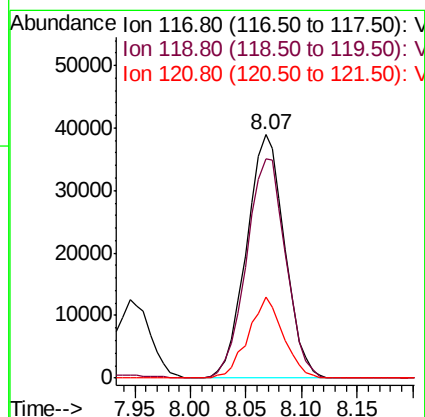
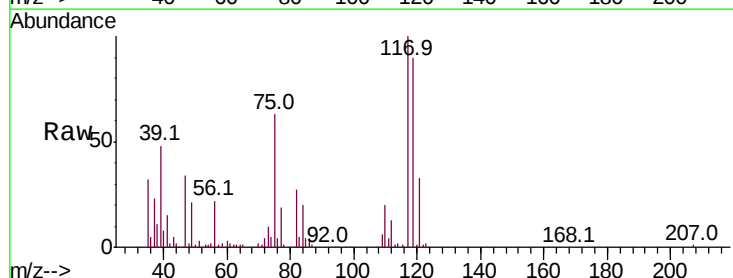
Instrument :
MSVOA_W
ClientSampled :

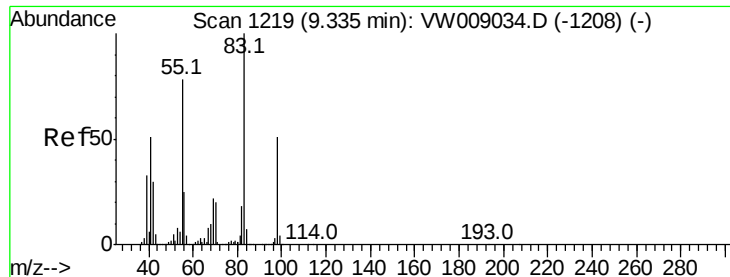
Tot Ion: 43 Resp: 41185
Ion Ratio Lower Upper
43 100
61 12.3 9.8 14.6
70 10.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 21.363 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 117 Resp: 92885
Ion Ratio Lower Upper
117 100
119 89.9 74.6 112.0
121 33.5 24.7 37.1

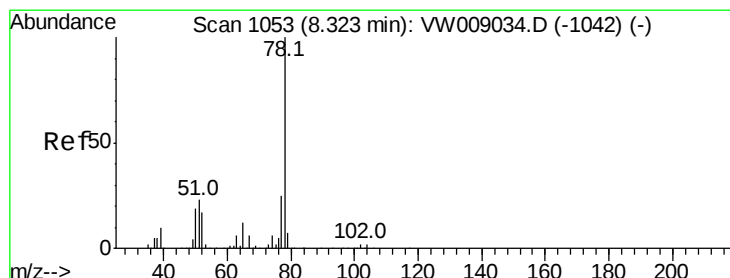
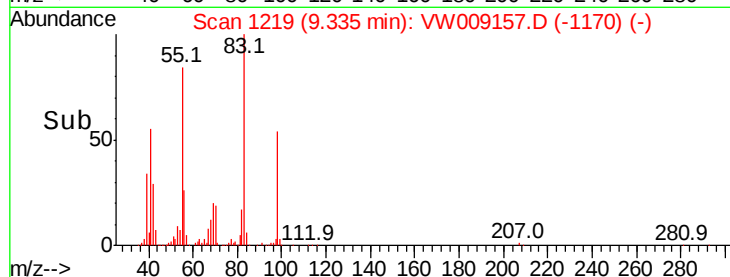
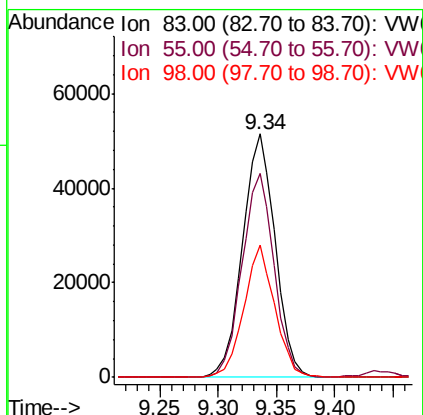
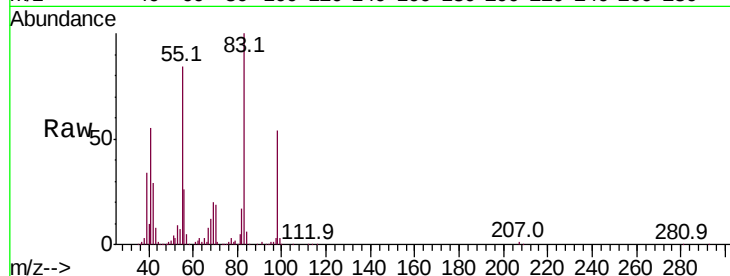




#39
Methvlcvclohexane
Concen: 20.054 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

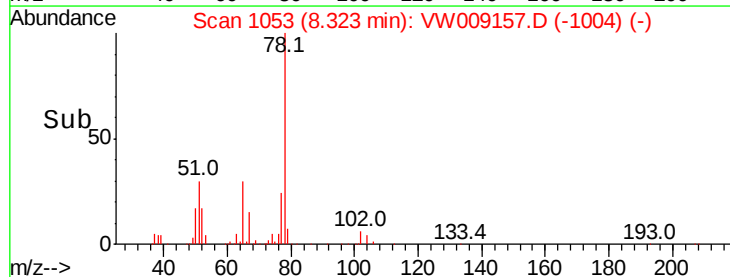
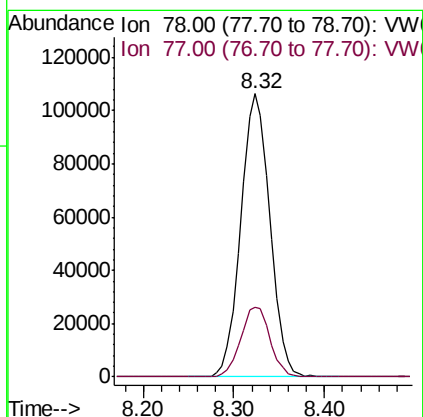
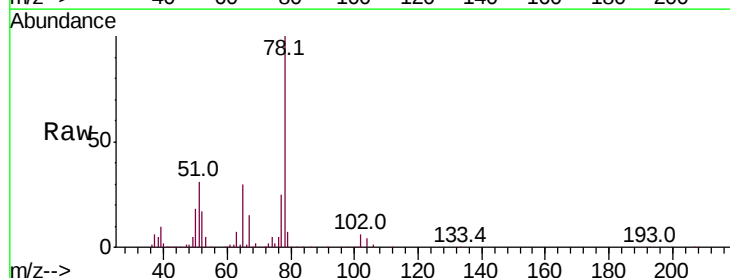
Instrument :
MSVOA_W
ClientSampleId :

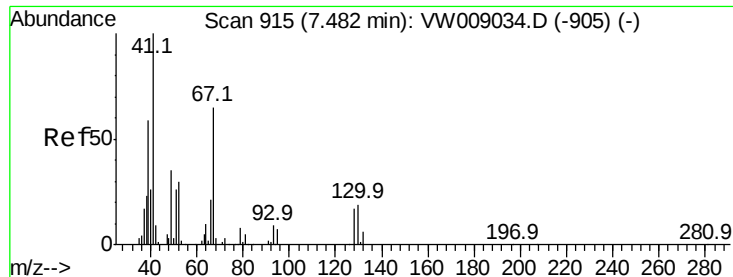
Tot Ion: 83 Resp: 100565
Ion Ratio Lower Upper
83 100
55 83.5 62.7 94.1
98 54.5 40.8 61.2



#40
Benzene
Concen: 20.977 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion: 78 Resp: 235752
Ion Ratio Lower Upper
78 100
77 24.7 20.2 30.4

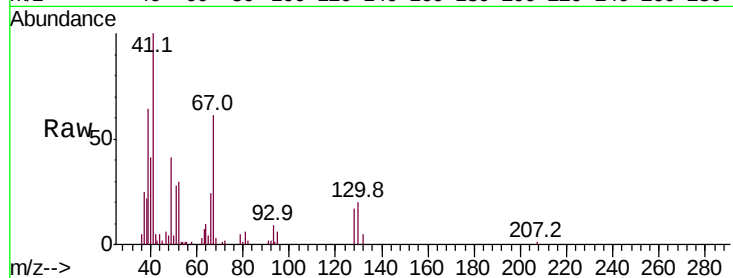




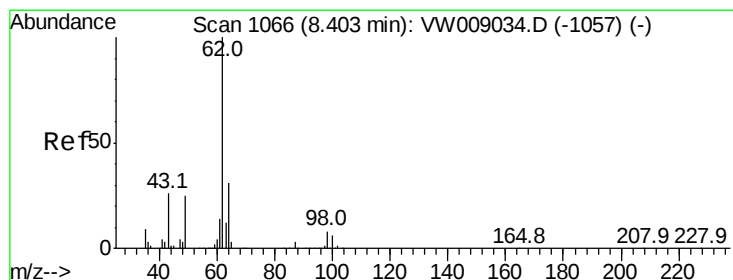
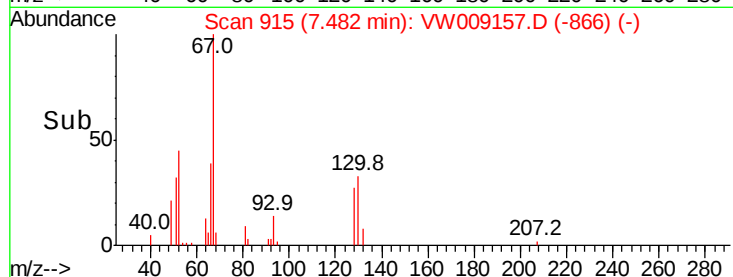
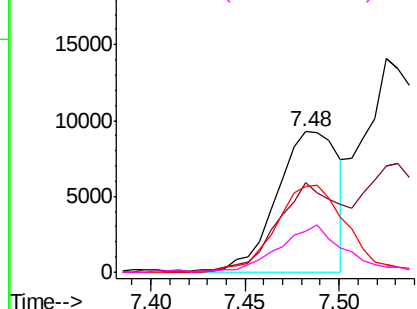
#41
Methacrylonitrile
Concen: 19.141 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	21020
Ion	Ratio	Lower	Upper
41	100		
39	65.7	53.6	80.4
67	71.3	57.6	86.4
52	36.0	26.0	39.0

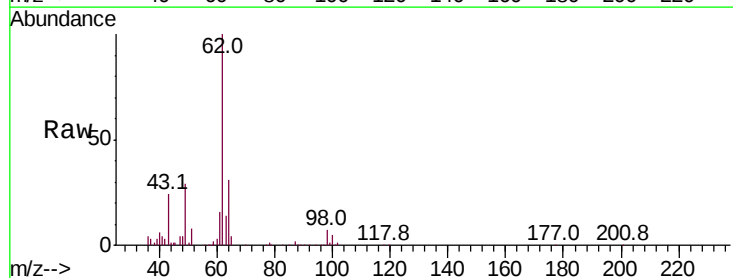


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

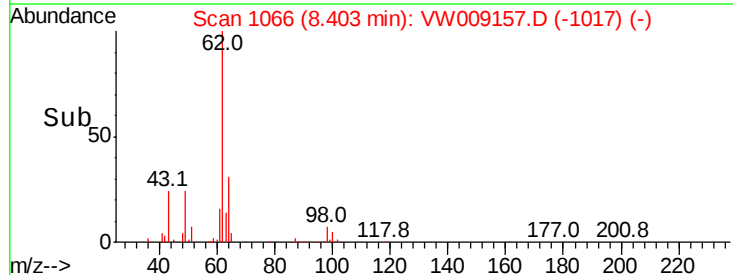
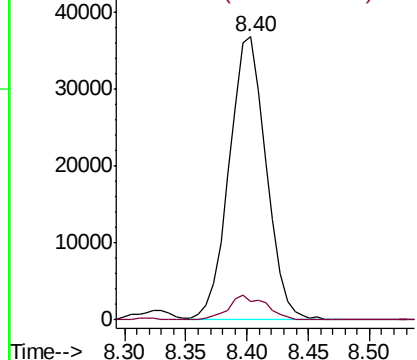


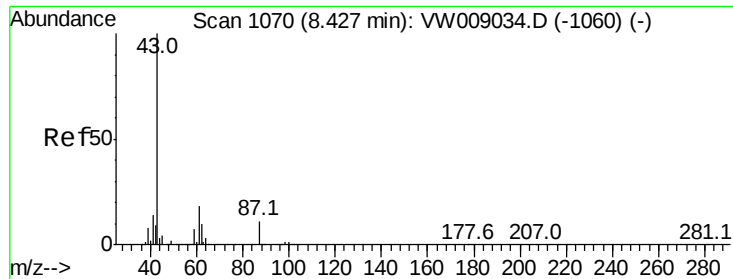
#42
1,2-Dichloroethane
Concen: 21.257 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion:	62	Resp:	77127
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6



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





#43

Isopropyl Acetate

Concen: 20.883 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

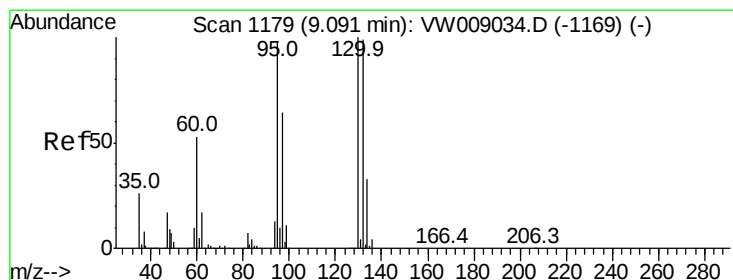
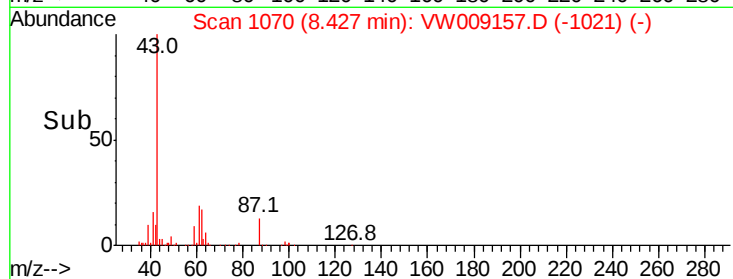
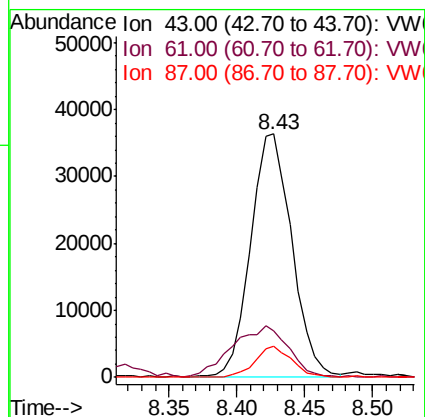
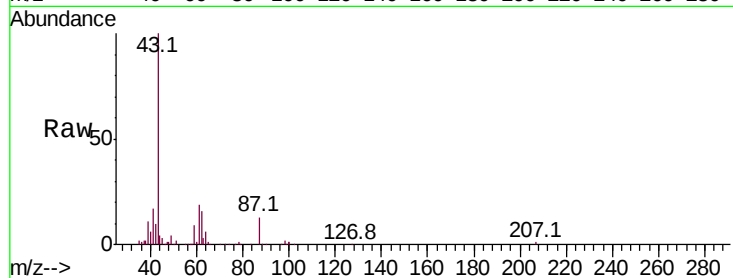
Tot Ion: 43 Resp: 76916

Ion Ratio Lower Upper

43 100

61 29.1 22.8 34.2

87 11.9 9.4 14.2



#44

Trichloroethene

Concen: 20.784 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009157.D

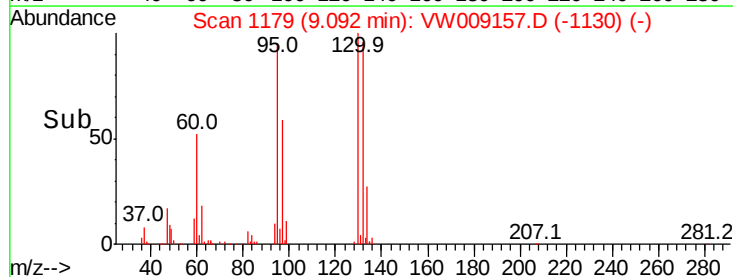
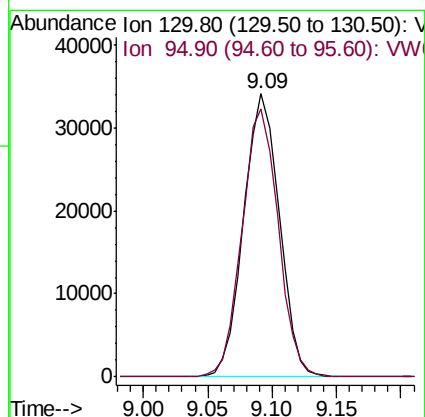
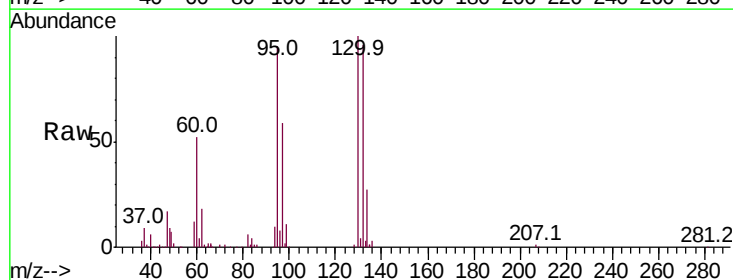
Acq: 13 Mar 2019 16:00

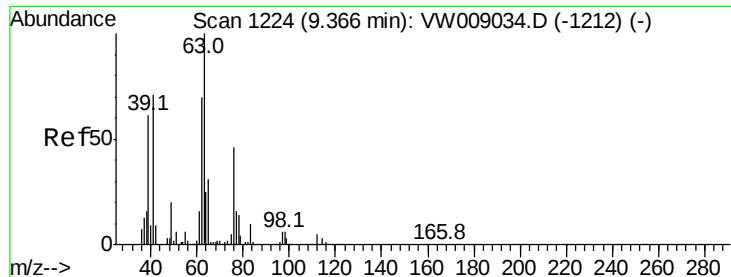
Tgt Ion: 130 Resp: 65470

Ion Ratio Lower Upper

130 100

95 94.6 0.0 197.0





#45

1,2-Dichloropropane

Concen: 21.213 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

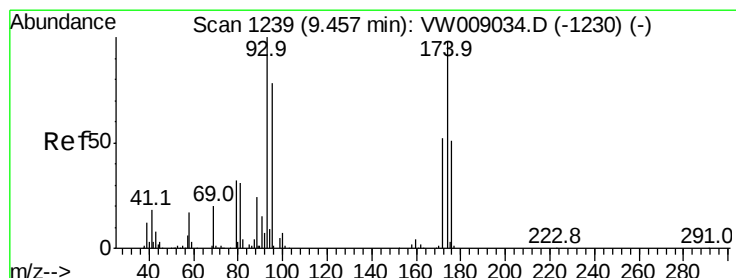
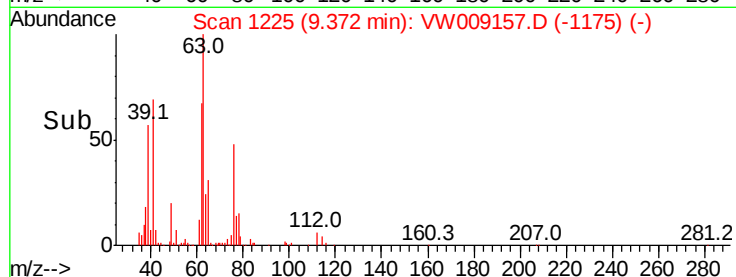
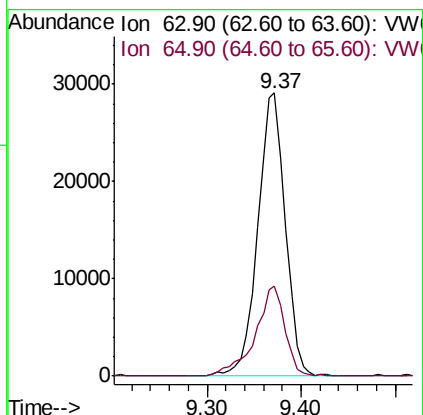
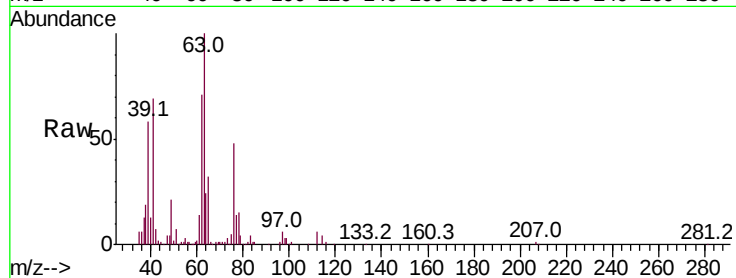
ClientSampleId :

Tot Ion: 63 Resp: 59712

Ion Ratio Lower Upper

63 100

65 31.6 24.9 37.3



#46

Dibromomethane

Concen: 20.894 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

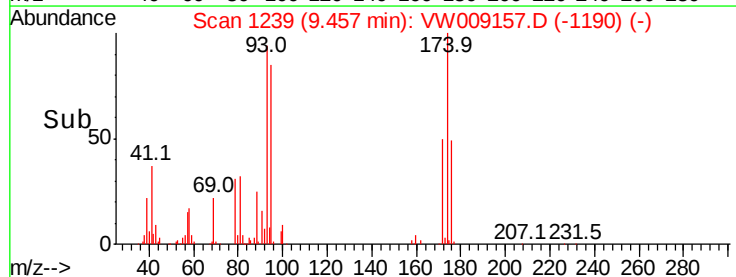
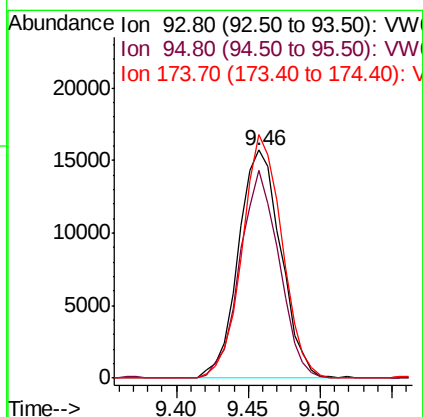
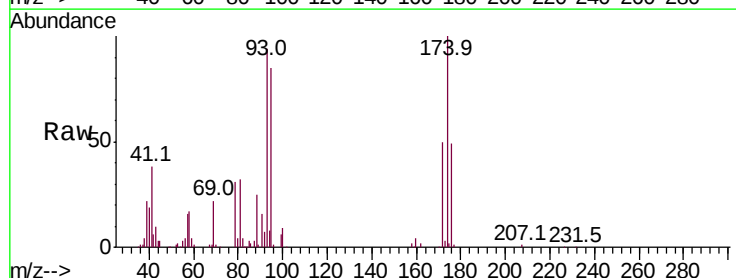
Tgt Ion: 93 Resp: 32120

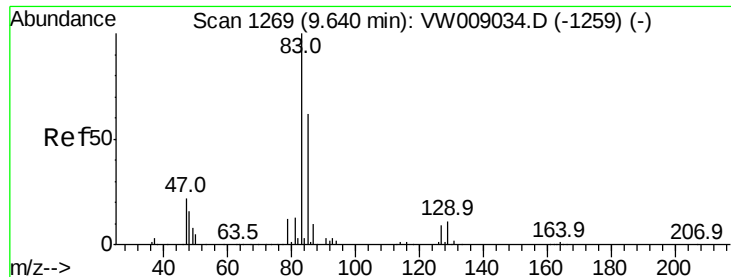
Ion Ratio Lower Upper

93 100

95 84.2 65.0 97.6

174 100.0 81.8 122.6





#47

Bromodichloromethane

Concen: 21.034 ug/l

RT: 9.65 min Scan# 1270

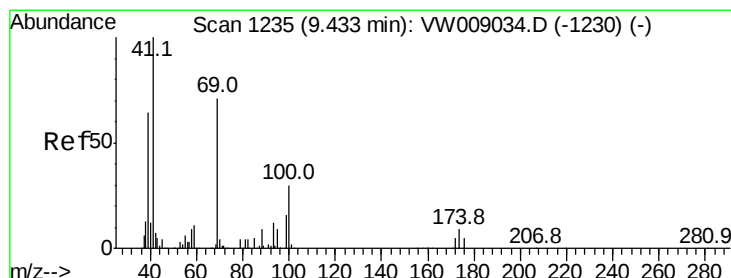
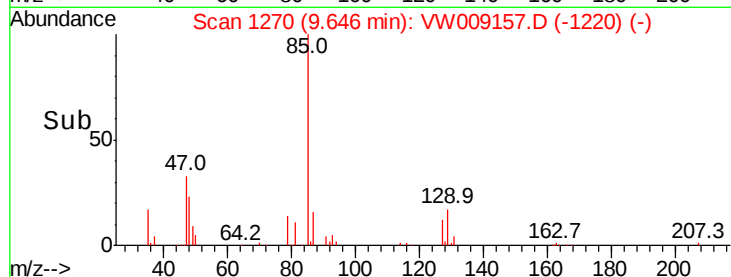
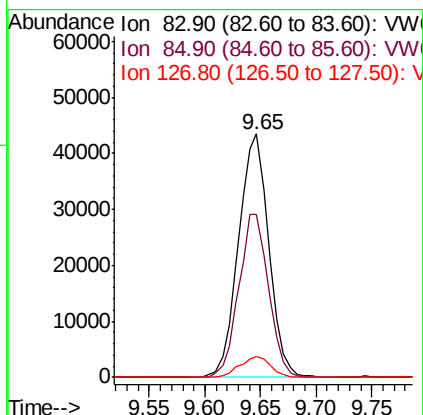
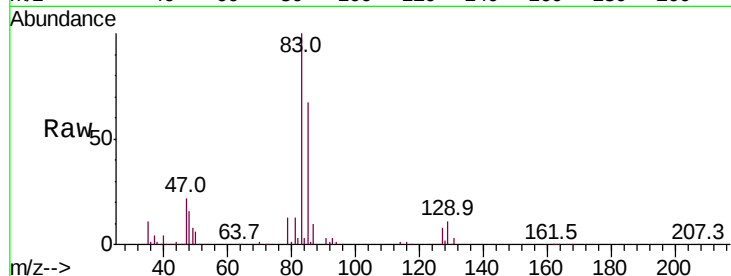
Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	83	Resp:	81853
Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.9	74.9
127	8.3	7.1	10.7



#48

Methyl methacrylate

Concen: 20.461 ug/l

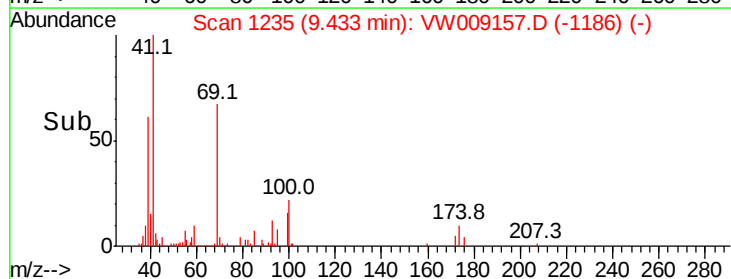
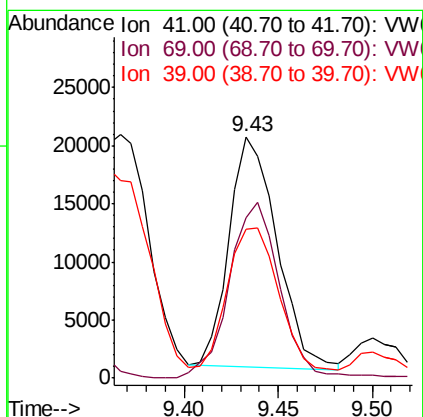
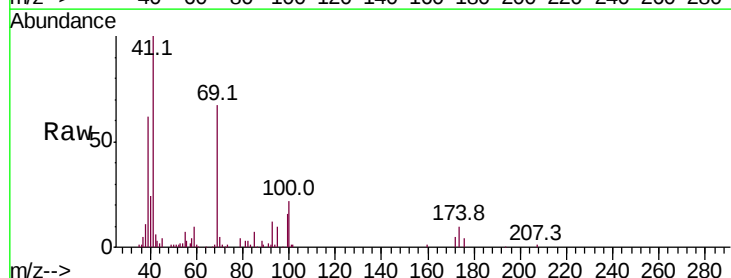
RT: 9.43 min Scan# 1235

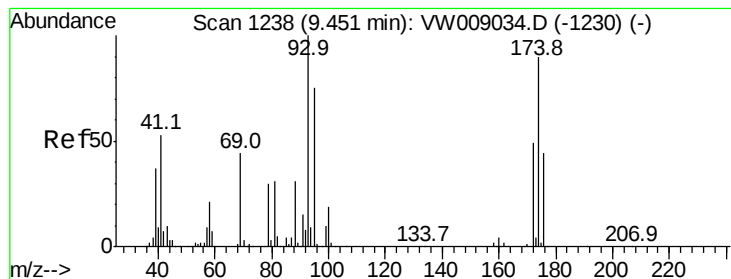
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	41	Resp:	35090
Ion	Ratio	Lower	Upper
41	100		
69	80.5	59.1	88.7
39	65.9	48.9	73.3





#49

1,4-Dioxane

Concen: 371.406 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

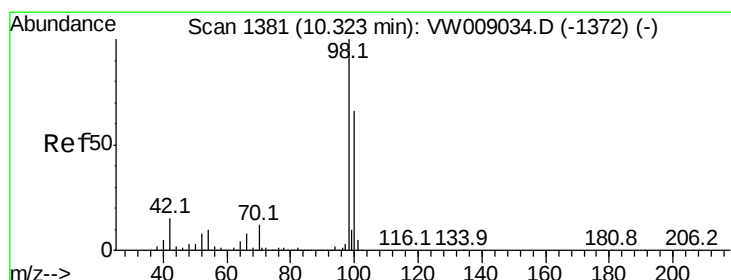
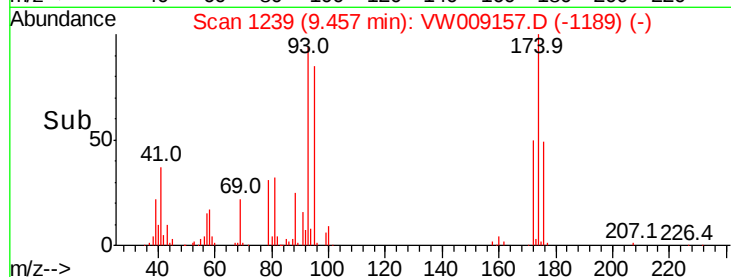
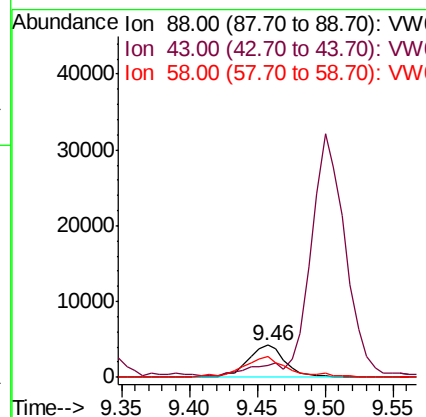
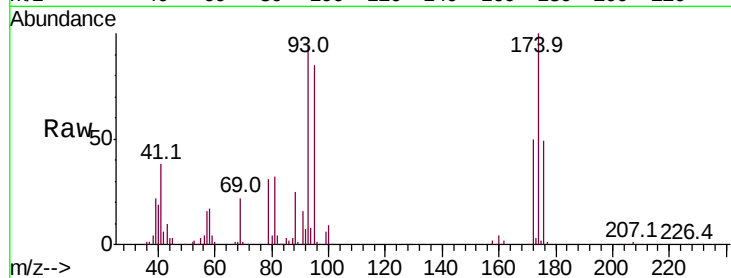
Tot Ion: 88 Resp: 8176

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 78.8 59.2 88.8



#50

Toluene-d8

Concen: 51.829 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009157.D

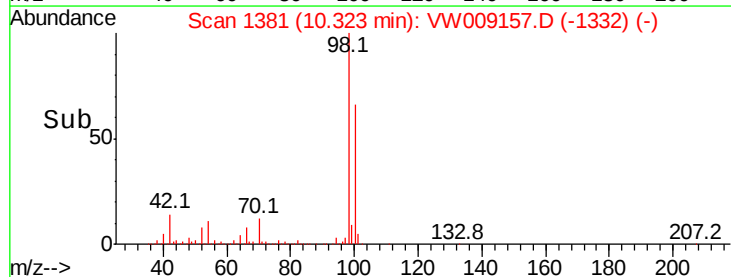
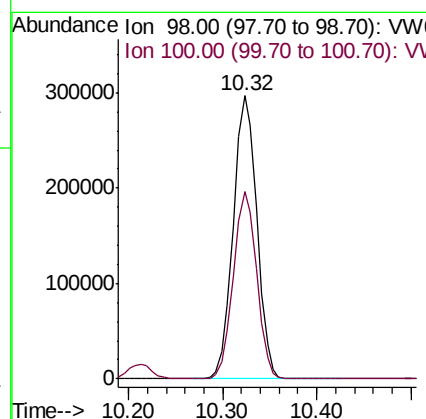
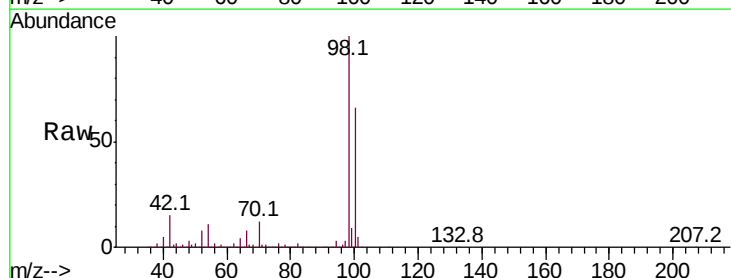
Acq: 13 Mar 2019 16:00

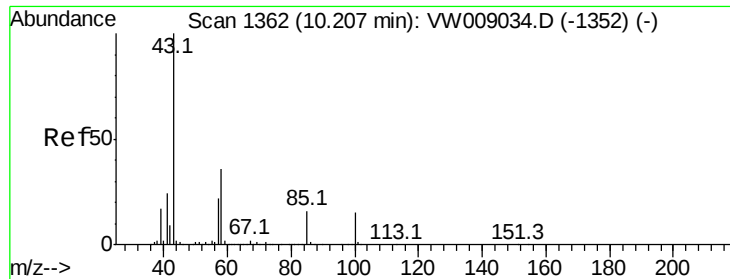
Tgt Ion: 98 Resp: 516055

Ion Ratio Lower Upper

98 100

100 65.4 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 107.683 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

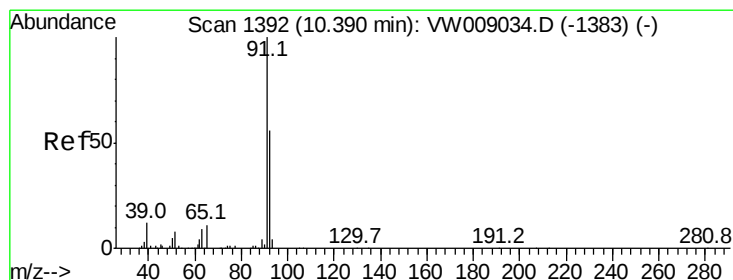
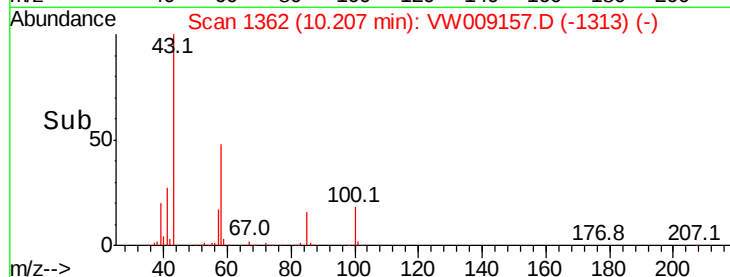
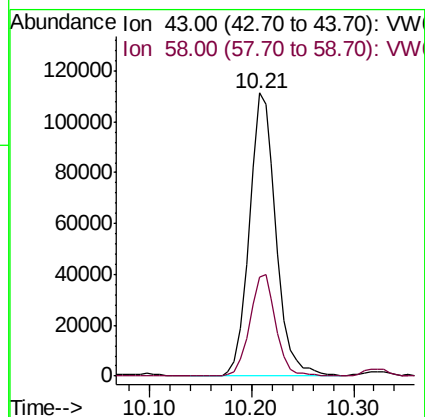
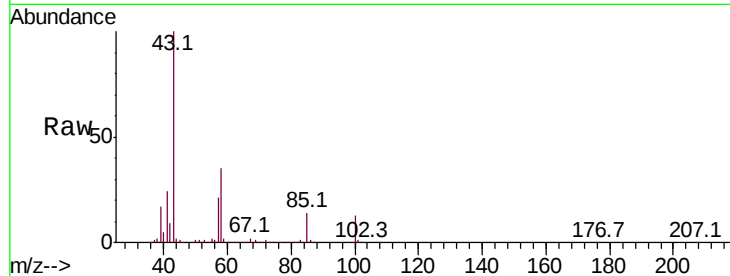
ClientSampled :

Tot Ion: 43 Resp: 201348

Ion Ratio Lower Upper

43 100

58 35.2 28.8 43.2



#52

Toluene

Concen: 20.552 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009157.D

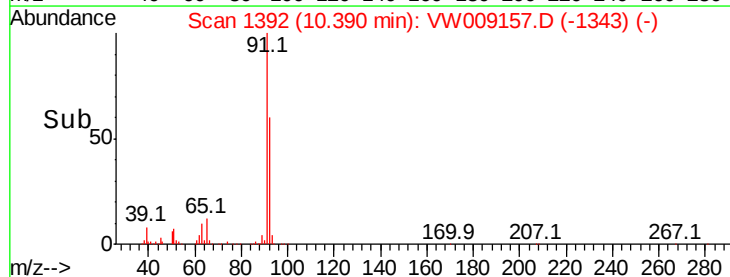
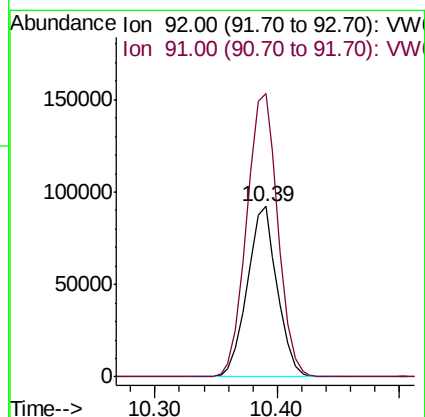
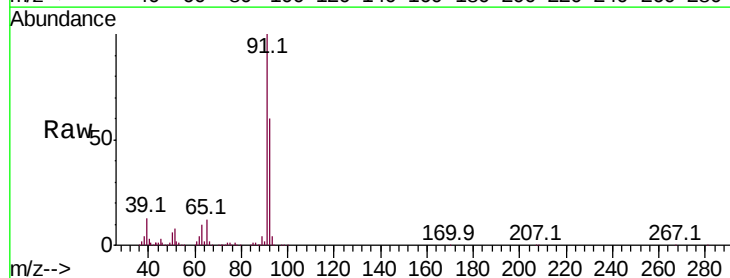
Acq: 13 Mar 2019 16:00

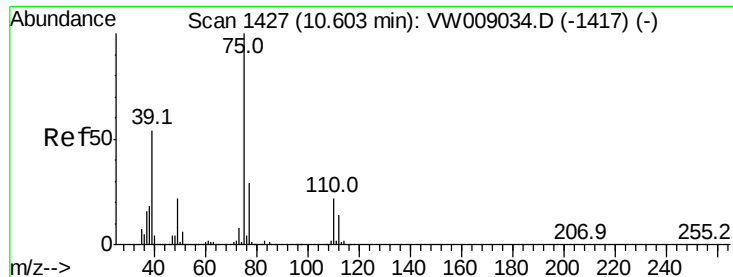
Tgt Ion: 92 Resp: 156648

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 21.197 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

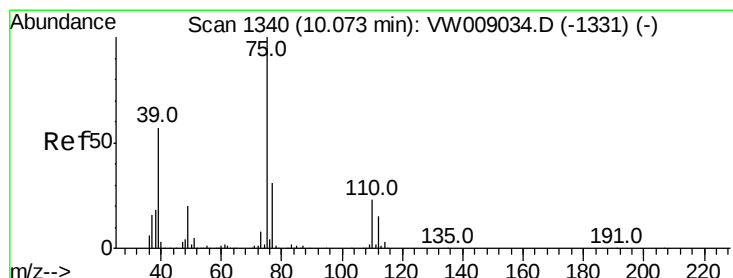
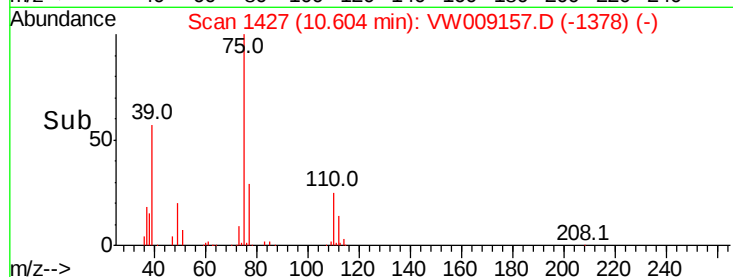
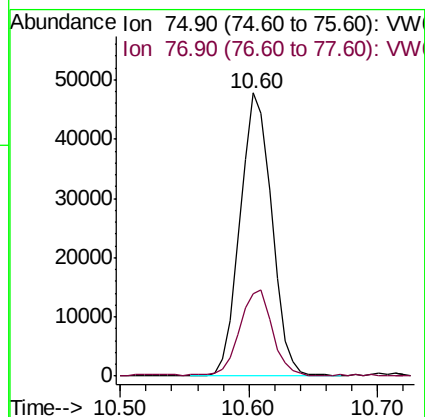
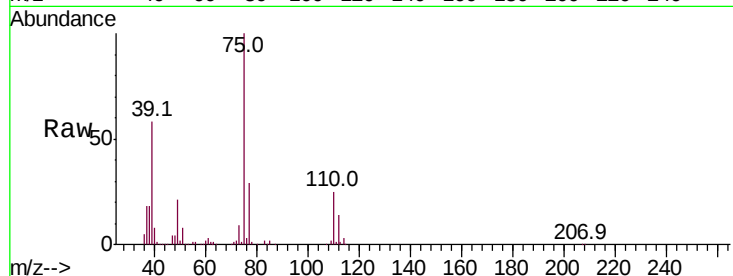
ClientSampled :

Tot Ion: 75 Resp: 81583

Ion Ratio Lower Upper

75 100

77 28.5 23.6 35.4



#54

cis-1,3-Dichloropropene

Concen: 21.368 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

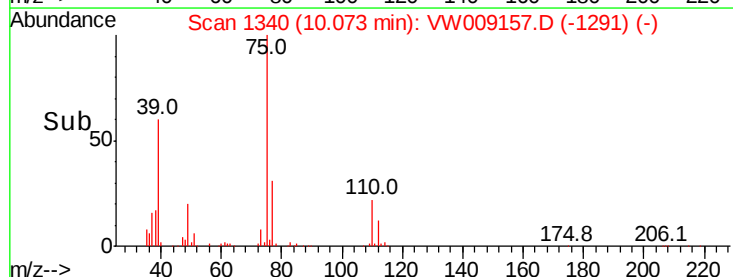
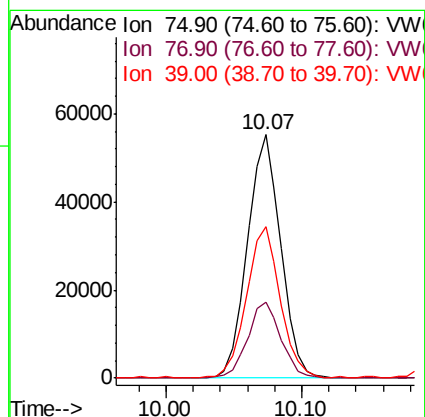
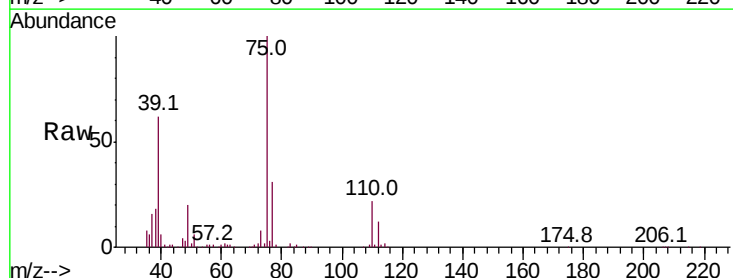
Tgt Ion: 75 Resp: 94508

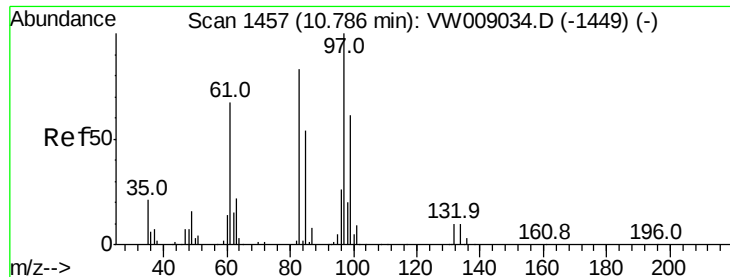
Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 61.9 45.9 68.9

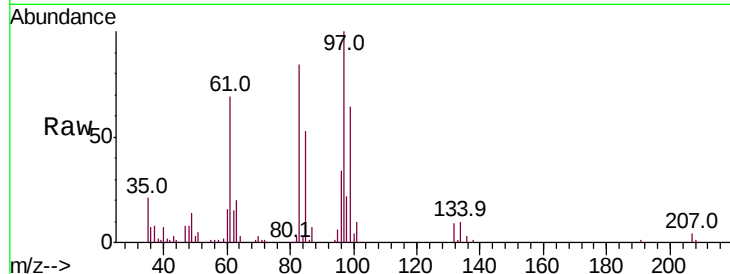




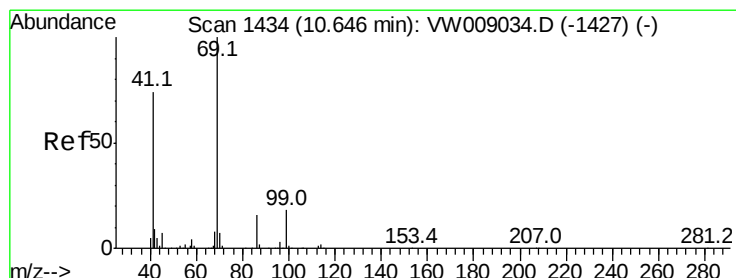
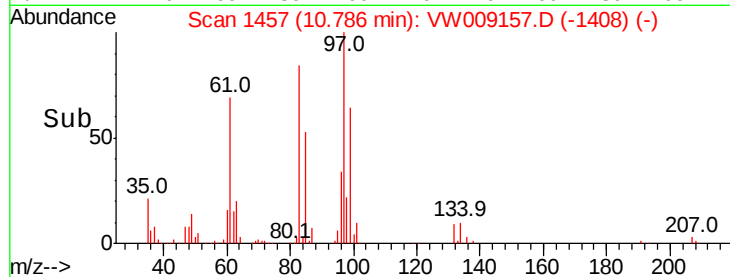
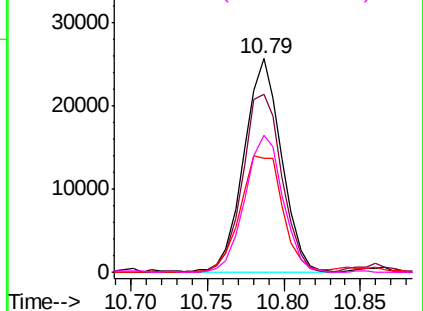
#55
 1,1,2-Trichloroethane
 Concen: 21.022 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 43802
 Ion Ratio Lower Upper
 97 100
 83 83.2 66.2 99.2
 85 53.4 43.6 65.4
 99 64.0 49.0 73.4

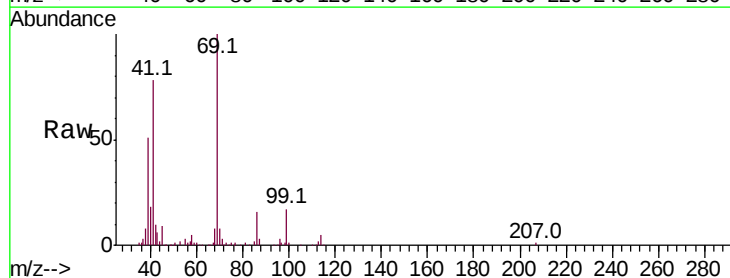


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

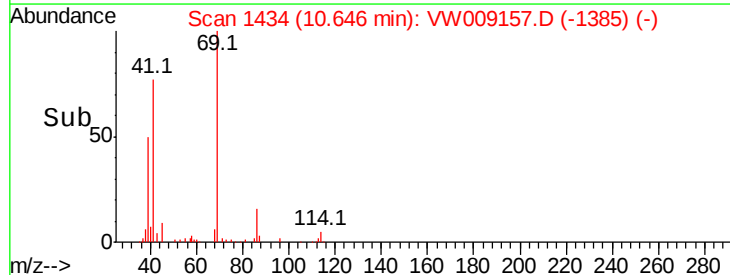
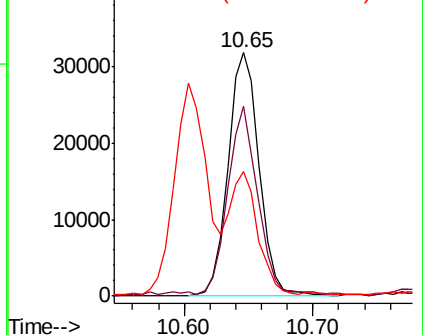


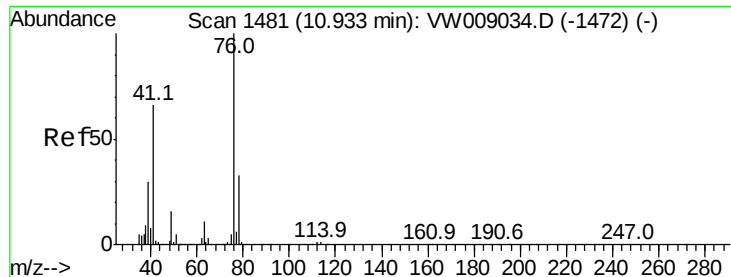
#56
 Ethyl methacrylate
 Concen: 20.689 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion: 69 Resp: 53501
 Ion Ratio Lower Upper
 69 100
 41 75.4 59.4 89.2
 39 45.7 38.5 57.7



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

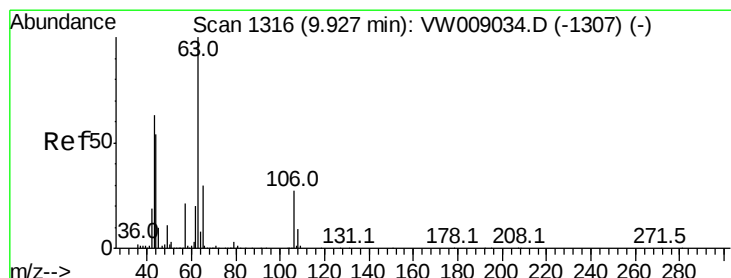
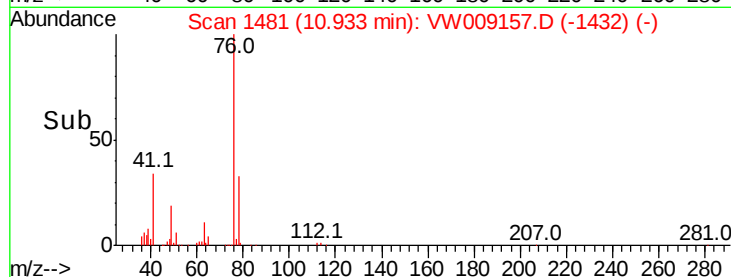
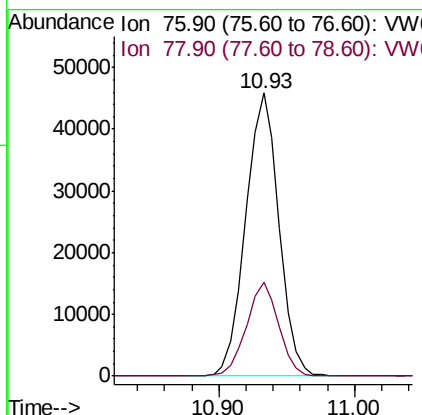
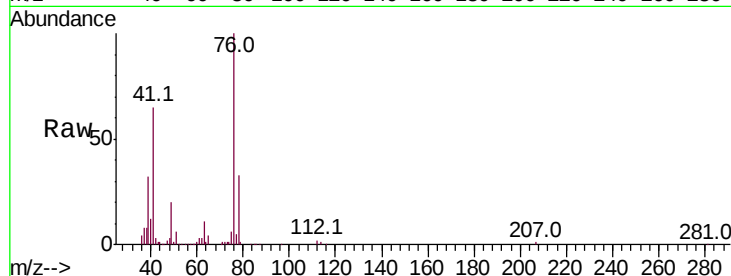




#57
 1,3-Dichloropropane
 Concen: 21.250 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

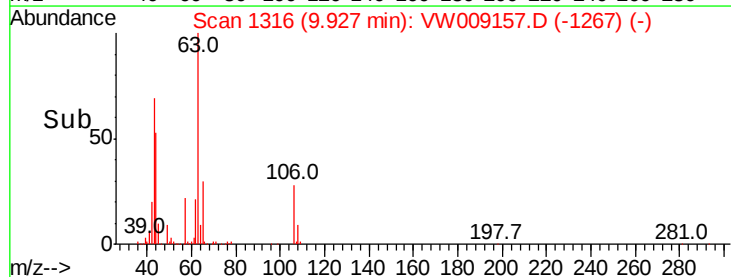
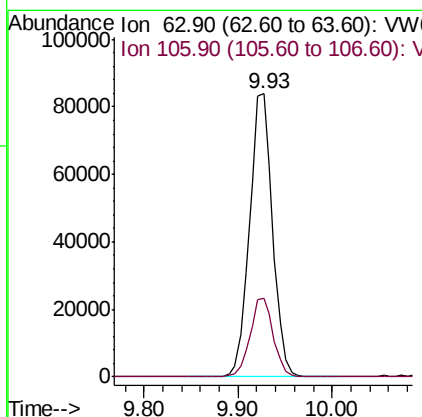
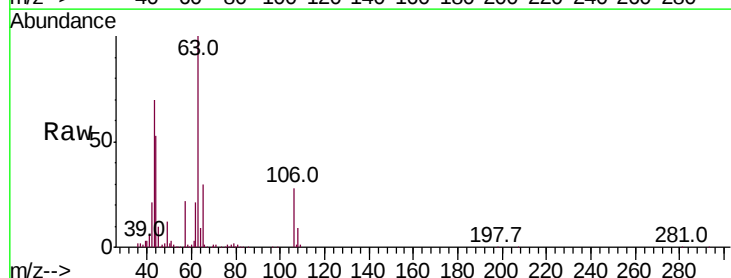
Instrument :
 MSVOA_W
 ClientSampled :

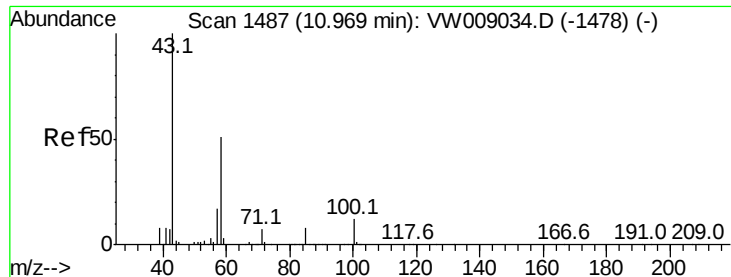
Tot Ion: 76 Resp: 78438
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.453 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion: 63 Resp: 144049
 Ion Ratio Lower Upper
 63 100
 106 27.8 23.0 34.6





#59

2-Hexanone

Concen: 108.271 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

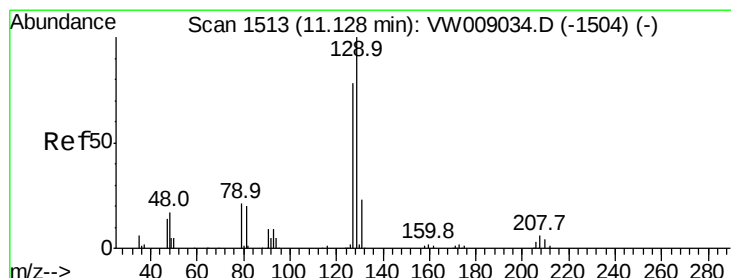
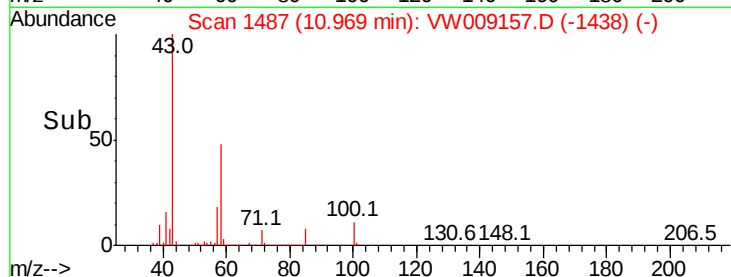
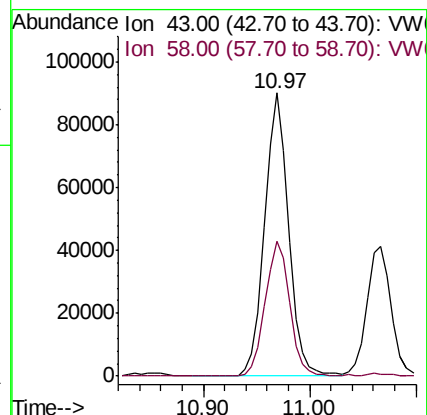
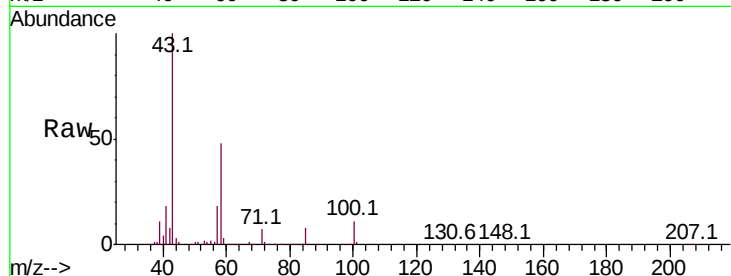
ClientSampled :

Tot Ion: 43 Resp: 142337

Ion Ratio Lower Upper

43 100

58 48.8 25.3 75.9



#60

Dibromochloromethane

Concen: 20.699 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009157.D

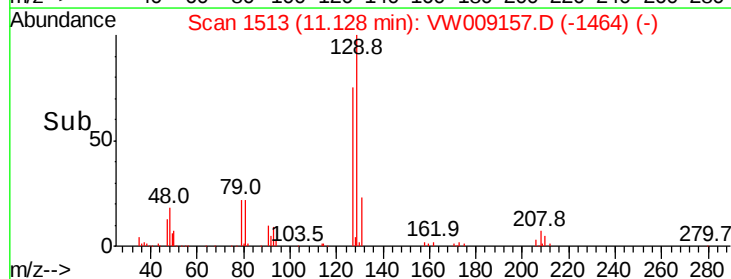
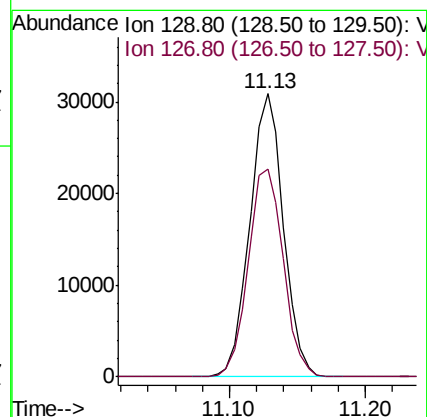
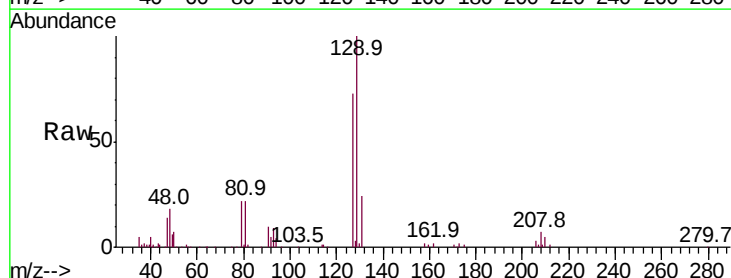
Acq: 13 Mar 2019 16:00

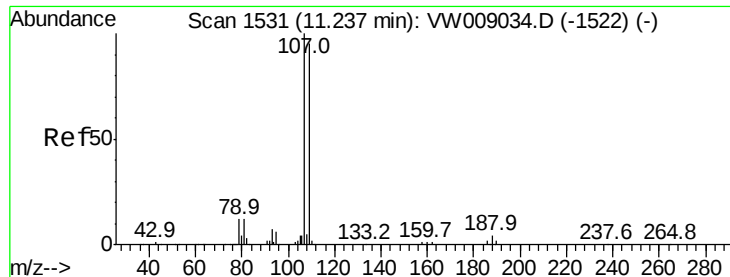
Tgt Ion: 129 Resp: 53375

Ion Ratio Lower Upper

129 100

127 76.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.134 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

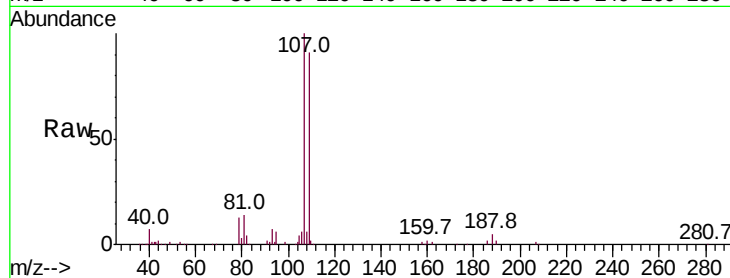
ClientSampled :

Tot Ion:107 Resp: 41126

Ion Ratio Lower Upper

107 100

109 95.8 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

25000

20000

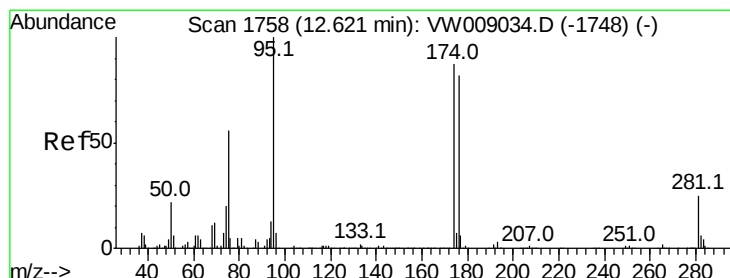
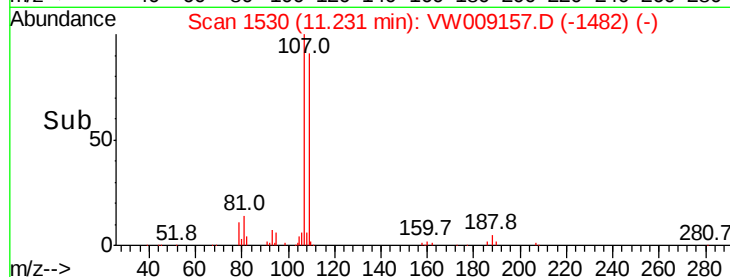
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.234 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

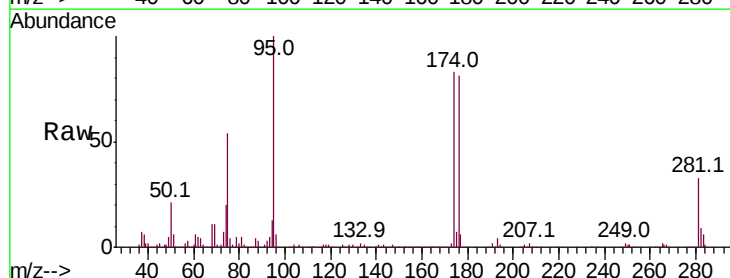
Tgt Ion: 95 Resp: 200822

Ion Ratio Lower Upper

95 100

174 81.5 0.0 167.0

176 79.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

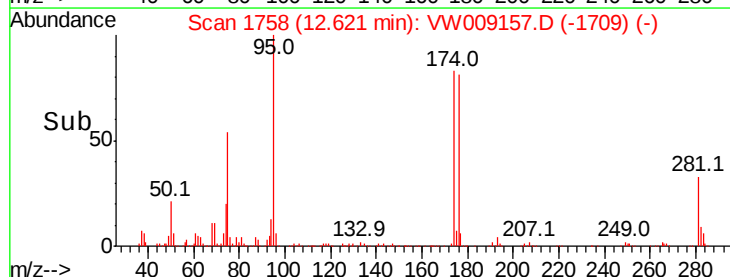
150000

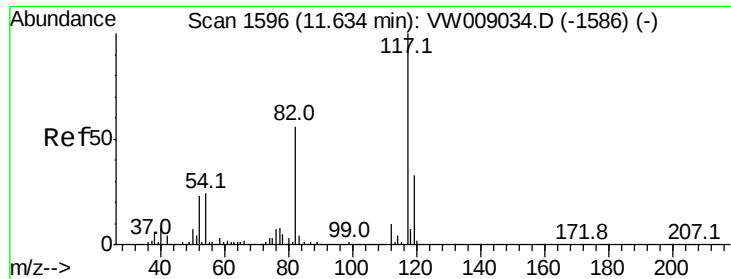
100000

50000

0

Time-->

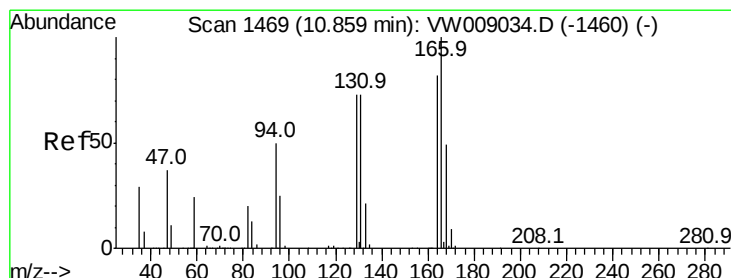
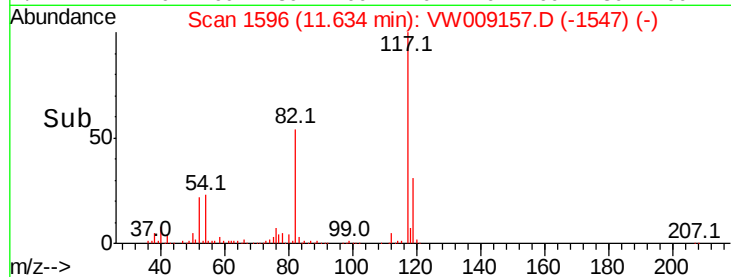
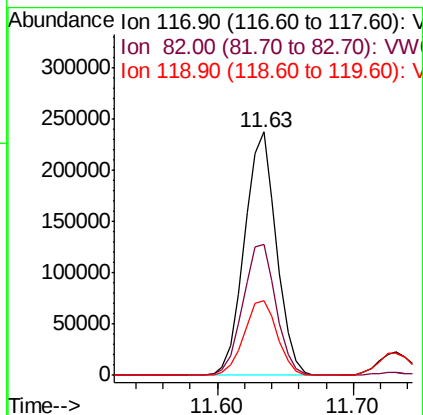
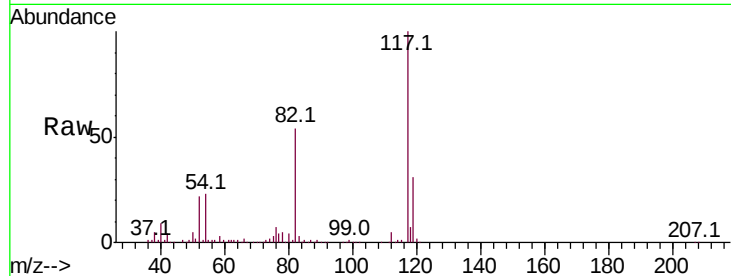




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

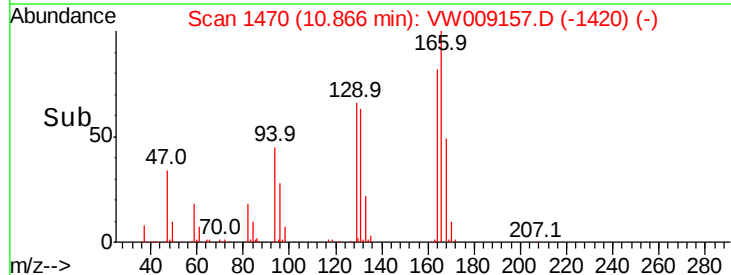
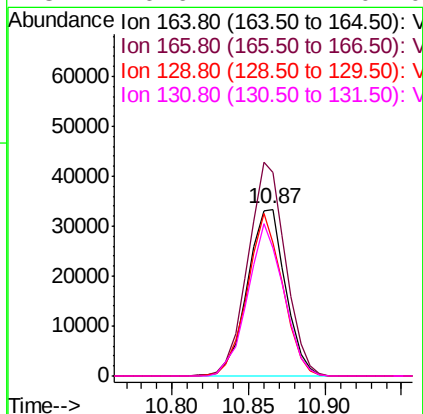
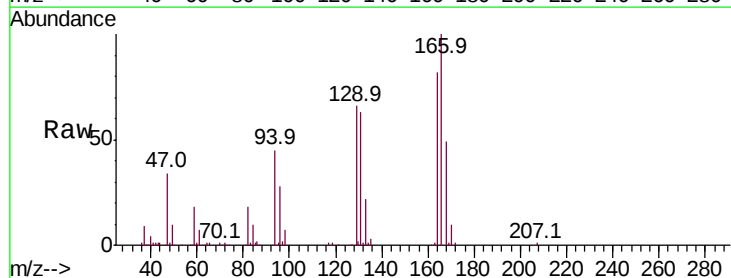
Instrument :
MSVOA_W
ClientSampleId :

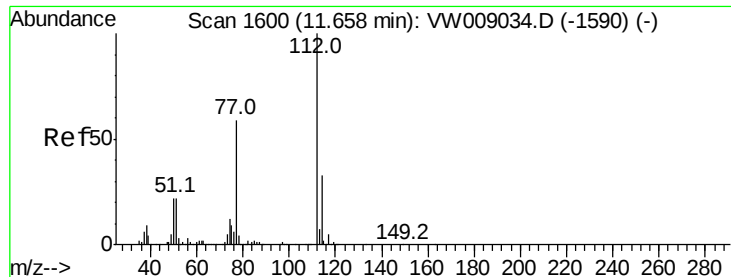
Tot Ion:117 Resp: 388800
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.6
119 30.5 26.6 39.8



#64
Tetrachloroethene
Concen: 20.521 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion:164 Resp: 57539
Ion Ratio Lower Upper
164 100
166 121.6 97.8 146.6
129 79.8 71.6 107.4
131 76.6 71.4 107.0





#65

Chlorobenzene

Concen: 20.317 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

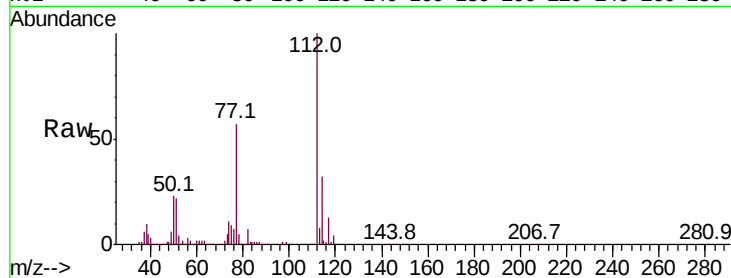
ClientSampled :

Tot Ion:112 Resp: 171934

Ion Ratio Lower Upper

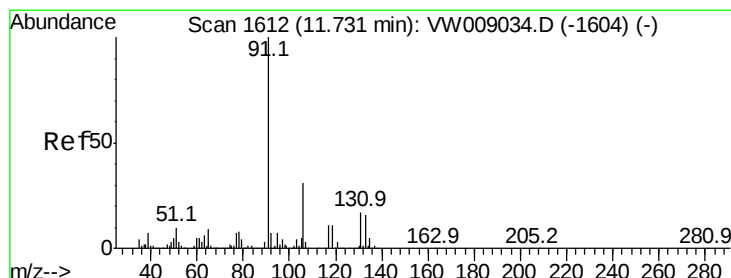
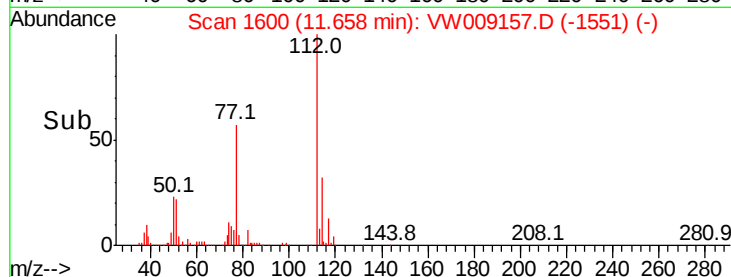
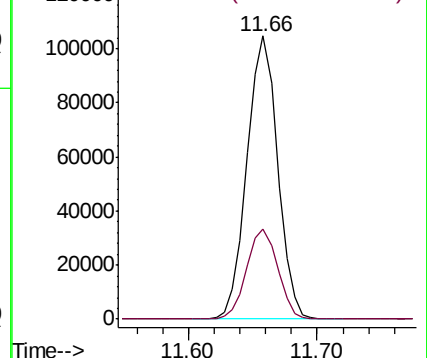
112 100

114 31.7 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.297 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

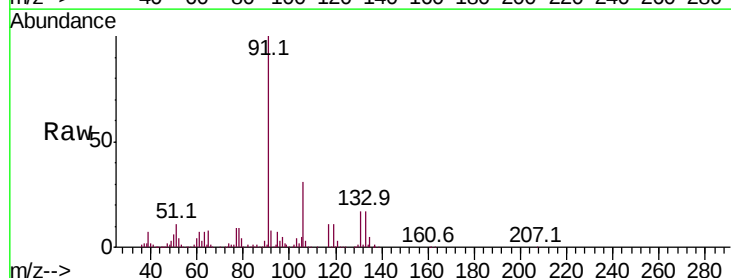
Tgt Ion:131 Resp: 60179

Ion Ratio Lower Upper

131 100

133 92.9 47.6 142.8

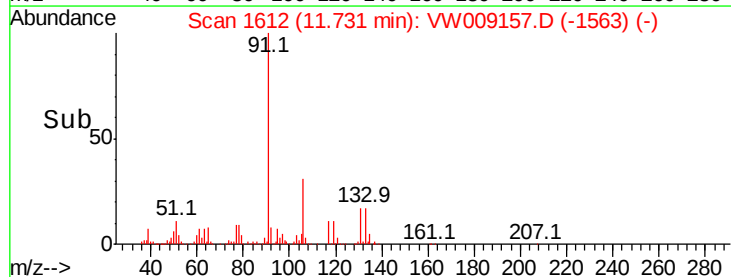
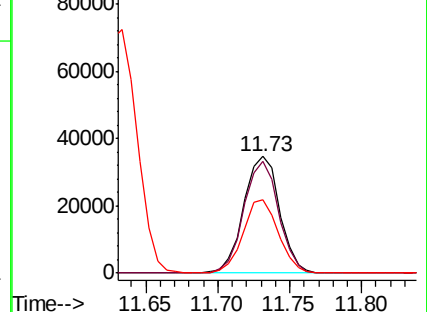
119 62.0 31.3 93.8

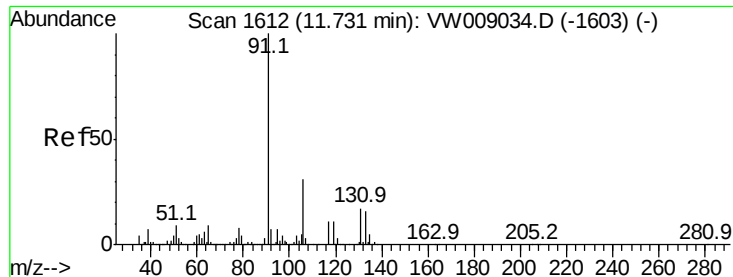


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.576 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

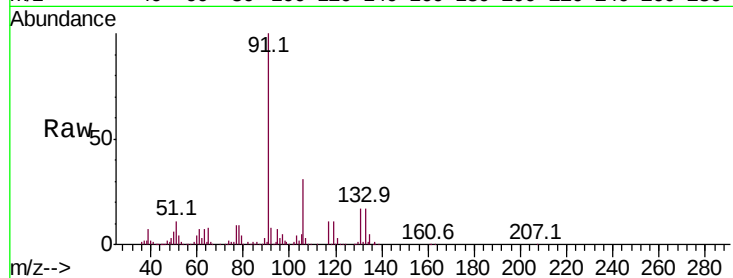
ClientSampled :

Tot Ion: 91 Resp: 314572

Ion Ratio Lower Upper

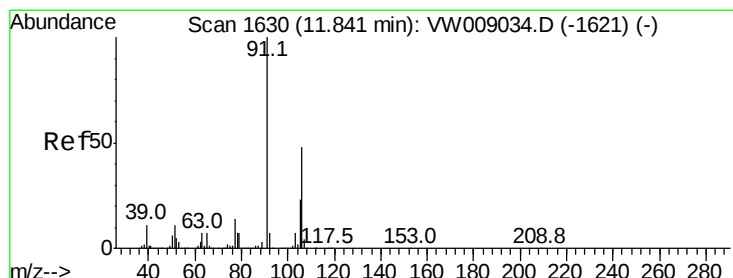
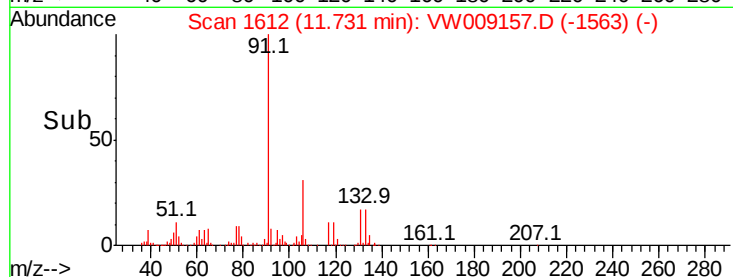
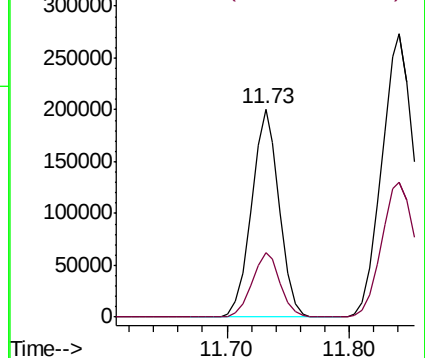
91 100

106 31.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 40.823 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009157.D

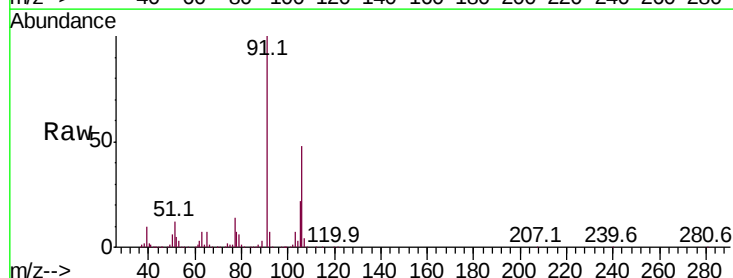
Acq: 13 Mar 2019 16:00

Tgt Ion: 106 Resp: 246347

Ion Ratio Lower Upper

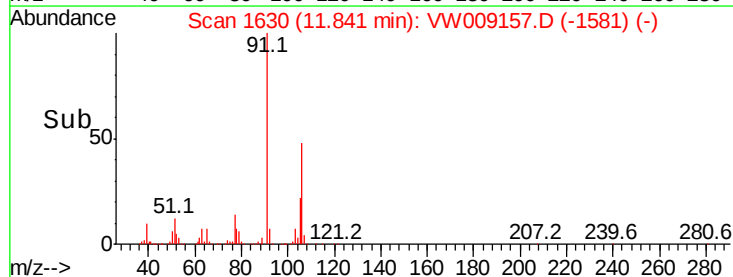
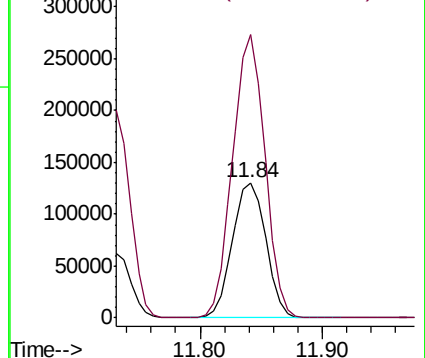
106 100

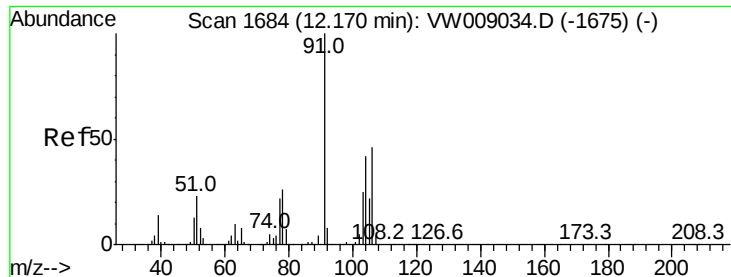
91 203.3 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

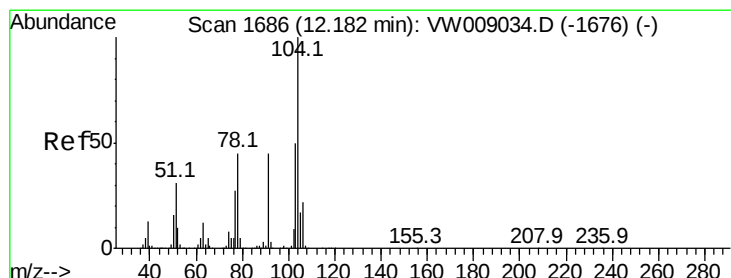
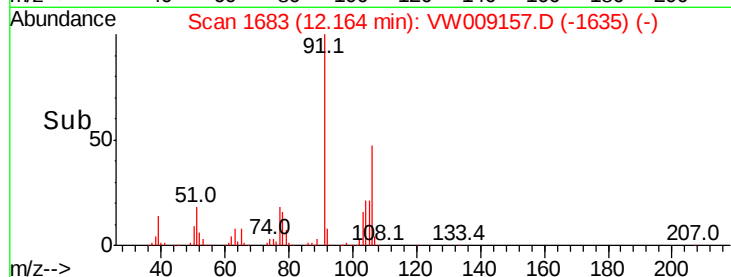
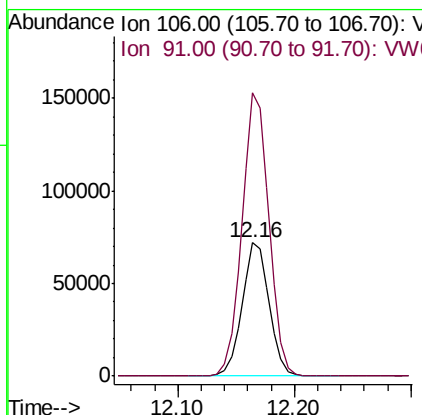
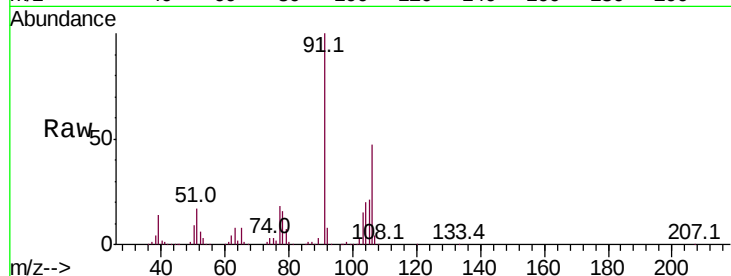




#69
o-Xylene
Concen: 20.661 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

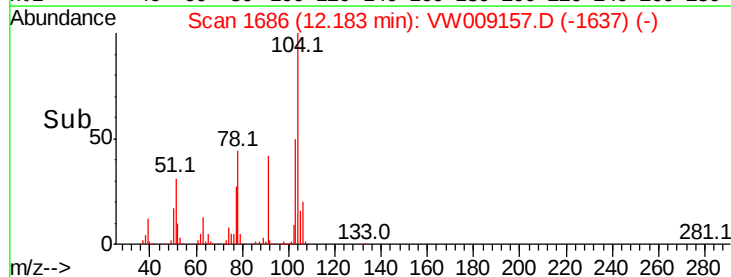
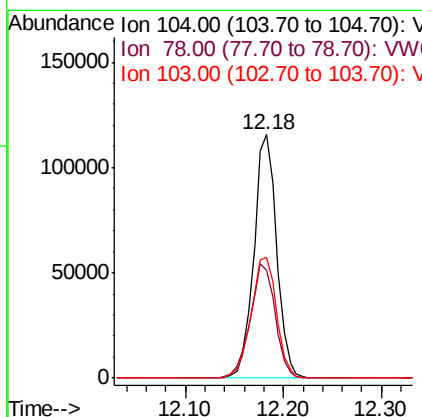
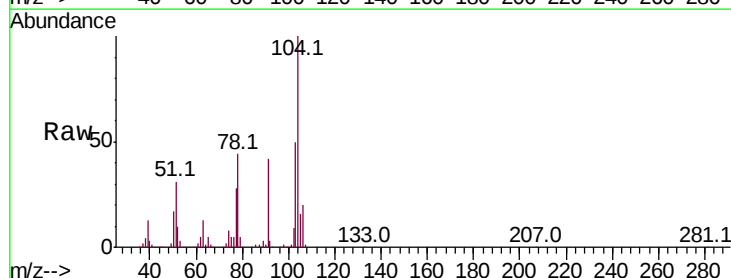
Instrument :
MSVOA_W
ClientSampleId :

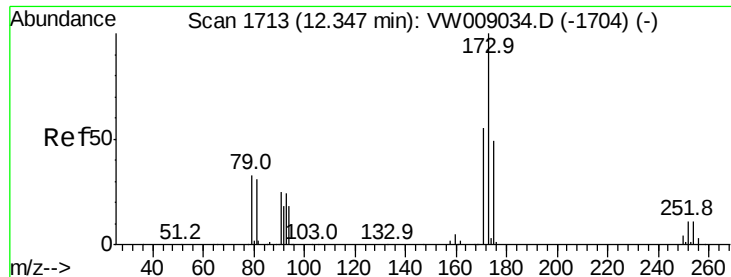
Tot Ion:106 Resp: 116010
Ion Ratio Lower Upper
106 100
91 212.0 108.6 325.6



#70
Styrene
Concen: 20.500 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion:104 Resp: 186233
Ion Ratio Lower Upper
104 100
78 51.6 42.1 63.1
103 55.6 43.9 65.9





#71

Bromoform

Concen: 20.273 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

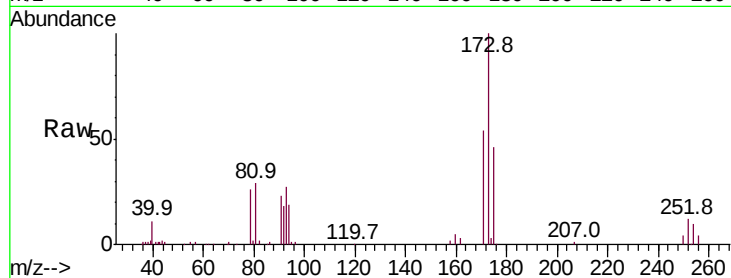
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:173 Resp: 30759

Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.0	0.0	0.0

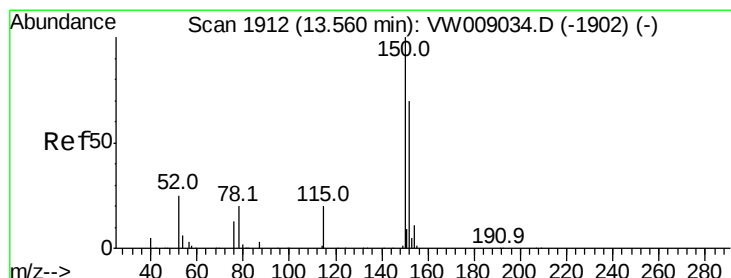
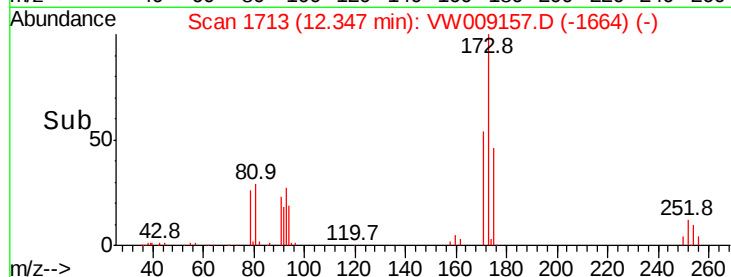
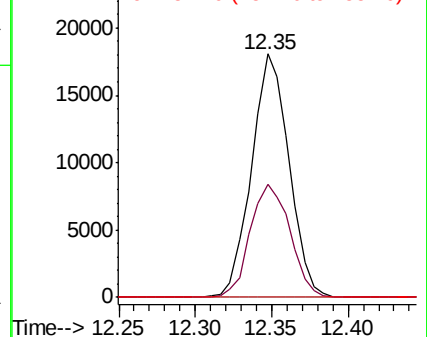


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

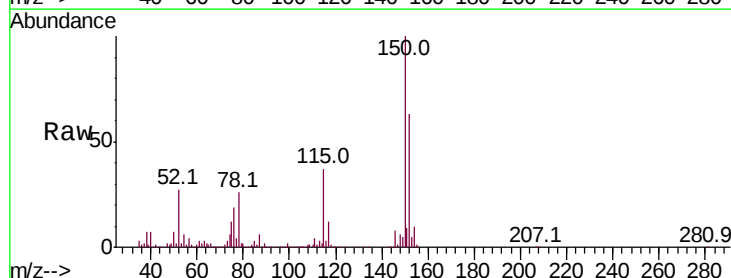
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:152 Resp: 211436

Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.9	86.7
150	165.0	0.0	349.2

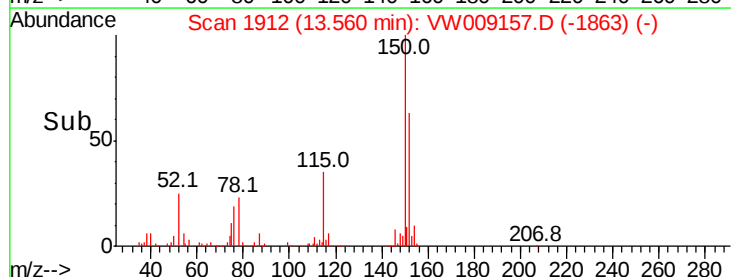
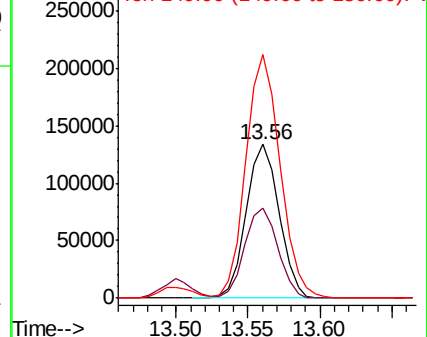


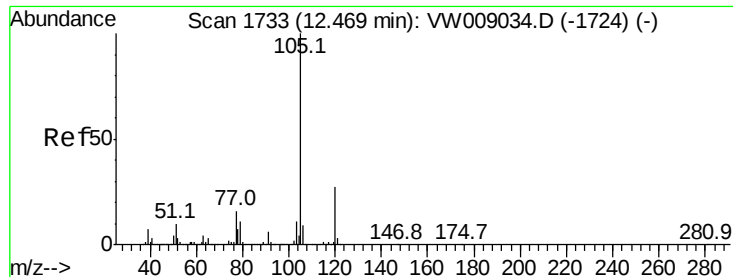
Abundance

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: 20.945 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

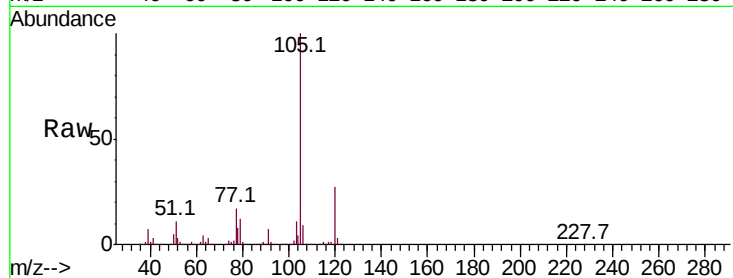
ClientSampled :

Tot Ion:105 Resp: 317137

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

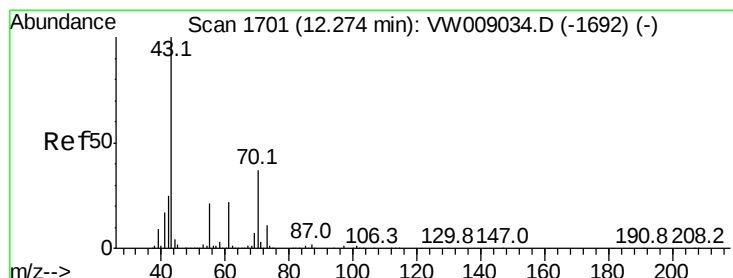
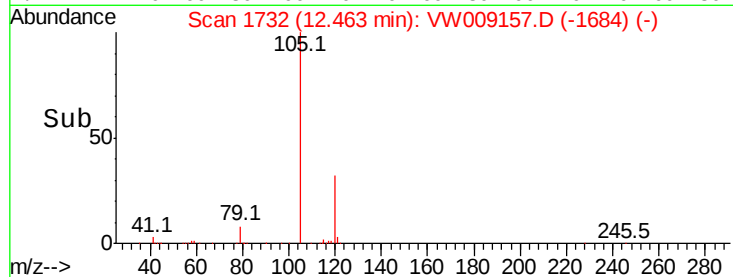
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.311 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion: 43 Resp: 76387

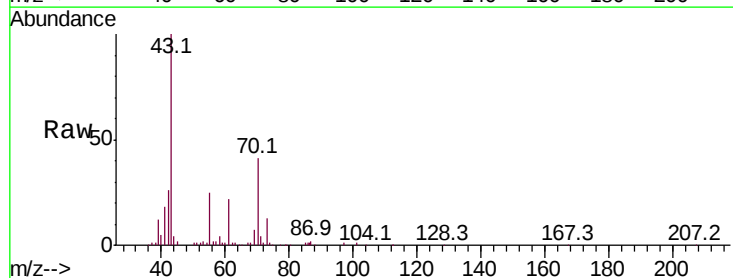
Ion Ratio Lower Upper

43 100

70 38.6 30.8 46.2

55 24.4 17.8 26.8

61 21.0 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

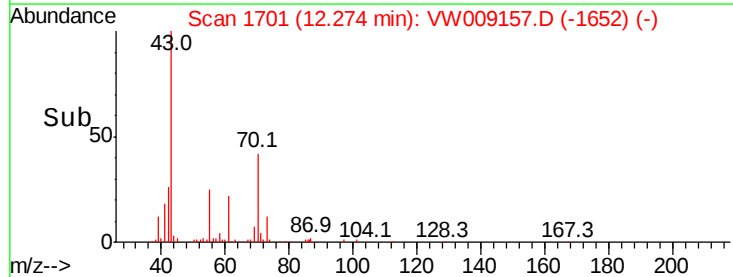
60000

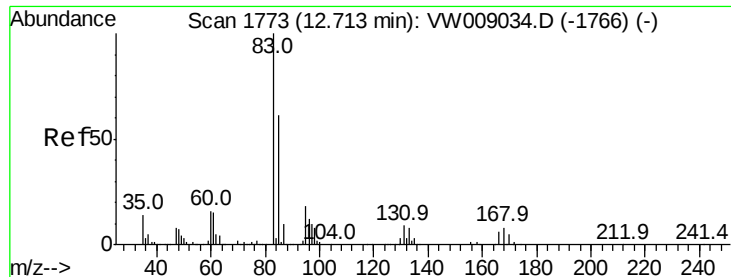
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.671 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

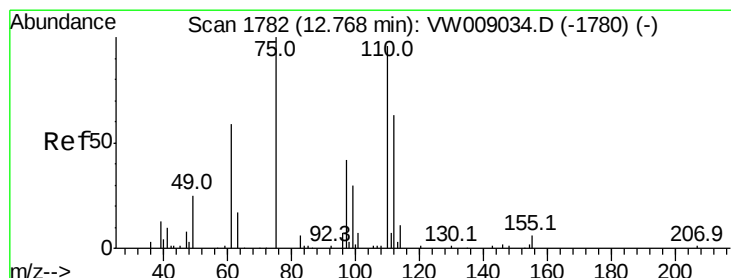
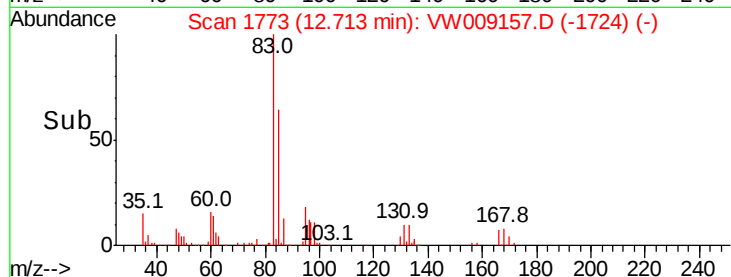
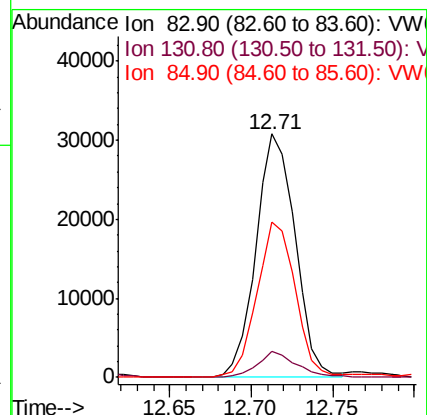
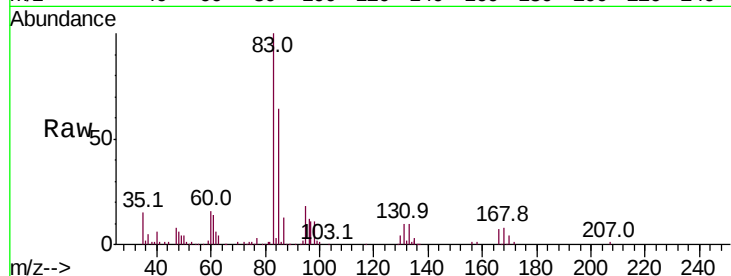
Tot Ion: 83 Resp: 51758

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.7

85 62.1 31.7 95.1



#76

1,2,3-Trichloropropane

Concen: 41.813 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009157.D

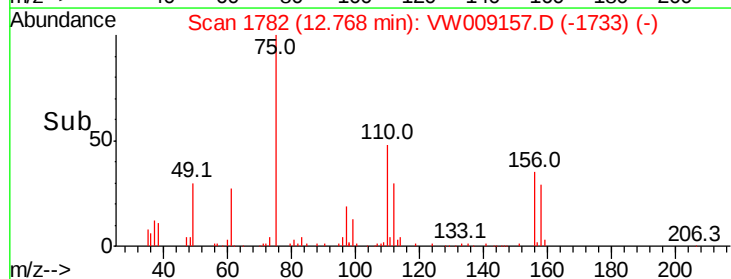
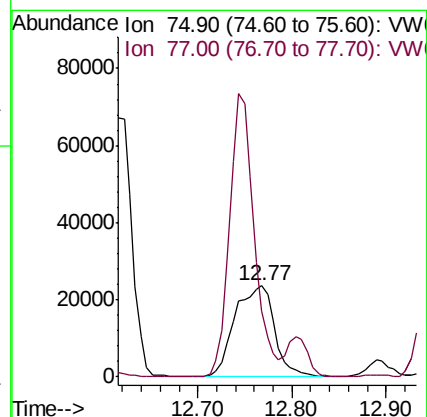
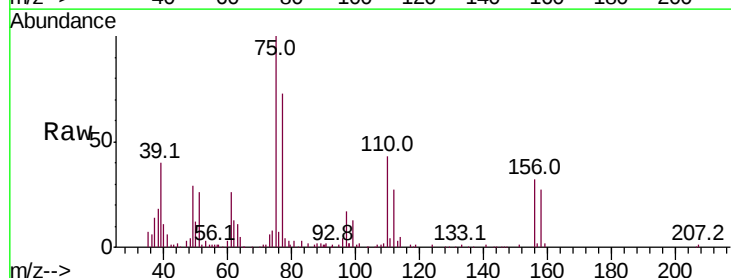
Acq: 13 Mar 2019 16:00

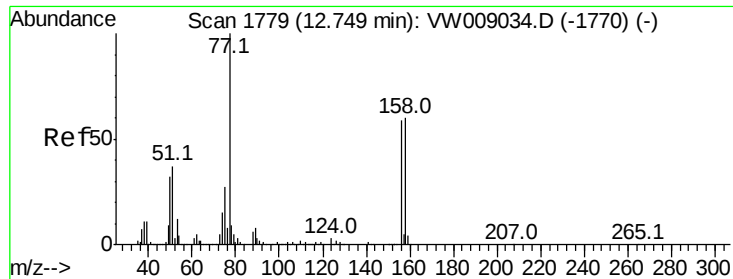
Tgt Ion: 75 Resp: 69850

Ion Ratio Lower Upper

75 100

77 0.0 186.7 560.0#





#77

Bromobenzene

Concen: 20.713 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

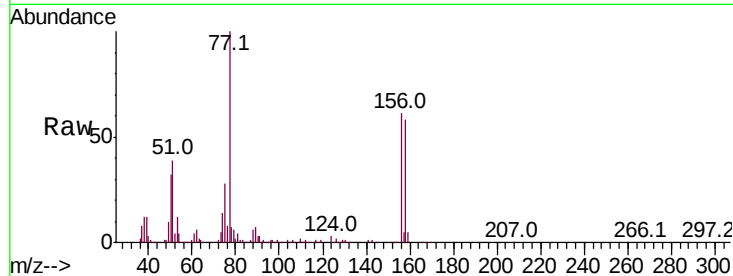
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:156 Resp: 71657

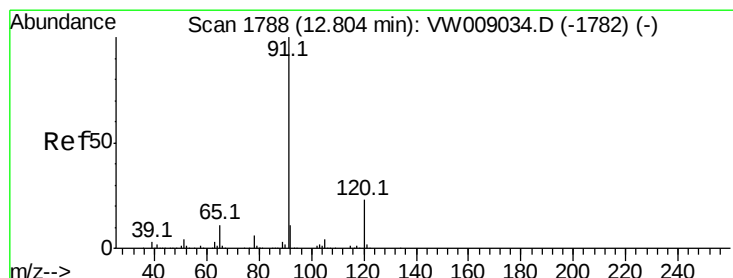
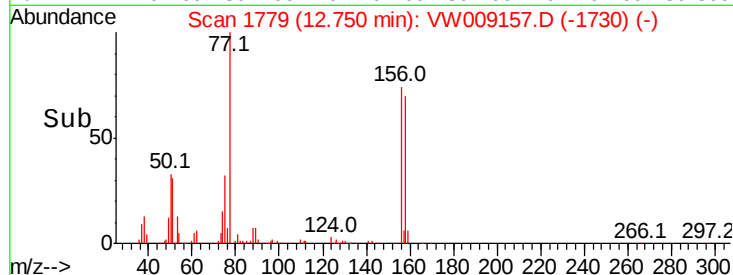
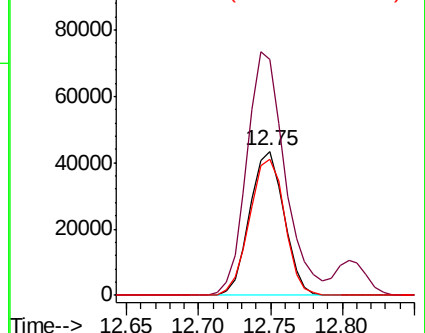
Ion	Ratio	Lower	Upper
156	100		
77	188.0	93.0	279.2
158	97.2	50.0	149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.081 ug/l

RT: 12.80 min Scan# 1788

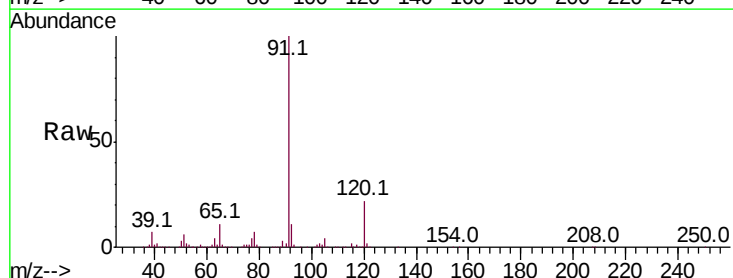
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

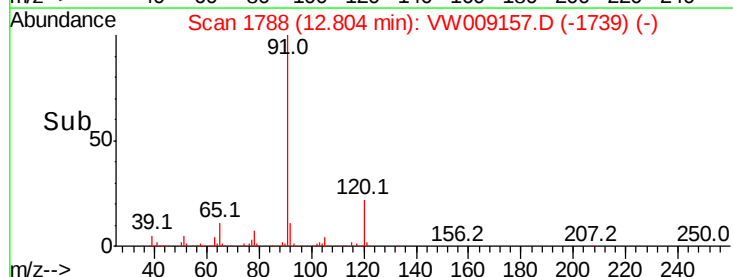
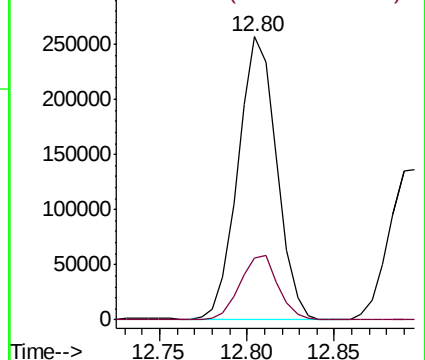
Tgt Ion: 91 Resp: 393158

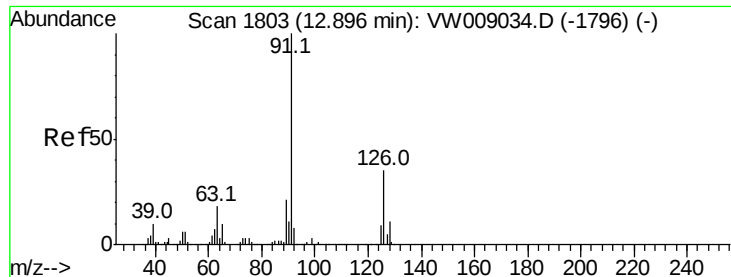
Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.203 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

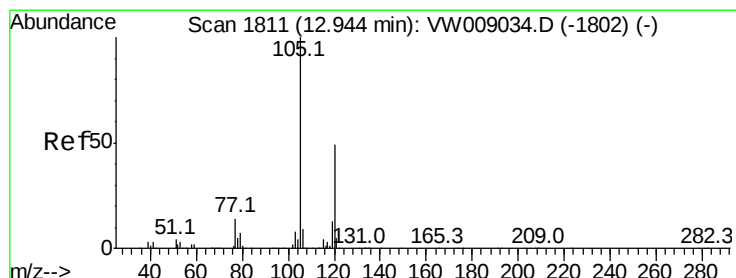
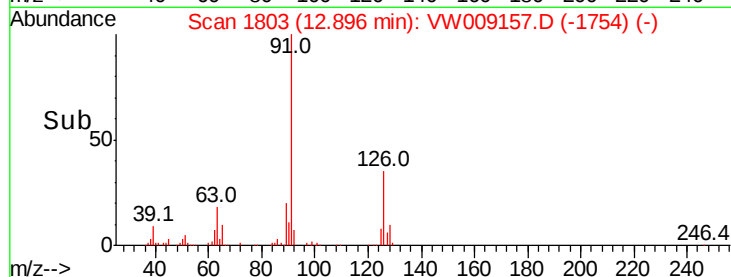
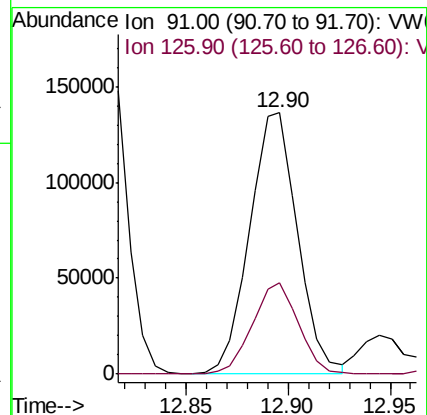
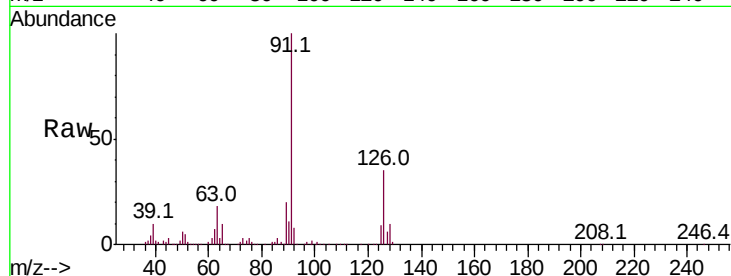
ClientSampleId :

Tot Ion: 91 Resp: 222179

Ion Ratio Lower Upper

91 100

126 33.7 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 20.553 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009157.D

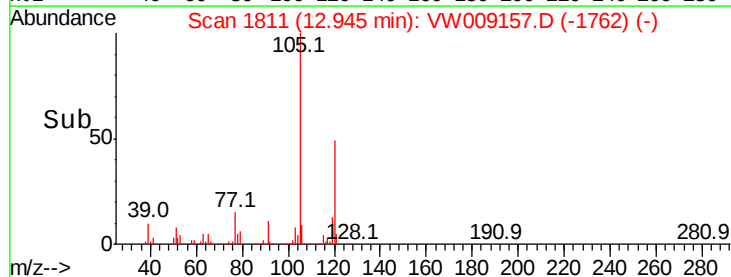
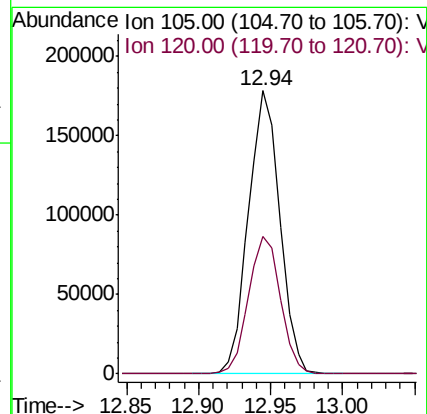
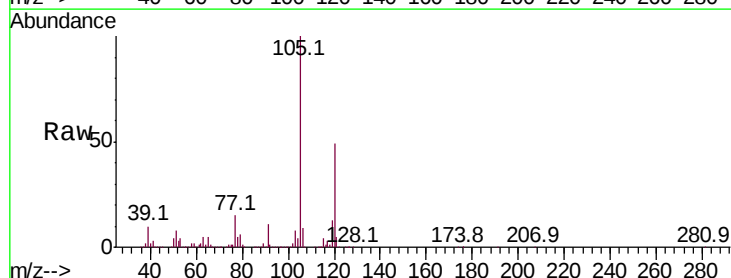
Acq: 13 Mar 2019 16:00

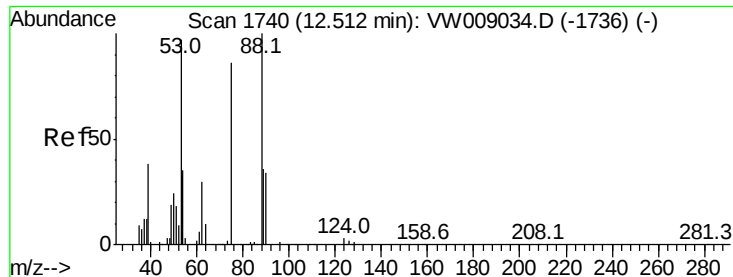
Tgt Ion:105 Resp: 268246

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.574 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

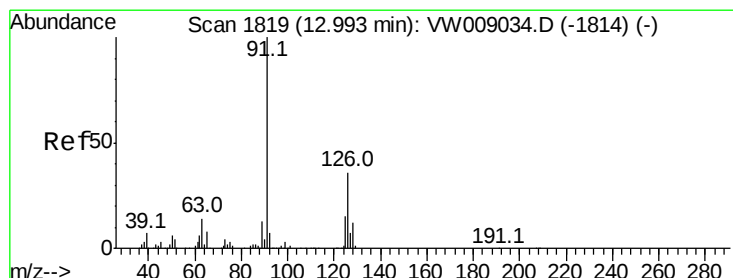
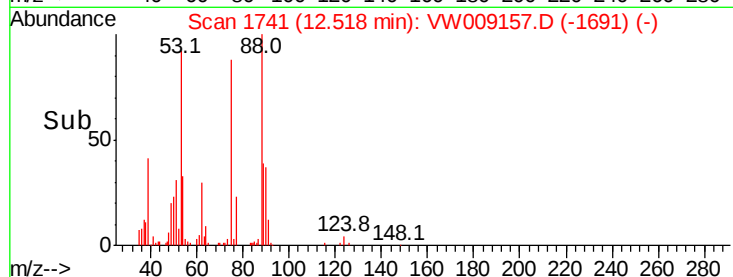
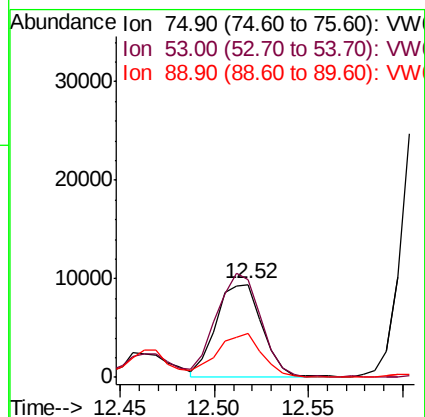
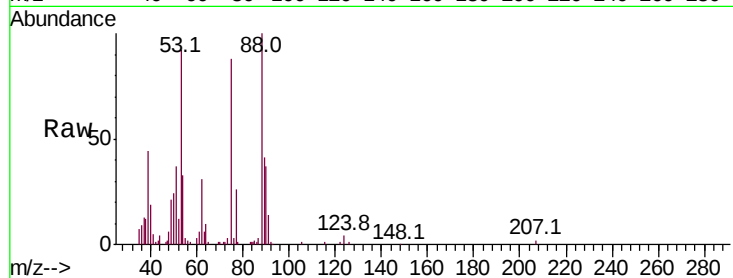
Tot Ion: 75 Resp: 16113

Ion Ratio Lower Upper

75 100

53 108.1 90.5 135.7

89 45.3 37.5 56.3



#82

4-Chlorotoluene

Concen: 20.950 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009157.D

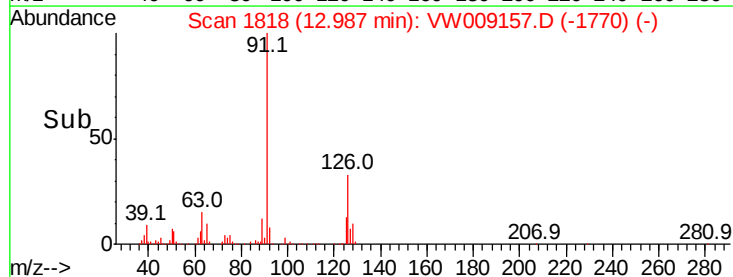
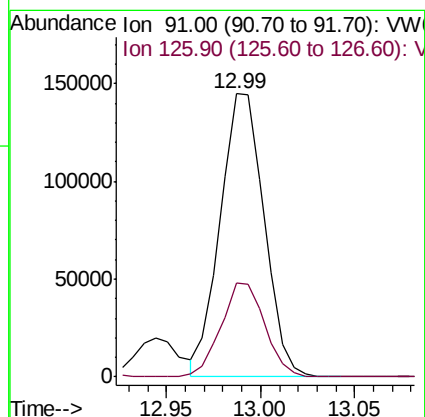
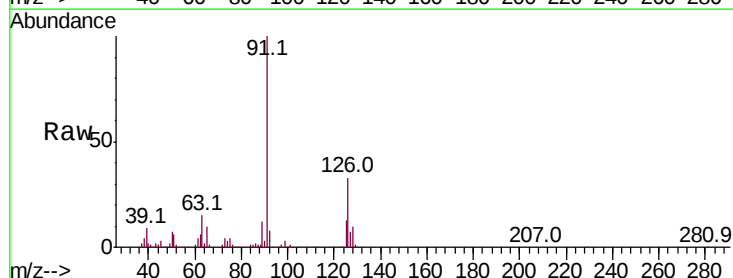
Acq: 13 Mar 2019 16:00

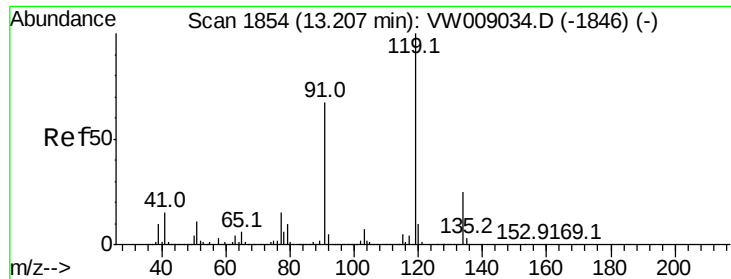
Tgt Ion: 91 Resp: 234002

Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.8

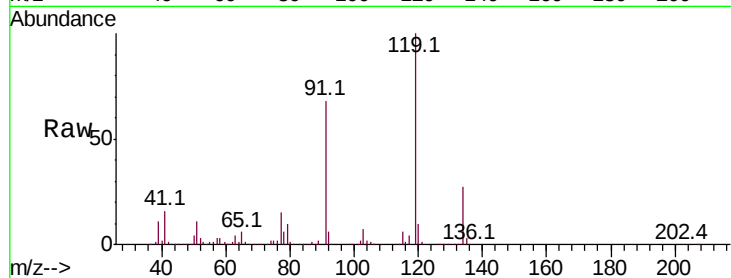




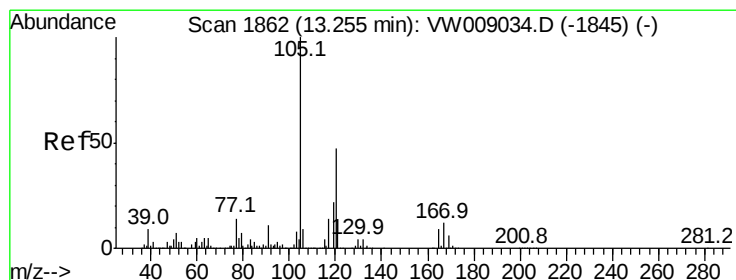
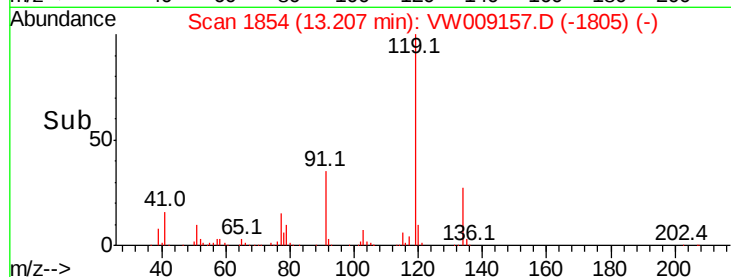
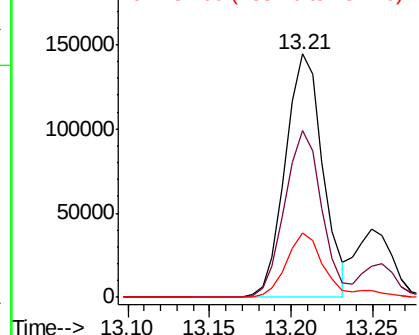
#83
tert-Butylbenzene
Concen: 20.920 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 230277
Ion Ratio Lower Upper
119 100
91 68.3 34.2 102.5
134 27.6 13.9 41.6

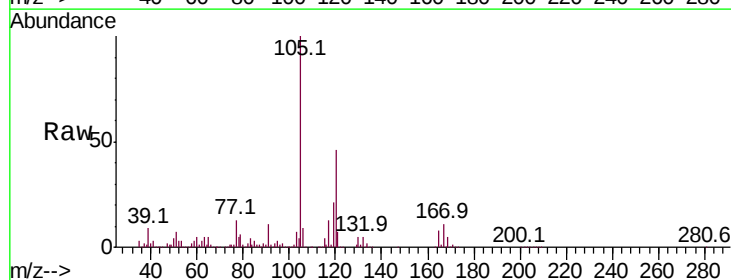


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

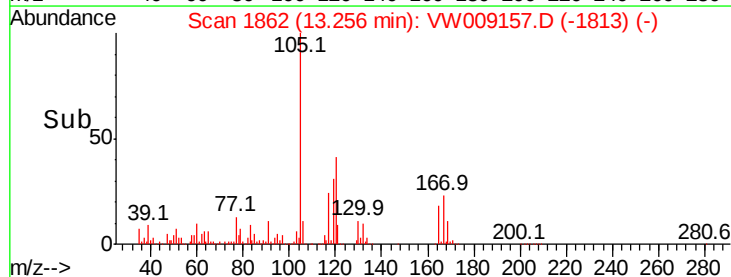
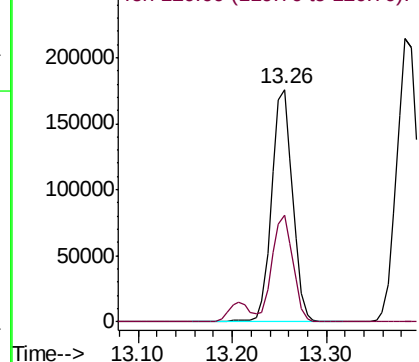


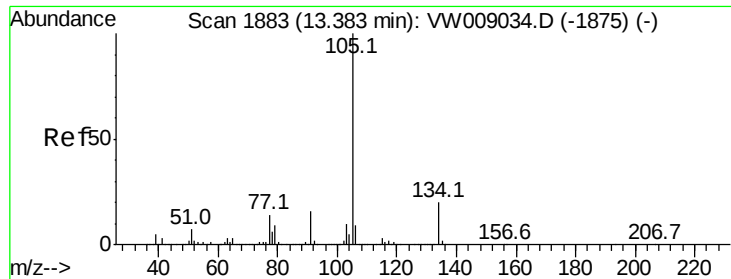
#84
1,2,4-Trimethylbenzene
Concen: 20.788 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009157.D
Acq: 13 Mar 2019 16:00

Tgt Ion:105 Resp: 274463
Ion Ratio Lower Upper
105 100
120 45.8 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

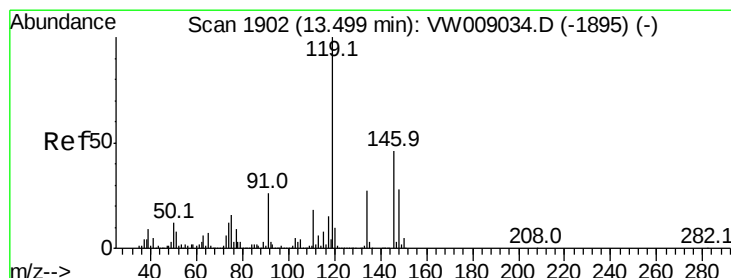
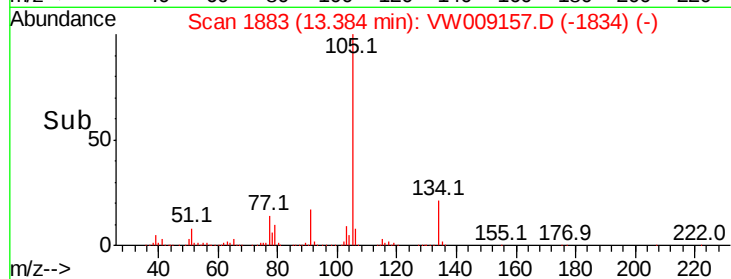
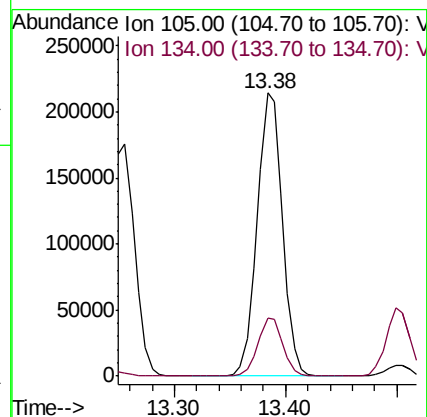
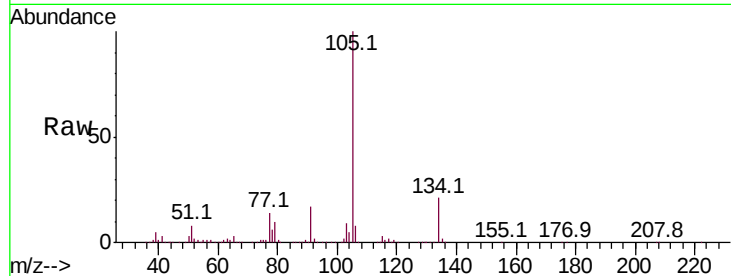




#85
 sec-Butylbenzene
 Concen: 20.772 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

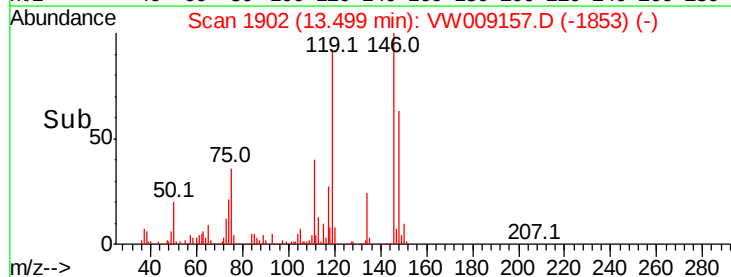
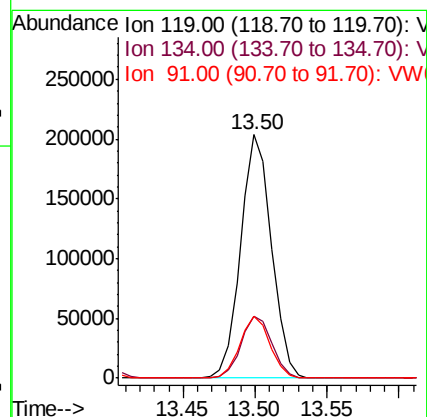
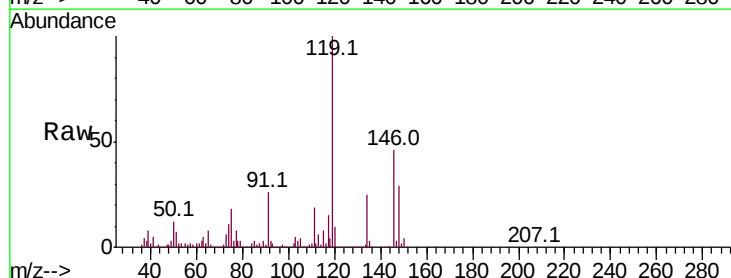
Instrument :
 MSVOA_W
 ClientSampled :

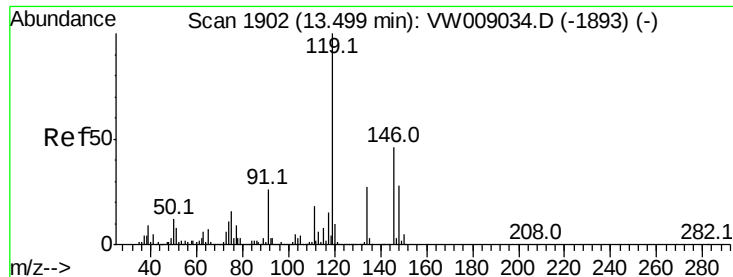
Tot Ion:105 Resp: 338772
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 20.647 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion:119 Resp: 301235
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.3 39.9
 91 25.1 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.890 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009157.D

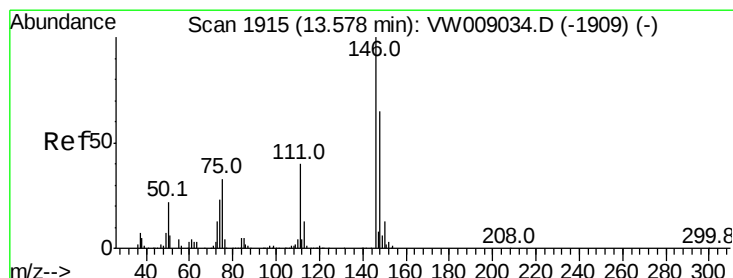
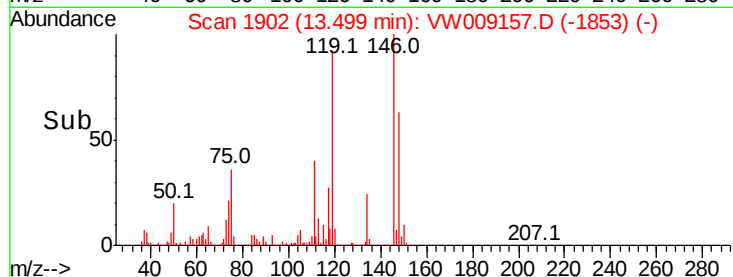
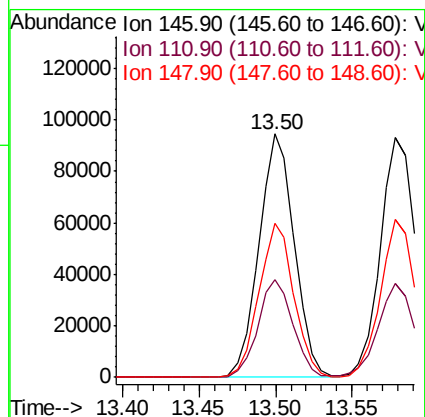
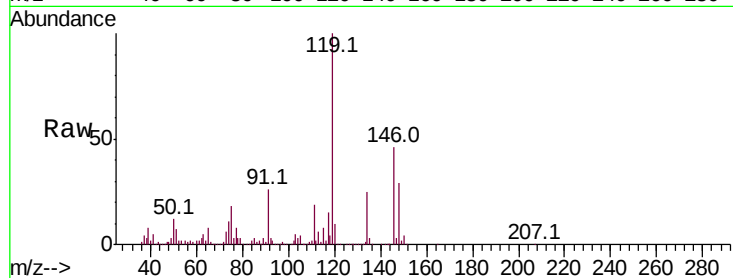
Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	151882
Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.4
148	62.6	31.6	94.8



#88

1,4-Dichlorobenzene

Concen: 20.924 ug/l

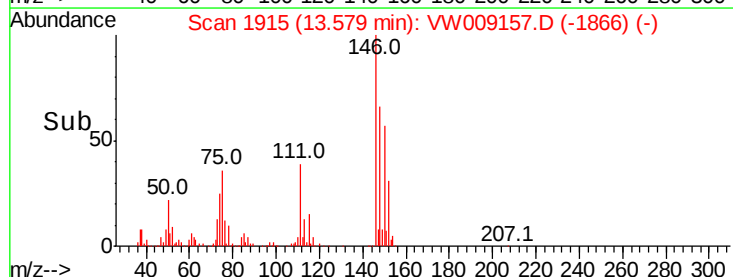
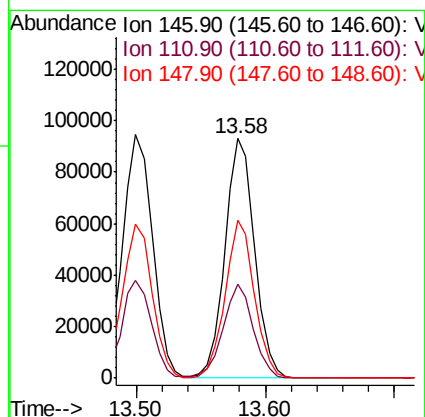
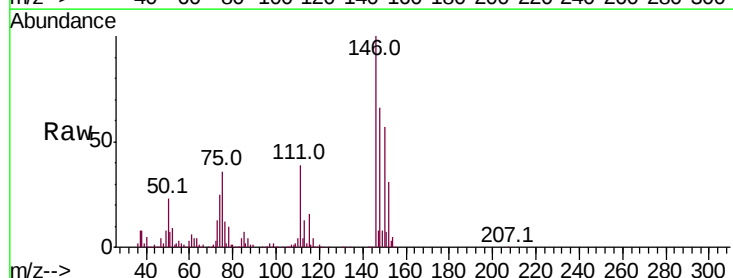
RT: 13.58 min Scan# 1915

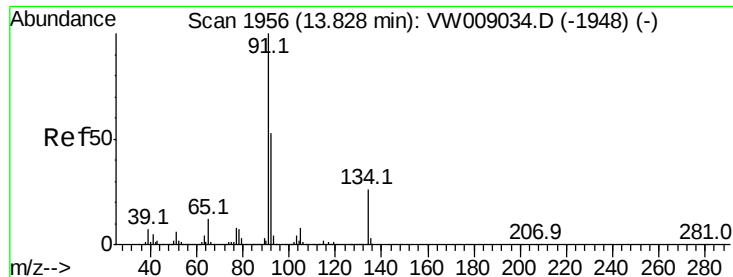
Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Tgt Ion:	146	Resp:	150342
Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.7	59.0
148	64.9	32.2	96.6





#89

n-Butylbenzene

Concen: 20.632 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampled :

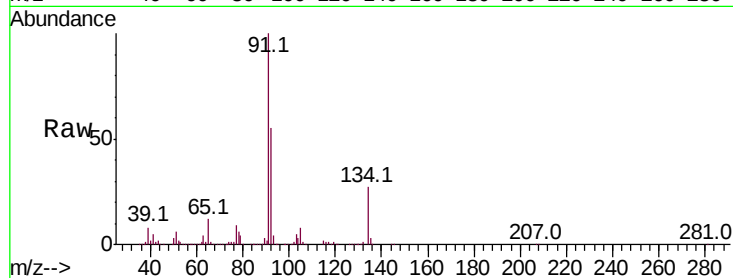
Tot Ion: 91 Resp: 286162

Ion Ratio Lower Upper

91 100

92 52.7 26.8 80.3

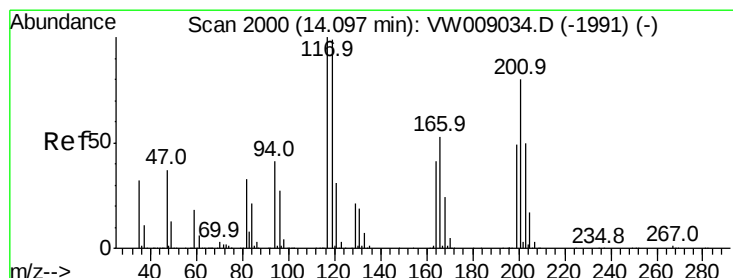
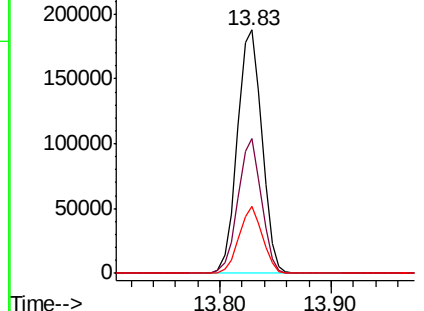
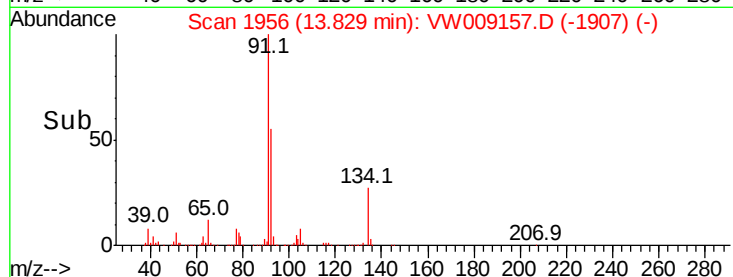
134 26.2 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.524 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009157.D

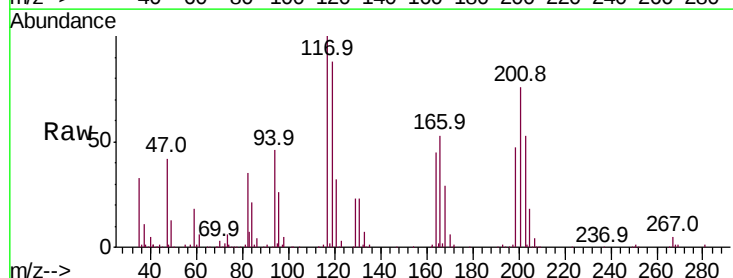
Acq: 13 Mar 2019 16:00

Tgt Ion: 117 Resp: 51643

Ion Ratio Lower Upper

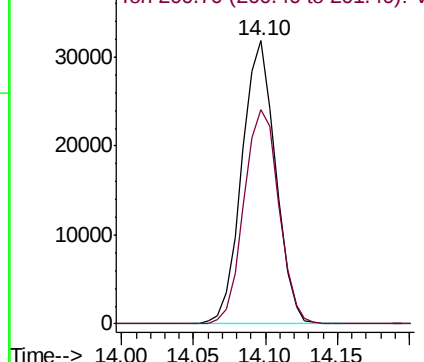
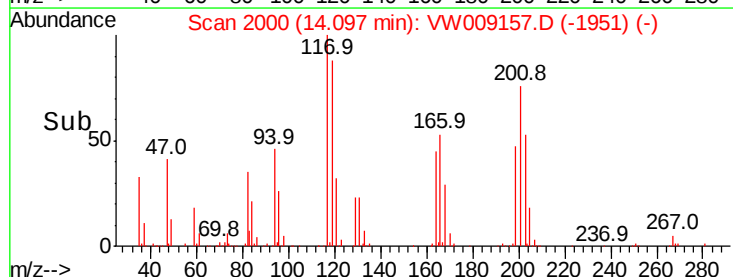
117 100

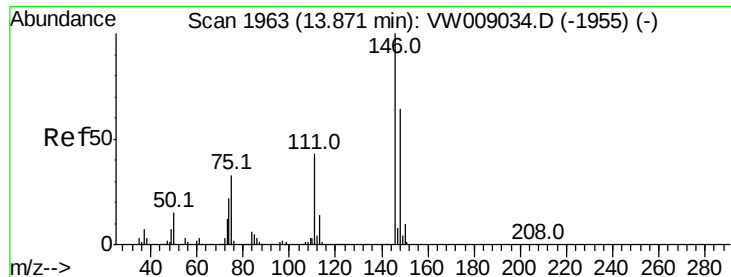
201 78.3 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

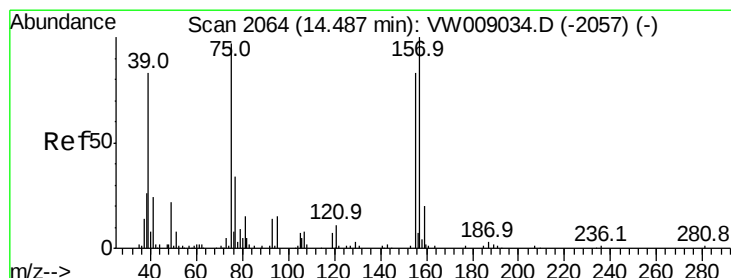
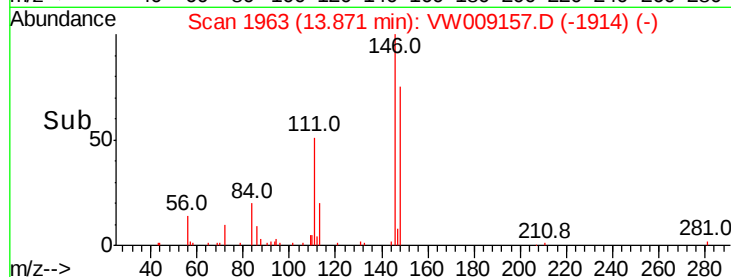
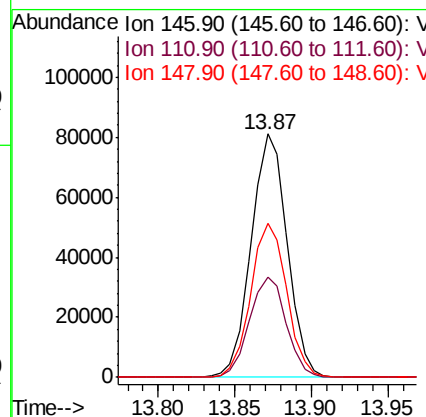
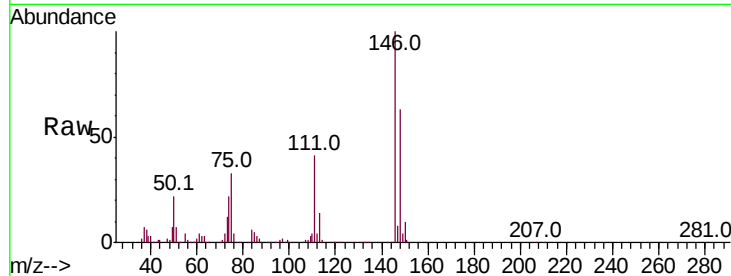




#91
 1,2-Dichlorobenzene
 Concen: 20.724 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

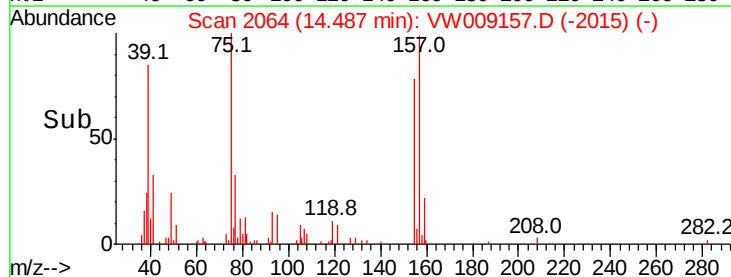
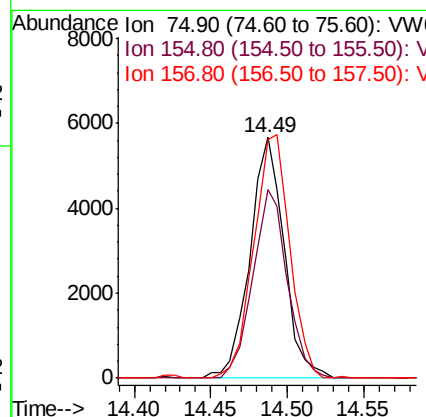
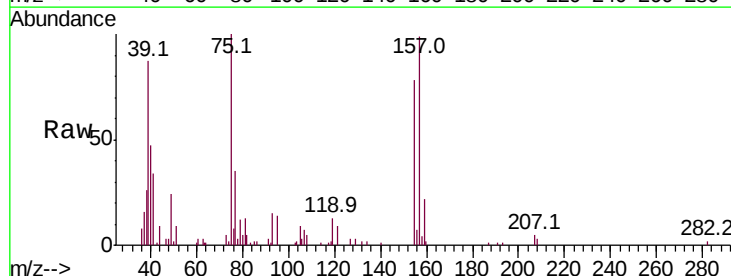
Instrument :
 MSVOA_W
 ClientSampleId :

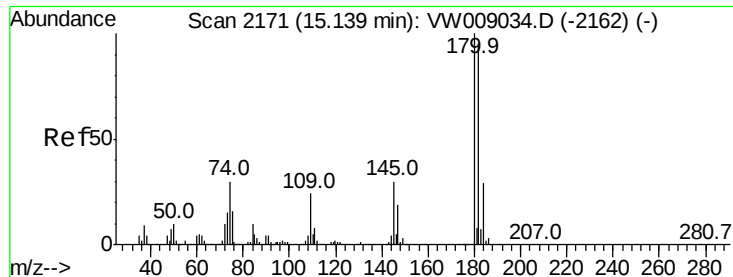
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	63.2	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.661 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	40.8	122.4
157	106.7	52.4	157.3

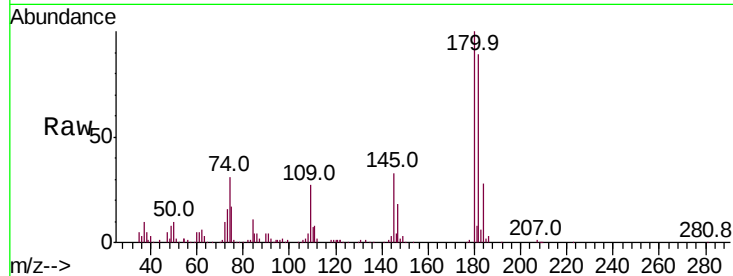




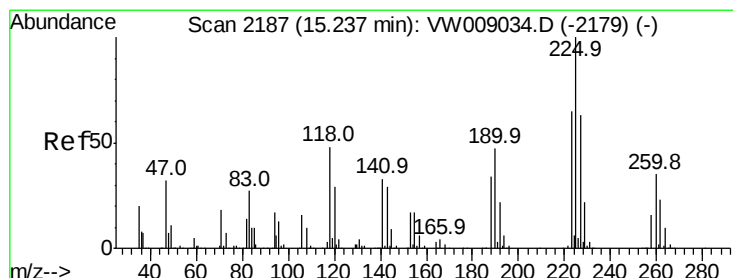
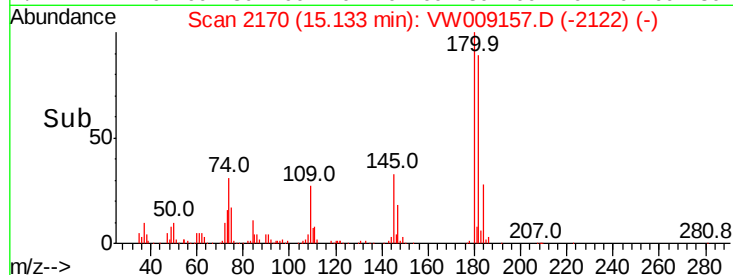
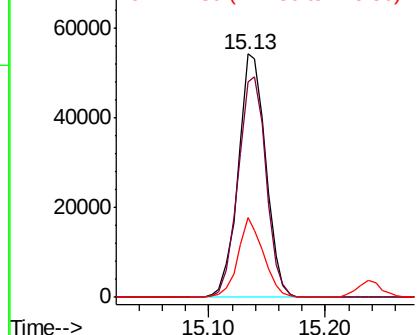
#93
 1,2,4-Trichlorobenzene
 Concen: 20.745 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	48.1	144.3
145	29.9	15.4	46.1

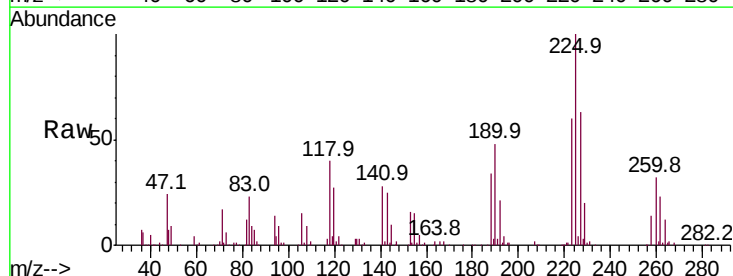


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

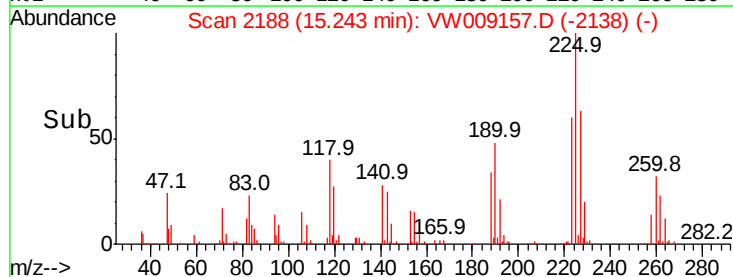
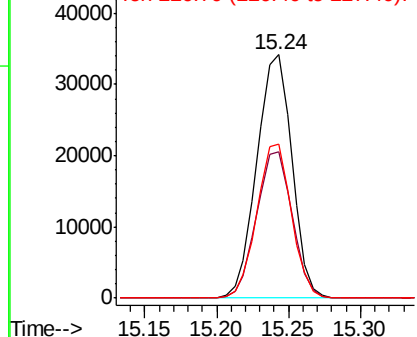


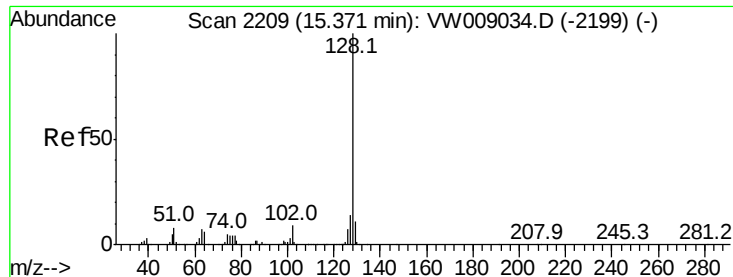
#94
 Hexachlorobutadiene
 Concen: 21.220 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009157.D
 Acq: 13 Mar 2019 16:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.6	94.8
227	62.4	32.0	96.2



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: 20.366 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

Instrument :

MSVOA_W

ClientSampled :

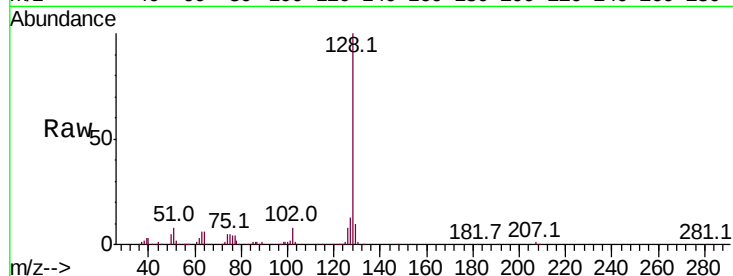
Tot Ion:128 Resp: 144427

Ion Ratio Lower Upper

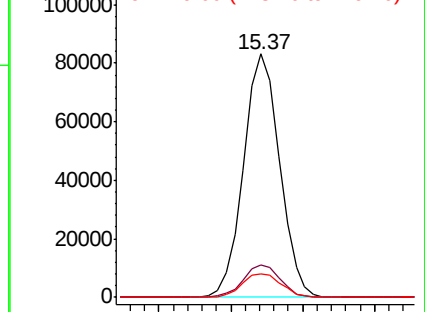
128 100

127 13.6 11.0 16.6

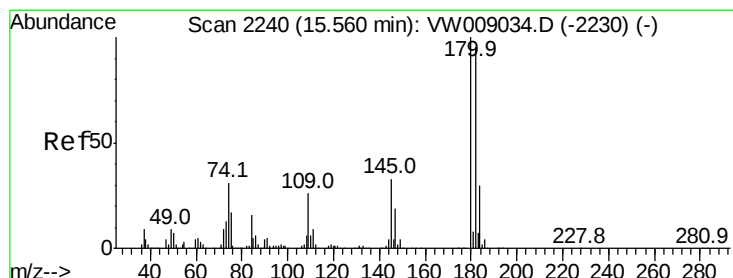
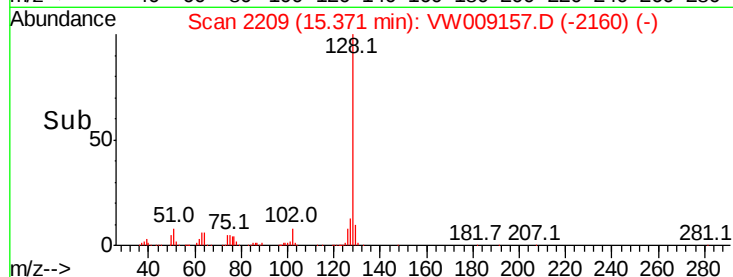
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.065 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009157.D

Acq: 13 Mar 2019 16:00

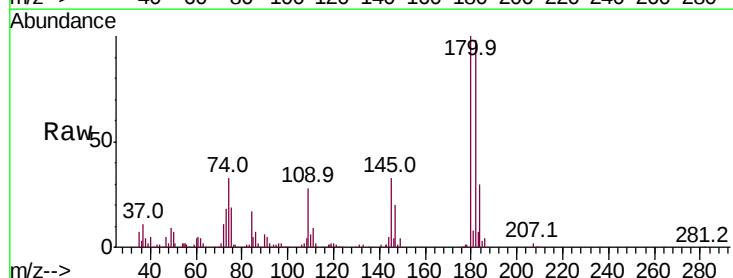
Tgt Ion:180 Resp: 76436

Ion Ratio Lower Upper

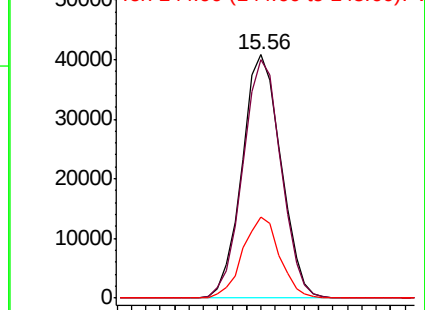
180 100

182 96.2 48.1 144.3

145 31.5 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

