

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013183.D
 Acq On : 20 Sep 2019 15:34
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 16:09:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	380098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	237442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	142916	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.88	113	142670	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	10.32	98	594334	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.62	95	202111	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	107791	49.162	ug/l	95
3) Chloromethane	2.21	50	123760	43.911	ug/l	99
4) Vinyl Chloride	2.36	62	166442	45.807	ug/l	94
5) Bromomethane	2.78	94	107925	46.870	ug/l	91
6) Chloroethane	2.92	64	99089	46.265	ug/l	95
7) Trichlorofluoromethane	3.25	101	96872	46.235	ug/l	96
8) Diethyl Ether	3.68	74	81799	45.707	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161521	47.351	ug/l	100
10) Methyl Iodide	4.27	142	240168	45.412	ug/l	99
11) Tert butyl alcohol	5.19	59	49675	221.285	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	168180	47.612	ug/l	99
13) Acrolein	3.89	56	42521	238.111	ug/l	98
14) Allyl chloride	4.66	41	271196	48.241	ug/l	100
15) Acrylonitrile	5.37	53	178143	230.623	ug/l	99
16) Acetone	4.13	43	182423	260.764	ug/l	92
17) Carbon Disulfide	4.38	76	492891	48.277	ug/l	96
18) Methyl Acetate	4.67	43	83635	42.530	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	251856	46.522	ug/l	98
20) Methylene Chloride	4.91	84	168647	46.960	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	180775	47.351	ug/l	96
22) Diisopropyl ether	6.31	45	506115	47.344	ug/l	99
23) Vinyl Acetate	6.25	43	1523284	240.191	ug/l	99
24) 1,1-Dichloroethane	6.21	63	304228	47.162	ug/l	100
25) 2-Butanone	7.17	43	235377	224.132	ug/l	95
26) 2,2-Dichloropropane	7.16	77	189578	49.055	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	187826	46.618	ug/l	99
28) Bromochloromethane	7.51	49	125358	50.633	ug/l #	99
29) Tetrahydrofuran	7.53	42	145540	225.981	ug/l	100
30) Chloroform	7.67	83	291405	46.141	ug/l	97
31) Cyclohexane	7.95	56	310113	46.119	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	241702	47.253	ug/l	99
36) 1,1-Dichloropropene	8.08	75	250588	47.230	ug/l	99
37) Ethyl Acetate	7.24	43	101755	45.126	ug/l	98
38) Carbon Tetrachloride	8.07	117	227824	47.901	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	332539	48.771	ug/l	97
40) Benzene	8.32	78	699939	47.296	ug/l	100
41) Methacrylonitrile	7.48	41	61871	45.973	ug/l	97
42) 1,2-Dichloroethane	8.40	62	183408	46.102	ug/l	99
43) Isopropyl Acetate	8.42	43	197615	45.726	ug/l	100
44) Trichloroethene	9.09	130	196346	47.287	ug/l	99
45) 1,2-Dichloropropane	9.37	63	172081	47.627	ug/l	98
46) Dibromomethane	9.46	93	82460	47.009	ug/l	99
47) Bromodichloromethane	9.64	83	214055	47.957	ug/l	99
48) Methyl methacrylate	9.43	41	101099	49.749	ug/l	94
49) 1,4-Dioxane	9.46	88	23021	874.296	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	492601	227.362	ug/l	99
52) Toluene	10.38	92	450784	47.528	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	223312	48.697	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	272044	48.791	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	121707	46.420	ug/l	96
56) Ethyl methacrylate	10.65	69	164229	47.862	ug/l	99
57) 1,3-Dichloropropane	10.93	76	213084	46.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	391193	246.263	ug/l	99
59) 2-Hexanone	10.96	43	353238	236.976	ug/l	99
60) Dibromochloromethane	11.13	129	141501	47.530	ug/l	99
61) 1,2-Dibromoethane	11.23	107	115690	46.408	ug/l	99
64) Tetrachloroethene	10.86	164	169768	47.778	ug/l	97
65) Chlorobenzene	11.66	112	463360	47.382	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	160820	48.136	ug/l	99
67) Ethyl Benzene	11.73	91	857266	48.381	ug/l	98
68) m/p-Xylenes	11.83	106	652964	96.706	ug/l	99
69) o-Xylene	12.16	106	299268	47.673	ug/l	99
70) Styrene	12.18	104	522507	48.482	ug/l	99
71) Bromoform	12.35	173	84266	47.742	ug/l	100
73) Isopropylbenzene	12.46	105	849123	48.410	ug/l	100
74) N-amyl acetate	12.27	43	185285	47.605	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	133670	45.568	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	176834	84.330	ug/l #	100
77) Bromobenzene	12.74	156	196705	47.325	ug/l	100
78) n-propylbenzene	12.80	91	997196	48.570	ug/l	99
79) 2-Chlorotoluene	12.89	91	553298	48.103	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	708518	48.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45043	48.200	ug/l	99
82) 4-Chlorotoluene	12.99	91	579435	47.770	ug/l	99
83) tert-Butylbenzene	13.21	119	625794	48.357	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	711612	48.502	ug/l	98
85) sec-Butylbenzene	13.38	105	874002	48.986	ug/l	100
86) p-Isopropyltoluene	13.50	119	813968	49.187	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	377640	47.208	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	377155	48.073	ug/l	100
89) n-Butylbenzene	13.82	91	754599	49.939	ug/l	100
90) Hexachloroethane	14.09	117	138029	49.651	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	330985	47.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21134	47.102	ug/l	99

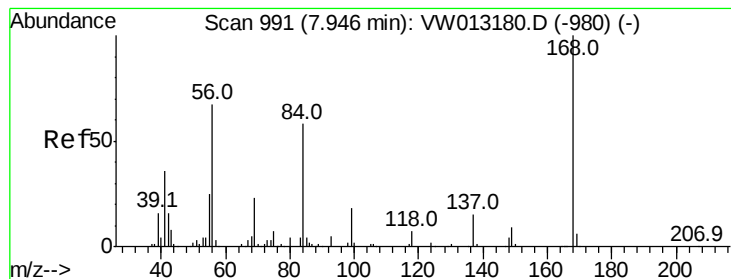
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Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	250275	50.468	ug/l	100
94) Hexachlorobutadiene	15.24	225	165104	48.664	ug/l	99
95) Naphthalene	15.36	128	416934	51.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	214927	50.158	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: VW013183.D

Acq: 20 Sep 2019 15:34

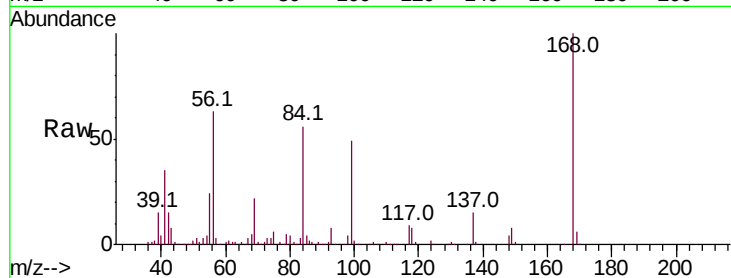
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 380098

Ion Ratio Lower Upper

168 100

99 48.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

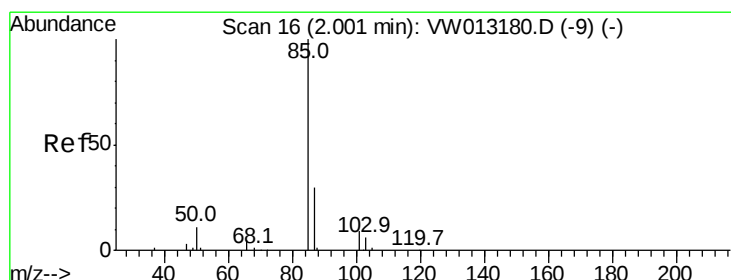
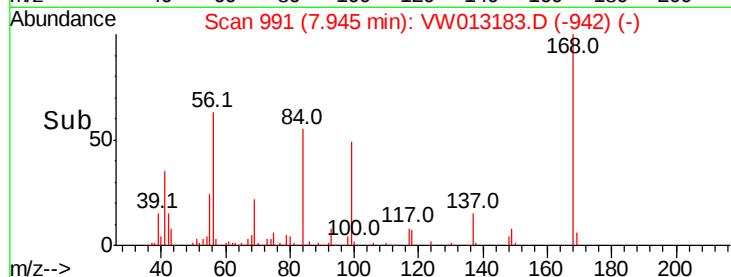
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.162 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013183.D

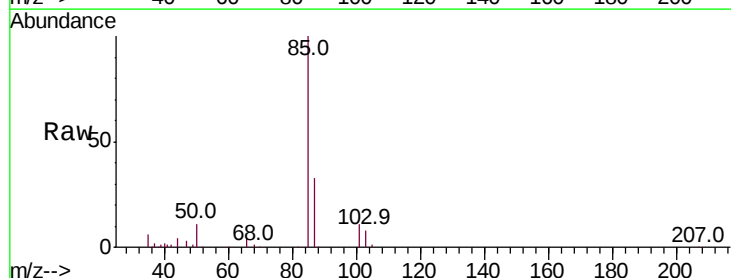
Acq: 20 Sep 2019 15:34

Tgt Ion: 85 Resp: 107791

Ion Ratio Lower Upper

85 100

87 32.9 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

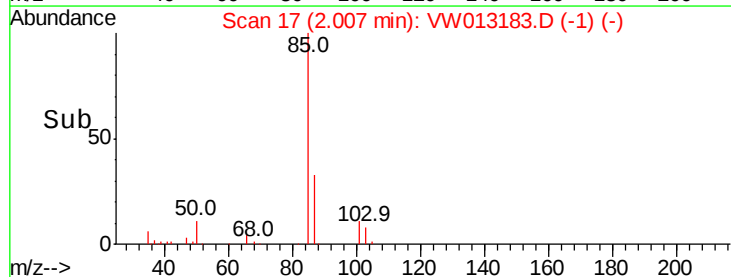
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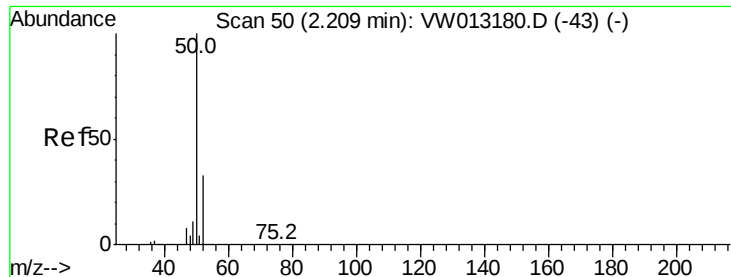
20000

10000

0

Time-->





#3

Chloromethane

Concen: 43.911 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

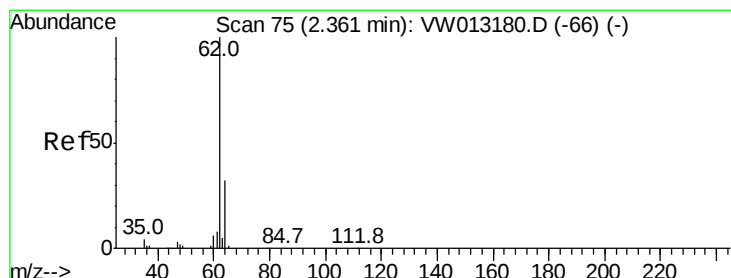
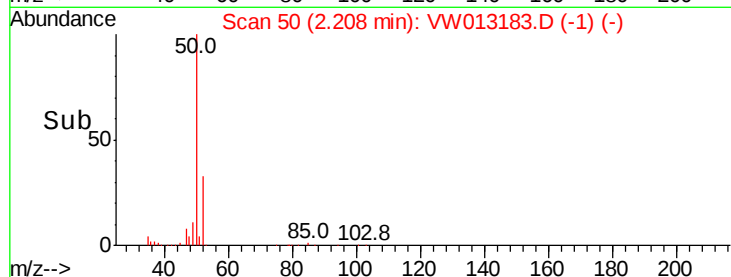
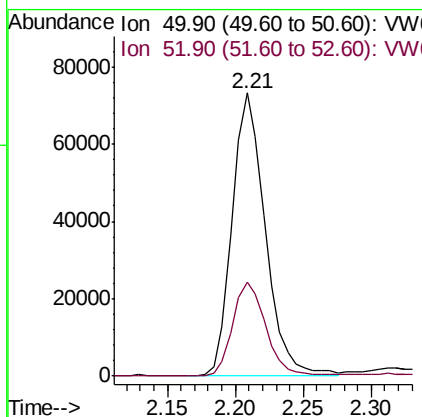
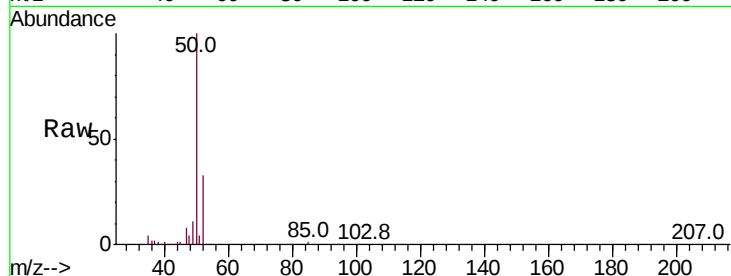
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 123760

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 45.807 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013183.D

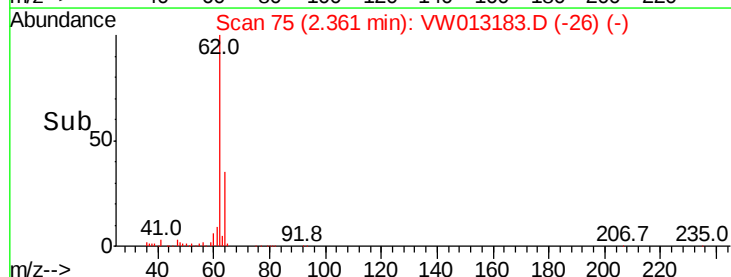
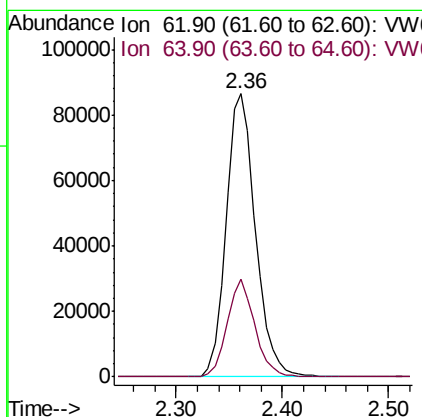
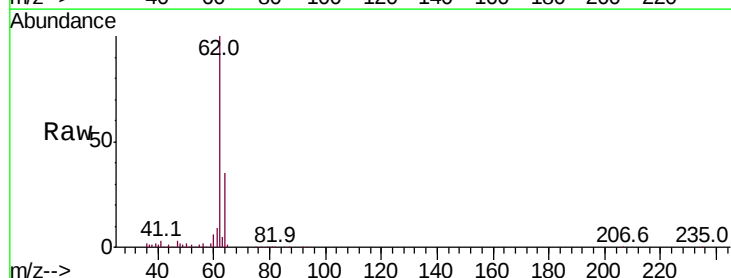
Acq: 20 Sep 2019 15:34

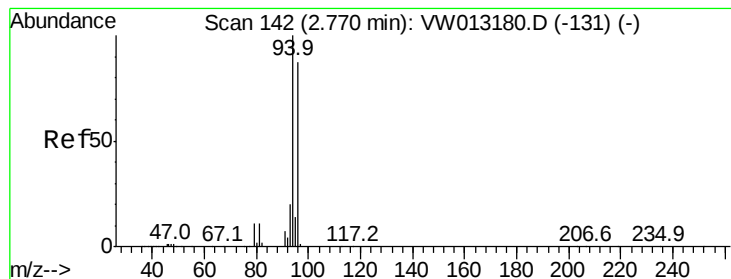
Tgt Ion: 62 Resp: 166442

Ion Ratio Lower Upper

62 100

64 34.8 25.3 37.9





#5

Bromomethane

Concen: 46.870 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

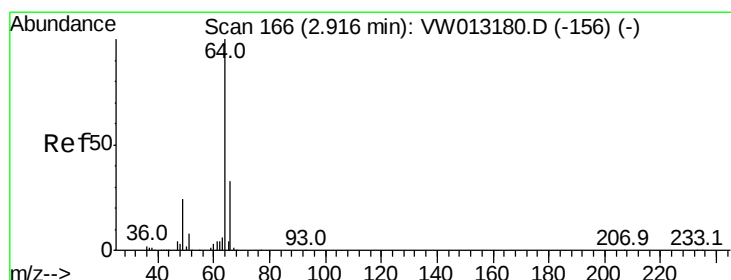
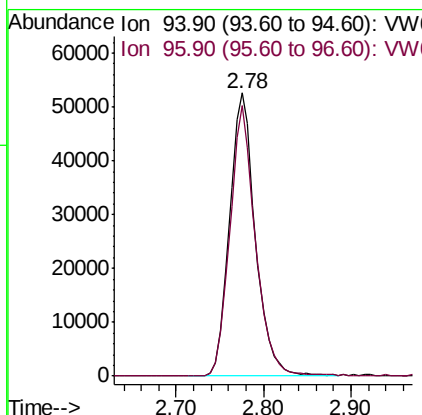
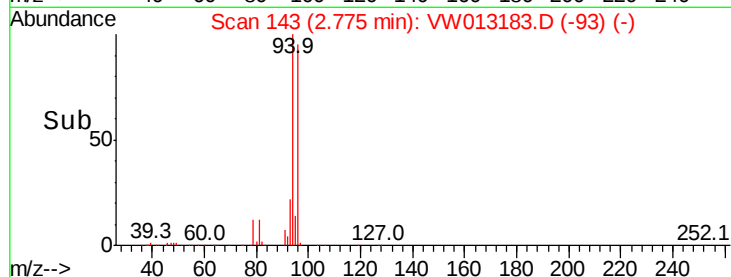
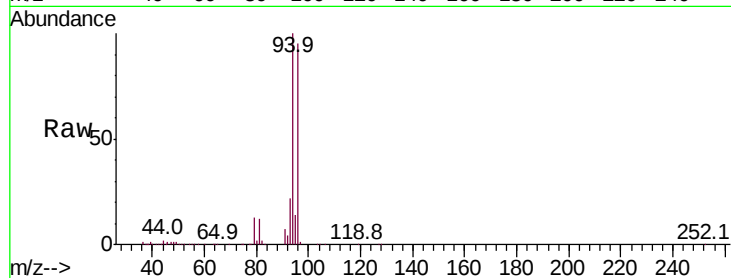
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 107925

Ion Ratio Lower Upper

94 100

96 95.5 69.7 104.5



#6

Chloroethane

Concen: 46.265 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013183.D

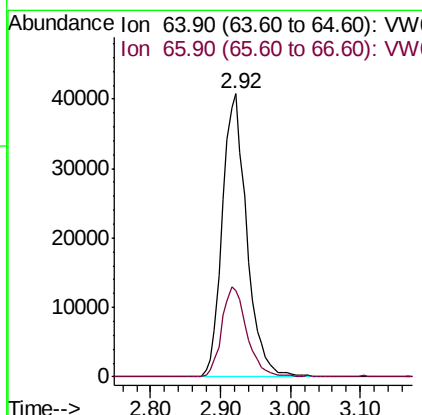
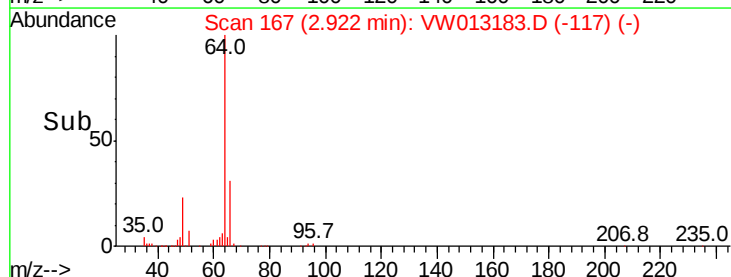
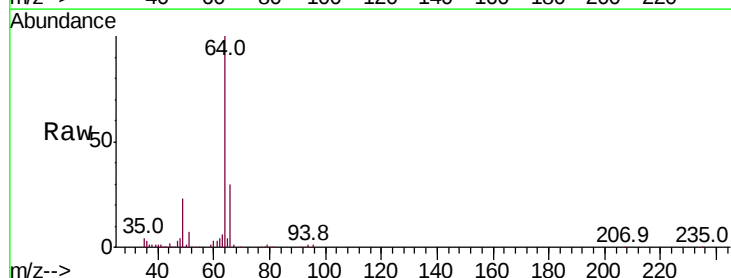
Acq: 20 Sep 2019 15:34

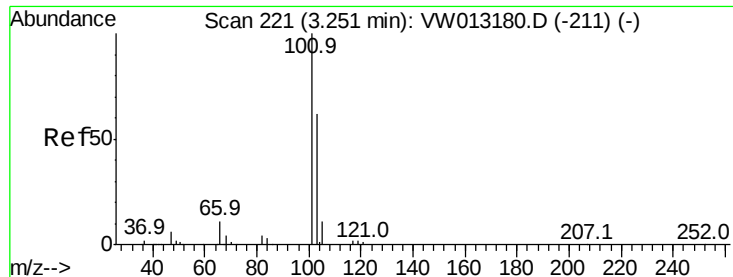
Tgt Ion: 64 Resp: 99089

Ion Ratio Lower Upper

64 100

66 30.5 26.6 39.8



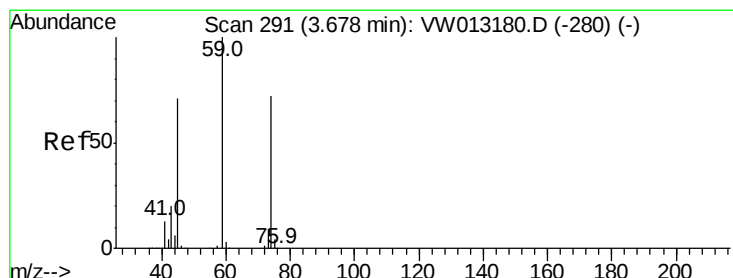
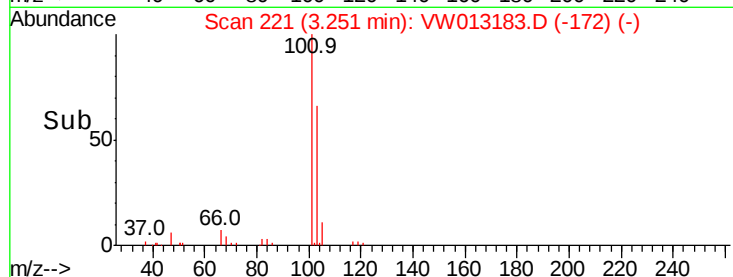
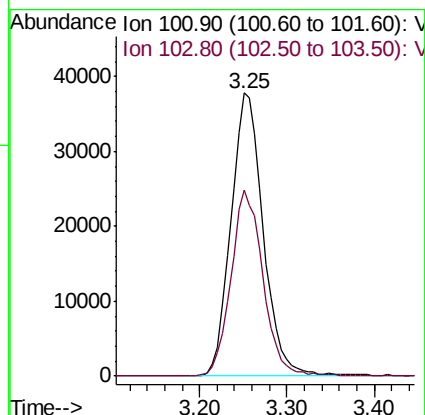
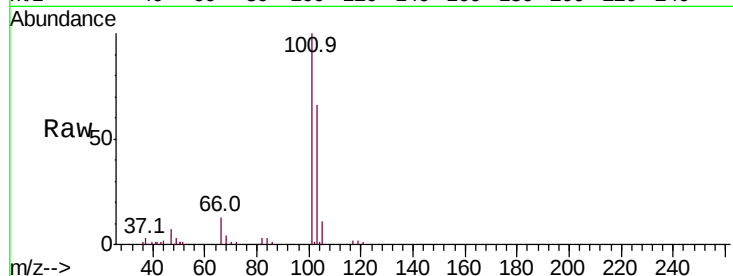


#7

Trichlorofluoromethane
 Concen: 46.235 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :

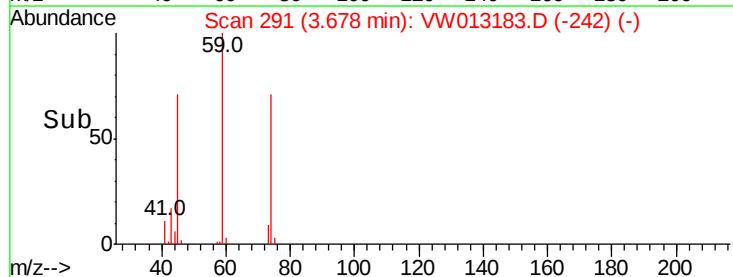
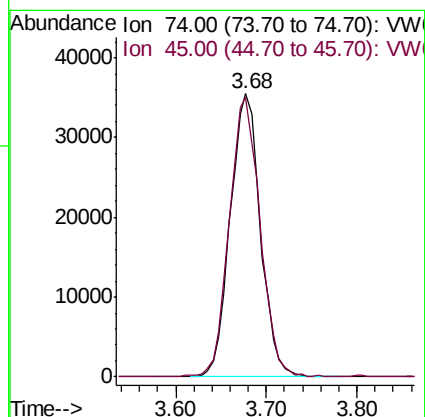
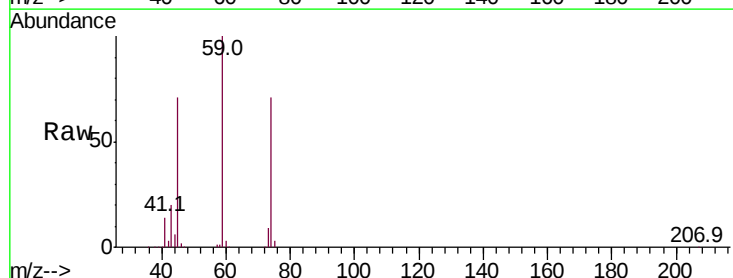
Tot Ion:101 Resp: 96872
 Ion Ratio Lower Upper
 101 100
 103 65.5 49.7 74.5

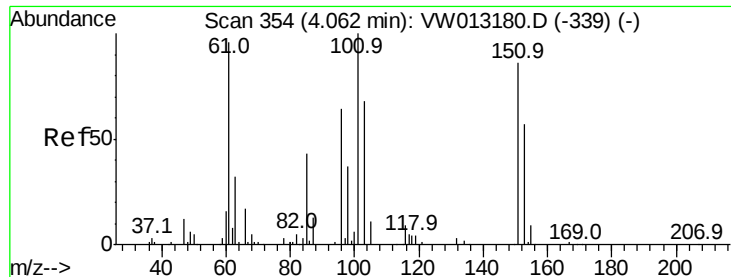


#8

Diethyl Ether
 Concen: 45.707 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion: 74 Resp: 81799
 Ion Ratio Lower Upper
 74 100
 45 101.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.351 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampled :

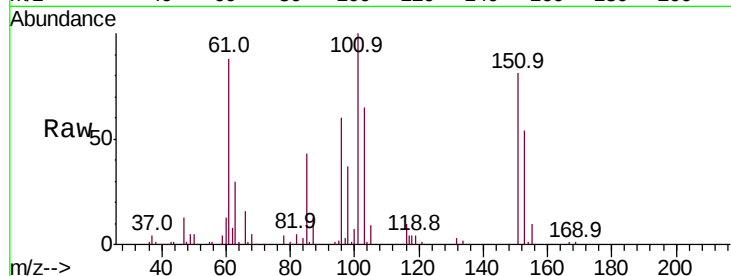
Tot Ion:101 Resp: 161521

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.0

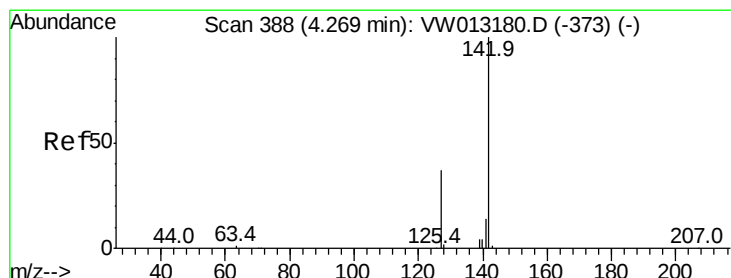
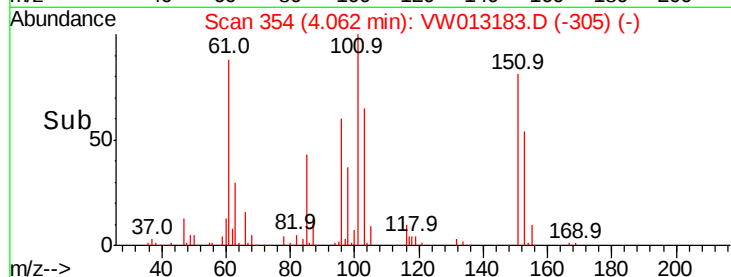
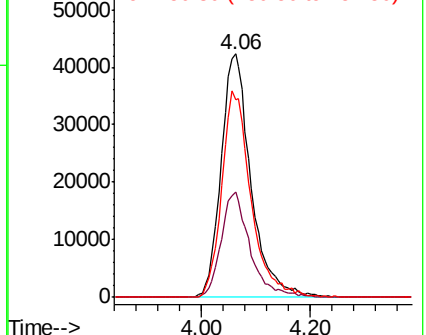
151 83.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.412 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

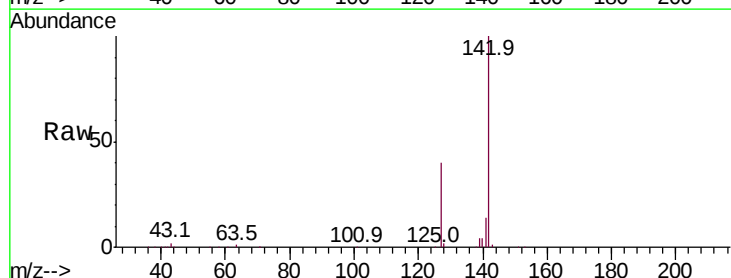
Tgt Ion:142 Resp: 240168

Ion Ratio Lower Upper

142 100

127 39.2 30.9 46.3

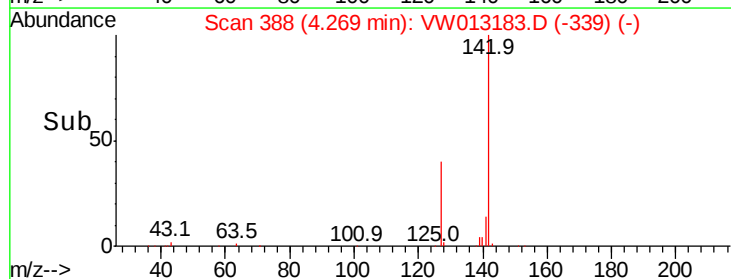
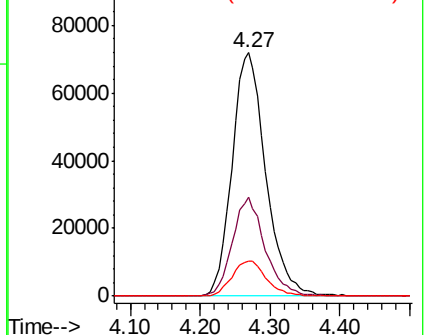
141 14.8 11.7 17.5

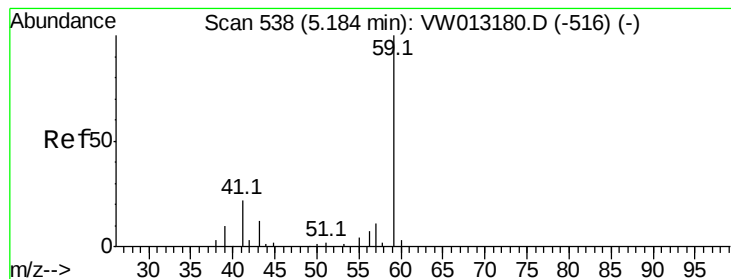


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 221.285 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

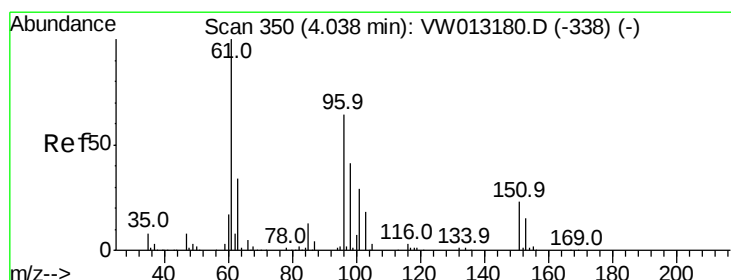
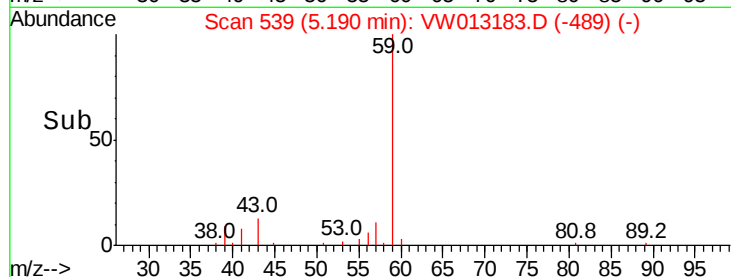
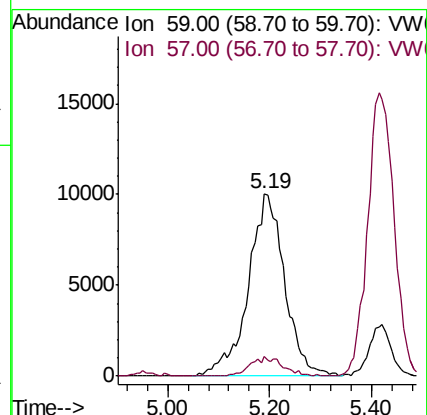
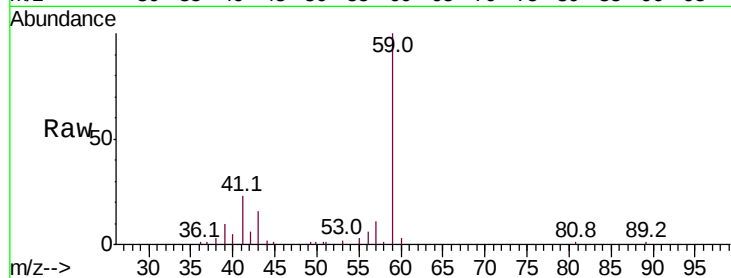
ClientSampleId :

Tot Ion: 59 Resp: 49675

Ion Ratio Lower Upper

59 100

57 5.7 8.2 12.2#



#12

1,1-Dichloroethene

Concen: 47.612 ug/l

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

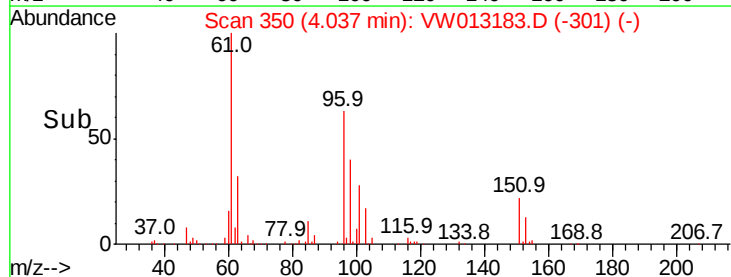
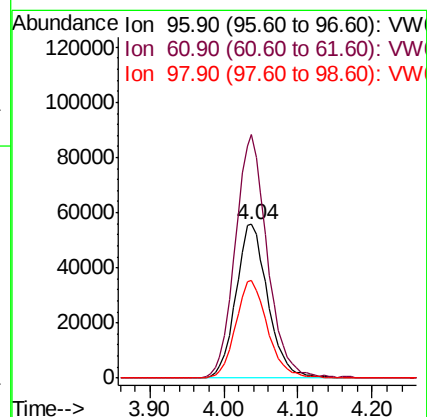
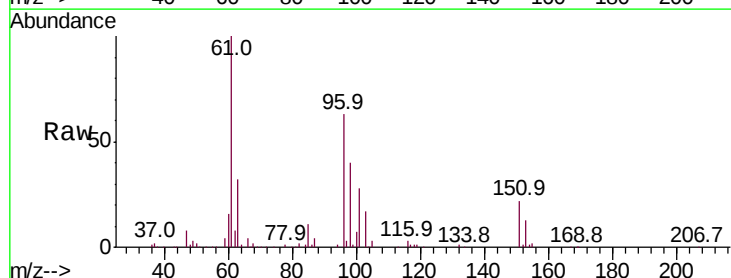
Tgt Ion: 96 Resp: 168180

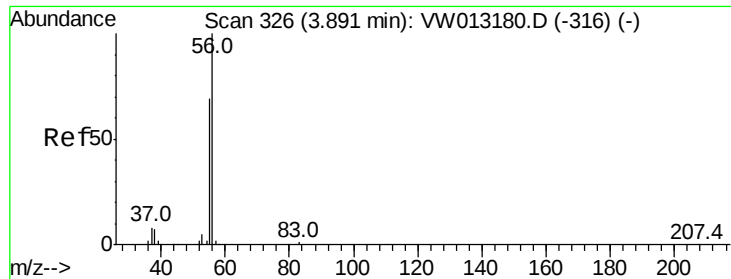
Ion Ratio Lower Upper

96 100

61 158.2 125.1 187.7

98 63.7 50.8 76.2





#13

Acrolein

Concen: 238.111 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

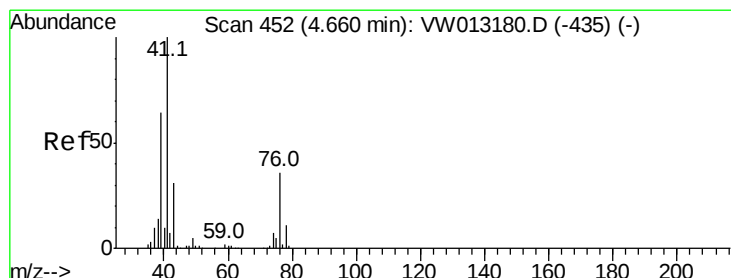
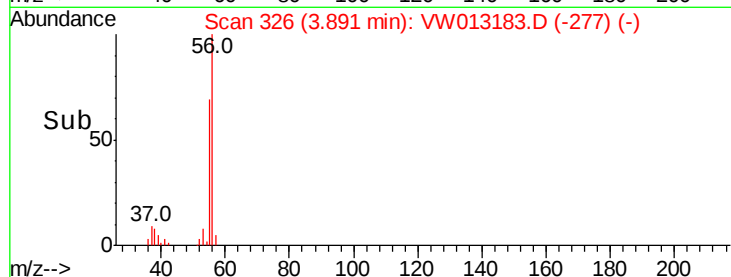
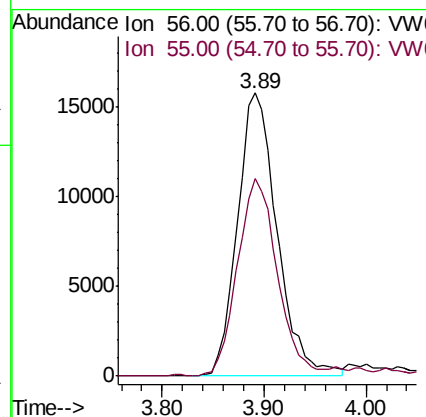
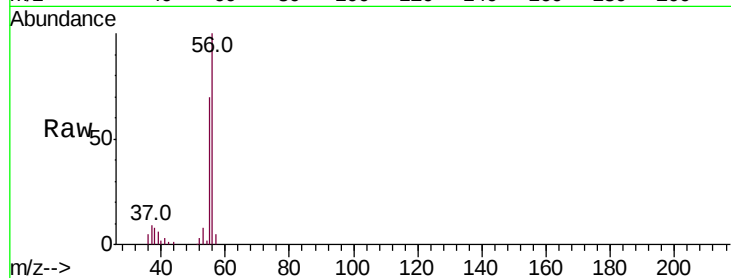
ClientSampleId :

Tot Ion: 56 Resp: 42521

Ion Ratio Lower Upper

56 100

55 70.5 55.4 83.0



#14

Allyl chloride

Concen: 48.241 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

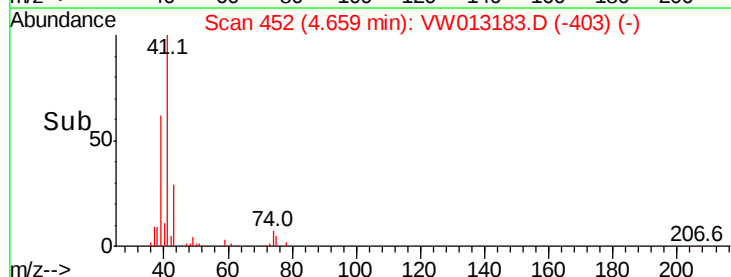
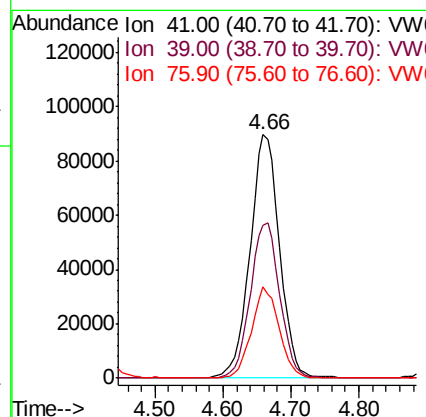
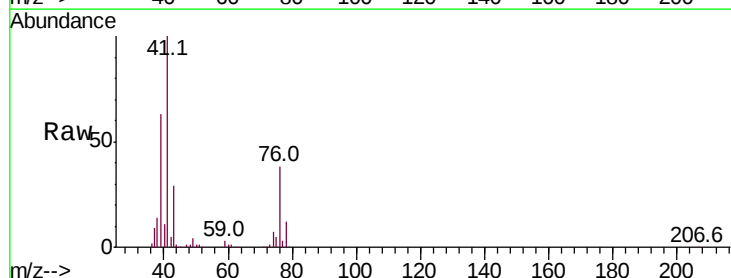
Tgt Ion: 41 Resp: 271196

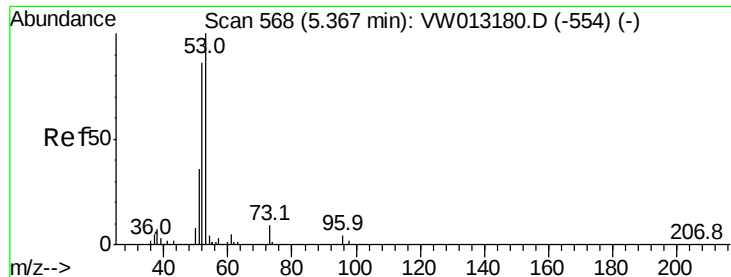
Ion Ratio Lower Upper

41 100

39 63.7 51.0 76.4

76 35.1 28.4 42.6





#15

Acrylonitrile

Concen: 230.623 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

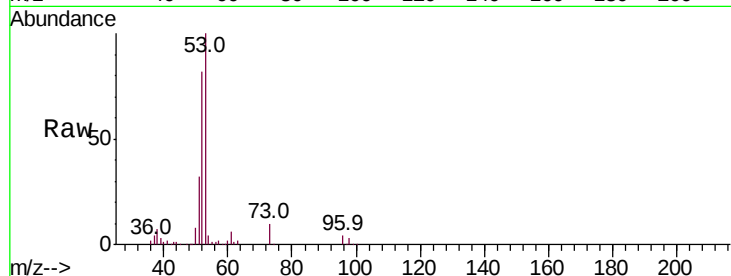
Tot Ion: 53 Resp: 178143

Ion Ratio Lower Upper

53 100

52 81.8 65.3 97.9

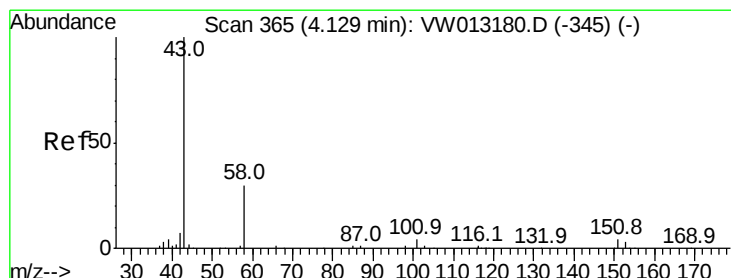
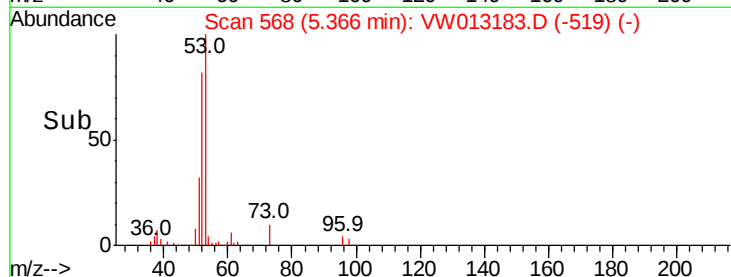
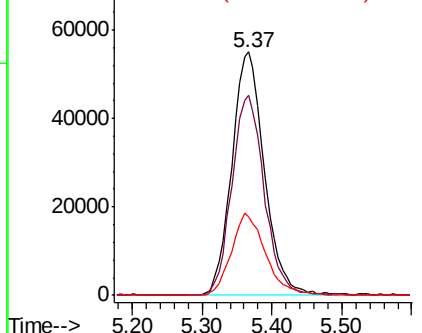
51 35.3 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 260.764 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013183.D

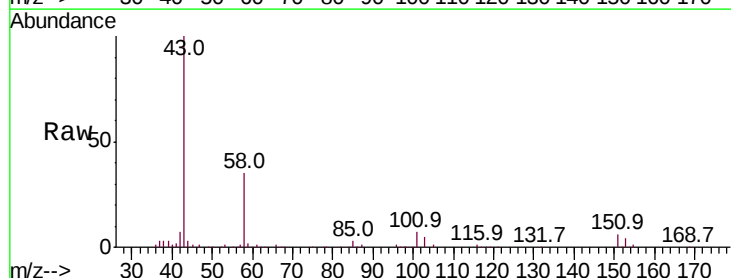
Acq: 20 Sep 2019 15:34

Tgt Ion: 43 Resp: 182423

Ion Ratio Lower Upper

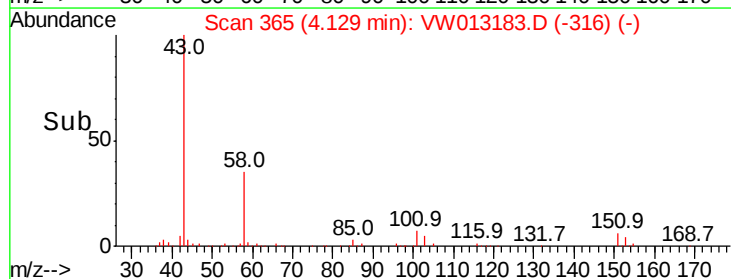
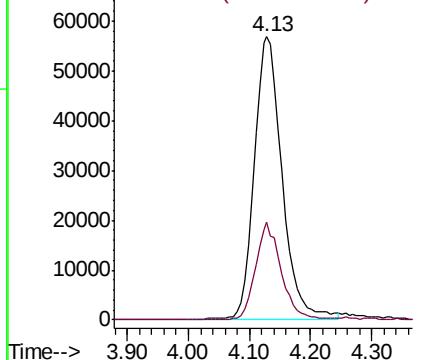
43 100

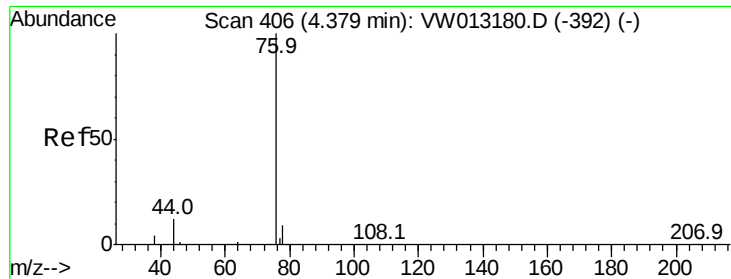
58 34.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

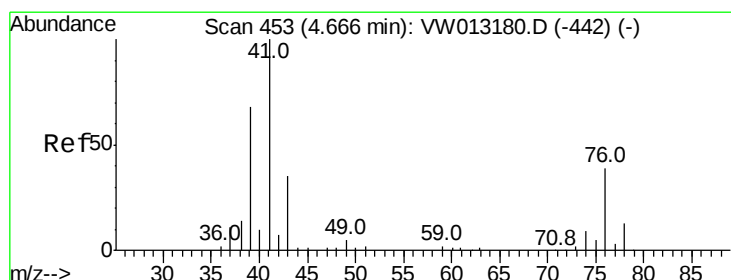
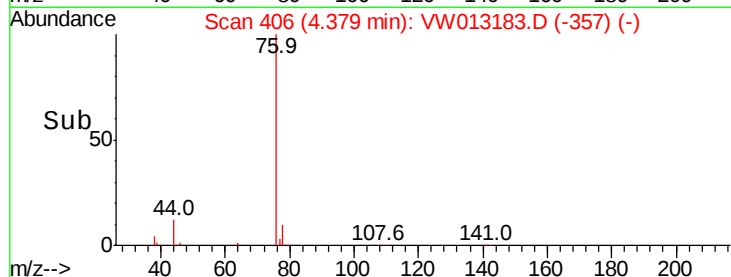
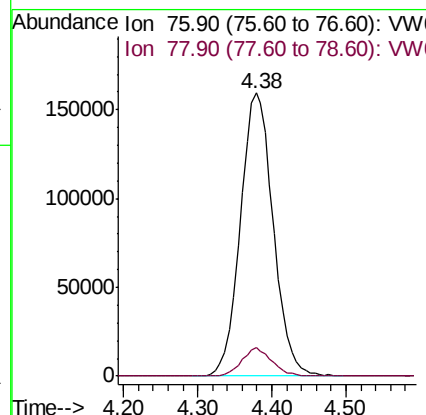
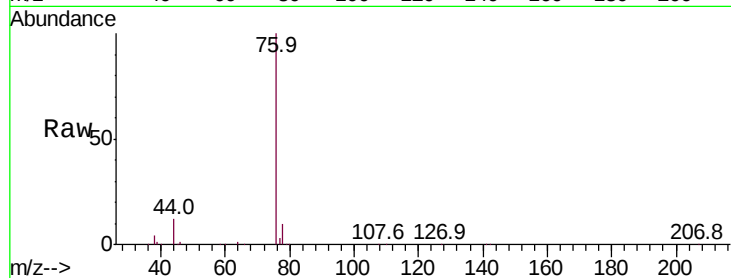




#17
Carbon Disulfide
Concen: 48.277 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

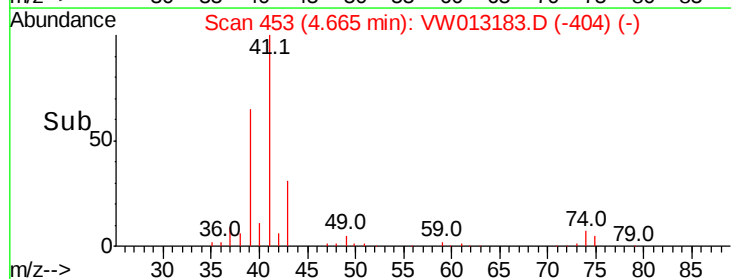
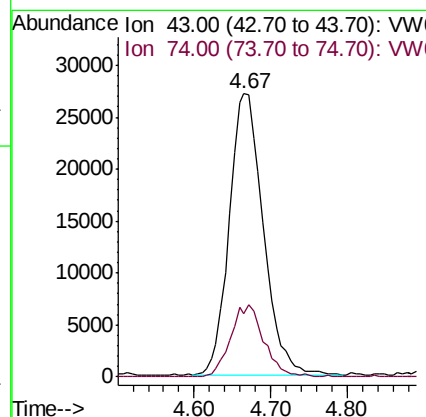
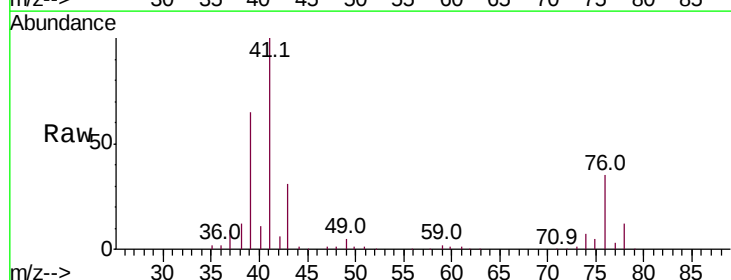
Instrument :
MSVOA_W
ClientSampleId :

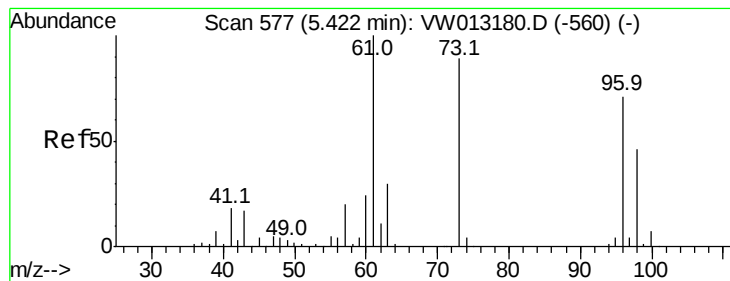
Tot Ion: 76 Resp: 492891
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4



#18
Methyl Acetate
Concen: 42.530 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 43 Resp: 83635
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9



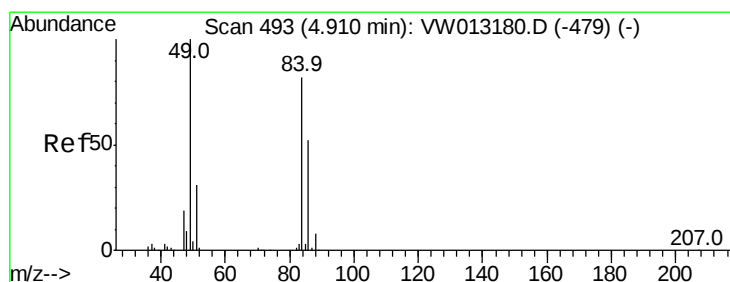
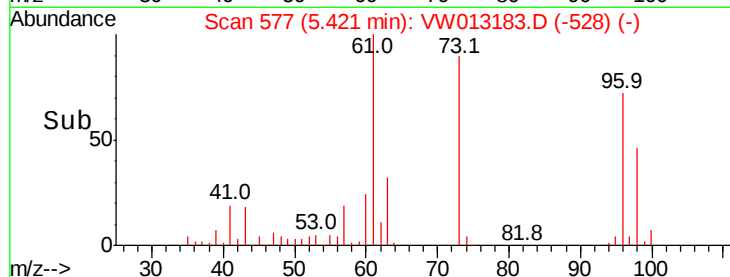
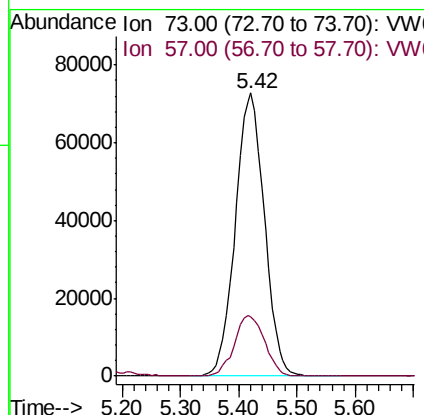
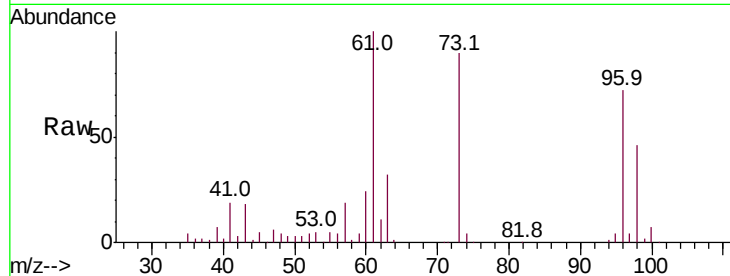


#19

Methyl tert-butyl Ether
 Concen: 46.522 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampled :

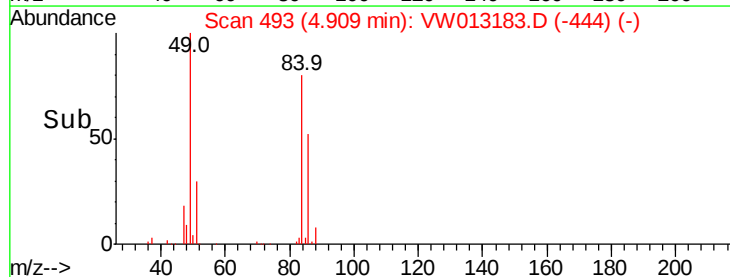
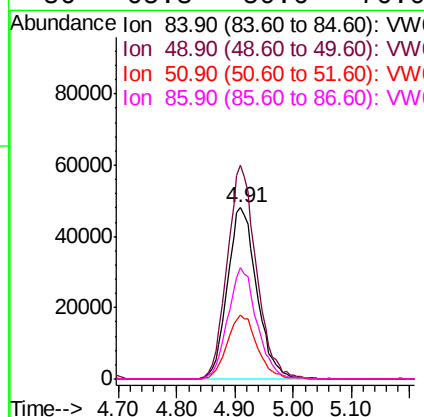
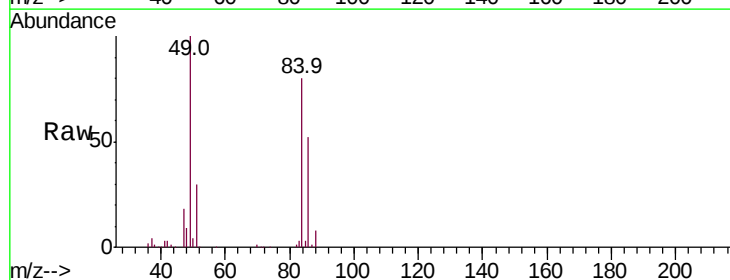
Tot Ion: 73 Resp: 251856
 Ion Ratio Lower Upper
 73 100
 57 20.9 17.6 26.4

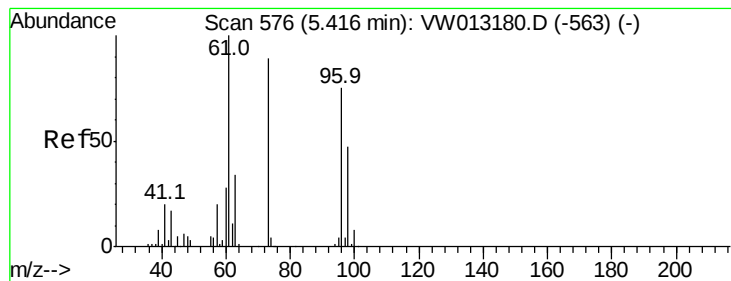


#20

Methylene Chloride
 Concen: 46.960 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion: 84 Resp: 168647
 Ion Ratio Lower Upper
 84 100
 49 124.9 97.6 146.4
 51 37.8 30.2 45.2
 86 65.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 47.351 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampled :

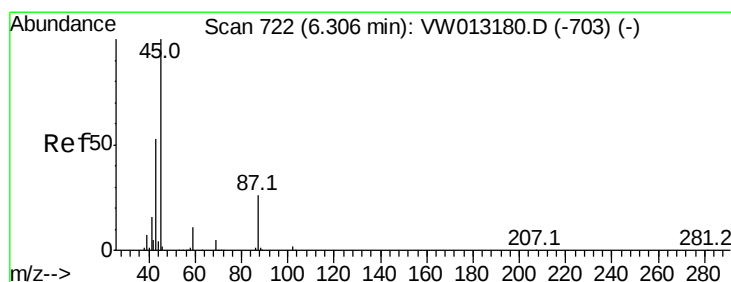
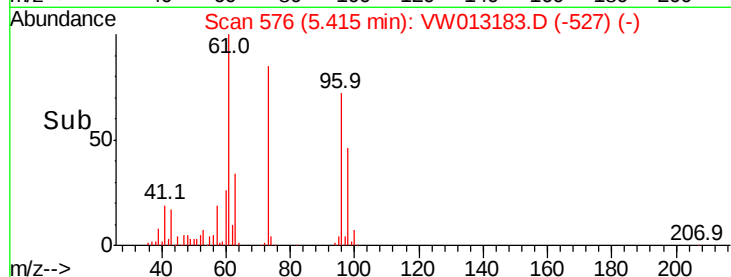
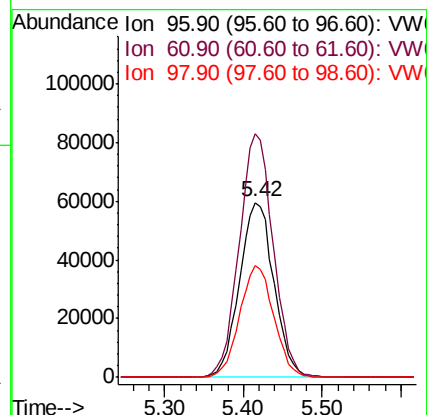
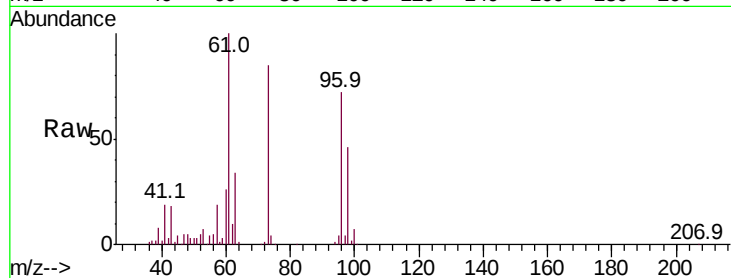
Tot Ion: 96 Resp: 180775

Ion Ratio Lower Upper

96 100

61 139.3 106.6 159.8

98 63.7 49.8 74.8



#22

Diisopropyl ether

Concen: 47.344 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion: 45 Resp: 506115

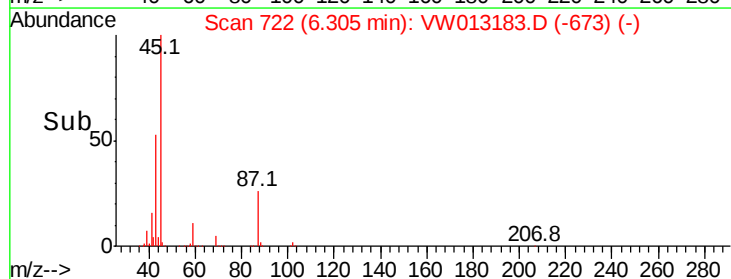
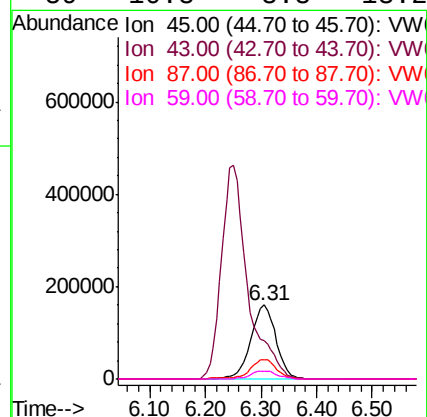
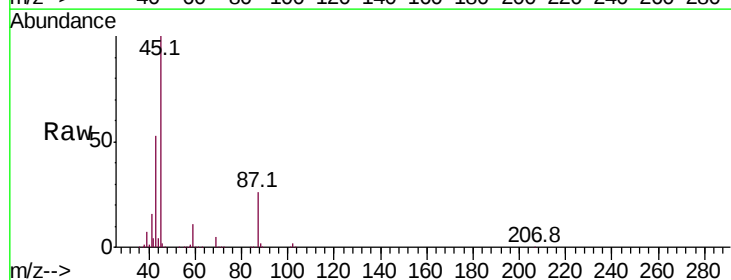
Ion Ratio Lower Upper

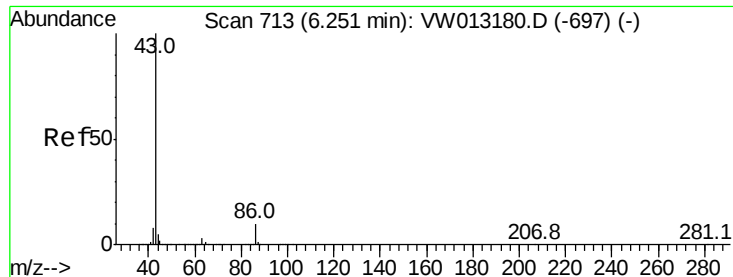
45 100

43 52.4 42.4 63.6

87 26.0 20.4 30.6

59 10.8 8.8 13.2





#23

Vinyl Acetate

Concen: 240.191 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

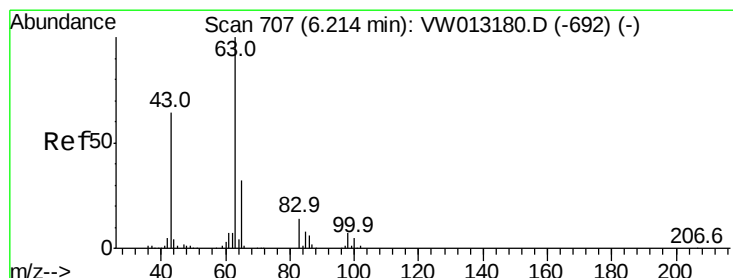
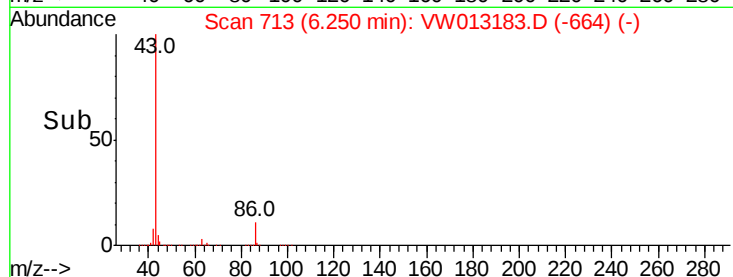
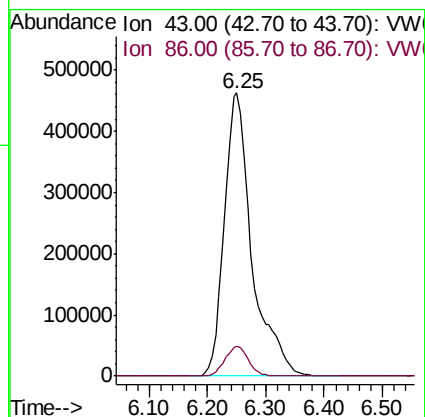
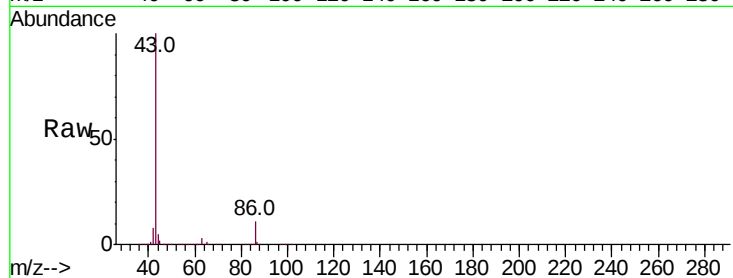
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1523284

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 47.162 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

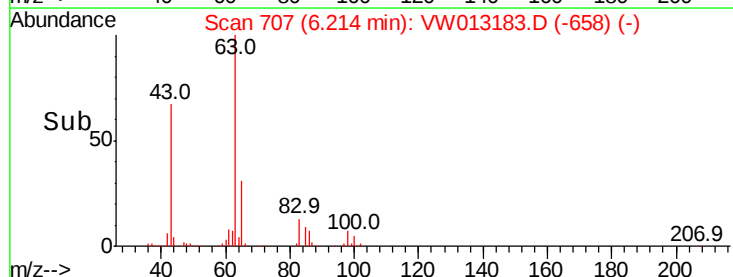
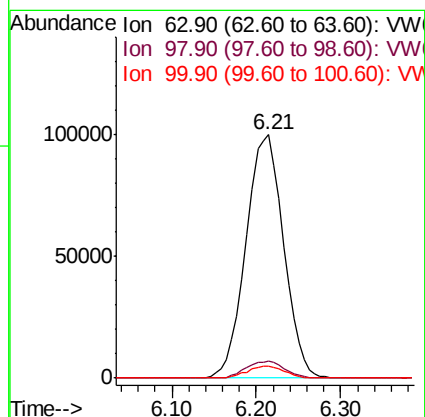
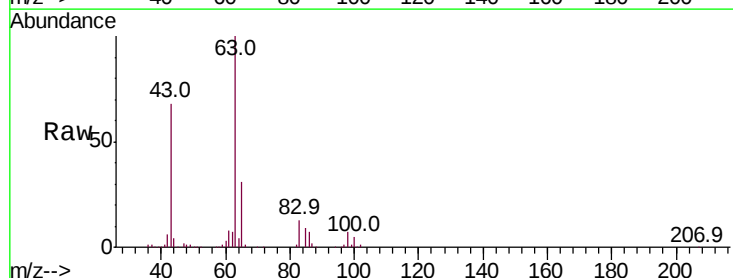
Tgt Ion: 63 Resp: 304228

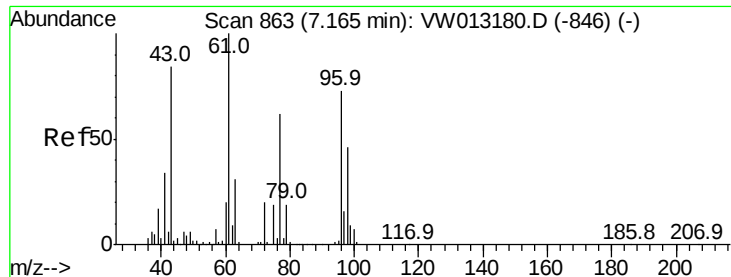
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 224.132 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

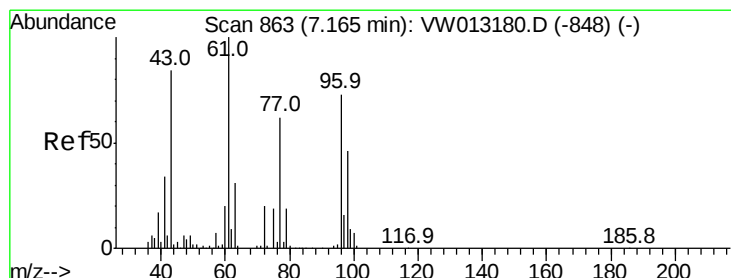
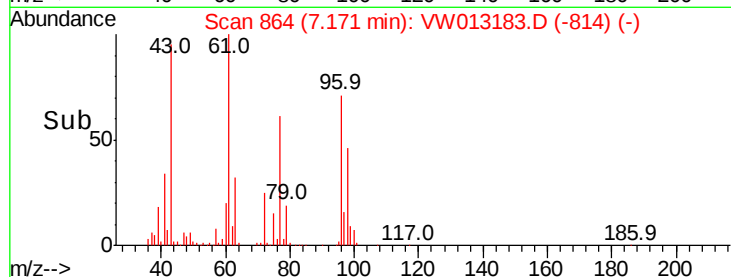
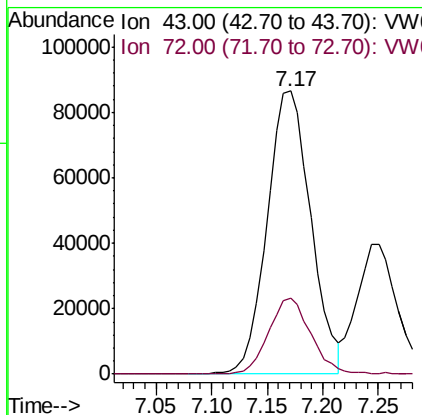
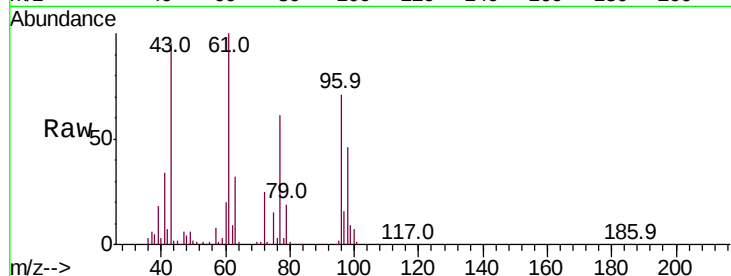
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 235377

Ion Ratio Lower Upper

43 100

72 26.9 19.4 29.0



#26

2,2-Dichloropropane

Concen: 49.055 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013183.D

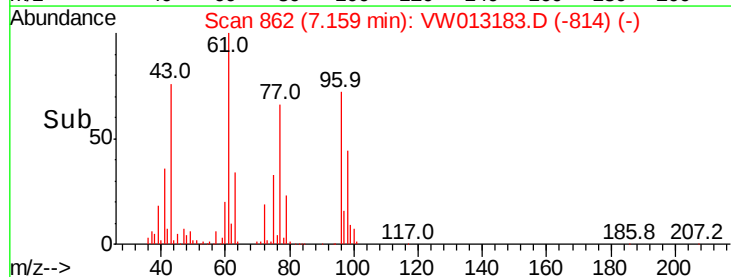
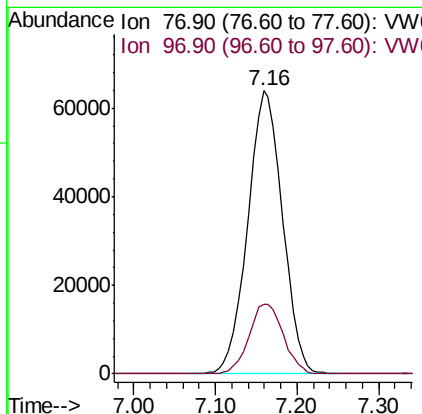
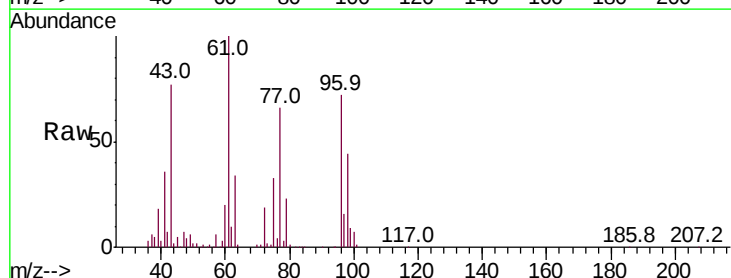
Acq: 20 Sep 2019 15:34

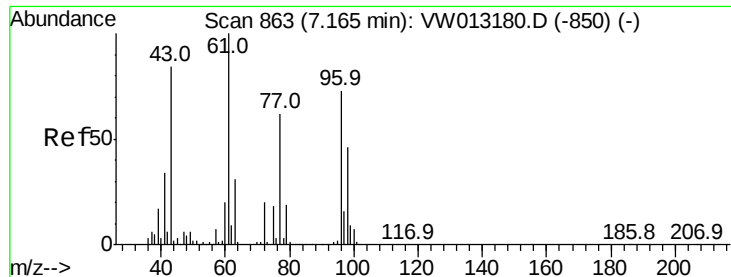
Tgt Ion: 77 Resp: 189578

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.4



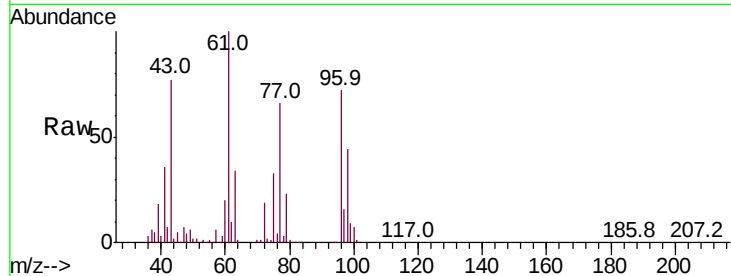


#27

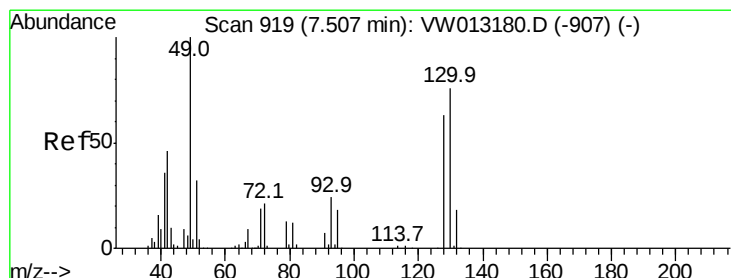
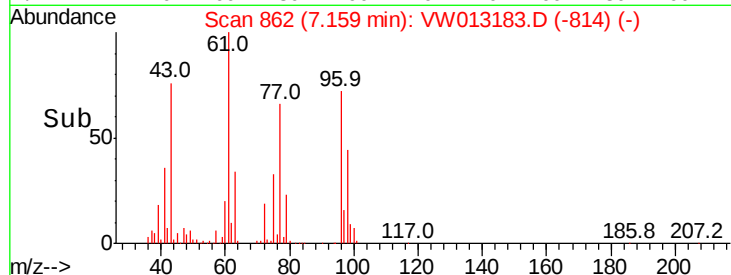
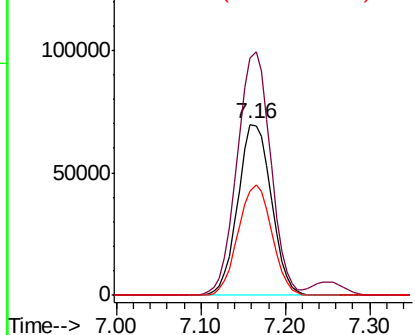
cis-1,2-Dichloroethene
Concen: 46.618 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 187826
Ion Ratio Lower Upper
96 100
61 142.8 0.0 282.4
98 64.9 0.0 128.2



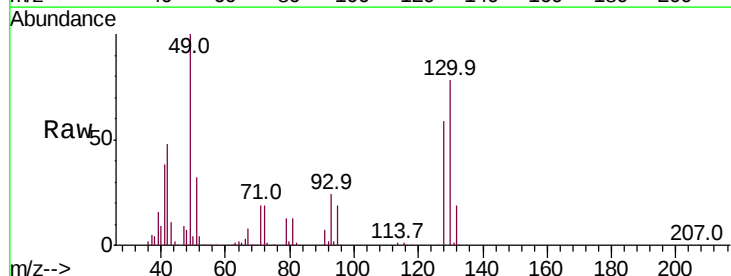
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



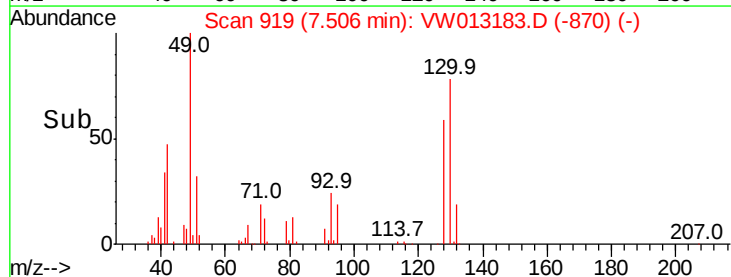
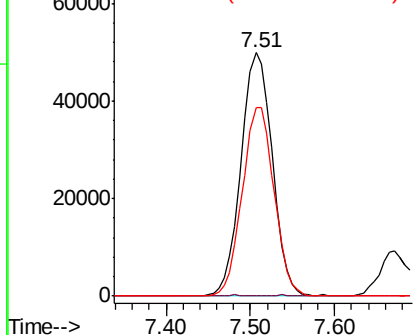
#28

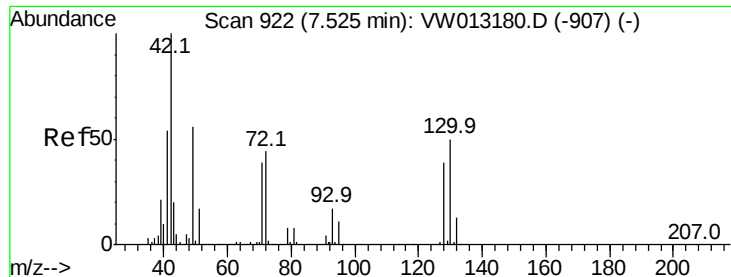
Bromochloromethane
Concen: 50.633 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 49 Resp: 125358
Ion Ratio Lower Upper
49 100
129 0.0 0.0 1.0
130 78.7 63.4 95.2



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

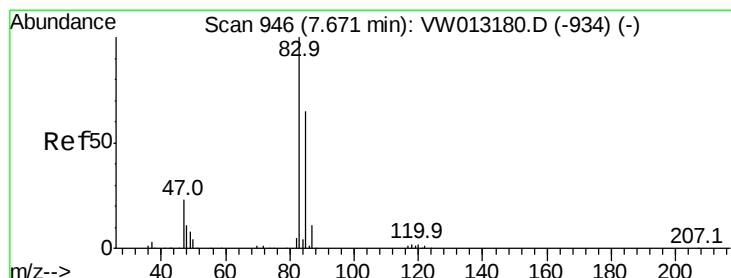
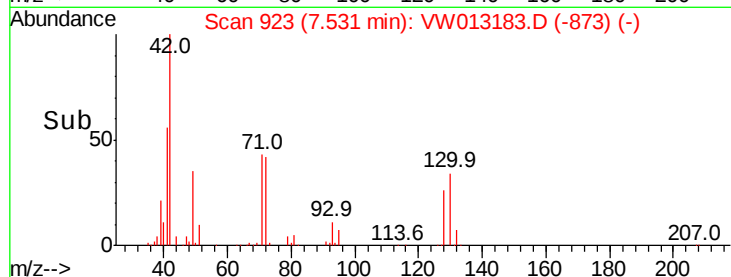
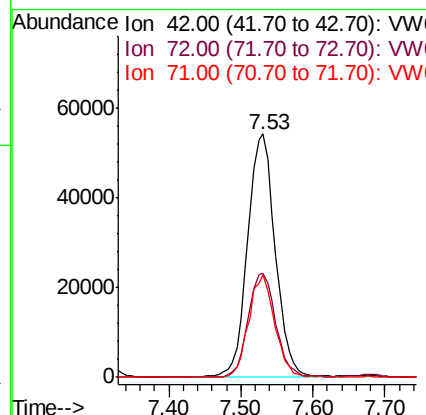
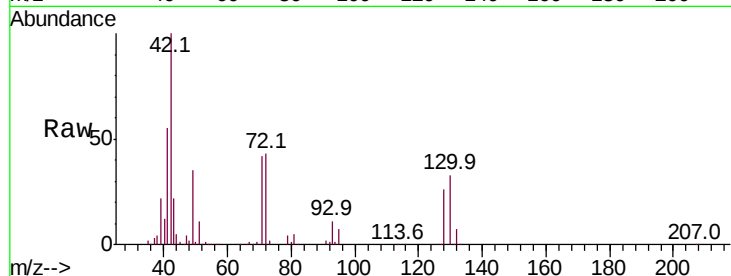




#29
Tetrahydrofuran
Concen: 225.981 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

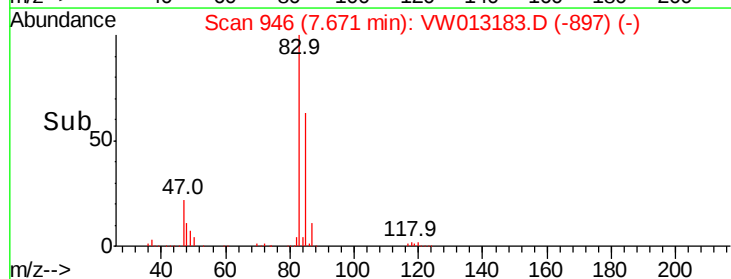
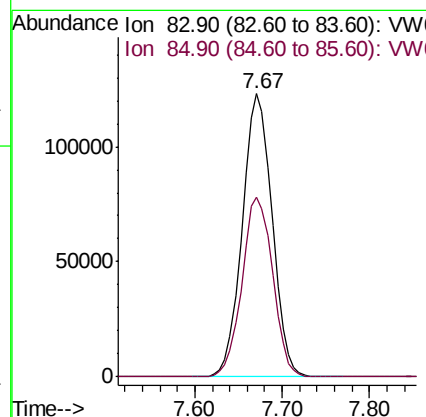
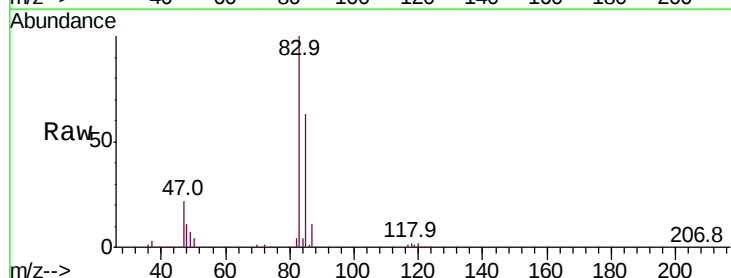
Instrument :
MSVOA_W
ClientSampleId :

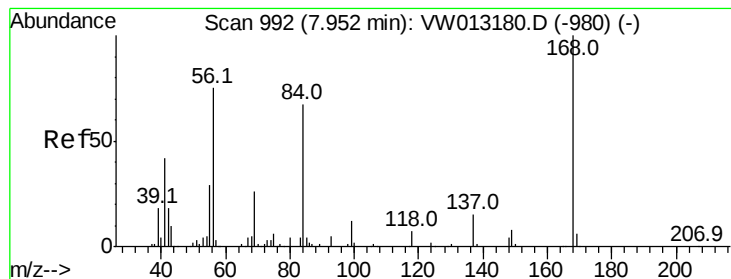
Tot Ion: 42 Resp: 145540
Ion Ratio Lower Upper
42 100
72 42.6 33.9 50.9
71 39.6 31.9 47.9



#30
Chloroform
Concen: 46.141 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 83 Resp: 291405
Ion Ratio Lower Upper
83 100
85 63.3 52.3 78.5





#31

Cyclohexane

Concen: 46.119 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampled :

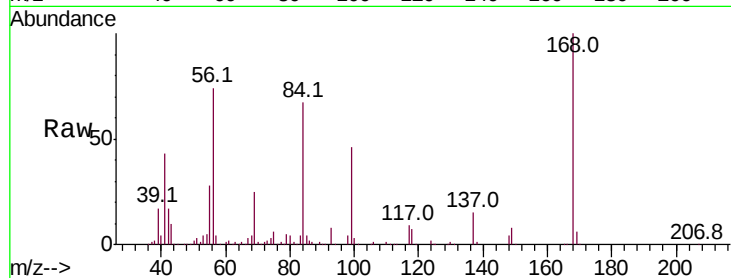
Tot Ion: 56 Resp: 310113

Ion Ratio Lower Upper

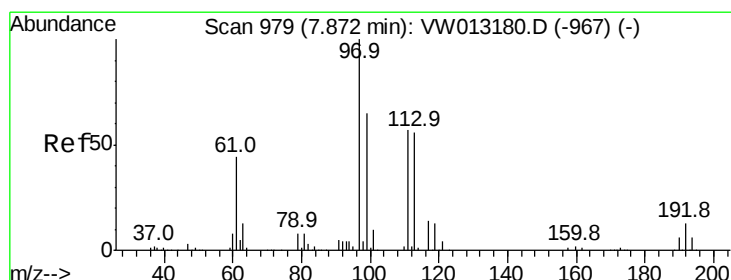
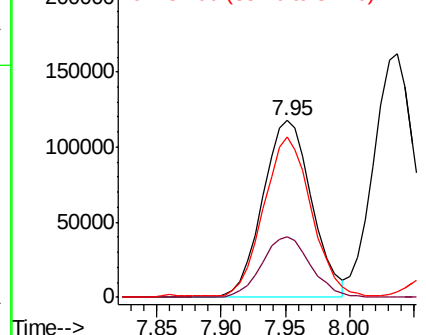
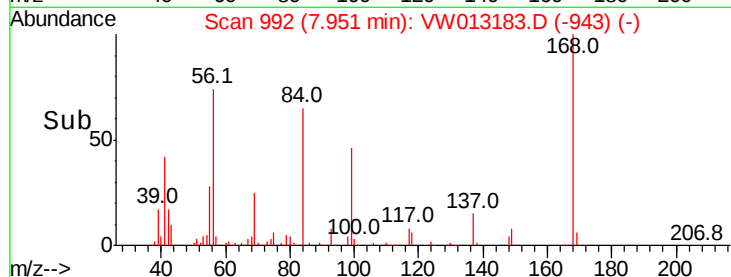
56 100

69 34.4 27.2 40.8

84 89.6 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 47.253 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

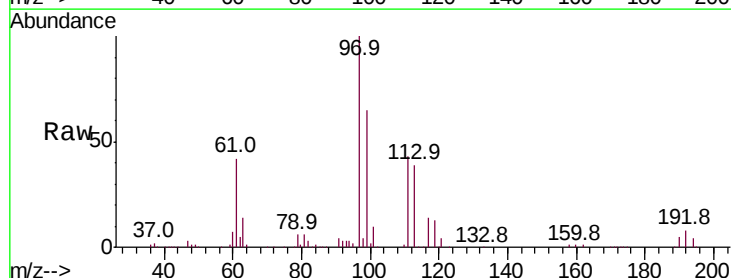
Tgt Ion: 97 Resp: 241702

Ion Ratio Lower Upper

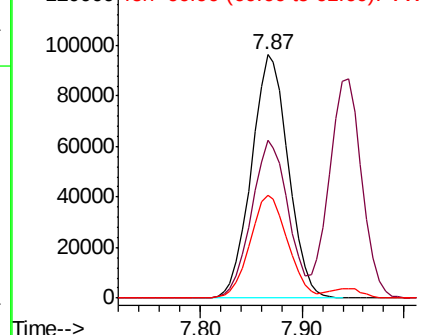
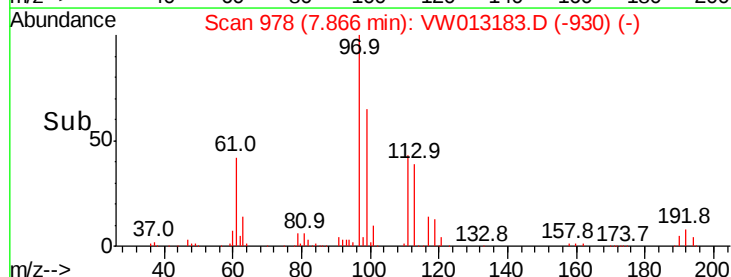
97 100

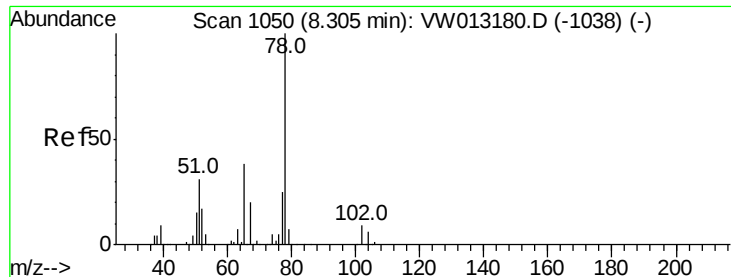
99 64.0 51.7 77.5

61 42.9 34.6 51.8



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

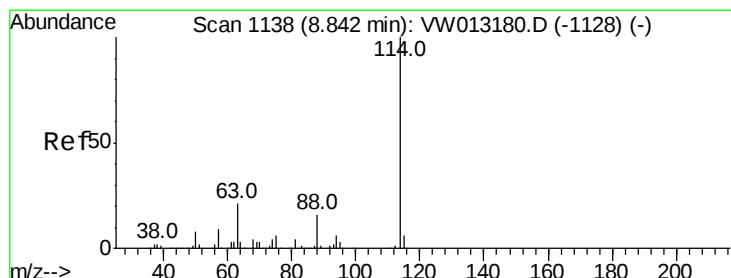
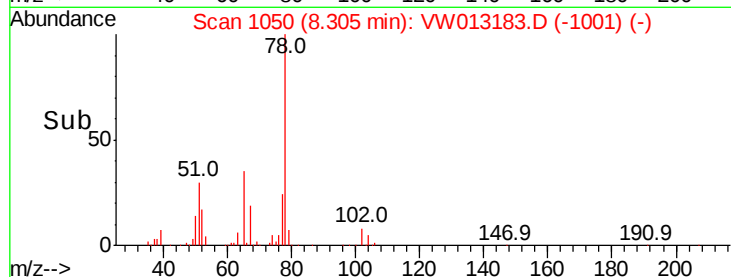
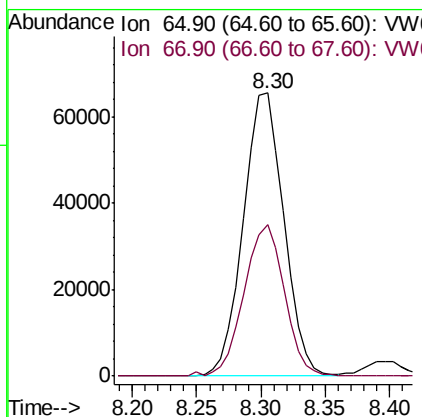
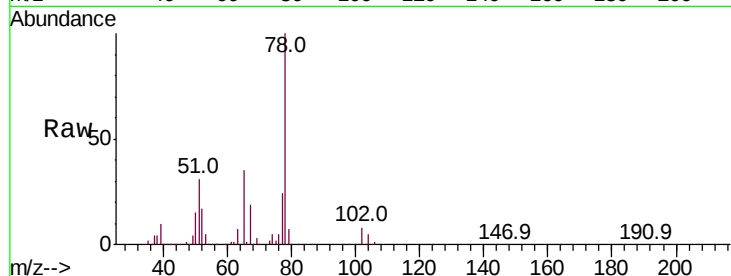




#33
 1,2-Dichloroethane-d4
 Concen: 46.070 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

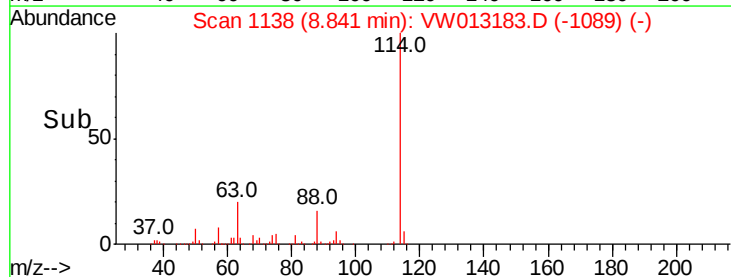
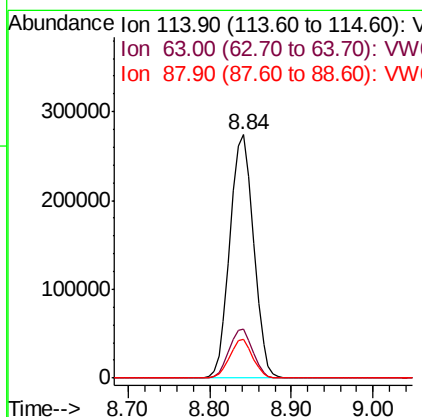
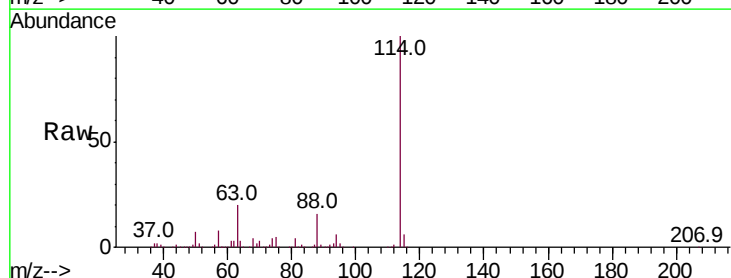
Instrument :
 MSVOA_W
 ClientSampleId :

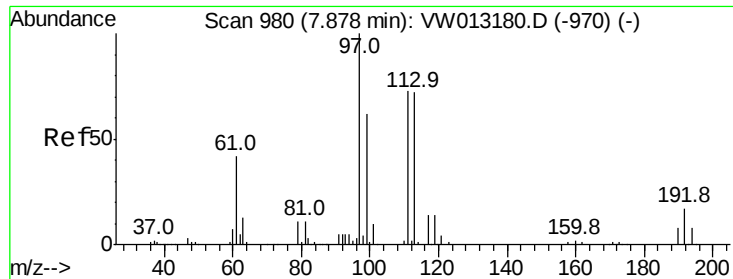
Tot Ion: 65 Resp: 142916
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion: 114 Resp: 547785
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.4
 88 15.9 0.0 32.0

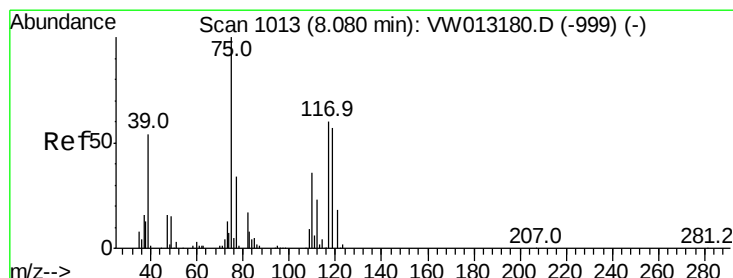
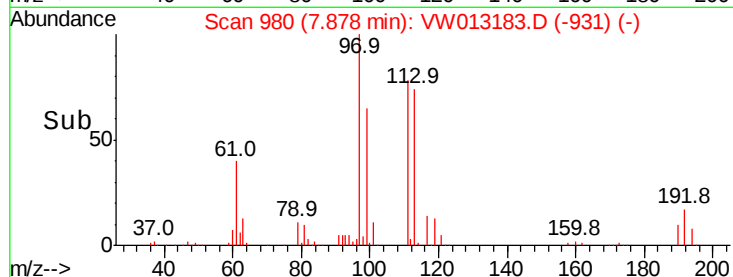
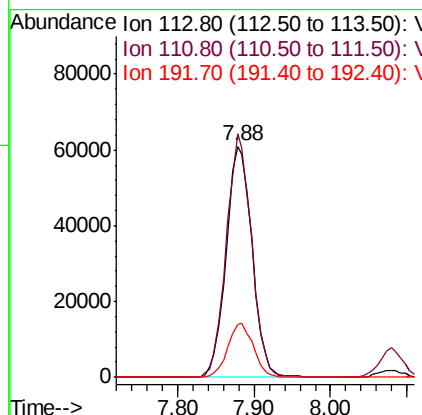
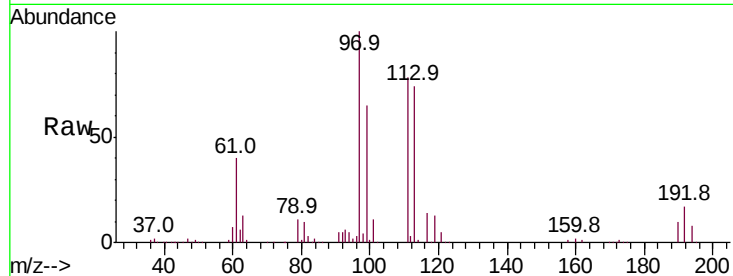




#35
 Dibromofluoromethane
 Concen: 47.354 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

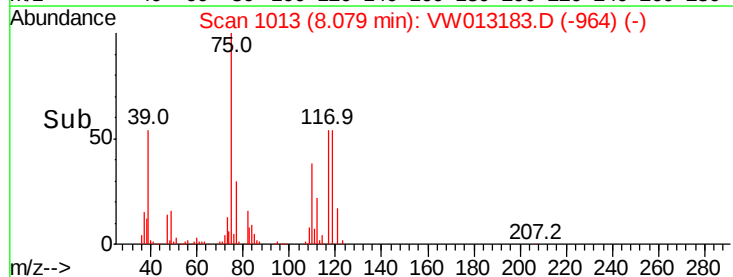
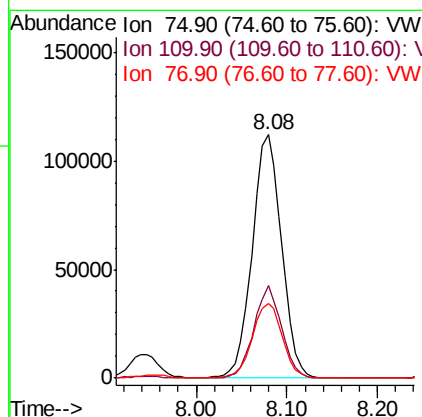
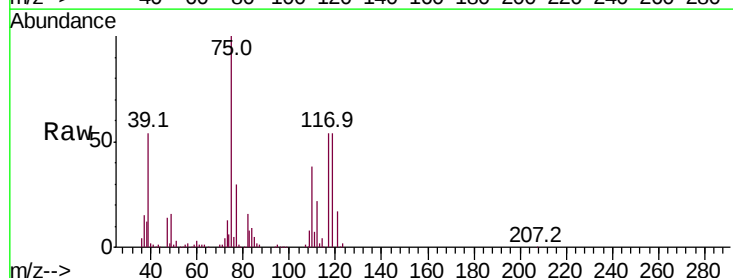
Instrument :
 MSVOA_W
 ClientSampleId :

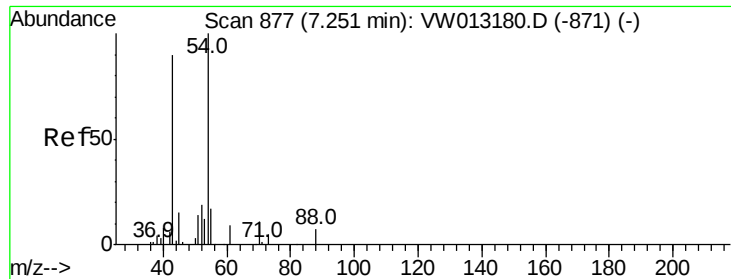
Tot Ion:113 Resp: 142670
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 23.0 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 47.230 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion: 75 Resp: 250588
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.1 54.3
 77 31.5 25.8 38.6

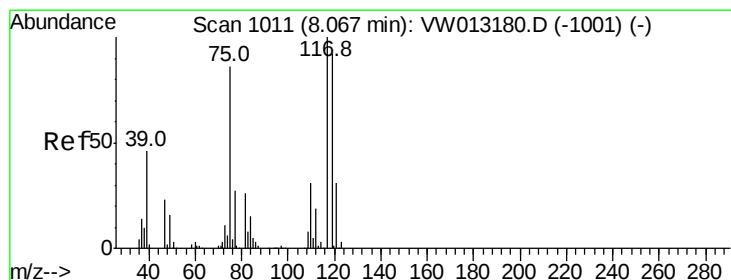
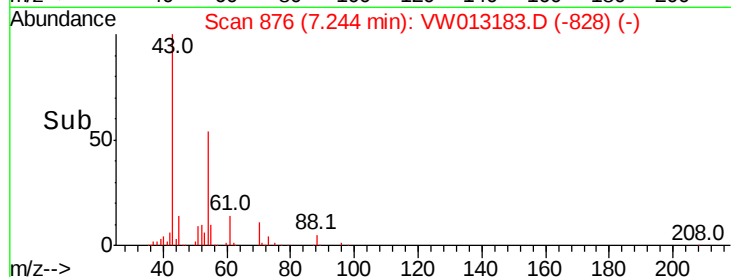
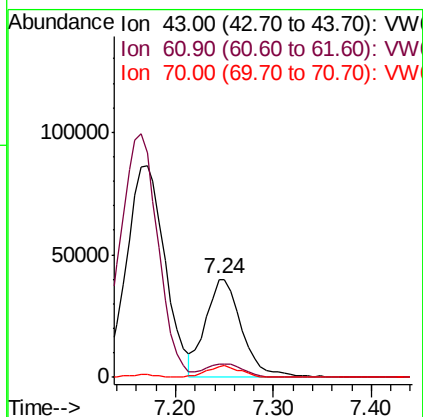
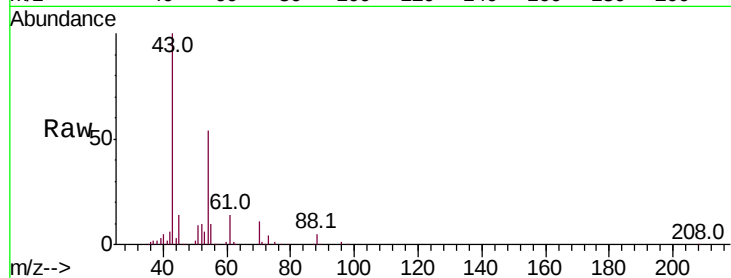




#37
Ethyl Acetate
Concen: 45.126 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

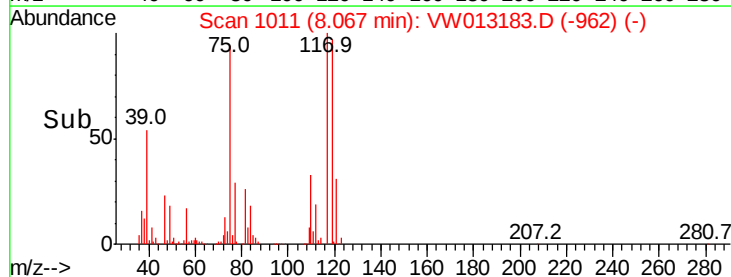
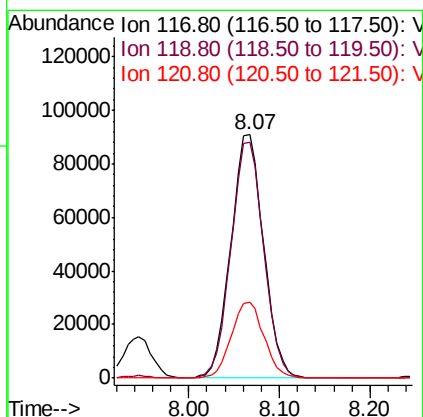
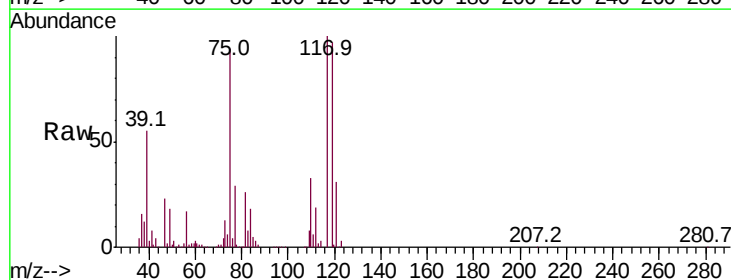
Instrument :
MSVOA_W
ClientSampled :

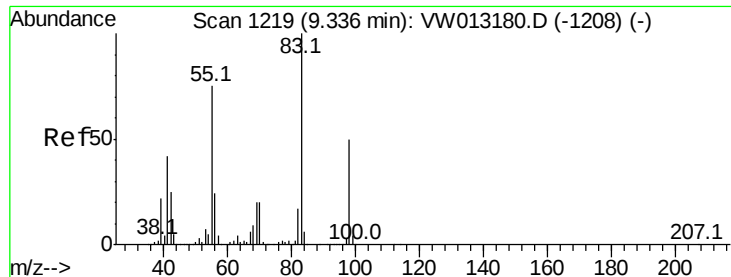
Tot Ion: 43 Resp: 101755
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 11.1 8.2 12.2



#38
Carbon Tetrachloride
Concen: 47.901 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 117 Resp: 227824
Ion Ratio Lower Upper
117 100
119 96.8 73.5 110.3
121 30.9 25.0 37.6

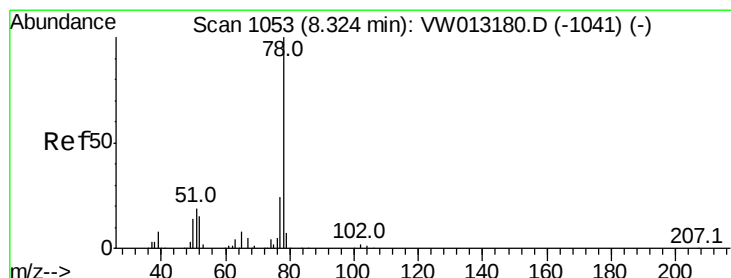
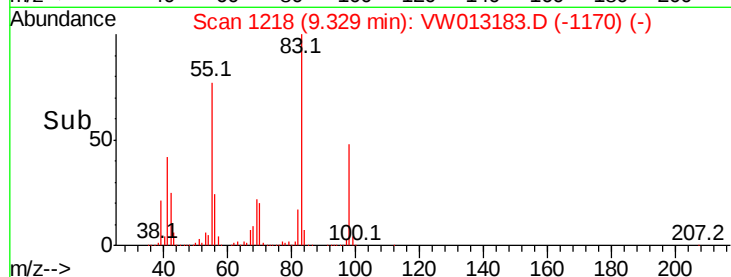
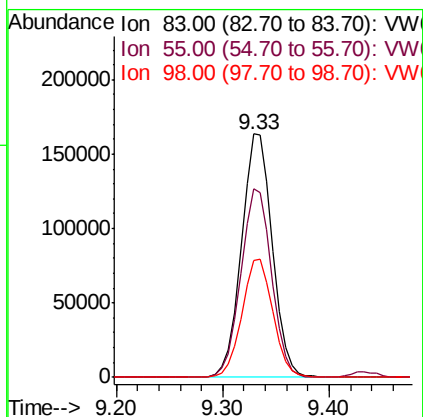
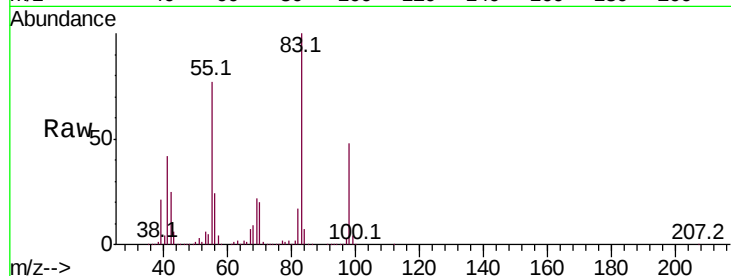




#39
Methvlcvclohexane
Concen: 48.771 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

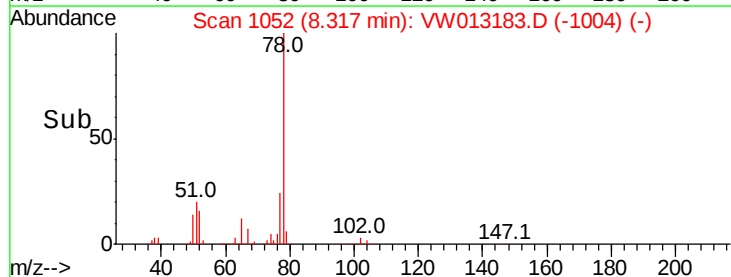
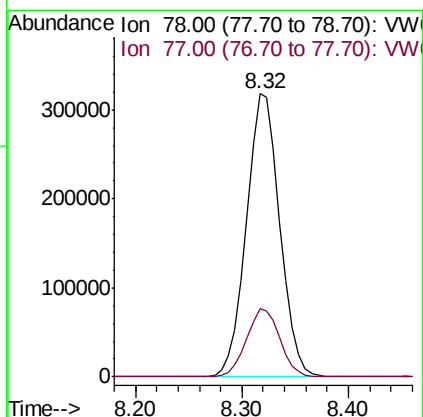
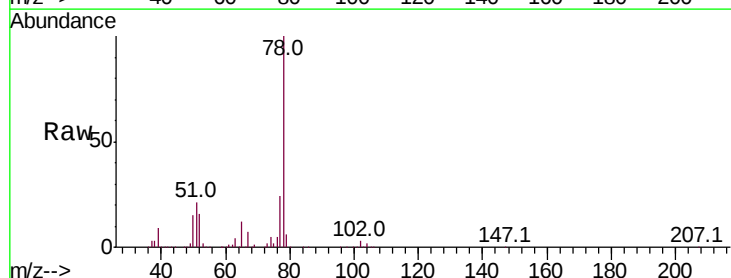
Instrument :
MSVOA_W
ClientSampleId :

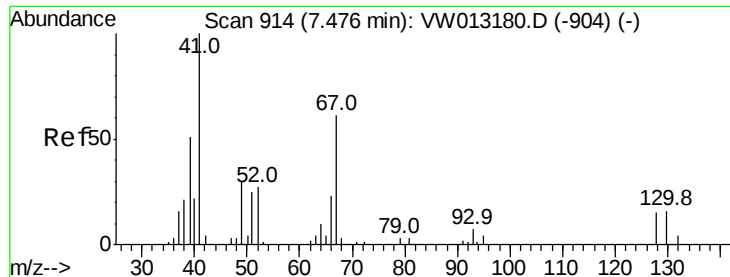
Tot Ion: 83 Resp: 332539
Ion Ratio Lower Upper
83 100
55 77.4 60.4 90.6
98 47.8 40.0 60.0



#40
Benzene
Concen: 47.296 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 78 Resp: 699939
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7





#41

Methacrylonitrile

Concen: 45.973 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 61871

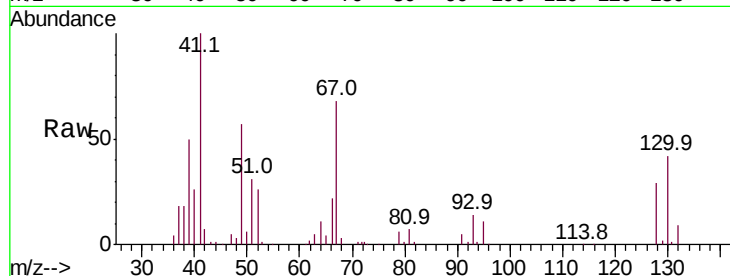
Ion Ratio Lower Upper

41 100

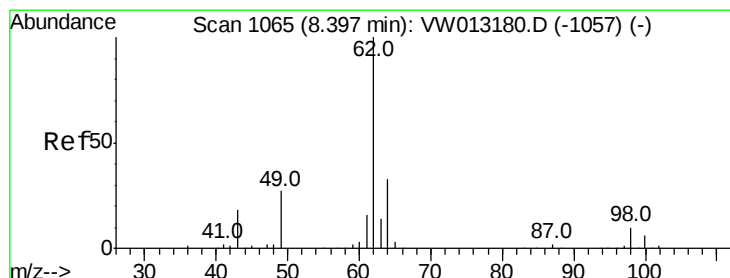
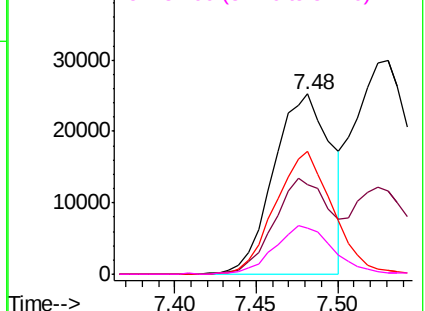
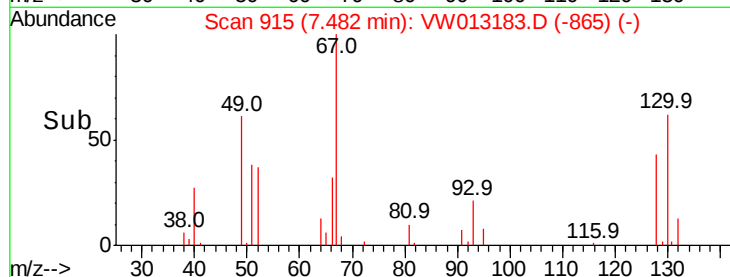
39 51.2 45.9 68.9

67 67.8 54.5 81.7

52 27.7 22.5 33.7



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



#42

1,2-Dichloroethane

Concen: 46.102 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013183.D

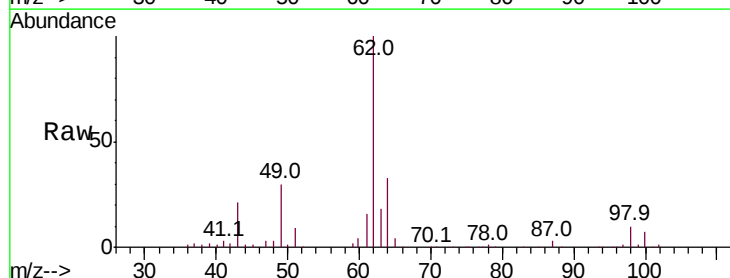
Acq: 20 Sep 2019 15:34

Tgt Ion: 62 Resp: 183408

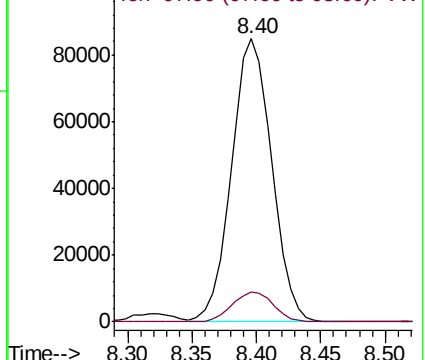
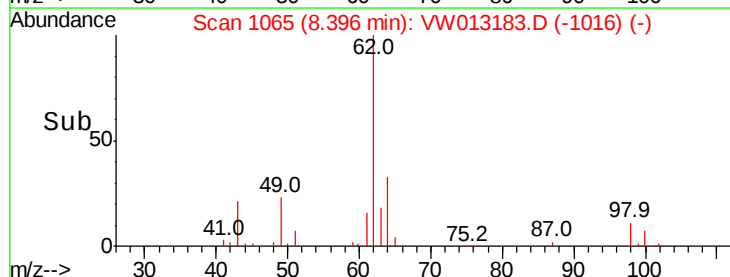
Ion Ratio Lower Upper

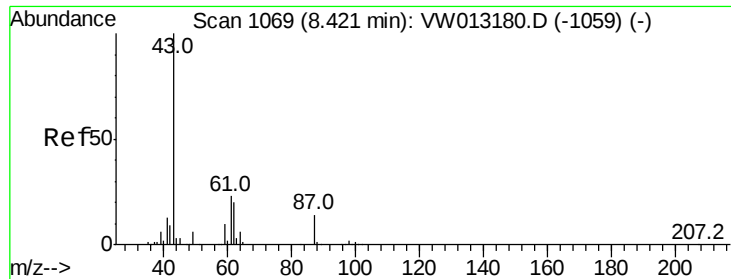
62 100

98 10.7 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 45.726 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

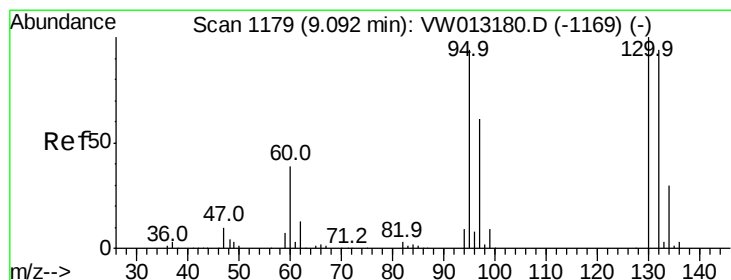
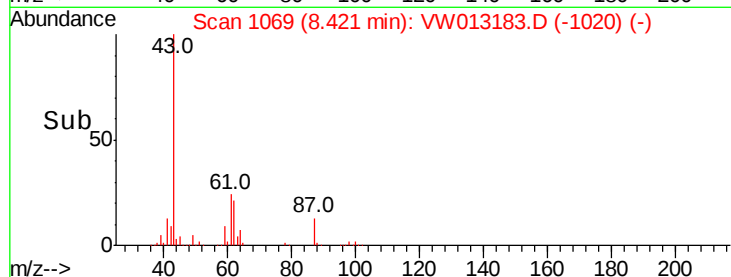
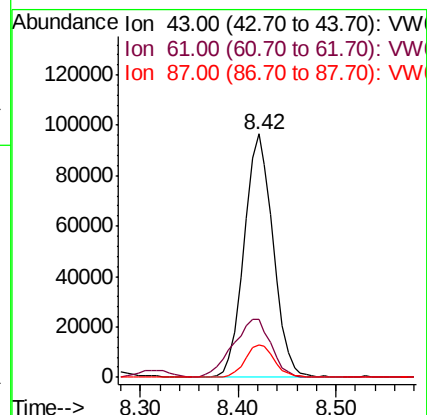
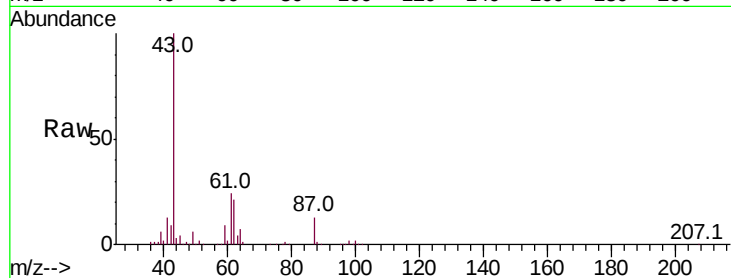
Tot Ion: 43 Resp: 197615

Ion Ratio Lower Upper

43 100

61 31.7 25.5 38.3

87 13.6 11.0 16.4



#44

Trichloroethene

Concen: 47.287 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013183.D

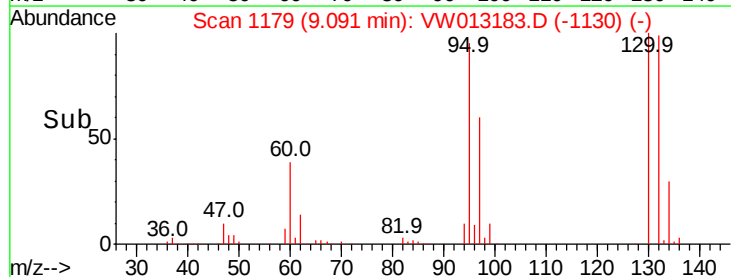
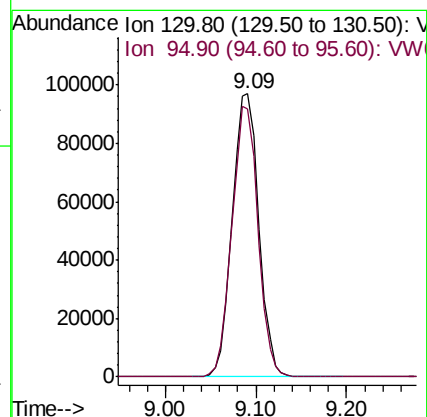
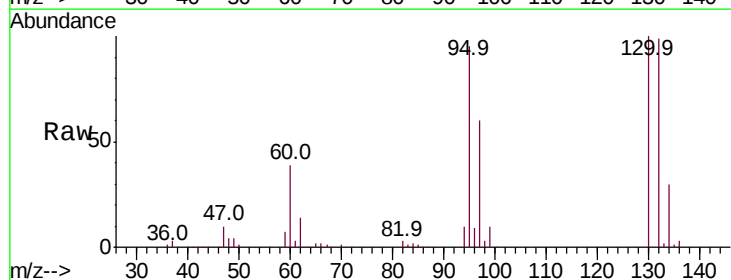
Acq: 20 Sep 2019 15:34

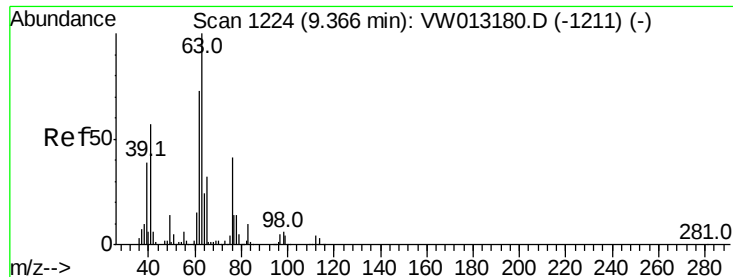
Tgt Ion: 130 Resp: 196346

Ion Ratio Lower Upper

130 100

95 94.6 0.0 188.0





#45

1,2-Dichloropropane

Concen: 47.627 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

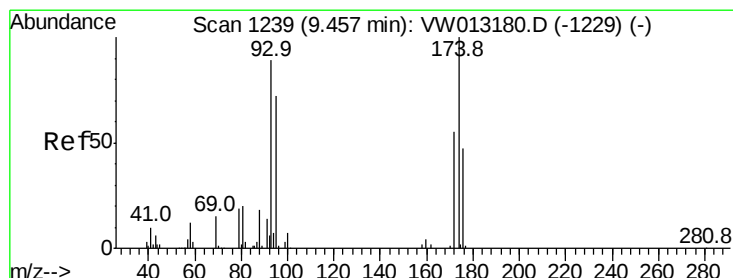
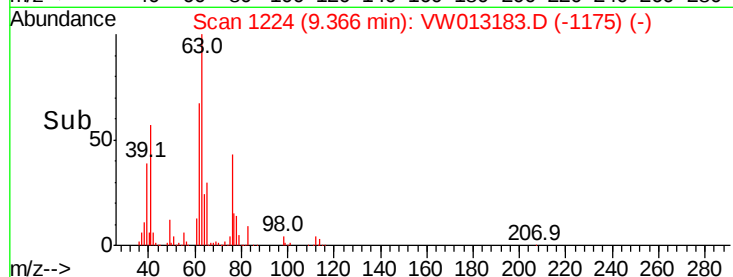
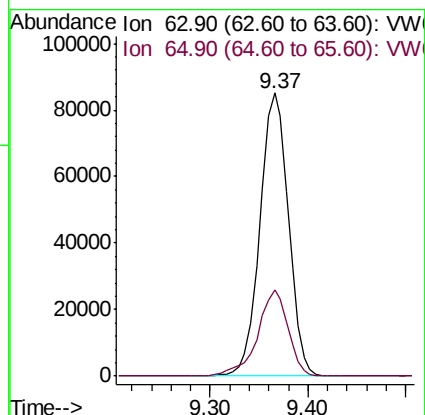
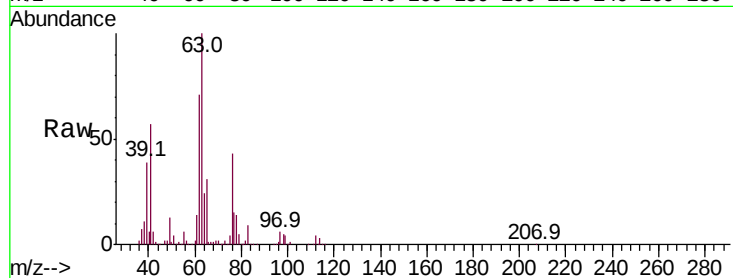
ClientSampleId :

Tot Ion: 63 Resp: 172081

Ion Ratio Lower Upper

63 100

65 30.7 25.3 37.9



#46

Dibromomethane

Concen: 47.009 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

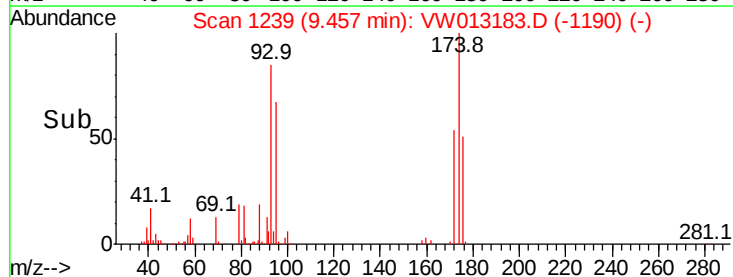
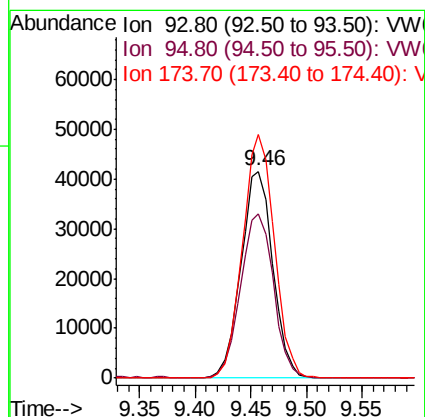
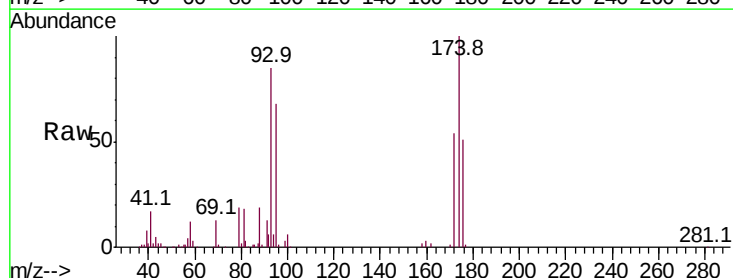
Tgt Ion: 93 Resp: 82460

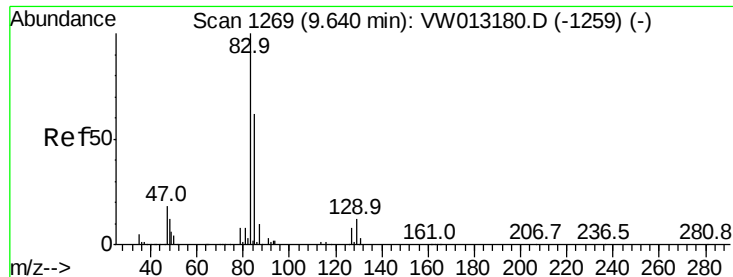
Ion Ratio Lower Upper

93 100

95 82.2 66.4 99.6

174 117.8 93.0 139.6





#47

Bromodichloromethane

Concen: 47.957 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampled :

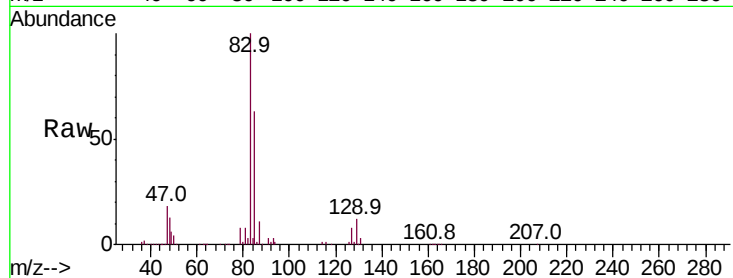
Tot Ion: 83 Resp: 214055

Ion Ratio Lower Upper

83 100

85 62.5 49.4 74.2

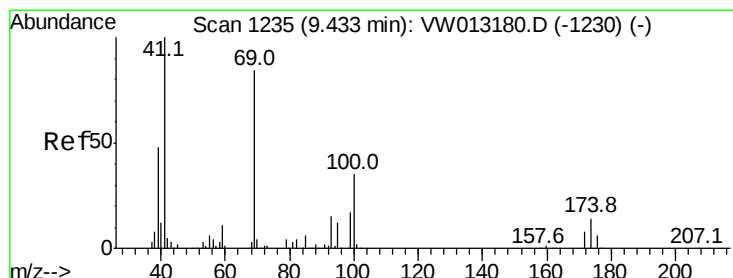
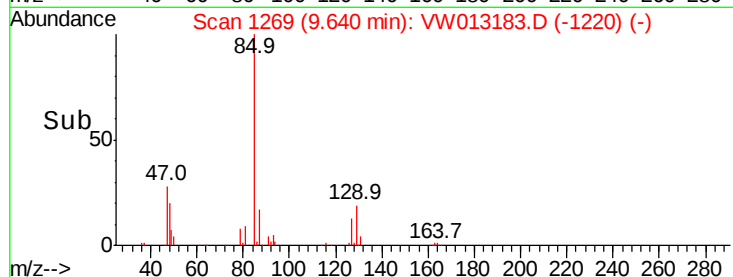
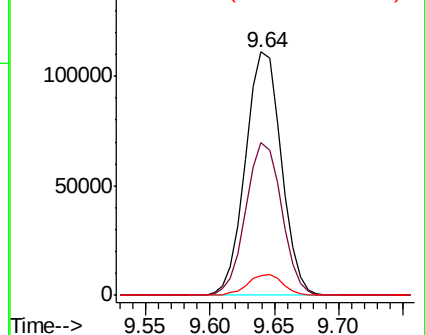
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 49.749 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

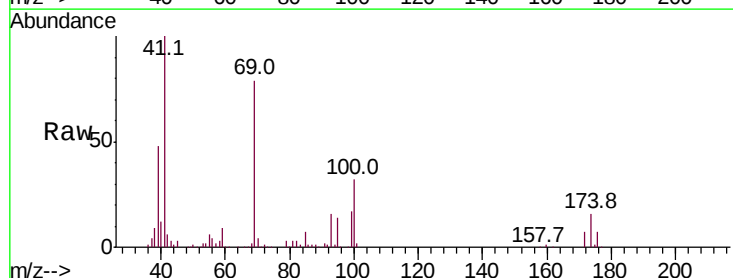
Tgt Ion: 41 Resp: 101099

Ion Ratio Lower Upper

41 100

69 80.5 69.7 104.5

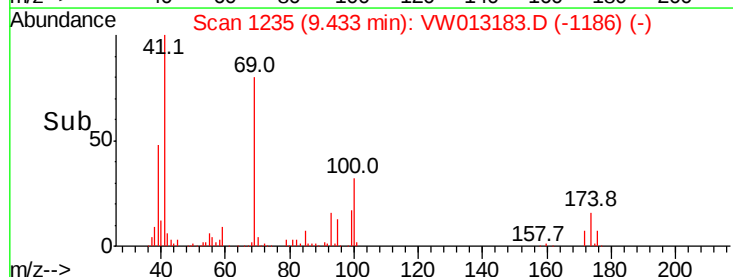
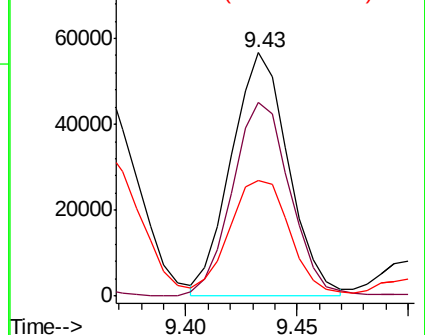
39 47.8 41.1 61.7

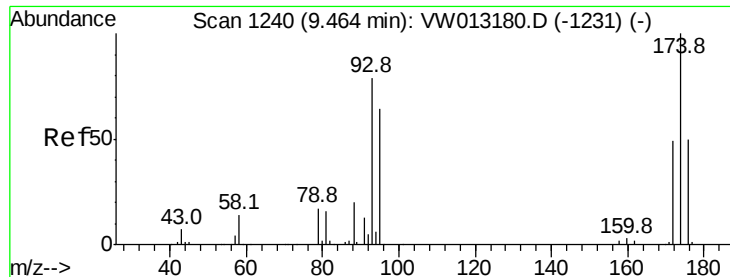


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 874.296 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :

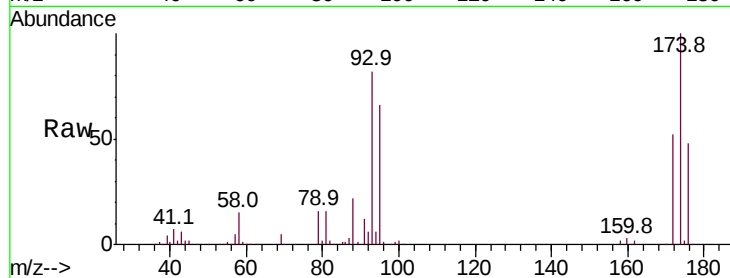
Tot Ion: 88 Resp: 23021

Ion Ratio Lower Upper

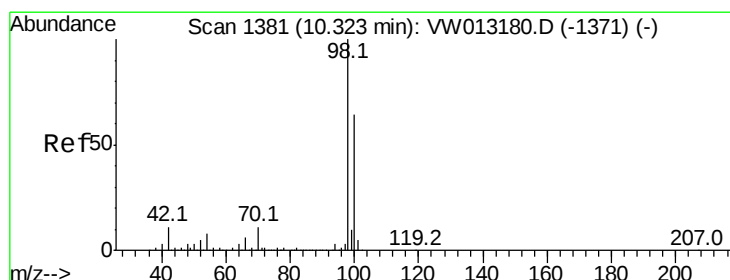
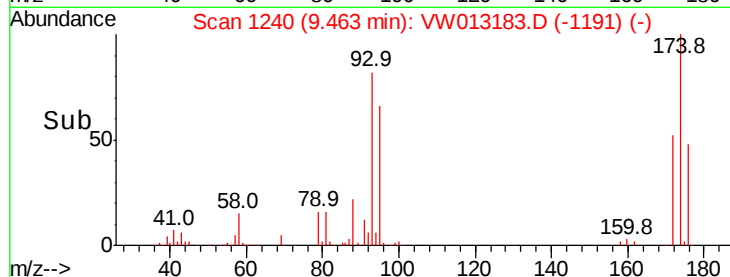
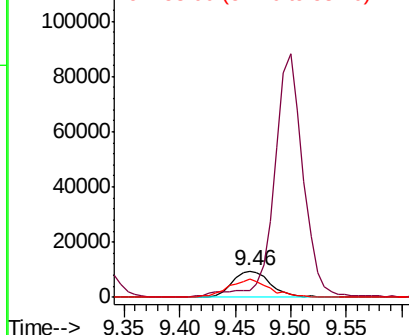
88 100

43 0.0 0.0 0.0

58 73.2 65.4 98.0



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



#50

Toluene-d8

Concen: 47.136 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013183.D

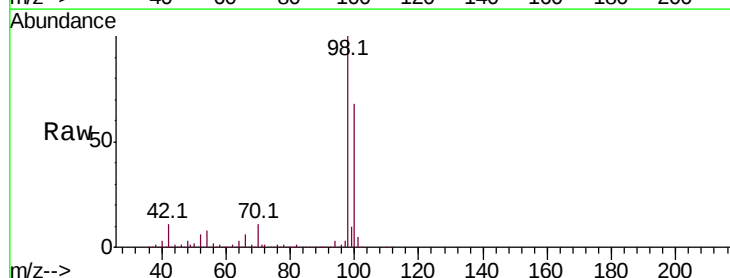
Acq: 20 Sep 2019 15:34

Tgt Ion: 98 Resp: 594334

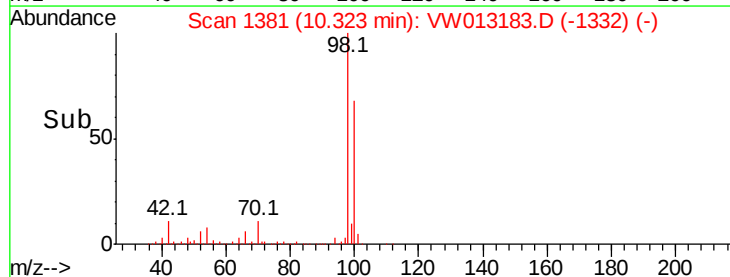
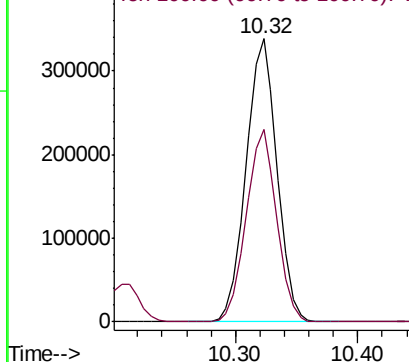
Ion Ratio Lower Upper

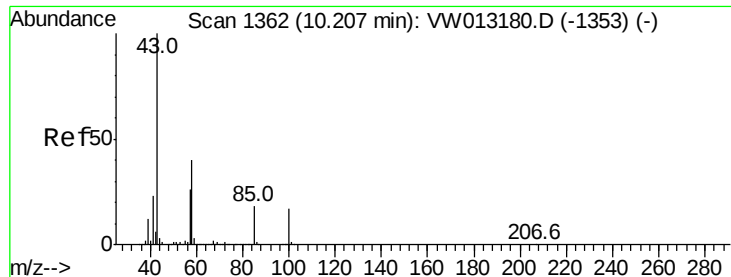
98 100

100 67.0 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 227.362 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

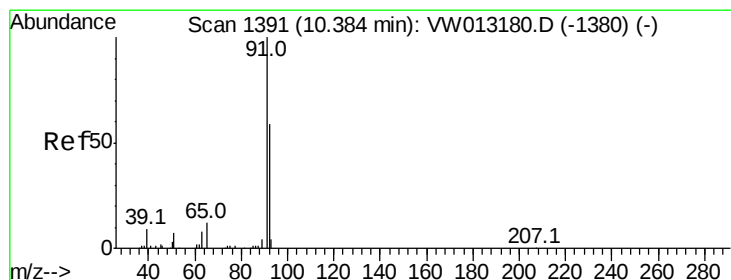
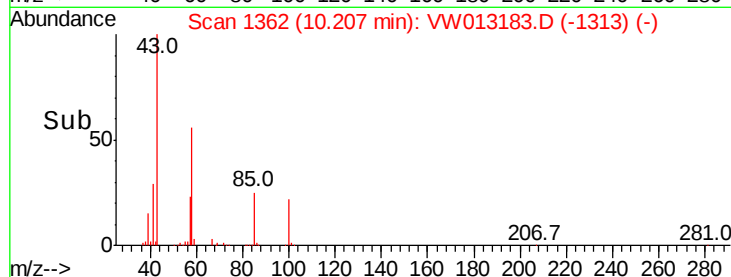
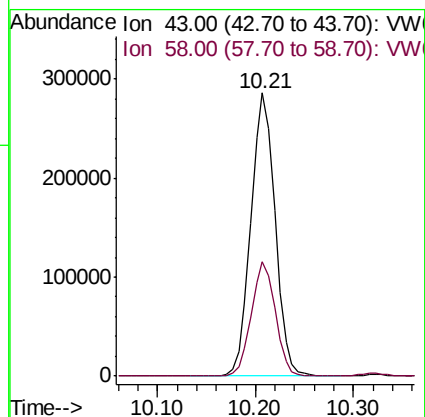
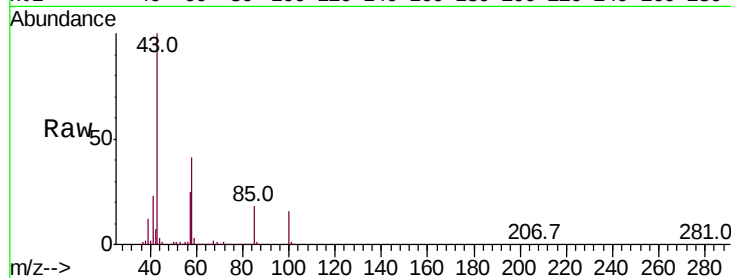
ClientSampleId :

Tot Ion: 43 Resp: 492601

Ion Ratio Lower Upper

43 100

58 40.3 31.7 47.5



#52

Toluene

Concen: 47.528 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013183.D

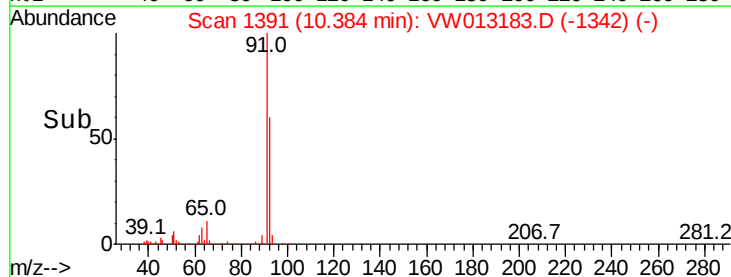
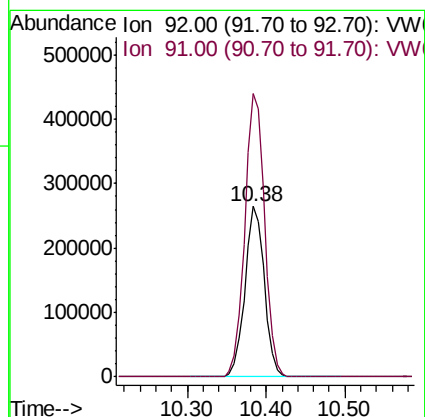
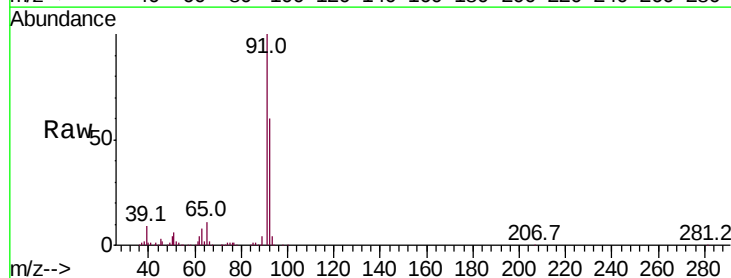
Acq: 20 Sep 2019 15:34

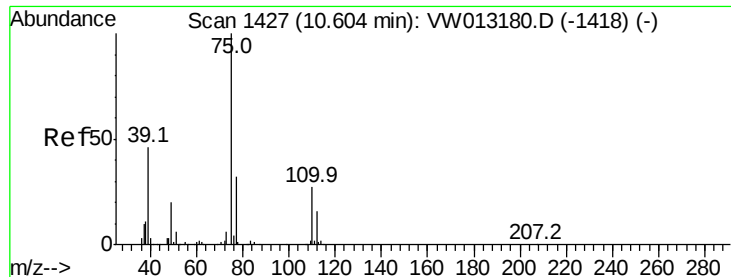
Tgt Ion: 92 Resp: 450784

Ion Ratio Lower Upper

92 100

91 169.3 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 48.697 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

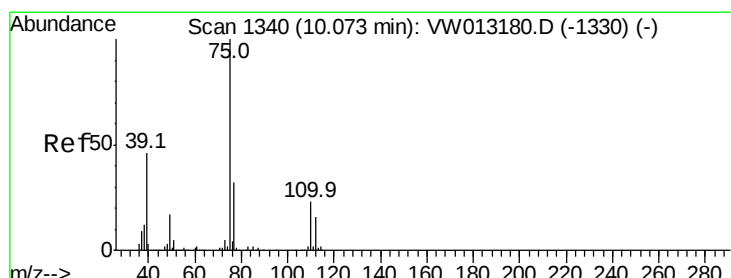
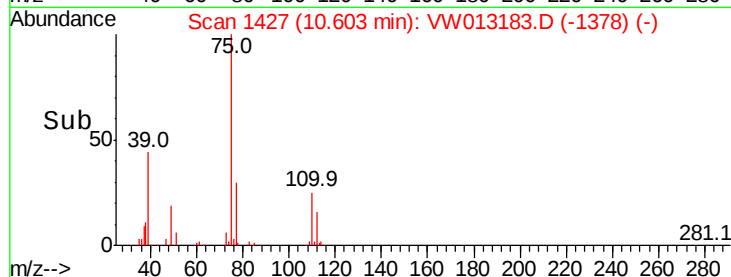
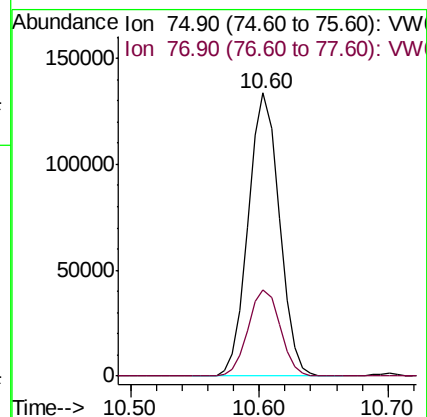
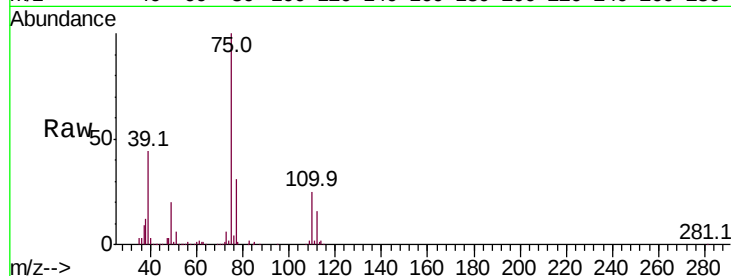
ClientSampled :

Tot Ion: 75 Resp: 223312

Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 48.791 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

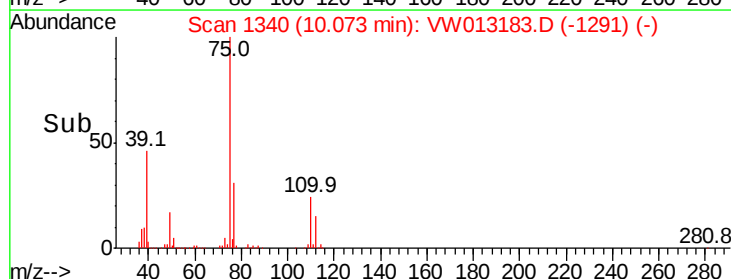
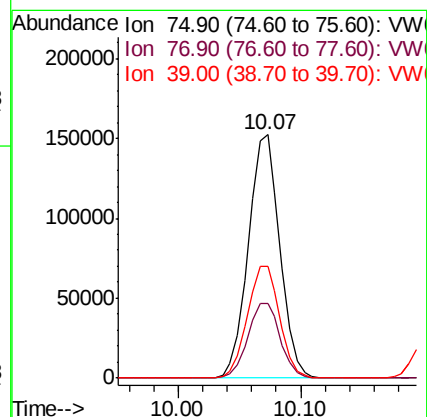
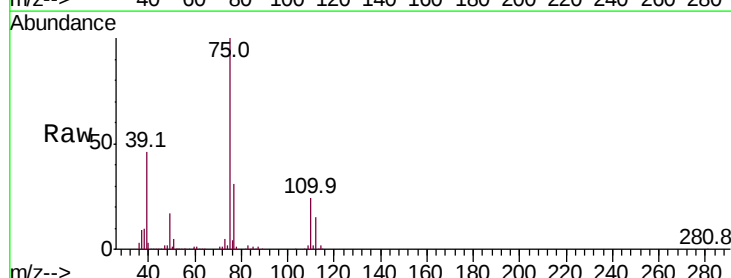
Tgt Ion: 75 Resp: 272044

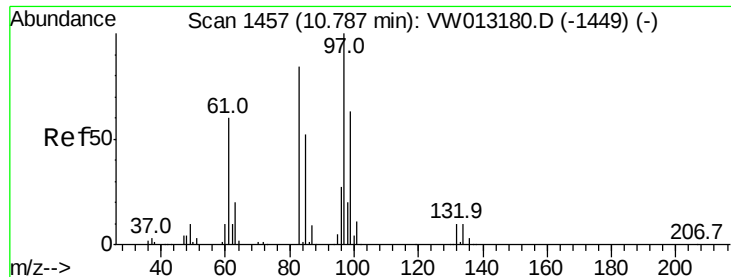
Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8

39 45.9 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 46.420 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

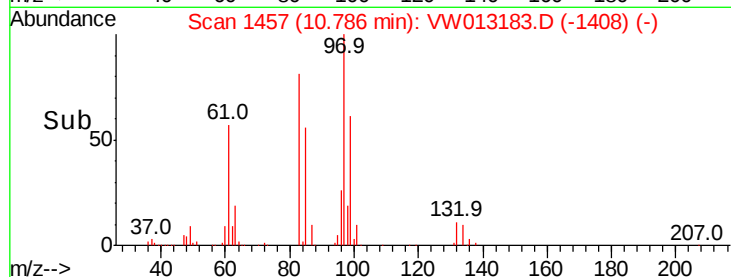
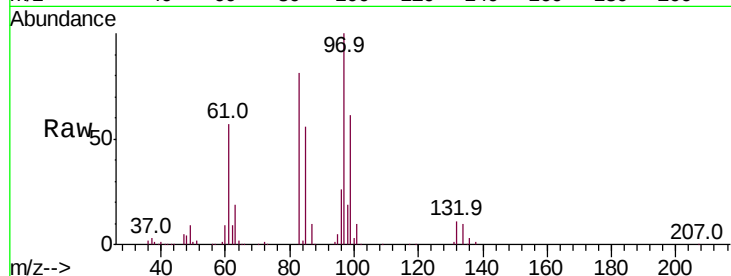
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 121707

Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.6	101.4
85	56.3	41.9	62.9
99	61.1	50.1	75.1

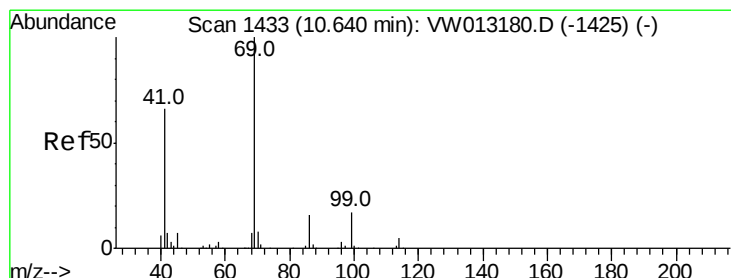
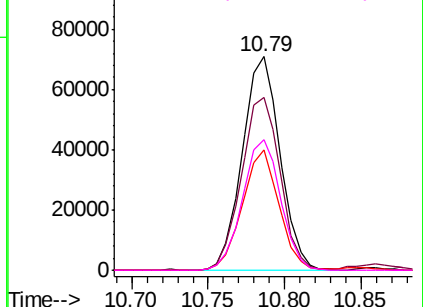


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 47.862 ug/l

RT: 10.65 min Scan# 1434

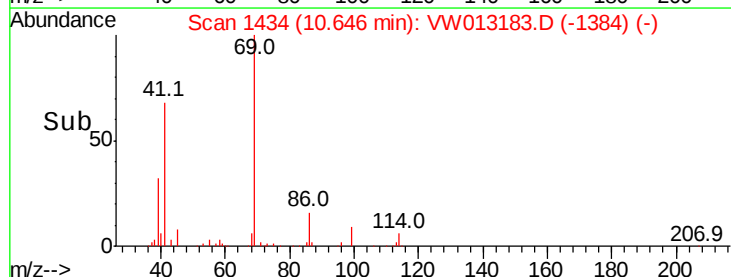
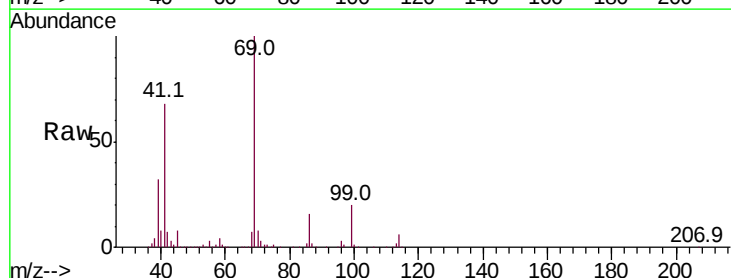
Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion: 69 Resp: 164229

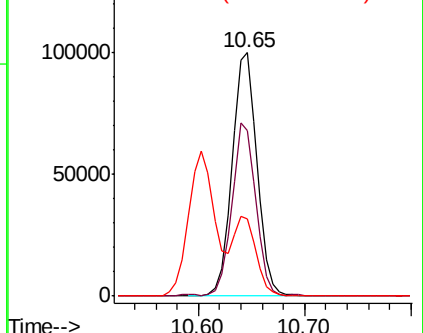
Ion	Ratio	Lower	Upper
69	100		
41	67.8	53.9	80.9
39	28.5	23.8	35.6

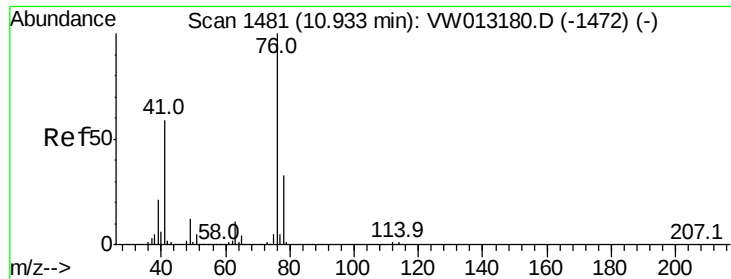


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 46.573 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

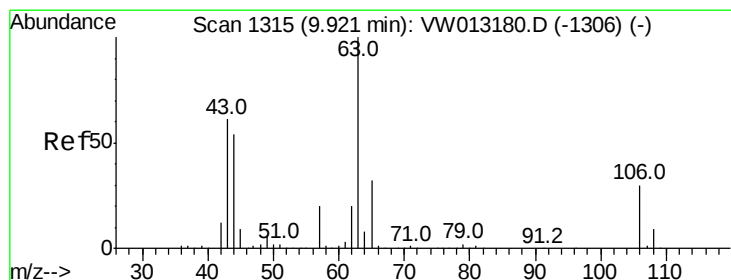
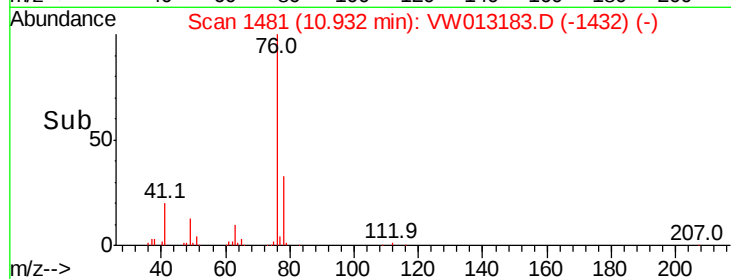
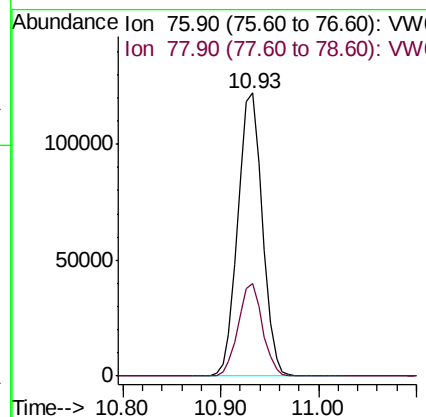
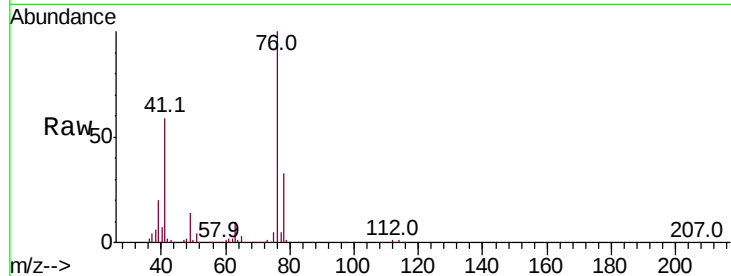
Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 213084

Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 246.263 ug/l

RT: 9.92 min Scan# 1315

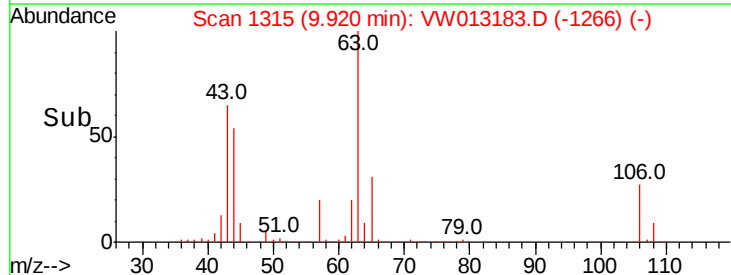
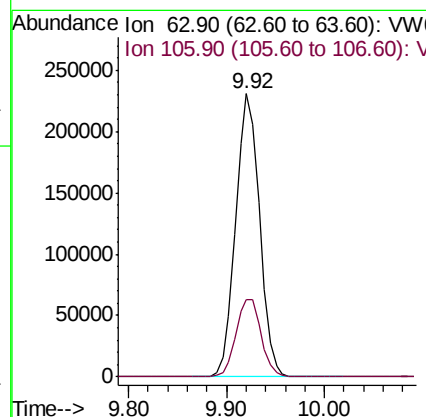
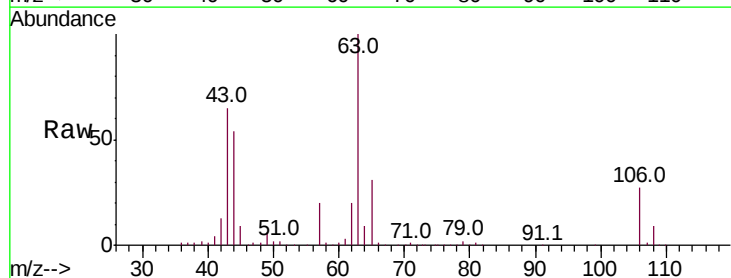
Delta R.T. -0.00 min

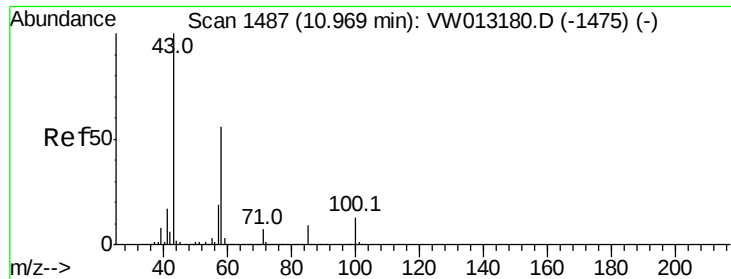
Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion: 63 Resp: 391193

Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.4	35.0

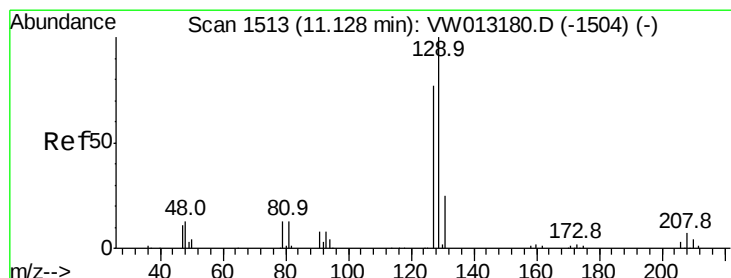
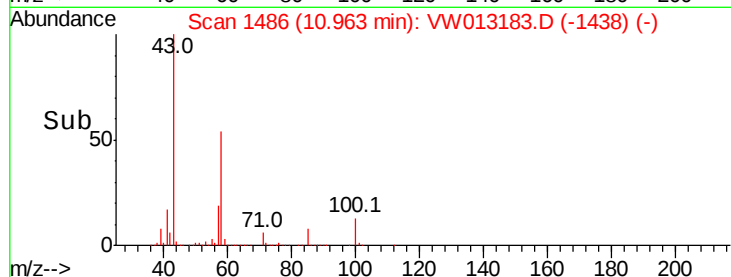
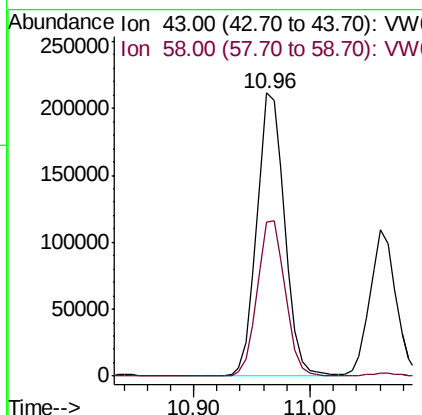
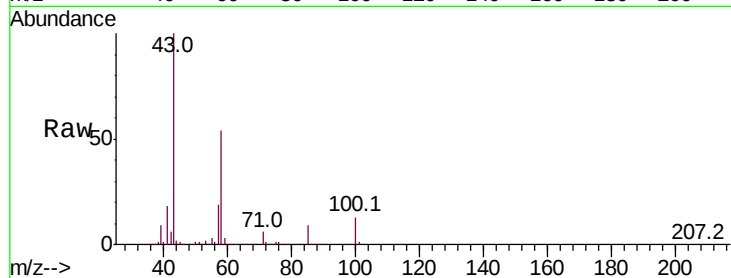




#59
2-Hexanone
Concen: 236.976 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

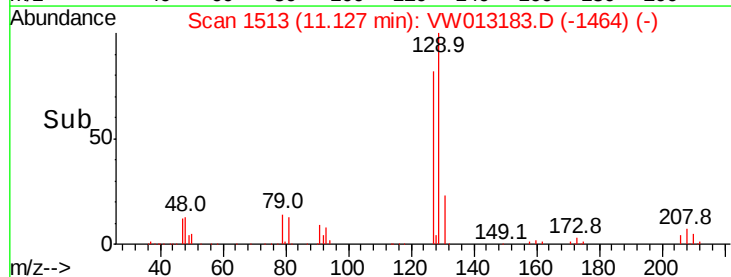
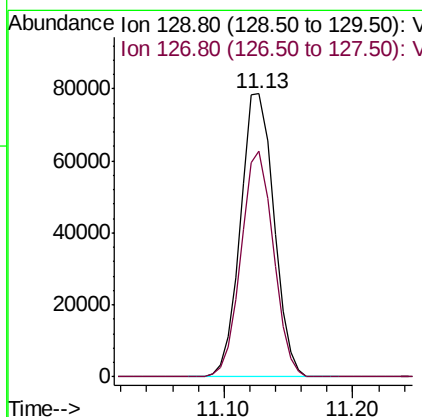
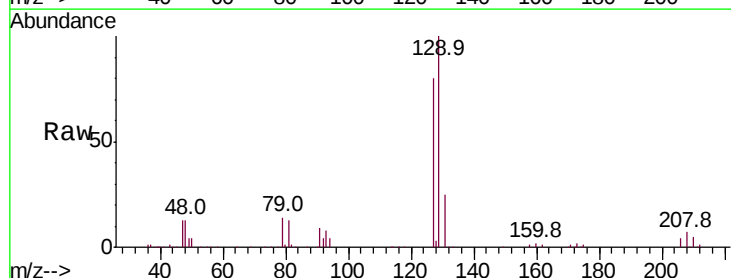
Instrument :
MSVOA_W
ClientSampleId :

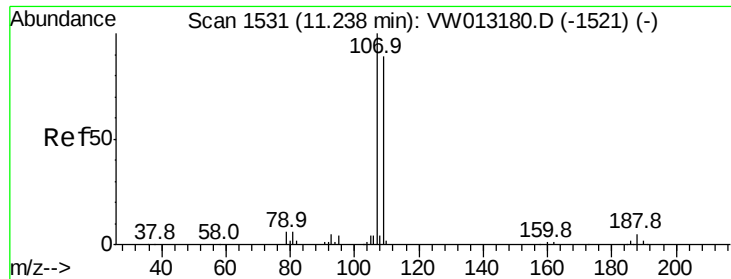
Tot Ion: 43 Resp: 353238
Ion Ratio Lower Upper
43 100
58 55.4 28.1 84.2



#60
Dibromochloromethane
Concen: 47.530 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 129 Resp: 141501
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.4





#61

1,2-Dibromoethane

Concen: 46.408 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

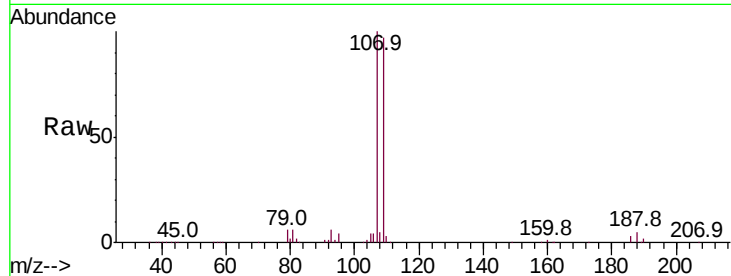
ClientSampleId :

Tot Ion:107 Resp: 115690

Ion Ratio Lower Upper

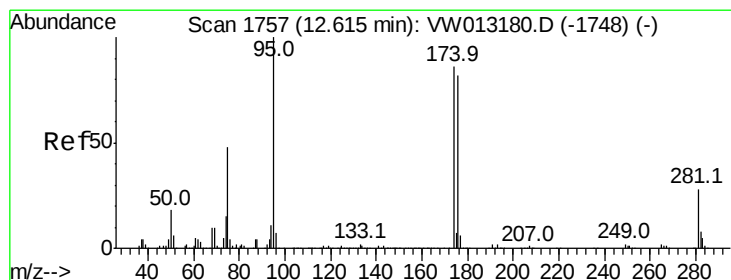
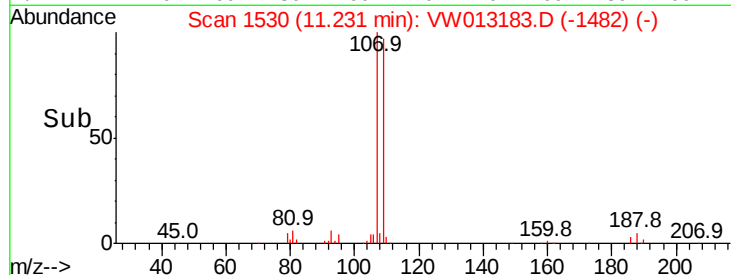
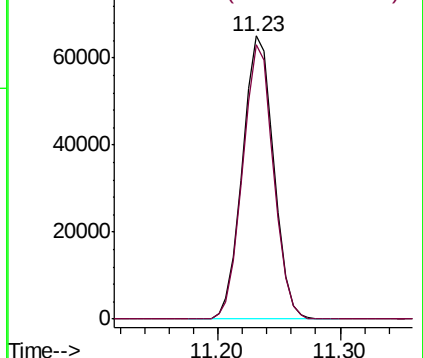
107 100

109 95.2 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.925 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

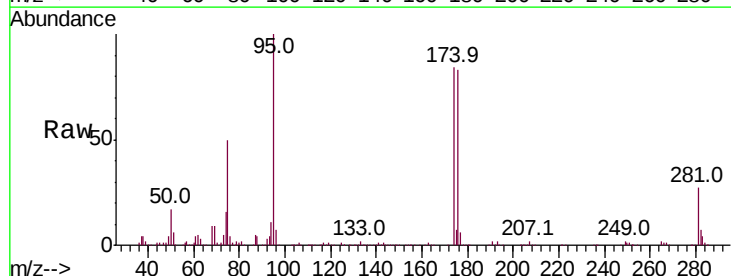
Tgt Ion: 95 Resp: 202111

Ion Ratio Lower Upper

95 100

174 89.0 0.0 178.4

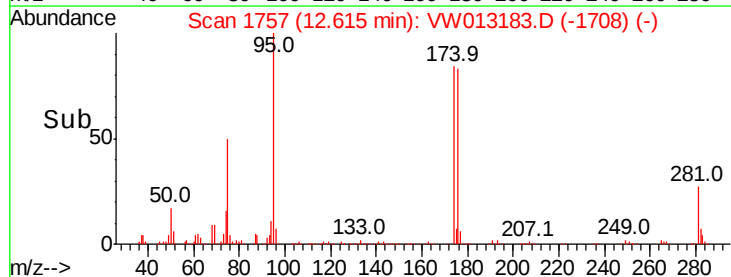
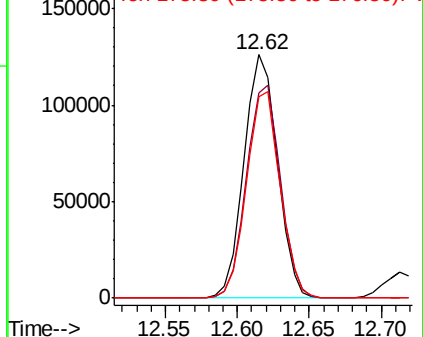
176 85.5 0.0 172.2

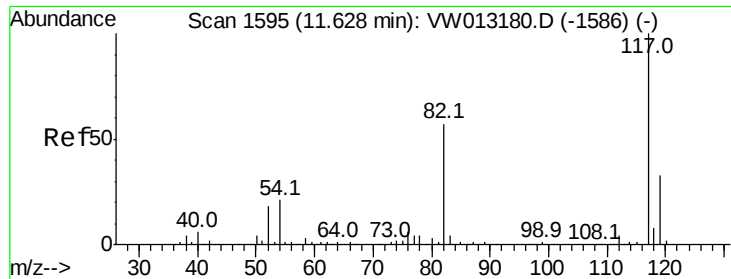


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

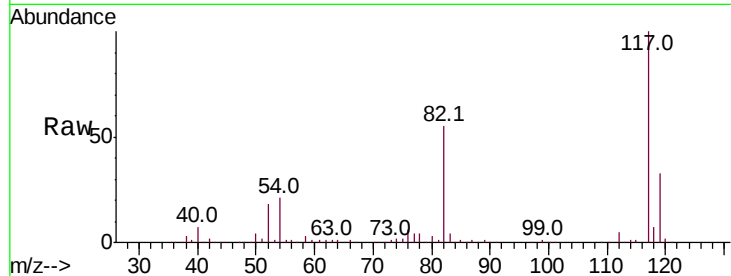




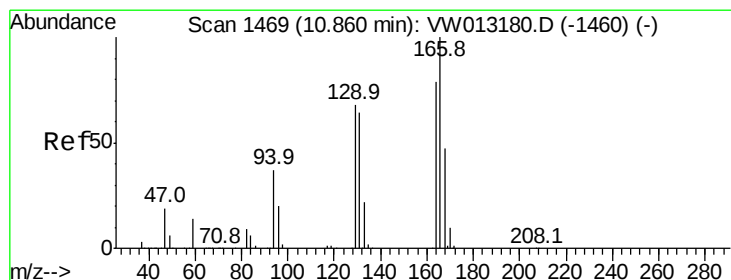
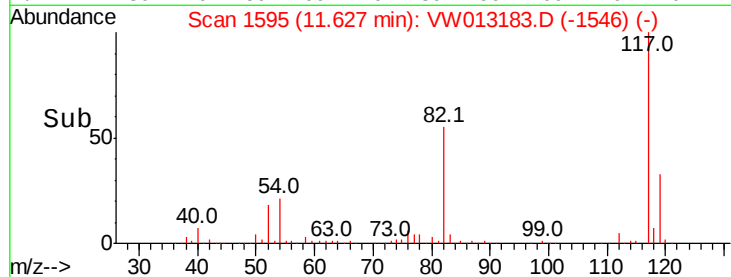
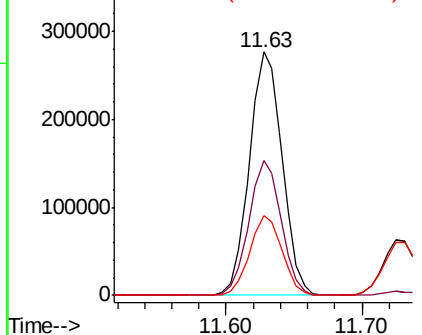
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 468312
Ion Ratio Lower Upper
117 100
82 55.3 45.9 68.9
119 32.6 26.2 39.2



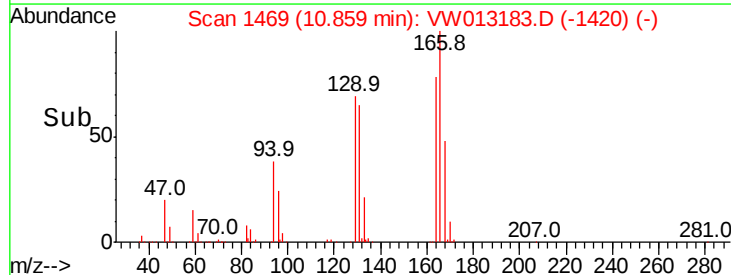
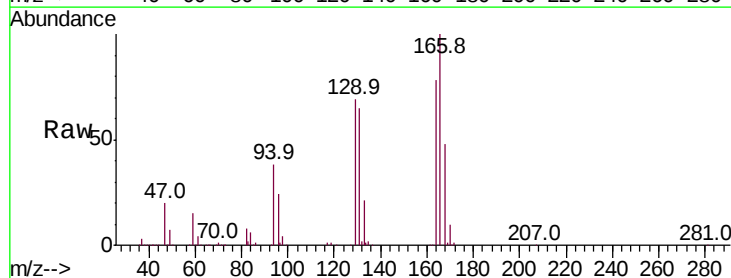
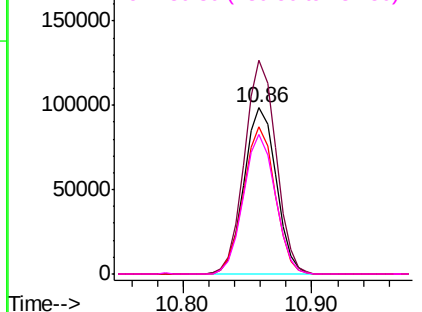
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

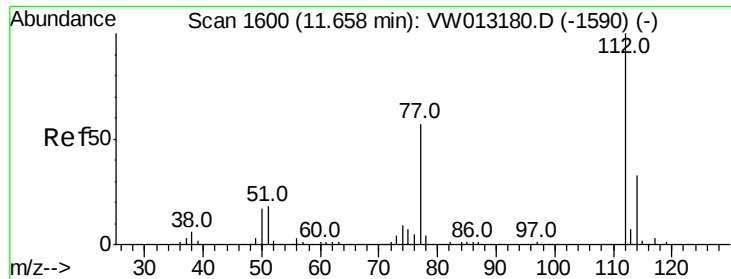


#64
Tetrachloroethene
Concen: 47.778 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion:164 Resp: 169768
Ion Ratio Lower Upper
164 100
166 128.7 101.2 151.8
129 88.9 68.8 103.2
131 83.9 65.2 97.8

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

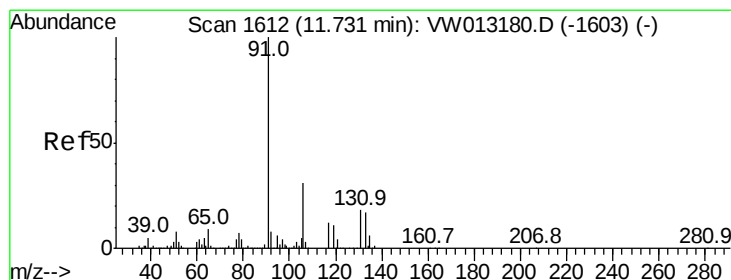
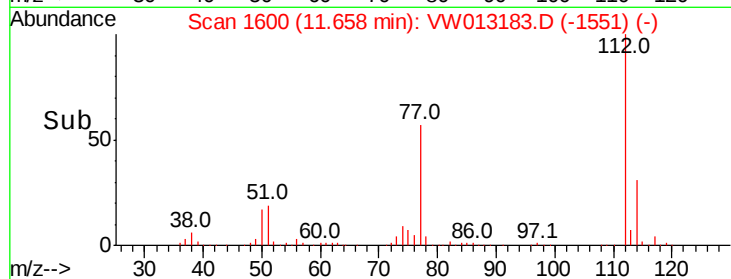
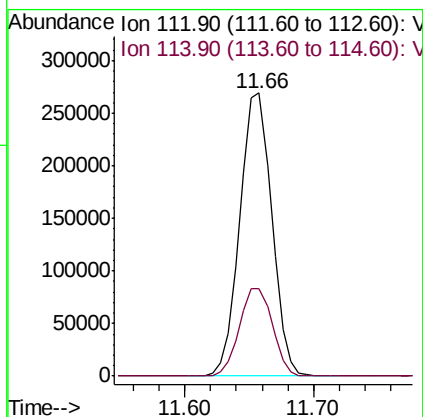
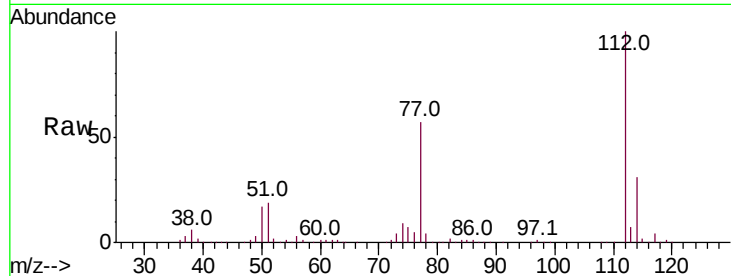




#65
Chlorobenzene
Concen: 47.382 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

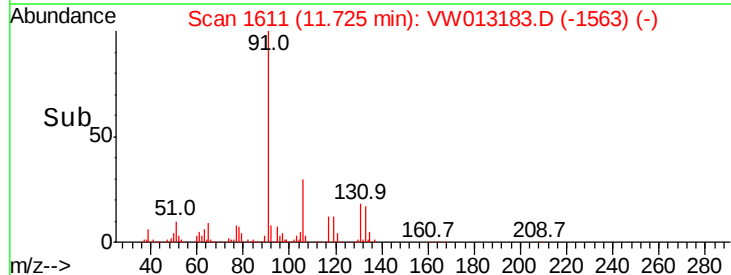
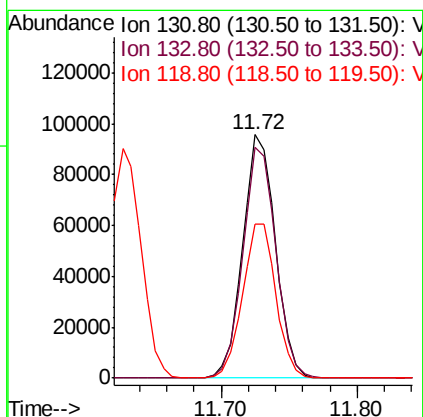
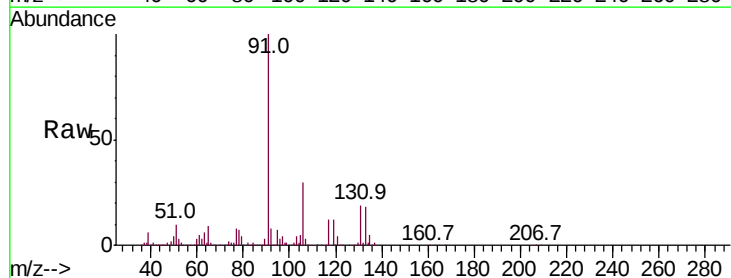
Instrument :
MSVOA_W
ClientSampled :

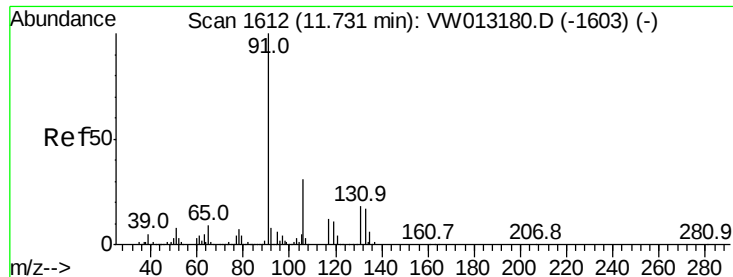
Tot Ion:112 Resp: 463360
Ion Ratio Lower Upper
112 100
114 30.9 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.136 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion:131 Resp: 160820
Ion Ratio Lower Upper
131 100
133 95.7 47.5 142.6
119 64.5 32.5 97.5





#67

Ethyl Benzene

Concen: 48.381 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

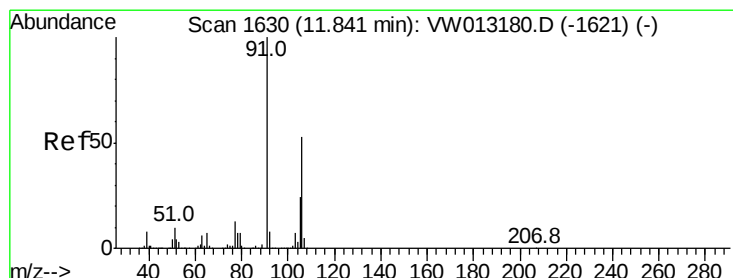
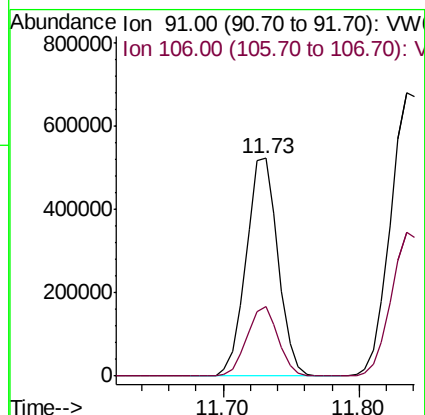
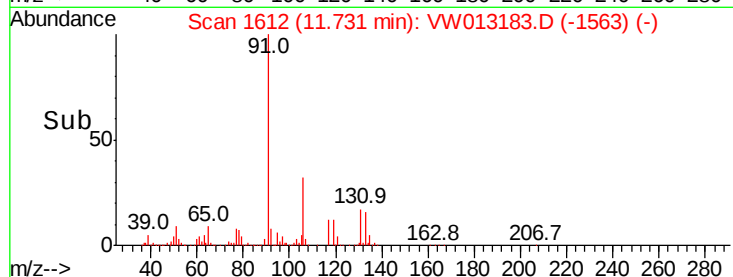
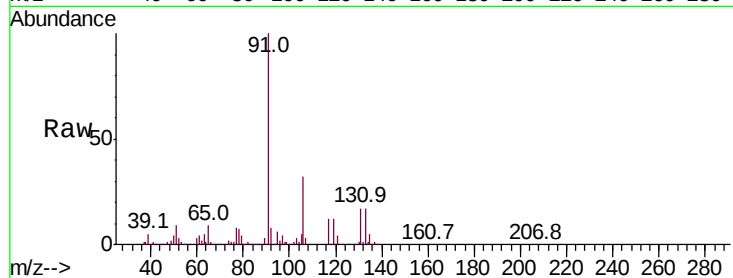
ClientSampleId :

Tot Ion: 91 Resp: 857266

Ion Ratio Lower Upper

91 100

106 32.0 24.9 37.3



#68

m/p-Xylenes

Concen: 96.706 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013183.D

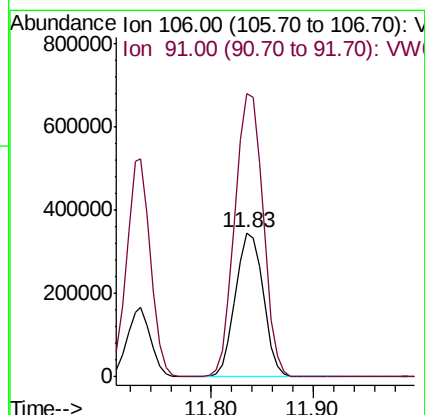
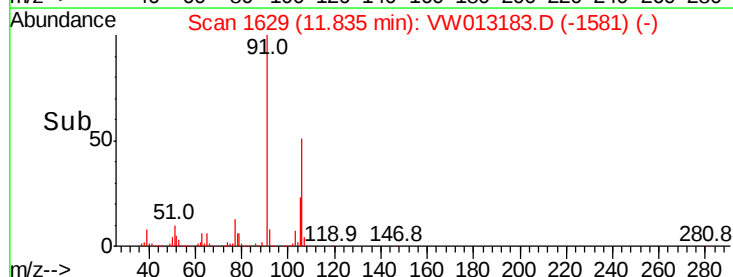
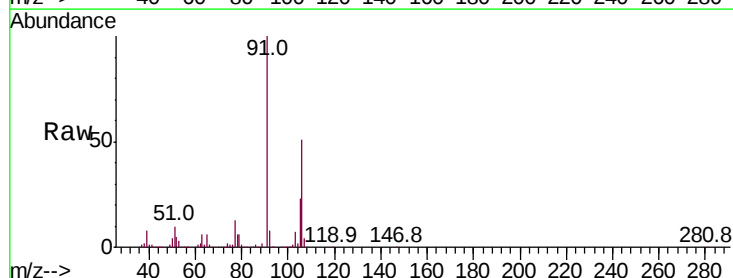
Acq: 20 Sep 2019 15:34

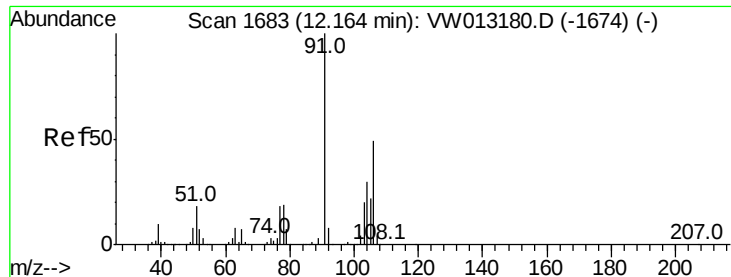
Tgt Ion: 106 Resp: 652964

Ion Ratio Lower Upper

106 100

91 199.4 157.9 236.9

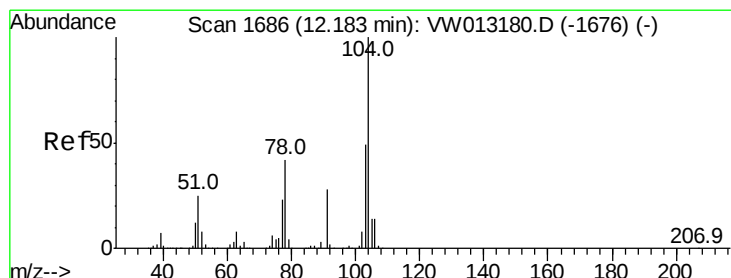
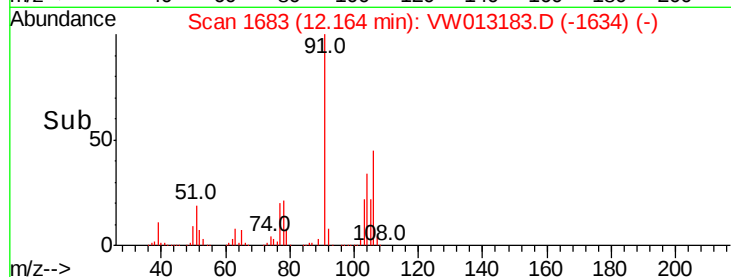
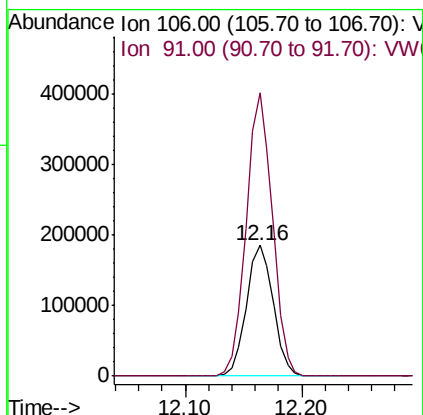
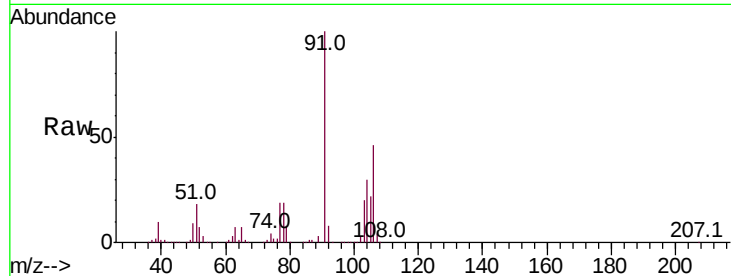




#69
o-Xylene
Concen: 47.673 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

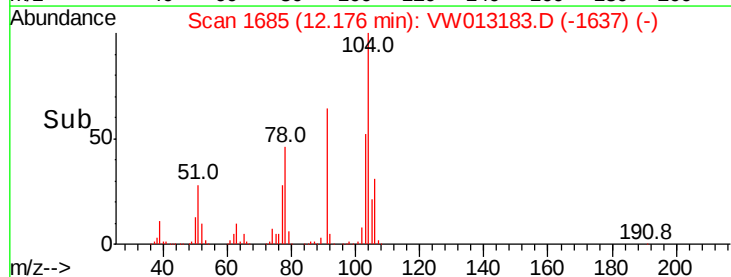
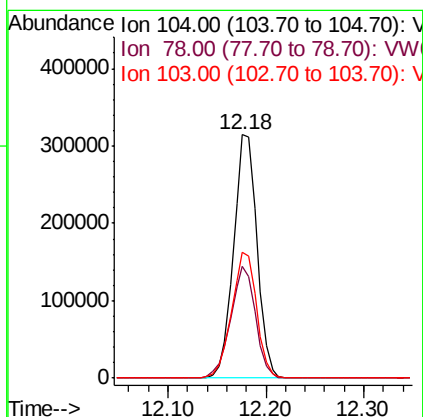
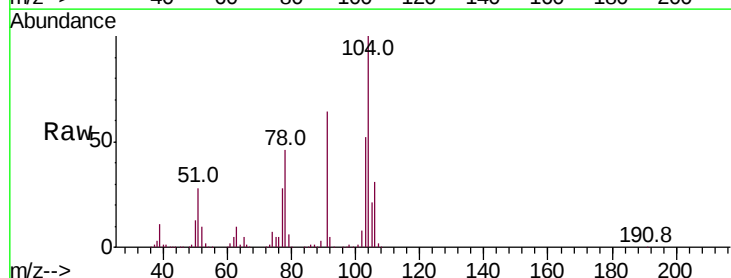
Instrument :
MSVOA_W
ClientSampled :

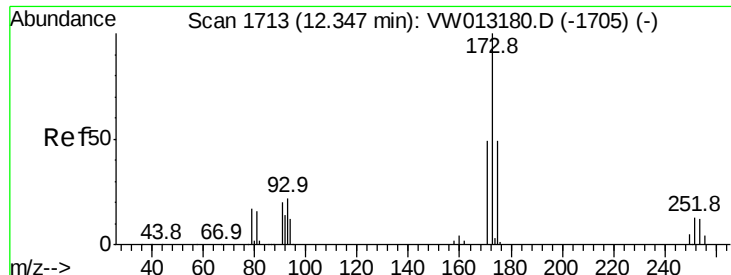
Tot Ion:106 Resp: 299268
Ion Ratio Lower Upper
106 100
91 211.4 106.5 319.5



#70
Styrene
Concen: 48.482 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion:104 Resp: 522507
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 54.9 43.3 64.9

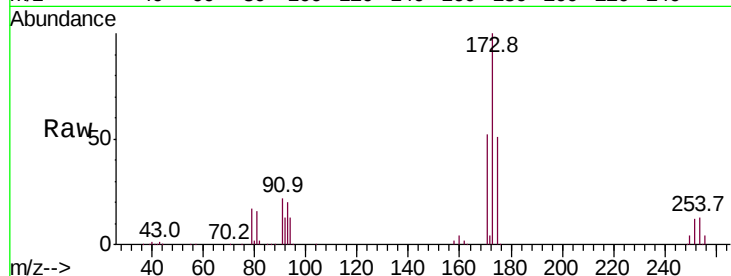




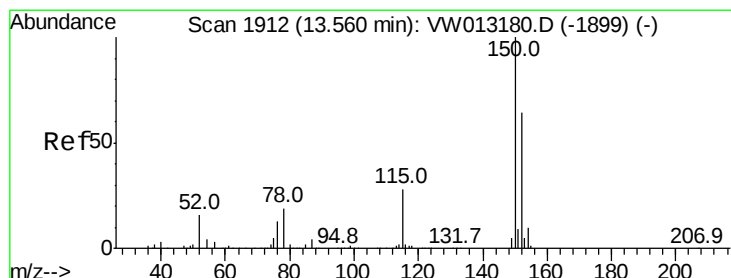
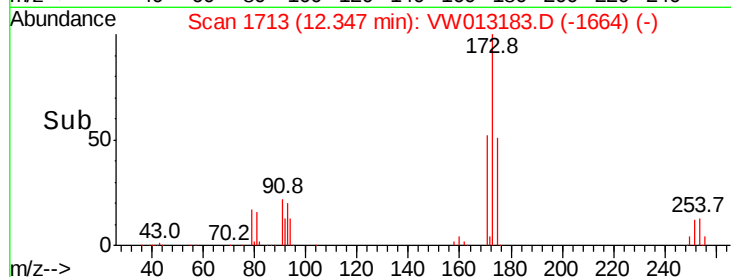
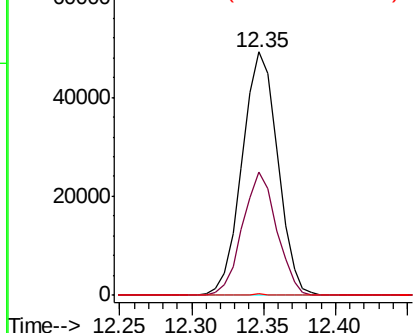
#71
Bromoform
Concen: 47.742 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	73.0
254	0.1	0.1	0.1

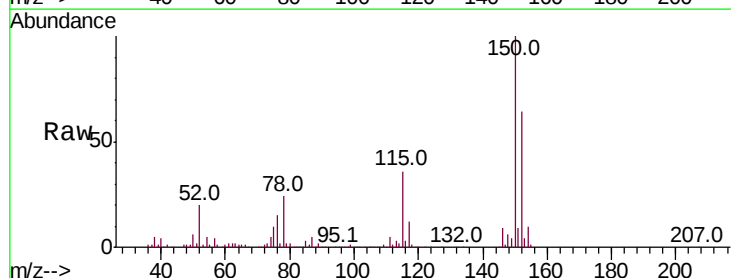


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

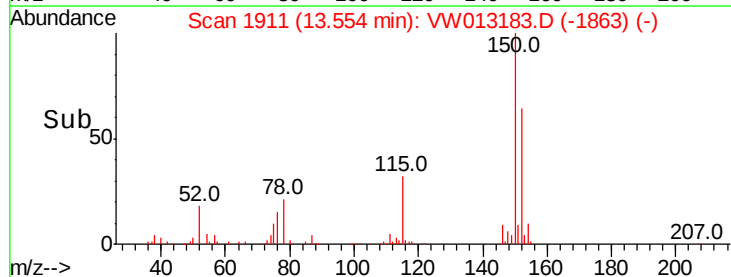
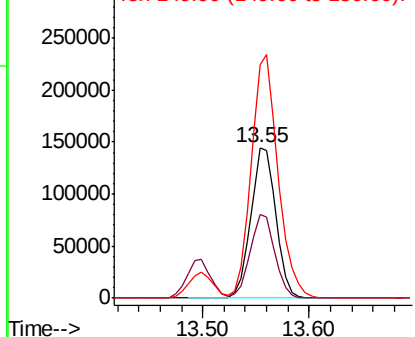


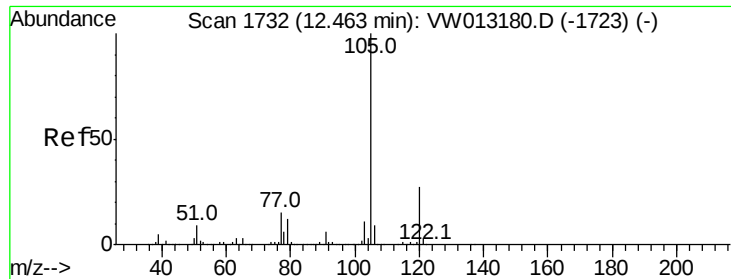
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	173.4	0.0	349.0



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





#73

Isopropylbenzene

Concen: 48.410 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

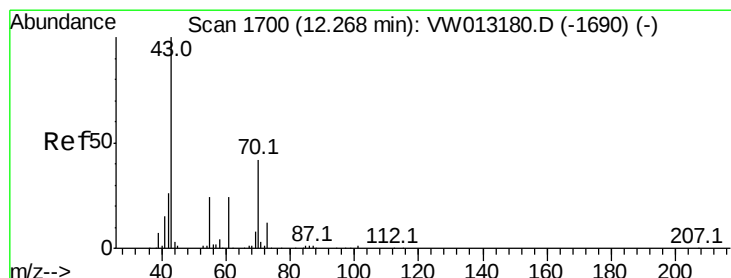
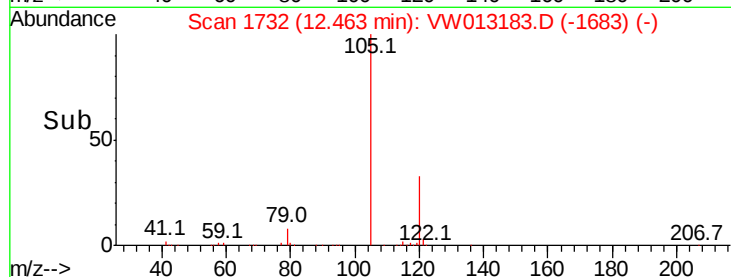
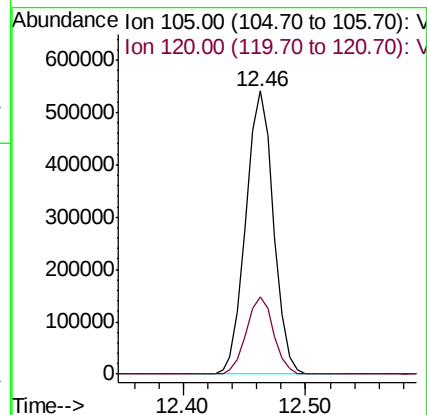
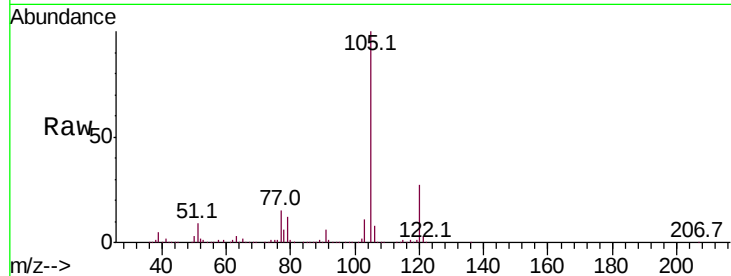
ClientSampled :

Tot Ion:105 Resp: 849123

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



#74

N-ethyl acetate

Concen: 47.605 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion: 43 Resp: 185285

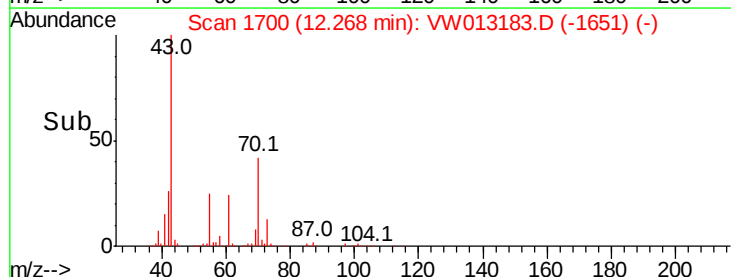
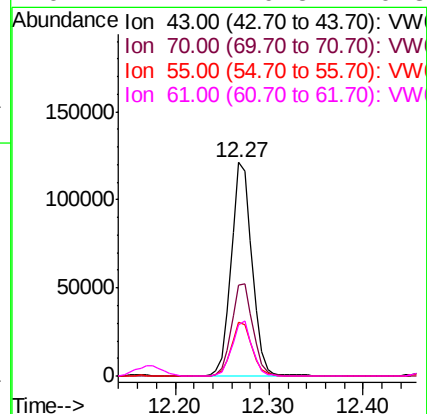
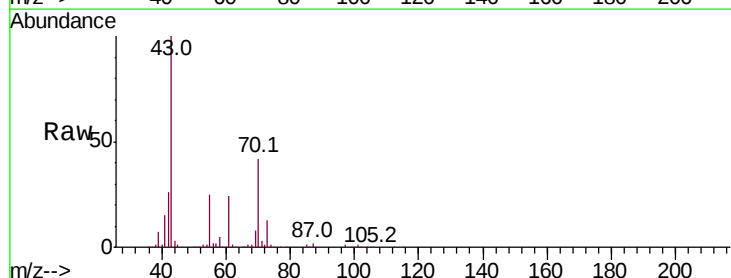
Ion Ratio Lower Upper

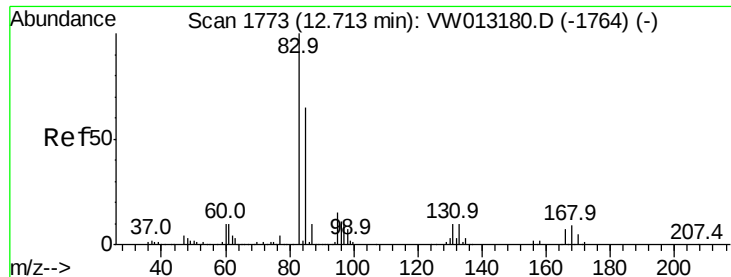
43 100

70 43.9 35.1 52.7

55 25.0 19.9 29.9

61 24.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.568 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

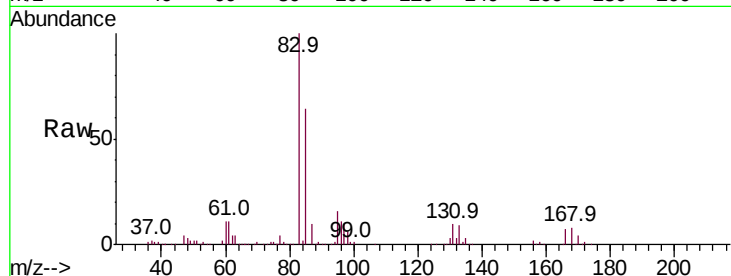
Tot Ion: 83 Resp: 133670

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.7	31.9	95.9

83 100

131 11.0 5.4 16.2

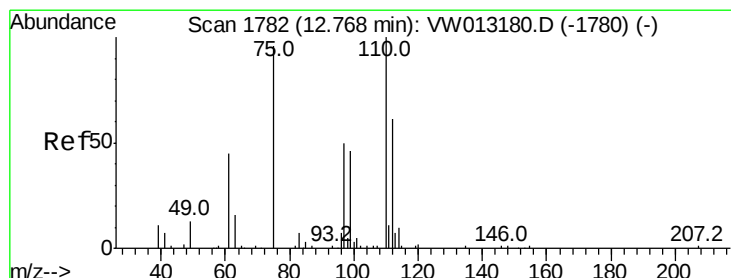
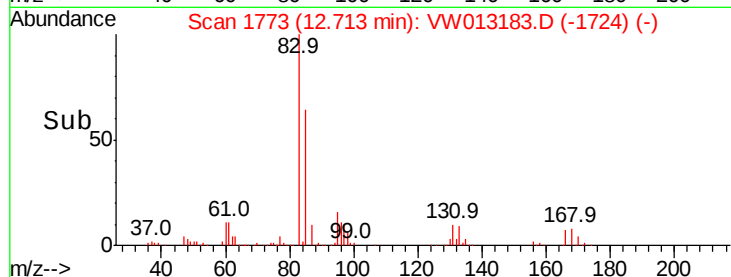
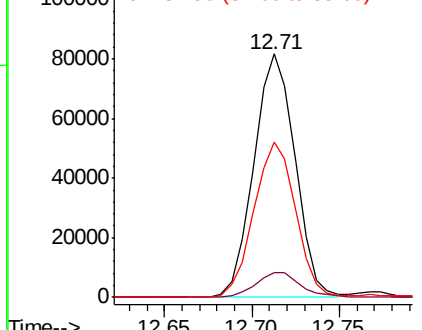
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 84.330 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013183.D

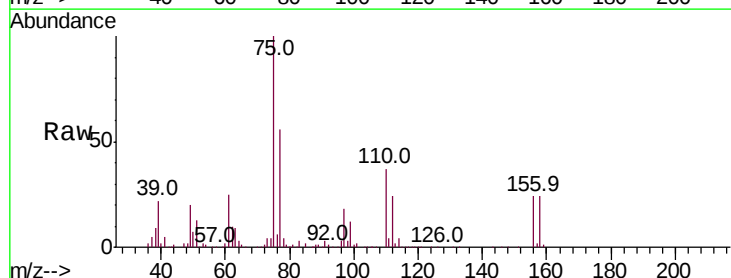
Acq: 20 Sep 2019 15:34

Tgt Ion: 75 Resp: 176834

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

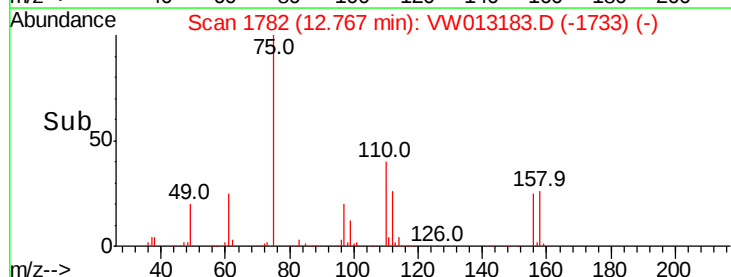
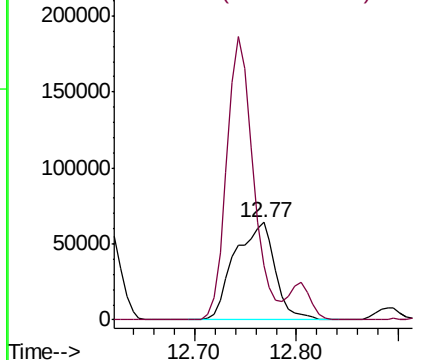
75 100

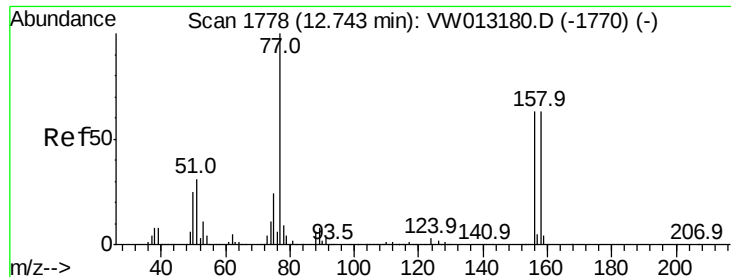
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.325 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampled :

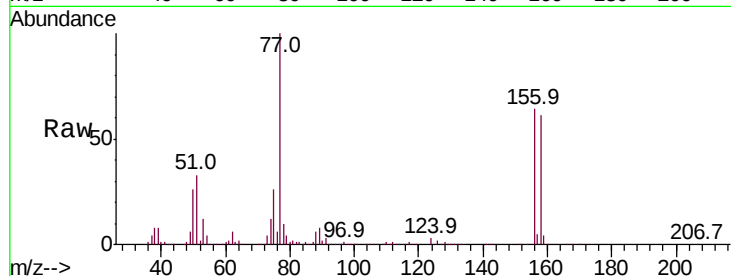
Tot Ion:156 Resp: 196705

Ion Ratio Lower Upper

156 100

77 172.3 85.7 257.1

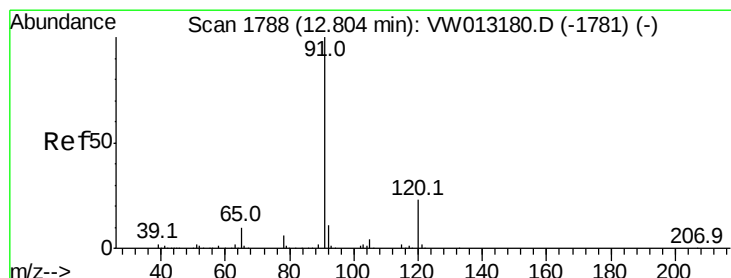
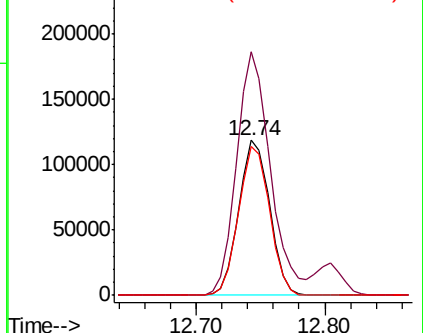
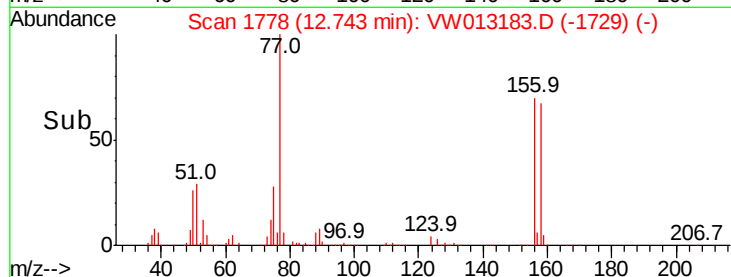
158 96.3 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.570 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013183.D

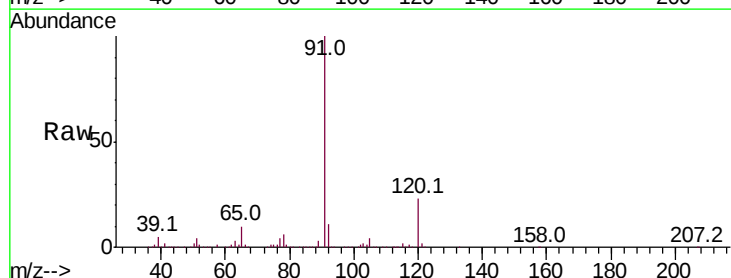
Acq: 20 Sep 2019 15:34

Tgt Ion: 91 Resp: 997196

Ion Ratio Lower Upper

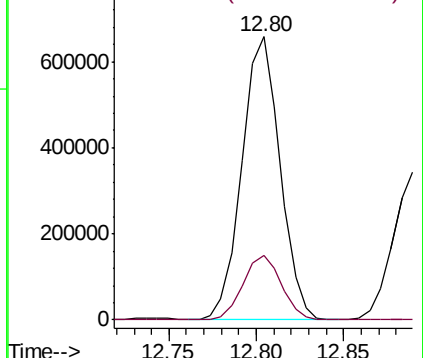
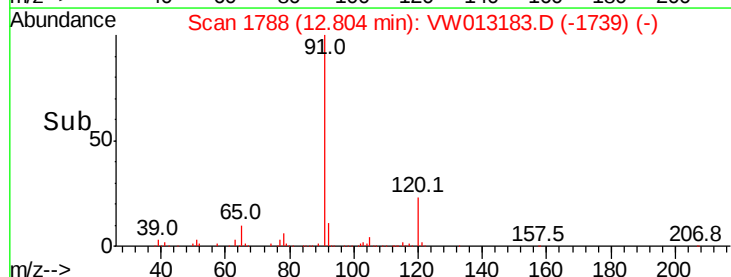
91 100

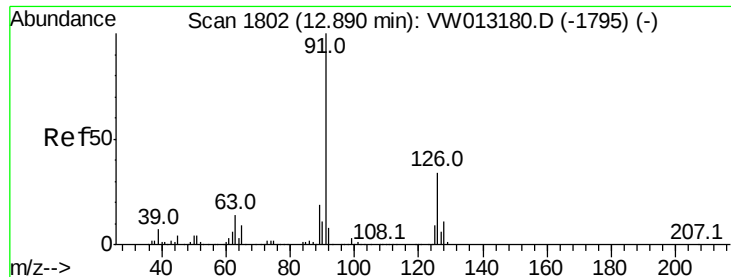
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

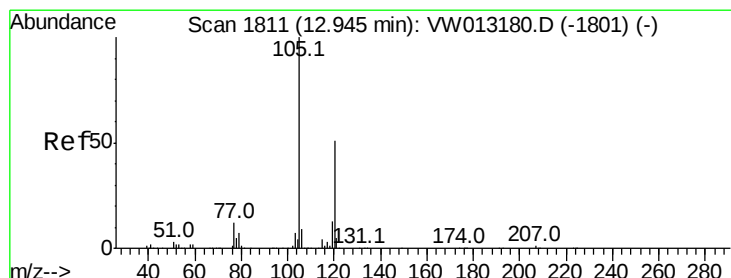
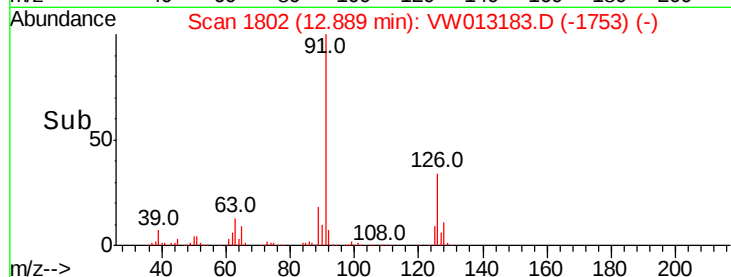
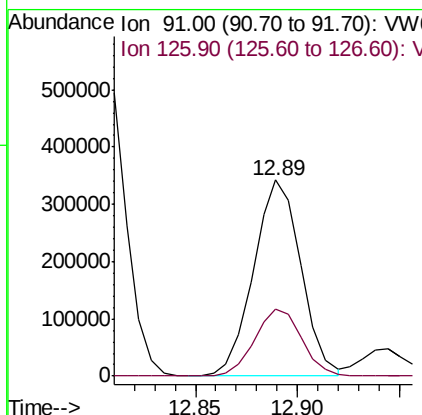
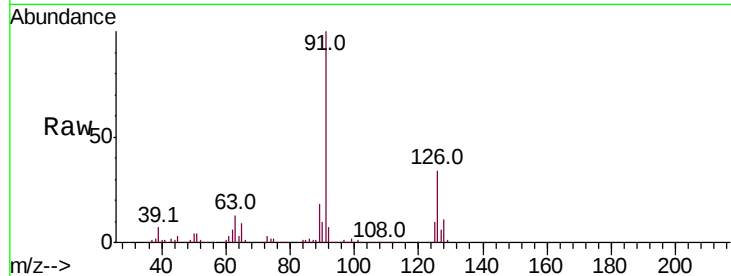




#79
 2-Chlorotoluene
 Concen: 48.103 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

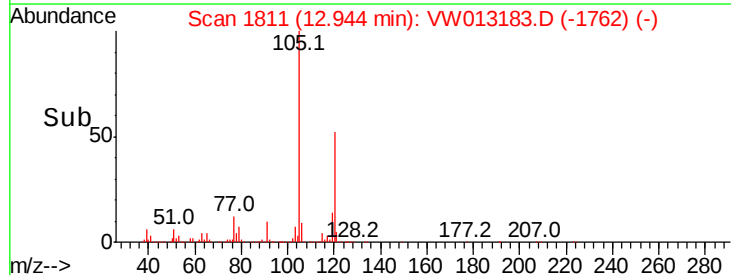
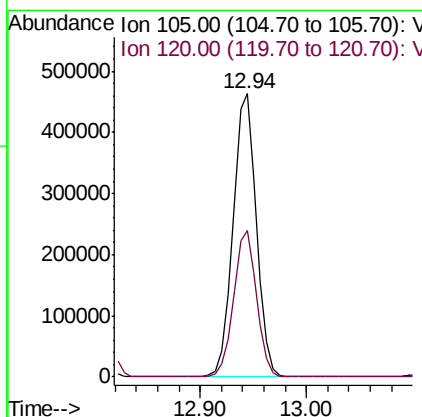
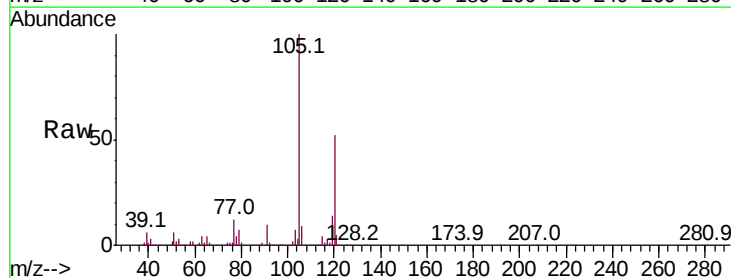
Instrument :
 MSVOA_W
 ClientSampled :

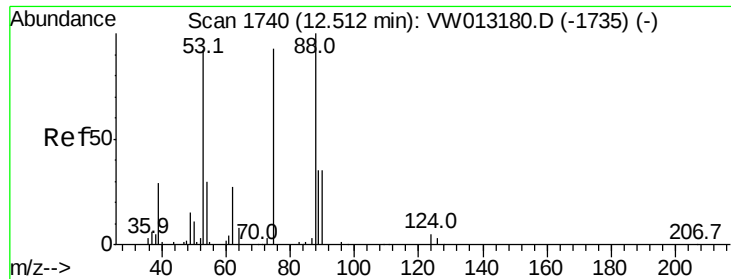
Tot Ion: 91 Resp: 553298
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 48.054 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion:105 Resp: 708518
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.9 74.8

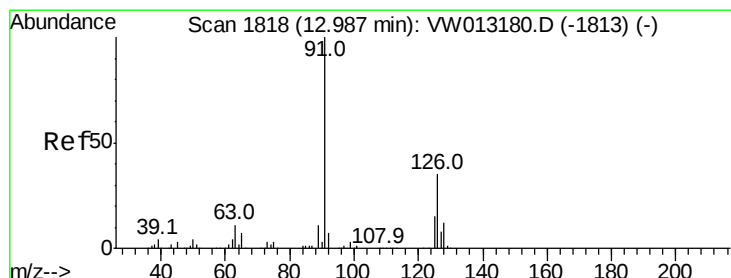
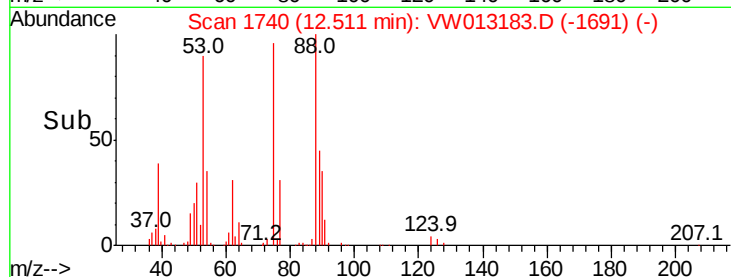
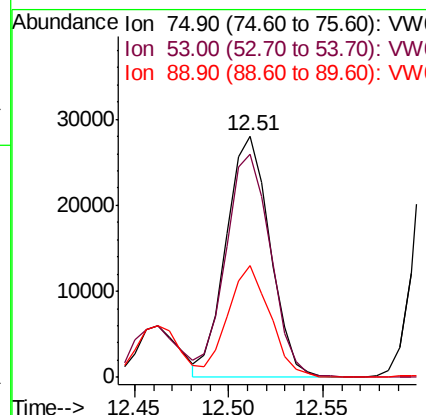
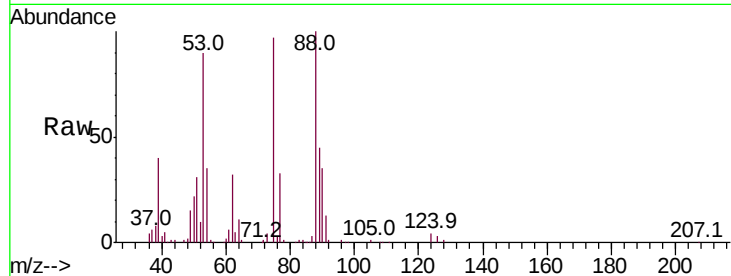




#81
trans-1,4-Dichloro-2-butene
Concen: 48.200 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

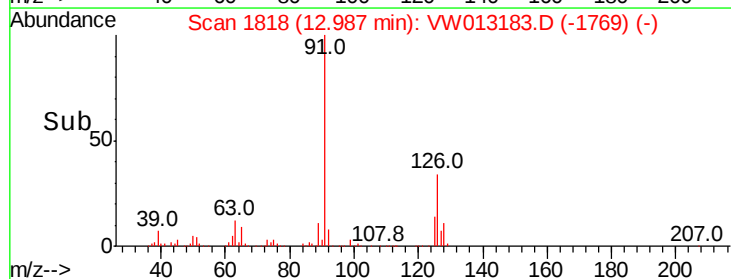
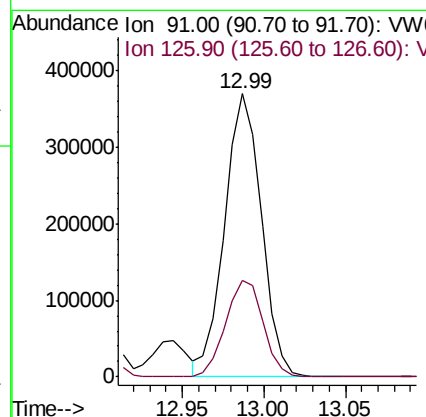
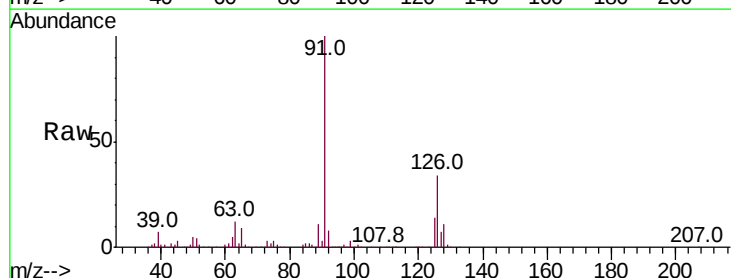
Instrument :
MSVOA_W
ClientSampleId :

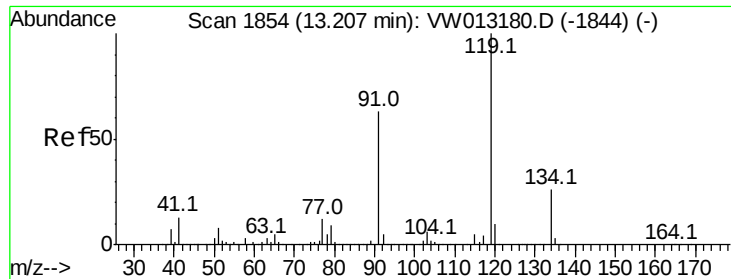
Tot Ion: 75 Resp: 45043
Ion Ratio Lower Upper
75 100
53 95.4 76.6 114.8
89 44.4 33.5 50.3



#82
4-Chlorotoluene
Concen: 47.770 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion: 91 Resp: 579435
Ion Ratio Lower Upper
91 100
126 35.0 17.3 51.7

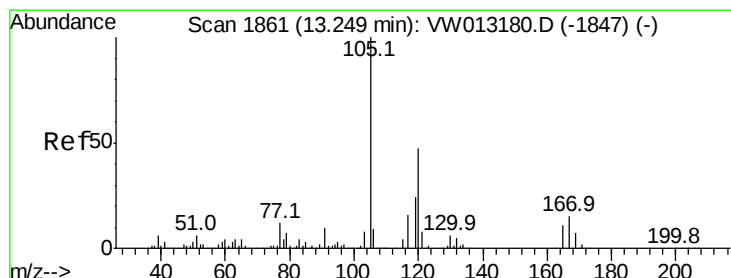
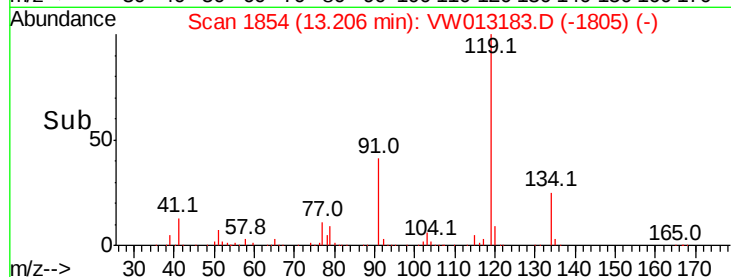
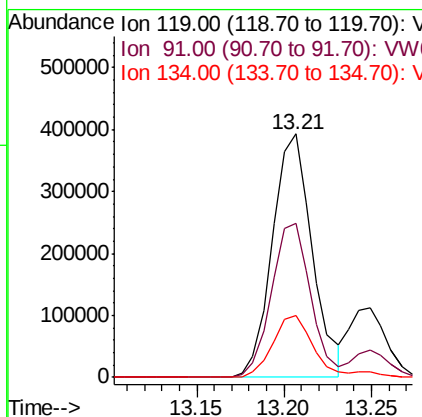
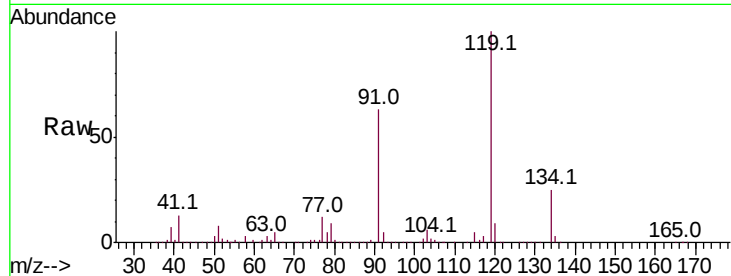




#83
tert-Butylbenzene
Concen: 48.357 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

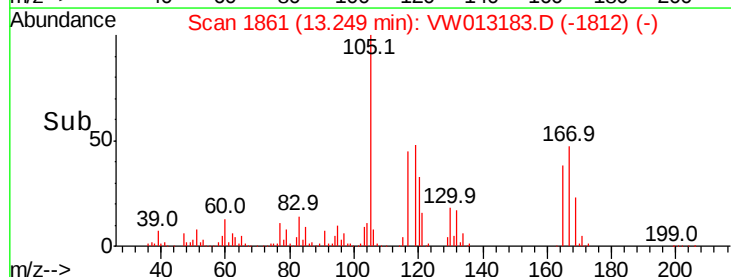
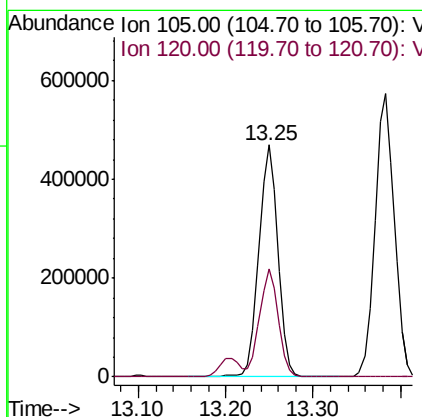
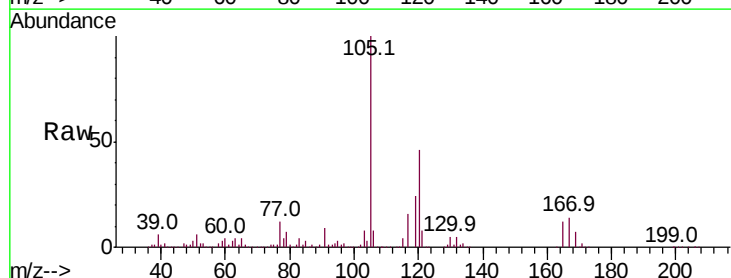
Instrument :
MSVOA_W
ClientSampleId :

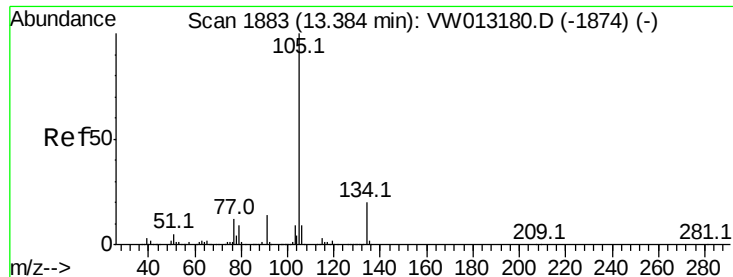
Tot Ion:119 Resp: 625794
Ion Ratio Lower Upper
119 100
91 62.2 30.7 92.1
134 25.3 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 48.502 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion:105 Resp: 711612
Ion Ratio Lower Upper
105 100
120 45.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 48.986 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

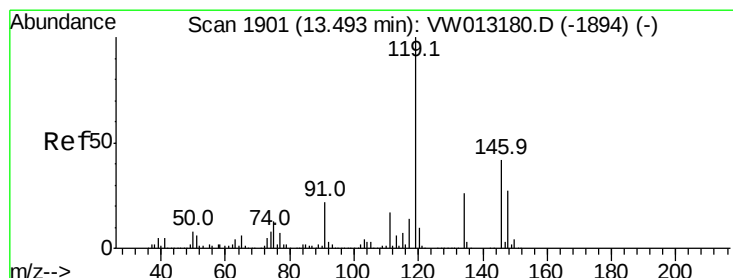
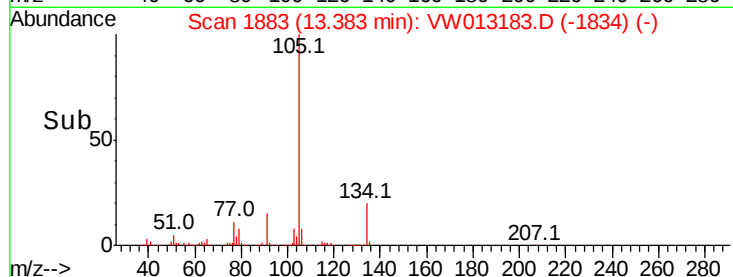
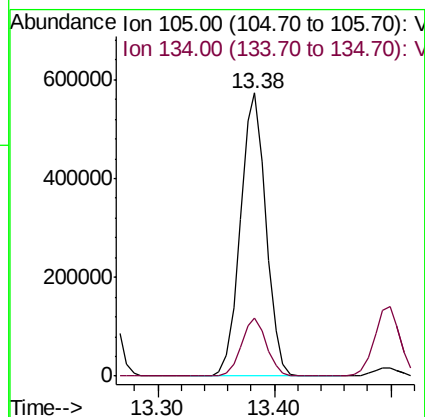
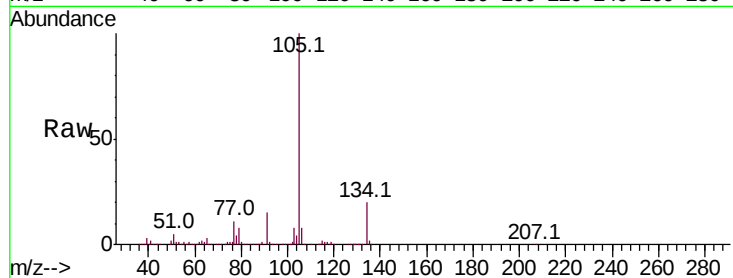
ClientSampled :

Tot Ion:105 Resp: 874002

Ion Ratio Lower Upper

105 100

134 20.3 10.3 30.8



#86

p-Isopropyltoluene

Concen: 49.187 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

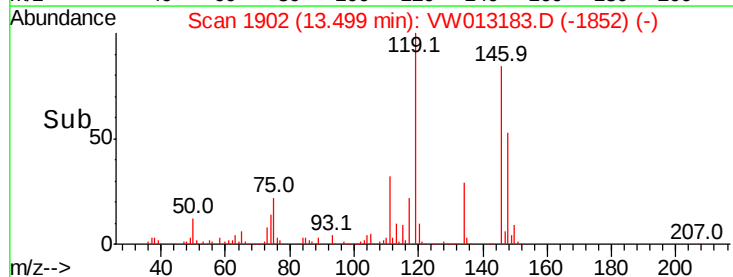
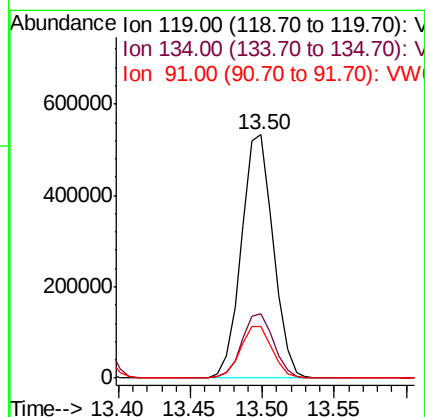
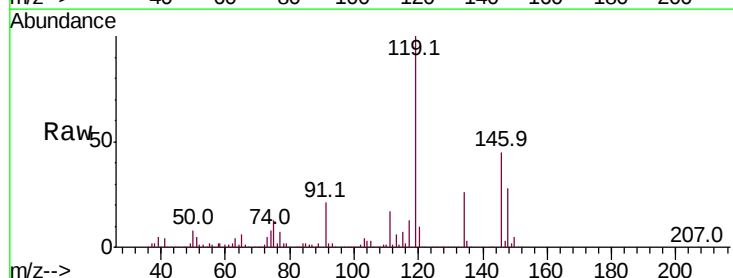
Tgt Ion:119 Resp: 813968

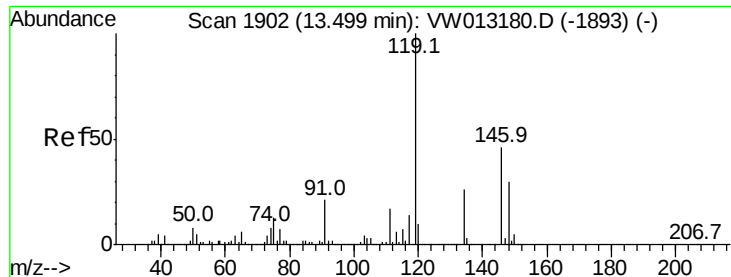
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.5 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 47.208 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

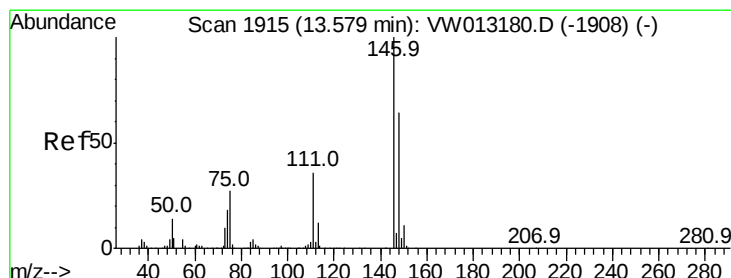
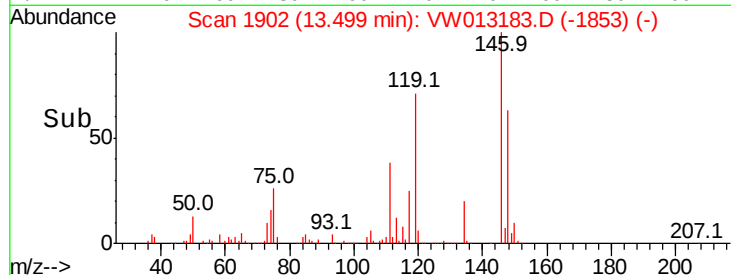
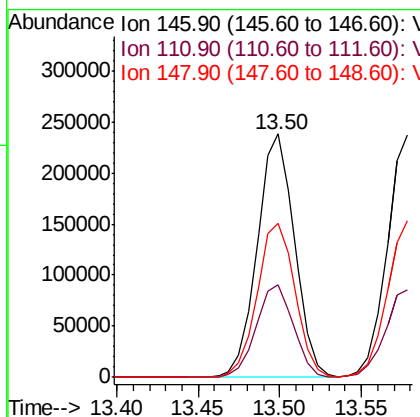
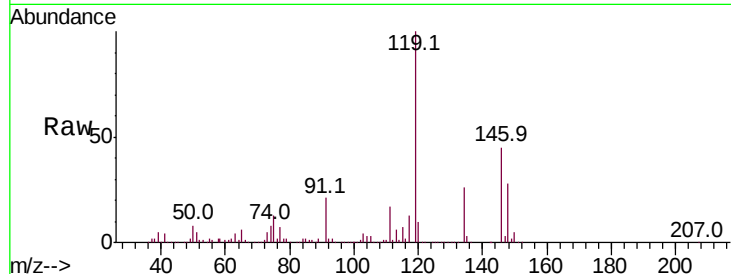
Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 377640

Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.5	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 48.073 ug/l

RT: 13.58 min Scan# 1915

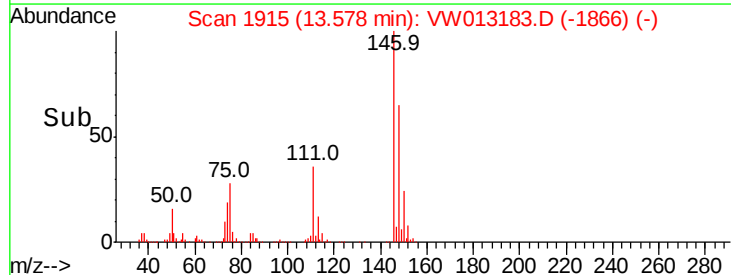
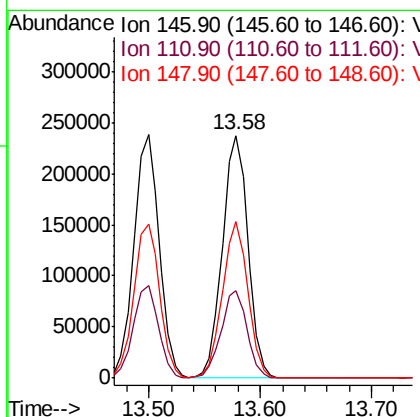
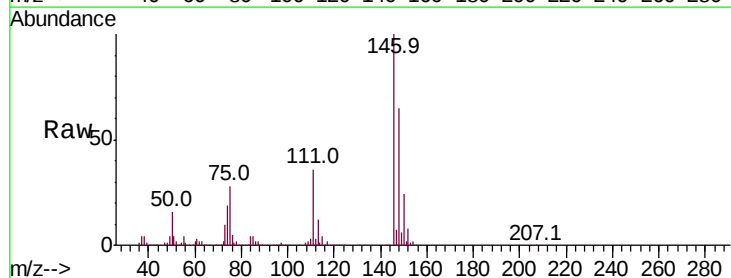
Delta R.T. -0.00 min

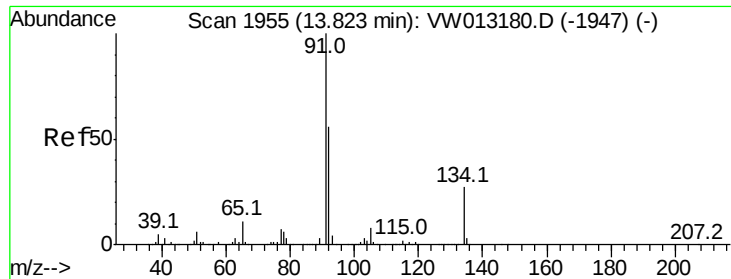
Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion:146 Resp: 377155

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.0
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 49.939 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

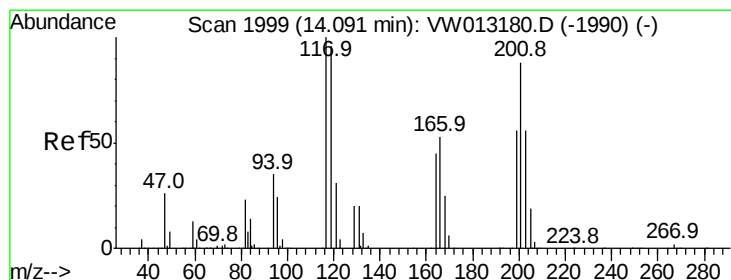
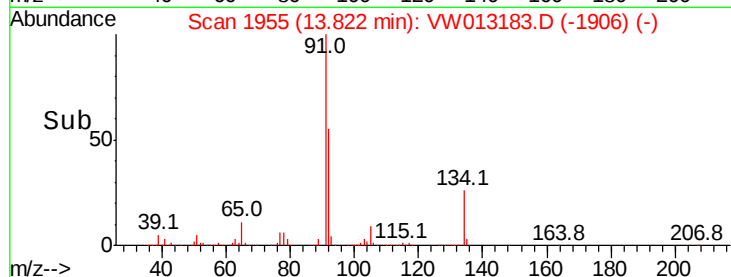
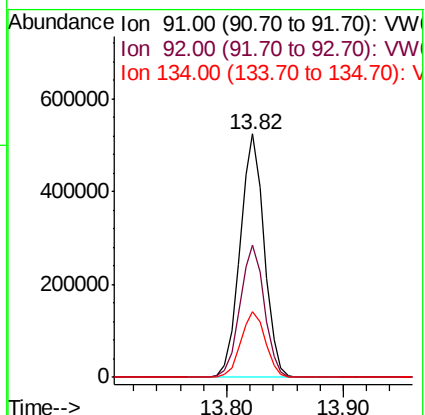
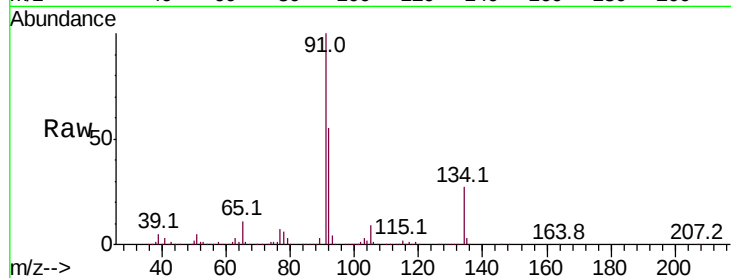
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 91 Resp: 754599

Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.6	82.8
134	27.5	13.7	41.1



#90

Hexachloroethane

Concen: 49.651 ug/l

RT: 14.09 min Scan# 1999

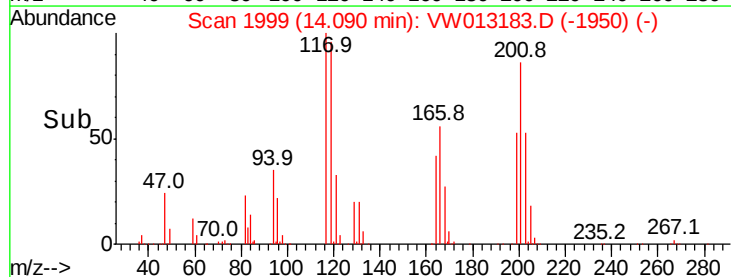
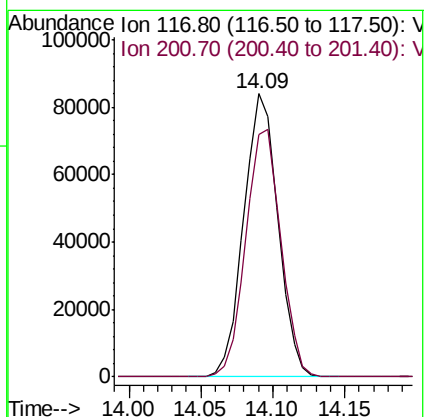
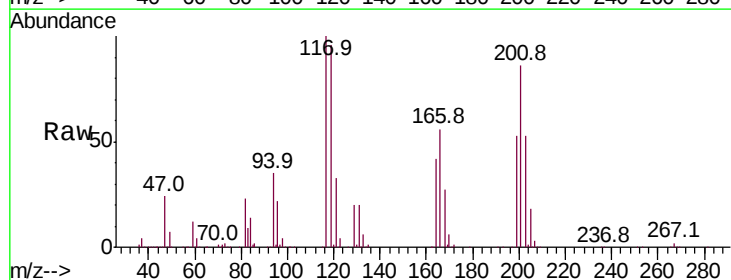
Delta R.T. -0.00 min

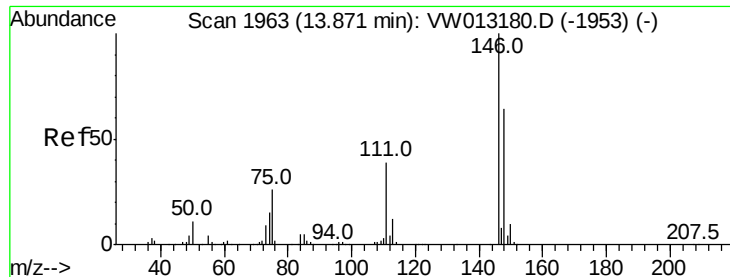
Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Tgt Ion: 117 Resp: 138029

Ion	Ratio	Lower	Upper
117	100		
201	89.4	44.5	133.5





#91

1,2-Dichlorobenzene

Concen: 47.826 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

Instrument :

MSVOA_W

ClientSampleId :

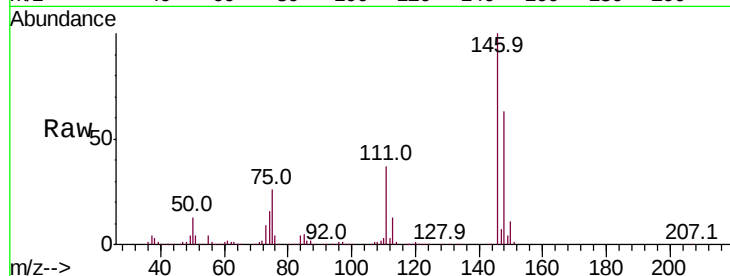
Tot Ion:146 Resp: 330985

Ion Ratio Lower Upper

146 100

111 39.4 20.1 60.3

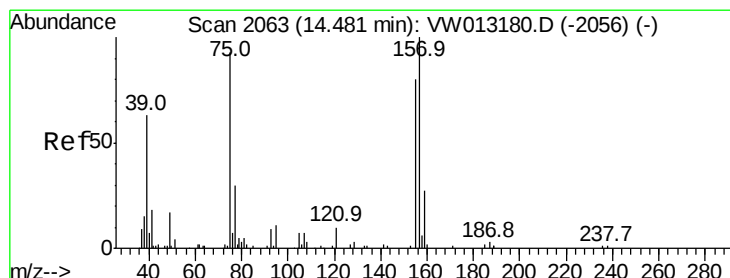
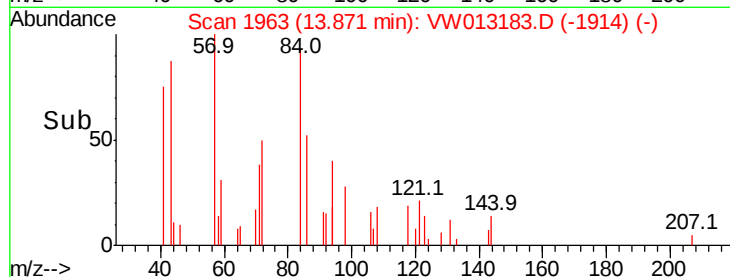
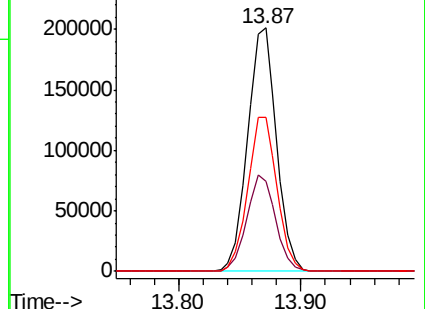
148 63.9 32.0 96.0



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: 47.102 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013183.D

Acq: 20 Sep 2019 15:34

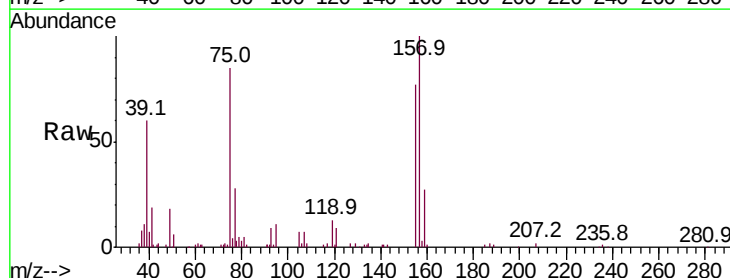
Tgt Ion: 75 Resp: 21134

Ion Ratio Lower Upper

75 100

155 93.0 46.1 138.3

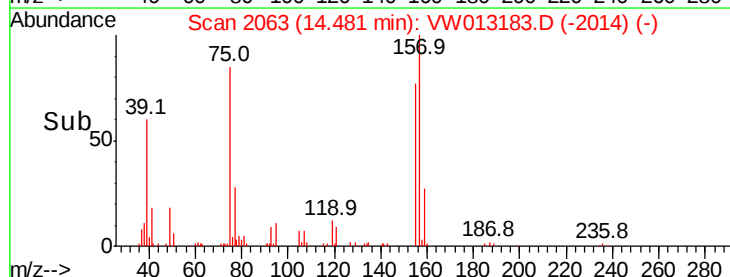
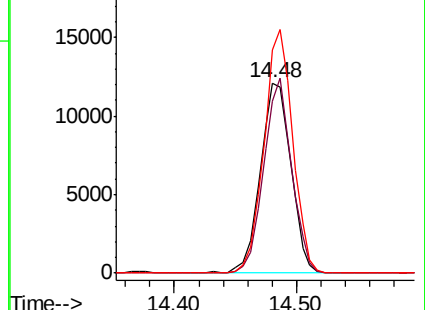
157 119.5 60.4 181.2

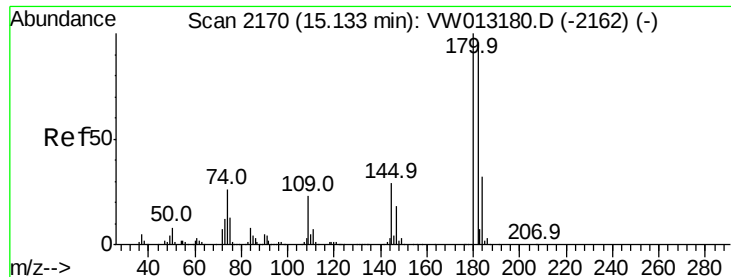


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

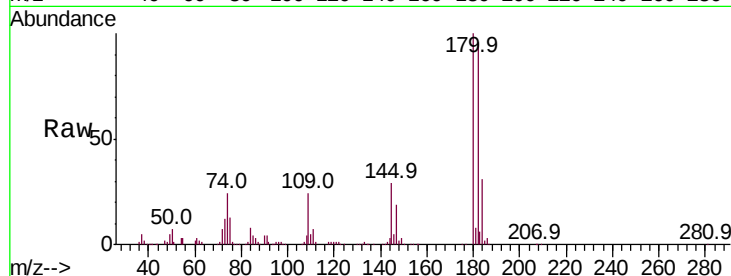




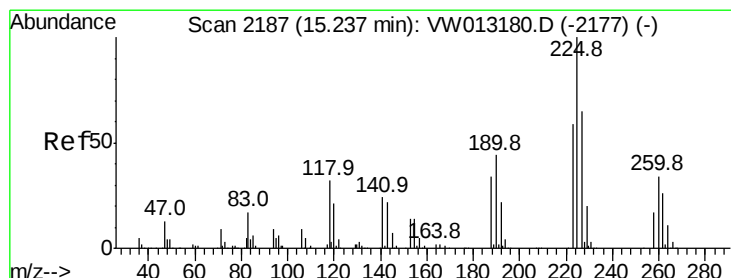
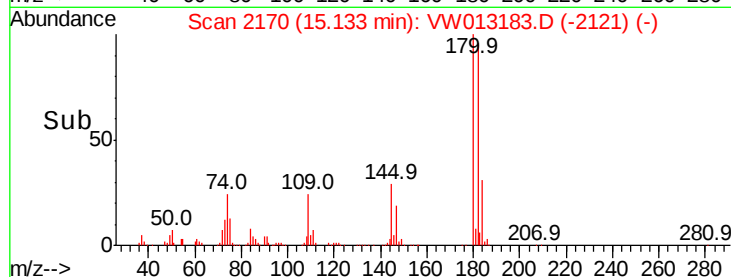
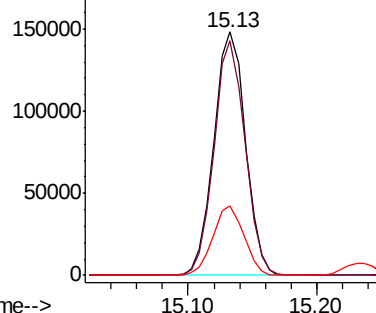
#93
 1,2,4-Trichlorobenzene
 Concen: 50.468 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	28.4	14.2	42.8

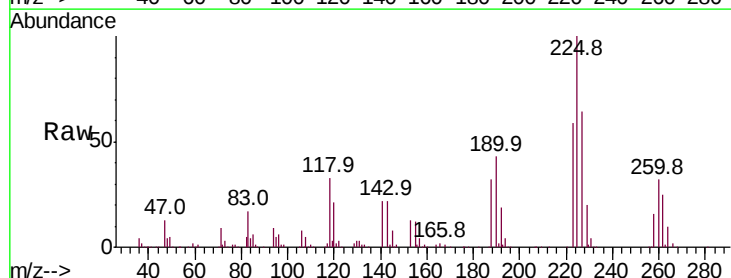


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

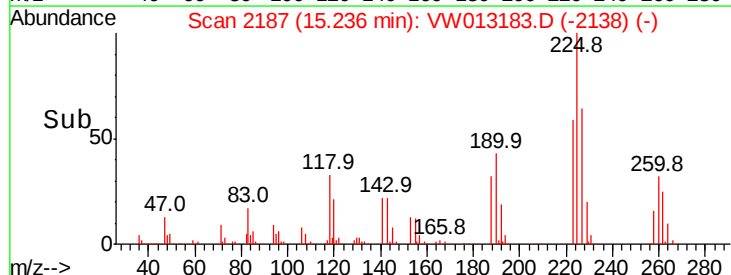
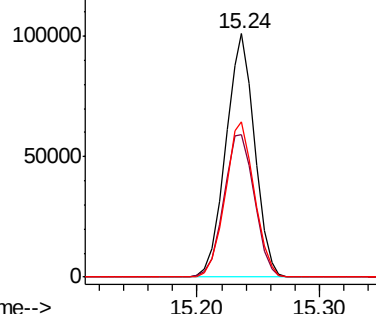


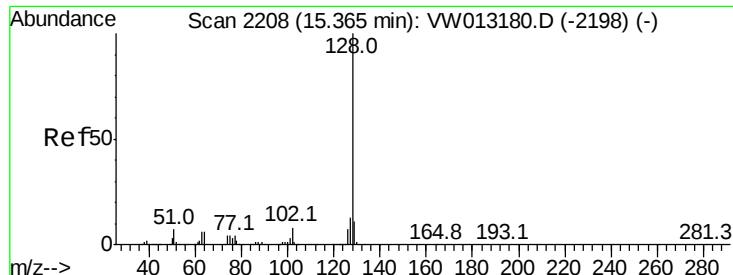
#94
 Hexachlorobutadiene
 Concen: 48.664 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013183.D
 Acq: 20 Sep 2019 15:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.6	91.8
227	64.5	31.9	95.9



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

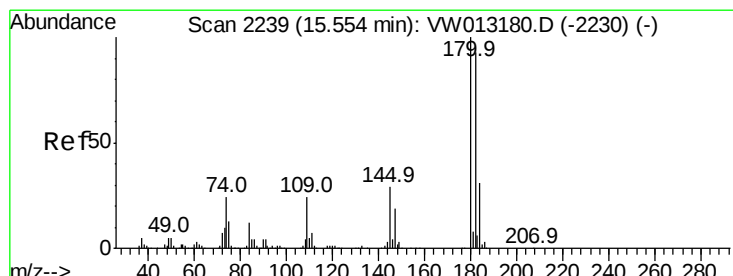
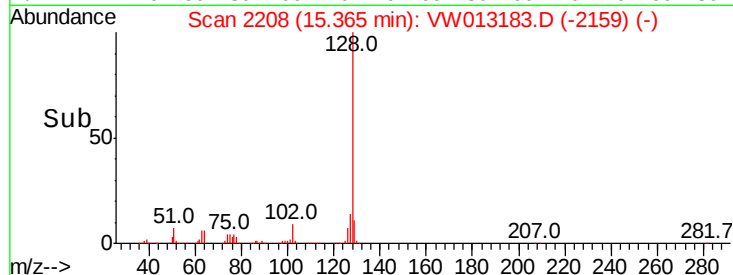
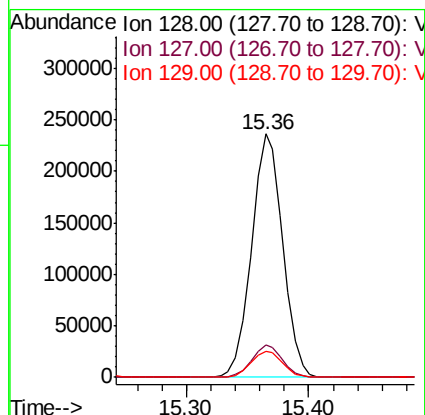
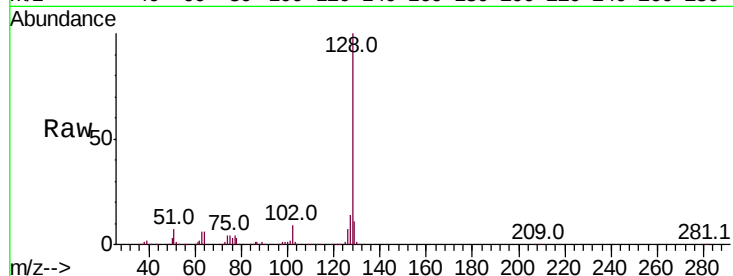




#95
Naphthalene
Concen: 51.405 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 416934
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.158 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013183.D
Acq: 20 Sep 2019 15:34

Tgt Ion:180 Resp: 214927
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 30.6 15.0 45.0

