

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013181.D
 Acq On : 20 Sep 2019 14:27
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 20 14:56:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	457092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	291216	89.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.32%	
35) Dibromofluoromethane	7.88	113	287802	101.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.66%	
50) Toluene-d8	10.32	98	1205184	108.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.28%	
62) 4-Bromofluorobenzene	12.62	95	413902	103.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	211292	128.595	ug/l	96
3) Chloromethane	2.21	50	245330	117.163	ug/l	99
4) Vinyl Chloride	2.36	62	336864	123.088	ug/l	98
5) Bromomethane	2.77	94	210918	124.220	ug/l	93
6) Chloroethane	2.92	64	200781	120.246	ug/l	98
7) Trichlorofluoromethane	3.25	101	211076	114.957	ug/l	97
8) Diethyl Ether	3.68	74	170342	116.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	320062	112.794	ug/l	99
10) Methyl Iodide	4.27	142	505510	136.251	ug/l	100
11) Tert butyl alcohol	5.18	59	51254	201.616	ug/l #	73
12) 1,1-Dichloroethene	4.04	96	336539	127.236	ug/l	99
13) Acrolein	3.89	56	90672	393.783	ug/l	100
14) Allyl chloride	4.67	41	543065	111.968	ug/l	100
15) Acrylonitrile	5.37	53	374872	518.884	ug/l	99
16) Acetone	4.12	43	335757	436.513	ug/l	97
17) Carbon Disulfide	4.38	76	1005829	172.722	ug/l	99
18) Methyl Acetate	4.67	43	183747	96.733	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	515614	103.943	ug/l	100
20) Methylene Chloride	4.92	84	342154	105.000	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	364361	128.223	ug/l	97
22) Diisopropyl ether	6.31	45	1032354	104.060	ug/l	99
23) Vinyl Acetate	6.25	43	3167936	537.024	ug/l	99
24) 1,1-Dichloroethane	6.21	63	611798	105.871	ug/l	99
25) 2-Butanone	7.17	43	494375	473.589	ug/l	97
26) 2,2-Dichloropropane	7.16	77	366908	90.961	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	387221	116.432	ug/l	99
28) Bromochloromethane	7.51	49	250393	103.435	ug/l #	98
29) Tetrahydrofuran	7.53	42	318534	528.415	ug/l	99
30) Chloroform	7.67	83	590142	101.695	ug/l	98
31) Cyclohexane	7.95	56	614803	119.809	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	483814	101.075	ug/l	100
36) 1,1-Dichloropropene	8.08	75	503795	116.887	ug/l	98
37) Ethyl Acetate	7.25	43	220718	100.656	ug/l	99
38) Carbon Tetrachloride	8.07	117	461746	106.880	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	660742	134.480	ug/l	99
40) Benzene	8.32	78	1416864	117.750	ug/l	99
41) Methacrylonitrile	7.48	41	135270	94.673	ug/l	99
42) 1,2-Dichloroethane	8.40	62	379740	97.899	ug/l	100
43) Isopropyl Acetate	8.42	43	429522	102.340	ug/l	99
44) Trichloroethene	9.09	130	394547	118.902	ug/l	98
45) 1,2-Dichloropropane	9.37	63	347299	110.653	ug/l	98
46) Dibromomethane	9.46	93	170461	113.087	ug/l	99
47) Bromodichloromethane	9.64	83	441235	106.167	ug/l	97
48) Methyl methacrylate	9.43	41	220070	111.479	ug/l	94
49) 1,4-Dioxane	9.46	88	51070	2114.995	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1083790	502.276	ug/l	100
52) Toluene	10.38	92	914038	119.427	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	472467	112.425	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	564732	116.389	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	254463	111.189	ug/l	98
56) Ethyl methacrylate	10.65	69	357002	116.582	ug/l	99
57) 1,3-Dichloropropane	10.93	76	441021	108.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	803707	496.115	ug/l	100
59) 2-Hexanone	10.97	43	760254	508.676	ug/l	100
60) Dibromochloromethane	11.13	129	301790	110.407	ug/l	100
61) 1,2-Dibromoethane	11.24	107	243454	116.245	ug/l	99
64) Tetrachloroethene	10.86	164	343861	121.052	ug/l	96
65) Chlorobenzene	11.66	112	952747	114.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	338387	107.917	ug/l	99
67) Ethyl Benzene	11.73	91	1745841	113.632	ug/l	99
68) m/p-Xylenes	11.84	106	1329230	234.773	ug/l	100
69) o-Xylene	12.16	106	620290	117.192	ug/l	98
70) Styrene	12.18	104	1073044	114.400	ug/l	99
71) Bromoform	12.35	173	181859	111.009	ug/l #	100
73) Isopropylbenzene	12.46	105	1713236	112.131	ug/l	100
74) N-amyl acetate	12.27	43	398444	104.020	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	282814	107.086	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	366944	185.385	ug/l #	100
77) Bromobenzene	12.74	156	401456	112.784	ug/l	98
78) n-propylbenzene	12.80	91	2002805	111.510	ug/l	100
79) 2-Chlorotoluene	12.89	91	1112397	108.108	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1435571	110.917	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	99829	114.127	ug/l	95
82) 4-Chlorotoluene	12.99	91	1166490	108.017	ug/l	100
83) tert-Butylbenzene	13.21	119	1250377	108.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1410432	110.346	ug/l	99
85) sec-Butylbenzene	13.38	105	1720034	109.222	ug/l	99
86) p-Isopropyltoluene	13.50	119	1590959	109.870	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	768489	109.954	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	755101	110.204	ug/l	99
89) n-Butylbenzene	13.82	91	1479658	108.928	ug/l	100
90) Hexachloroethane	14.09	117	280988	109.143	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	667208	108.837	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44338	93.336	ug/l	96

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Response via : Initial Calibration

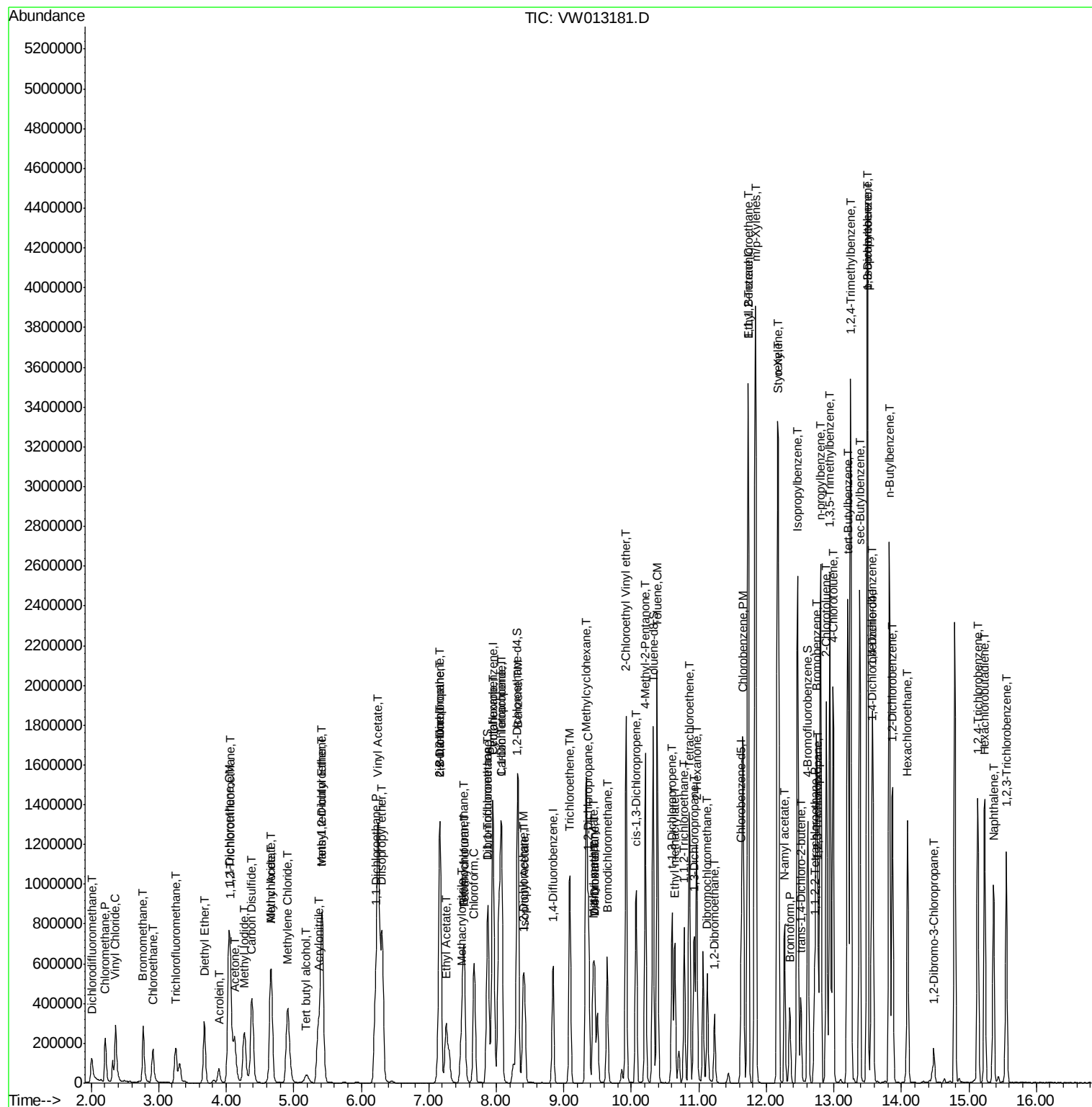
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	502586	114.728	ug/l	99
94) Hexachlorobutadiene	15.24	225	316706	102.642	ug/l	100
95) Naphthalene	15.36	128	864609	119.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	435087	112.728	ug/l	100

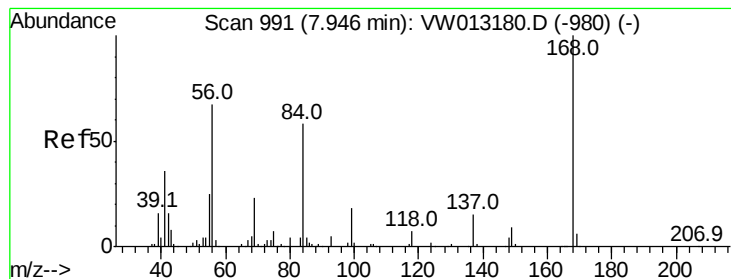
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
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 Sample : VSTDIC100
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :

Quant Time: Sep 20 14:56:38 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

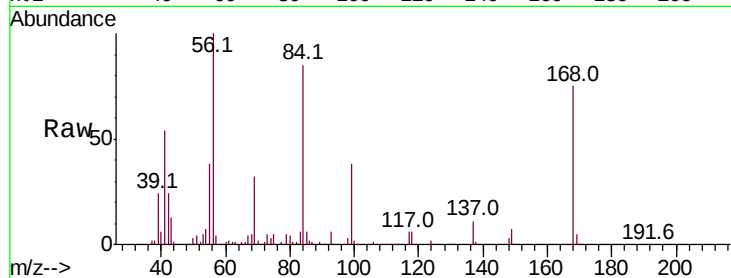
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 362991

Ion Ratio Lower Upper

168 100

99 50.0 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

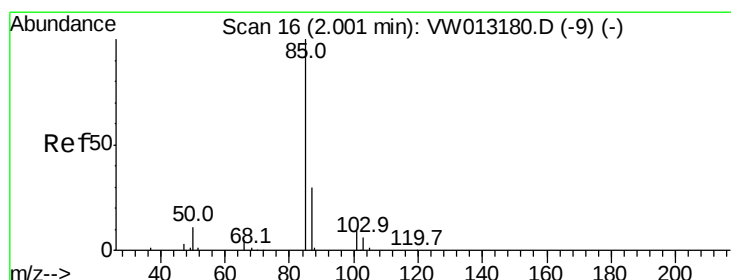
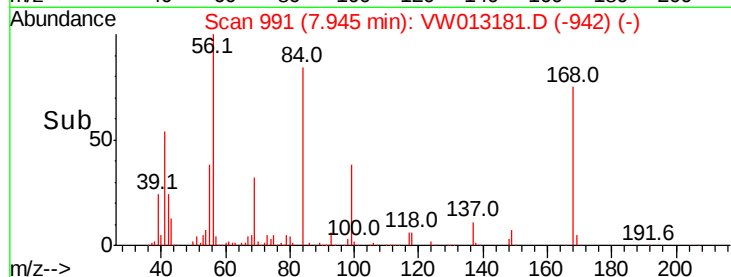
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 128.595 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013181.D

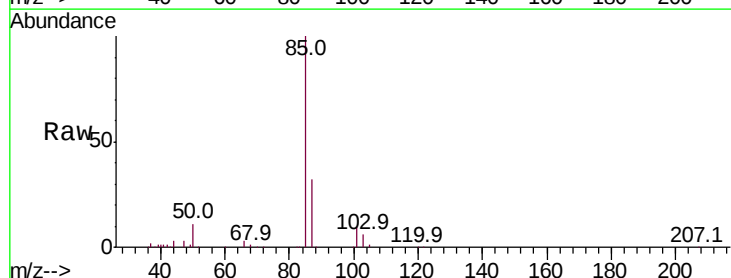
Acq: 20 Sep 2019 14:27

Tgt Ion: 85 Resp: 211292

Ion Ratio Lower Upper

85 100

87 32.4 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

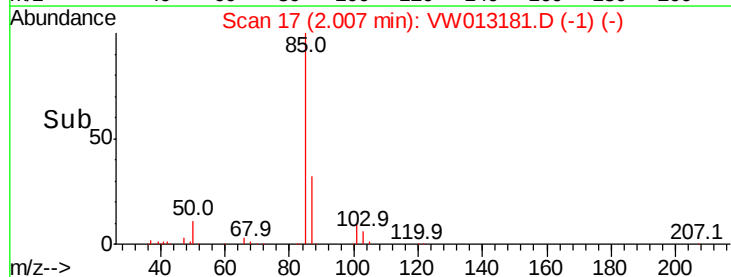
60000

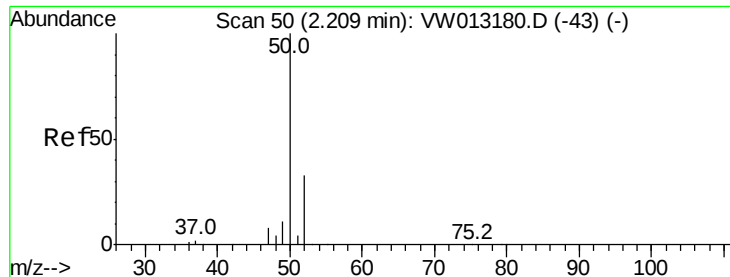
40000

20000

0

Time--> 1.80 2.00 2.20





#3

Chloromethane

Concen: 117.163 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

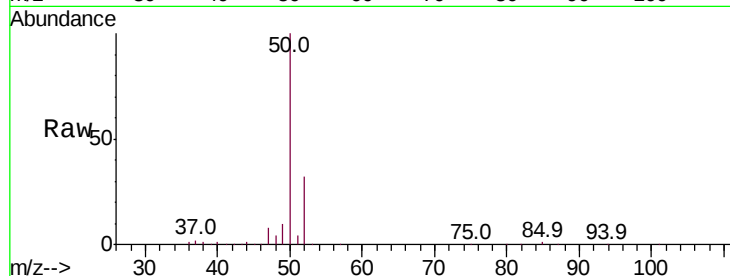
ClientSampled :

Tot Ion: 50 Resp: 245330

Ion Ratio Lower Upper

50 100

52 32.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

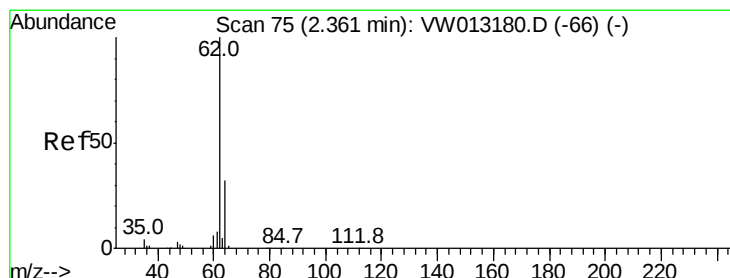
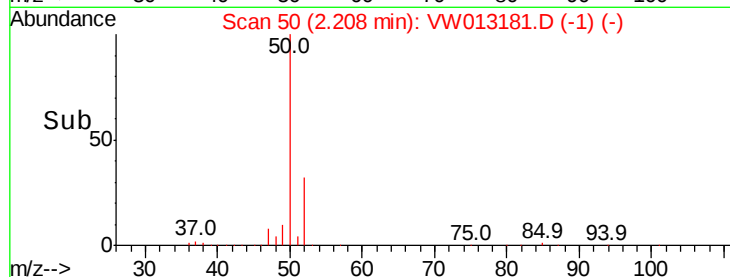
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 123.088 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013181.D

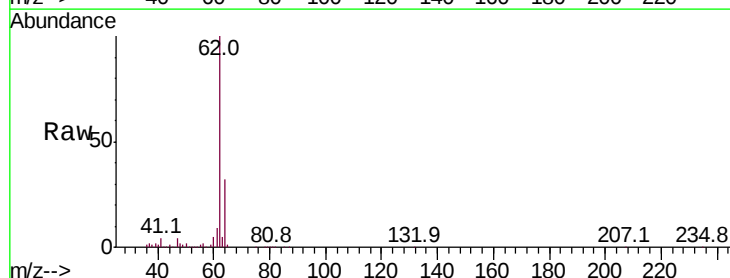
Acq: 20 Sep 2019 14:27

Tgt Ion: 62 Resp: 336864

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

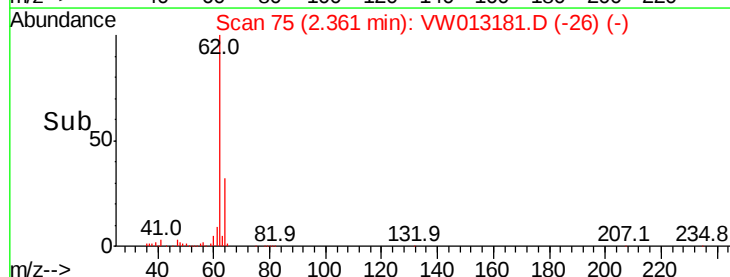
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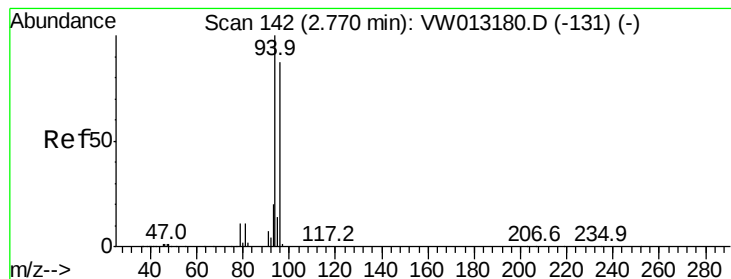
100000

50000

0

Time-->





#5

Bromomethane

Concen: 124.220 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

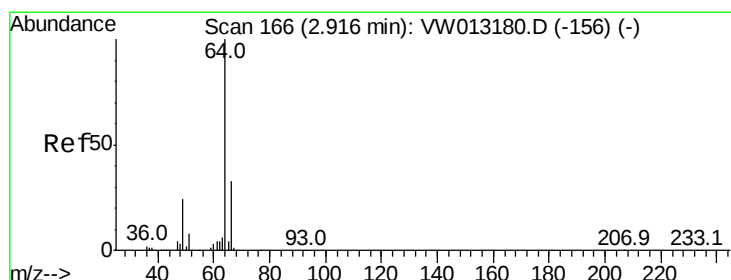
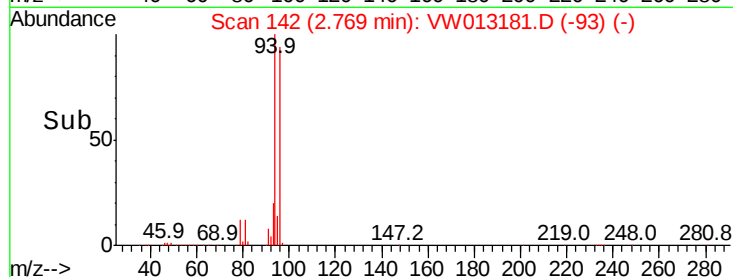
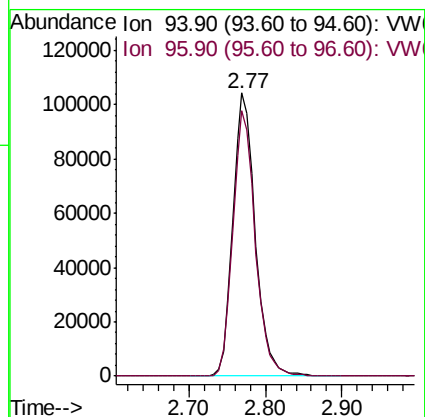
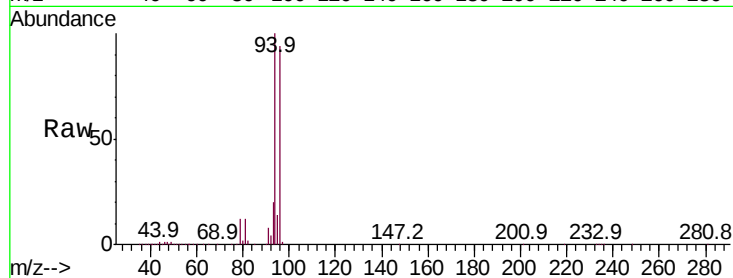
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 210918

Ion Ratio Lower Upper

94 100

96 93.6 69.7 104.5



#6

Chloroethane

Concen: 120.246 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW013181.D

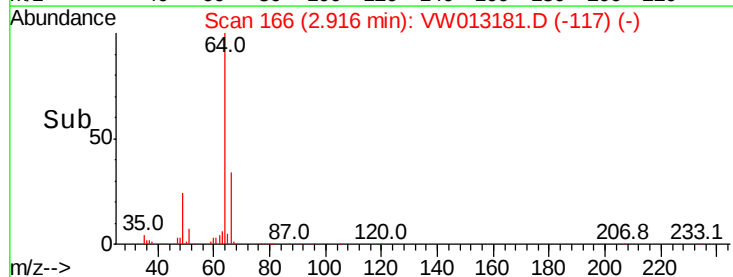
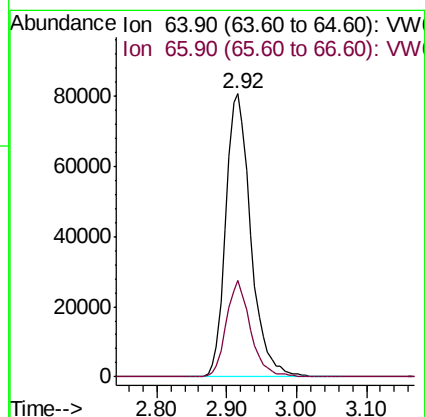
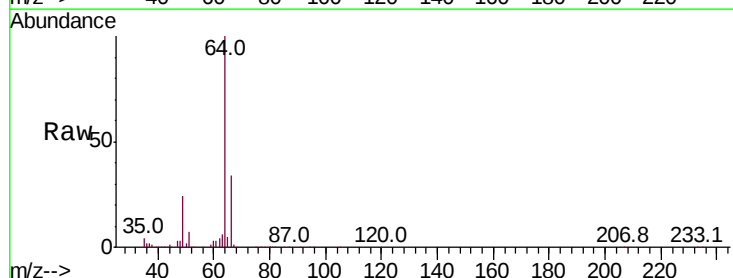
Acq: 20 Sep 2019 14:27

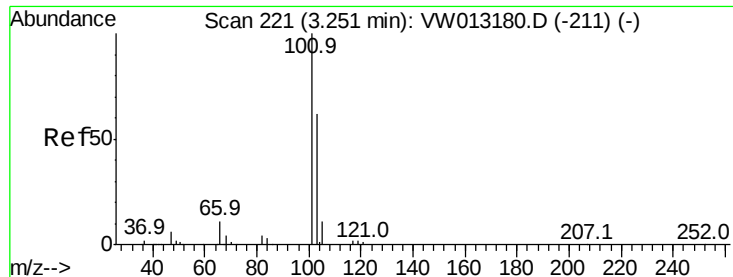
Tgt Ion: 64 Resp: 200781

Ion Ratio Lower Upper

64 100

66 34.3 26.6 39.8



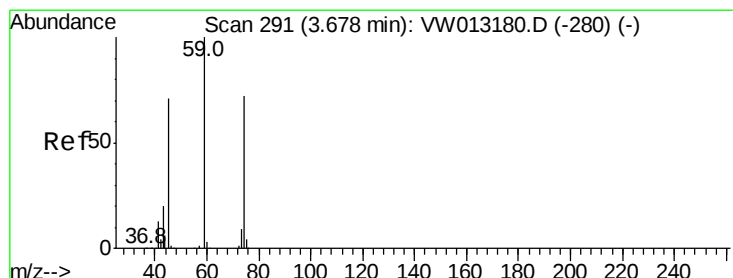
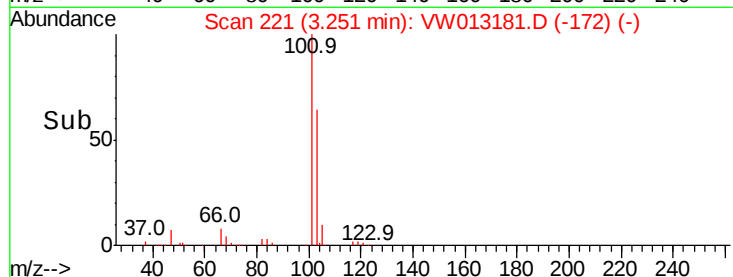
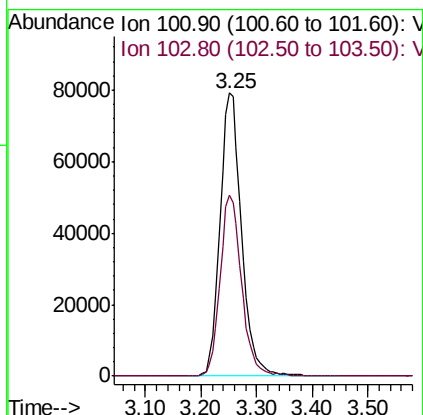
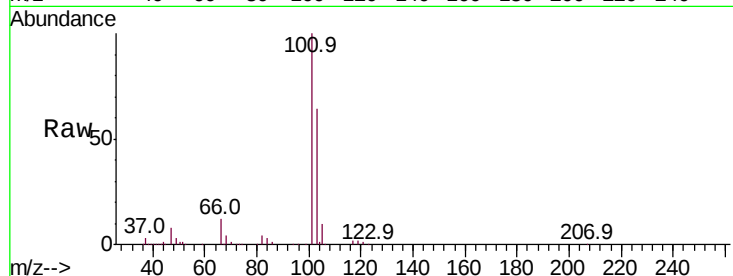


#7

Trichlorofluoromethane
 Concen: 114.957 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :

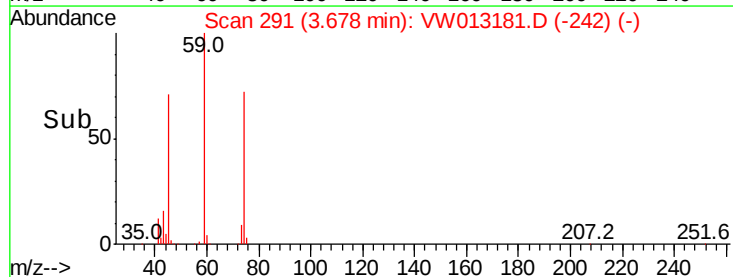
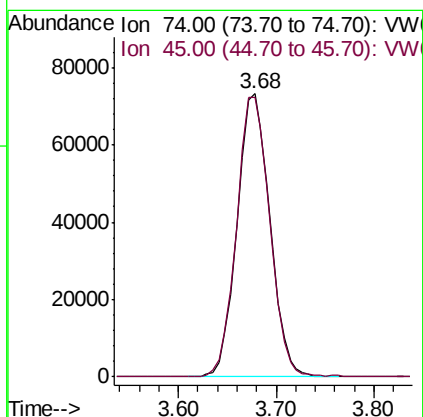
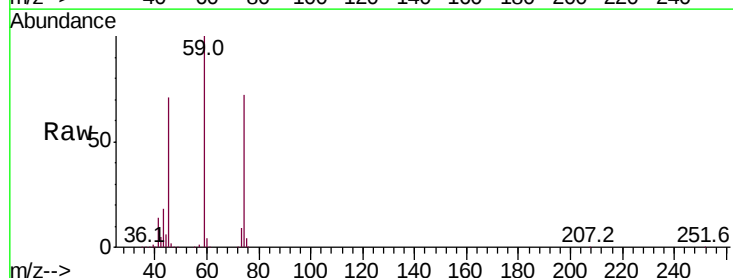
Tot Ion:101 Resp: 211076
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.7 74.5

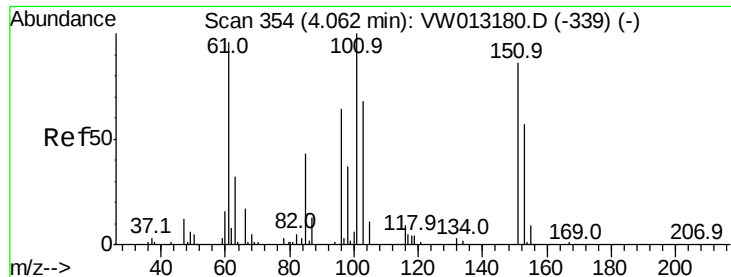


#8

Diethyl Ether
 Concen: 116.082 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 74 Resp: 170342
 Ion Ratio Lower Upper
 74 100
 45 99.7 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 112.794 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

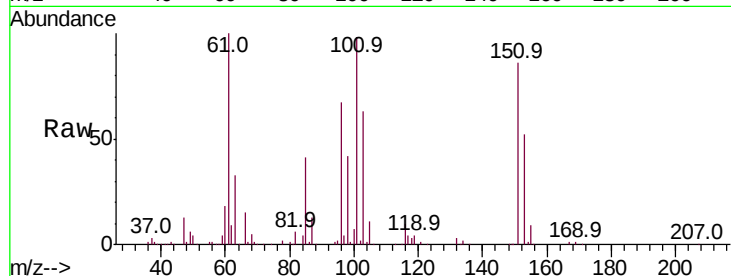
Tot Ion:101 Resp: 320062

Ion Ratio Lower Upper

101 100

85 41.1 33.4 50.0

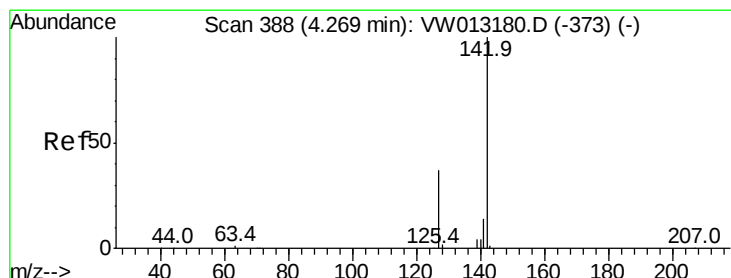
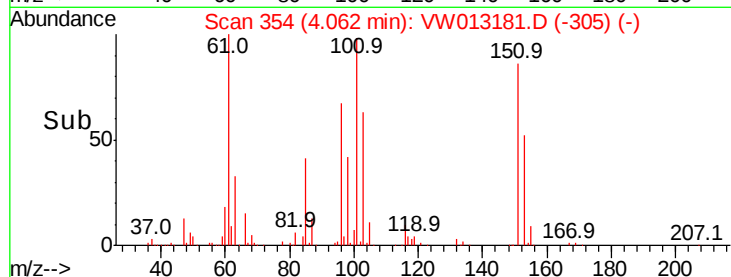
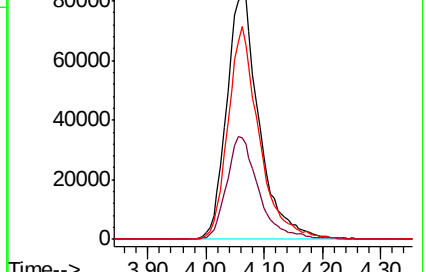
151 83.1 66.9 100.3



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: 136.251 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

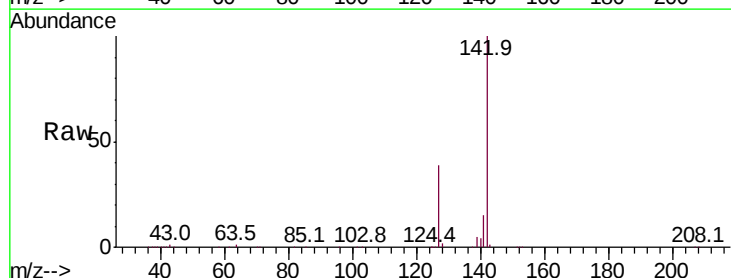
Tgt Ion:142 Resp: 505510

Ion Ratio Lower Upper

142 100

127 38.7 30.9 46.3

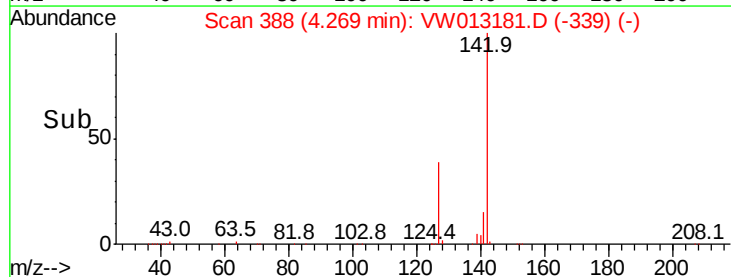
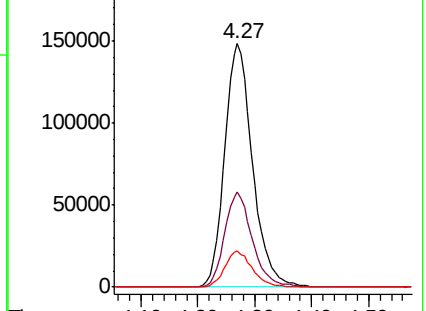
141 14.7 11.7 17.5

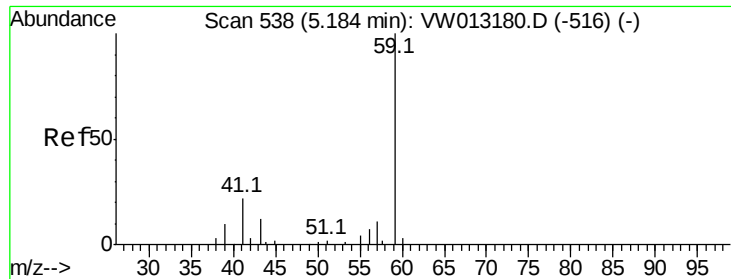


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



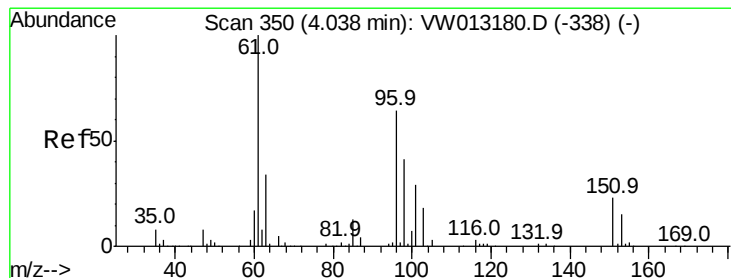
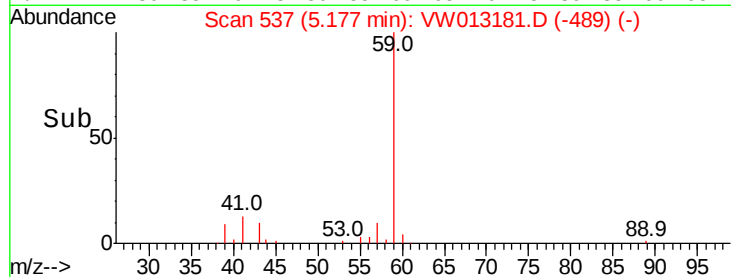
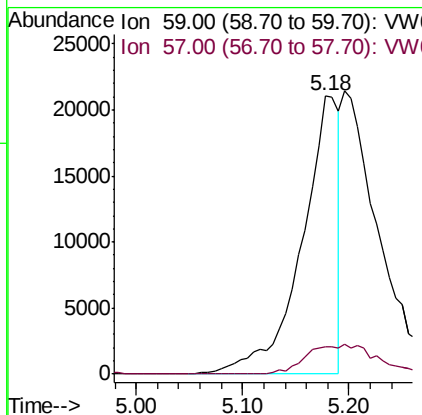
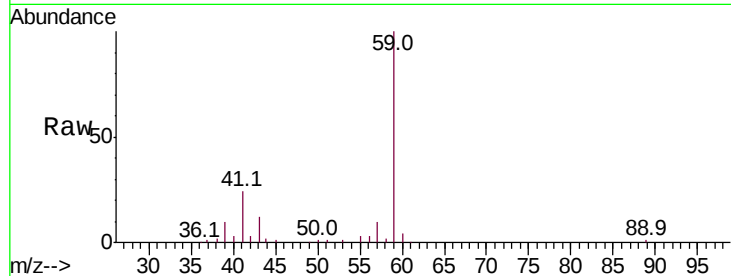


#11

Tert butyl alcohol
 Concen: 201.616 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :

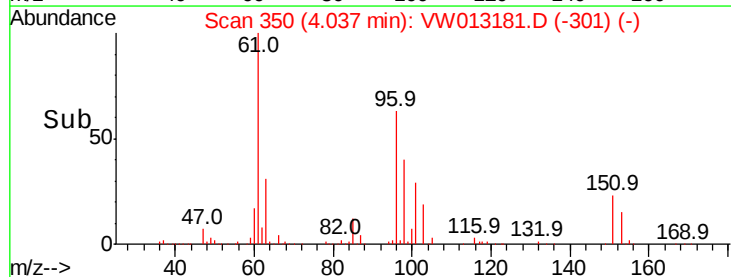
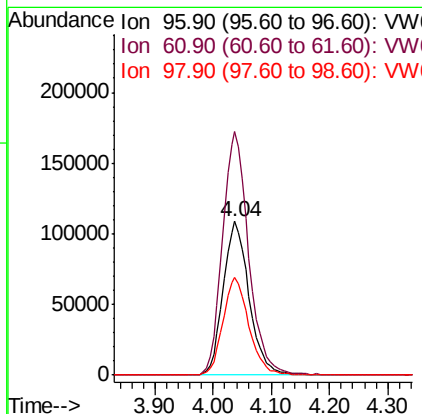
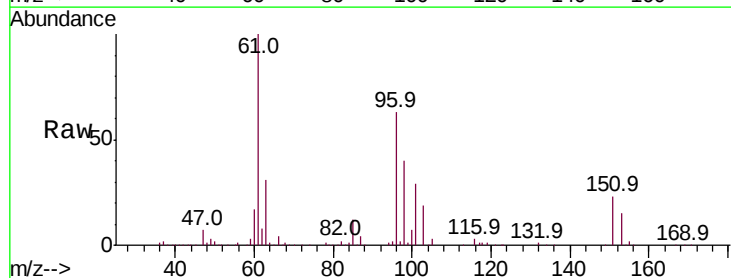
Tot Ion: 59 Resp: 51254
 Ion Ratio Lower Upper
 59 100
 57 20.4 8.2 12.2#

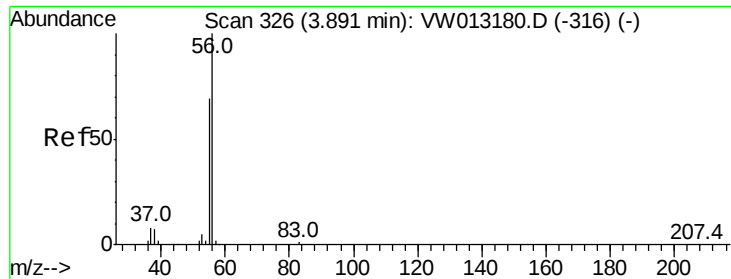


#12

1,1-Dichloroethene
 Concen: 127.236 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 96 Resp: 336539
 Ion Ratio Lower Upper
 96 100
 61 158.5 125.1 187.7
 98 63.4 50.8 76.2





#13

Acrolein

Concen: 393.783 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

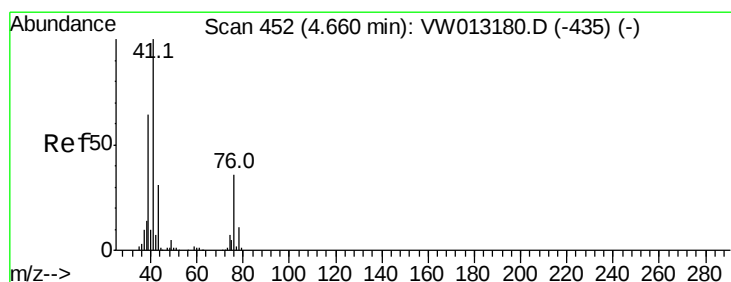
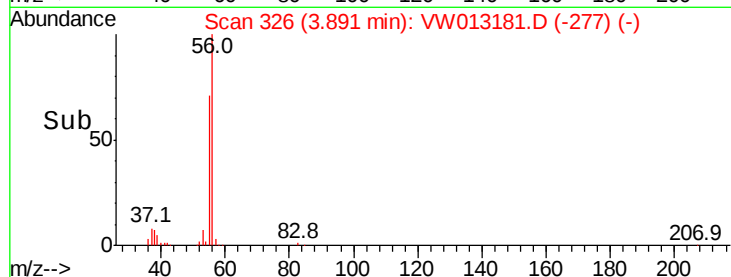
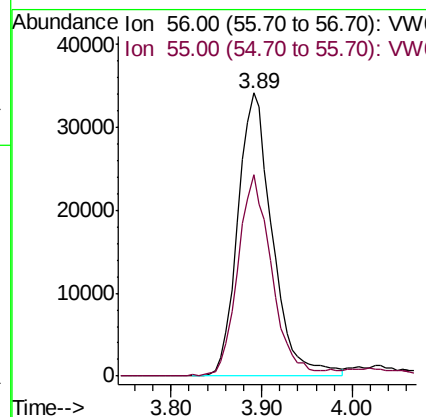
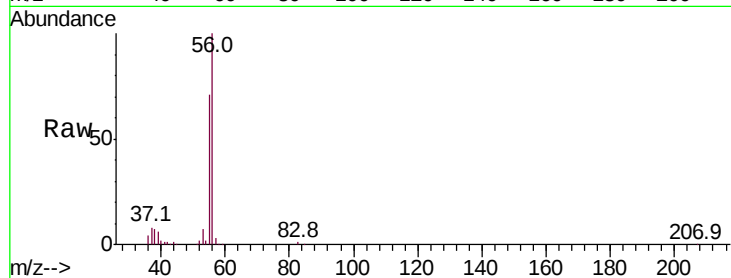
ClientSampleId :

Tot Ion: 56 Resp: 90672

Ion Ratio Lower Upper

56 100

55 69.5 55.4 83.0



#14

Allyl chloride

Concen: 111.968 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

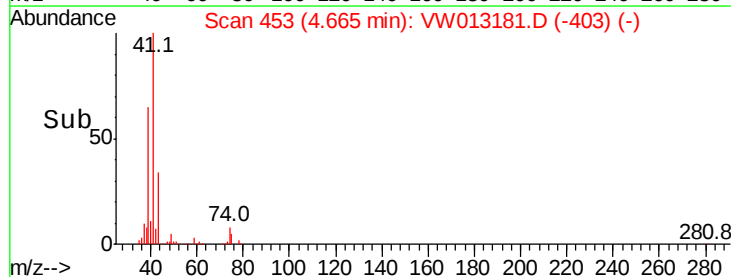
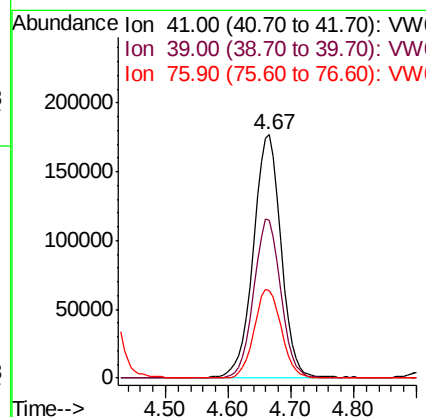
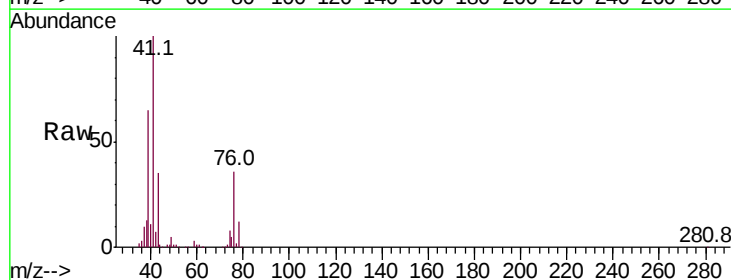
Tgt Ion: 41 Resp: 543065

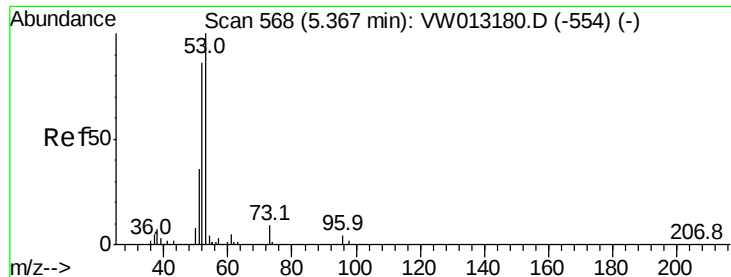
Ion Ratio Lower Upper

41 100

39 63.8 51.0 76.4

76 35.3 28.4 42.6





#15

Acrylonitrile

Concen: 518.884 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

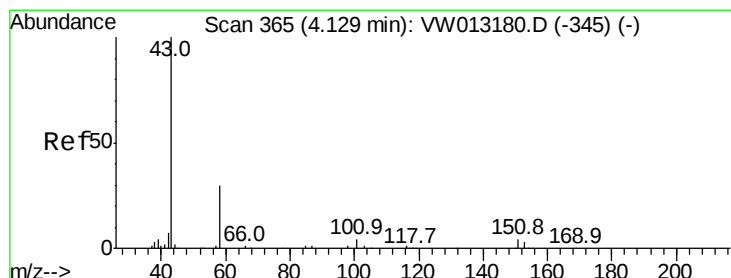
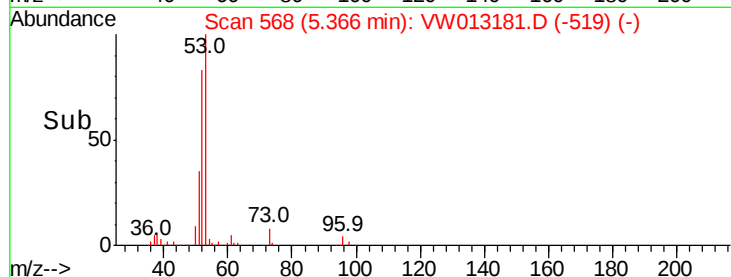
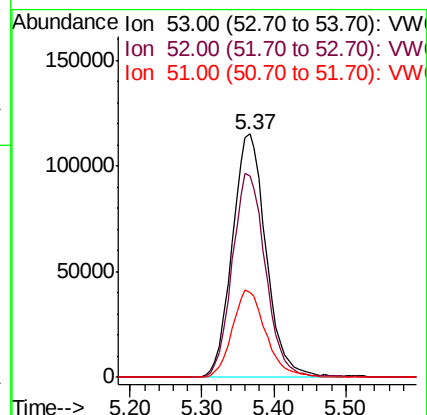
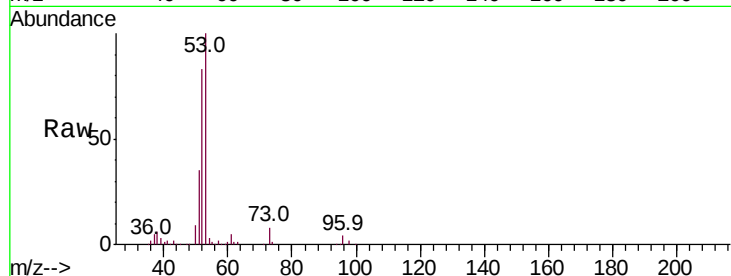
Tot Ion: 53 Resp: 374872

Ion Ratio Lower Upper

53 100

52 82.7 65.3 97.9

51 35.7 29.0 43.4



#16

Acetone

Concen: 436.513 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013181.D

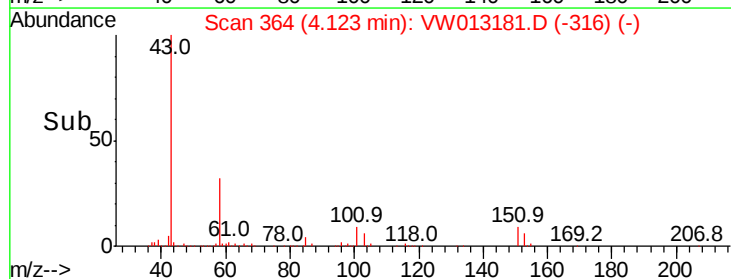
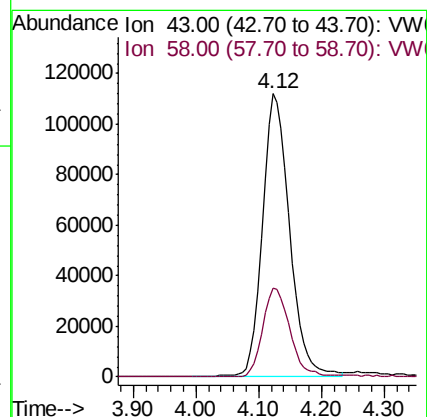
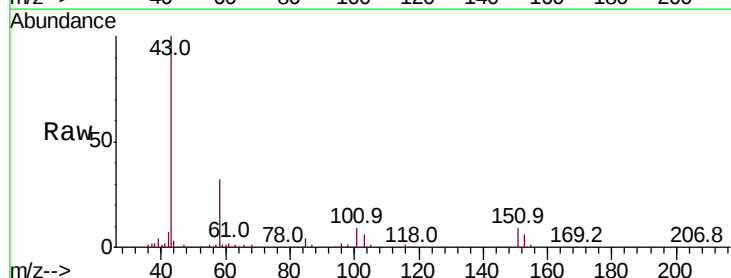
Acq: 20 Sep 2019 14:27

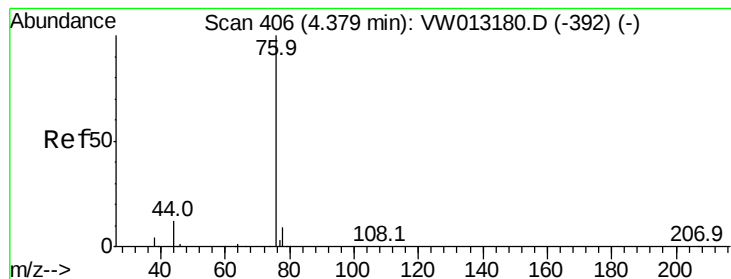
Tgt Ion: 43 Resp: 335757

Ion Ratio Lower Upper

43 100

58 31.5 24.1 36.1





#17

Carbon Disulfide

Concen: 172.722 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

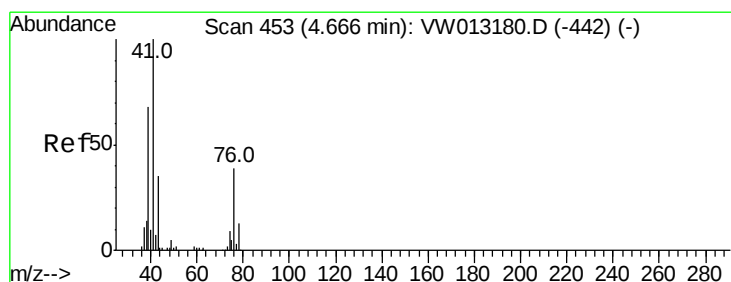
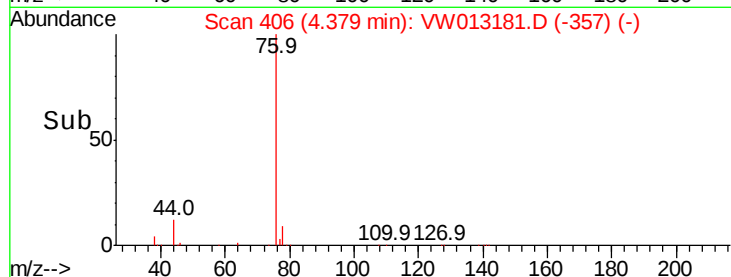
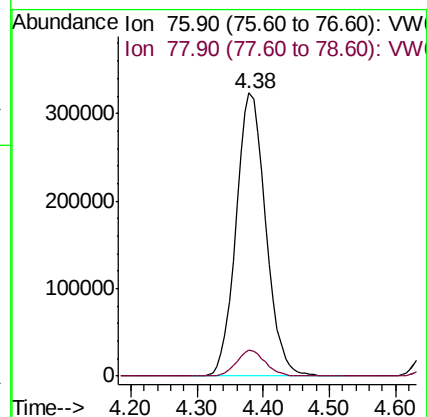
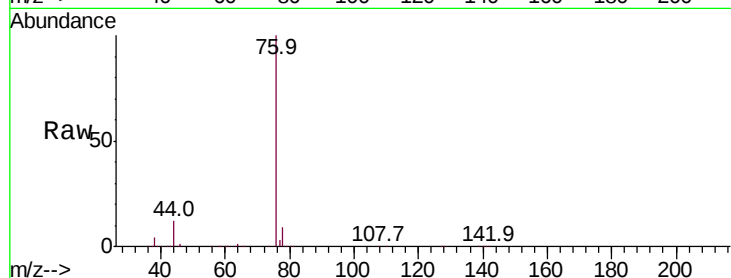
ClientSampleId :

Tot Ion: 76 Resp: 1005829

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4



#18

Methyl Acetate

Concen: 96.733 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013181.D

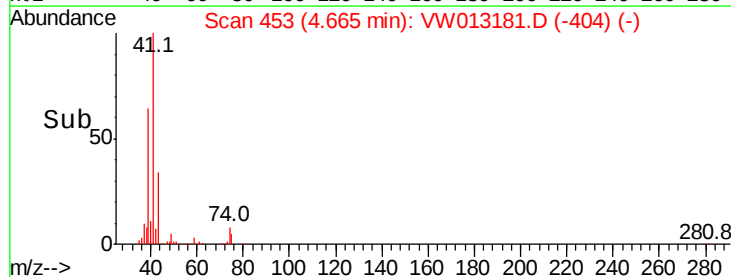
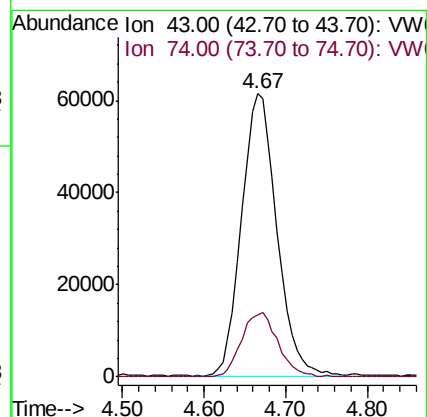
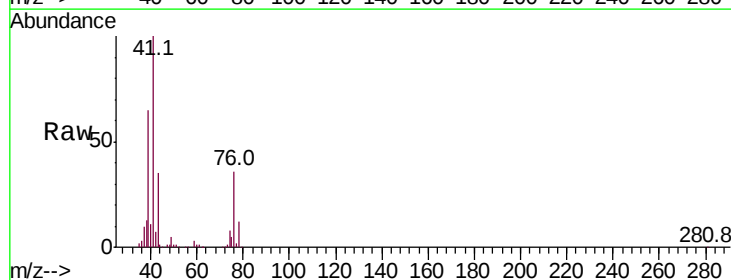
Acq: 20 Sep 2019 14:27

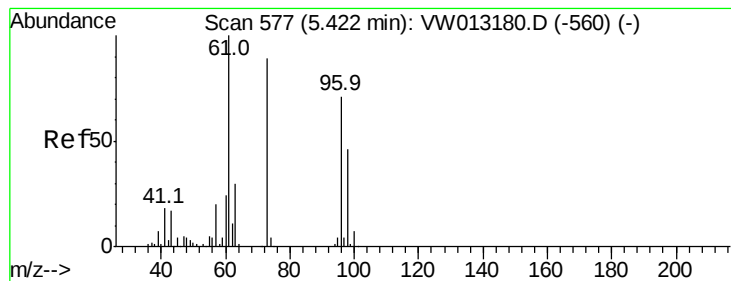
Tgt Ion: 43 Resp: 183747

Ion Ratio Lower Upper

43 100

74 23.7 19.3 28.9



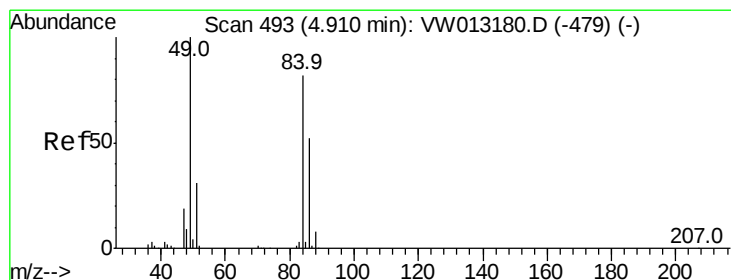
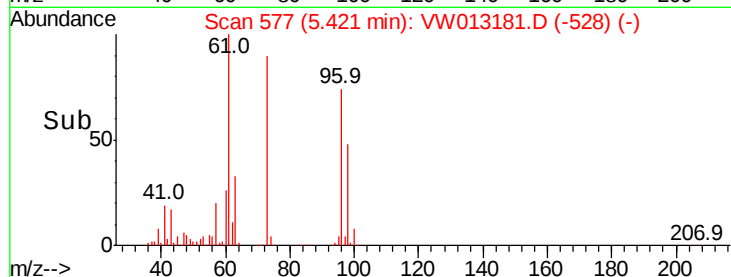
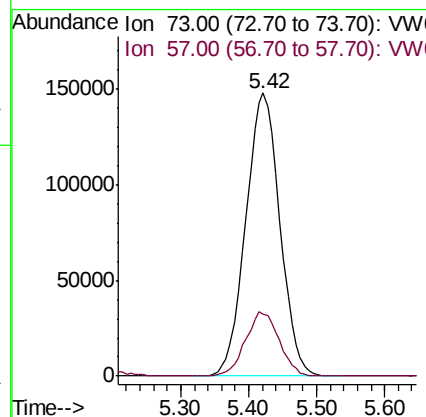
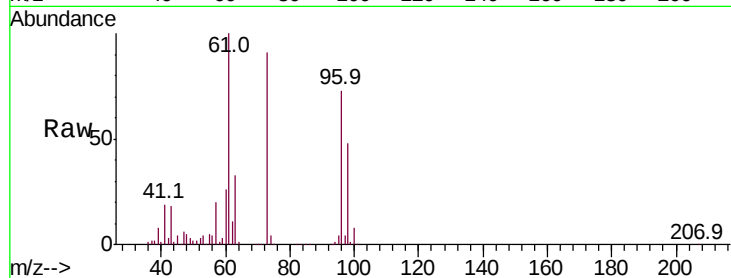


#19

Methyl tert-butyl Ether
 Concen: 103.943 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampled :

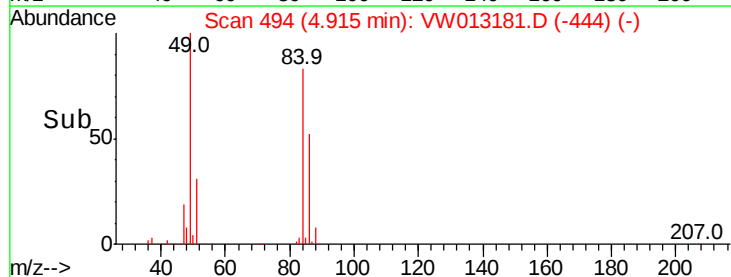
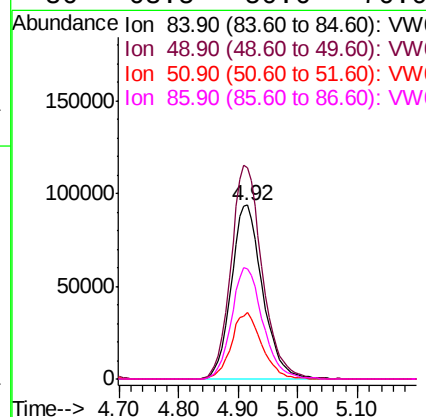
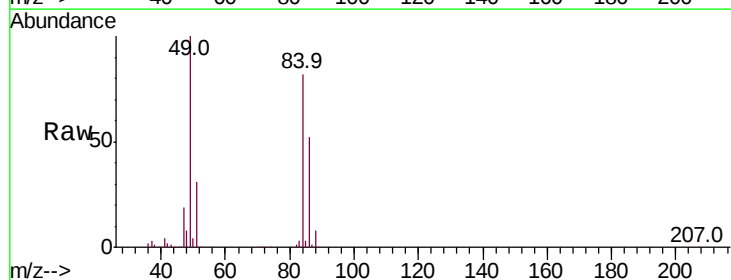
Tot Ion: 73 Resp: 515614
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.6 26.4

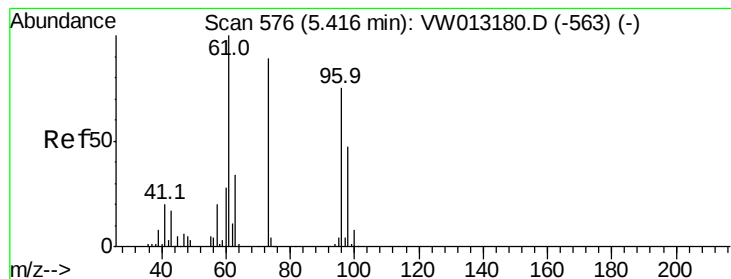


#20

Methylene Chloride
 Concen: 105.000 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 84 Resp: 342154
 Ion Ratio Lower Upper
 84 100
 49 121.3 97.6 146.4
 51 38.0 30.2 45.2
 86 63.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 128.223 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampled :

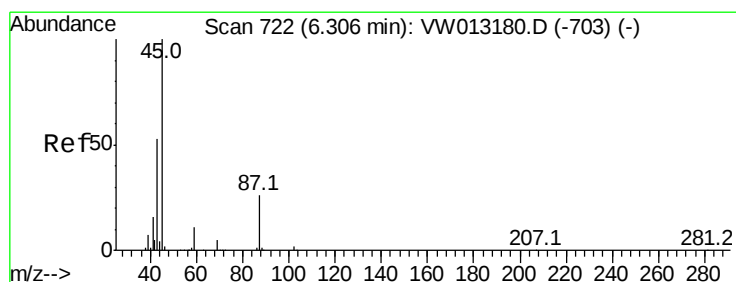
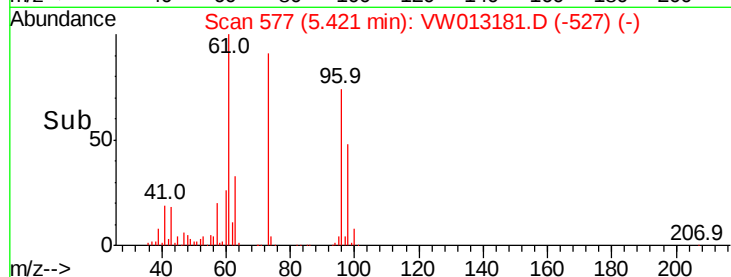
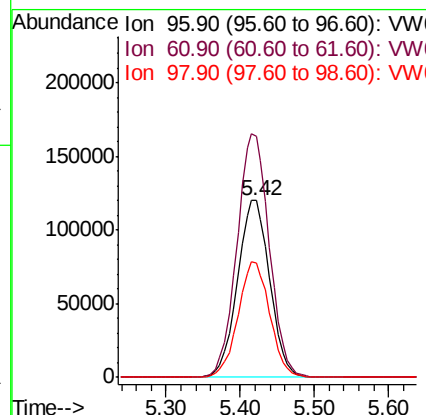
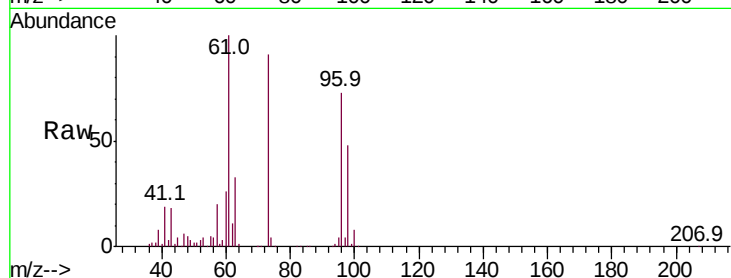
Tot Ion: 96 Resp: 364361

Ion Ratio Lower Upper

96 100

61 136.1 106.6 159.8

98 64.7 49.8 74.8



#22

Diisopropyl ether

Concen: 104.060 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion: 45 Resp: 1032354

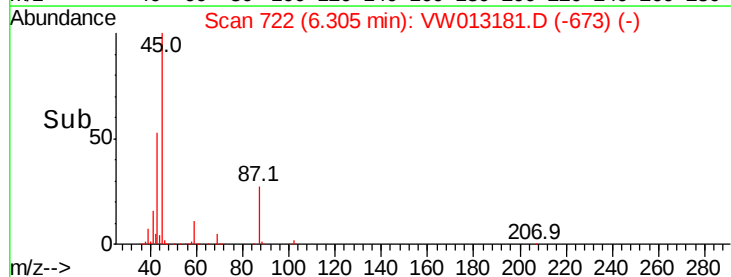
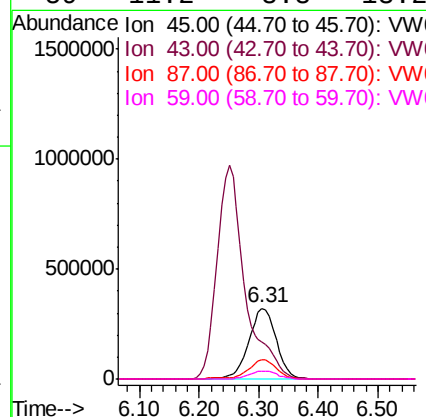
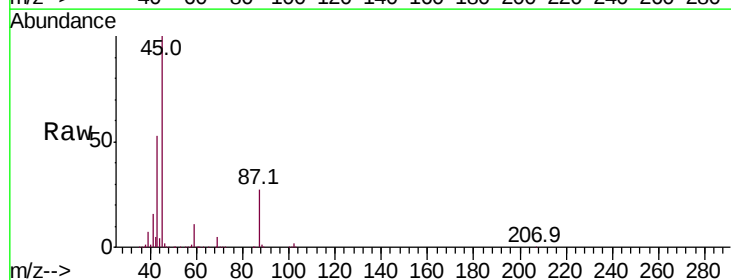
Ion Ratio Lower Upper

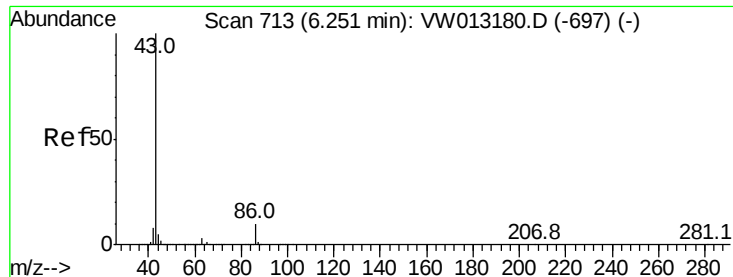
45 100

43 52.5 42.4 63.6

87 26.8 20.4 30.6

59 11.2 8.8 13.2





#23

Vinyl Acetate

Concen: 537.024 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

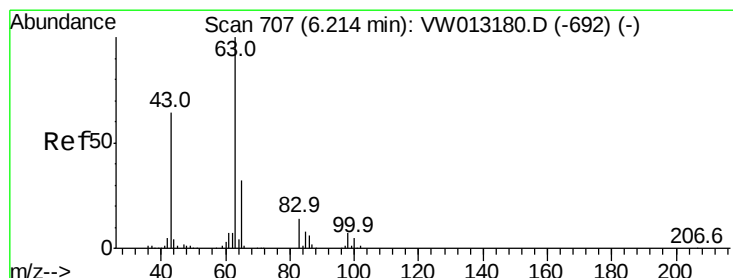
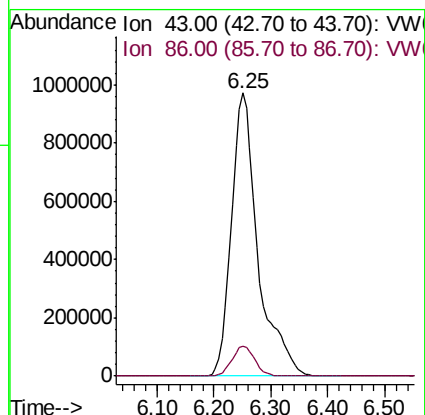
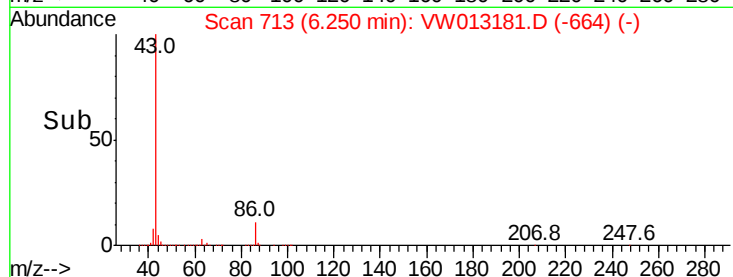
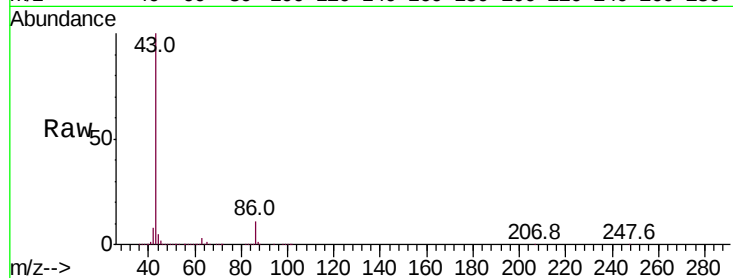
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 3167936

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



#24

1,1-Dichloroethane

Concen: 105.871 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

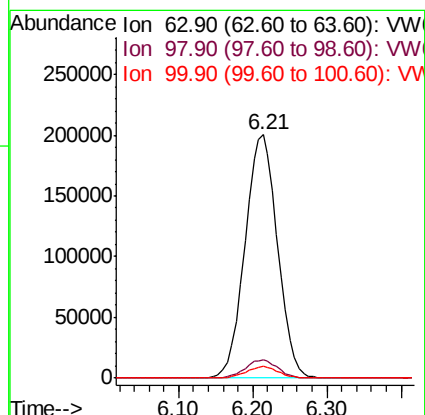
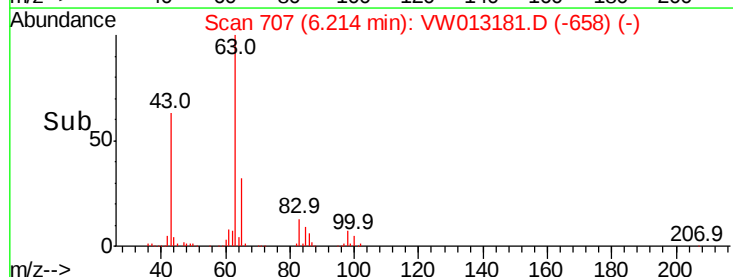
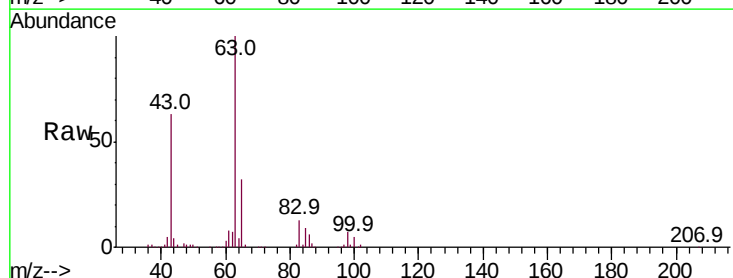
Tgt Ion: 63 Resp: 611798

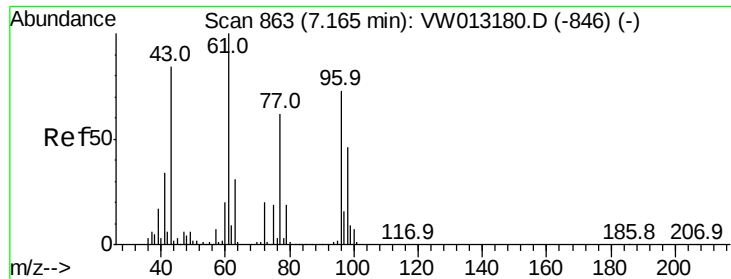
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 473.589 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

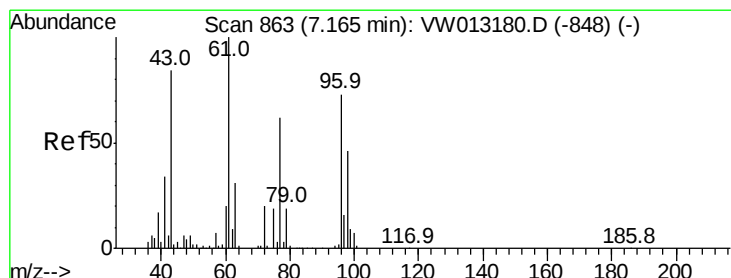
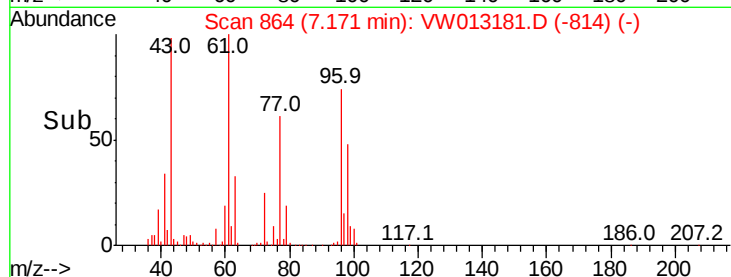
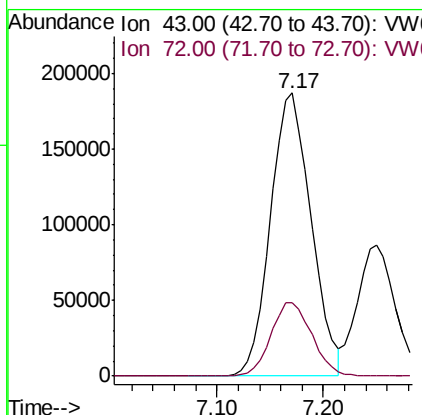
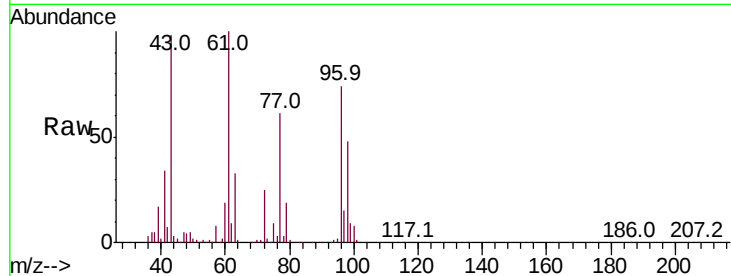
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 494375

Ion Ratio Lower Upper

43 100

72 25.9 19.4 29.0



#26

2,2-Dichloropropane

Concen: 90.961 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013181.D

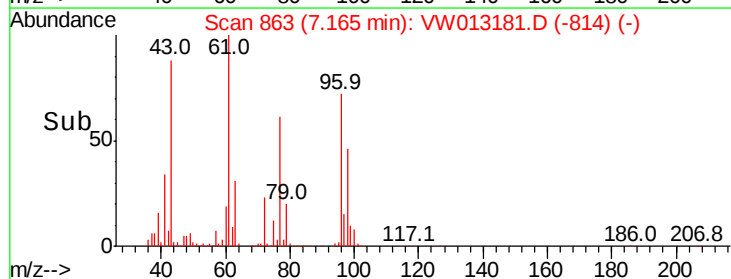
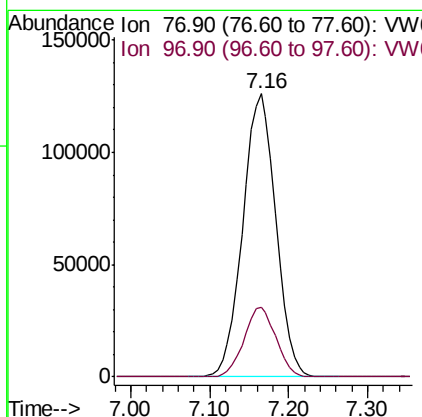
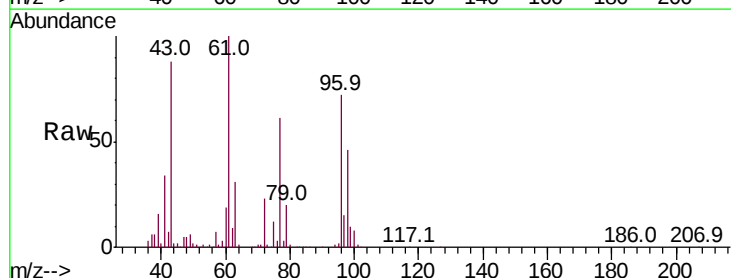
Acq: 20 Sep 2019 14:27

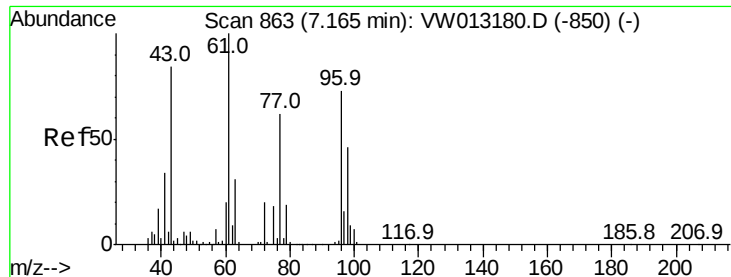
Tgt Ion: 77 Resp: 366908

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.4



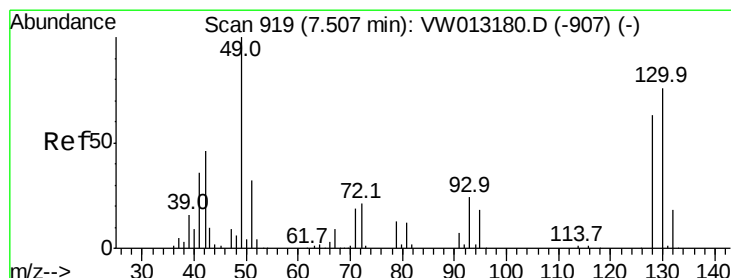
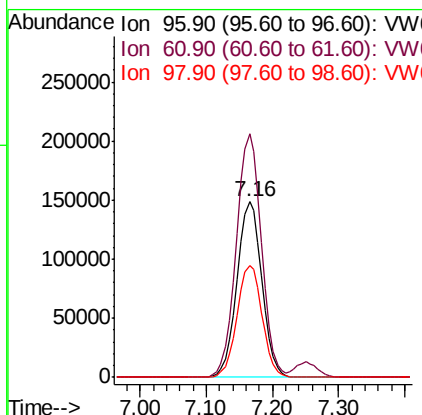
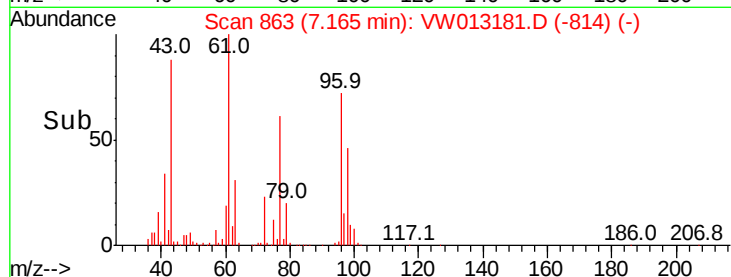
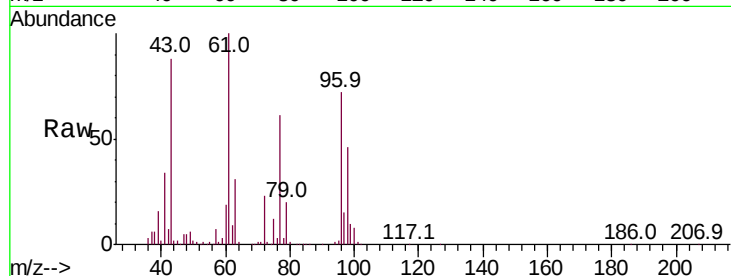


#27

cis-1,2-Dichloroethene
Concen: 116.432 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampled :

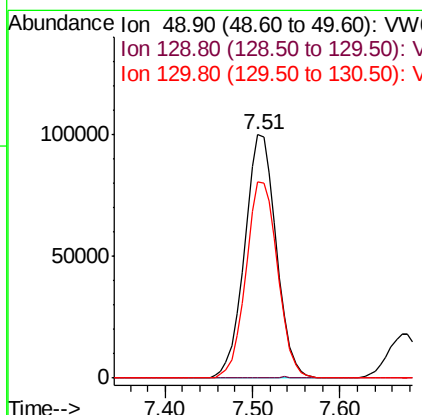
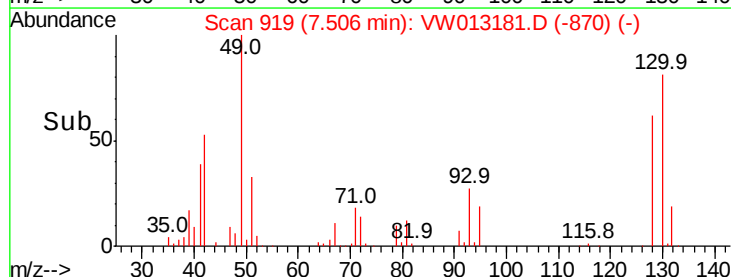
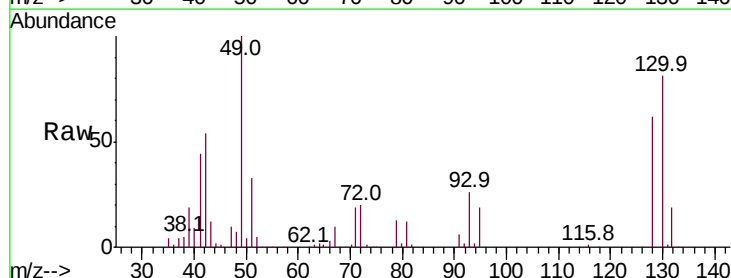
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	282.4
98	64.4	0.0	128.2

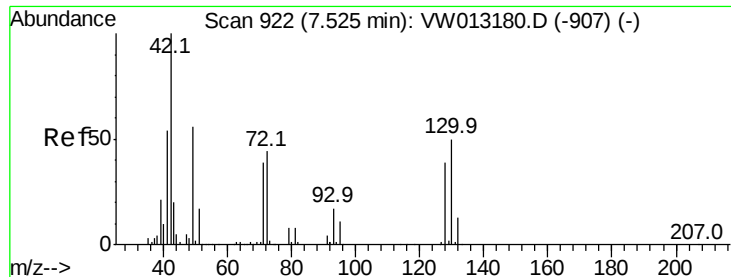


#28

Bromochloromethane
Concen: 103.435 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.0
130	81.1	63.4	95.2

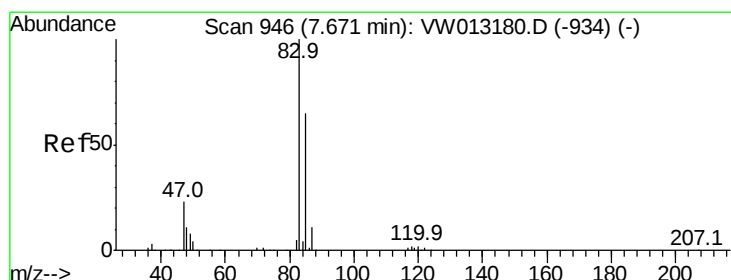
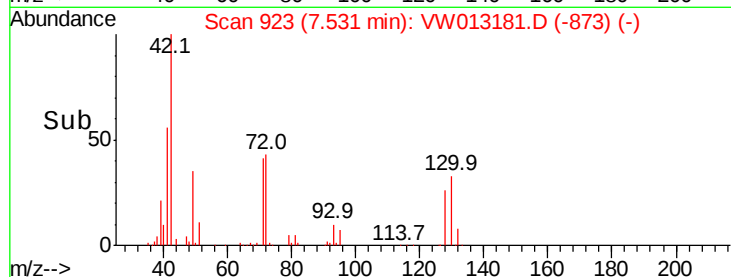
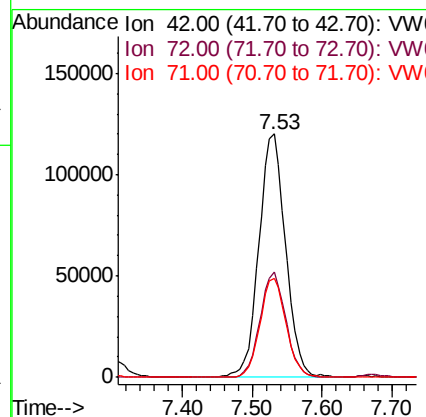
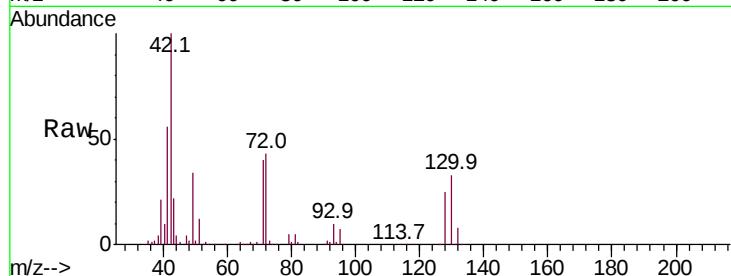




#29
Tetrahydrofuran
Concen: 528.415 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

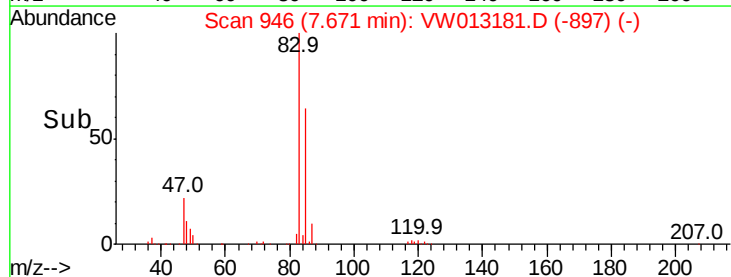
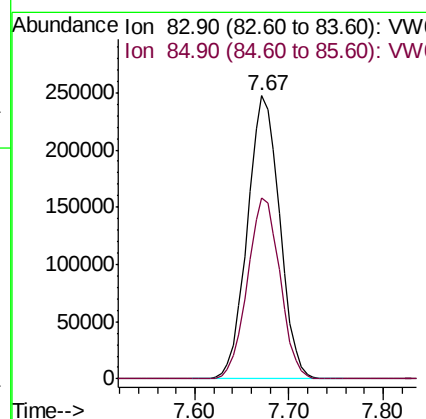
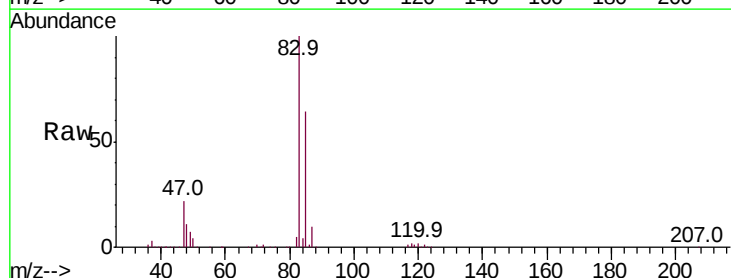
Instrument :
MSVOA_W
ClientSampled :

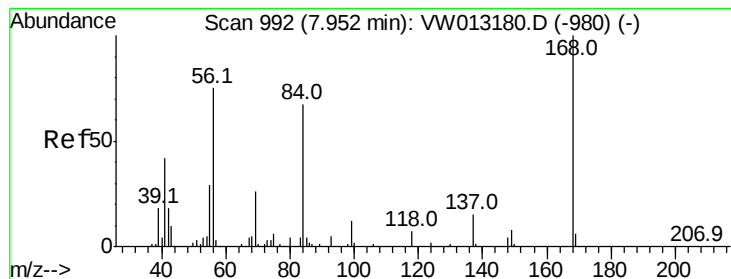
Tot Ion: 42 Resp: 318534
Ion Ratio Lower Upper
42 100
72 41.7 33.9 50.9
71 39.5 31.9 47.9



#30
Chloroform
Concen: 101.695 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 83 Resp: 590142
Ion Ratio Lower Upper
83 100
85 63.8 52.3 78.5





#31

Cyclohexane

Concen: 119.809 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampled :

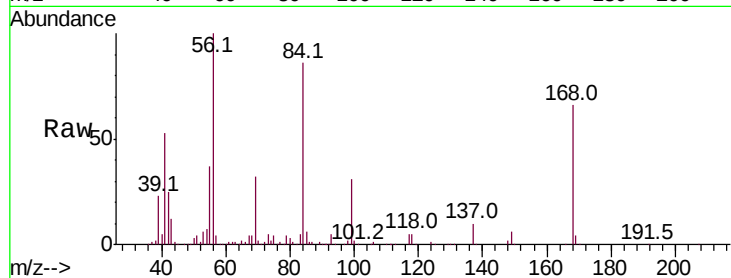
Tot Ion: 56 Resp: 614803

Ion Ratio Lower Upper

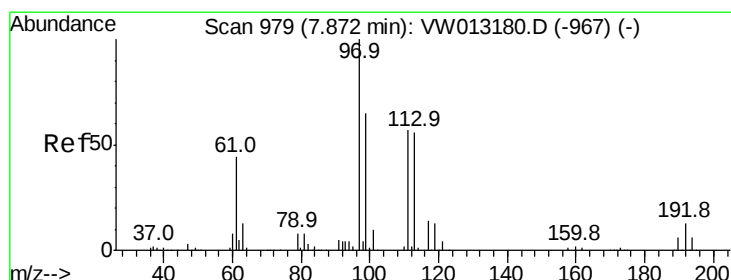
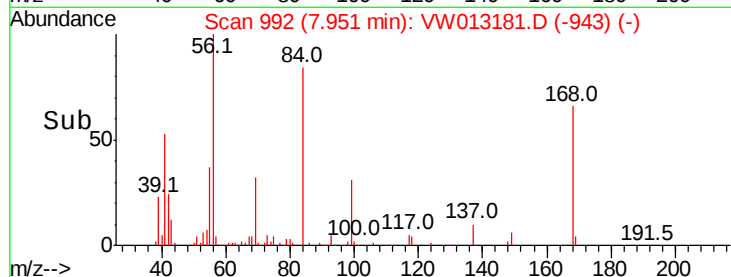
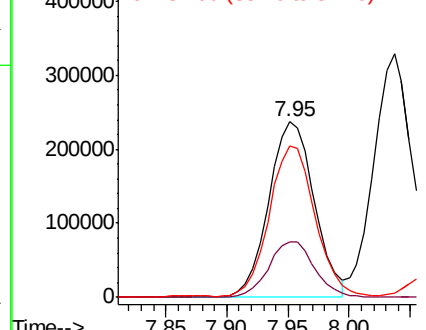
56 100

69 31.6 27.2 40.8

84 85.0 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: 101.075 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

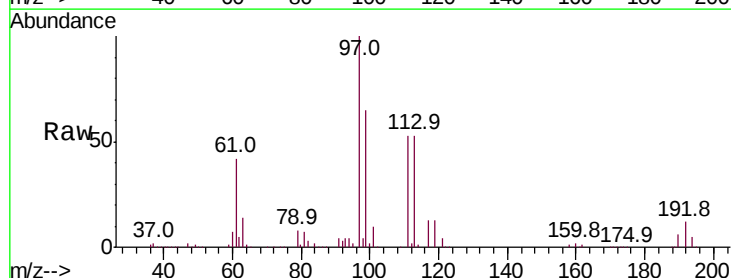
Tgt Ion: 97 Resp: 483814

Ion Ratio Lower Upper

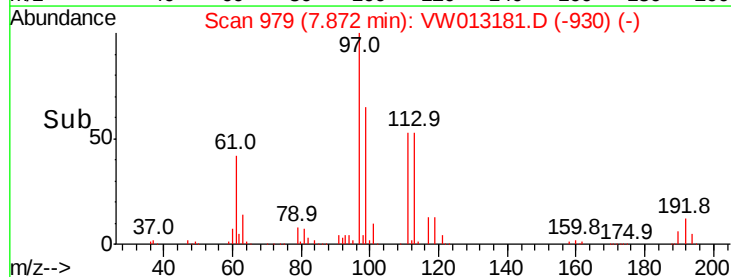
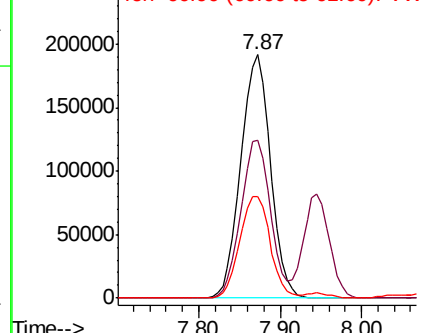
97 100

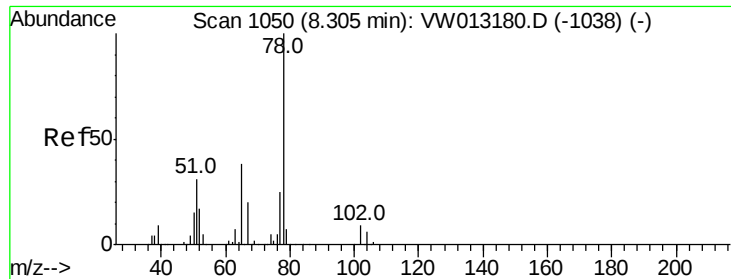
99 64.7 51.7 77.5

61 42.8 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

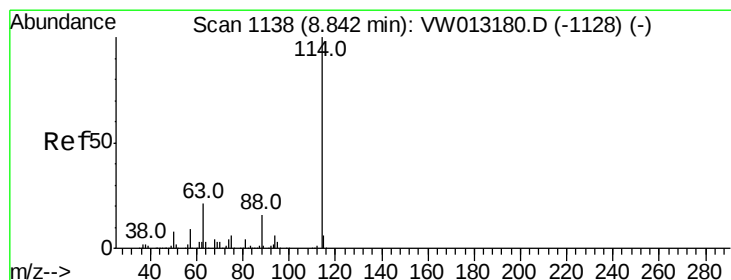
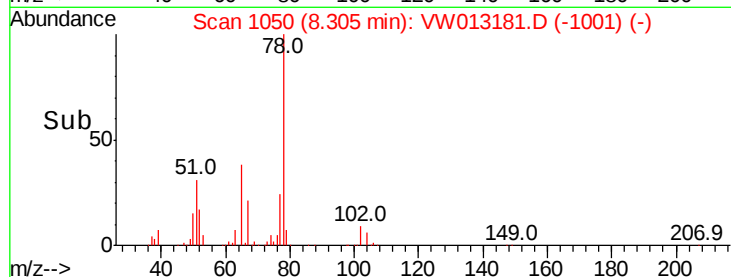
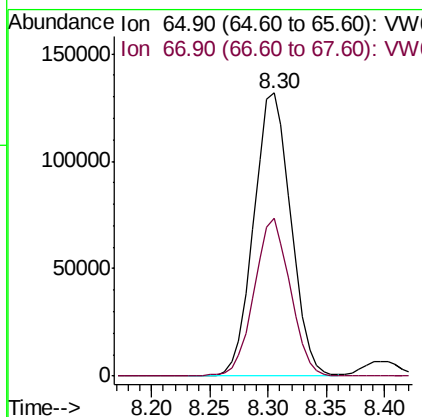
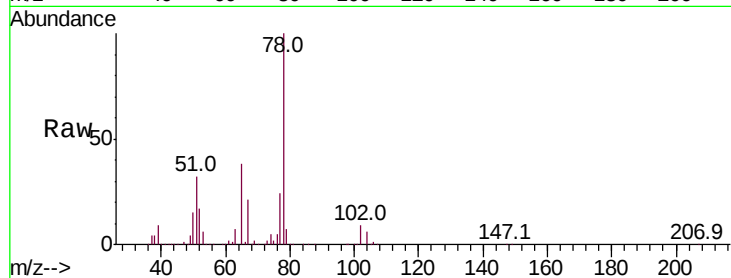




#33
 1,2-Dichloroethane-d4
 Concen: 89.158 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

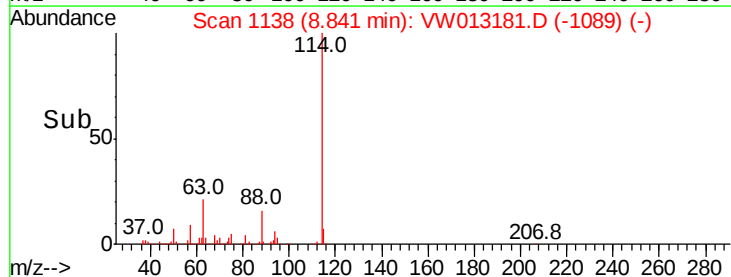
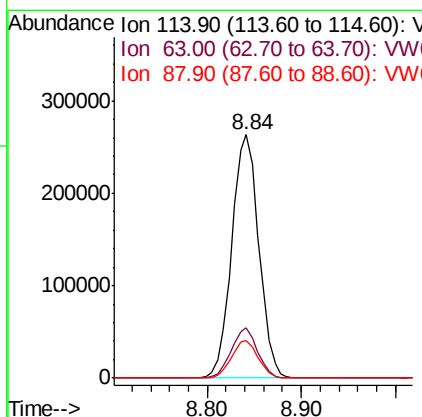
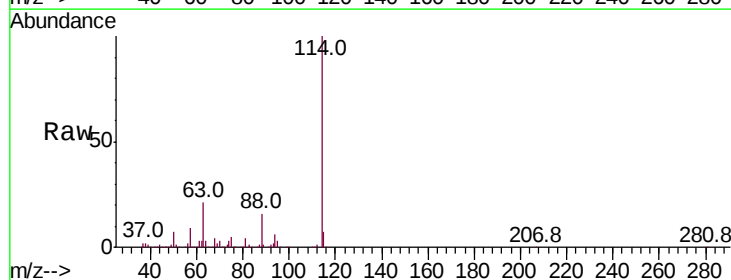
Instrument :
 MSVOA_W
 ClientSampled :

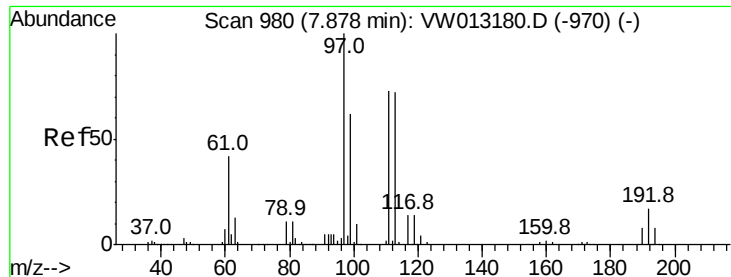
Tot Ion: 65 Resp: 291216
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion: 114 Resp: 522738
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 101.825 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :

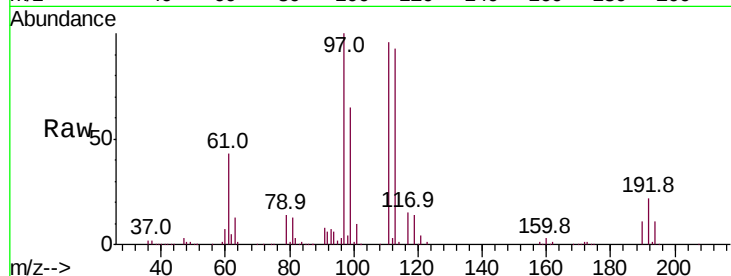
Tot Ion:113 Resp: 287802

Ion Ratio Lower Upper

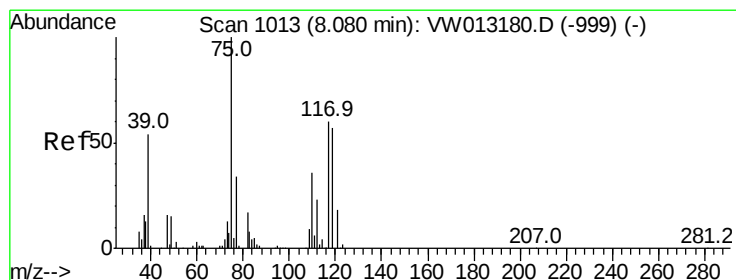
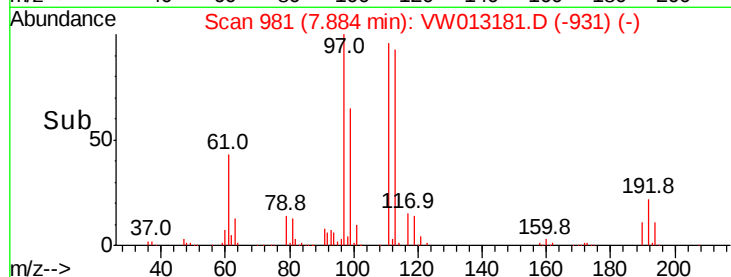
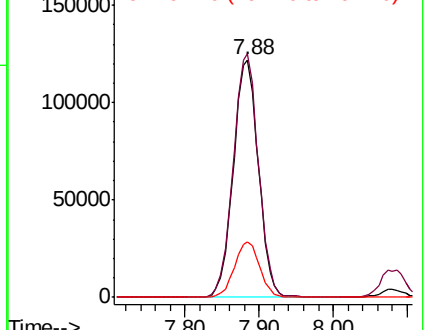
113 100

111 103.3 81.9 122.9

192 23.5 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 116.887 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

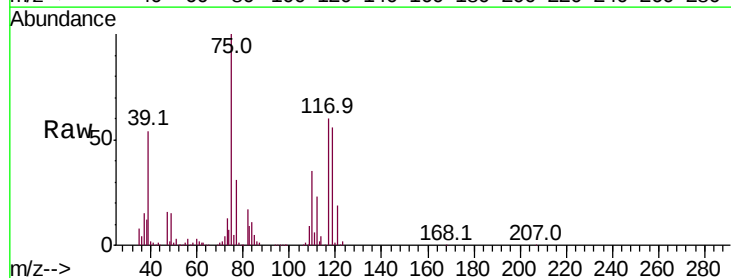
Tgt Ion: 75 Resp: 503795

Ion Ratio Lower Upper

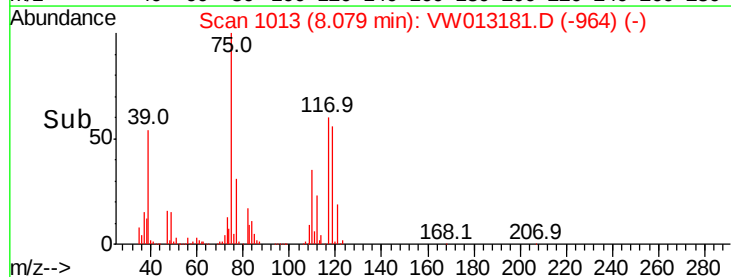
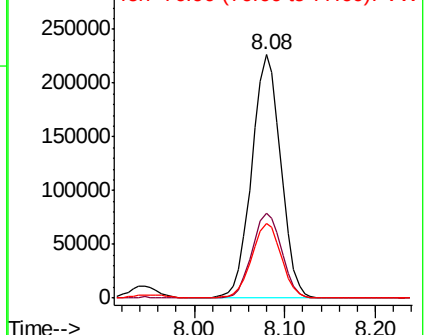
75 100

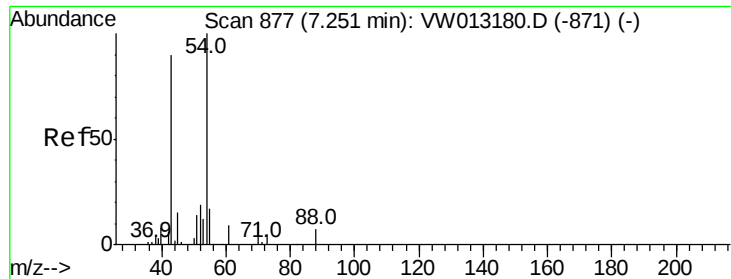
110 35.4 18.1 54.3

77 31.2 25.8 38.6



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

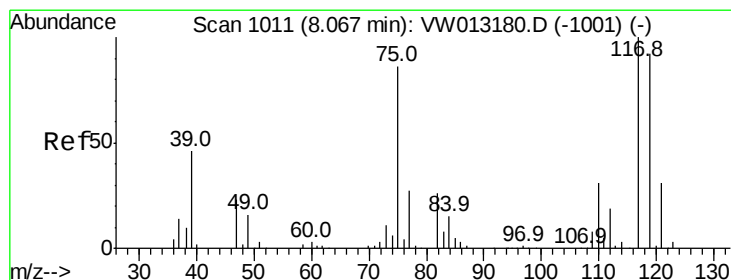
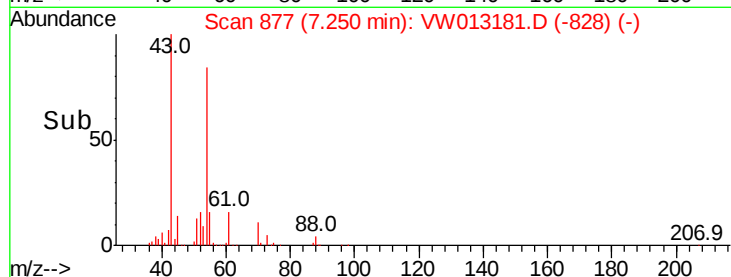
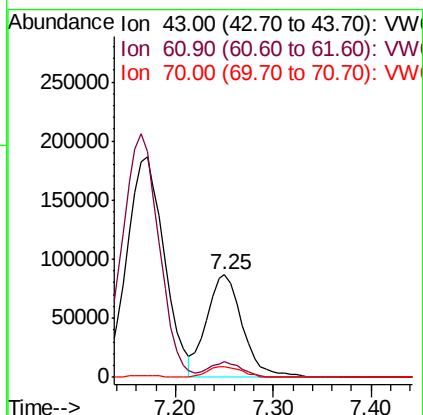
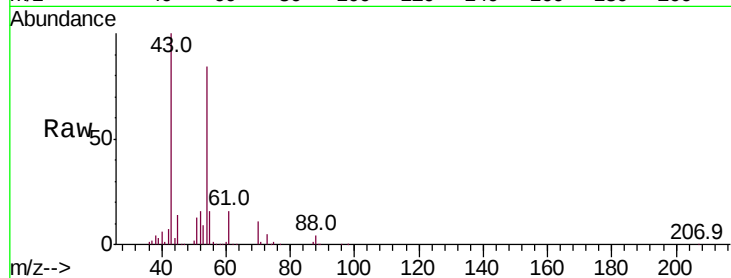




#37
Ethyl Acetate
Concen: 100.656 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

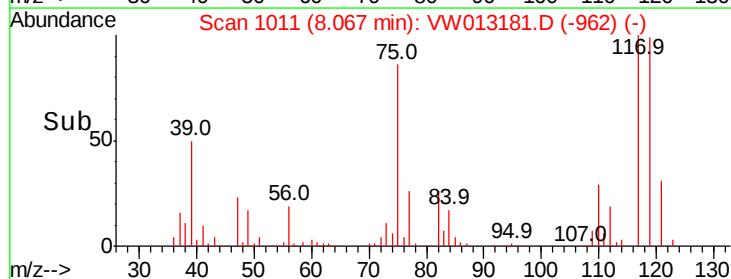
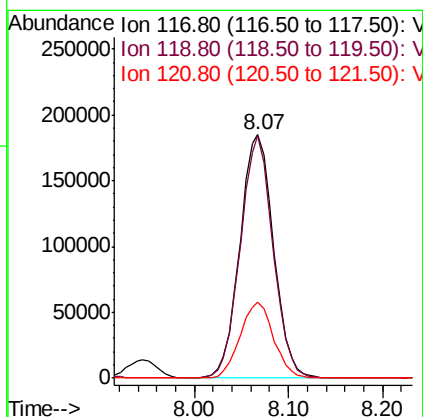
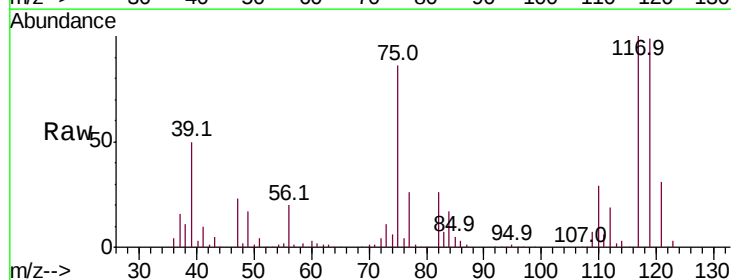
Instrument :
MSVOA_W
ClientSampleId :

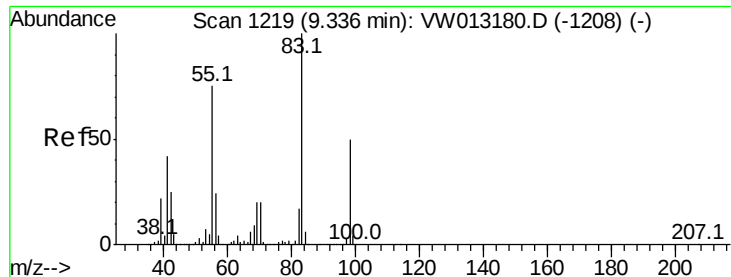
Tot Ion: 43 Resp: 220718
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 10.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 106.880 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 117 Resp: 461746
Ion Ratio Lower Upper
117 100
119 99.5 73.5 110.3
121 31.5 25.0 37.6

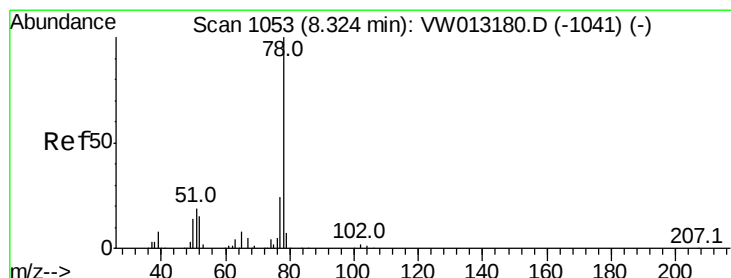
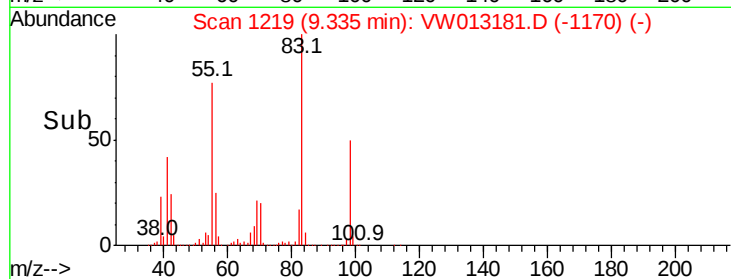
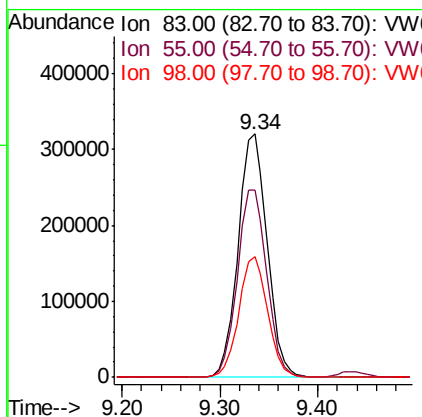
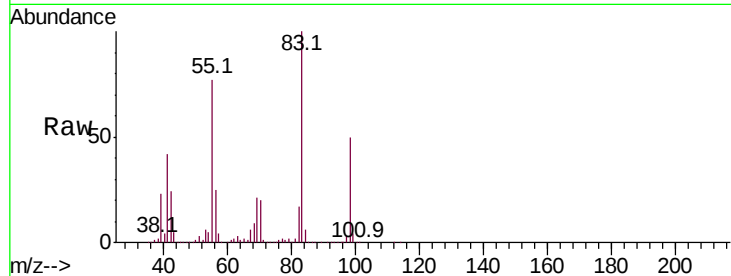




#39
Methvlcvclohexane
Concen: 134.480 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

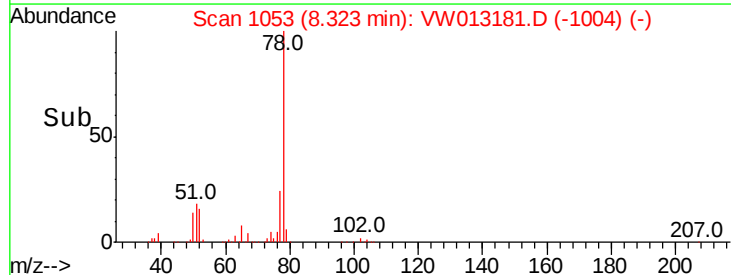
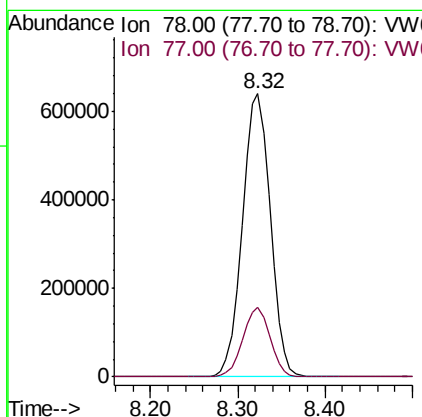
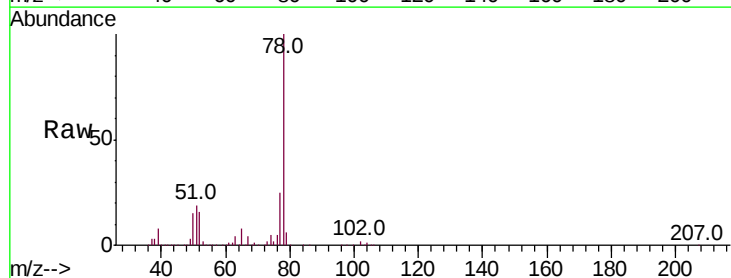
Instrument :
MSVOA_W
ClientSampleId :

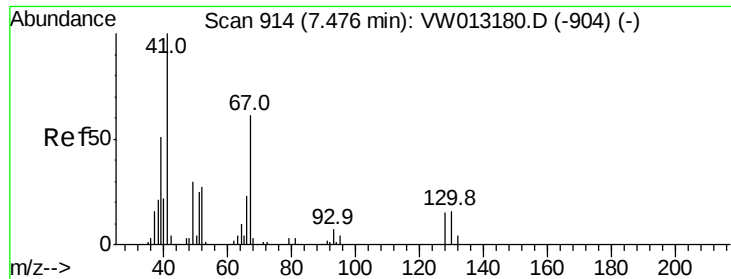
Tot Ion: 83 Resp: 660742
Ion Ratio Lower Upper
83 100
55 77.0 60.4 90.6
98 49.7 40.0 60.0



#40
Benzene
Concen: 117.750 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 78 Resp: 1416864
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7

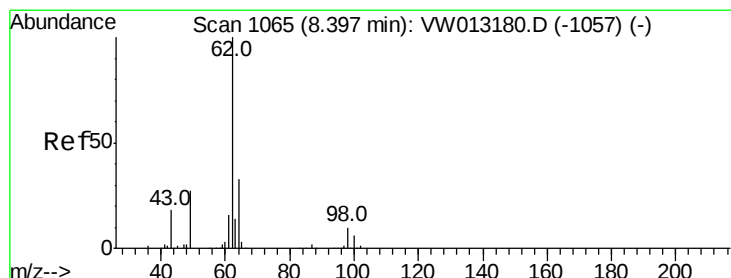
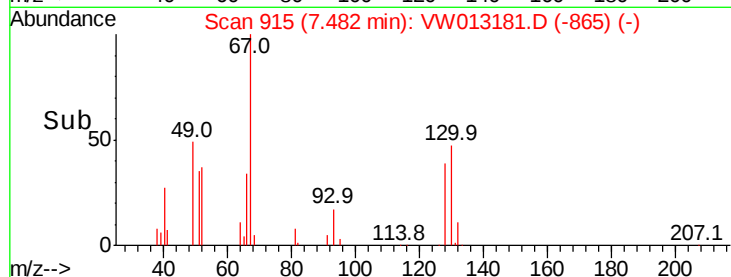
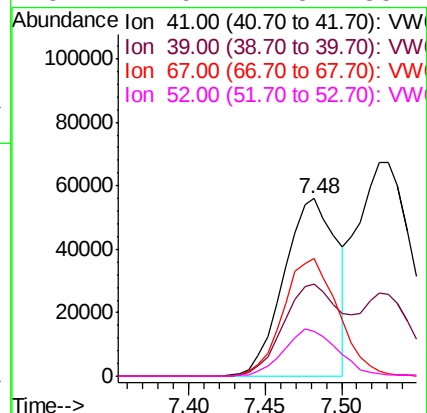
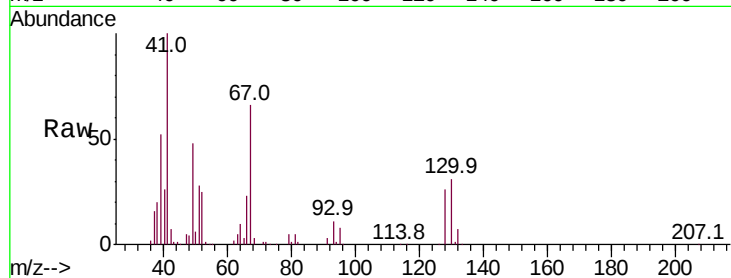




#41
Methacrylonitrile
Concen: 94.673 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

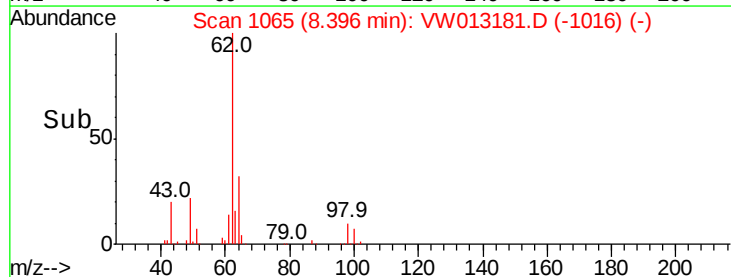
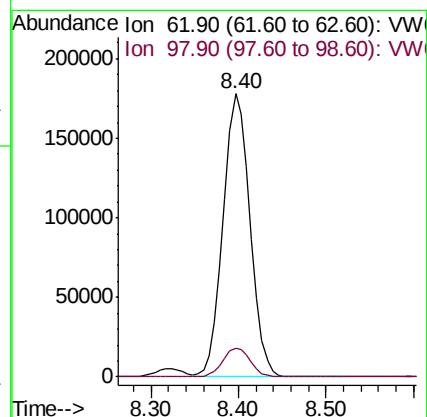
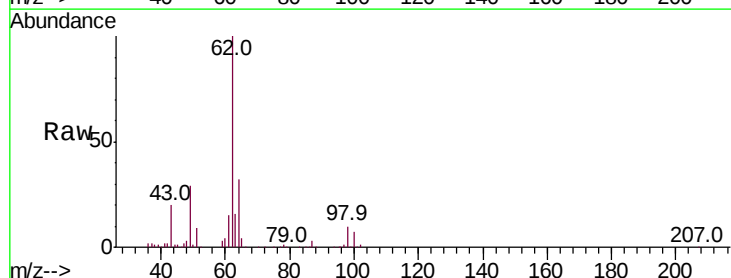
Instrument :
MSVOA_W
ClientSampled :

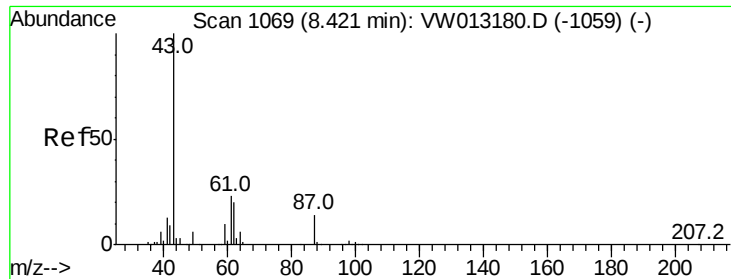
Tot Ion: 41 Resp: 135270
Ion Ratio Lower Upper
41 100
39 57.3 45.9 68.9
67 68.6 54.5 81.7
52 27.5 22.5 33.7



#42
1,2-Dichloroethane
Concen: 97.899 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 62 Resp: 379740
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 102.340 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampled :

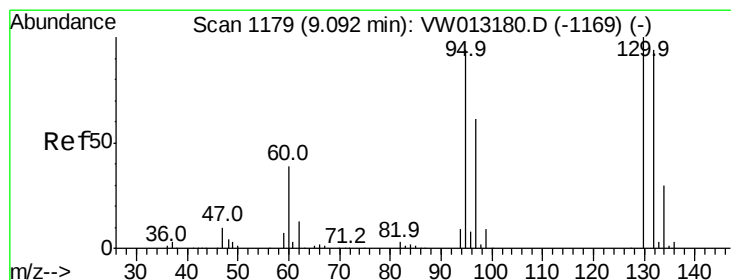
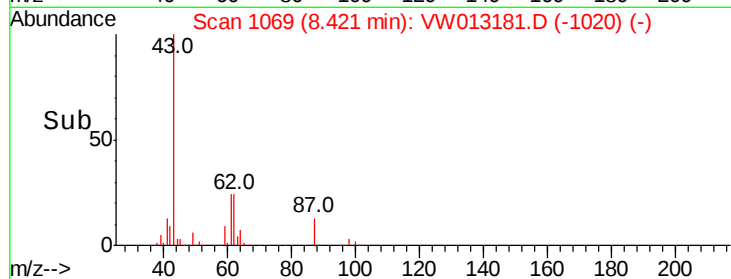
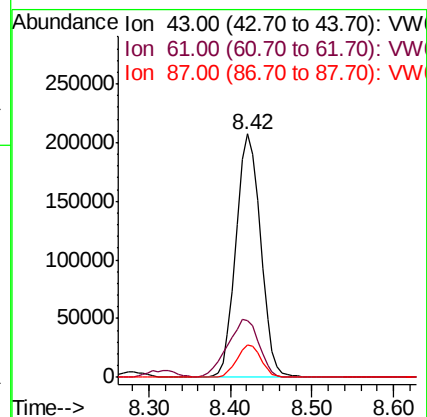
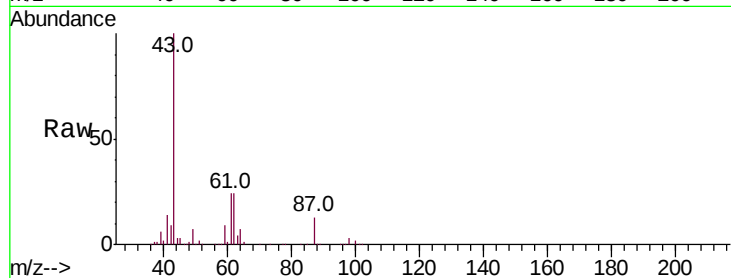
Tot Ion: 43 Resp: 429522

Ion Ratio Lower Upper

43 100

61 30.9 25.5 38.3

87 13.4 11.0 16.4



#44

Trichloroethene

Concen: 118.902 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013181.D

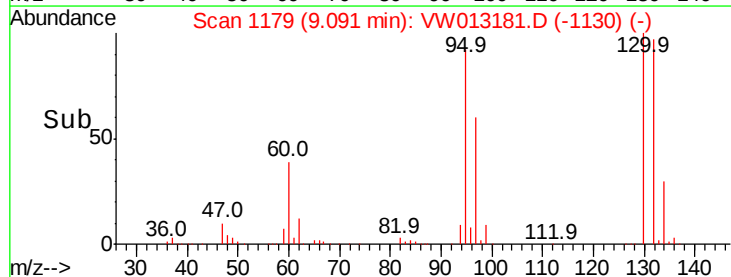
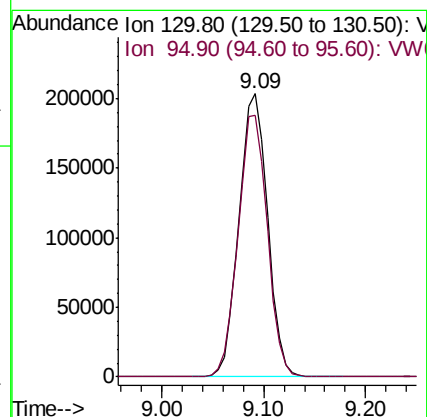
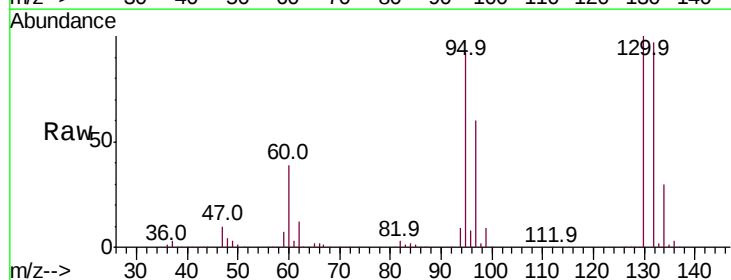
Acq: 20 Sep 2019 14:27

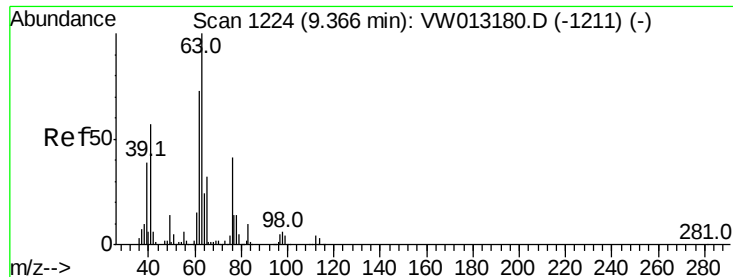
Tgt Ion: 130 Resp: 394547

Ion Ratio Lower Upper

130 100

95 92.3 0.0 188.0





#45

1,2-Dichloropropane

Concen: 110.653 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

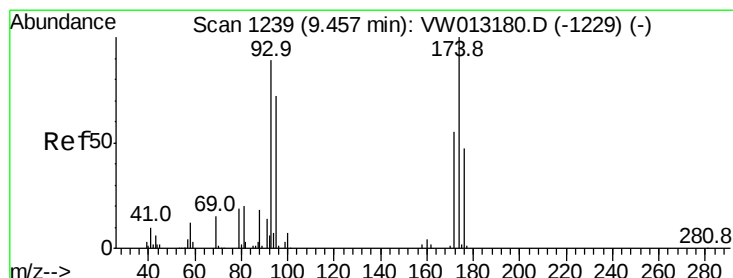
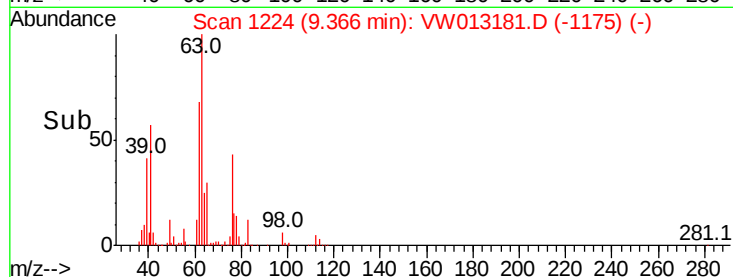
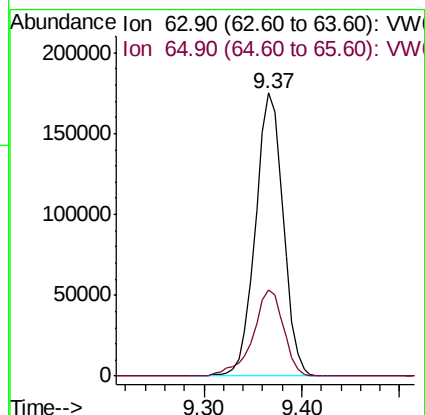
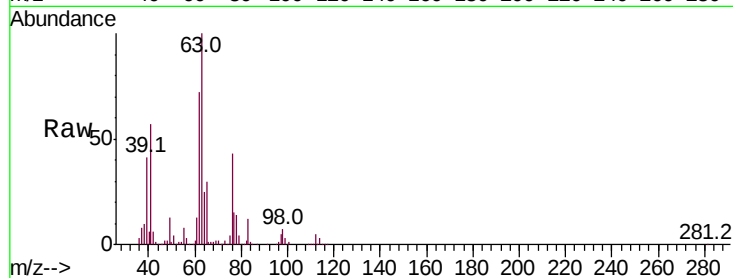
ClientSampleId :

Tot Ion: 63 Resp: 347299

Ion Ratio Lower Upper

63 100

65 30.3 25.3 37.9



#46

Dibromomethane

Concen: 113.087 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

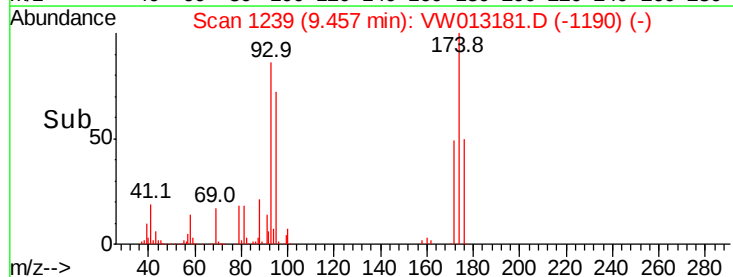
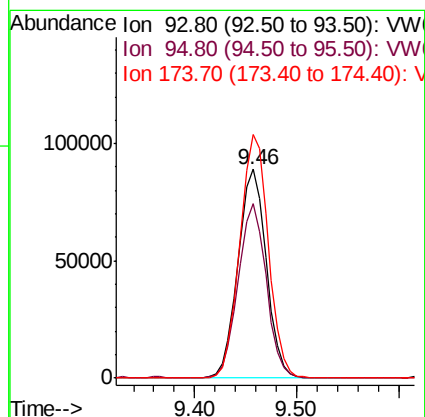
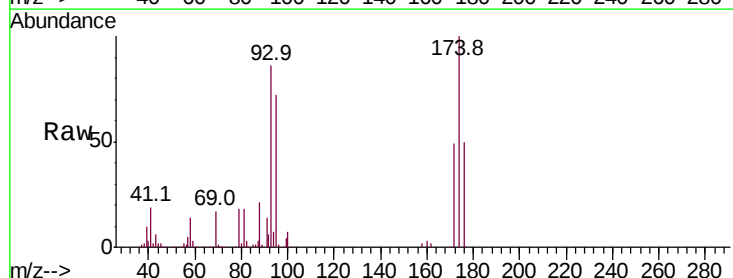
Tgt Ion: 93 Resp: 170461

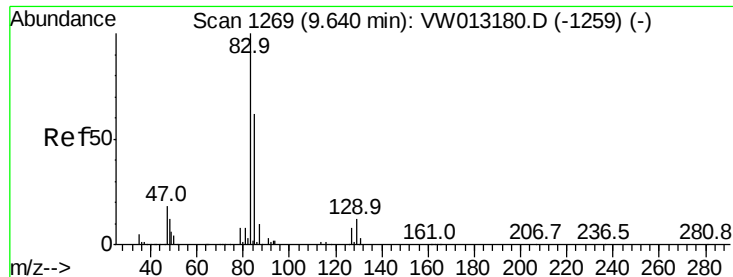
Ion Ratio Lower Upper

93 100

95 83.0 66.4 99.6

174 117.9 93.0 139.6





#47

Bromodichloromethane

Concen: 106.167 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :

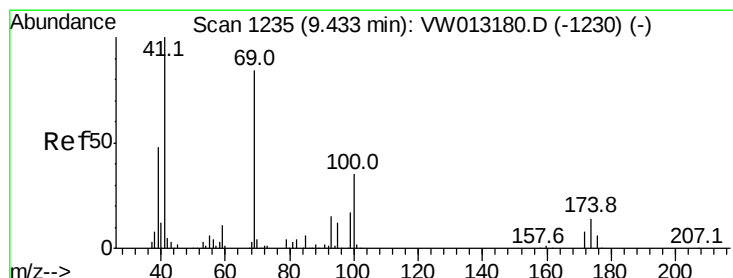
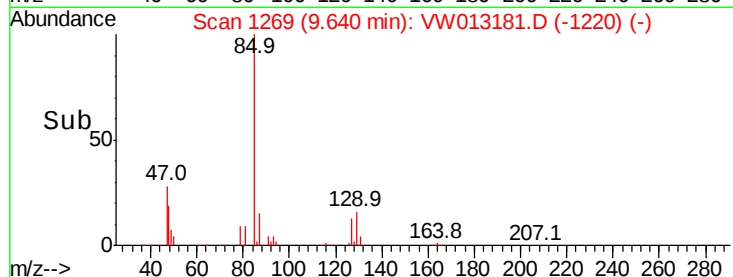
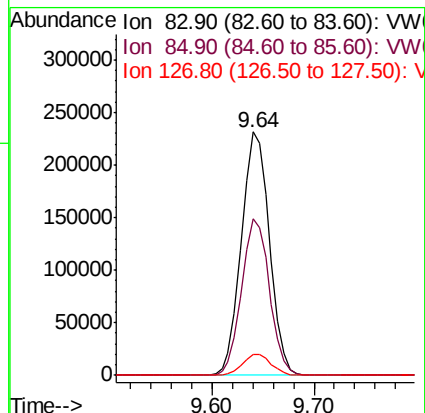
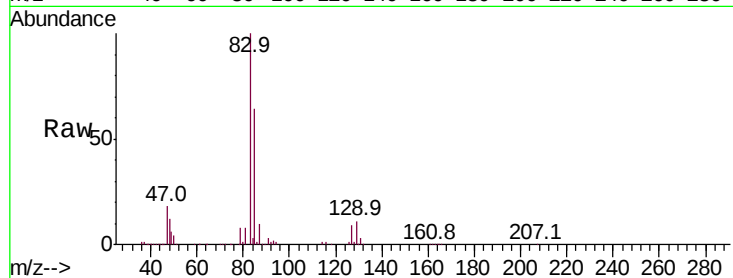
Tot Ion: 83 Resp: 441235

Ion Ratio Lower Upper

83 100

85 64.1 49.4 74.2

127 8.5 6.5 9.7



#48

Methyl methacrylate

Concen: 111.479 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

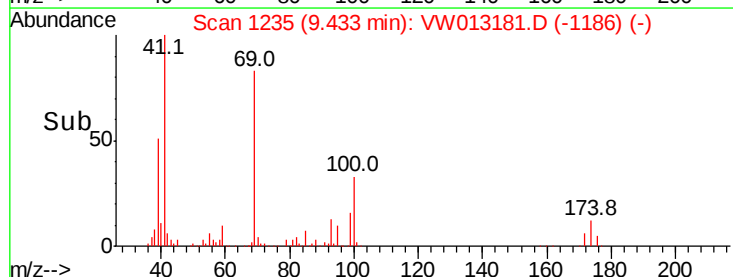
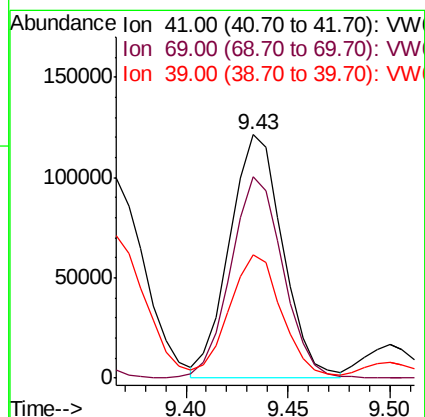
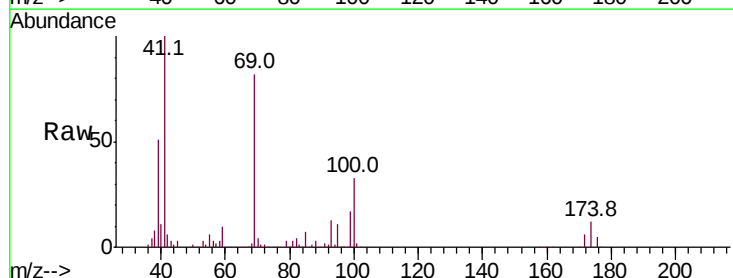
Tgt Ion: 41 Resp: 220070

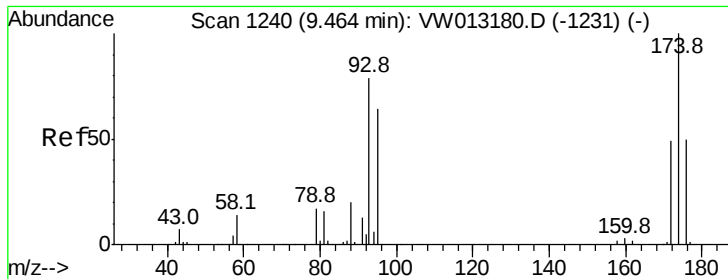
Ion Ratio Lower Upper

41 100

69 80.7 69.7 104.5

39 47.6 41.1 61.7





#49

1,4-Dioxane

Concen: 2114.995 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

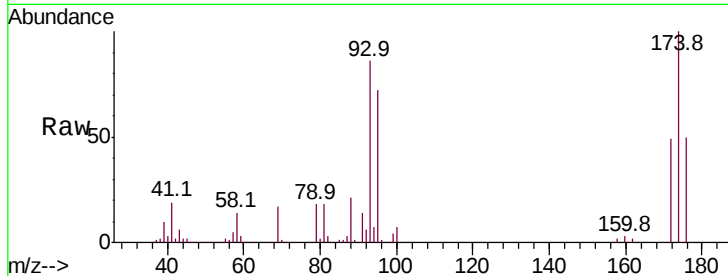
Tot Ion: 88 Resp: 51070

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

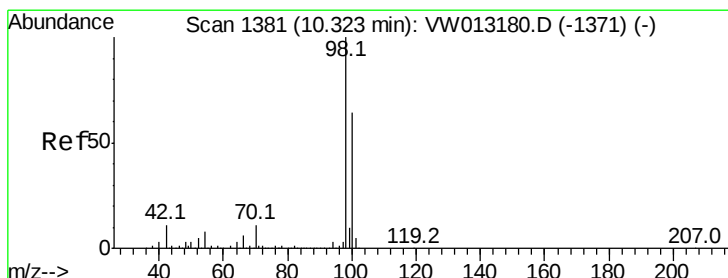
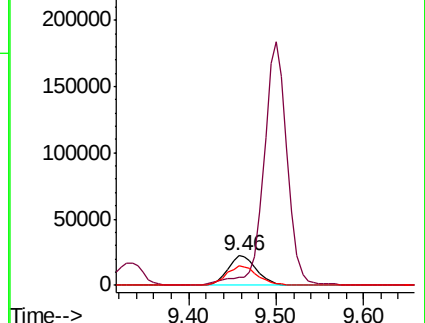
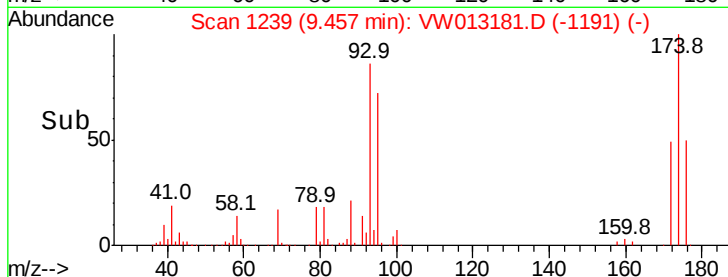
58 72.3 65.4 98.0



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: 108.136 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013181.D

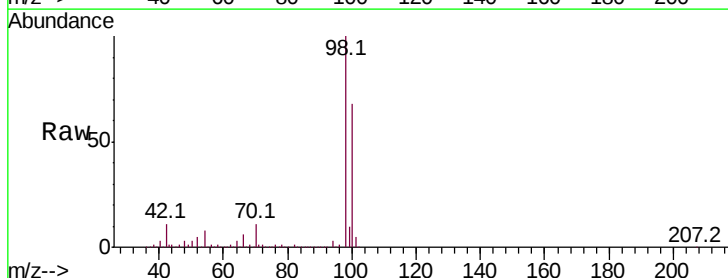
Acq: 20 Sep 2019 14:27

Tgt Ion: 98 Resp: 1205184

Ion Ratio Lower Upper

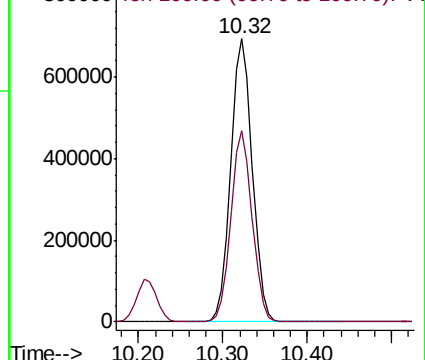
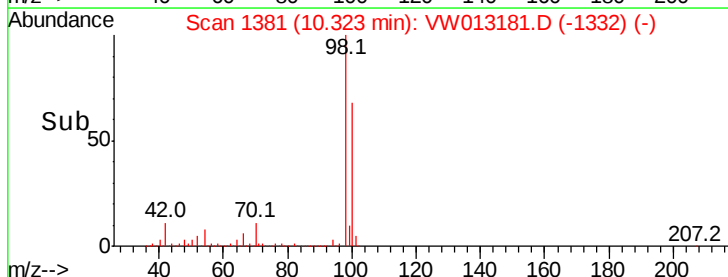
98 100

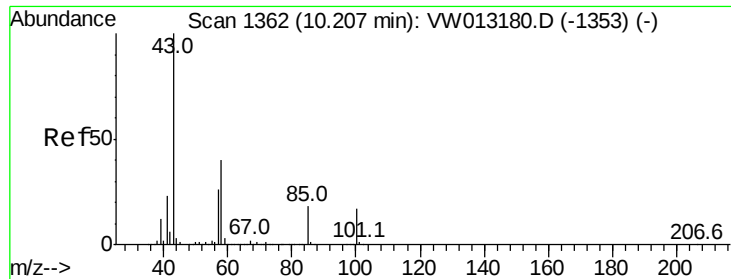
100 66.4 52.9 79.3



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: 502.276 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

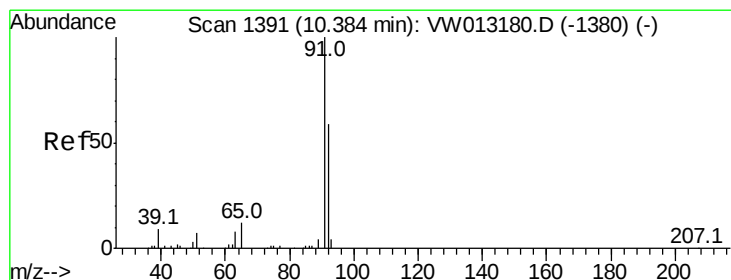
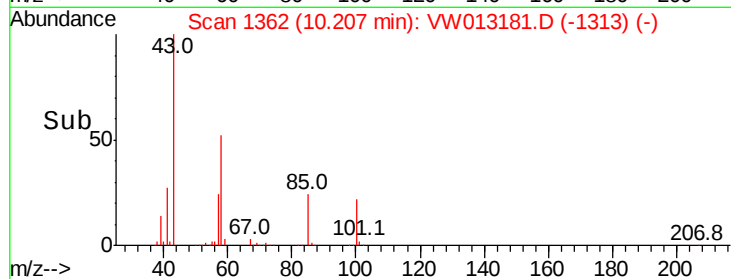
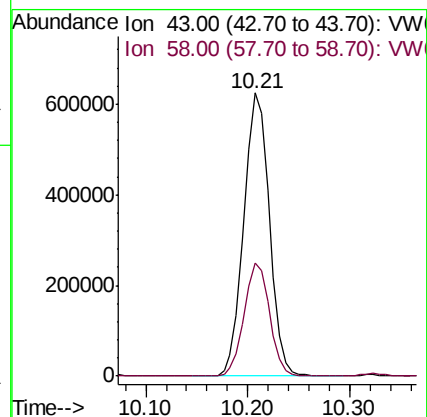
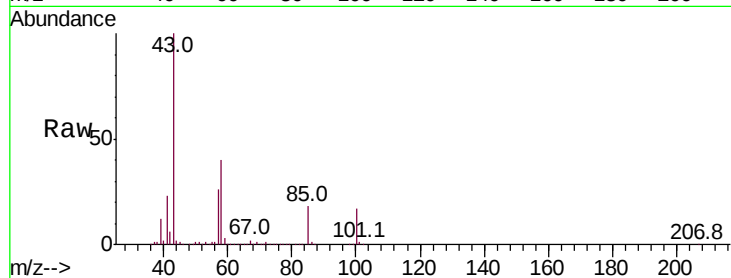
ClientSampleId :

Tot Ion: 43 Resp: 1083790

Ion Ratio Lower Upper

43 100

58 39.8 31.7 47.5



#52

Toluene

Concen: 119.427 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013181.D

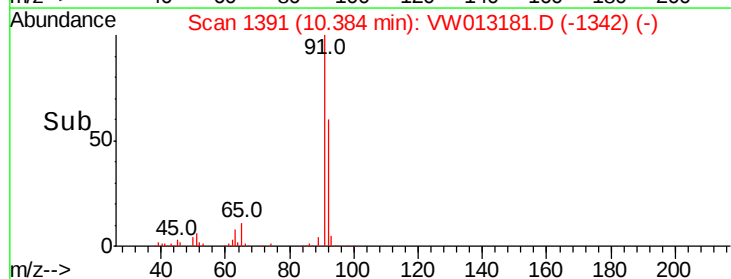
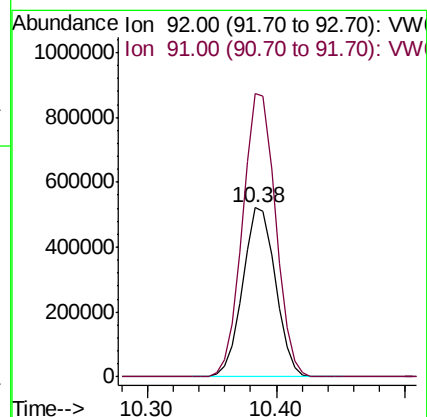
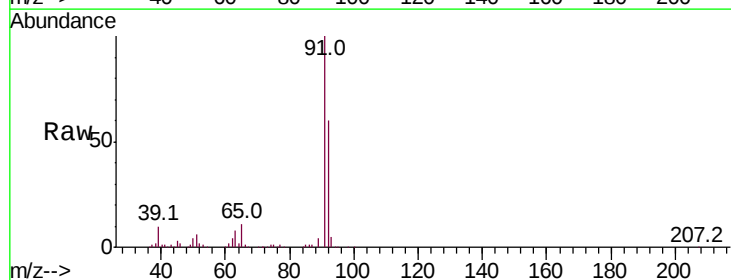
Acq: 20 Sep 2019 14:27

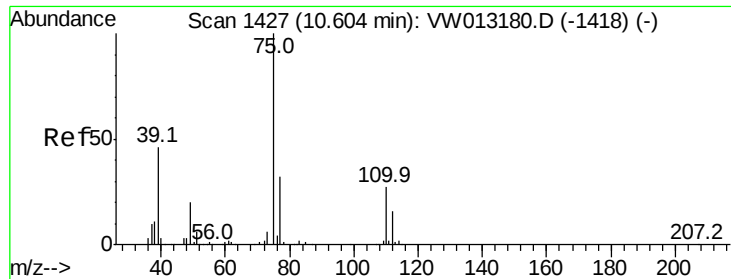
Tgt Ion: 92 Resp: 914038

Ion Ratio Lower Upper

92 100

91 169.4 135.7 203.5

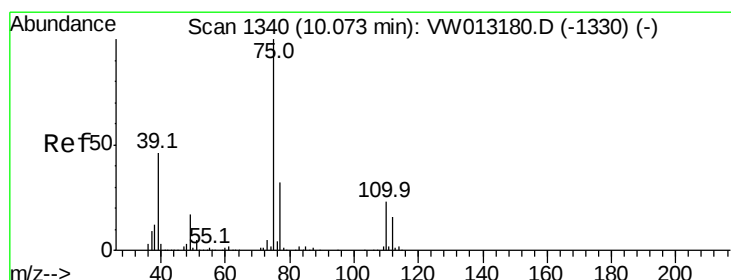
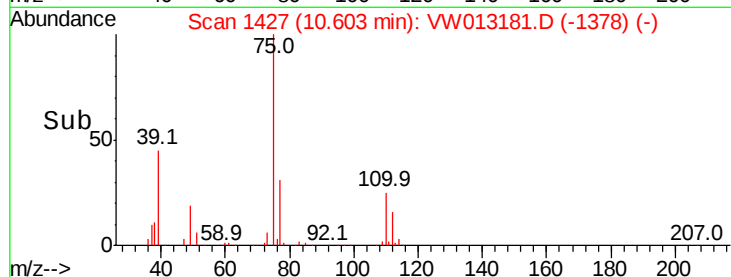
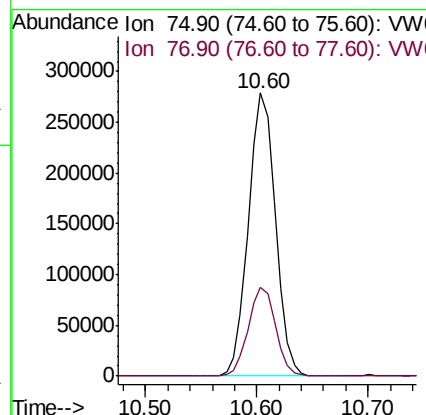
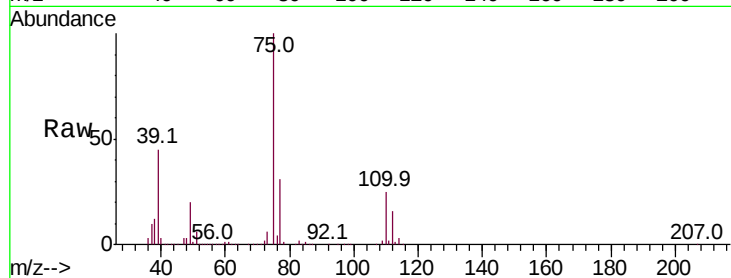




#53
t-1,3-Dichloropropene
Concen: 112.425 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

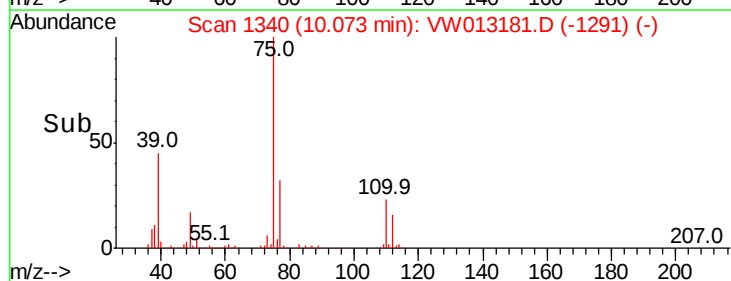
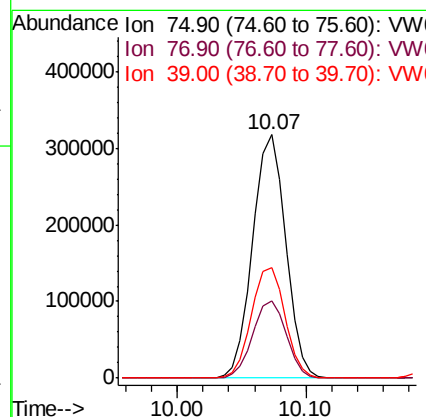
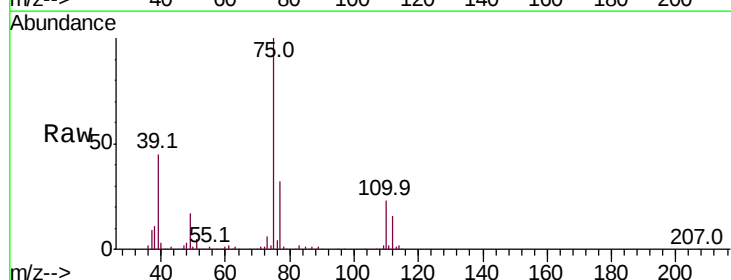
Instrument :
MSVOA_W
ClientSampleId :

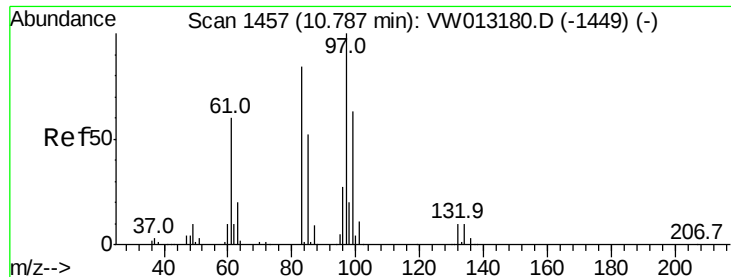
Tot Ion: 75 Resp: 472467
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 116.389 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 75 Resp: 564732
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 45.4 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 111.189 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

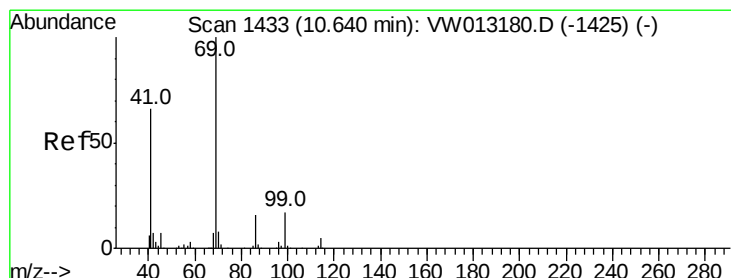
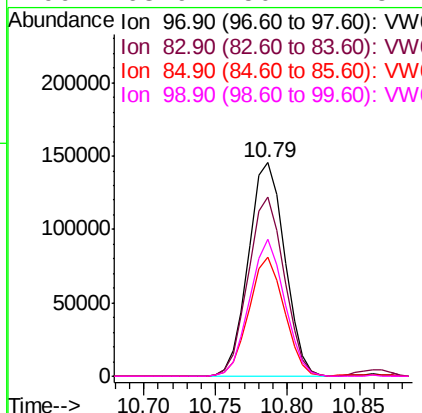
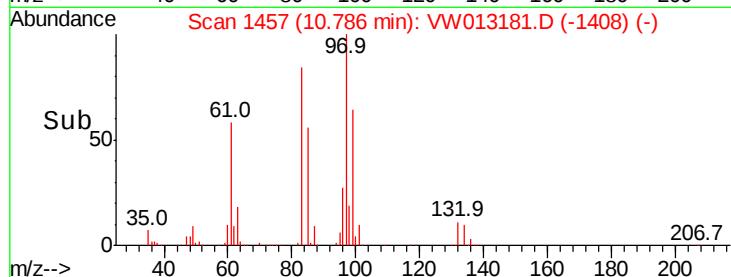
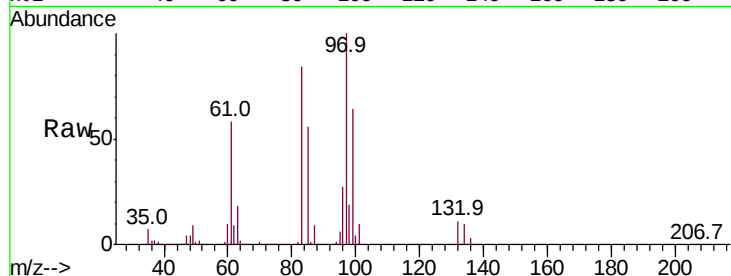
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 254463

Ion	Ratio	Lower	Upper
97	100		
83	83.7	67.6	101.4
85	55.6	41.9	62.9
99	63.9	50.1	75.1



#56

Ethyl methacrylate

Concen: 116.582 ug/l

RT: 10.65 min Scan# 1434

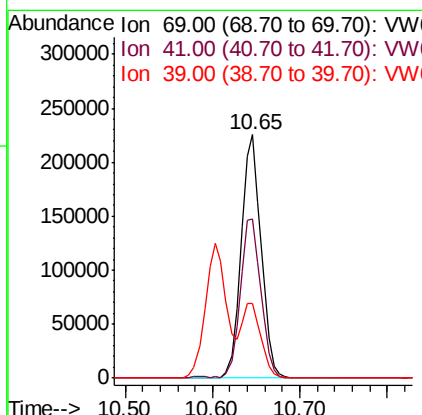
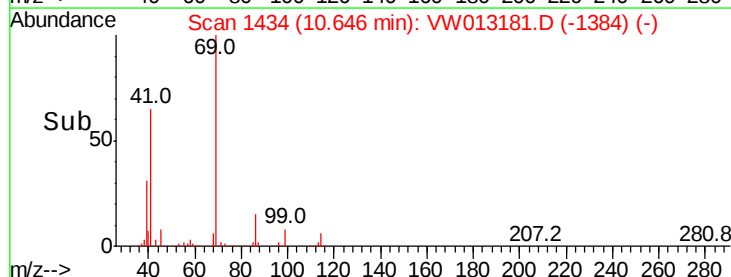
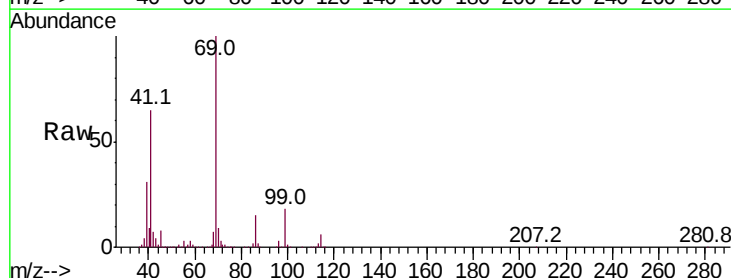
Delta R.T. 0.01 min

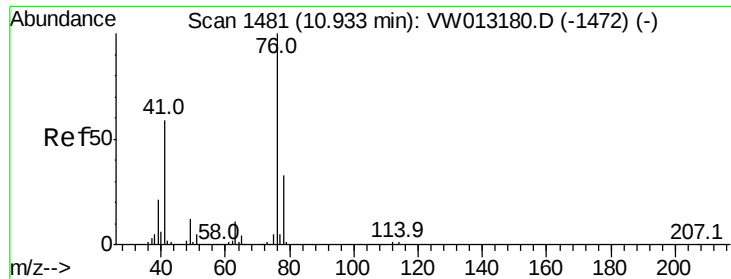
Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion: 69 Resp: 357002

Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.9	80.9
39	29.4	23.8	35.6





#57

1,3-Dichloropropane

Concen: 108.926 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

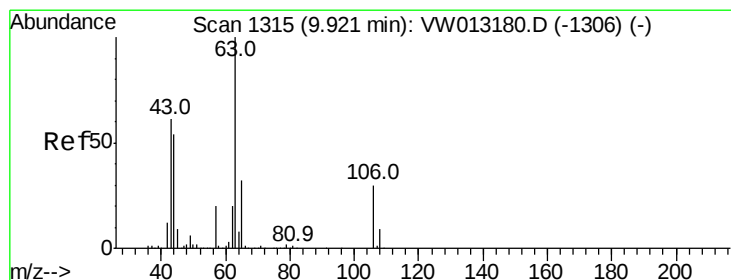
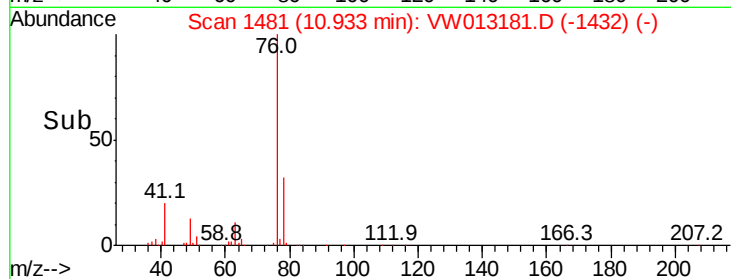
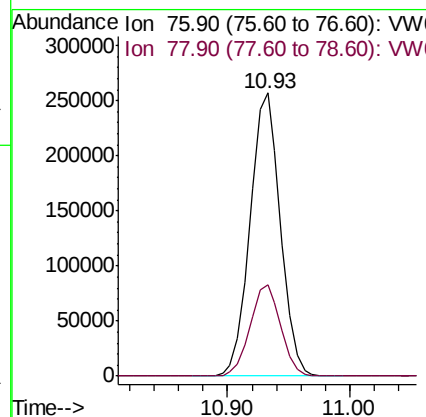
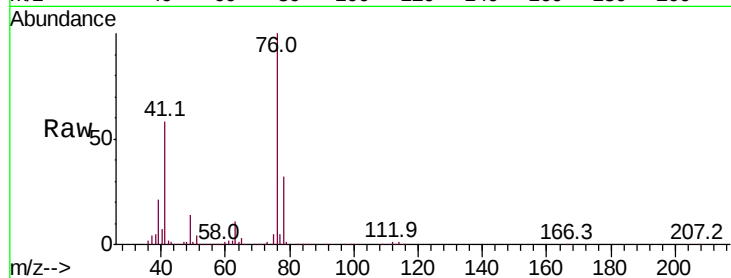
Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 76 Resp: 441021

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3



#58

2-Chloroethyl Vinyl ether

Concen: 496.115 ug/l

RT: 9.92 min Scan# 1315

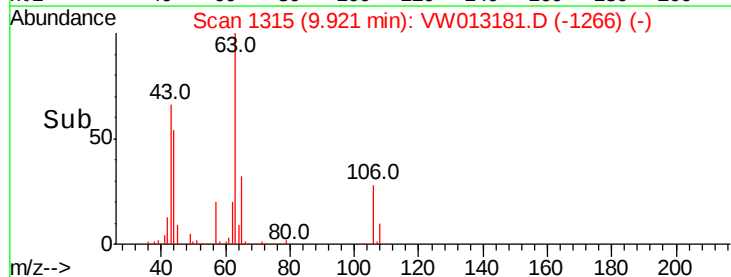
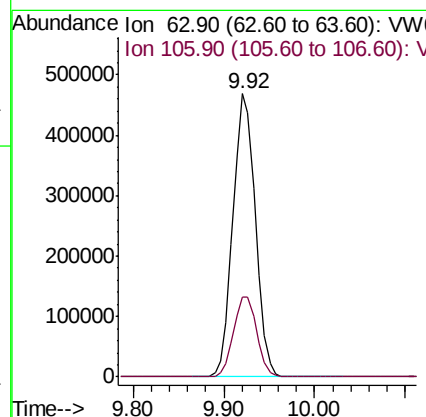
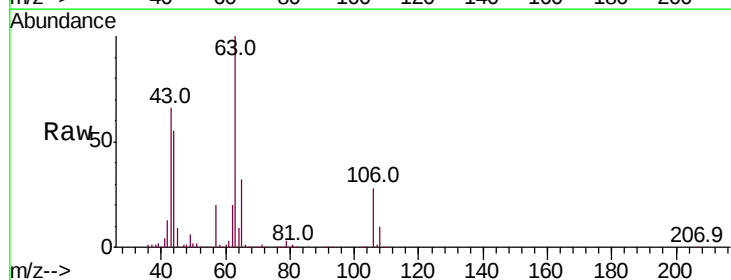
Delta R.T. -0.00 min

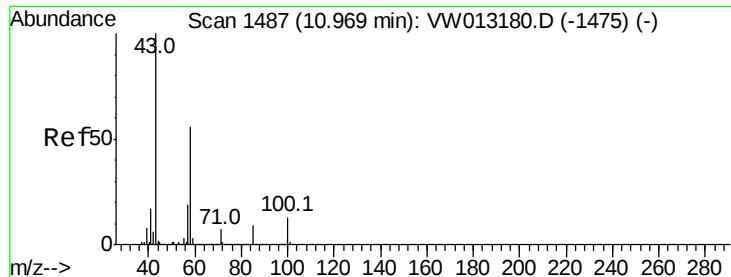
Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion: 63 Resp: 803707

Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.4	35.0

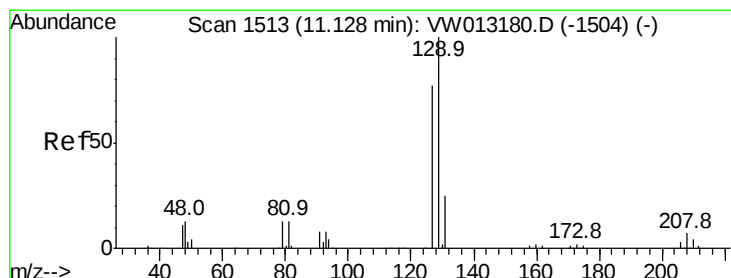
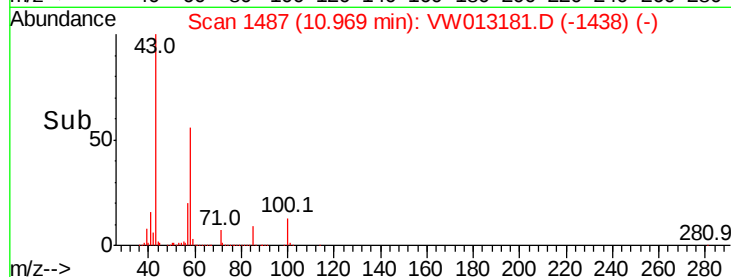
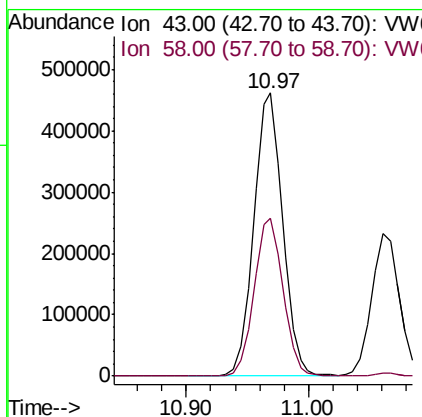
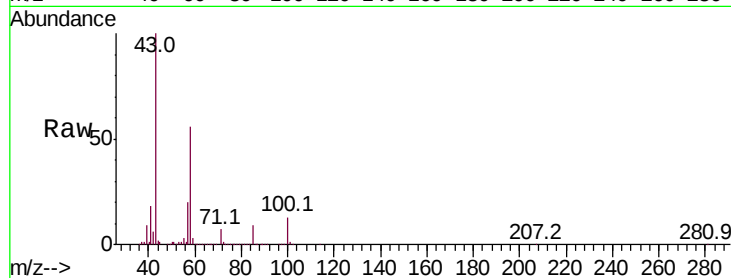




#59
2-Hexanone
Concen: 508.676 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

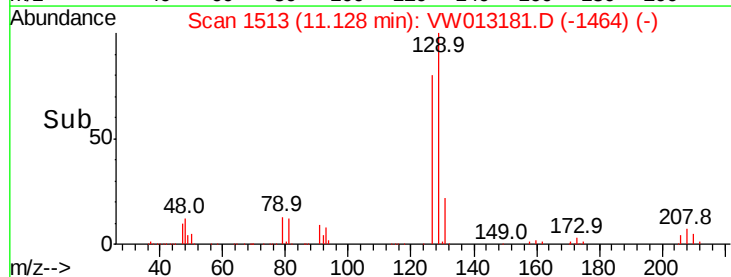
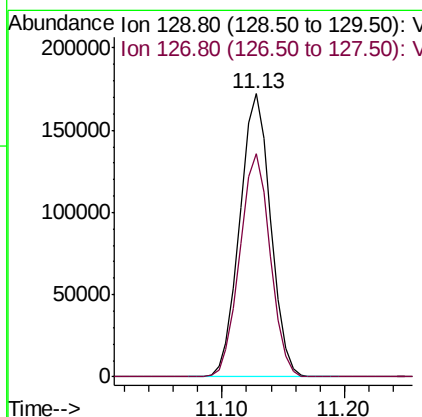
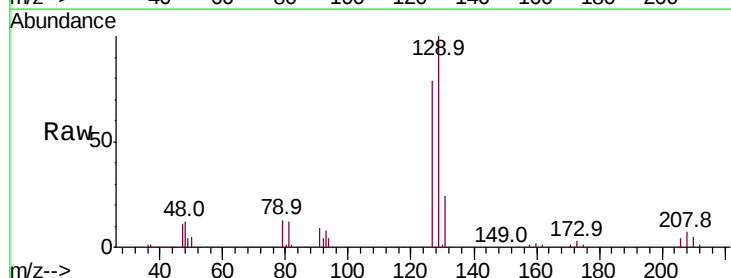
Instrument :
MSVOA_W
ClientSampled :

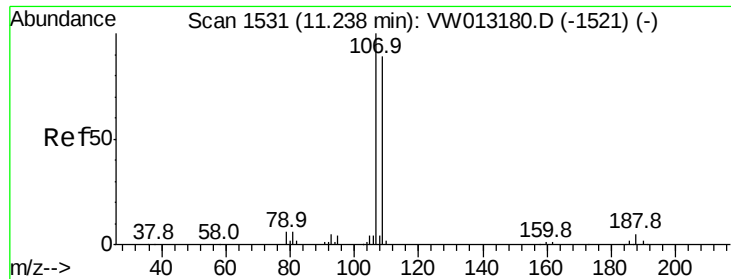
Tot Ion: 43 Resp: 760254
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.2



#60
Dibromochloromethane
Concen: 110.407 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 129 Resp: 301790
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 116.245 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

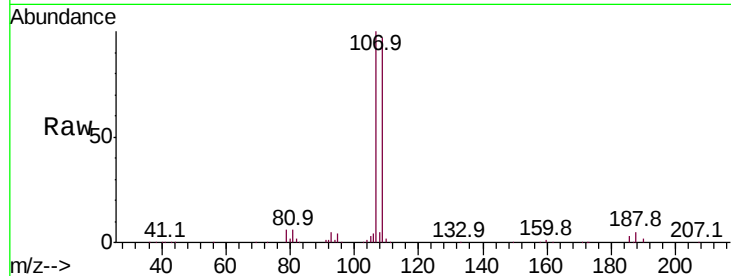
ClientSampleId :

Tot Ion:107 Resp: 243454

Ion Ratio Lower Upper

107 100

109 95.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

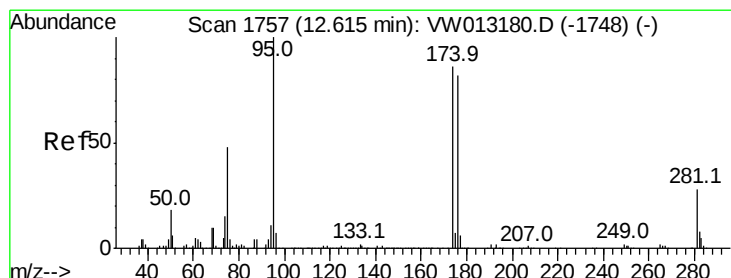
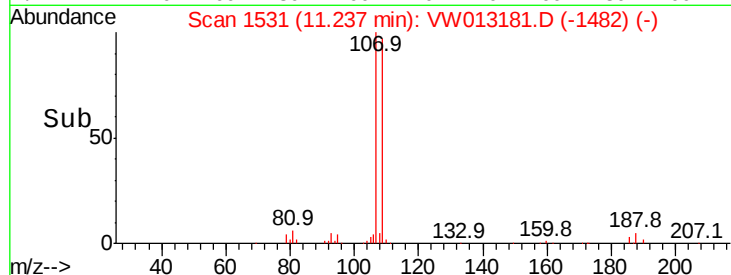
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 103.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

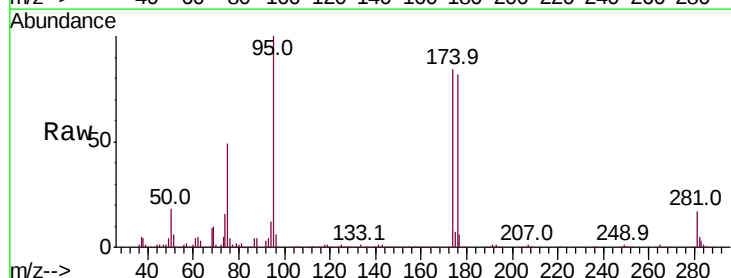
Tgt Ion: 95 Resp: 413902

Ion Ratio Lower Upper

95 100

174 87.9 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

12.62

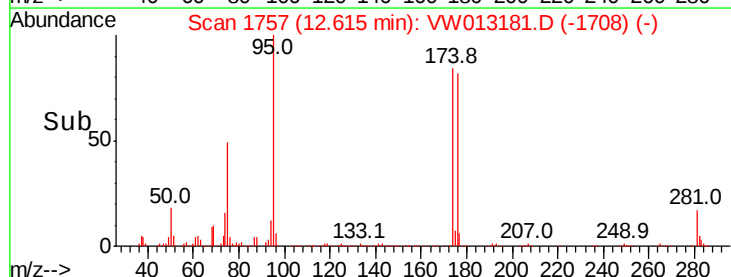
300000

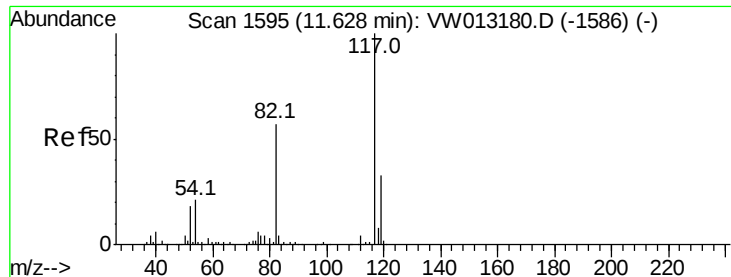
200000

100000

0

Time-->

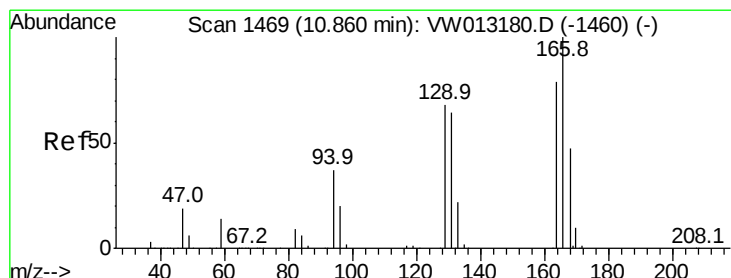
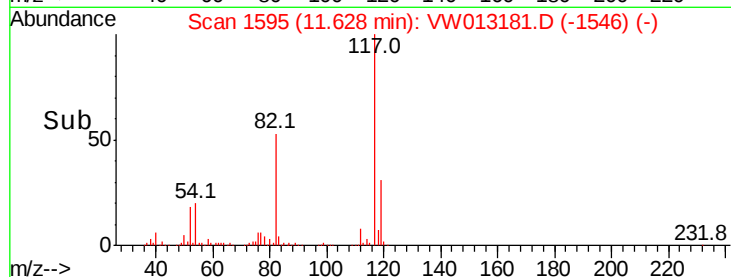
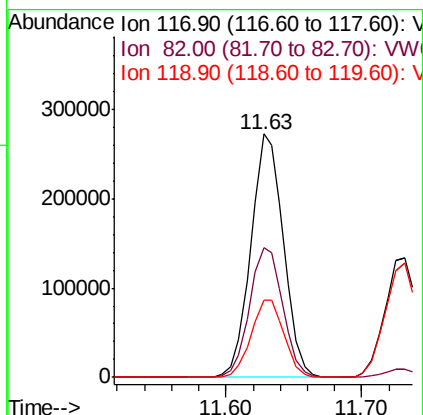
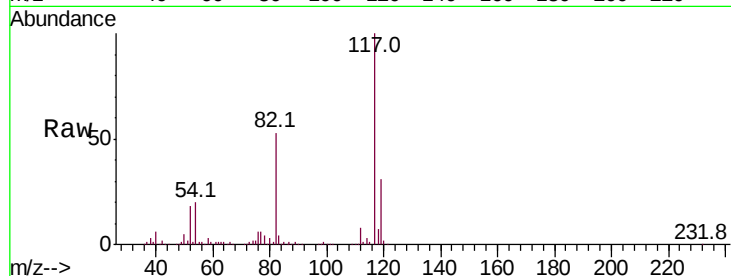




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

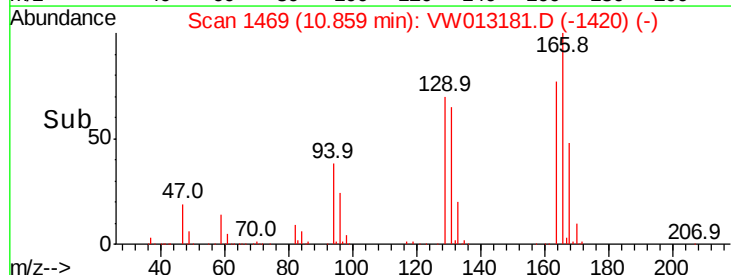
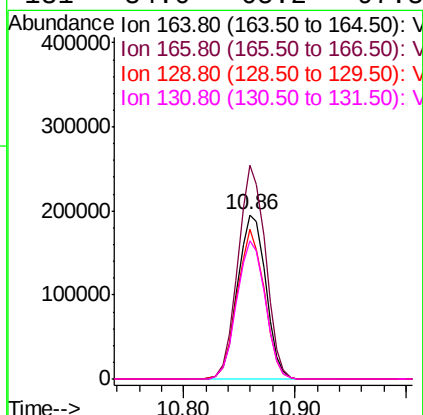
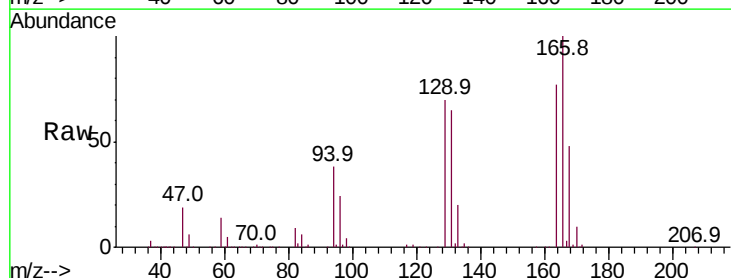
Instrument :
MSVOA_W
ClientSampleId :

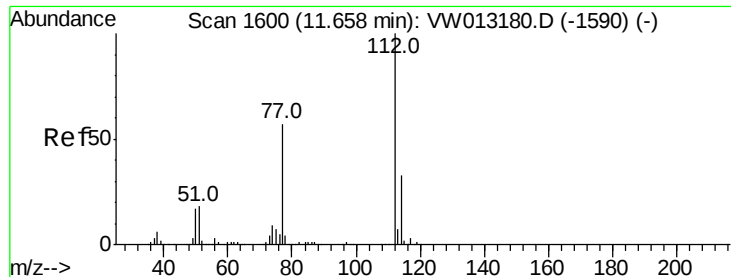
Tot Ion:117 Resp: 457092
Ion Ratio Lower Upper
117 100
82 53.4 45.9 68.9
119 31.5 26.2 39.2



#64
Tetrachloroethene
Concen: 121.052 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion:164 Resp: 343861
Ion Ratio Lower Upper
164 100
166 130.1 101.2 151.8
129 91.1 68.8 103.2
131 84.0 65.2 97.8

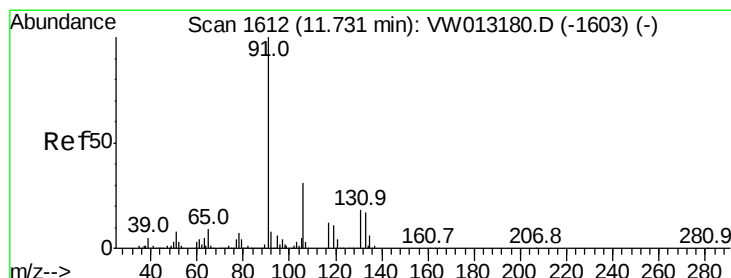
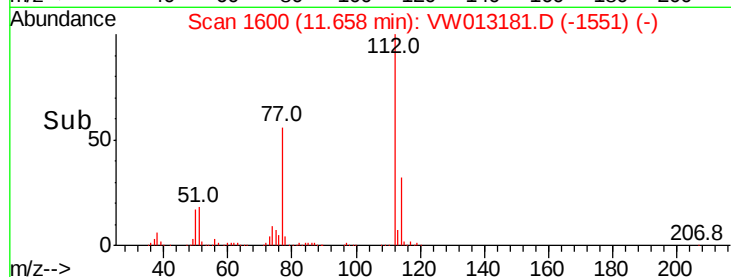
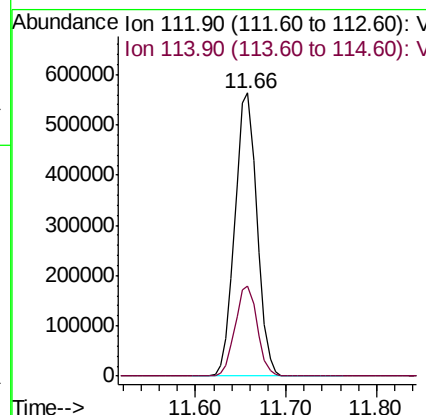
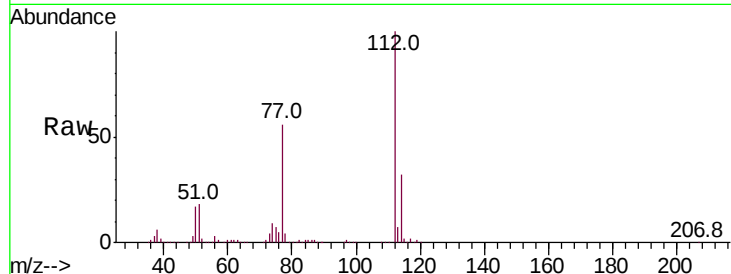




#65
Chlorobenzene
Concen: 114.089 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

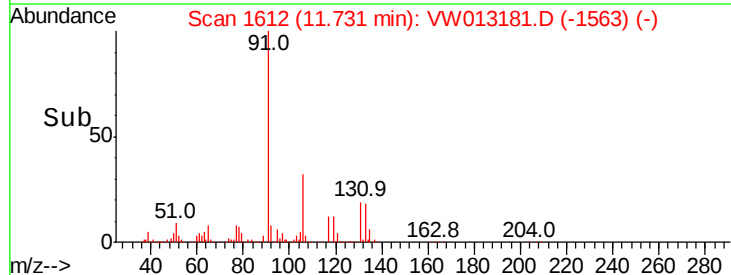
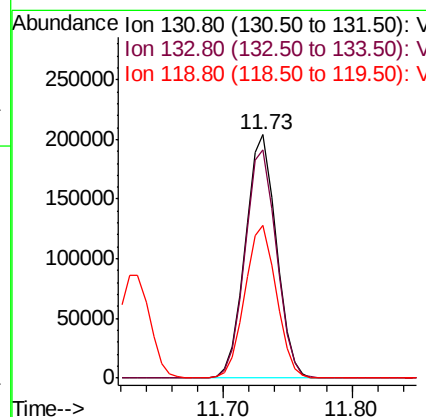
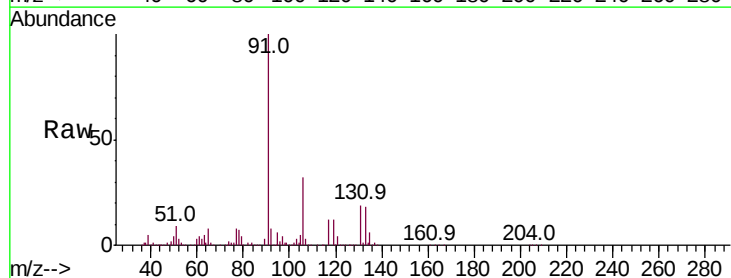
Instrument :
MSVOA_W
ClientSampleId :

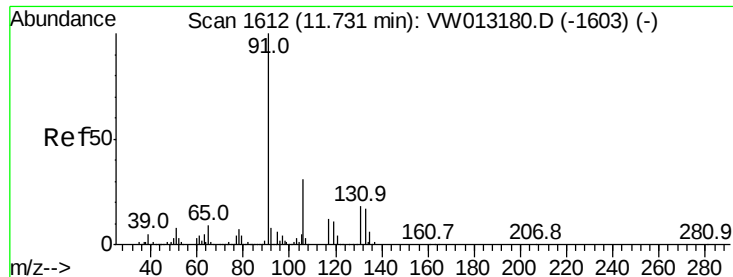
Tot Ion:112 Resp: 952747
Ion Ratio Lower Upper
112 100
114 31.7 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 107.917 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion:131 Resp: 338387
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 64.0 32.5 97.5





#67

Ethyl Benzene

Concen: 113.632 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

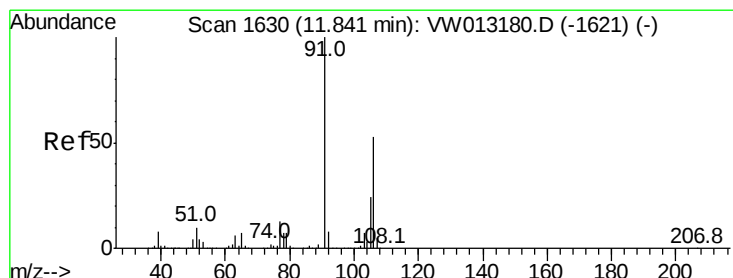
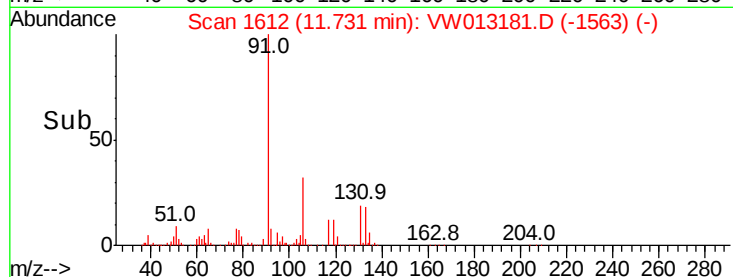
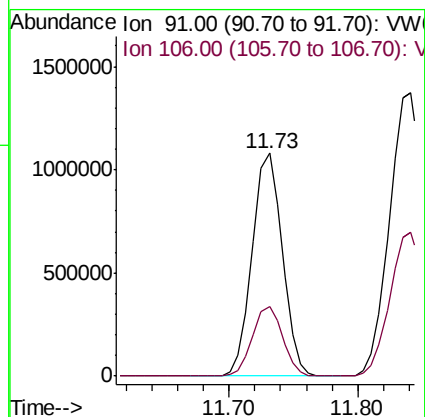
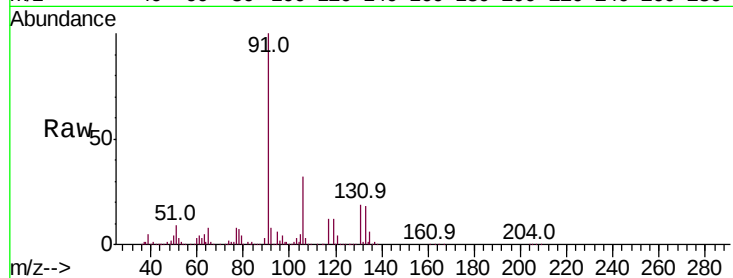
ClientSampleId :

Tot Ion: 91 Resp: 1745841

Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



#68

m/p-Xylenes

Concen: 234.773 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013181.D

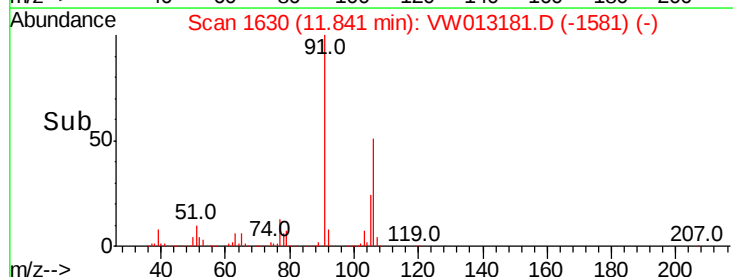
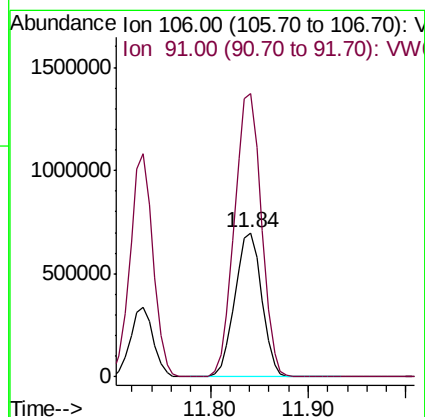
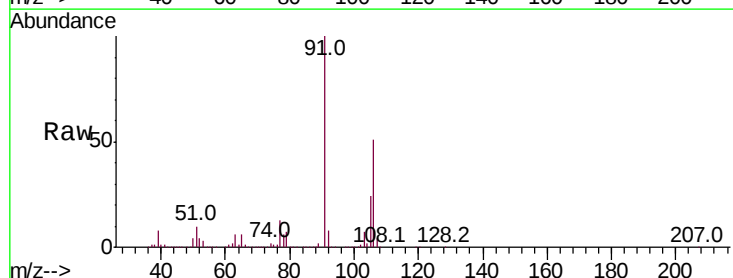
Acq: 20 Sep 2019 14:27

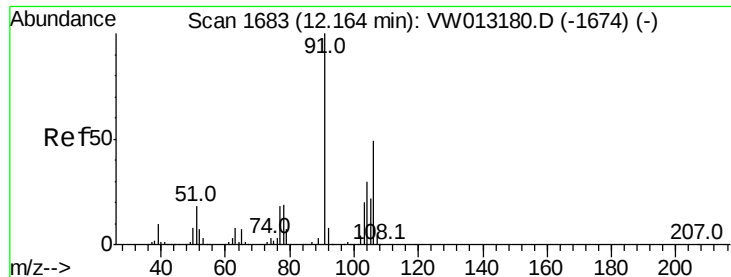
Tgt Ion:106 Resp: 1329230

Ion Ratio Lower Upper

106 100

91 197.3 157.9 236.9

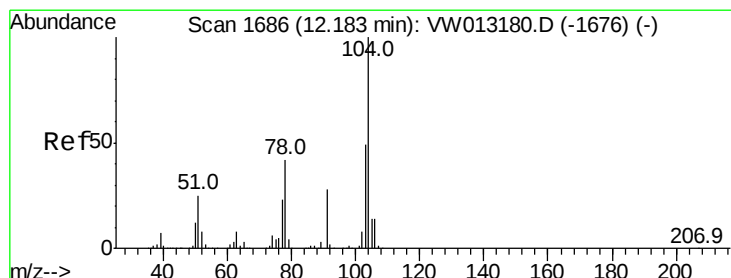
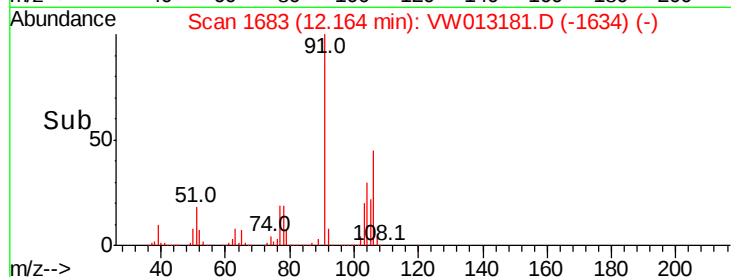
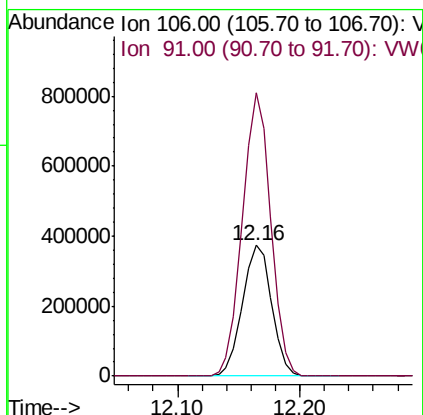
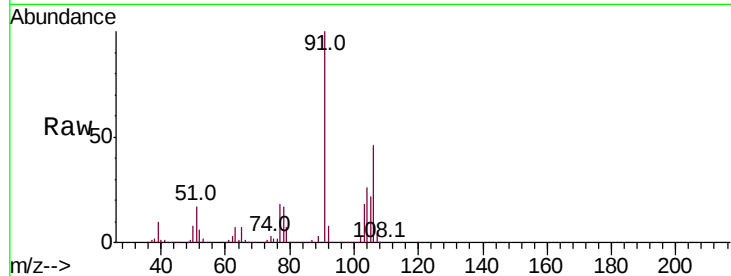




#69
o-Xylene
Concen: 117.192 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

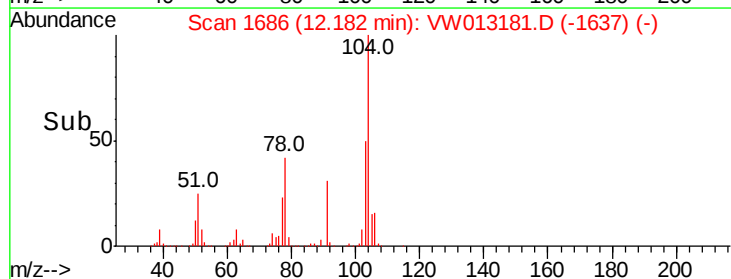
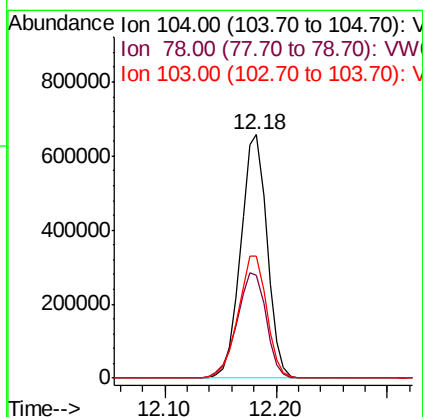
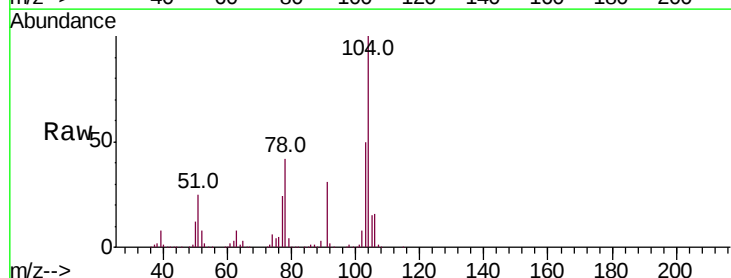
Instrument :
MSVOA_W
ClientSampleId :

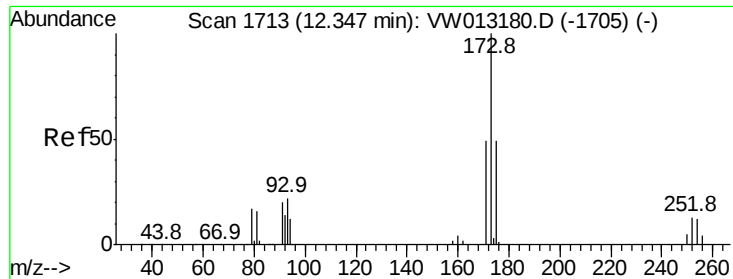
Tot Ion:106 Resp: 620290
Ion Ratio Lower Upper
106 100
91 210.3 106.5 319.5



#70
Styrene
Concen: 114.400 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion:104 Resp: 1073044
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 54.6 43.3 64.9





#71

Bromoform

Concen: 111.009 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampled :

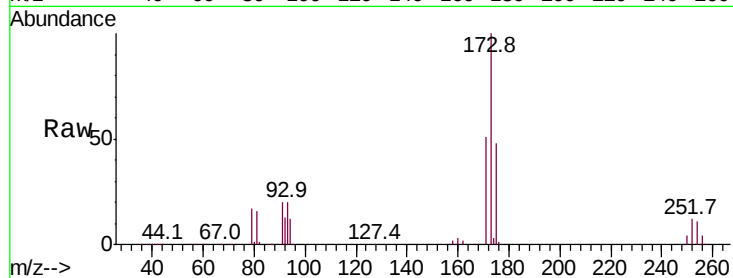
Tot Ion:173 Resp: 181859

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

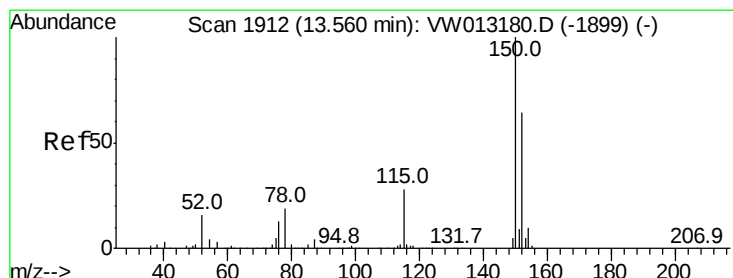
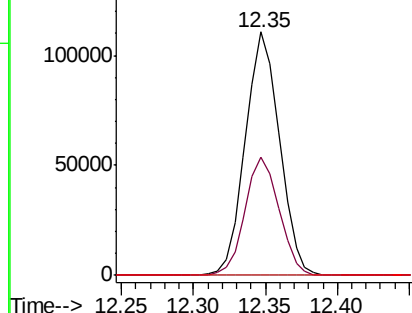
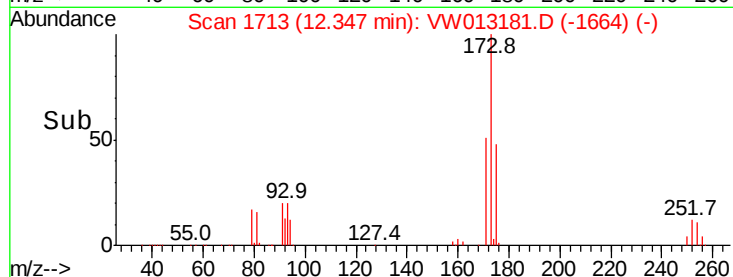
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

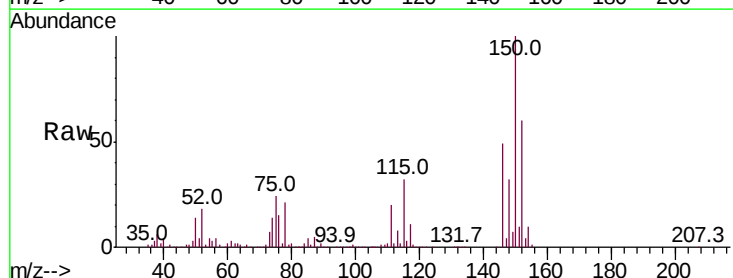
Tgt Ion:152 Resp: 226889

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.9

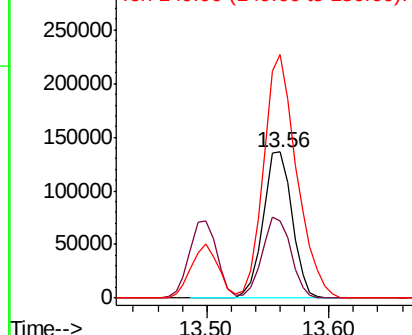
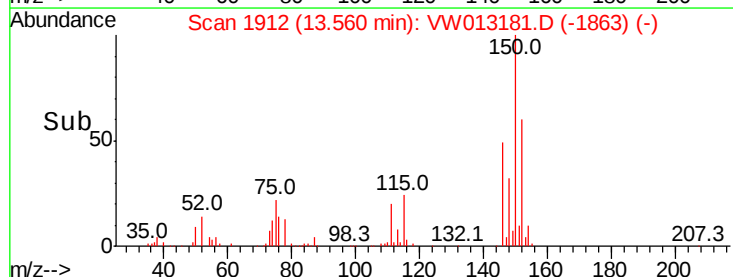
150 188.9 0.0 349.0

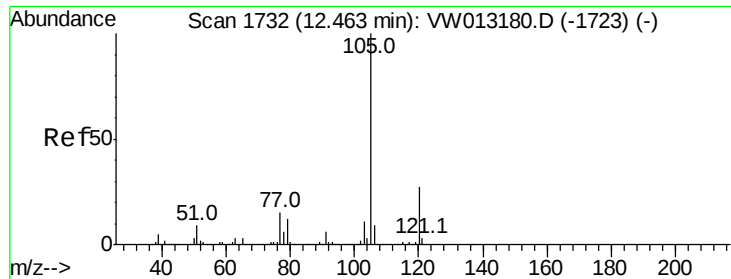


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 112.131 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

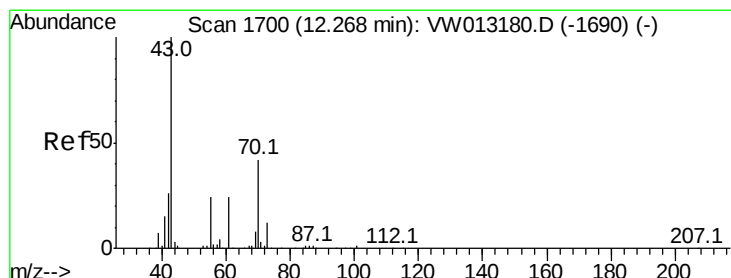
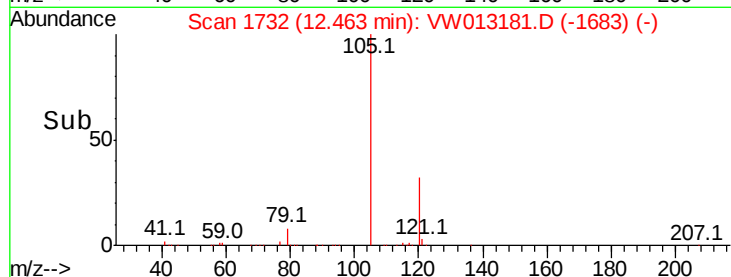
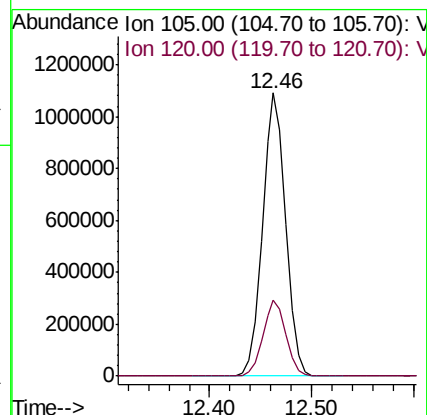
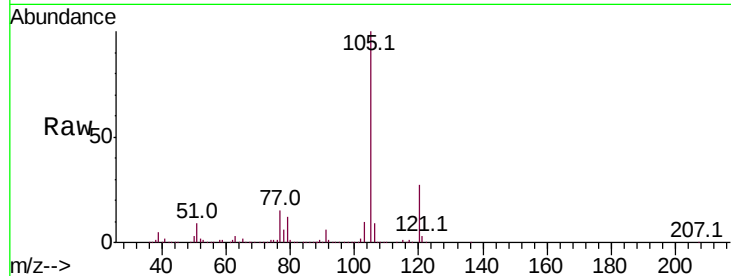
ClientSampleId :

Tot Ion:105 Resp: 1713236

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.1



#74

N-ethyl acetate

Concen: 104.020 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion: 43 Resp: 398444

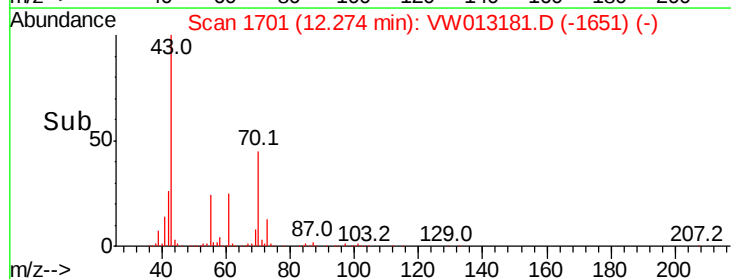
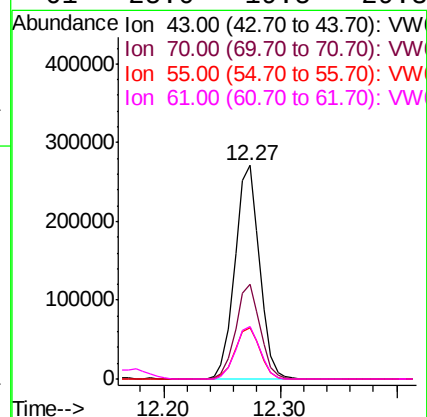
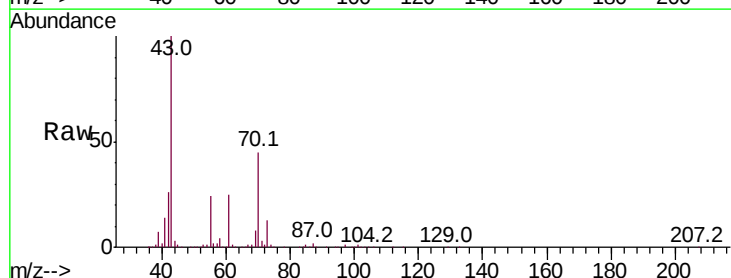
Ion Ratio Lower Upper

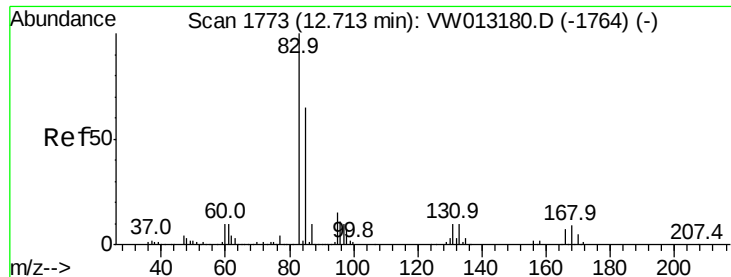
43 100

70 44.1 35.1 52.7

55 24.6 19.9 29.9

61 25.0 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 107.086 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

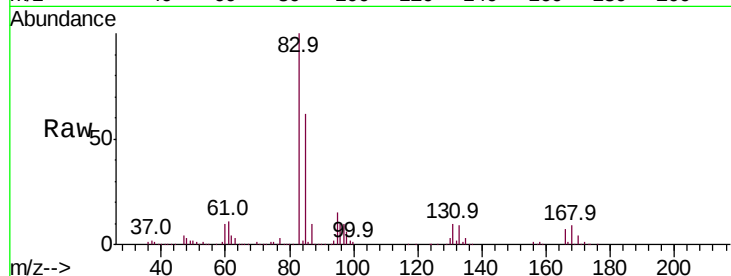
Tot Ion: 83 Resp: 282814

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

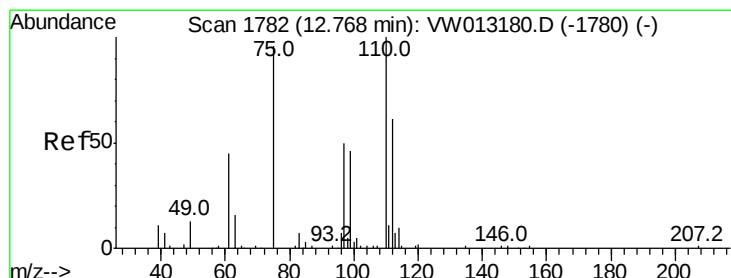
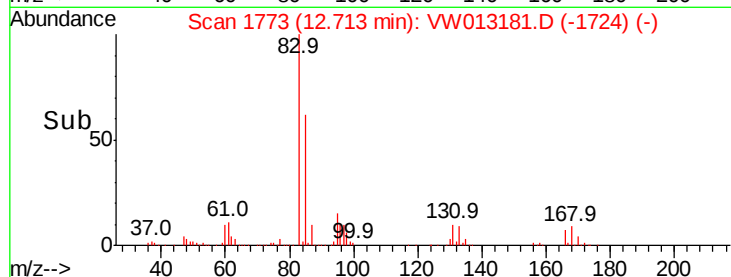
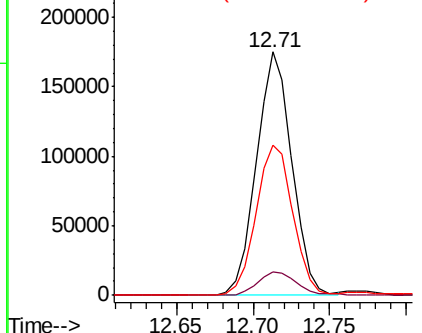
85 63.8 31.9 95.9



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: 185.385 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013181.D

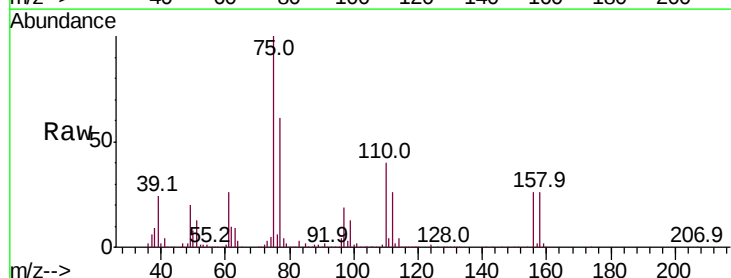
Acq: 20 Sep 2019 14:27

Tgt Ion: 75 Resp: 366944

Ion Ratio Lower Upper

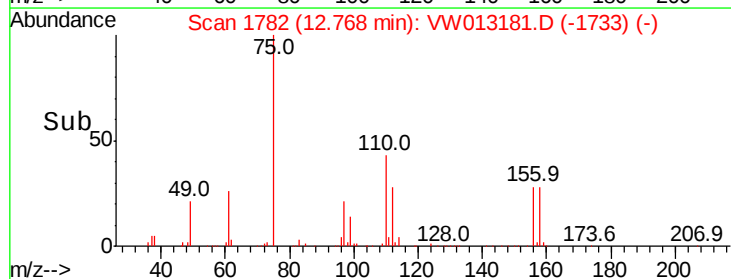
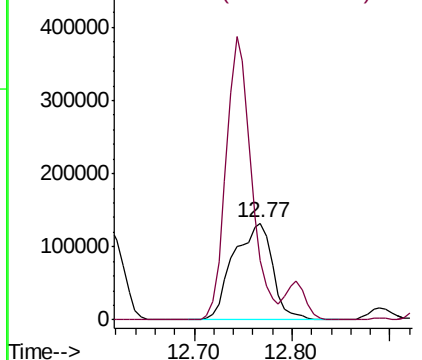
75 100

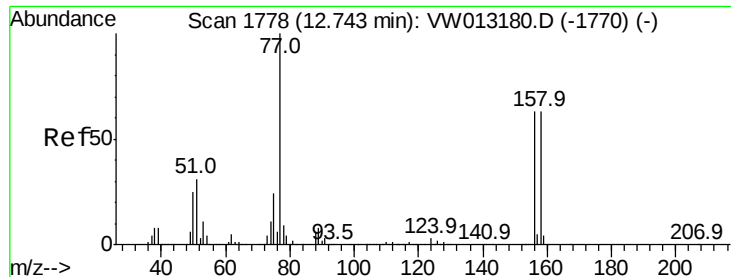
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 112.784 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampled :

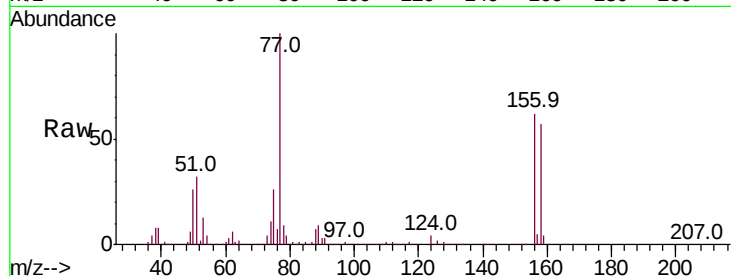
Tot Ion:156 Resp: 401456

Ion Ratio Lower Upper

156 100

77 174.8 85.7 257.1

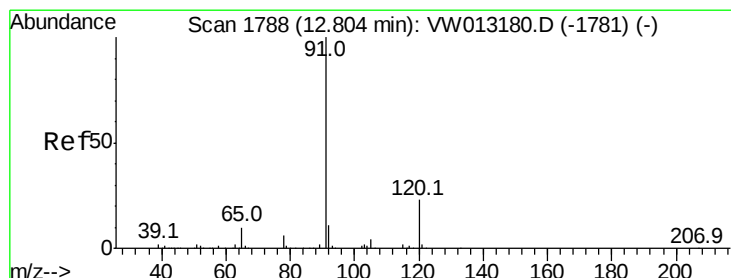
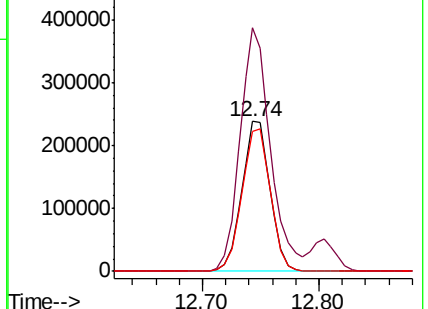
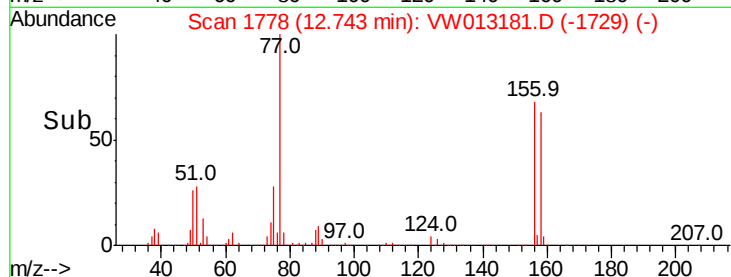
158 96.2 48.1 144.4



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: 111.510 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013181.D

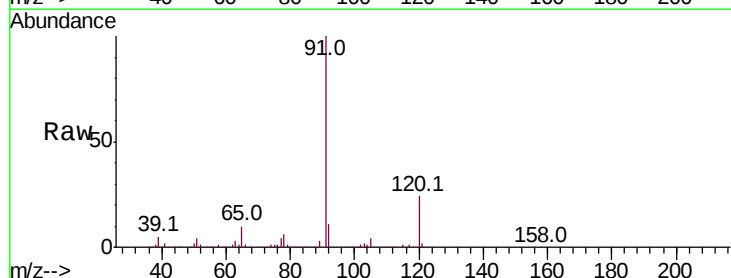
Acq: 20 Sep 2019 14:27

Tgt Ion: 91 Resp: 2002805

Ion Ratio Lower Upper

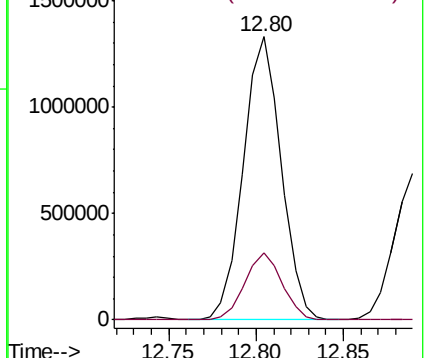
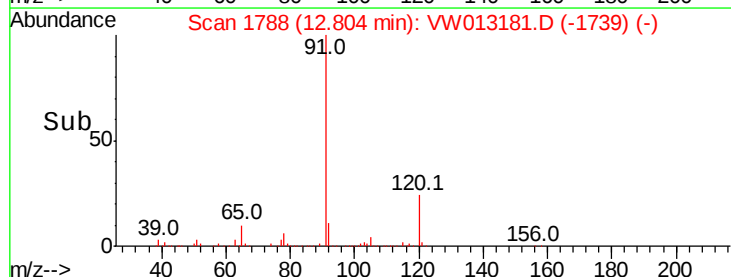
91 100

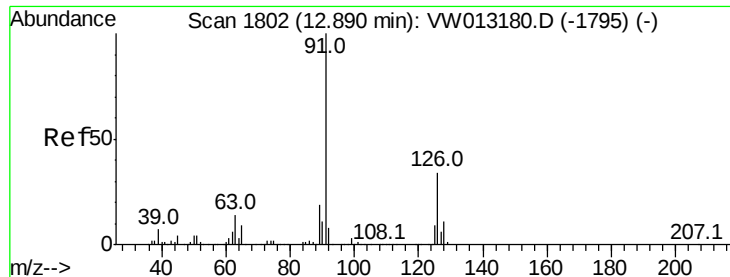
120 23.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

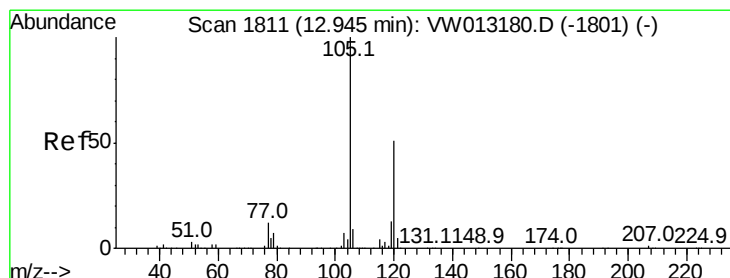
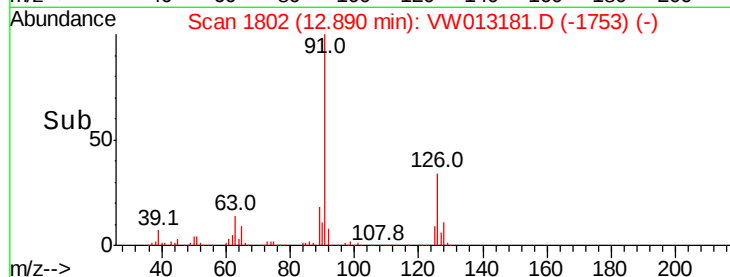
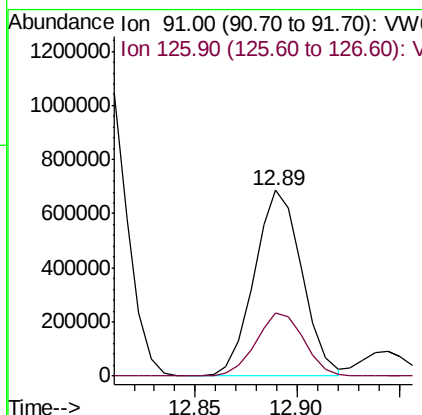
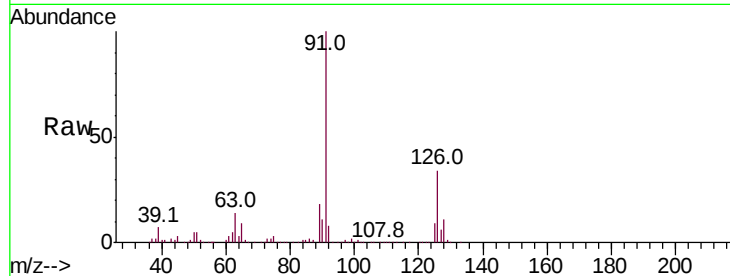




#79
 2-Chlorotoluene
 Concen: 108.108 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

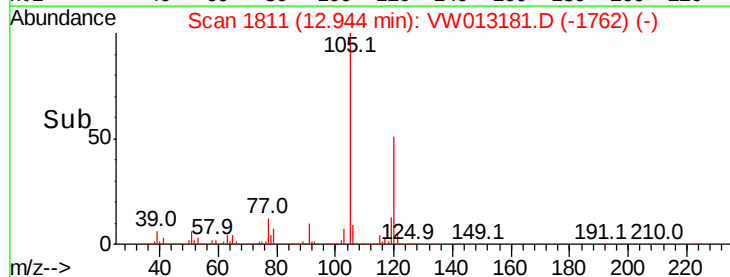
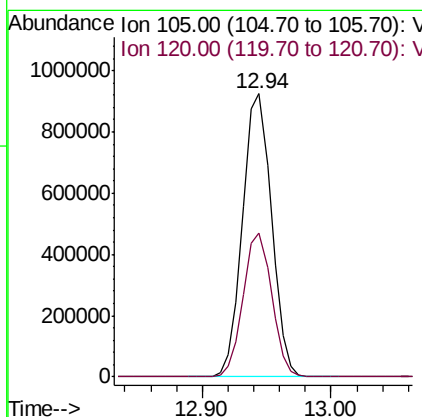
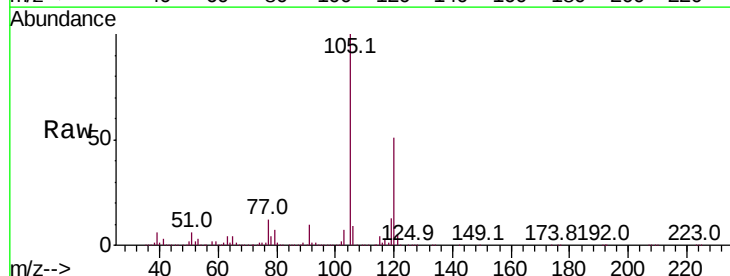
Instrument :
 MSVOA_W
 ClientSampleId :

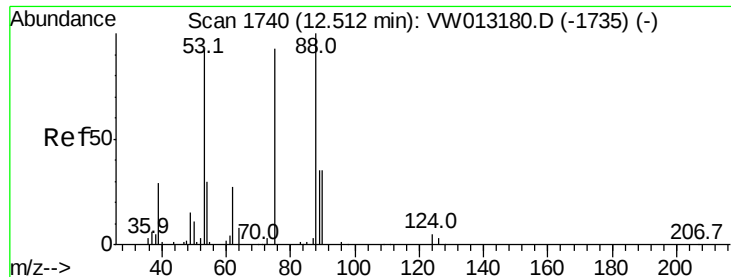
Tot Ion: 91 Resp: 1112397
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 110.917 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion:105 Resp: 1435571
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.9 74.8

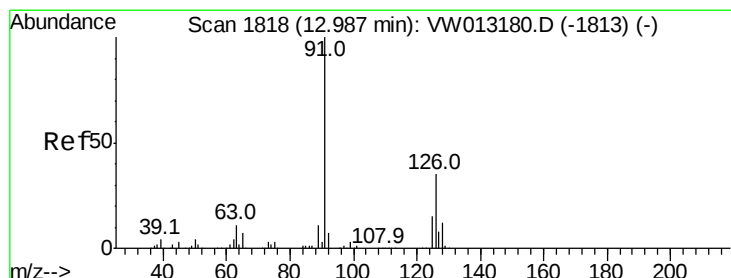
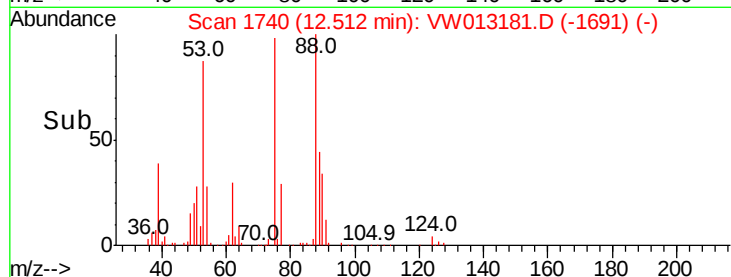
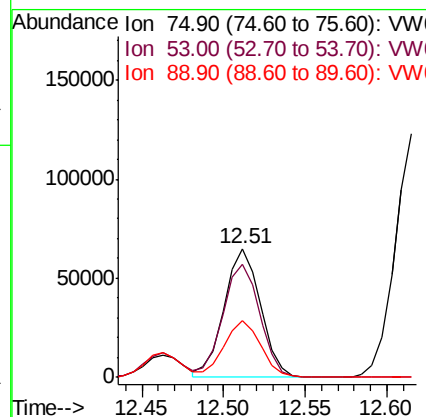
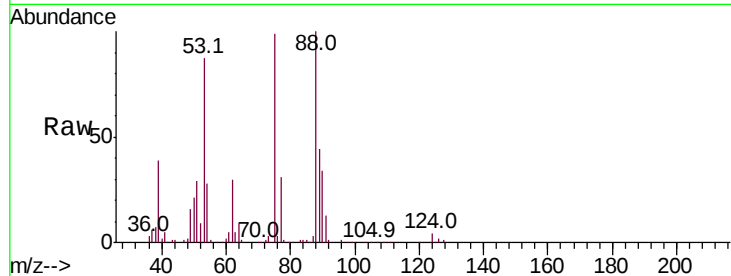




#81
trans-1,4-Dichloro-2-butene
Concen: 114.127 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

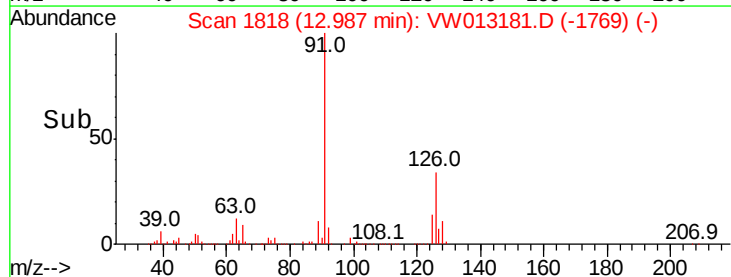
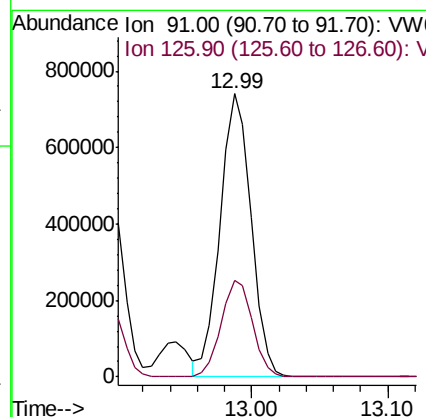
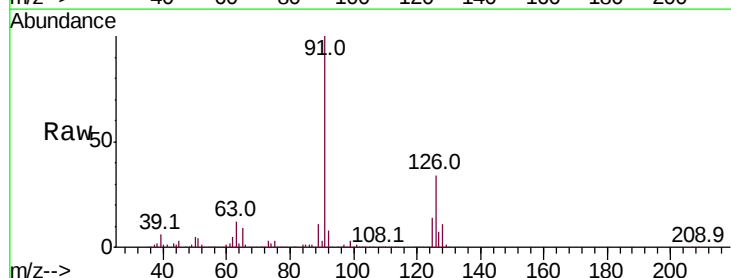
Instrument :
MSVOA_W
ClientSampleId :

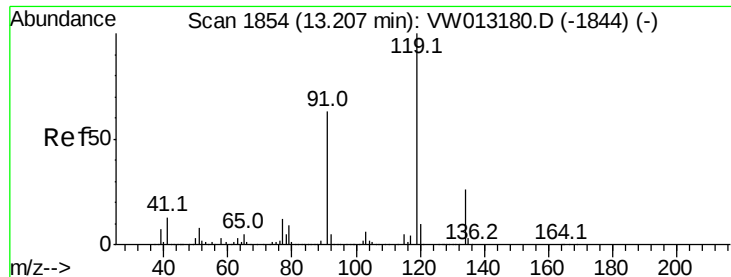
Tot Ion: 75 Resp: 99829
Ion Ratio Lower Upper
75 100
53 89.8 76.6 114.8
89 44.5 33.5 50.3



#82
4-Chlorotoluene
Concen: 108.017 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 91 Resp: 1166490
Ion Ratio Lower Upper
91 100
126 34.5 17.3 51.7

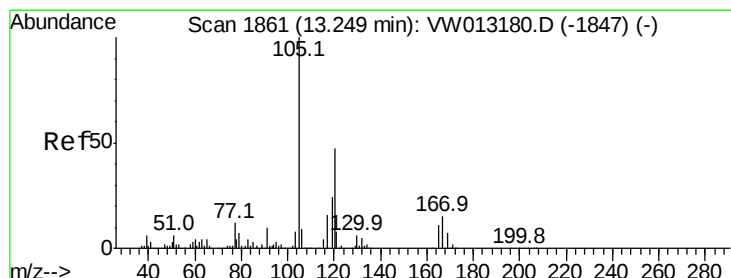
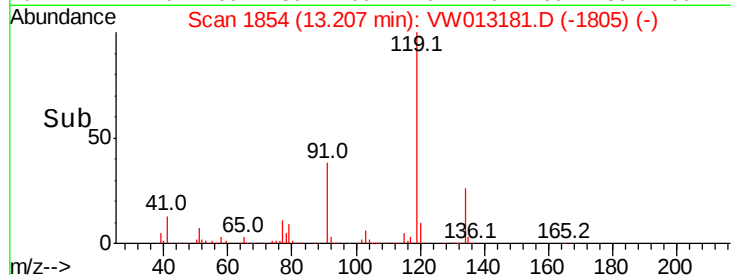
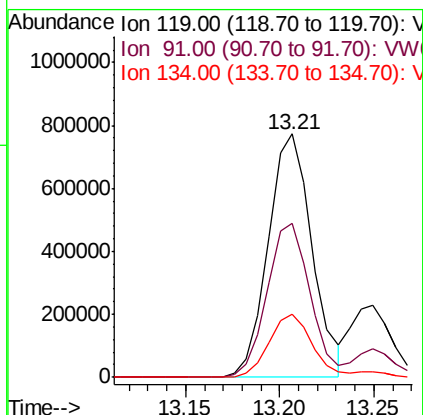
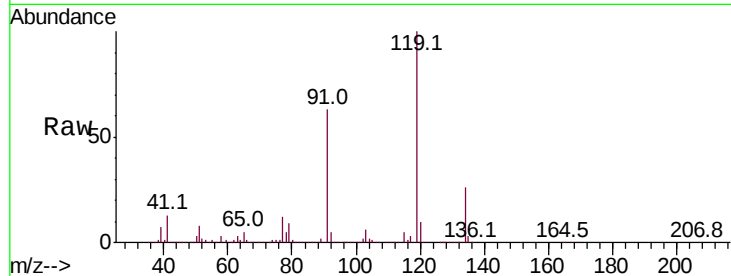




#83
tert-Butylbenzene
Concen: 108.512 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

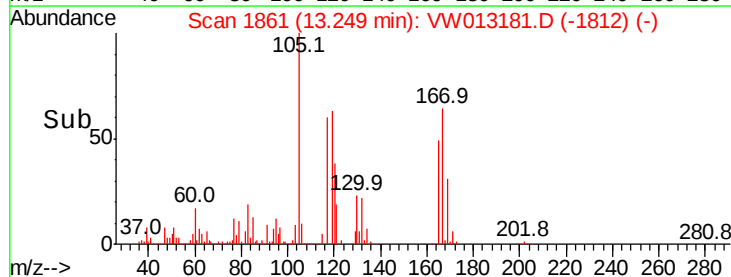
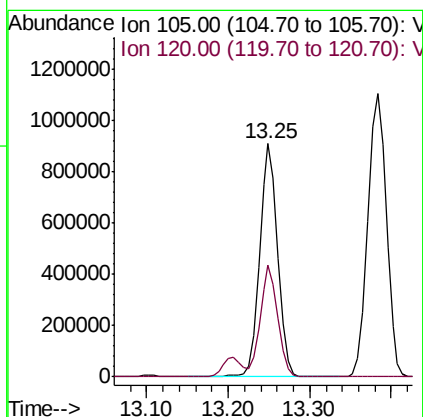
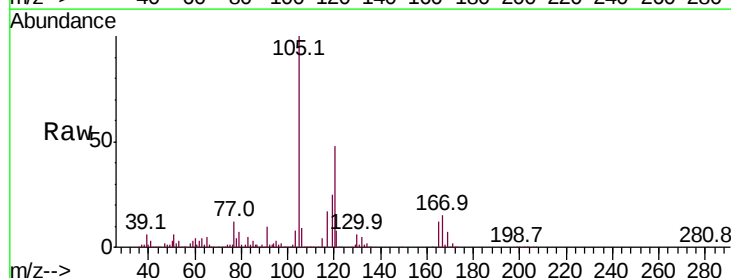
Instrument :
MSVOA_W
ClientSampled :

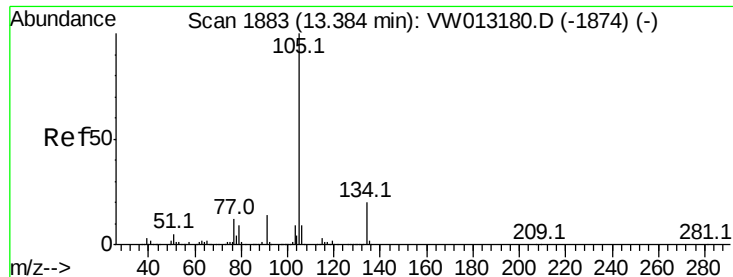
Tot Ion:119 Resp: 1250377
Ion Ratio Lower Upper
119 100
91 62.1 30.7 92.1
134 27.1 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 110.346 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion:105 Resp: 1410432
Ion Ratio Lower Upper
105 100
120 46.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 109.222 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

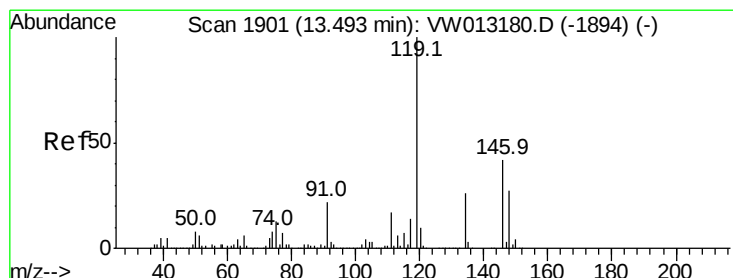
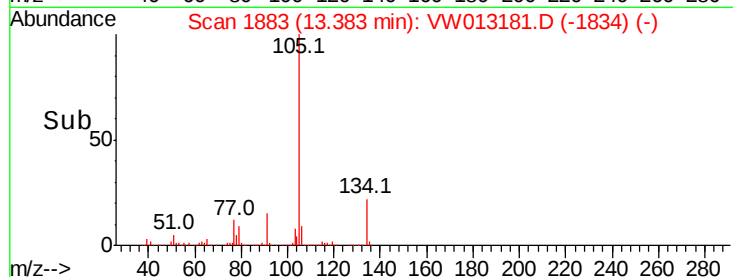
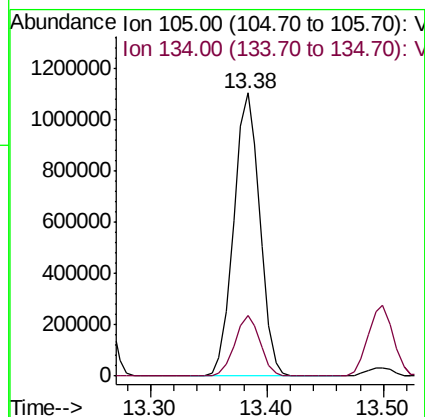
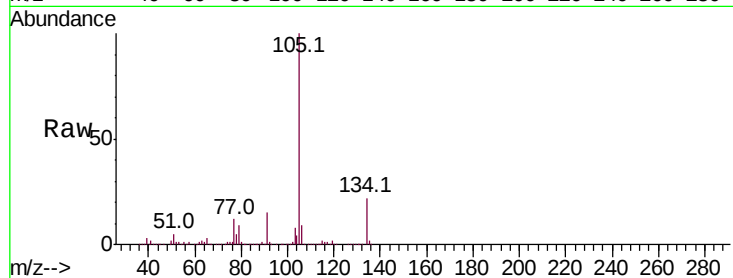
ClientSampleId :

Tot Ion:105 Resp: 1720034

Ion Ratio Lower Upper

105 100

134 20.9 10.3 30.8



#86

p-Isopropyltoluene

Concen: 109.870 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

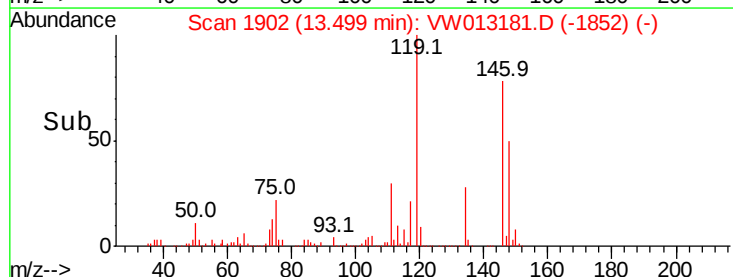
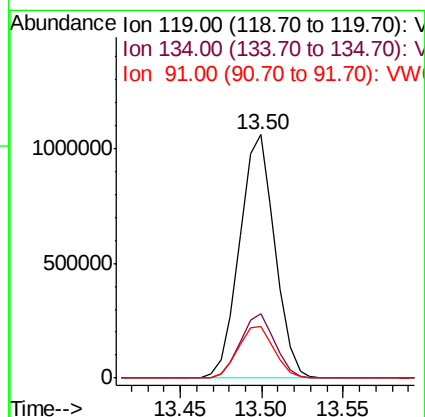
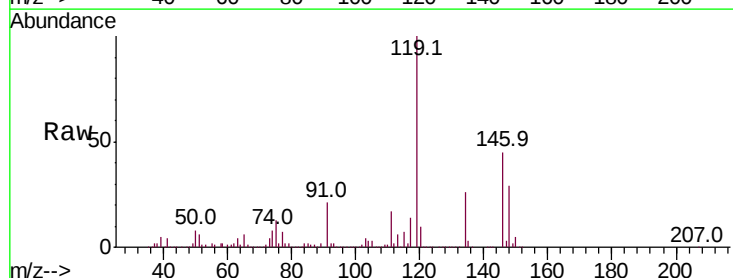
Tgt Ion:119 Resp: 1590959

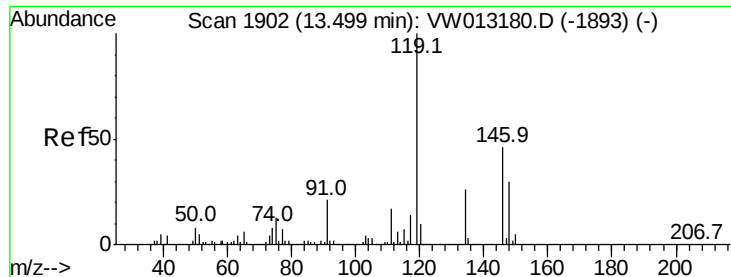
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 21.9 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 109.954 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

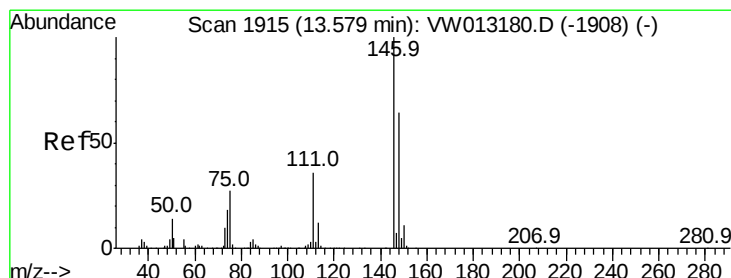
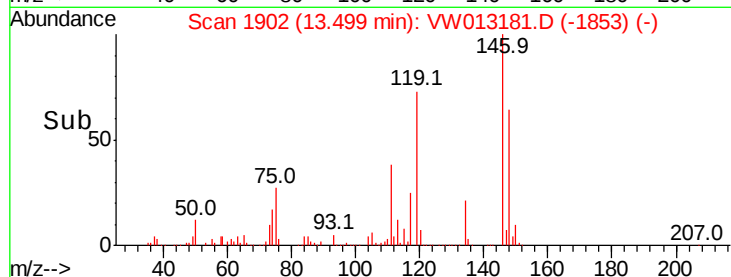
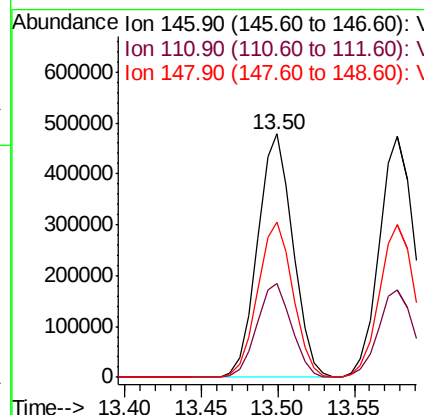
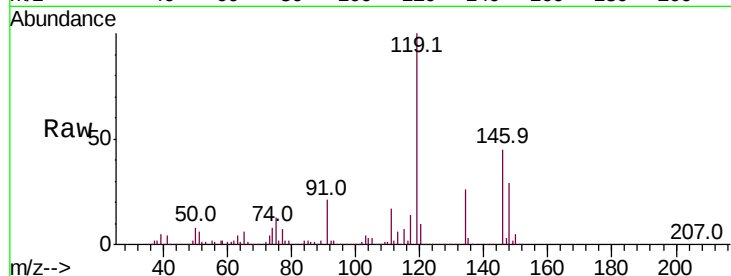
Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 768489

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.7	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 110.204 ug/l

RT: 13.58 min Scan# 1915

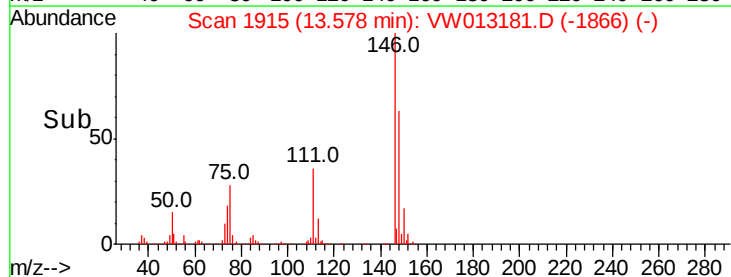
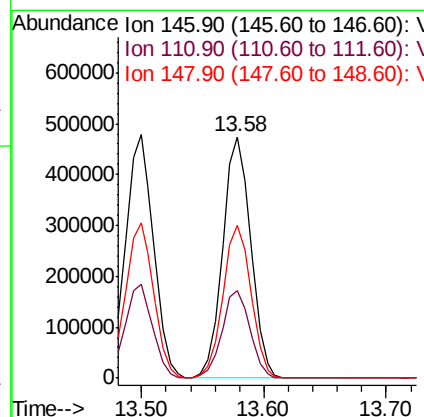
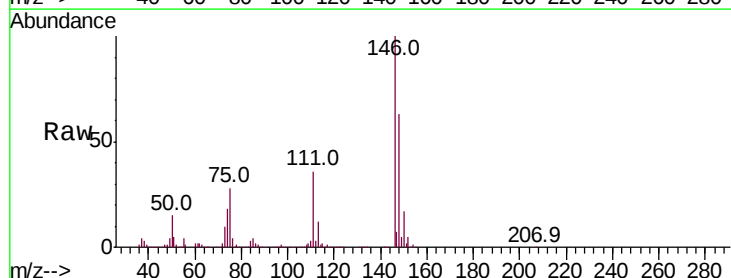
Delta R.T. -0.00 min

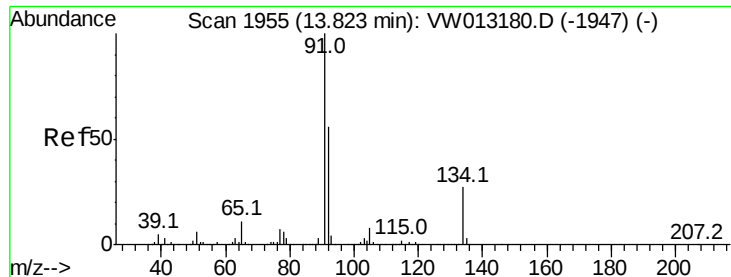
Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Tgt Ion:146 Resp: 755101

Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.0
148	63.6	32.1	96.3

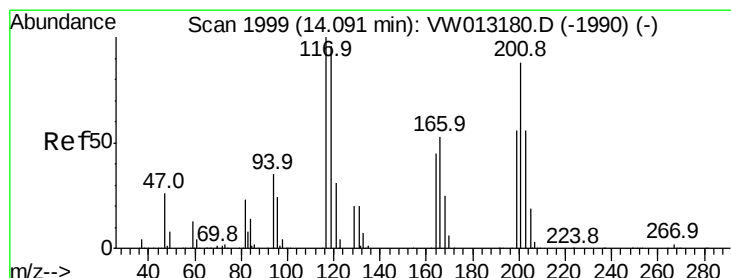
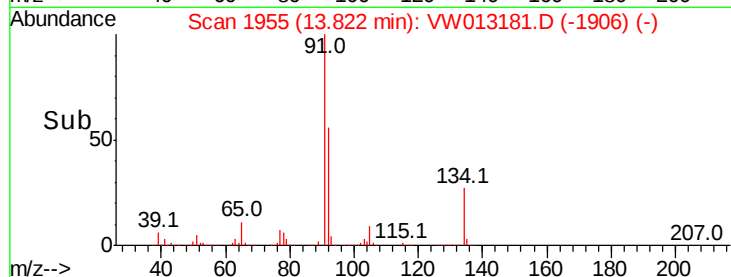
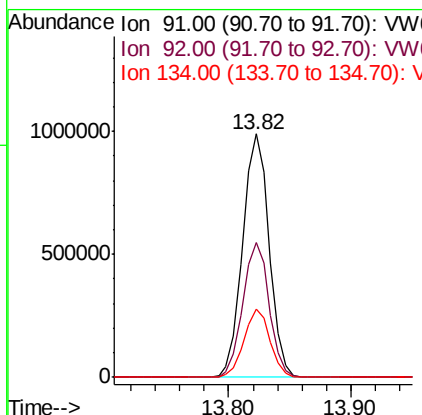
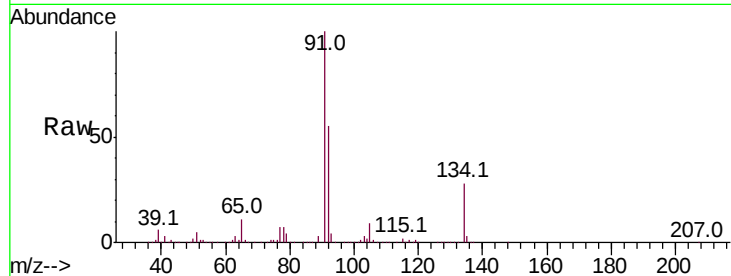




#89
n-Butylbenzene
Concen: 108.928 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

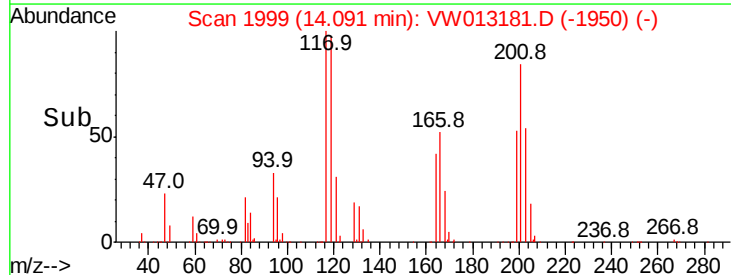
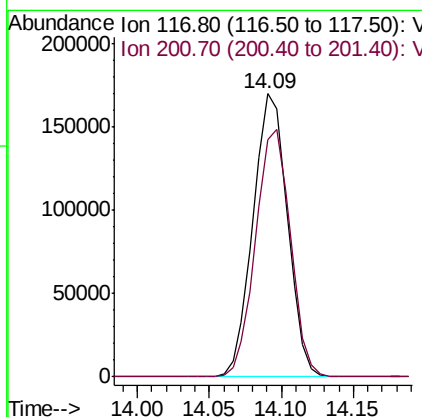
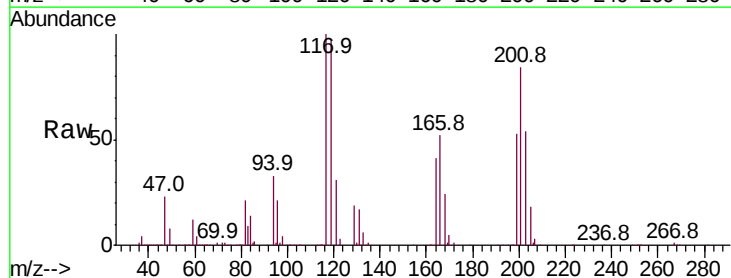
Instrument :
MSVOA_W
ClientSampled :

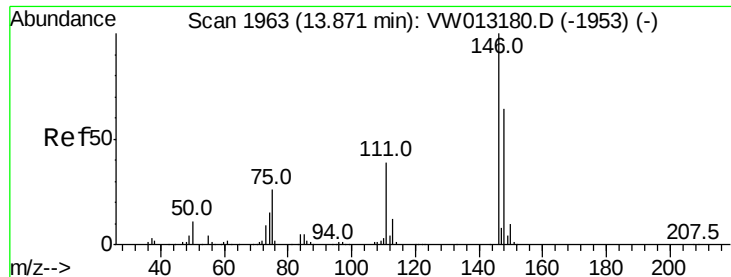
Tot Ion: 91 Resp: 1479658
Ion Ratio Lower Upper
91 100
92 55.2 27.6 82.8
134 27.5 13.7 41.1



#90
Hexachloroethane
Concen: 109.143 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion: 117 Resp: 280988
Ion Ratio Lower Upper
117 100
201 88.3 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 108.837 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

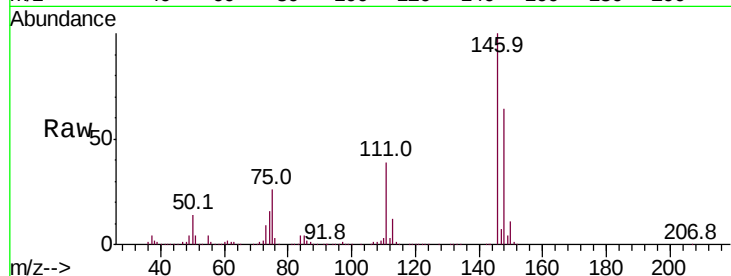
Tot Ion:146 Resp: 667208

Ion Ratio Lower Upper

146 100

111 39.5 20.1 60.3

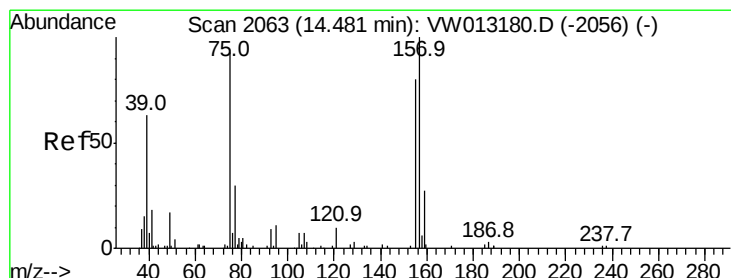
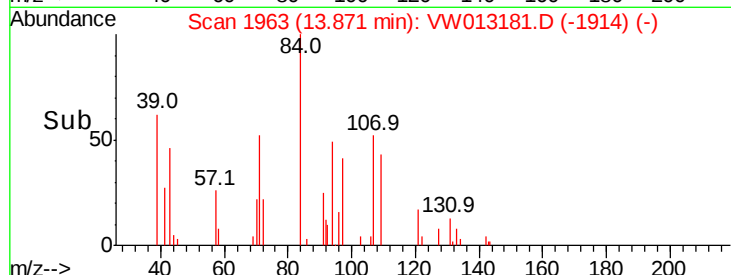
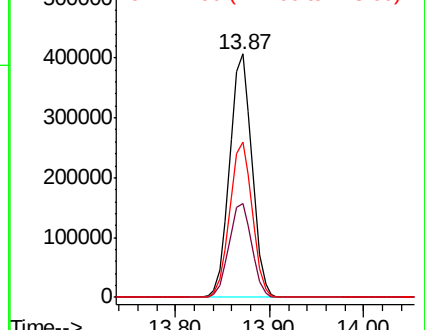
148 64.2 32.0 96.0



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: 93.336 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013181.D

Acq: 20 Sep 2019 14:27

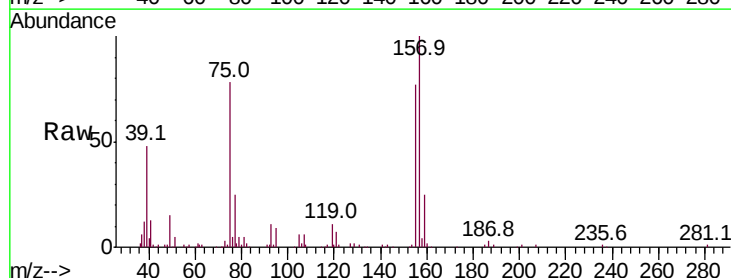
Tgt Ion: 75 Resp: 44338

Ion Ratio Lower Upper

75 100

155 95.5 46.1 138.3

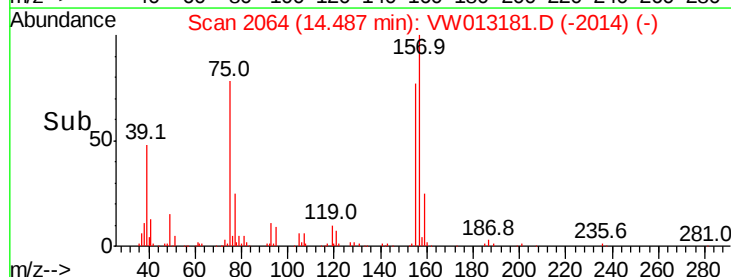
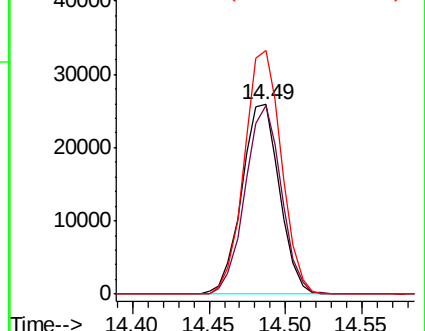
157 126.1 60.4 181.2

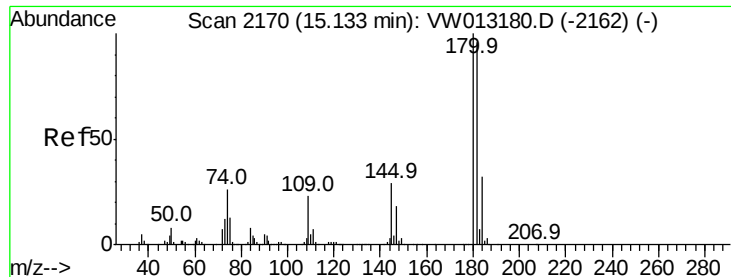


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

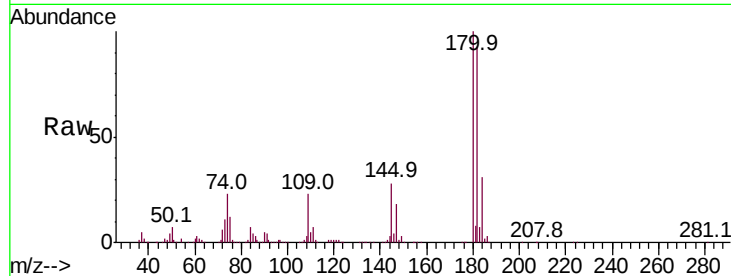




#93
 1,2,4-Trichlorobenzene
 Concen: 114.728 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	28.5	14.2	42.8

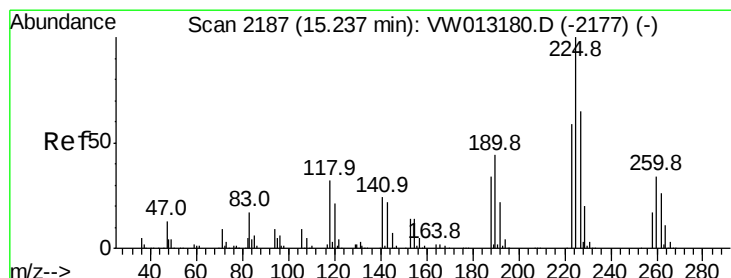
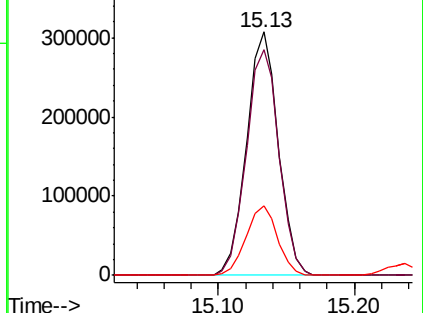
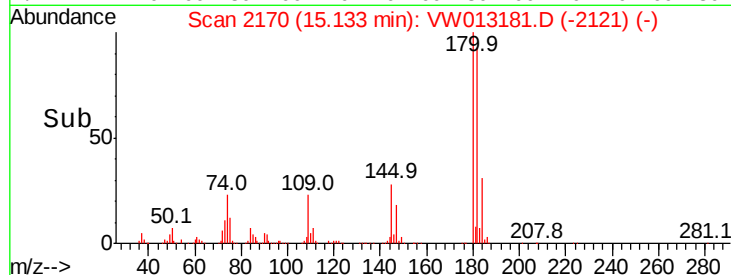


Abundance

Ion 179.80 (179.50 to 180.50): V

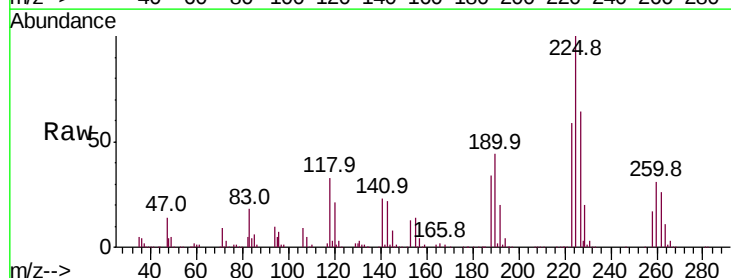
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 102.642 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013181.D
 Acq: 20 Sep 2019 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.6	91.8
227	64.1	31.9	95.9

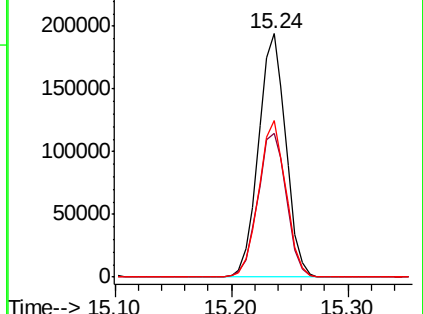
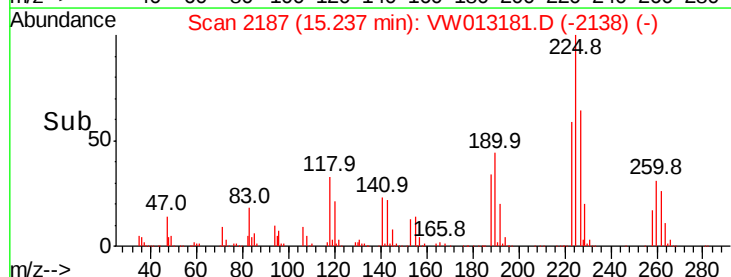


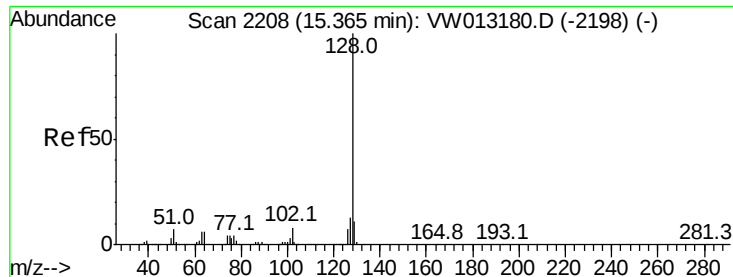
Abundance

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

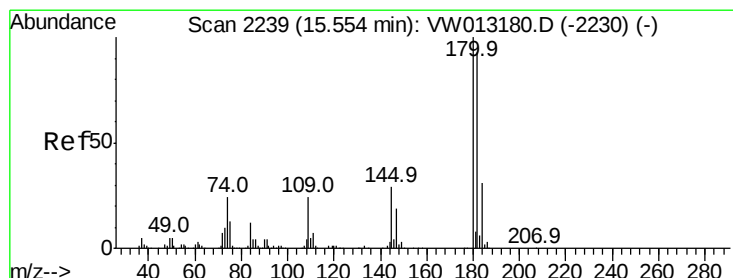
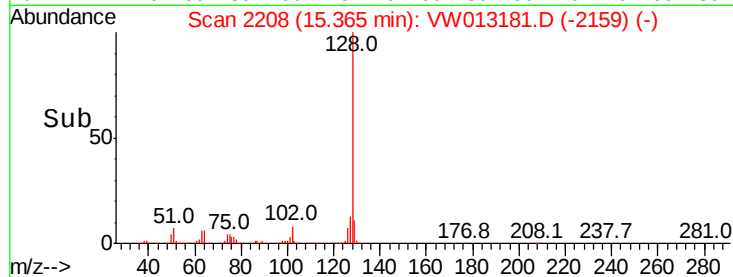
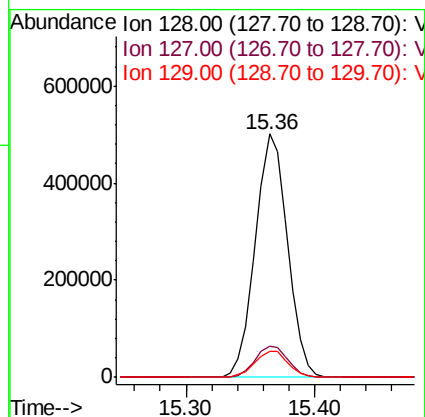
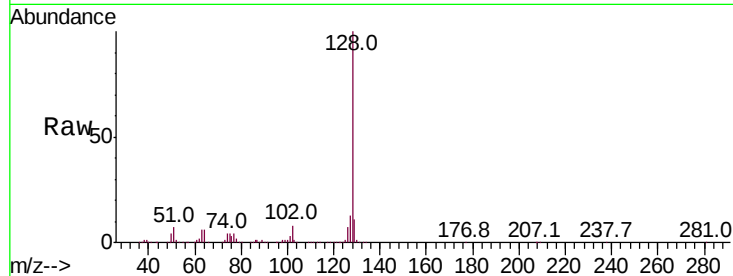




#95
Naphthalene
Concen: 119.052 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 864609
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 112.728 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013181.D
Acq: 20 Sep 2019 14:27

Tgt Ion:180 Resp: 435087
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.7
145 30.6 15.0 45.0

