

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010320\
 Data File : VW014496.D
 Acq On : 03 Jan 2020 13:55
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 03 15:18:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 15:15:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	891413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1335596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1132940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	556472	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	79960	11.70	ug/l	0.00
Spiked Amount			Recovery	=	23.40%	
35) Dibromofluoromethane	7.88	113	77061	10.44	ug/l	0.00
Spiked Amount			Recovery	=	20.88%	
50) Toluene-d8	10.32	98	324694	10.79	ug/l	0.00
Spiked Amount			Recovery	=	21.58%	
62) 4-Bromofluorobenzene	12.62	95	104711	10.25	ug/l	0.00
Spiked Amount			Recovery	=	20.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	51932	10.760	ug/l	99
3) Chloromethane	2.21	50	69966	13.461	ug/l	93
4) Vinyl Chloride	2.36	62	97599	12.424	ug/l	95
5) Bromomethane	2.77	94	61423	11.980	ug/l	99
6) Chloroethane	2.92	64	53587	11.380	ug/l	100
7) Trichlorofluoromethane	3.25	101	46886	9.891	ug/l	98
8) Diethyl Ether	3.67	74	46894	11.789	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	90126	11.461	ug/l	100
10) Methyl Iodide	4.27	142	133746	10.579	ug/l	98
11) Tert butyl alcohol	5.16	59	35283	78.864	ug/l	97
12) 1,1-Dichloroethene	4.04	96	94065	11.554	ug/l	95
13) Acrolein	3.89	56	35335	70.152	ug/l	99
14) Allyl chloride	4.66	41	141529	11.292	ug/l	99
15) Acrylonitrile	5.37	53	103754	61.509	ug/l	98
16) Acetone	4.12	43	110736	71.495	ug/l	99
17) Carbon Disulfide	4.38	76	281019	11.928	ug/l	97
18) Methyl Acetate	4.66	43	53499	12.628	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	116083	11.709	ug/l	98
20) Methylene Chloride	4.92	84	116360	12.747	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	98904	11.325	ug/l	100
22) Diisopropyl ether	6.31	45	267478	11.664	ug/l	95
23) Vinyl Acetate	6.25	43	776891	57.266	ug/l	100
24) 1,1-Dichloroethane	6.21	63	168395	11.627	ug/l	98
25) 2-Butanone	7.17	43	142350	64.144	ug/l	96
26) 2,2-Dichloropropane	7.16	77	95462	11.493	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	103873	11.218	ug/l	97
28) Bromochloromethane	7.51	49	61284	12.613	ug/l	100
29) Tetrahydrofuran	7.52	42	89671	65.190	ug/l	98
30) Chloroform	7.67	83	157495	11.072	ug/l	98
31) Cyclohexane	7.95	56	181002	11.952	ug/l	# 96
32) 1,1,1-Trichloroethane	7.87	97	127413	11.373	ug/l	99
36) 1,1-Dichloropropene	8.08	75	136078	10.864	ug/l	99
37) Ethyl Acetate	7.25	43	60286	11.873	ug/l	99
38) Carbon Tetrachloride	8.06	117	117729	10.502	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170170	10.569	ug/l	97
40) Benzene	8.32	78	383634	10.838	ug/l	97
41) Methacrylonitrile	7.48	41	29543	9.511	ug/l	97
42) 1,2-Dichloroethane	8.40	62	99598	11.074	ug/l	100
43) Isopropyl Acetate	8.42	43	107179	11.252	ug/l	99
44) Trichloroethene	9.09	130	102264	10.206	ug/l	89
45) 1,2-Dichloropropane	9.37	63	94553	11.130	ug/l	96
46) Dibromomethane	9.46	93	45667	10.957	ug/l	99
47) Bromodichloromethane	9.64	83	111923	10.526	ug/l	99
48) Methyl methacrylate	9.43	41	50658	10.770	ug/l	98
49) 1,4-Dioxane	9.45	88	17245	259.905	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	278178	57.816	ug/l	99
52) Toluene	10.38	92	239870	10.549	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	112178	10.348	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	140421	10.540	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	66601	10.735	ug/l	97
56) Ethyl methacrylate	10.64	69	80620	10.245	ug/l	98
57) 1,3-Dichloropropane	10.93	76	117511	11.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	107014	31.863	ug/l	100
59) 2-Hexanone	10.97	43	187878	56.744	ug/l	97
60) Dibromochloromethane	11.13	129	73161	10.063	ug/l	97
61) 1,2-Dibromoethane	11.23	107	62701	10.666	ug/l	99
64) Tetrachloroethene	10.86	164	88979	10.375	ug/l	96
65) Chlorobenzene	11.66	112	248665	10.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	81184	10.042	ug/l	99
67) Ethyl Benzene	11.73	91	445401	10.618	ug/l	99
68) m/p-Xylenes	11.84	106	342936	21.181	ug/l	100
69) o-Xylene	12.16	106	155115	10.422	ug/l	99
70) Styrene	12.18	104	261350	10.243	ug/l	100
71) Bromoform	12.35	173	43105	10.008	ug/l #	100
73) Isopropylbenzene	12.46	105	427948	10.692	ug/l	99
74) N-amyl acetate	12.27	43	89653	11.077	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	76209	11.598	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	96427	22.238	ug/l #	100
77) Bromobenzene	12.74	156	100793	10.575	ug/l	98
78) n-propylbenzene	12.80	91	505891	10.898	ug/l	99
79) 2-Chlorotoluene	12.89	91	290709	11.131	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	362815	10.774	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	23405	10.639	ug/l	97
82) 4-Chlorotoluene	12.99	91	299356	10.956	ug/l	100
83) tert-Butylbenzene	13.21	119	313485	10.494	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	357697	10.749	ug/l	100
85) sec-Butylbenzene	13.38	105	436125	10.656	ug/l	100
86) p-Isopropyltoluene	13.50	119	394344	10.377	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	192200	10.426	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	193773	10.560	ug/l	97
89) n-Butylbenzene	13.82	91	359434	10.427	ug/l	100
90) Hexachloroethane	14.09	117	67784	10.272	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	171619	10.696	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	11753	11.647	ug/l	98

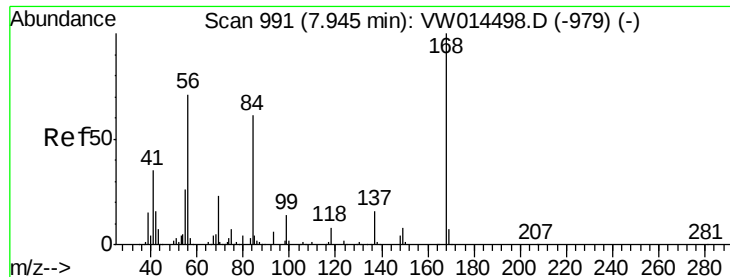
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	107173	9.235	ug/l	98
94) Hexachlorobutadiene	15.23	225	77483	9.951	ug/l	98
95) Naphthalene	15.36	128	168839	9.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	93748	9.342	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: VW014496.D

Acq: 03 Jan 2020 13:55

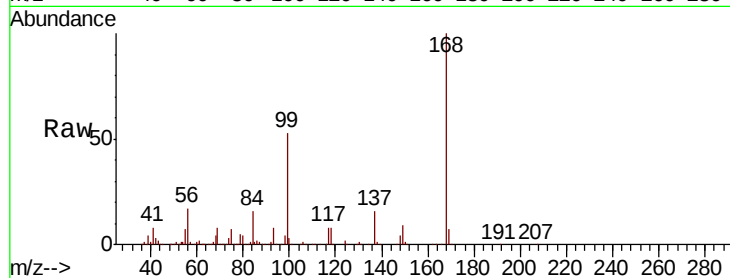
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 891413

Ion Ratio Lower Upper

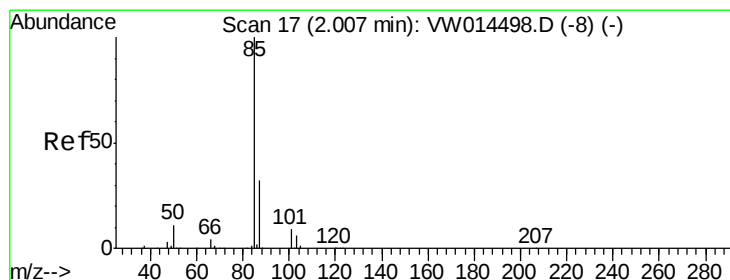
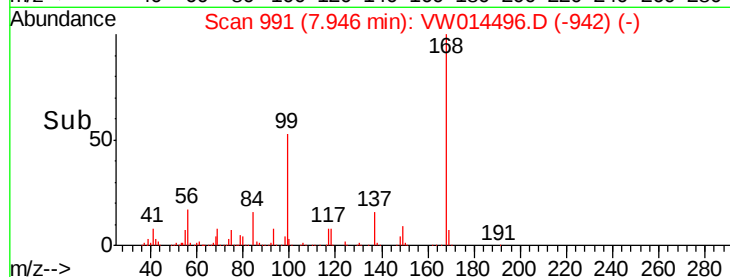
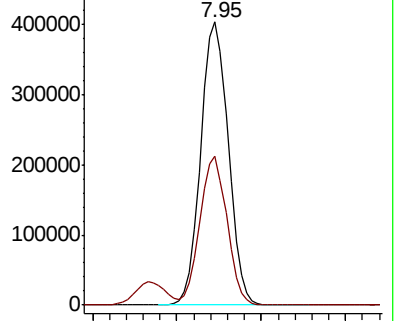
168 100

99 52.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 10.760 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014496.D

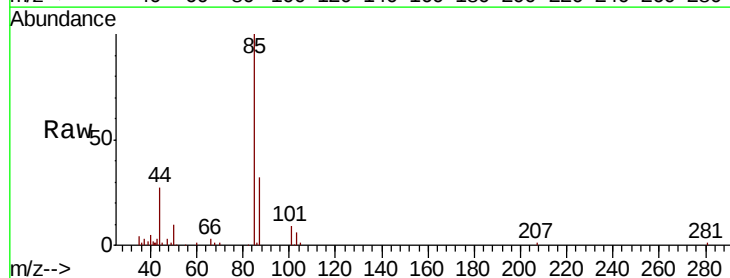
Acq: 03 Jan 2020 13:55

Tgt Ion: 85 Resp: 51932

Ion Ratio Lower Upper

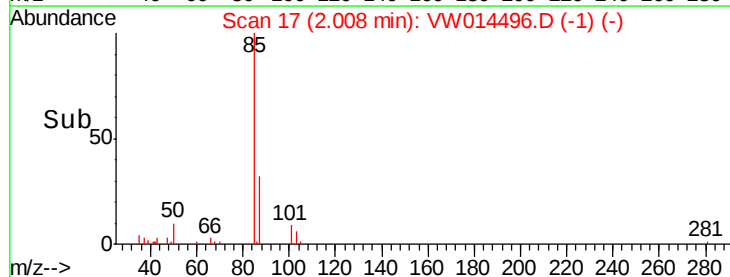
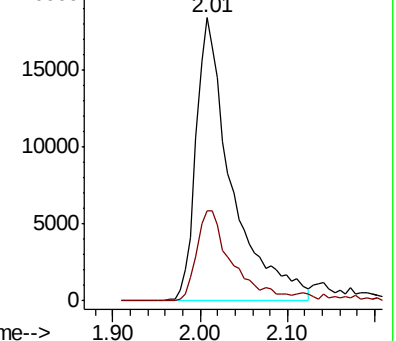
85 100

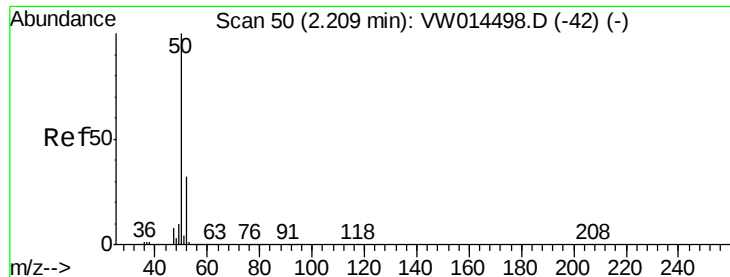
87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 13.461 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

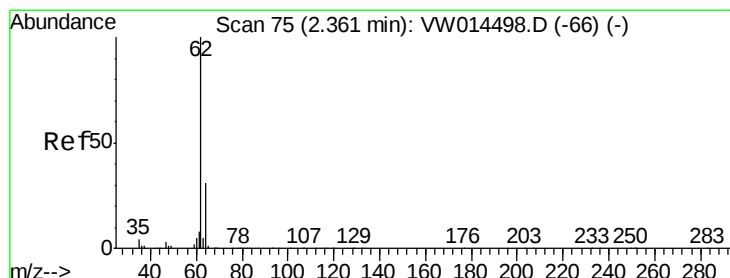
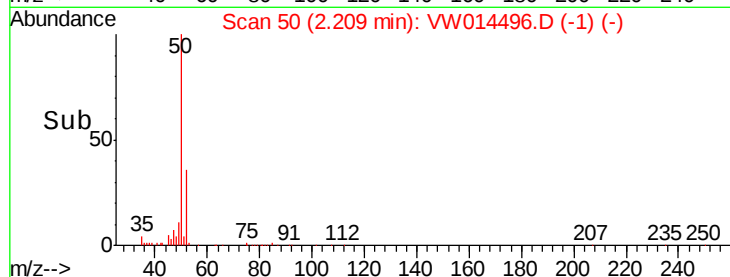
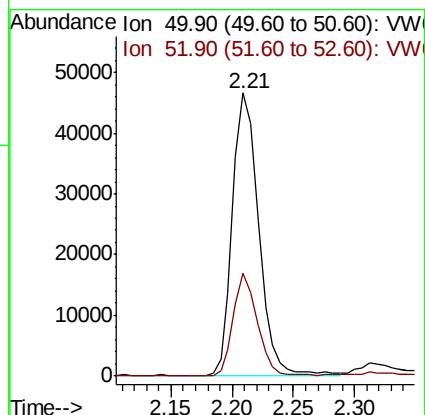
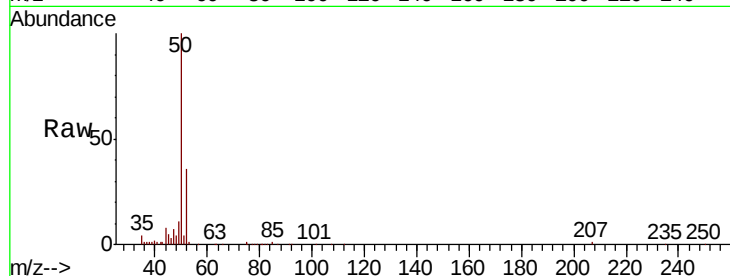
ClientSampleId :

Tot Ion: 50 Resp: 69966

Ion Ratio Lower Upper

50 100

52 36.3 25.8 38.8



#4

Vinyl Chloride

Concen: 12.424 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014496.D

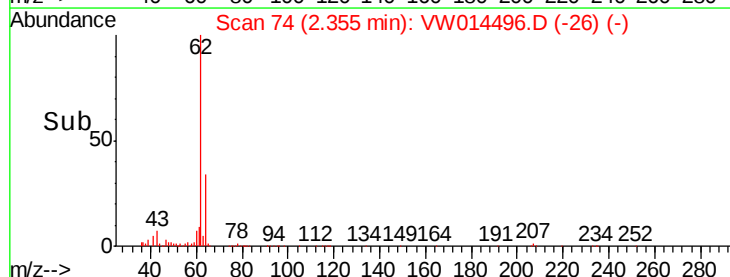
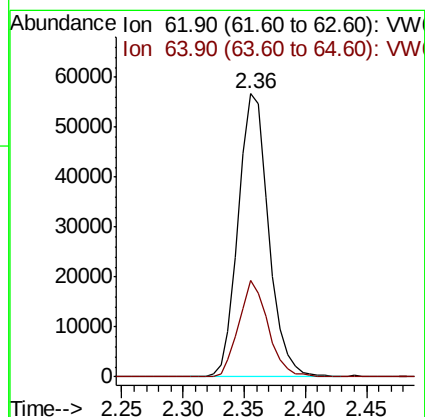
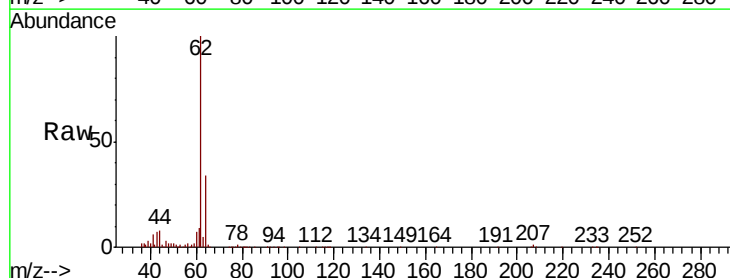
Acq: 03 Jan 2020 13:55

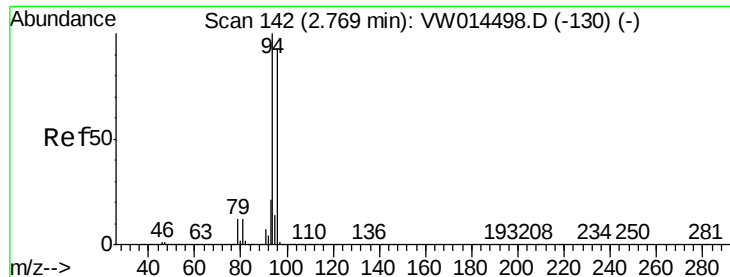
Tgt Ion: 62 Resp: 97599

Ion Ratio Lower Upper

62 100

64 34.1 25.0 37.4





#5

Bromomethane

Concen: 11.980 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

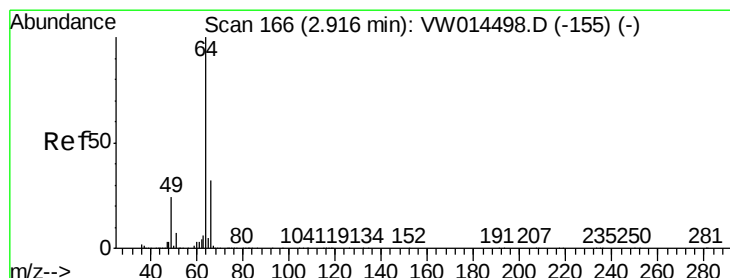
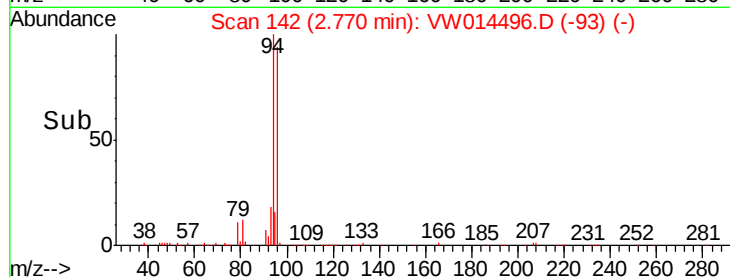
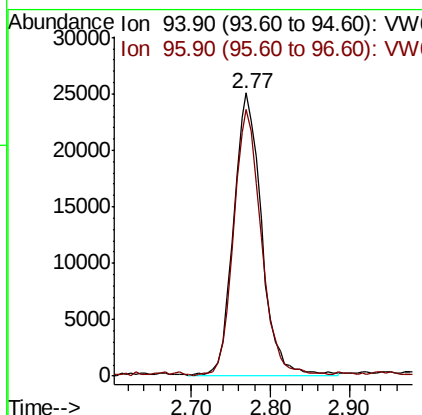
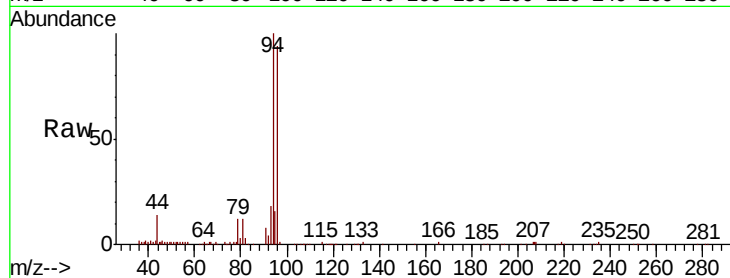
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 61423

Ion Ratio Lower Upper

94 100

96 93.6 74.2 111.2



#6

Chloroethane

Concen: 11.380 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014496.D

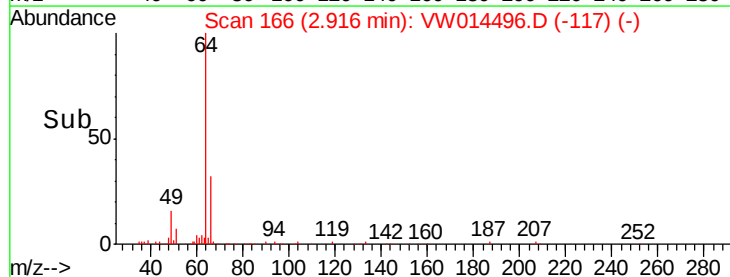
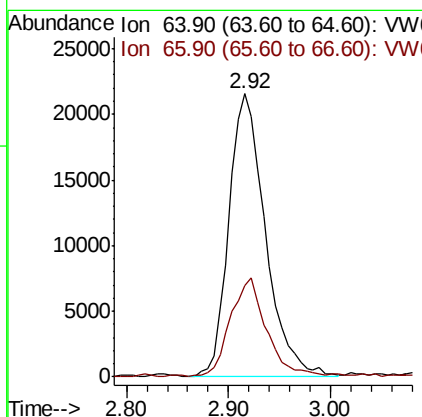
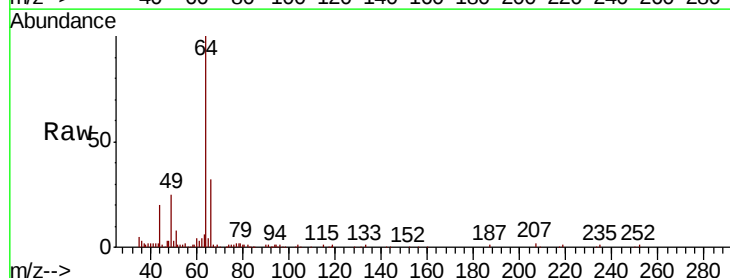
Acq: 03 Jan 2020 13:55

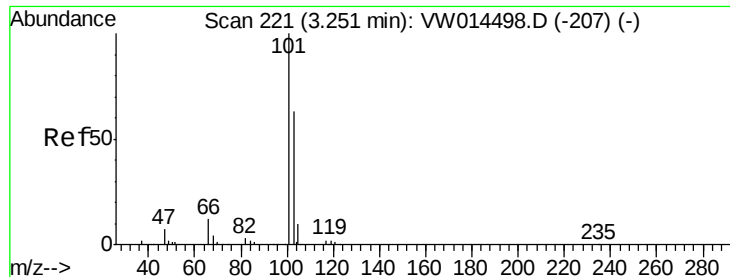
Tgt Ion: 64 Resp: 53587

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5



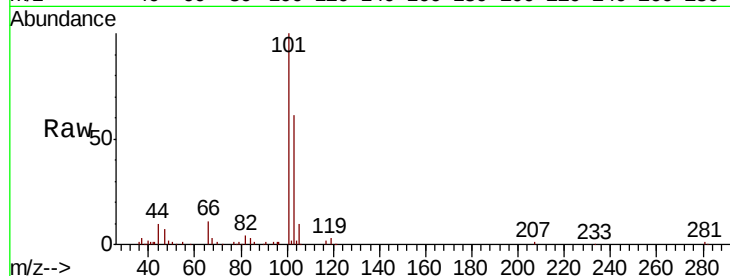


#7

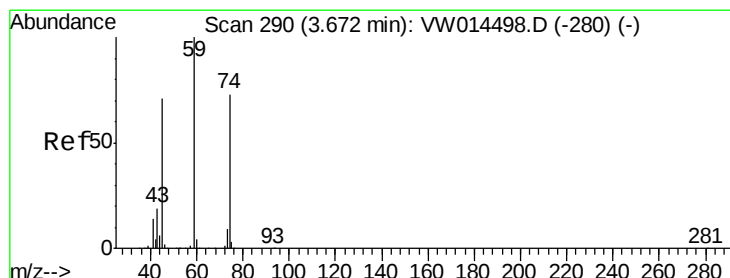
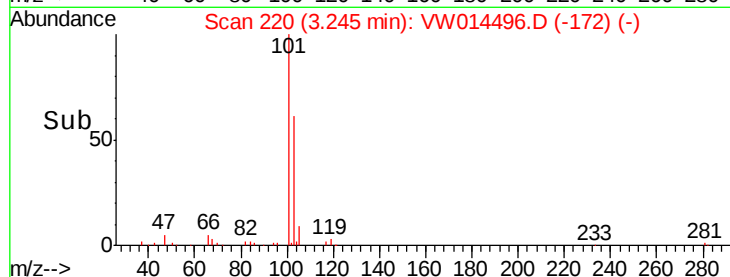
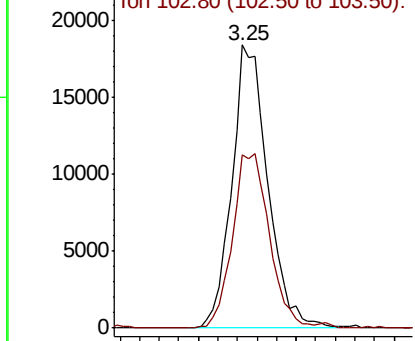
Trichlorofluoromethane
Concen: 9.891 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 46886
Ion Ratio Lower Upper
101 100
103 61.3 50.1 75.1



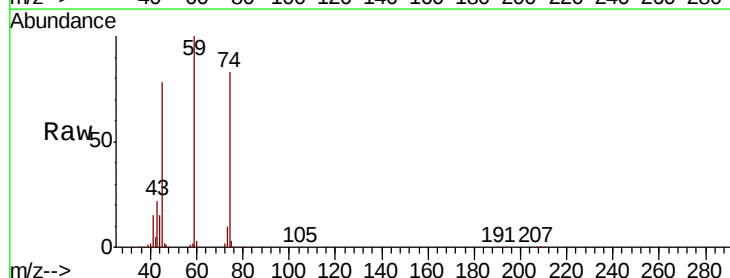
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



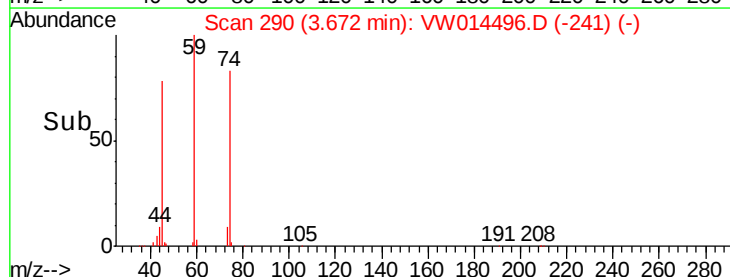
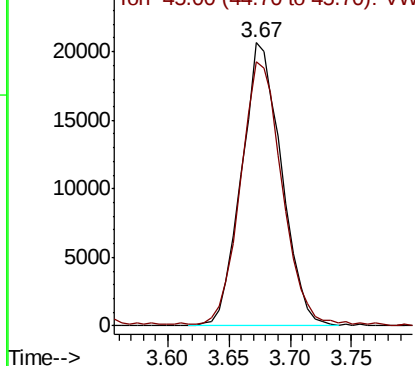
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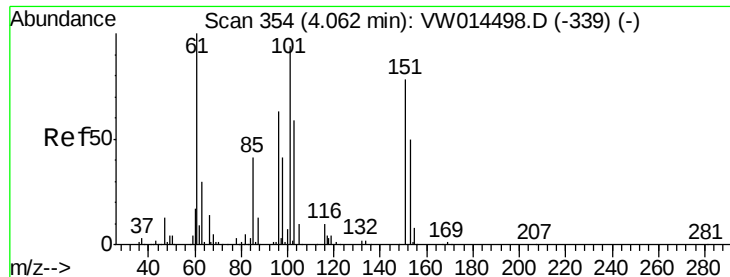
Diethyl Ether
Concen: 11.789 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 74 Resp: 46894
Ion Ratio Lower Upper
74 100
45 97.8 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.461 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

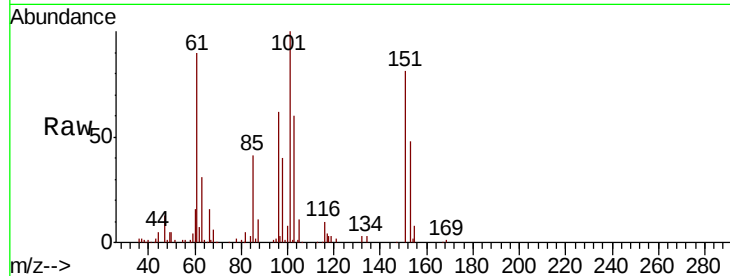
Tot Ion:101 Resp: 90126

Ion Ratio Lower Upper

101 100

85 42.0 33.7 50.5

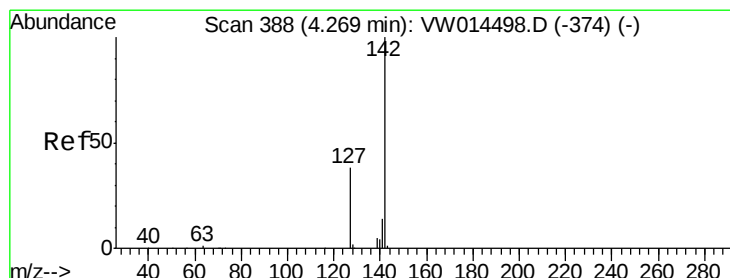
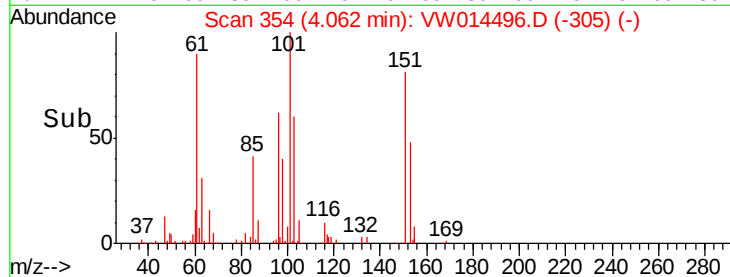
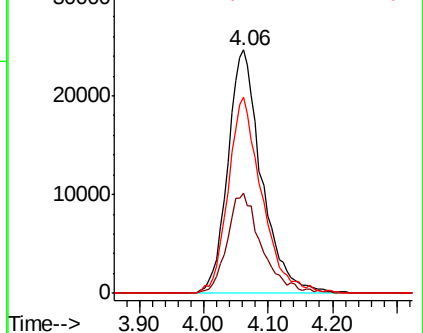
151 79.9 63.5 95.3



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: 10.579 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

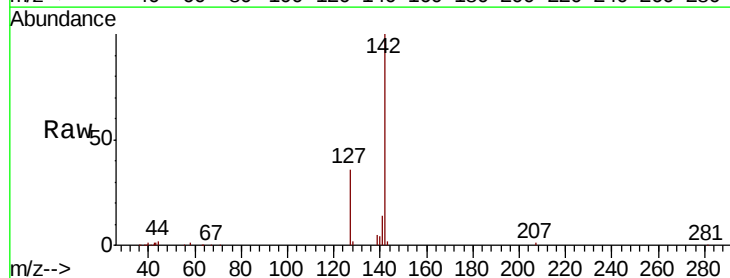
Tgt Ion:142 Resp: 133746

Ion Ratio Lower Upper

142 100

127 39.6 30.2 45.4

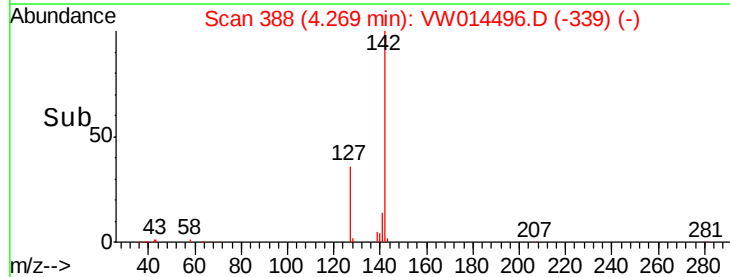
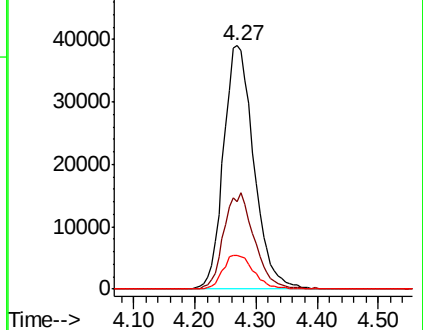
141 14.2 11.4 17.2

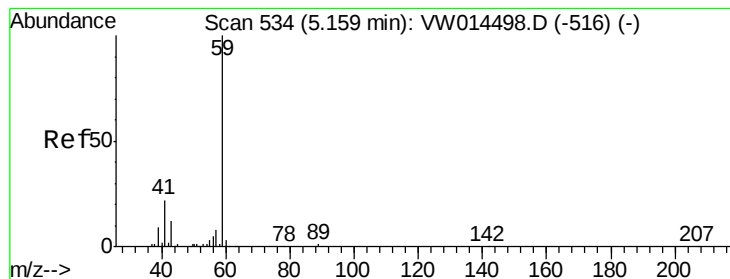


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 78.864 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

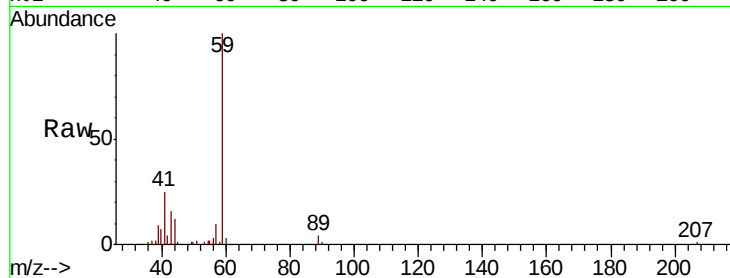
ClientSampled :

Tot Ion: 59 Resp: 35283

Ion Ratio Lower Upper

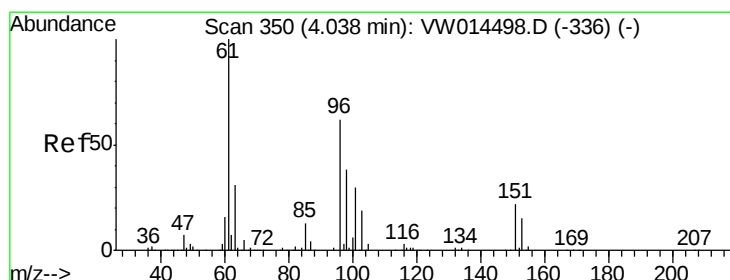
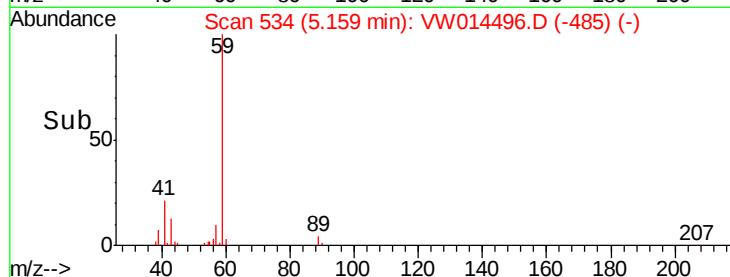
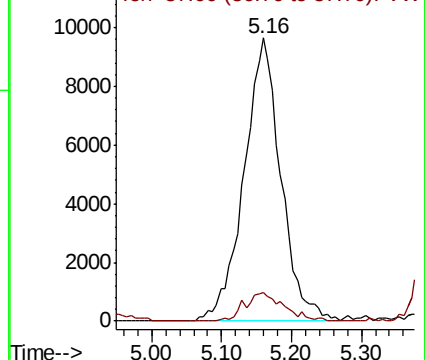
59 100

57 10.8 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 11.554 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

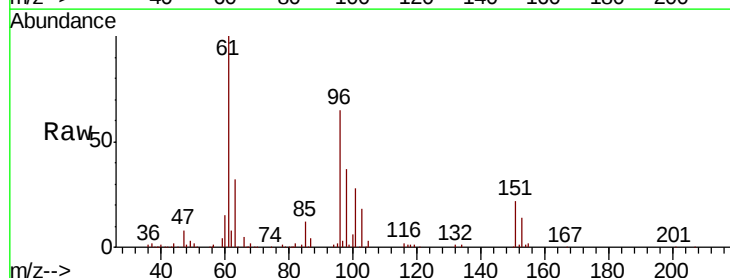
Tgt Ion: 96 Resp: 94065

Ion Ratio Lower Upper

96 100

61 154.2 128.4 192.6

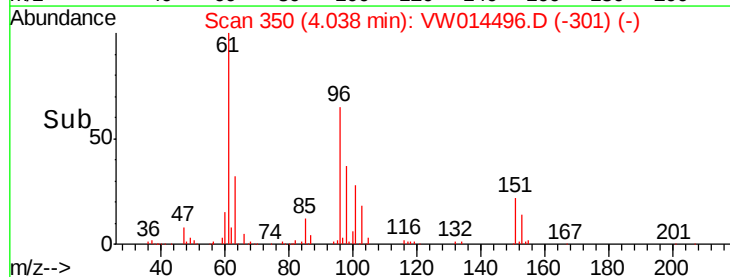
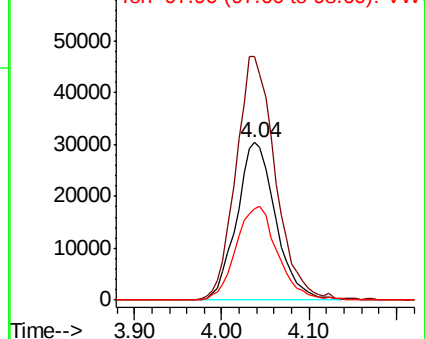
98 57.5 49.1 73.7

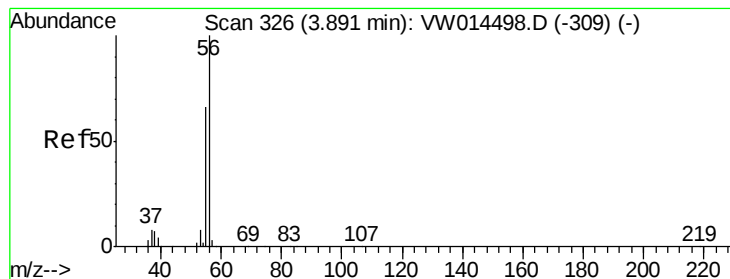


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 70.152 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

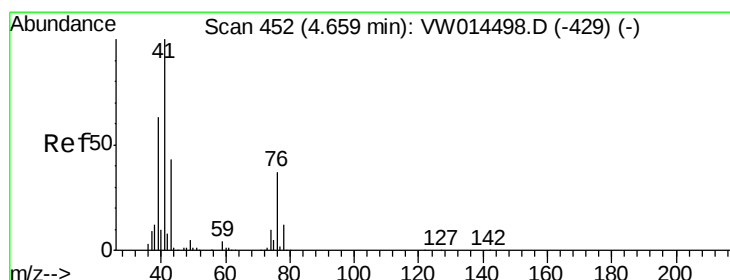
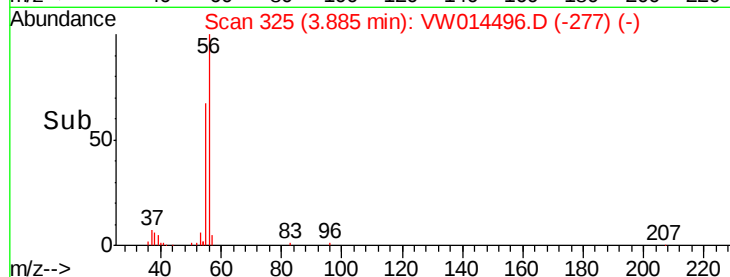
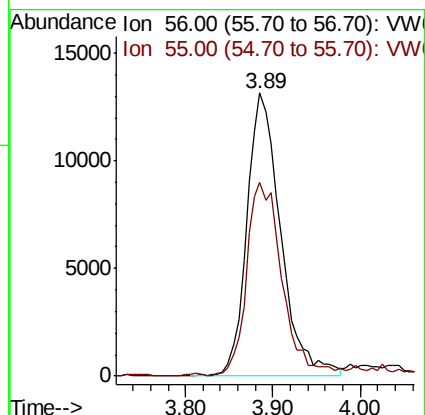
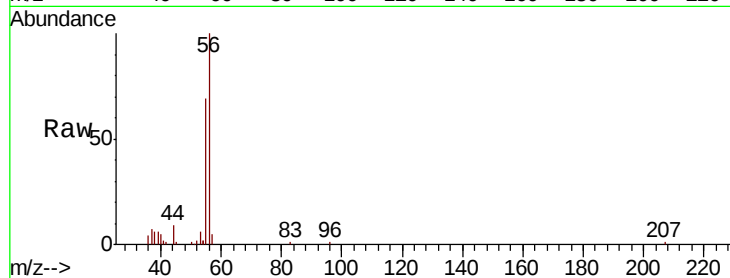
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 35335

Ion Ratio Lower Upper

56 100

55 72.1 56.7 85.1



#14

Allyl chloride

Concen: 11.292 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

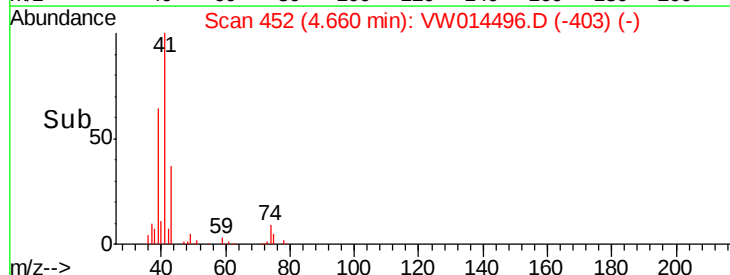
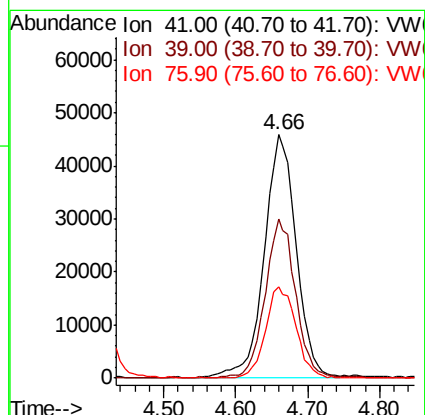
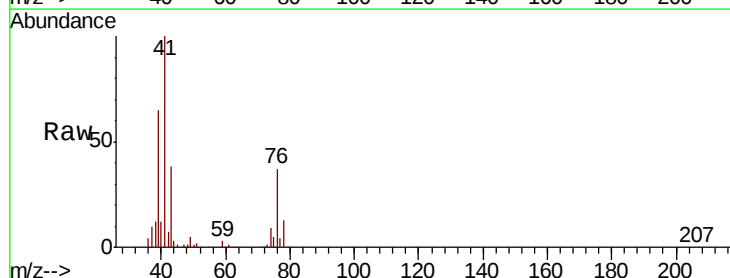
Tgt Ion: 41 Resp: 141529

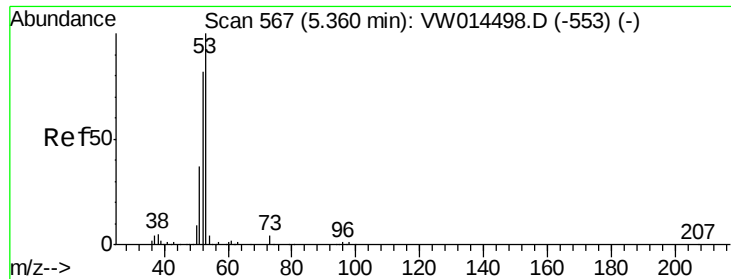
Ion Ratio Lower Upper

41 100

39 61.2 48.5 72.7

76 35.8 28.1 42.1





#15

Acrylonitrile

Concen: 61.509 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

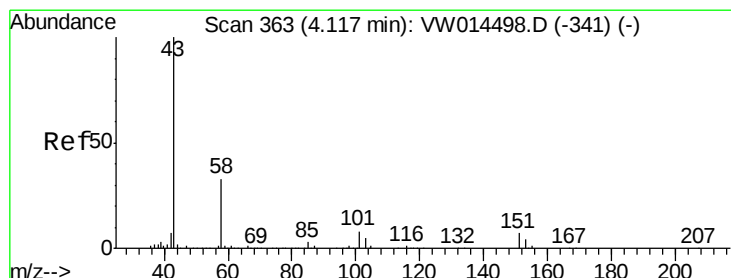
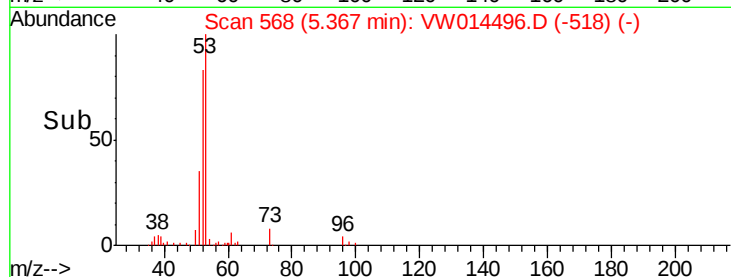
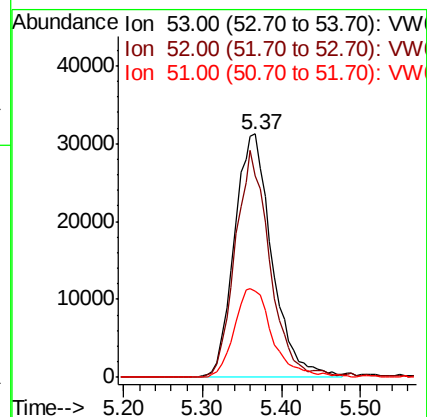
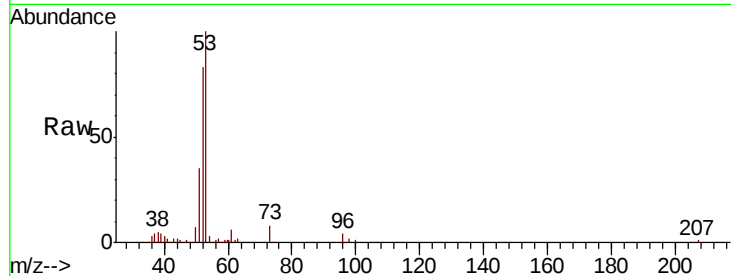
Tot Ion: 53 Resp: 103754

Ion Ratio Lower Upper

53 100

52 85.4 66.5 99.7

51 36.6 28.4 42.6



#16

Acetone

Concen: 71.495 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014496.D

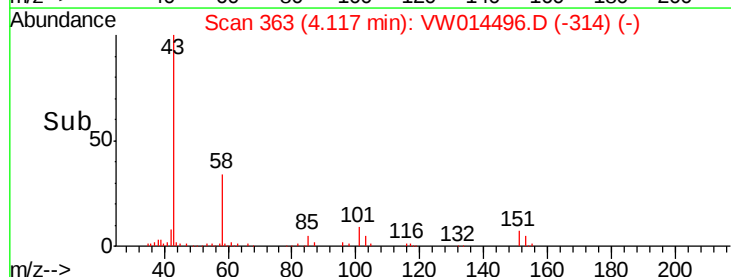
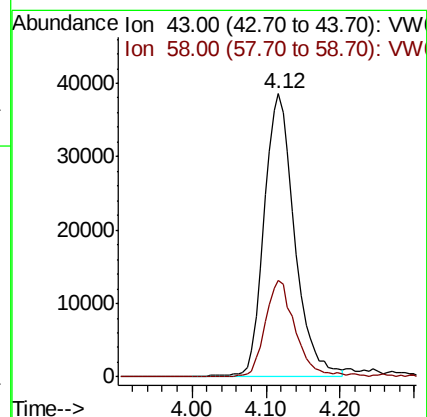
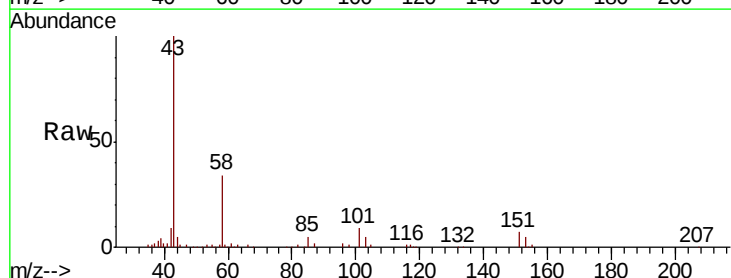
Acq: 03 Jan 2020 13:55

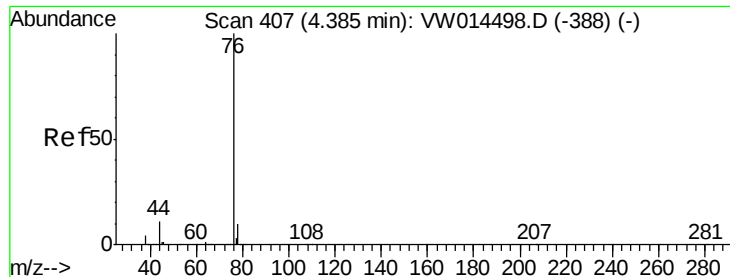
Tgt Ion: 43 Resp: 110736

Ion Ratio Lower Upper

43 100

58 34.0 26.6 39.8





#17

Carbon Disulfide

Concen: 11.928 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

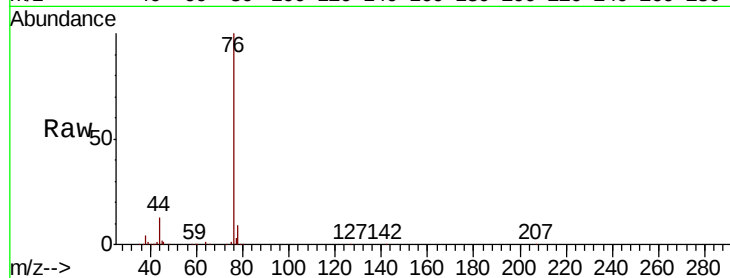
ClientSampled :

Tot Ion: 76 Resp: 281019

Ion Ratio Lower Upper

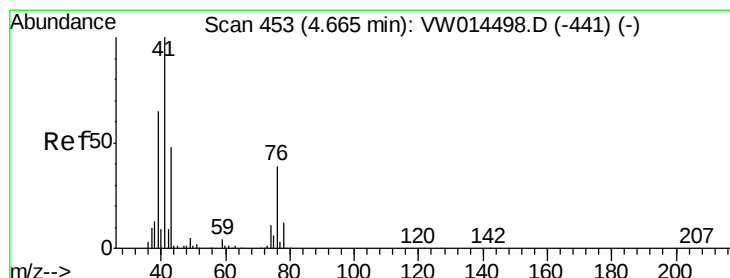
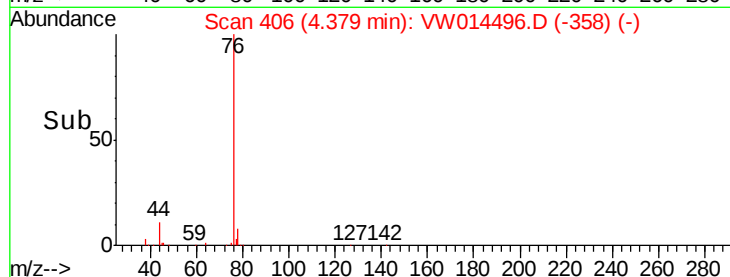
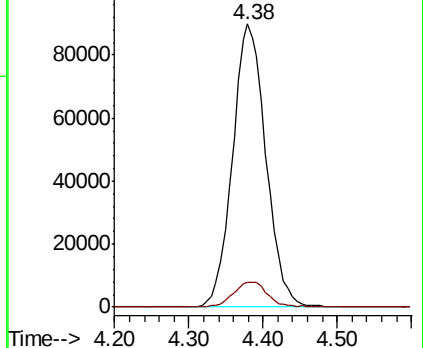
76 100

78 8.6 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 12.628 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014496.D

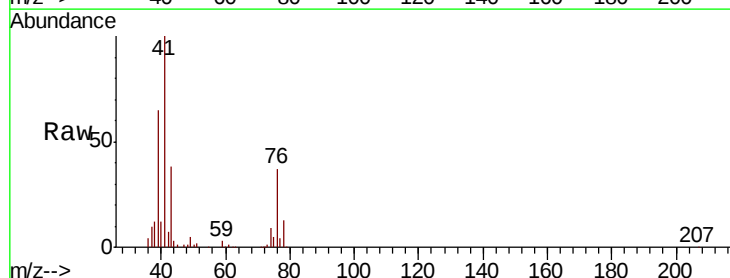
Acq: 03 Jan 2020 13:55

Tgt Ion: 43 Resp: 53499

Ion Ratio Lower Upper

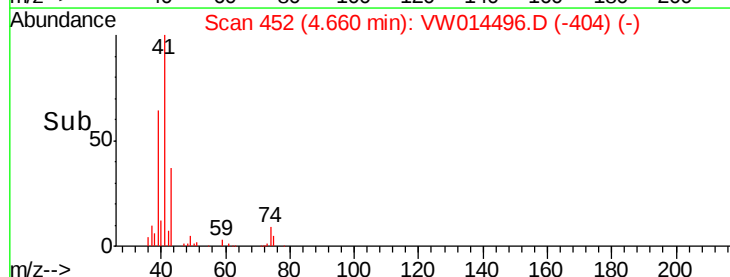
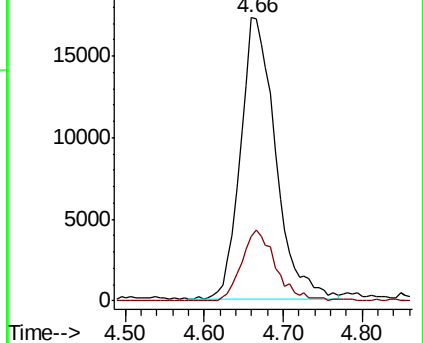
43 100

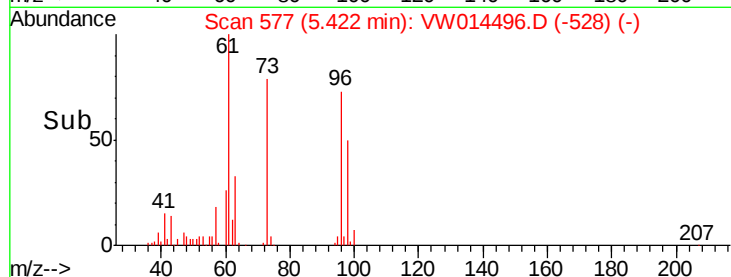
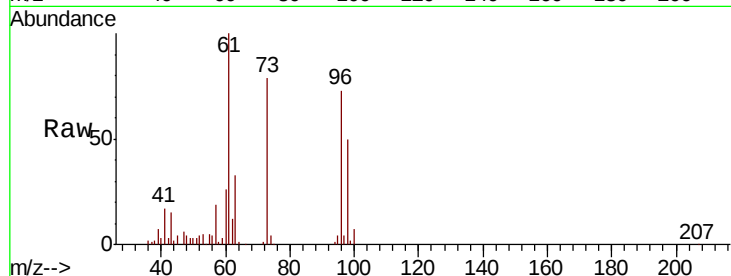
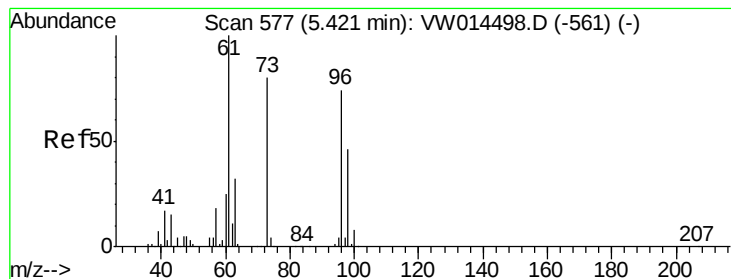
74 24.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



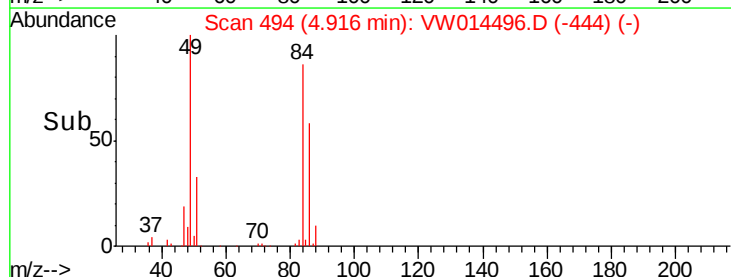
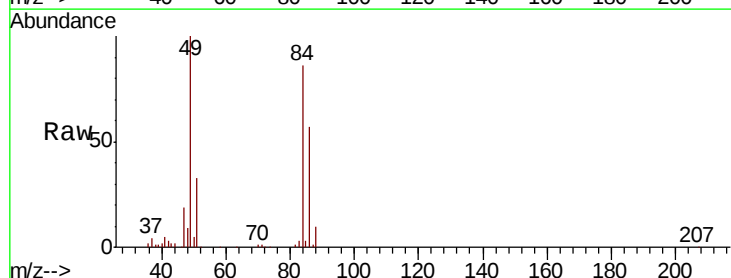
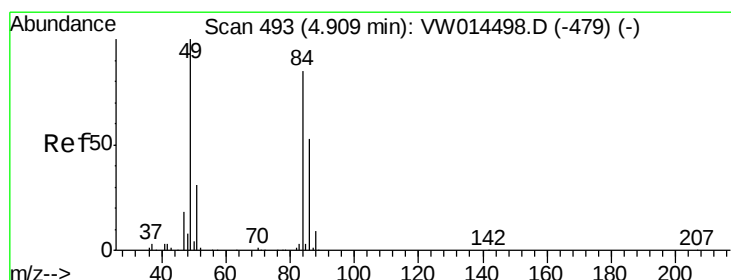
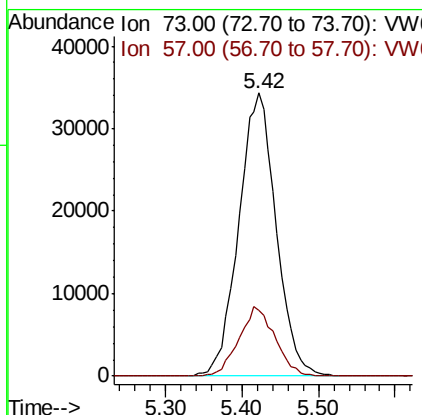


#19

Methyl tert-butyl Ether
Concen: 11.709 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Instrument :
MSVOA_W
ClientSampled :

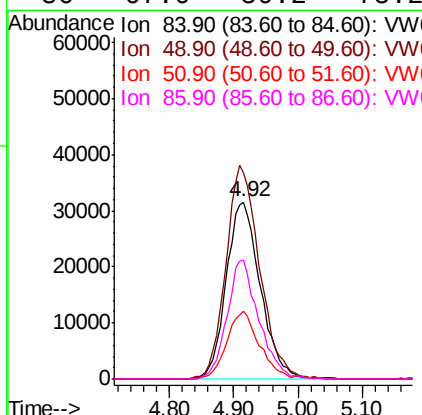
Tot Ion: 73 Resp: 116083
Ion Ratio Lower Upper
73 100
57 23.4 18.1 27.1

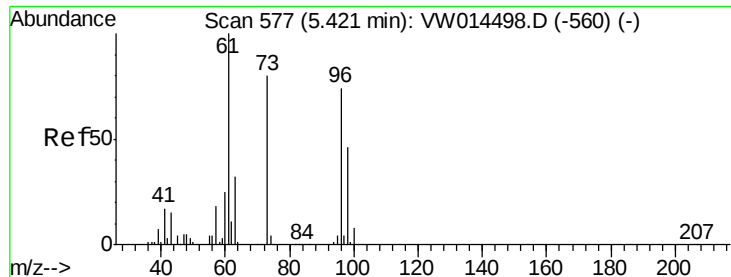


#20

Methylene Chloride
Concen: 12.747 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 84 Resp: 116360
Ion Ratio Lower Upper
84 100
49 116.4 94.4 141.6
51 38.2 29.5 44.3
86 67.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 11.325 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampled :

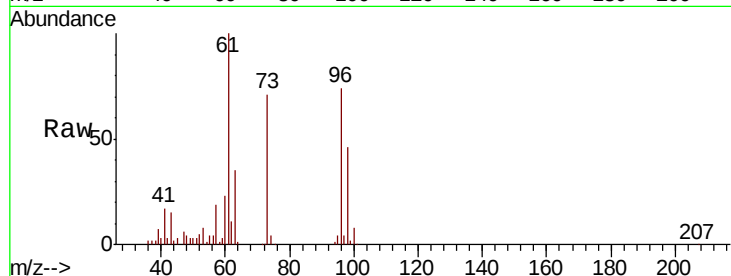
Tot Ion: 96 Resp: 98904

Ion Ratio Lower Upper

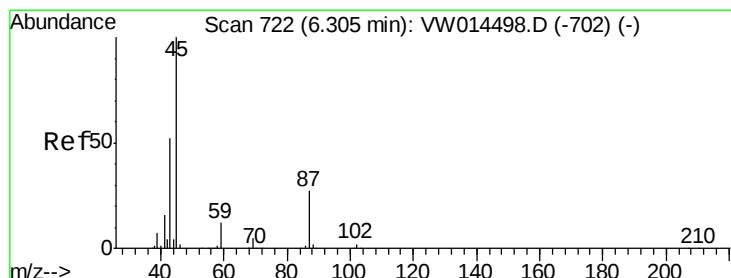
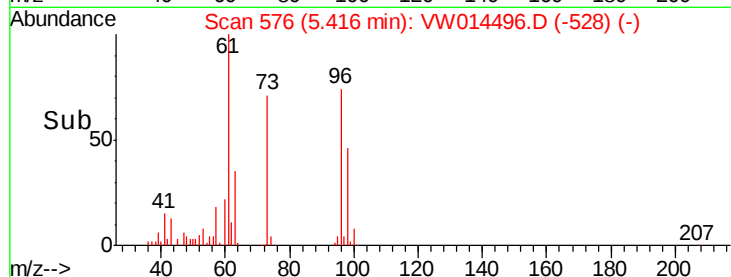
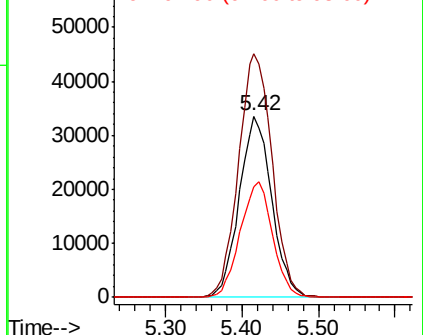
96 100

61 134.6 107.8 161.6

98 61.2 49.4 74.0



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



#22

Diisopropyl ether

Concen: 11.664 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Tgt Ion: 45 Resp: 267478

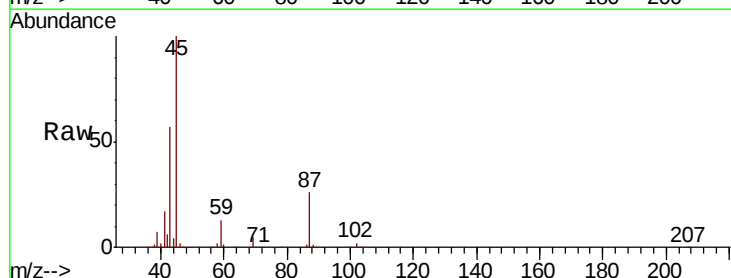
Ion Ratio Lower Upper

45 100

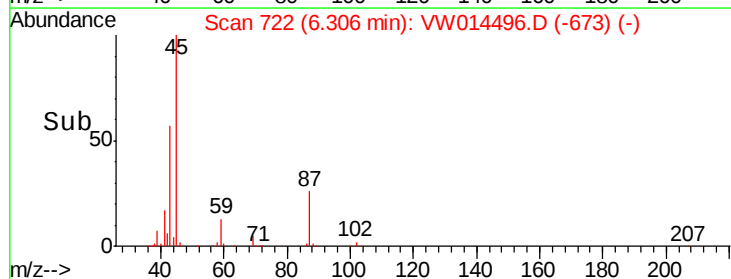
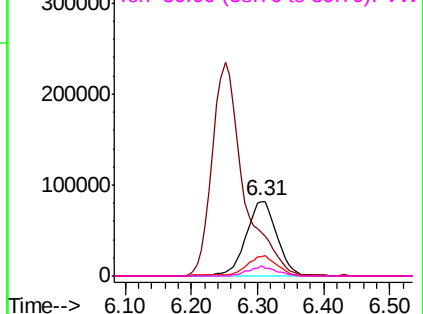
43 56.6 41.4 62.0

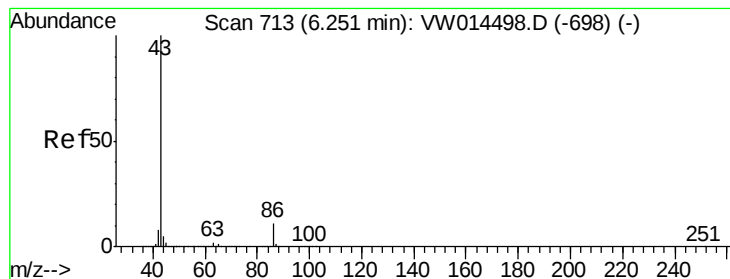
87 26.4 22.2 33.2

59 13.2 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 57.266 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

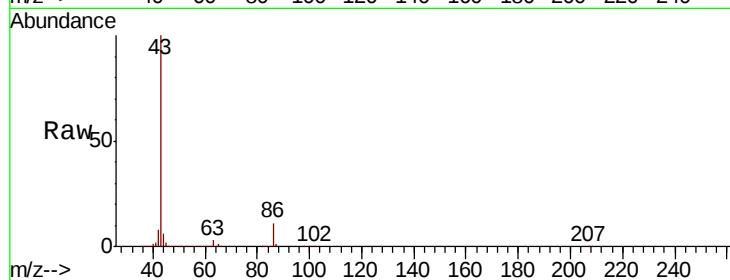
ClientSampled :

Tot Ion: 43 Resp: 776891

Ion Ratio Lower Upper

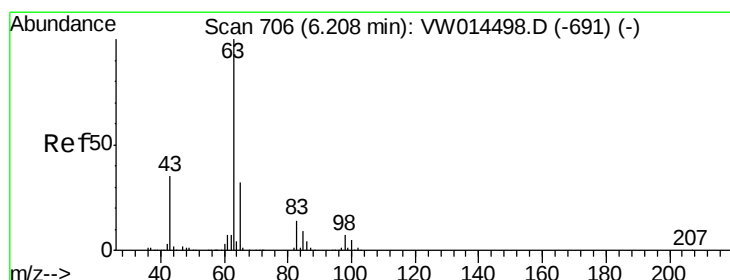
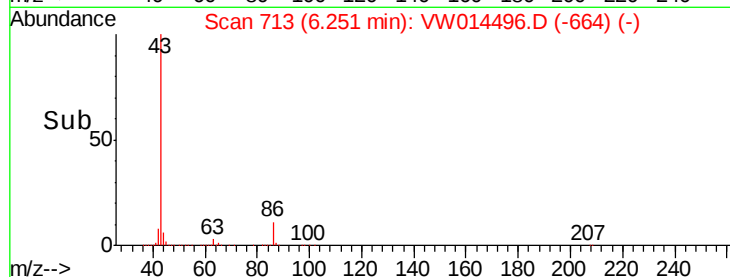
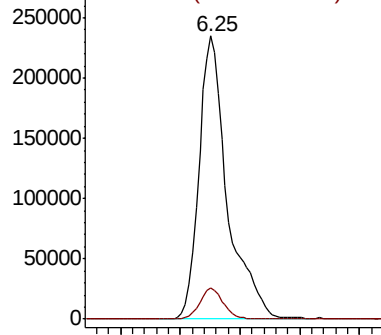
43 100

86 10.8 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: 11.627 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

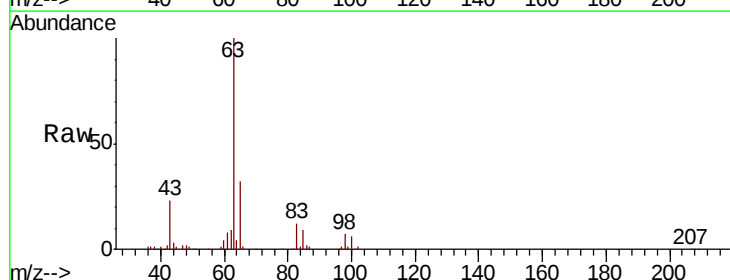
Tgt Ion: 63 Resp: 168395

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

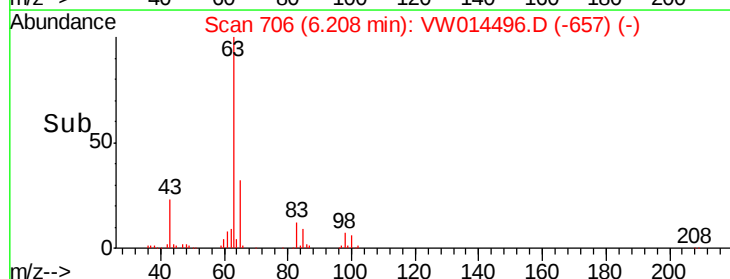
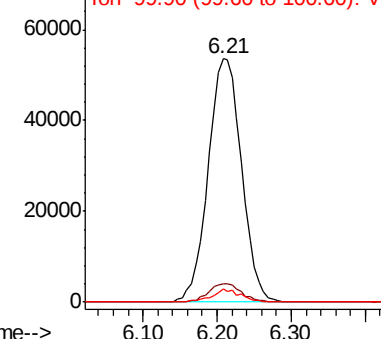
100 5.6 2.5 7.4

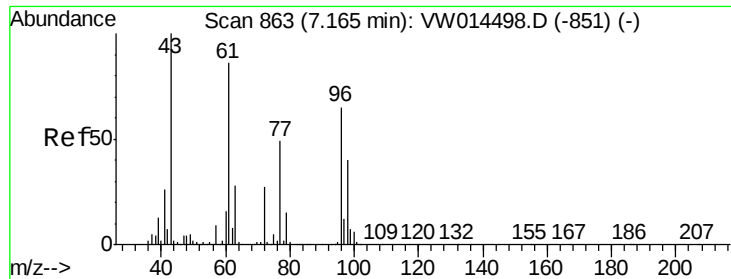


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 64.144 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

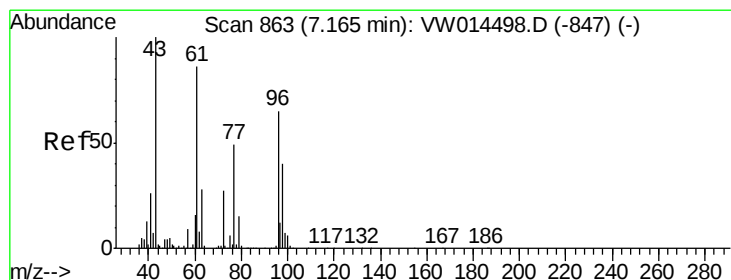
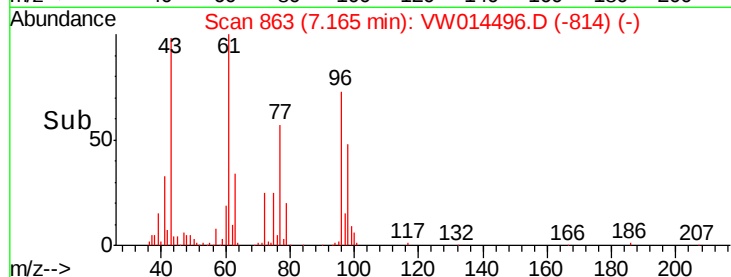
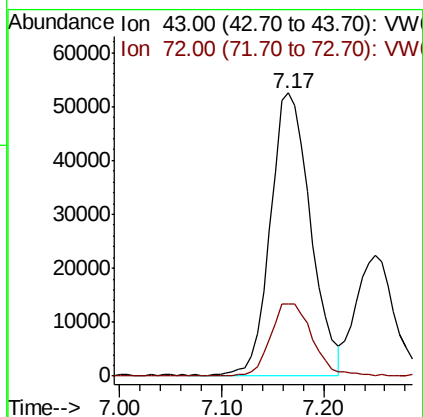
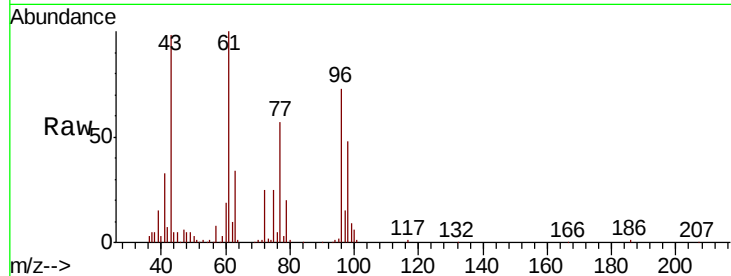
ClientSampled :

Tot Ion: 43 Resp: 142350

Ion Ratio Lower Upper

43 100

72 25.5 21.9 32.9



#26

2,2-Dichloropropane

Concen: 11.493 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014496.D

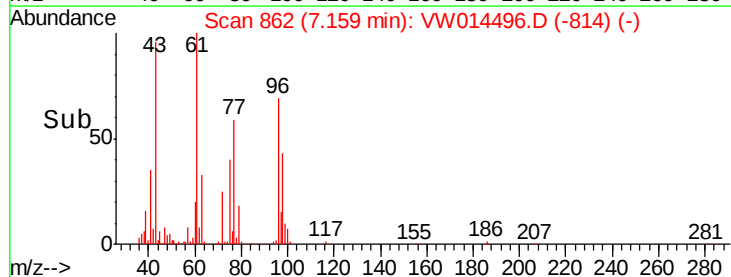
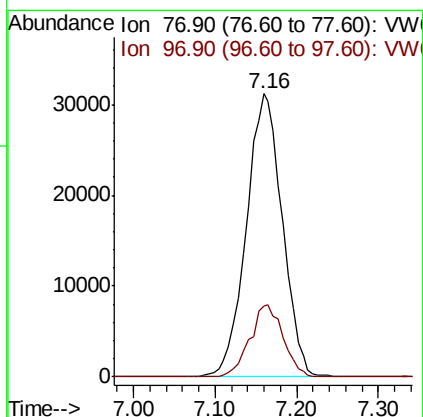
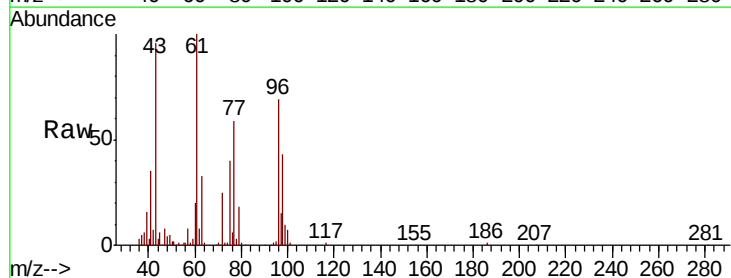
Acq: 03 Jan 2020 13:55

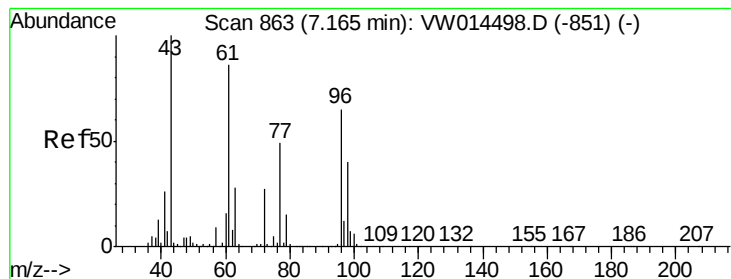
Tgt Ion: 77 Resp: 95462

Ion Ratio Lower Upper

77 100

97 23.4 12.5 37.5



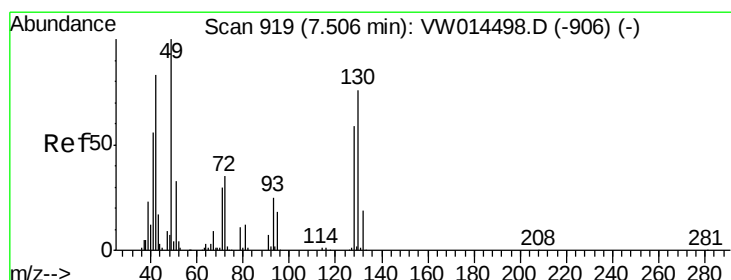
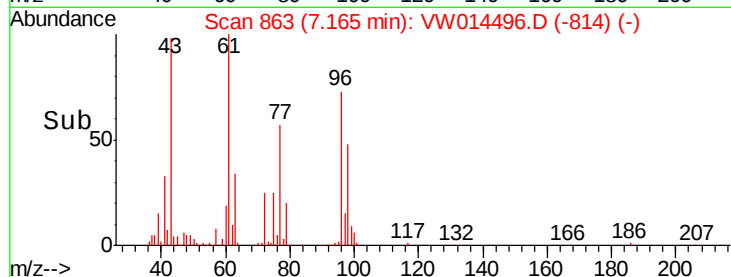
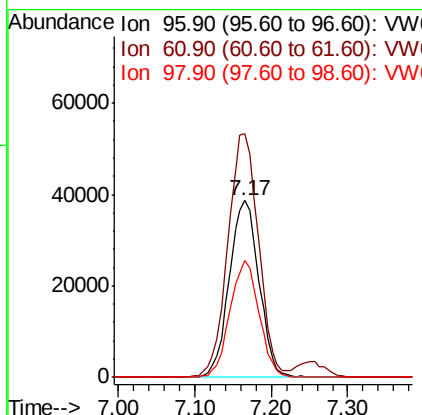
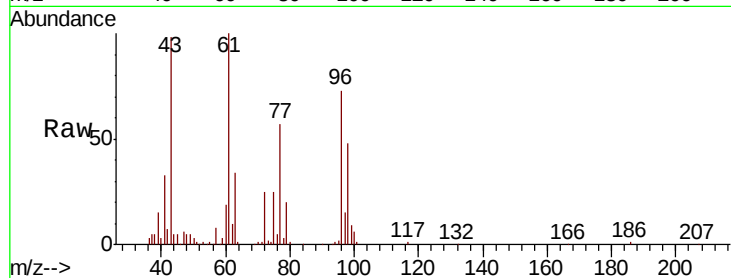


#27

cis-1,2-Dichloroethene
 Concen: 11.218 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Instrument :
 MSVOA_W
 ClientSampled :

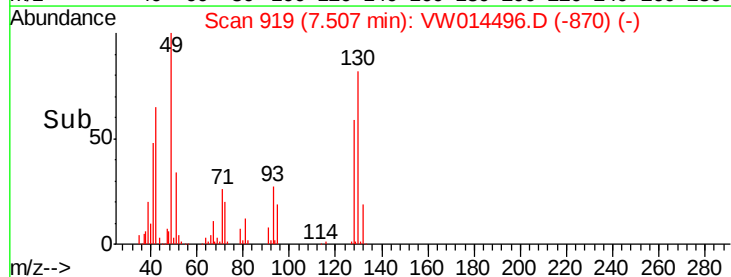
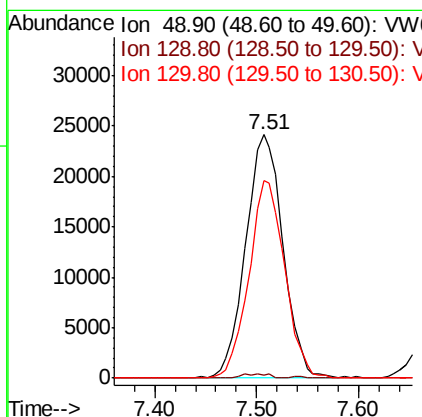
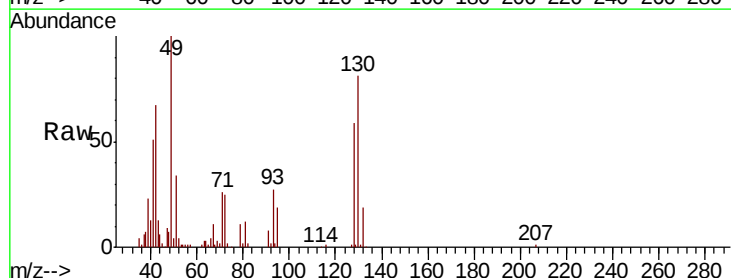
Tot Ion: 96 Resp: 103873
 Ion Ratio Lower Upper
 96 100
 61 142.0 0.0 274.8
 98 64.5 0.0 128.6

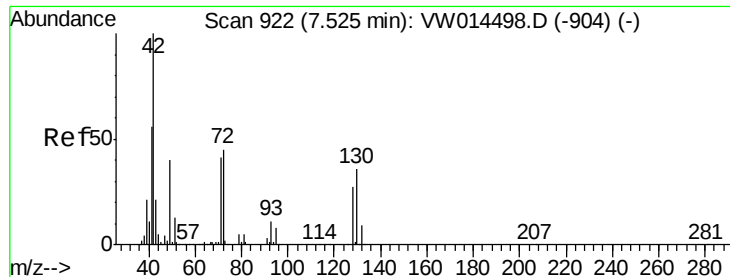


#28

Bromochloromethane
 Concen: 12.613 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Tgt Ion: 49 Resp: 61284
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 2.0
 130 78.1 62.5 93.7





#29

Tetrahydrofuran

Concen: 65.190 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

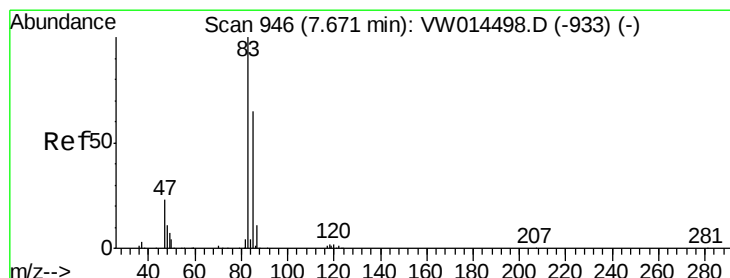
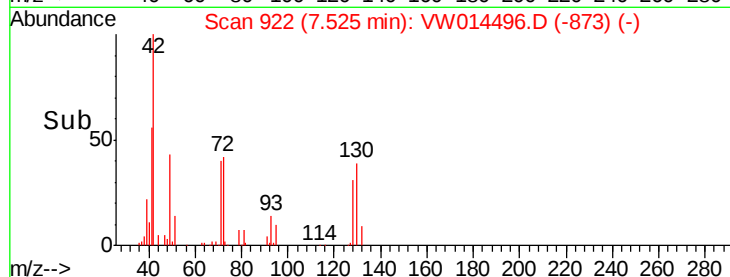
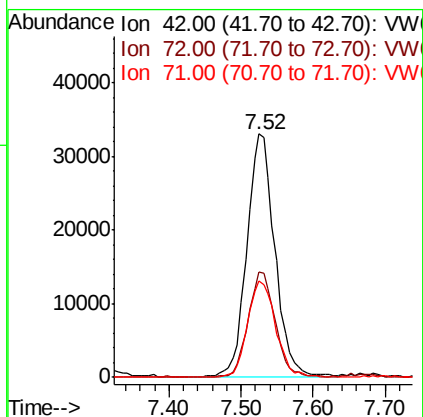
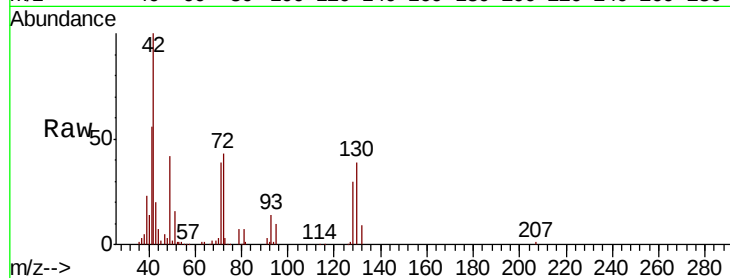
Tot Ion: 42 Resp: 89671

Ion Ratio Lower Upper

42 100

72 41.7 34.5 51.7

71 39.5 32.0 48.0



#30

Chloroform

Concen: 11.072 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014496.D

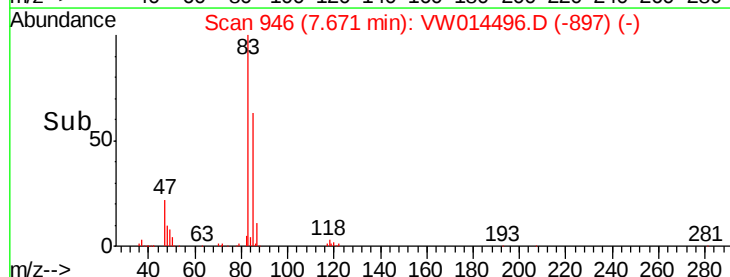
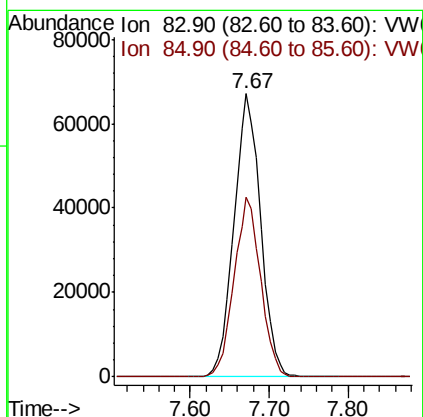
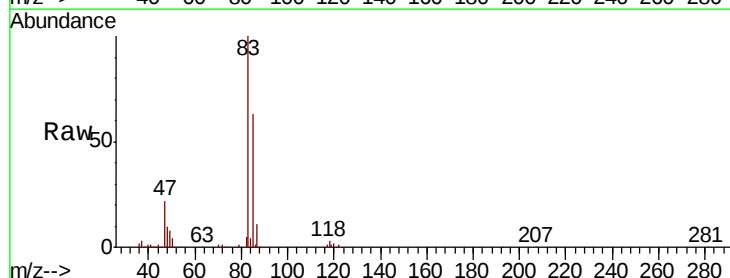
Acq: 03 Jan 2020 13:55

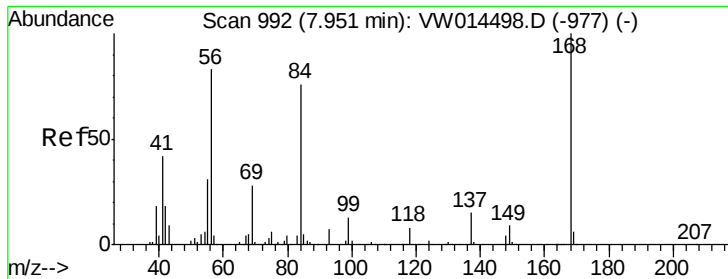
Tgt Ion: 83 Resp: 157495

Ion Ratio Lower Upper

83 100

85 63.4 52.2 78.2

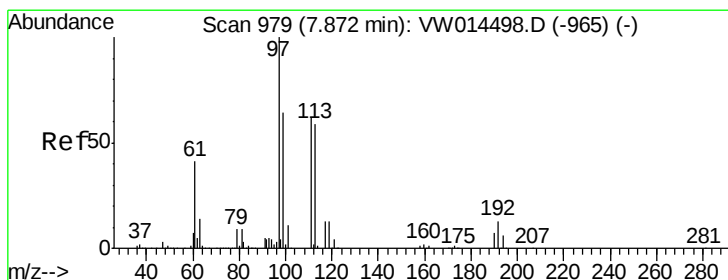
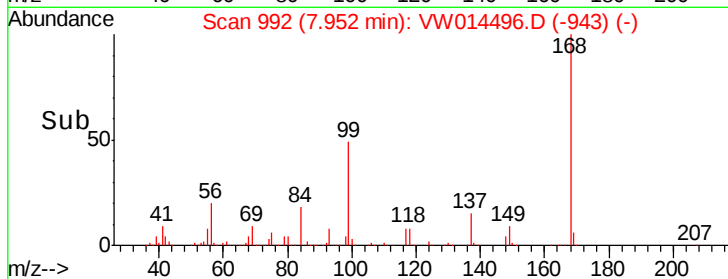
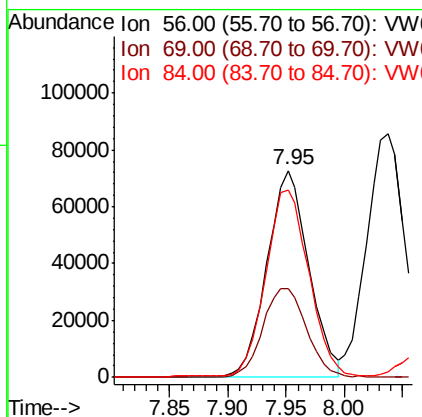
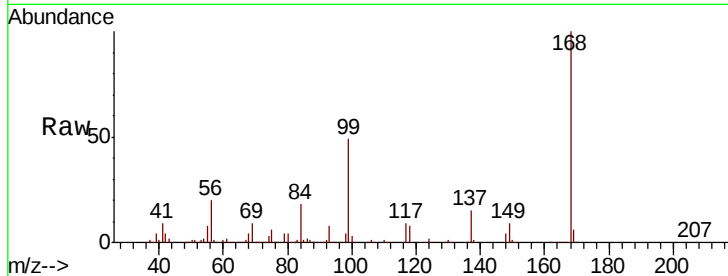




#31
Cyclohexane
Concen: 11.952 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

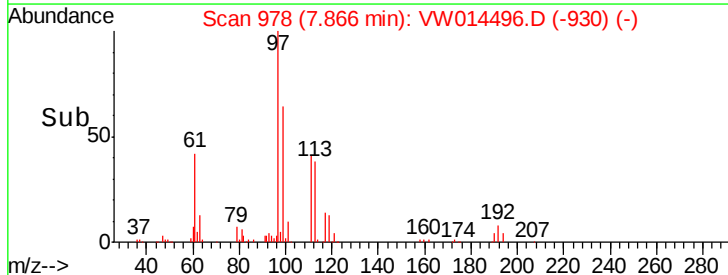
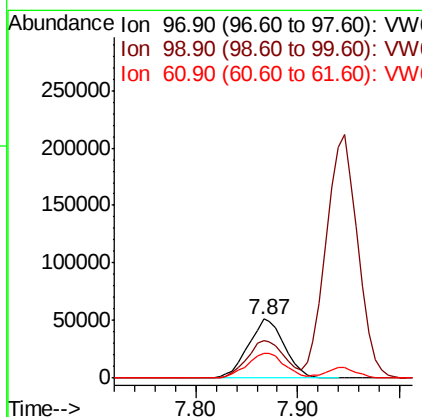
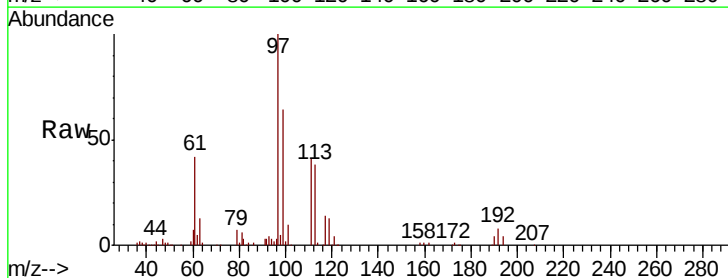
Instrument :
MSVOA_W
ClientSampled :

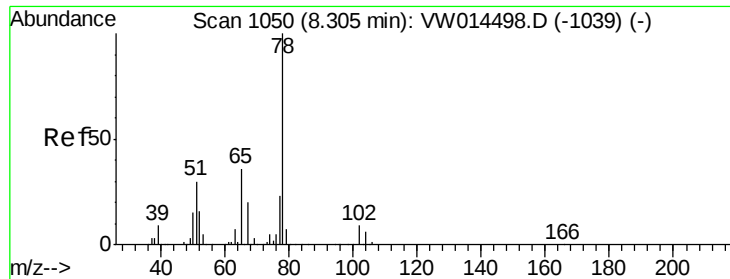
Tot Ion: 56 Resp: 181002
Ion Ratio Lower Upper
56 100
69 42.8 26.8 40.2#
84 89.7 71.8 107.6



#32
1,1,1-Trichloroethane
Concen: 11.373 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 97 Resp: 127413
Ion Ratio Lower Upper
97 100
99 65.8 51.8 77.6
61 42.9 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 11.703 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

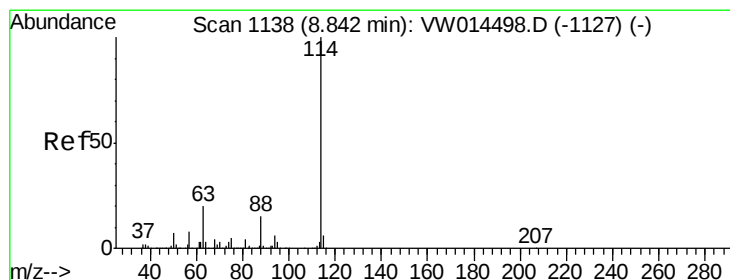
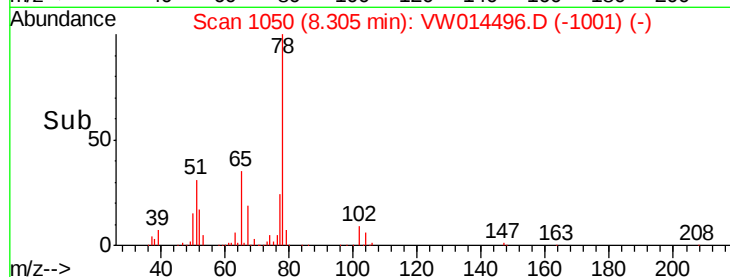
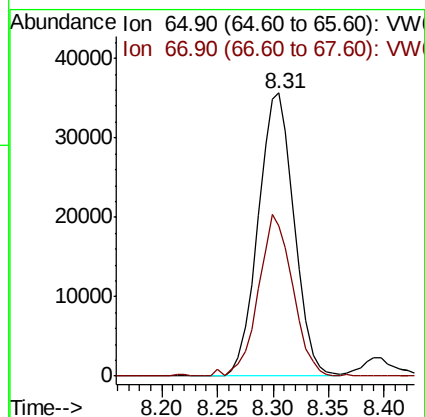
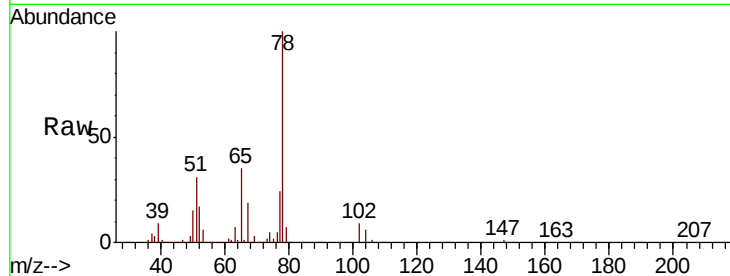
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 79960

Ion Ratio Lower Upper

65 100

67 55.0 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: VW014496.D

Acq: 03 Jan 2020 13:55

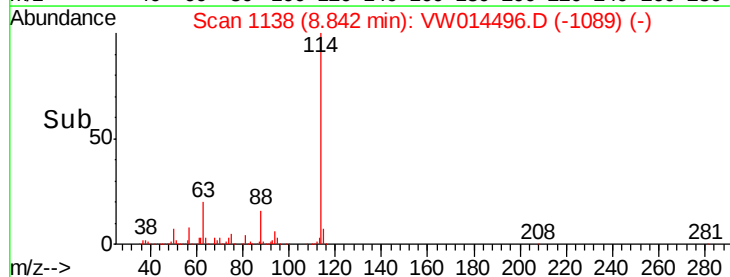
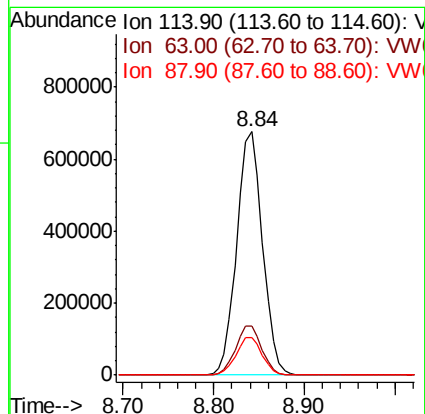
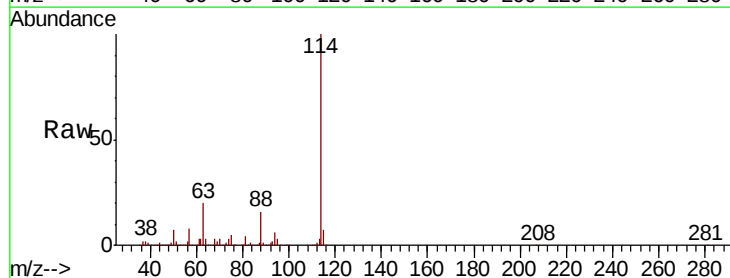
Tgt Ion: 114 Resp: 1335596

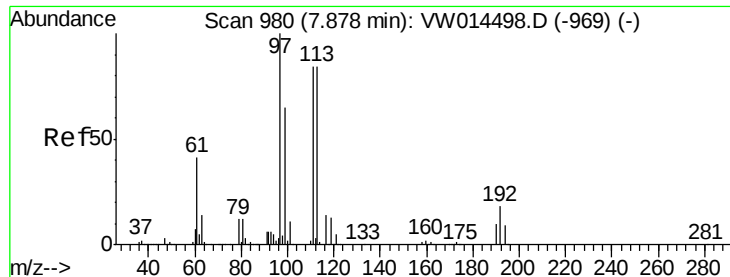
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.4

88 15.6 0.0 30.6

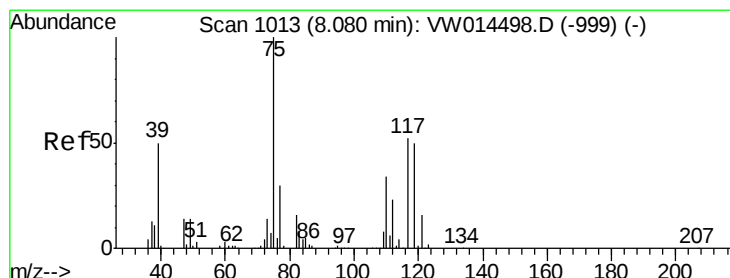
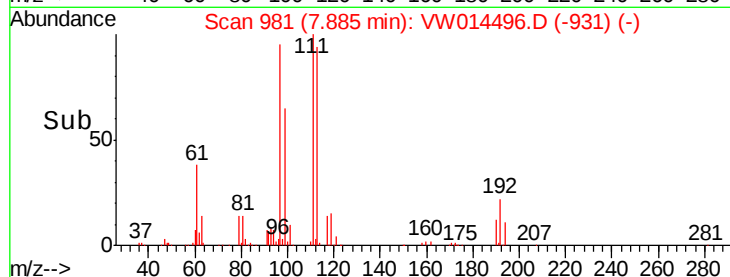
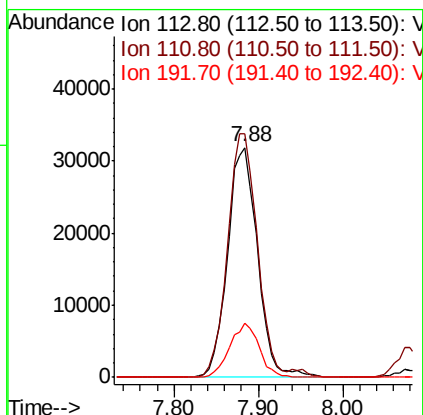
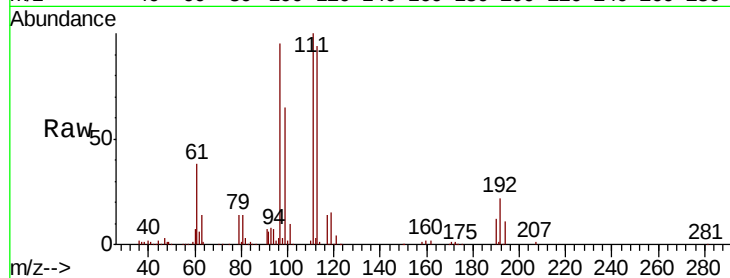




#35
 Dibromofluoromethane
 Concen: 10.443 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

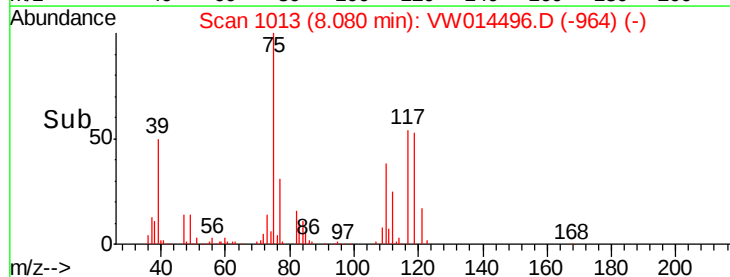
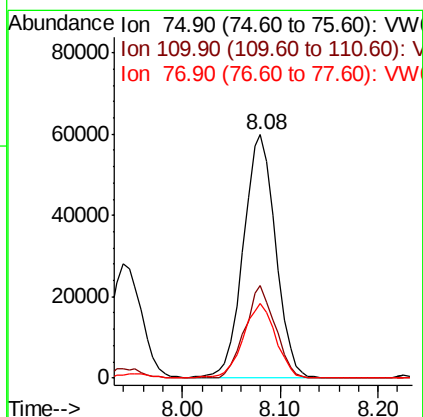
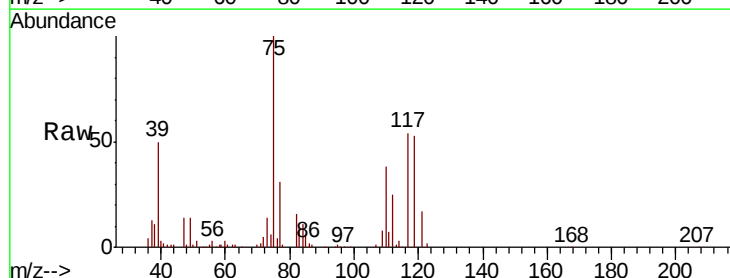
Instrument :
 MSVOA_W
 ClientSampleId :

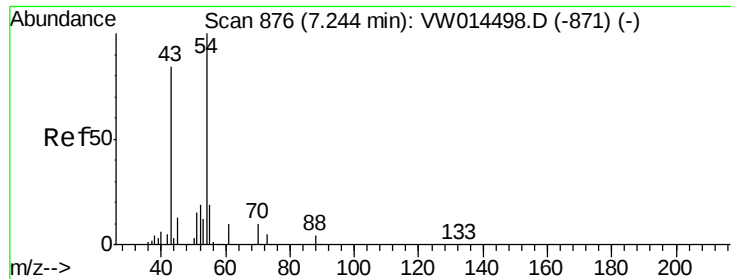
Tot Ion:113 Resp: 77061
 Ion Ratio Lower Upper
 113 100
 111 104.6 81.4 122.2
 192 23.0 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 10.864 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Tgt Ion: 75 Resp: 136078
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.8 53.5
 77 31.3 24.7 37.1

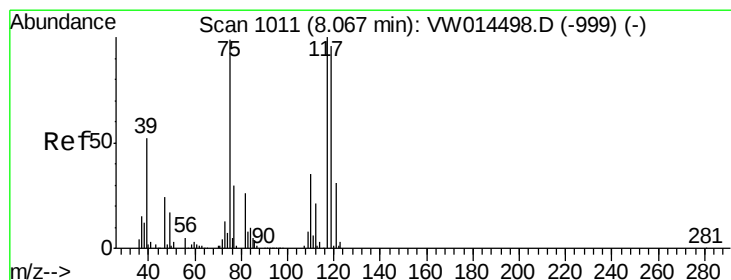
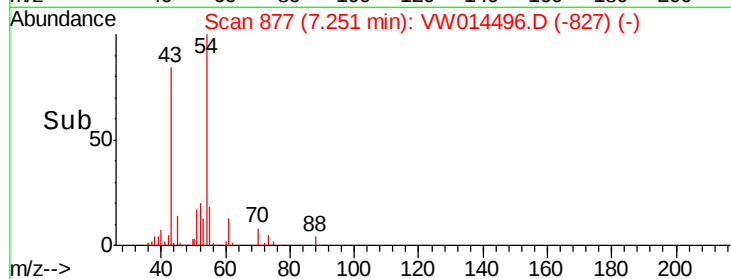
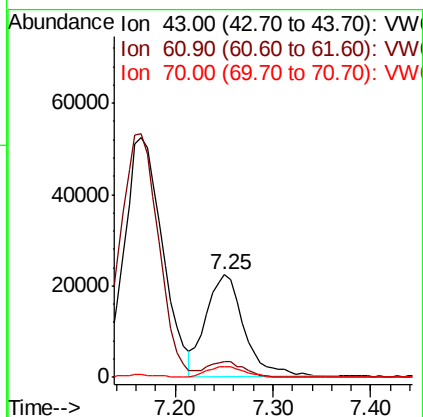
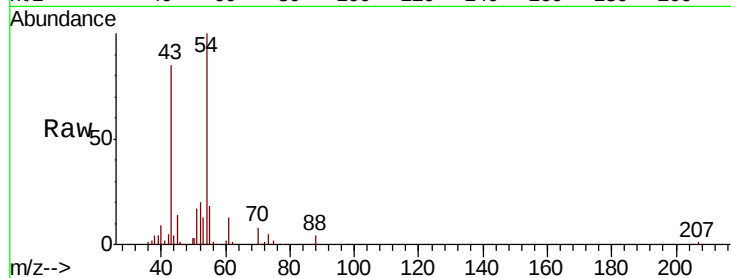




#37
Ethyl Acetate
Concen: 11.873 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

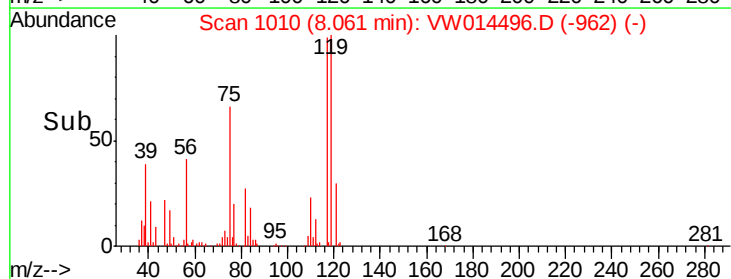
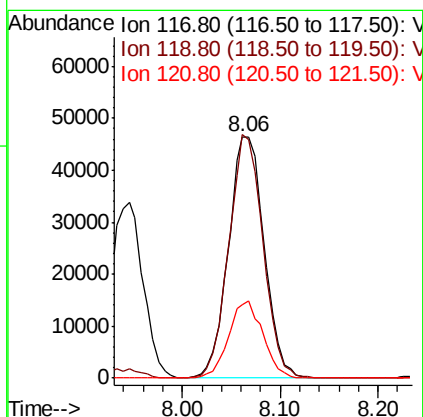
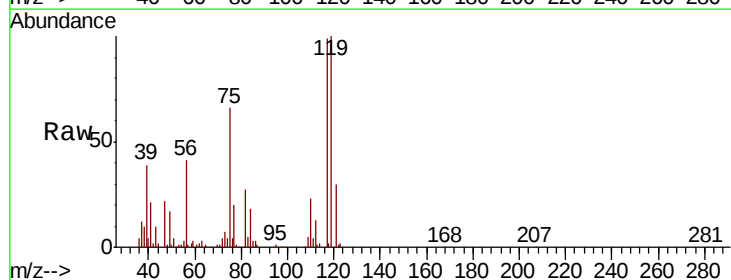
Instrument :
MSVOA_W
ClientSampleId :

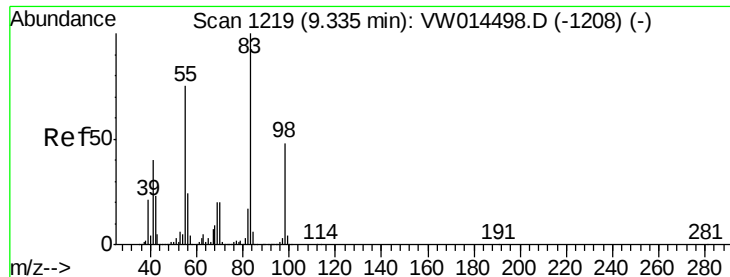
Tot Ion: 43 Resp: 60286
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 10.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 10.502 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 117 Resp: 117729
Ion Ratio Lower Upper
117 100
119 100.7 77.0 115.6
121 30.4 24.6 36.8

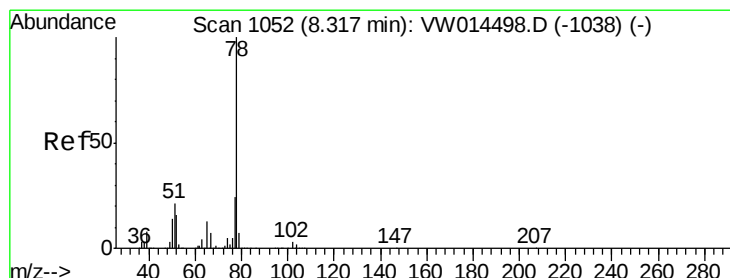
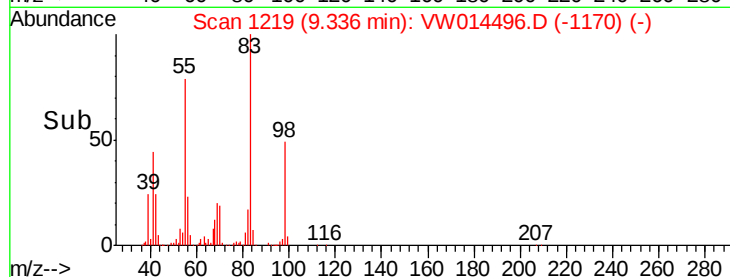
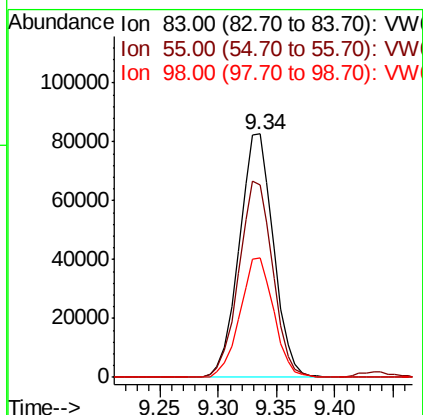
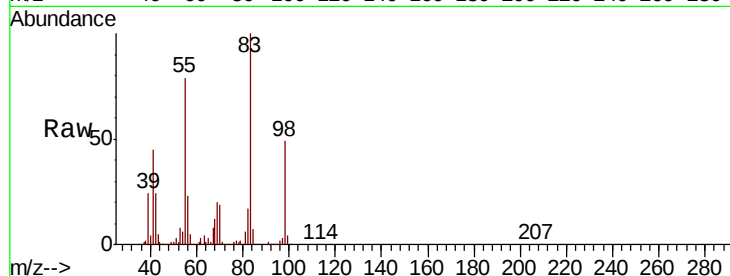




#39
Methylcyclohexane
Concen: 10.569 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

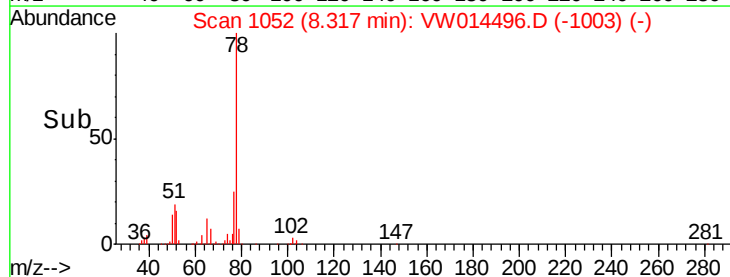
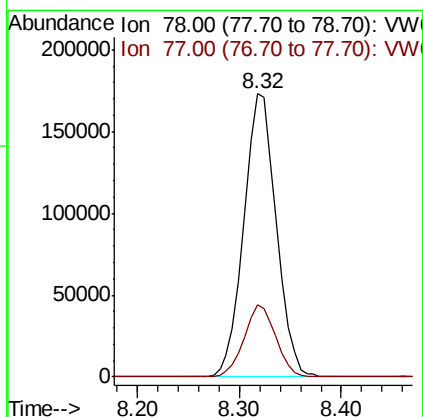
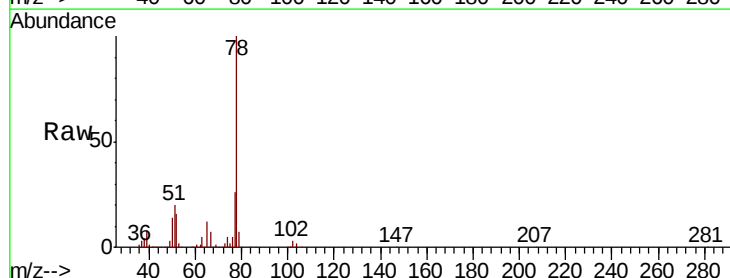
Instrument :
MSVOA_W
ClientSampled :

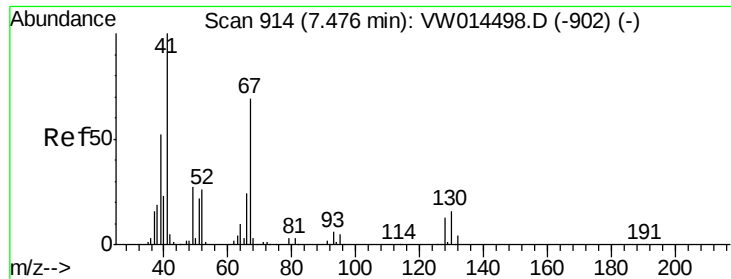
Tot Ion: 83 Resp: 170170
Ion Ratio Lower Upper
83 100
55 79.0 60.1 90.1
98 49.1 38.8 58.2



#40
Benzene
Concen: 10.838 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 78 Resp: 383634
Ion Ratio Lower Upper
78 100
77 25.6 19.3 28.9

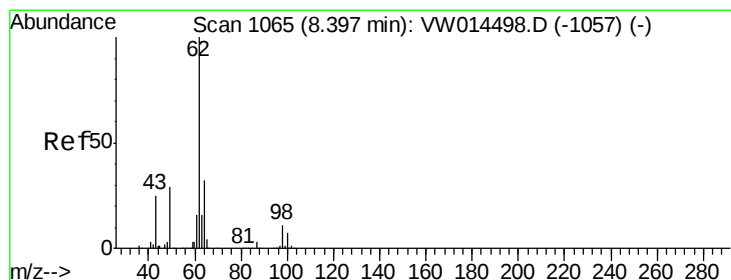
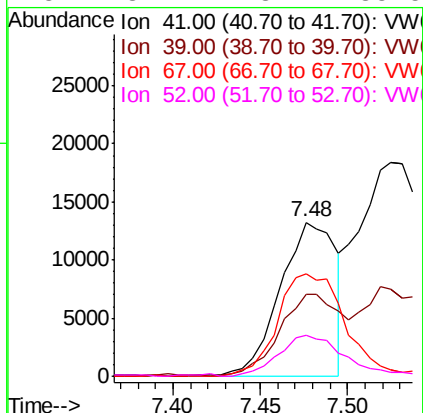
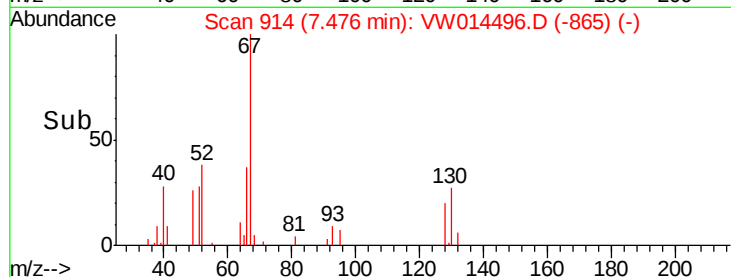
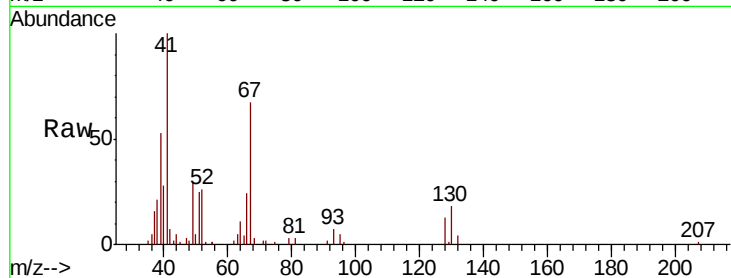




#41
Methacrylonitrile
Concen: 9.511 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

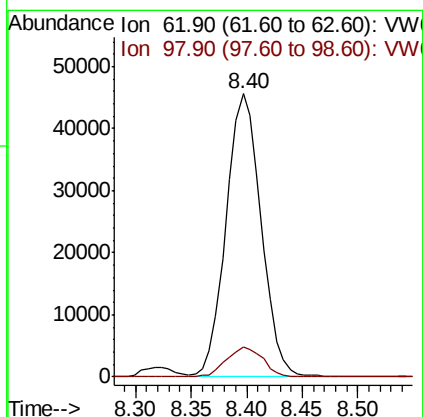
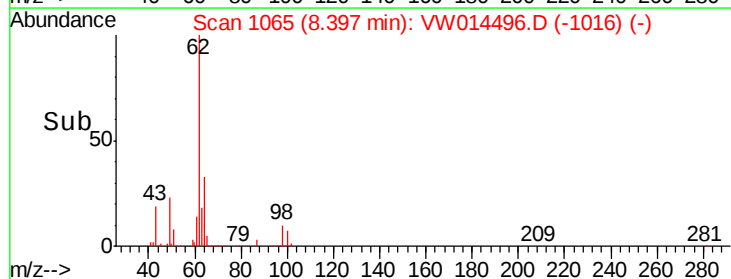
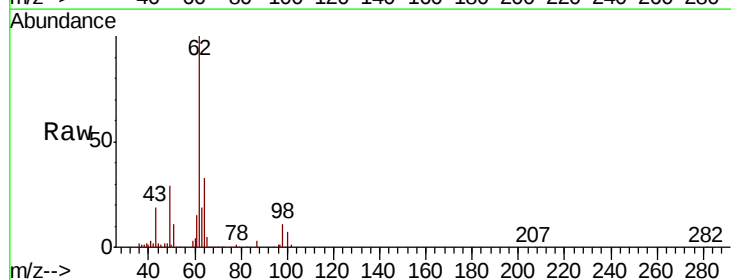
Instrument :
MSVOA_W
ClientSampleId :

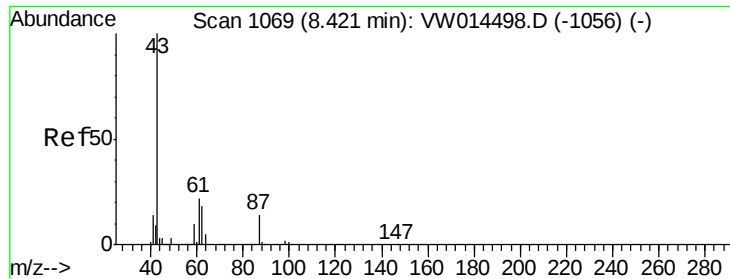
Tot Ion:	41	Resp:	29543
Ion	Ratio	Lower	Upper
41	100		
39	58.5	46.0	69.0
67	80.4	60.8	91.2
52	31.4	23.7	35.5



#42
1,2-Dichloroethane
Concen: 11.074 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion:	62	Resp:	99598
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.0





#43

Isopropyl Acetate

Concen: 11.252 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

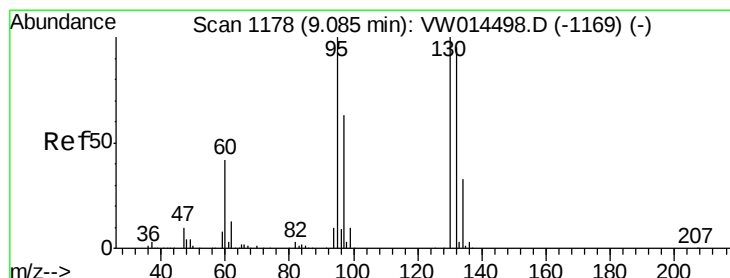
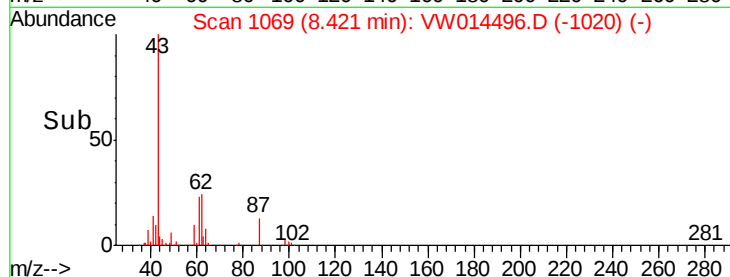
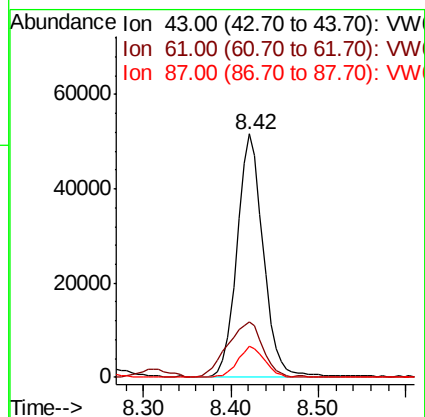
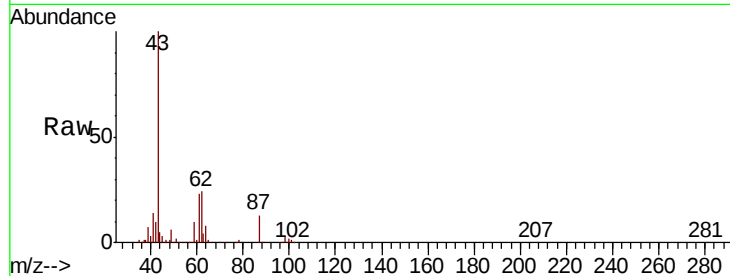
Tot Ion: 43 Resp: 107179

Ion Ratio Lower Upper

43 100

61 30.3 24.7 37.1

87 13.3 11.1 16.7



#44

Trichloroethene

Concen: 10.206 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014496.D

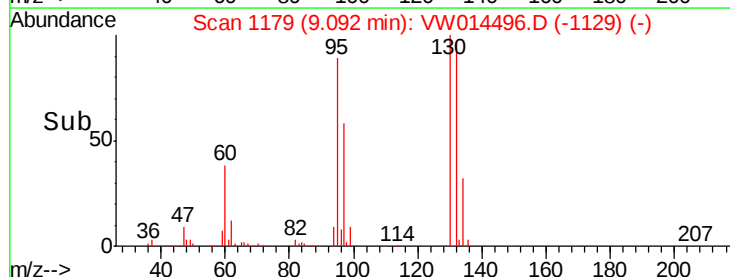
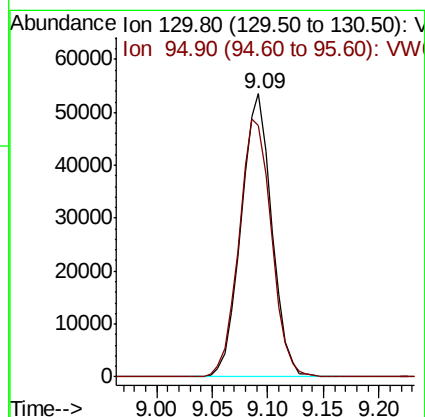
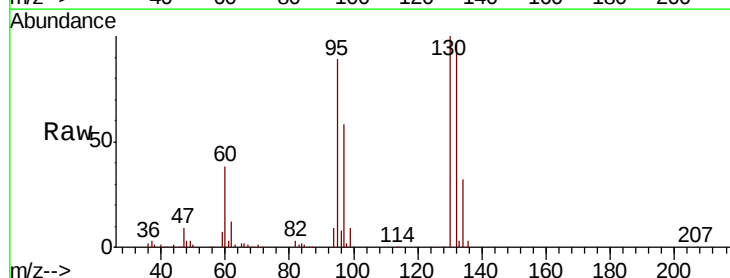
Acq: 03 Jan 2020 13:55

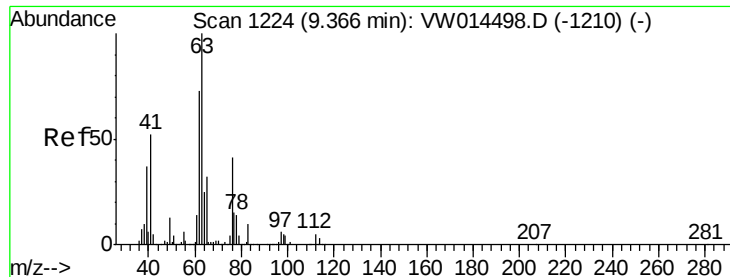
Tgt Ion: 130 Resp: 102264

Ion Ratio Lower Upper

130 100

95 88.8 0.0 199.4





#45

1,2-Dichloropropane

Concen: 11.130 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

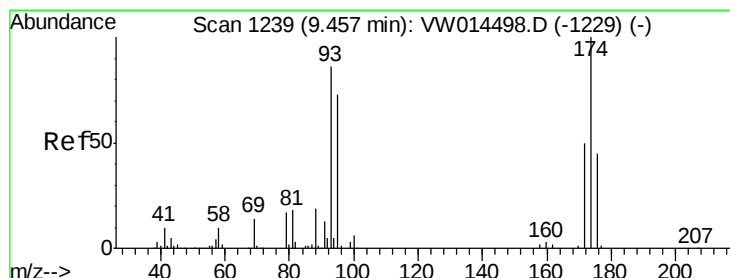
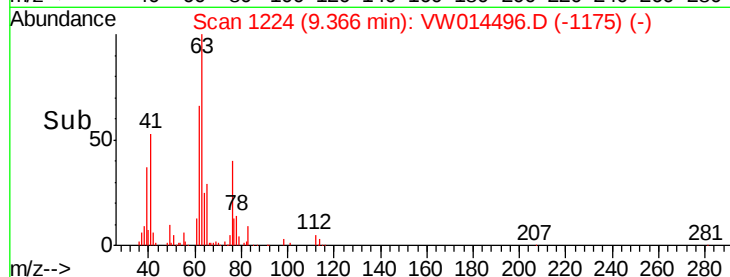
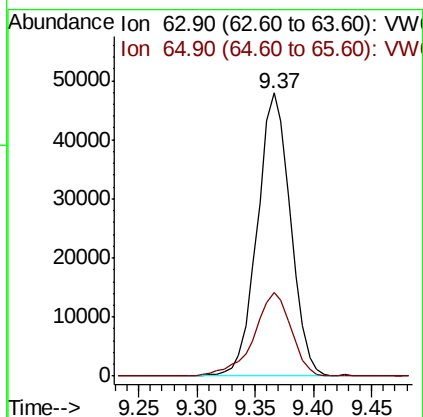
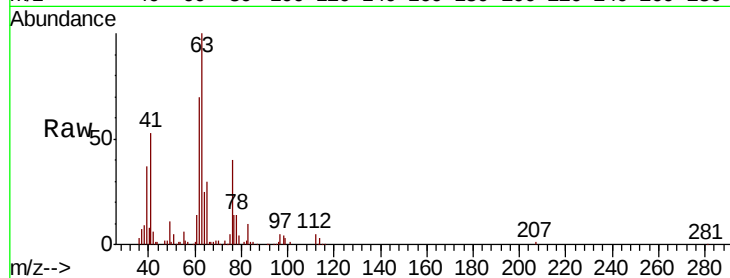
ClientSampled :

Tot Ion: 63 Resp: 94553

Ion Ratio Lower Upper

63 100

65 29.6 25.6 38.4



#46

Dibromomethane

Concen: 10.957 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

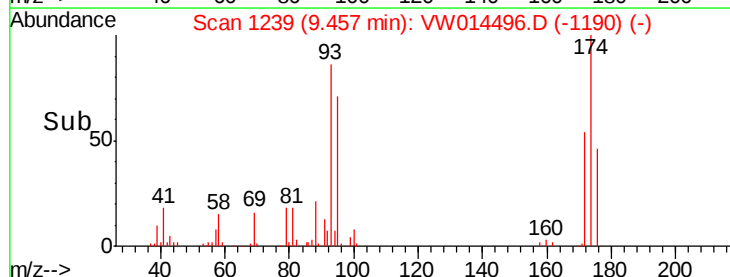
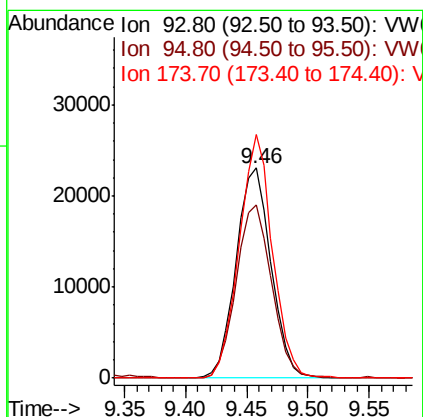
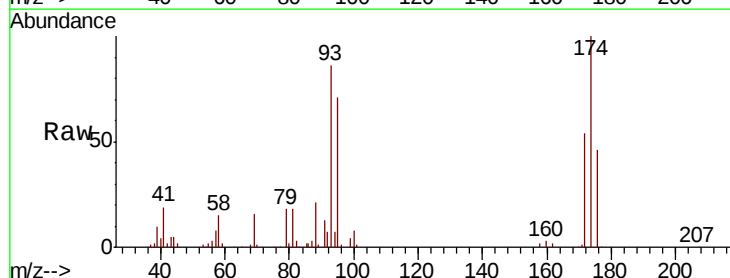
Tgt Ion: 93 Resp: 45667

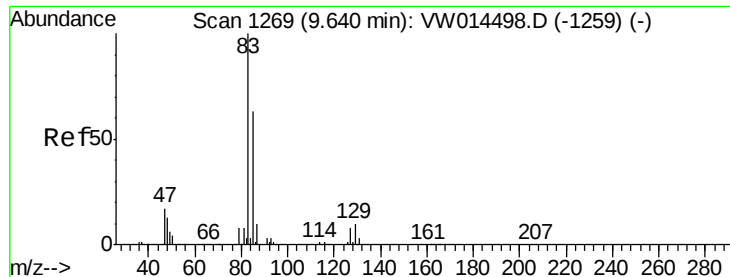
Ion Ratio Lower Upper

93 100

95 83.6 66.4 99.6

174 110.6 89.1 133.7





#47

Bromodichloromethane

Concen: 10.526 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

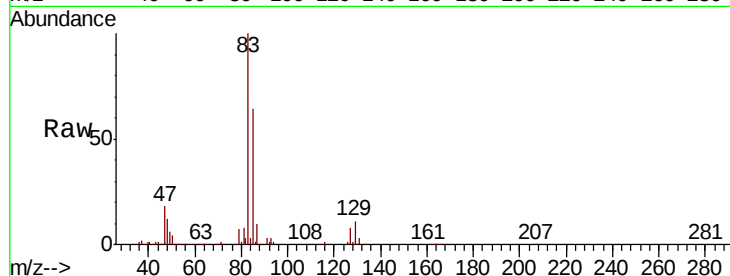
Tot Ion: 83 Resp: 111923

Ion Ratio Lower Upper

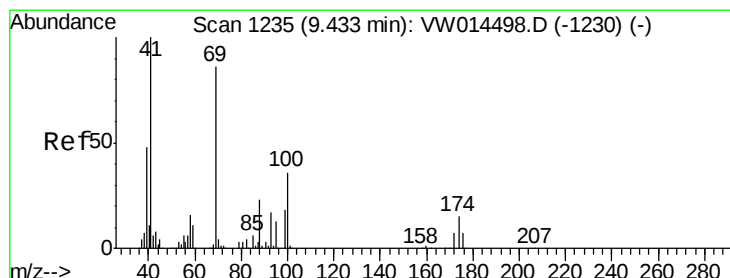
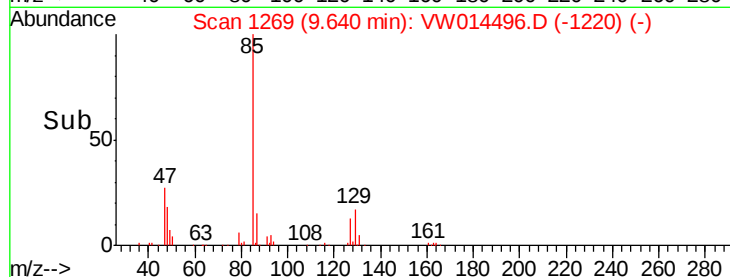
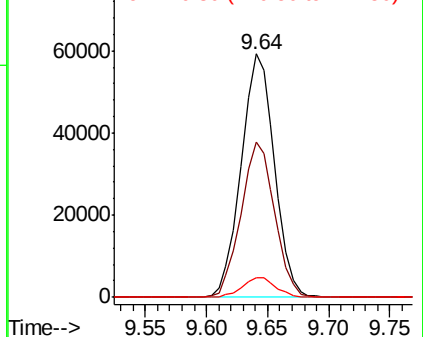
83 100

85 64.0 50.6 76.0

127 8.1 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: 10.770 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

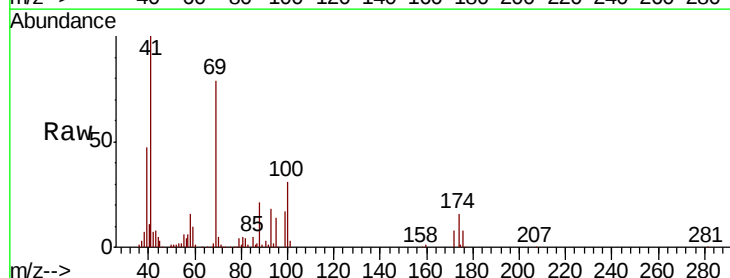
Tgt Ion: 41 Resp: 50658

Ion Ratio Lower Upper

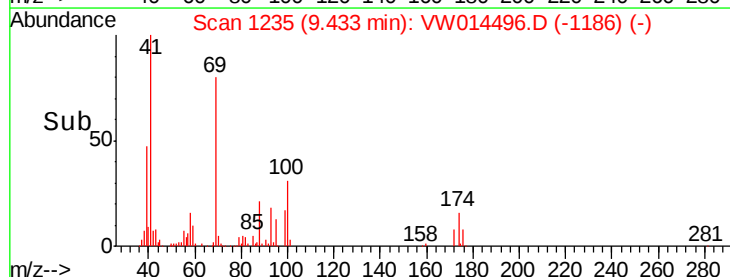
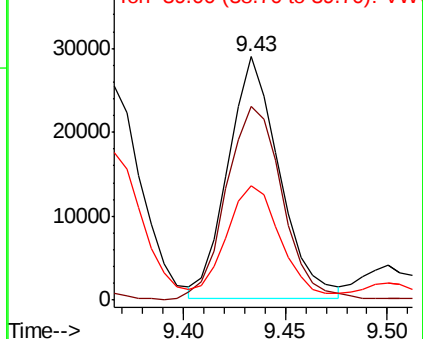
41 100

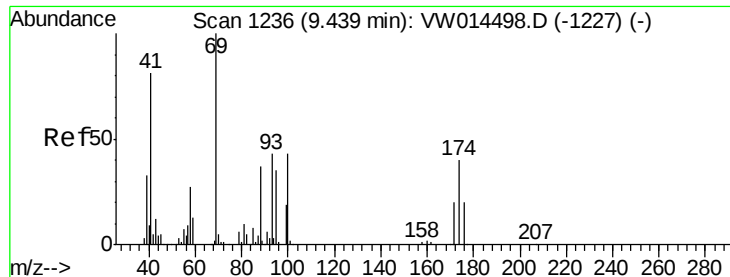
69 86.8 68.3 102.5

39 44.7 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: 259.905 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :
MSVOA_W
ClientSampleId :

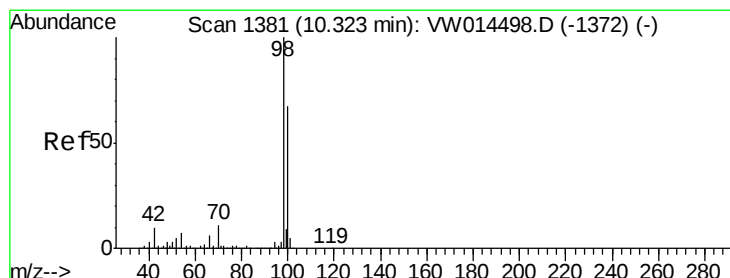
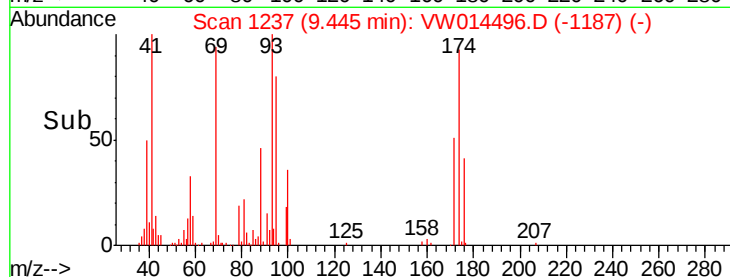
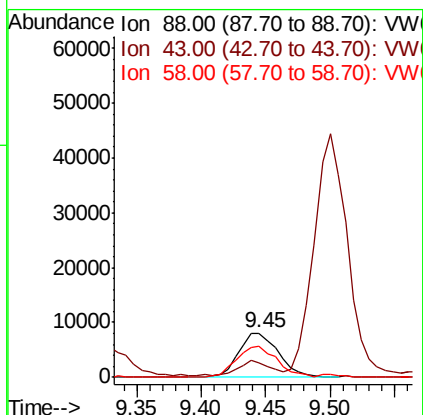
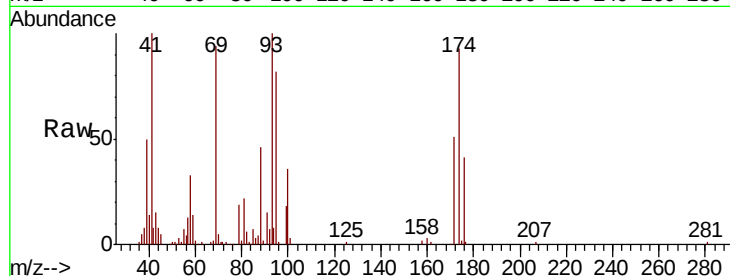
Tot Ion: 88 Resp: 17245

Ion Ratio Lower Upper

88 100

43 27.0 24.9 37.3

58 74.1 56.9 85.3



#50

Toluene-d8

Concen: 10.794 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014496.D

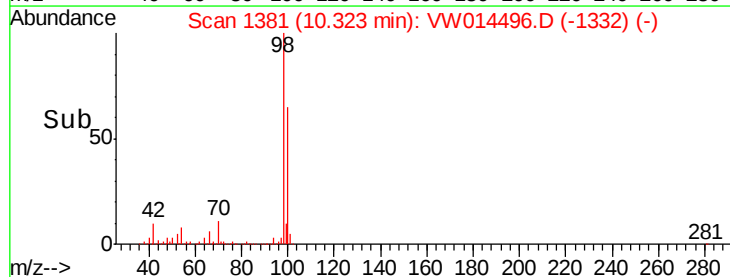
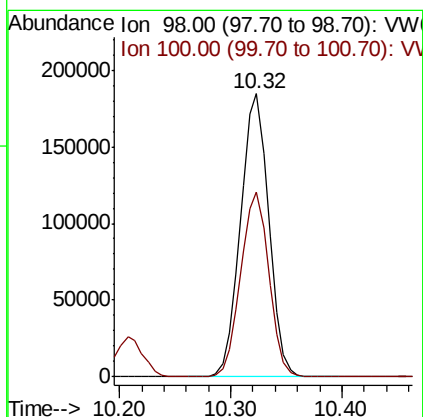
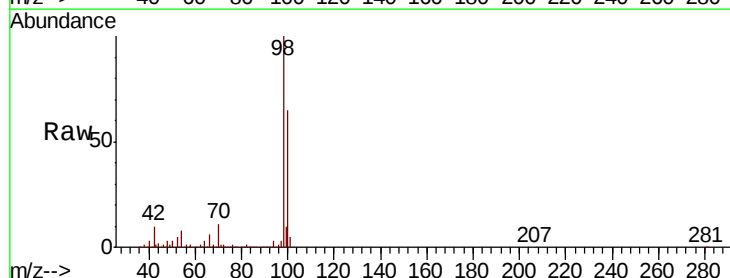
Acq: 03 Jan 2020 13:55

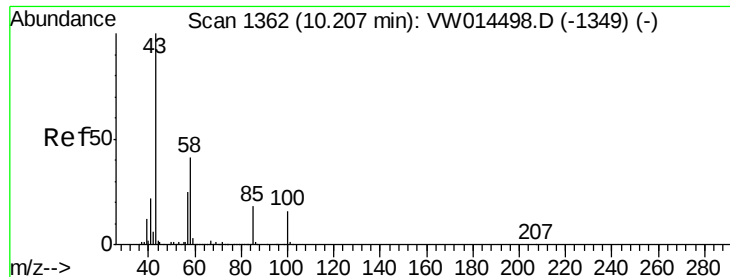
Tgt Ion: 98 Resp: 324694

Ion Ratio Lower Upper

98 100

100 65.0 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 57.816 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

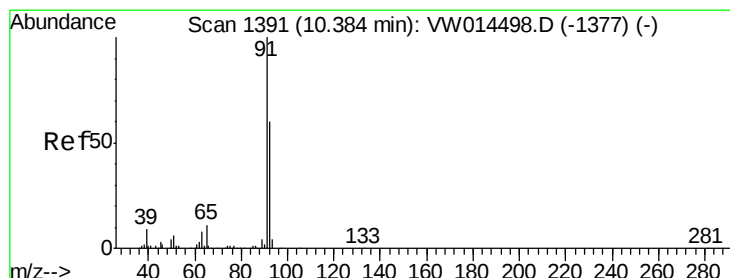
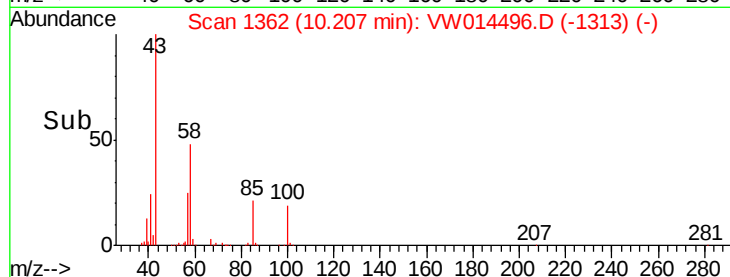
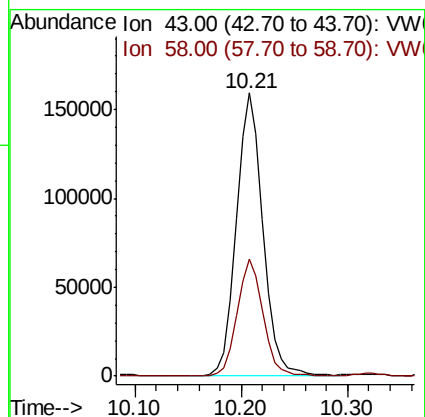
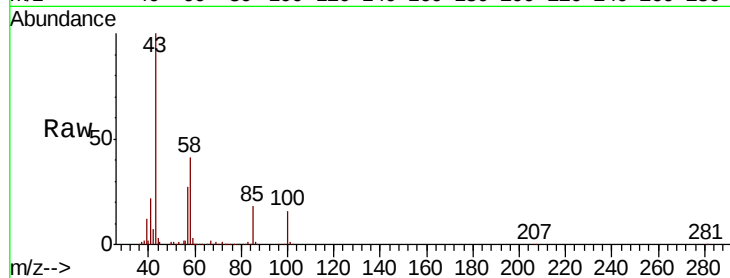
ClientSampleId :

Tot Ion: 43 Resp: 278178

Ion Ratio Lower Upper

43 100

58 40.5 32.7 49.1



#52

Toluene

Concen: 10.549 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014496.D

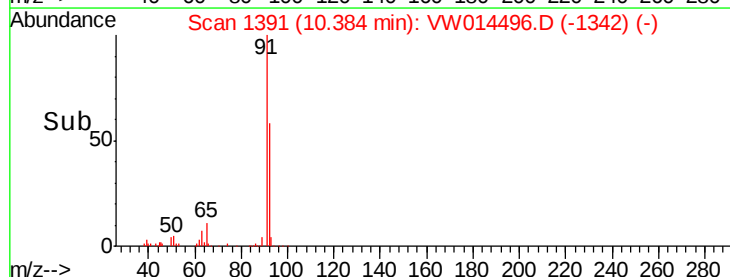
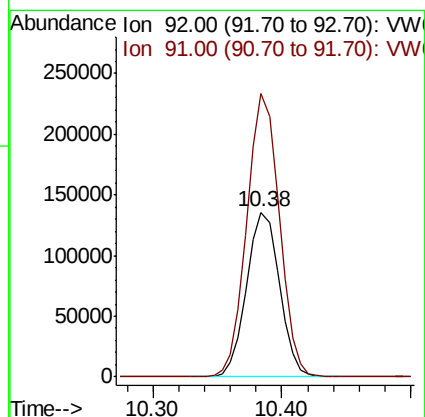
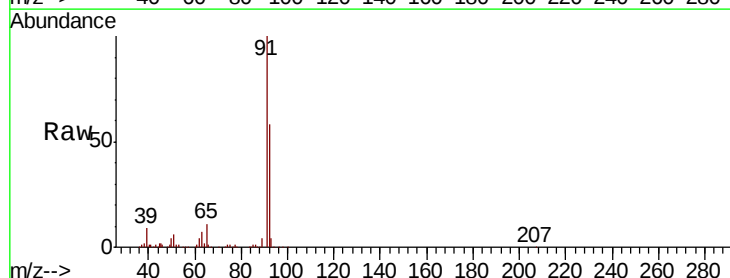
Acq: 03 Jan 2020 13:55

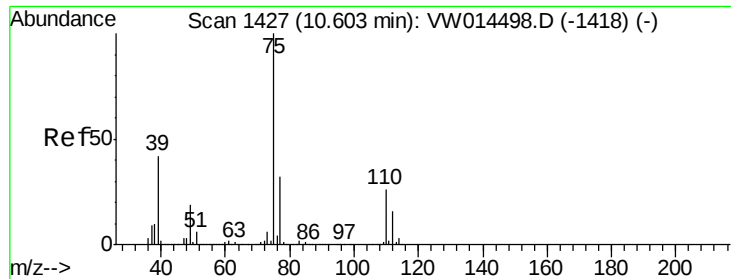
Tgt Ion: 92 Resp: 239870

Ion Ratio Lower Upper

92 100

91 169.9 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 10.348 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

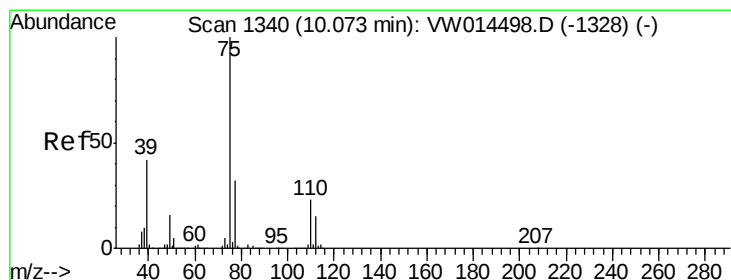
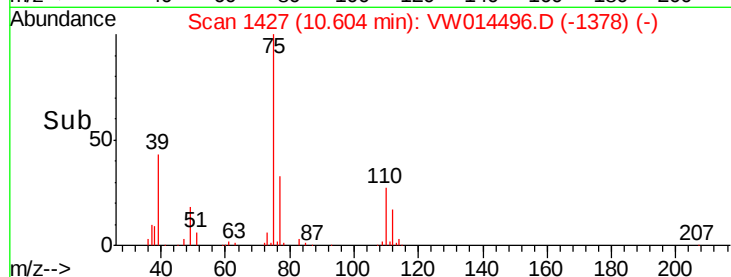
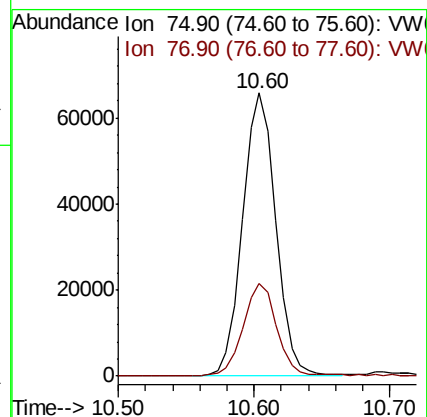
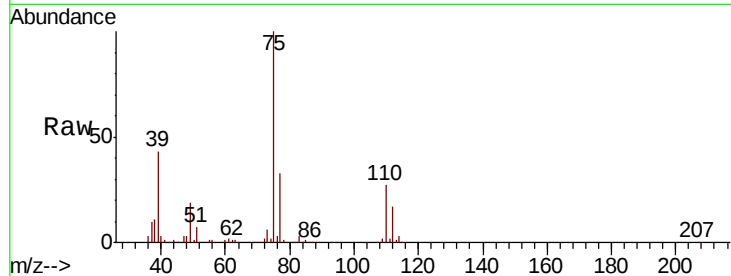
ClientSampleId :

Tot Ion: 75 Resp: 112178

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 10.540 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

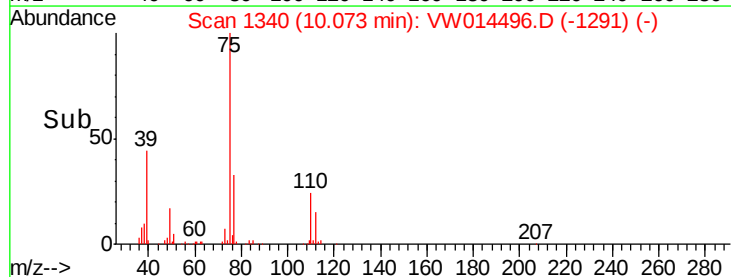
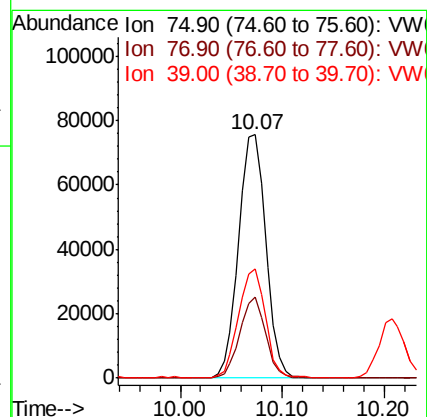
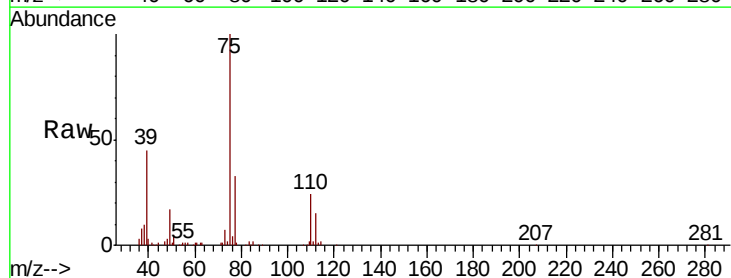
Tgt Ion: 75 Resp: 140421

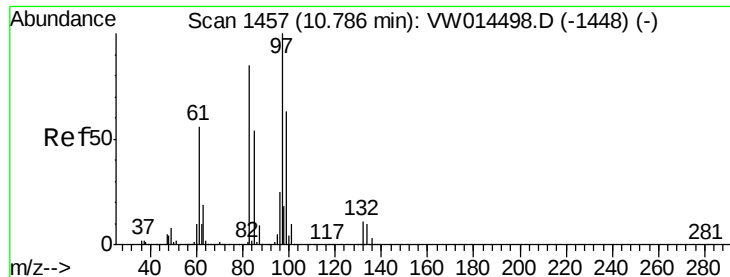
Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0

39 44.7 33.4 50.2

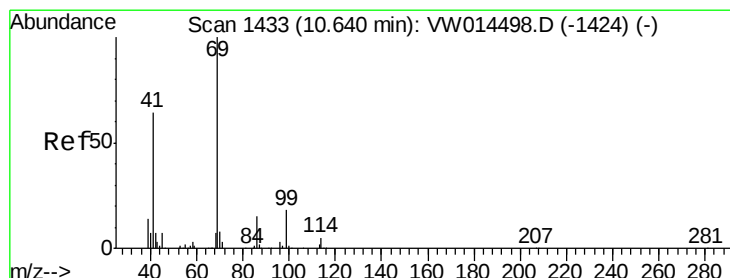
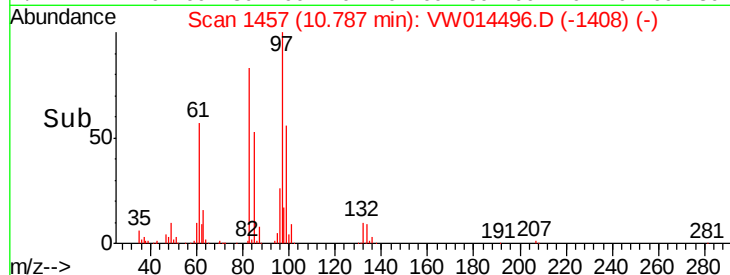
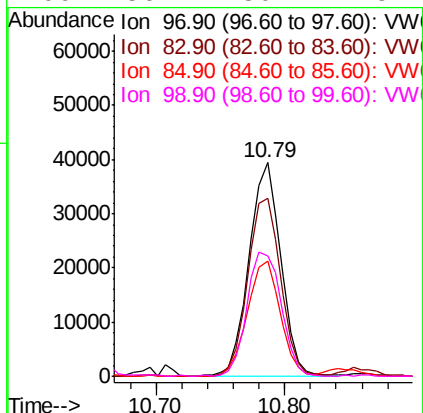
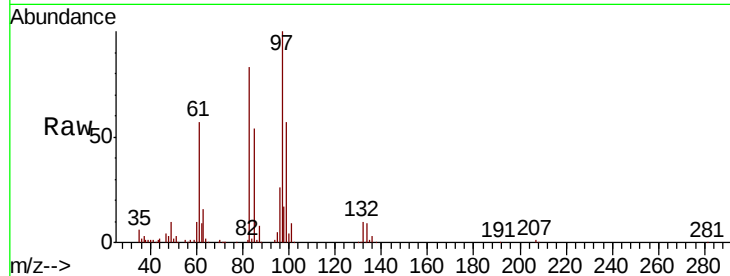




#55
 1,1,2-Trichloroethane
 Concen: 10.735 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

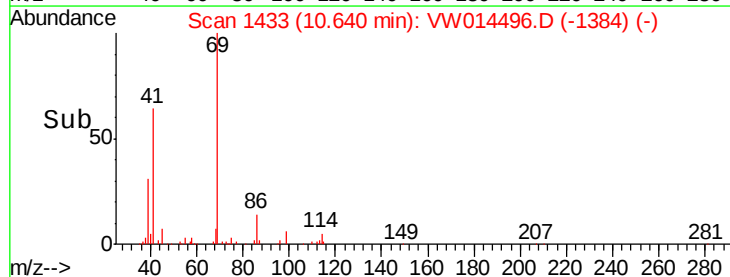
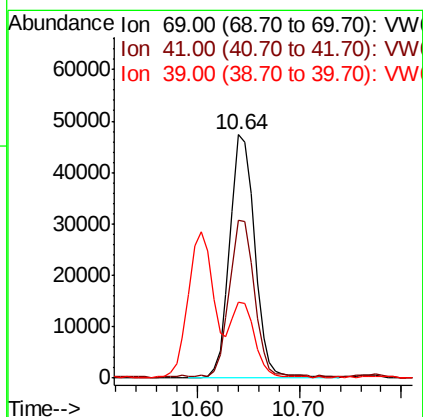
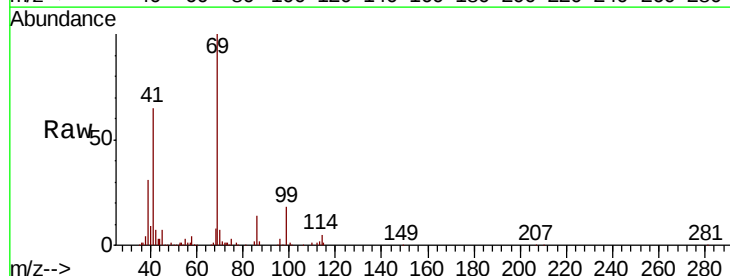
Instrument :
 MSVOA_W
 ClientSampleId :

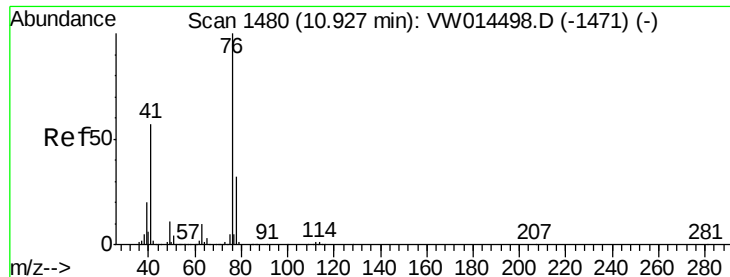
Tot Ion:	97	Resp:	66601
Ion	Ratio	Lower	Upper
97	100		
83	83.0	68.2	102.4
85	53.9	43.0	64.4
99	56.7	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 10.245 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Tgt Ion:	69	Resp:	80620
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.3	76.9
39	28.5	21.0	31.6





#57

1,3-Dichloropropane

Concen: 11.035 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

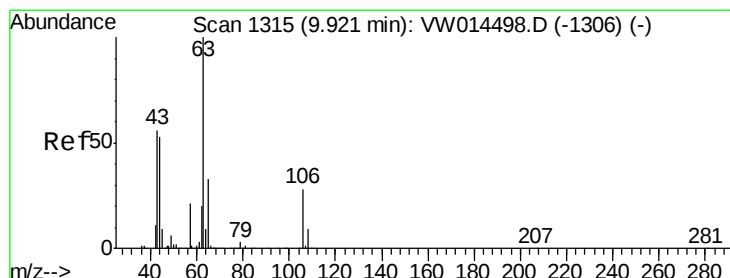
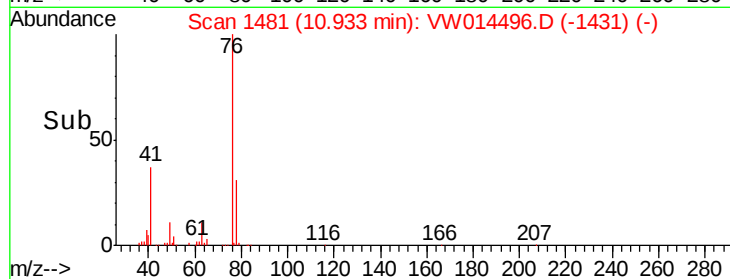
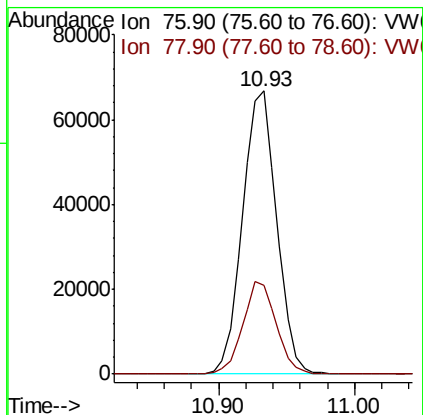
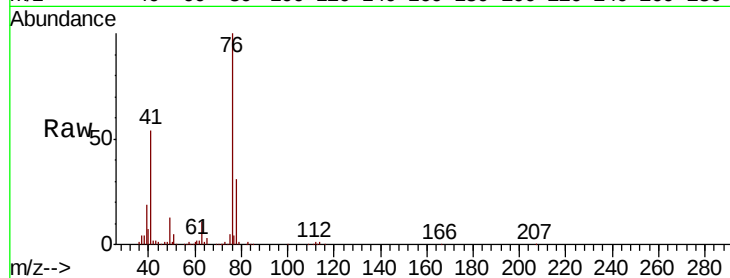
ClientSampleId :

Tot Ion: 76 Resp: 117511

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 31.863 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014496.D

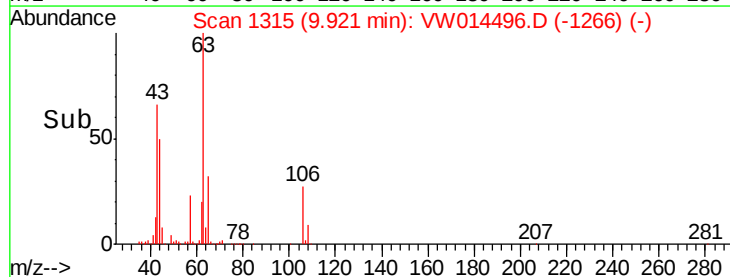
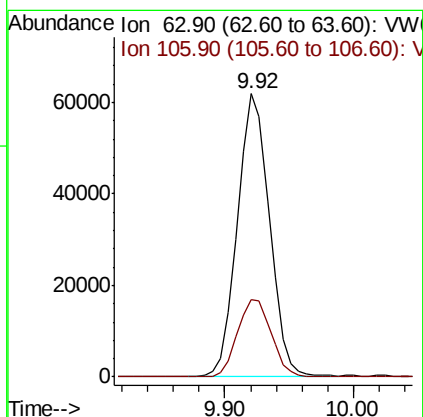
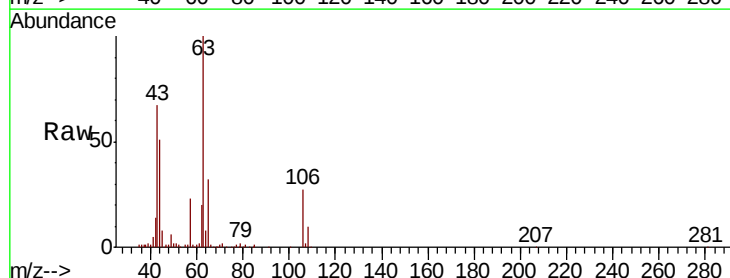
Acq: 03 Jan 2020 13:55

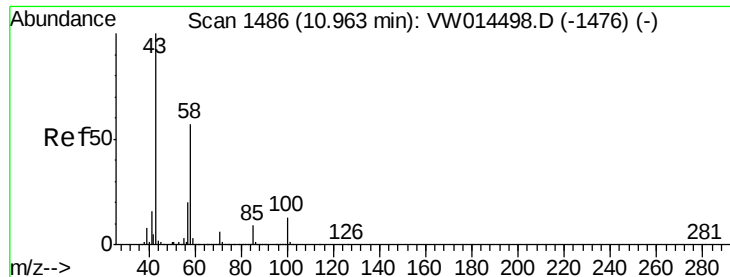
Tgt Ion: 63 Resp: 107014

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6

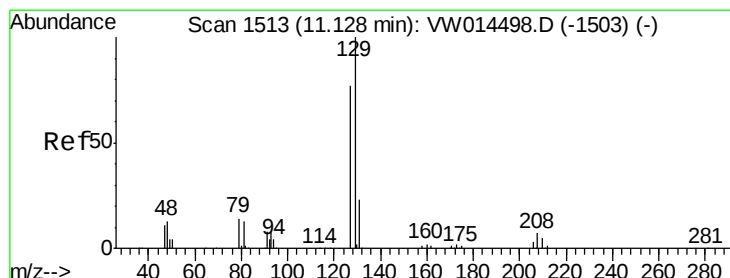
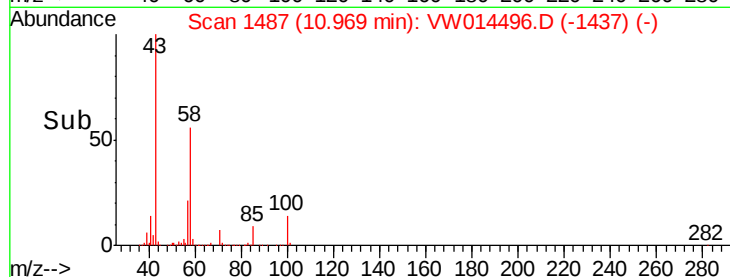
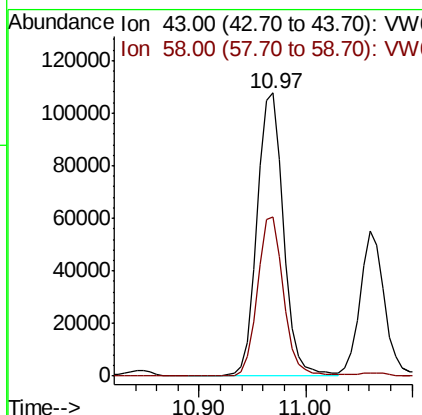
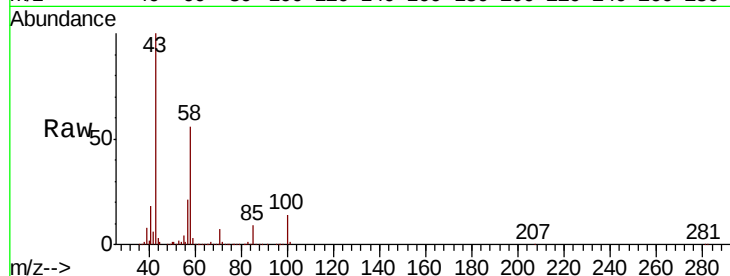




#59
2-Hexanone
Concen: 56.744 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

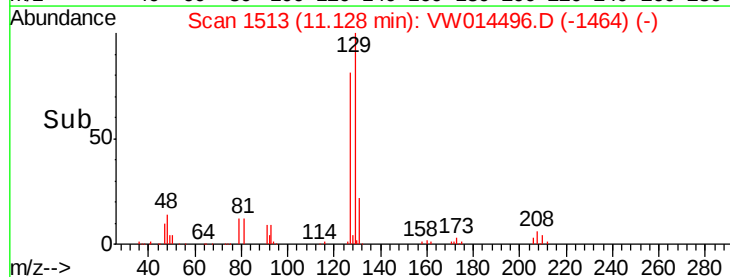
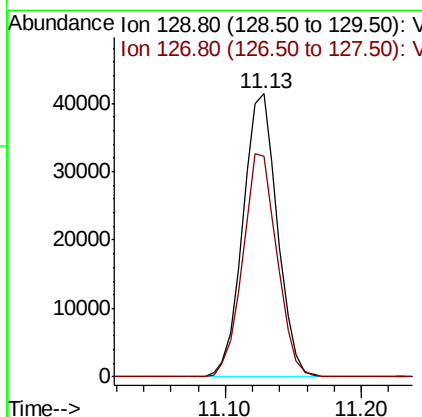
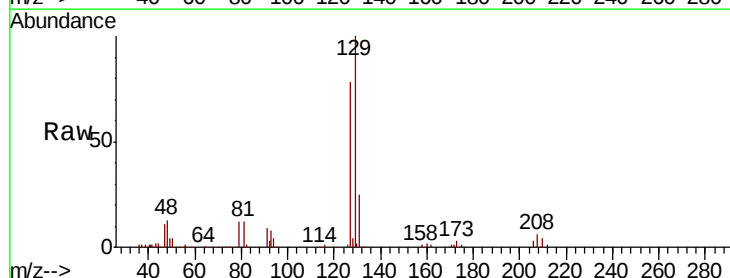
Instrument :
MSVOA_W
ClientSampleId :

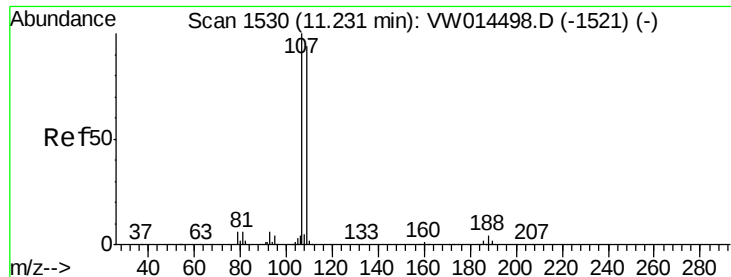
Tot Ion: 43 Resp: 187878
Ion Ratio Lower Upper
43 100
58 55.4 28.7 86.3



#60
Dibromochloromethane
Concen: 10.063 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 129 Resp: 73161
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.5

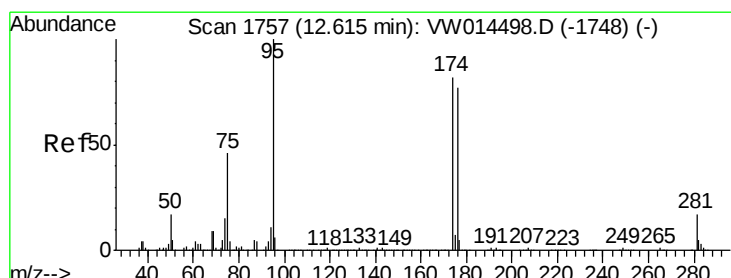
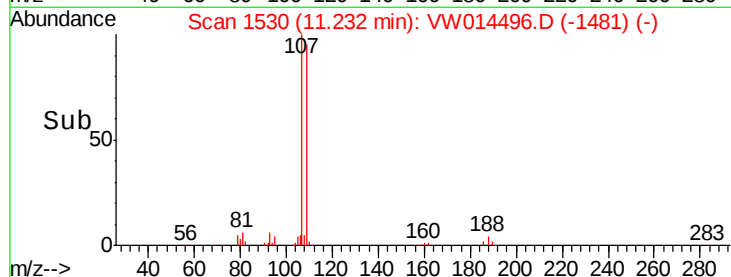
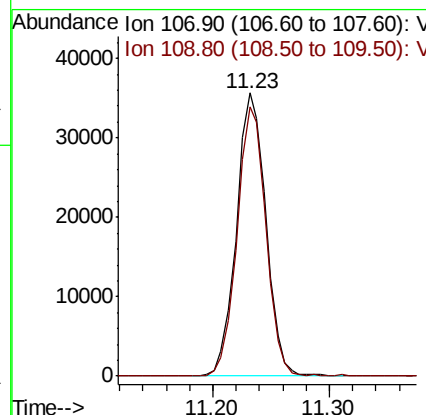
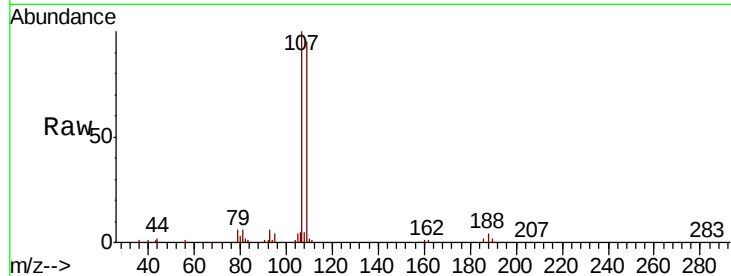




#61
 1,2-Dibromoethane
 Concen: 10.666 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

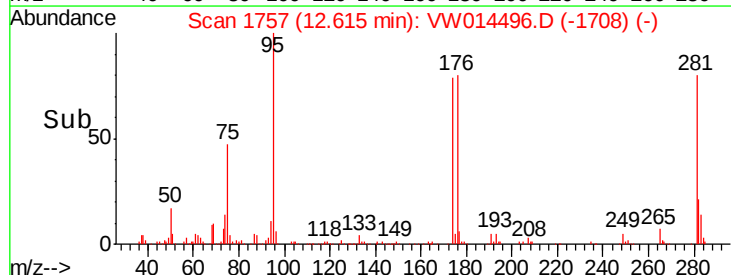
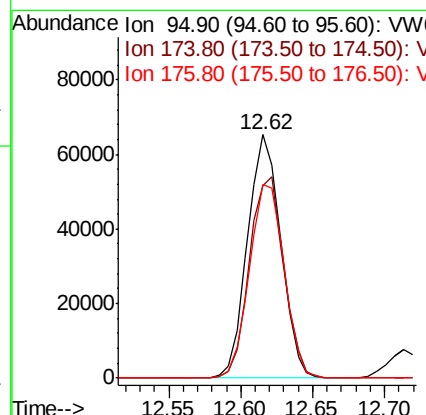
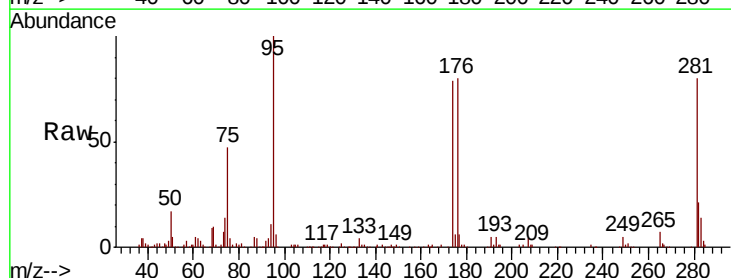
Instrument :
 MSVOA_W
 ClientSampleId :

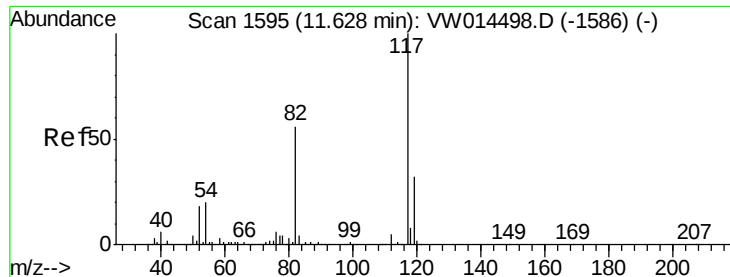
Tot Ion: 107 Resp: 62701
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 10.247 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Tgt Ion: 95 Resp: 104711
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 168.6
 176 82.8 0.0 162.0

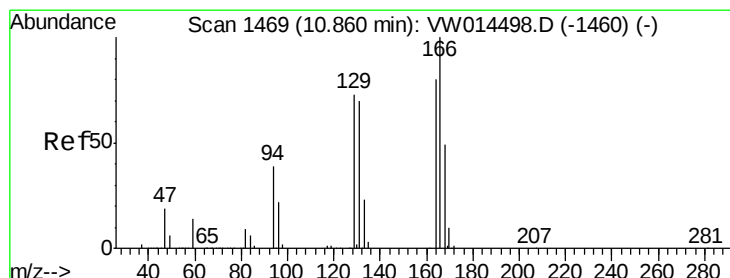
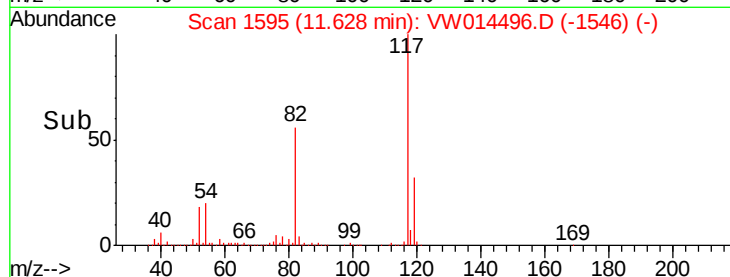
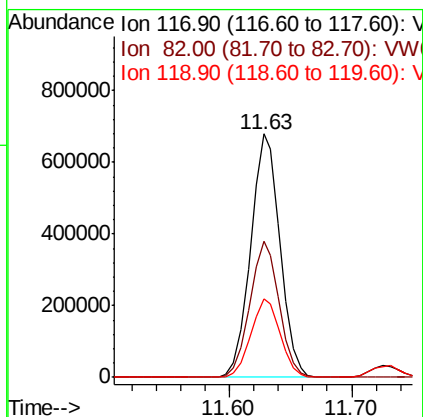
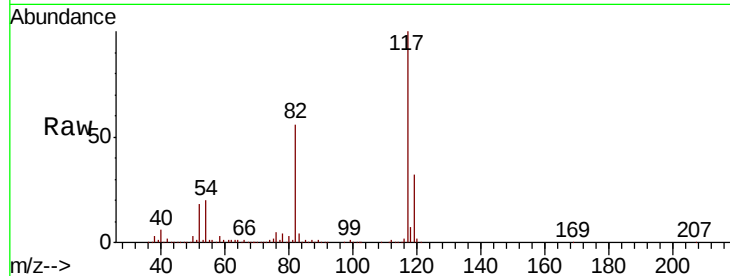




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

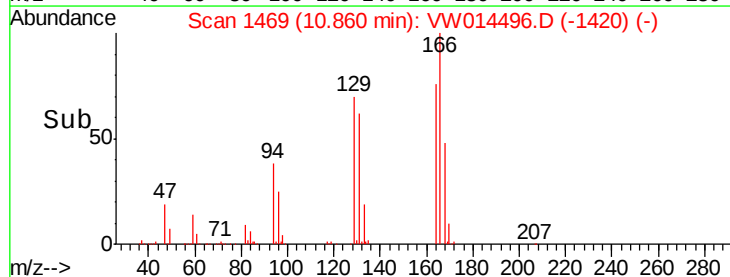
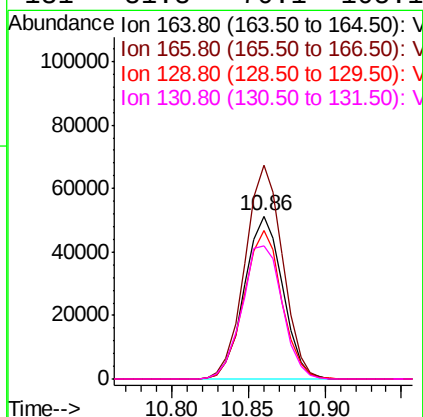
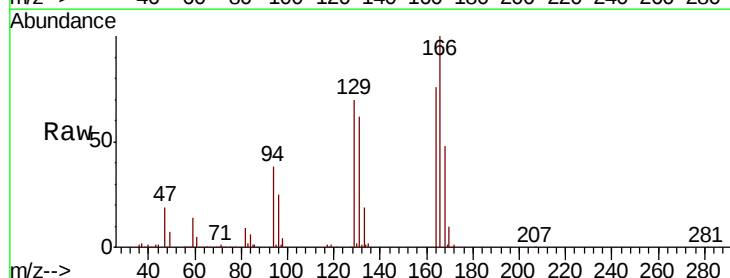
Instrument :
MSVOA_W
ClientSampled :

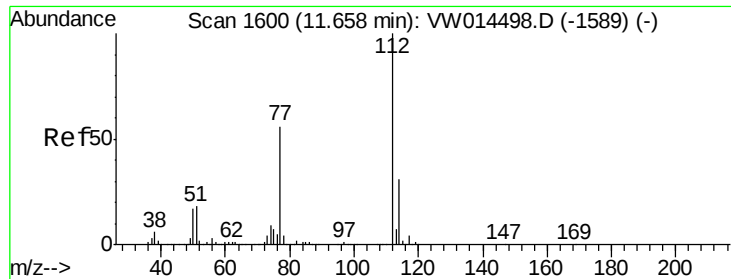
Tot Ion:117 Resp: 1132940
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 10.375 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion:164 Resp: 88979
Ion Ratio Lower Upper
164 100
166 131.4 99.8 149.6
129 91.4 72.4 108.6
131 81.8 70.1 105.1

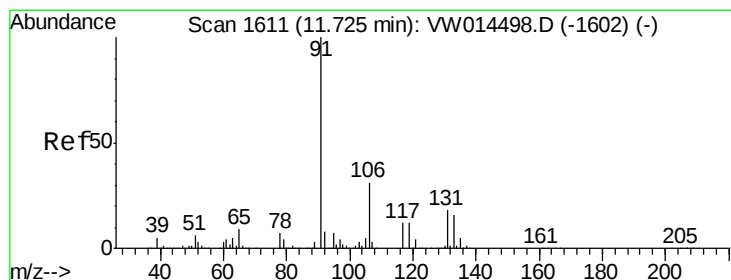
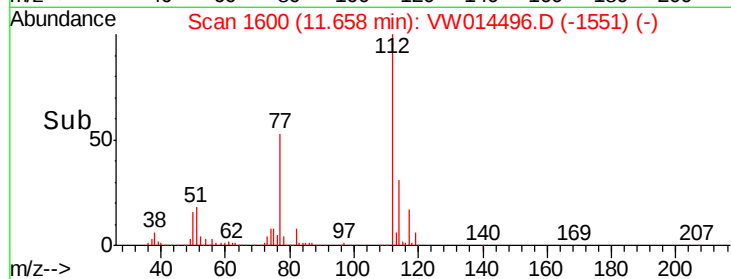
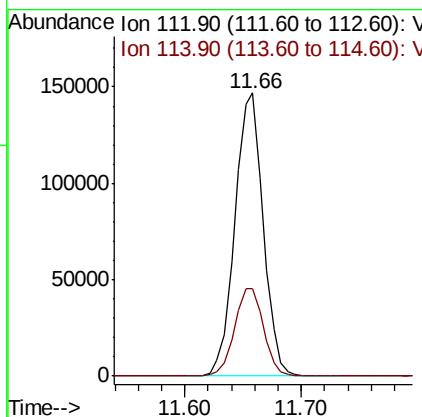
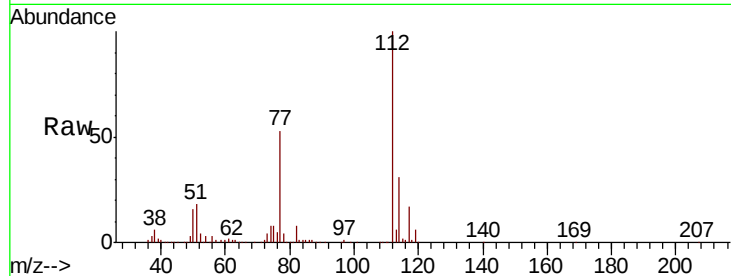




#65
Chlorobenzene
Concen: 10.685 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

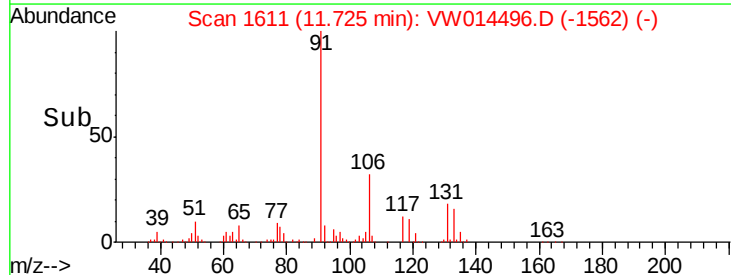
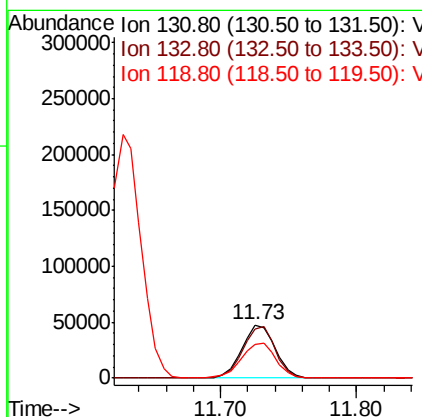
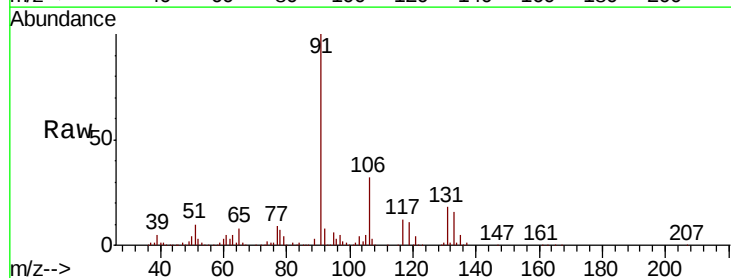
Instrument :
MSVOA_W
ClientSampleId :

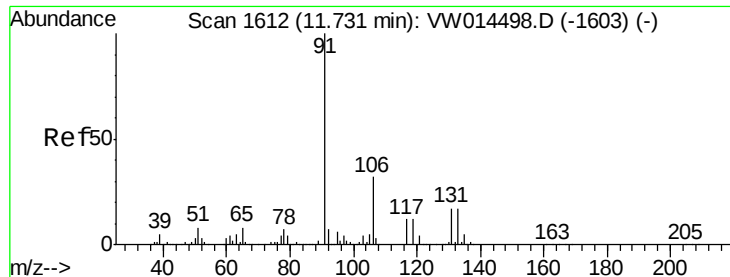
Tot Ion:112 Resp: 248665
Ion Ratio Lower Upper
112 100
114 31.0 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 10.042 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion:131 Resp: 81184
Ion Ratio Lower Upper
131 100
133 95.3 47.3 142.0
119 67.9 33.1 99.3

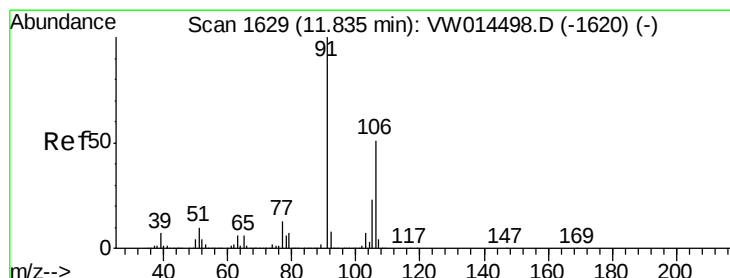
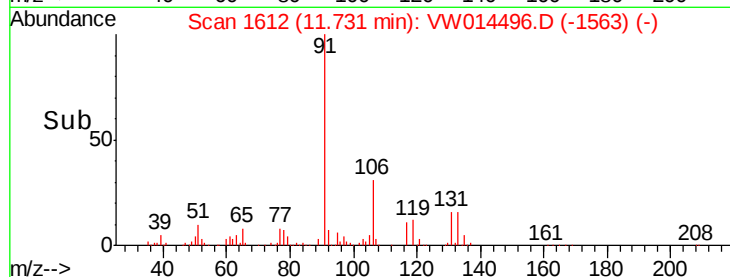
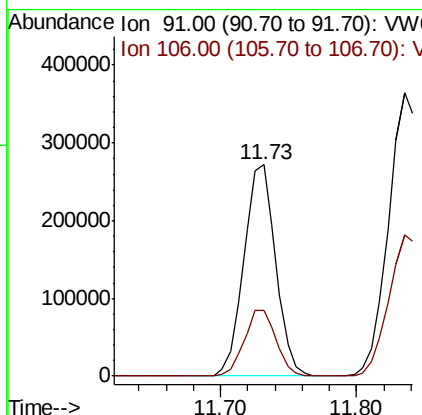
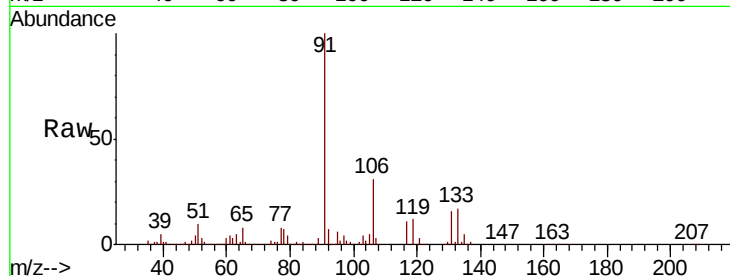




#67
Ethyl Benzene
Concen: 10.618 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

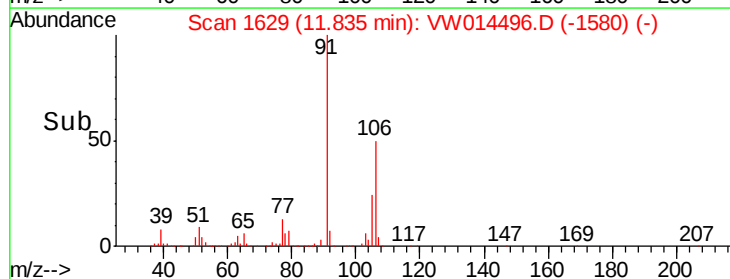
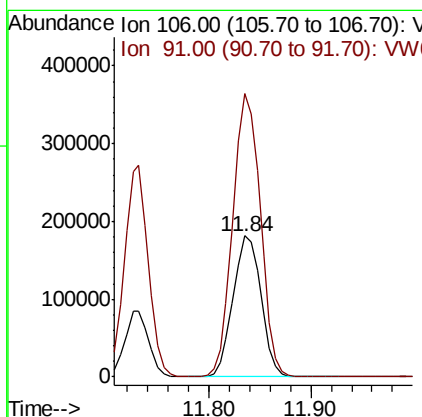
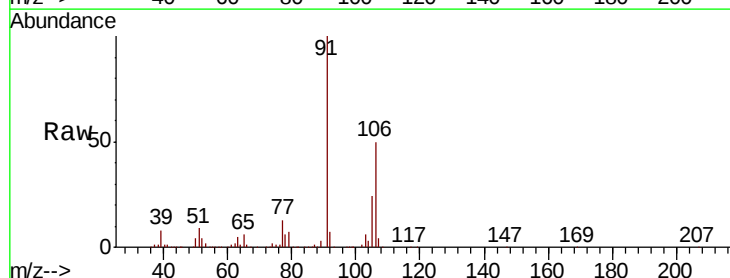
Instrument :
MSVOA_W
ClientSampled :

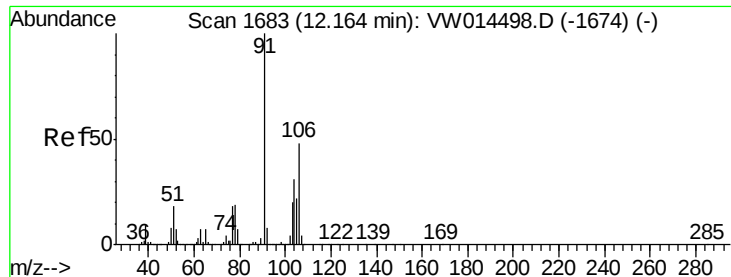
Tot Ion: 91 Resp: 445401
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3



#68
m/p-Xylenes
Concen: 21.181 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 106 Resp: 342936
Ion Ratio Lower Upper
106 100
91 198.5 159.0 238.6

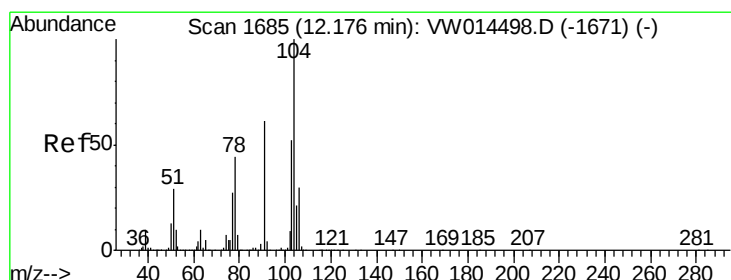
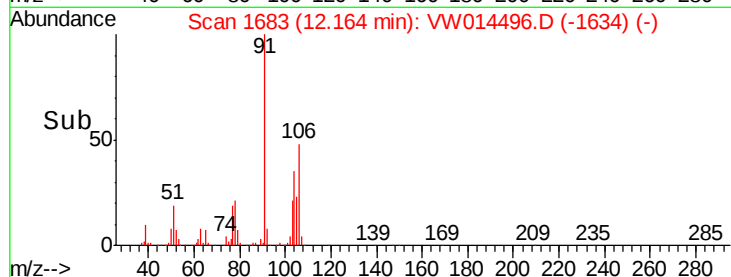
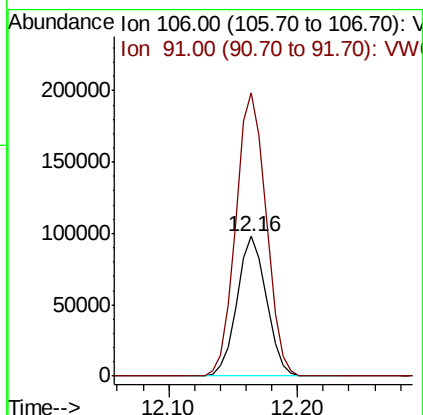
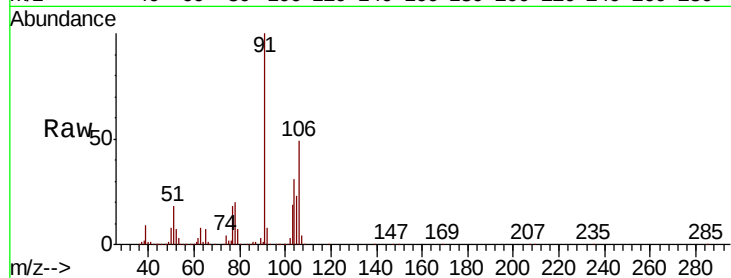




#69
o-Xylene
Concen: 10.422 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

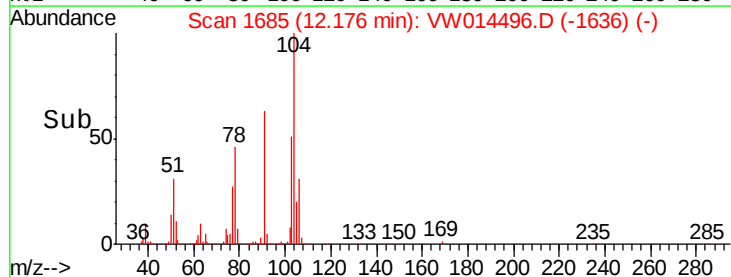
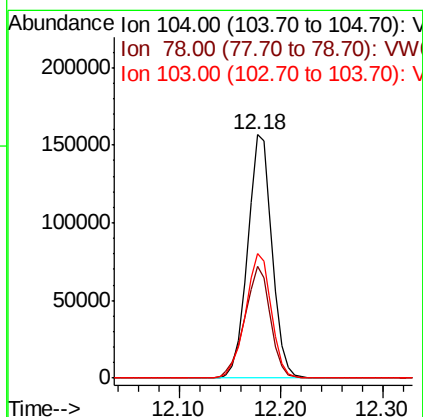
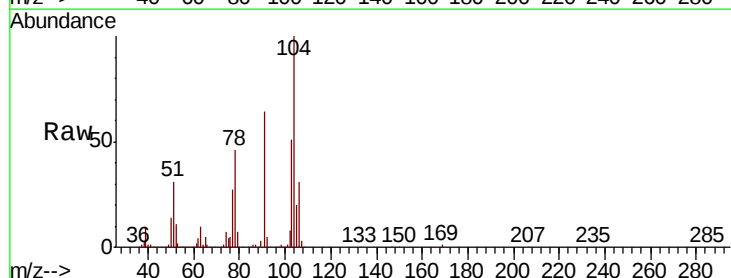
Instrument :
MSVOA_W
ClientSampleId :

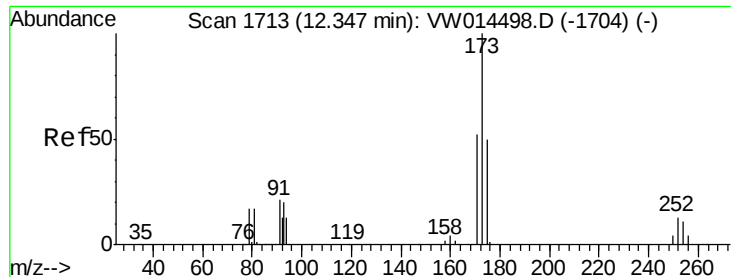
Tot Ion:106 Resp: 155115
Ion Ratio Lower Upper
106 100
91 208.8 105.2 315.6



#70
Styrene
Concen: 10.243 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion:104 Resp: 261350
Ion Ratio Lower Upper
104 100
78 48.4 38.4 57.6
103 54.3 43.7 65.5





#71

Bromoform

Concen: 10.008 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

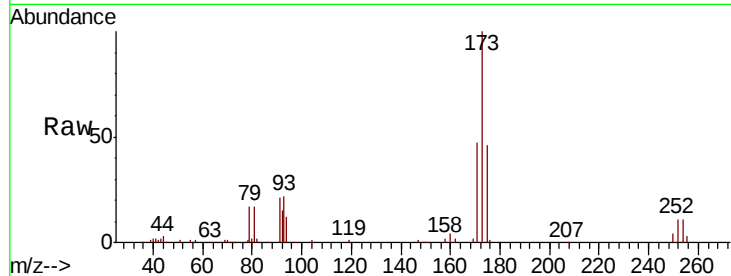
Tot Ion:173 Resp: 43105

Ion Ratio Lower Upper

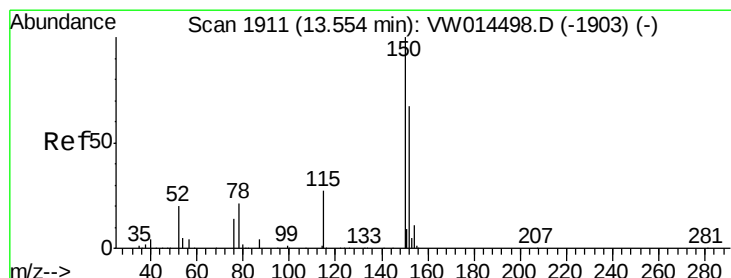
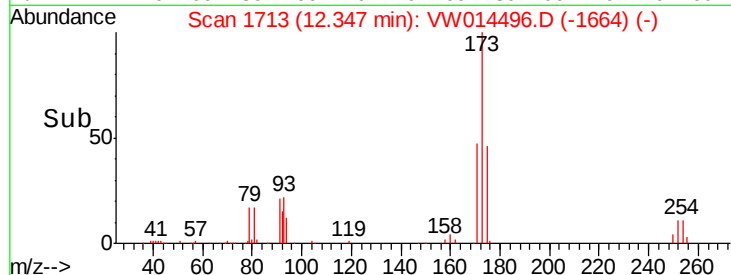
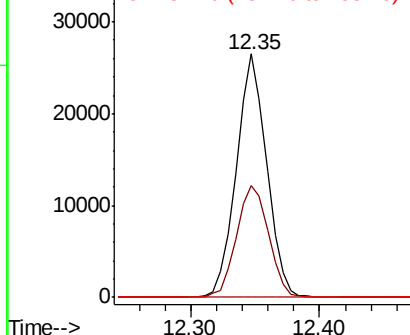
173 100

175 48.7 24.5 73.5

254 0.1 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: VW014496.D

Acq: 03 Jan 2020 13:55

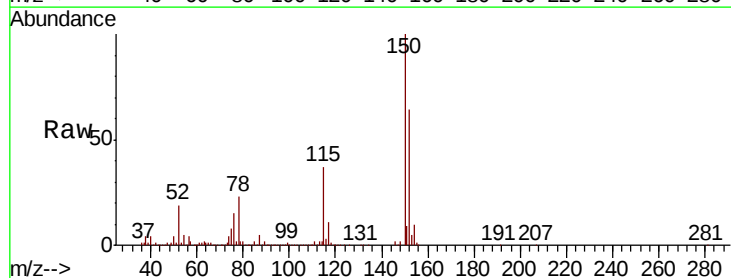
Tgt Ion:152 Resp: 556472

Ion Ratio Lower Upper

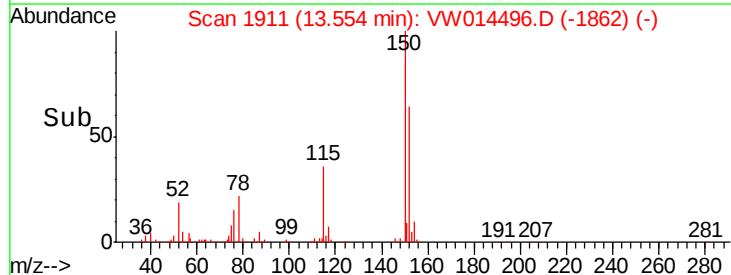
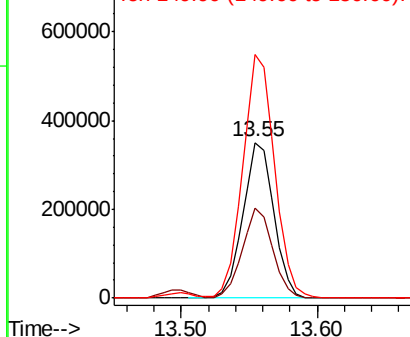
152 100

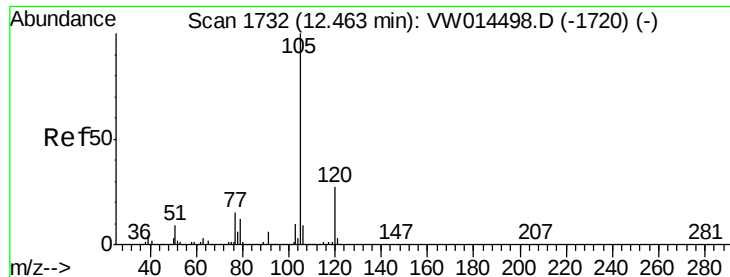
115 56.6 27.7 83.1

150 160.8 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: 10.692 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

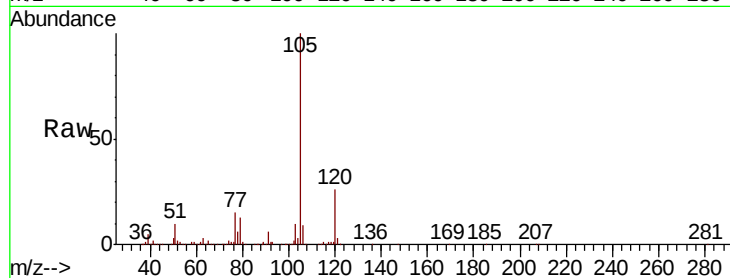
ClientSampleId :

Tot Ion:105 Resp: 427948

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

250000

200000

150000

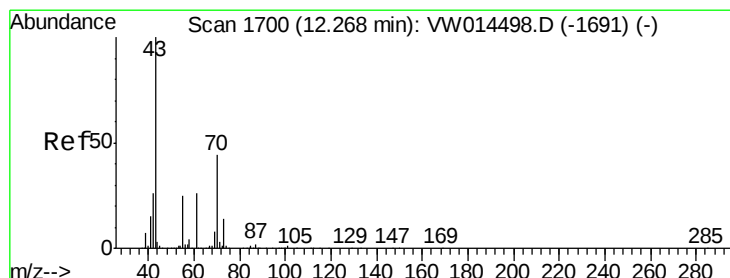
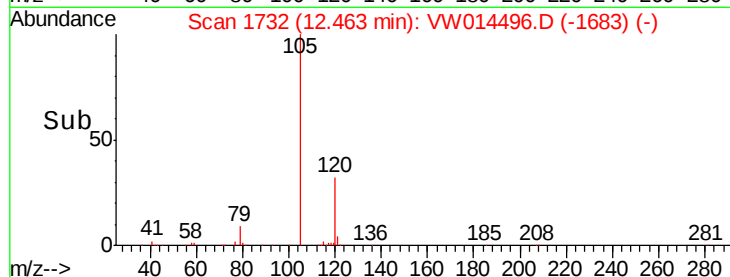
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 11.077 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Tgt Ion: 43 Resp: 89653

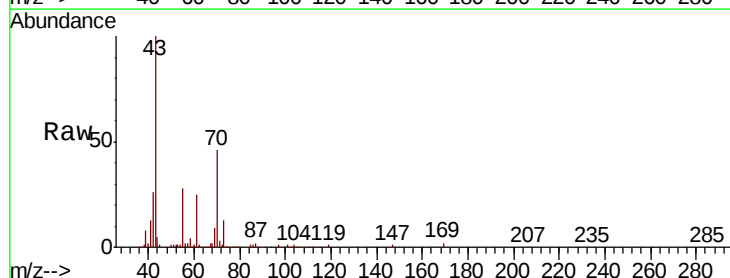
Ion Ratio Lower Upper

43 100

70 45.4 36.5 54.7

55 28.4 20.9 31.3

61 24.5 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

80000

60000

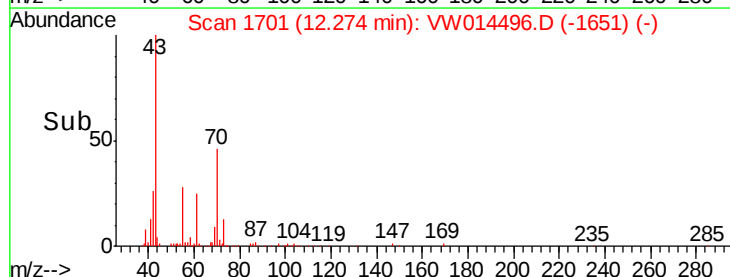
40000

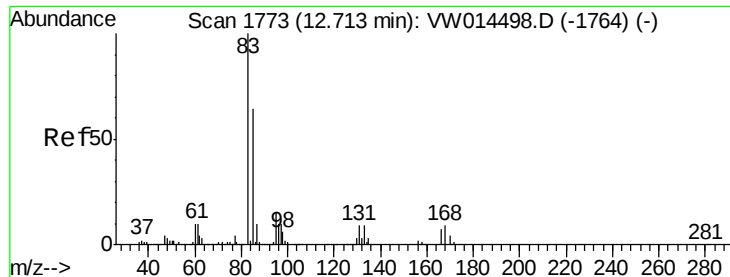
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 11.598 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

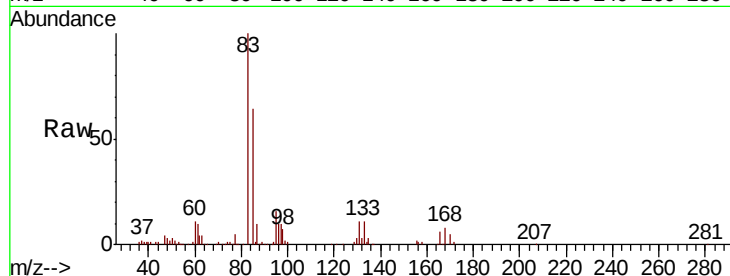
Tot Ion: 83 Resp: 76209

Ion Ratio Lower Upper

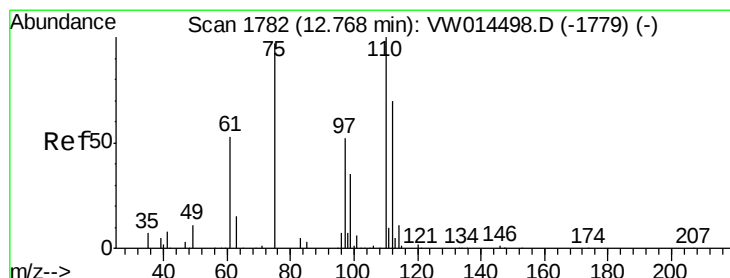
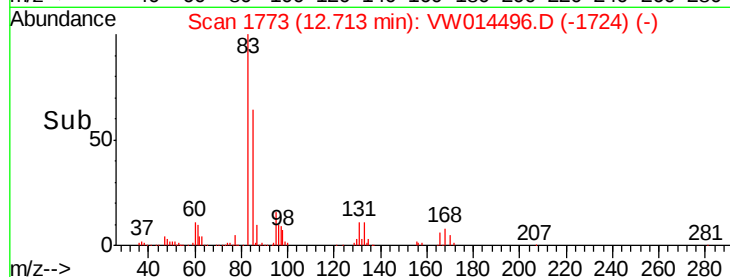
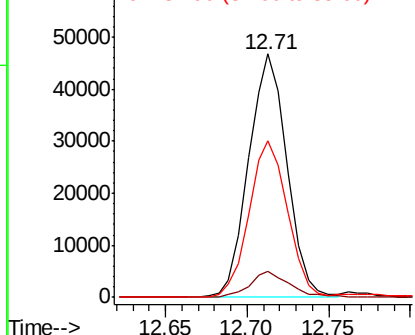
83 100

131 10.9 5.1 15.4

85 64.6 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



#76

1,2,3-Trichloropropane

Concen: 22.238 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014496.D

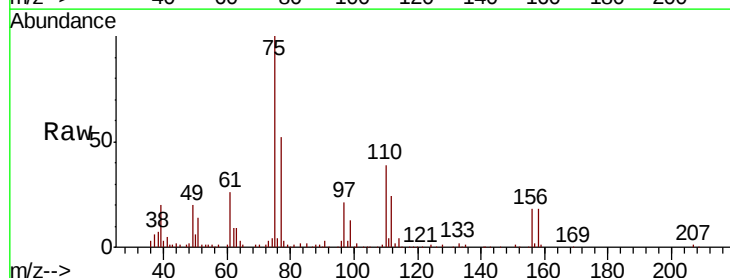
Acq: 03 Jan 2020 13:55

Tgt Ion: 75 Resp: 96427

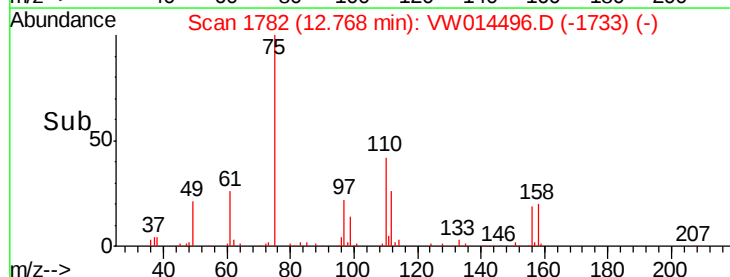
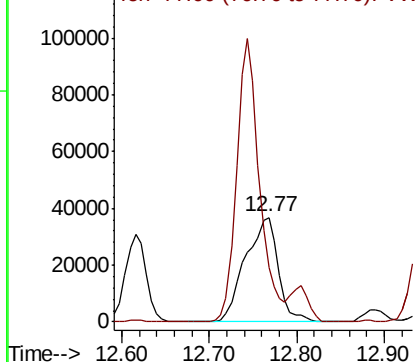
Ion Ratio Lower Upper

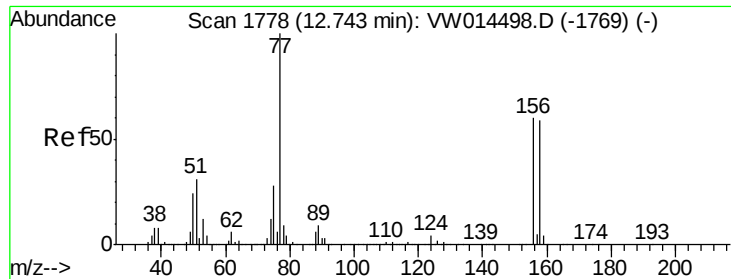
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

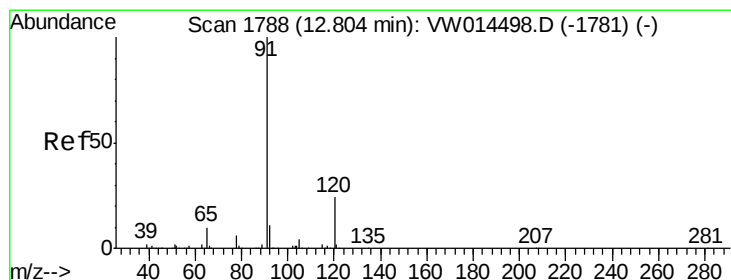
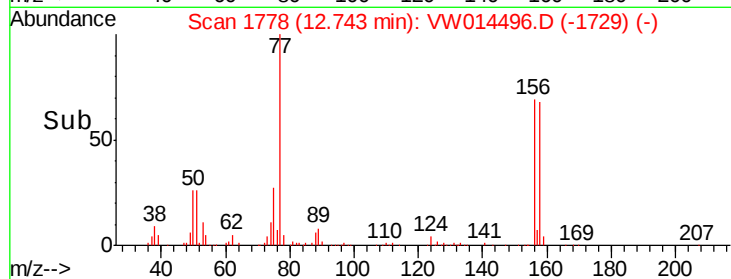
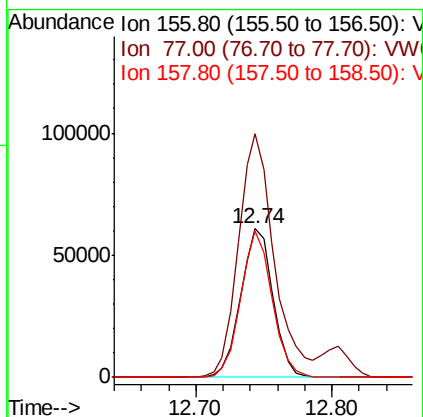
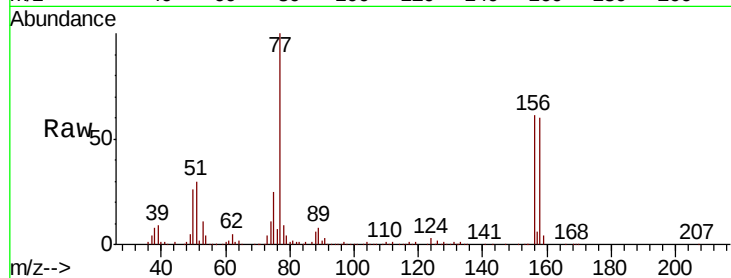




#77
Bromobenzene
Concen: 10.575 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

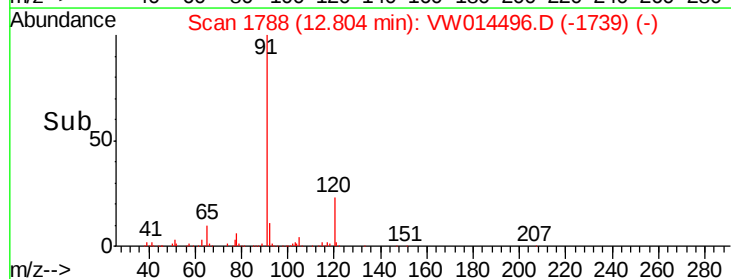
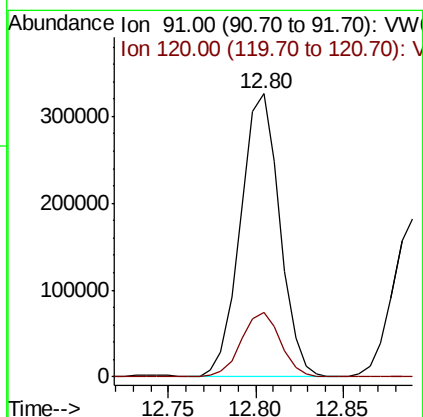
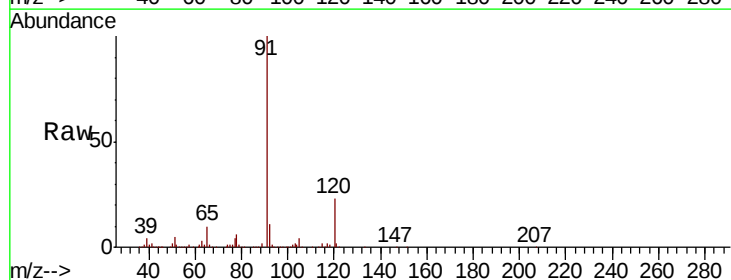
Instrument :
MSVOA_W
ClientSampled :

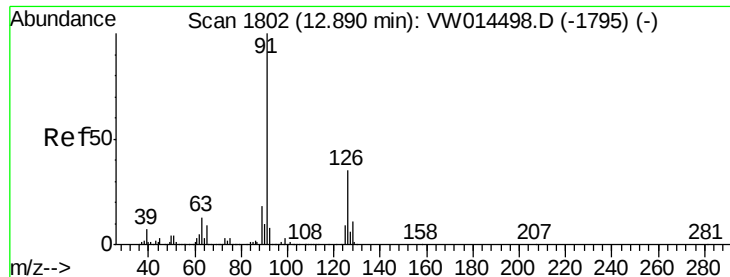
Tot Ion:156 Resp: 100793
Ion Ratio Lower Upper
156 100
77 181.1 92.3 277.1
158 95.7 48.6 145.9



#78
n-propylbenzene
Concen: 10.898 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 91 Resp: 505891
Ion Ratio Lower Upper
91 100
120 22.9 11.7 35.1

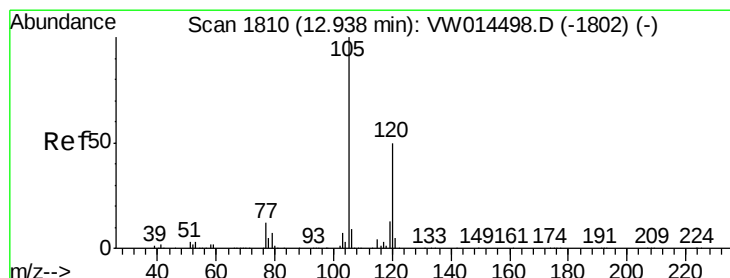
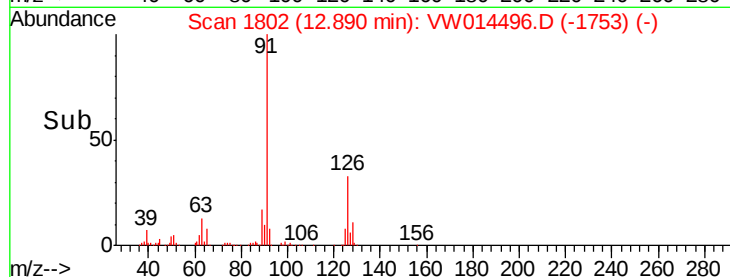
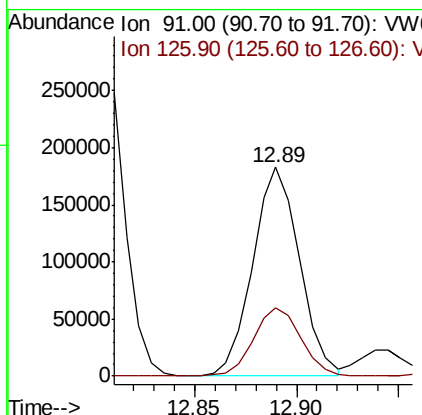
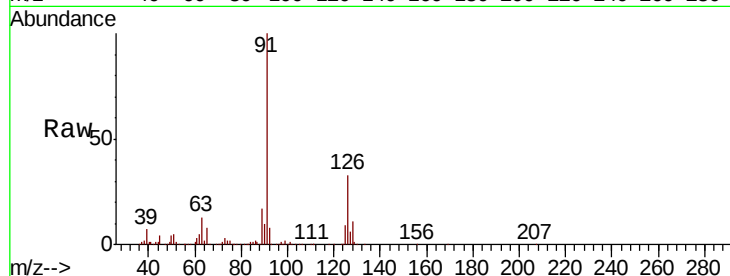




#79
2-Chlorotoluene
Concen: 11.131 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

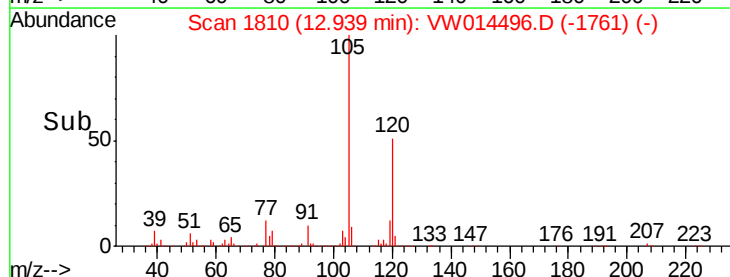
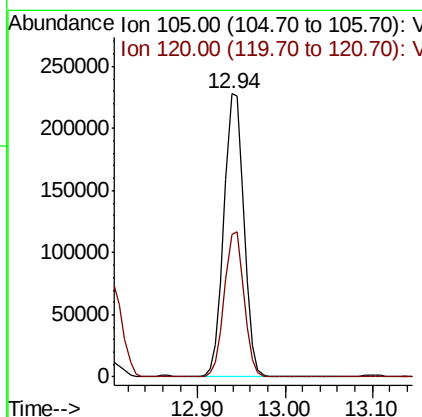
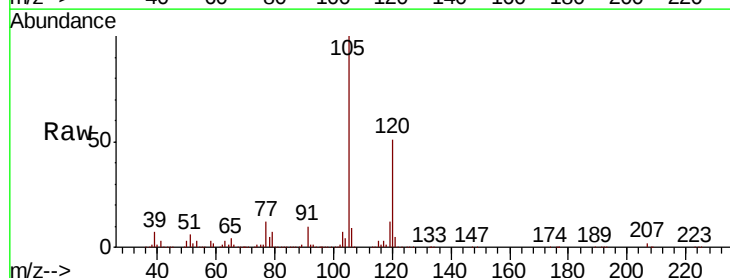
Instrument :
MSVOA_W
ClientSampleId :

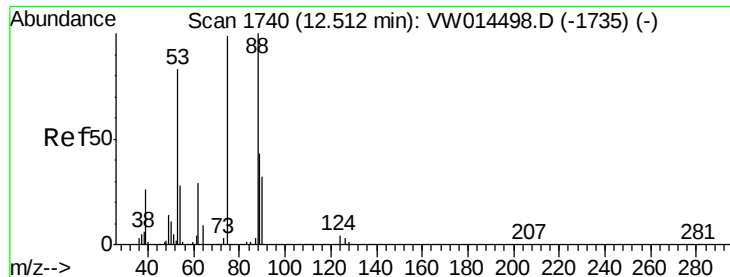
Tot Ion: 91 Resp: 290709
Ion Ratio Lower Upper
91 100
126 33.4 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 10.774 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 105 Resp: 362815
Ion Ratio Lower Upper
105 100
120 50.6 25.2 75.6

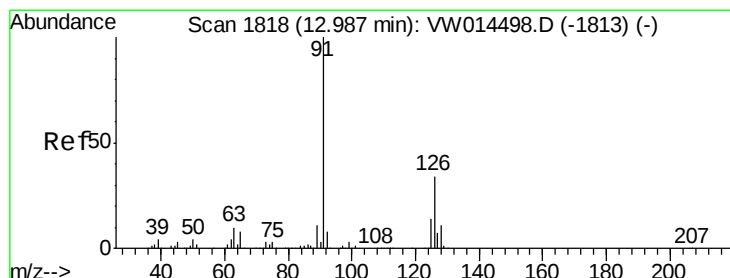
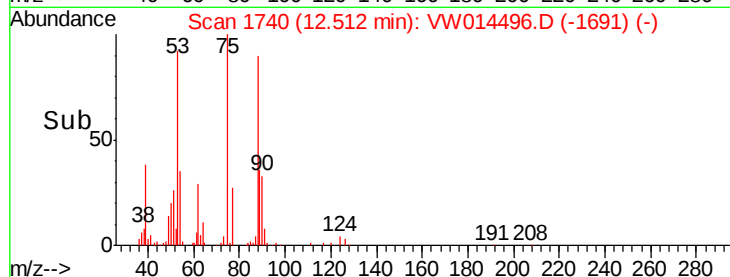
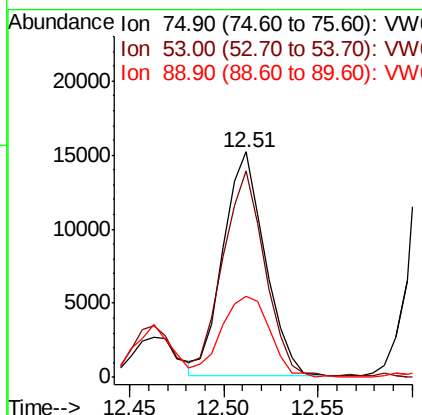
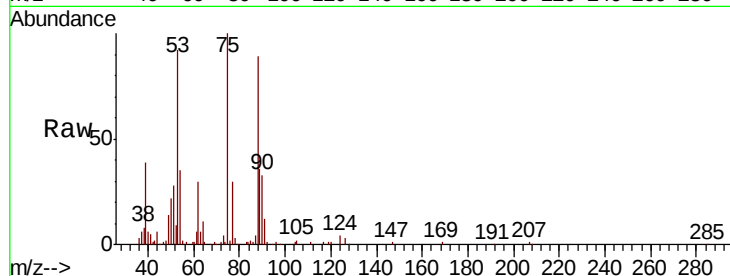




#81
trans-1,4-Dichloro-2-butene
Concen: 10.639 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

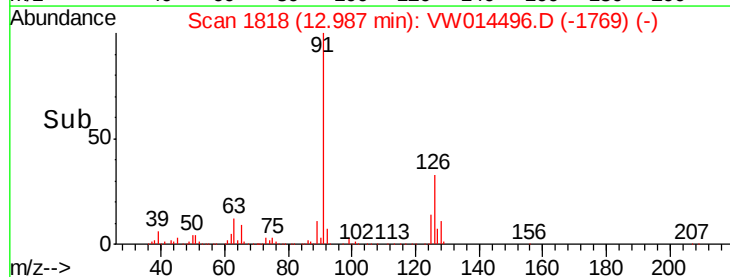
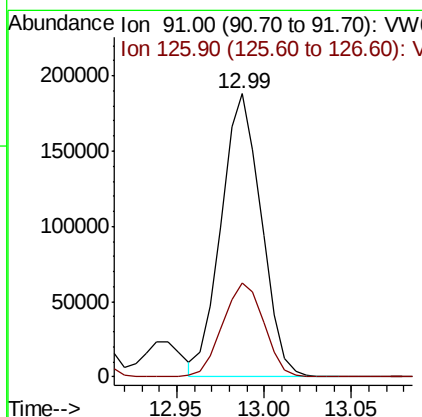
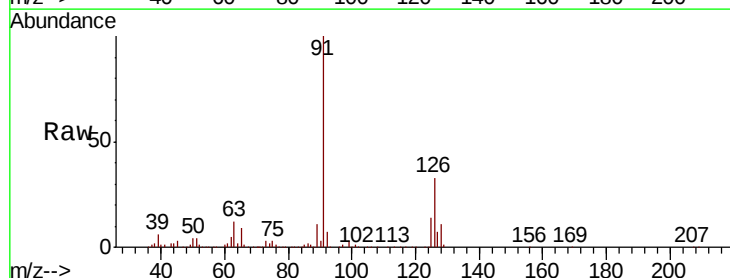
Instrument :
MSVOA_W
ClientSampleId :

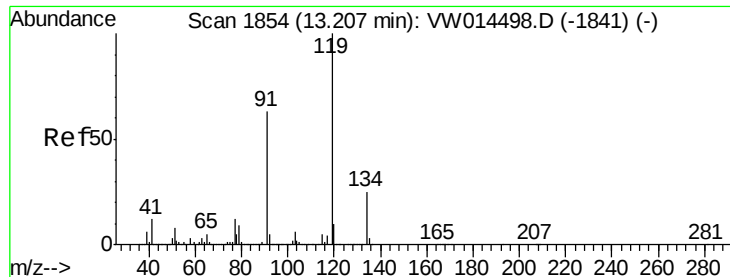
Tot Ion: 75 Resp: 23405
Ion Ratio Lower Upper
75 100
53 91.4 70.9 106.3
89 42.6 35.8 53.8



#82
4-Chlorotoluene
Concen: 10.956 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion: 91 Resp: 299356
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.2

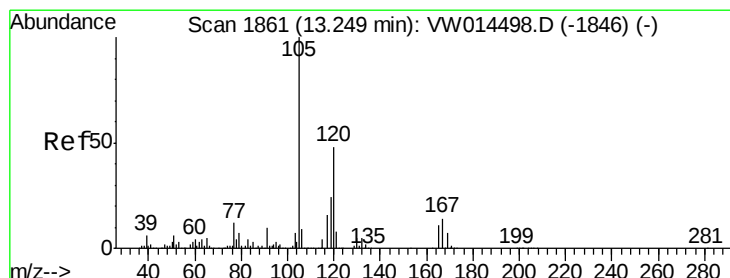
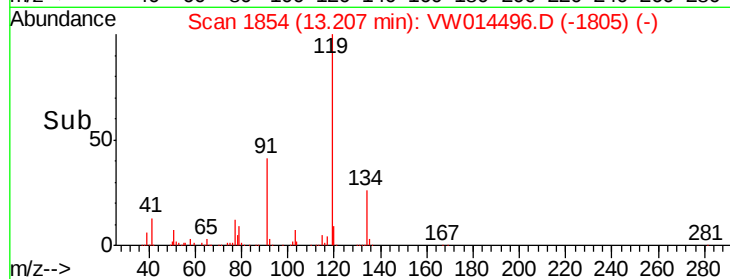
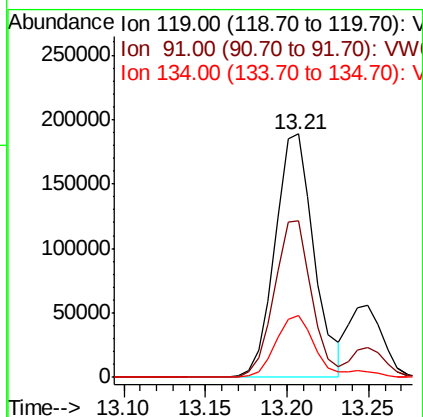
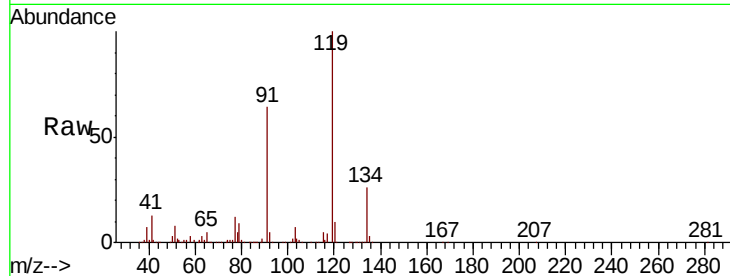




#83
 tert-Butylbenzene
 Concen: 10.494 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

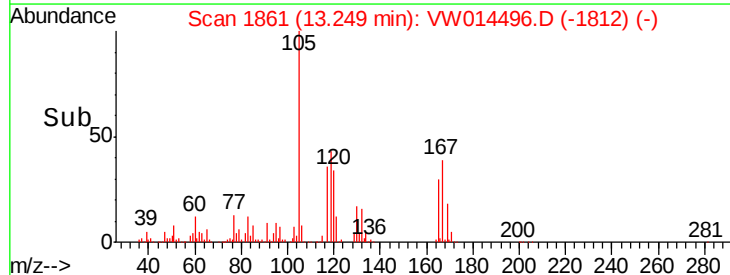
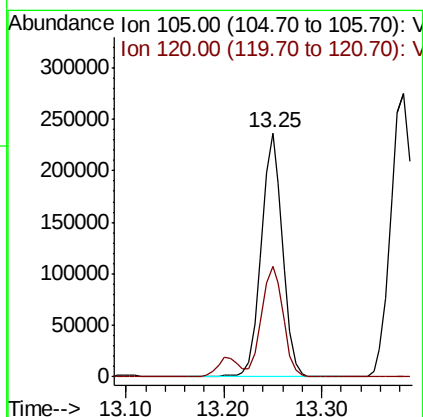
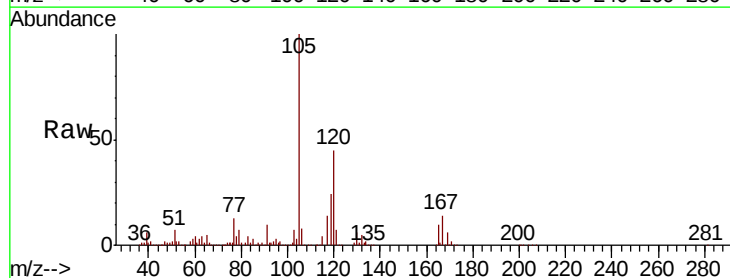
Instrument :
 MSVOA_W
 ClientSampled :

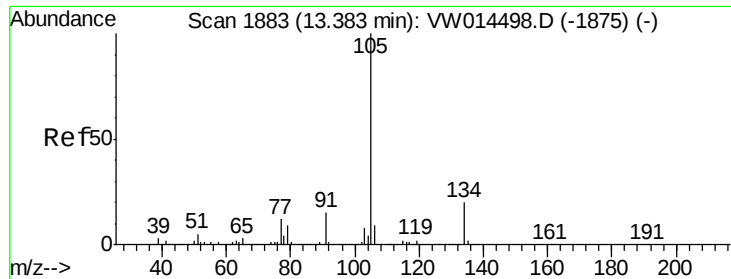
Tot Ion:119 Resp: 313485
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.1 93.3
 134 27.1 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 10.749 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Tgt Ion:105 Resp: 357697
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.0





#85

sec-Butylbenzene

Concen: 10.656 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

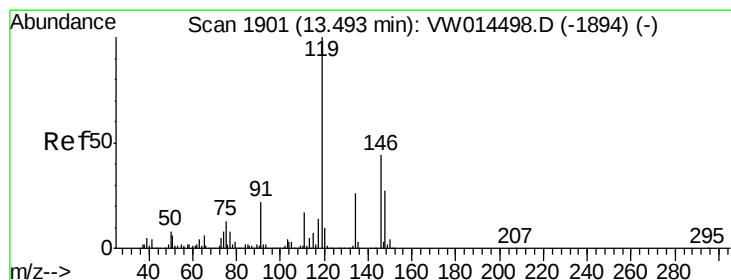
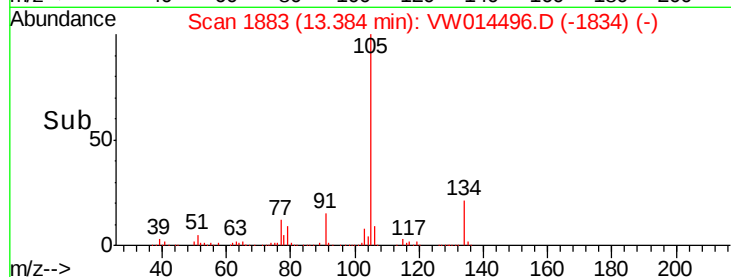
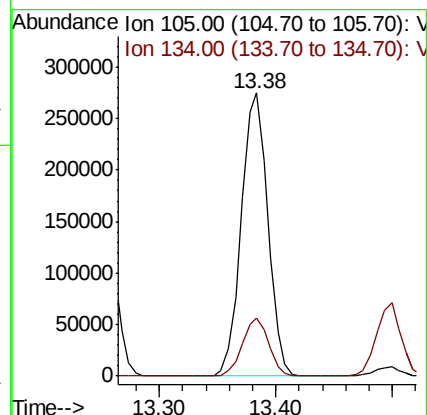
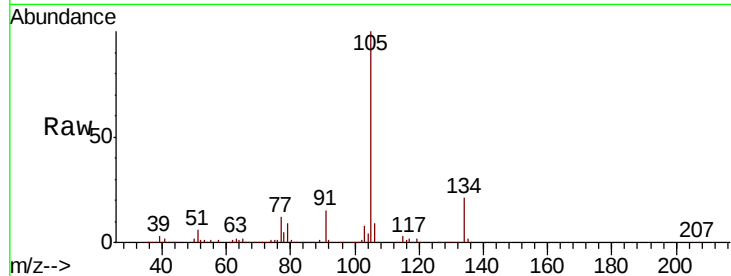
ClientSampleId :

Tot Ion:105 Resp: 436125

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 10.377 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

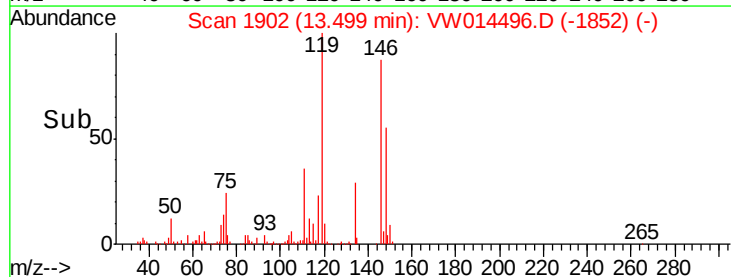
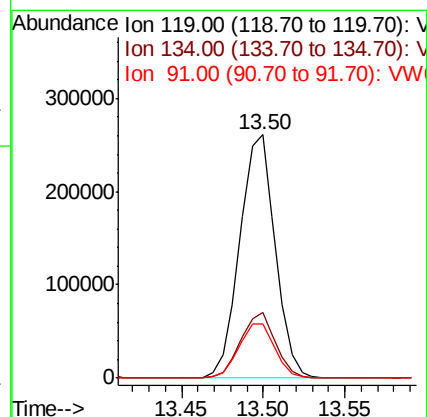
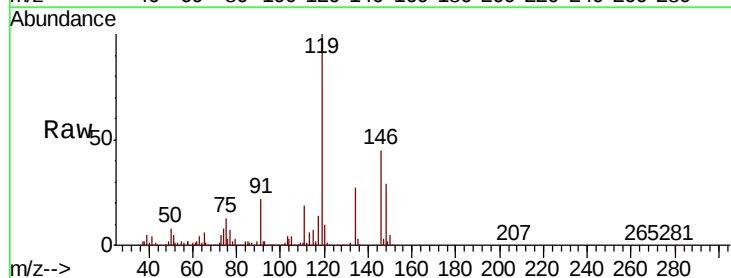
Tgt Ion:119 Resp: 394344

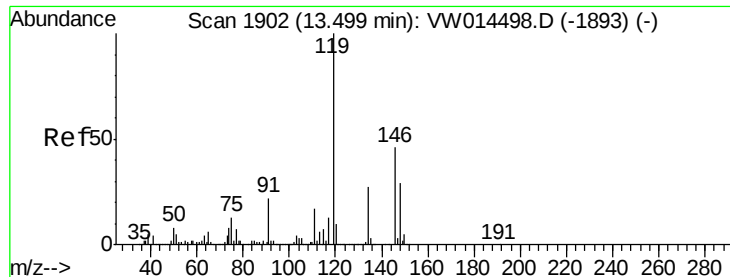
Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 22.7 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 10.426 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

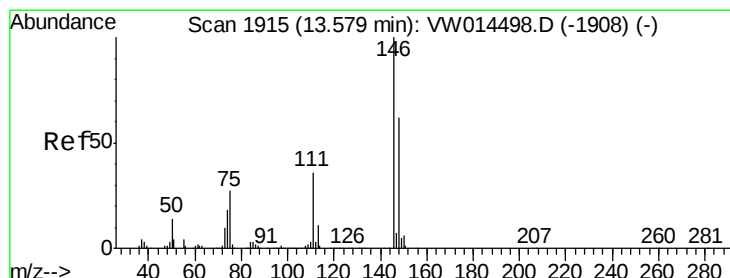
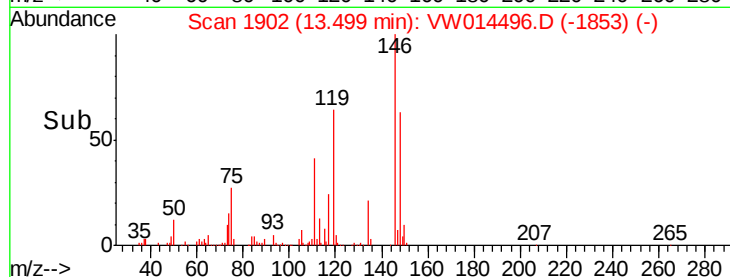
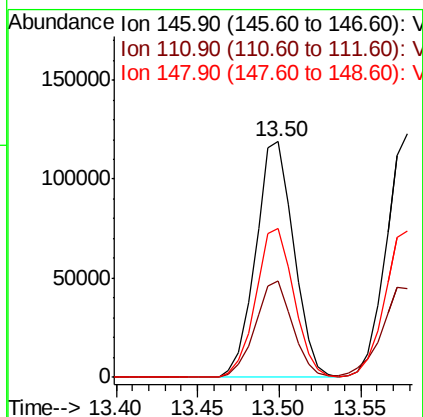
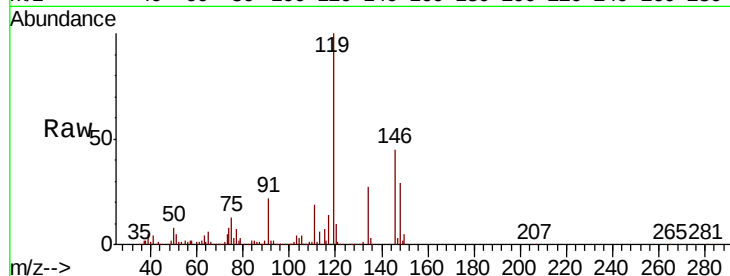
Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:146 Resp: 192200

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.9
148	63.2	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 10.560 ug/l

RT: 13.58 min Scan# 1915

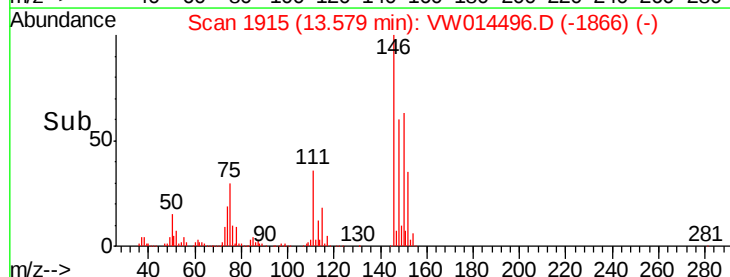
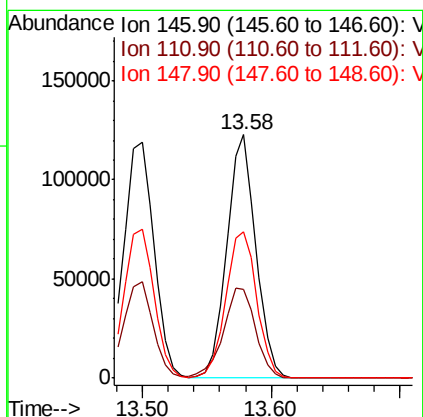
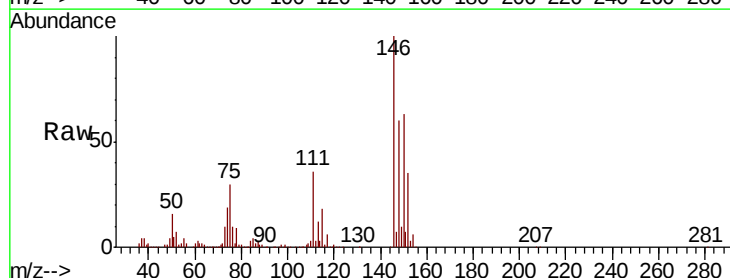
Delta R.T. 0.00 min

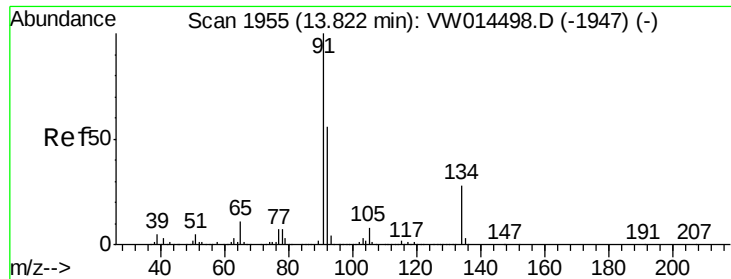
Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Tgt Ion:146 Resp: 193773

Ion	Ratio	Lower	Upper
146	100		
111	41.2	18.7	56.1
148	64.1	31.7	95.1





#89

n-Butylbenzene

Concen: 10.427 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014496.D

Acq: 03 Jan 2020 13:55

Instrument :

MSVOA_W

ClientSampleId :

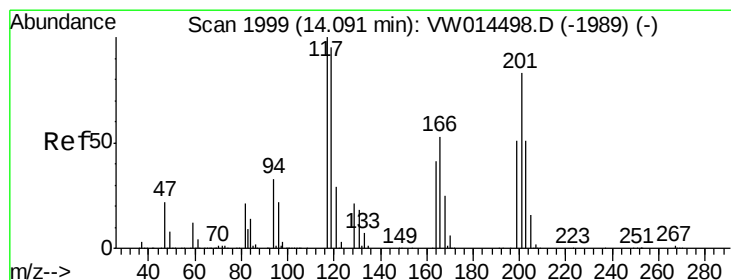
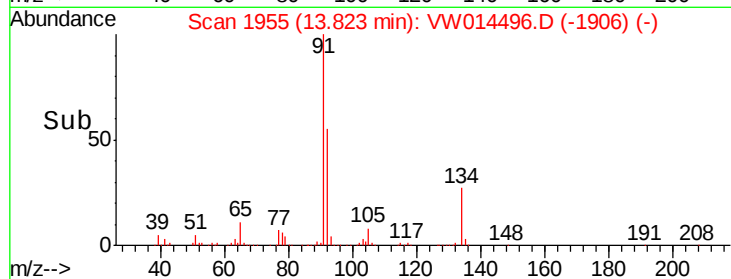
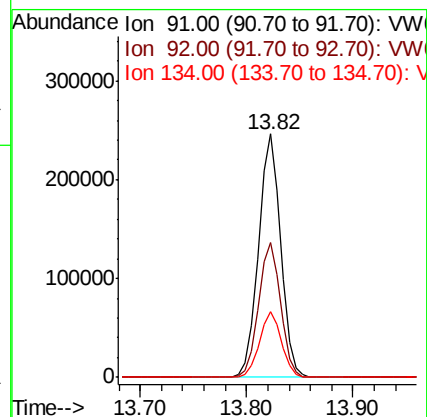
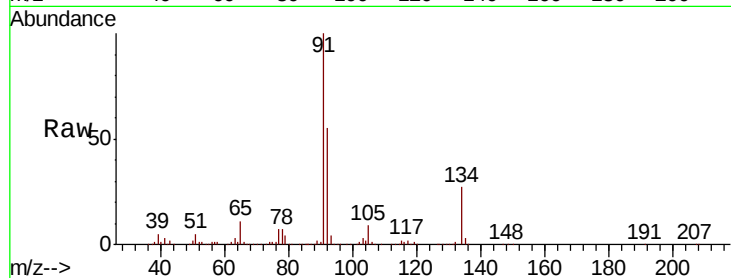
Tot Ion: 91 Resp: 359434

Ion Ratio Lower Upper

91 100

92 55.1 27.5 82.5

134 26.8 13.7 41.1



#90

Hexachloroethane

Concen: 10.272 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014496.D

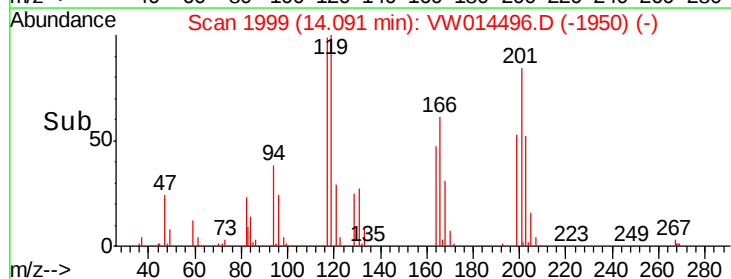
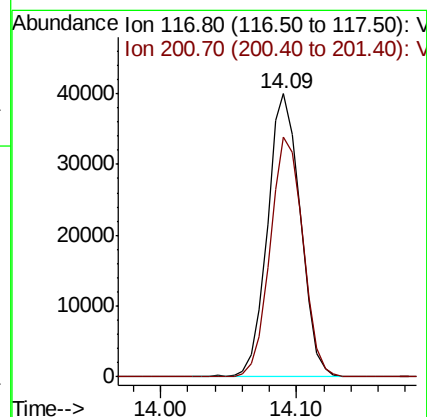
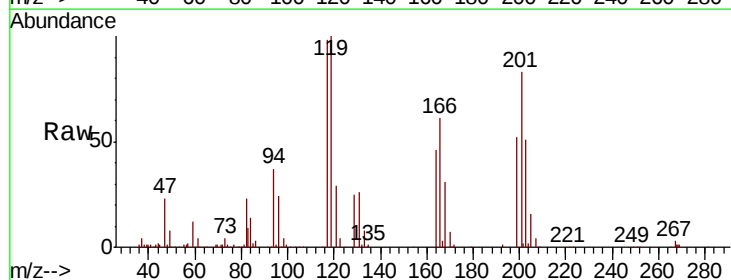
Acq: 03 Jan 2020 13:55

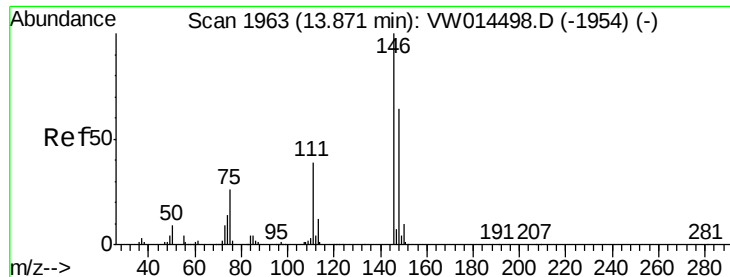
Tgt Ion: 117 Resp: 67784

Ion Ratio Lower Upper

117 100

201 84.3 43.0 128.8

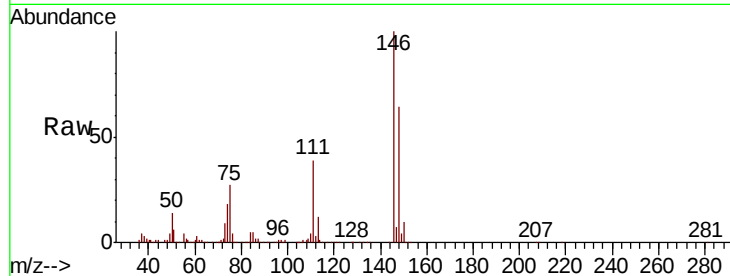




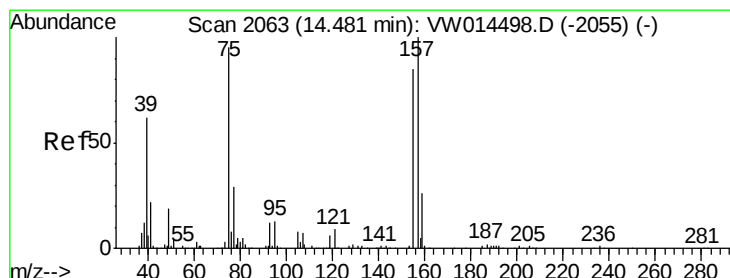
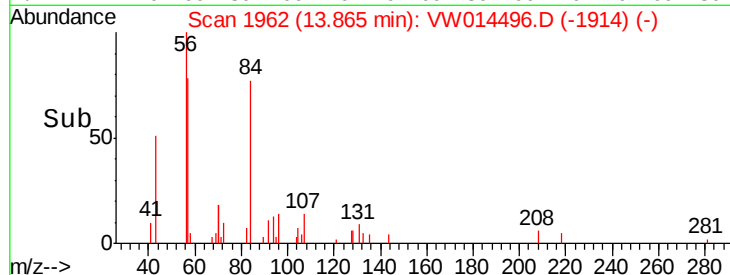
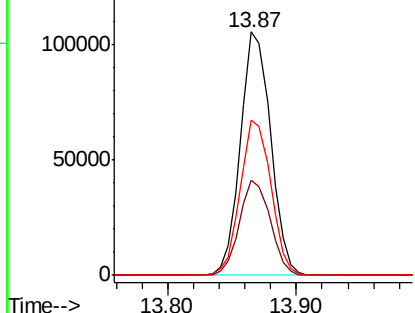
#91
 1,2-Dichlorobenzene
 Concen: 10.696 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.4	61.3
148	64.6	32.3	96.8

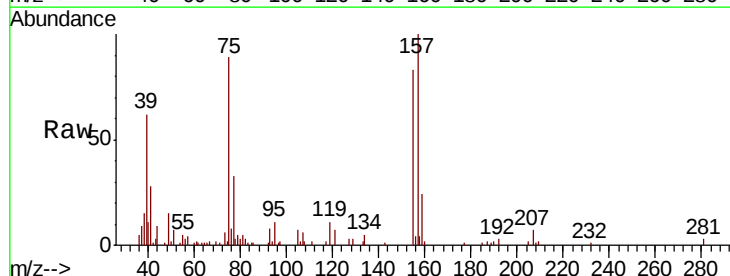


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

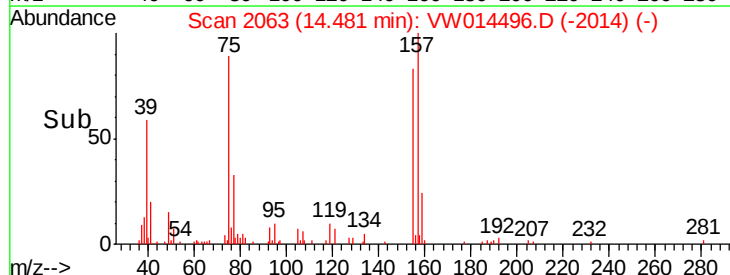
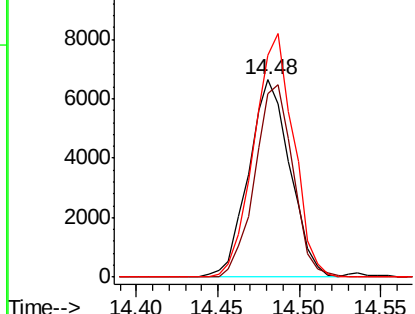


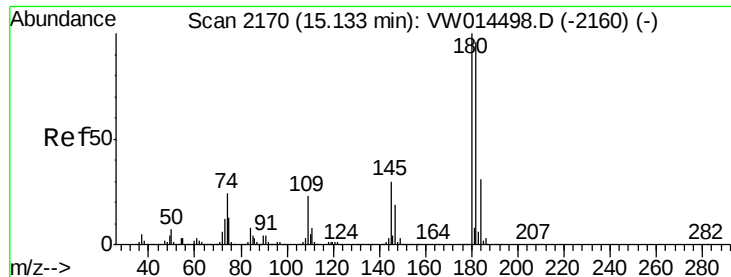
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.647 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	45.8	137.4
157	117.5	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

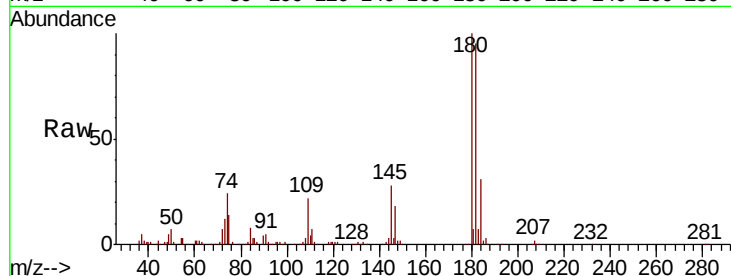




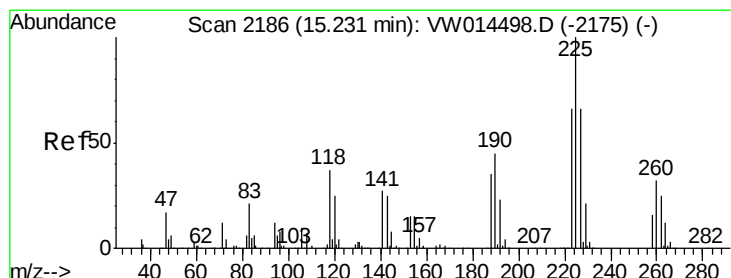
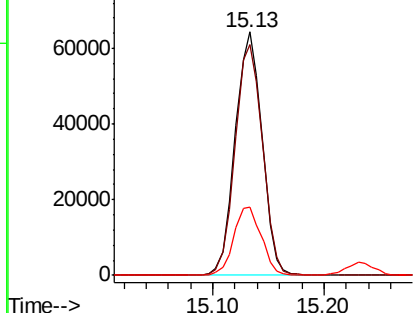
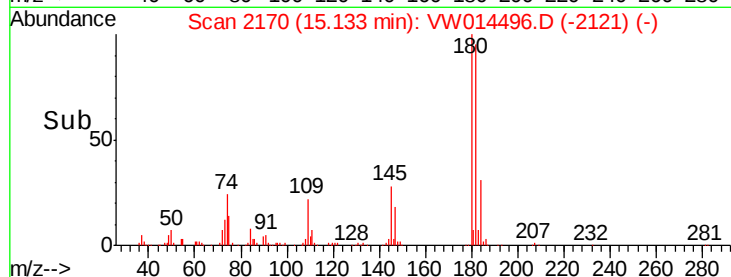
#93
 1,2,4-Trichlorobenzene
 Concen: 9.235 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 107173
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.3 141.8
 145 28.8 14.7 44.1

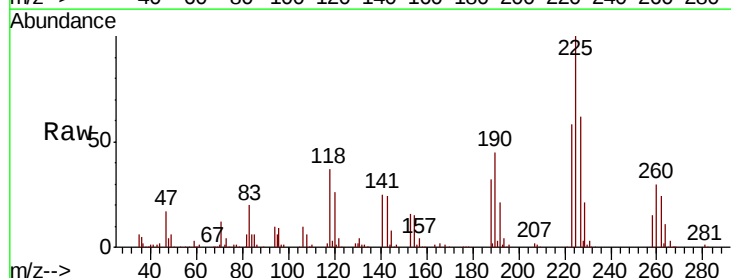


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

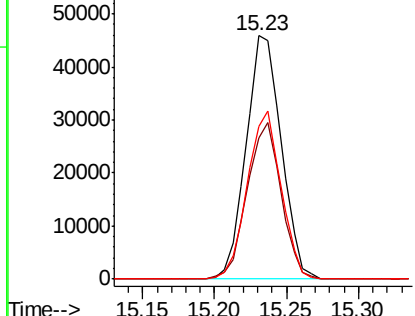
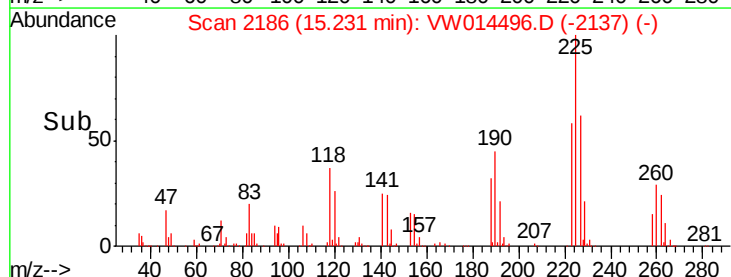


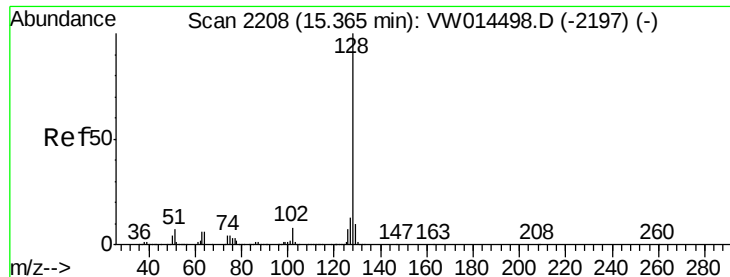
#94
 Hexachlorobutadiene
 Concen: 9.951 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014496.D
 Acq: 03 Jan 2020 13:55

Tgt Ion:225 Resp: 77483
 Ion Ratio Lower Upper
 225 100
 223 62.1 32.4 97.2
 227 66.0 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

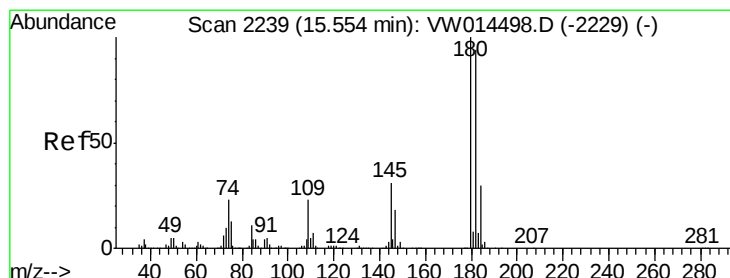
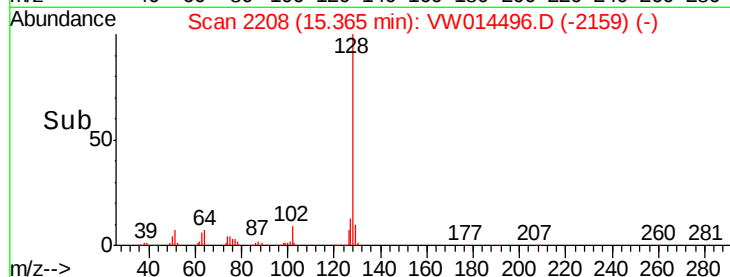
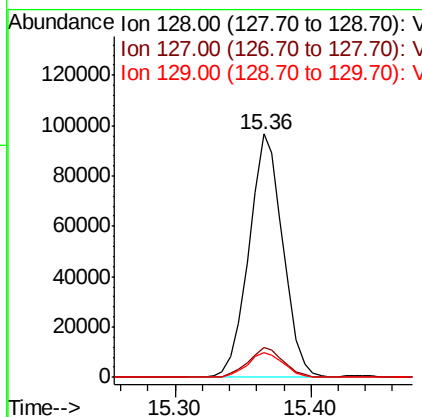
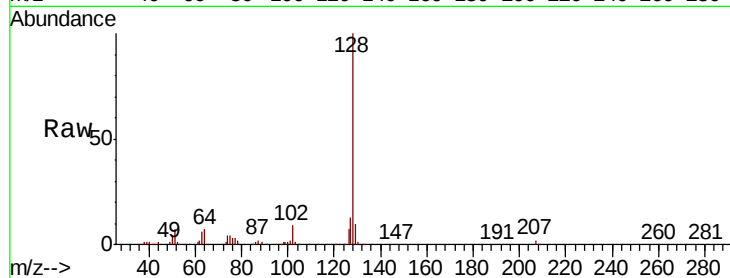




#95
Naphthalene
Concen: 9.039 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 168839
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 9.342 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014496.D
Acq: 03 Jan 2020 13:55

Tgt Ion:180 Resp: 93748
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.2
145 30.7 15.5 46.5

