

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014500.D
 Acq On : 03 Jan 2020 15:40
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 03 16:05:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 15:49:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	894294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1340599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1172351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	561860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	1056594	150.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.66%	
35) Dibromofluoromethane	7.88	113	1061428	143.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.18%	
50) Toluene-d8	10.32	98	4410643	145.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.52%	
62) 4-Bromofluorobenzene	12.61	95	1514585	146.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	688827	139.509	ug/l	100
3) Chloromethane	2.21	50	820358	152.936	ug/l	98
4) Vinyl Chloride	2.36	62	1205037	148.718	ug/l	100
5) Bromomethane	2.74	94	747254	142.793	ug/l	99
6) Chloroethane	2.91	64	728275	150.837	ug/l	99
7) Trichlorofluoromethane	3.24	101	681418	142.180	ug/l	98
8) Diethyl Ether	3.67	74	632852	154.588	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	1151444	143.134	ug/l	99
10) Methyl Iodide	4.26	142	1780652	139.800	ug/l	99
11) Tert butyl alcohol	5.16	59	413375	853.335	ug/l	100
12) 1,1-Dichloroethene	4.04	96	1245991	149.635	ug/l	99
13) Acrolein	3.88	56	447112	834.169	ug/l	98
14) Allyl chloride	4.66	41	1909675	149.115	ug/l	99
15) Acrylonitrile	5.35	53	1413394	797.771	ug/l	99
16) Acetone	4.11	43	1511295	911.669	ug/l	98
17) Carbon Disulfide	4.38	76	3713820	153.207	ug/l	98
18) Methyl Acetate	4.66	43	712309	159.288	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	1470899	144.643	ug/l	100
20) Methylene Chloride	4.91	84	1228344	131.851	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	1301948	146.303	ug/l	99
22) Diisopropyl ether	6.31	45	3462598	147.792	ug/l	99
23) Vinyl Acetate	6.24	43	10709398	766.691	ug/l	100
24) 1,1-Dichloroethane	6.21	63	2215465	149.452	ug/l	99
25) 2-Butanone	7.16	43	1922744	821.146	ug/l	99
26) 2,2-Dichloropropane	7.16	77	1114371	131.975	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	1389045	147.442	ug/l	99
28) Bromochloromethane	7.51	49	876757	172.893	ug/l	97
29) Tetrahydrofuran	7.52	42	1152531	793.355	ug/l	98
30) Chloroform	7.67	83	2069939	143.232	ug/l	100
31) Cyclohexane	7.95	56	2181880	140.802	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	1659863	145.477	ug/l	100
36) 1,1-Dichloropropene	8.08	75	1767368	140.084	ug/l	99
37) Ethyl Acetate	7.24	43	787636	149.630	ug/l	99
38) Carbon Tetrachloride	8.06	117	1564865	139.344	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	2363535	145.505	ug/l	100
40) Benzene	8.32	78	4991137	140.083	ug/l	100
41) Methacrylonitrile	7.48	41	453074	141.979	ug/l	98
42) 1,2-Dichloroethane	8.40	62	1286024	141.714	ug/l	100
43) Isopropyl Acetate	8.42	43	1491506	152.205	ug/l	100
44) Trichloroethene	9.09	130	1386031	138.434	ug/l	97
45) 1,2-Dichloropropane	9.37	63	1235258	144.333	ug/l	99
46) Dibromomethane	9.46	93	607333	143.949	ug/l	99
47) Bromodichloromethane	9.64	83	1561314	146.135	ug/l	99
48) Methyl methacrylate	9.43	41	740576	153.997	ug/l	98
49) 1,4-Dioxane	9.44	88	217959	3086.999	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	3737117	751.961	ug/l	99
52) Toluene	10.38	92	3211684	140.715	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	1660390	151.815	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	2007369	149.634	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	893062	142.681	ug/l	99
56) Ethyl methacrylate	10.64	69	1268138	158.336	ug/l	99
57) 1,3-Dichloropropane	10.93	76	1577684	146.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1912686	586.342	ug/l	99
59) 2-Hexanone	10.96	43	2711254	792.446	ug/l	99
60) Dibromochloromethane	11.13	129	1060465	145.688	ug/l	99
61) 1,2-Dibromoethane	11.23	107	864443	145.703	ug/l	100
64) Tetrachloroethene	10.86	164	1174954	133.957	ug/l	97
65) Chlorobenzene	11.65	112	3324468	138.282	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	1150274	138.994	ug/l	100
67) Ethyl Benzene	11.73	91	5963315	137.578	ug/l	98
68) m/p-Xylenes	11.83	106	4602291	275.441	ug/l	97
69) o-Xylene	12.16	106	2167960	141.213	ug/l	98
70) Styrene	12.18	104	3704391	141.139	ug/l	100
71) Bromoform	12.35	173	639708	143.549	ug/l #	99
73) Isopropylbenzene	12.46	105	5904973	145.481	ug/l	99
74) N-amyl acetate	12.27	43	1364504	161.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	1013488	148.745	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	1317160	282.810	ug/l #	100
77) Bromobenzene	12.74	156	1370668	142.499	ug/l	98
78) n-propylbenzene	12.80	91	6824144	144.224	ug/l	99
79) 2-Chlorotoluene	12.89	91	3876698	145.879	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	4871516	142.181	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	363718	160.022	ug/l	98
82) 4-Chlorotoluene	12.99	91	4019394	144.504	ug/l	99
83) tert-Butylbenzene	13.21	119	4333061	142.967	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	4810066	142.165	ug/l	99
85) sec-Butylbenzene	13.38	105	5920266	142.275	ug/l	99
86) p-Isopropyltoluene	13.49	119	5433157	141.228	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	2599043	139.445	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2551050	137.397	ug/l	99
89) n-Butylbenzene	13.82	91	5124136	146.028	ug/l	99
90) Hexachloroethane	14.09	117	982820	147.282	ug/l	99
91) 1,2-Dichlorobenzene	13.86	146	2258623	138.831	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	160261	151.779	ug/l	96

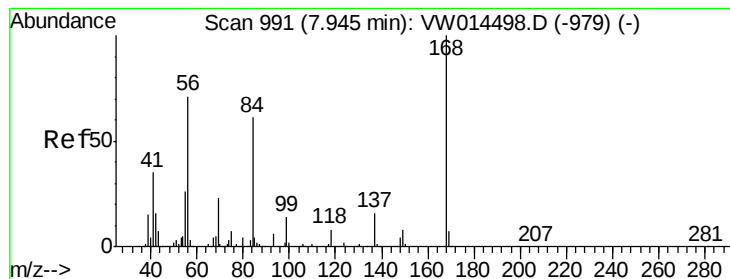
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Quant Title : SW846 8260
QLast Update : Fri Jan 03 15:49:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	1671504	144.034	ug/l	99
94) Hexachlorobutadiene	15.24	225	1041376	134.155	ug/l	97
95) Naphthalene	15.36	128	2997441	157.602	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	1432905	142.805	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: VW014500.D

Acq: 03 Jan 2020 15:40

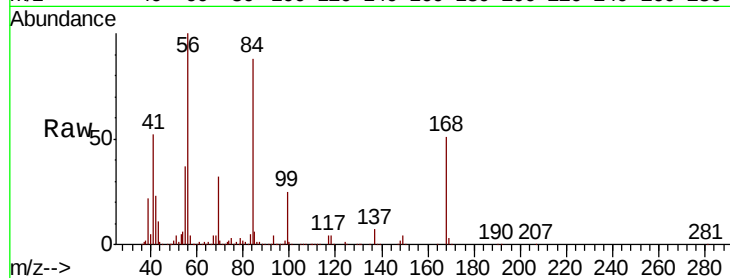
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 894294

Ion Ratio Lower Upper

168 100

99 49.3 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

400000

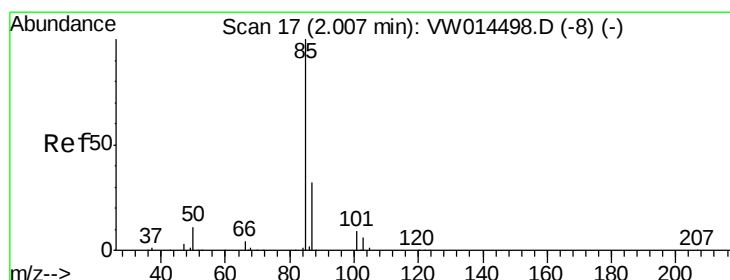
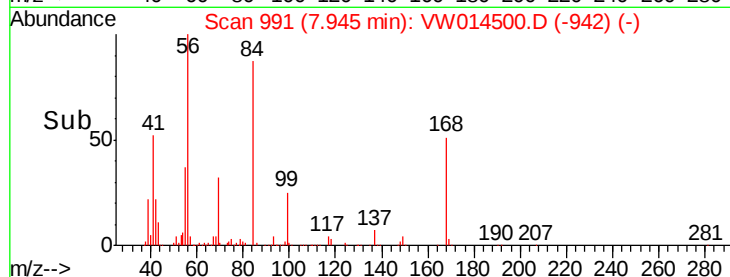
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 139.509 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014500.D

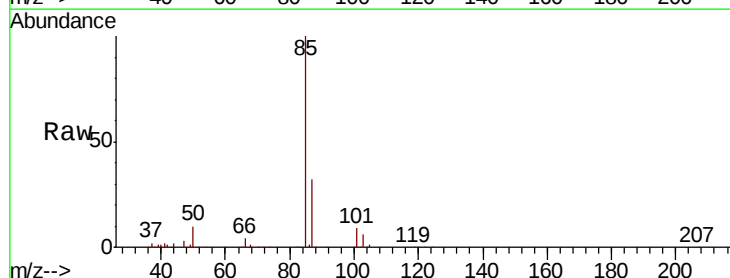
Acq: 03 Jan 2020 15:40

Tgt Ion: 85 Resp: 688827

Ion Ratio Lower Upper

85 100

87 32.2 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

250000

200000

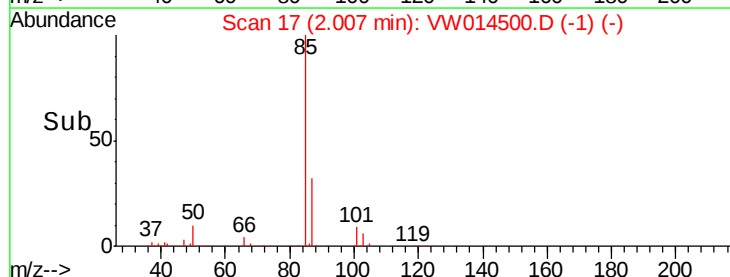
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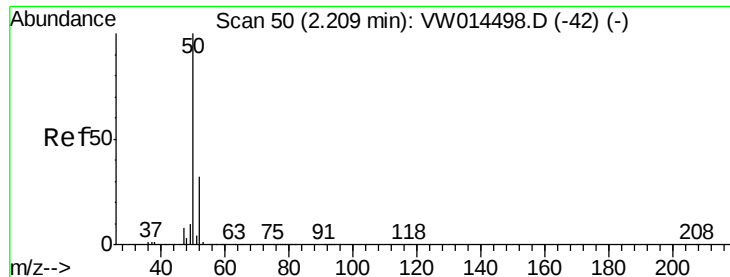
100000

50000

0

Time-->





#3

Chloromethane

Concen: 152.936 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

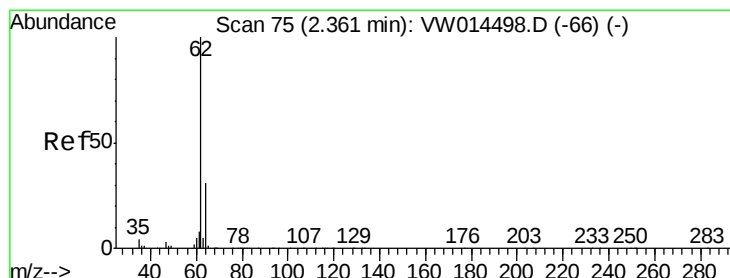
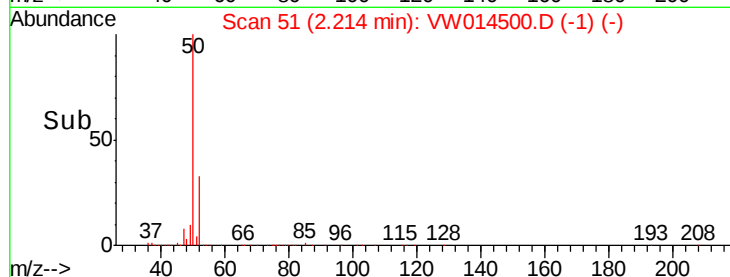
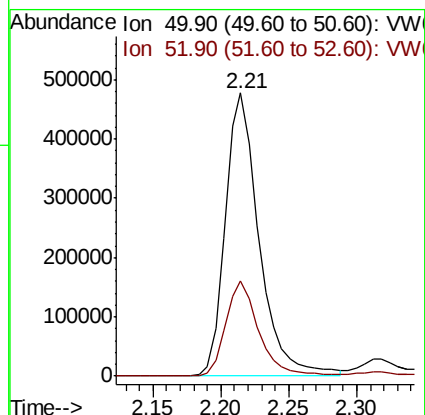
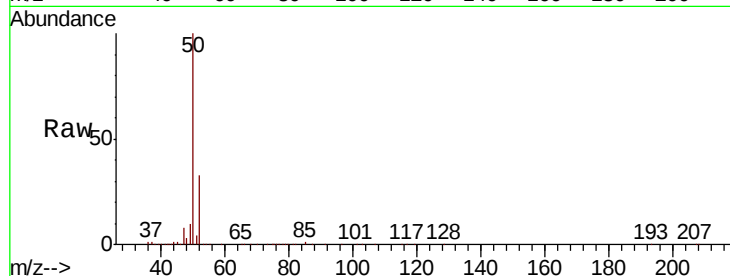
ClientSampled :

Tot Ion: 50 Resp: 820358

Ion Ratio Lower Upper

50 100

52 33.5 25.8 38.8



#4

Vinyl Chloride

Concen: 148.718 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014500.D

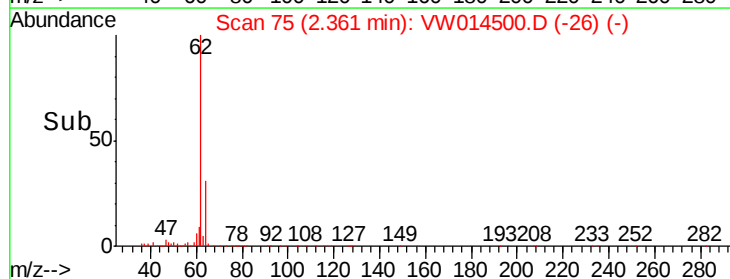
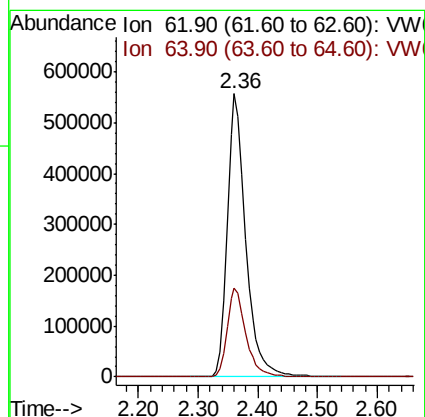
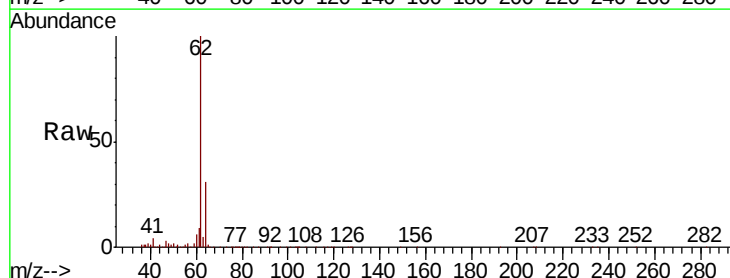
Acq: 03 Jan 2020 15:40

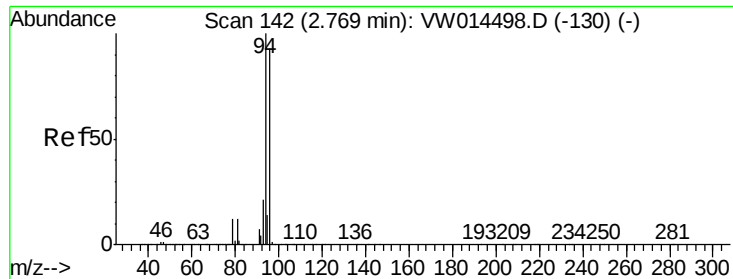
Tgt Ion: 62 Resp: 1205037

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 142.793 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.03 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

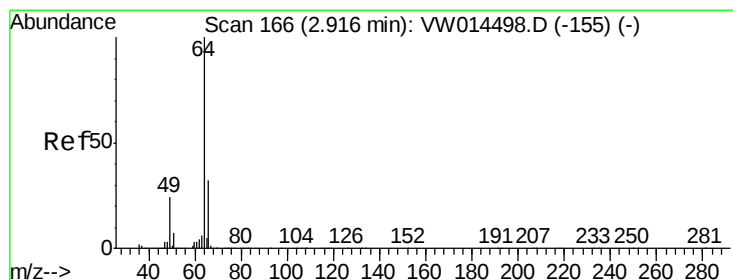
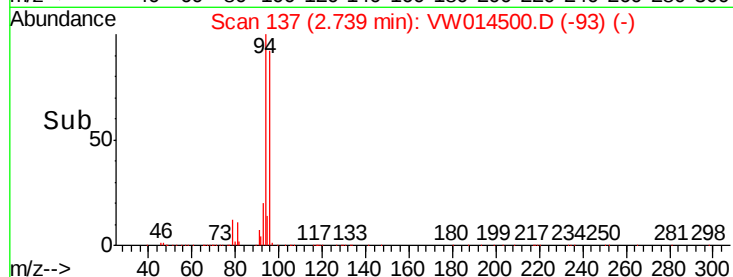
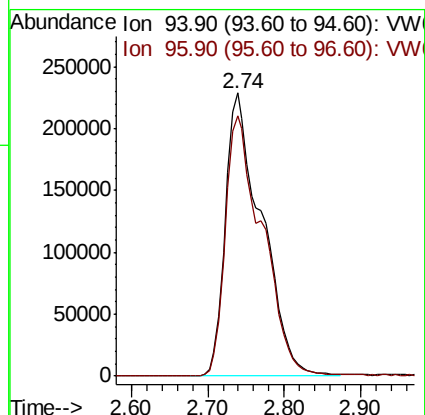
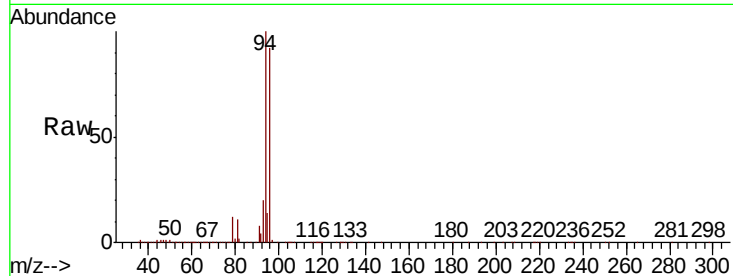
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 747254

Ion Ratio Lower Upper

94 100

96 92.2 74.2 111.2



#6

Chloroethane

Concen: 150.837 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014500.D

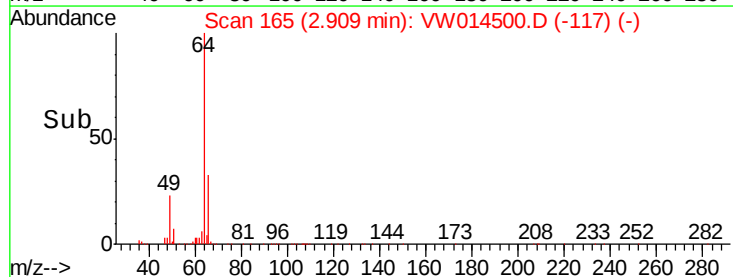
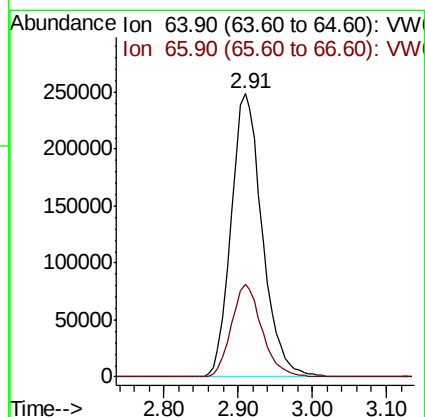
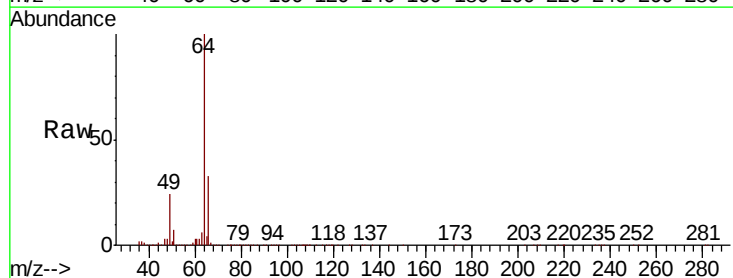
Acq: 03 Jan 2020 15:40

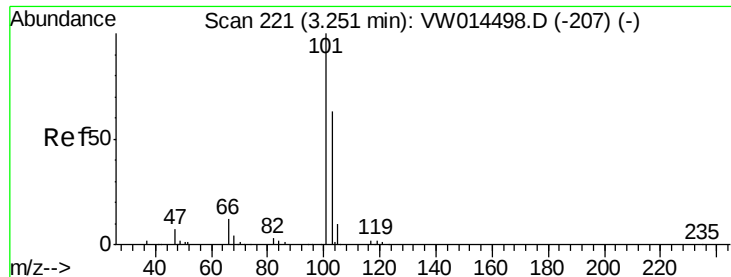
Tgt Ion: 64 Resp: 728275

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5



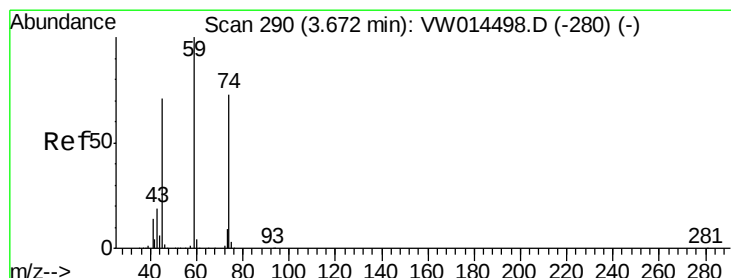
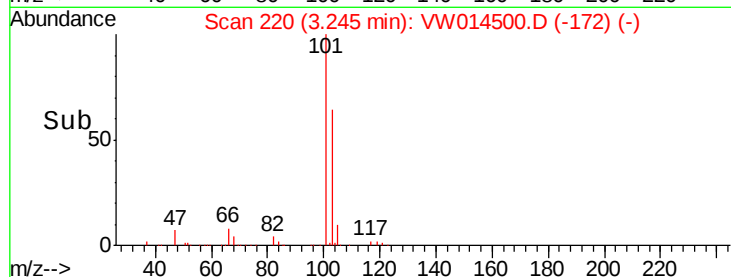
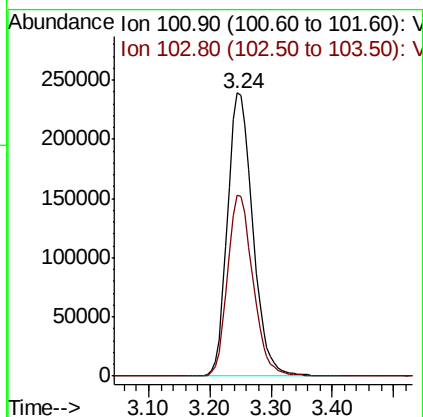
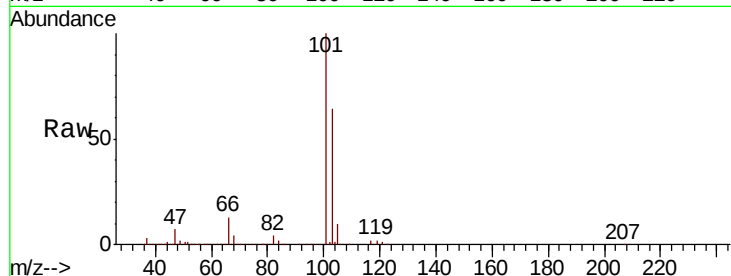


#7

Trichlorofluoromethane
Concen: 142.180 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :

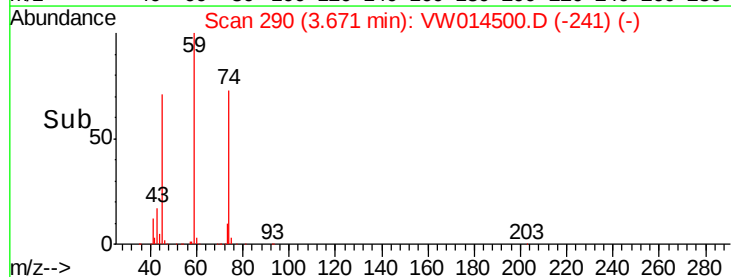
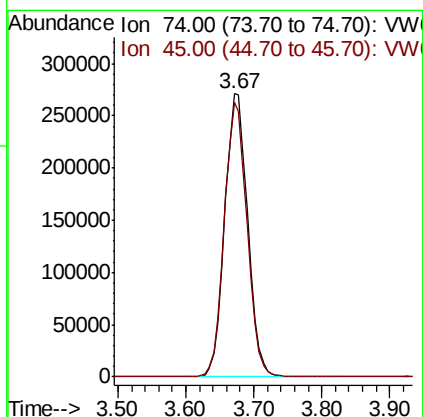
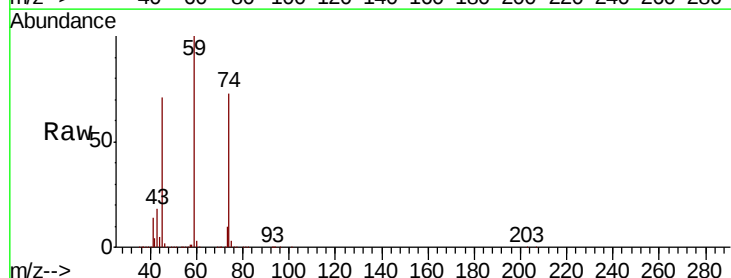
Tot Ion:101 Resp: 681418
Ion Ratio Lower Upper
101 100
103 64.0 50.1 75.1



#8

Diethyl Ether
Concen: 154.588 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 74 Resp: 632852
Ion Ratio Lower Upper
74 100
45 96.0 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 143.134 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

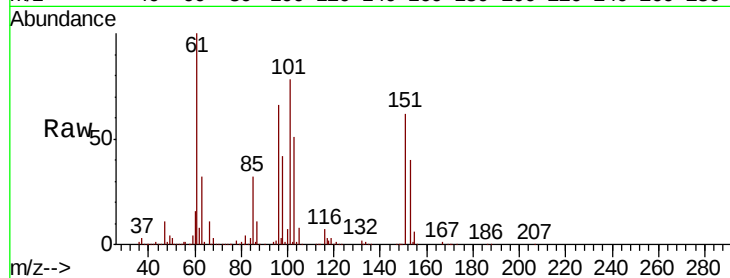
Tot Ion:101 Resp: 1151444

Ion Ratio Lower Upper

101 100

85 41.6 33.7 50.5

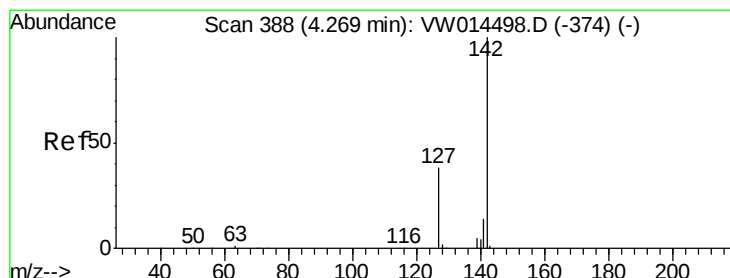
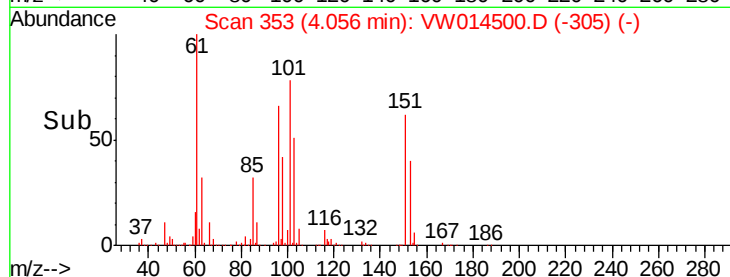
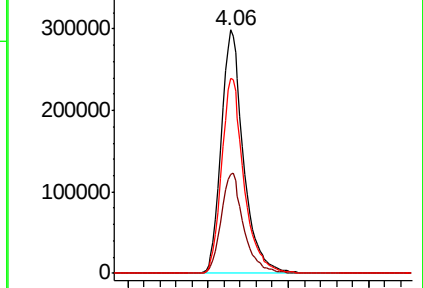
151 80.4 63.5 95.3



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: 139.800 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

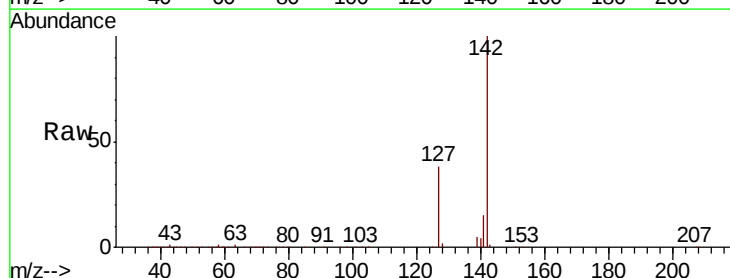
Tgt Ion:142 Resp: 1780652

Ion Ratio Lower Upper

142 100

127 38.6 30.2 45.4

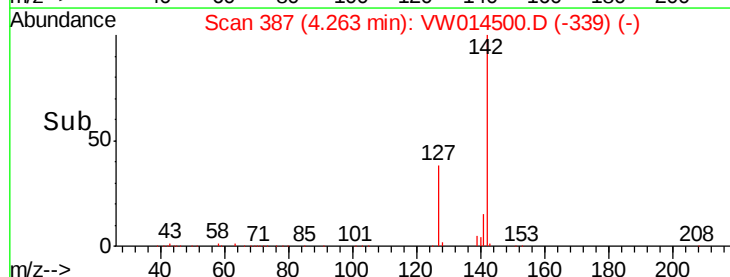
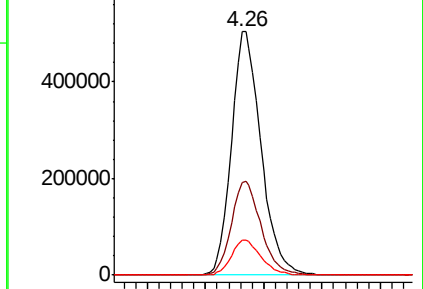
141 14.5 11.4 17.2

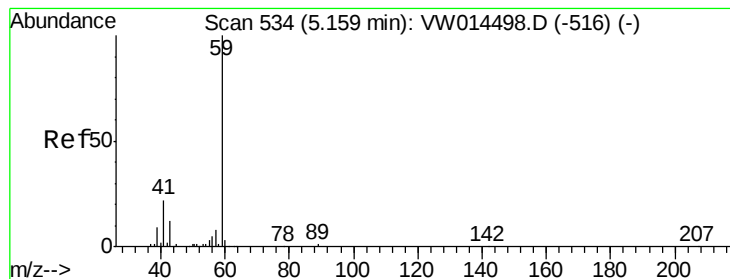


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



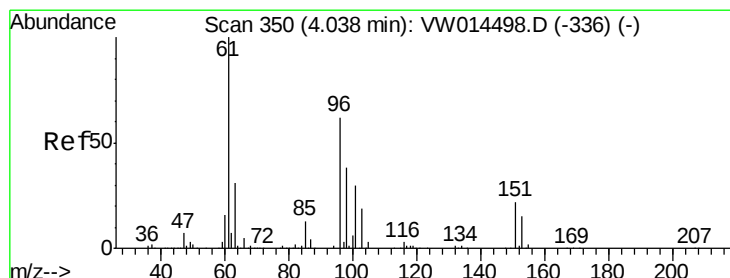
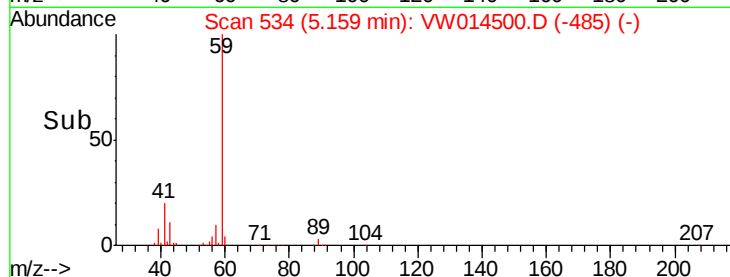
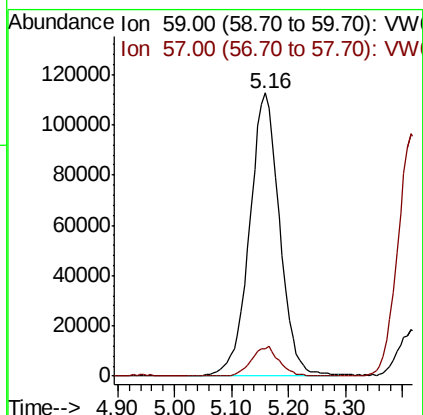
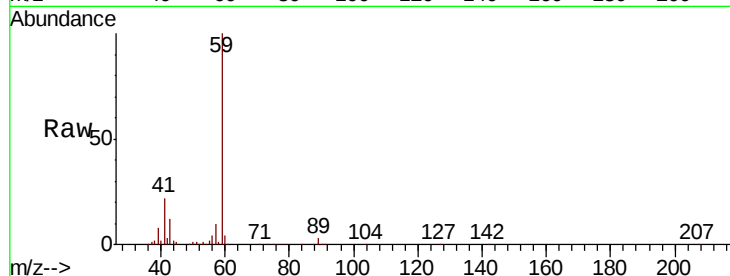


#11

Tert butyl alcohol
Concen: 853.335 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :

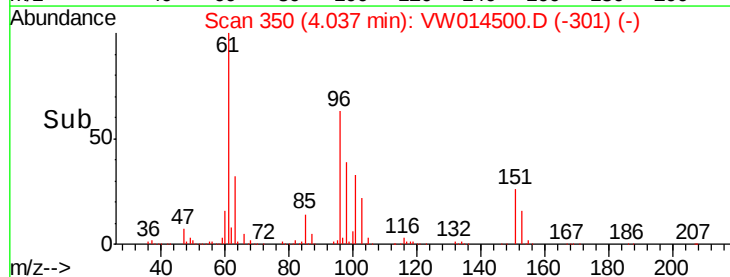
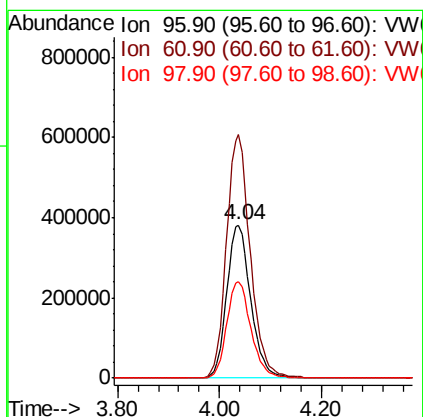
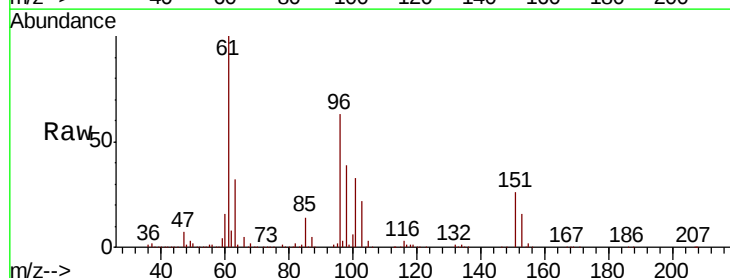
Tot Ion: 59 Resp: 413375
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.8

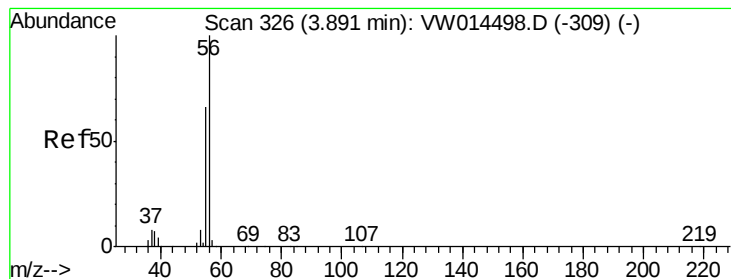


#12

1,1-Dichloroethene
Concen: 149.635 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 96 Resp: 1245991
Ion Ratio Lower Upper
96 100
61 159.3 128.4 192.6
98 62.8 49.1 73.7





#13

Acrolein

Concen: 834.169 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

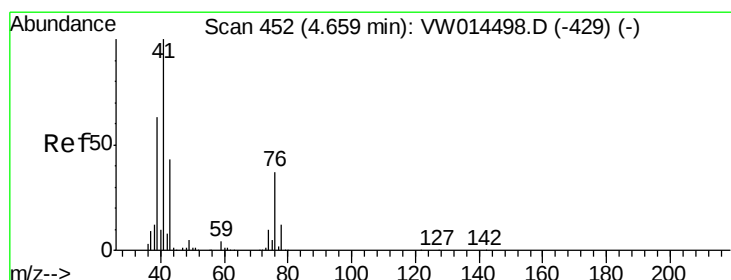
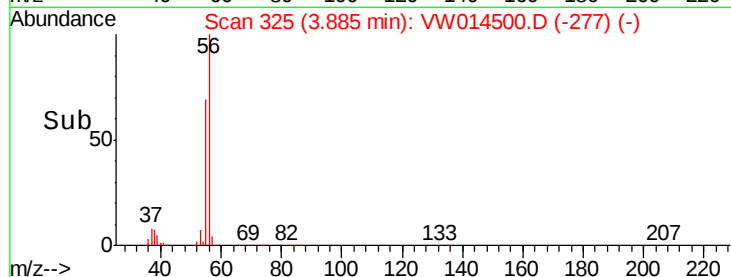
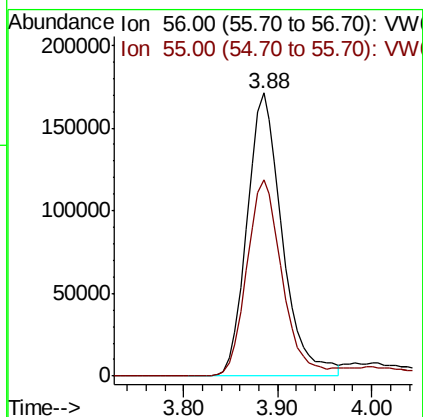
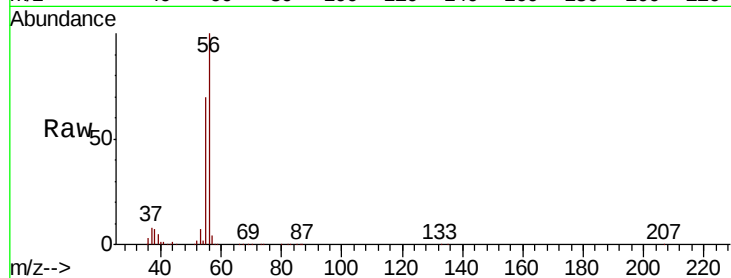
ClientSampleId :

Tot Ion: 56 Resp: 447112

Ion Ratio Lower Upper

56 100

55 69.4 56.7 85.1



#14

Allyl chloride

Concen: 149.115 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

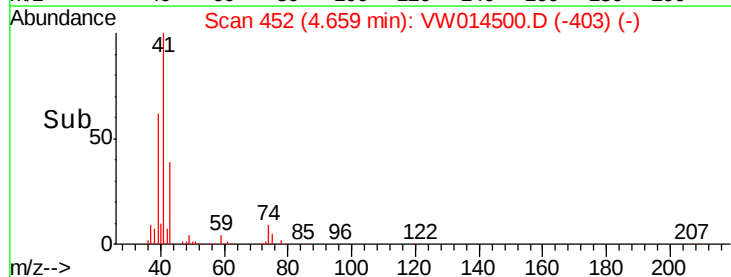
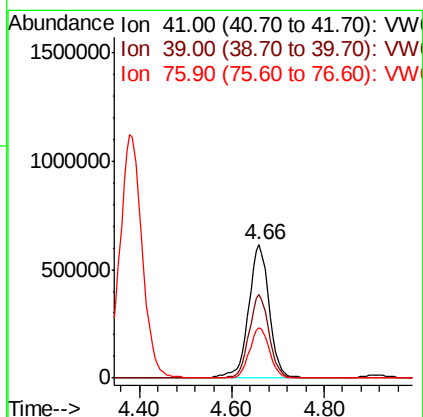
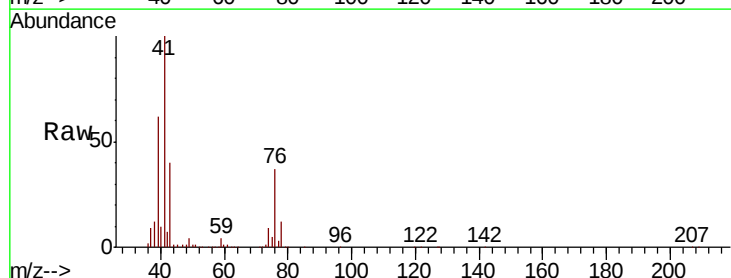
Tgt Ion: 41 Resp: 1909675

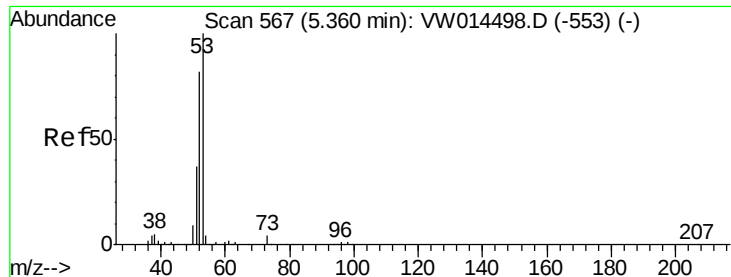
Ion Ratio Lower Upper

41 100

39 60.3 48.5 72.7

76 36.3 28.1 42.1





#15

Acrylonitrile

Concen: 797.771 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

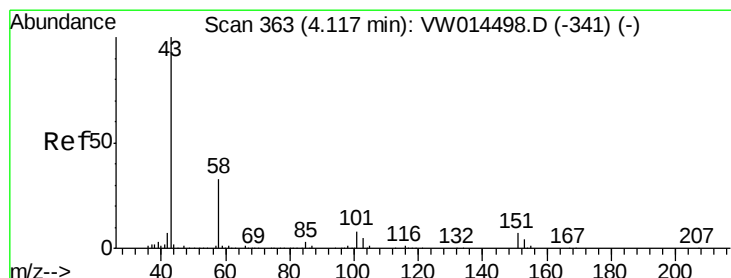
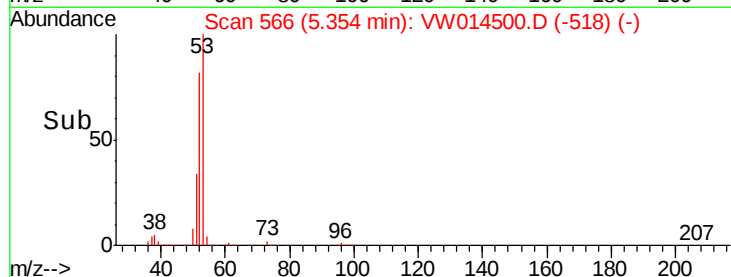
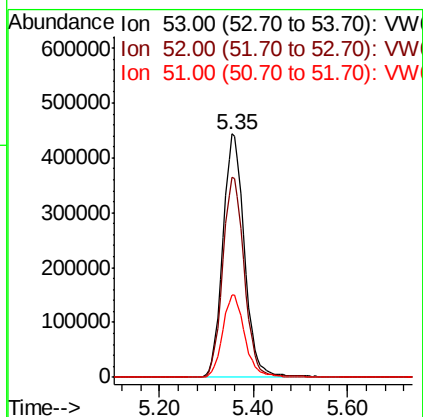
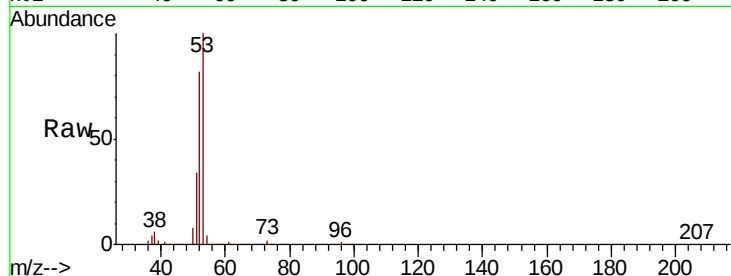
Tot Ion: 53 Resp: 1413394

Ion Ratio Lower Upper

53 100

52 82.1 66.5 99.7

51 34.7 28.4 42.6



#16

Acetone

Concen: 911.669 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014500.D

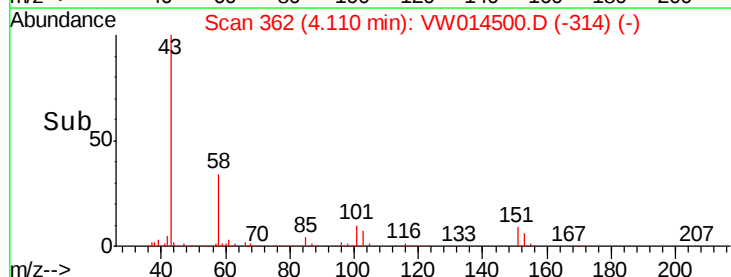
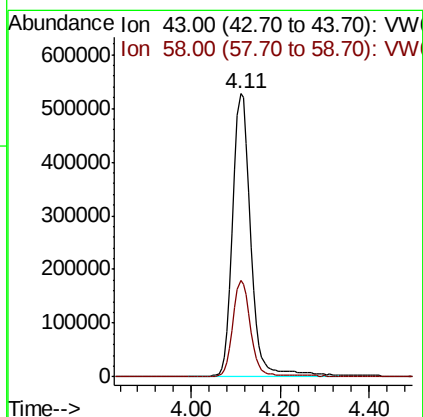
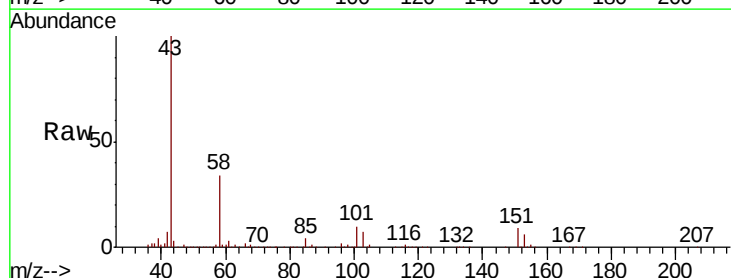
Acq: 03 Jan 2020 15:40

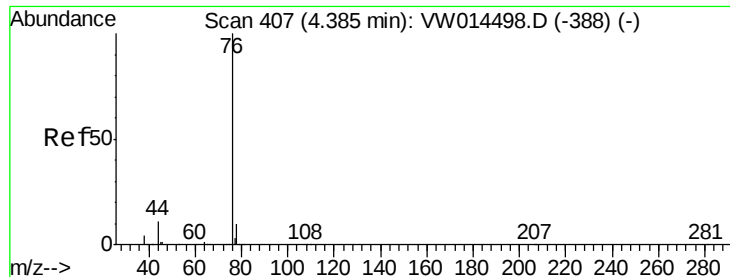
Tgt Ion: 43 Resp: 1511295

Ion Ratio Lower Upper

43 100

58 34.1 26.6 39.8

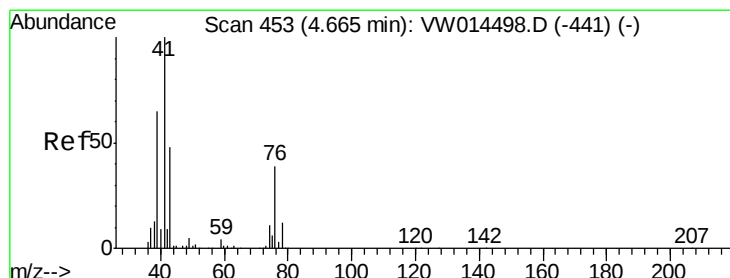
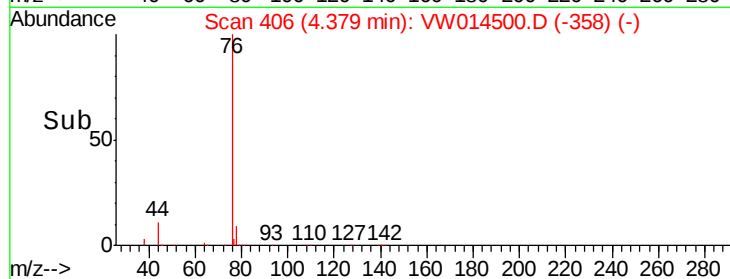
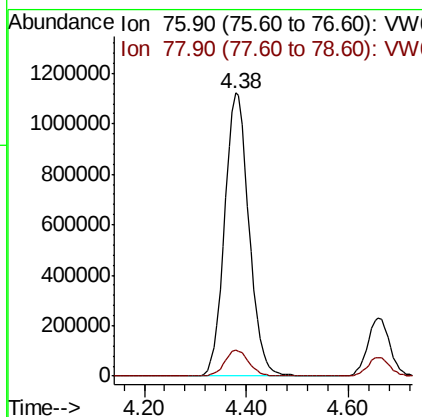
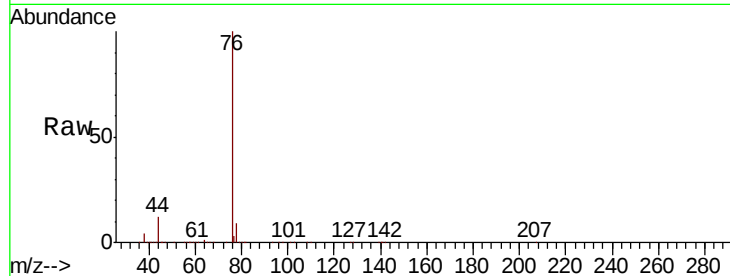




#17
Carbon Disulfide
Concen: 153.207 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

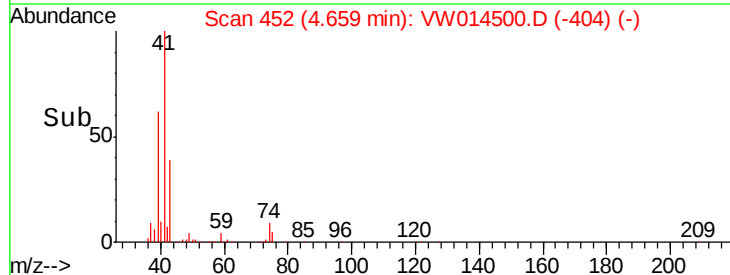
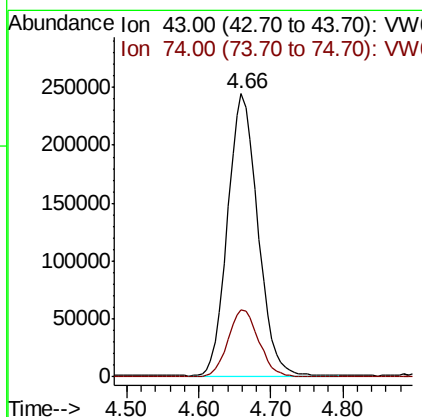
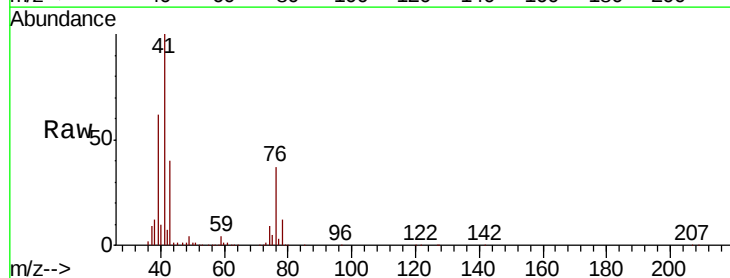
Instrument :
MSVOA_W
ClientSampleId :

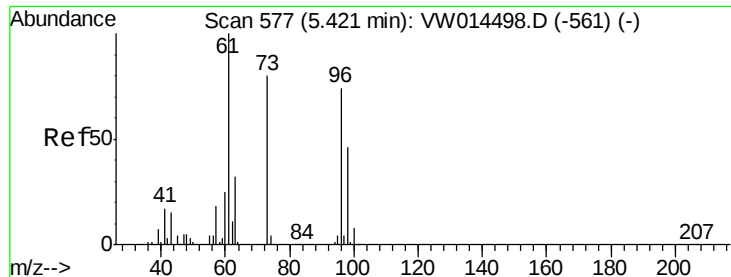
Tot Ion: 76 Resp: 3713820
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6



#18
Methyl Acetate
Concen: 159.288 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 43 Resp: 712309
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9

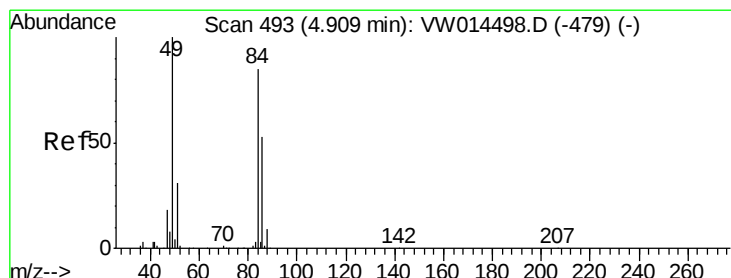
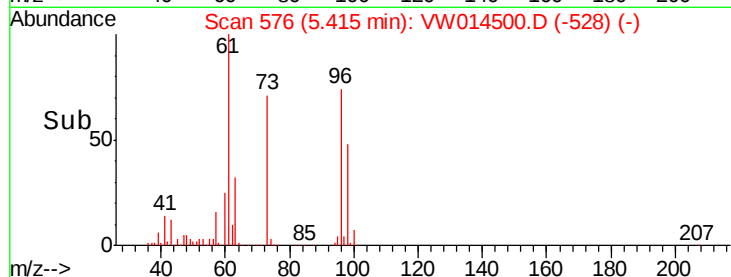
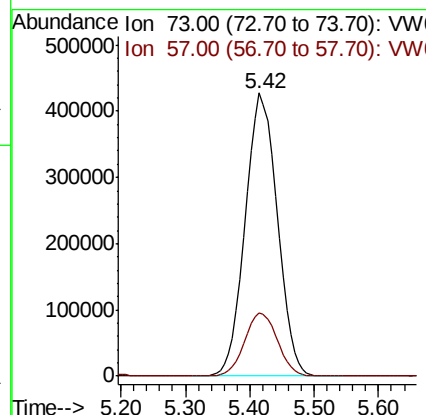
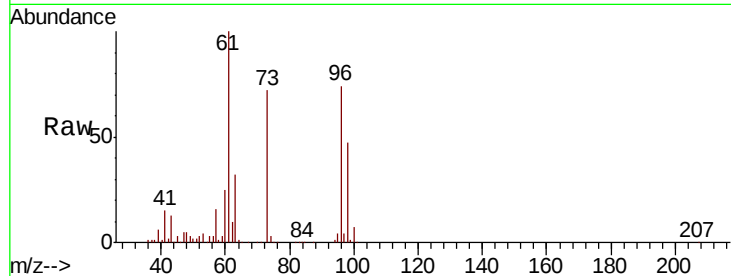




#19
Methyl tert-butyl Ether
Concen: 144.643 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

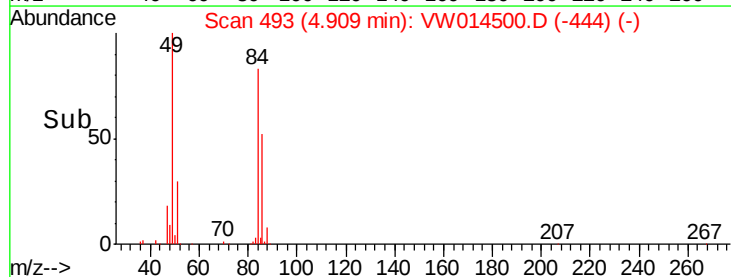
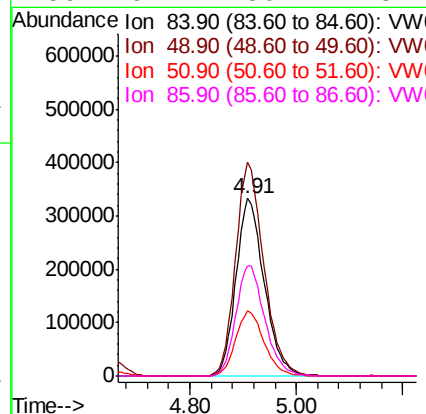
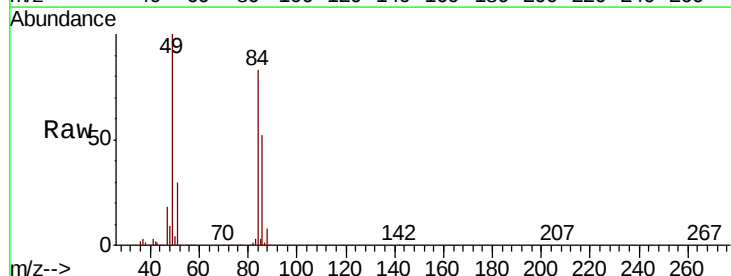
Instrument :
MSVOA_W
ClientSampled :

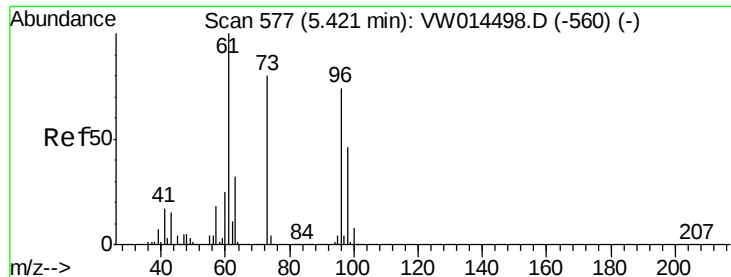
Tot Ion: 73 Resp: 1470899
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1



#20
Methylene Chloride
Concen: 131.851 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 84 Resp: 1228344
Ion Ratio Lower Upper
84 100
49 120.4 94.4 141.6
51 36.6 29.5 44.3
86 62.2 50.2 75.2



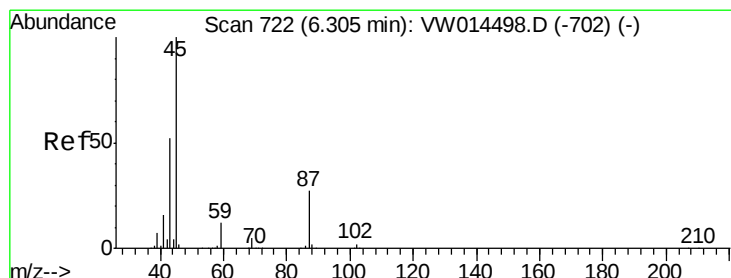
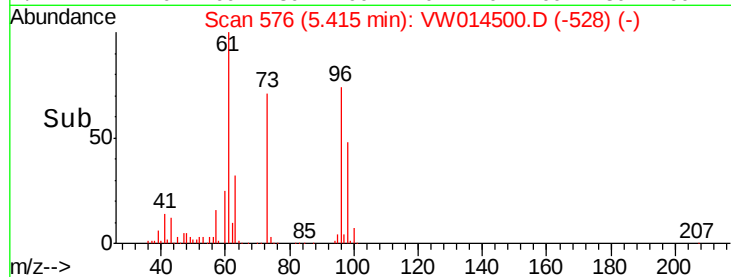
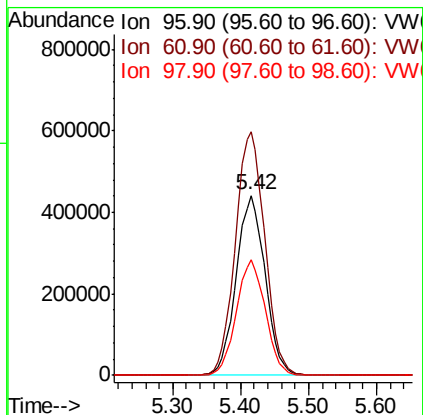
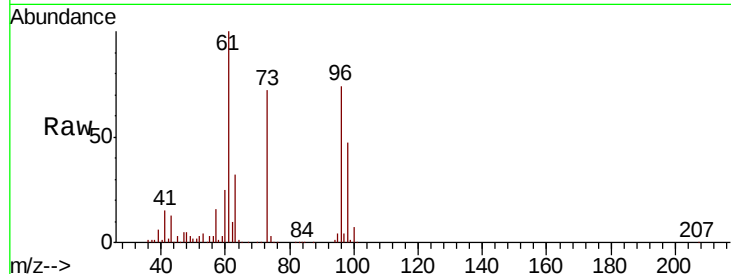


#21

trans-1,2-Dichloroethene
Concen: 146.303 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :

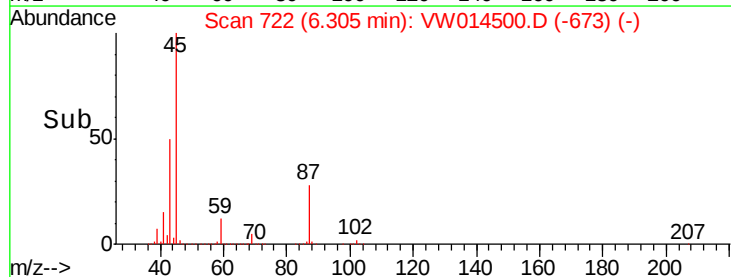
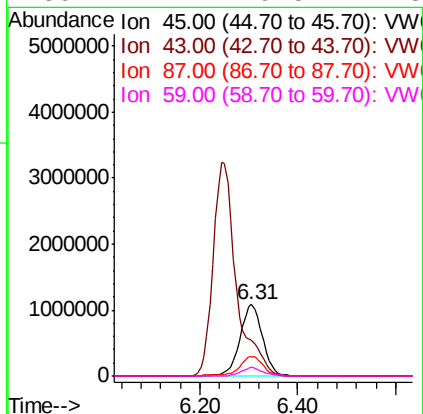
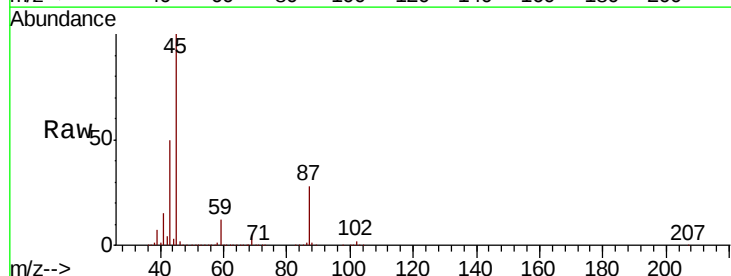
Tot Ion: 96 Resp: 1301948
Ion Ratio Lower Upper
96 100
61 135.4 107.8 161.6
98 64.3 49.4 74.0

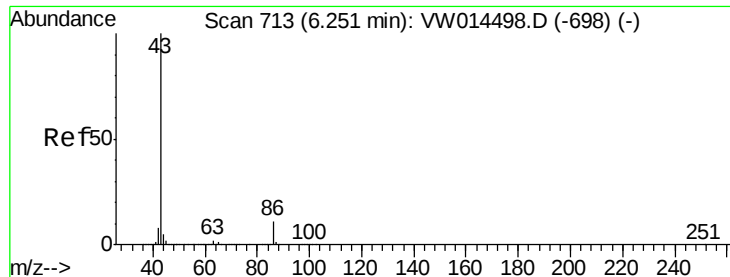


#22

Diisopropyl ether
Concen: 147.792 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 45 Resp: 3462598
Ion Ratio Lower Upper
45 100
43 50.0 41.4 62.0
87 27.7 22.2 33.2
59 12.1 9.5 14.3





#23

Vinyl Acetate

Concen: 766.691 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

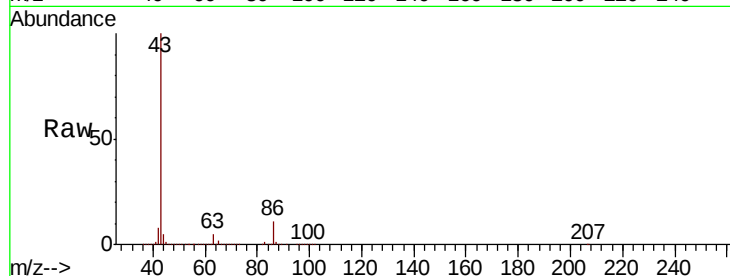
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp:10709398

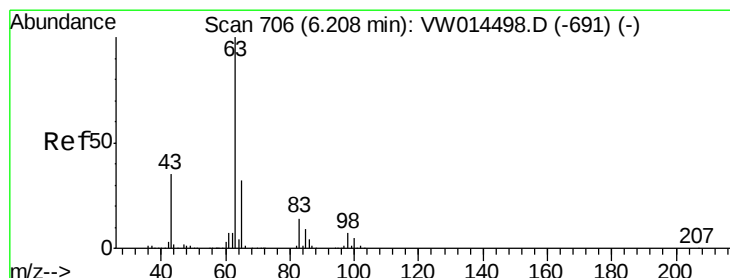
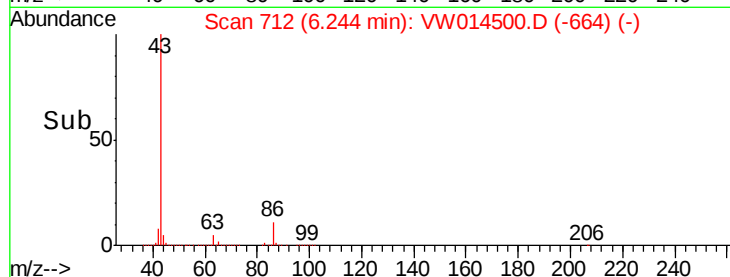
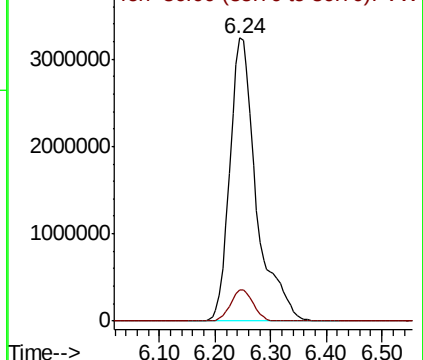
Ion Ratio Lower Upper

43 100

86 11.1 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 149.452 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

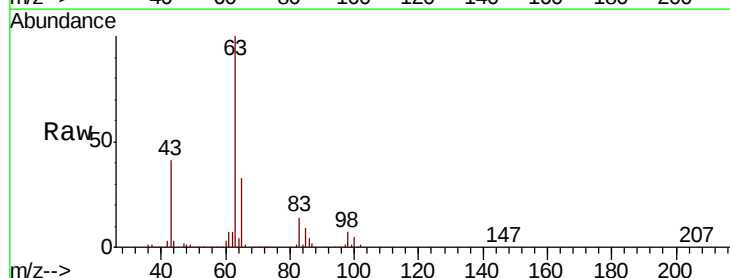
Tgt Ion: 63 Resp: 2215465

Ion Ratio Lower Upper

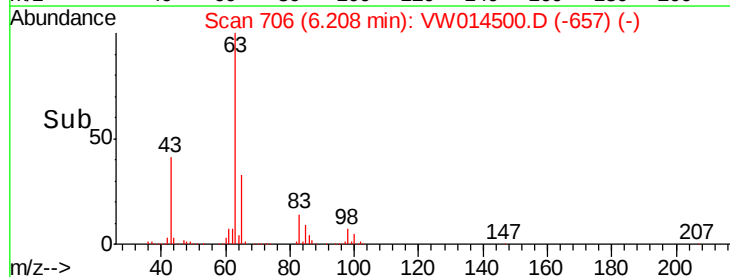
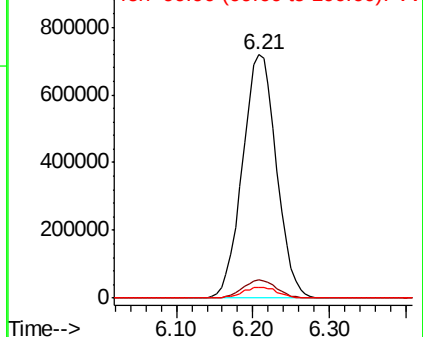
63 100

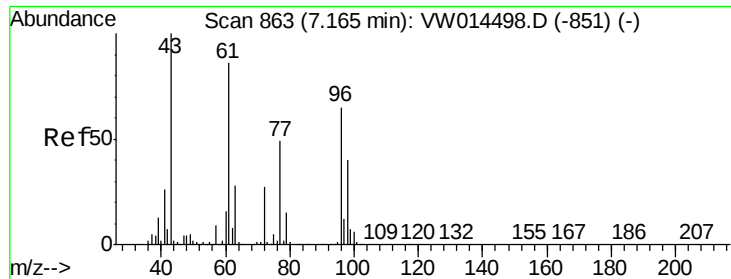
98 7.4 3.5 10.4

100 4.6 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





#25

2-Butanone

Concen: 821.146 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

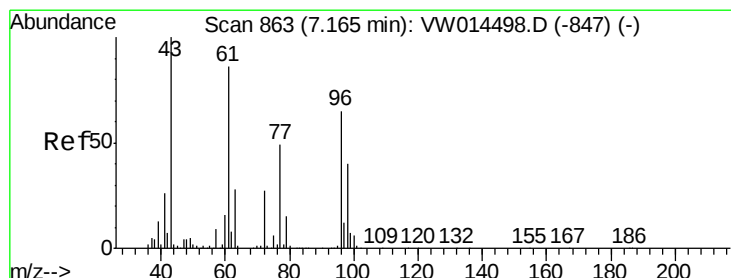
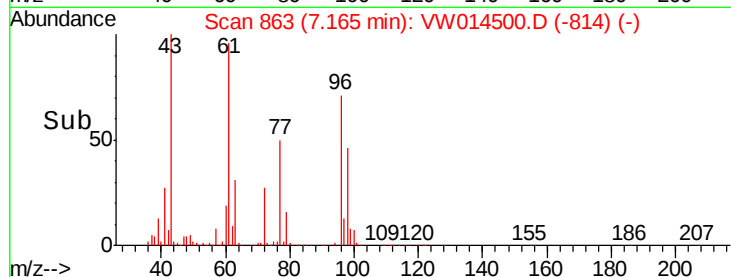
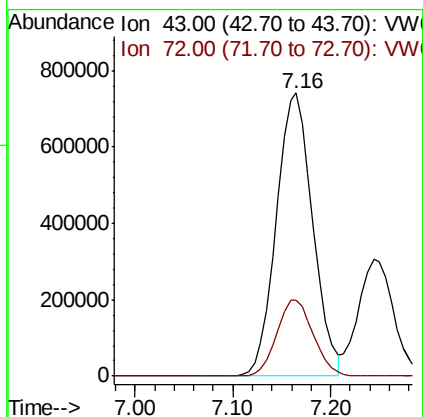
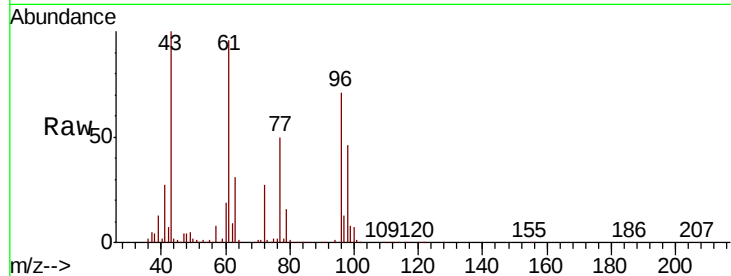
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1922744

Ion Ratio Lower Upper

43 100

72 26.8 21.9 32.9



#26

2,2-Dichloropropane

Concen: 131.975 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014500.D

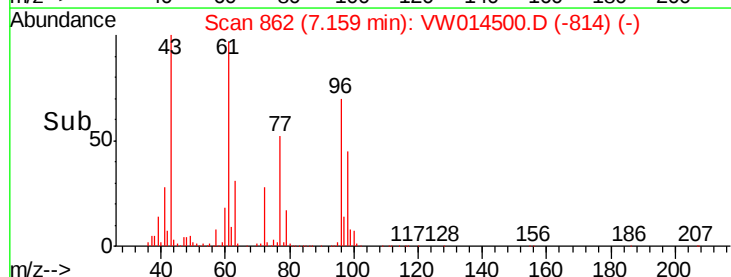
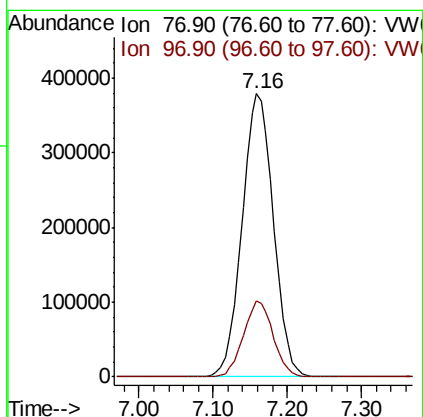
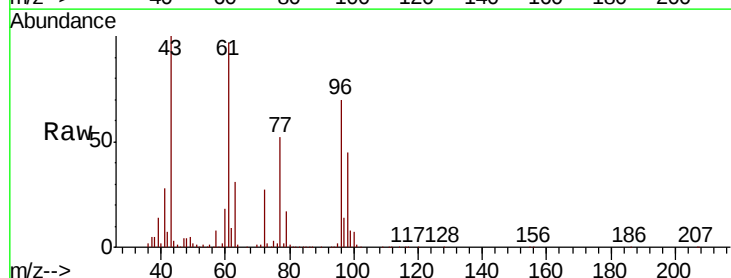
Acq: 03 Jan 2020 15:40

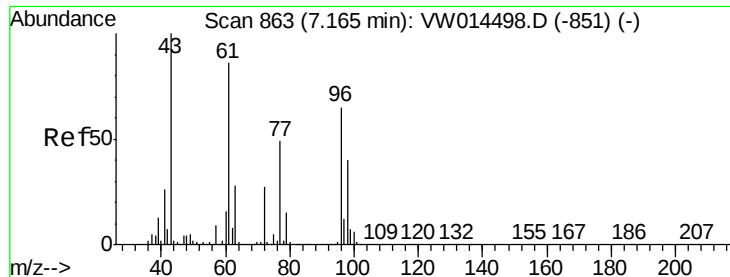
Tgt Ion: 77 Resp: 1114371

Ion Ratio Lower Upper

77 100

97 25.5 12.5 37.5



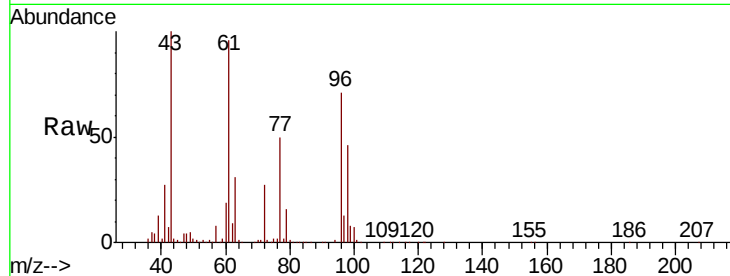


#27

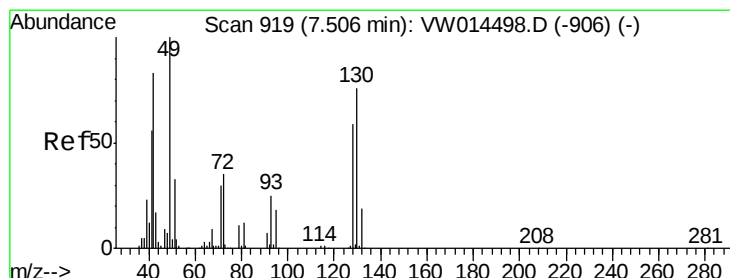
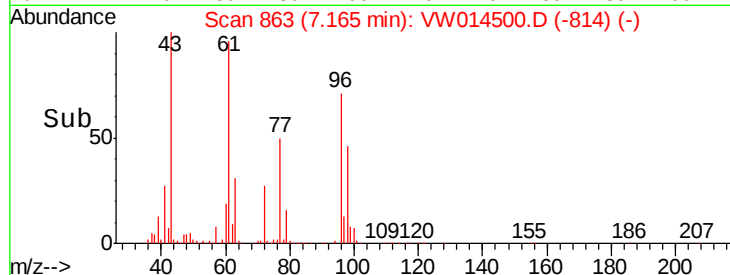
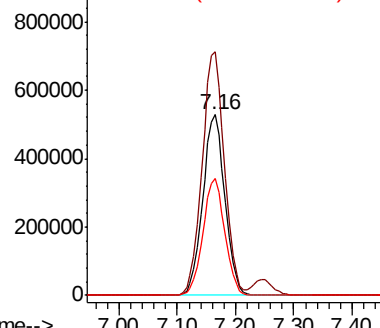
cis-1,2-Dichloroethene
Concen: 147.442 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 1389045
Ion Ratio Lower Upper
96 100
61 136.5 0.0 274.8
98 64.1 0.0 128.6



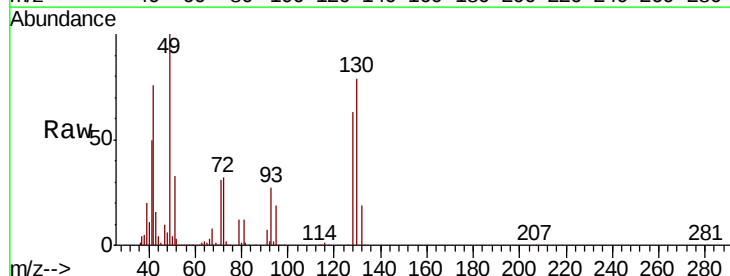
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



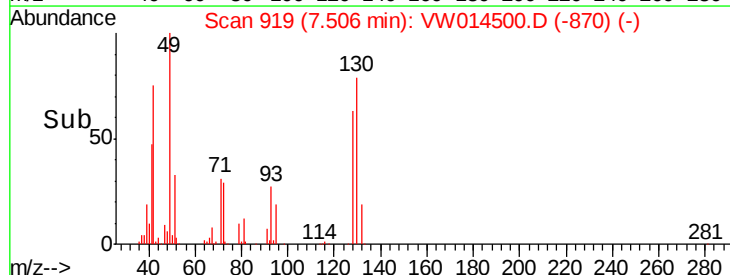
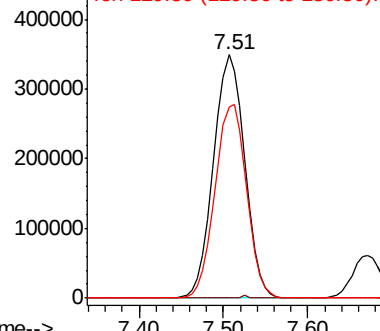
#28

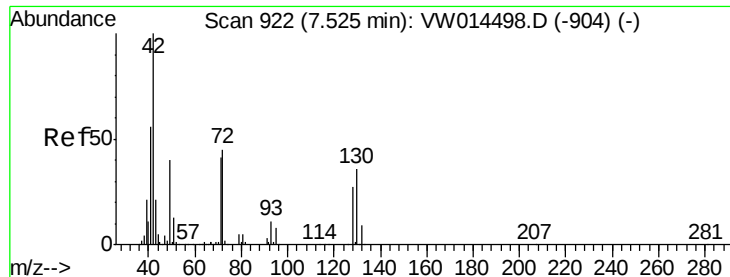
Bromochloromethane
Concen: 172.893 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 49 Resp: 876757
Ion Ratio Lower Upper
49 100
129 0.2 0.0 2.0
130 80.3 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

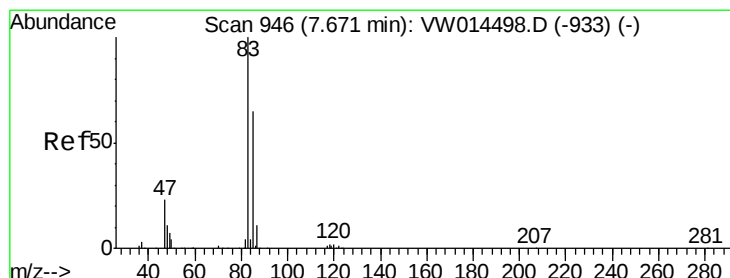
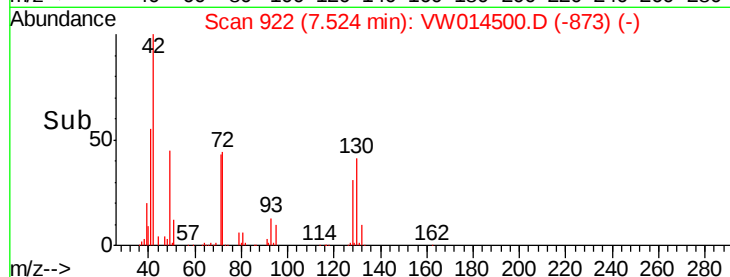
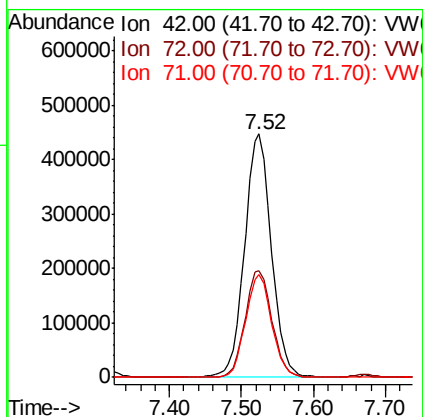
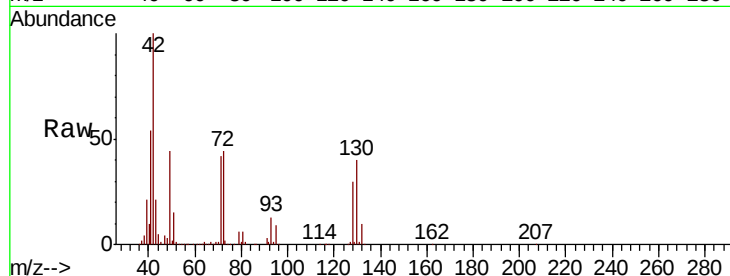




#29
Tetrahydrofuran
Concen: 793.355 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

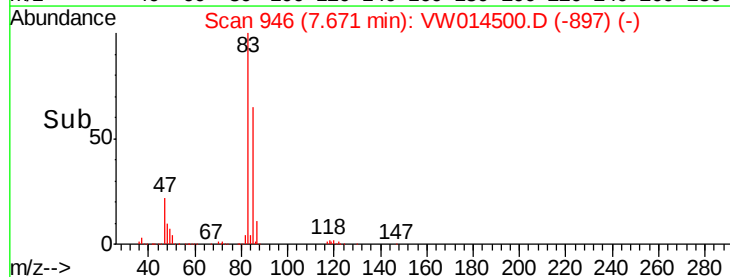
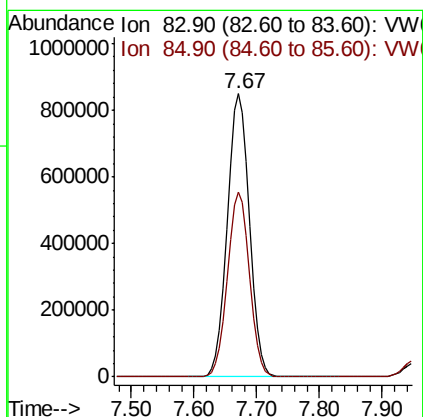
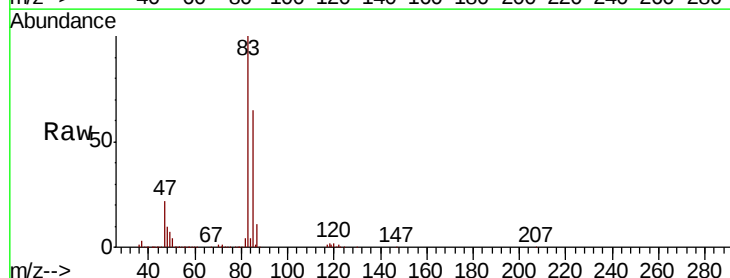
Instrument :
MSVOA_W
ClientSampleId :

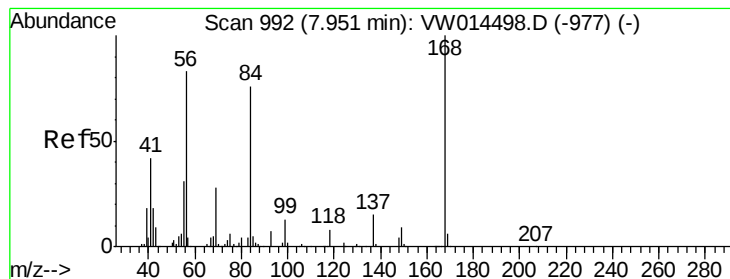
Tot Ion: 42 Resp: 1152531
Ion Ratio Lower Upper
42 100
72 43.9 34.5 51.7
71 41.2 32.0 48.0



#30
Chloroform
Concen: 143.232 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 83 Resp: 2069939
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.2





#31

Cyclohexane

Concen: 140.802 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

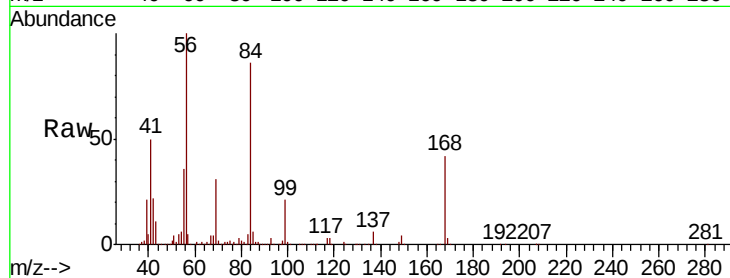
Tot Ion: 56 Resp: 2181880

Ion Ratio Lower Upper

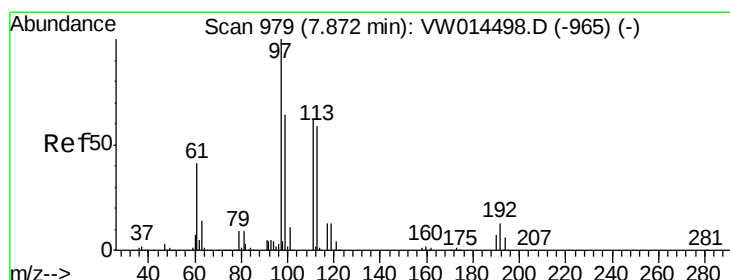
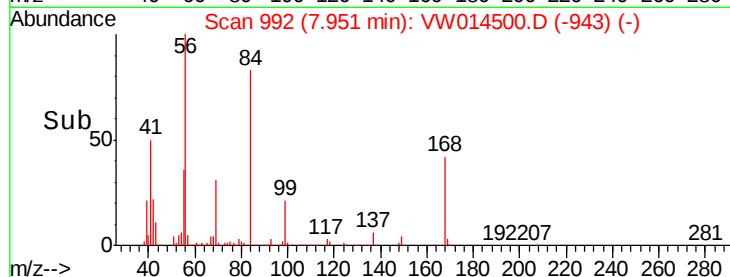
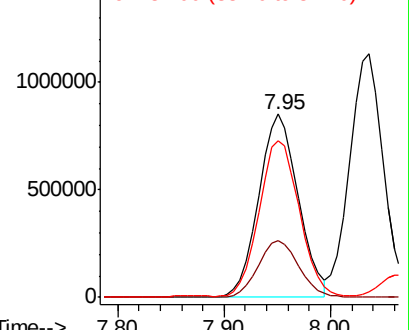
56 100

69 31.2 26.8 40.2

84 84.7 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: 145.477 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

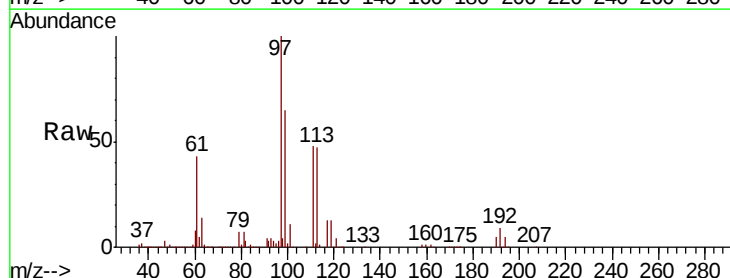
Tgt Ion: 97 Resp: 1659863

Ion Ratio Lower Upper

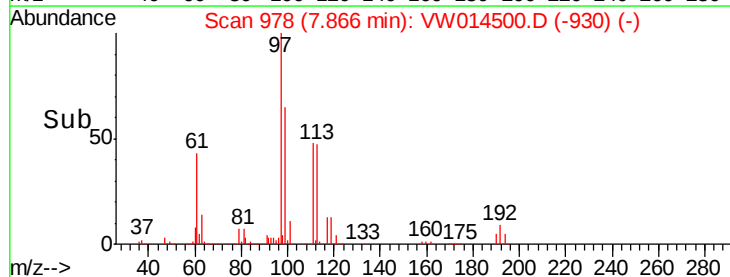
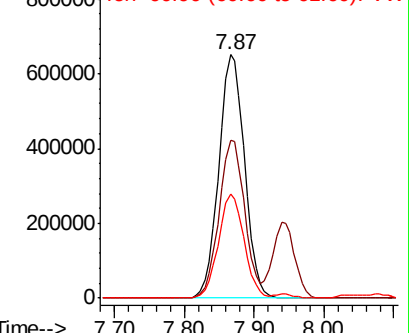
97 100

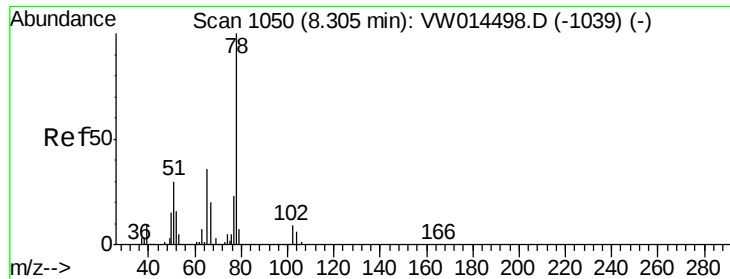
99 64.7 51.8 77.6

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

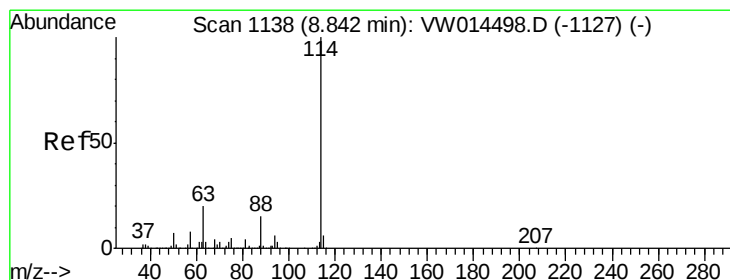
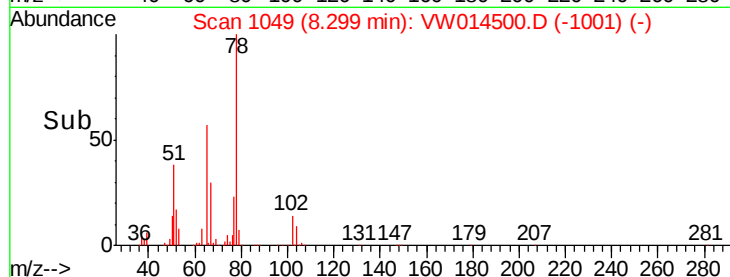
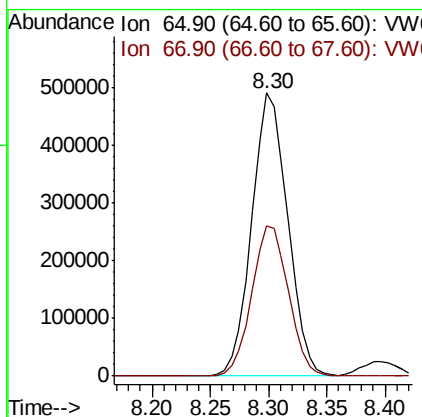
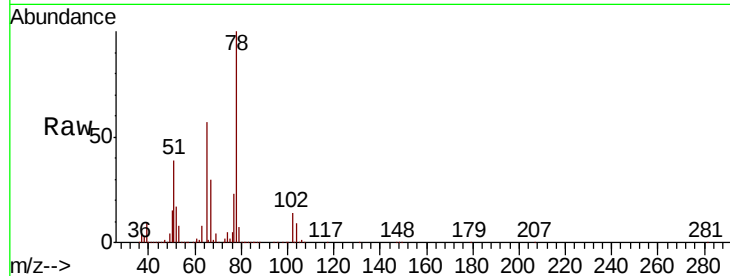




#33
 1,2-Dichloroethane-d4
 Concen: 150.832 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

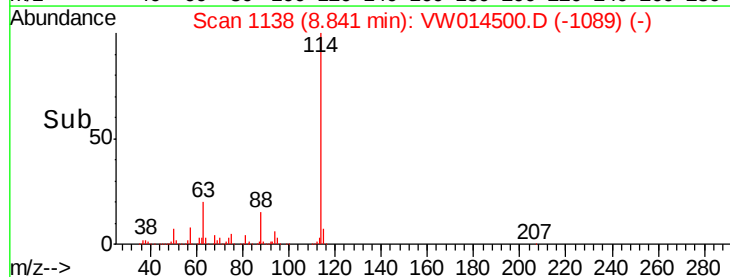
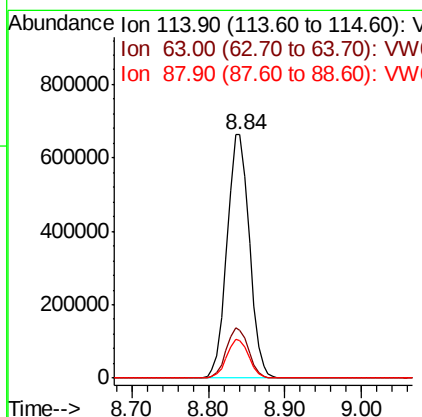
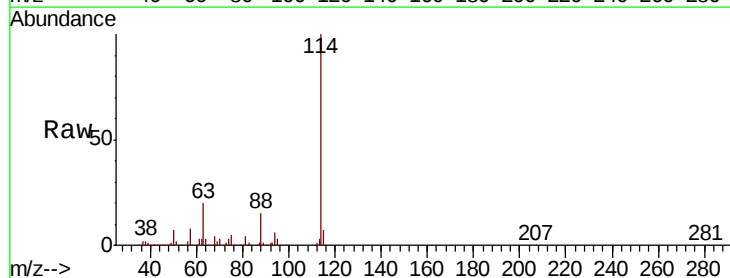
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 65 Resp: 1056594
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion: 114 Resp: 1340599
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.4
 88 15.4 0.0 30.6

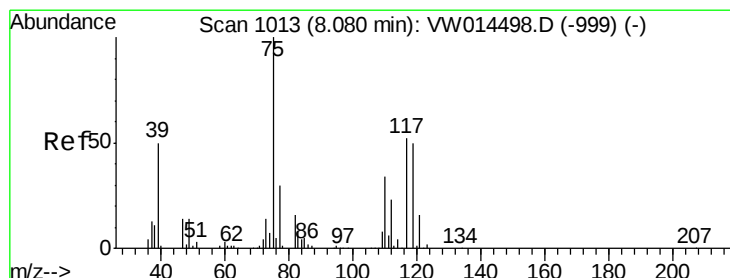
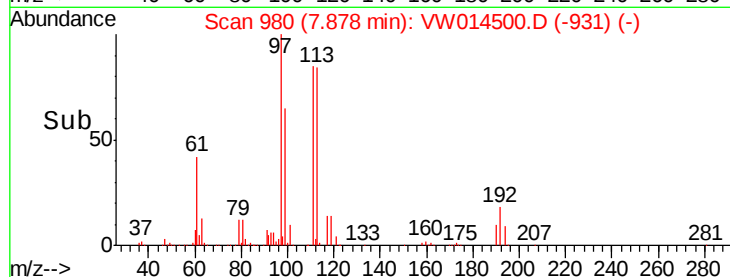
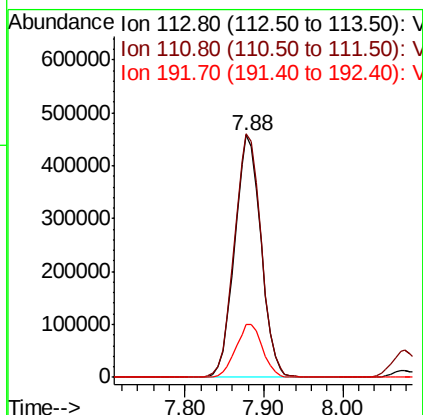
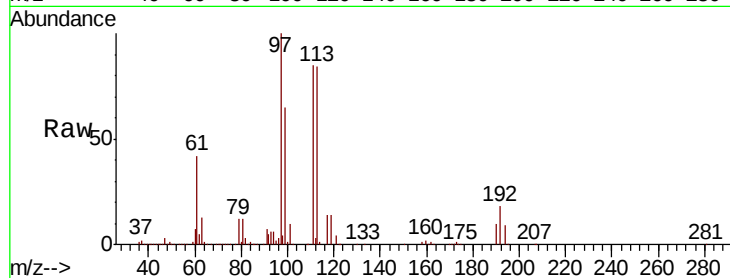




#35
 Dibromofluoromethane
 Concen: 143.085 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

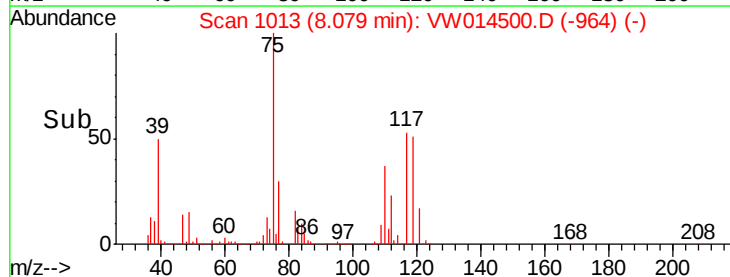
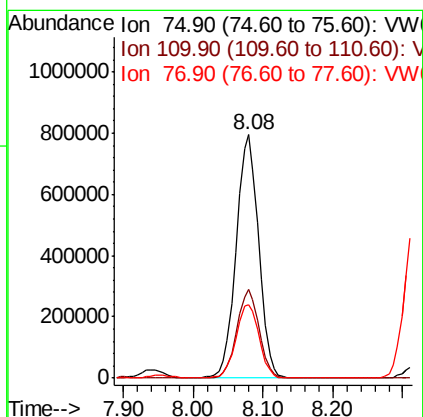
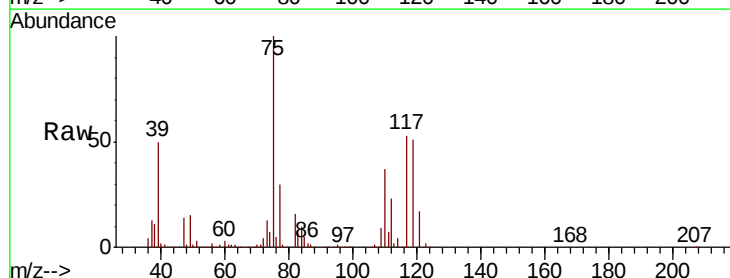
Instrument :
 MSVOA_W
 ClientSampleId :

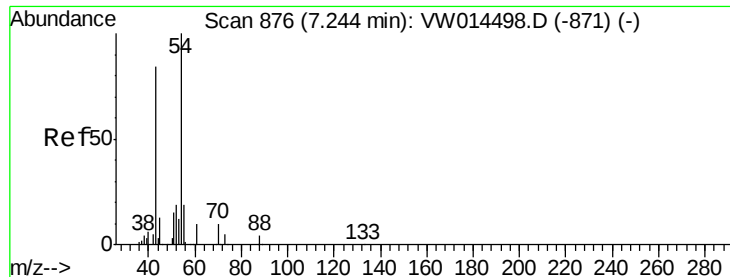
Tot Ion:113 Resp: 1061428
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.2
 192 22.2 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 140.084 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion: 75 Resp: 1767368
 Ion Ratio Lower Upper
 75 100
 110 36.0 17.8 53.5
 77 31.2 24.7 37.1

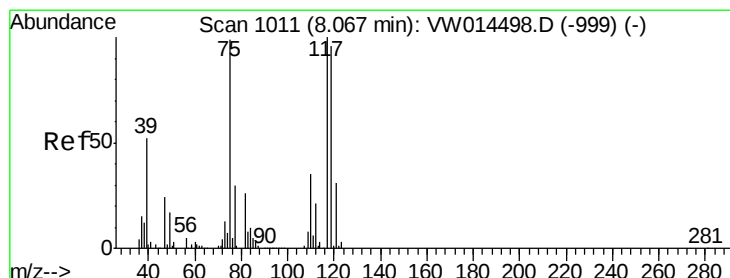
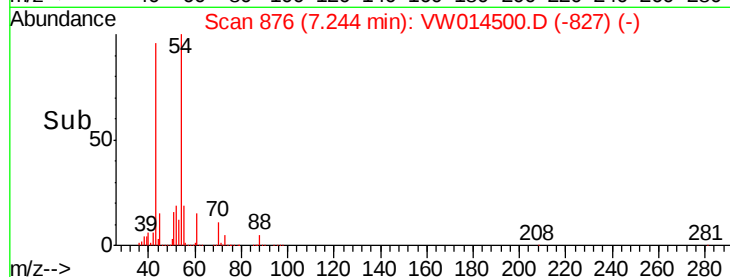
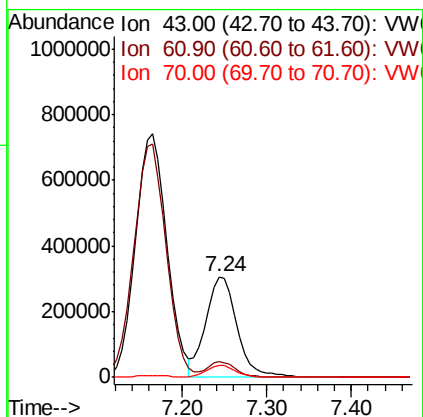
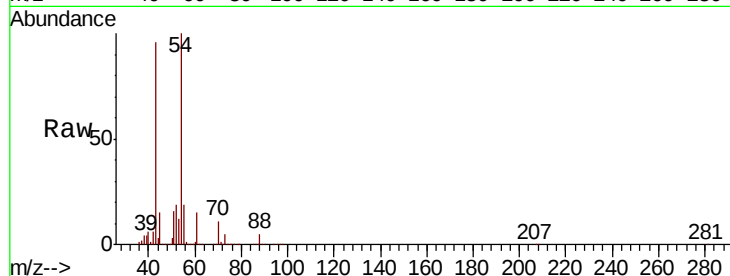




#37
Ethyl Acetate
Concen: 149.630 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

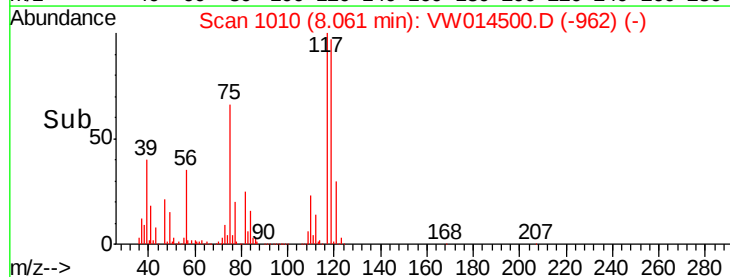
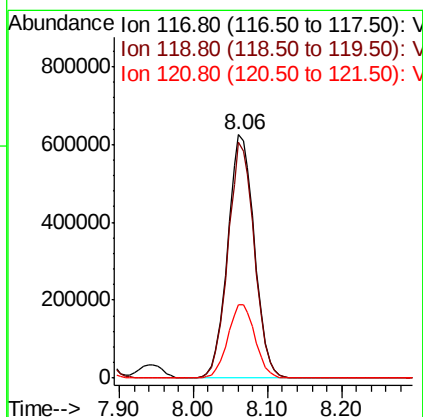
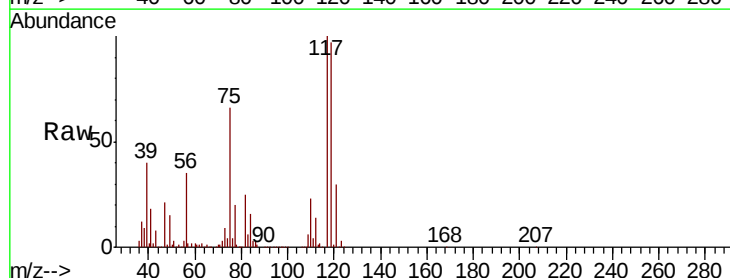
Instrument :
MSVOA_W
ClientSampled :

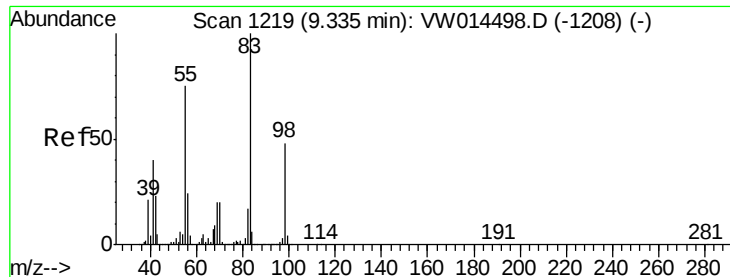
Tot Ion: 43 Resp: 787636
Ion Ratio Lower Upper
43 100
61 13.7 11.7 17.5
70 11.3 9.0 13.6



#38
Carbon Tetrachloride
Concen: 139.344 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 117 Resp: 1564865
Ion Ratio Lower Upper
117 100
119 97.1 77.0 115.6
121 30.3 24.6 36.8



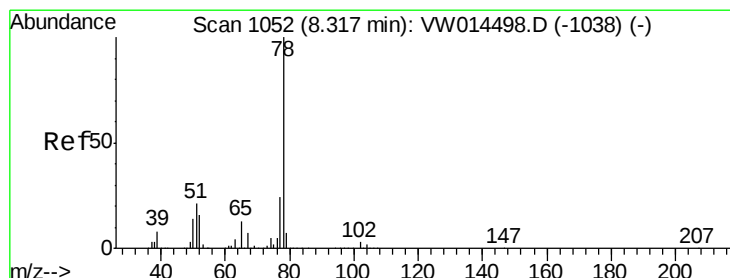
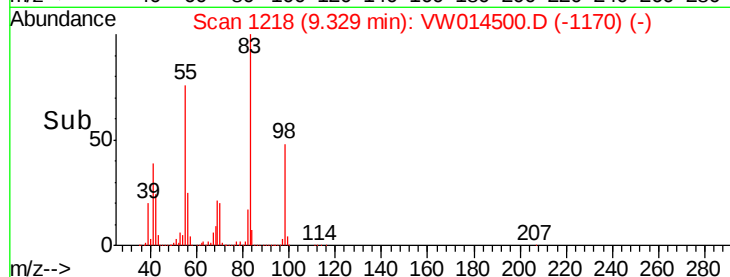
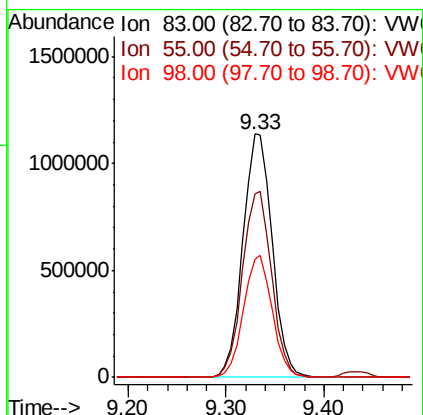
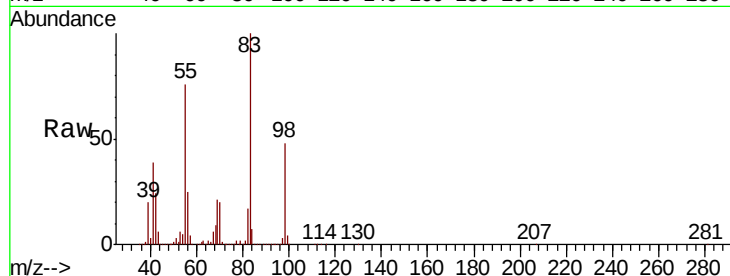


#39
Methvlcvclohexane
Concen: 145.505 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 2363535

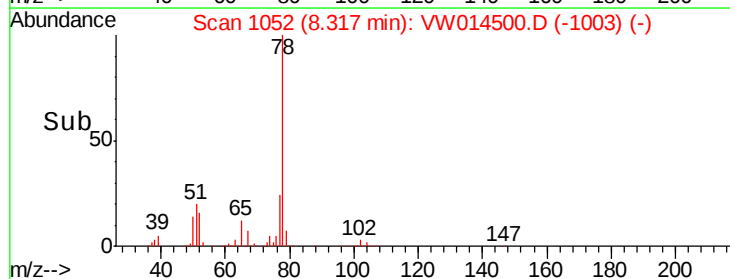
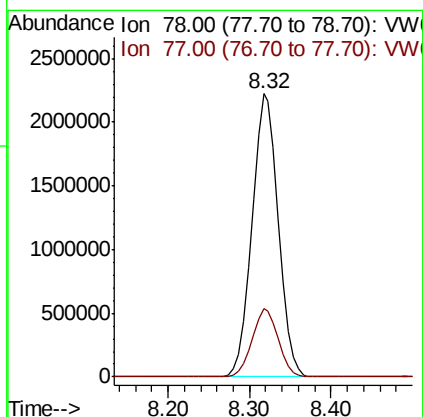
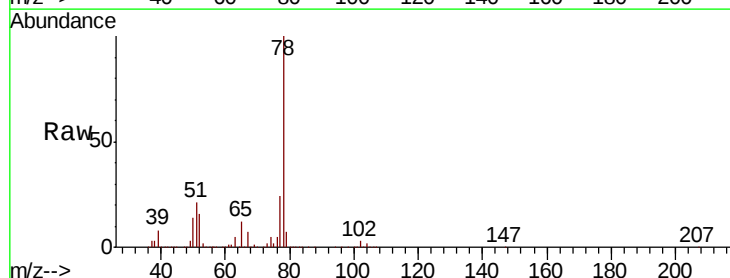
Ion	Ratio	Lower	Upper
83	100		
55	75.6	60.1	90.1
98	48.5	38.8	58.2

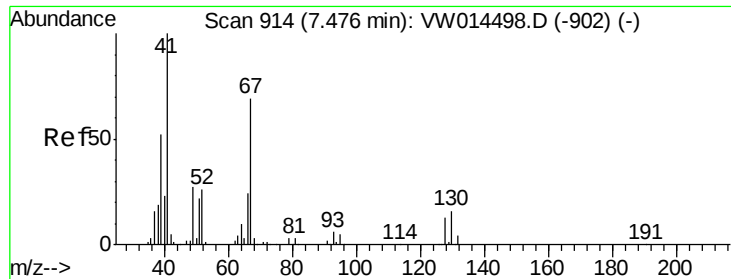


#40
Benzene
Concen: 140.083 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 78 Resp: 4991137

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9

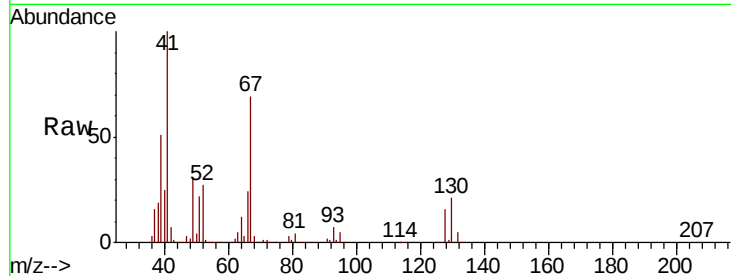




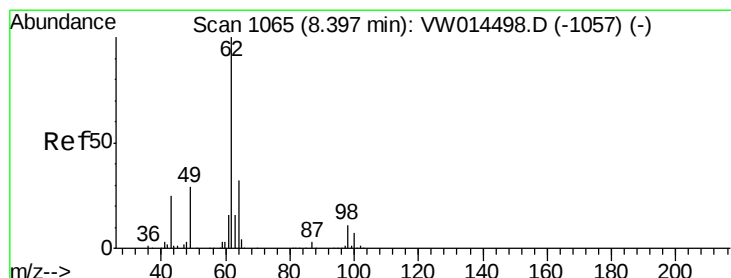
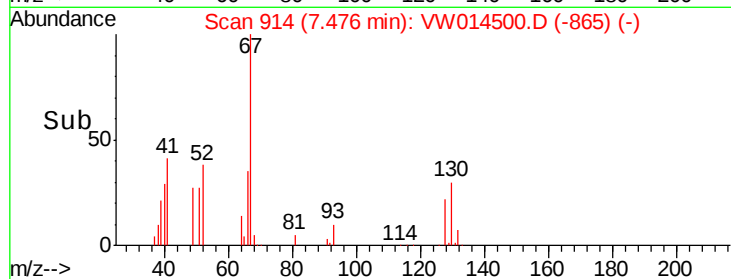
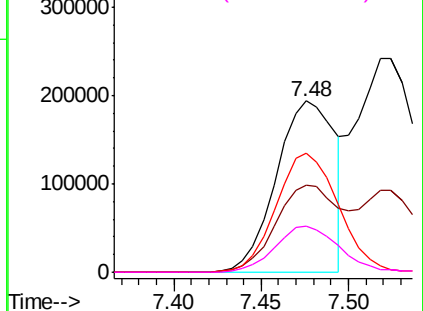
#41
Methacrylonitrile
Concen: 141.979 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	453074
Ion	Ratio	Lower	Upper
41	100		
39	56.2	46.0	69.0
67	74.1	60.8	91.2
52	29.1	23.7	35.5

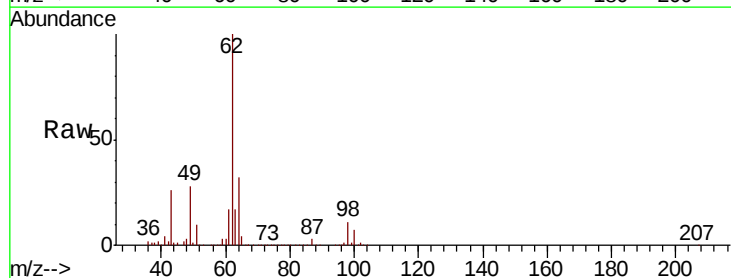


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

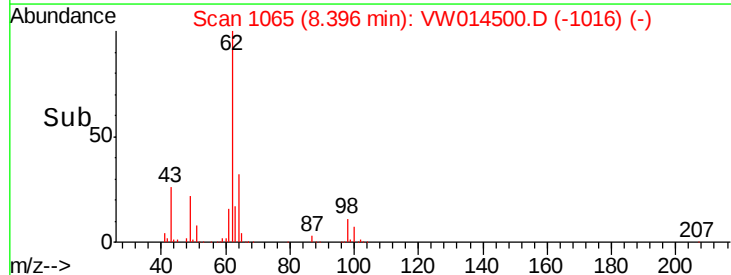
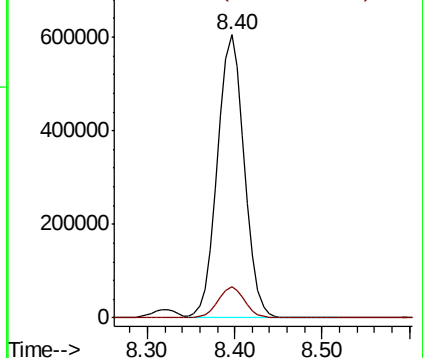


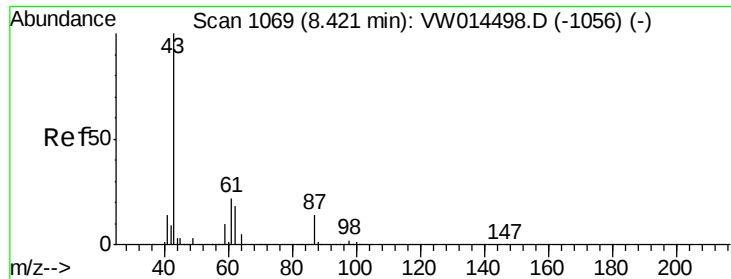
#42
1,2-Dichloroethane
Concen: 141.714 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:	62	Resp:	1286024
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.0



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





#43

Isopropyl Acetate

Concen: 152.205 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

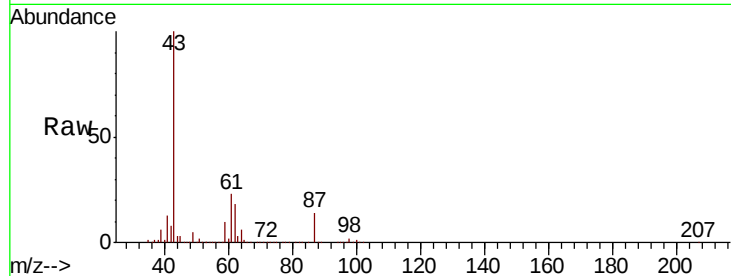
Tot Ion: 43 Resp: 1491506

Ion Ratio Lower Upper

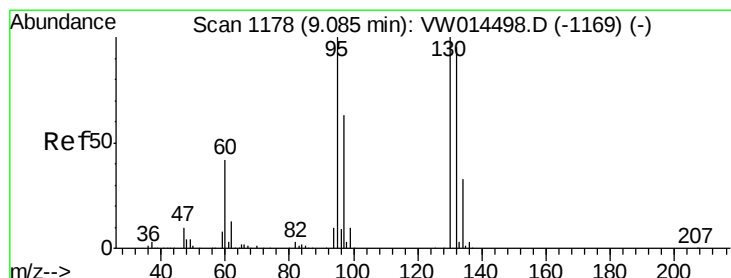
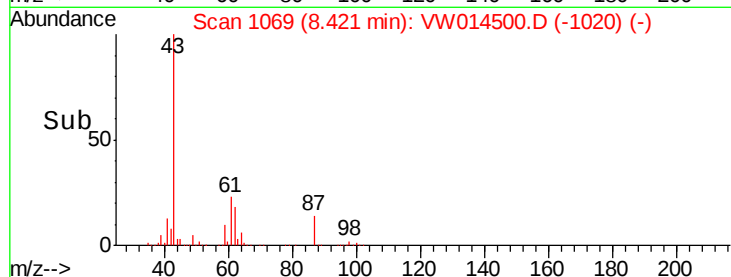
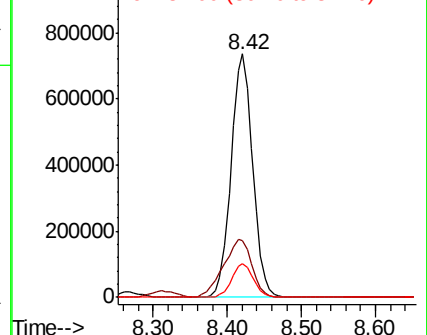
43 100

61 31.0 24.7 37.1

87 14.0 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW
1000000
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 138.434 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014500.D

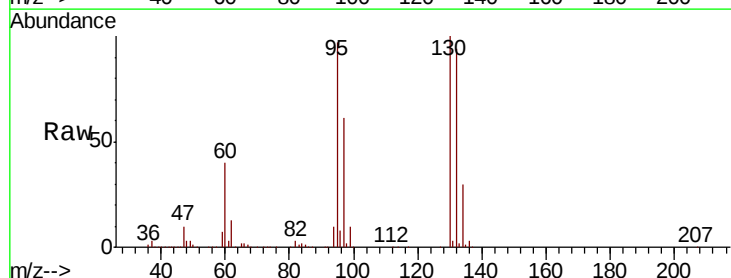
Acq: 03 Jan 2020 15:40

Tgt Ion:130 Resp: 1386031

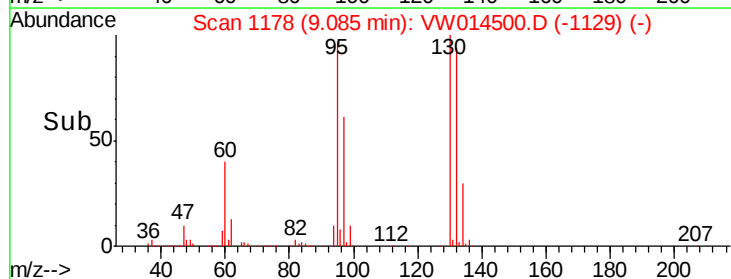
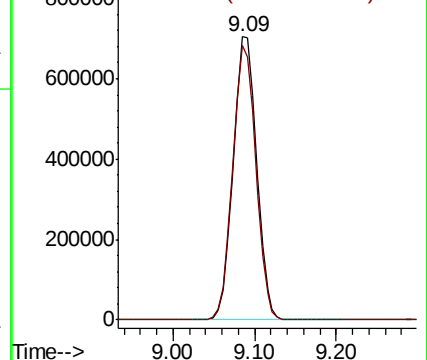
Ion Ratio Lower Upper

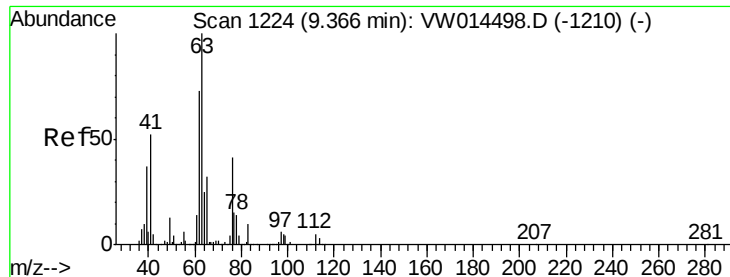
130 100

95 96.9 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
800000
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 144.333 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

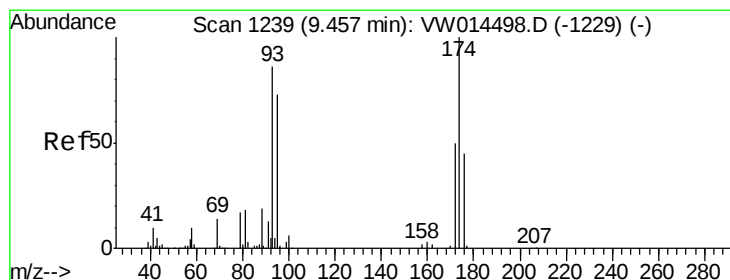
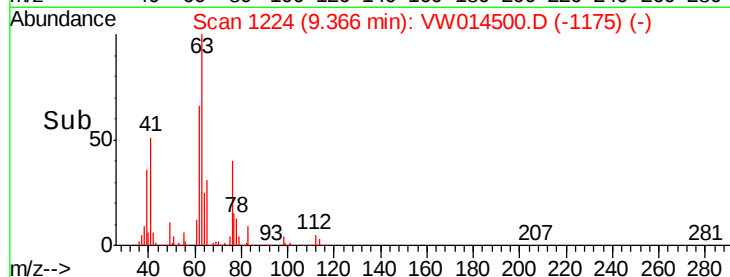
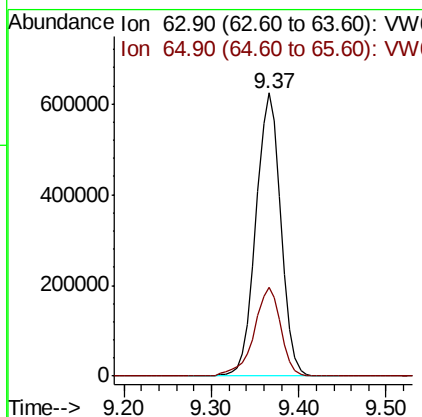
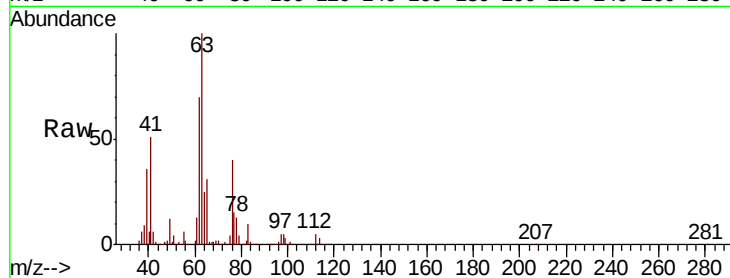
ClientSampleId :

Tot Ion: 63 Resp: 1235258

Ion Ratio Lower Upper

63 100

65 31.4 25.6 38.4



#46

Dibromomethane

Concen: 143.949 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

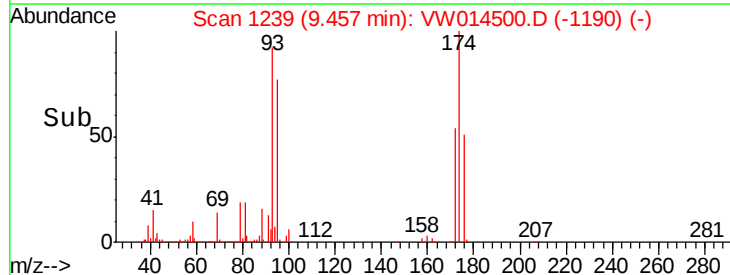
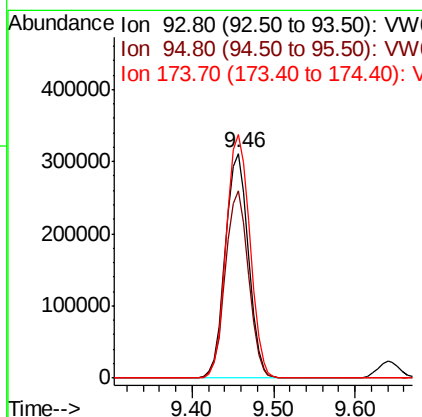
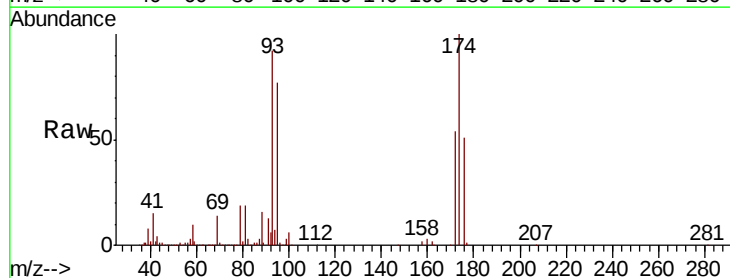
Tgt Ion: 93 Resp: 607333

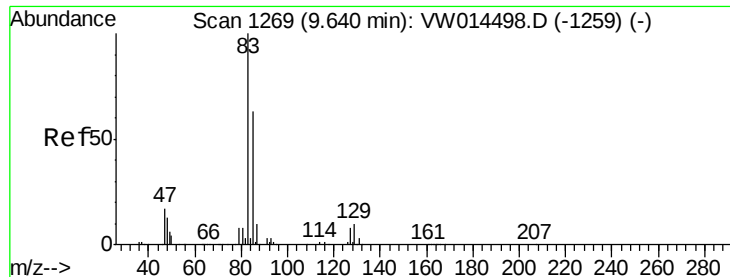
Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

174 110.8 89.1 133.7





#47

Bromodichloromethane

Concen: 146.135 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

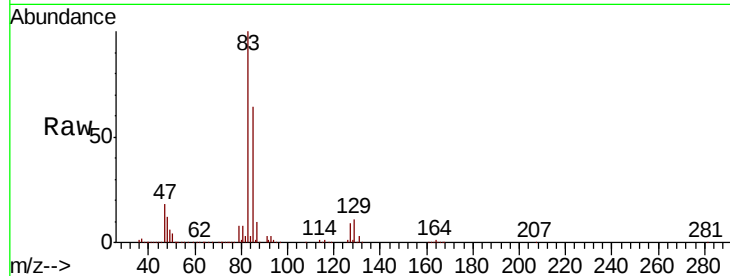
Tot Ion: 83 Resp: 1561314

Ion Ratio Lower Upper

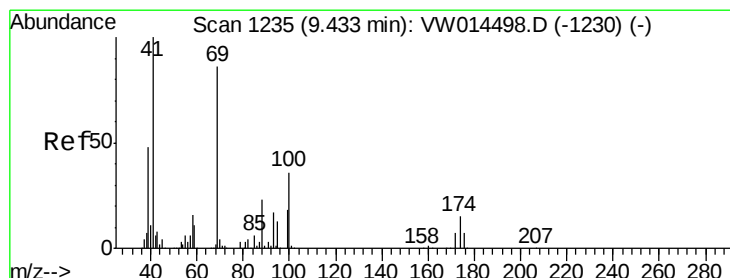
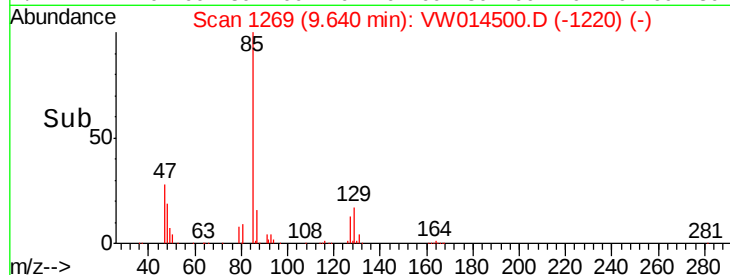
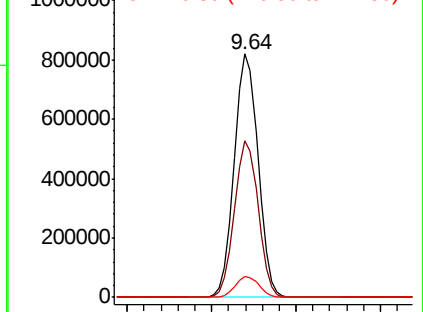
83 100

85 64.4 50.6 76.0

127 8.7 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): V



#48

Methyl methacrylate

Concen: 153.997 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

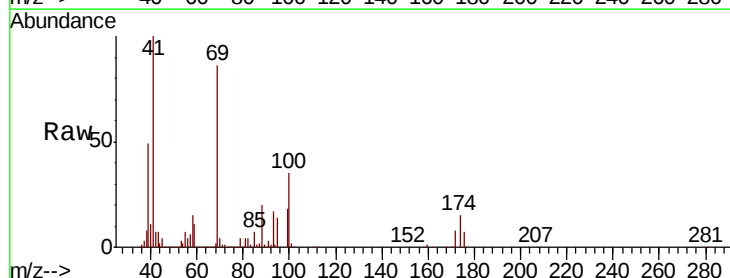
Tgt Ion: 41 Resp: 740576

Ion Ratio Lower Upper

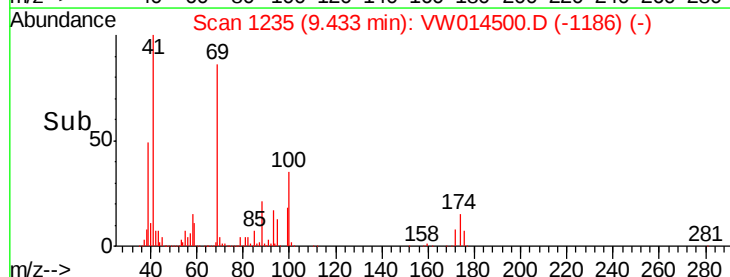
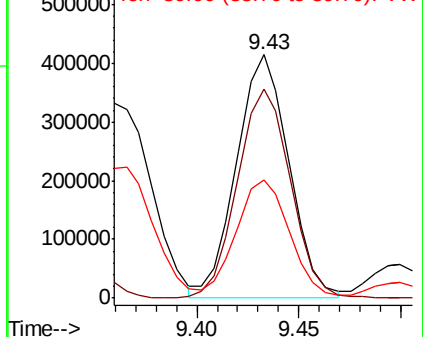
41 100

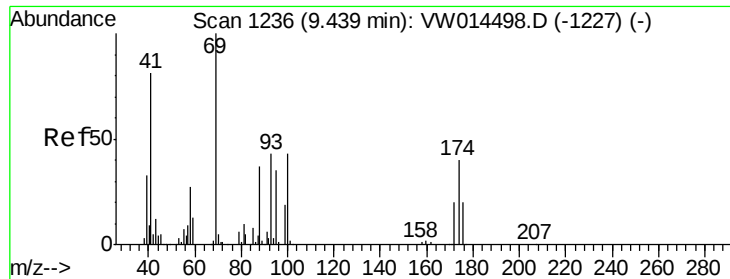
69 87.2 68.3 102.5

39 46.8 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: 3086.999 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

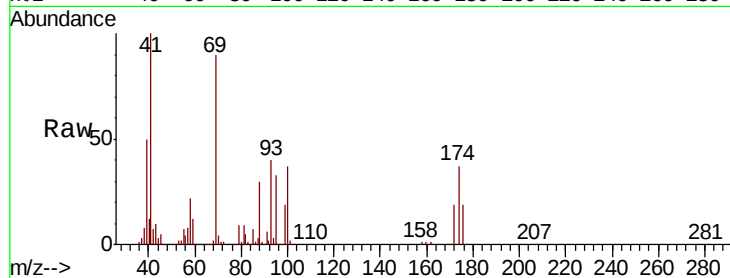
Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 217959

Ion	Ratio	Lower	Upper
88	100		
43	31.1	24.9	37.3
58	70.8	56.9	85.3



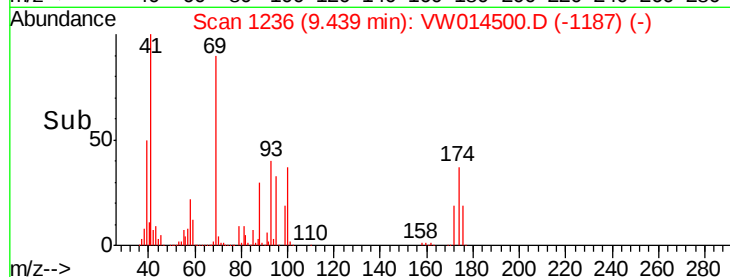
Abundance

Ion 88.00 (87.70 to 88.70): VW

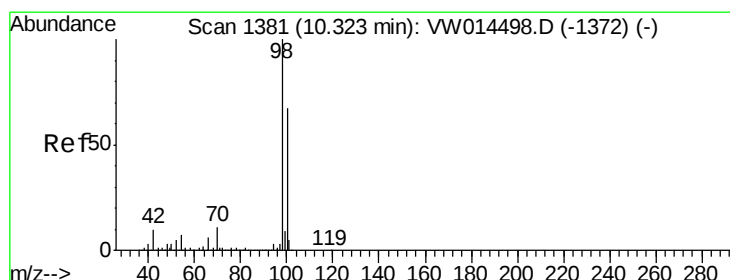
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Time-->



Time-->



#50

Toluene-d8

Concen: 145.763 ug/l

RT: 10.32 min Scan# 1381

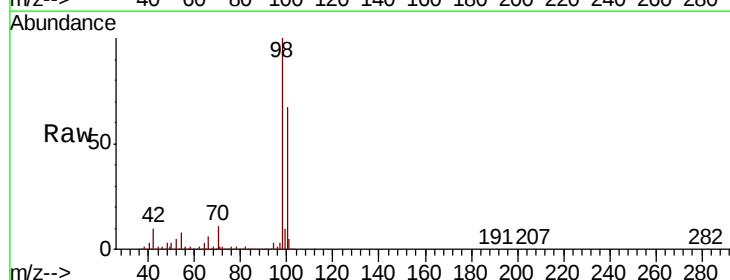
Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Tgt Ion: 98 Resp: 4410643

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.8	80.6

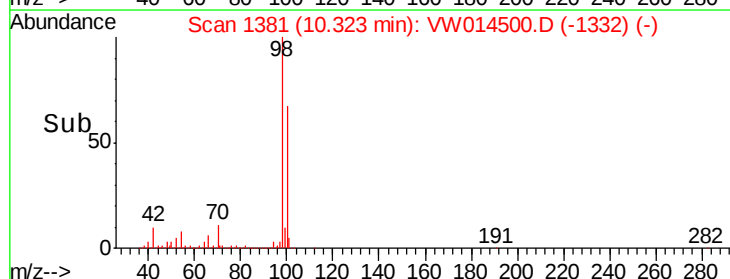


Abundance

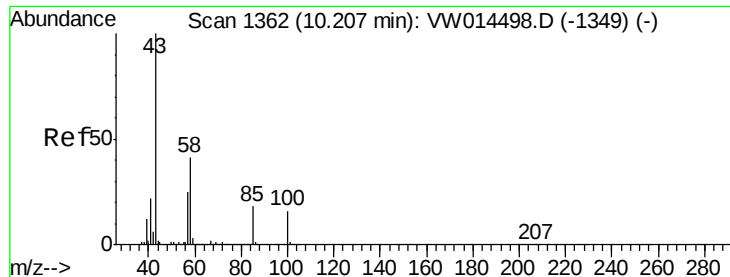
Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



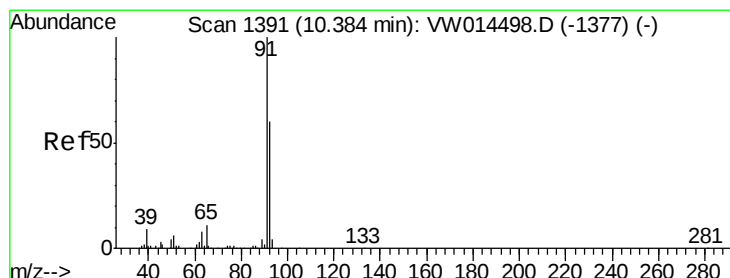
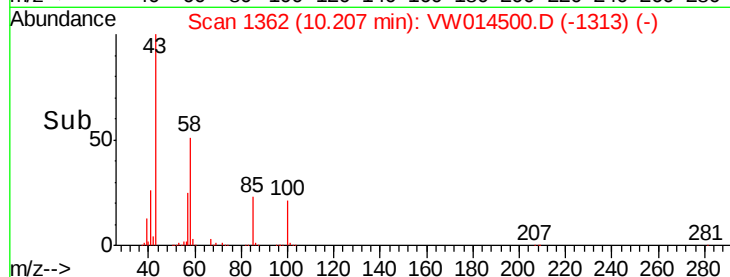
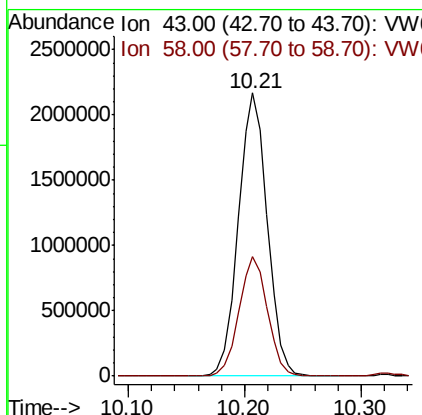
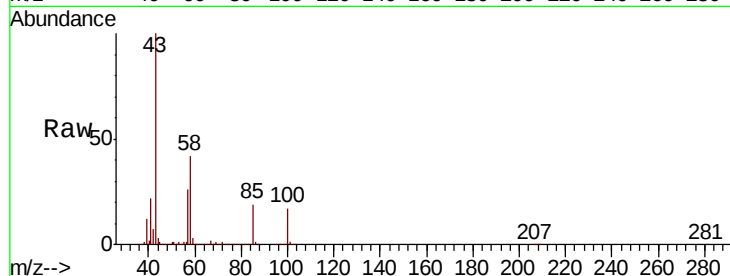
Time-->



#51
4-Methyl-2-Pentanone
Concen: 751.961 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

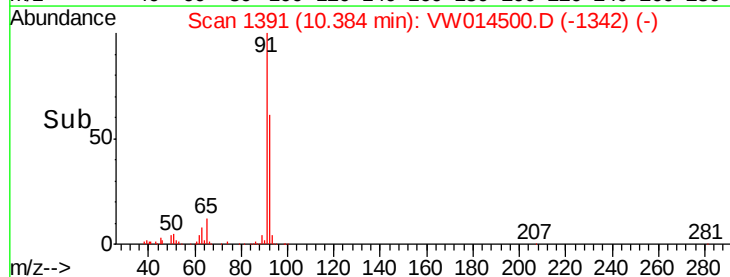
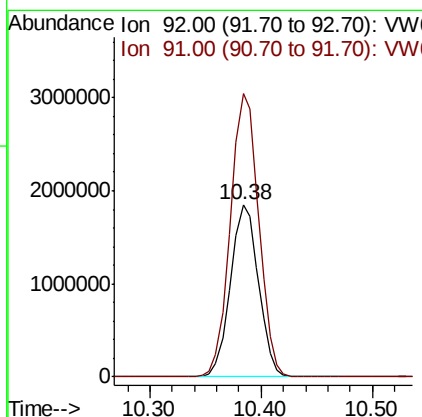
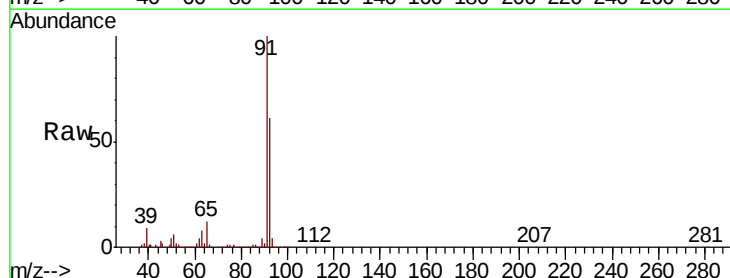
Instrument :
MSVOA_W
ClientSampled :

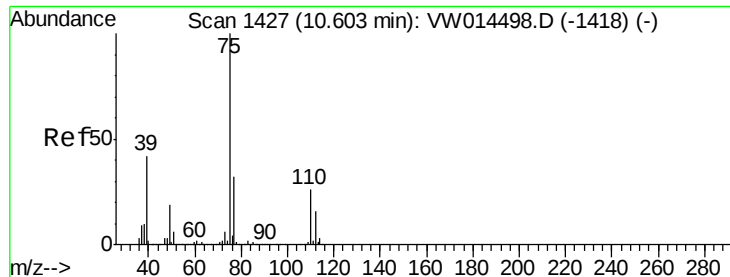
Tot Ion: 43 Resp: 3737117
Ion Ratio Lower Upper
43 100
58 41.5 32.7 49.1



#52
Toluene
Concen: 140.715 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 92 Resp: 3211684
Ion Ratio Lower Upper
92 100
91 166.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 151.815 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

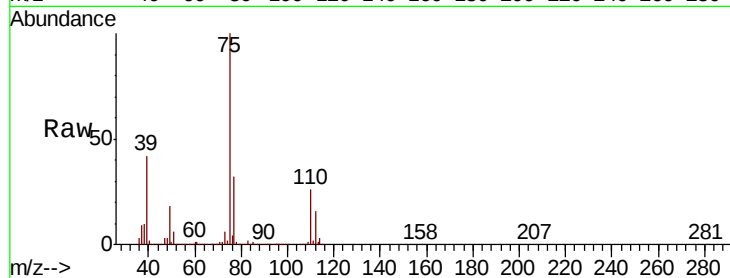
ClientSampled :

Tot Ion: 75 Resp: 1660390

Ion Ratio Lower Upper

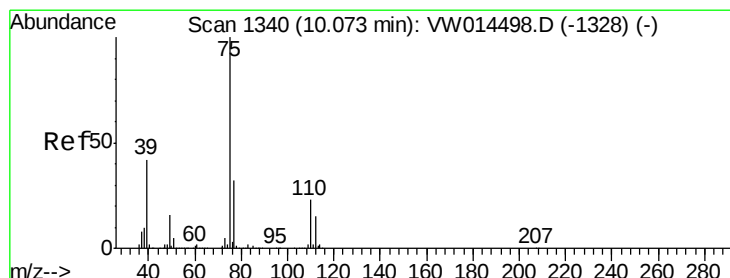
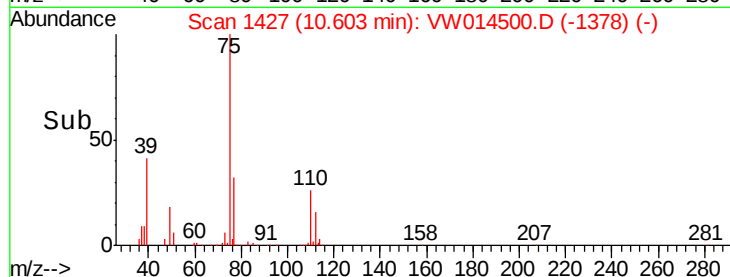
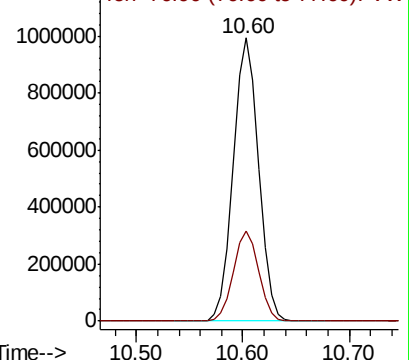
75 100

77 31.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 149.634 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

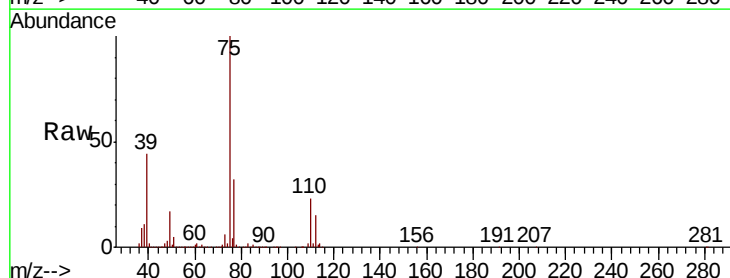
Tgt Ion: 75 Resp: 2007369

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

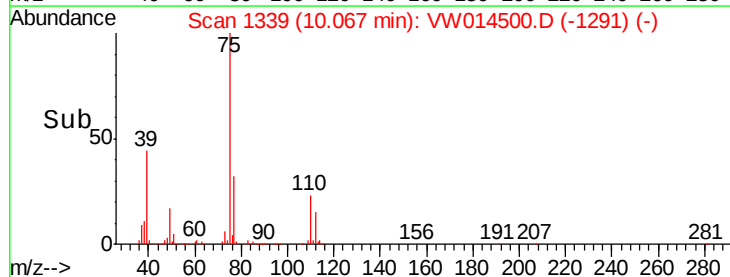
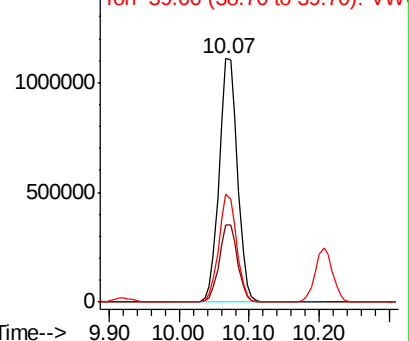
39 44.2 33.4 50.2

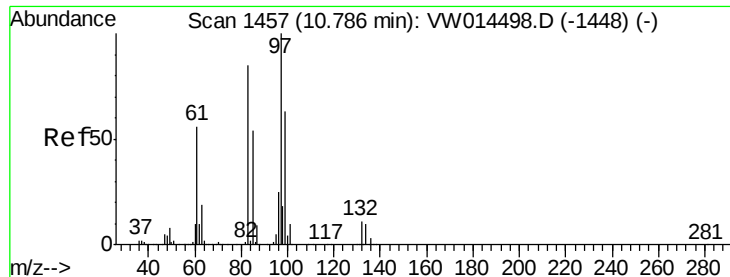


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

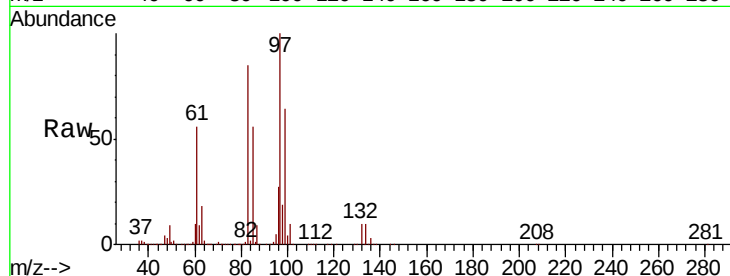




#55
 1,1,2-Trichloroethane
 Concen: 142.681 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	893062
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.4
85	55.5	43.0	64.4
99	63.9	50.1	75.1



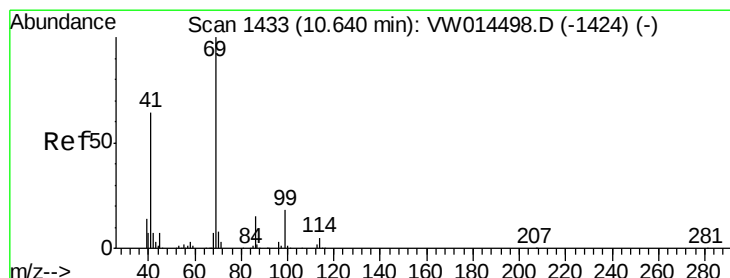
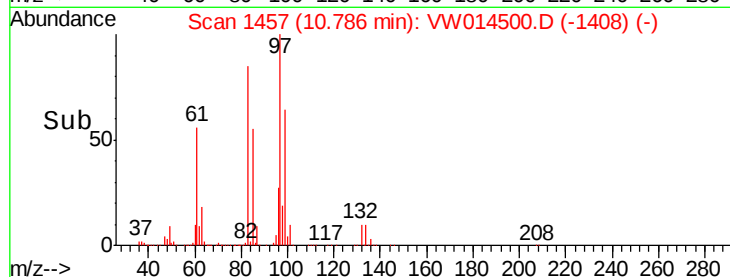
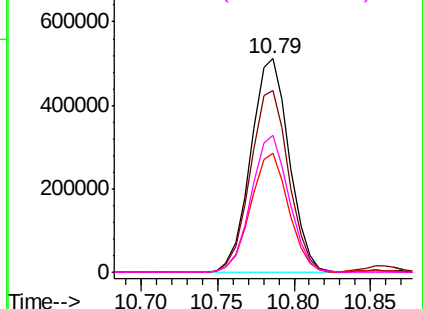
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

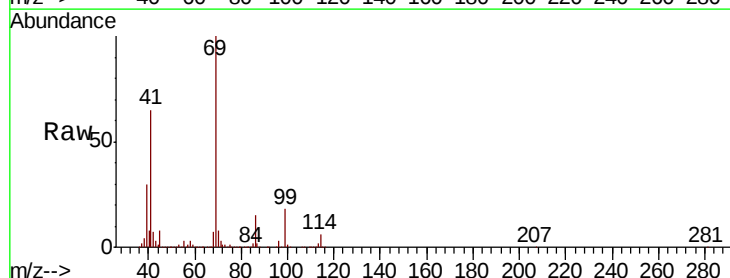
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 158.336 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion:	69	Resp:	1268138
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.3	76.9
39	26.3	21.0	31.6

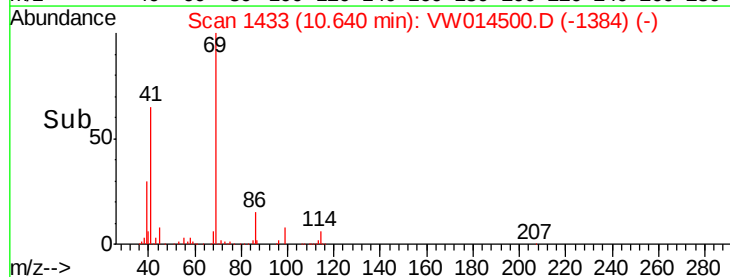
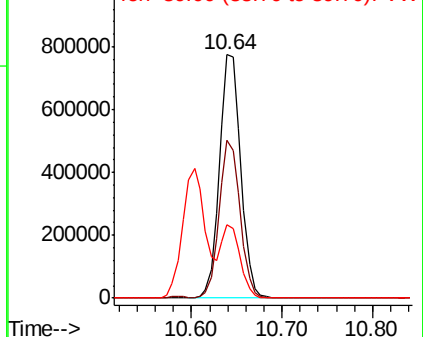


Abundance

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: 146.173 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

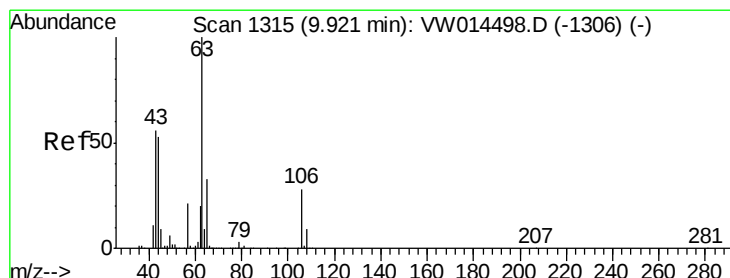
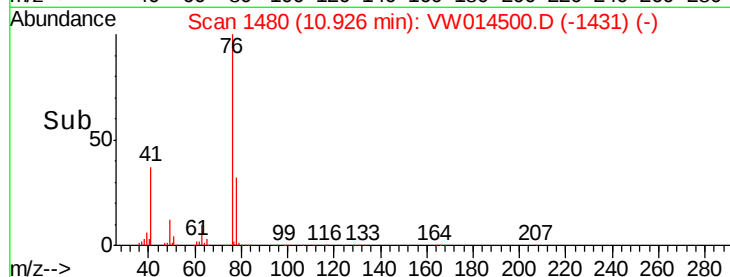
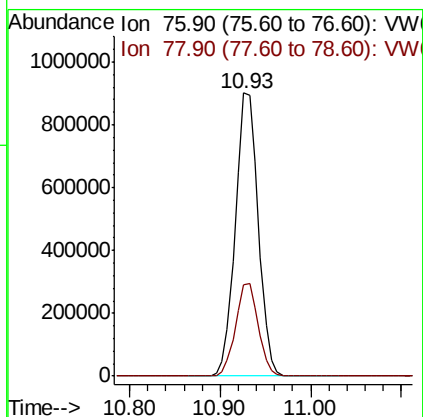
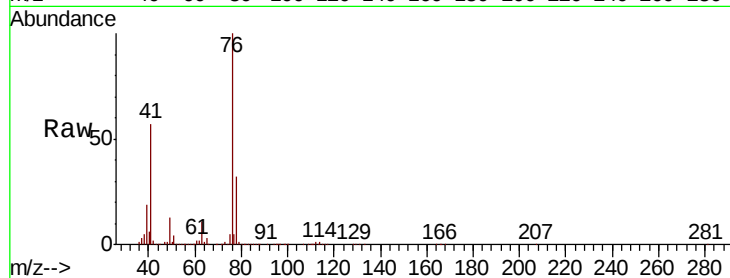
ClientSampled :

Tot Ion: 76 Resp: 1577684

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 586.342 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW014500.D

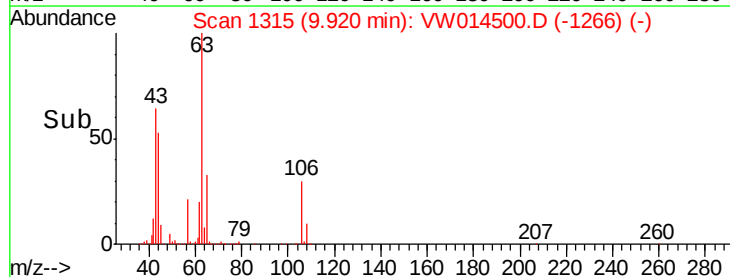
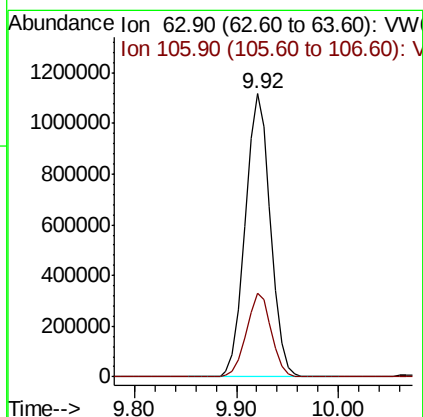
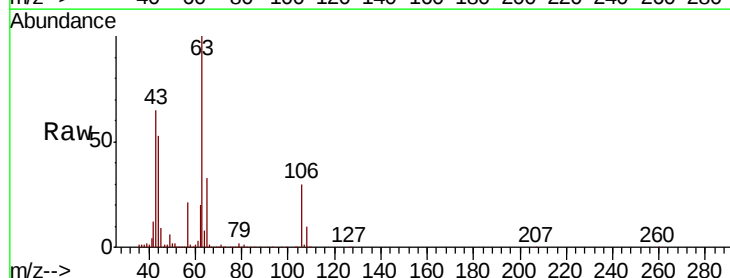
Acq: 03 Jan 2020 15:40

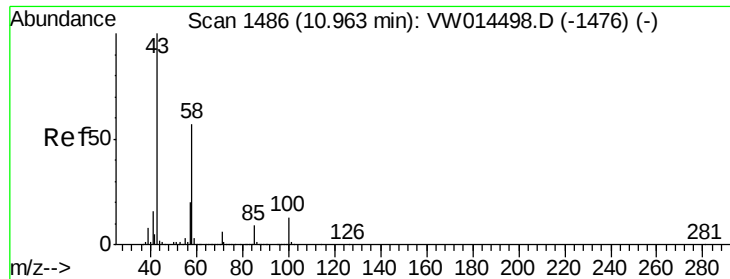
Tgt Ion: 63 Resp: 1912686

Ion Ratio Lower Upper

63 100

106 29.2 23.0 34.6

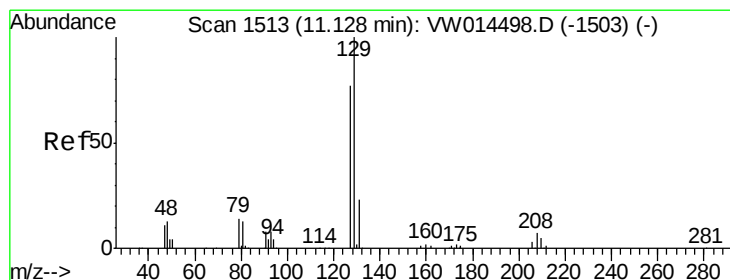
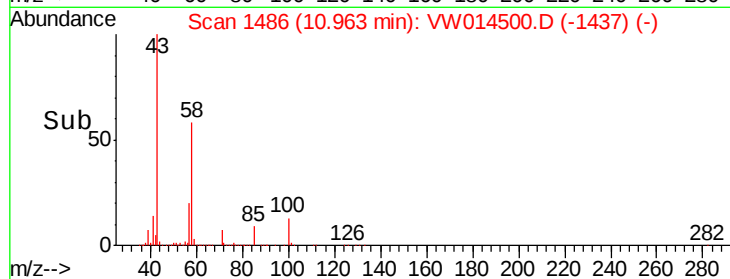
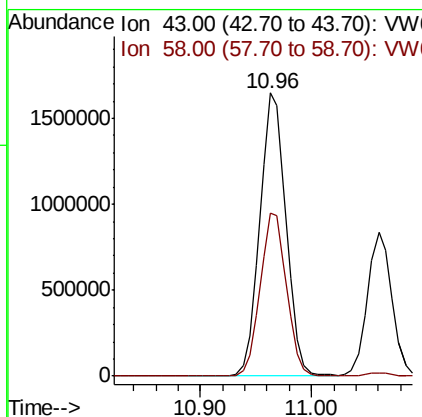
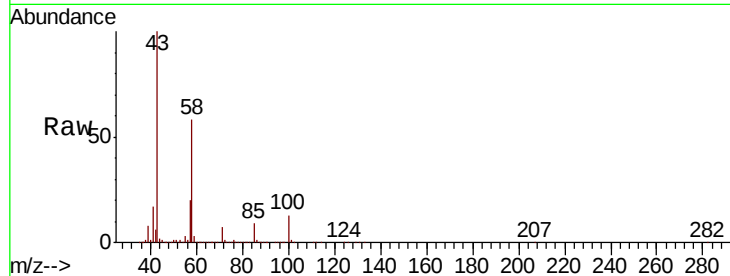




#59
2-Hexanone
Concen: 792.446 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

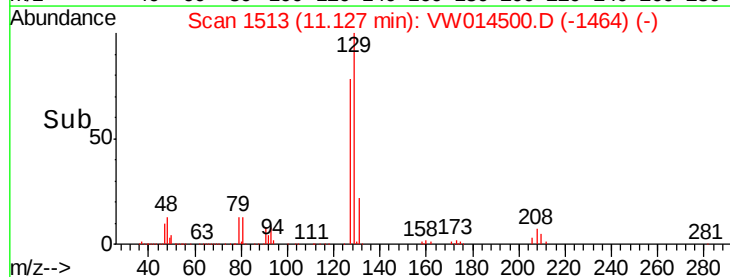
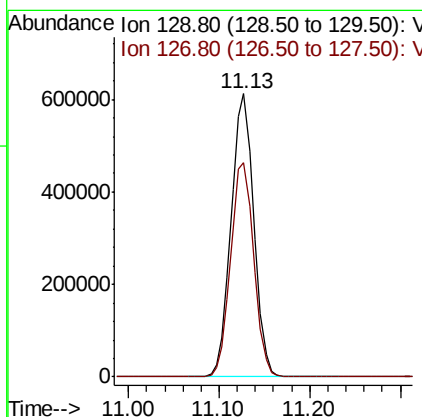
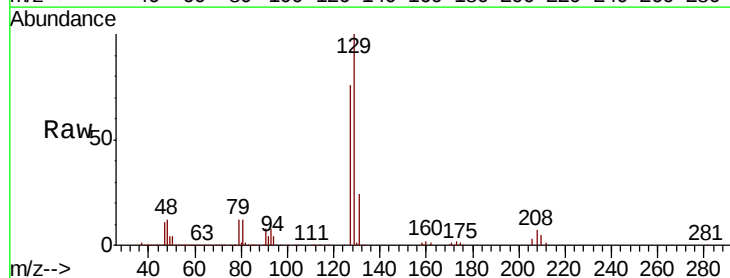
Instrument :
MSVOA_W
ClientSampleId :

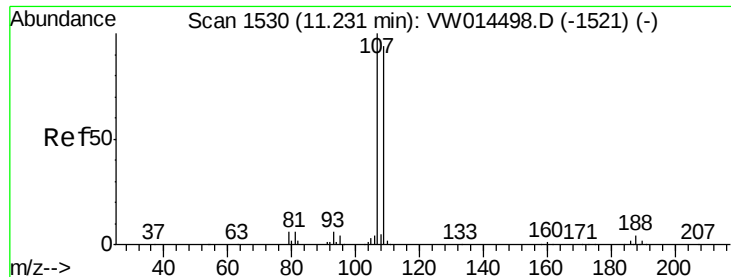
Tot Ion: 43 Resp: 2711254
Ion Ratio Lower Upper
43 100
58 57.9 28.7 86.3



#60
Dibromochloromethane
Concen: 145.688 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 129 Resp: 1060465
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5

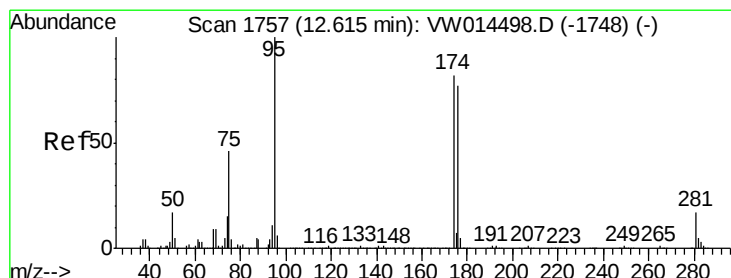
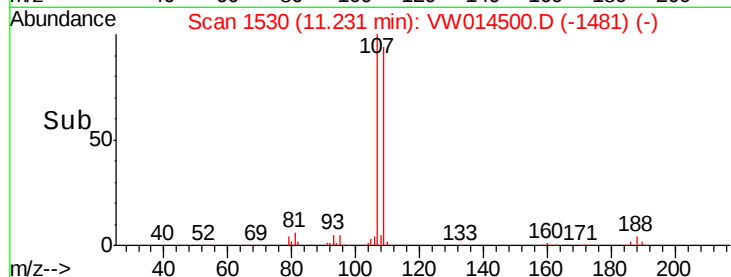
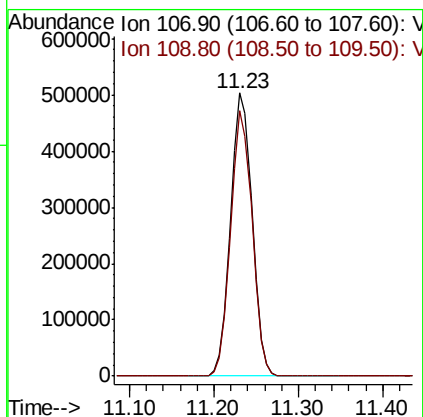
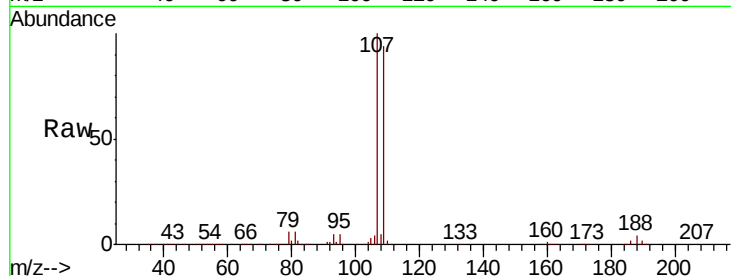




#61
 1,2-Dibromoethane
 Concen: 145.703 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

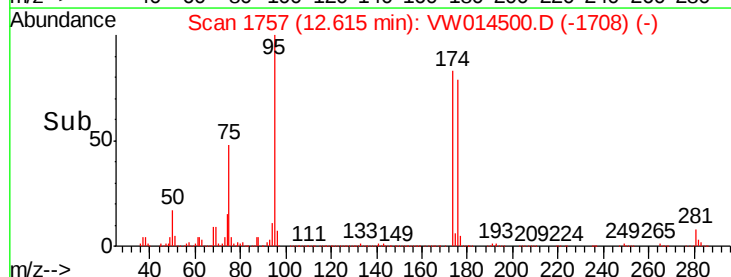
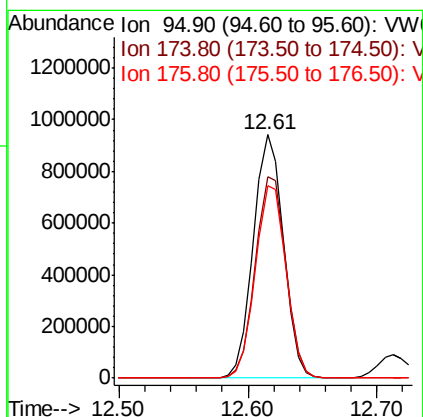
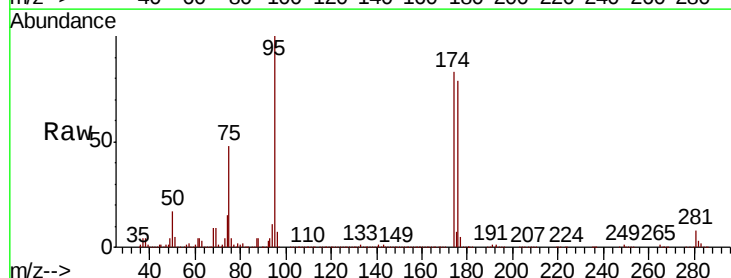
Instrument :
 MSVOA_W
 ClientSampled :

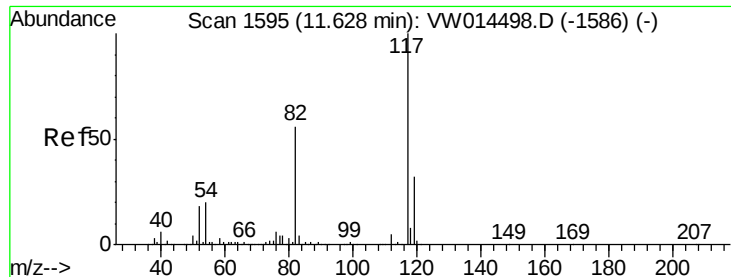
Tot Ion: 107 Resp: 864443
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 146.723 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion: 95 Resp: 1514585
 Ion Ratio Lower Upper
 95 100
 174 84.5 0.0 168.6
 176 81.0 0.0 162.0

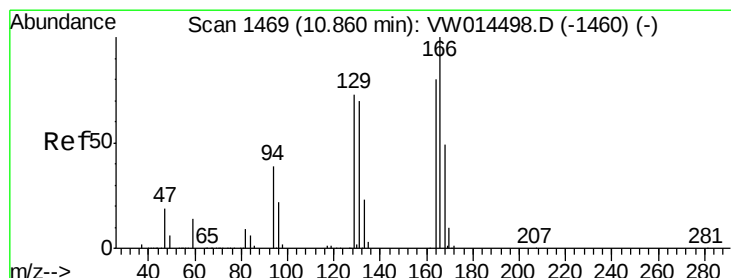
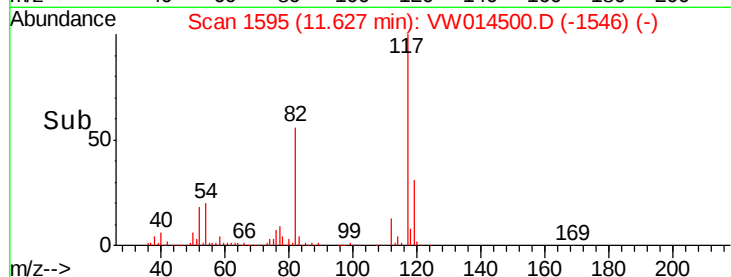
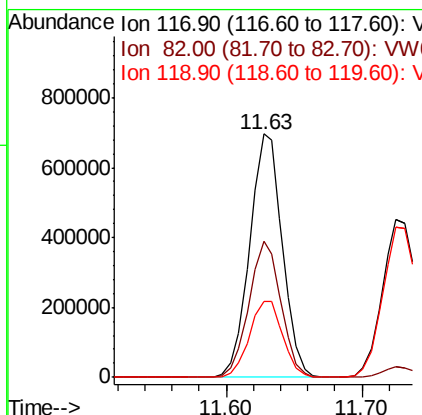
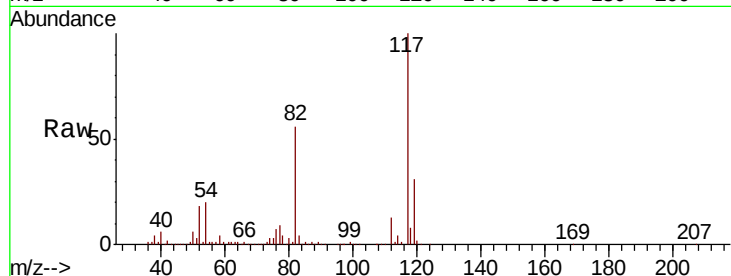




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

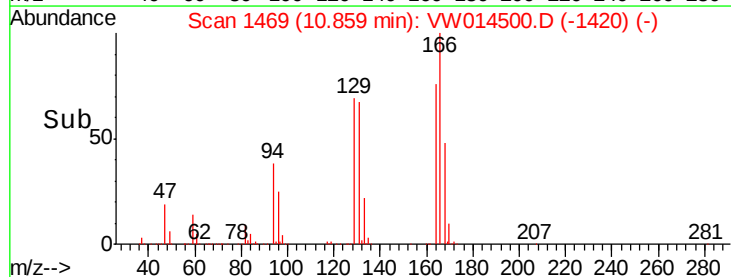
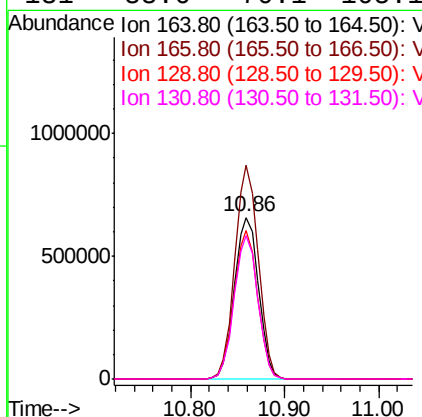
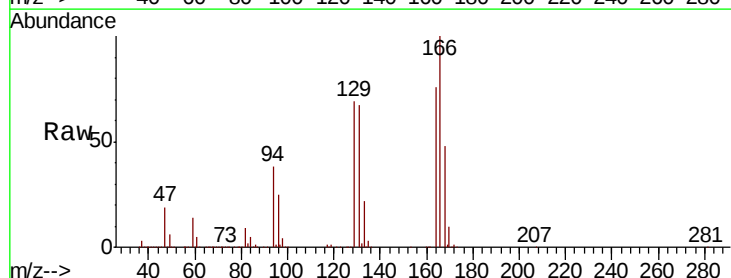
Instrument :
MSVOA_W
ClientSampled :

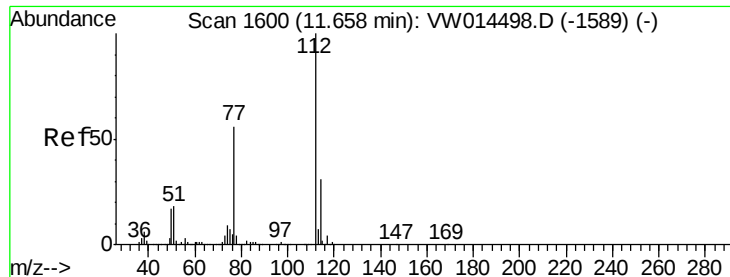
Tot Ion:117 Resp: 1172351
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 31.4 25.7 38.5



#64
Tetrachloroethene
Concen: 133.957 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:164 Resp: 1174954
Ion Ratio Lower Upper
164 100
166 132.2 99.8 149.6
129 91.6 72.4 108.6
131 88.6 70.1 105.1





#65

Chlorobenzene

Concen: 138.282 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

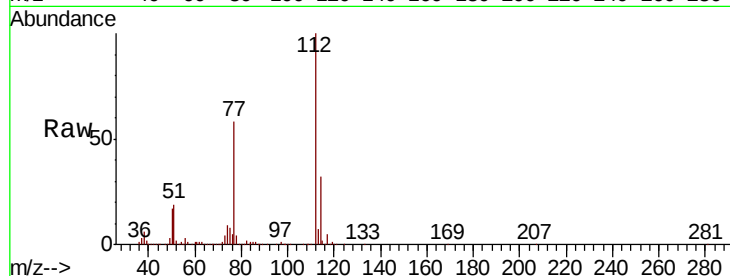
ClientSampleId :

Tot Ion:112 Resp: 3324468

Ion Ratio Lower Upper

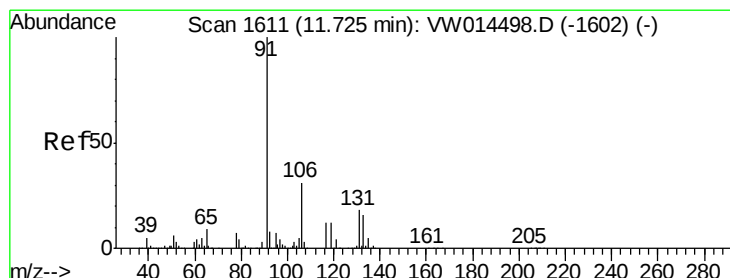
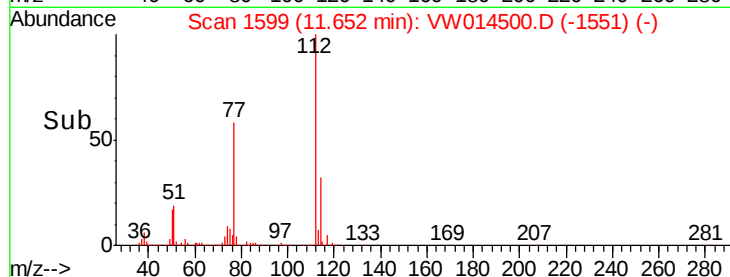
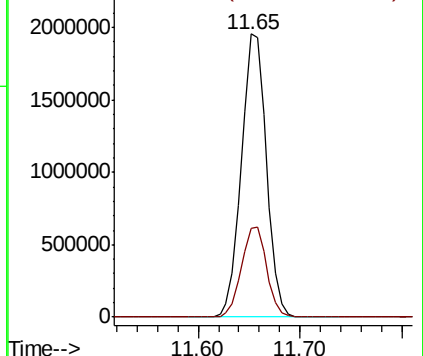
112 100

114 31.5 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 138.994 ug/l

RT: 11.72 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

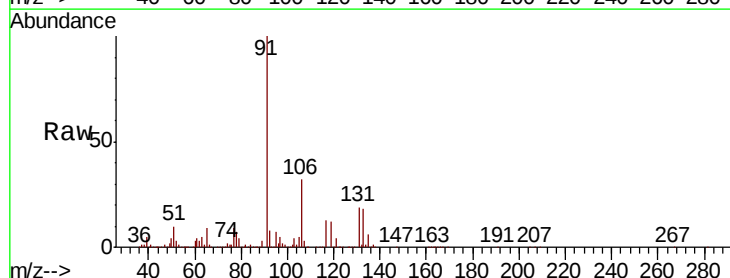
Tgt Ion:131 Resp: 1150274

Ion Ratio Lower Upper

131 100

133 95.1 47.3 142.0

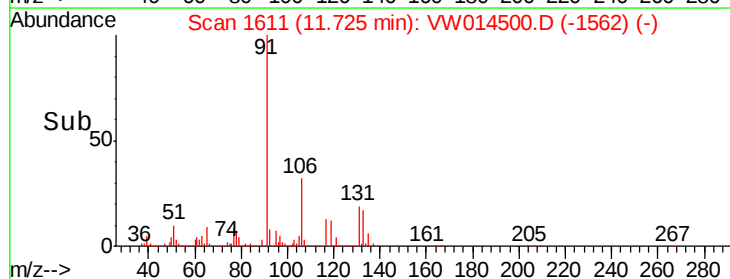
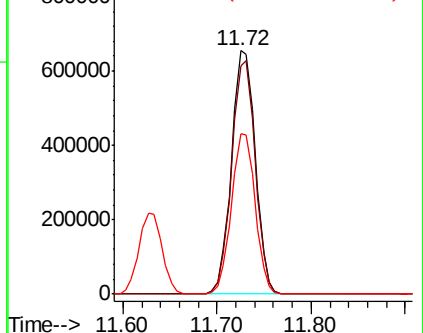
119 65.8 33.1 99.3

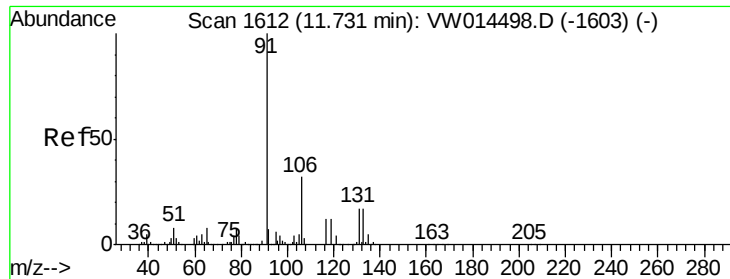


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

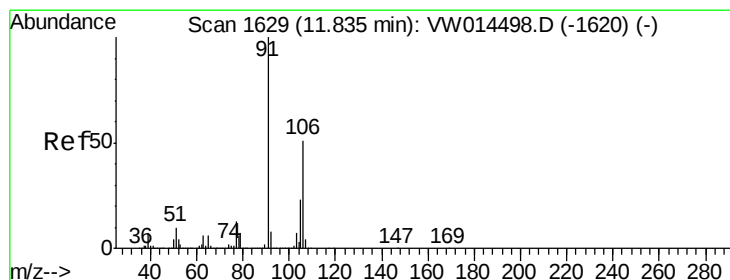
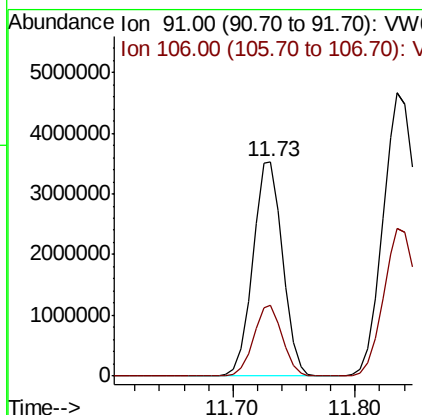
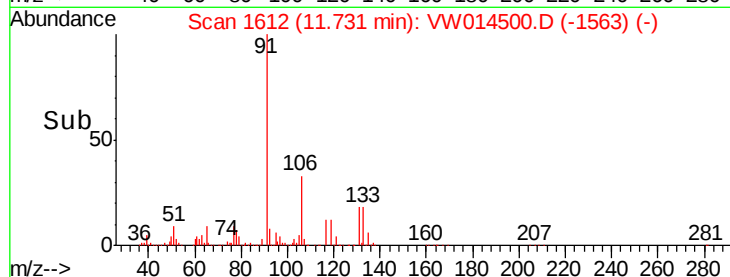
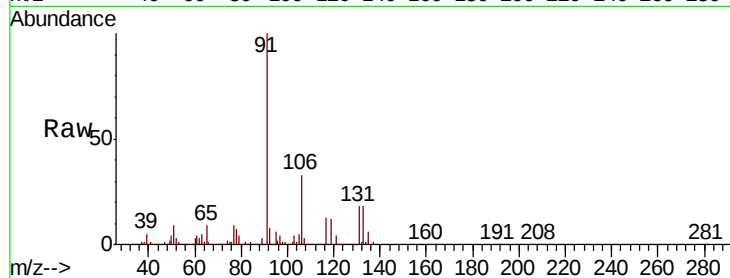




#67
Ethyl Benzene
Concen: 137.578 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

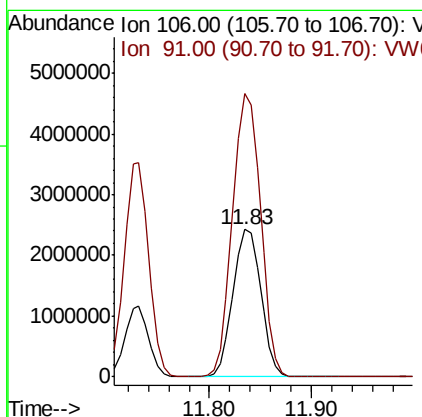
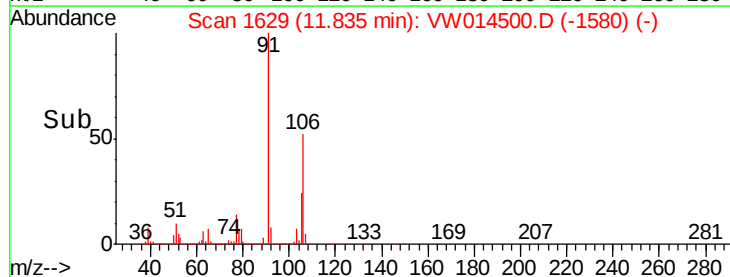
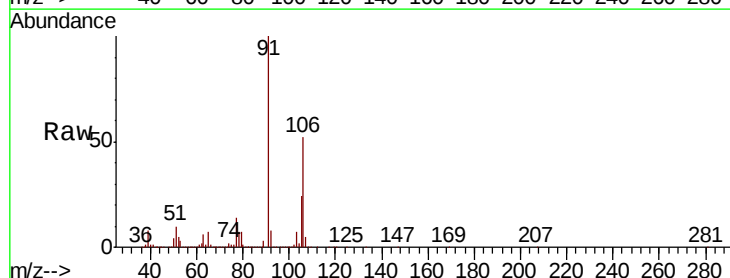
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 91 Resp: 5963315
Ion Ratio Lower Upper
91 100
106 33.2 25.5 38.3



#68
m/p-Xylenes
Concen: 275.441 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:106 Resp: 4602291
Ion Ratio Lower Upper
106 100
91 193.6 159.0 238.6

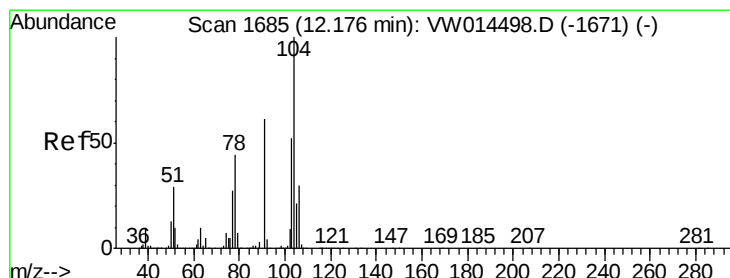
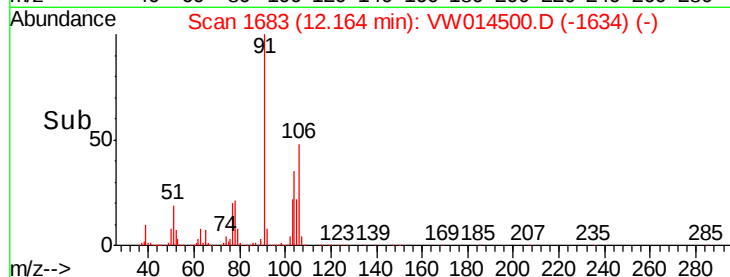
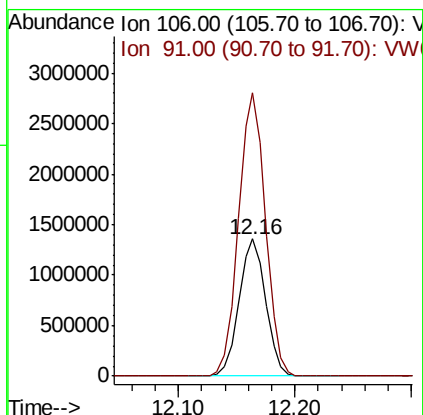
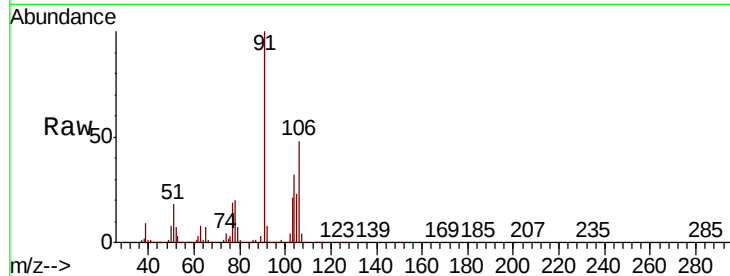




#69
o-Xylene
Concen: 141.213 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

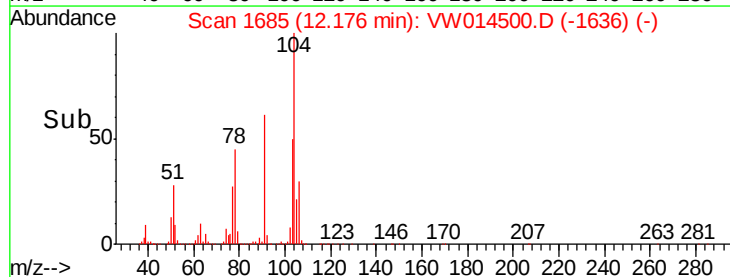
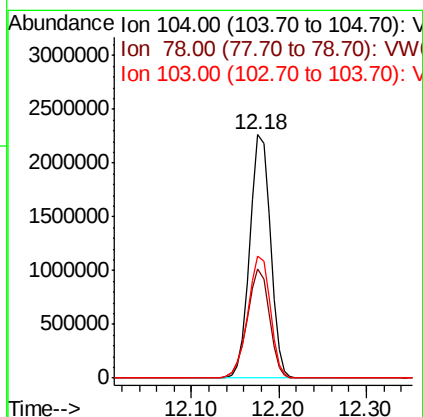
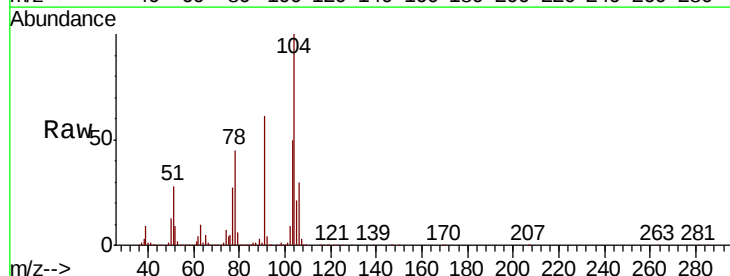
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 2167960
Ion Ratio Lower Upper
106 100
91 207.9 105.2 315.6



#70
Styrene
Concen: 141.139 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:104 Resp: 3704391
Ion Ratio Lower Upper
104 100
78 48.1 38.4 57.6
103 54.2 43.7 65.5





#71

Bromoform

Concen: 143.549 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

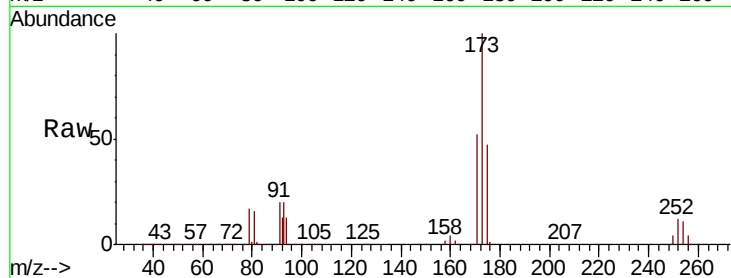
Tot Ion:173 Resp: 639708

Ion Ratio Lower Upper

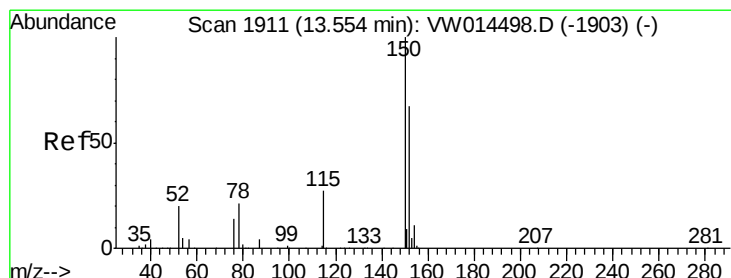
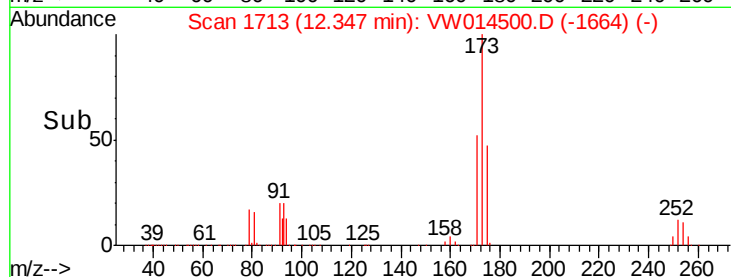
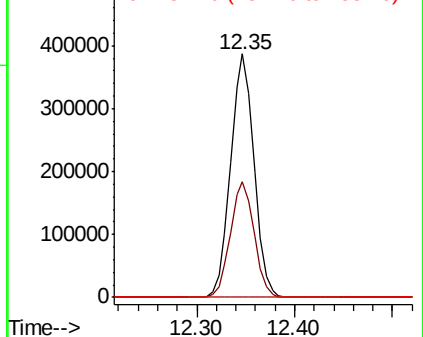
173 100

175 48.1 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: VW014500.D

Acq: 03 Jan 2020 15:40

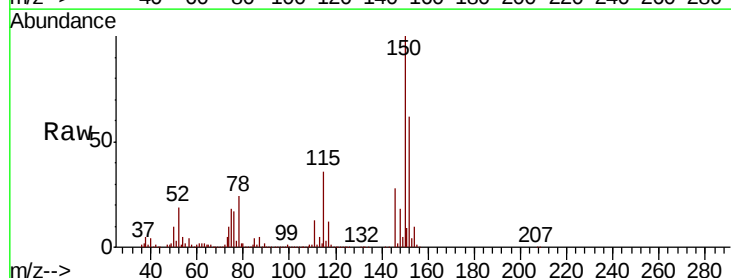
Tgt Ion:152 Resp: 561860

Ion Ratio Lower Upper

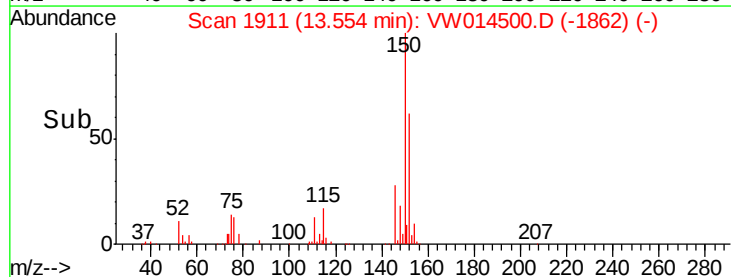
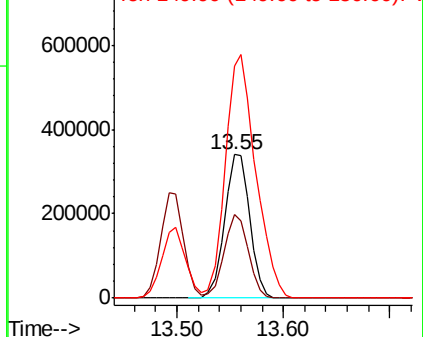
152 100

115 56.1 27.7 83.1

150 204.5 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: 145.481 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

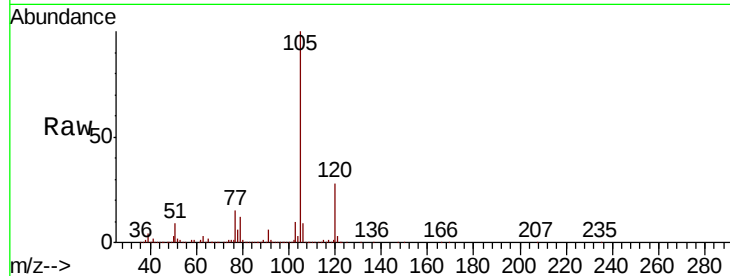
ClientSampled :

Tot Ion:105 Resp: 5904973

Ion Ratio Lower Upper

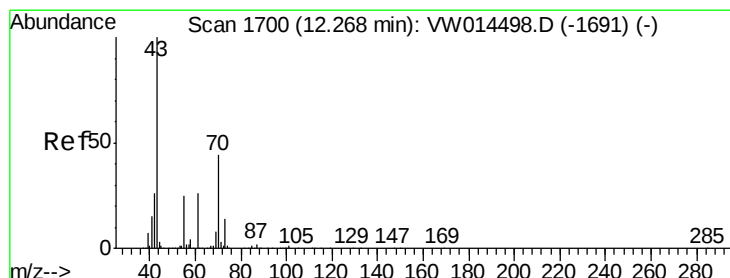
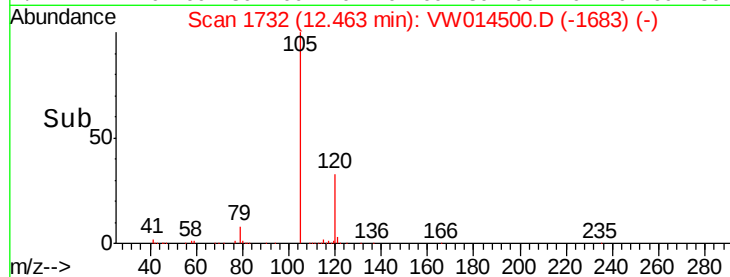
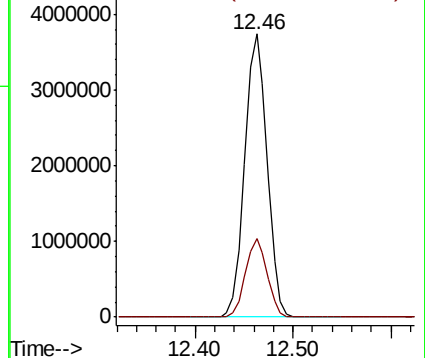
105 100

120 27.0 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: 161.257 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Tgt Ion: 43 Resp: 1364504

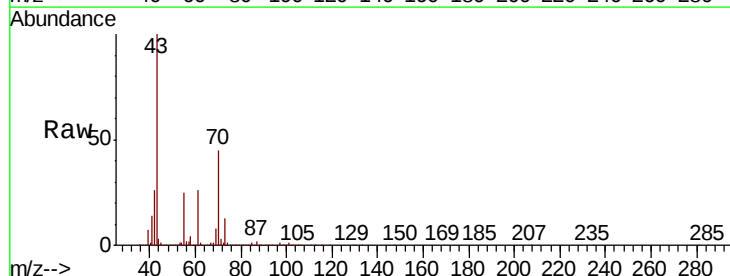
Ion Ratio Lower Upper

43 100

70 46.2 36.5 54.7

55 25.0 20.9 31.3

61 26.2 20.7 31.1

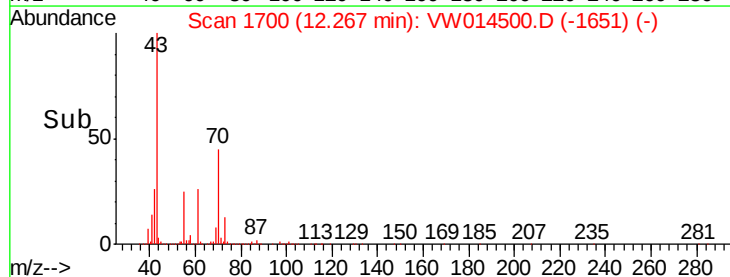
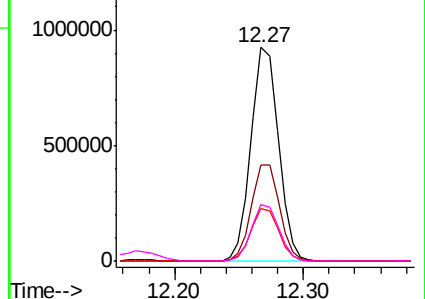


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 148.745 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

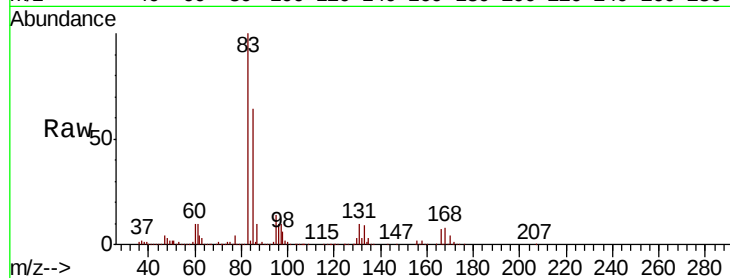
Tot Ion: 83 Resp: 1013488

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.1	15.4
85	64.5	31.9	95.7

83 100

131 10.6 5.1 15.4

85 64.5 31.9 95.7



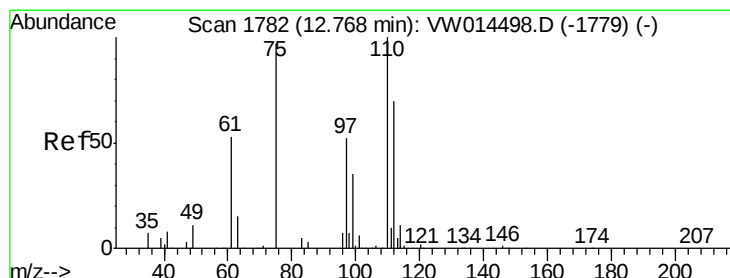
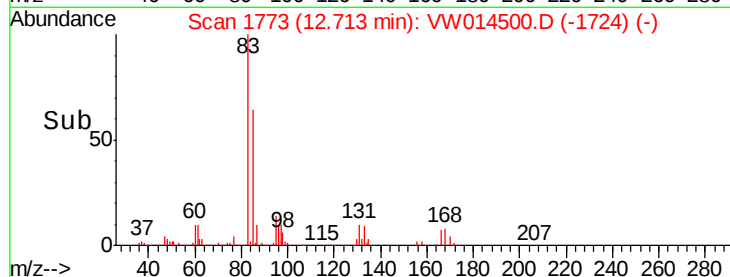
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

12.71

Time-->



#76

1,2,3-Trichloropropane

Concen: 282.810 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014500.D

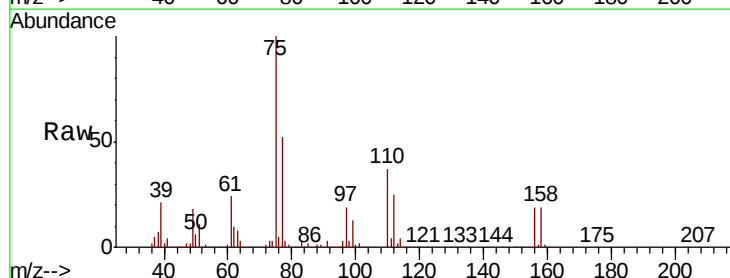
Acq: 03 Jan 2020 15:40

Tgt Ion: 75 Resp: 1317160

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0

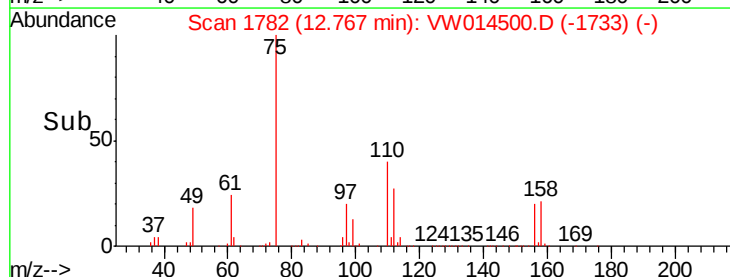


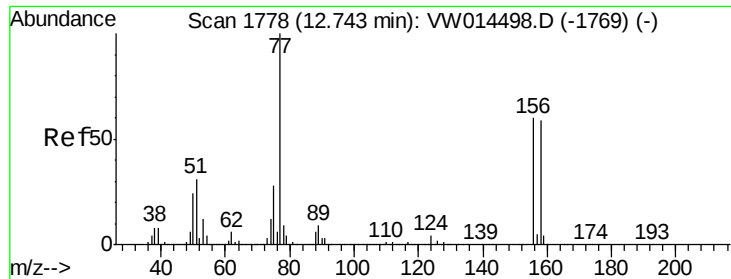
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

Time-->

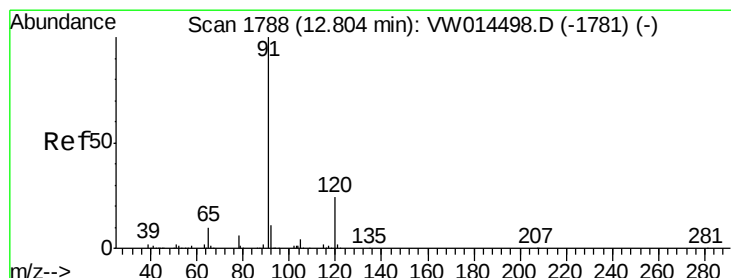
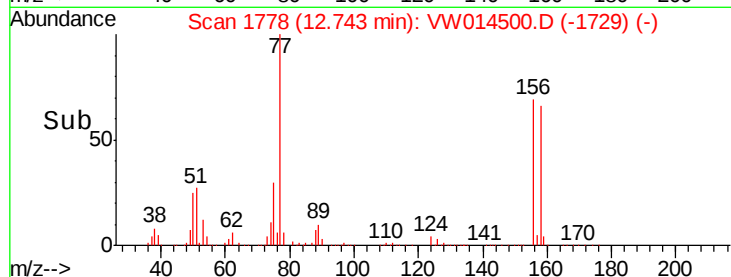
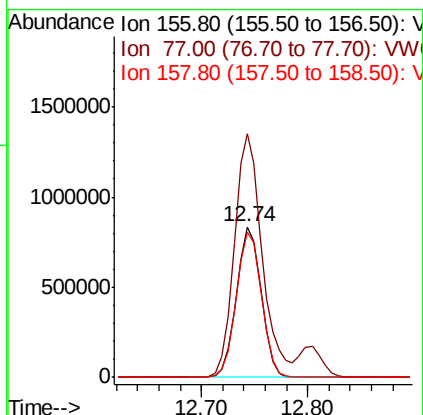
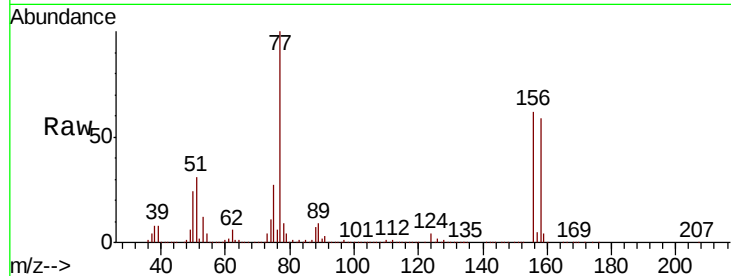




#77
Bromobenzene
Concen: 142.499 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

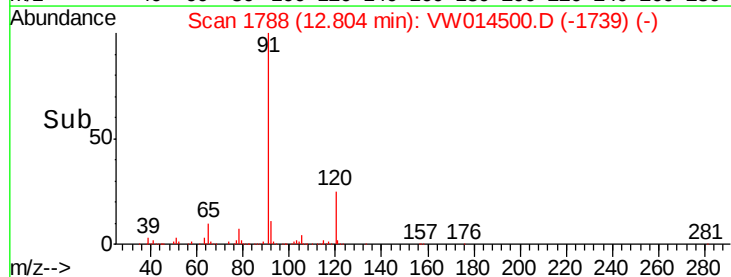
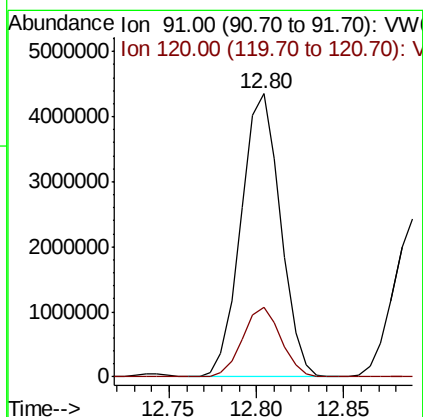
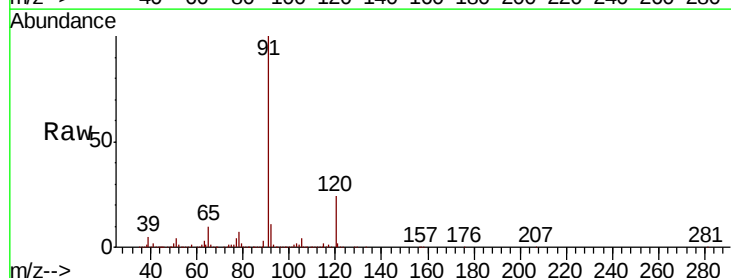
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:156 Resp: 1370668
Ion Ratio Lower Upper
156 100
77 180.4 92.3 277.1
158 97.8 48.6 145.9



#78
n-propylbenzene
Concen: 144.224 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion: 91 Resp: 6824144
Ion Ratio Lower Upper
91 100
120 23.9 11.7 35.1





#79

2-Chlorotoluene

Concen: 145.879 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

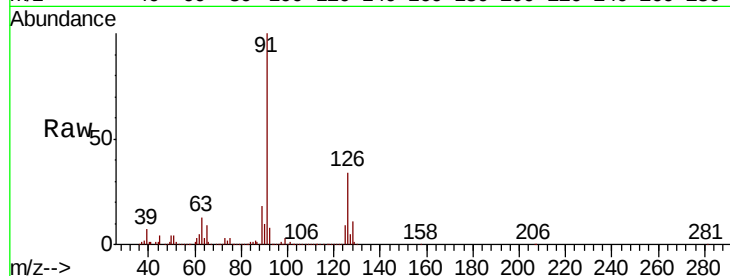
ClientSampleId :

Tot Ion: 91 Resp: 3876698

Ion Ratio Lower Upper

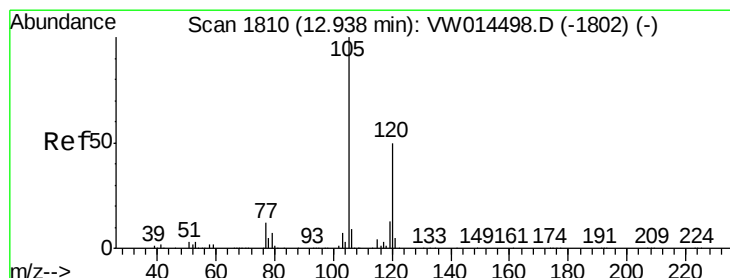
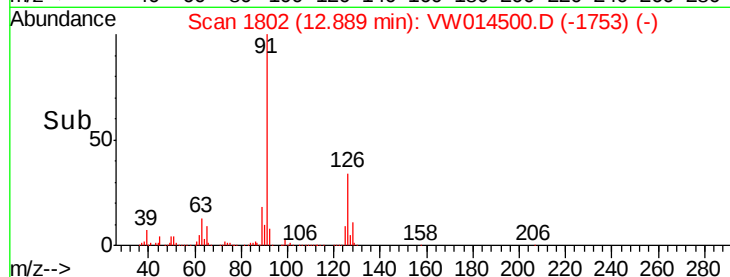
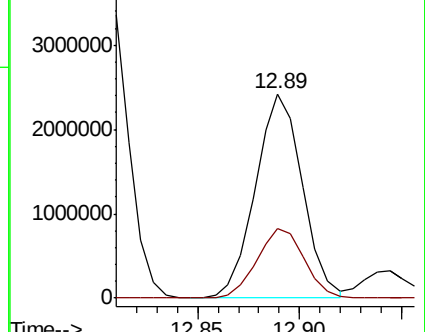
91 100

126 34.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW014498.D (-1795) (-)

Ion 125.90 (125.60 to 126.60): VW014498.D (-1795) (-)



#80

1,3,5-Trimethylbenzene

Concen: 142.181 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014500.D

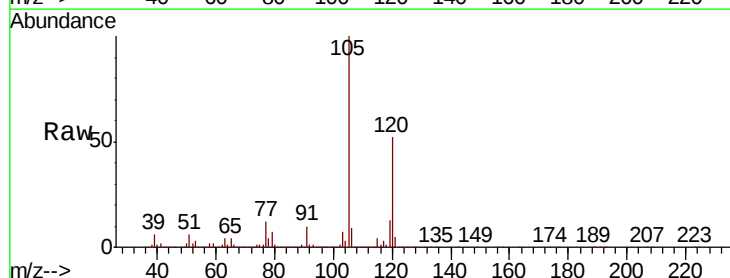
Acq: 03 Jan 2020 15:40

Tgt Ion:105 Resp: 4871516

Ion Ratio Lower Upper

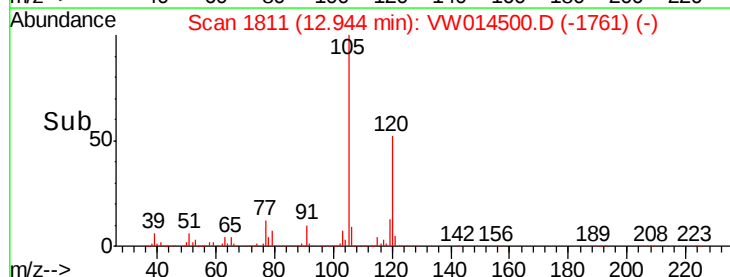
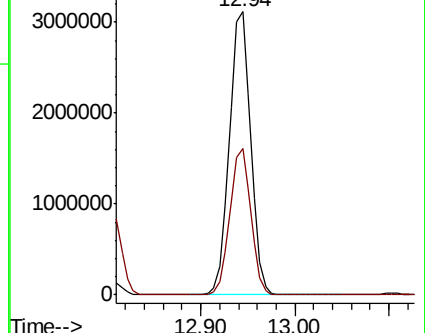
105 100

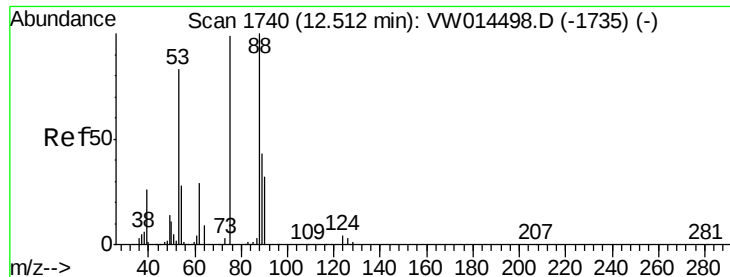
120 51.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VW014498.D (-1802) (-)

Ion 120.00 (119.70 to 120.70): VW014498.D (-1802) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 160.022 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

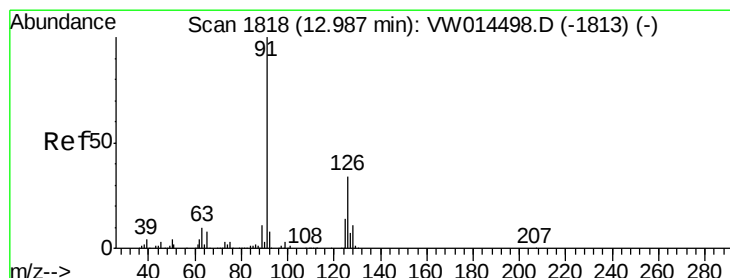
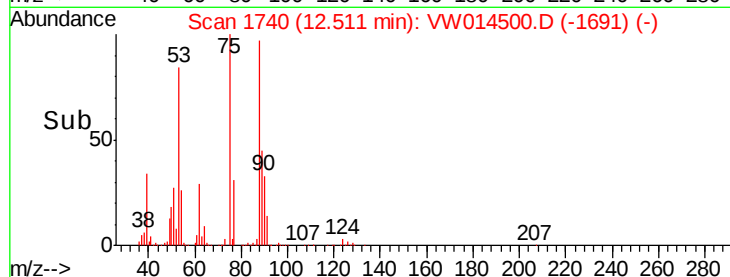
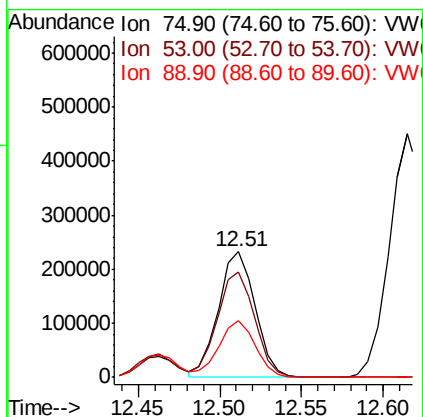
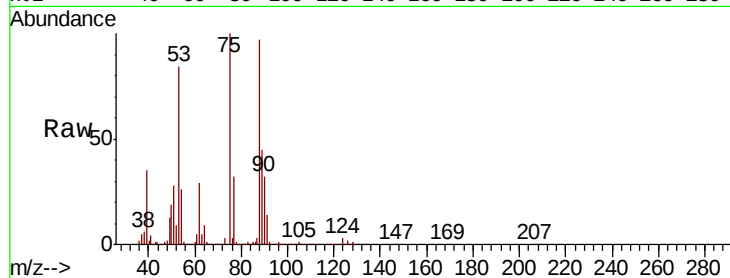
Tot Ion: 75 Resp: 363718

Ion Ratio Lower Upper

75 100

53 85.5 70.9 106.3

89 45.3 35.8 53.8



#82

4-Chlorotoluene

Concen: 144.504 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014500.D

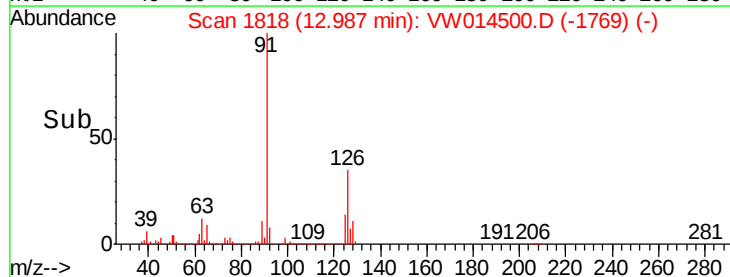
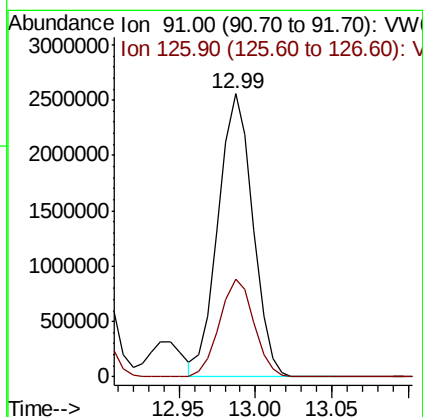
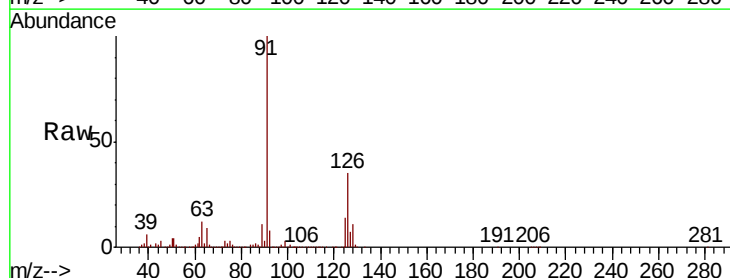
Acq: 03 Jan 2020 15:40

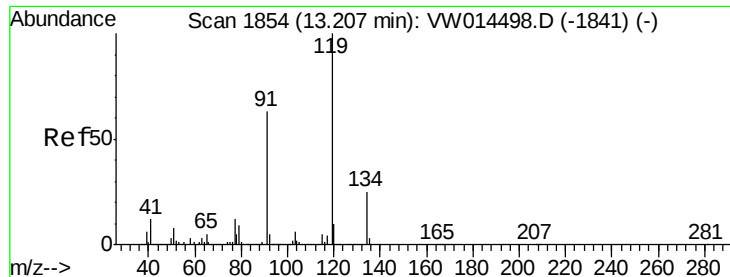
Tgt Ion: 91 Resp: 4019394

Ion Ratio Lower Upper

91 100

126 34.5 17.1 51.2

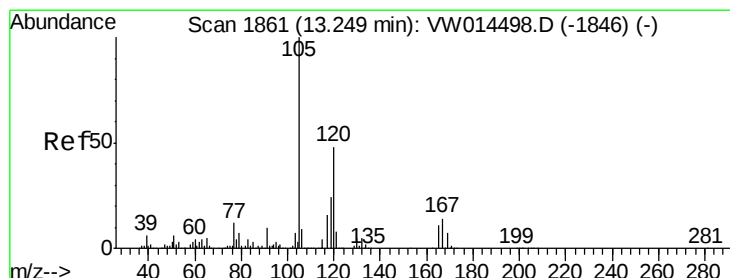
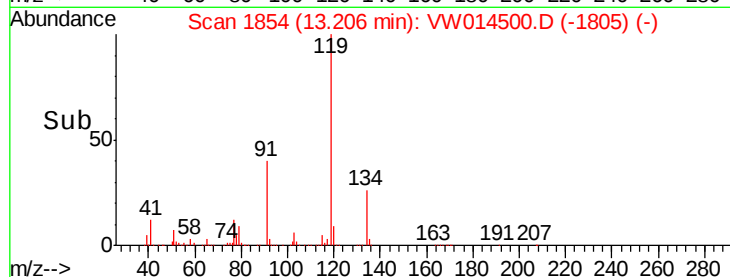
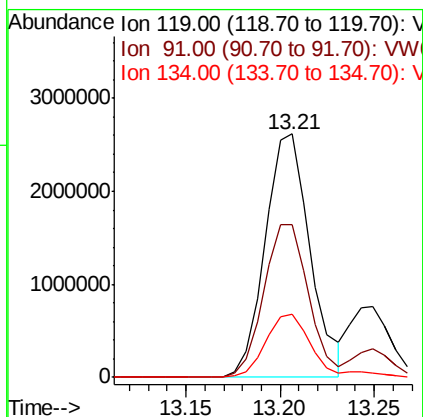
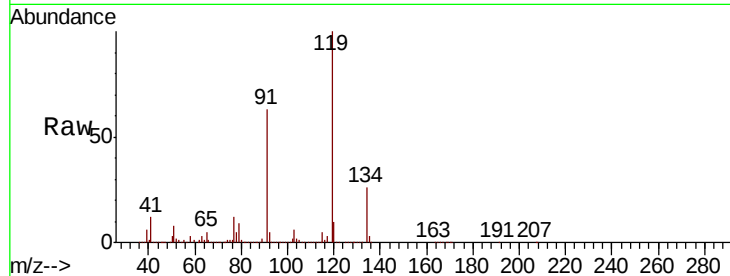




#83
tert-Butylbenzene
Concen: 142.967 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

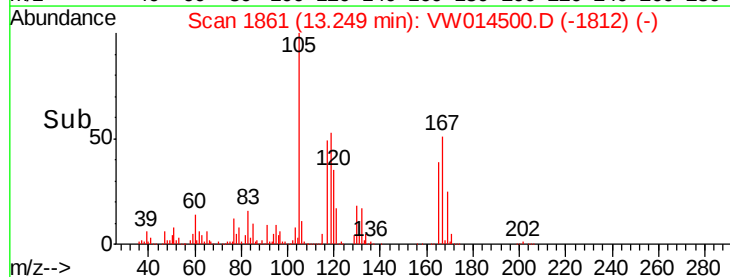
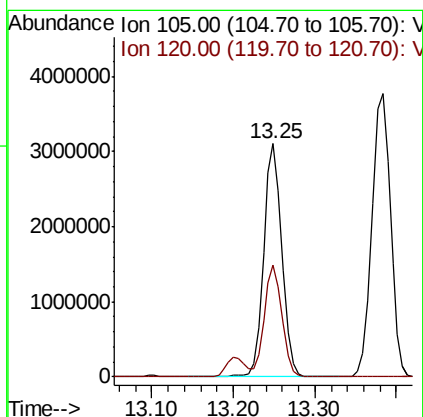
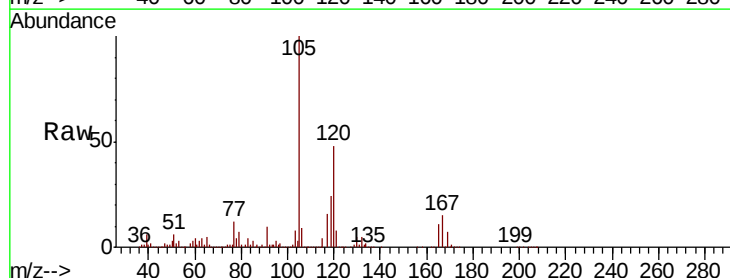
Instrument :
MSVOA_W
ClientSampleId :

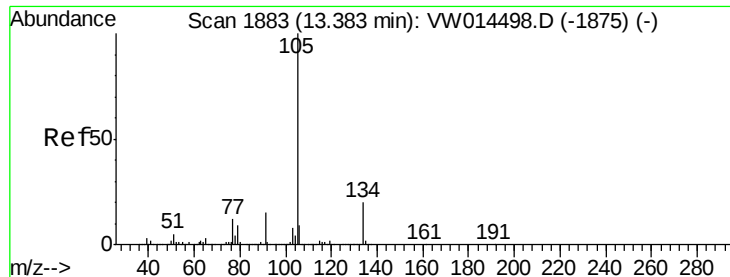
Tot Ion:119 Resp: 4333061
Ion Ratio Lower Upper
119 100
91 62.4 31.1 93.3
134 27.1 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 142.165 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:105 Resp: 4810066
Ion Ratio Lower Upper
105 100
120 47.1 23.4 70.0





#85

sec-Butylbenzene

Concen: 142.275 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

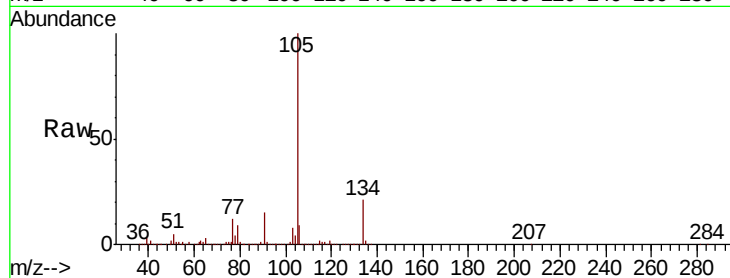
ClientSampleId :

Tot Ion:105 Resp: 5920266

Ion Ratio Lower Upper

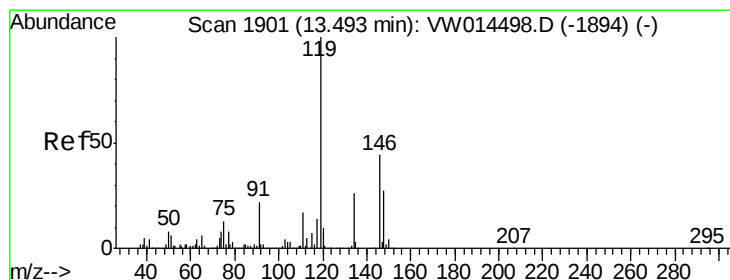
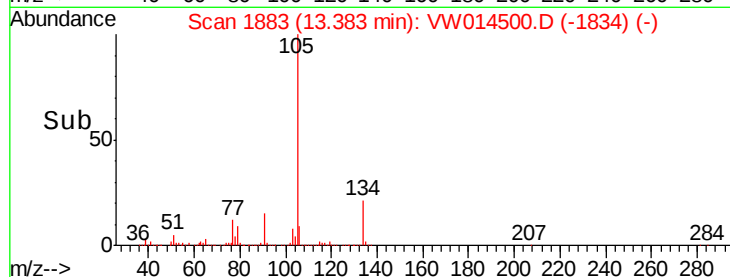
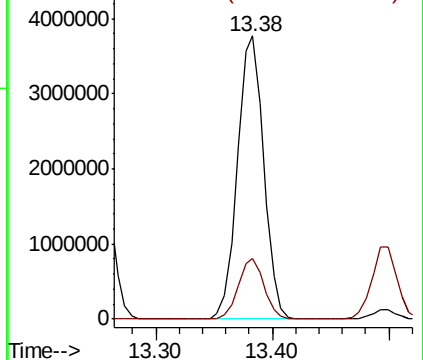
105 100

134 20.9 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 141.228 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

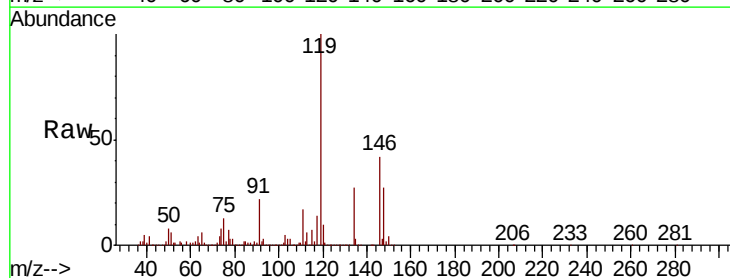
Tgt Ion:119 Resp: 5433157

Ion Ratio Lower Upper

119 100

134 27.0 13.2 39.5

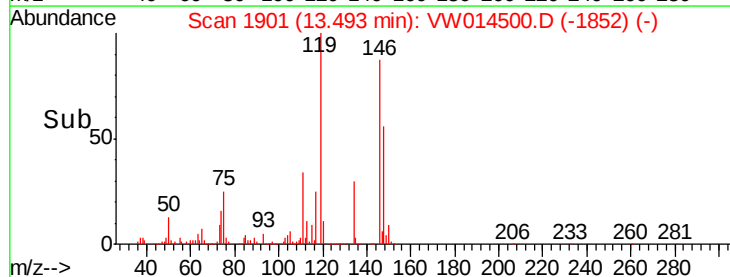
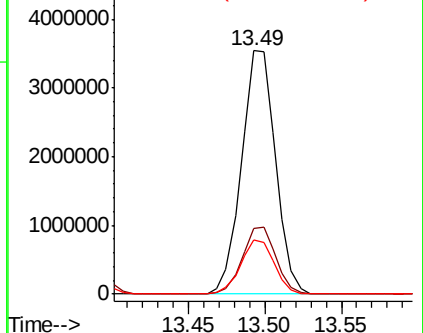
91 22.0 11.1 33.3

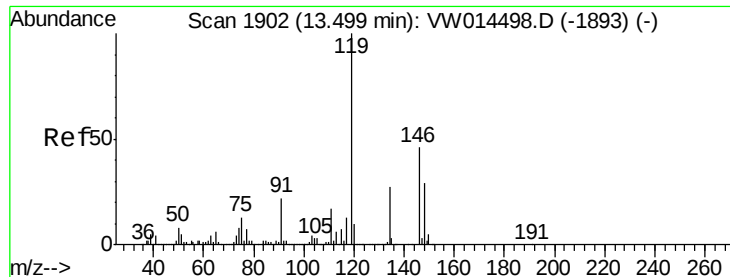


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

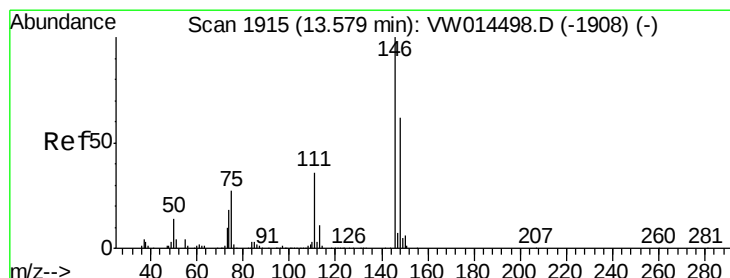
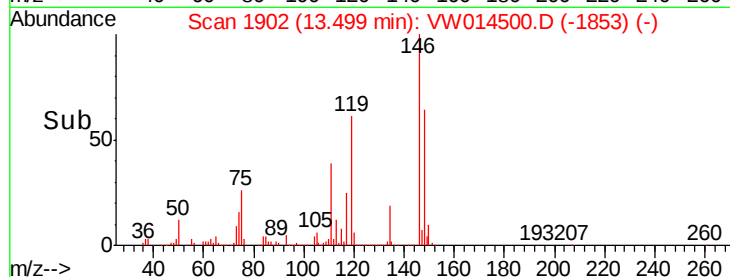
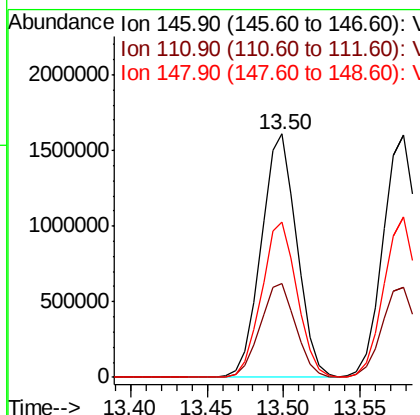
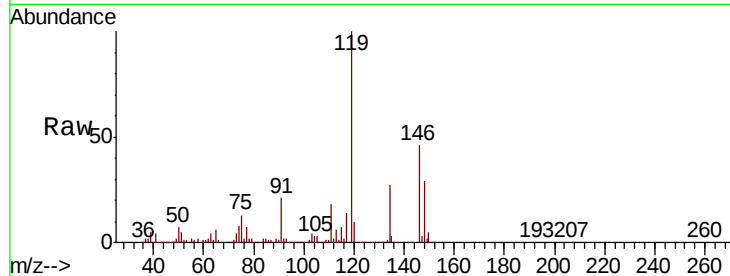




#87
 1,3-Dichlorobenzene
 Concen: 139.445 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

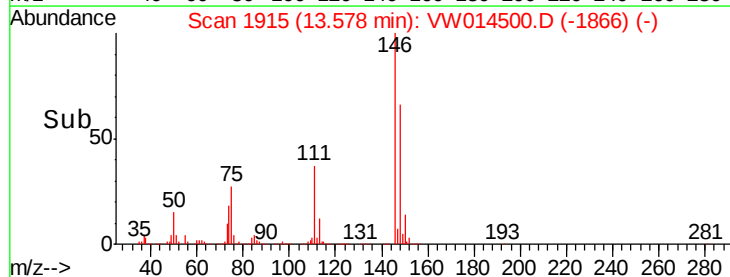
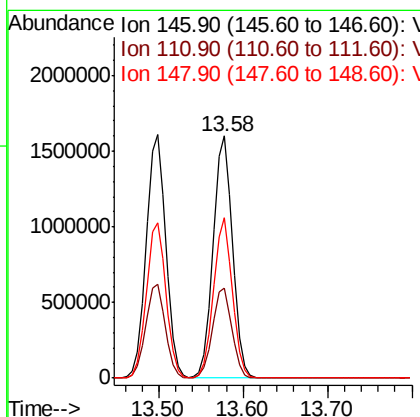
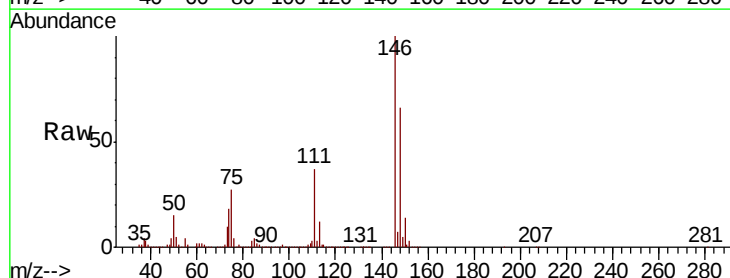
Instrument :
 MSVOA_W
 ClientSampled :

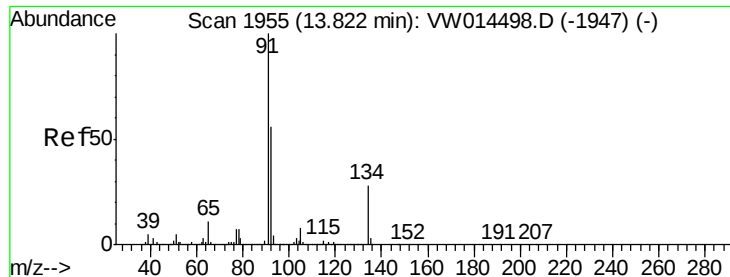
Tot Ion:146 Resp: 2599043
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.3 57.9
 148 63.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 137.397 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

Tgt Ion:146 Resp: 2551050
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.7 56.1
 148 64.2 31.7 95.1





#89

n-Butylbenzene

Concen: 146.028 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampled :

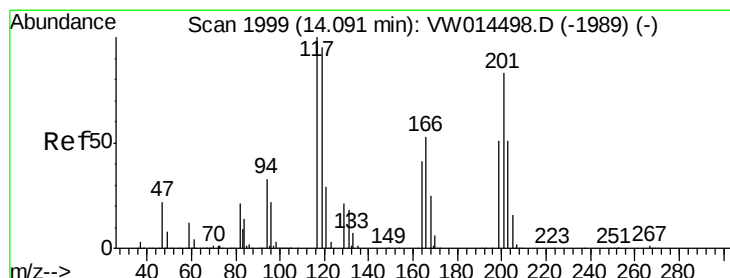
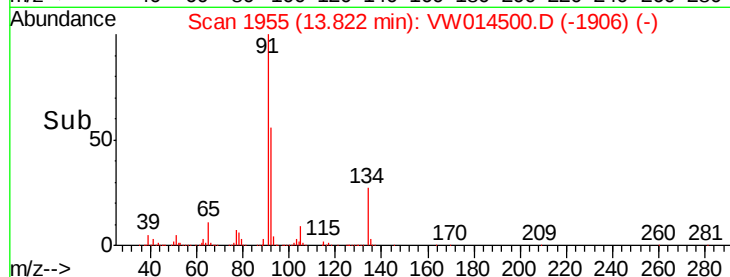
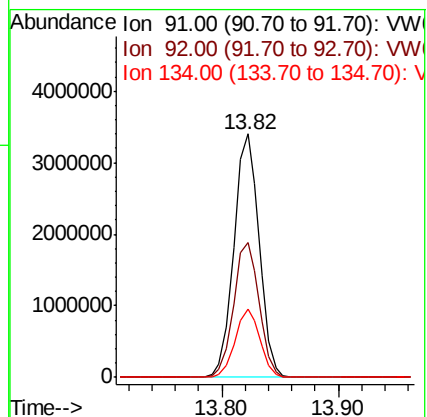
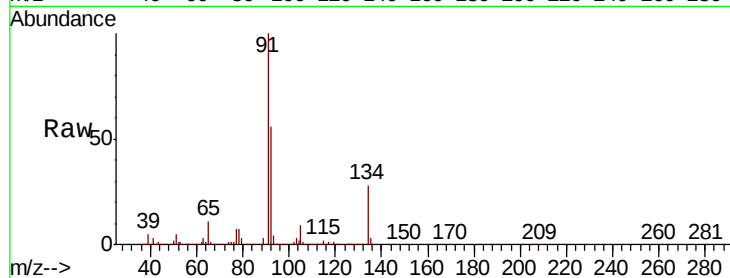
Tot Ion: 91 Resp: 5124136

Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.5	82.5
134	27.6	13.7	41.1

91 100

92 55.8 27.5 82.5

134 27.6 13.7 41.1



#90

Hexachloroethane

Concen: 147.282 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014500.D

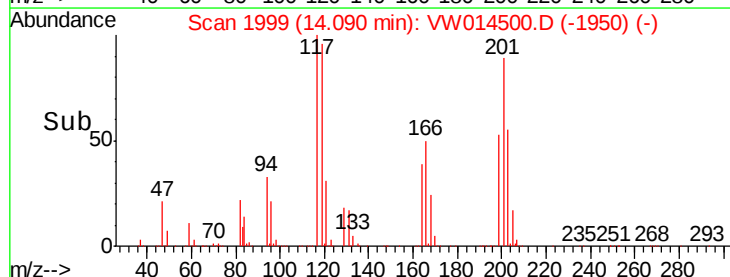
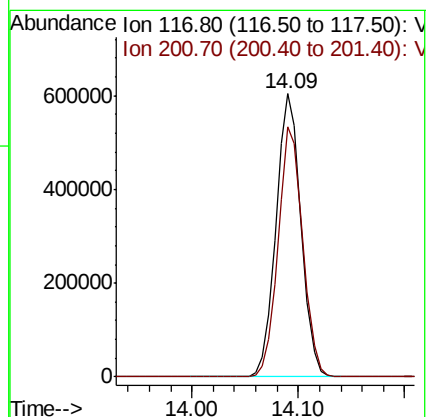
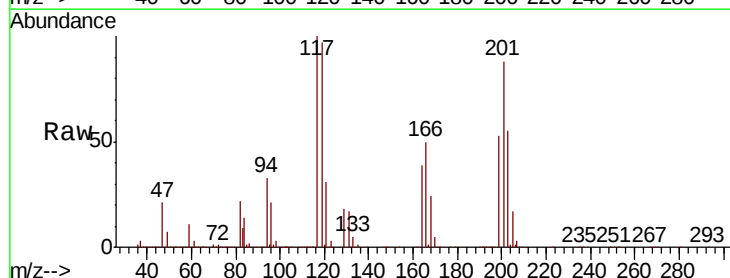
Acq: 03 Jan 2020 15:40

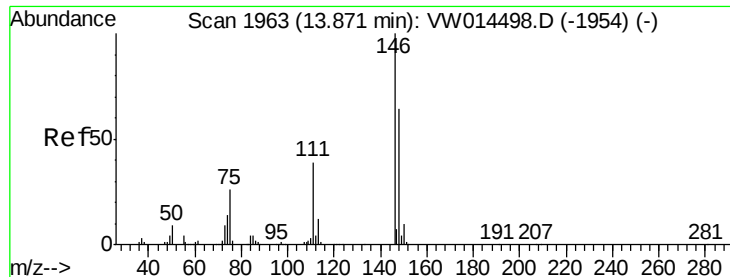
Tgt Ion: 117 Resp: 982820

Ion	Ratio	Lower	Upper
117	100		
201	86.9	43.0	128.8

117 100

201 86.9 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 138.831 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

Instrument :

MSVOA_W

ClientSampleId :

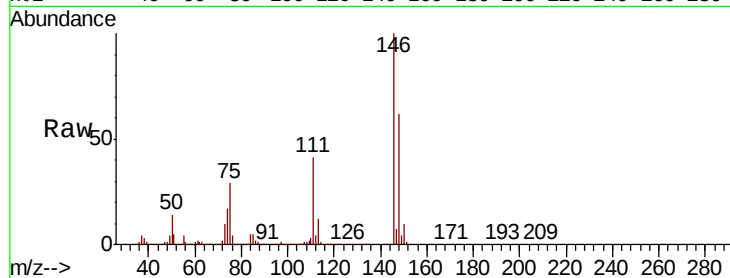
Tot Ion:146 Resp: 2258623

Ion Ratio Lower Upper

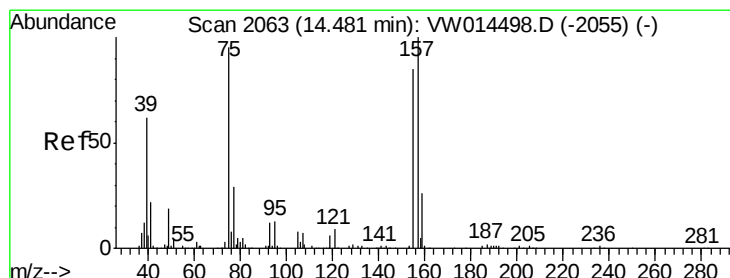
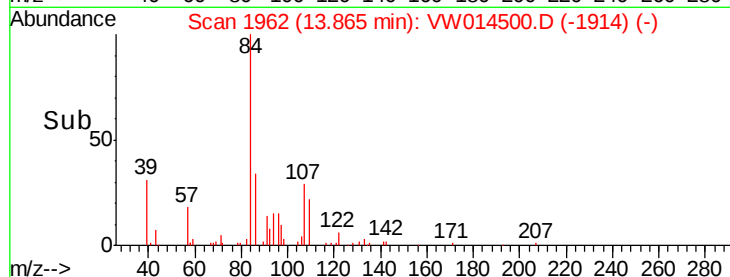
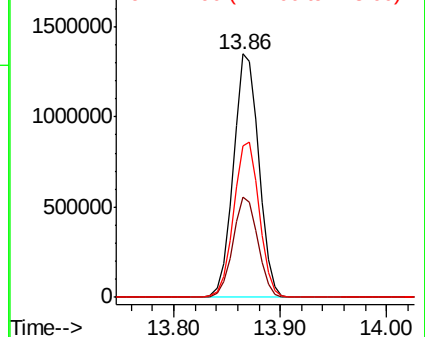
146 100

111 40.5 20.4 61.3

148 64.0 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 151.779 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014500.D

Acq: 03 Jan 2020 15:40

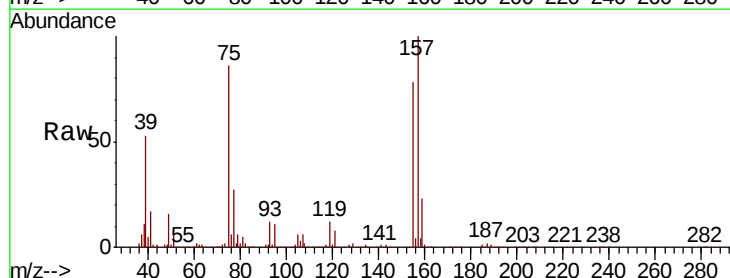
Tgt Ion: 75 Resp: 160261

Ion Ratio Lower Upper

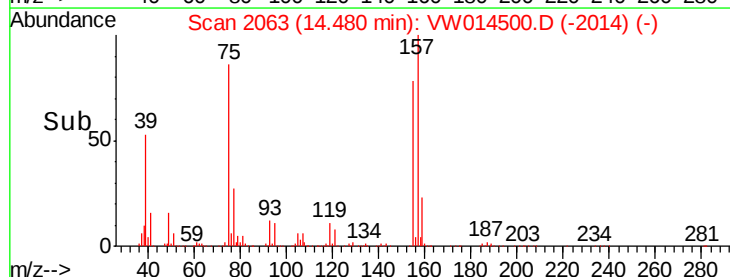
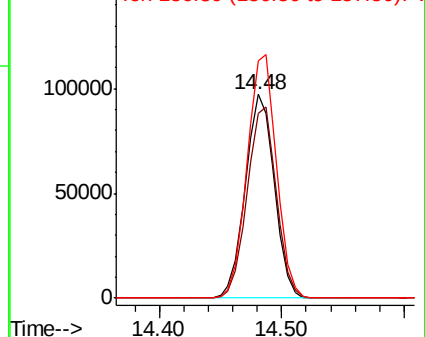
75 100

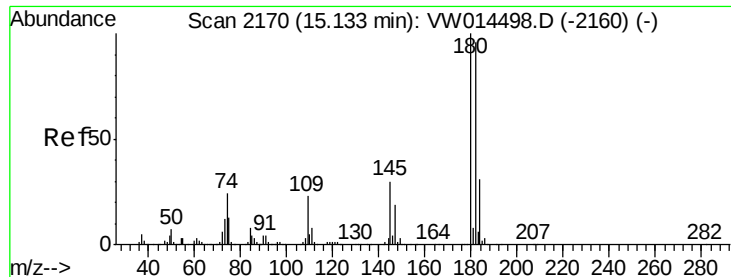
155 94.9 45.8 137.4

157 120.9 58.1 174.2



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



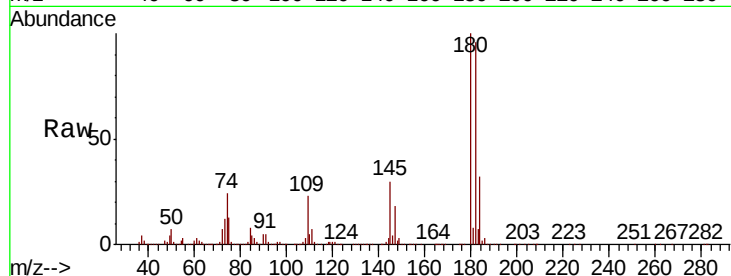


#93
 1,2,4-Trichlorobenzene
 Concen: 144.034 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

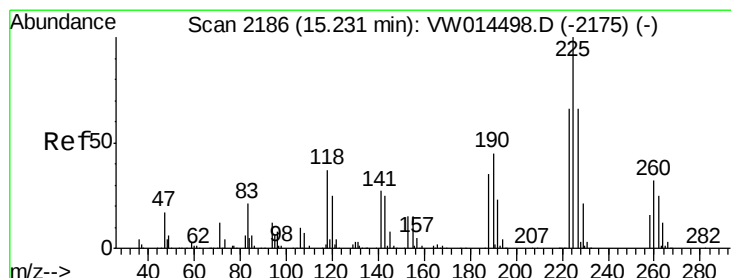
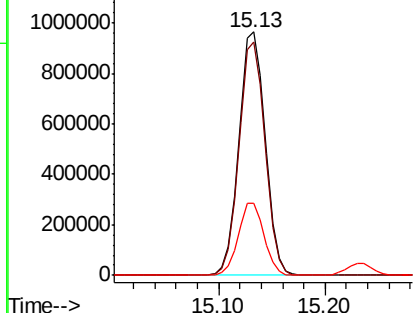
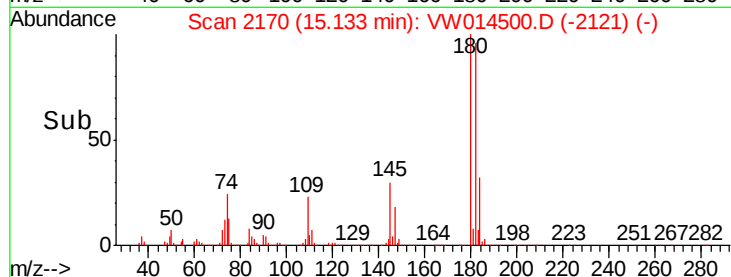
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 1671504

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	29.0	14.7	44.1



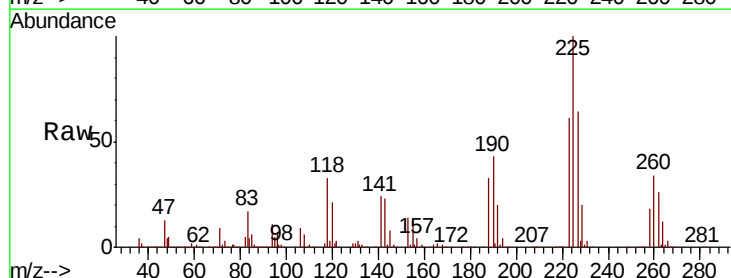
Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



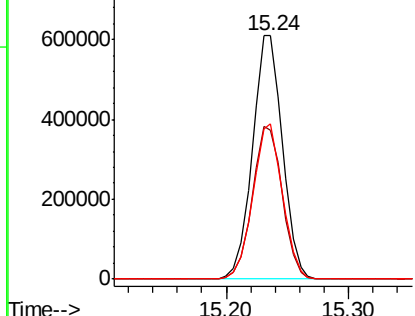
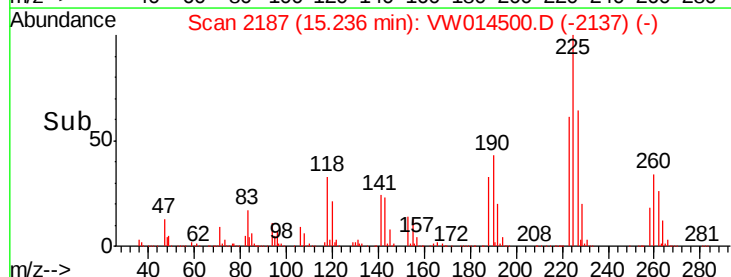
#94
 Hexachlorobutadiene
 Concen: 134.155 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014500.D
 Acq: 03 Jan 2020 15:40

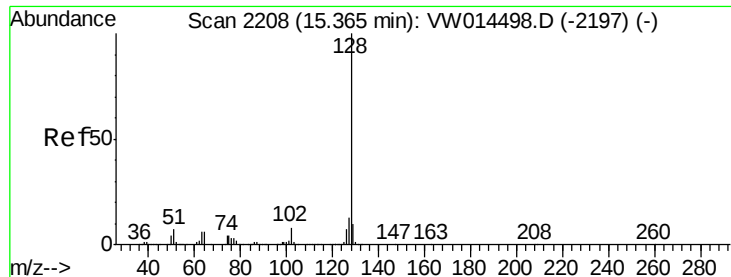
Tgt Ion:225 Resp: 1041376

Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.4	97.2
227	62.9	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

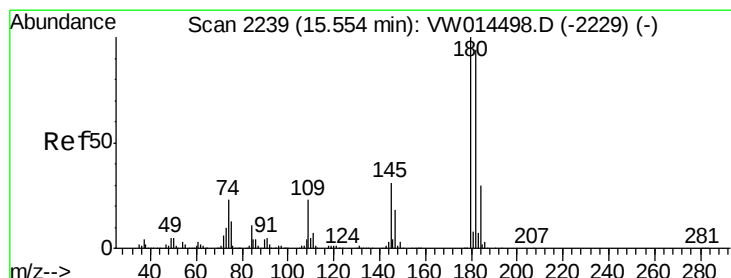
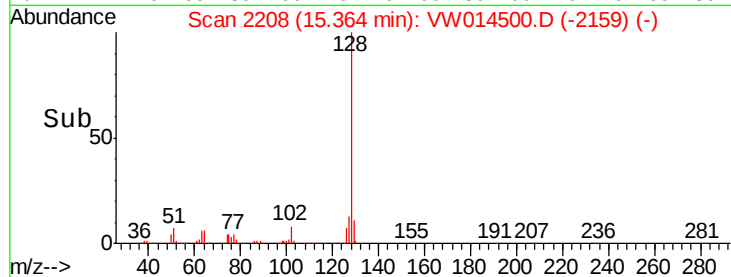
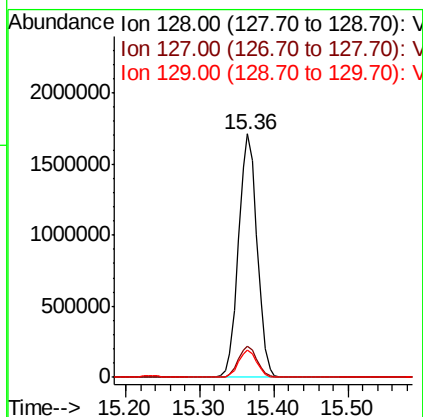
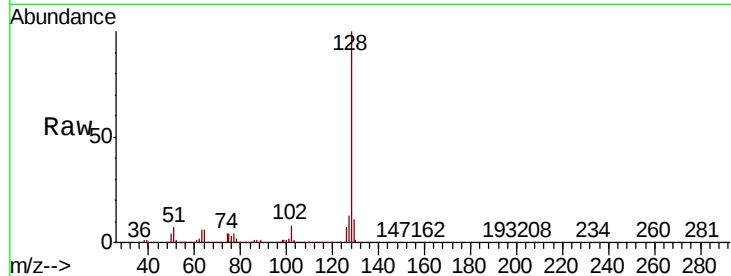




#95
Naphthalene
Concen: 157.602 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 2997441
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 142.805 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014500.D
Acq: 03 Jan 2020 15:40

Tgt Ion:180 Resp: 1432905
Ion Ratio Lower Upper
180 100
182 95.3 47.4 142.2
145 30.7 15.5 46.5

