

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010820\
 Data File : VW014553.D
 Acq On : 08 Jan 2020 11:36
 Operator : SY/VA
 Sample : VW0108SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 08 12:06:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	720089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1085520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	938882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	467579	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	320977	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
35) Dibromofluoromethane	7.88	113	331337	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
50) Toluene-d8	10.32	98	1362221	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.62	95	460407	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	89477	22.007	ug/l	97
3) Chloromethane	2.21	50	113446	22.796	ug/l	99
4) Vinyl Chloride	2.36	62	163823	22.381	ug/l	100
5) Bromomethane	2.77	94	104090	23.020	ug/l	100
6) Chloroethane	2.92	64	92583	22.189	ug/l	99
7) Trichlorofluoromethane	3.25	101	70002	19.114	ug/l	99
8) Diethyl Ether	3.68	74	71435	19.604	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	142696	20.853	ug/l	98
10) Methyl Iodide	4.28	142	222868	21.586	ug/l	99
11) Tert butyl alcohol	5.15	59	43731	73.936	ug/l	100
12) 1,1-Dichloroethene	4.04	96	153792	21.461	ug/l	96
13) Acrolein	3.89	56	47685	86.778	ug/l	100
14) Allyl chloride	4.66	41	233749	21.346	ug/l	99
15) Acrylonitrile	5.36	53	149366	89.677	ug/l	100
16) Acetone	4.11	43	151842	85.413	ug/l	100
17) Carbon Disulfide	4.38	76	456979	21.158	ug/l	98
18) Methyl Acetate	4.67	43	76436	17.803	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	181550	20.410	ug/l	94
20) Methylene Chloride	4.91	84	173465	21.554	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	163257	21.456	ug/l	99
22) Diisopropyl ether	6.31	45	445065	21.714	ug/l	98
23) Vinyl Acetate	6.24	43	1204411	97.309	ug/l	100
24) 1,1-Dichloroethane	6.21	63	280380	21.686	ug/l	99
25) 2-Butanone	7.17	43	193956	85.016	ug/l	100
26) 2,2-Dichloropropane	7.16	77	152933	21.365	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	172464	21.571	ug/l	99
28) Bromochloromethane	7.51	49	95601	18.860	ug/l	98
29) Tetrahydrofuran	7.52	42	120876	85.524	ug/l	99
30) Chloroform	7.67	83	261510	21.629	ug/l	100
31) Cyclohexane	7.95	56	274113	20.401	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	207176	21.306	ug/l	100
36) 1,1-Dichloropropene	8.07	75	223090	21.318	ug/l	99
37) Ethyl Acetate	7.24	43	87129	18.358	ug/l	98
38) Carbon Tetrachloride	8.07	117	186773	20.572	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	268058	19.960	ug/l	99
40) Benzene	8.32	78	641157	21.654	ug/l	99
41) Methacrylonitrile	7.48	41	45967	17.374	ug/l	98
42) 1,2-Dichloroethane	8.40	62	157094	20.445	ug/l	100
43) Isopropyl Acetate	8.42	43	160328	18.603	ug/l	99
44) Trichloroethene	9.09	130	171647	21.424	ug/l	98
45) 1,2-Dichloropropane	9.37	63	155998	21.470	ug/l	99
46) Dibromomethane	9.46	93	70884	19.762	ug/l	98
47) Bromodichloromethane	9.64	83	185062	20.898	ug/l	98
48) Methyl methacrylate	9.43	41	69744	16.575	ug/l	90
49) 1,4-Dioxane	9.45	88	21506	320.569	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	398796	89.104	ug/l	100
52) Toluene	10.38	92	403659	21.670	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	183000	19.959	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	235102	20.980	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	104941	20.032	ug/l	96
56) Ethyl methacrylate	10.64	69	129899	19.080	ug/l	98
57) 1,3-Dichloropropane	10.93	76	183583	19.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	187850	90.725	ug/l	100
59) 2-Hexanone	10.96	43	265737	86.164	ug/l	99
60) Dibromochloromethane	11.12	129	117903	19.948	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96382	19.383	ug/l	98
64) Tetrachloroethene	10.86	164	142417	20.952	ug/l	98
65) Chlorobenzene	11.65	112	414791	21.565	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	138105	21.325	ug/l	99
67) Ethyl Benzene	11.73	91	745278	21.500	ug/l	99
68) m/p-Xylenes	11.84	106	573228	43.208	ug/l	99
69) o-Xylene	12.16	106	263708	21.519	ug/l	100
70) Styrene	12.18	104	450971	21.757	ug/l	100
71) Bromoform	12.35	173	67577	19.130	ug/l #	98
73) Isopropylbenzene	12.46	105	726736	21.182	ug/l	100
74) N-amyl acetate	12.27	43	139004	18.070	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	115996	18.732	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	143942	32.559	ug/l #	100
77) Bromobenzene	12.74	156	169411	21.260	ug/l	95
78) n-propylbenzene	12.80	91	869899	21.562	ug/l	99
79) 2-Chlorotoluene	12.89	91	488500	21.278	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	616618	21.405	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	36440	18.365	ug/l	97
82) 4-Chlorotoluene	12.99	91	512899	21.503	ug/l	99
83) tert-Butylbenzene	13.20	119	527693	20.923	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	615753	21.480	ug/l	99
85) sec-Butylbenzene	13.38	105	743522	21.298	ug/l	99
86) p-Isopropyltoluene	13.49	119	685032	21.528	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	329012	21.233	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	326908	21.370	ug/l	99
89) n-Butylbenzene	13.82	91	631032	21.355	ug/l	99
90) Hexachloroethane	14.09	117	115008	20.689	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	286752	21.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18228	18.588	ug/l	91

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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	193730	21.065	ug/l	99
94) Hexachlorobutadiene	15.24	225	132728	21.535	ug/l	98
95) Naphthalene	15.36	128	284221	18.121	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	162412	20.259	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

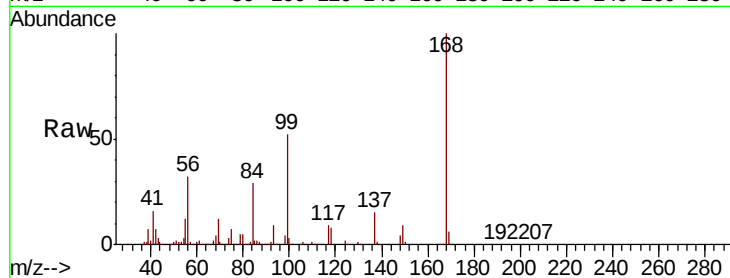
ClientSampleId :

Tot Ion:168 Resp: 720089

Ion Ratio Lower Upper

168 100

99 52.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

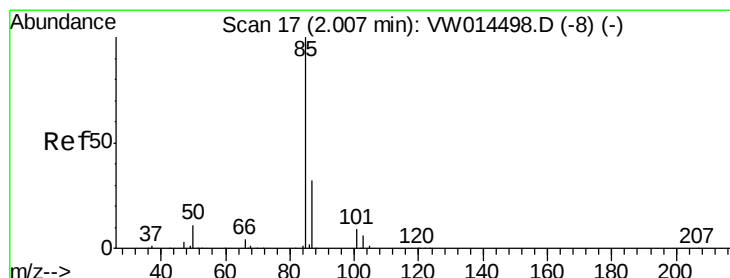
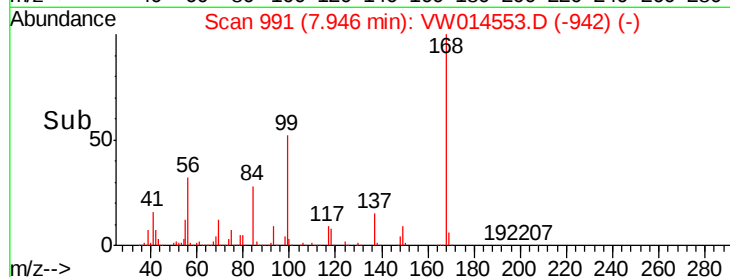
200000

100000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.007 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014553.D

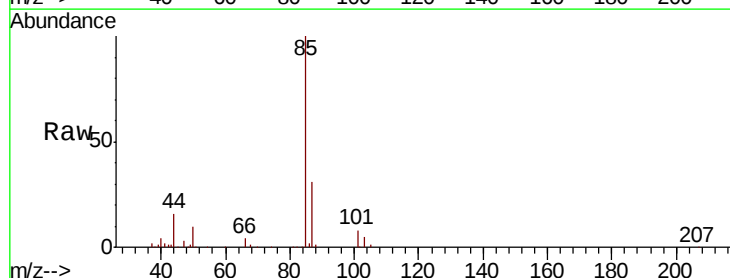
Acq: 08 Jan 2020 11:36

Tgt Ion: 85 Resp: 89477

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

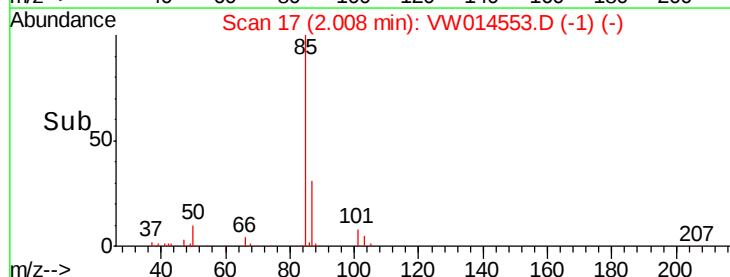
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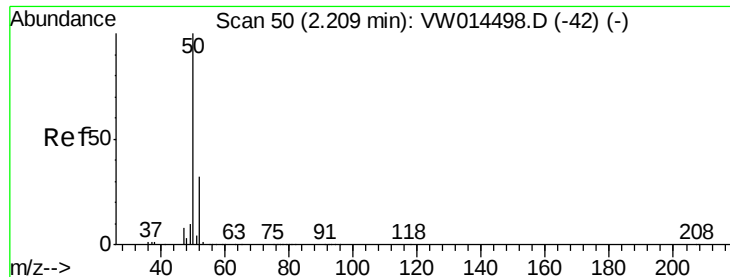
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 22.796 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

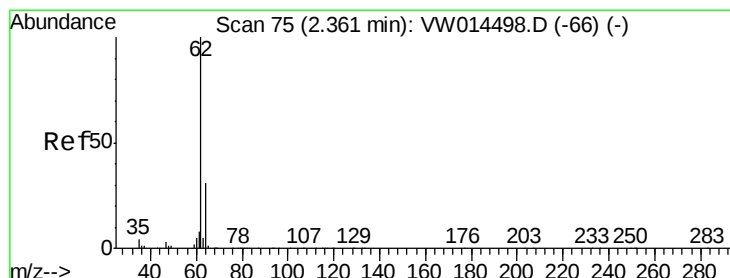
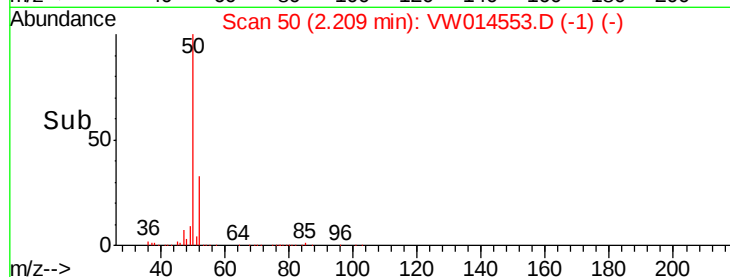
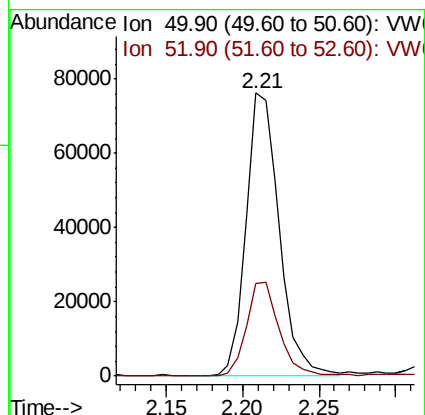
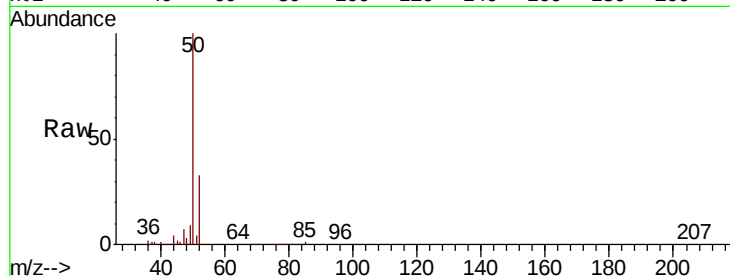
ClientSampleId :

Tot Ion: 50 Resp: 113446

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.8



#4

Vinyl Chloride

Concen: 22.381 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014553.D

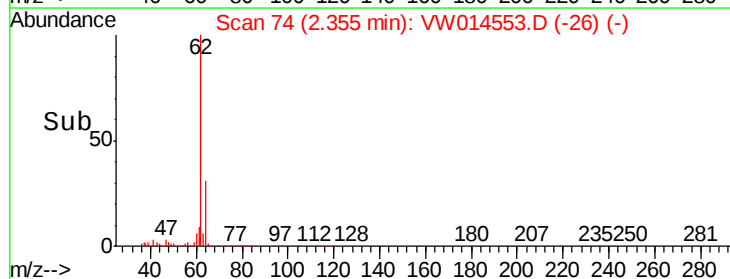
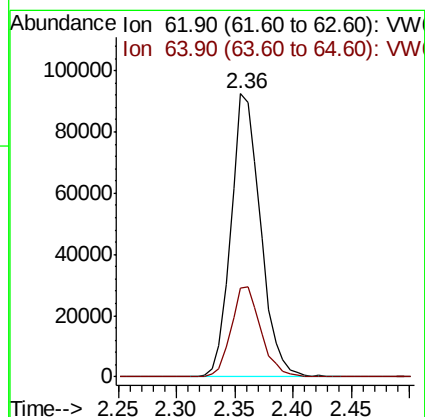
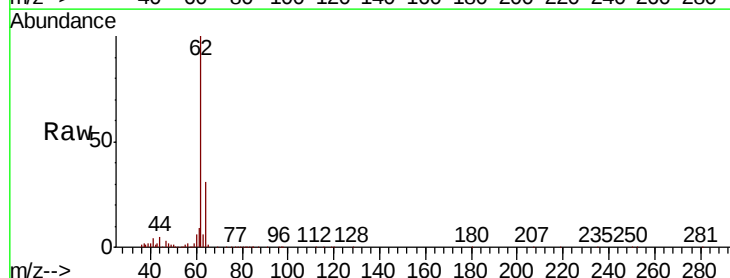
Acq: 08 Jan 2020 11:36

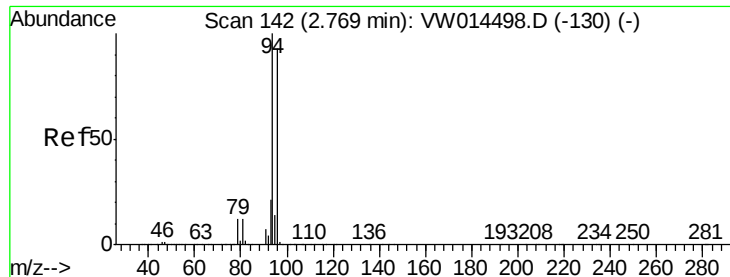
Tgt Ion: 62 Resp: 163823

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.4





#5

Bromomethane

Concen: 23.020 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

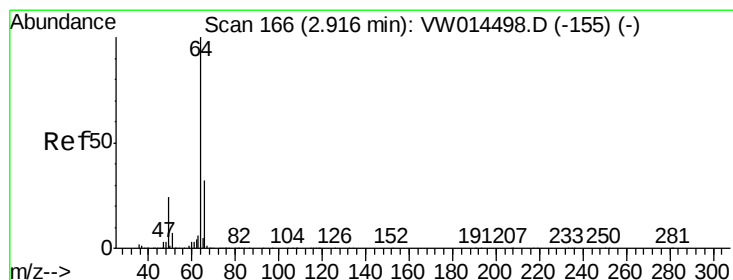
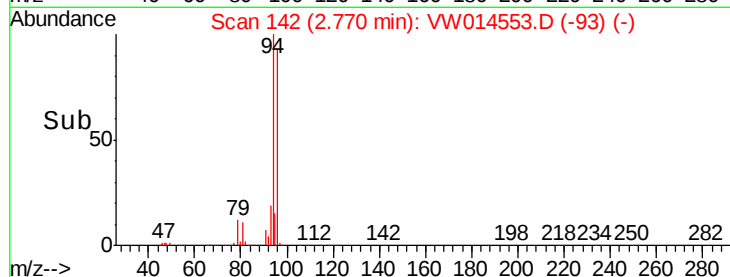
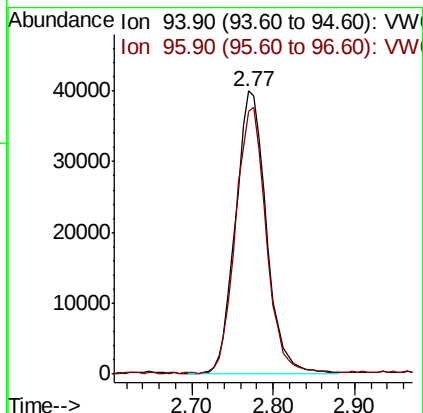
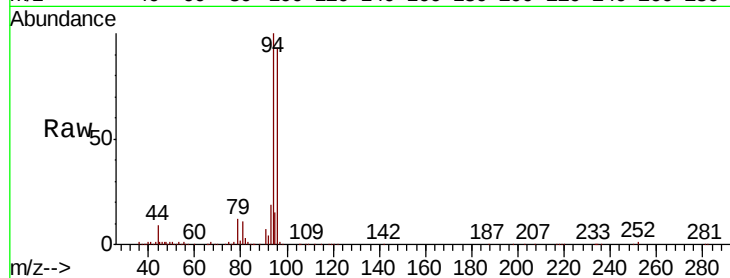
ClientSampleId :

Tot Ion: 94 Resp: 104090

Ion Ratio Lower Upper

94 100

96 92.2 74.2 111.2



#6

Chloroethane

Concen: 22.189 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014553.D

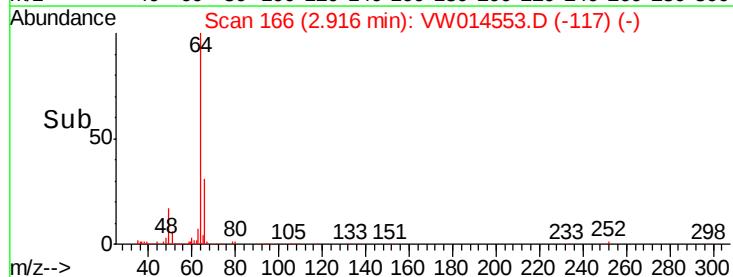
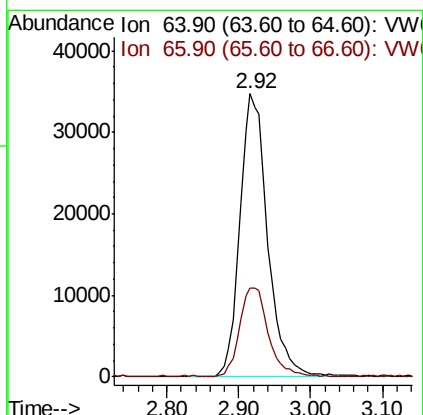
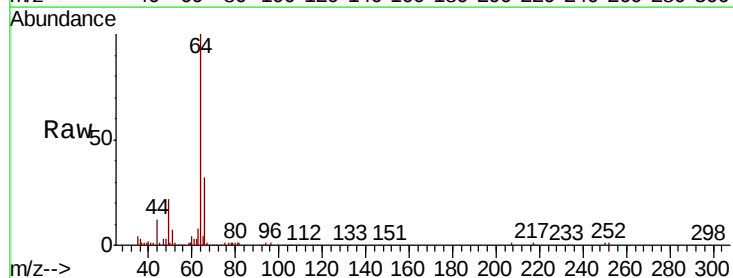
Acq: 08 Jan 2020 11:36

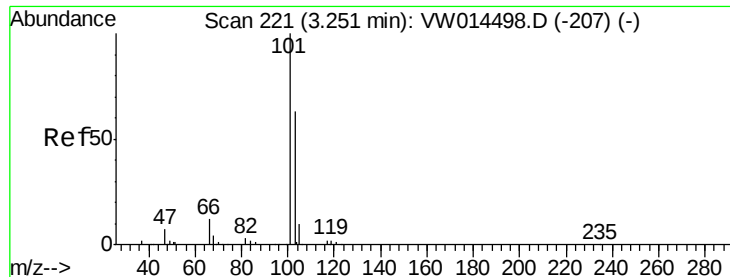
Tgt Ion: 64 Resp: 92583

Ion Ratio Lower Upper

64 100

66 31.4 25.7 38.5



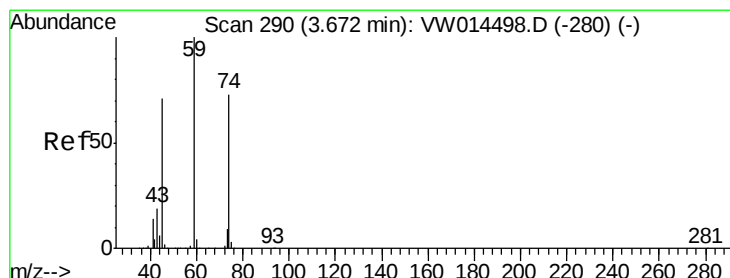
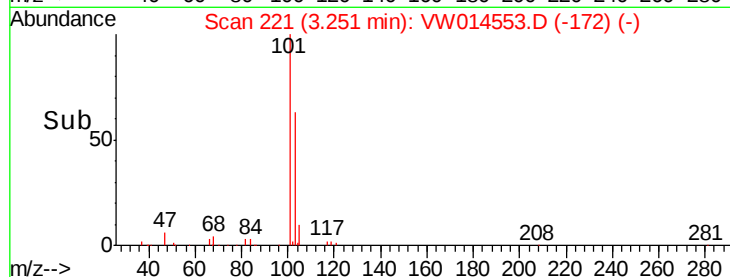
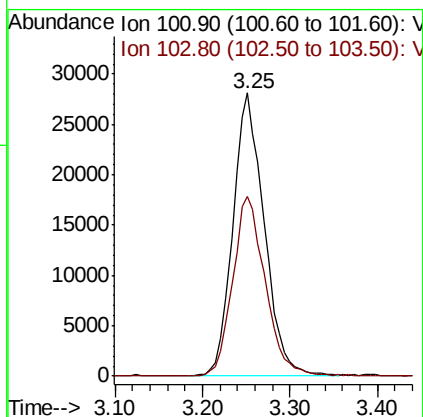
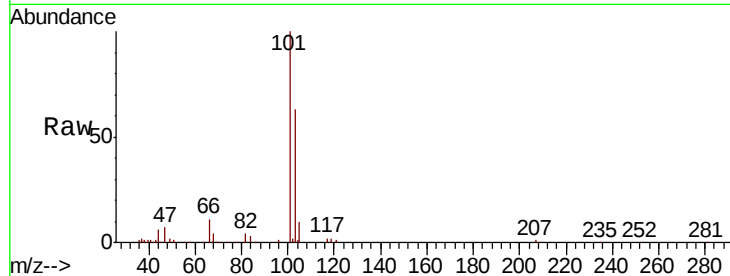


#7

Trichlorofluoromethane
Concen: 19.114 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

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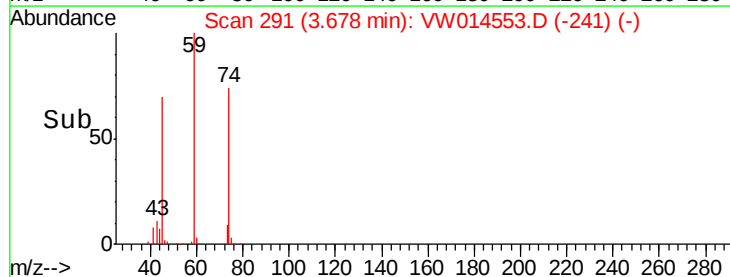
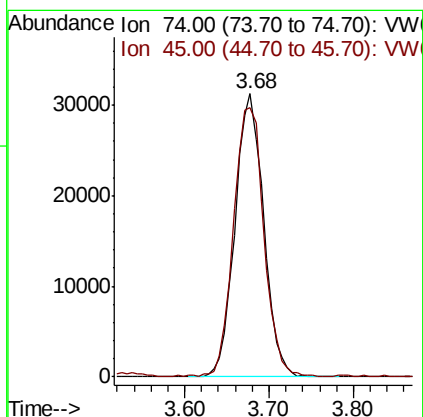
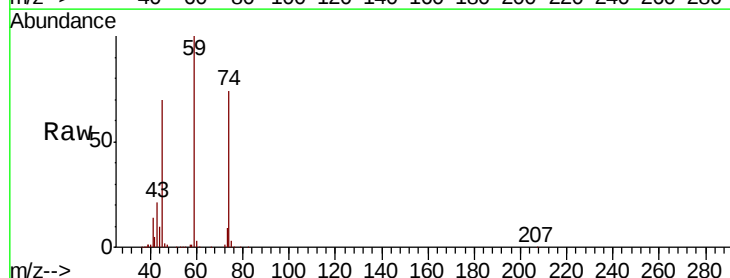
Tot Ion:101 Resp: 70002
Ion Ratio Lower Upper
101 100
103 63.3 50.1 75.1

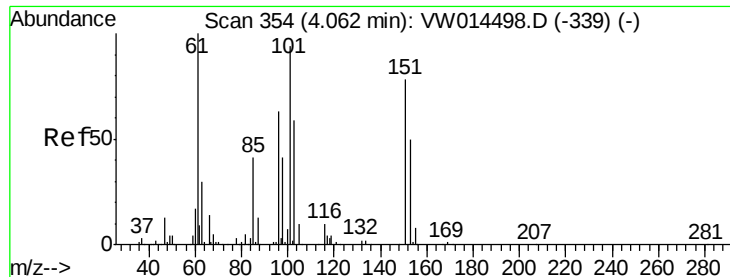


#8

Diethyl Ether
Concen: 19.604 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 74 Resp: 71435
Ion Ratio Lower Upper
74 100
45 99.9 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.853 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

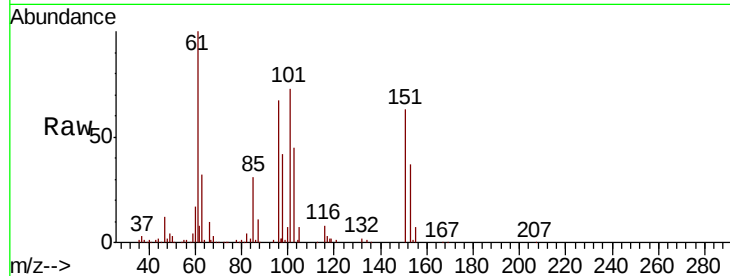
Tot Ion:101 Resp: 142696

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

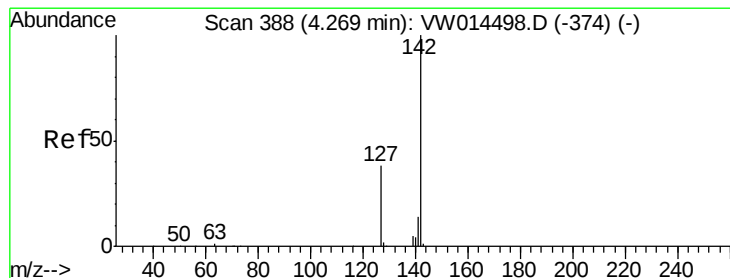
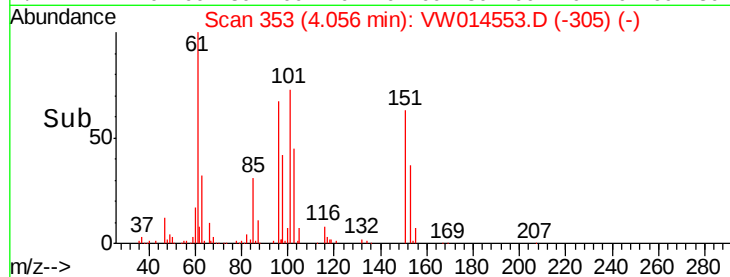
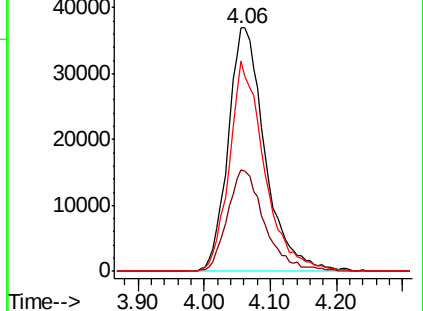
151 82.3 63.5 95.3



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: 21.586 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

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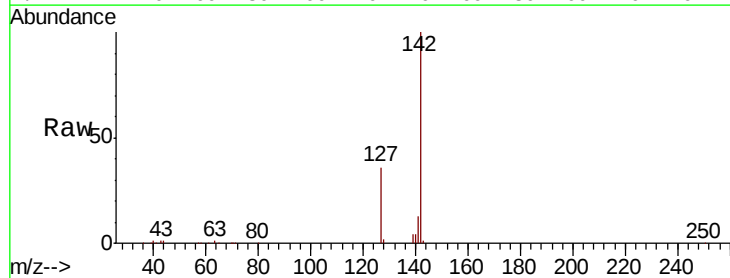
Tgt Ion:142 Resp: 222868

Ion Ratio Lower Upper

142 100

127 38.7 30.2 45.4

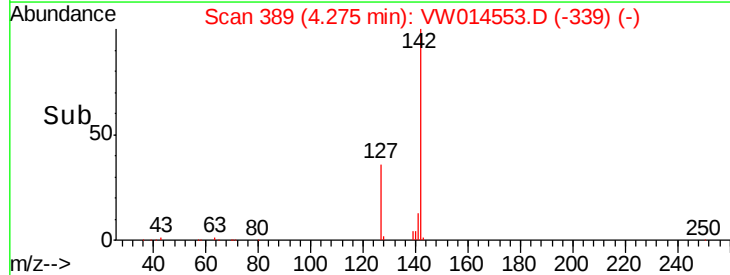
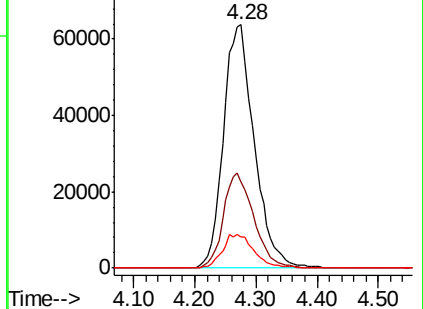
141 14.3 11.4 17.2

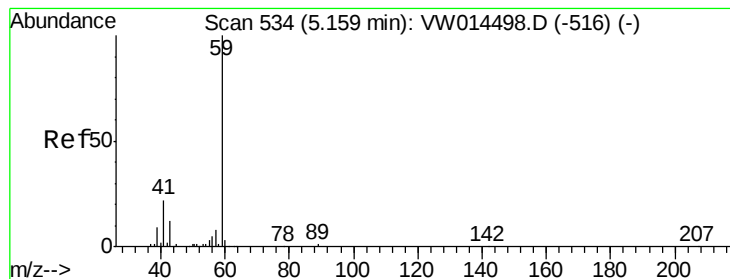


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



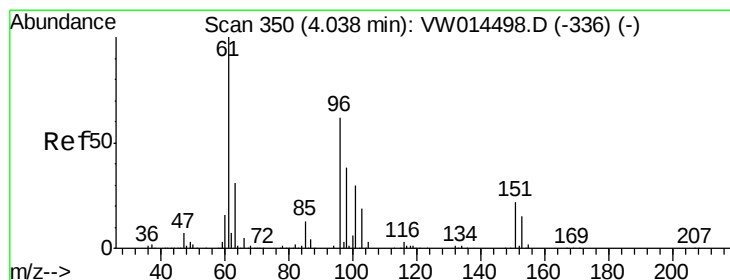
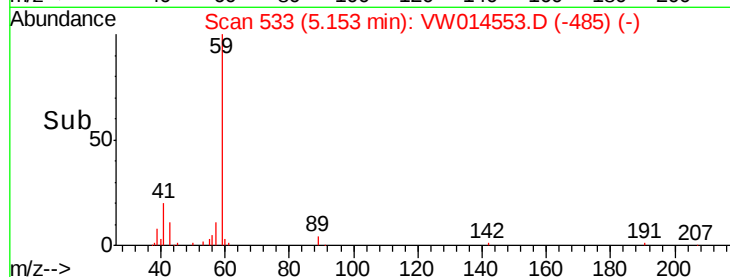
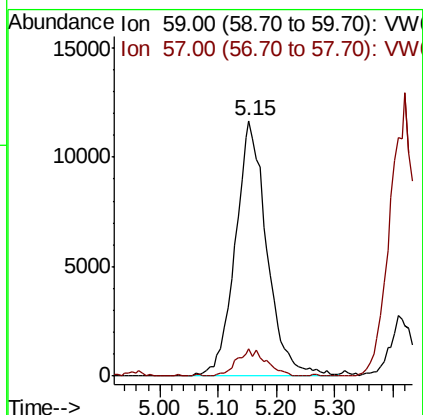
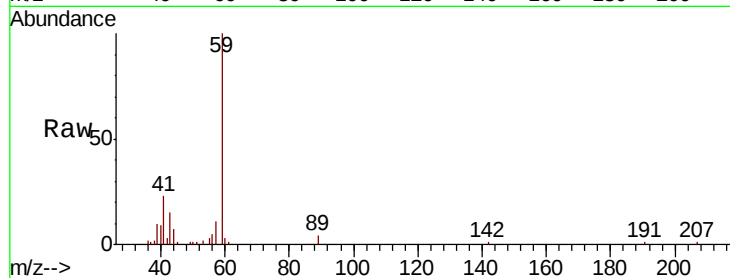


#11

Tert butyl alcohol
 Concen: 73.936 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampled :

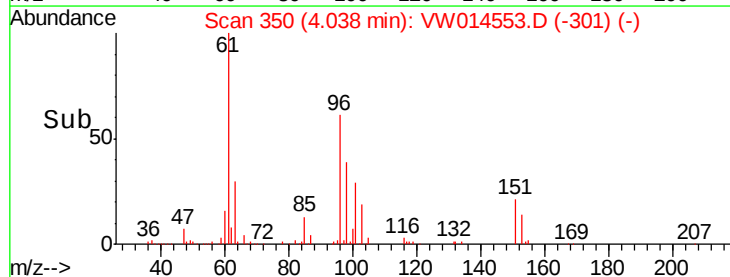
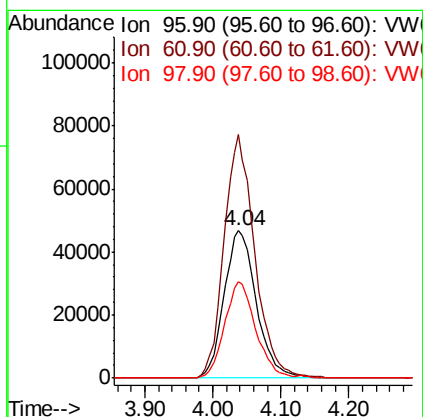
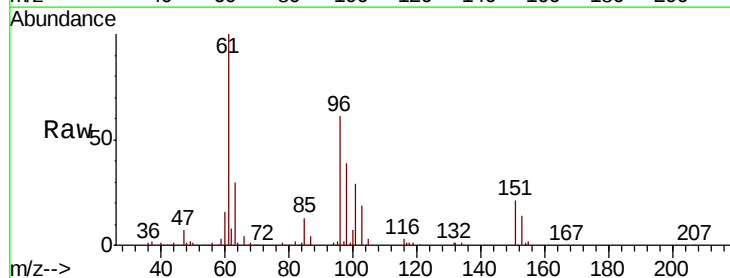
Tot Ion: 59 Resp: 43731
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.8 11.8

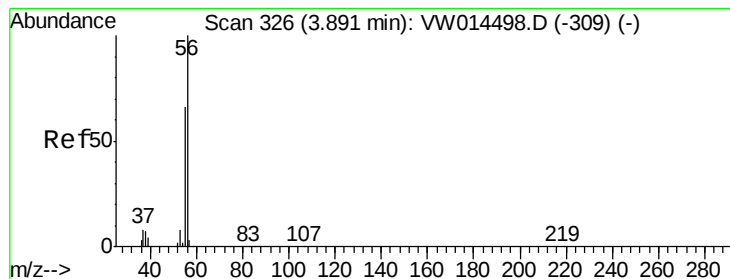


#12

1,1-Dichloroethene
 Concen: 21.461 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion: 96 Resp: 153792
 Ion Ratio Lower Upper
 96 100
 61 165.3 128.4 192.6
 98 65.3 49.1 73.7





#13

Acrolein

Concen: 86.778 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

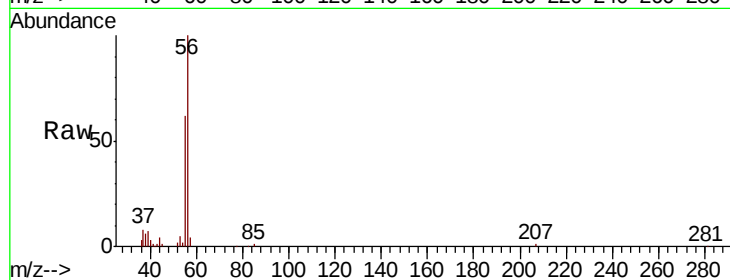
ClientSampled :

Tot Ion: 56 Resp: 47685

Ion Ratio Lower Upper

56 100

55 70.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

20000

15000

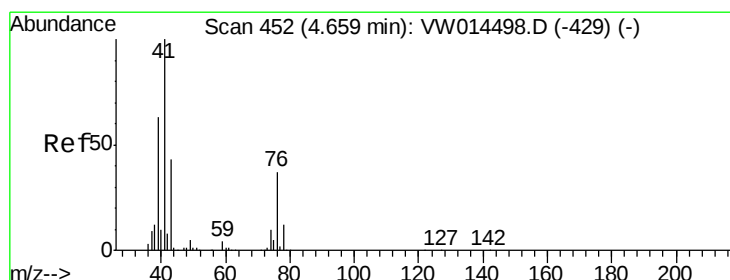
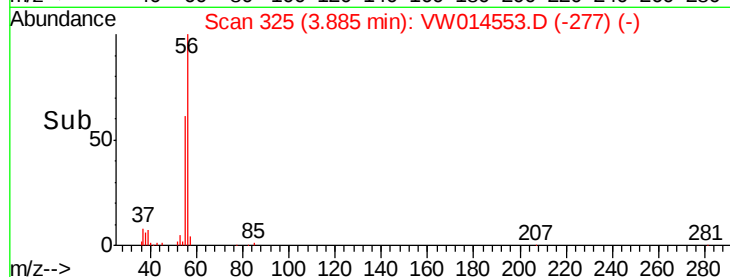
10000

5000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 21.346 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

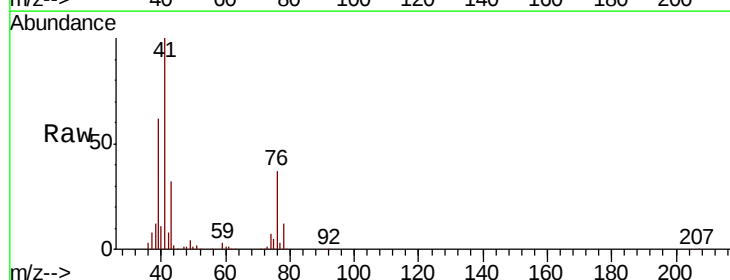
Tgt Ion: 41 Resp: 233749

Ion Ratio Lower Upper

41 100

39 61.4 48.5 72.7

76 36.3 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

200000

150000

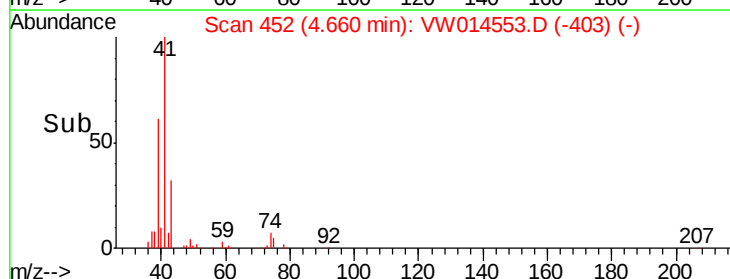
100000

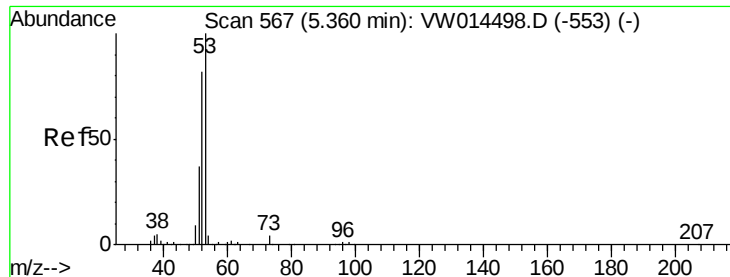
50000

0

Time-->

4.40 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 89.677 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

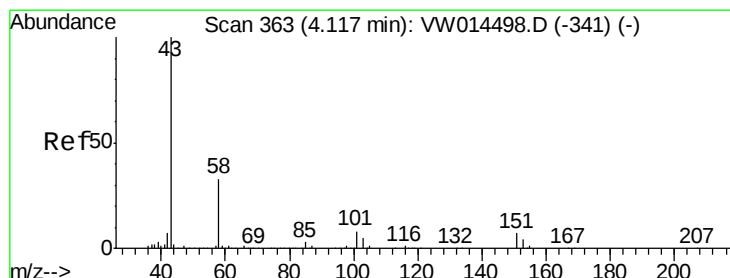
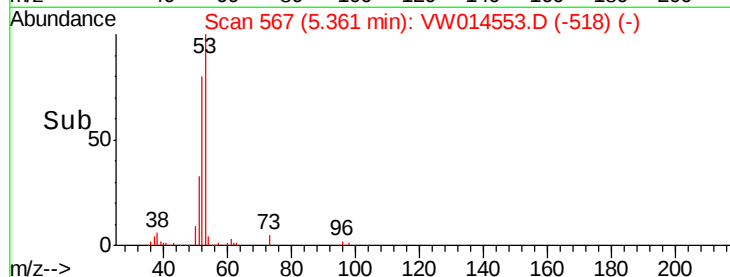
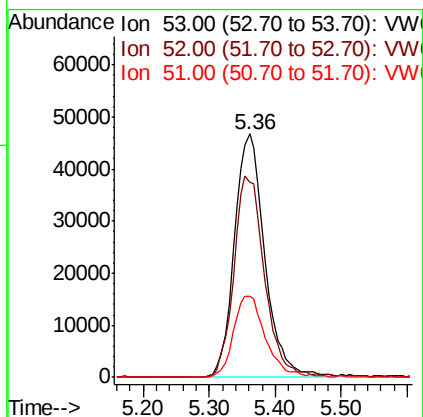
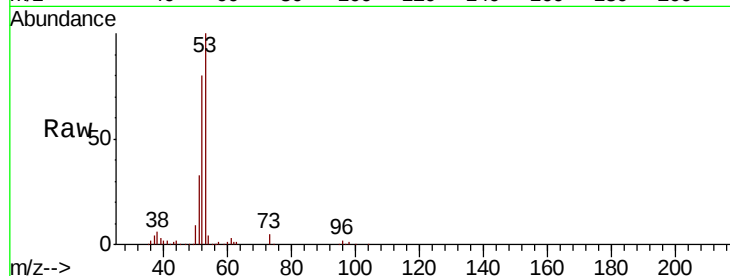
Tot Ion: 53 Resp: 149366

Ion Ratio Lower Upper

53 100

52 82.9 66.5 99.7

51 35.5 28.4 42.6



#16

Acetone

Concen: 85.413 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014553.D

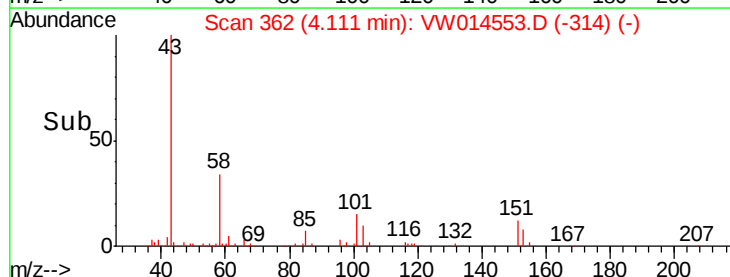
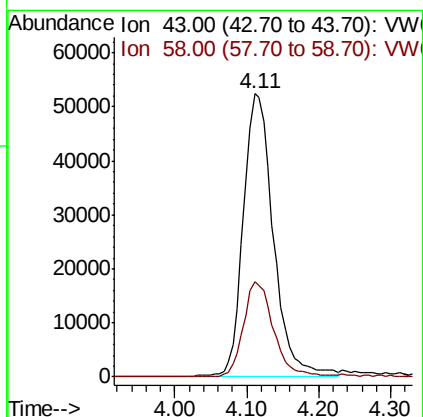
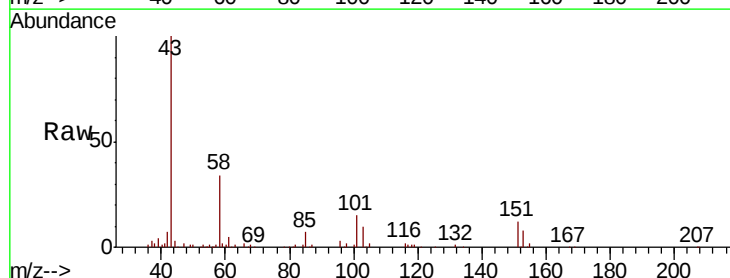
Acq: 08 Jan 2020 11:36

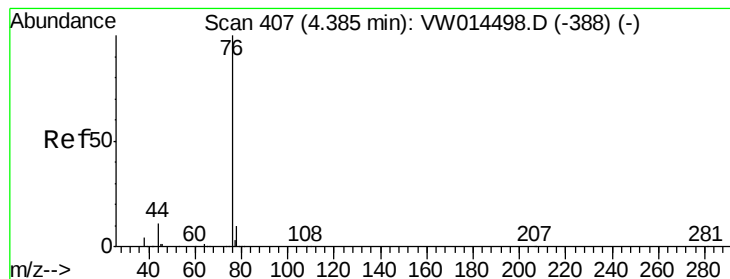
Tgt Ion: 43 Resp: 151842

Ion Ratio Lower Upper

43 100

58 33.3 26.6 39.8





#17

Carbon Disulfide

Concen: 21.158 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

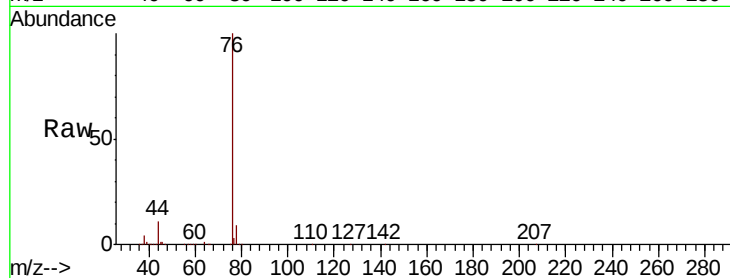
ClientSampleId :

Tot Ion: 76 Resp: 456979

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

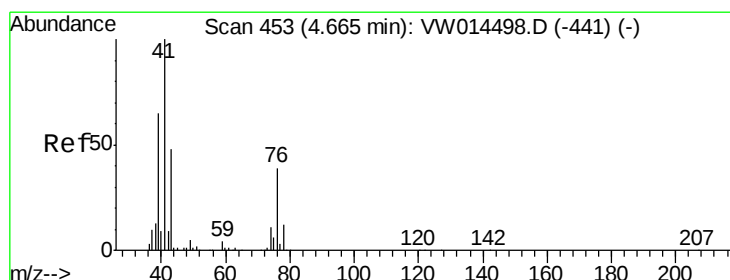
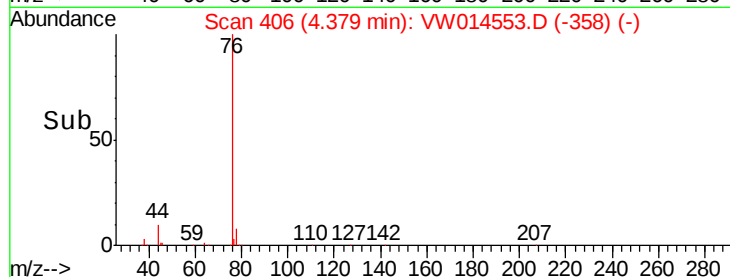
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.803 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014553.D

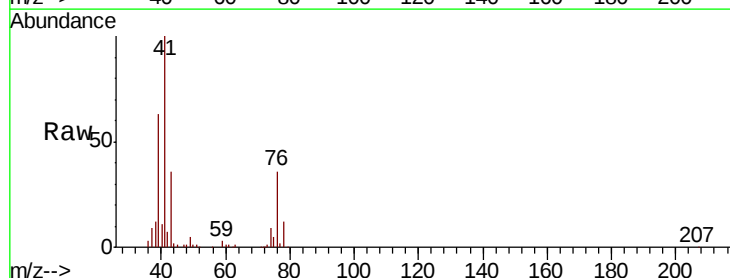
Acq: 08 Jan 2020 11:36

Tgt Ion: 43 Resp: 76436

Ion Ratio Lower Upper

43 100

74 25.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

25000

20000

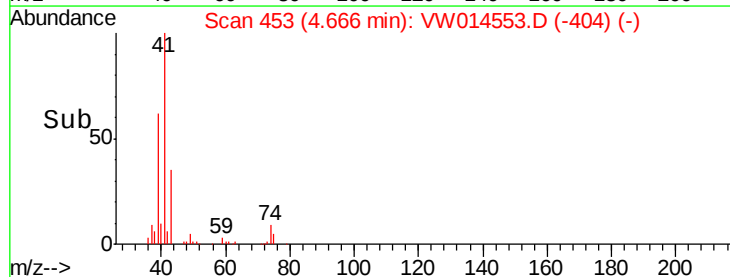
15000

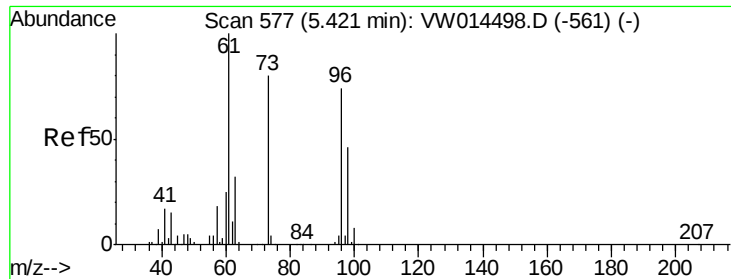
10000

5000

0

Time-->

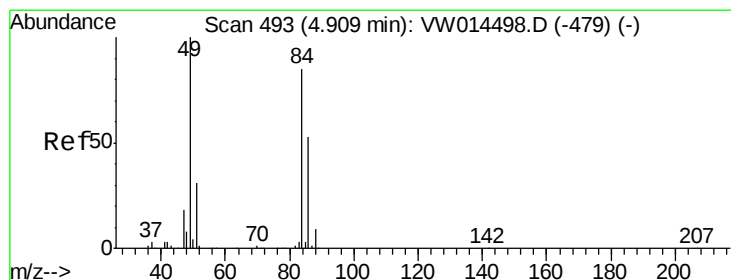
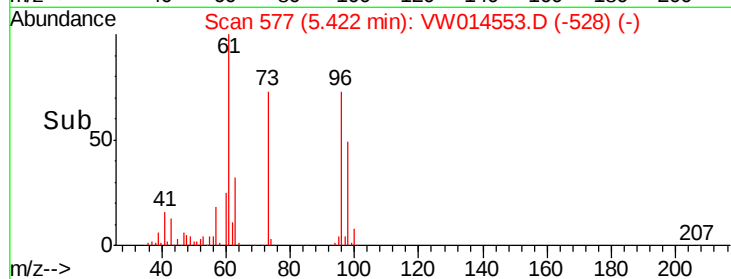
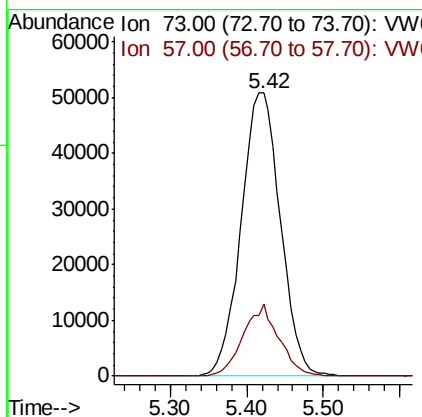
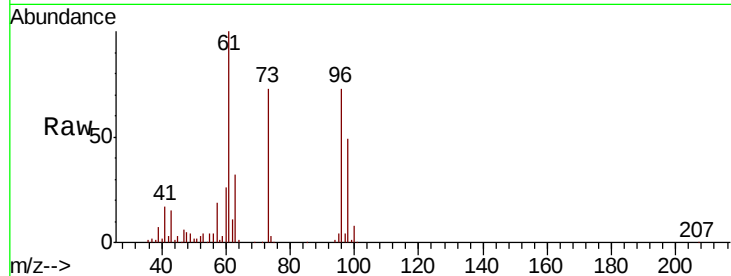




#19
Methvl tert-butvl Ether
Concen: 20.410 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

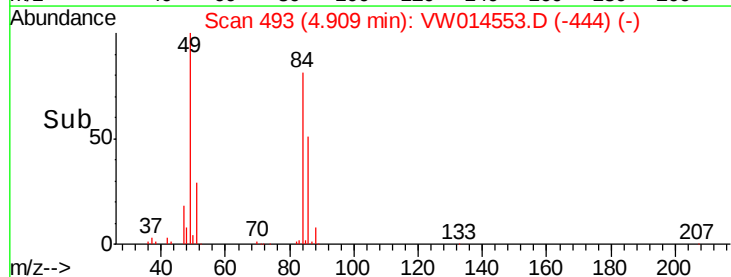
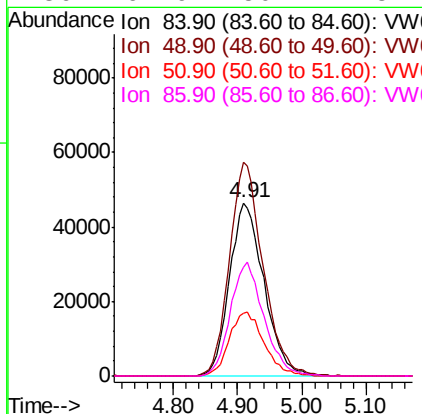
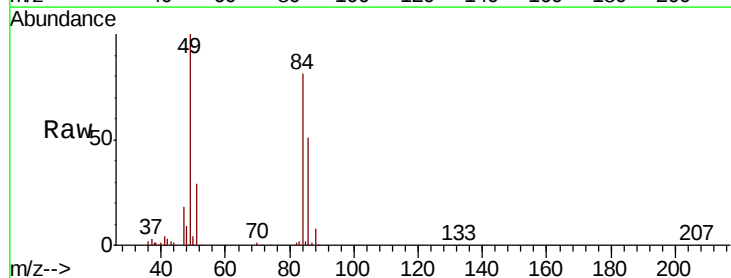
Instrument :
MSVOA_W
ClientSampleId :

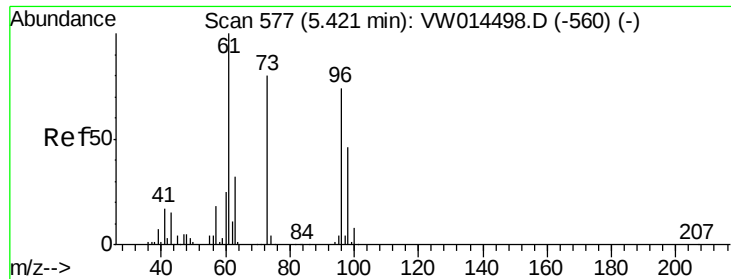
Tot Ion: 73 Resp: 181550
Ion Ratio Lower Upper
73 100
57 25.4 18.1 27.1



#20
Methylene Chloride
Concen: 21.554 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 84 Resp: 173465
Ion Ratio Lower Upper
84 100
49 123.2 94.4 141.6
51 36.2 29.5 44.3
86 62.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.456 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

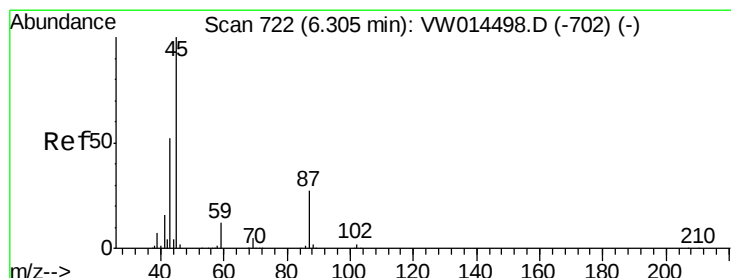
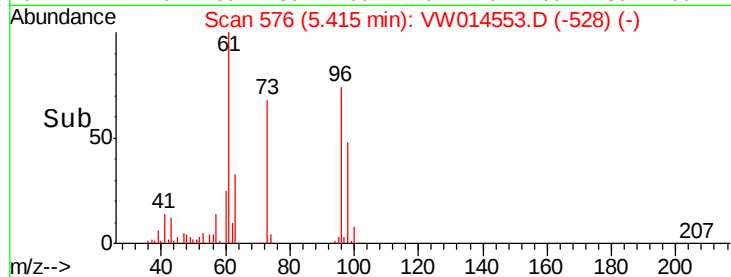
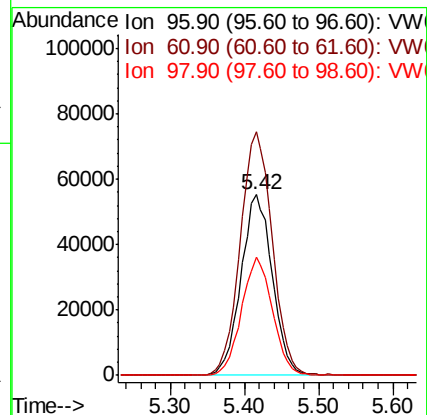
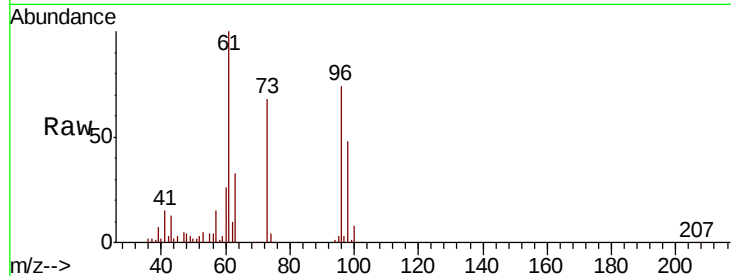
Tot Ion: 96 Resp: 163257

Ion Ratio Lower Upper

96 100

61 134.8 107.8 161.6

98 65.2 49.4 74.0



#22

Diisopropyl ether

Concen: 21.714 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion: 45 Resp: 445065

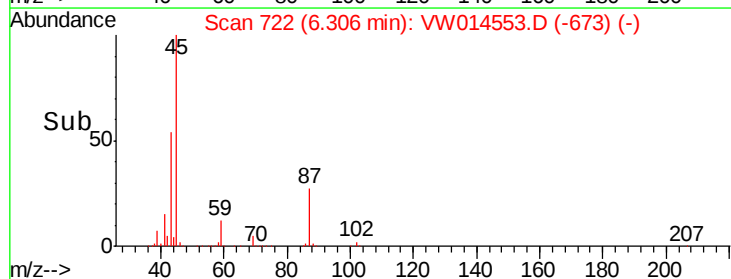
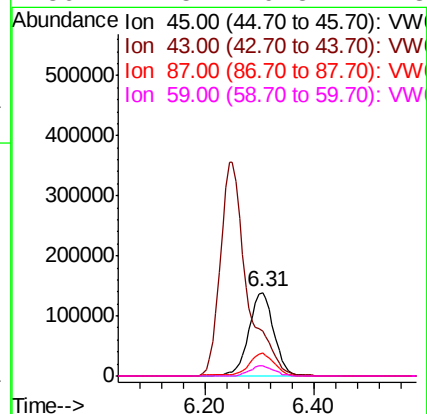
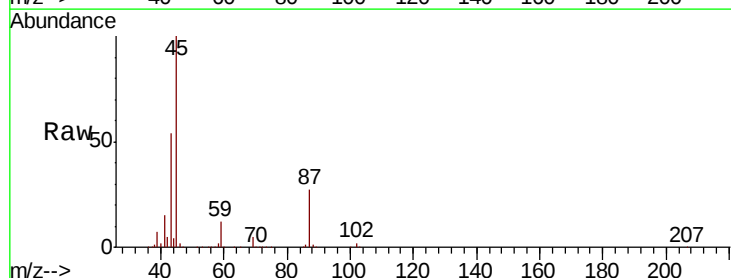
Ion Ratio Lower Upper

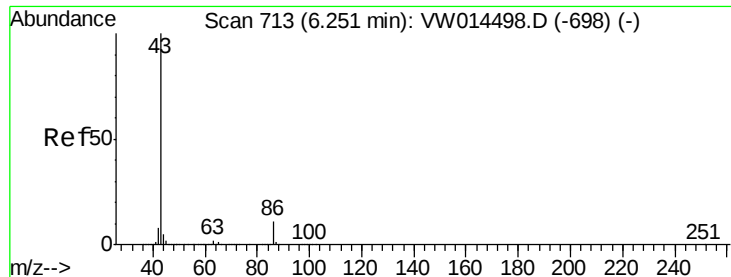
45 100

43 53.8 41.4 62.0

87 27.0 22.2 33.2

59 11.5 9.5 14.3





#23

Vinyl Acetate

Concen: 97.309 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

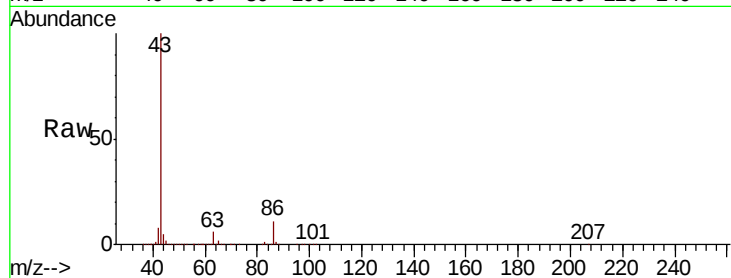
ClientSampled :

Tot Ion: 43 Resp: 1204411

Ion Ratio Lower Upper

43 100

86 10.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

400000

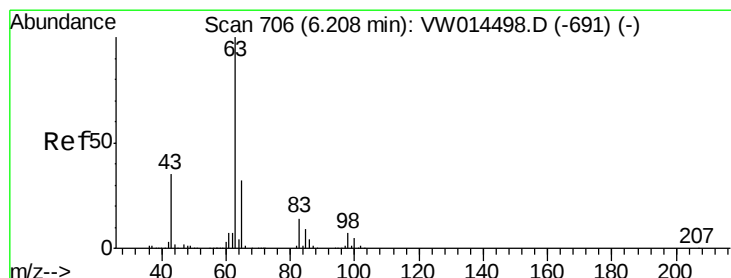
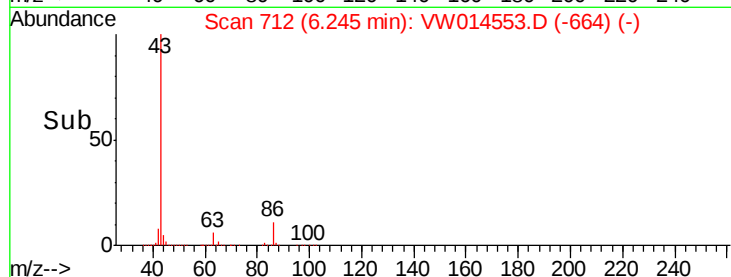
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.686 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

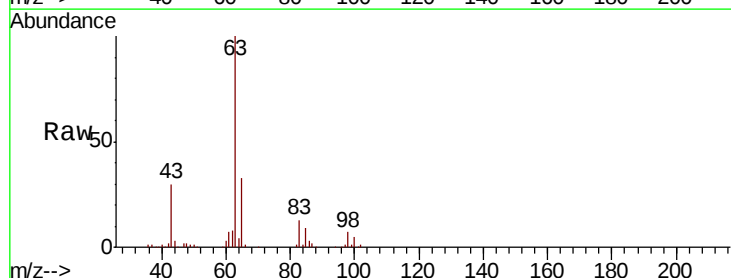
Tgt Ion: 63 Resp: 280380

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 5.3 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

120000

100000

80000

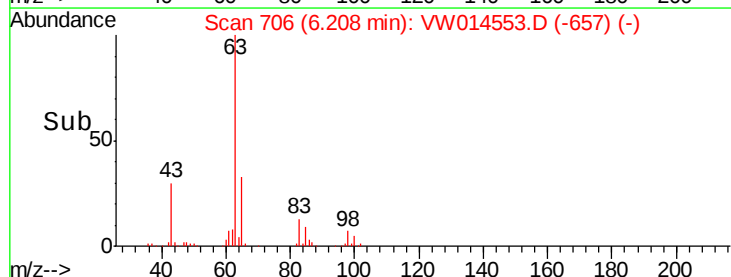
60000

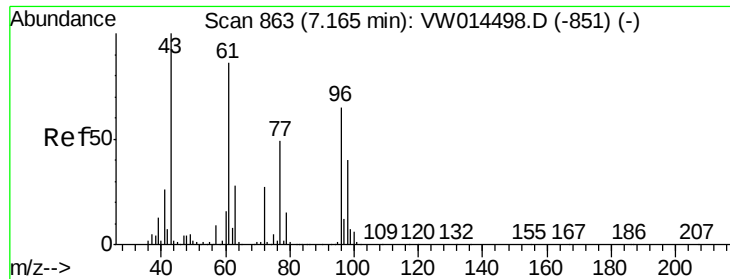
40000

20000

0

Time-->

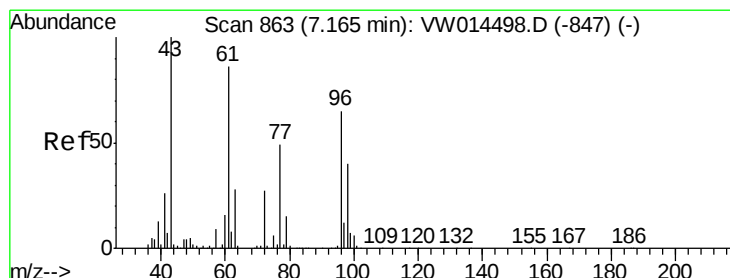
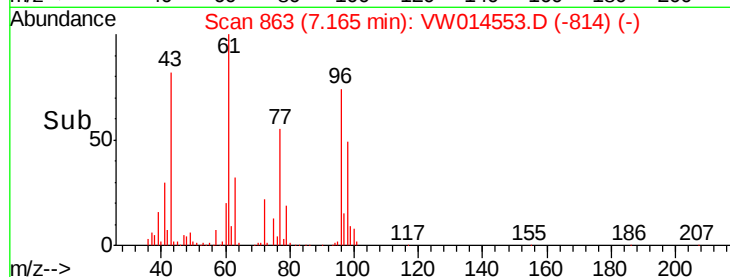
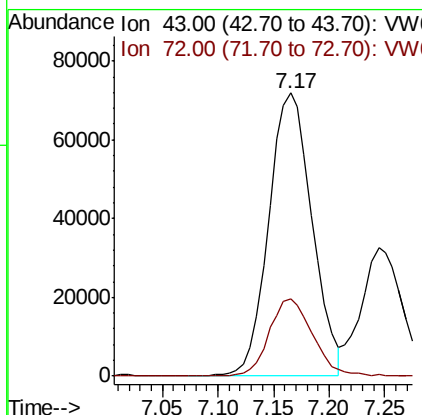
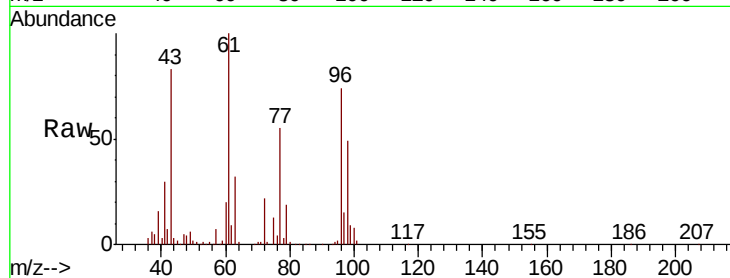




#25
2-Butanone
Concen: 85.016 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

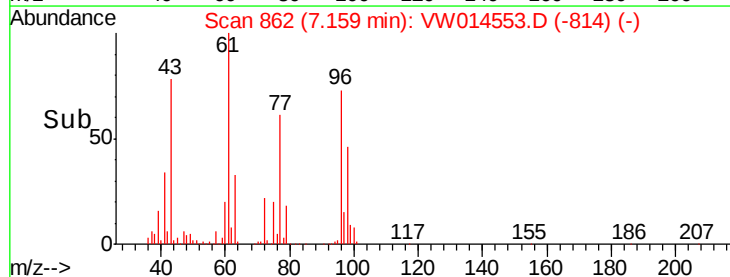
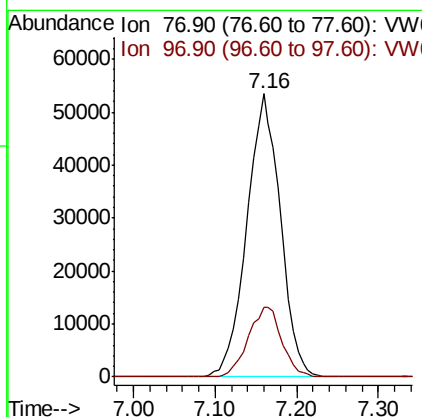
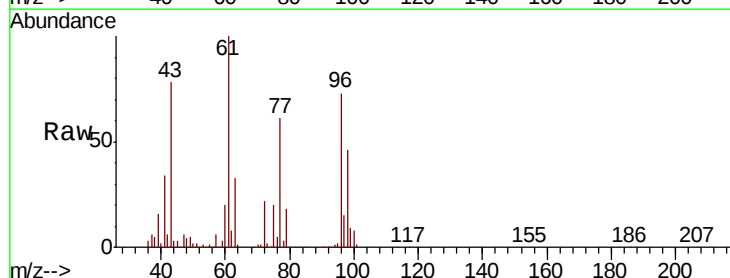
Instrument :
MSVOA_W
ClientSampled :

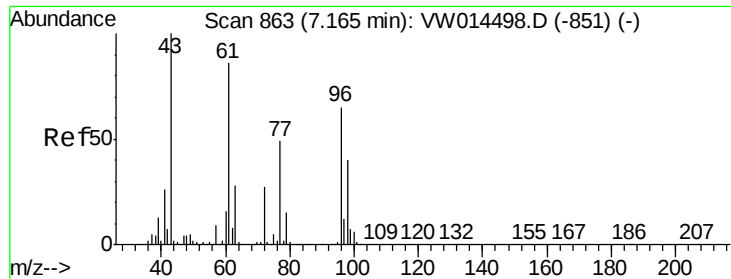
Tot Ion: 43 Resp: 193956
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9



#26
2,2-Dichloropropane
Concen: 21.365 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 77 Resp: 152933
Ion Ratio Lower Upper
77 100
97 24.5 12.5 37.5



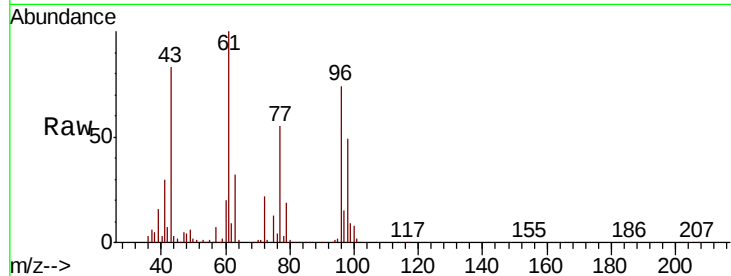


#27

cis-1,2-Dichloroethene
Concen: 21.571 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	274.8
98	63.9	0.0	128.6

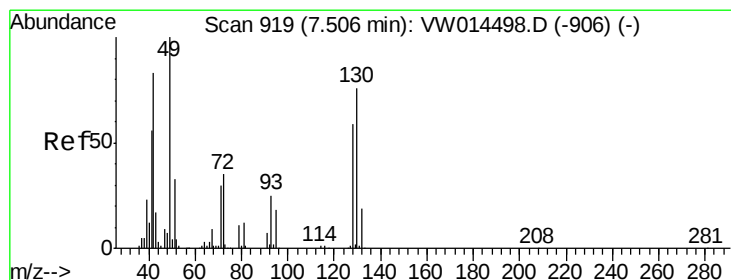
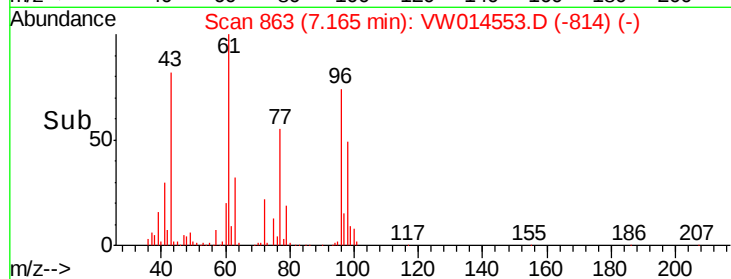
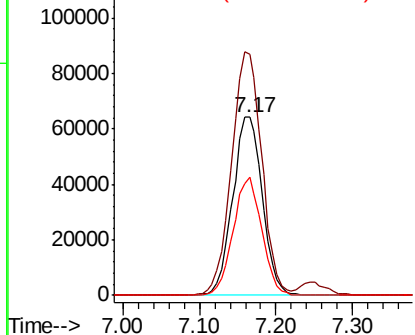


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

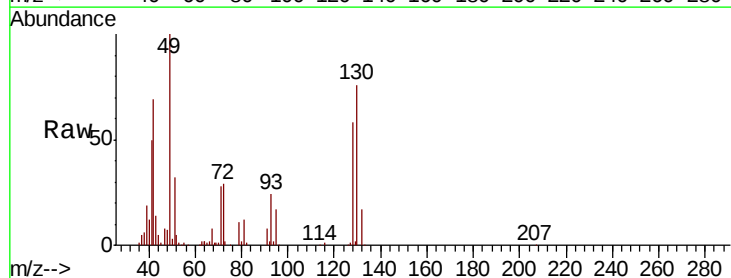
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 18.860 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.0
130	76.0	62.5	93.7

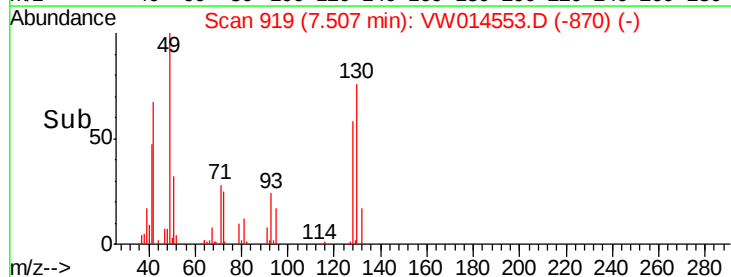
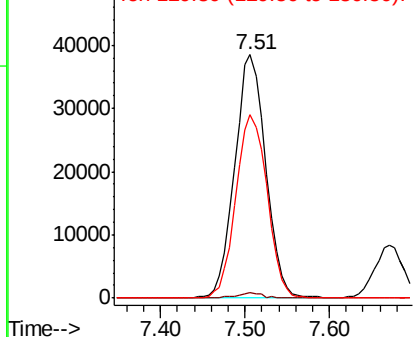


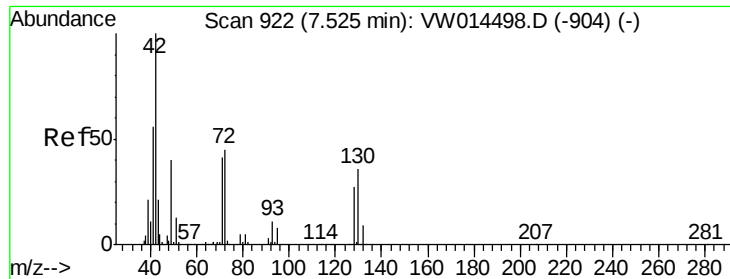
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

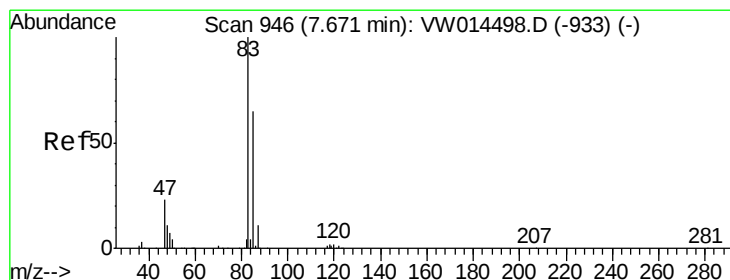
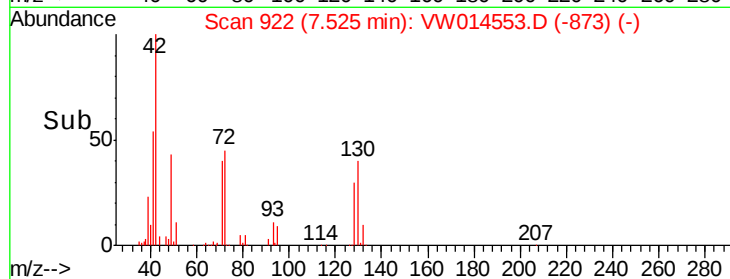
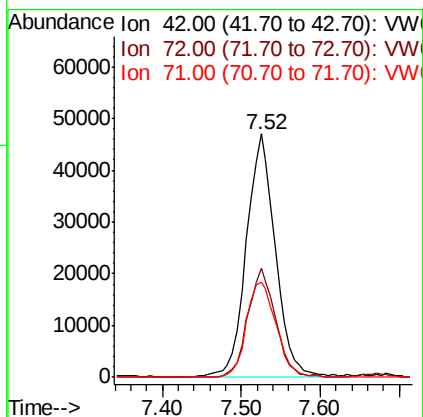
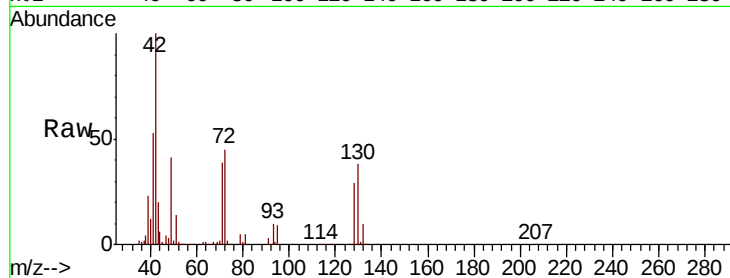




#29
Tetrahydrofuran
Concen: 85.524 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

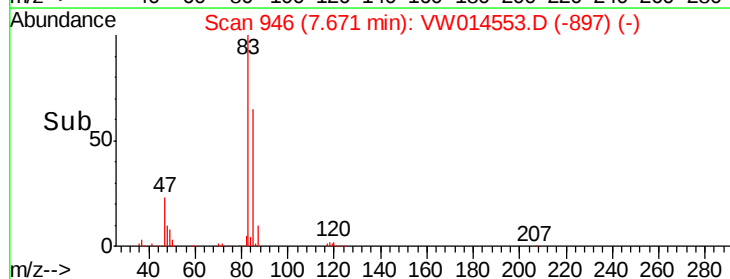
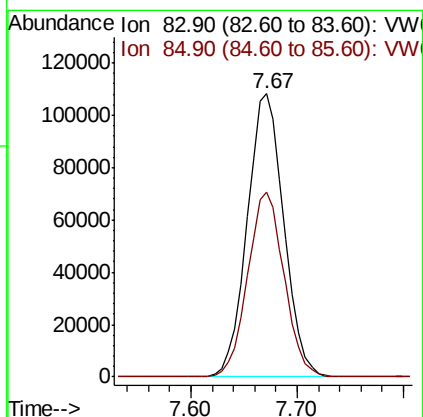
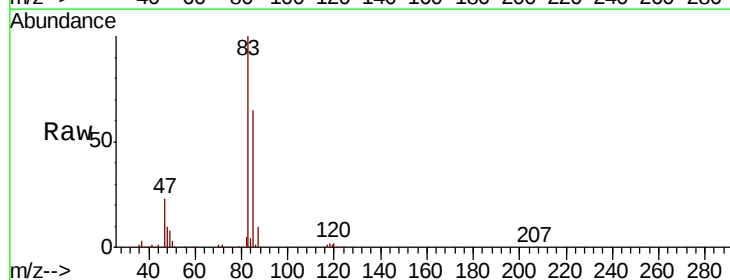
Instrument :
MSVOA_W
ClientSampled :

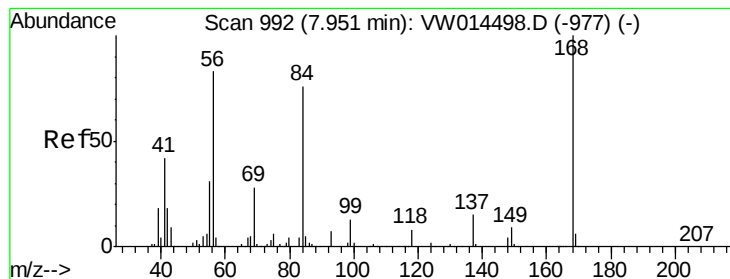
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.5	51.7
71	40.2	32.0	48.0



#30
Chloroform
Concen: 21.629 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2





#31

Cyclohexane

Concen: 20.401 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

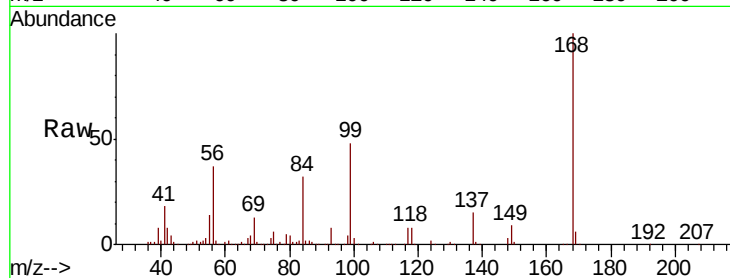
Tot Ion: 56 Resp: 274113

Ion Ratio Lower Upper

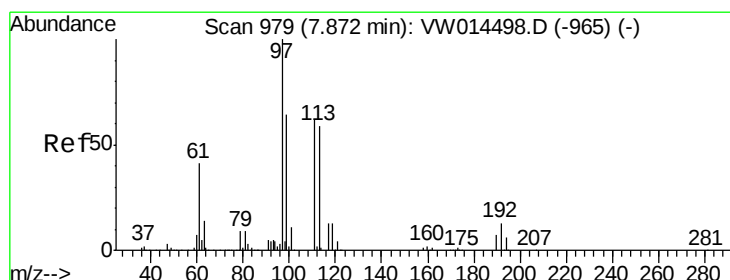
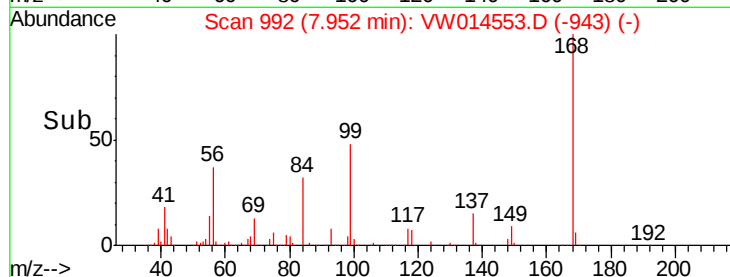
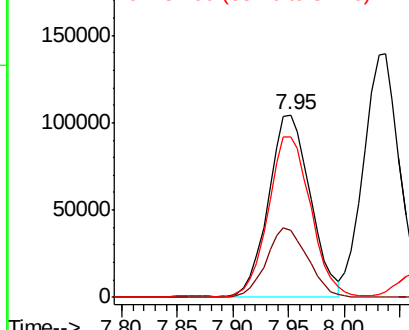
56 100

69 36.6 26.8 40.2

84 87.0 71.8 107.6



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



#32

1,1,1-Trichloroethane

Concen: 21.306 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

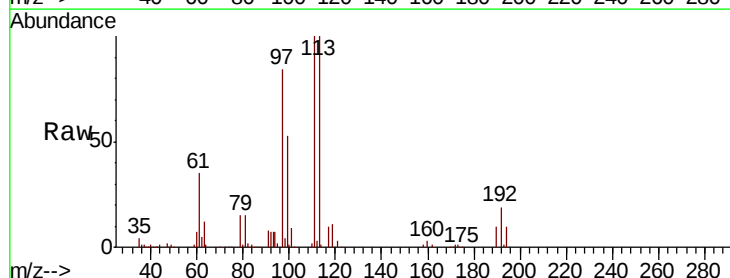
Tgt Ion: 97 Resp: 207176

Ion Ratio Lower Upper

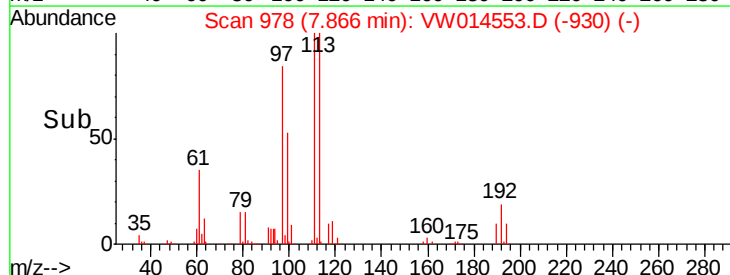
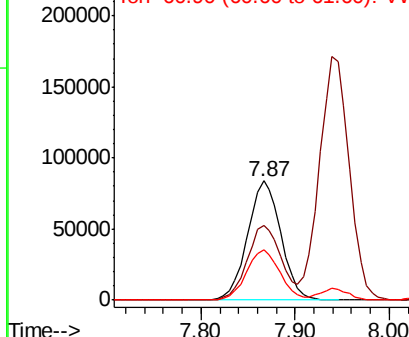
97 100

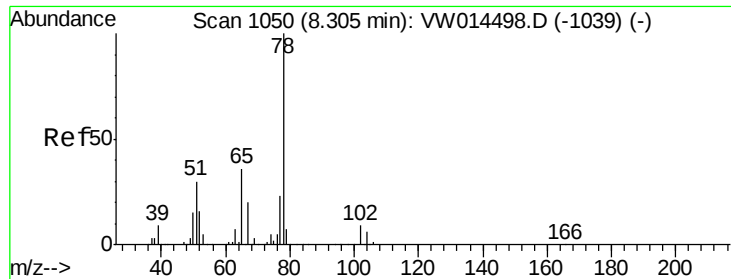
99 64.5 51.8 77.6

61 42.6 33.8 50.8



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

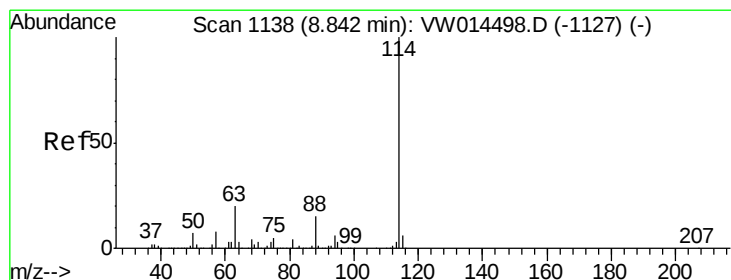
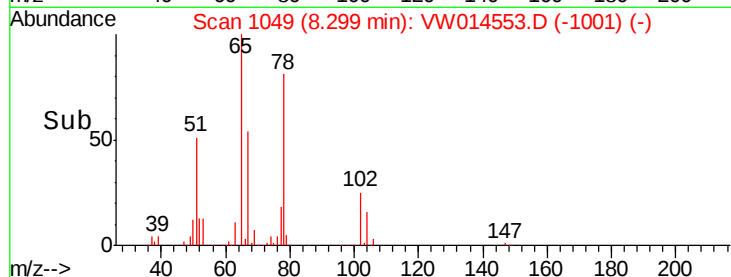
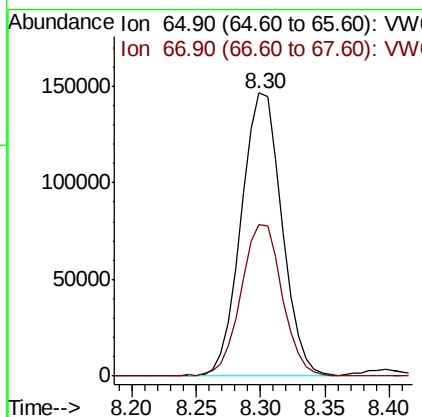
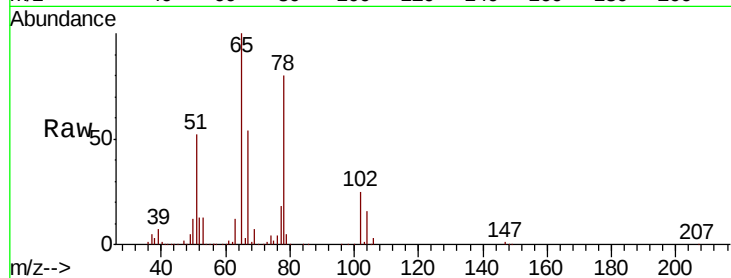




#33
 1,2-Dichloroethane-d4
 Concen: 50.982 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

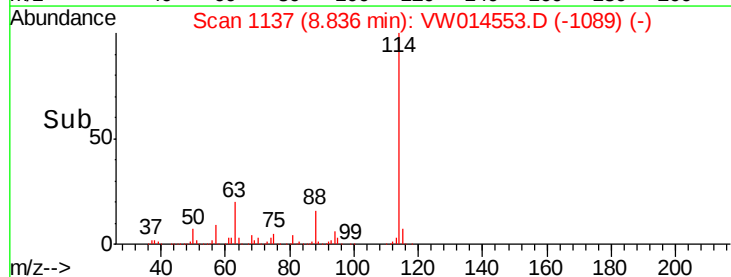
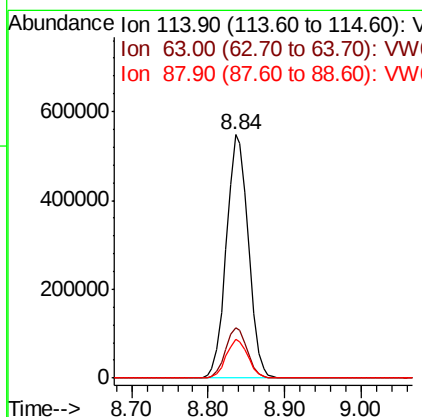
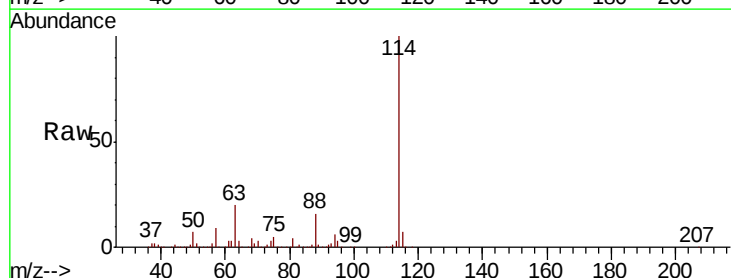
Instrument :
 MSVOA_W
 ClientSampleId :

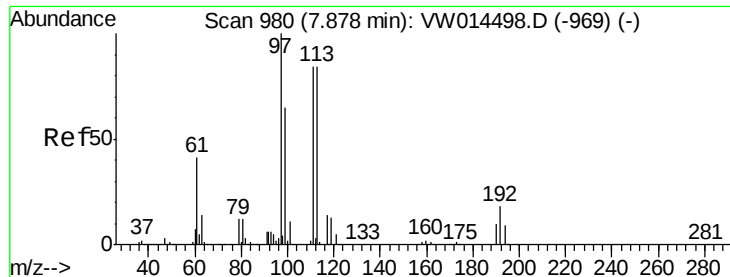
Tot Ion: 65 Resp: 320977
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion: 114 Resp: 1085520
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.4
 88 16.0 0.0 30.6

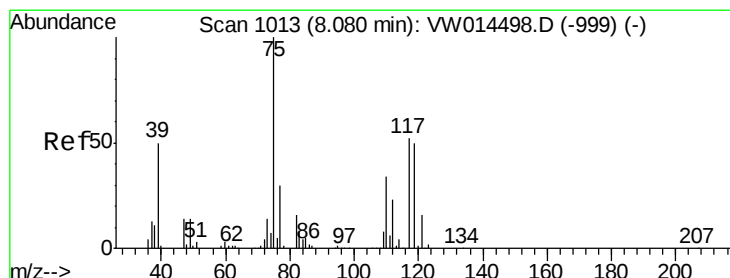
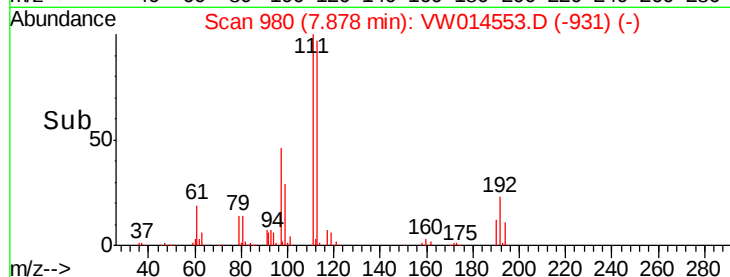
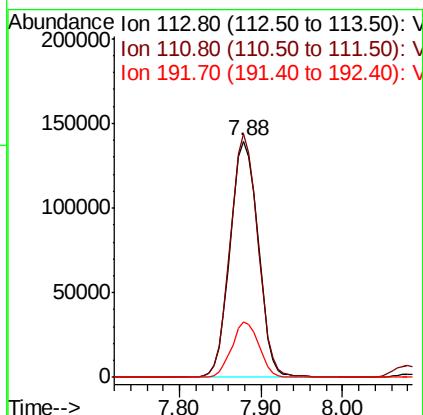
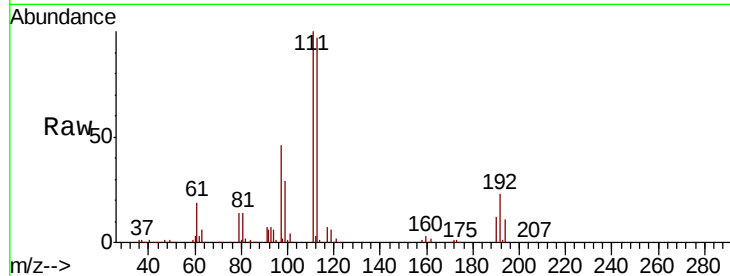




#35
 Dibromofluoromethane
 Concen: 53.408 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

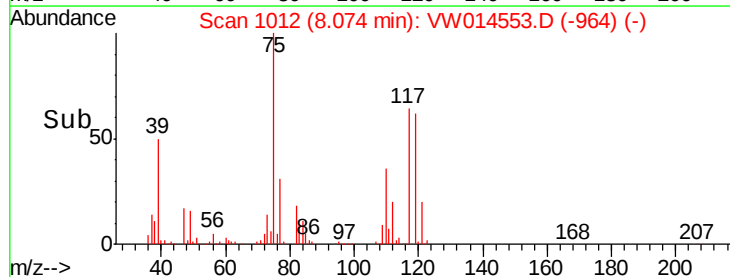
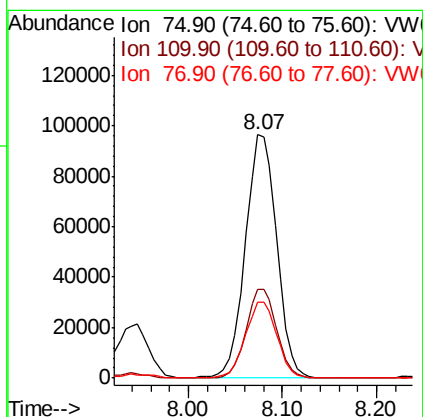
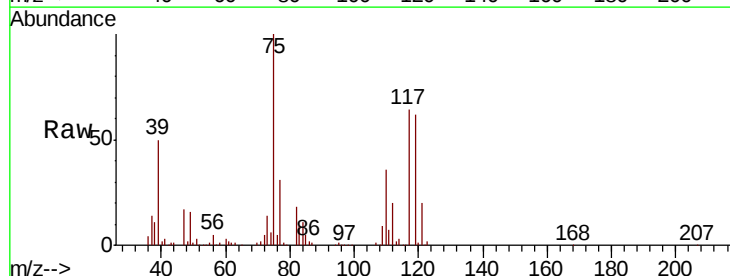
Instrument :
 MSVOA_W
 ClientSampleId :

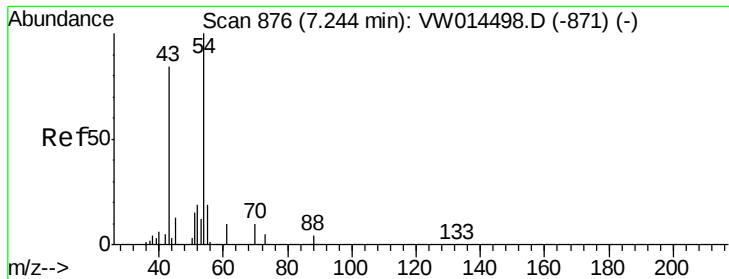
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.4	122.2
192	22.7	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 21.318 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.8	53.5
77	31.7	24.7	37.1

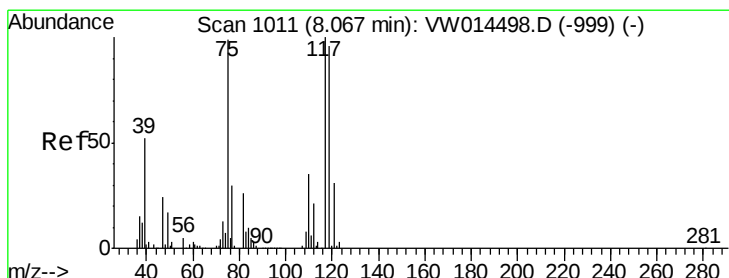
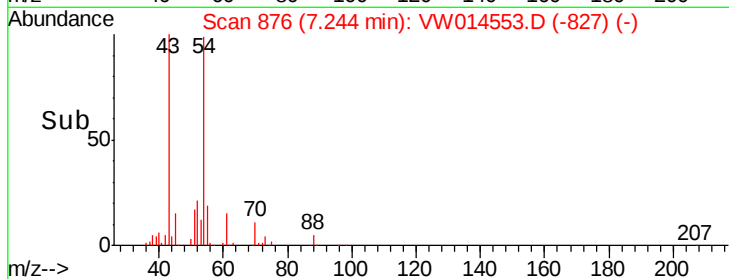
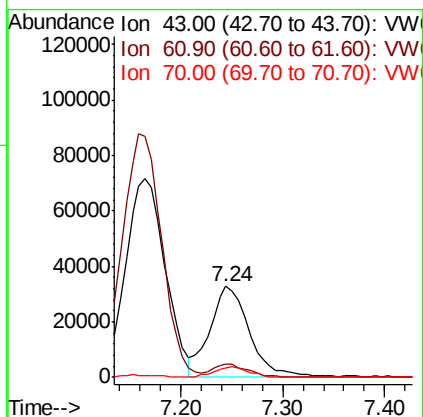
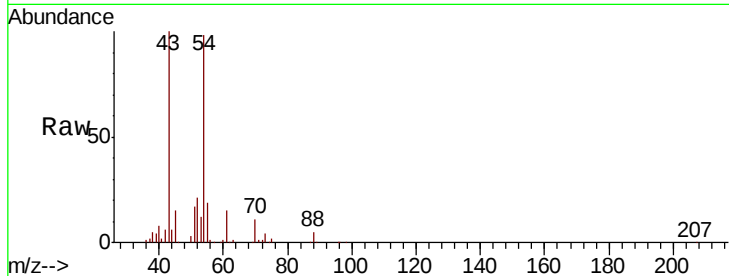




#37
Ethyl Acetate
Concen: 18.358 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

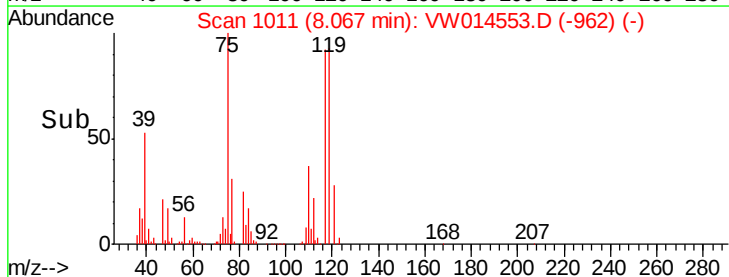
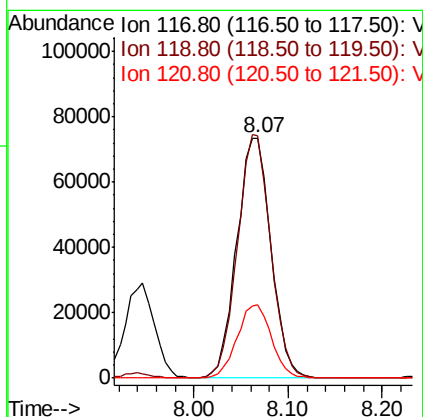
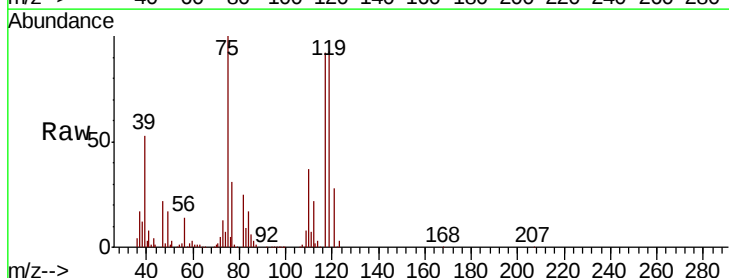
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 87129
Ion Ratio Lower Upper
43 100
61 13.4 11.7 17.5
70 10.8 9.0 13.6



#38
Carbon Tetrachloride
Concen: 20.572 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 117 Resp: 186773
Ion Ratio Lower Upper
117 100
119 101.1 77.0 115.6
121 30.8 24.6 36.8

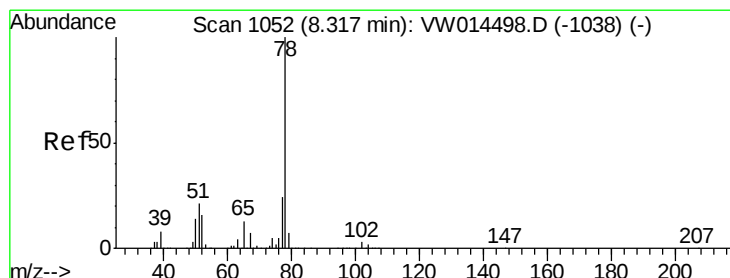
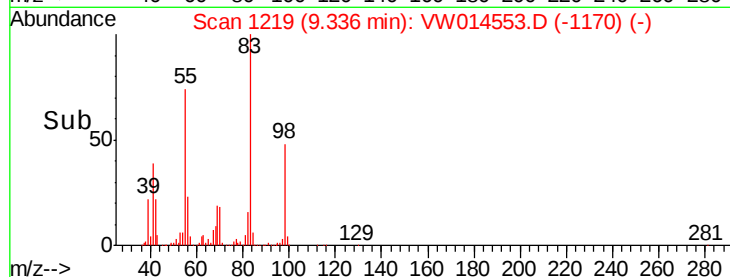
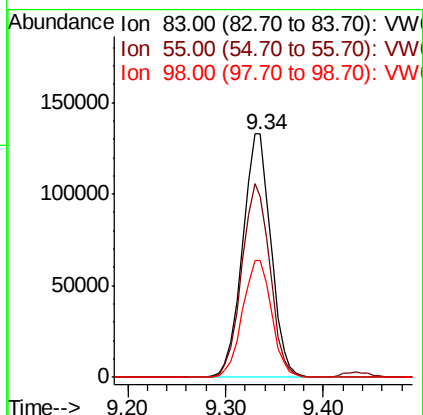
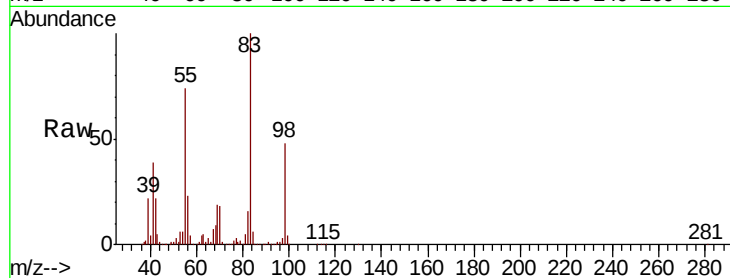




#39
Methvlcvclohexane
Concen: 19.960 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

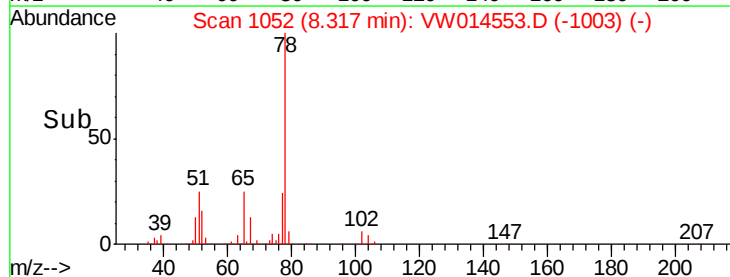
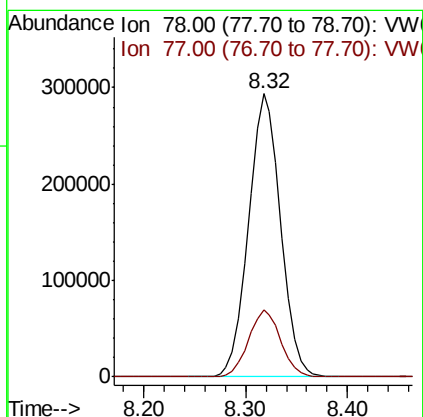
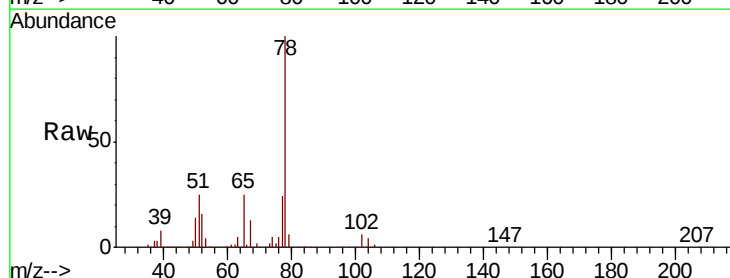
Instrument :
MSVOA_W
ClientSampleId :

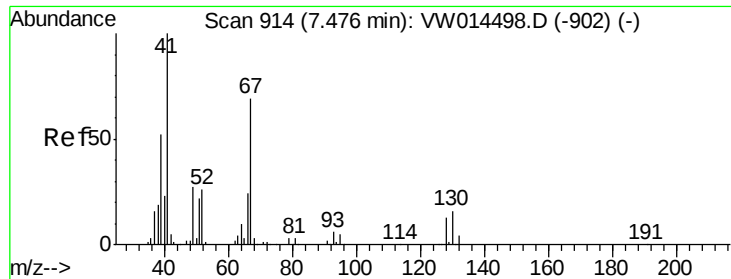
Tot Ion: 83 Resp: 268058
Ion Ratio Lower Upper
83 100
55 74.2 60.1 90.1
98 47.8 38.8 58.2



#40
Benzene
Concen: 21.654 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 78 Resp: 641157
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9

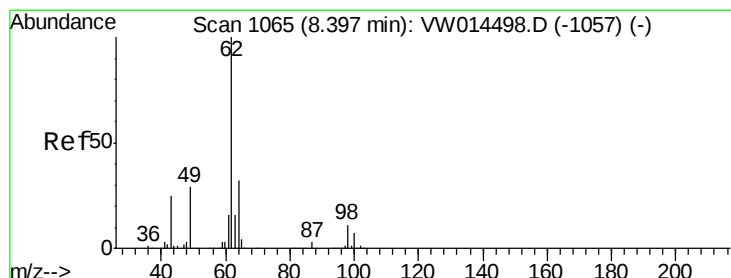
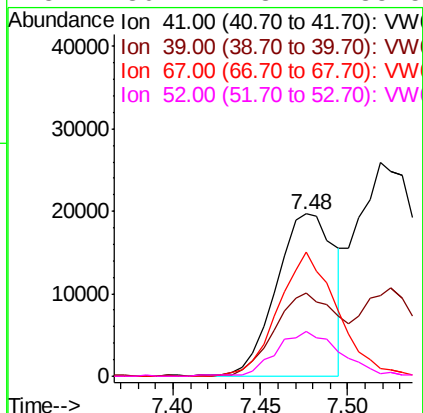
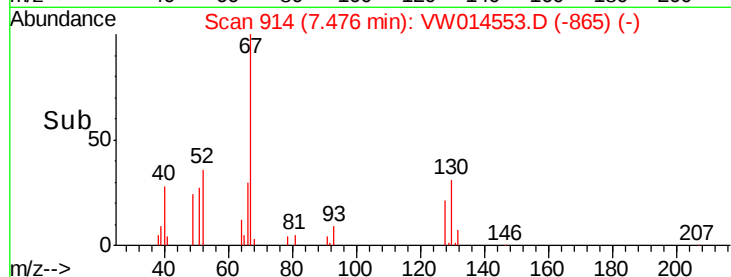
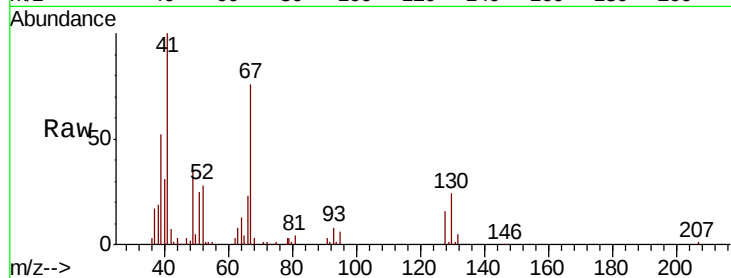




#41
Methacrylonitrile
Concen: 17.374 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

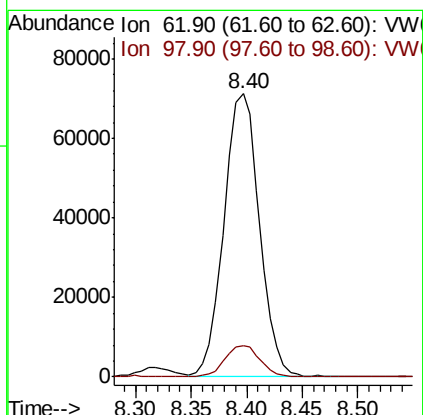
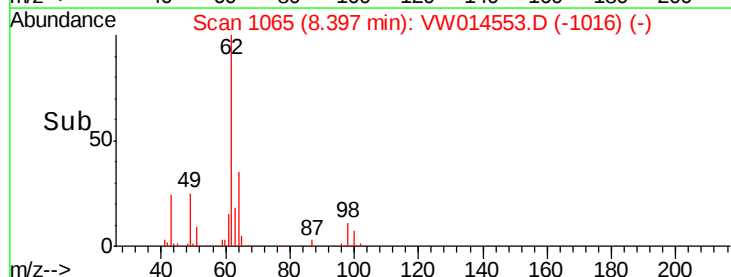
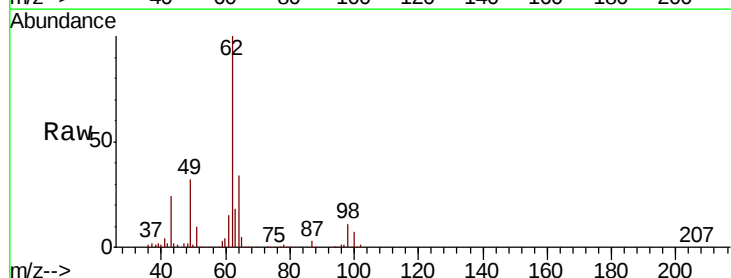
Instrument :
MSVOA_W
ClientSampled :

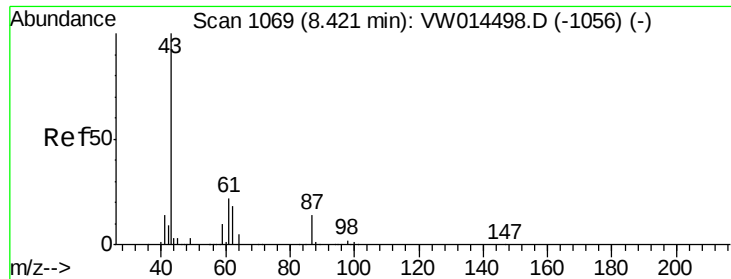
Tot Ion:	41	Resp:	45967
Ion	Ratio	Lower	Upper
41	100		
39	56.6	46.0	69.0
67	77.9	60.8	91.2
52	30.7	23.7	35.5



#42
1,2-Dichloroethane
Concen: 20.445 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion:	62	Resp:	157094
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0





#43

Isopropyl Acetate

Concen: 18.603 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

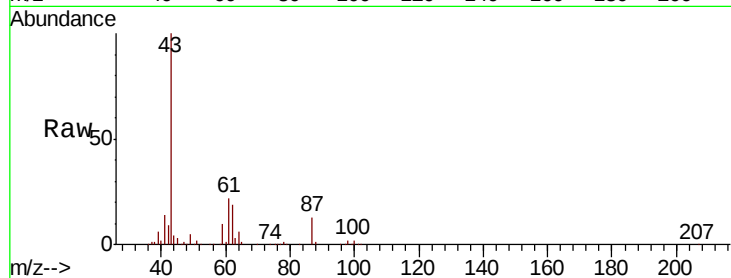
Tot Ion: 43 Resp: 160328

Ion Ratio Lower Upper

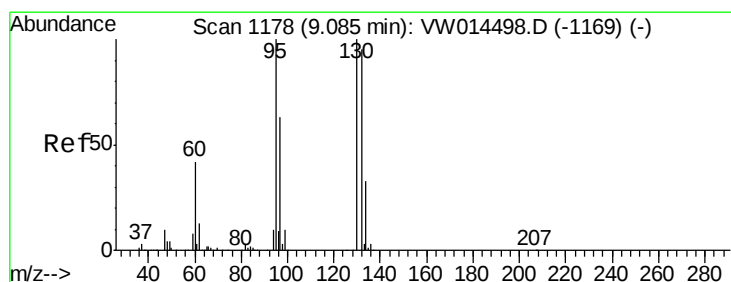
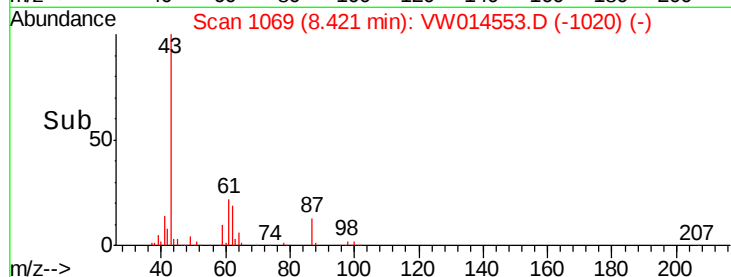
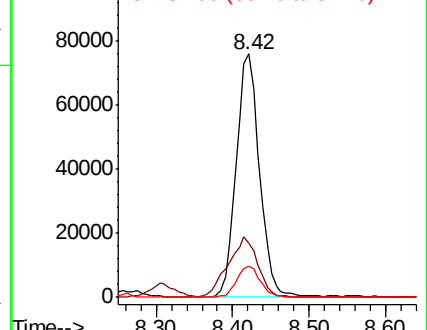
43 100

61 31.1 24.7 37.1

87 13.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.424 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014553.D

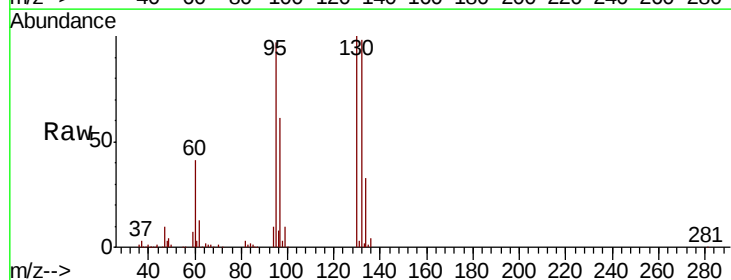
Acq: 08 Jan 2020 11:36

Tgt Ion: 130 Resp: 171647

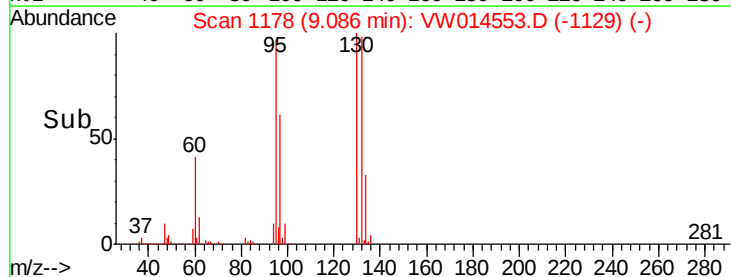
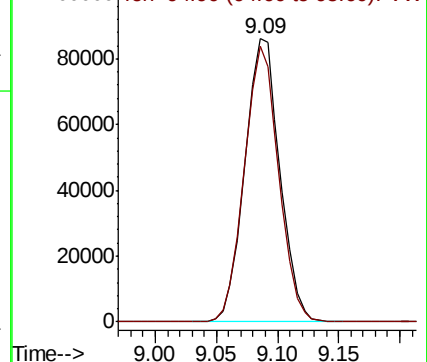
Ion Ratio Lower Upper

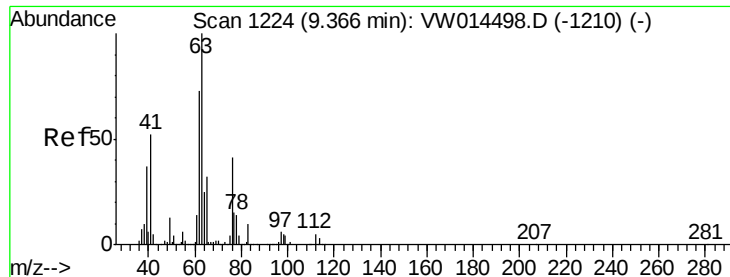
130 100

95 97.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

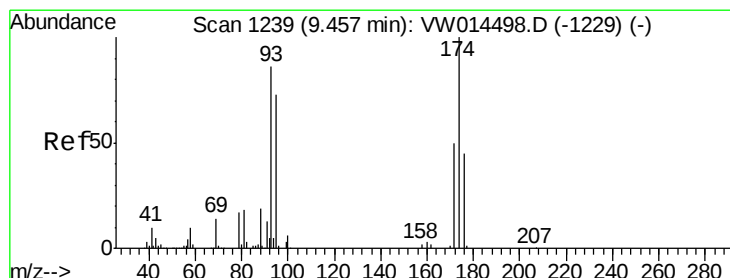
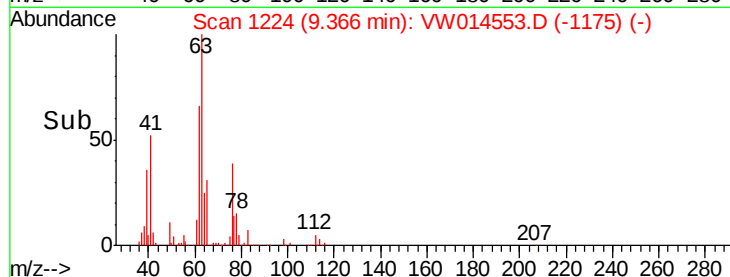
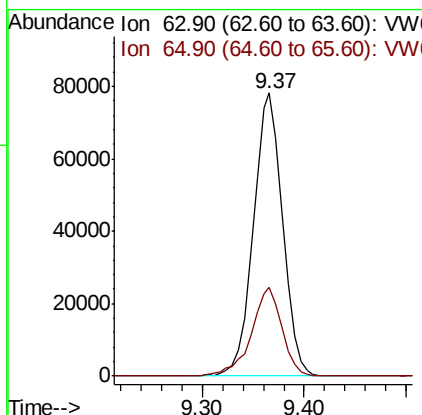
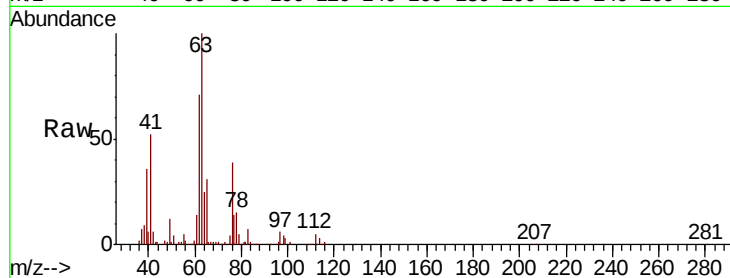




#45
 1,2-Dichloropropane
 Concen: 21.470 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

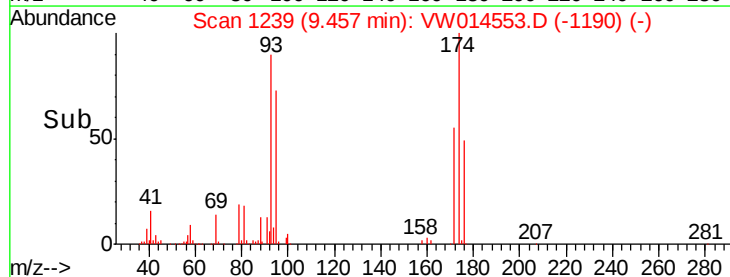
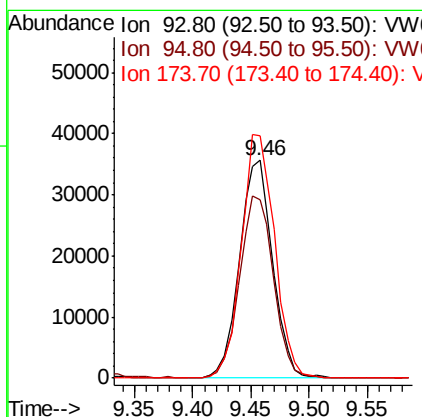
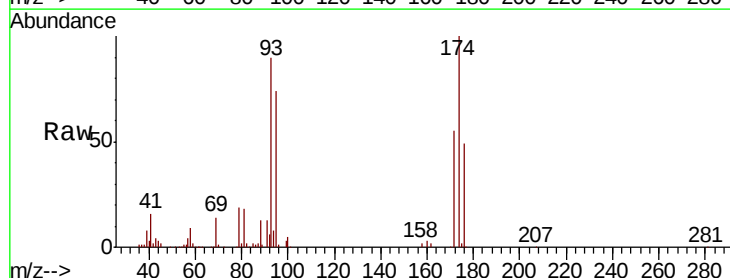
Instrument :
 MSVOA_W
 ClientSampleId :

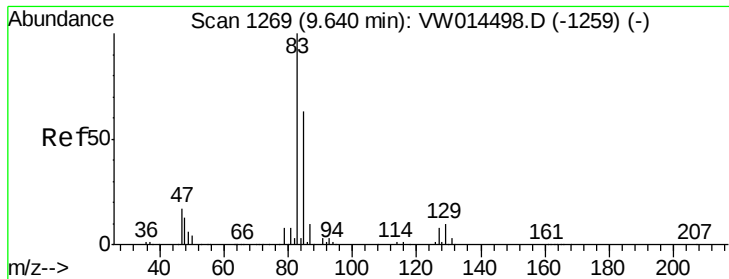
Tot Ion: 63 Resp: 155998
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.6 38.4



#46
 Dibromomethane
 Concen: 19.762 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion: 93 Resp: 70884
 Ion Ratio Lower Upper
 93 100
 95 85.6 66.4 99.6
 174 112.2 89.1 133.7





#47

Bromodichloromethane

Concen: 20.898 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

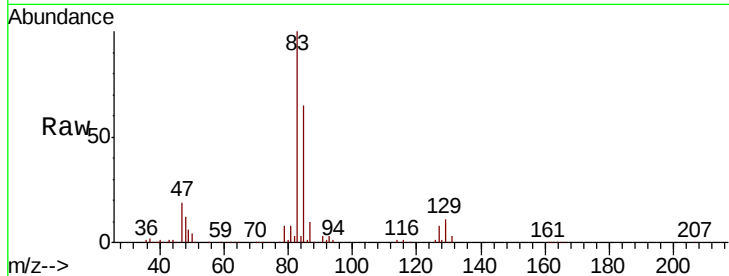
Tot Ion: 83 Resp: 185062

Ion Ratio Lower Upper

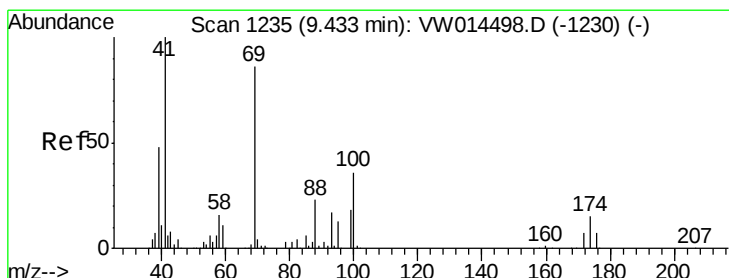
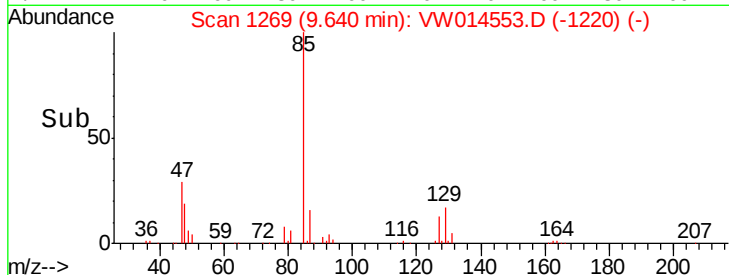
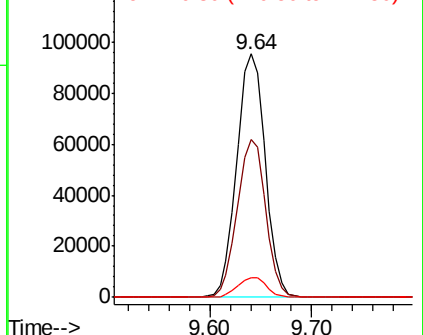
83 100

85 65.1 50.6 76.0

127 8.2 6.6 9.8



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



#48

Methyl methacrylate

Concen: 16.575 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

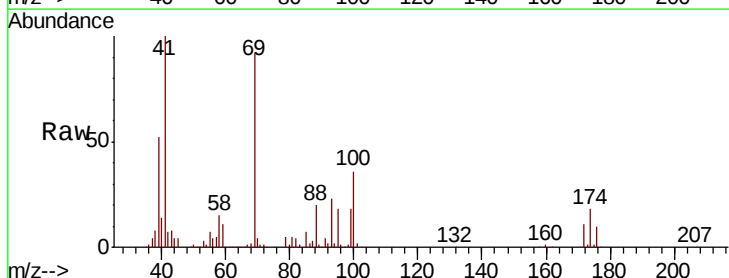
Tgt Ion: 41 Resp: 69744

Ion Ratio Lower Upper

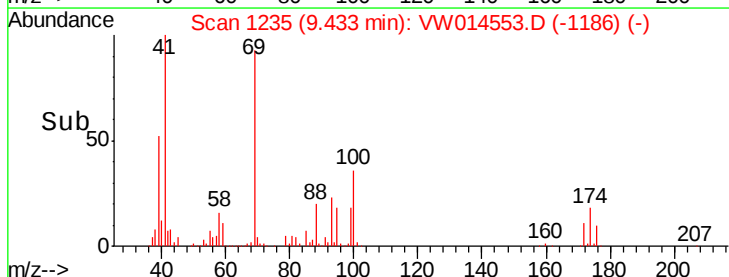
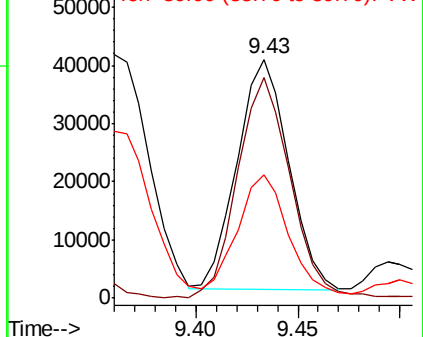
41 100

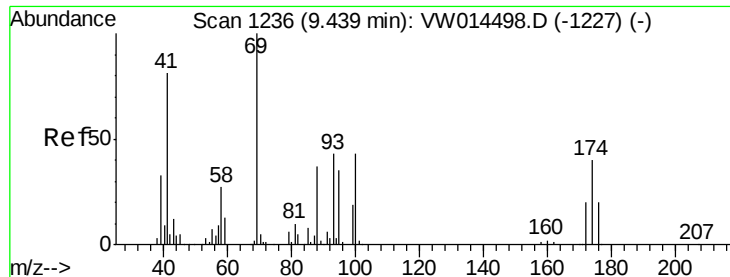
69 97.0 68.3 102.5

39 49.4 36.8 55.2



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





#49

1,4-Dioxane

Concen: 320.569 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :

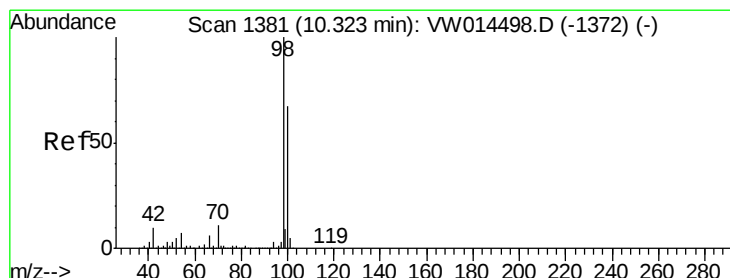
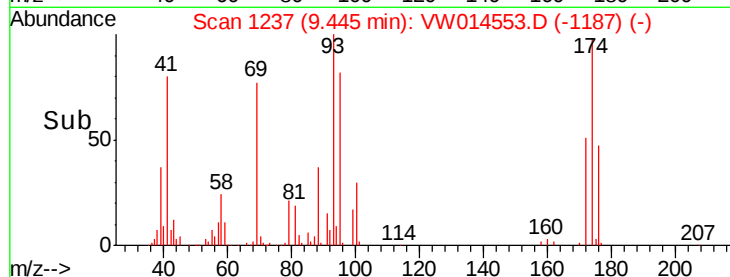
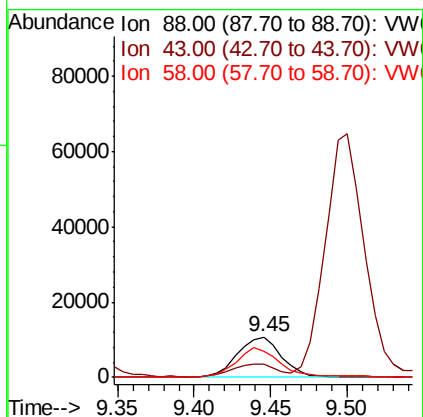
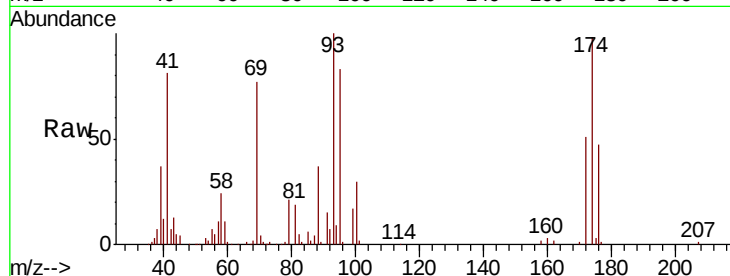
Tot Ion: 88 Resp: 21506

Ion Ratio Lower Upper

88 100

43 32.4 24.9 37.3

58 75.5 56.9 85.3



#50

Toluene-d8

Concen: 52.615 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VW014553.D

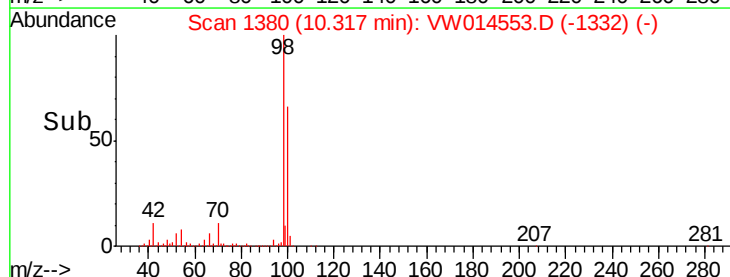
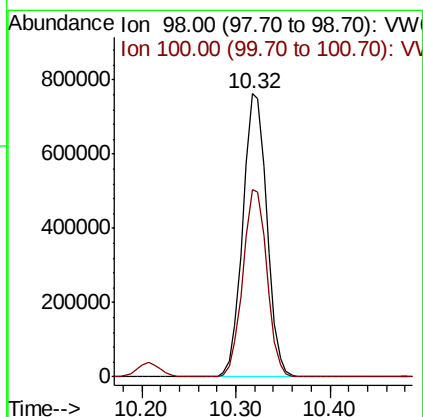
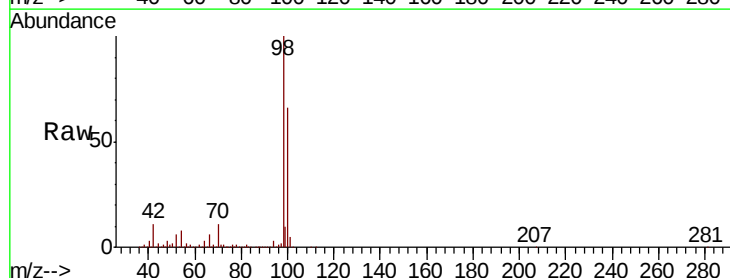
Acq: 08 Jan 2020 11:36

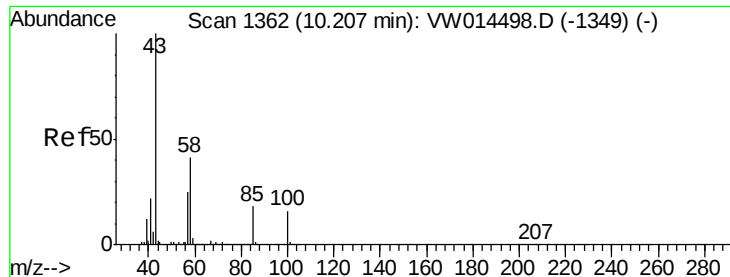
Tgt Ion: 98 Resp: 1362221

Ion Ratio Lower Upper

98 100

100 66.1 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 89.104 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

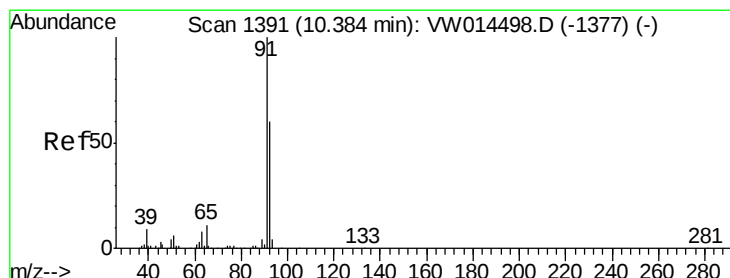
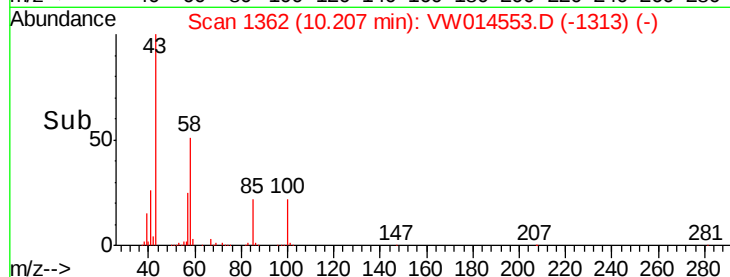
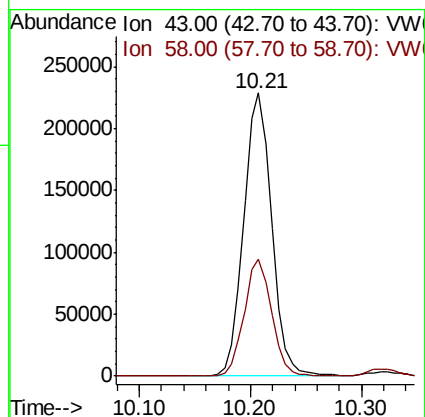
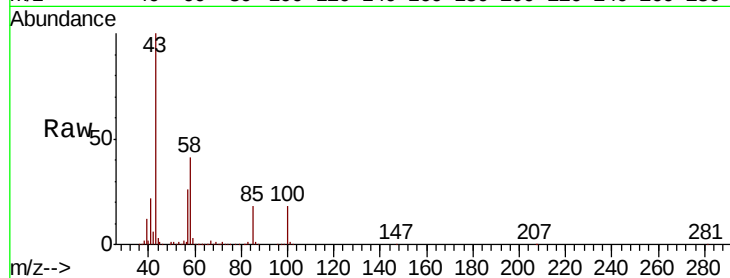
ClientSampled :

Tot Ion: 43 Resp: 398796

Ion Ratio Lower Upper

43 100

58 40.8 32.7 49.1



#52

Toluene

Concen: 21.670 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014553.D

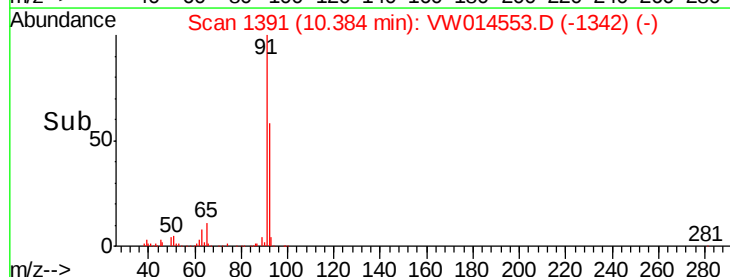
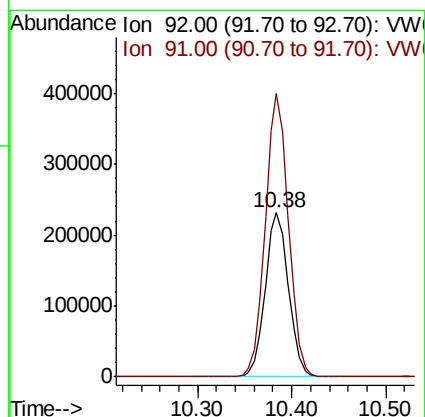
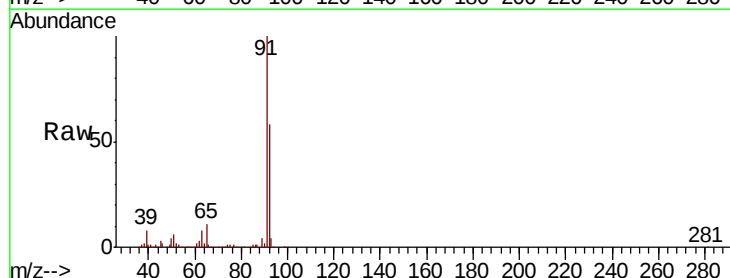
Acq: 08 Jan 2020 11:36

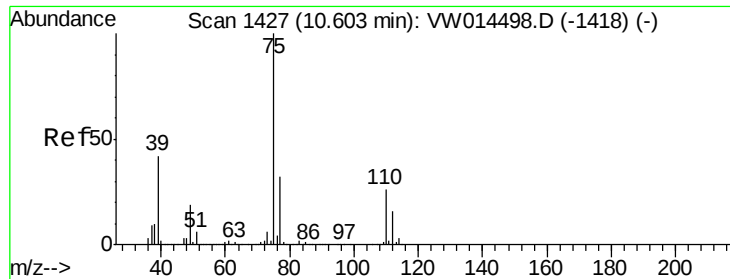
Tgt Ion: 92 Resp: 403659

Ion Ratio Lower Upper

92 100

91 171.2 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 19.959 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

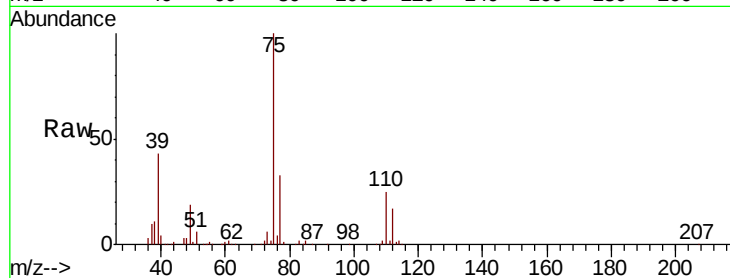
ClientSampleId :

Tot Ion: 75 Resp: 183000

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

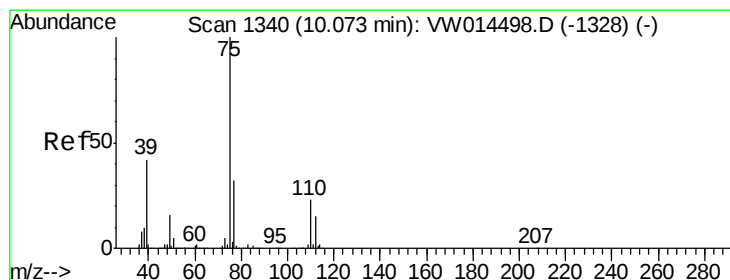
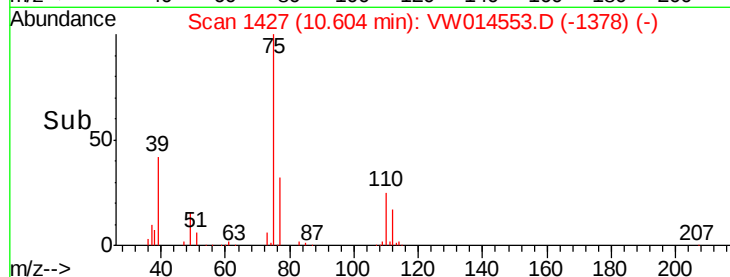
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 20.980 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

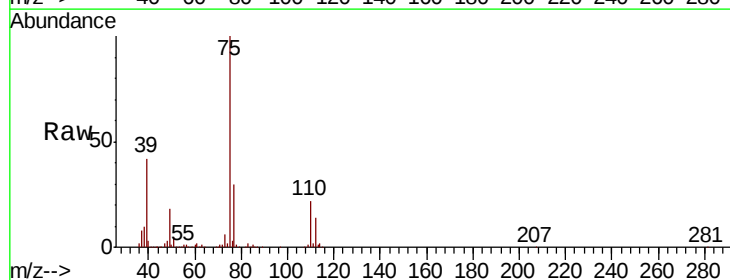
Tgt Ion: 75 Resp: 235102

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.0

39 42.0 33.4 50.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

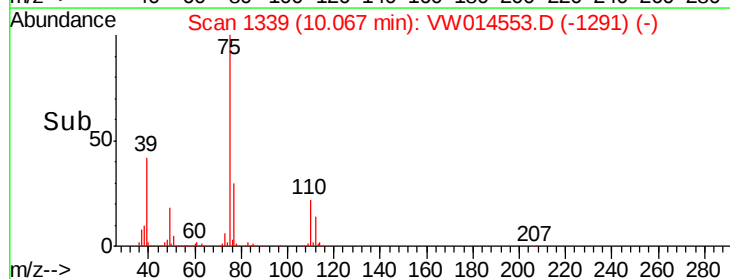
150000

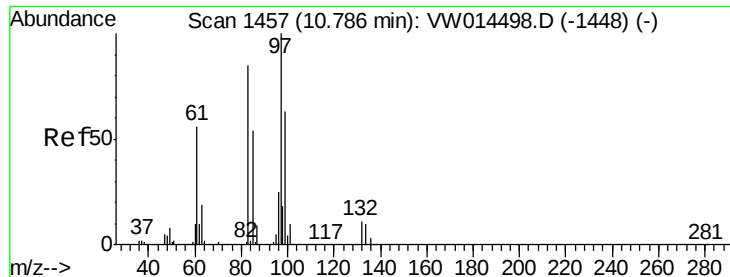
100000

50000

0

Time--> 10.00 10.10 10.20

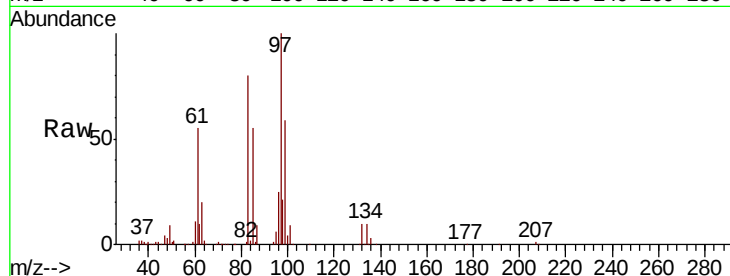




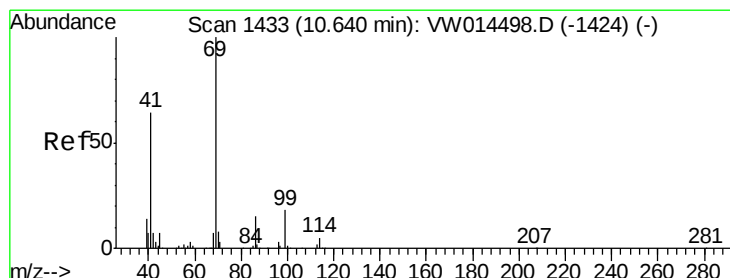
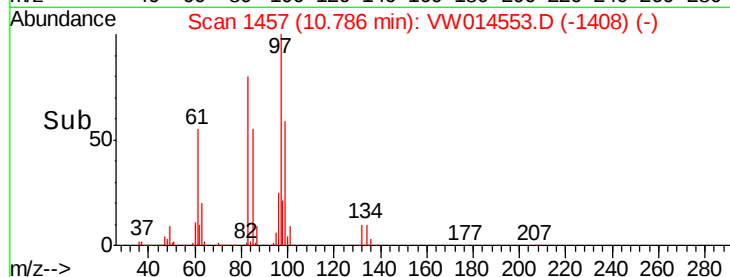
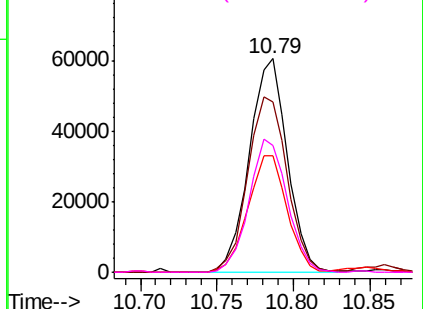
#55
 1,1,2-Trichloroethane
 Concen: 20.032 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	104941
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.2	102.4
85	54.5	43.0	64.4
99	59.1	50.1	75.1

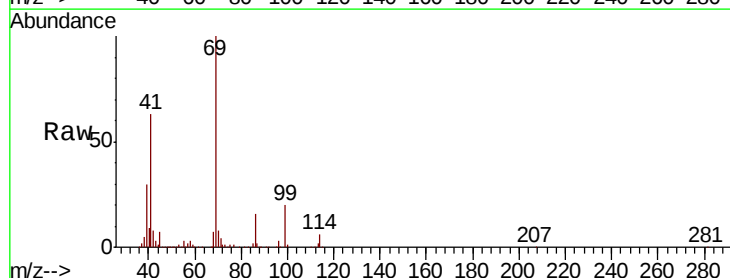


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

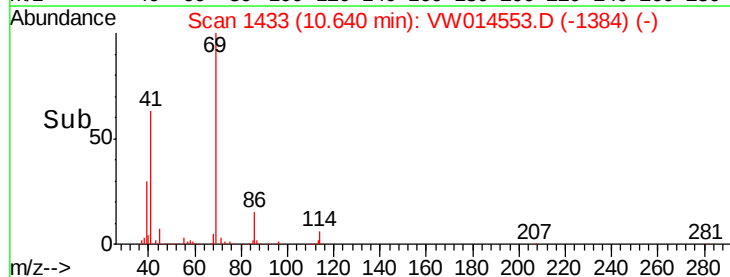
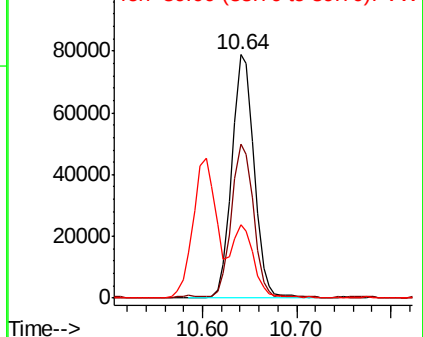


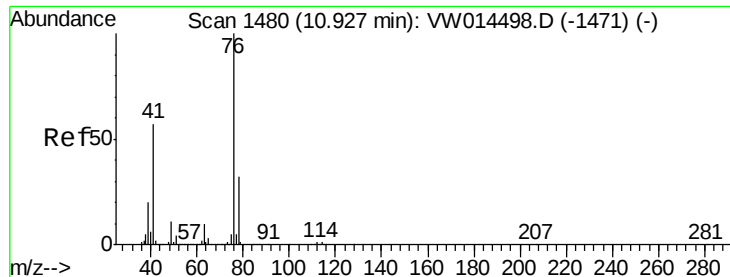
#56
 Ethyl methacrylate
 Concen: 19.080 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion:	69	Resp:	129899
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.3	76.9
39	25.2	21.0	31.6



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





#57

1,3-Dichloropropane

Concen: 19.940 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

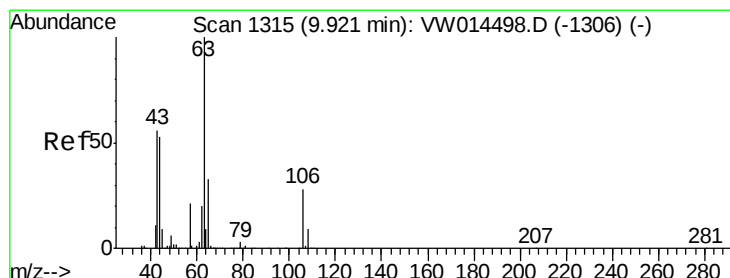
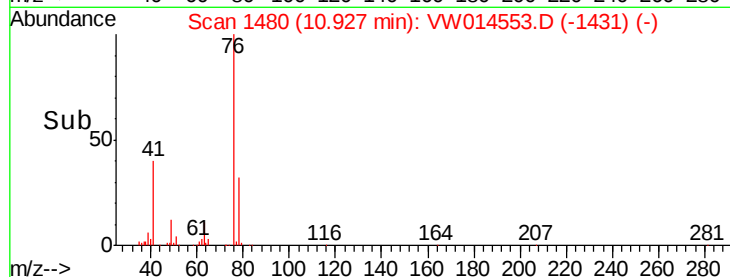
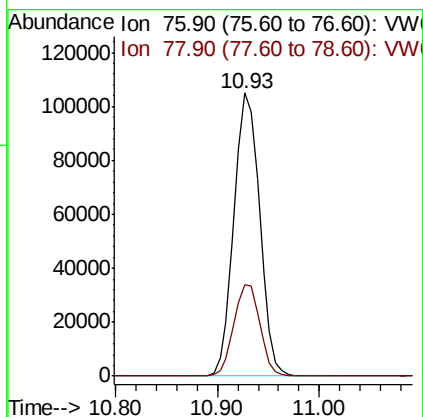
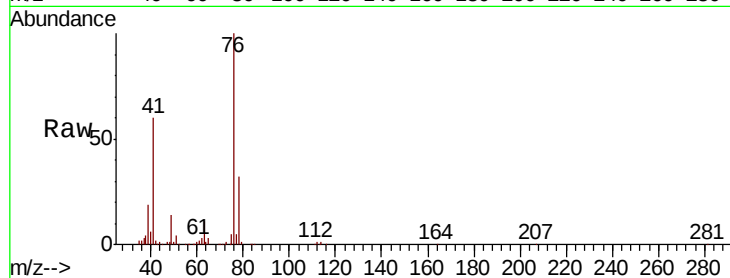
ClientSampled :

Tot Ion: 76 Resp: 183583

Ion Ratio Lower Upper

76 100

78 32.6 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 90.725 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014553.D

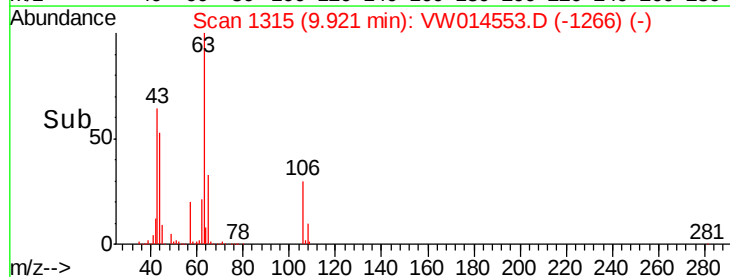
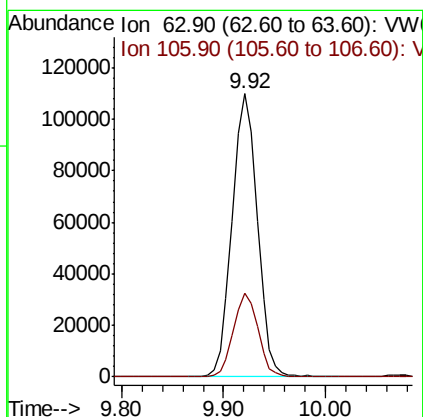
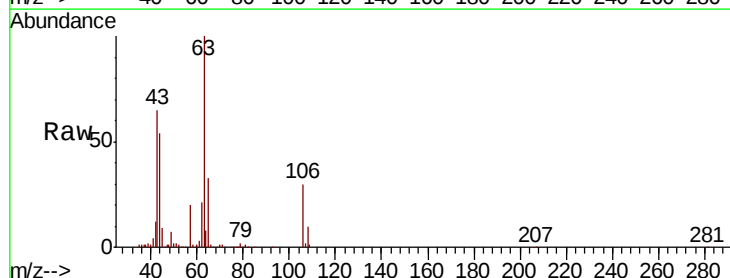
Acq: 08 Jan 2020 11:36

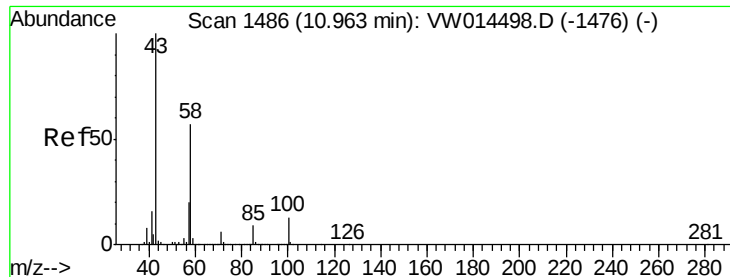
Tgt Ion: 63 Resp: 187850

Ion Ratio Lower Upper

63 100

106 28.8 23.0 34.6

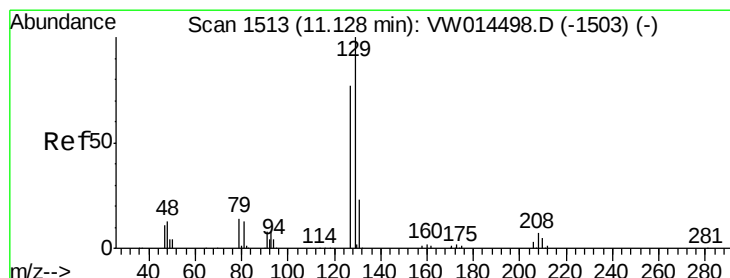
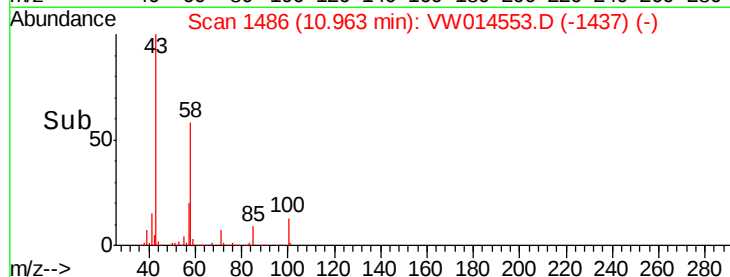
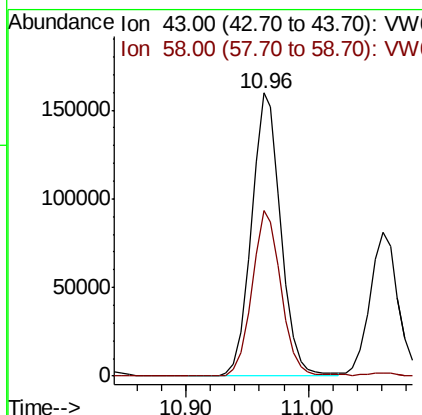
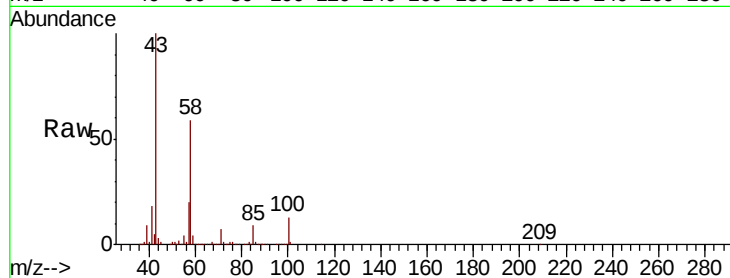




#59
2-Hexanone
Concen: 86.164 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

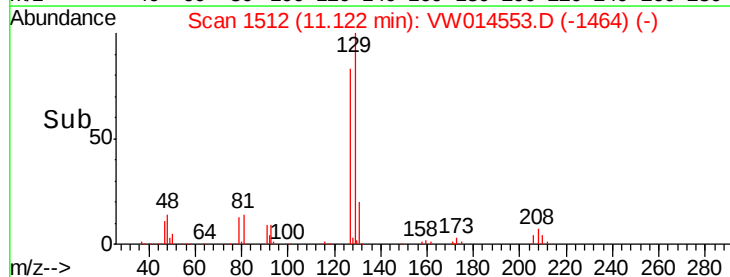
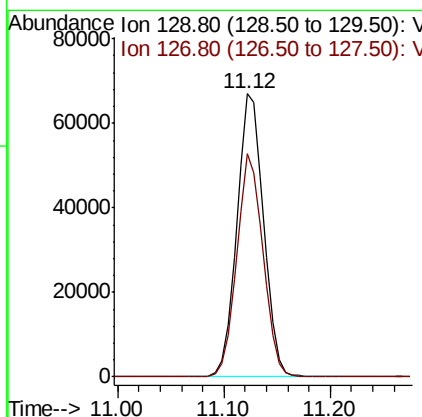
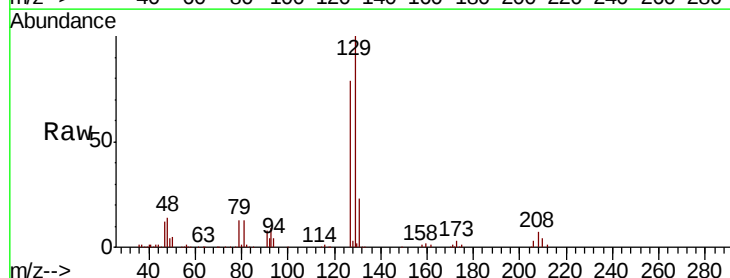
Instrument :
MSVOA_W
ClientSampled :

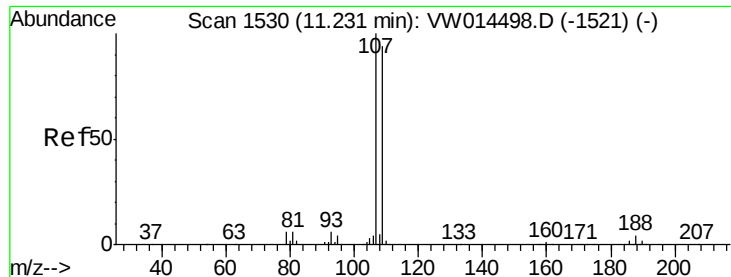
Tot Ion: 43 Resp: 265737
Ion Ratio Lower Upper
43 100
58 57.9 28.7 86.3



#60
Dibromochloromethane
Concen: 19.948 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 129 Resp: 117903
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5

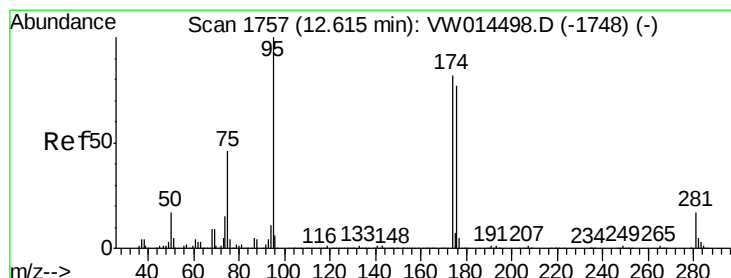
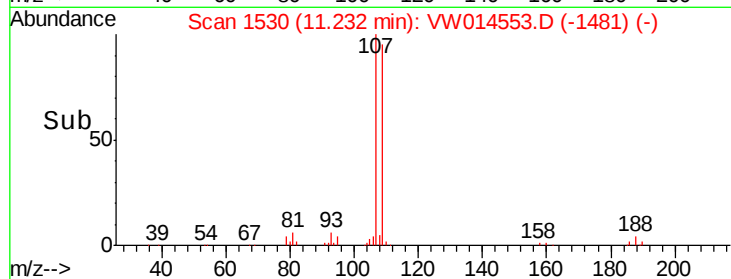
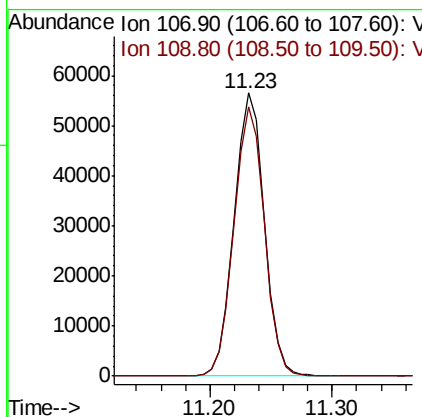
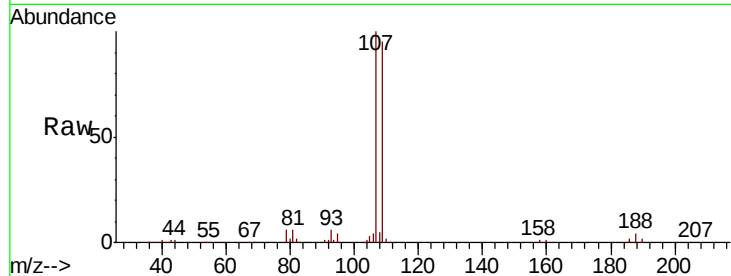




#61
 1,2-Dibromoethane
 Concen: 19.383 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

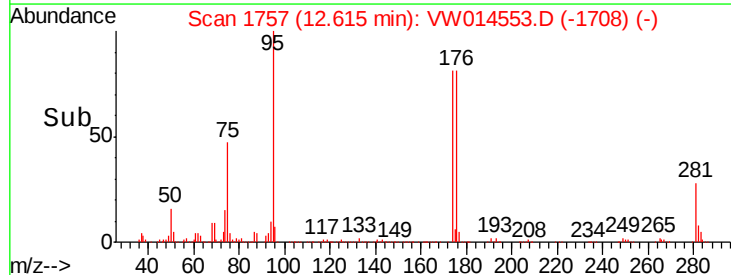
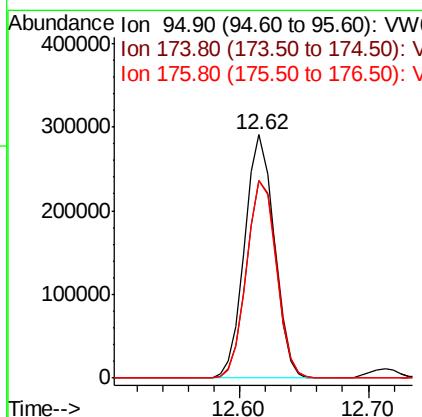
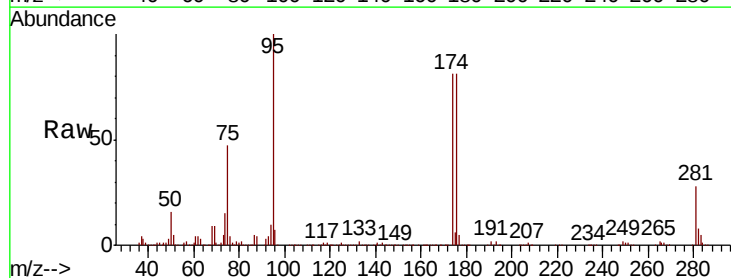
Instrument :
 MSVOA_W
 ClientSampleId :

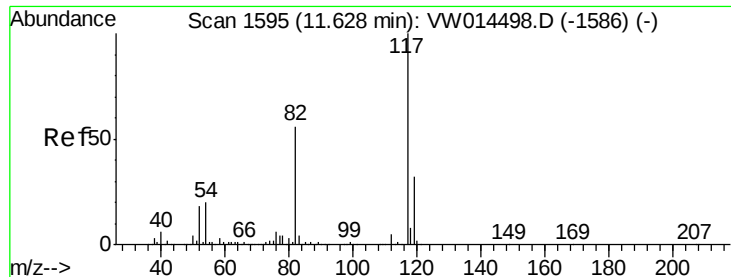
Tot Ion: 107 Resp: 96382
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 52.428 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion: 95 Resp: 460407
 Ion Ratio Lower Upper
 95 100
 174 83.6 0.0 168.6
 176 81.9 0.0 162.0

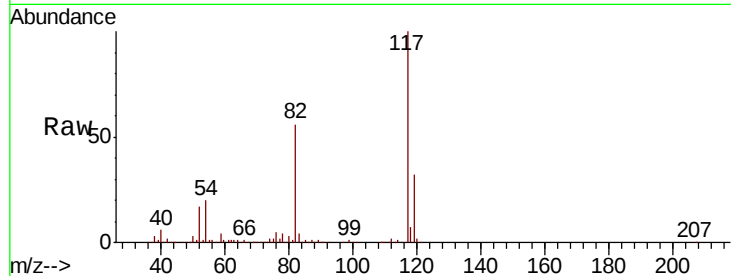




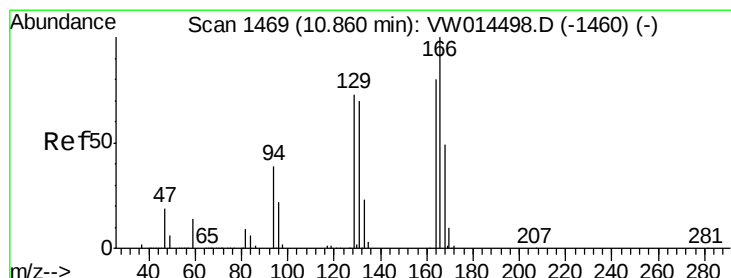
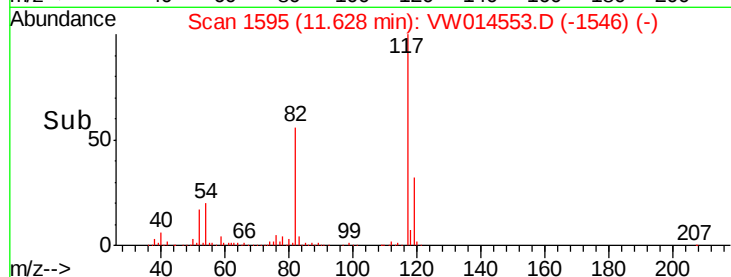
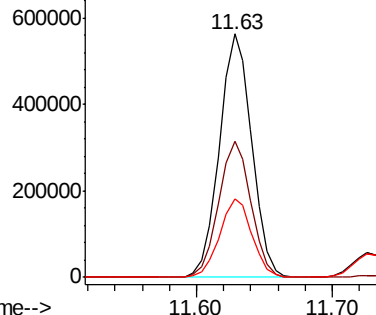
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.0	25.7	38.5

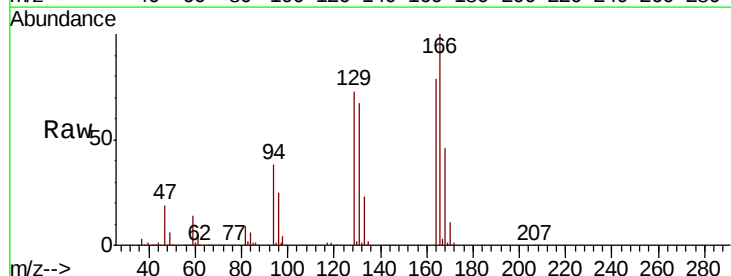


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

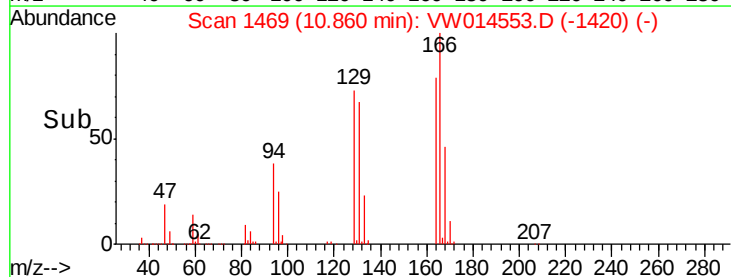
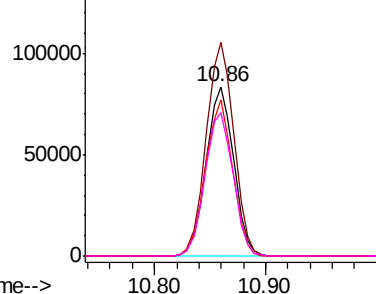


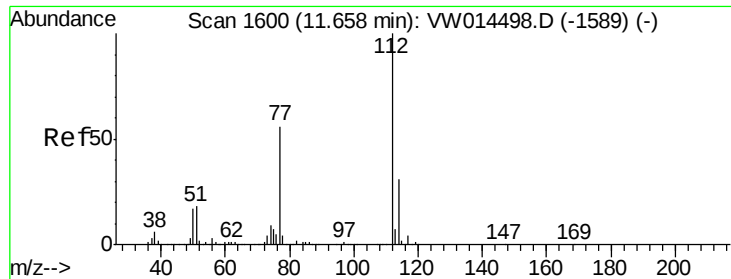
#64
Tetrachloroethene
Concen: 20.952 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	99.8	149.6
129	92.2	72.4	108.6
131	84.7	70.1	105.1



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





#65

Chlorobenzene

Concen: 21.565 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

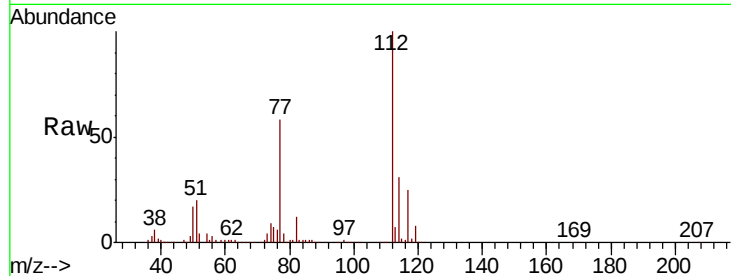
ClientSampled :

Tot Ion:112 Resp: 414791

Ion Ratio Lower Upper

112 100

114 31.3 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

250000

200000

150000

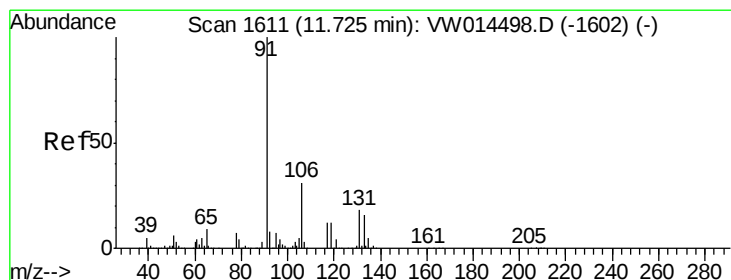
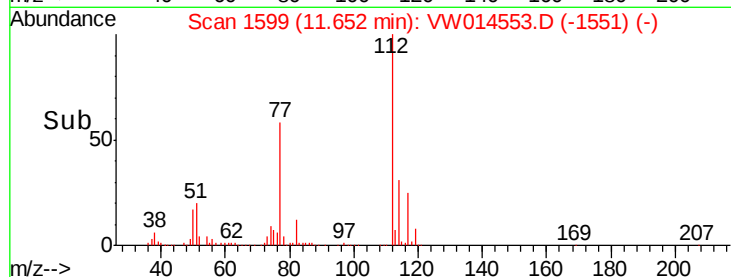
100000

50000

0

11.60 11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.325 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

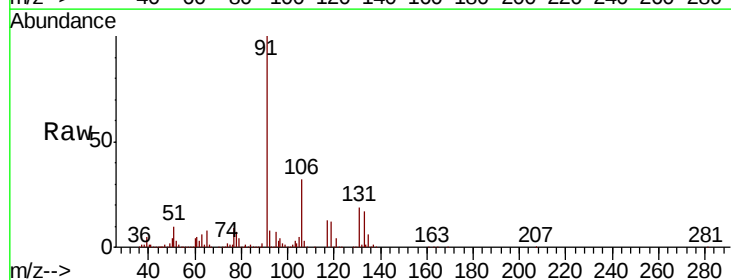
Tgt Ion:131 Resp: 138105

Ion Ratio Lower Upper

131 100

133 94.4 47.3 142.0

119 65.1 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

150000

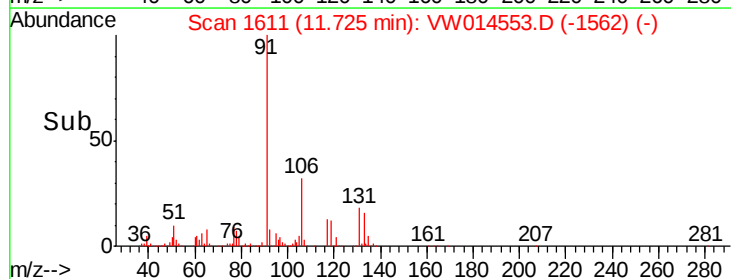
100000

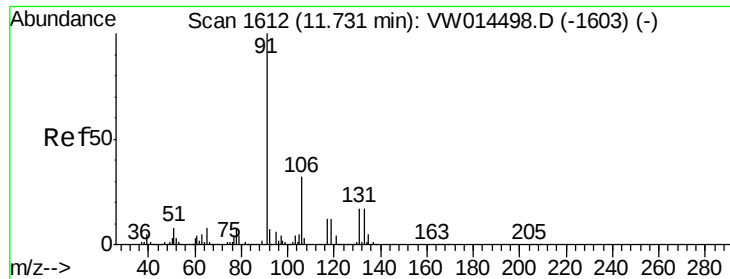
50000

0

11.70 11.80

Time-->

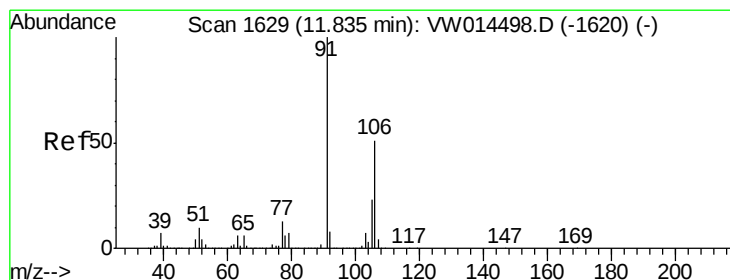
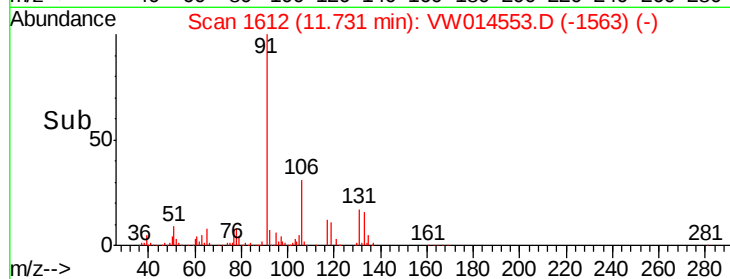
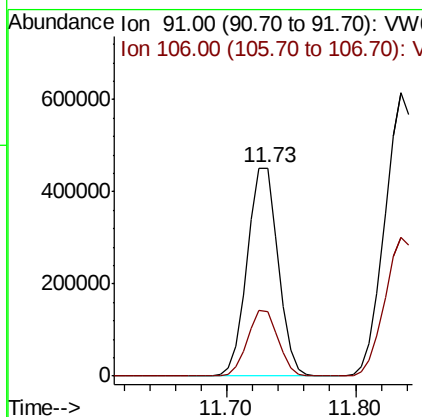
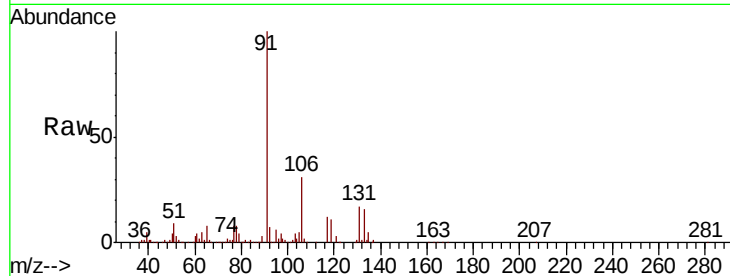




#67
Ethyl Benzene
Concen: 21.500 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

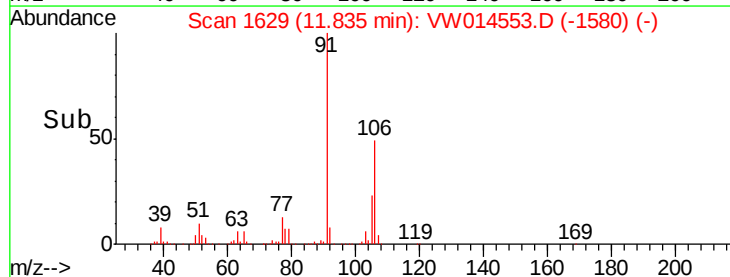
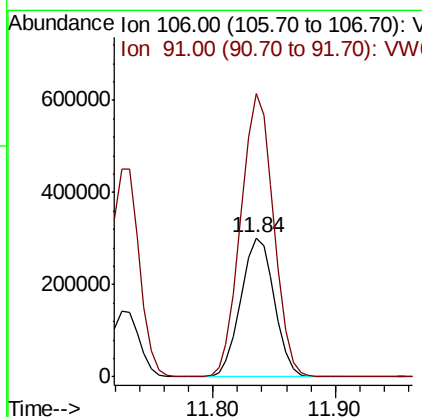
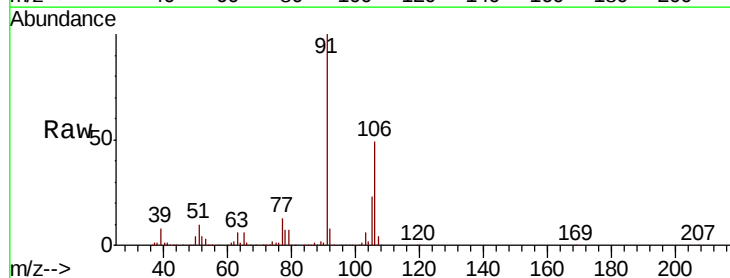
Instrument :
MSVOA_W
ClientSampleId :

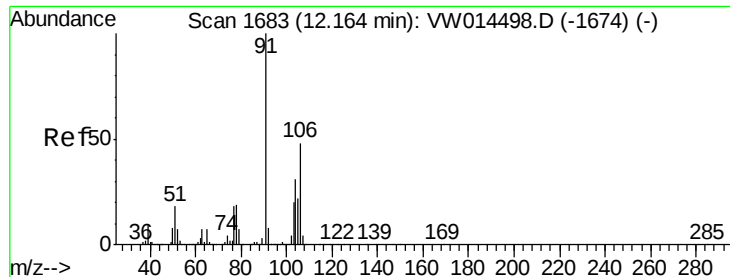
Tot Ion: 91 Resp: 745278
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3



#68
m/p-Xylenes
Concen: 43.208 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion:106 Resp: 573228
Ion Ratio Lower Upper
106 100
91 199.8 159.0 238.6

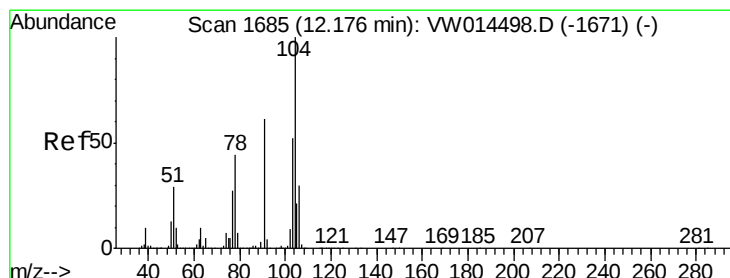
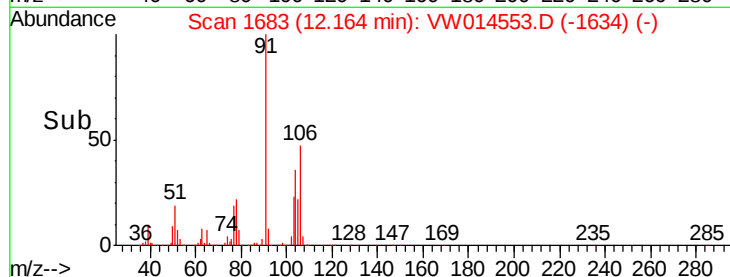
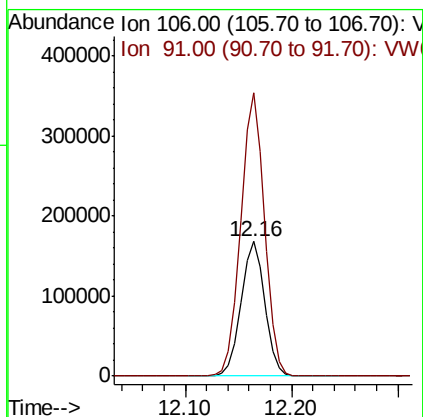
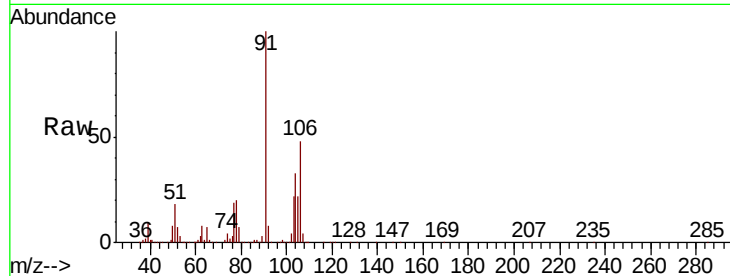




#69
o-Xylene
Concen: 21.519 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

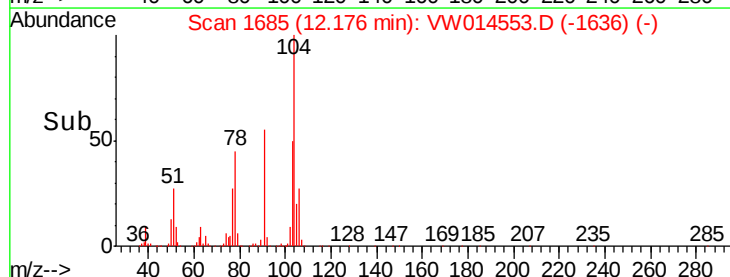
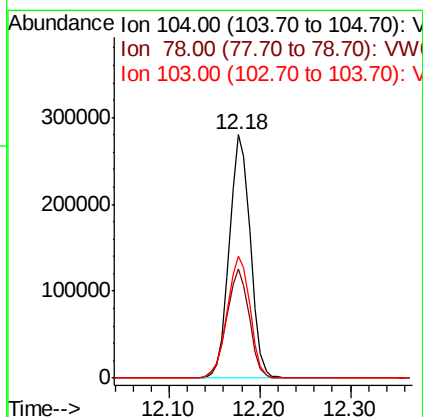
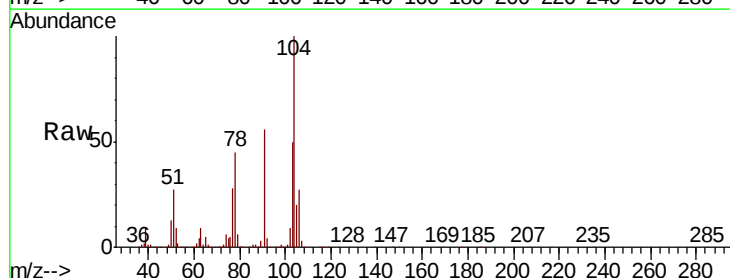
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 263708
Ion Ratio Lower Upper
106 100
91 210.1 105.2 315.6



#70
Styrene
Concen: 21.757 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion:104 Resp: 450971
Ion Ratio Lower Upper
104 100
78 48.2 38.4 57.6
103 54.5 43.7 65.5





#71

Bromoform

Concen: 19.130 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

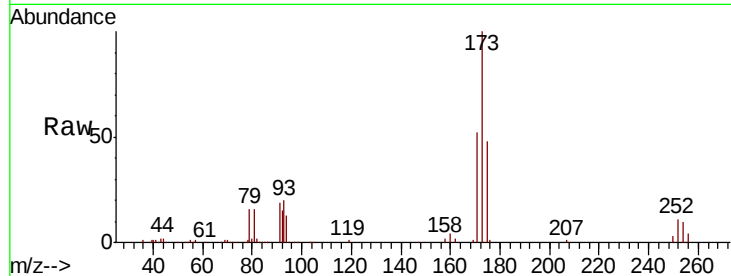
Tot Ion:173 Resp: 67577

Ion Ratio Lower Upper

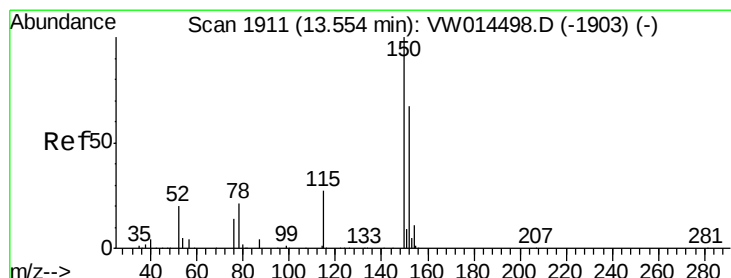
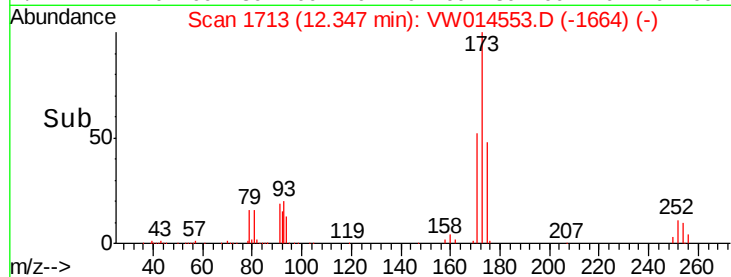
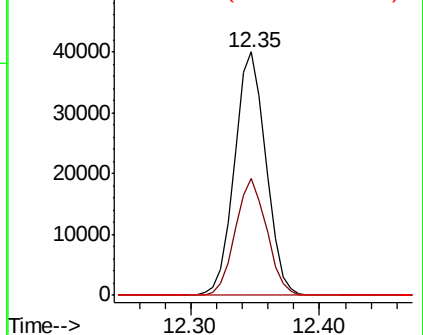
173 100

175 47.8 24.5 73.5

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

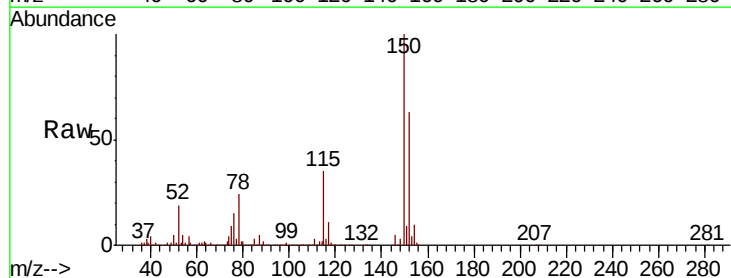
Tgt Ion:152 Resp: 467579

Ion Ratio Lower Upper

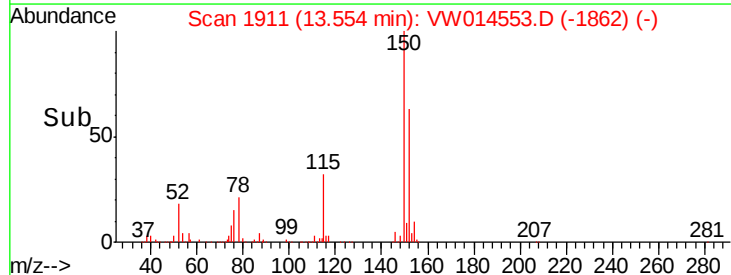
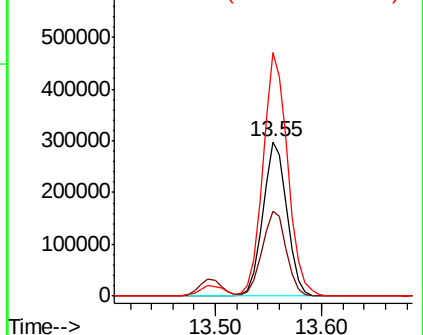
152 100

115 55.5 27.7 83.1

150 163.2 0.0 343.4



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





#73

Isopropylbenzene

Concen: 21.182 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

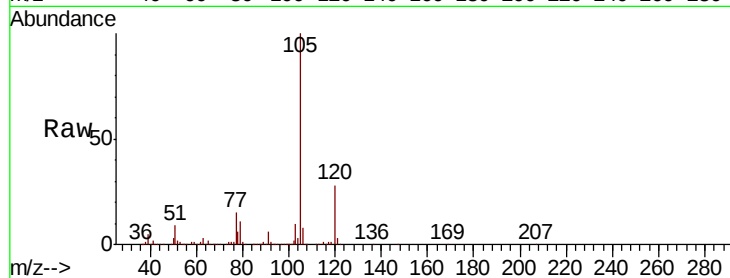
ClientSampleId :

Tot Ion:105 Resp: 726736

Ion Ratio Lower Upper

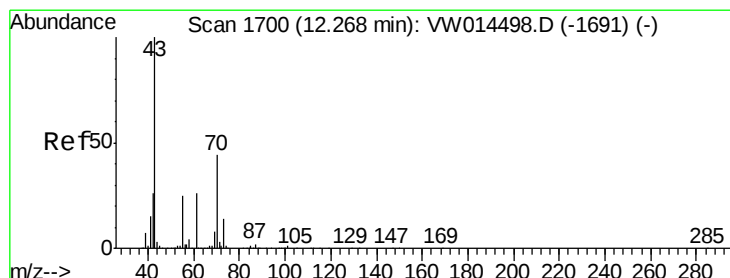
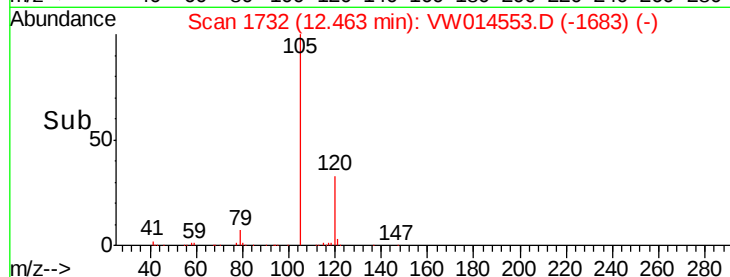
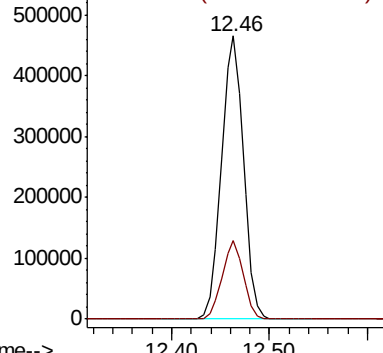
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.070 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Tgt Ion: 43 Resp: 139004

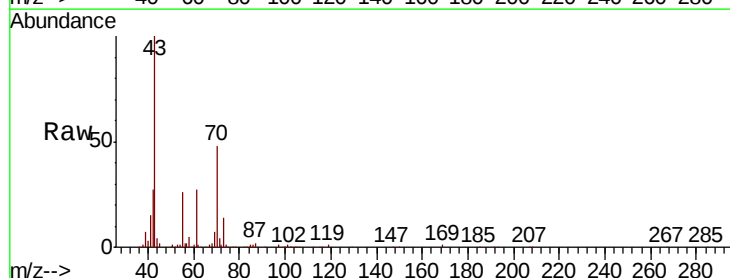
Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 26.1 20.9 31.3

61 25.5 20.7 31.1

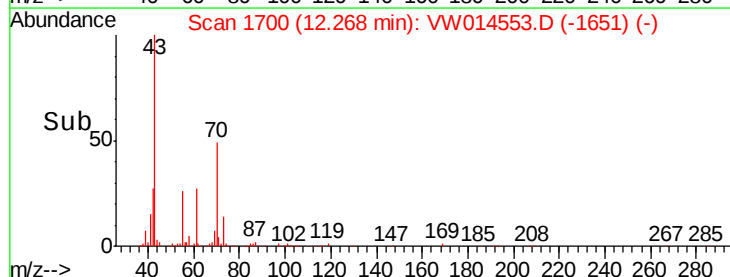
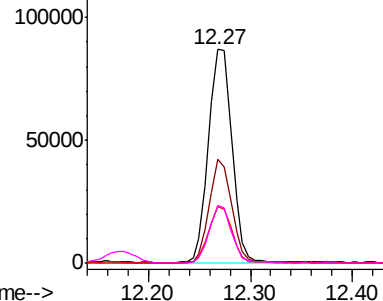


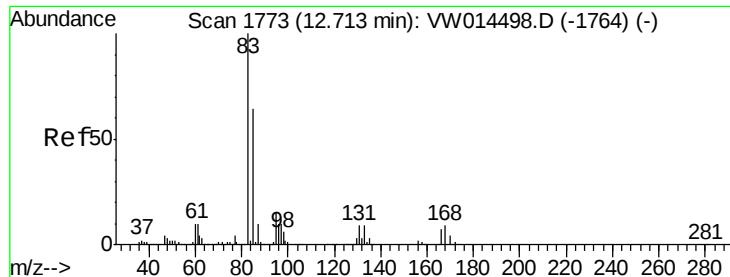
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 18.732 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

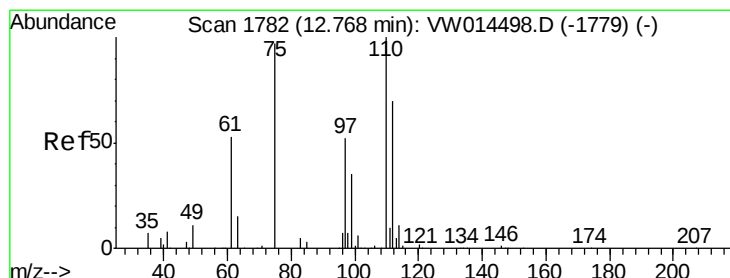
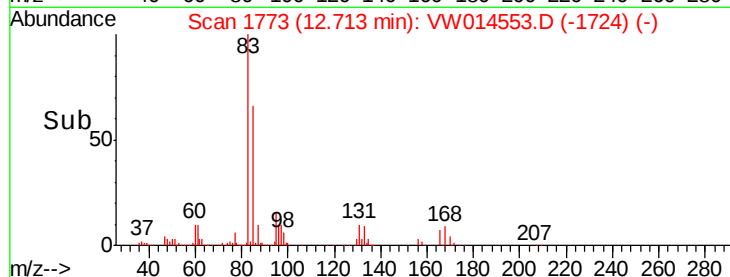
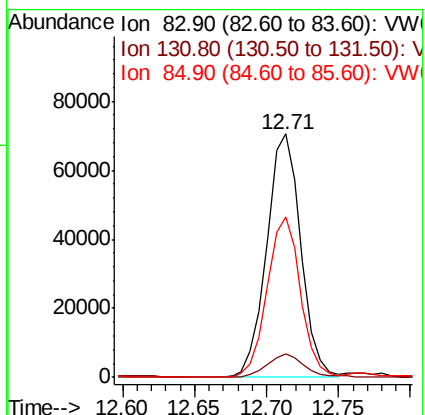
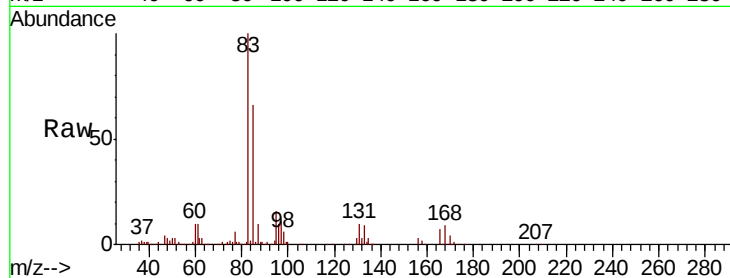
Tot Ion: 83 Resp: 115996

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.4

85 64.4 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 32.559 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014553.D

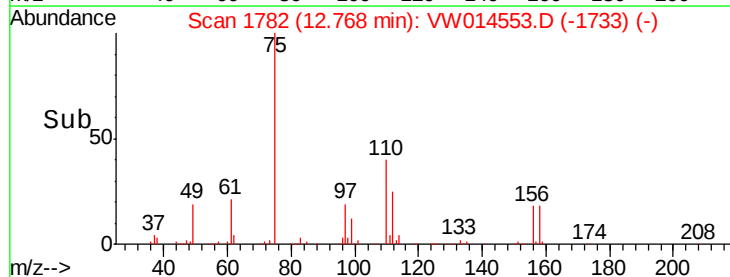
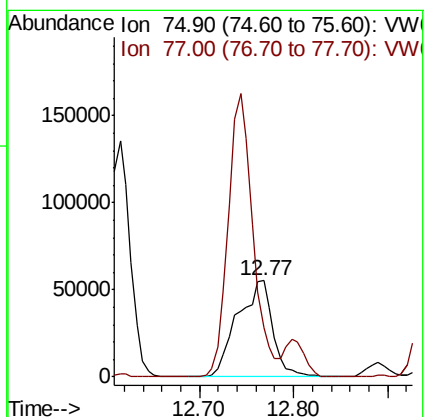
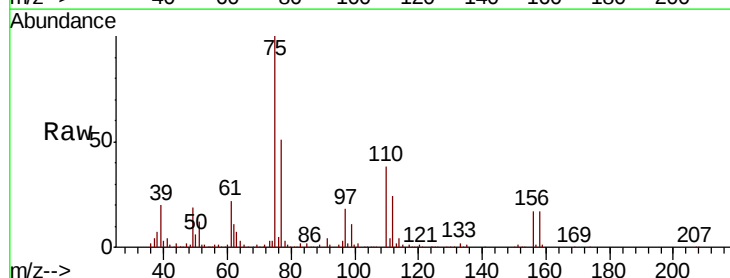
Acq: 08 Jan 2020 11:36

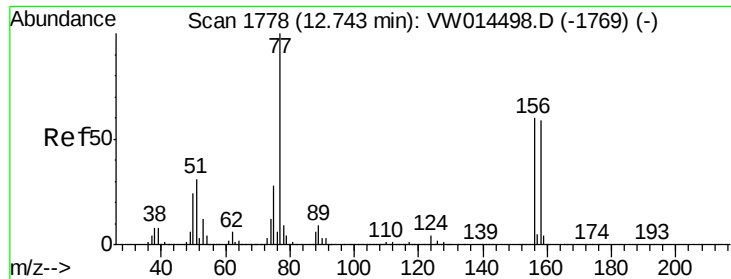
Tgt Ion: 75 Resp: 143942

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.260 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampleId :

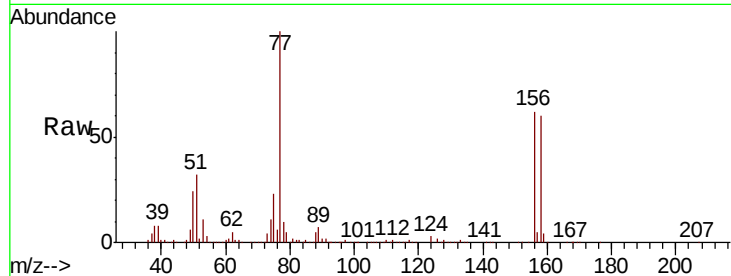
Tot Ion:156 Resp: 169411

Ion Ratio Lower Upper

156 100

77 174.9 92.3 277.1

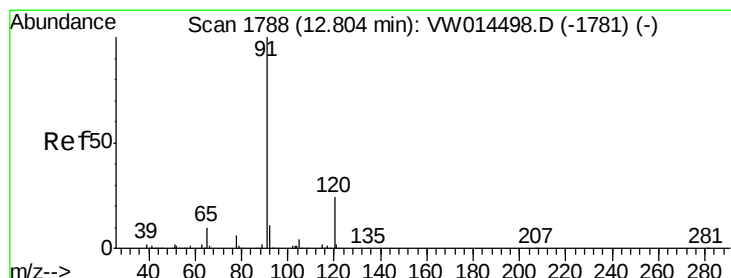
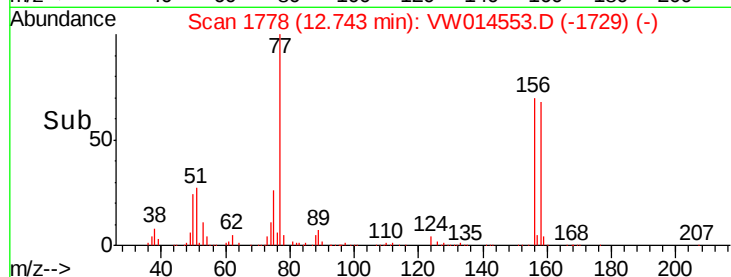
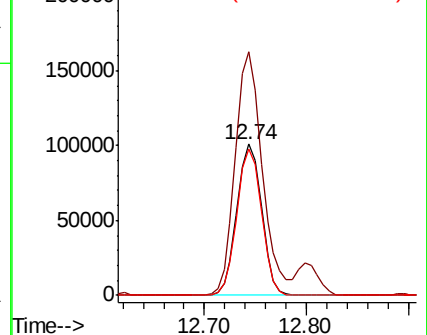
158 96.1 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.562 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014553.D

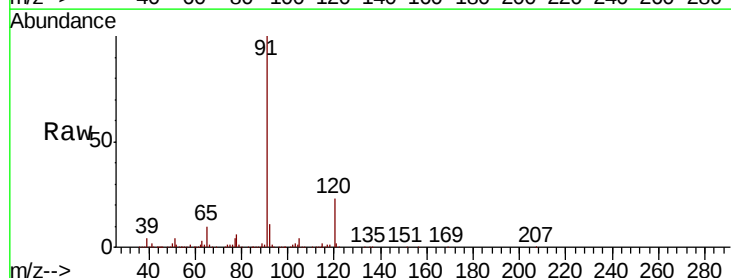
Acq: 08 Jan 2020 11:36

Tgt Ion: 91 Resp: 869899

Ion Ratio Lower Upper

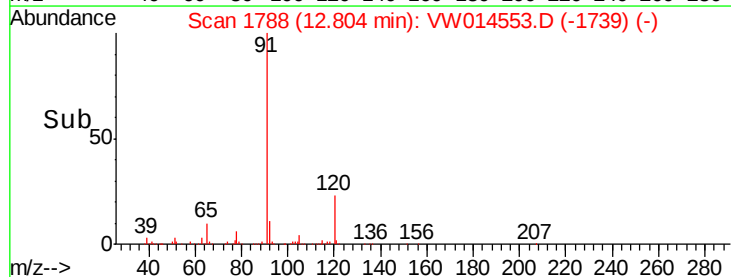
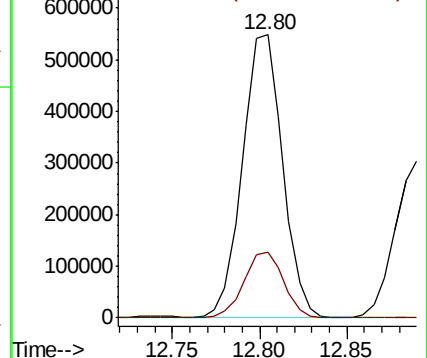
91 100

120 23.1 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: 21.278 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

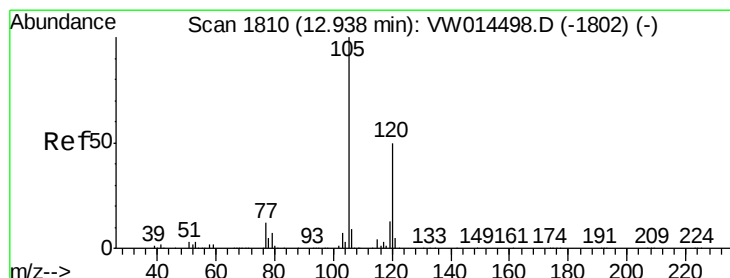
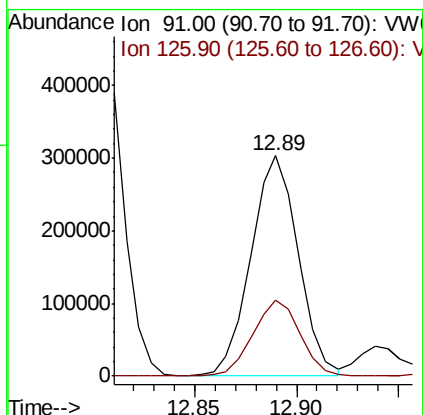
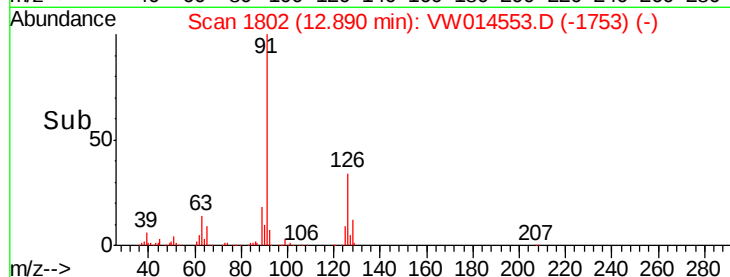
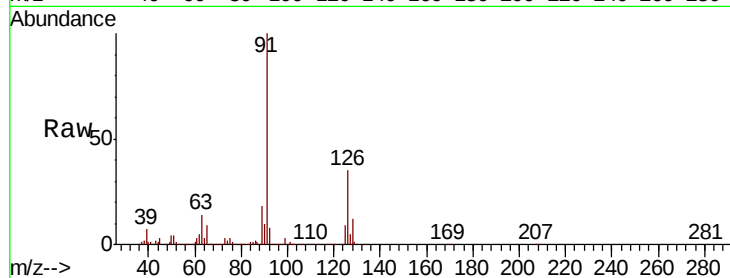
ClientSampled :

Tot Ion: 91 Resp: 488500

Ion Ratio Lower Upper

91 100

126 34.5 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 21.405 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014553.D

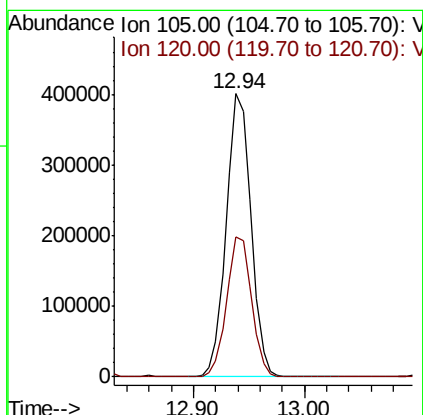
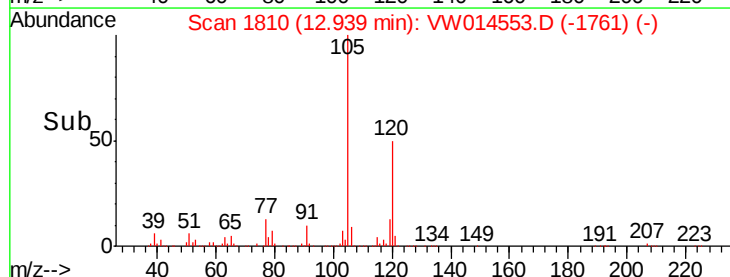
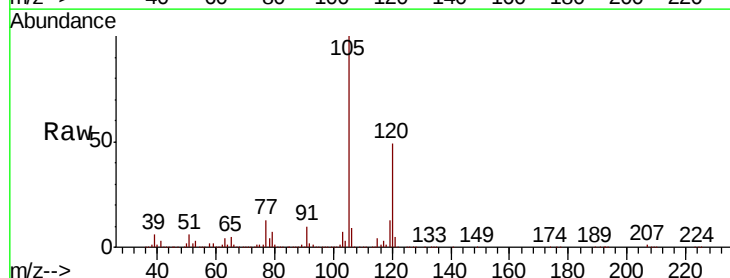
Acq: 08 Jan 2020 11:36

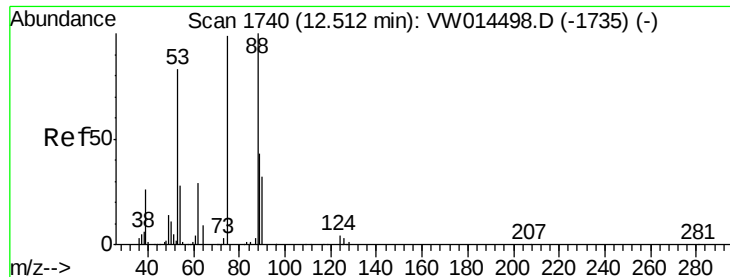
Tgt Ion: 105 Resp: 616618

Ion Ratio Lower Upper

105 100

120 49.9 25.2 75.6

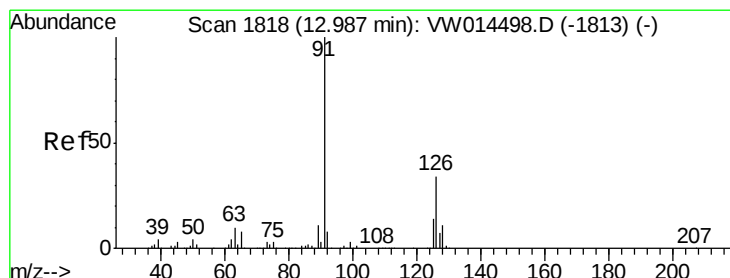
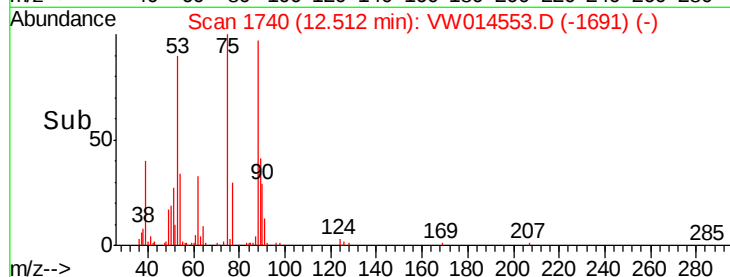
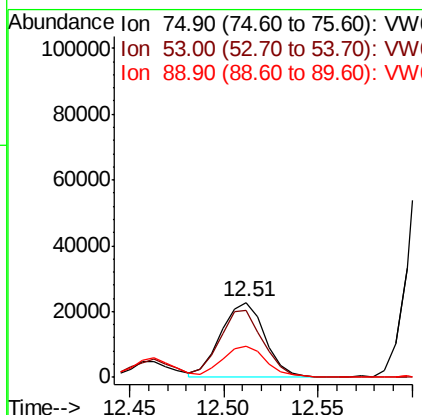
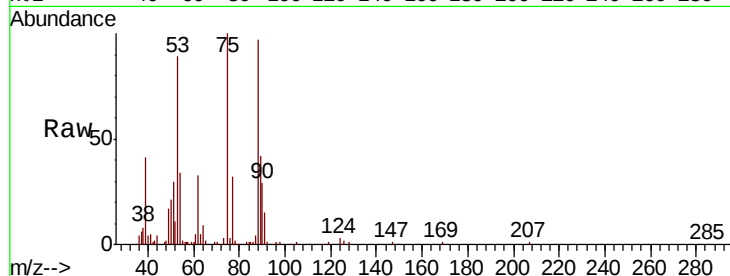




#81
trans-1,4-Dichloro-2-butene
Concen: 18.365 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

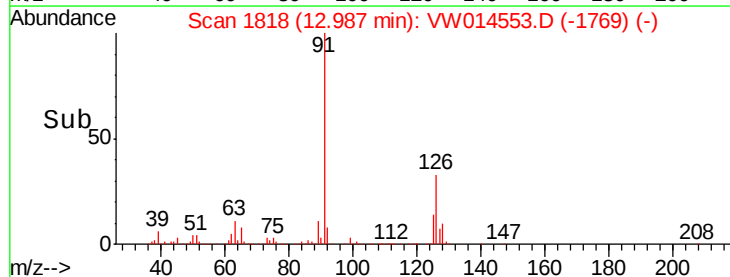
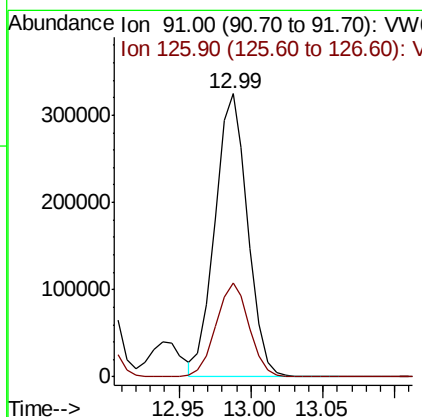
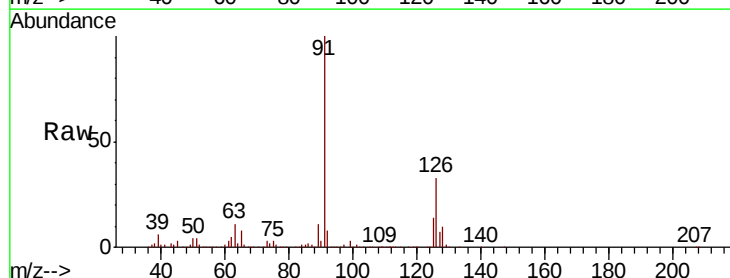
Instrument :
MSVOA_W
ClientSampleId :

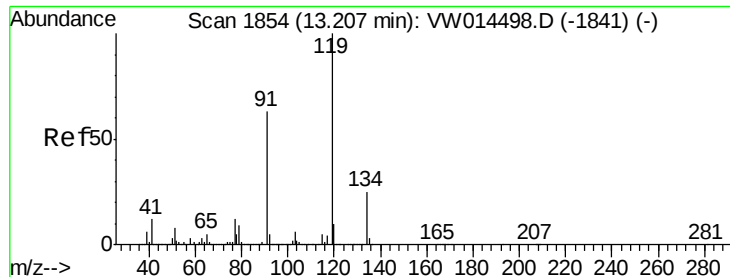
Tot Ion: 75 Resp: 36440
Ion Ratio Lower Upper
75 100
53 90.1 70.9 106.3
89 41.9 35.8 53.8



#82
4-Chlorotoluene
Concen: 21.503 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion: 91 Resp: 512899
Ion Ratio Lower Upper
91 100
126 33.8 17.1 51.2

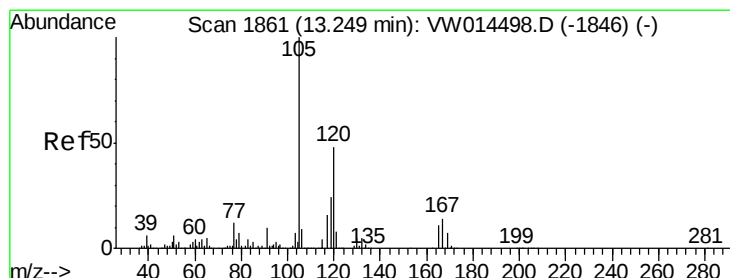
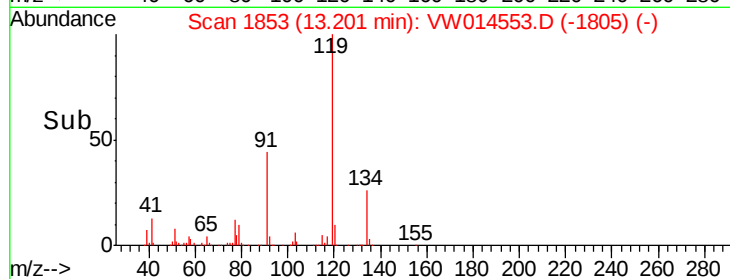
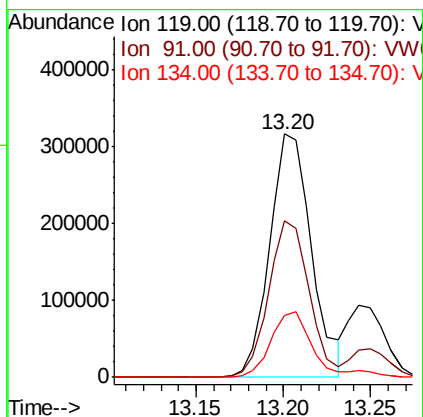
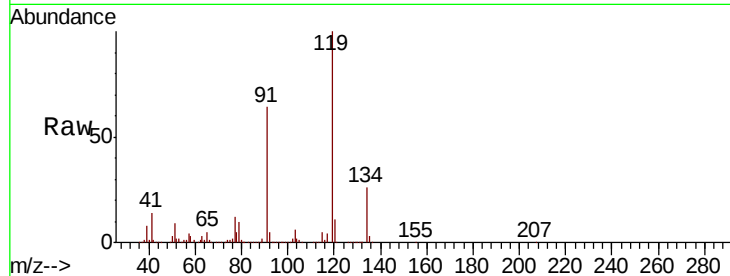




#83
tert-Butylbenzene
Concen: 20.923 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

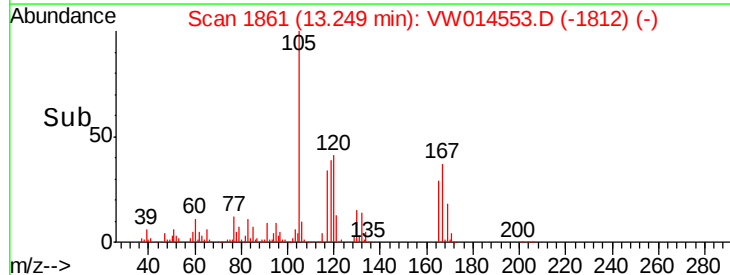
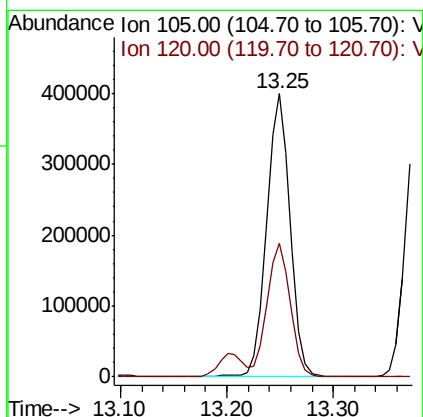
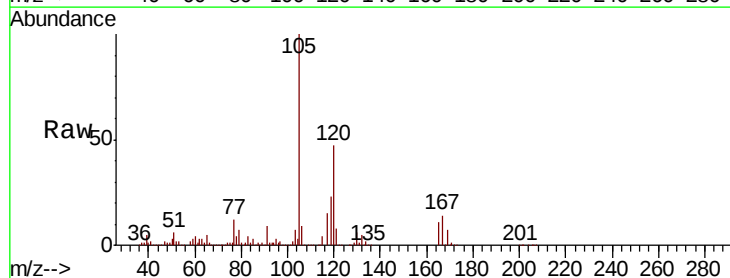
Instrument :
MSVOA_W
ClientSampleId :

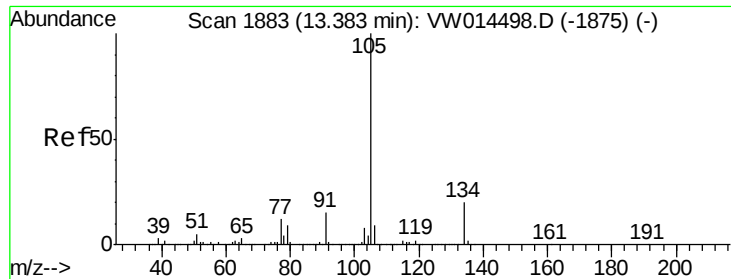
Tot Ion:119 Resp: 527693
Ion Ratio Lower Upper
119 100
91 62.2 31.1 93.3
134 27.6 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 21.480 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion:105 Resp: 615753
Ion Ratio Lower Upper
105 100
120 47.2 23.4 70.0

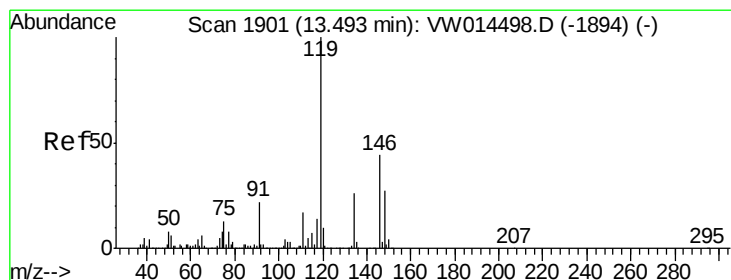
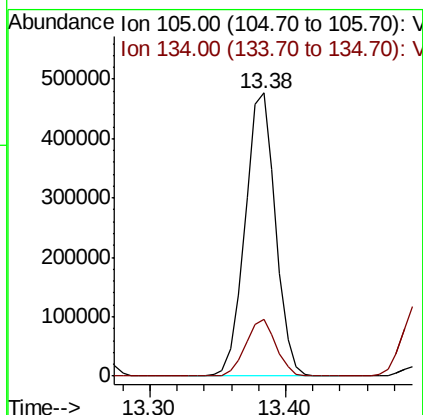
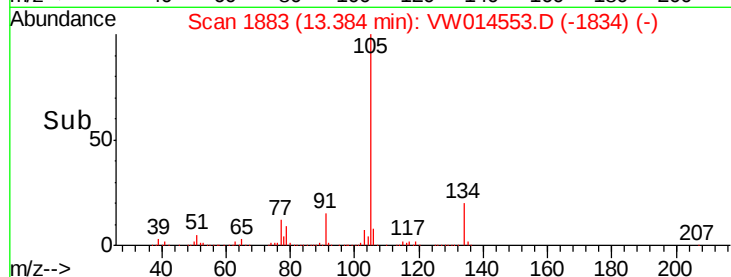
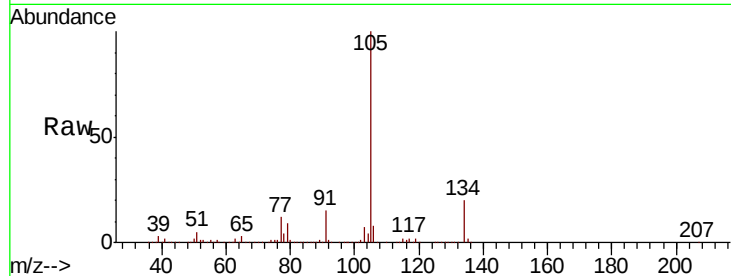




#85
 sec-Butylbenzene
 Concen: 21.298 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

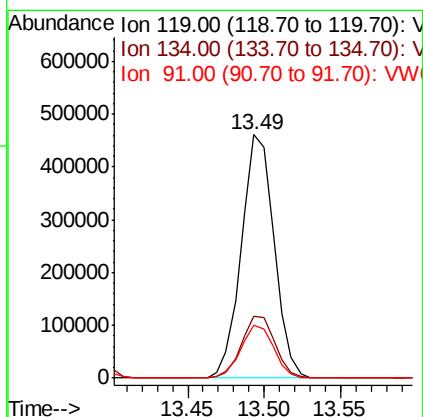
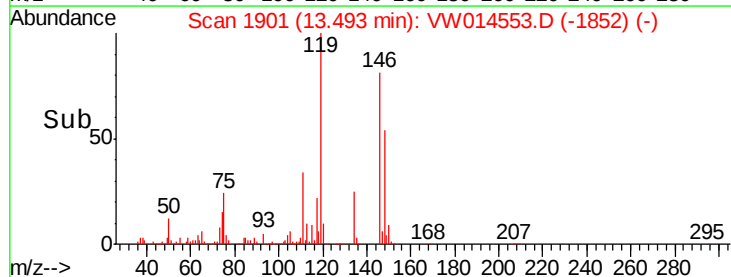
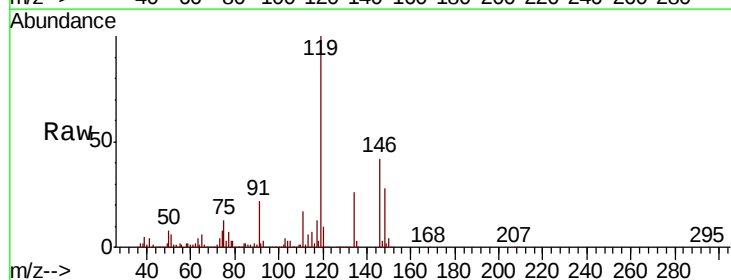
Instrument :
 MSVOA_W
 ClientSampled :

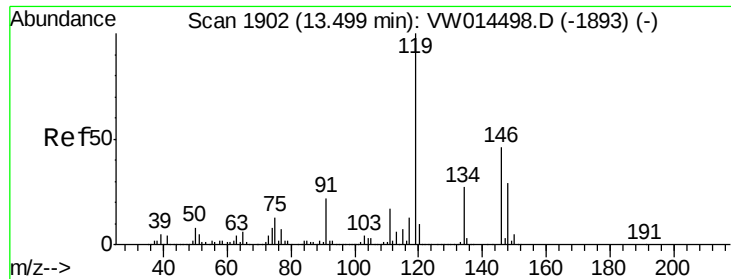
Tot Ion:105 Resp: 743522
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 21.528 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion:119 Resp: 685032
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.2 39.5
 91 21.9 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 21.233 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

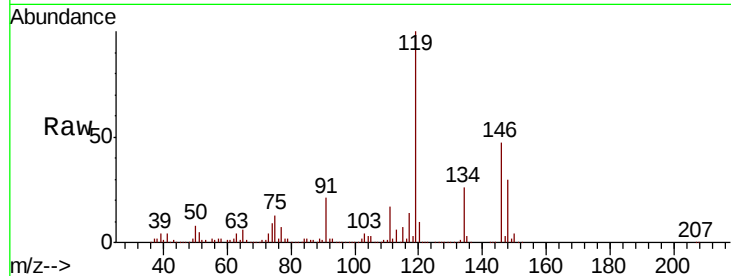
Tot Ion:146 Resp: 329012

Ion Ratio Lower Upper

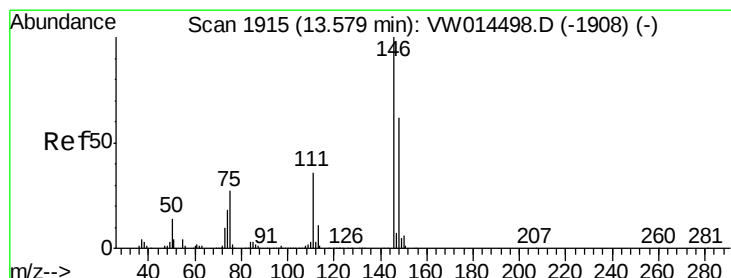
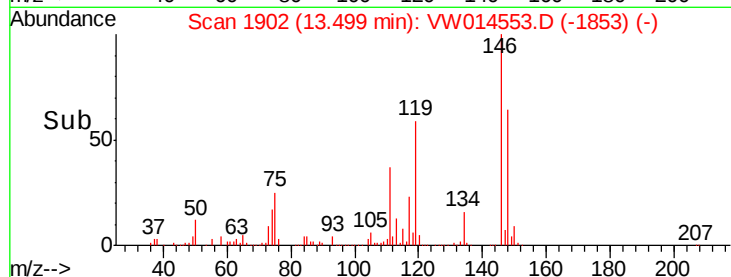
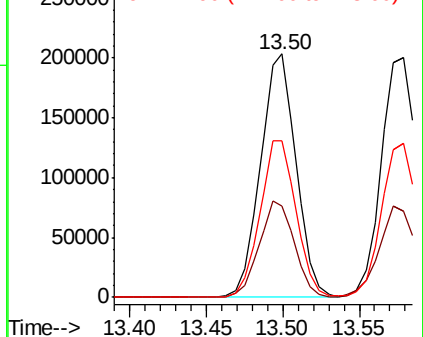
146 100

111 39.2 19.3 57.9

148 65.1 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 21.370 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

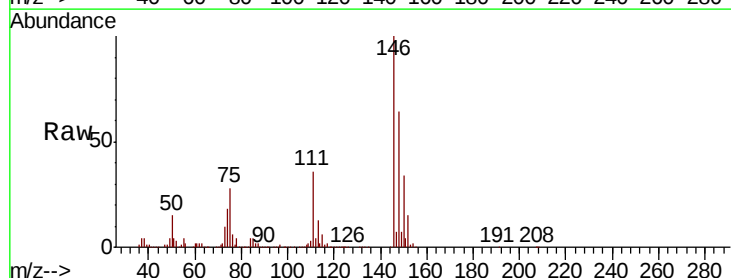
Tgt Ion:146 Resp: 326908

Ion Ratio Lower Upper

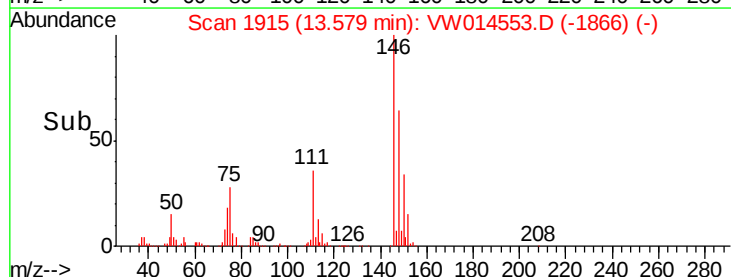
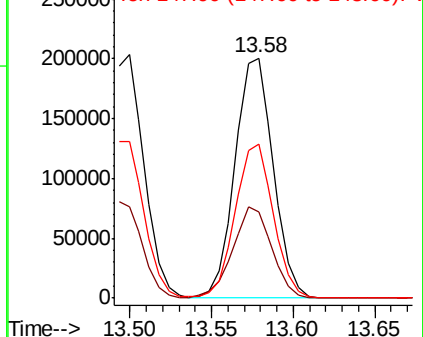
146 100

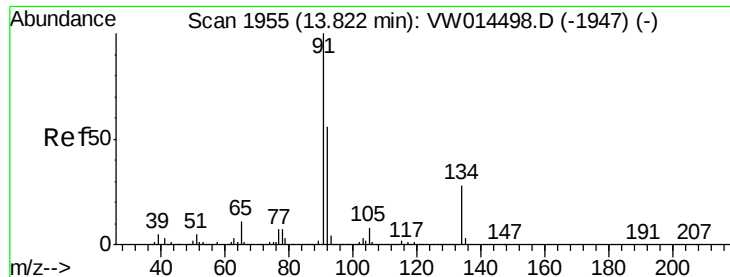
111 38.7 18.7 56.1

148 64.1 31.7 95.1



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





#89

n-Butylbenzene

Concen: 21.355 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014553.D

Acq: 08 Jan 2020 11:36

Instrument :

MSVOA_W

ClientSampled :

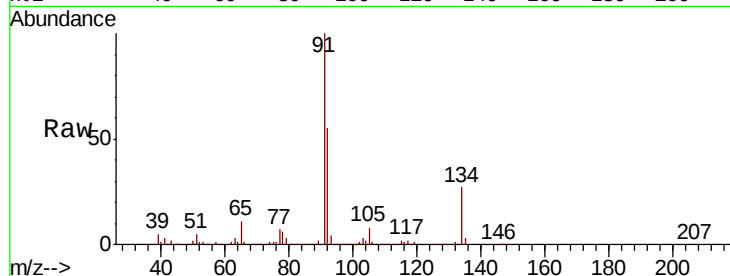
Tot Ion: 91 Resp: 631032

Ion Ratio Lower Upper

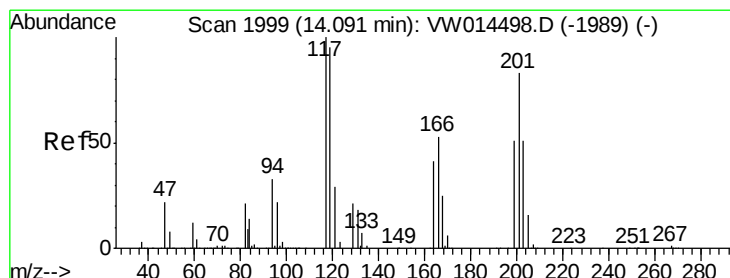
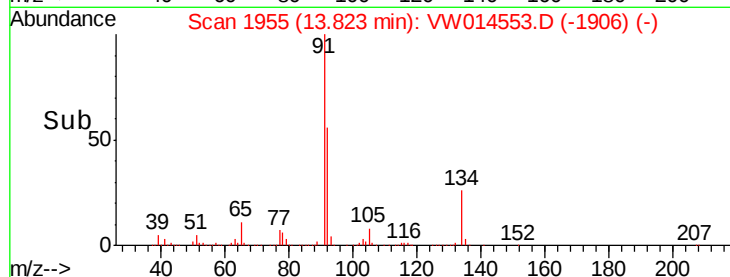
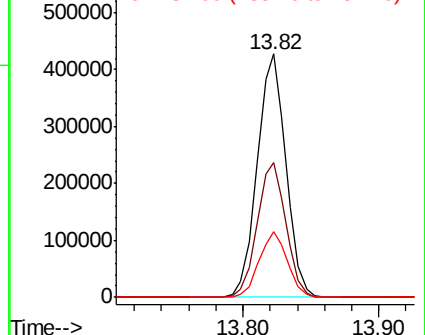
91 100

92 55.5 27.5 82.5

134 26.6 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.689 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014553.D

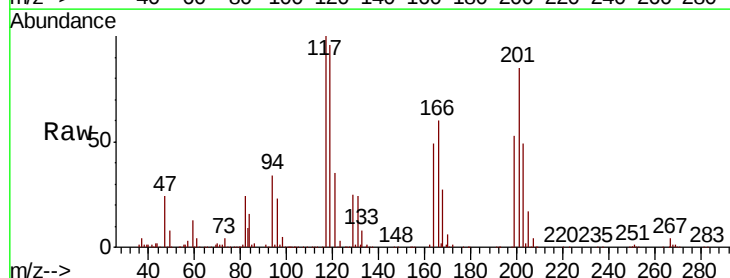
Acq: 08 Jan 2020 11:36

Tgt Ion: 117 Resp: 115008

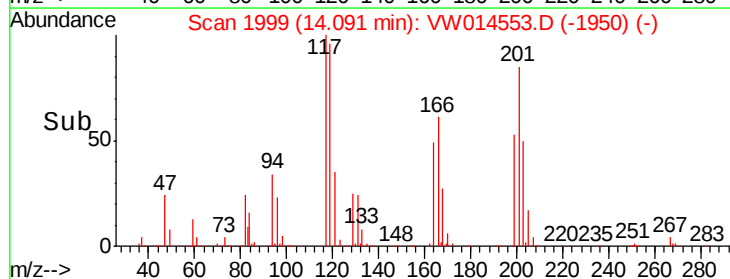
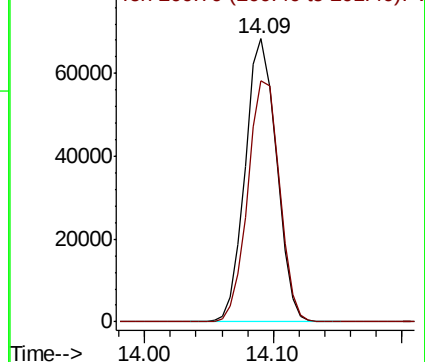
Ion Ratio Lower Upper

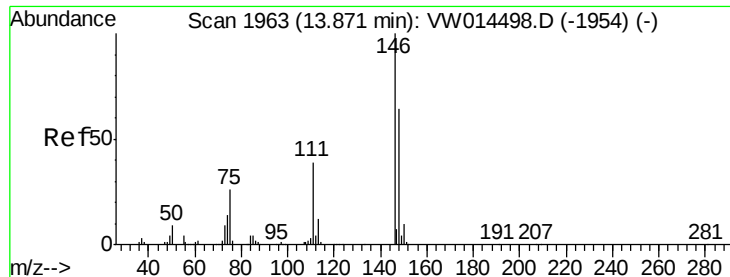
117 100

201 85.8 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

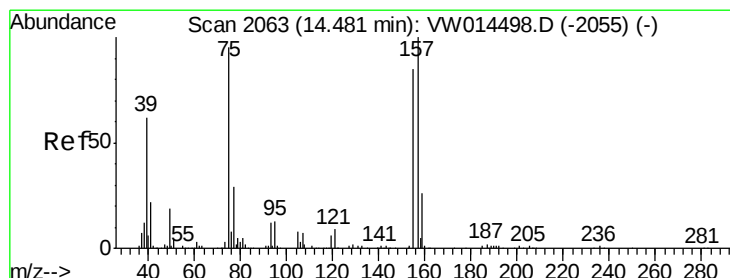
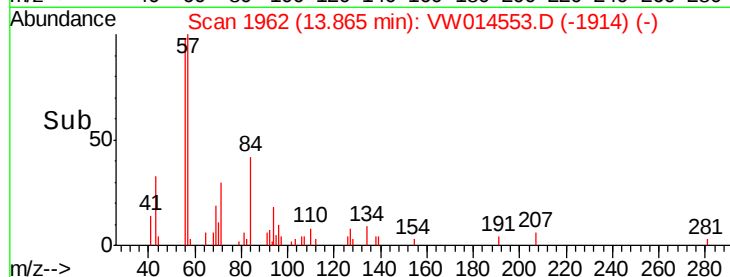
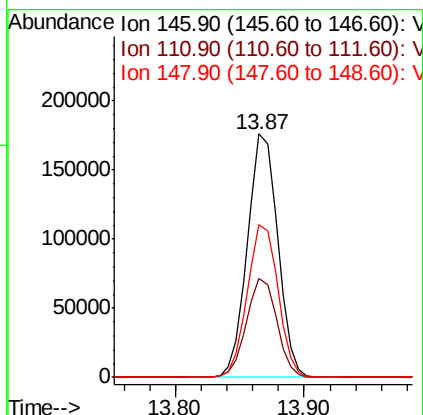
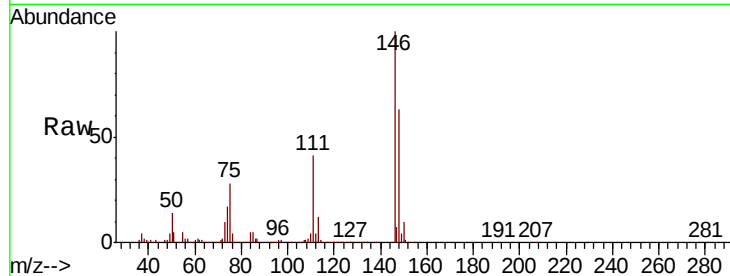




#91
 1,2-Dichlorobenzene
 Concen: 21.055 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

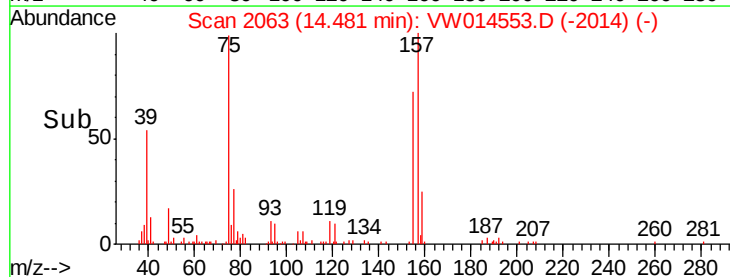
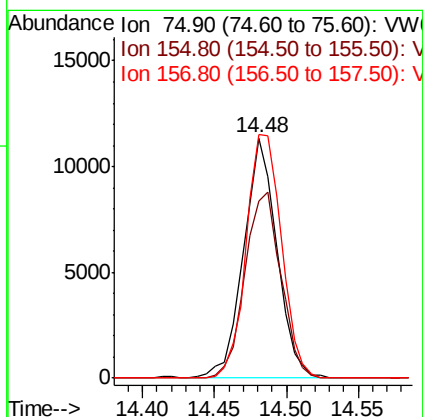
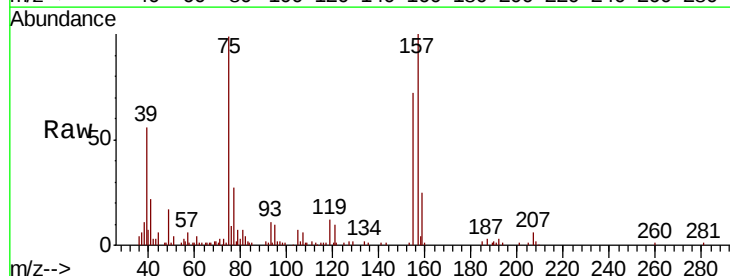
Instrument :
 MSVOA_W
 ClientSampleId :

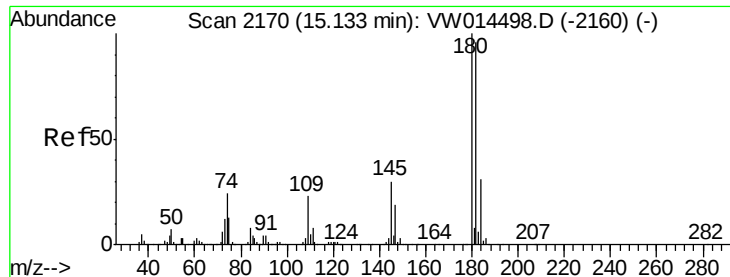
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	63.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.588 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	45.8	137.4
157	106.6	58.1	174.2

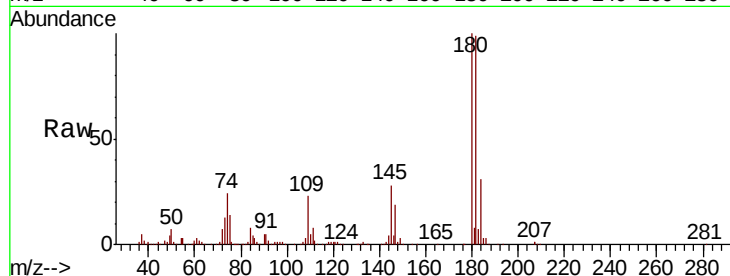




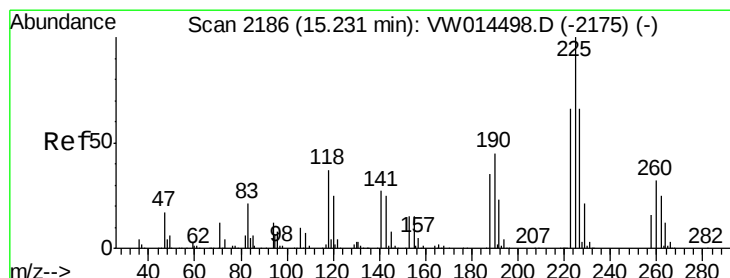
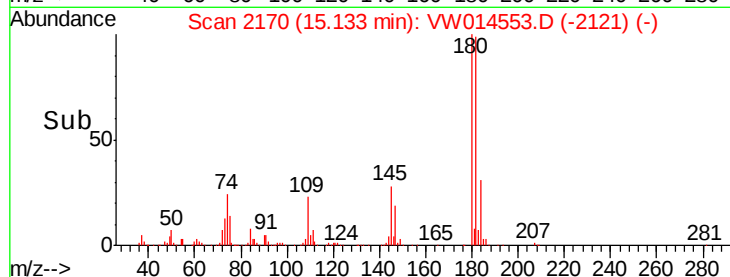
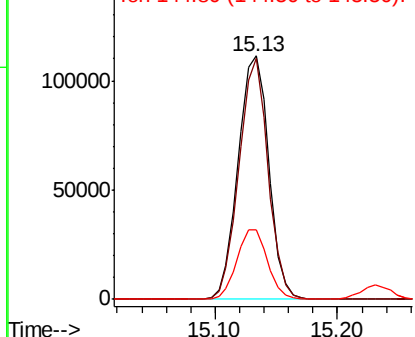
#93
 1,2,4-Trichlorobenzene
 Concen: 21.065 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.8
145	28.7	14.7	44.1

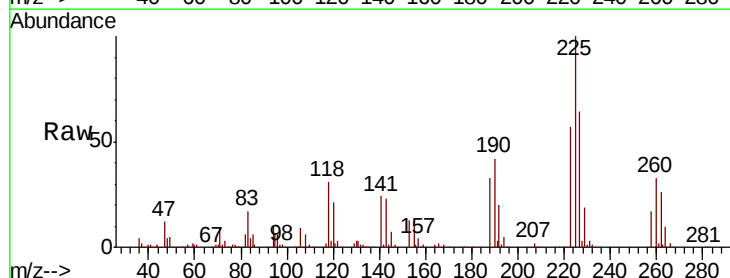


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

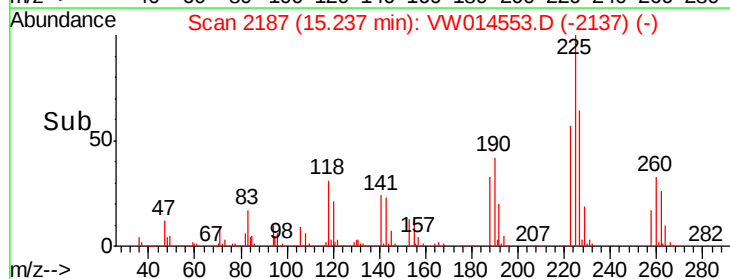
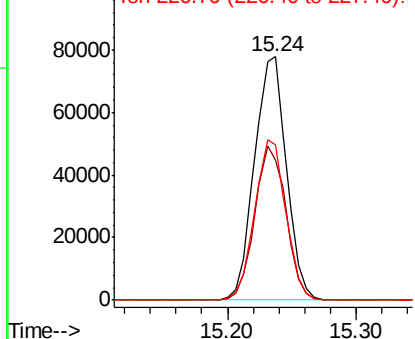


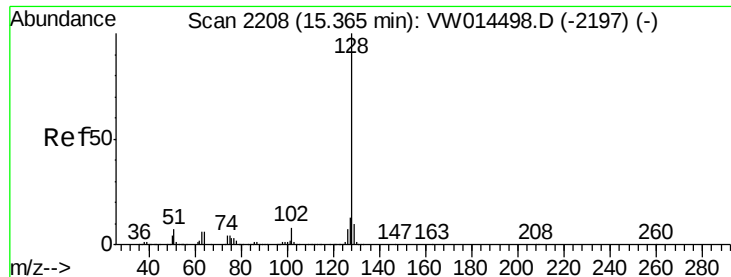
#94
 Hexachlorobutadiene
 Concen: 21.535 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014553.D
 Acq: 08 Jan 2020 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.4	97.2
227	64.2	32.6	97.8



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

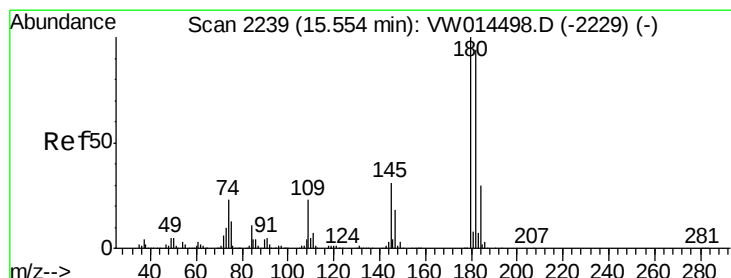
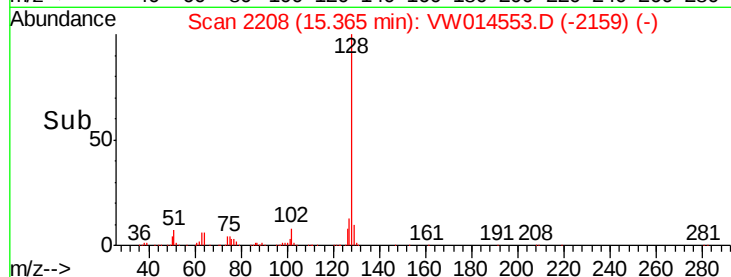
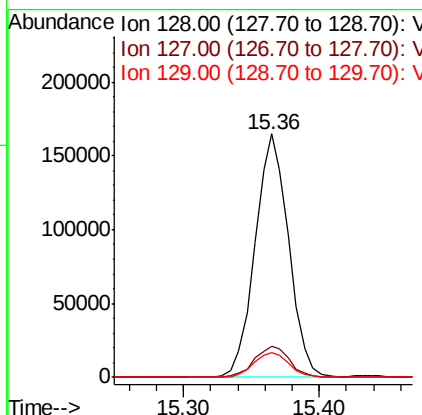
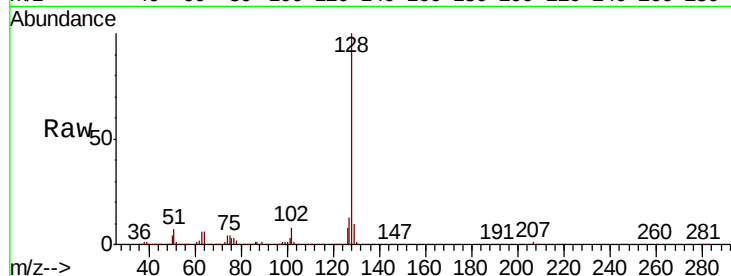




#95
Naphthalene
Concen: 18.121 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 284221
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.259 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014553.D
Acq: 08 Jan 2020 11:36

Tgt Ion:180 Resp: 162412
Ion Ratio Lower Upper
180 100
182 95.9 47.4 142.2
145 31.4 15.5 46.5

