

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011980.D
 Acq On : 19 Aug 2019 10:22
 Operator : SY/VA
 Sample : VW0819SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 11:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	248603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167949	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146761	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.88	113	123728	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	10.32	98	507374	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
62) 4-Bromofluorobenzene	12.62	95	178596	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28735	20.740	ug/l	94
3) Chloromethane	2.21	50	48936	20.369	ug/l	99
4) Vinyl Chloride	2.36	62	60718	20.992	ug/l	98
5) Bromomethane	2.78	94	30424	19.003	ug/l	99
6) Chloroethane	2.92	64	33398	20.214	ug/l	99
7) Trichlorofluoromethane	3.25	101	28753	22.243	ug/l	99
8) Diethyl Ether	3.68	74	27416	18.706	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50954	20.779	ug/l	100
10) Methyl Iodide	4.28	142	67978	19.617	ug/l	99
11) Tert butyl alcohol	5.17	59	17194	68.682	ug/l	98
12) 1,1-Dichloroethene	4.04	96	51356	19.836	ug/l	94
13) Acrolein	3.90	56	12698	61.993	ug/l	97
14) Allyl chloride	4.67	41	105242	19.111	ug/l	99
15) Acrylonitrile	5.37	53	67585	92.376	ug/l	99
16) Acetone	4.12	43	66382	73.103	ug/l	97
17) Carbon Disulfide	4.39	76	154303	19.042	ug/l	100
18) Methyl Acetate	4.67	43	37100	18.187	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	79965	19.463	ug/l	96
20) Methylene Chloride	4.92	84	57675	18.416	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	53767	19.262	ug/l	99
22) Diisopropyl ether	6.31	45	197348	19.008	ug/l	98
23) Vinyl Acetate	6.26	43	604389	92.645	ug/l	100
24) 1,1-Dichloroethane	6.21	63	107185	19.277	ug/l	99
25) 2-Butanone	7.17	43	97425	81.992	ug/l	96
26) 2,2-Dichloropropane	7.17	77	62402	18.248	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59160	19.257	ug/l	97
28) Bromochloromethane	7.51	49	51604	20.909	ug/l	96
29) Tetrahydrofuran	7.53	42	60898	89.662	ug/l	98
30) Chloroform	7.68	83	97902	19.085	ug/l	100
31) Cyclohexane	7.95	56	105503	19.766	ug/l	# 95
32) 1,1,1-Trichloroethane	7.87	97	78720	20.150	ug/l	99
36) 1,1-Dichloropropene	8.09	75	82931	19.842	ug/l	98
37) Ethyl Acetate	7.25	43	43263	17.992	ug/l	99
38) Carbon Tetrachloride	8.07	117	71888	20.092	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94083	20.443	ug/l	98
40) Benzene	8.32	78	226699	19.364	ug/l	100
41) Methacrylonitrile	7.48	41	25747	17.912	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68970	18.817	ug/l	99
43) Isopropyl Acetate	8.42	43	81270	18.378	ug/l	100
44) Trichloroethene	9.09	130	56504	20.081	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61693	19.695	ug/l	97
46) Dibromomethane	9.46	93	27504	19.238	ug/l	99
47) Bromodichloromethane	9.65	83	70995	18.931	ug/l	98
48) Methyl methacrylate	9.43	41	39129	18.420	ug/l	97
49) 1,4-Dioxane	9.45	88	7922	382.684	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	206619	89.826	ug/l	99
52) Toluene	10.39	92	139485	19.729	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73491	18.759	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	87418	18.767	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	38471	18.965	ug/l	99
56) Ethyl methacrylate	10.65	69	55453	18.681	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73331	19.108	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143154	106.216	ug/l	99
59) 2-Hexanone	10.97	43	145343	89.491	ug/l	98
60) Dibromochloromethane	11.13	129	42980	19.088	ug/l	99
61) 1,2-Dibromoethane	11.24	107	35669	18.581	ug/l	98
64) Tetrachloroethene	10.86	164	46109	20.420	ug/l	97
65) Chlorobenzene	11.66	112	137663	19.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	48424	19.939	ug/l	98
67) Ethyl Benzene	11.73	91	268099	20.189	ug/l	99
68) m/p-Xylenes	11.84	106	194017	40.175	ug/l	100
69) o-Xylene	12.16	106	90857	20.246	ug/l	100
70) Styrene	12.18	104	155856	20.087	ug/l	99
71) Bromoform	12.35	173	23879	19.284	ug/l #	97
73) Isopropylbenzene	12.46	105	255061	20.357	ug/l	99
74) N-amyl acetate	12.27	43	75029	19.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46006	19.521	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	60452	34.017	ug/l #	100
77) Bromobenzene	12.74	156	55507	20.043	ug/l	99
78) n-propylbenzene	12.80	91	312288	20.480	ug/l	100
79) 2-Chlorotoluene	12.89	91	174562	19.871	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	214663	20.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15156	19.655	ug/l	98
82) 4-Chlorotoluene	12.99	91	183159	19.872	ug/l	99
83) tert-Butylbenzene	13.21	119	183289	20.869	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	216971	20.508	ug/l	100
85) sec-Butylbenzene	13.38	105	263724	21.044	ug/l	100
86) p-Isopropyltoluene	13.50	119	234897	20.658	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108301	19.944	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	106730	19.759	ug/l	99
89) n-Butylbenzene	13.82	91	232031	20.448	ug/l	99
90) Hexachloroethane	14.09	117	41055	20.419	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	94637	19.705	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7492	18.642	ug/l	99

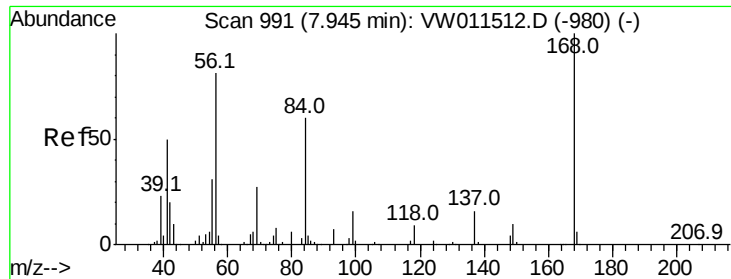
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
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ClientSampleId :

Quant Time: Aug 19 11:02:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66370	19.608	ug/l	99
94) Hexachlorobutadiene	15.24	225	44315	20.994	ug/l	99
95) Naphthalene	15.36	128	112884	18.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	56579	19.070	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

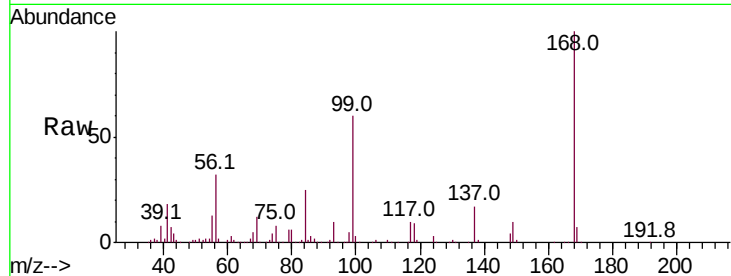
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 248603

Ion Ratio Lower Upper

168 100

99 59.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

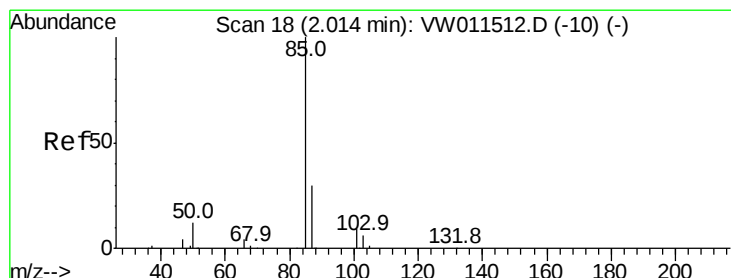
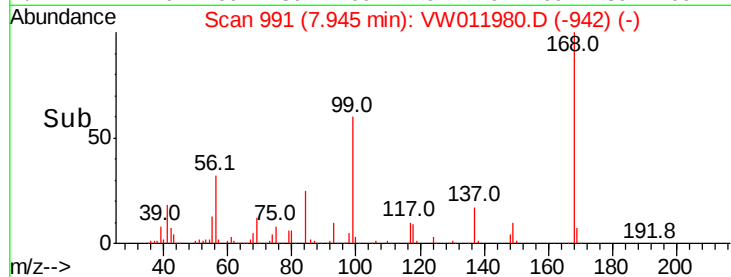
40000

20000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 20.740 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011980.D

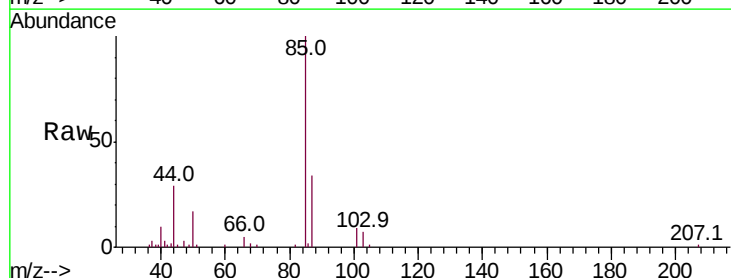
Acq: 19 Aug 2019 10:22

Tgt Ion: 85 Resp: 28735

Ion Ratio Lower Upper

85 100

87 33.7 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

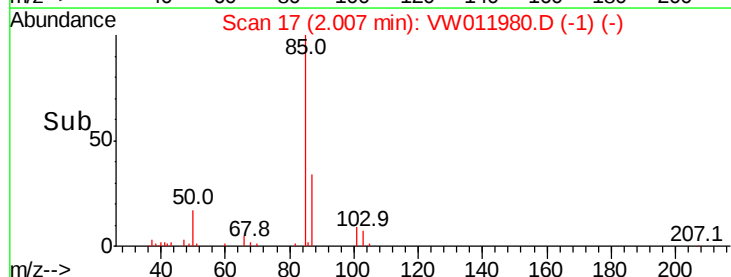
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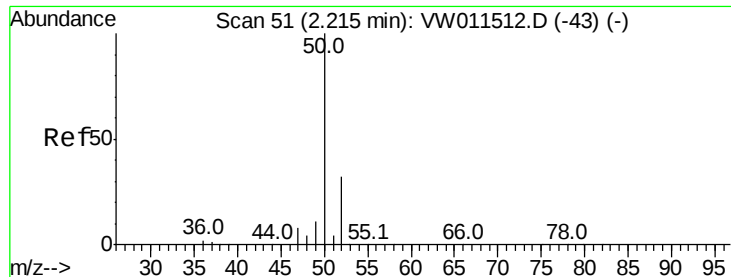
2000

0

Time-->

1.90 2.00 2.10





#3

Chloromethane

Concen: 20.369 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

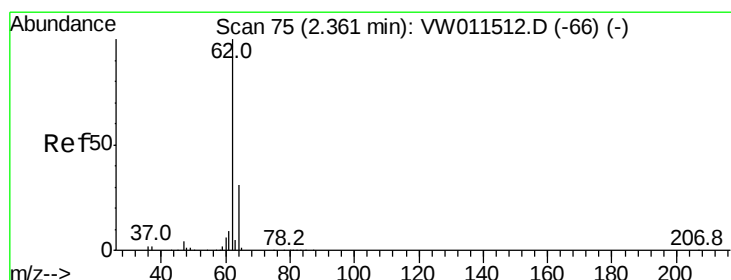
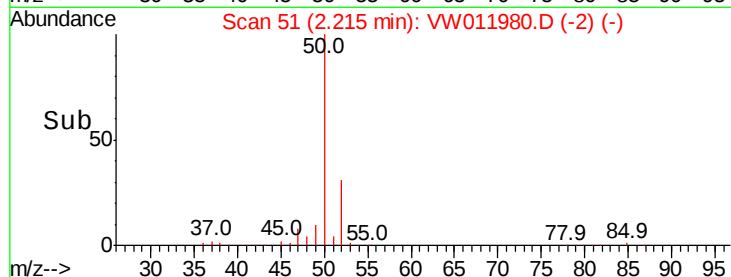
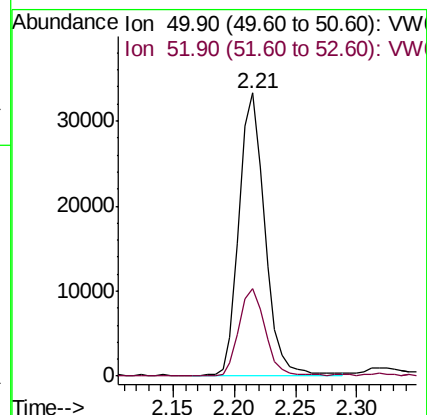
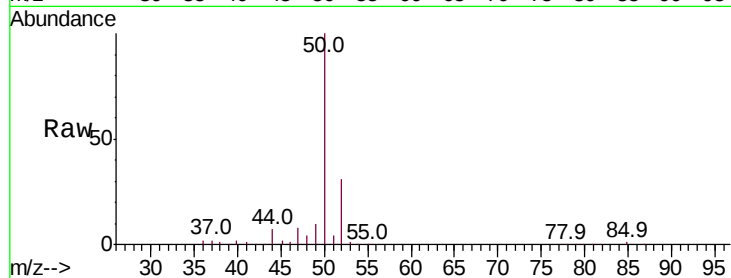
ClientSampleId :

Tot Ion: 50 Resp: 48936

Ion Ratio Lower Upper

50 100

52 31.0 25.4 38.2



#4

Vinyl Chloride

Concen: 20.992 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011980.D

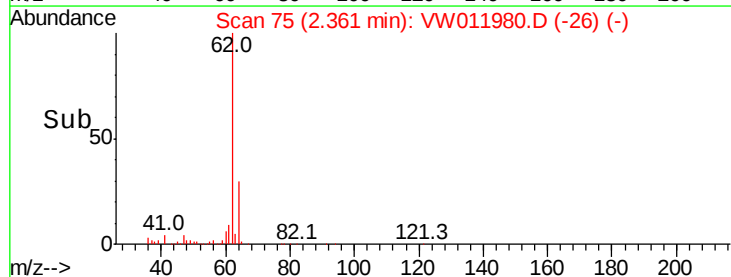
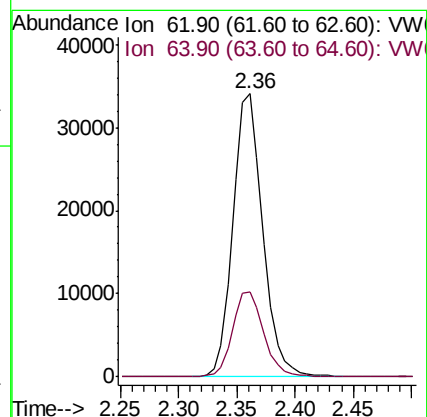
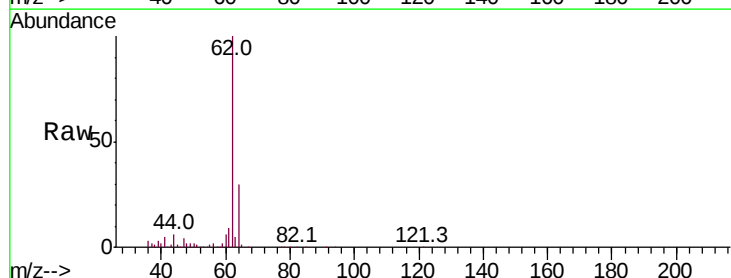
Acq: 19 Aug 2019 10:22

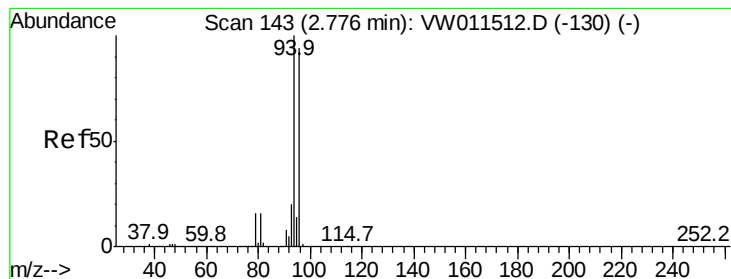
Tgt Ion: 62 Resp: 60718

Ion Ratio Lower Upper

62 100

64 30.1 25.0 37.4





#5

Bromomethane

Concen: 19.003 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

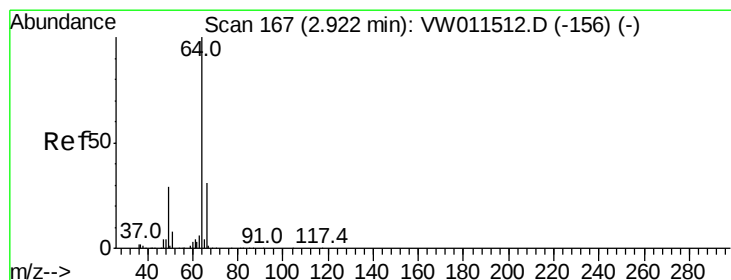
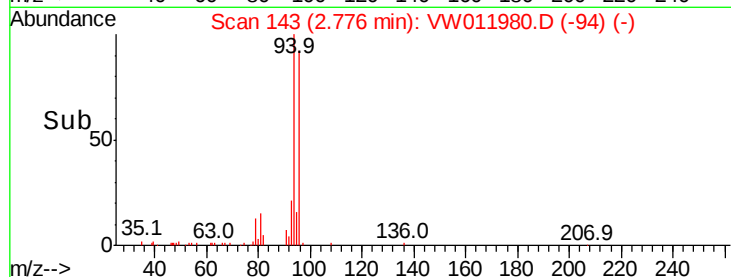
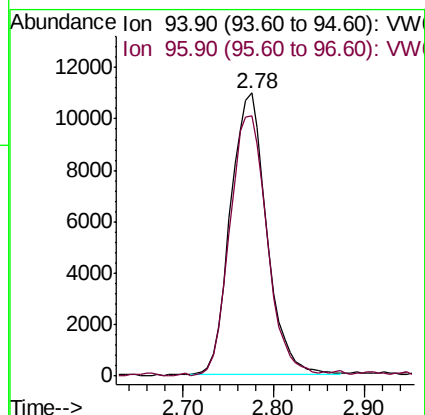
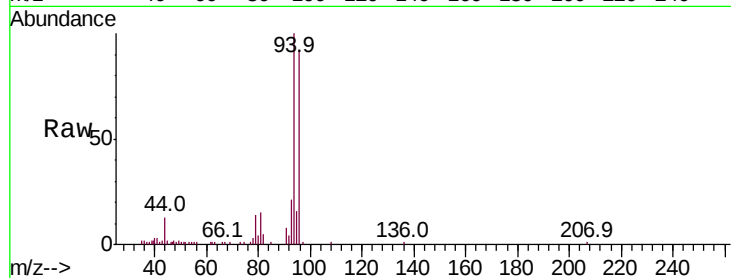
ClientSampleId :

Tot Ion: 94 Resp: 30424

Ion Ratio Lower Upper

94 100

96 92.7 75.0 112.6



#6

Chloroethane

Concen: 20.214 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW011980.D

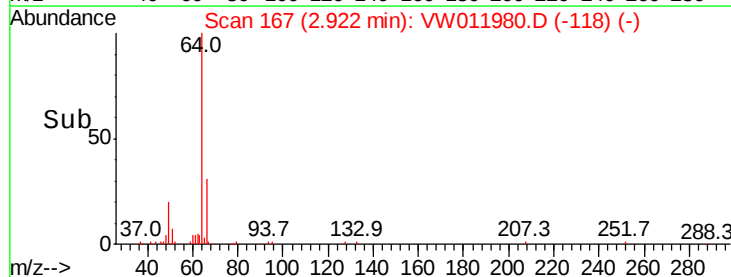
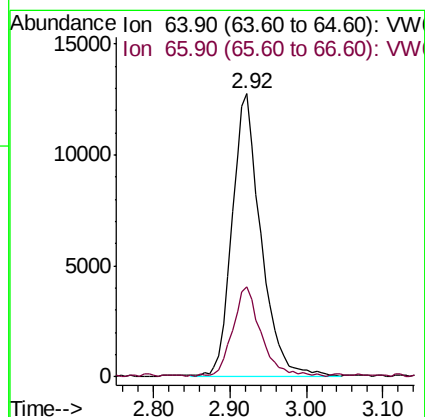
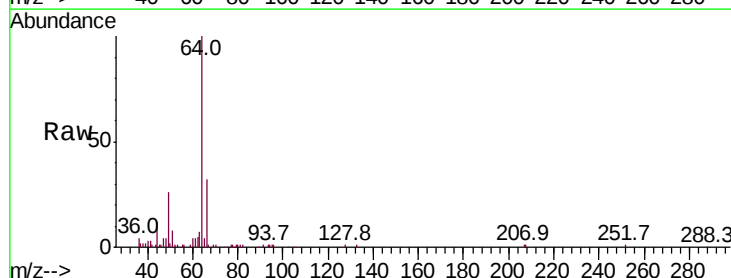
Acq: 19 Aug 2019 10:22

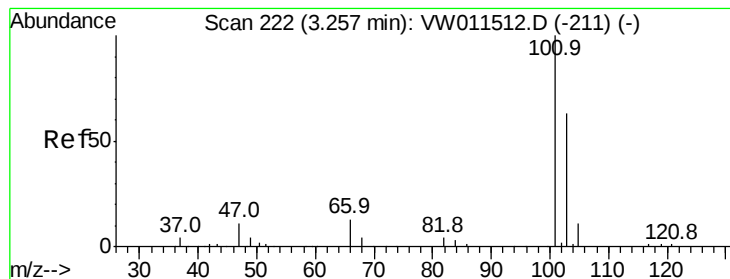
Tgt Ion: 64 Resp: 33398

Ion Ratio Lower Upper

64 100

66 31.4 24.6 36.8



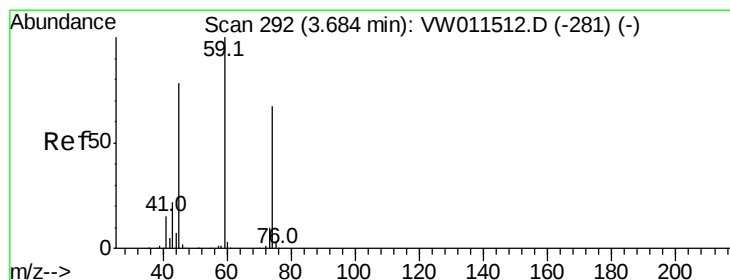
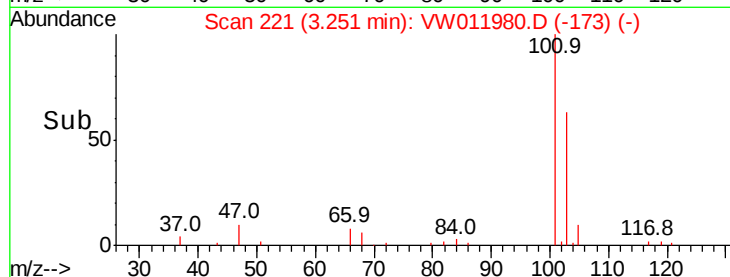
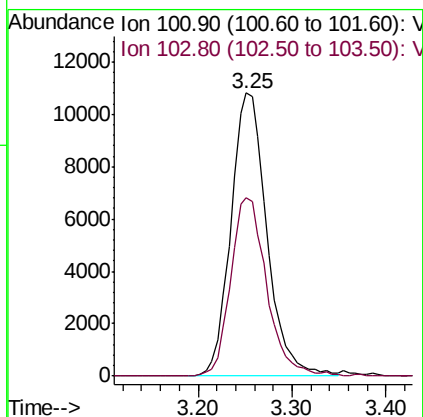
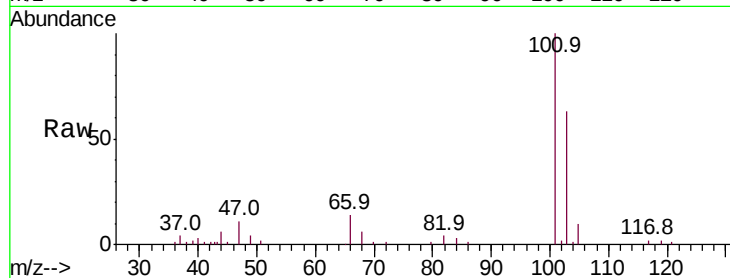


#7

Trichlorofluoromethane
 Concen: 22.243 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Instrument :
 MSVOA_W
 ClientSampled :

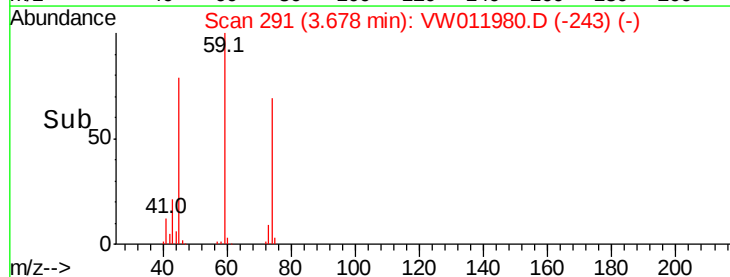
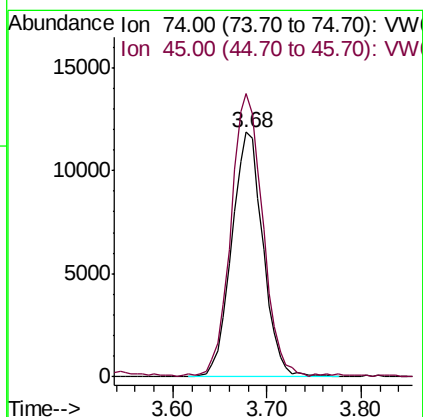
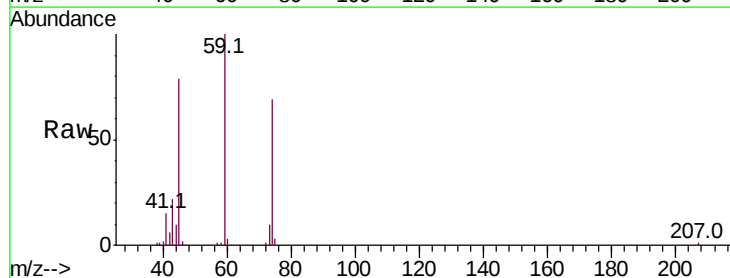
Tot Ion:101 Resp: 28753
 Ion Ratio Lower Upper
 101 100
 103 63.2 50.2 75.4

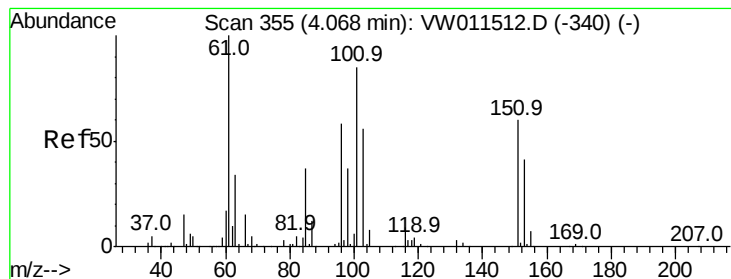


#8

Diethyl Ether
 Concen: 18.706 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion: 74 Resp: 27416
 Ion Ratio Lower Upper
 74 100
 45 118.2 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.779 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

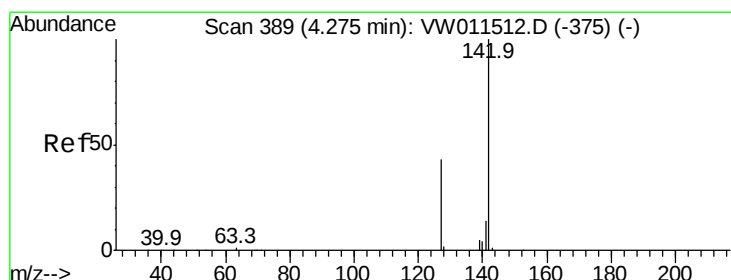
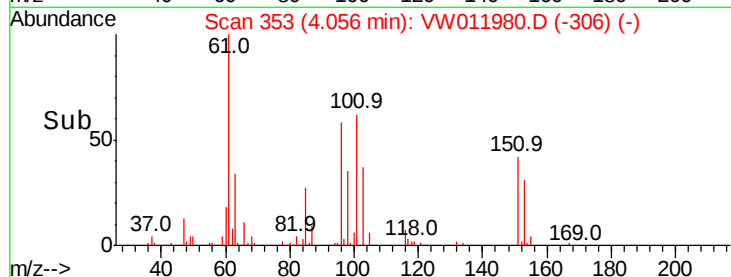
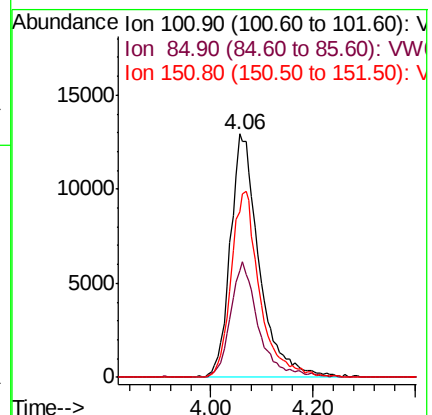
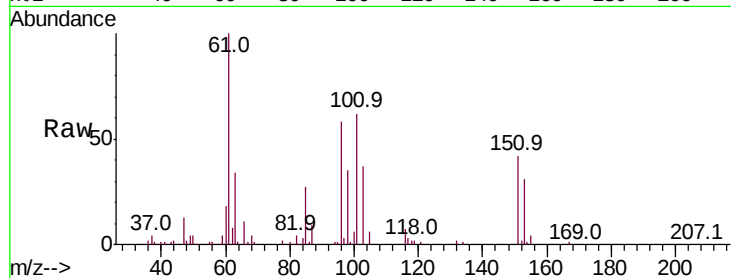
Tot Ion:101 Resp: 50954

Ion Ratio Lower Upper

101 100

85 45.3 36.6 54.8

151 75.3 60.2 90.2



#10

Methyl Iodide

Concen: 19.617 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

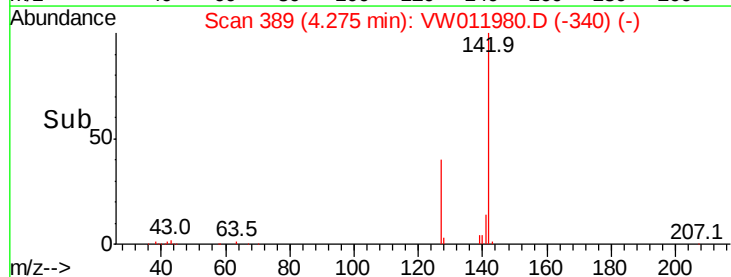
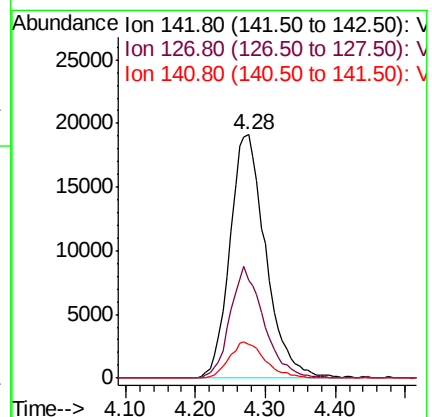
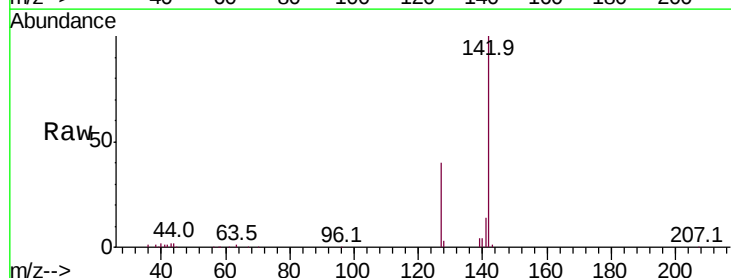
Tgt Ion:142 Resp: 67978

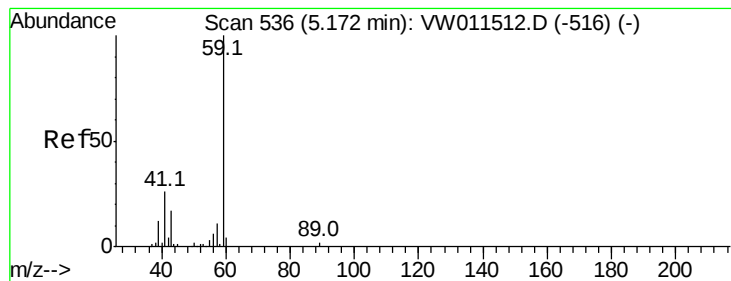
Ion Ratio Lower Upper

142 100

127 43.0 35.0 52.6

141 14.8 11.9 17.9



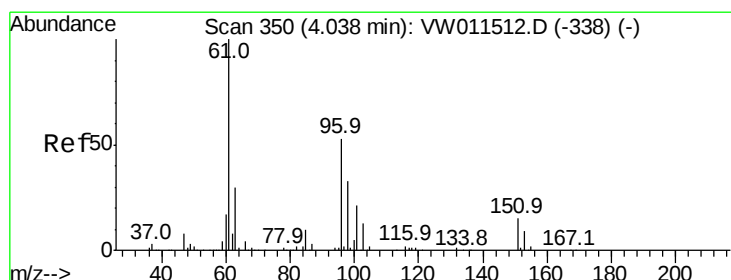
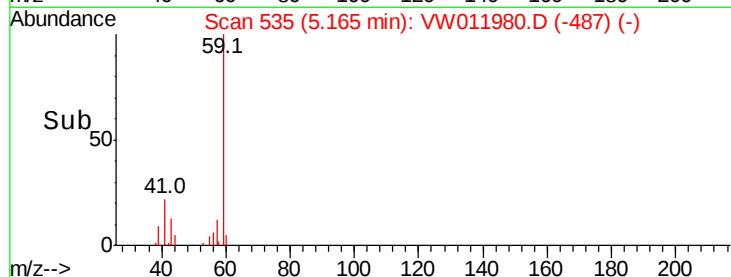
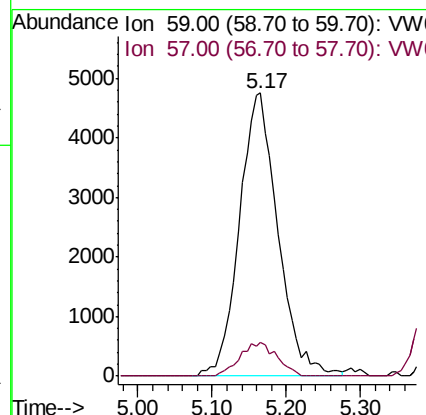
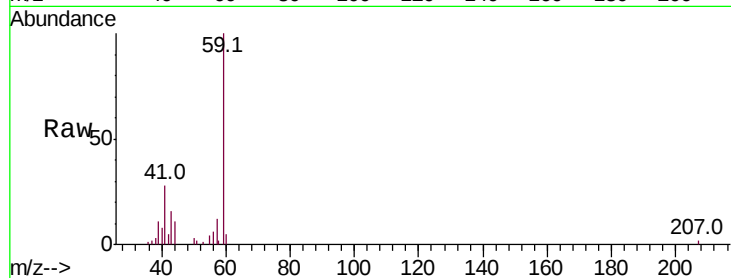


#11

Tert butyl alcohol
 Concen: 68.682 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Instrument :
 MSVOA_W
 ClientSampled :

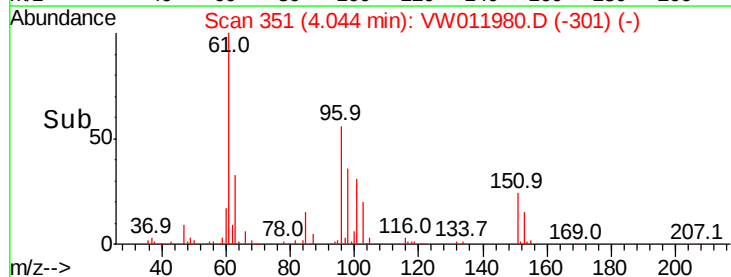
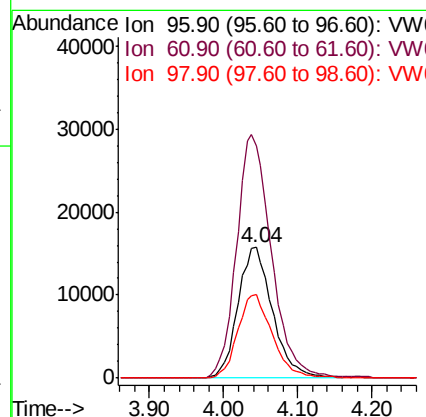
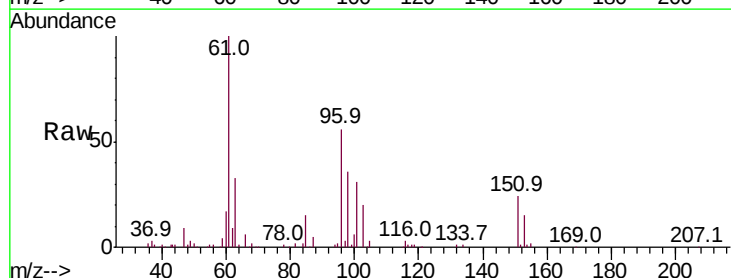
Tot Ion: 59 Resp: 17194
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.5 12.7

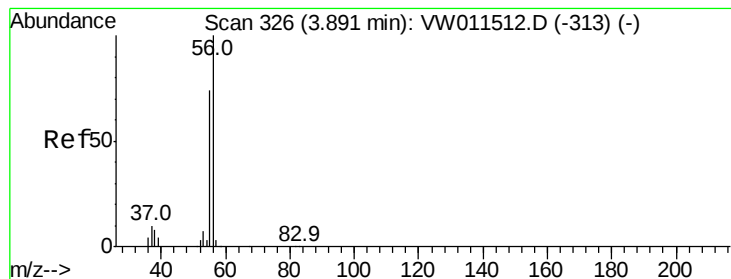


#12

1,1-Dichloroethene
 Concen: 19.836 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion: 96 Resp: 51356
 Ion Ratio Lower Upper
 96 100
 61 178.4 149.9 224.9
 98 64.1 49.1 73.7





#13

Acrolein

Concen: 61.993 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

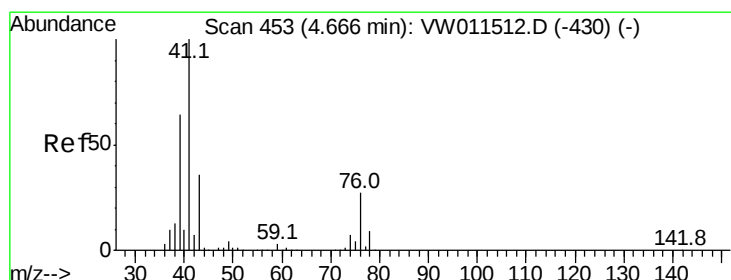
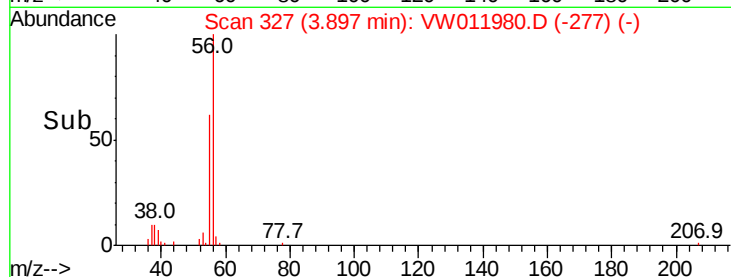
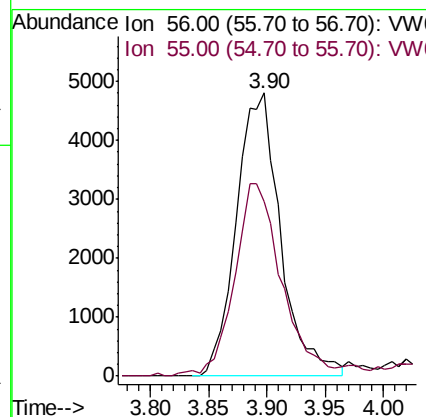
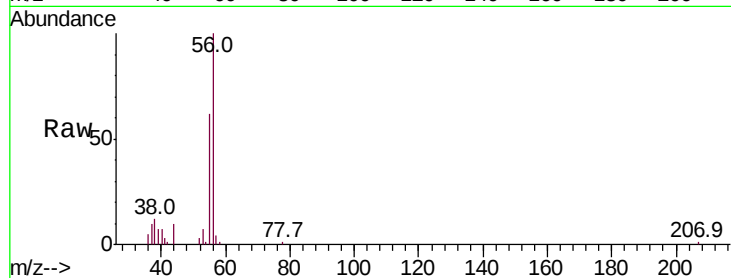
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 12698

Ion Ratio Lower Upper

56 100

55 72.1 56.0 84.0



#14

Allyl chloride

Concen: 19.111 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

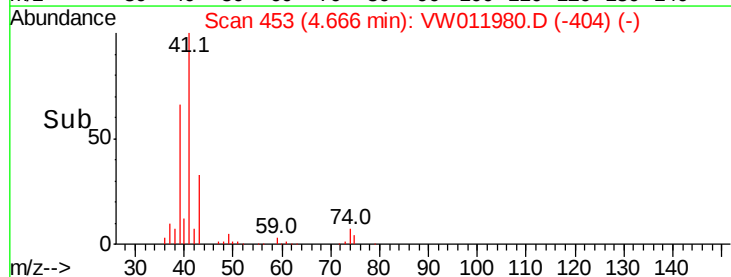
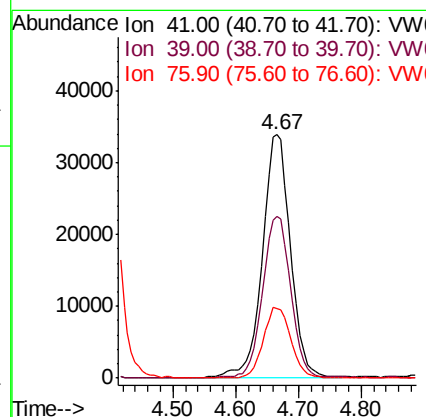
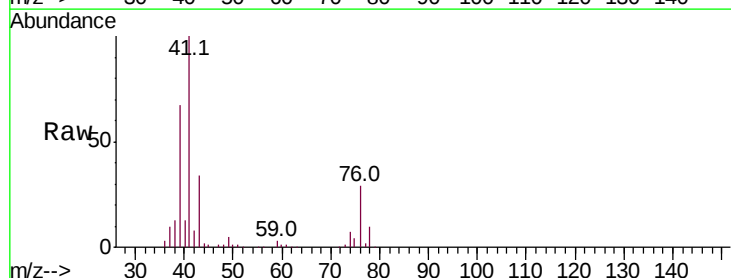
Tgt Ion: 41 Resp: 105242

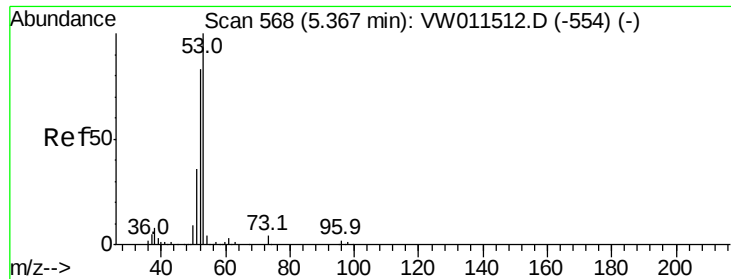
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

76 28.4 22.0 33.0





#15

Acrylonitrile

Concen: 92.376 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

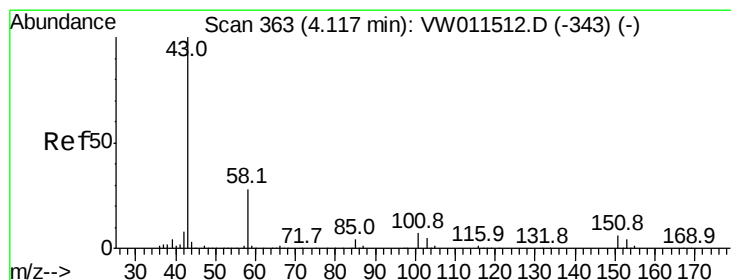
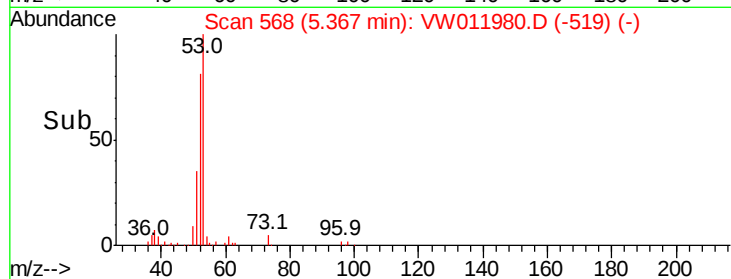
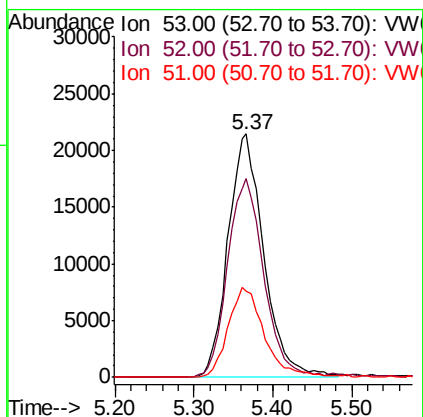
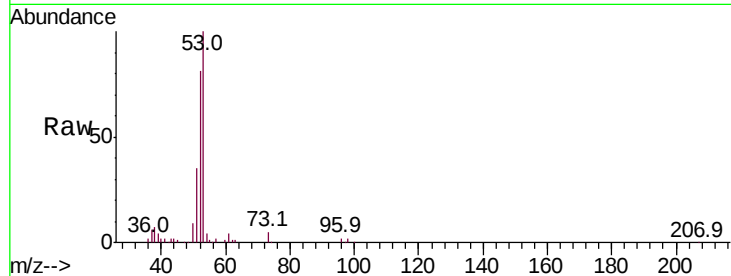
Tot Ion: 53 Resp: 67585

Ion Ratio Lower Upper

53 100

52 82.6 67.2 100.8

51 37.2 30.0 45.0



#16

Acetone

Concen: 73.103 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011980.D

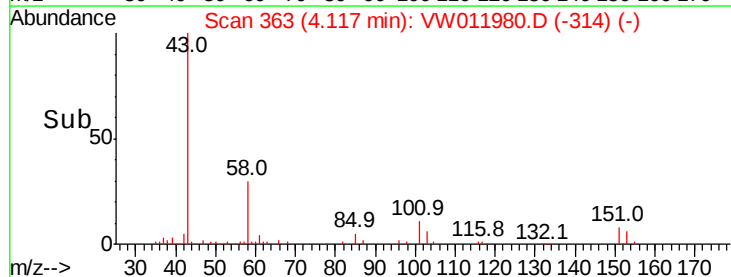
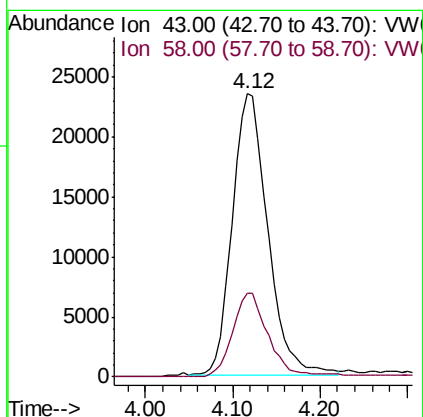
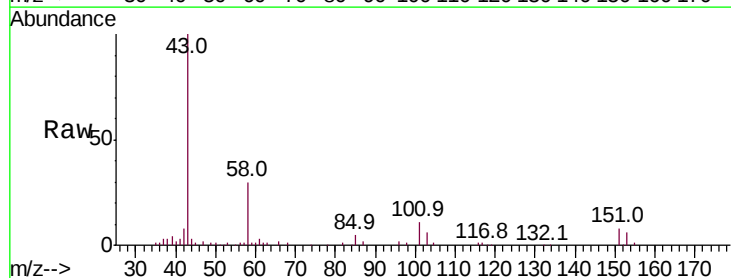
Acq: 19 Aug 2019 10:22

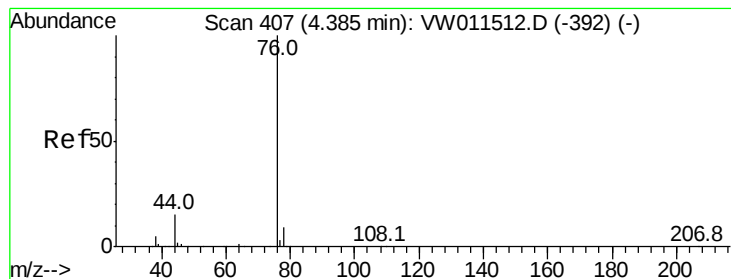
Tgt Ion: 43 Resp: 66382

Ion Ratio Lower Upper

43 100

58 29.3 22.3 33.5





#17

Carbon Disulfide

Concen: 19.042 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

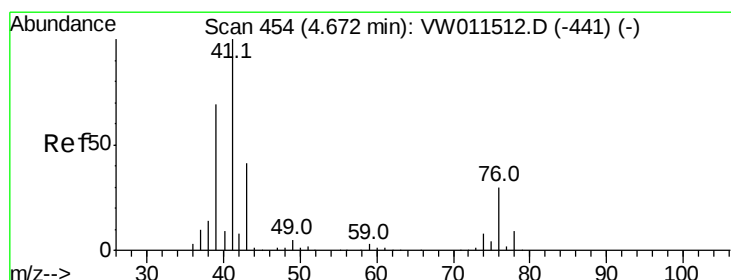
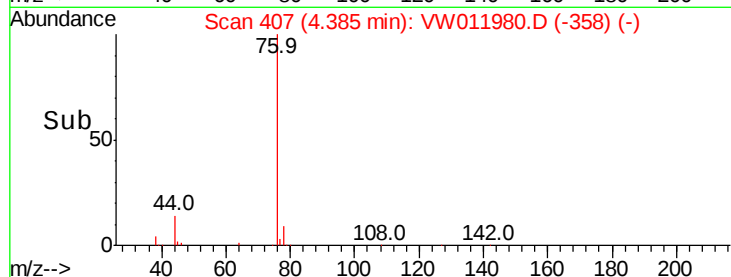
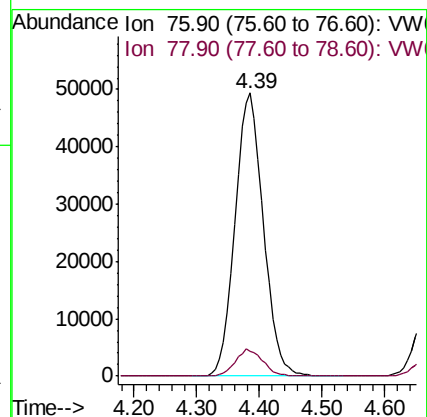
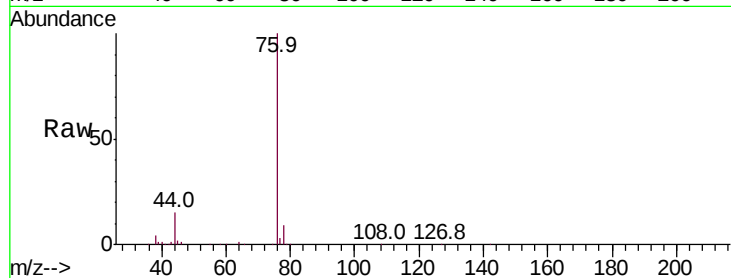
ClientSampled :

Tot Ion: 76 Resp: 154303

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 18.187 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW011980.D

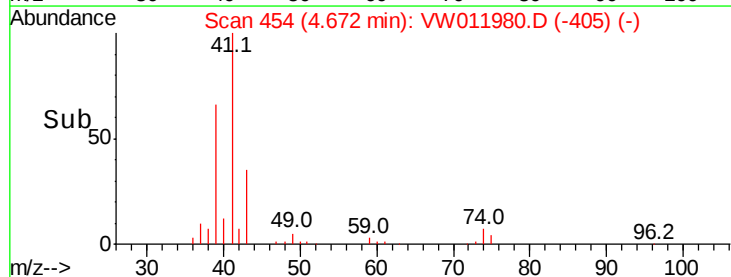
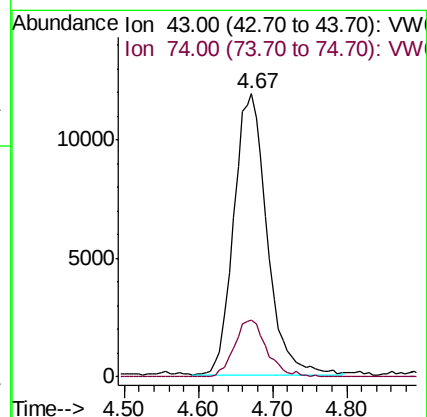
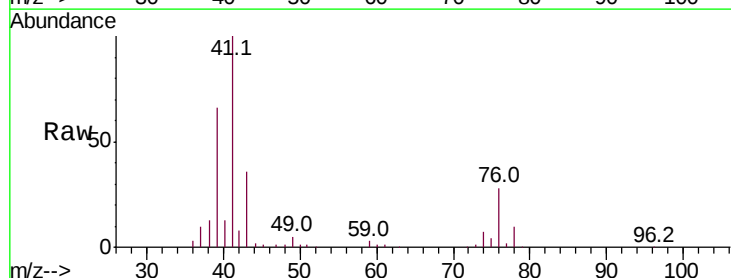
Acq: 19 Aug 2019 10:22

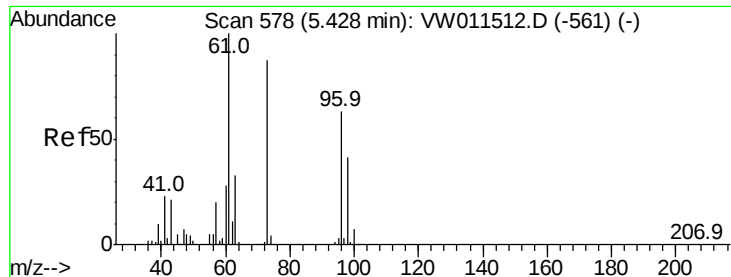
Tgt Ion: 43 Resp: 37100

Ion Ratio Lower Upper

43 100

74 19.7 15.9 23.9

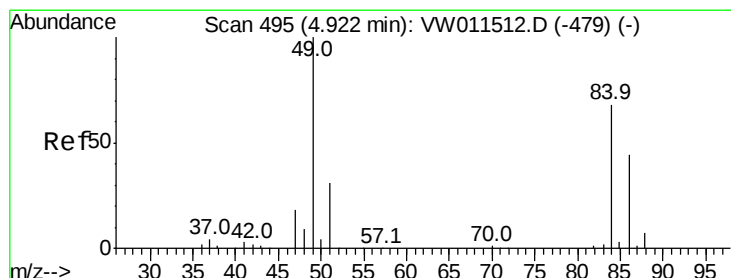
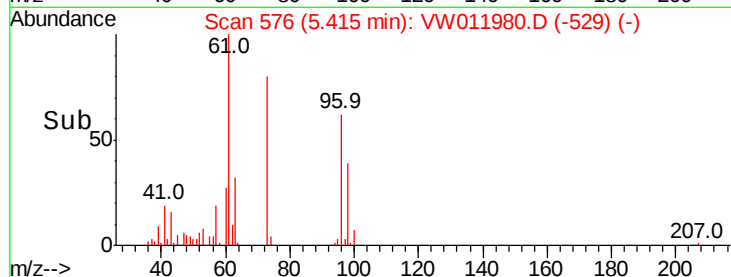
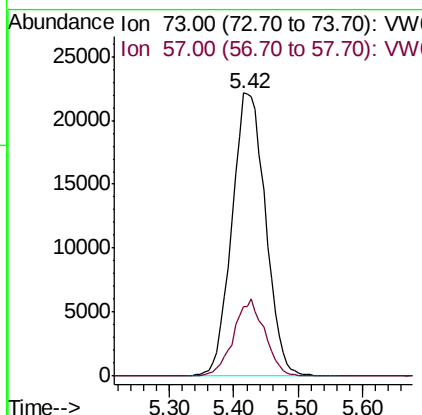
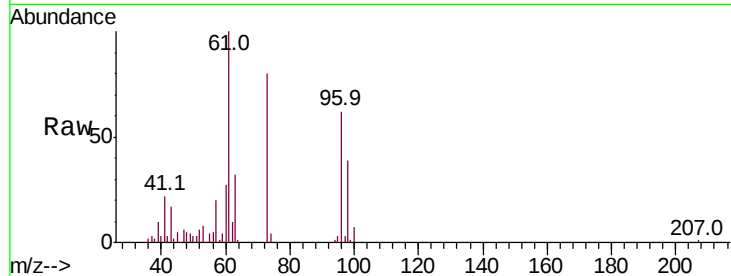




#19
Methvl tert-butvl Ether
Concen: 19.463 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

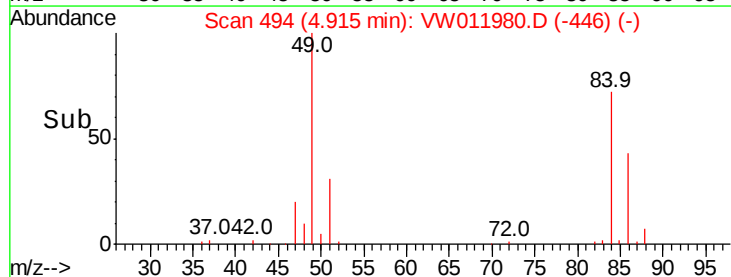
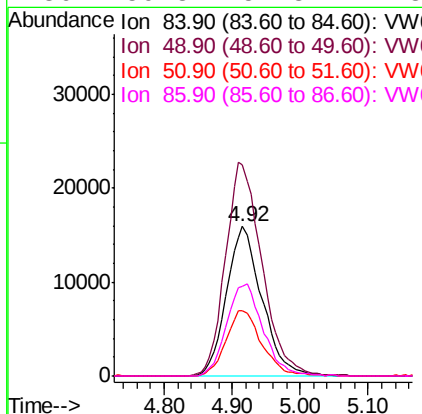
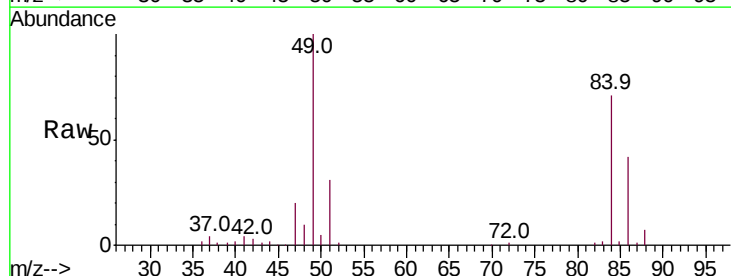
Instrument :
MSVOA_W
ClientSampled :

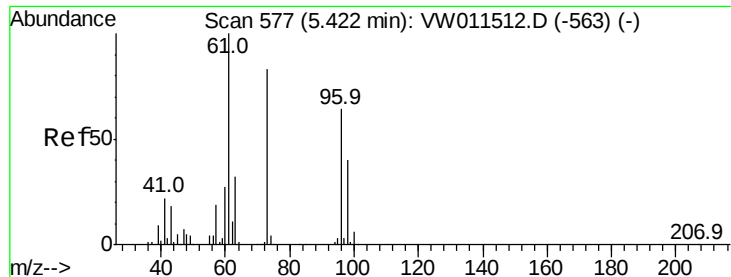
Tot Ion: 73 Resp: 79965
Ion Ratio Lower Upper
73 100
57 24.7 18.4 27.6



#20
Methylene Chloride
Concen: 18.416 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion: 84 Resp: 57675
Ion Ratio Lower Upper
84 100
49 140.8 117.8 176.6
51 43.6 37.0 55.4
86 59.8 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 19.262 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

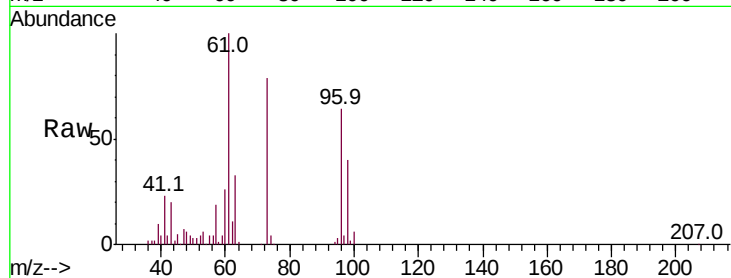
Tot Ion: 96 Resp: 53767

Ion Ratio Lower Upper

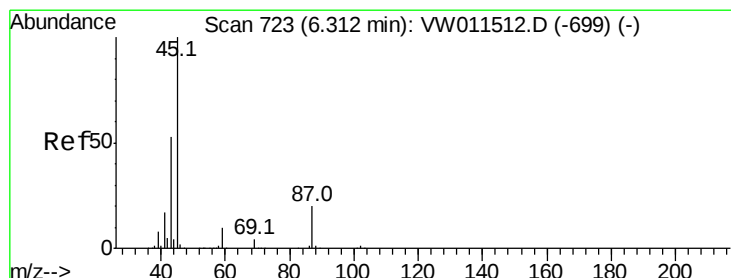
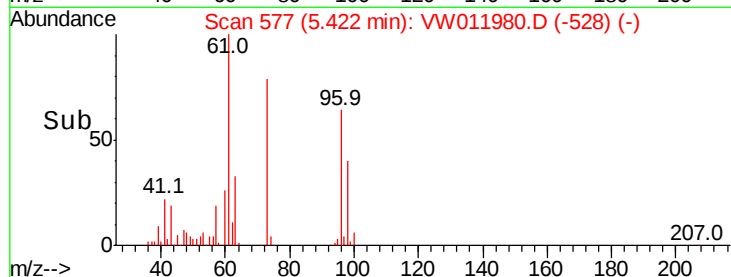
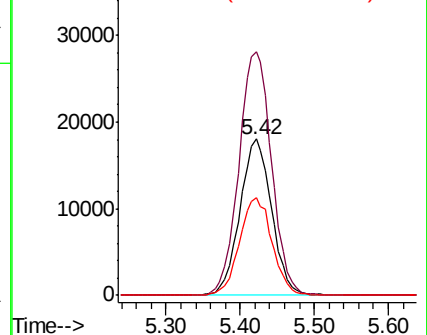
96 100

61 156.0 125.7 188.5

98 62.2 50.3 75.5



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



#22

Diisopropyl ether

Concen: 19.008 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Tgt Ion: 45 Resp: 197348

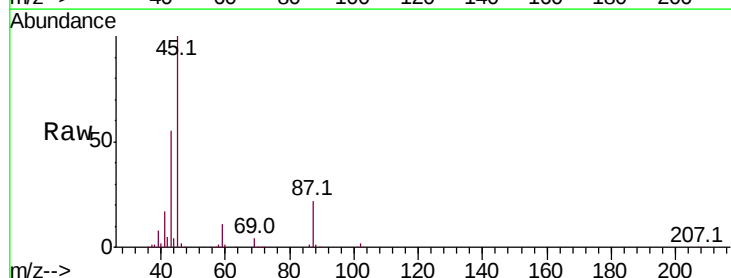
Ion Ratio Lower Upper

45 100

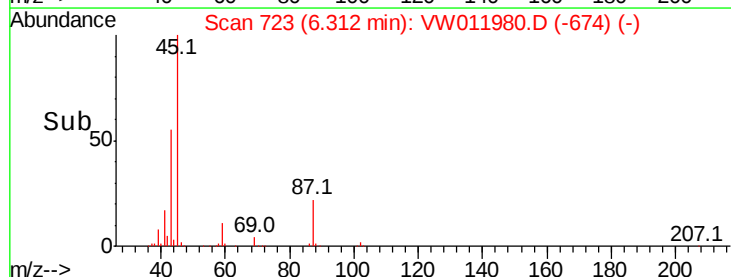
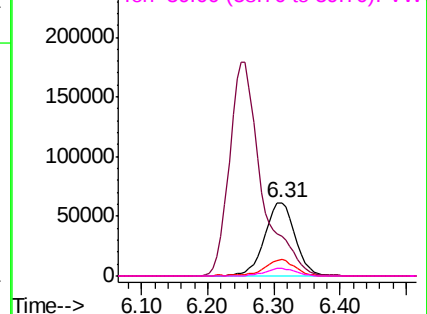
43 54.7 42.6 63.8

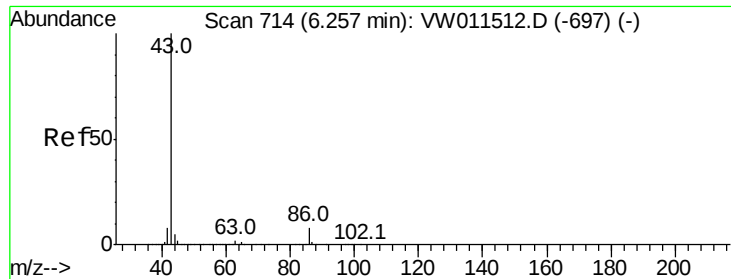
87 21.8 16.4 24.6

59 10.9 8.2 12.2



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: 92.645 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

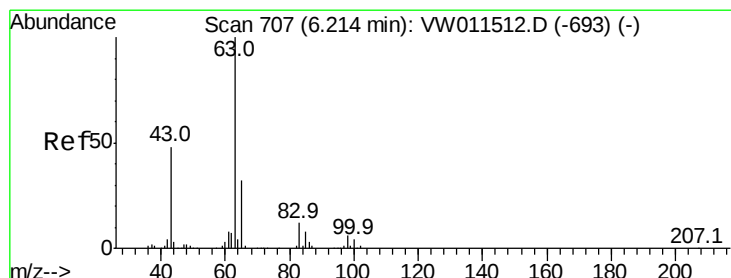
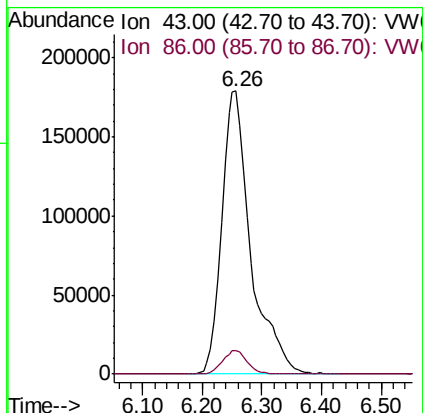
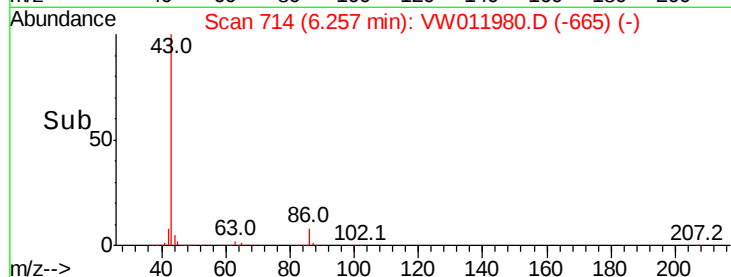
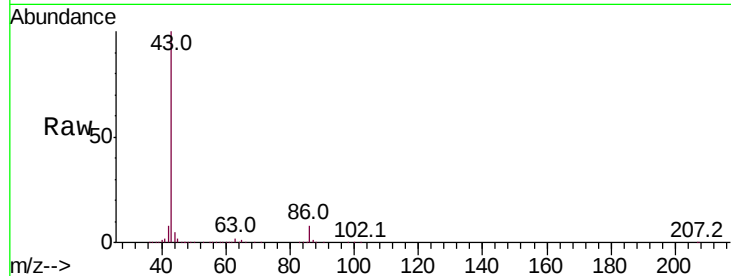
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 604389

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



#24

1,1-Dichloroethane

Concen: 19.277 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

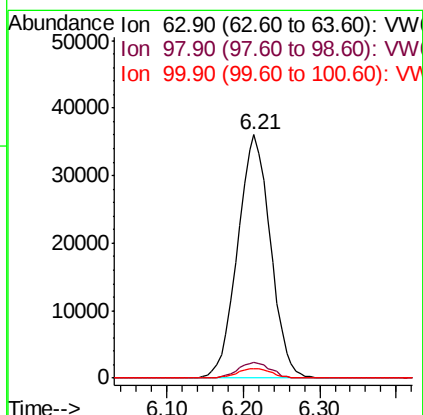
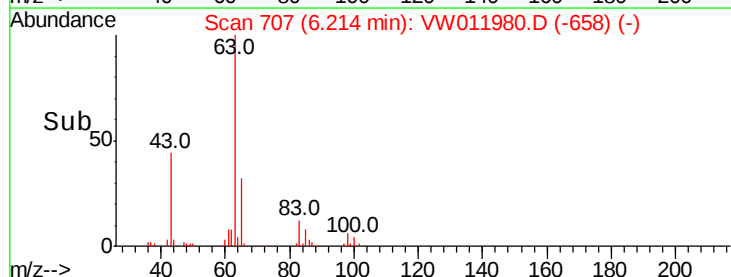
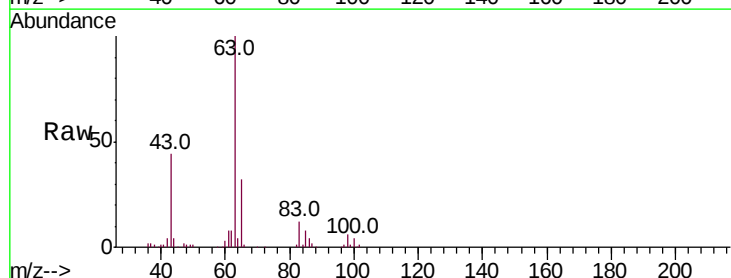
Tgt Ion: 63 Resp: 107185

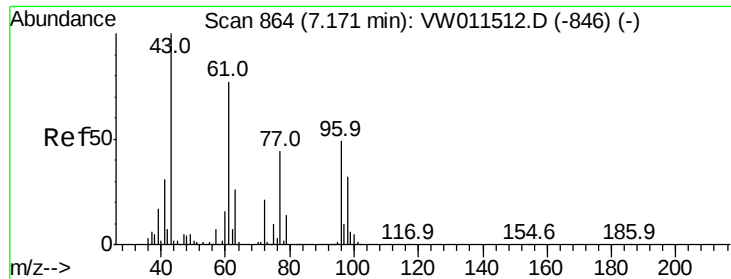
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 81.992 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

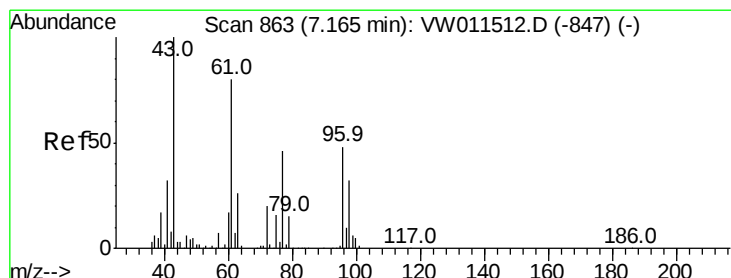
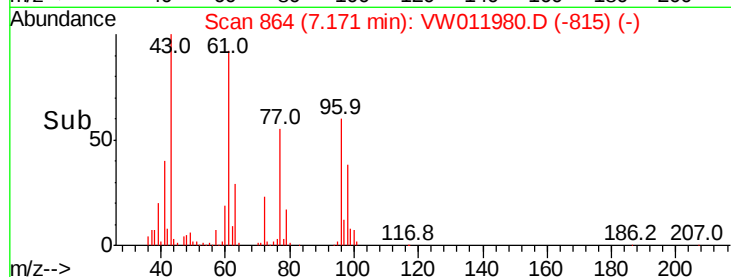
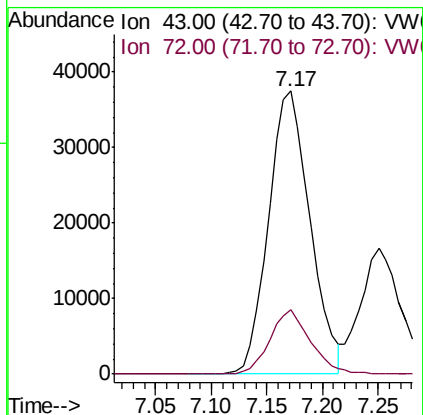
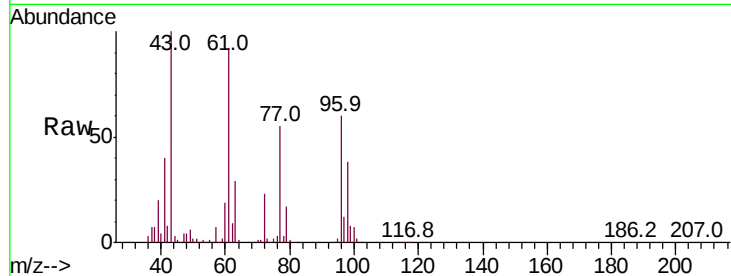
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 97425

Ion Ratio Lower Upper

43 100

72 22.6 16.6 24.8



#26

2,2-Dichloropropane

Concen: 18.248 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011980.D

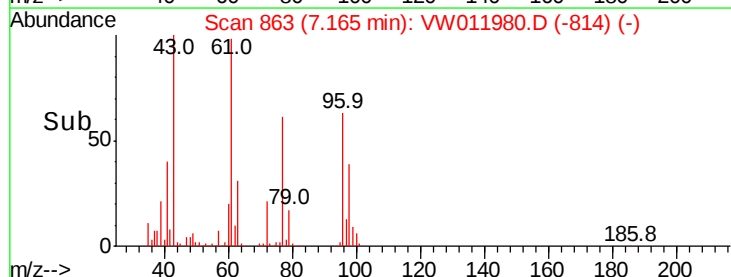
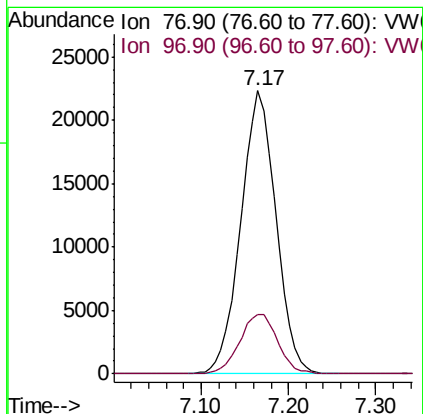
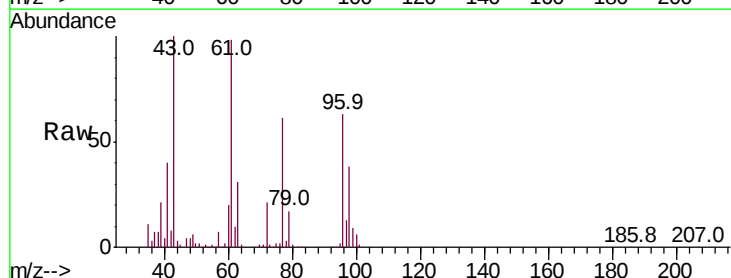
Acq: 19 Aug 2019 10:22

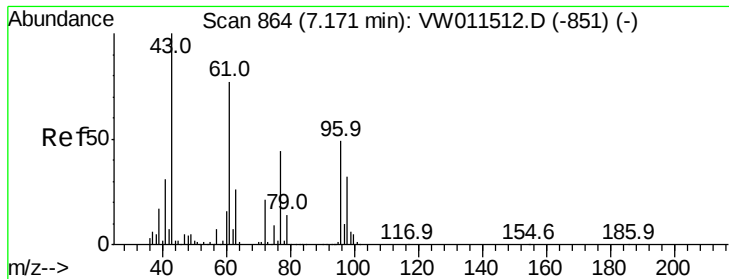
Tgt Ion: 77 Resp: 62402

Ion Ratio Lower Upper

77 100

97 22.6 10.8 32.4



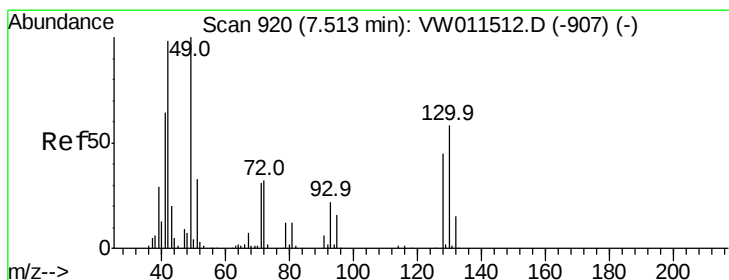
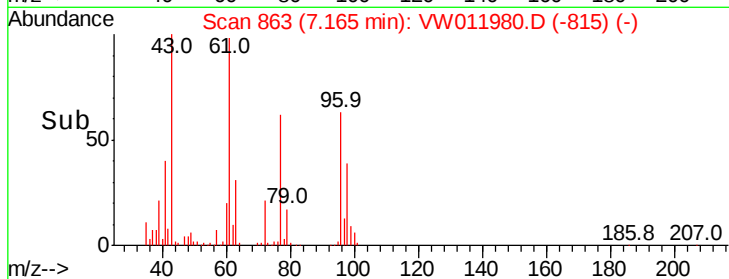
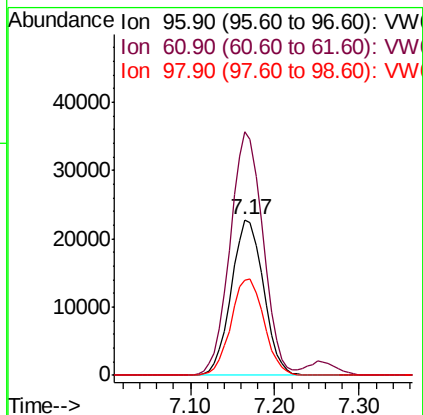
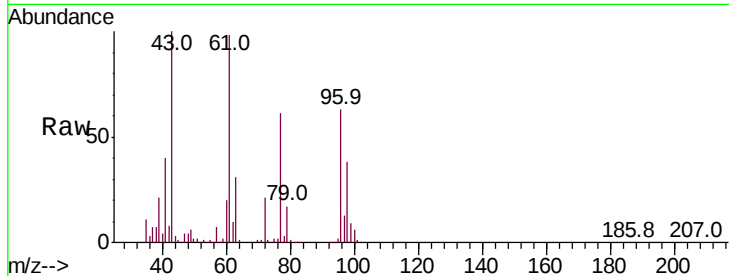


#27

cis-1,2-Dichloroethene
Concen: 19.257 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :

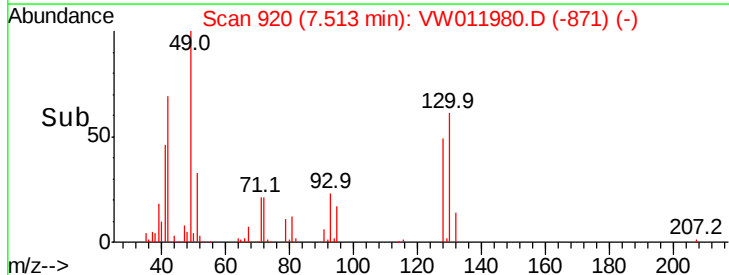
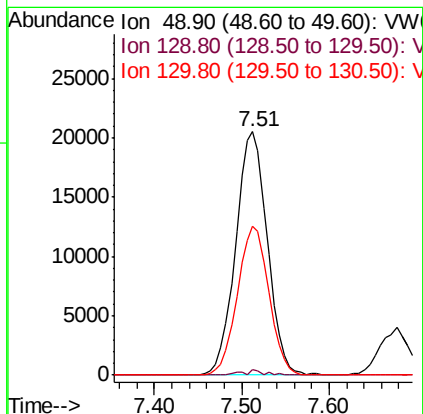
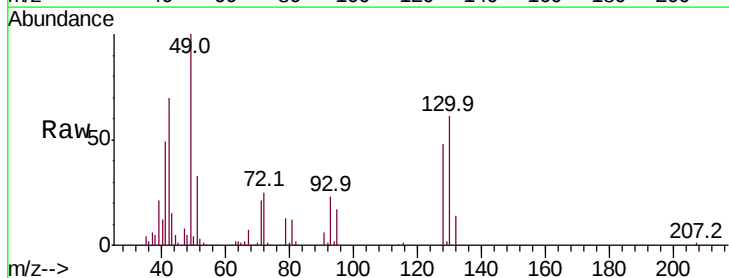
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	328.4
98	63.3	0.0	128.8

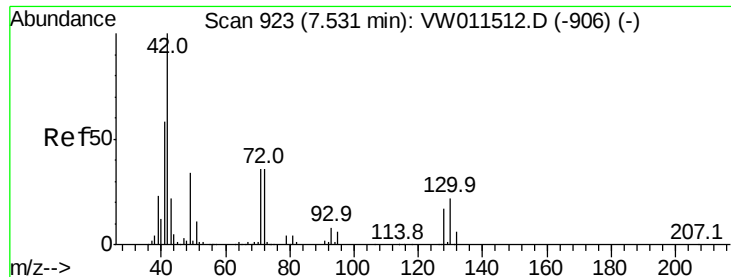


#28

Bromochloromethane
Concen: 20.909 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.0
130	60.6	46.3	69.5

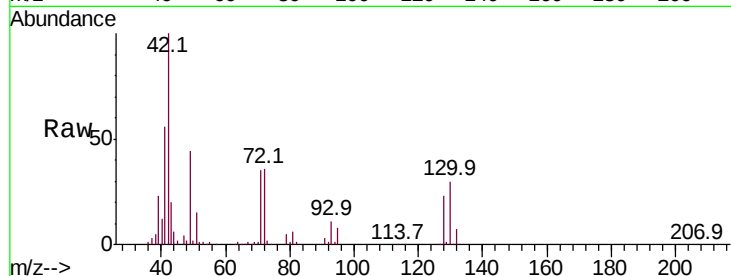




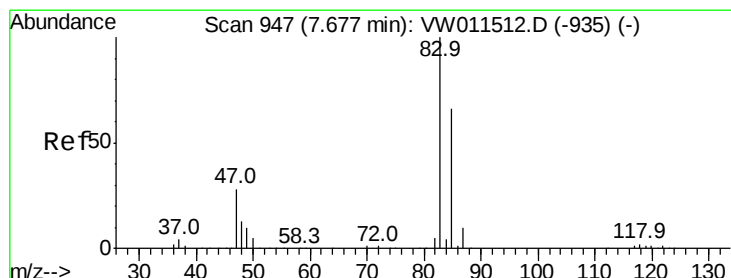
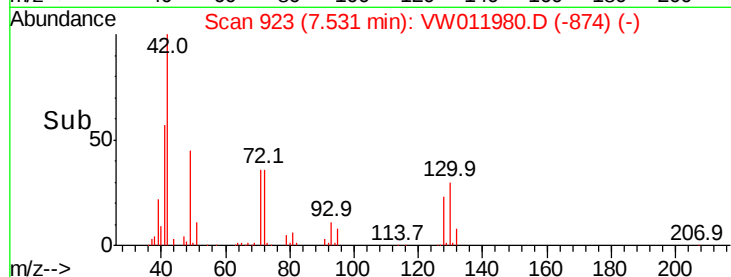
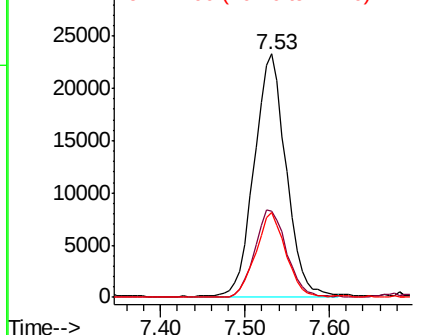
#29
Tetrahydrofuran
Concen: 89.662 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	27.1	40.7
71	32.6	26.2	39.4

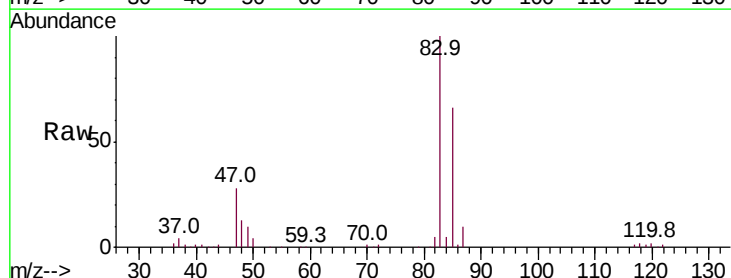


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

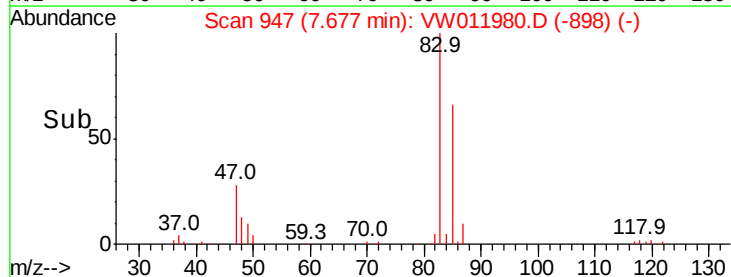
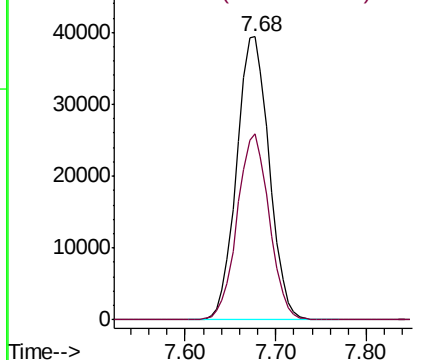


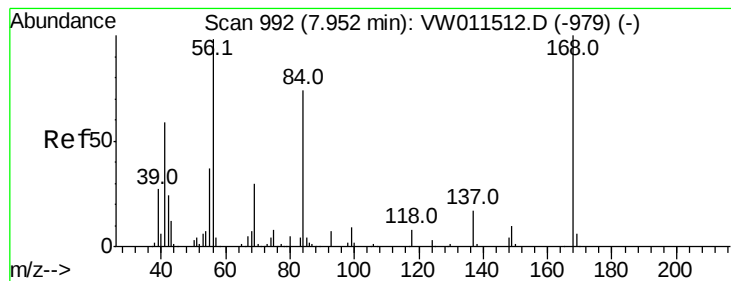
#30
Chloroform
Concen: 19.085 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.5	78.7



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





#31

Cyclohexane

Concen: 19.766 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

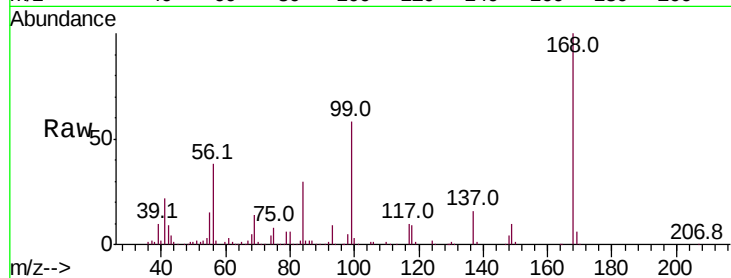
Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

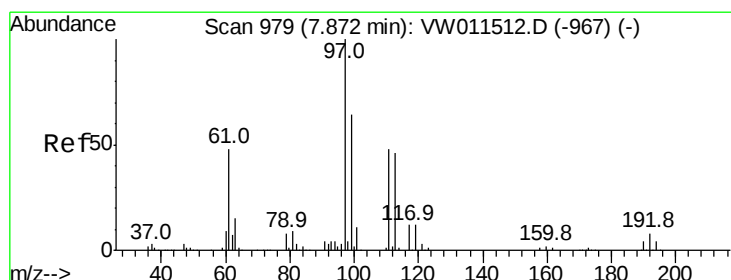
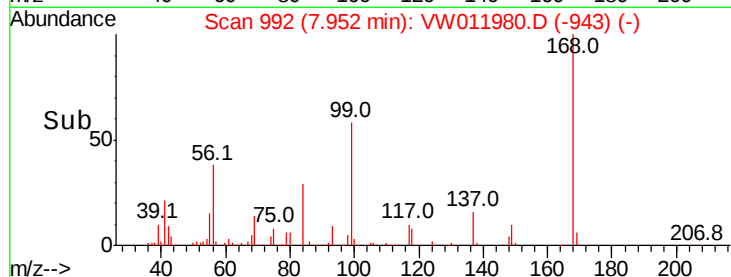
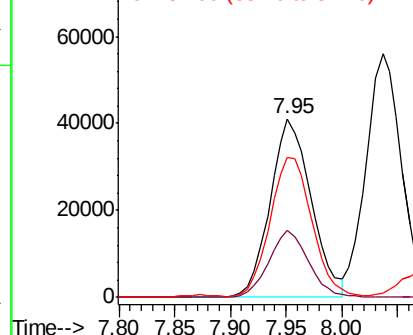
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 105503

Ion	Ratio	Lower	Upper
56	100		
69	37.2	24.3	36.5#
84	77.0	60.4	90.6



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



#32

1,1,1-Trichloroethane

Concen: 20.150 ug/l

RT: 7.87 min Scan# 979

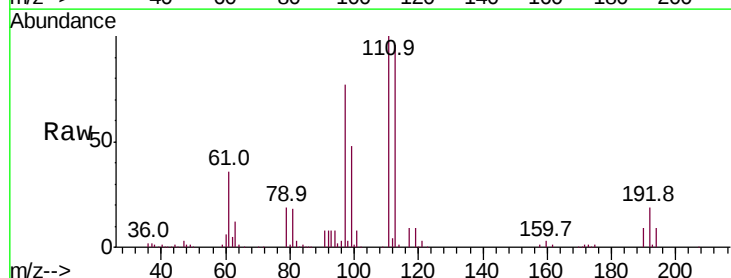
Delta R.T. -0.00 min

Lab File: VW011980.D

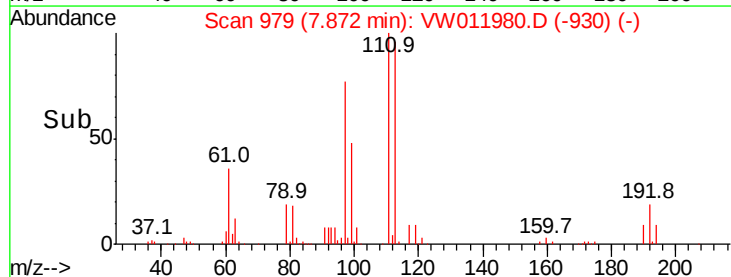
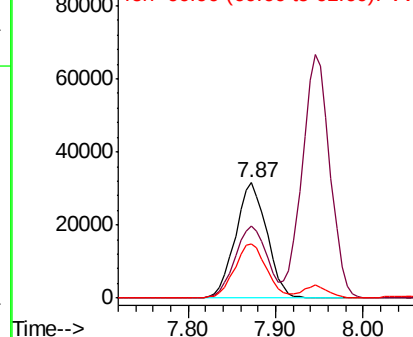
Acq: 19 Aug 2019 10:22

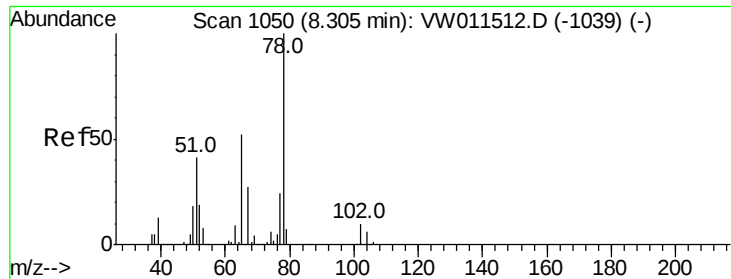
Tgt Ion: 97 Resp: 78720

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	47.9	39.8	59.6



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: 51.411 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

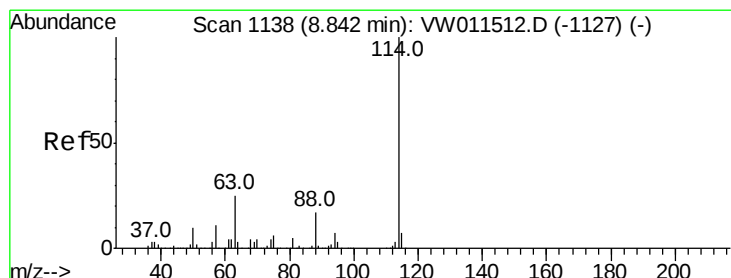
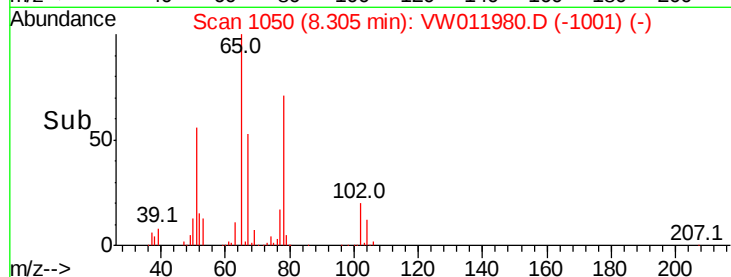
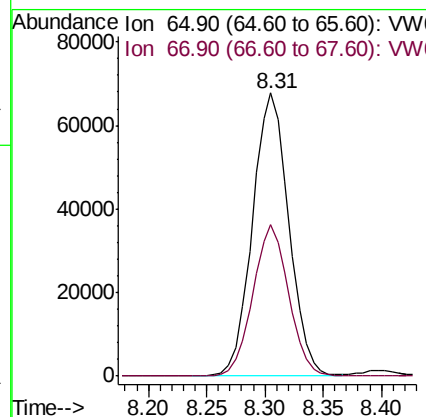
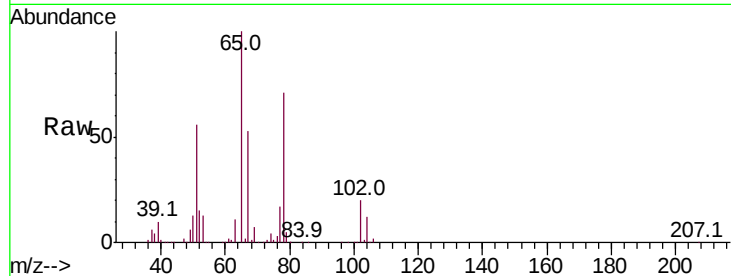
ClientSampleId :

Tot Ion: 65 Resp: 146761

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

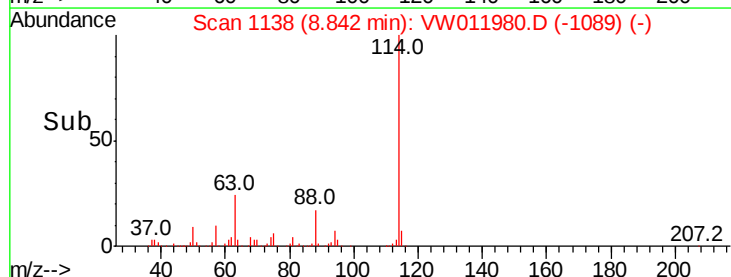
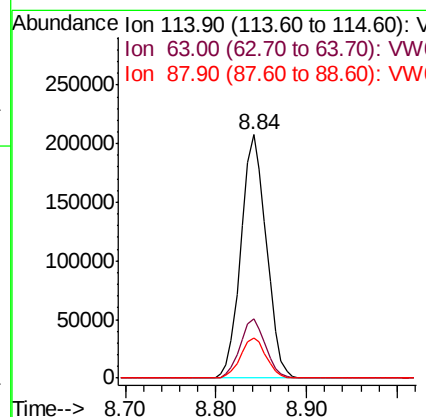
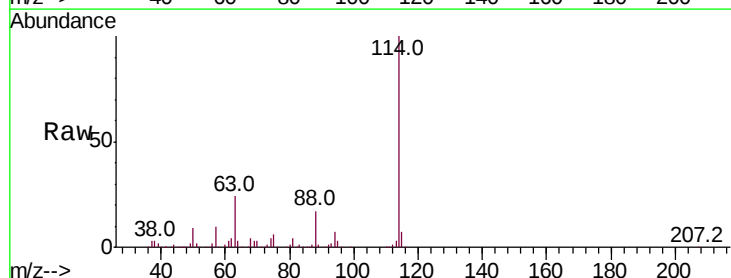
Tgt Ion: 114 Resp: 401949

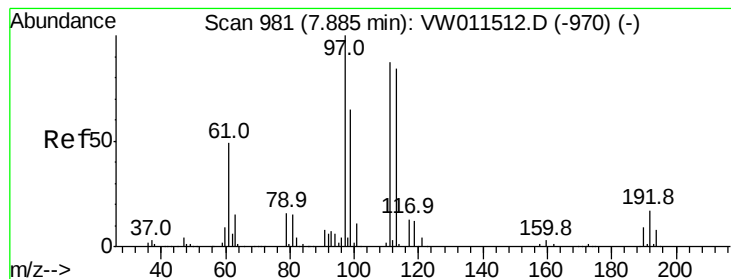
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.868 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

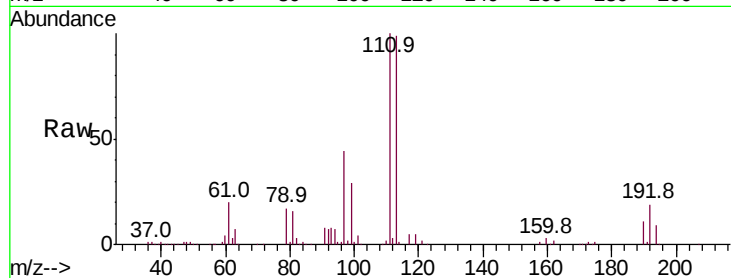
Tot Ion:113 Resp: 123728

Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

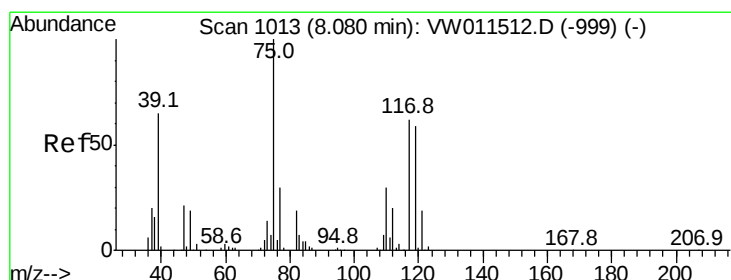
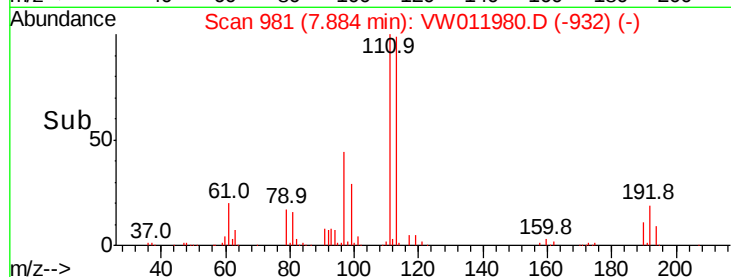
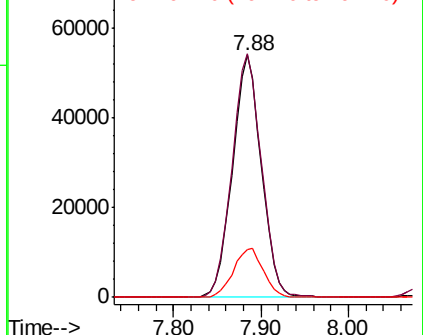
192 20.9 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.842 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

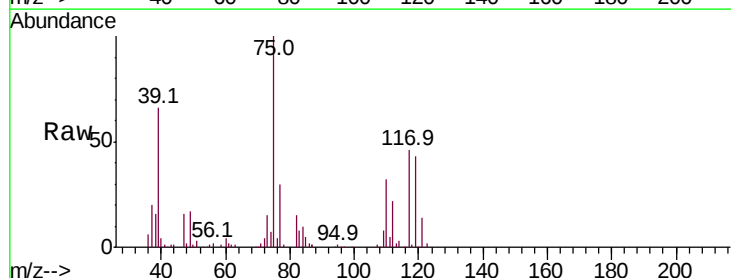
Tgt Ion: 75 Resp: 82931

Ion Ratio Lower Upper

75 100

110 31.9 15.6 46.8

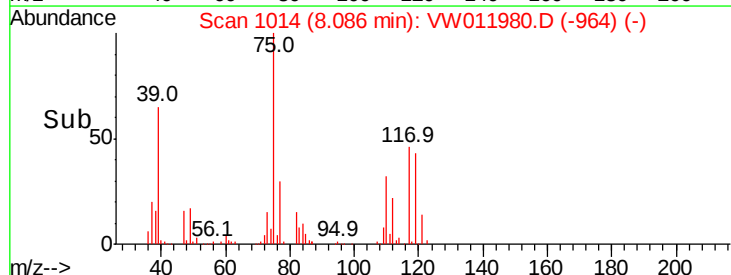
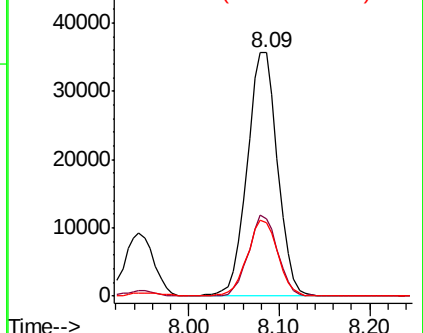
77 31.5 24.3 36.5

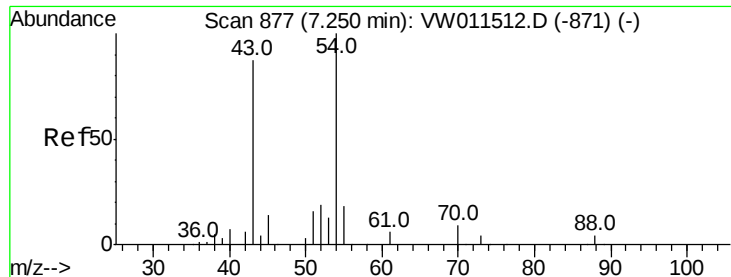


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

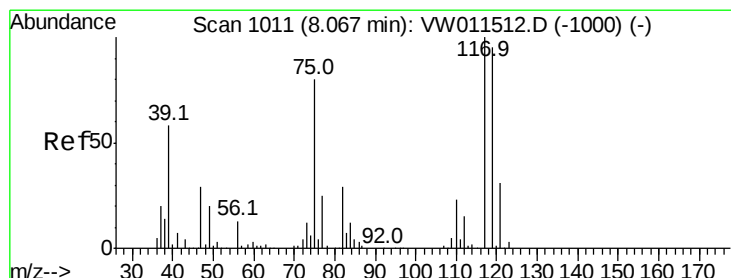
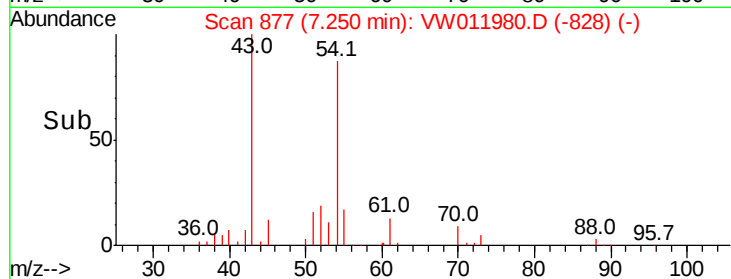
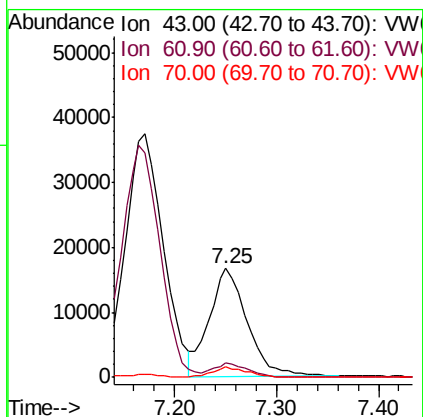
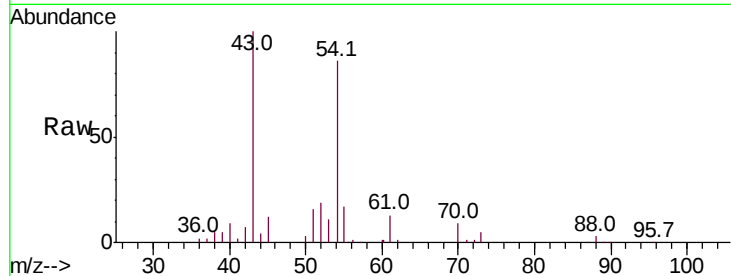




#37
Ethyl Acetate
Concen: 17.992 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

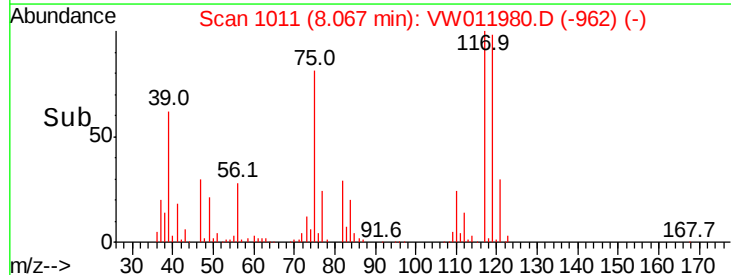
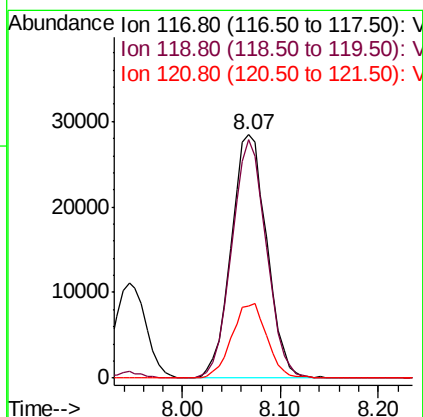
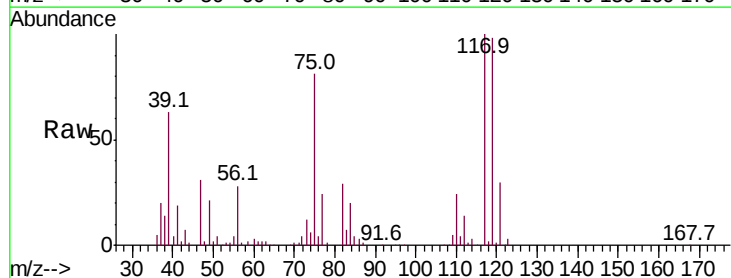
Instrument :
MSVOA_W
ClientSampled :

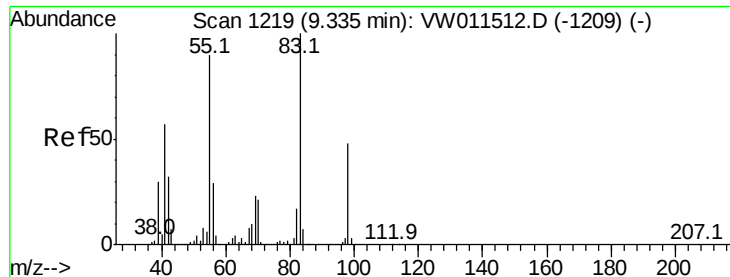
Tot Ion: 43 Resp: 43263
Ion Ratio Lower Upper
43 100
61 11.9 8.8 13.2
70 8.8 7.1 10.7



#38
Carbon Tetrachloride
Concen: 20.092 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion: 117 Resp: 71888
Ion Ratio Lower Upper
117 100
119 98.1 75.8 113.6
121 29.8 24.7 37.1

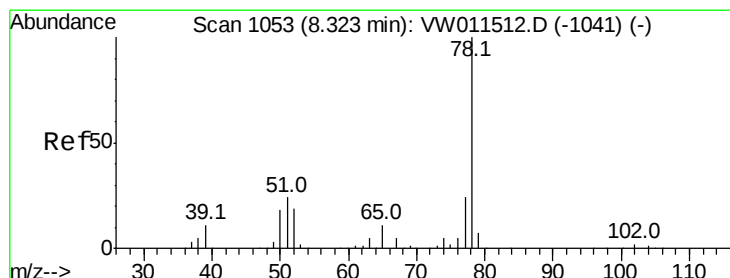
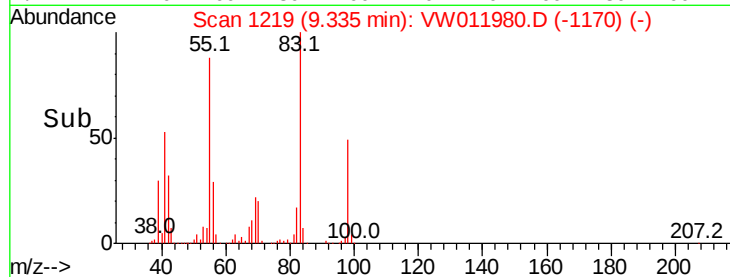
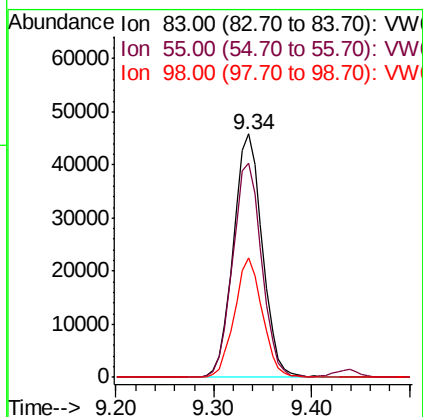
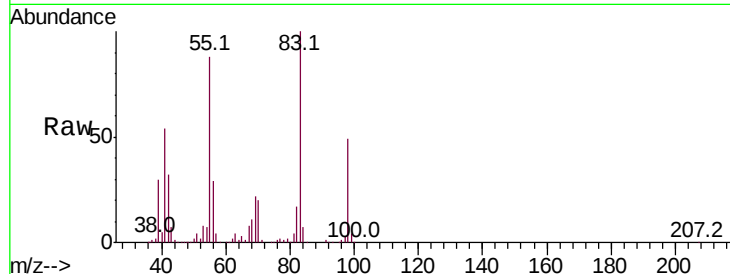




#39
Methvlcvclohexane
Concen: 20.443 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

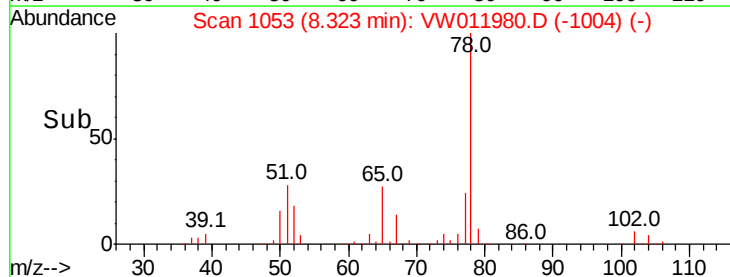
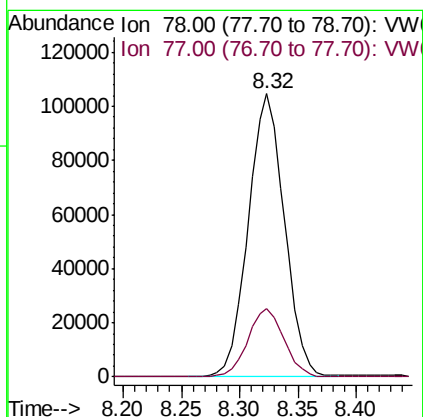
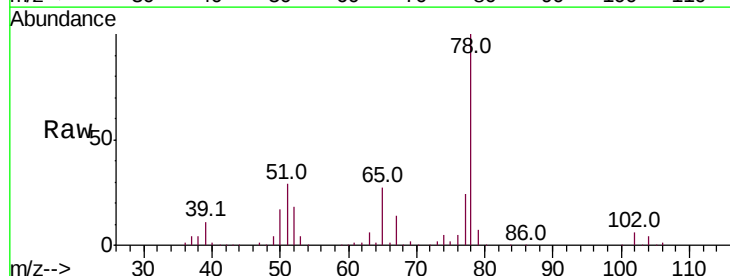
Instrument :
MSVOA_W
ClientSampled :

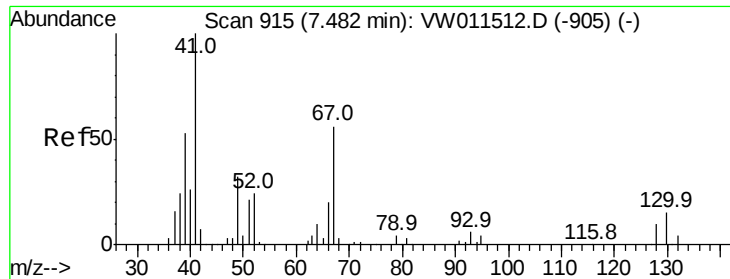
Tot Ion: 83 Resp: 94083
Ion Ratio Lower Upper
83 100
55 88.2 72.1 108.1
98 49.2 38.6 57.8



#40
Benzene
Concen: 19.364 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion: 78 Resp: 226699
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

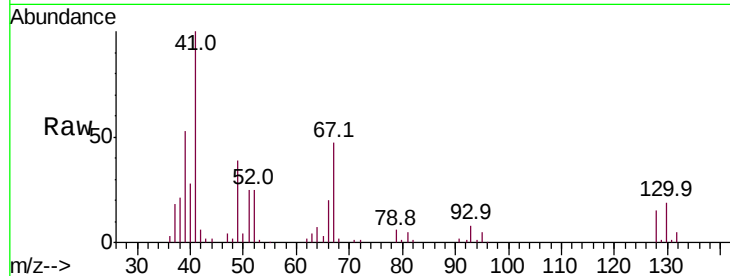




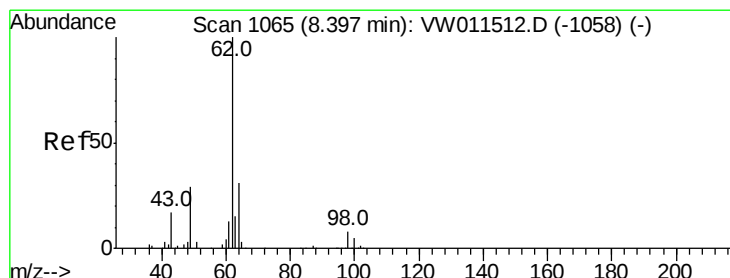
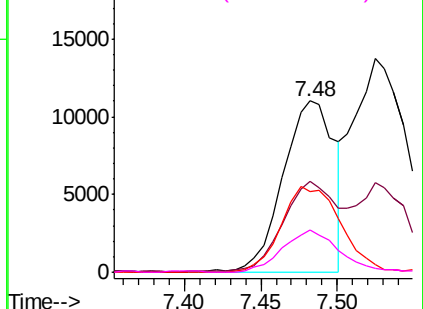
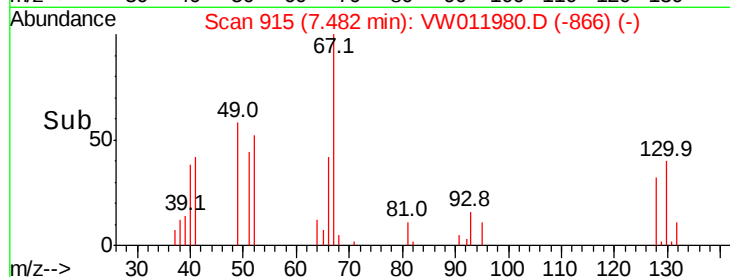
#41
Methacrylonitrile
Concen: 17.912 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	25747
Ion	Ratio	Lower	Upper
41	100		
39	58.9	43.0	64.4
67	58.8	47.5	71.3
52	27.1	21.0	31.6

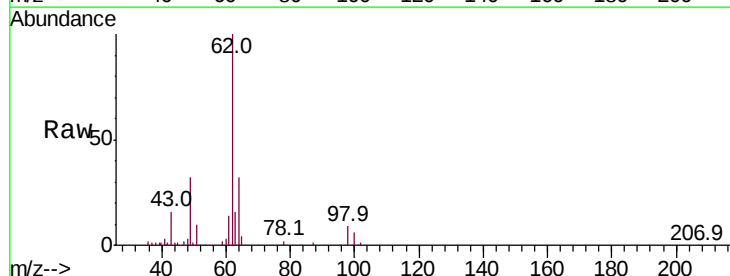


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

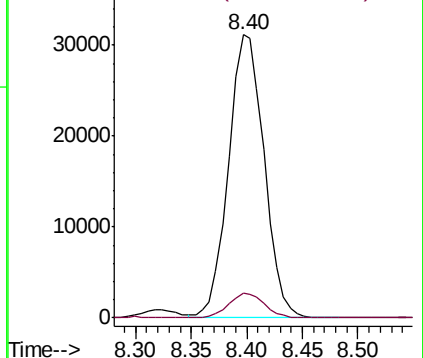
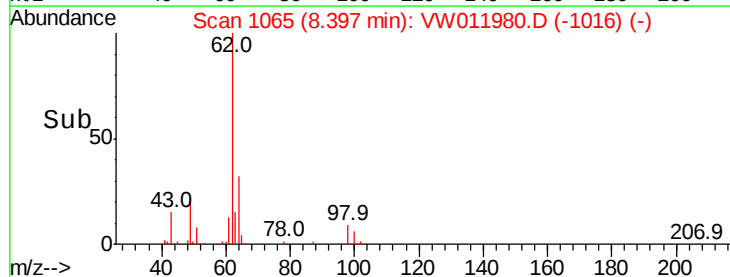


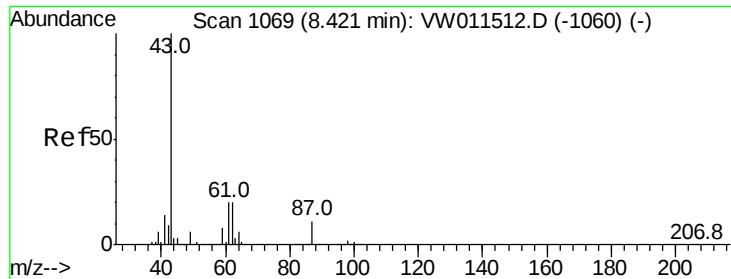
#42
1,2-Dichloroethane
Concen: 18.817 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion:	62	Resp:	68970
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8



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





#43

Isopropyl Acetate

Concen: 18.378 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

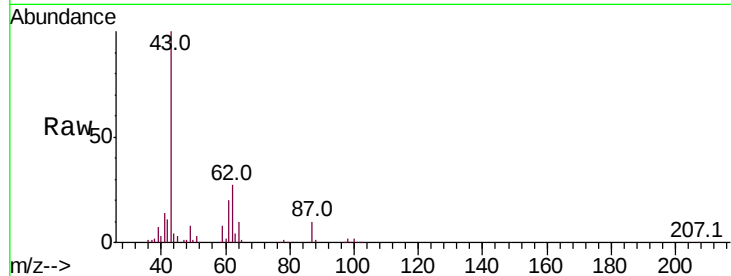
Tot Ion: 43 Resp: 81270

Ion Ratio Lower Upper

43 100

61 27.0 21.5 32.3

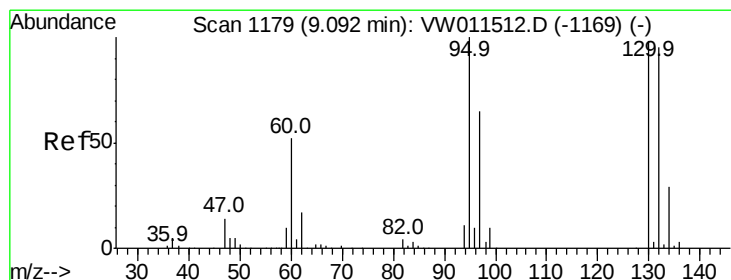
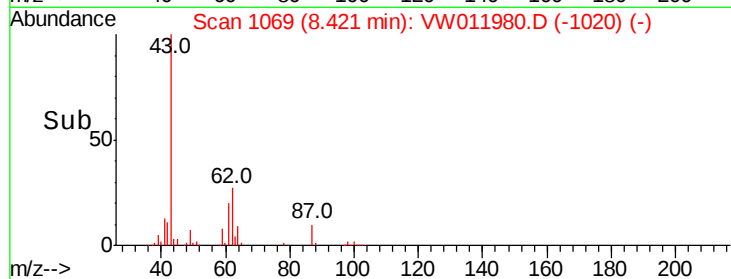
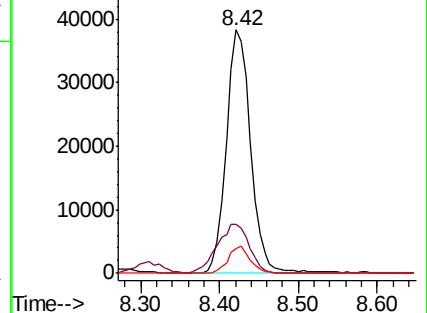
87 10.4 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.081 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011980.D

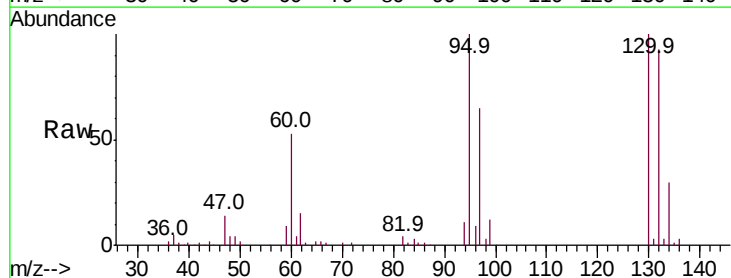
Acq: 19 Aug 2019 10:22

Tgt Ion: 130 Resp: 56504

Ion Ratio Lower Upper

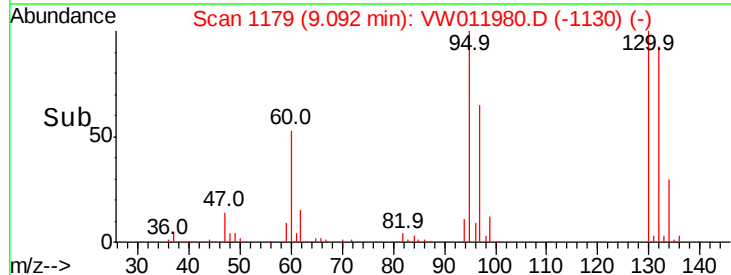
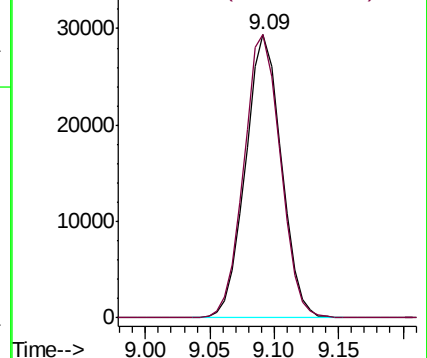
130 100

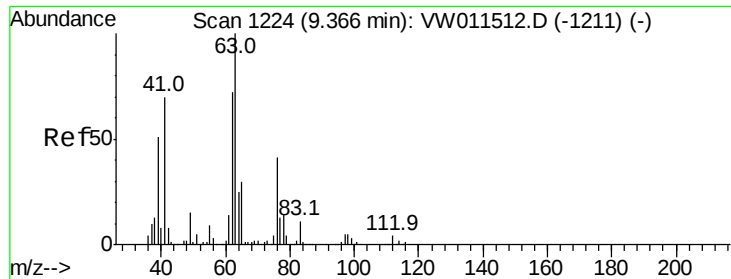
95 100.1 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 19.695 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

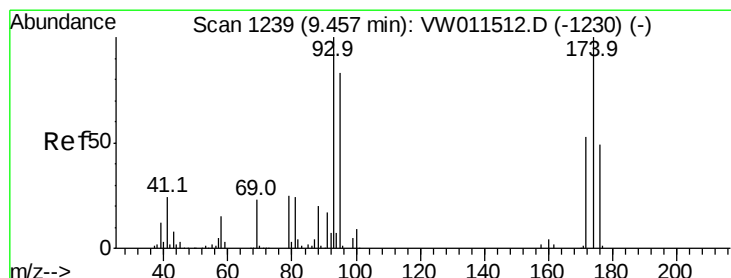
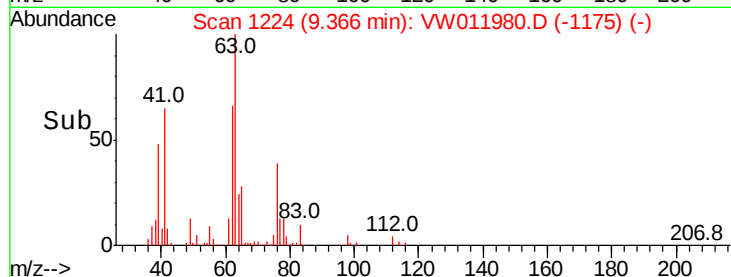
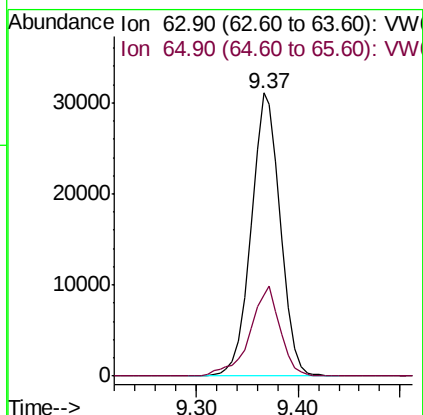
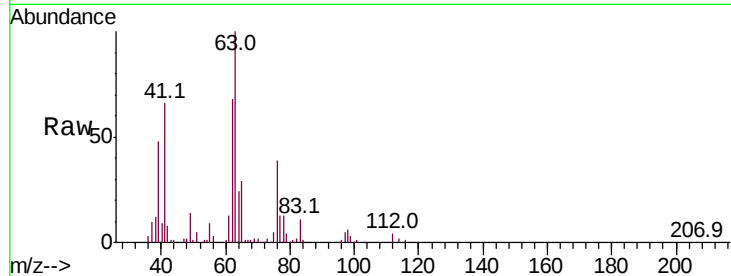
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 61693

Ion Ratio Lower Upper

63 100

65 28.6 24.2 36.4



#46

Dibromomethane

Concen: 19.238 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

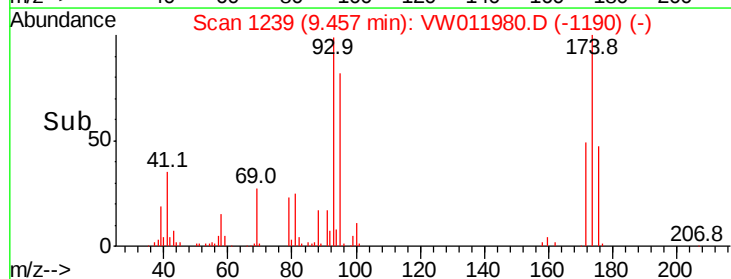
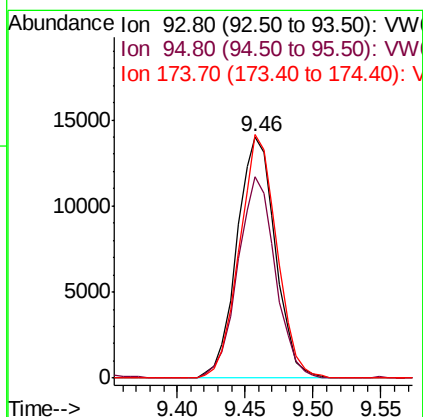
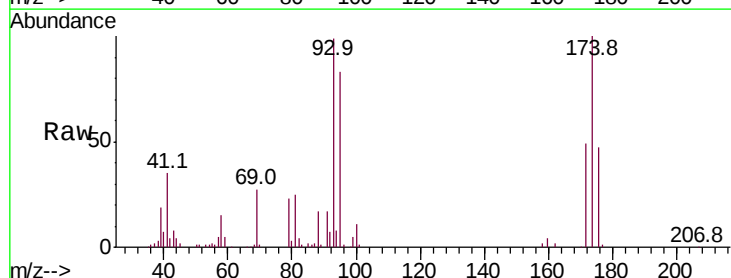
Tgt Ion: 93 Resp: 27504

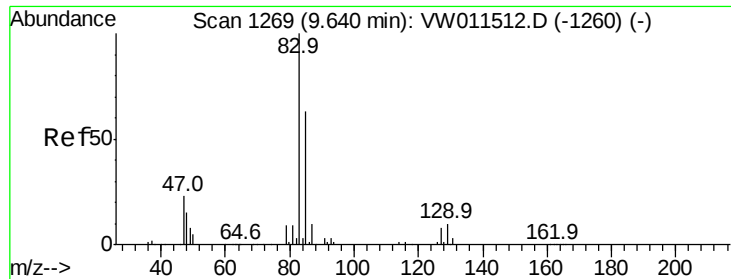
Ion Ratio Lower Upper

93 100

95 81.7 66.2 99.2

174 98.4 78.2 117.4





#47

Bromodichloromethane

Concen: 18.931 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :

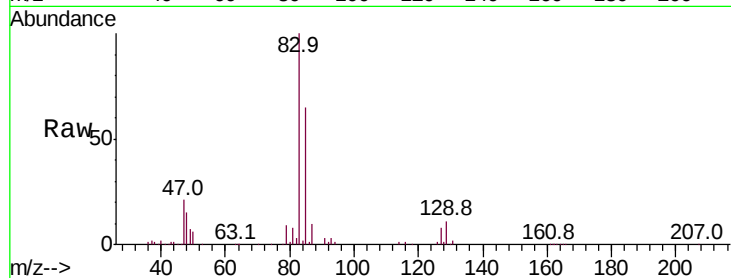
Tot Ion: 83 Resp: 70995

Ion Ratio Lower Upper

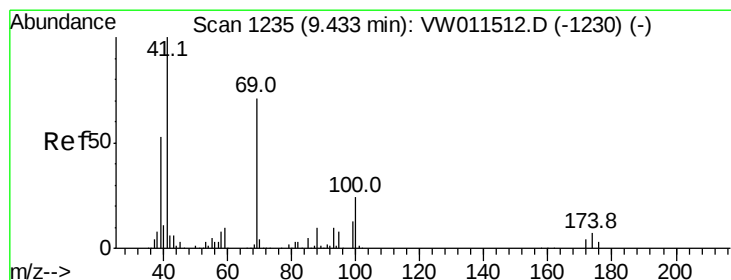
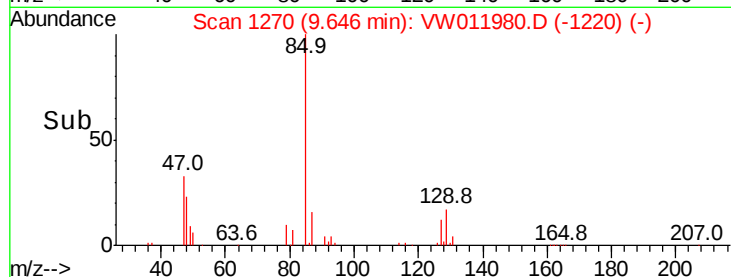
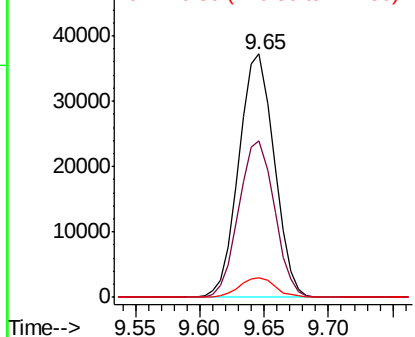
83 100

85 64.5 50.5 75.7

127 8.0 6.4 9.6



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



#48

Methyl methacrylate

Concen: 18.420 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

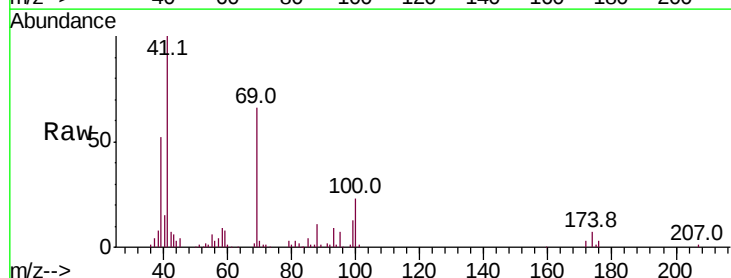
Tgt Ion: 41 Resp: 39129

Ion Ratio Lower Upper

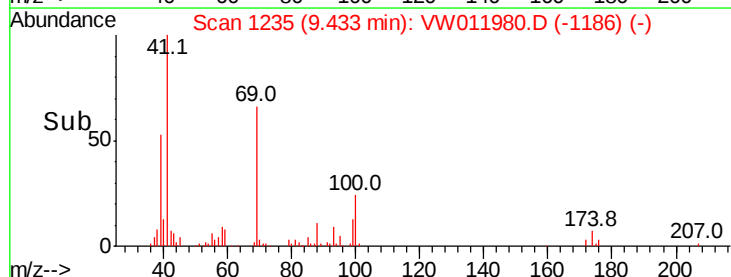
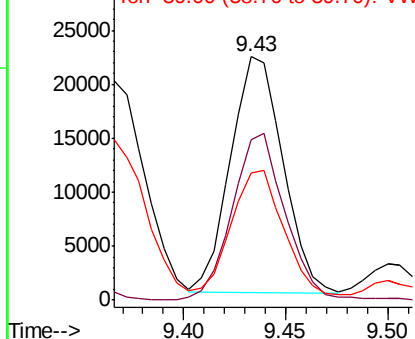
41 100

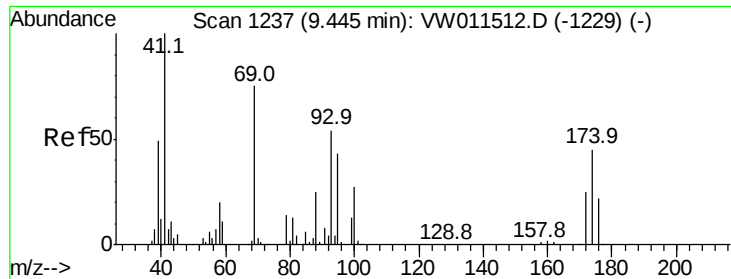
69 71.6 57.1 85.7

39 51.7 45.4 68.2



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





#49

1,4-Dioxane

Concen: 382.684 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

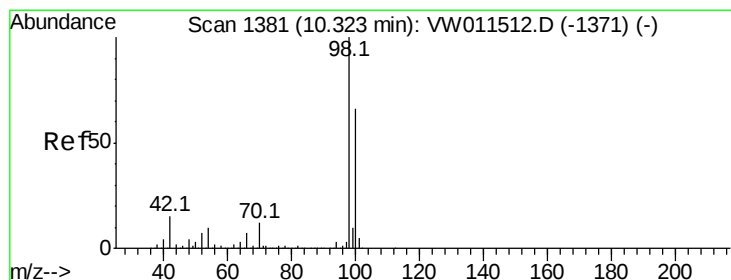
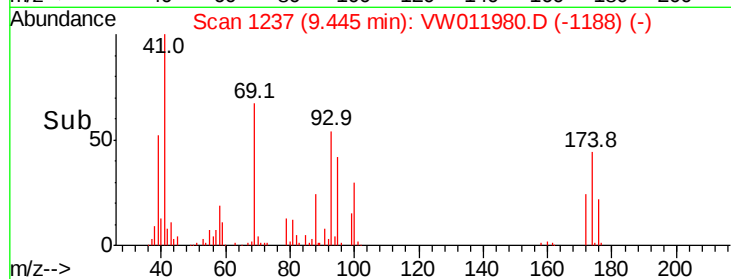
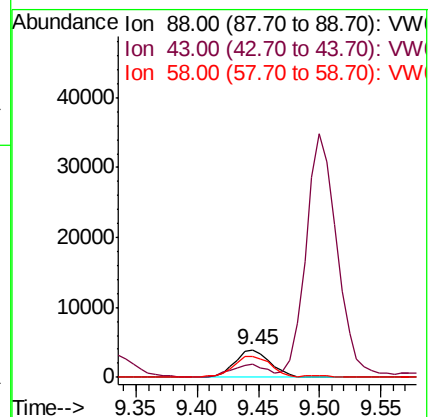
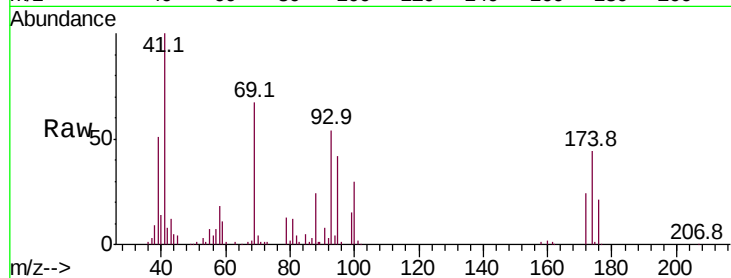
Tot Ion: 88 Resp: 7922

Ion Ratio Lower Upper

88 100

43 42.5 34.0 51.0

58 80.9 69.7 104.5



#50

Toluene-d8

Concen: 54.954 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011980.D

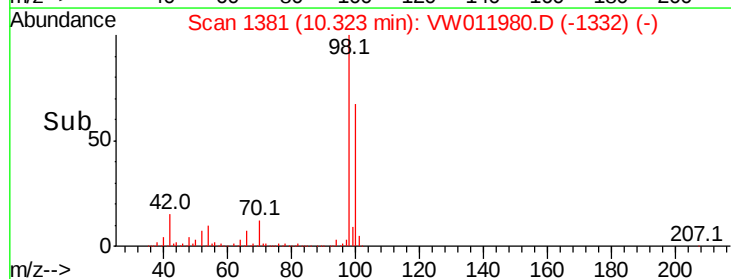
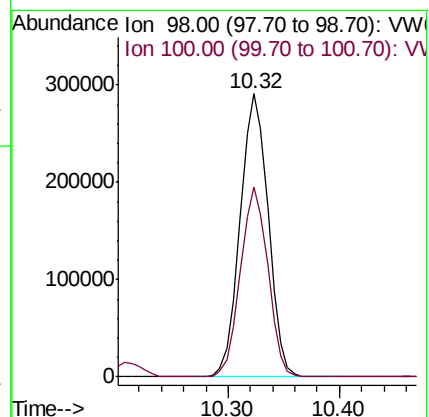
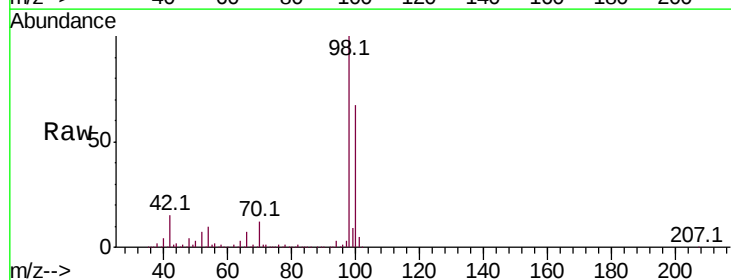
Acq: 19 Aug 2019 10:22

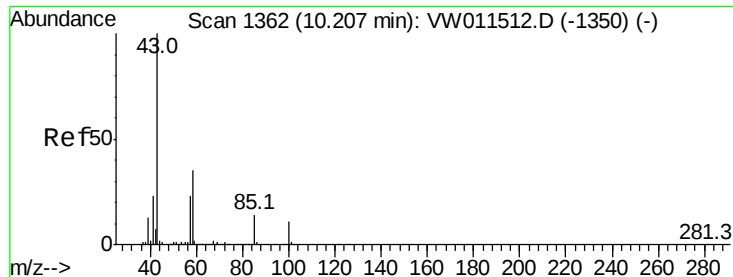
Tgt Ion: 98 Resp: 507374

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 89.826 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

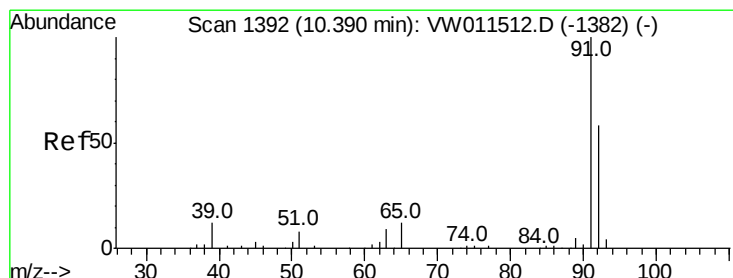
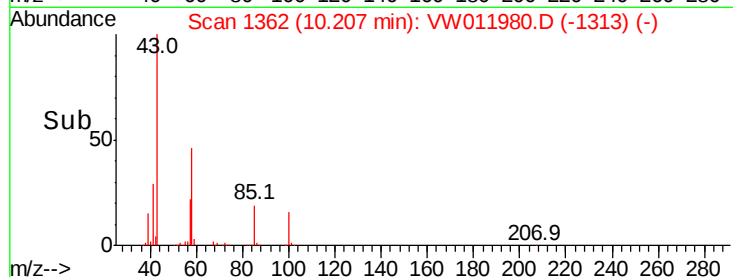
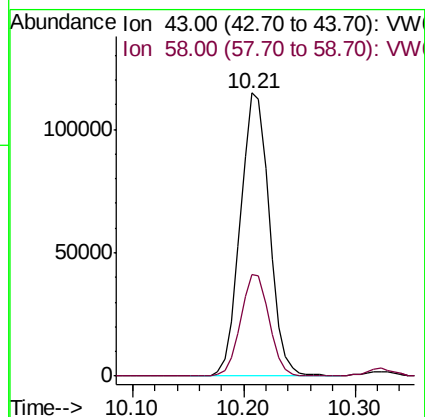
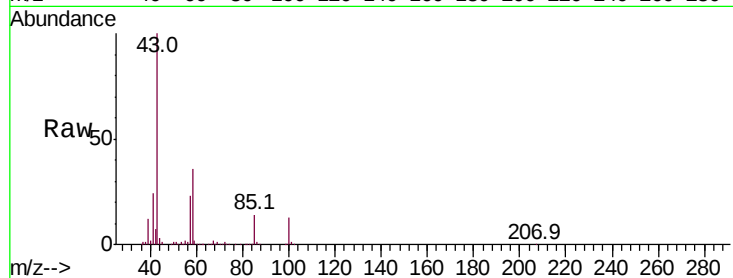
ClientSampled :

Tot Ion: 43 Resp: 206619

Ion Ratio Lower Upper

43 100

58 35.7 28.2 42.2



#52

Toluene

Concen: 19.729 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011980.D

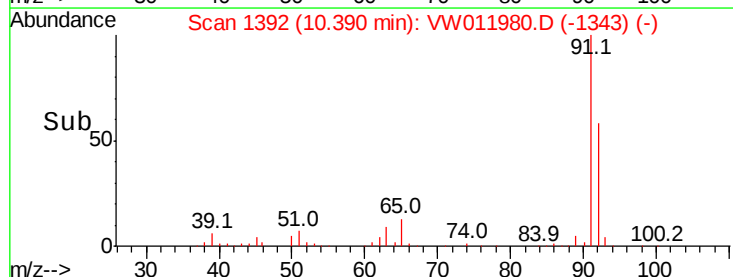
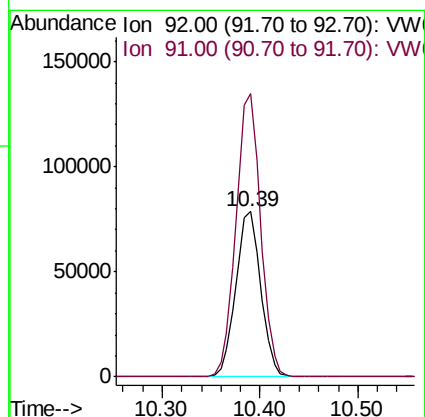
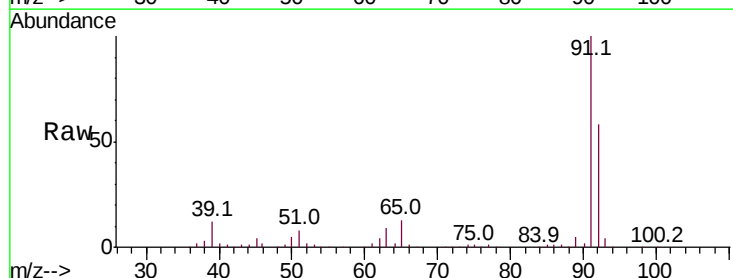
Acq: 19 Aug 2019 10:22

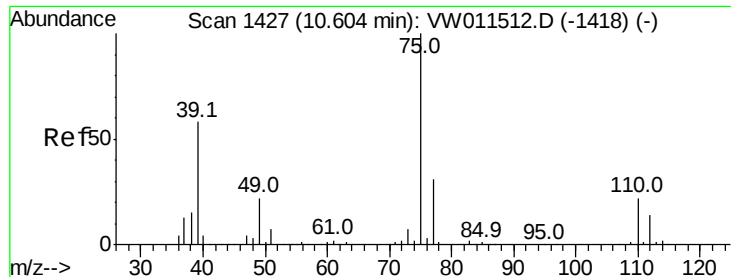
Tgt Ion: 92 Resp: 139485

Ion Ratio Lower Upper

92 100

91 169.7 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 18.759 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

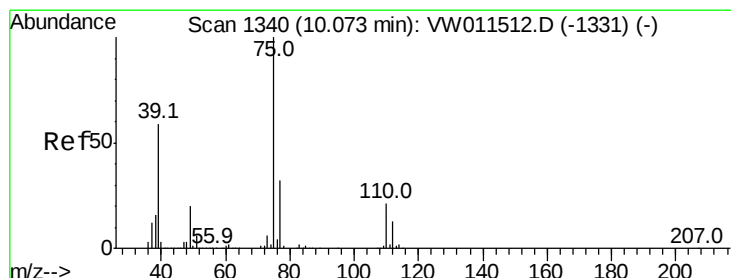
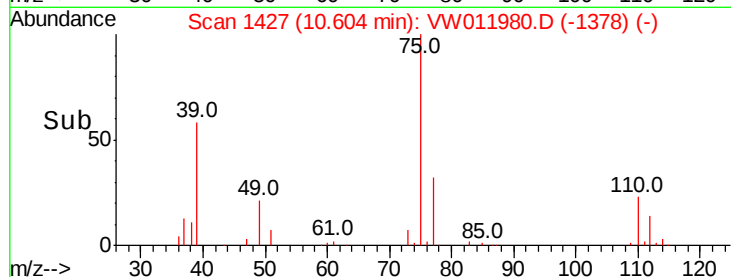
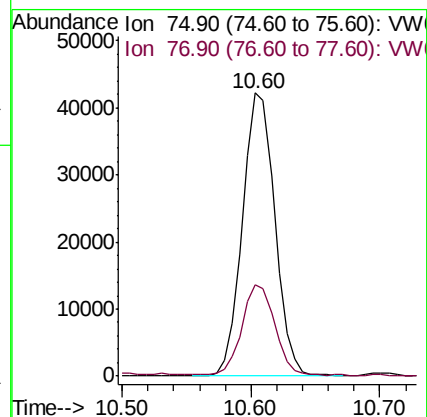
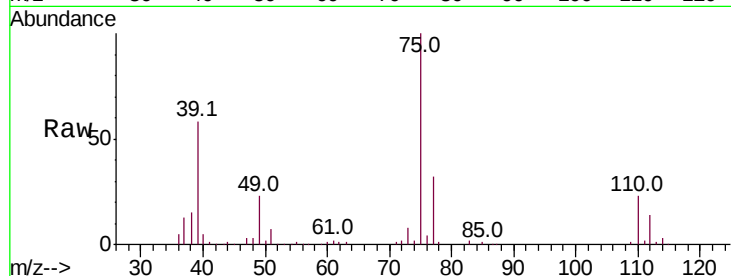
ClientSampled :

Tot Ion: 75 Resp: 73491

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 18.767 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

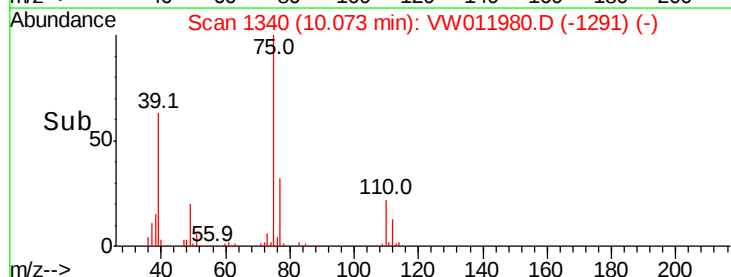
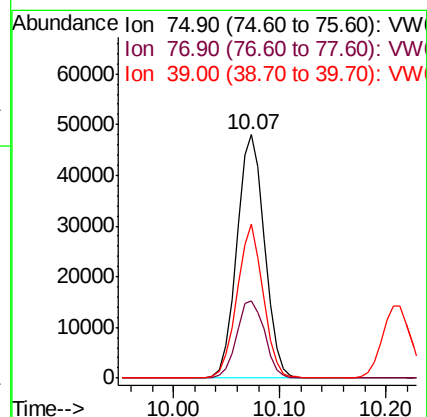
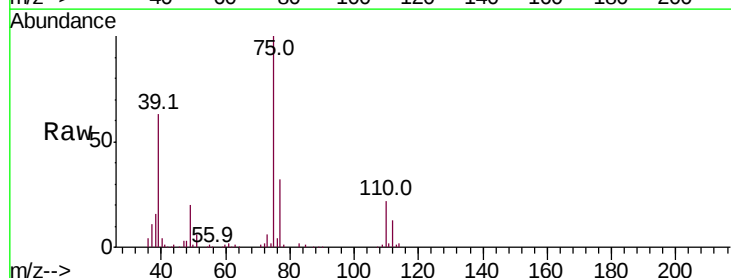
Tgt Ion: 75 Resp: 87418

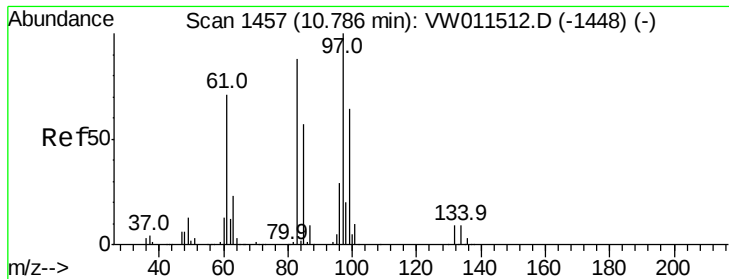
Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4

39 63.3 47.0 70.4

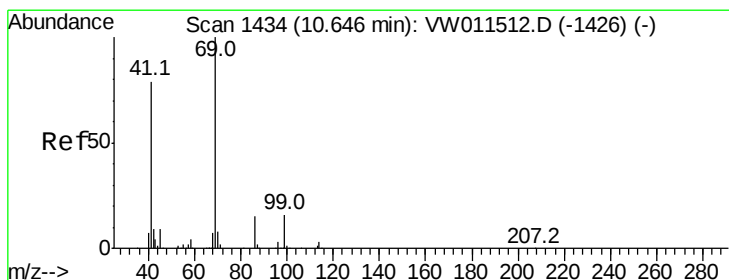
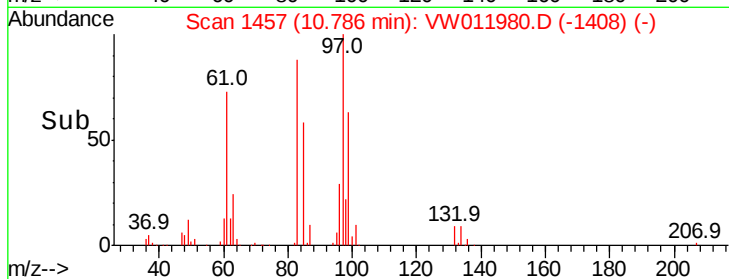
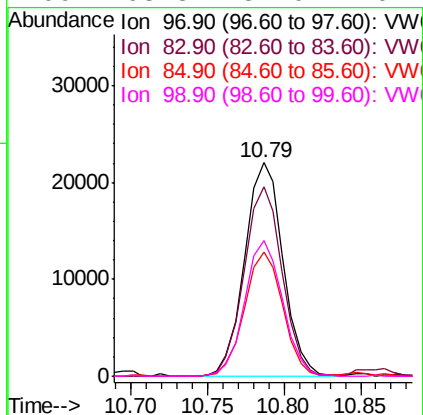
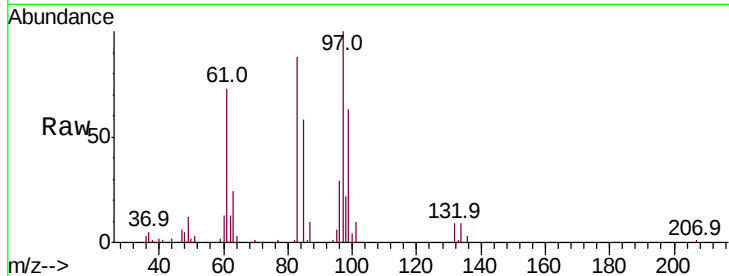




#55
 1,1,2-Trichloroethane
 Concen: 18.965 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

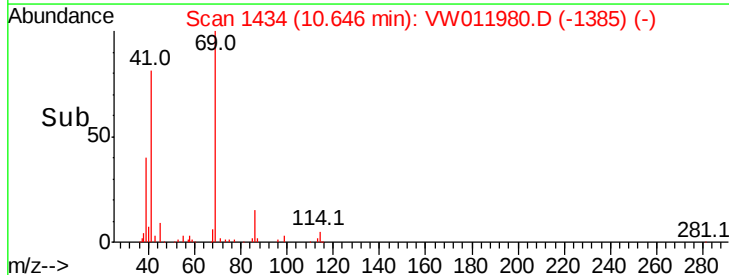
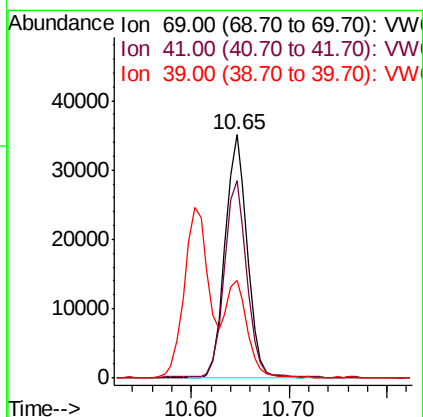
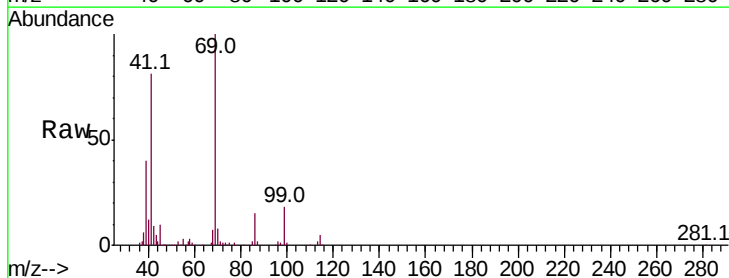
Instrument :
 MSVOA_W
 ClientSampleId :

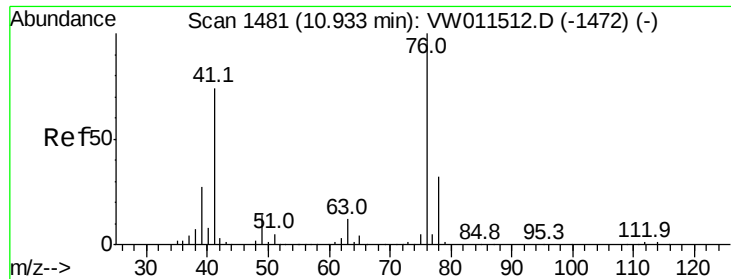
Tot Ion:	97	Resp:	38471
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.5	105.7
85	58.0	45.8	68.6
99	63.3	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 18.681 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion:	69	Resp:	55453
Ion	Ratio	Lower	Upper
69	100		
41	81.2	66.6	99.8
39	38.6	30.3	45.5





#57

1,3-Dichloropropane

Concen: 19.108 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

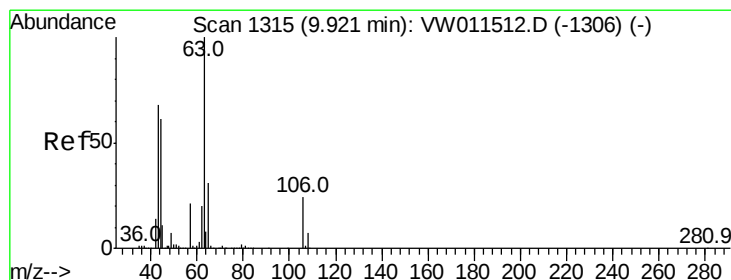
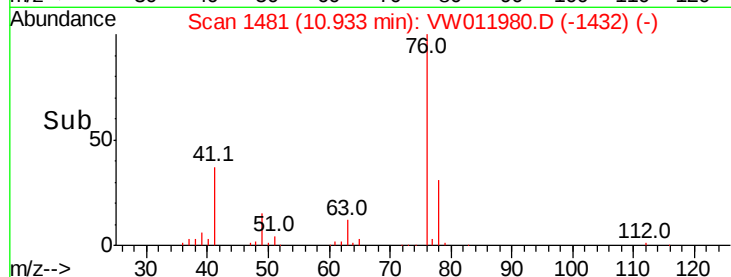
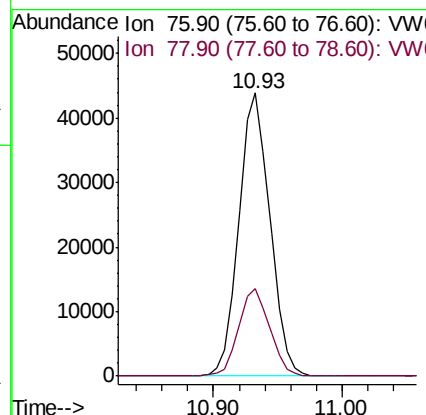
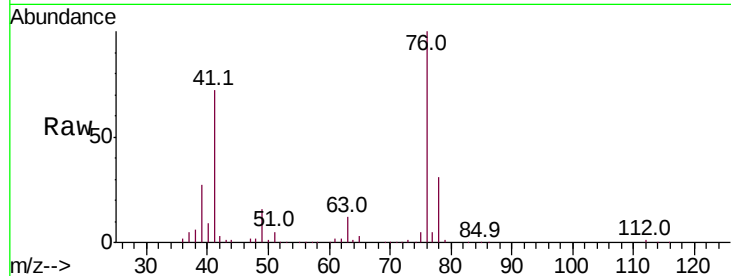
Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 73331

Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.2	37.8



#58

2-Chloroethyl Vinyl ether

Concen: 106.216 ug/l

RT: 9.92 min Scan# 1315

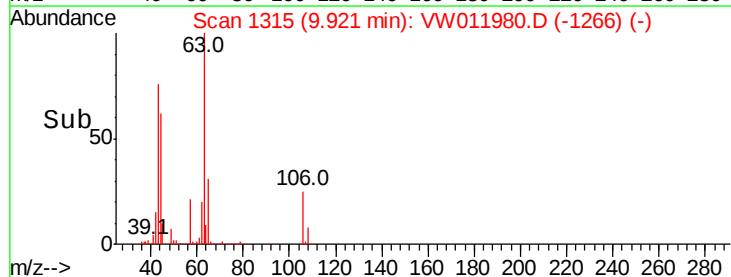
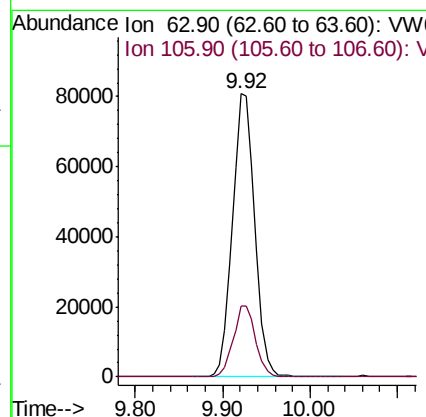
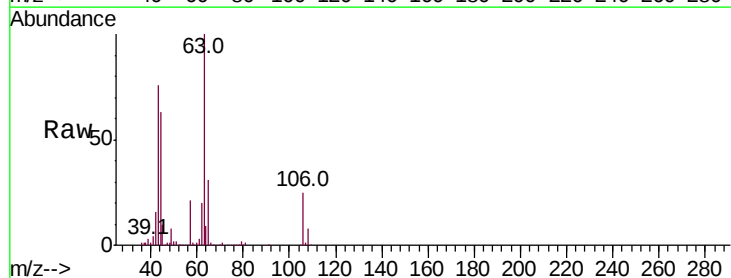
Delta R.T. -0.00 min

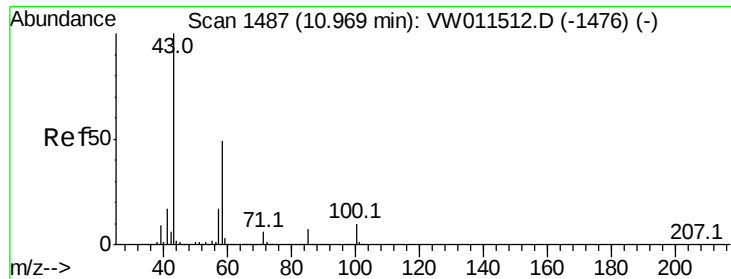
Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Tgt Ion: 63 Resp: 143154

Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.7	29.5

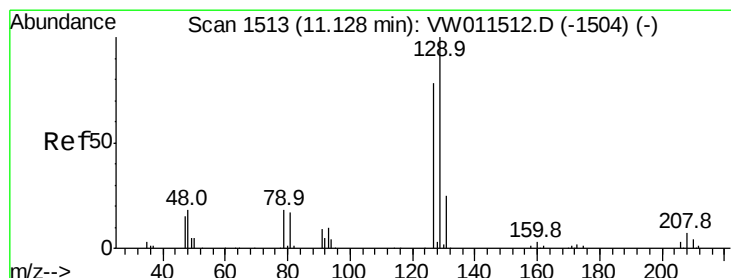
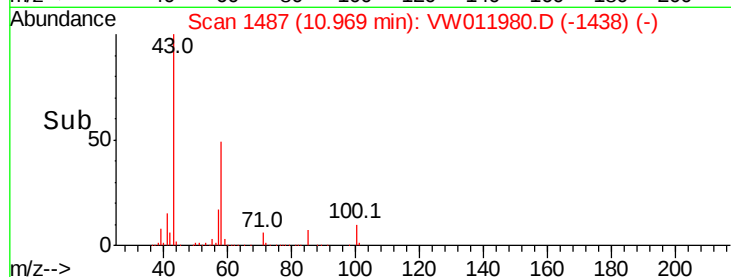
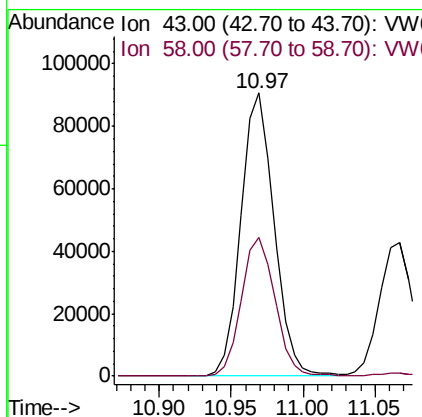
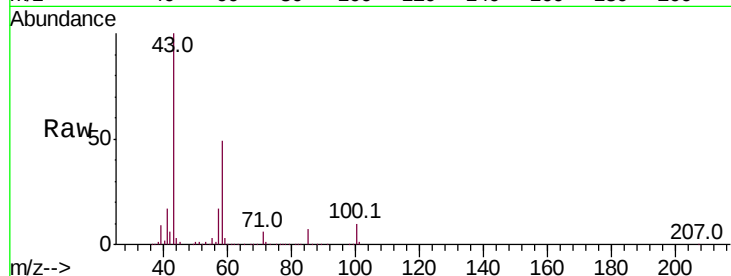




#59
2-Hexanone
Concen: 89.491 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

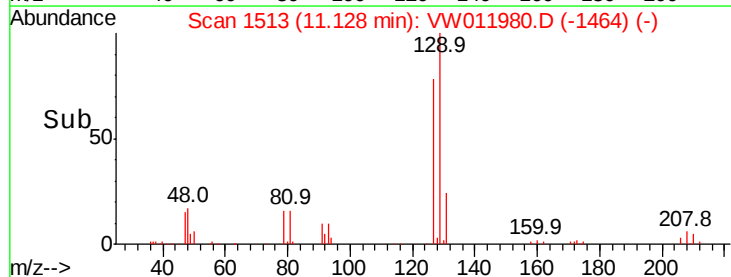
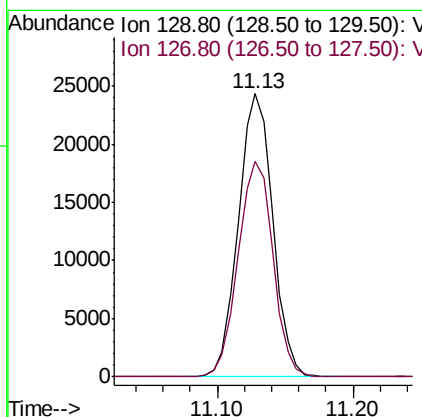
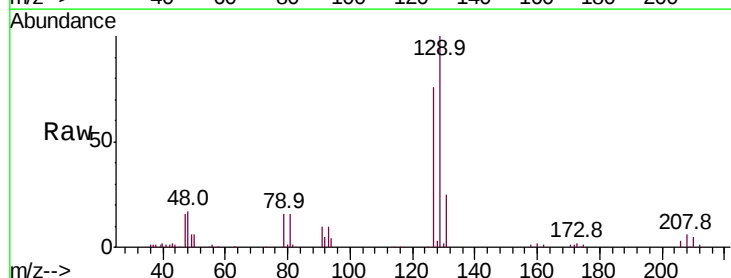
Instrument :
MSVOA_W
ClientSampleId :

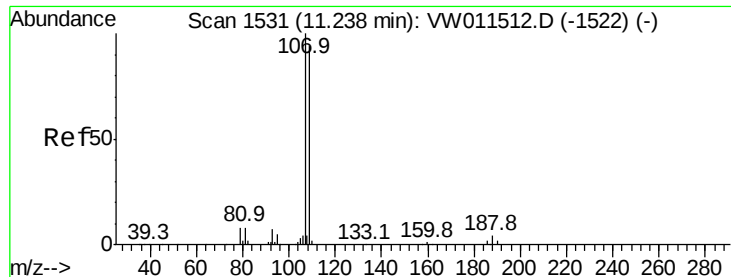
Tot Ion: 43 Resp: 145343
Ion Ratio Lower Upper
43 100
58 49.6 24.3 72.9



#60
Dibromochloromethane
Concen: 19.088 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion: 129 Resp: 42980
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.581 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

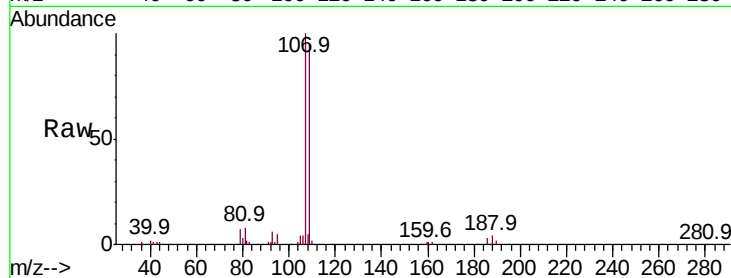
ClientSampleId :

Tot Ion:107 Resp: 35669

Ion Ratio Lower Upper

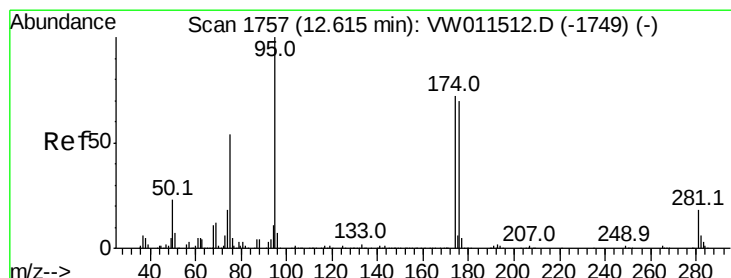
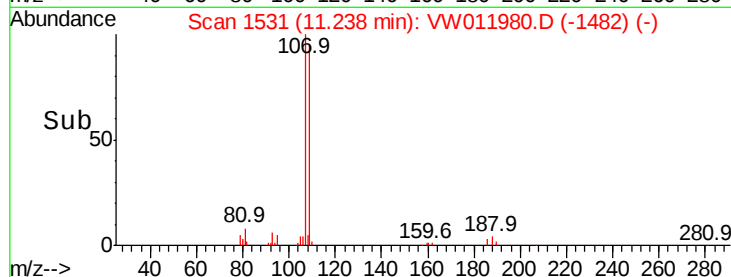
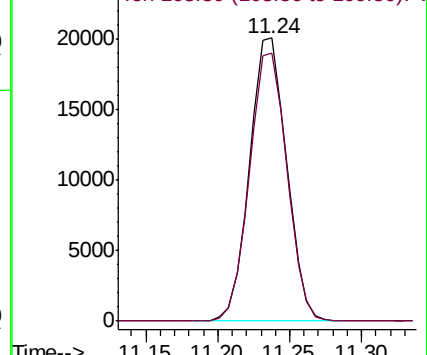
107 100

109 96.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.258 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

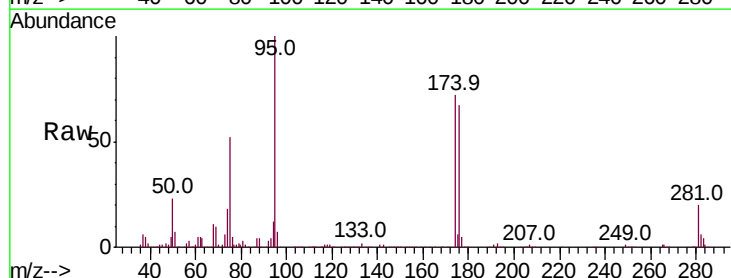
Tgt Ion: 95 Resp: 178596

Ion Ratio Lower Upper

95 100

174 78.0 0.0 150.2

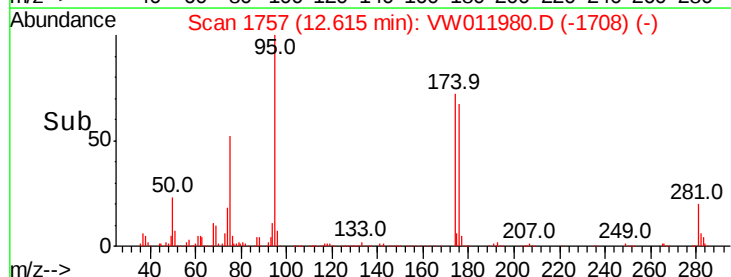
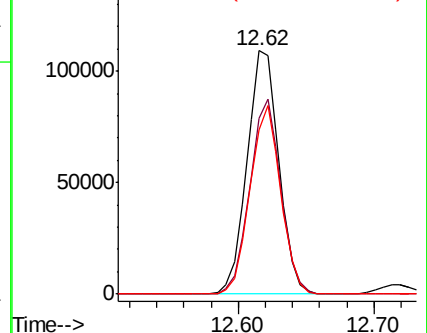
176 74.9 0.0 144.4

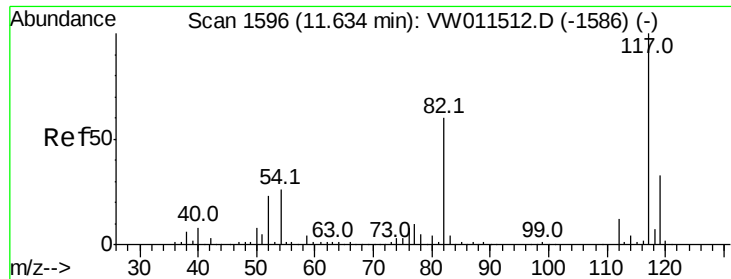


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

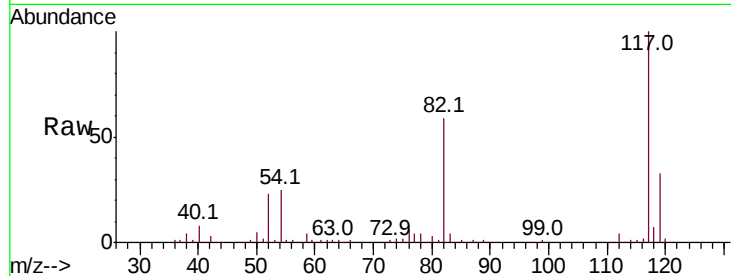




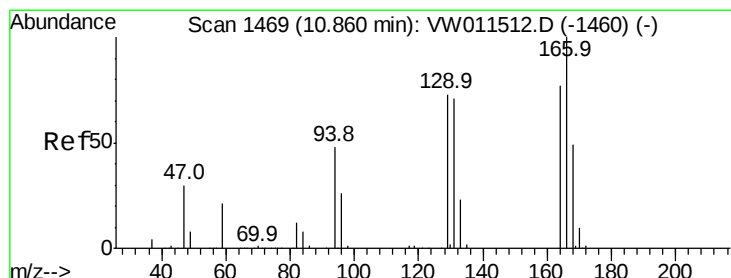
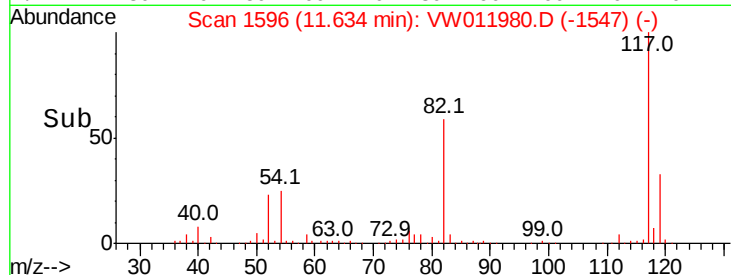
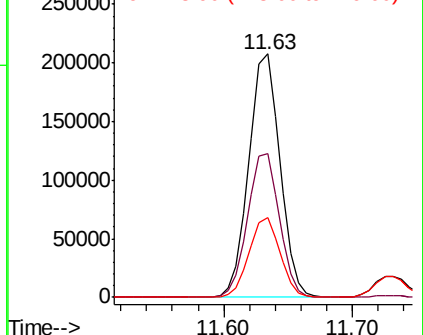
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 346806
Ion Ratio Lower Upper
117 100
82 58.8 47.9 71.9
119 32.6 26.2 39.2

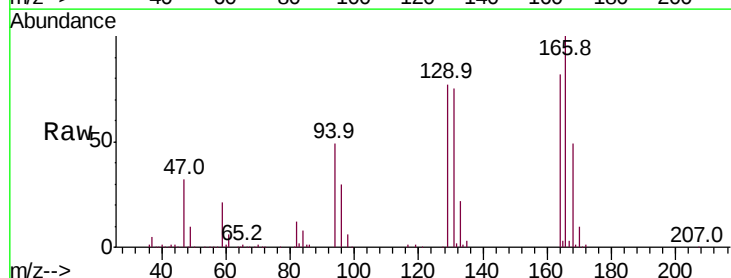


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

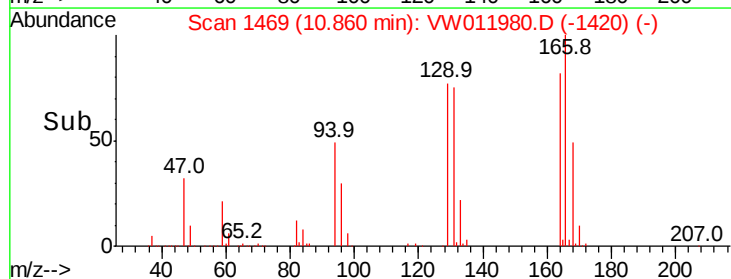
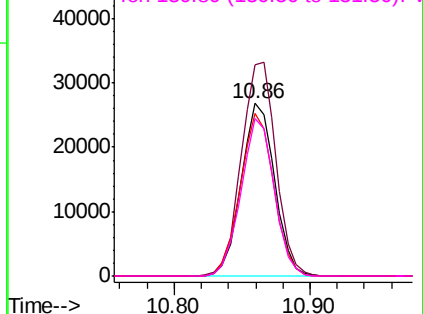


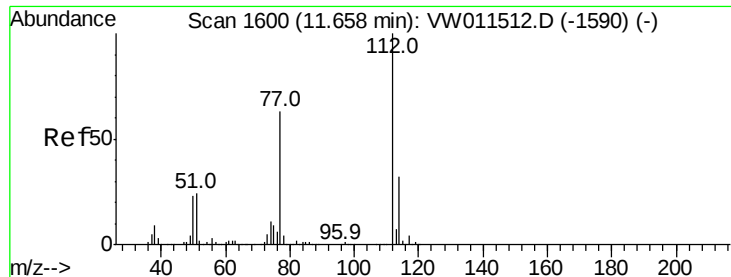
#64
Tetrachloroethene
Concen: 20.420 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion:164 Resp: 46109
Ion Ratio Lower Upper
164 100
166 122.3 103.5 155.3
129 93.9 75.2 112.8
131 91.5 73.4 110.2



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

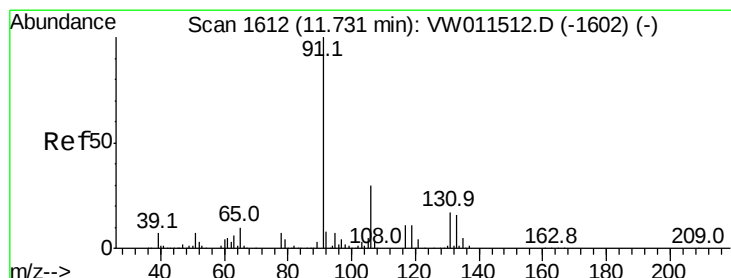
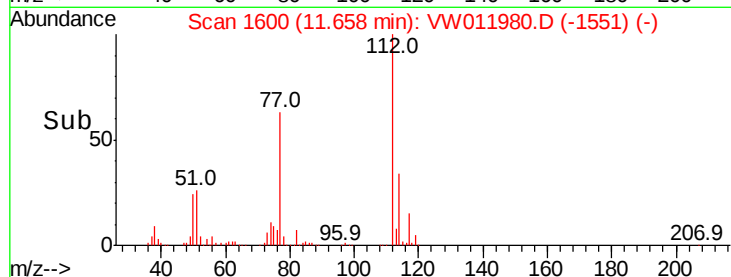
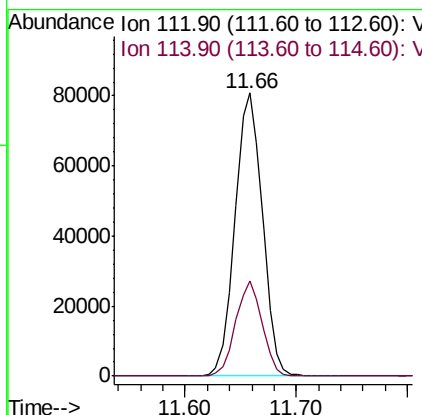
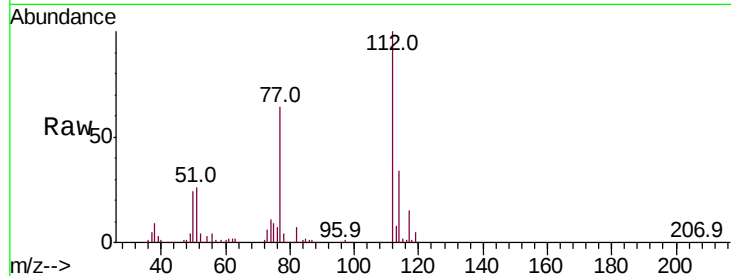




#65
Chlorobenzene
Concen: 19.744 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

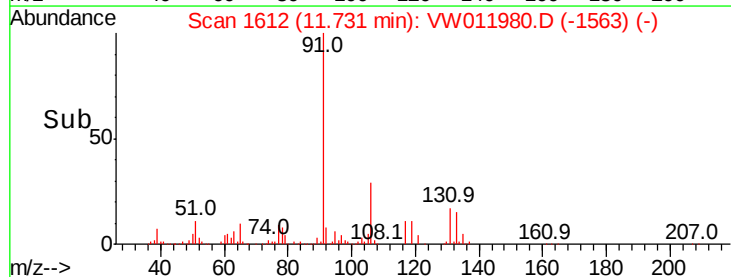
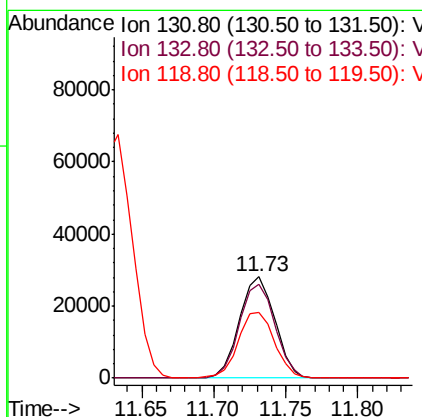
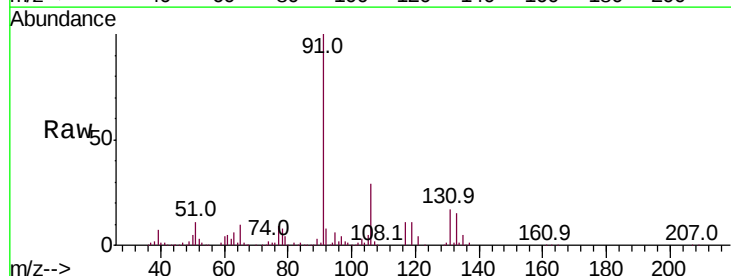
Instrument :
MSVOA_W
ClientSampleId :

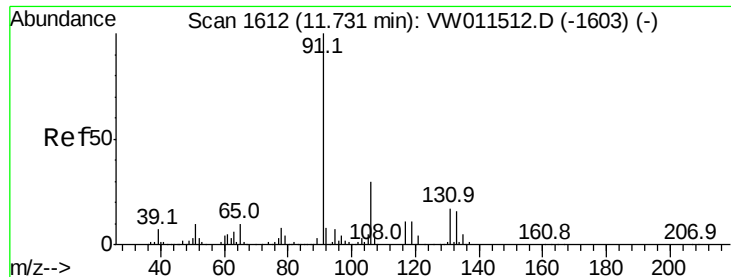
Tot Ion:112 Resp: 137663
Ion Ratio Lower Upper
112 100
114 33.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.939 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion:131 Resp: 48424
Ion Ratio Lower Upper
131 100
133 92.7 47.4 142.2
119 66.5 32.3 96.9

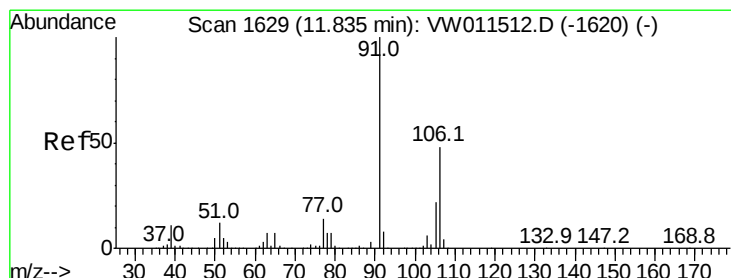
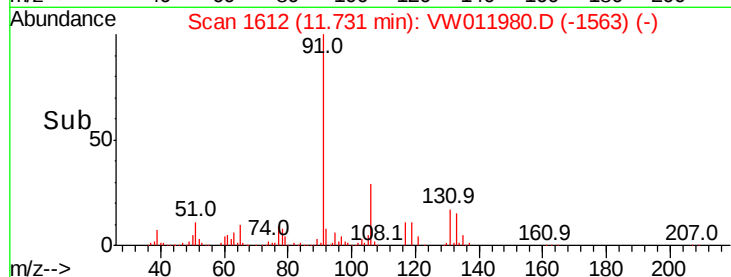
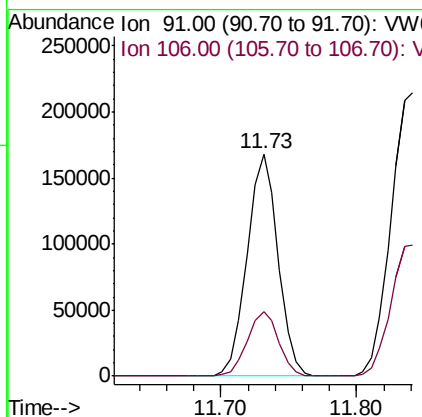
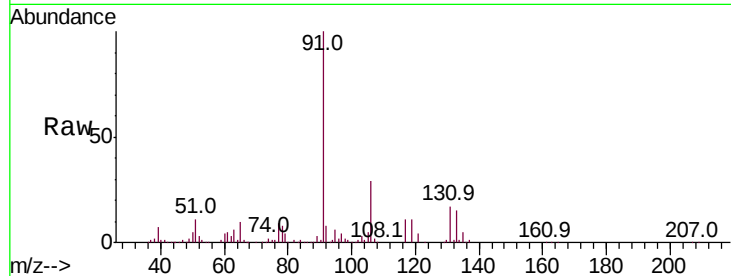




#67
Ethyl Benzene
Concen: 20.189 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

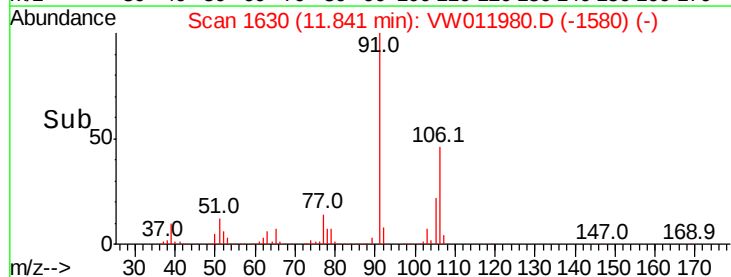
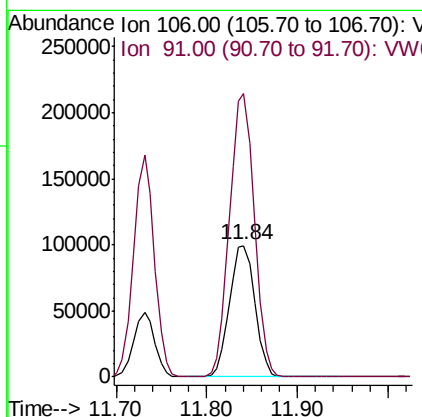
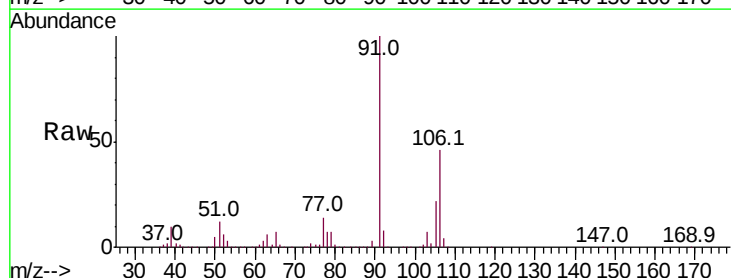
Instrument :
MSVOA_W
ClientSampled :

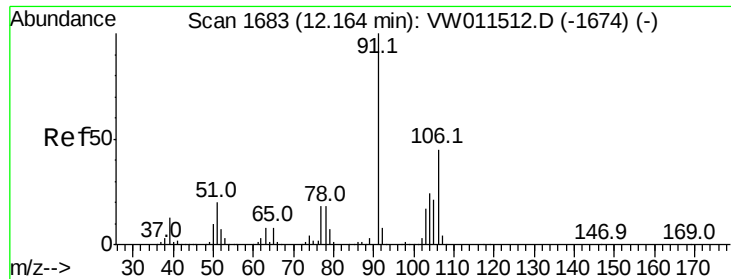
Tot Ion: 91 Resp: 268099
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6



#68
m/p-Xylenes
Concen: 40.175 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion: 106 Resp: 194017
Ion Ratio Lower Upper
106 100
91 210.3 168.2 252.2

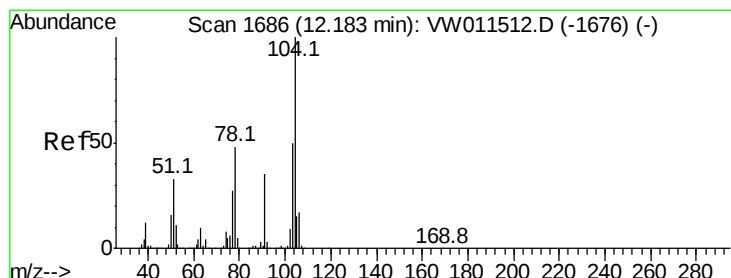
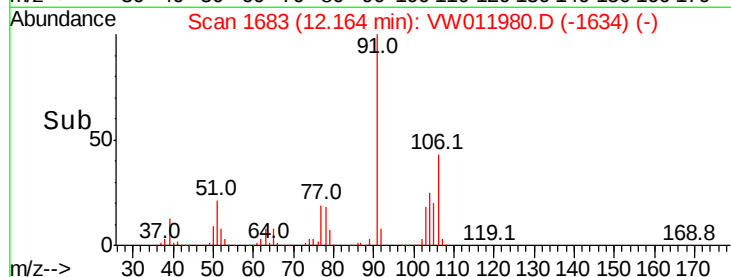
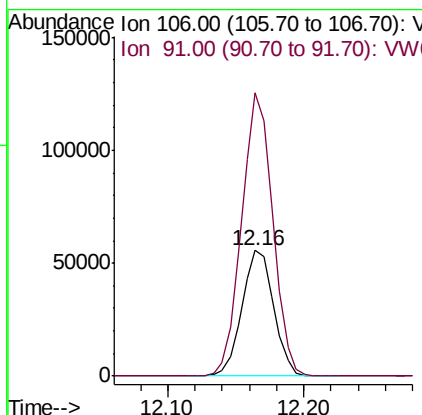
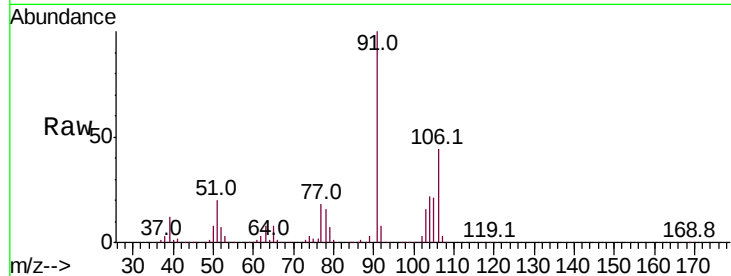




#69
o-Xylene
Concen: 20.246 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

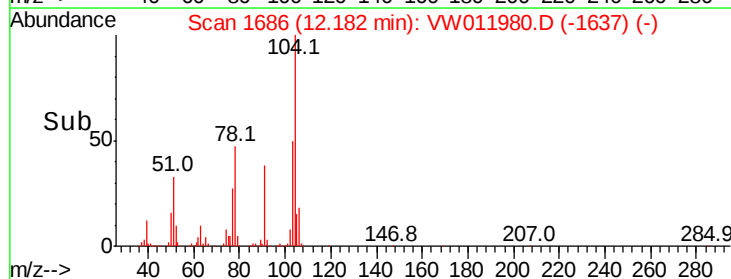
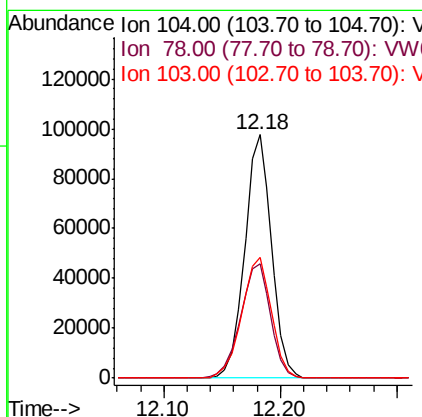
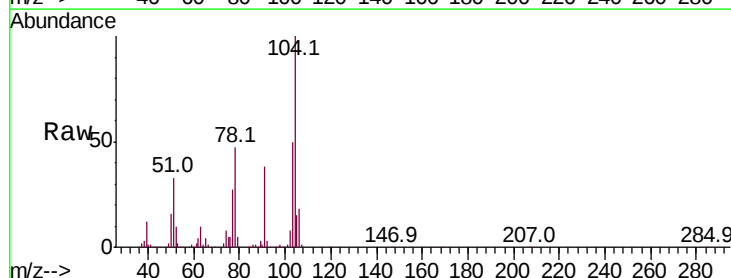
Instrument :
MSVOA_W
ClientSampled :

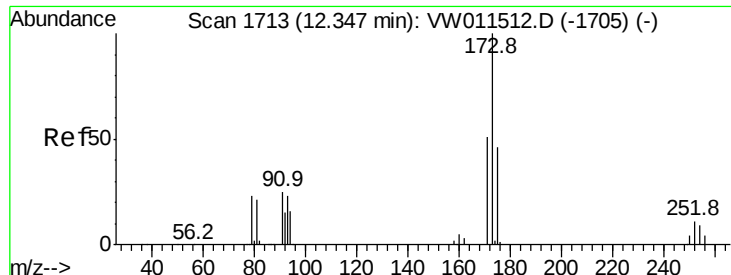
Tot Ion:106 Resp: 90857
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.5



#70
Styrene
Concen: 20.087 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion:104 Resp: 155856
Ion Ratio Lower Upper
104 100
78 52.9 43.4 65.0
103 54.9 43.9 65.9





#71

Bromoform

Concen: 19.284 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

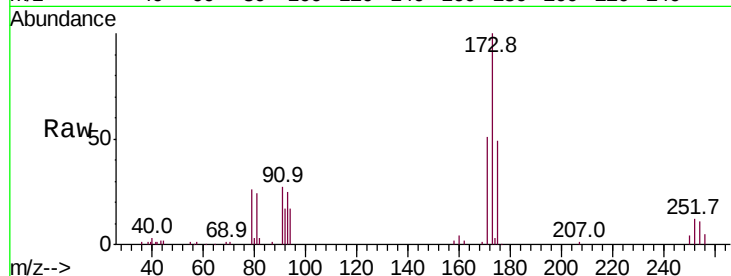
Tot Ion:173 Resp: 23879

Ion Ratio Lower Upper

173 100

175 49.1 23.6 71.0

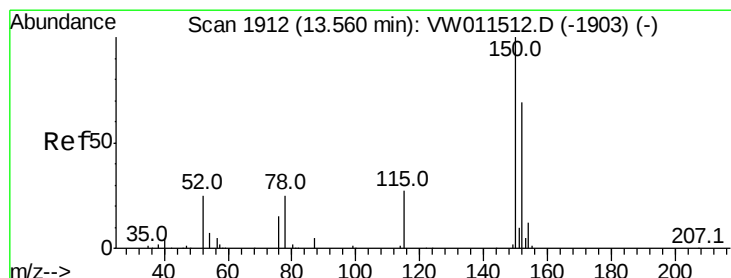
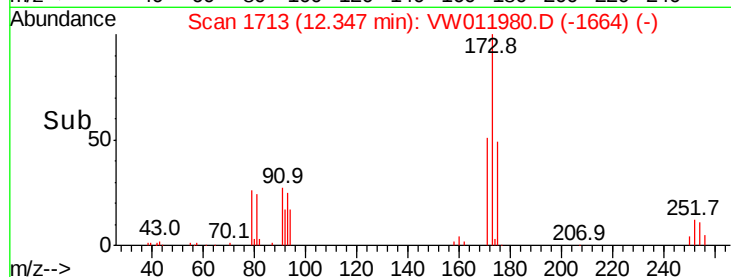
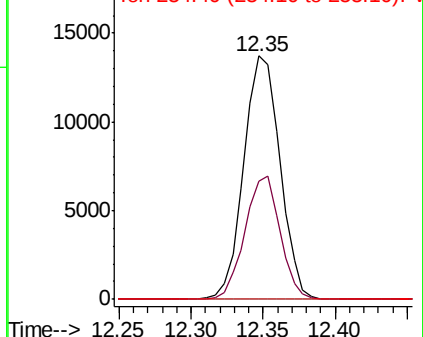
254 0.0 0.1 0.1#



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: VW011980.D

Acq: 19 Aug 2019 10:22

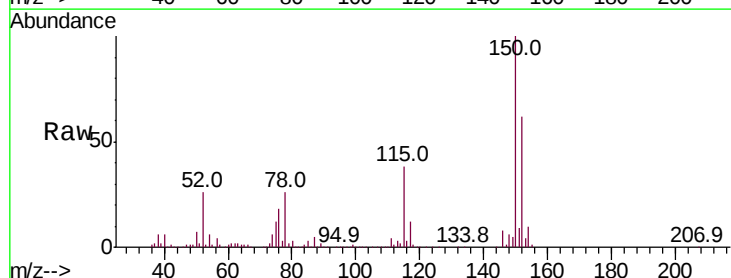
Tgt Ion:152 Resp: 167949

Ion Ratio Lower Upper

152 100

115 59.9 30.5 91.5

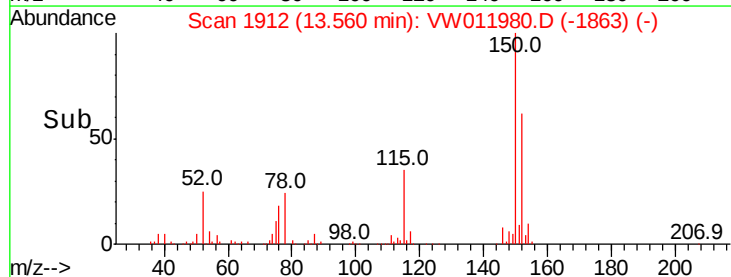
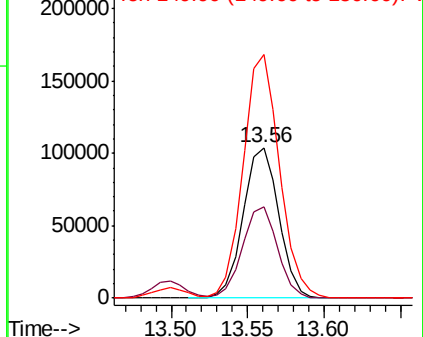
150 165.0 0.0 352.6

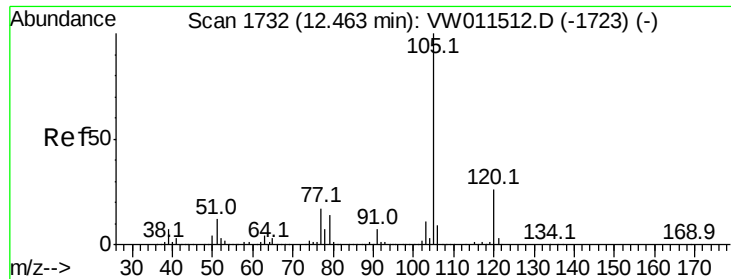


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.357 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

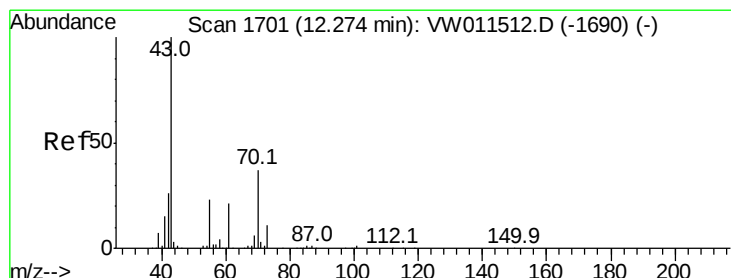
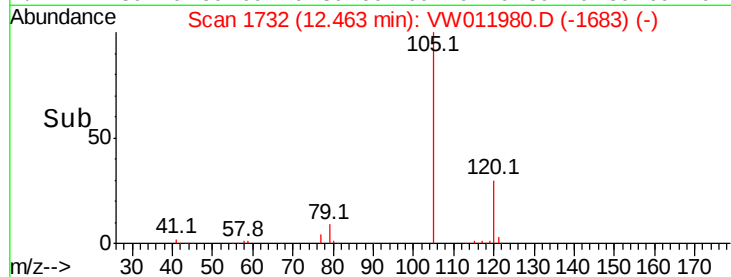
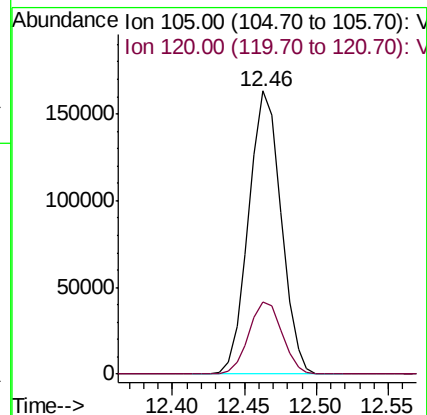
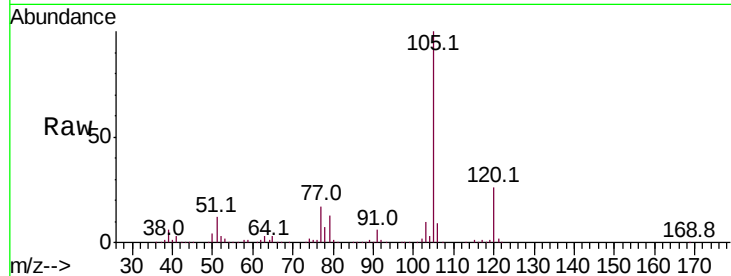
ClientSampleId :

Tot Ion:105 Resp: 255061

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7



#74

N-ethyl acetate

Concen: 19.127 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Tgt Ion: 43 Resp: 75029

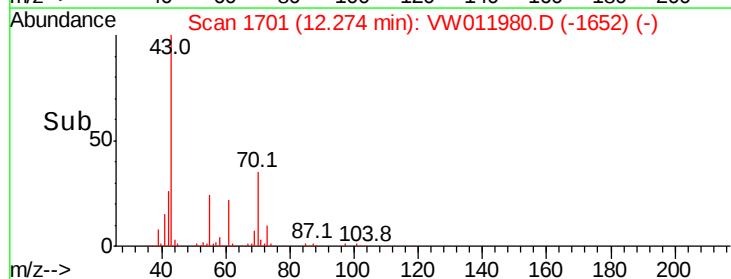
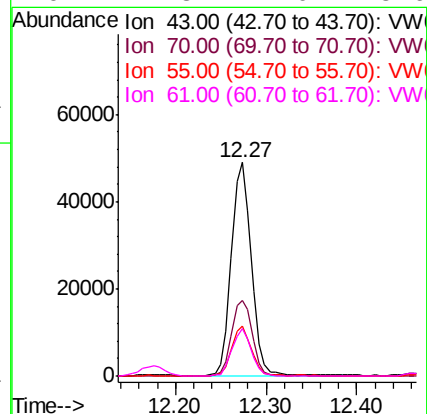
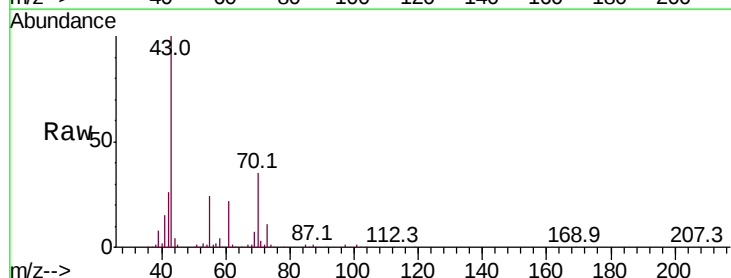
Ion Ratio Lower Upper

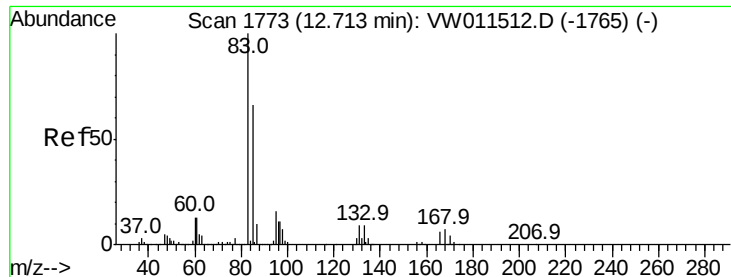
43 100

70 36.7 28.6 43.0

55 23.2 17.8 26.8

61 21.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.521 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

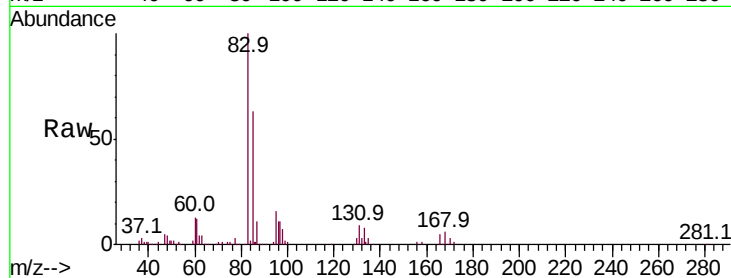
Tot Ion: 83 Resp: 46006

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.6

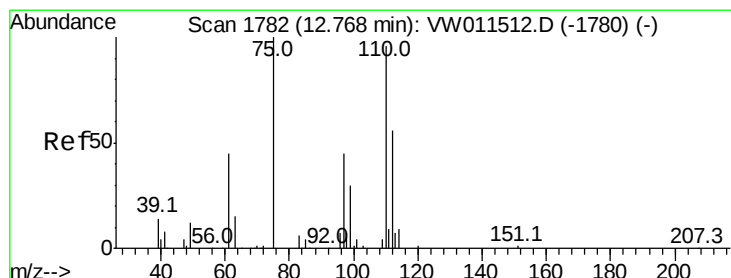
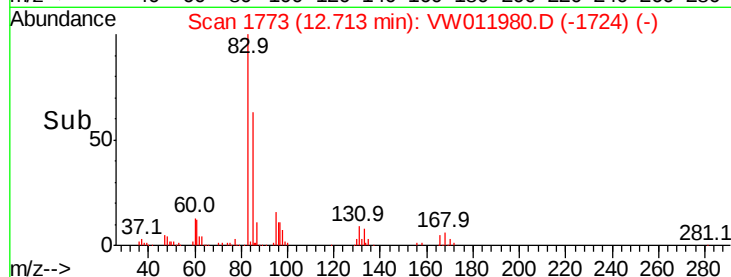
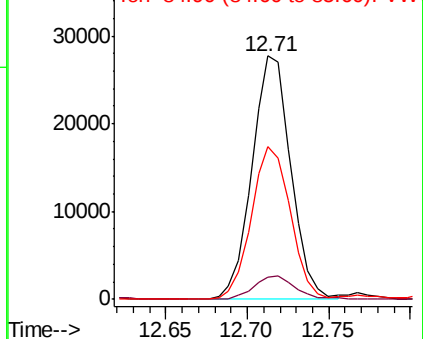
85 63.2 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.017 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011980.D

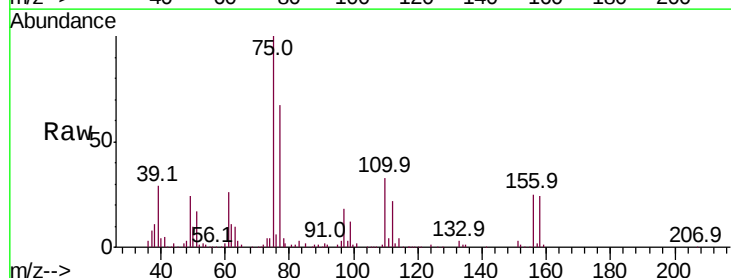
Acq: 19 Aug 2019 10:22

Tgt Ion: 75 Resp: 60452

Ion Ratio Lower Upper

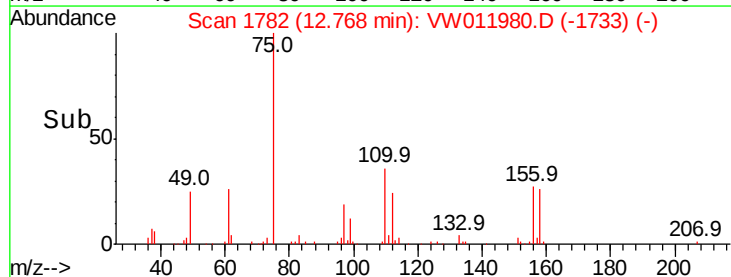
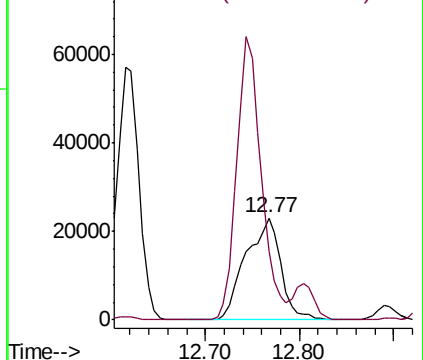
75 100

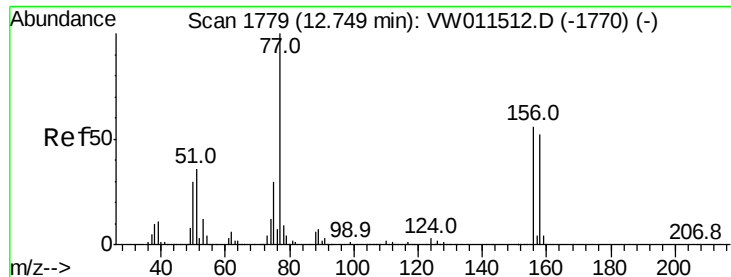
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.043 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampled :

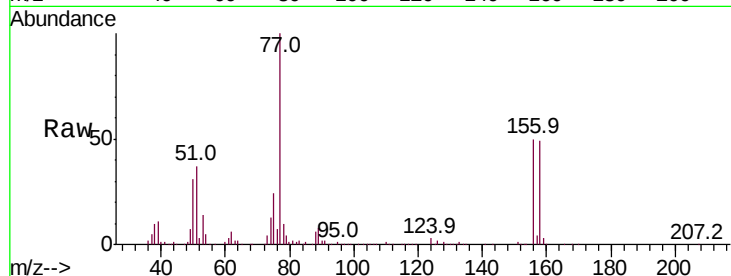
Tot Ion:156 Resp: 55507

Ion Ratio Lower Upper

156 100

77 210.6 106.5 319.4

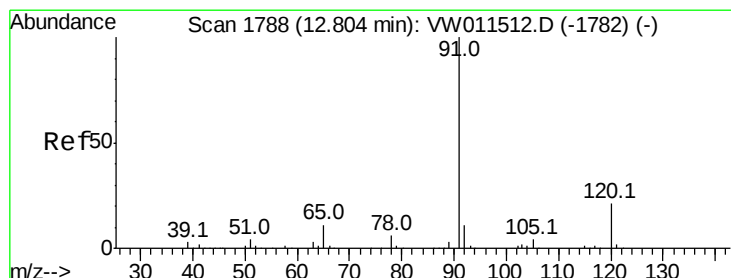
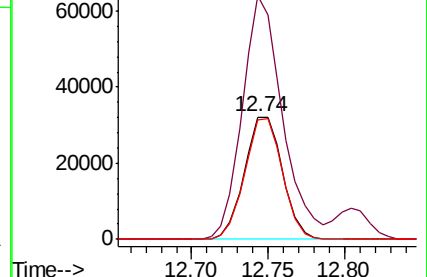
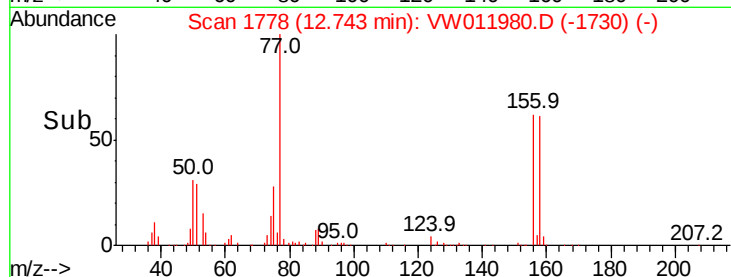
158 97.5 48.0 144.2



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: 20.480 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011980.D

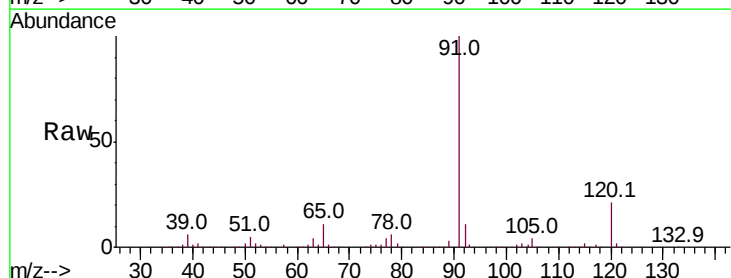
Acq: 19 Aug 2019 10:22

Tgt Ion: 91 Resp: 312288

Ion Ratio Lower Upper

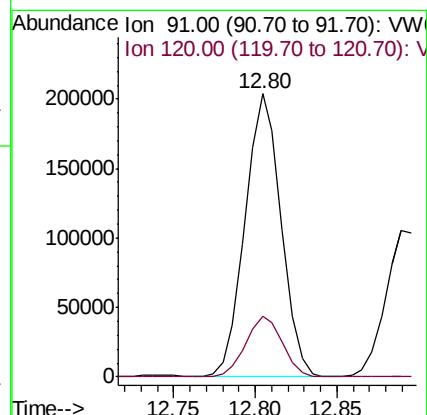
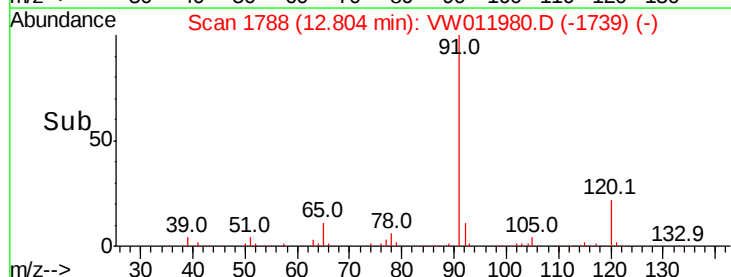
91 100

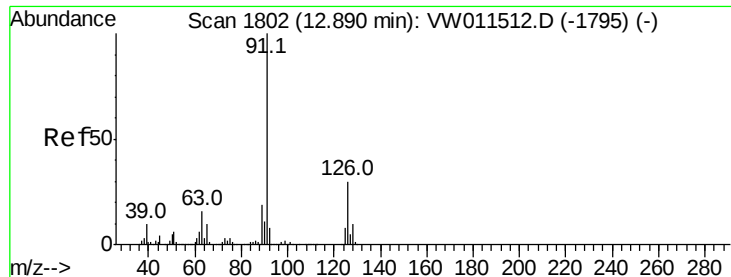
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.871 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

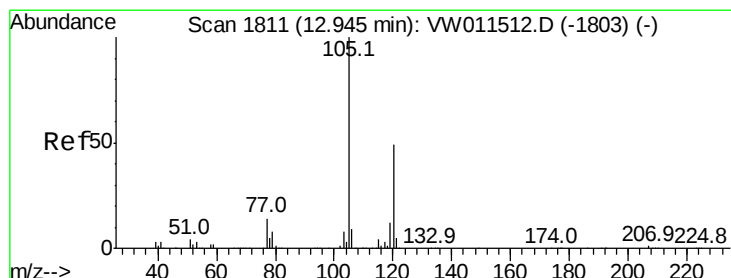
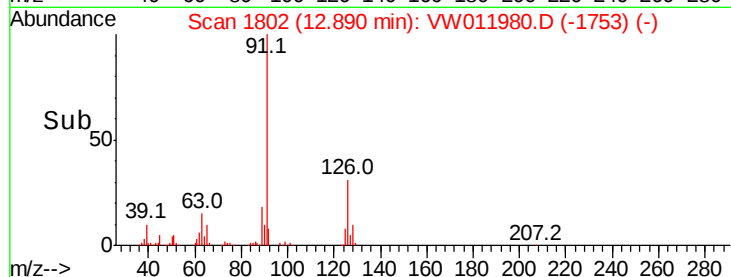
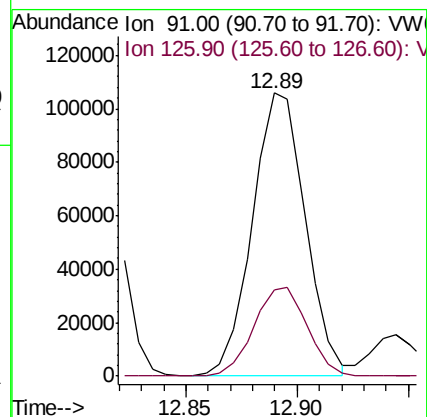
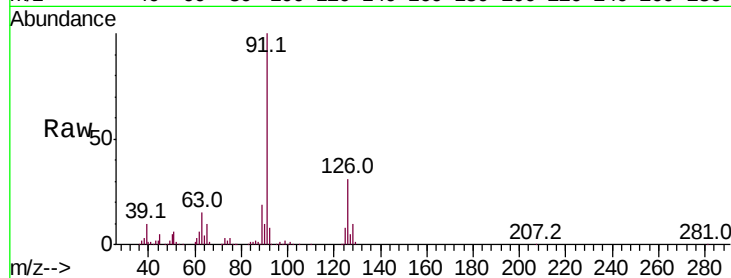
ClientSampled :

Tot Ion: 91 Resp: 174562

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 20.439 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011980.D

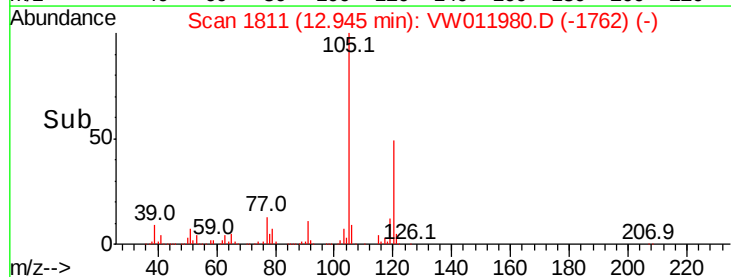
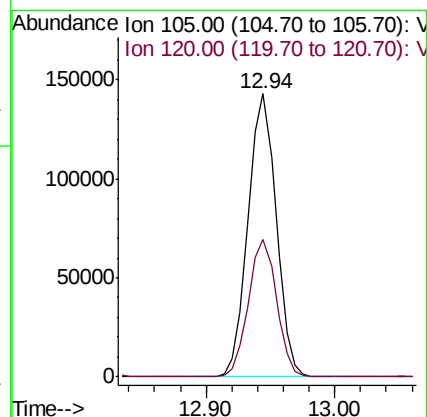
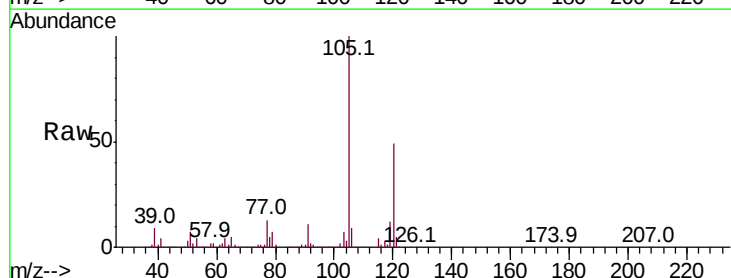
Acq: 19 Aug 2019 10:22

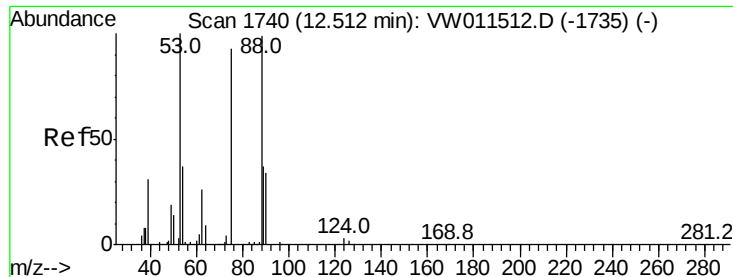
Tgt Ion:105 Resp: 214663

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.3

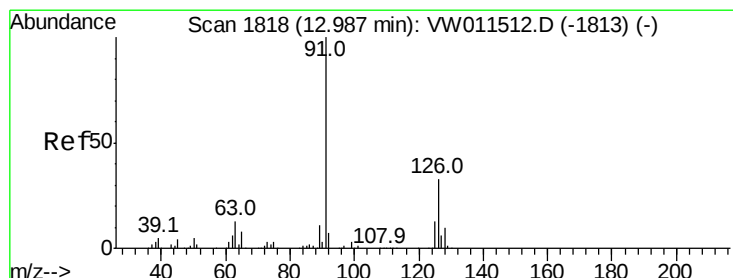
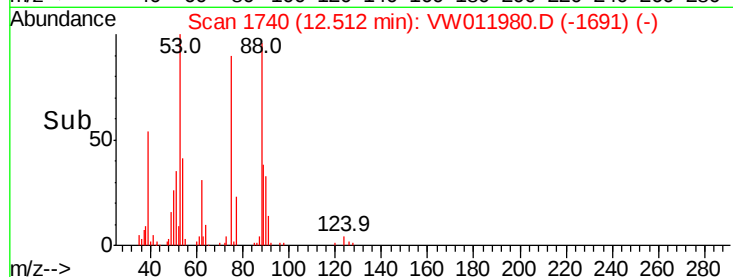
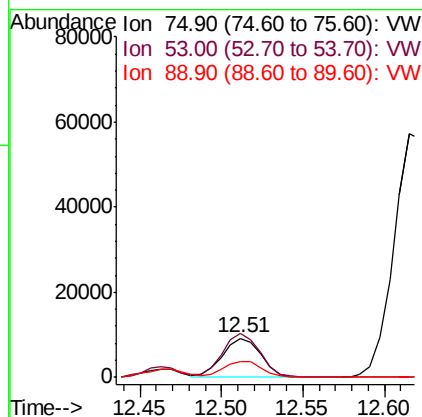
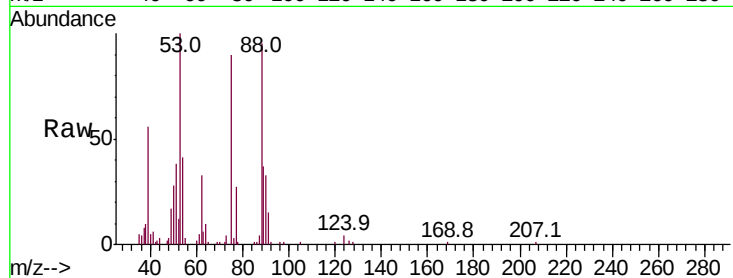




#81
trans-1,4-Dichloro-2-butene
Concen: 19.655 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

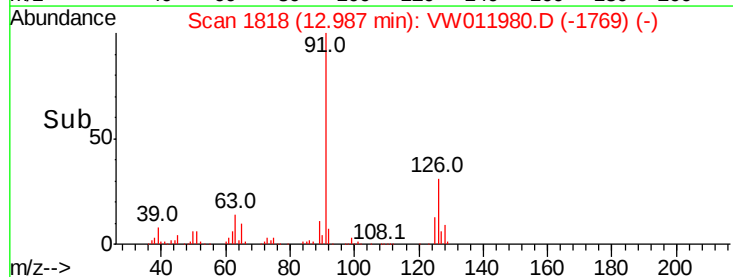
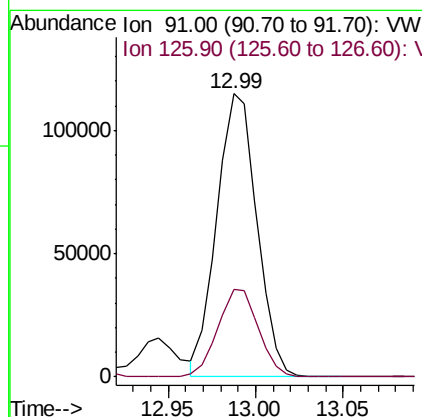
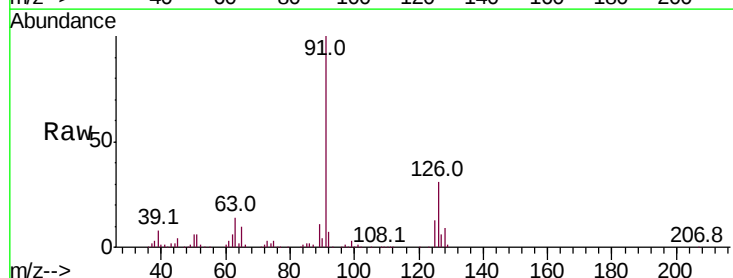
Instrument :
MSVOA_W
ClientSampleId :

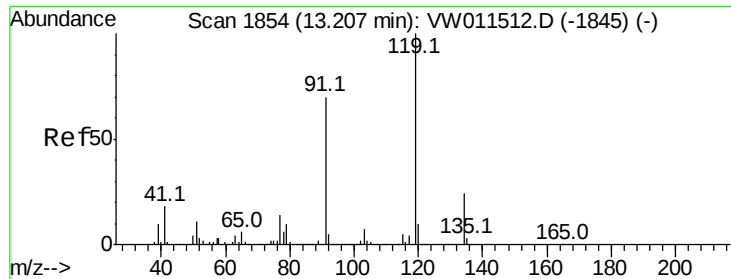
Tot Ion: 75 Resp: 15156
Ion Ratio Lower Upper
75 100
53 109.6 88.0 132.0
89 41.3 35.3 52.9



#82
4-Chlorotoluene
Concen: 19.872 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion: 91 Resp: 183159
Ion Ratio Lower Upper
91 100
126 31.5 15.6 46.8

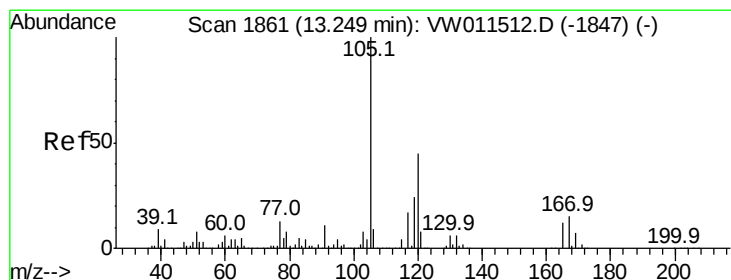
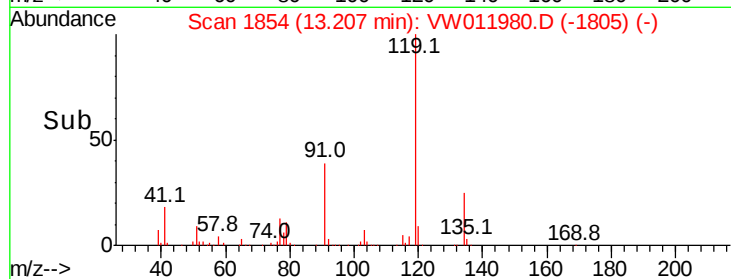
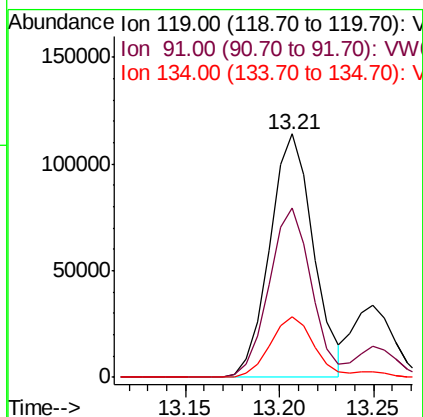
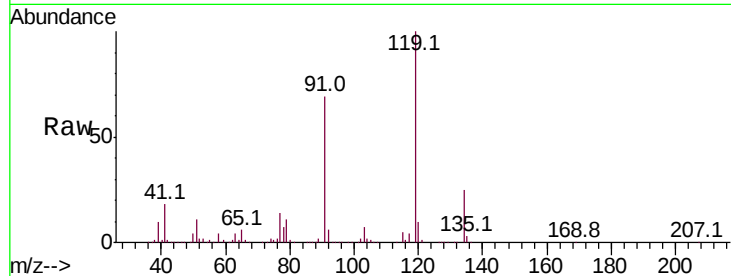




#83
 tert-Butylbenzene
 Concen: 20.869 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

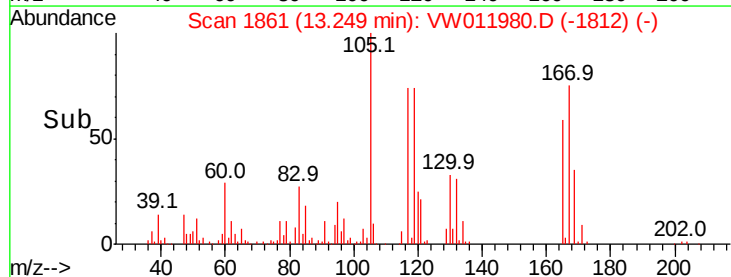
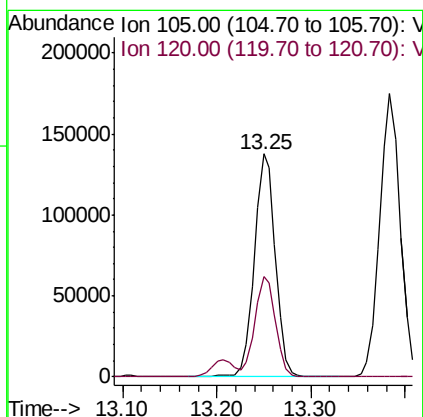
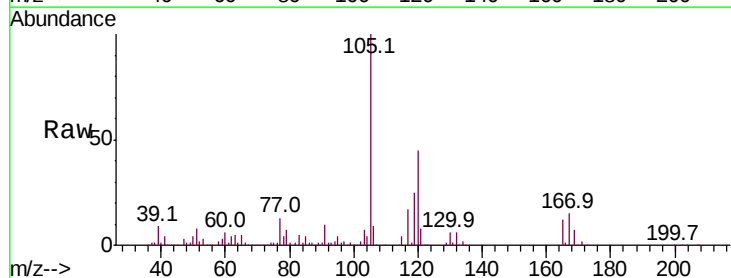
Instrument :
 MSVOA_W
 ClientSampled :

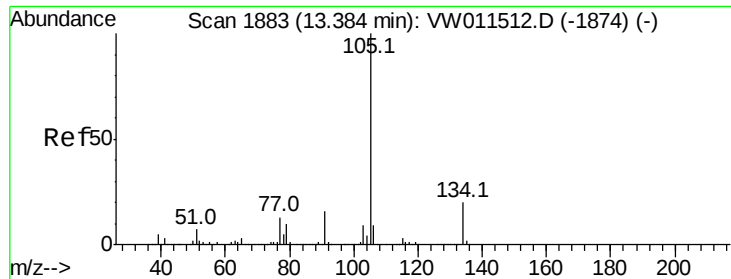
Tot Ion:119 Resp: 183289
 Ion Ratio Lower Upper
 119 100
 91 67.4 34.5 103.6
 134 25.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.508 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion:105 Resp: 216971
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5

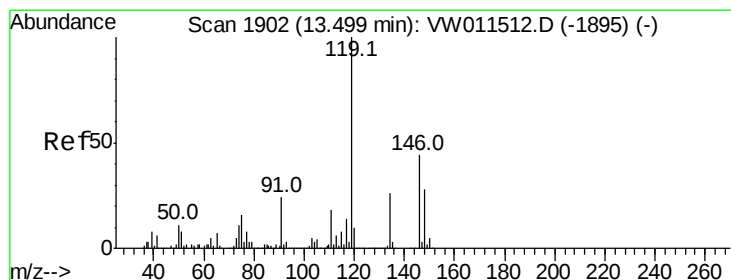
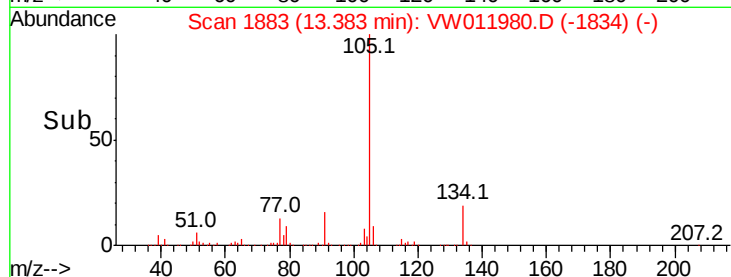
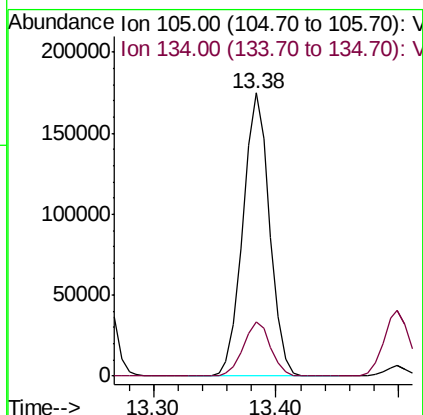
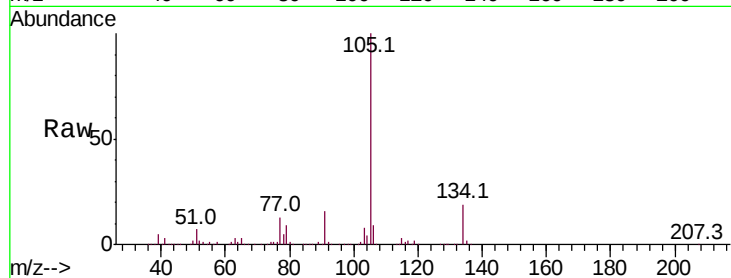




#85
 sec-Butylbenzene
 Concen: 21.044 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

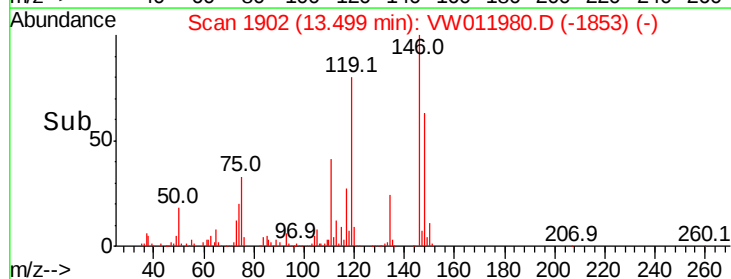
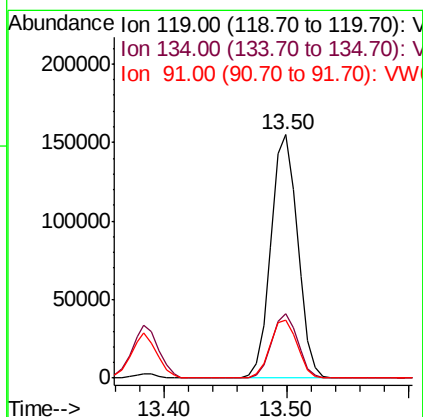
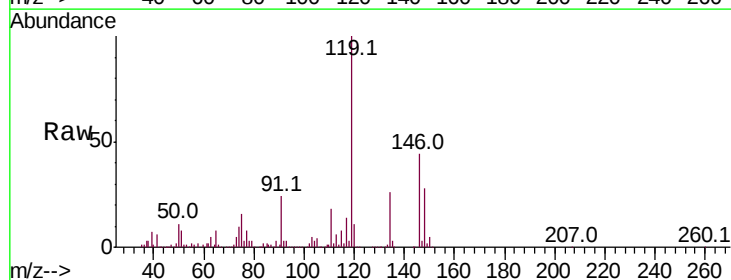
Instrument :
 MSVOA_W
 ClientSampleId :

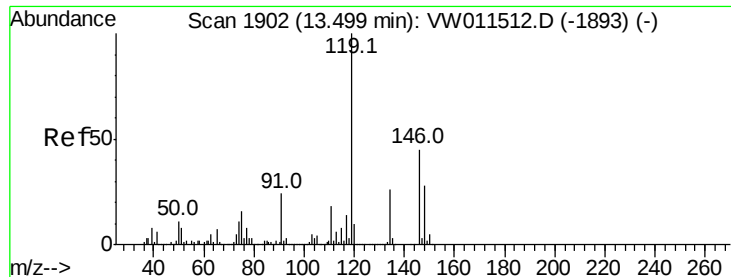
Tot Ion:105 Resp: 263724
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.658 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion:119 Resp: 234897
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.4
 91 24.1 12.1 36.3

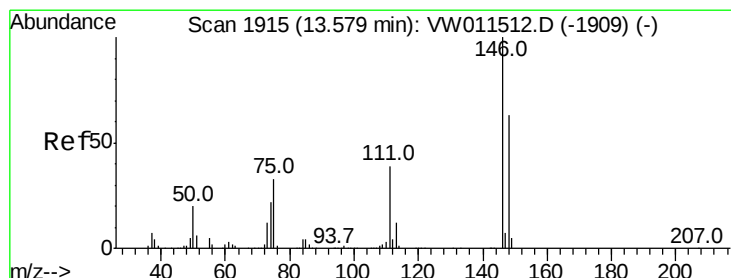
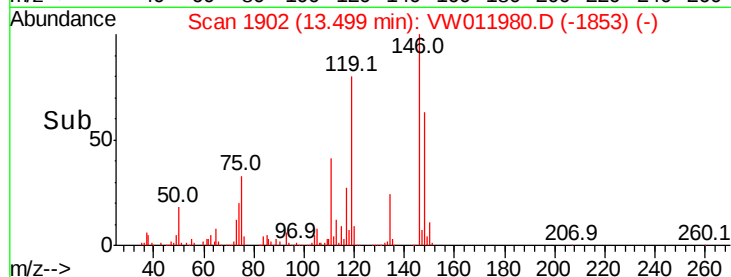
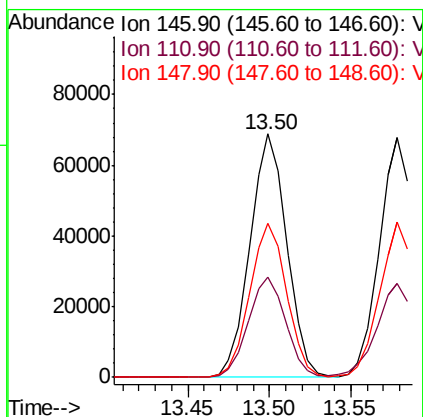
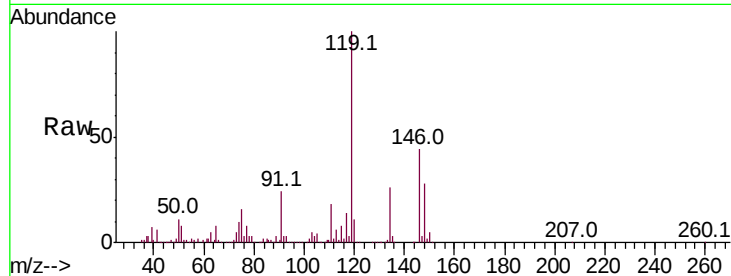




#87
 1,3-Dichlorobenzene
 Concen: 19.944 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

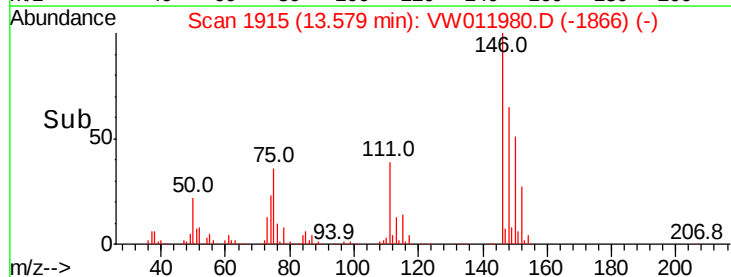
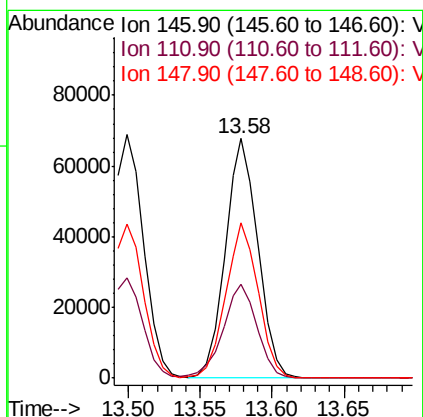
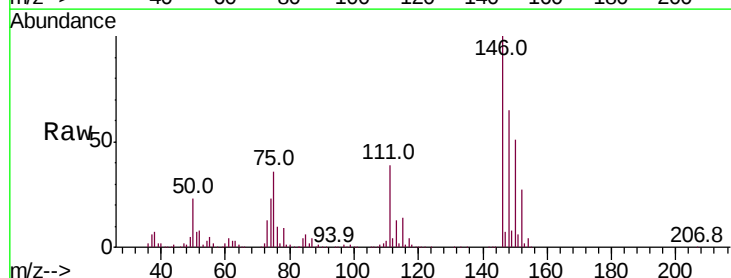
Instrument :
 MSVOA_W
 ClientSampled :

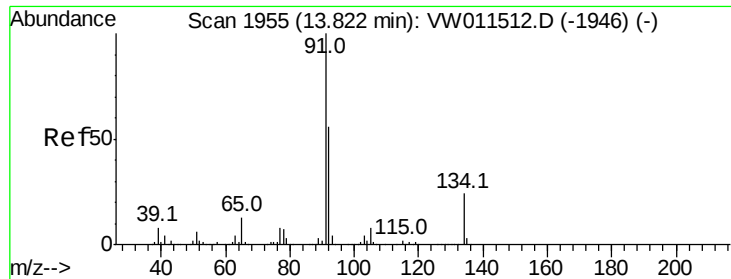
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	63.5	31.8	95.3



#88
 1,4-Dichlorobenzene
 Concen: 19.759 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.2
148	64.8	31.9	95.9





#89

n-Butylbenzene

Concen: 20.448 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011980.D

Acq: 19 Aug 2019 10:22

Instrument :

MSVOA_W

ClientSampleId :

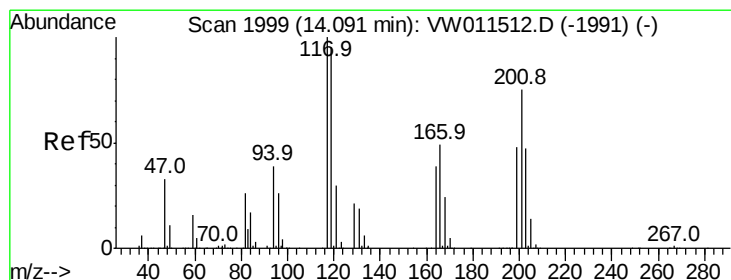
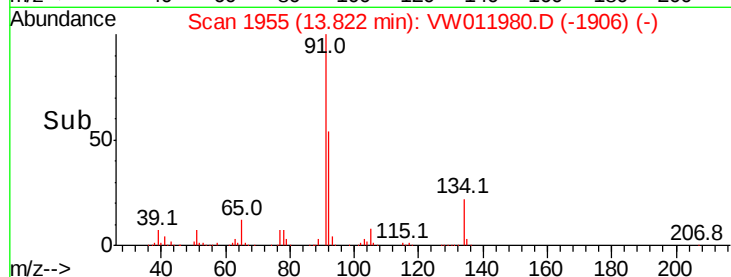
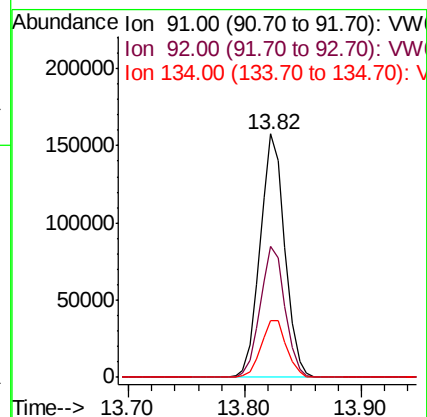
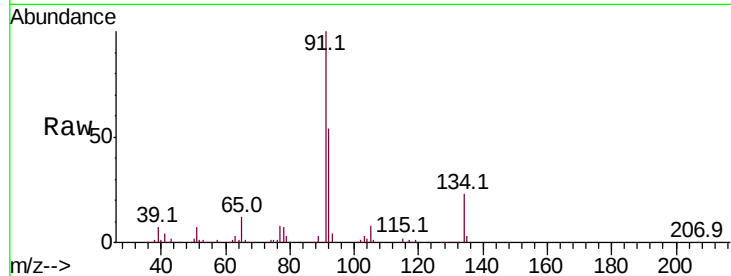
Tot Ion: 91 Resp: 232031

Ion Ratio Lower Upper

91 100

92 54.3 27.5 82.4

134 24.2 12.2 36.6



#90

Hexachloroethane

Concen: 20.419 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011980.D

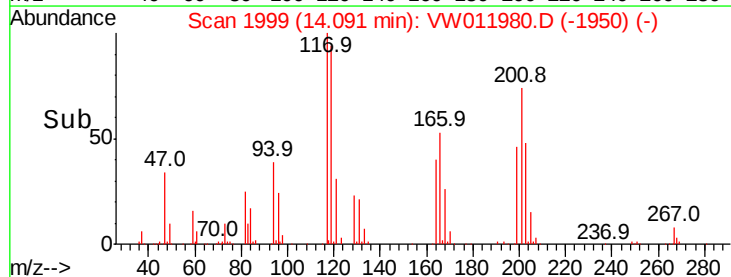
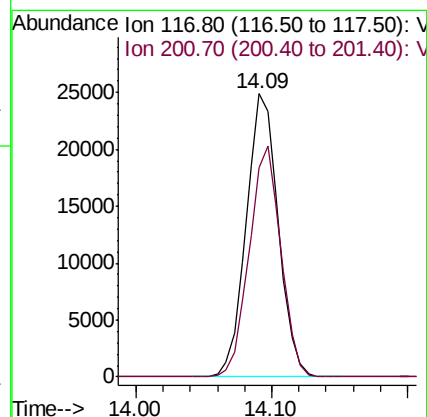
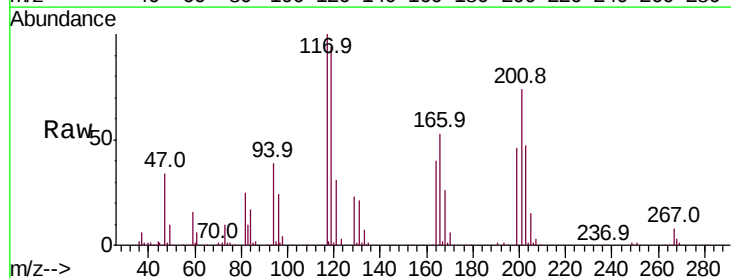
Acq: 19 Aug 2019 10:22

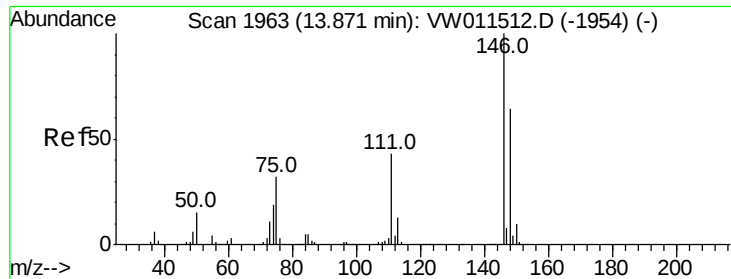
Tgt Ion: 117 Resp: 41055

Ion Ratio Lower Upper

117 100

201 80.4 39.4 118.2

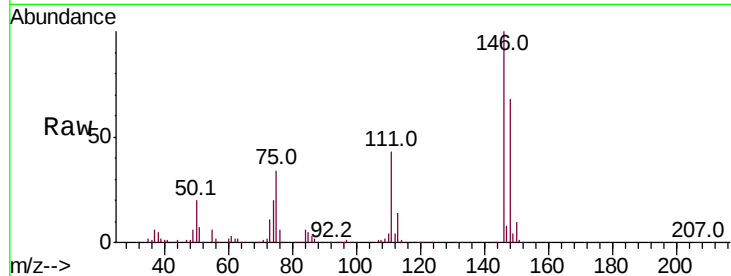




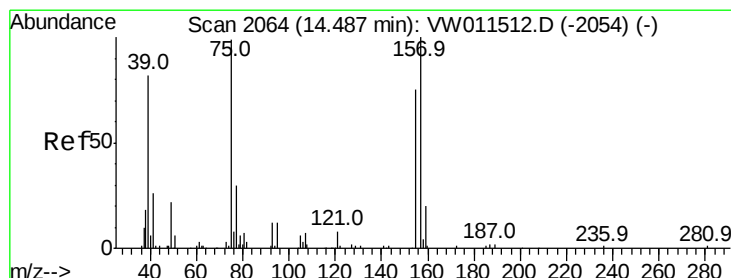
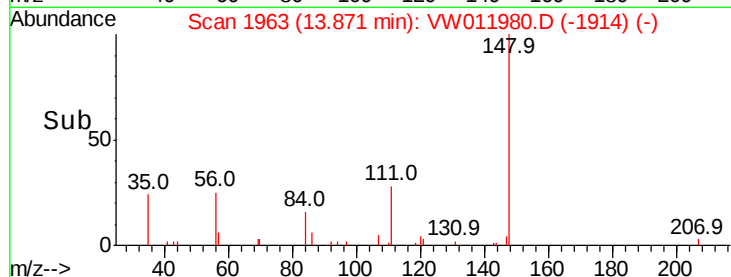
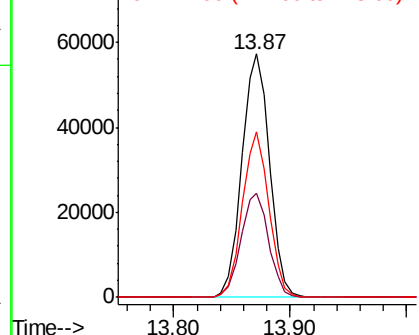
#91
 1,2-Dichlorobenzene
 Concen: 19.705 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 94637
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 65.0
 148 65.2 32.0 96.2

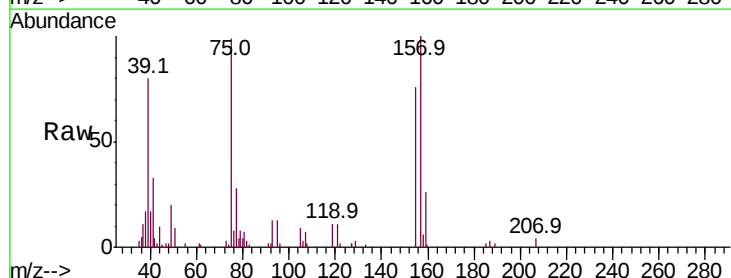


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

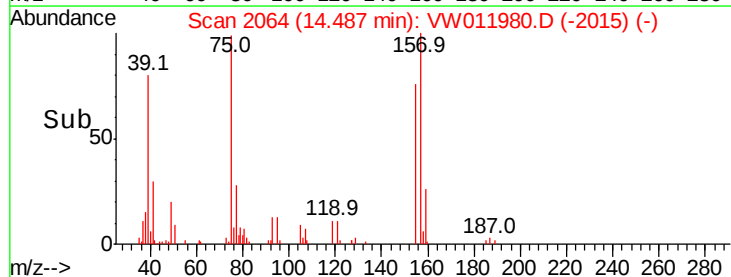
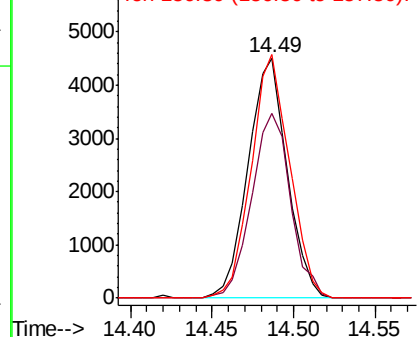


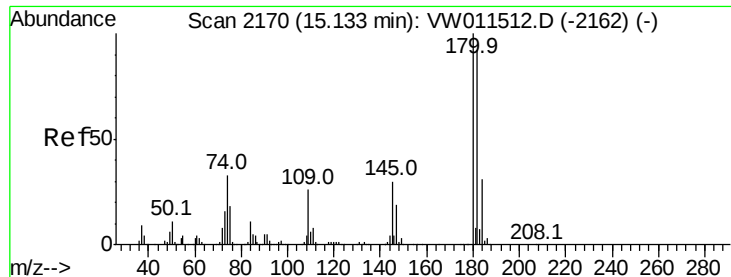
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.642 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion: 75 Resp: 7492
 Ion Ratio Lower Upper
 75 100
 155 77.1 38.2 114.6
 157 99.7 48.9 146.7



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

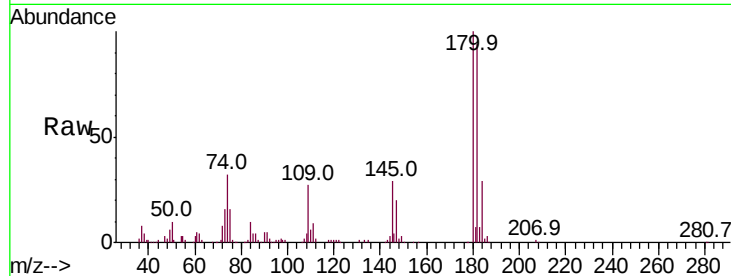




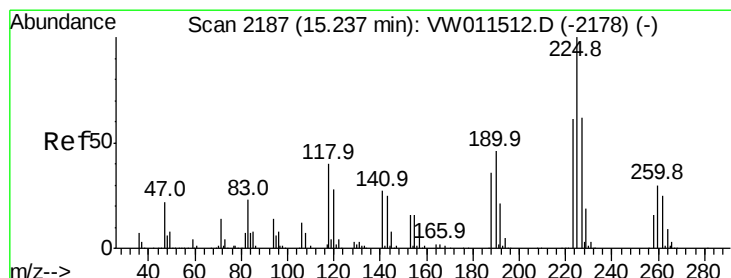
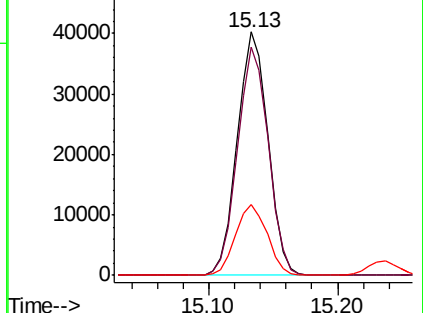
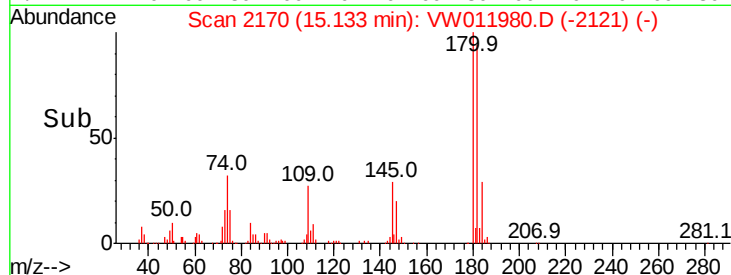
#93
 1,2,4-Trichlorobenzene
 Concen: 19.608 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180 Resp: 66370
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.4 142.2
 145 30.3 15.4 46.1

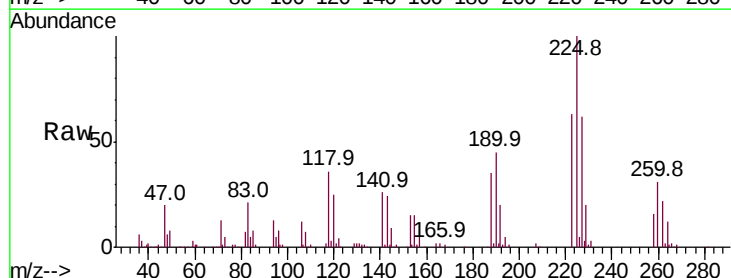


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

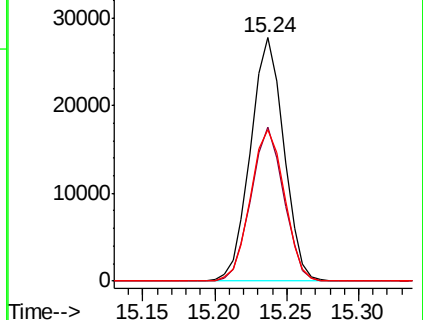
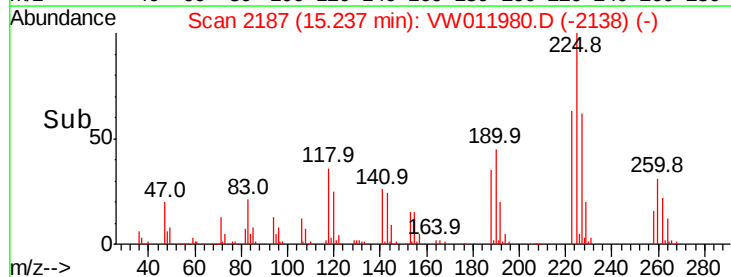


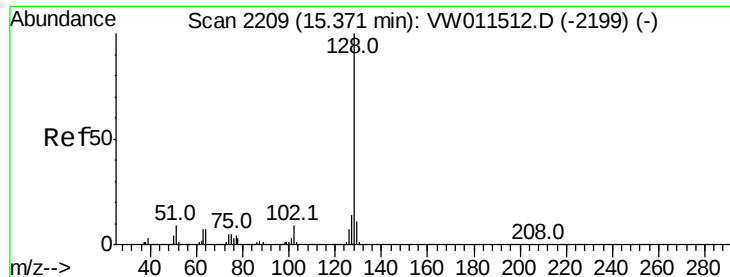
#94
 Hexachlorobutadiene
 Concen: 20.994 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011980.D
 Acq: 19 Aug 2019 10:22

Tgt Ion:225 Resp: 44315
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.8 92.3
 227 63.6 31.6 94.7



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

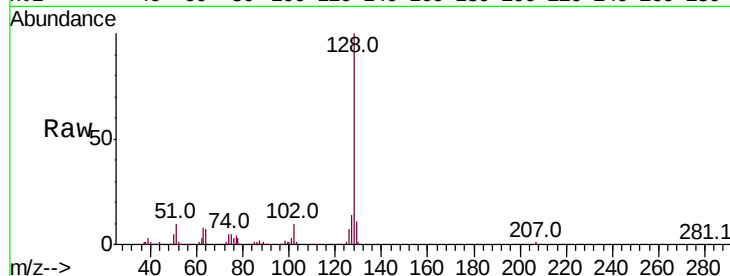




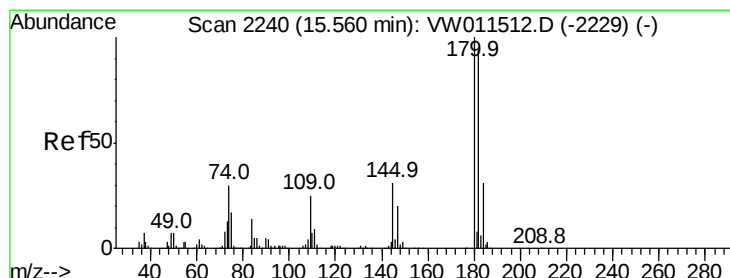
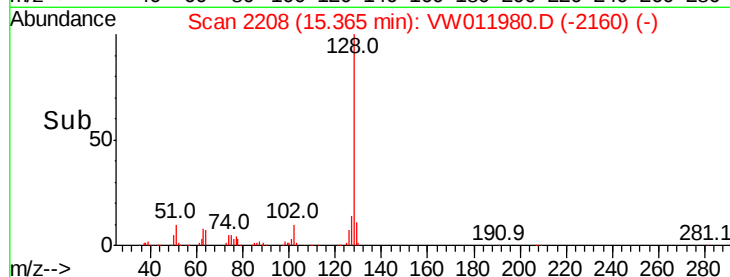
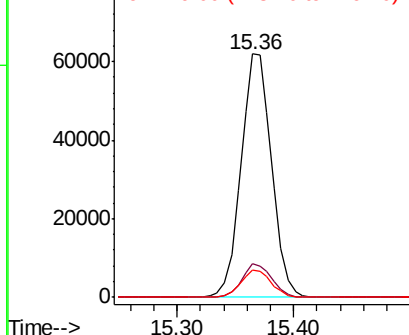
#95
Naphthalene
Concen: 18.388 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 112884
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 11.2 8.6 13.0

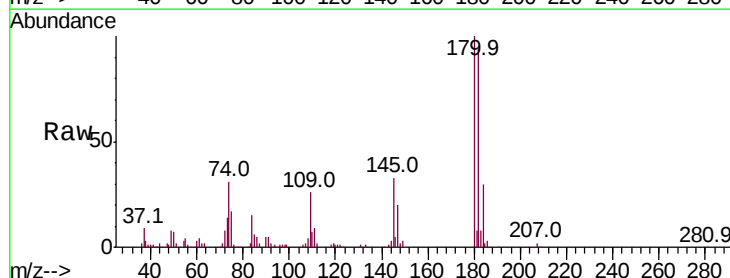


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.070 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011980.D
Acq: 19 Aug 2019 10:22

Tgt Ion:180 Resp: 56579
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.2
145 32.3 15.9 47.7



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

