

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015401.D
 Acq On : 05 May 2020 17:51
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 05 18:29:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	253453	128.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.26%	
35) Dibromofluoromethane	7.88	113	220140	104.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.28%	
50) Toluene-d8	10.32	98	908747	102.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.80%	
62) 4-Bromofluorobenzene	12.62	95	339172	101.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.46%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	145089	83.919	ug/l 99
3) Chloromethane	2.21	50	167444	88.228	ug/l 99
4) Vinyl Chloride	2.37	62	247549	105.218	ug/l 99
5) Bromomethane	2.78	94	187525	111.869	ug/l 92
6) Chloroethane	2.92	64	167387	112.775	ug/l 98
7) Trichlorofluoromethane	3.26	101	185808	60.467	ug/l 99
8) Diethyl Ether	3.68	74	113161	118.431	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	213841	103.949	ug/l 99
10) Methyl Iodide	4.27	142	324906	142.937	ug/l 100
11) Tert butyl alcohol	5.19	59	69424	450.705	ug/l 99
12) 1,1-Dichloroethene	4.03	96	220068	109.734	ug/l 97
13) Acrolein	3.89	56	92147	934.592	ug/l 100
14) Allyl chloride	4.67	41	390245	139.360	ug/l 99
15) Acrylonitrile	5.37	53	241682	648.579	ug/l 100
16) Acetone	4.13	43	198569	589.996	ug/l 98
17) Carbon Disulfide	4.38	76	677418	113.558	ug/l 99
18) Methyl Acetate	4.67	43	104685	116.673	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	347888	80.187	ug/l 99
20) Methylene Chloride	4.92	84	231928	106.237	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	248456	109.479	ug/l 98
22) Diisopropyl ether	6.31	45	760787	140.821	ug/l 99
23) Vinyl Acetate	6.26	43	2351261	734.930	ug/l 99
24) 1,1-Dichloroethane	6.21	63	451013	124.149	ug/l 100
25) 2-Butanone	7.17	43	311612	672.155	ug/l 99
26) 2,2-Dichloropropane	7.17	77	281998	79.599	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	271414	110.563	ug/l 99
28) Bromochloromethane	7.51	49	179628	134.114	ug/l 99
29) Tetrahydrofuran	7.53	42	206340	703.834	ug/l 99
30) Chloroform	7.68	83	449619	116.612	ug/l 98
31) Cyclohexane	7.96	56	423592	115.717	ug/l 96
32) 1,1,1-Trichloroethane	7.87	97	370472	101.444	ug/l 99
36) 1,1-Dichloropropene	8.08	75	365577	104.871	ug/l 100
37) Ethyl Acetate	7.25	43	148194	125.878	ug/l 98
38) Carbon Tetrachloride	8.07	117	344424	92.458	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	461002	100.210	ug/l	99
40) Benzene	8.32	78	997941	107.257	ug/l	98
41) Methacrylonitrile	7.48	41	97416	137.326	ug/l	94
42) 1,2-Dichloroethane	8.40	62	306600	110.807	ug/l	100
43) Isopropyl Acetate	8.43	43	309009	126.301	ug/l	99
44) Trichloroethene	9.09	130	259624	93.486	ug/l	97
45) 1,2-Dichloropropane	9.37	63	248748	113.520	ug/l	100
46) Dibromomethane	9.46	93	125865	101.668	ug/l	99
47) Bromodichloromethane	9.65	83	345375	103.967	ug/l	97
48) Methyl methacrylate	9.43	41	146837	127.568	ug/l	99
49) 1,4-Dioxane	9.46	88	31991	1957.757	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	737932	640.029	ug/l	99
52) Toluene	10.39	92	653737	101.501	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	357744	108.811	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	414656	108.193	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	176663	101.877	ug/l	95
56) Ethyl methacrylate	10.65	69	251272	111.129	ug/l	98
57) 1,3-Dichloropropane	10.93	76	318951	109.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	603734	573.787	ug/l	100
59) 2-Hexanone	10.97	43	502807	617.434	ug/l	100
60) Dibromochloromethane	11.13	129	218869	96.988	ug/l	99
61) 1,2-Dibromoethane	11.24	107	172421	102.307	ug/l	99
64) Tetrachloroethene	10.86	164	211470	87.327	ug/l	93
65) Chlorobenzene	11.66	112	668176	98.347	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	241221	98.940	ug/l	99
67) Ethyl Benzene	11.73	91	1291783	101.547	ug/l	98
68) m/p-Xylenes	11.84	106	979873	198.572	ug/l	97
69) o-Xylene	12.16	106	453567	98.123	ug/l	100
70) Styrene	12.18	104	802493	101.690	ug/l	100
71) Bromoform	12.35	173	122622	90.679	ug/l #	98
73) Isopropylbenzene	12.46	105	1265872	103.981	ug/l	99
74) N-amyl acetate	12.27	43	310875	139.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	204232	115.589	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	281505	202.298	ug/l #	100
77) Bromobenzene	12.74	156	266011	96.944	ug/l	99
78) n-propylbenzene	12.80	91	1500404	105.428	ug/l	99
79) 2-Chlorotoluene	12.89	91	851481	106.184	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1054959	101.027	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	76047	120.712	ug/l	98
82) 4-Chlorotoluene	12.99	91	910752	107.091	ug/l	100
83) tert-Butylbenzene	13.21	119	903212	99.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1063093	102.922	ug/l	98
85) sec-Butylbenzene	13.38	105	1253775	99.361	ug/l	100
86) p-Isopropyltoluene	13.50	119	1166260	100.016	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	533422	97.245	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	508277	94.489	ug/l	96
89) n-Butylbenzene	13.82	91	1122713	103.816	ug/l	99
90) Hexachloroethane	14.09	117	216710	101.140	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	462364	97.534	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	35496	112.528	ug/l	97

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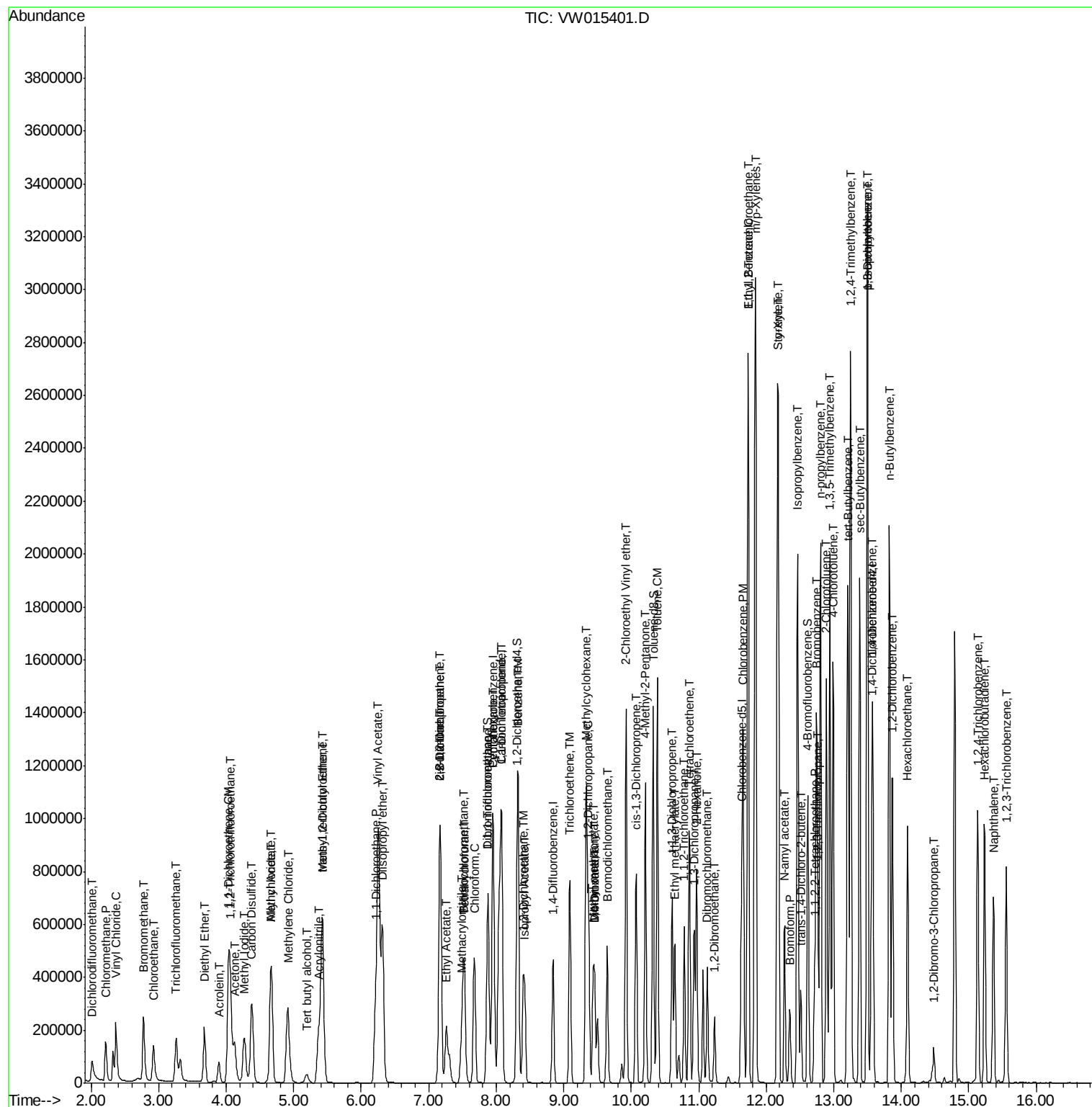
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	319848	97.567	ug/l	98
94) Hexachlorobutadiene	15.23	225	181063	83.702	ug/l	98
95) Naphthalene	15.36	128	596387	110.970	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	273320	101.808	ug/l	98

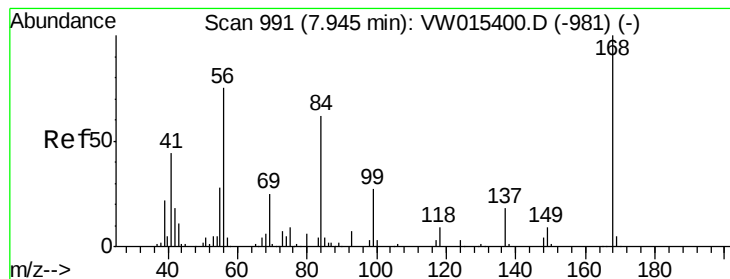
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: May 05 18:29:48 2020
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

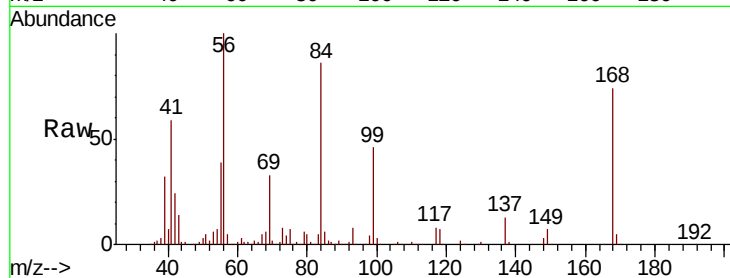
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 227543

Ion Ratio Lower Upper

168 100

99 61.8 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

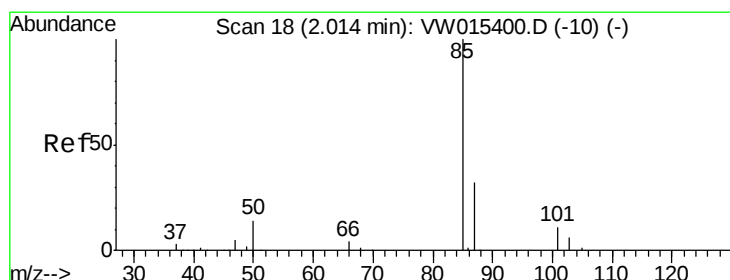
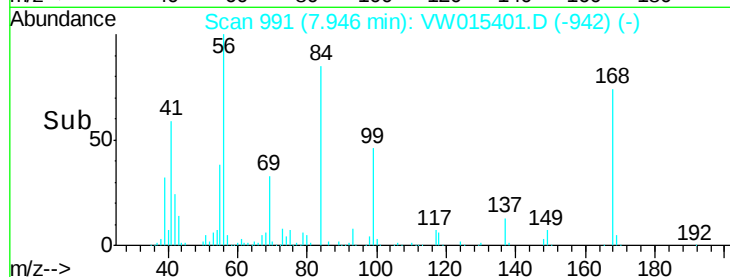
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 83.919 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015401.D

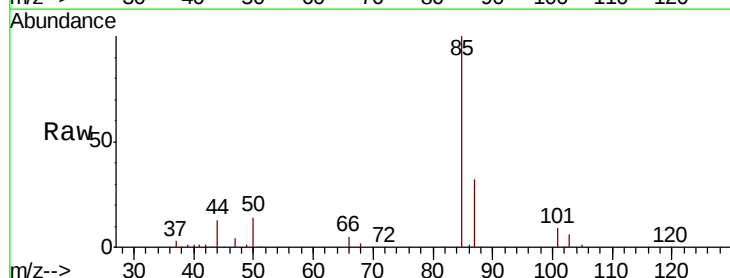
Acq: 05 May 2020 17:51

Tgt Ion: 85 Resp: 145089

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

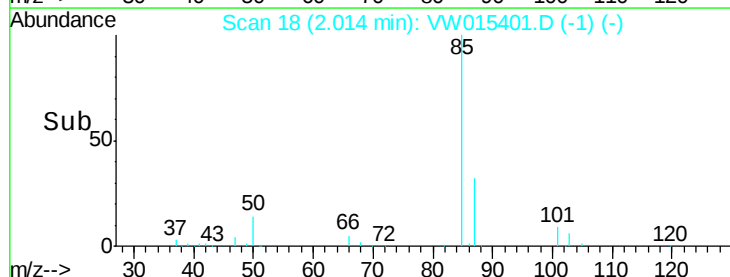
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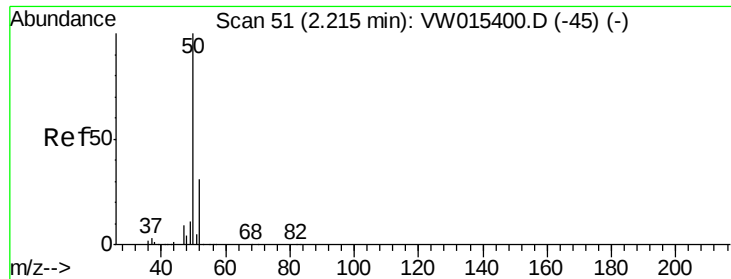
20000

10000

0

Time-->





#3

Chloromethane

Concen: 88.228 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

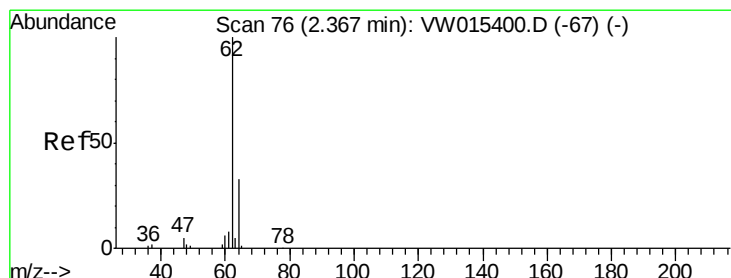
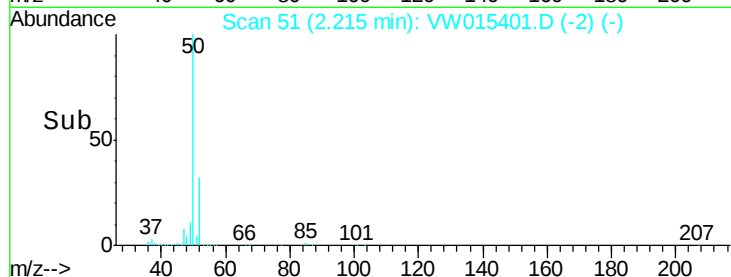
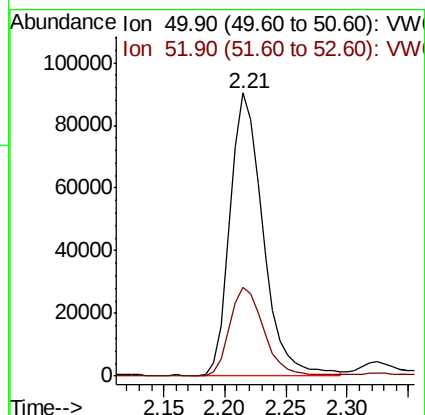
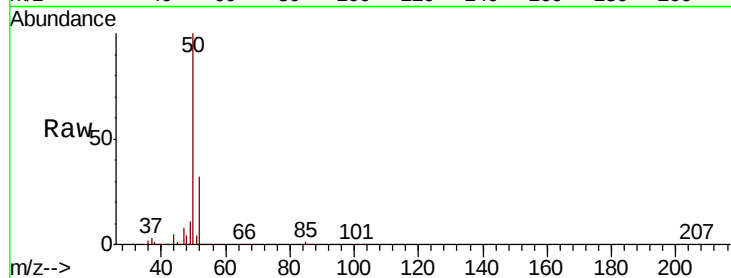
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 167444

Ion Ratio Lower Upper

50 100

52 31.6 25.0 37.6



#4

Vinyl Chloride

Concen: 105.218 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015401.D

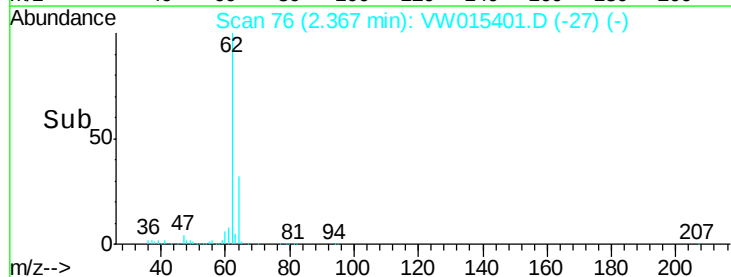
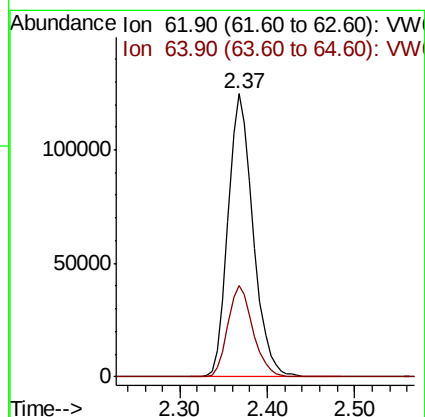
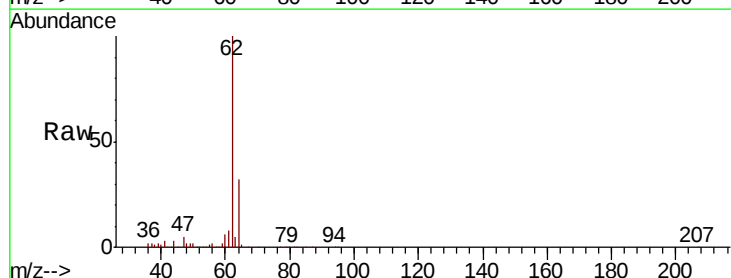
Acq: 05 May 2020 17:51

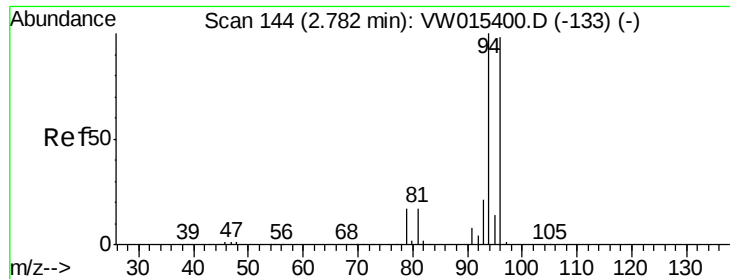
Tgt Ion: 62 Resp: 247549

Ion Ratio Lower Upper

62 100

64 32.4 26.4 39.6





#5

Bromomethane

Concen: 111.869 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

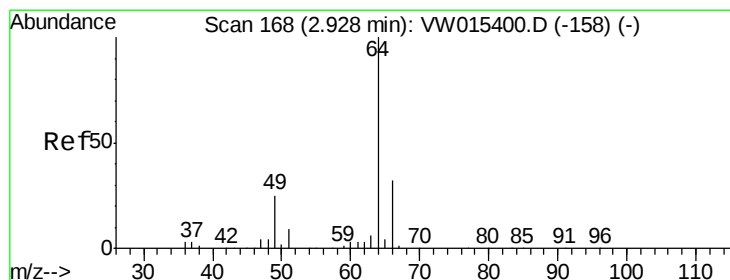
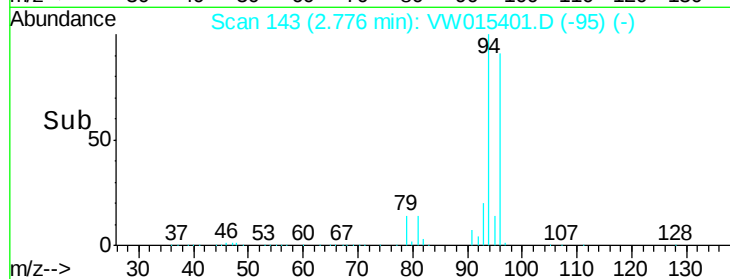
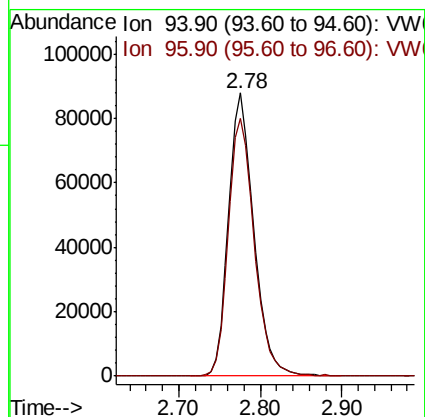
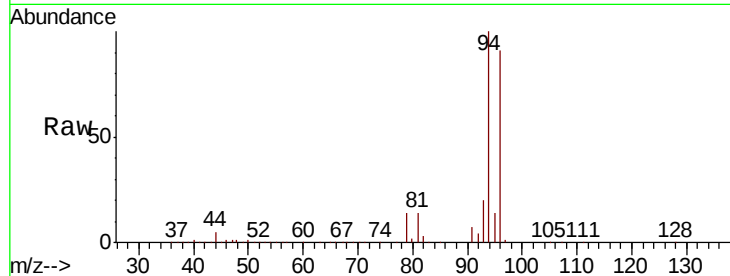
ClientSampleId :

Tot Ion: 94 Resp: 187525

Ion Ratio Lower Upper

94 100

96 91.0 78.8 118.2



#6

Chloroethane

Concen: 112.775 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015401.D

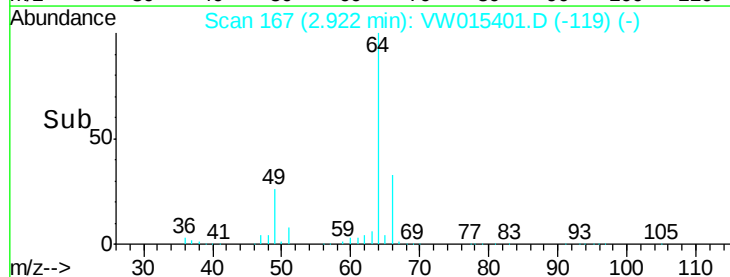
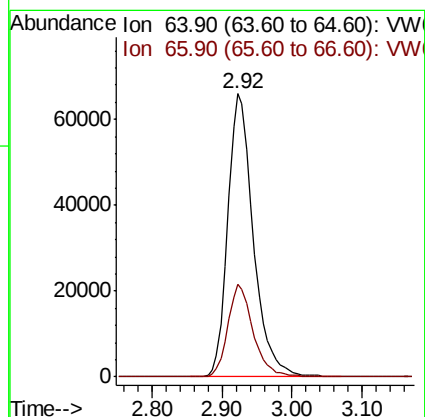
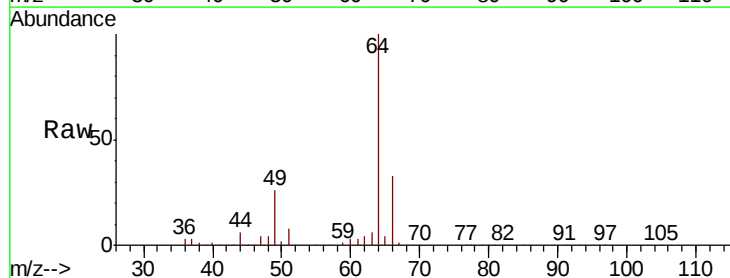
Acq: 05 May 2020 17:51

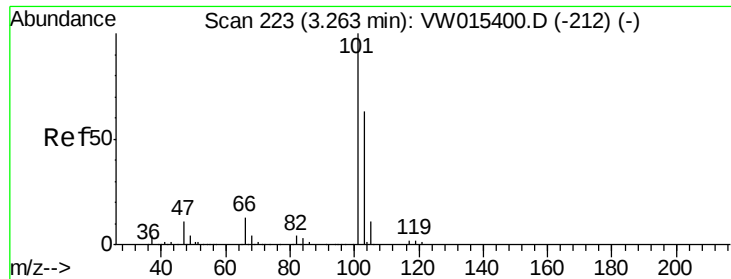
Tgt Ion: 64 Resp: 167387

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0



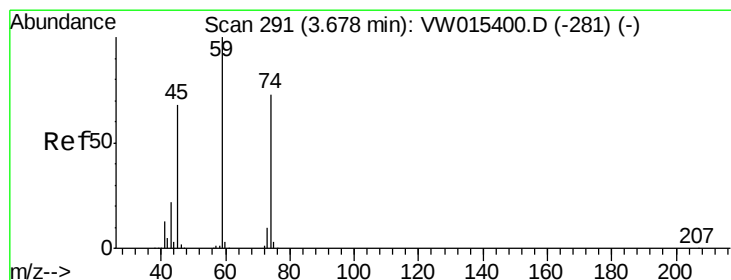
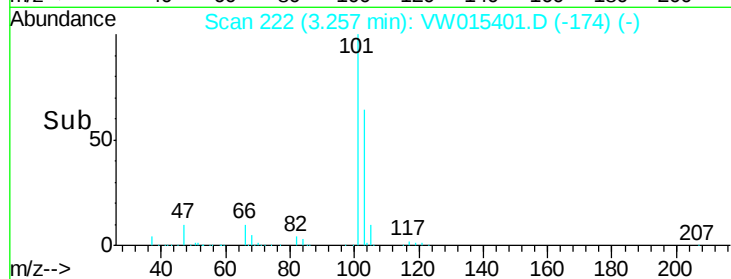
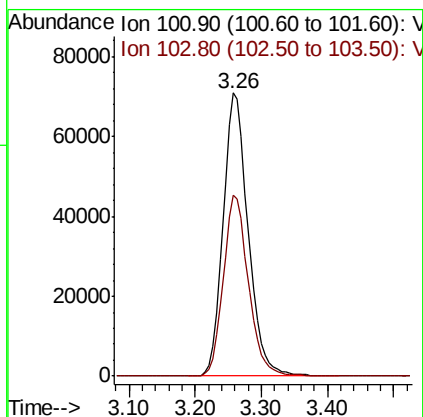
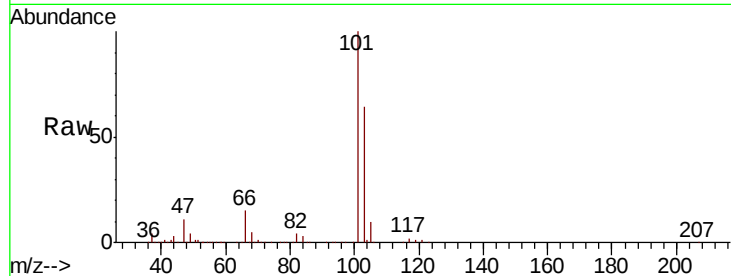


#7

Trichlorofluoromethane
Concen: 60.467 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampled :

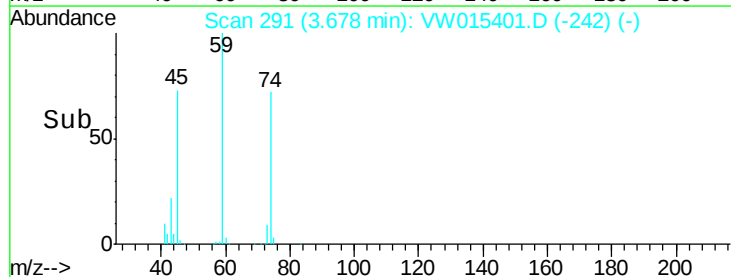
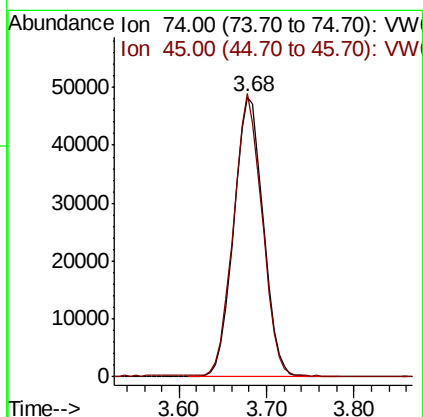
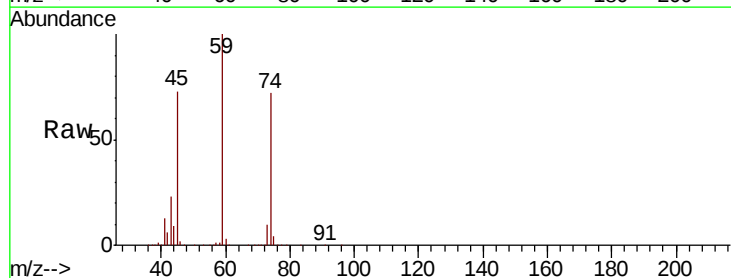
Tot Ion:101 Resp: 185808
Ion Ratio Lower Upper
101 100
103 63.8 50.2 75.4

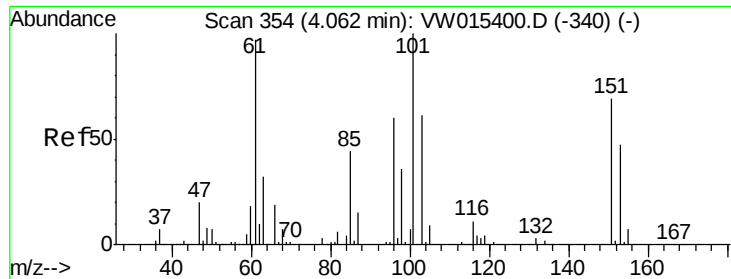


#8

Diethyl Ether
Concen: 118.431 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 74 Resp: 113161
Ion Ratio Lower Upper
74 100
45 98.4 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.949 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

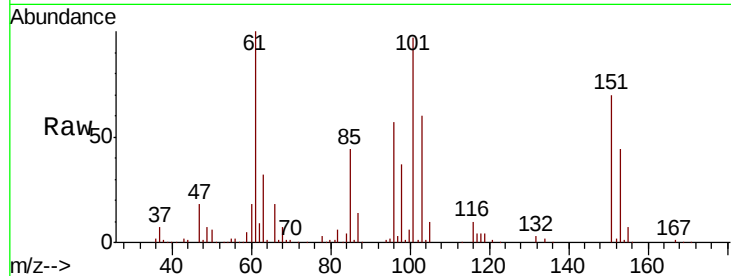
Tot Ion:101 Resp: 213841

Ion Ratio Lower Upper

101 100

85 45.5 37.3 55.9

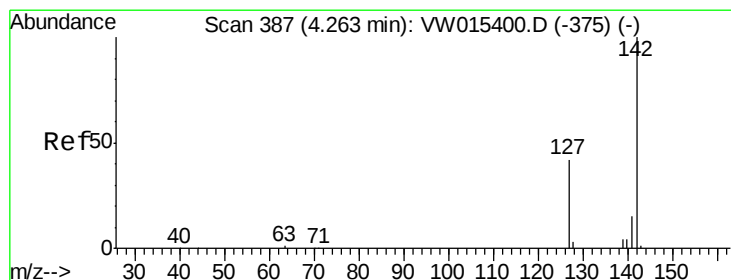
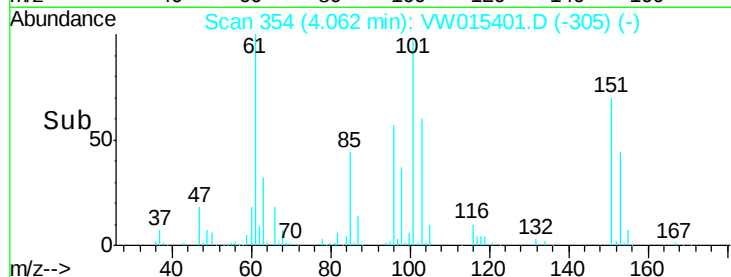
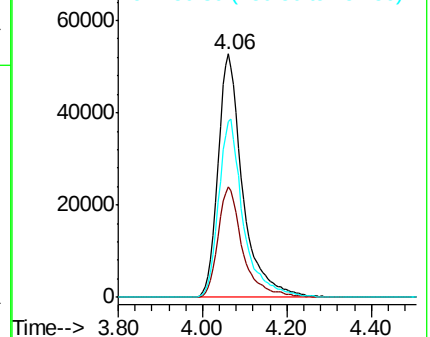
151 73.1 58.9 88.3



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: 142.937 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

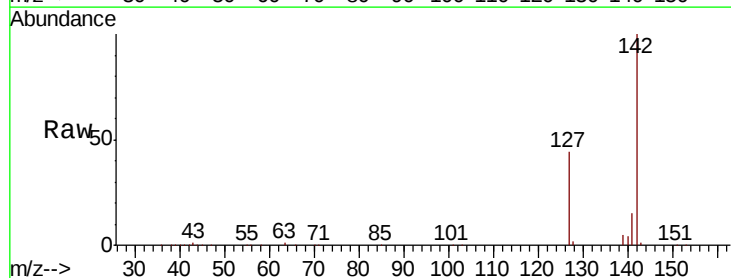
Tgt Ion:142 Resp: 324906

Ion Ratio Lower Upper

142 100

127 44.0 35.4 53.2

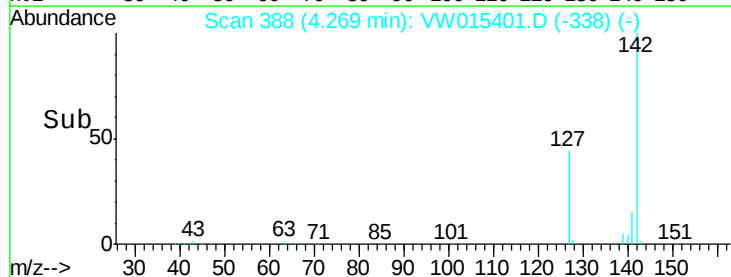
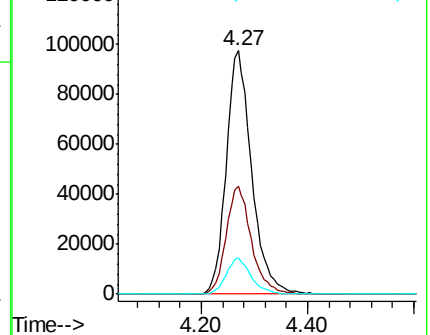
141 14.6 11.7 17.5

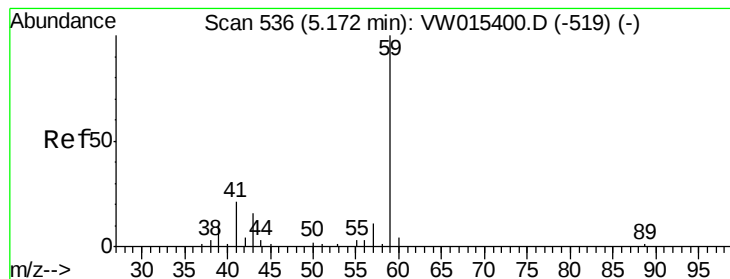


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



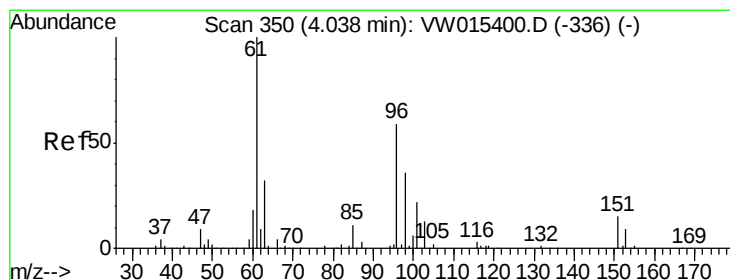
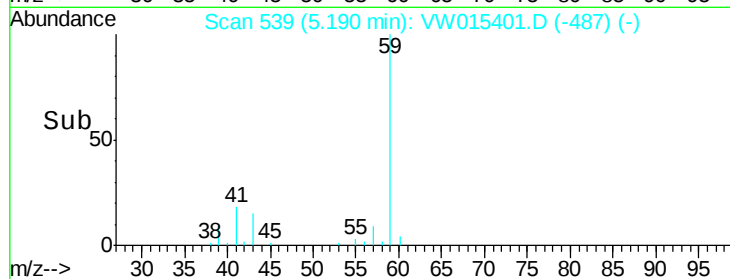
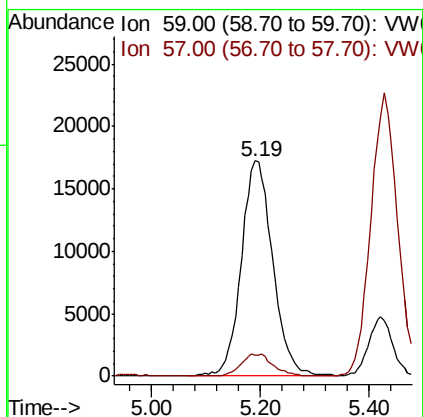
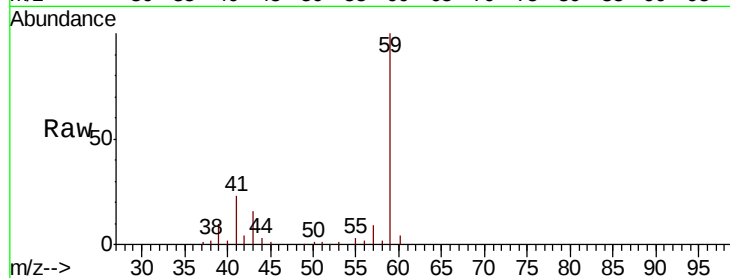


#11

Tert butyl alcohol
Concen: 450.705 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampled :

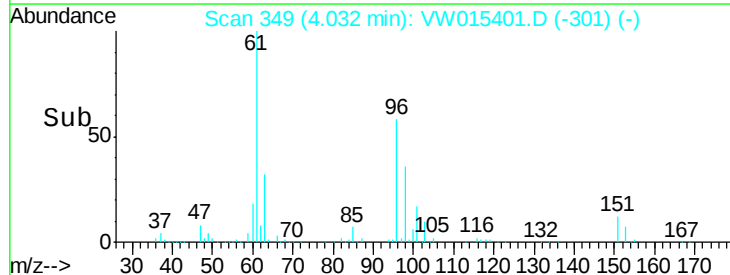
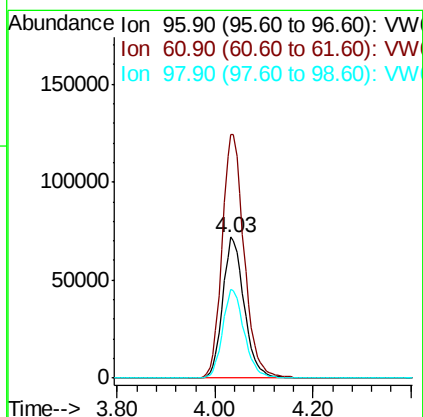
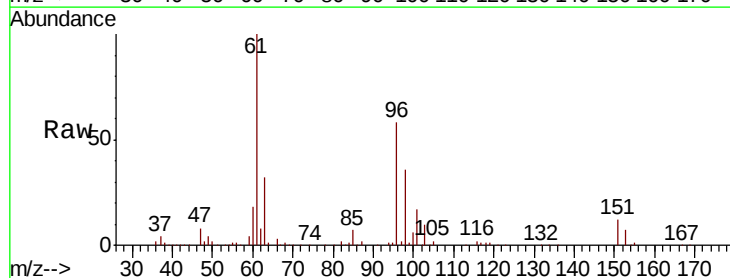
Tot Ion: 59 Resp: 69424
Ion Ratio Lower Upper
59 100
57 10.4 8.6 13.0

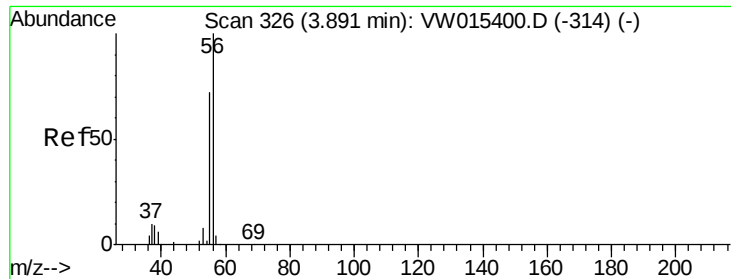


#12

1,1-Dichloroethene
Concen: 109.734 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 96 Resp: 220068
Ion Ratio Lower Upper
96 100
61 173.1 135.8 203.8
98 63.0 48.6 72.8





#13

Acrolein

Concen: 934.592 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

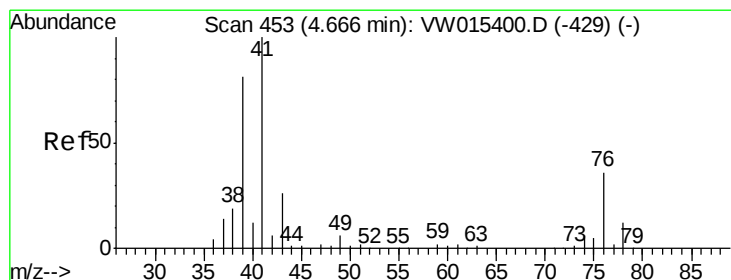
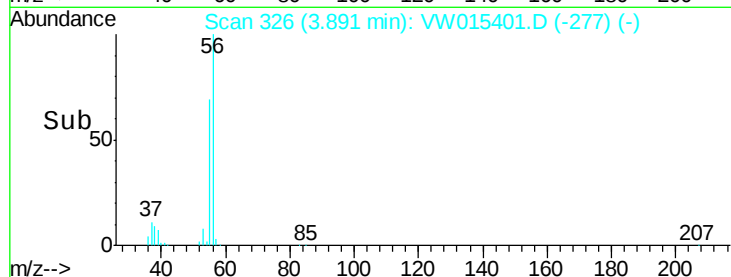
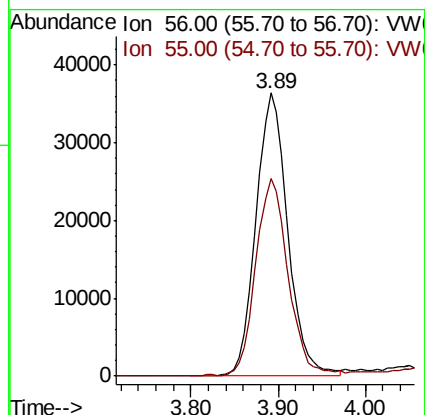
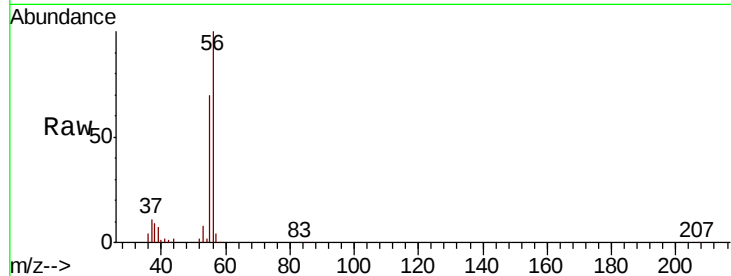
ClientSampleId :

Tot Ion: 56 Resp: 92147

Ion Ratio Lower Upper

56 100

55 70.7 56.4 84.6



#14

Allyl chloride

Concen: 139.360 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

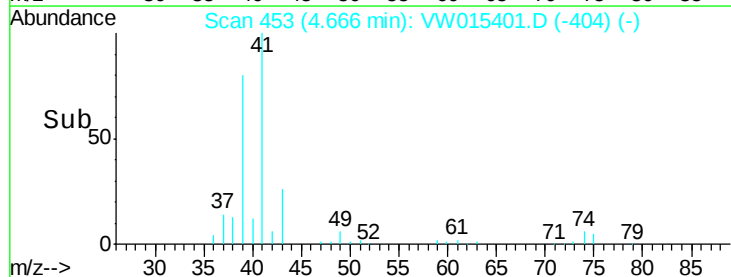
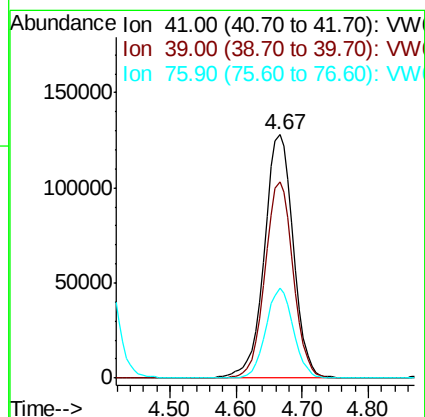
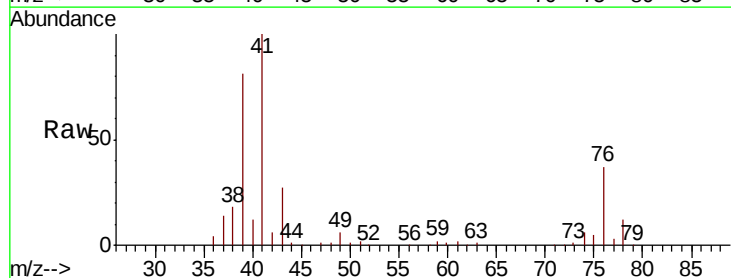
Tgt Ion: 41 Resp: 390245

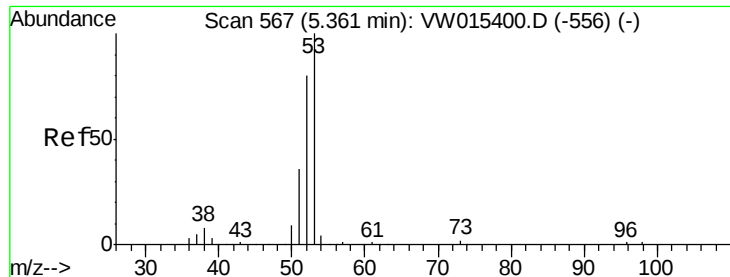
Ion Ratio Lower Upper

41 100

39 78.3 63.6 95.4

76 34.9 28.4 42.6





#15

Acrylonitrile

Concen: 648.579 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampled :

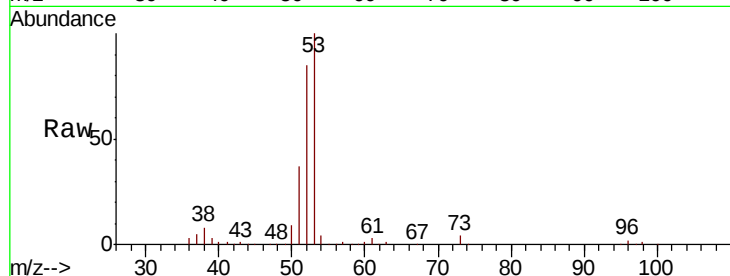
Tot Ion: 53 Resp: 241682

Ion Ratio Lower Upper

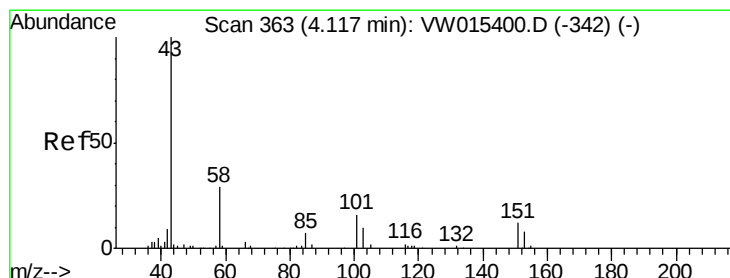
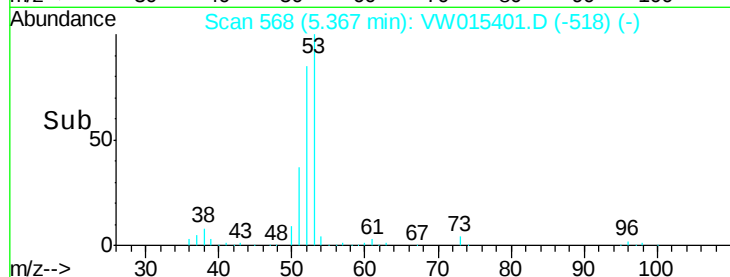
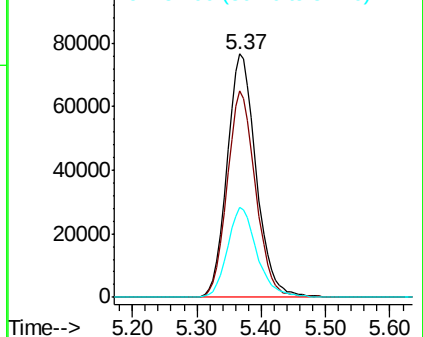
53 100

52 83.0 66.6 99.8

51 37.7 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 589.996 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015401.D

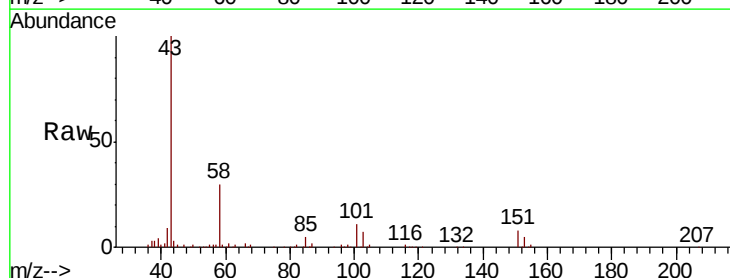
Acq: 05 May 2020 17:51

Tgt Ion: 43 Resp: 198569

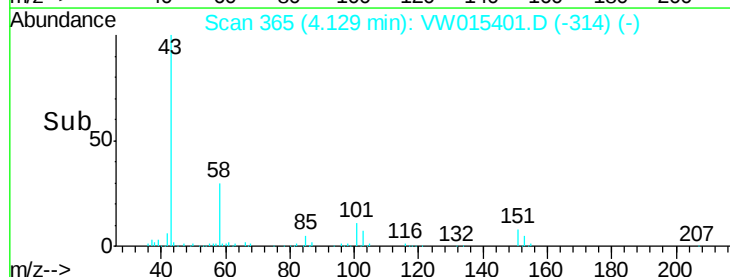
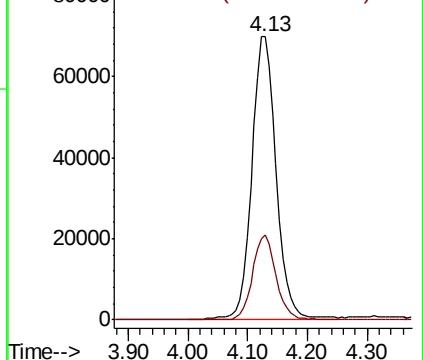
Ion Ratio Lower Upper

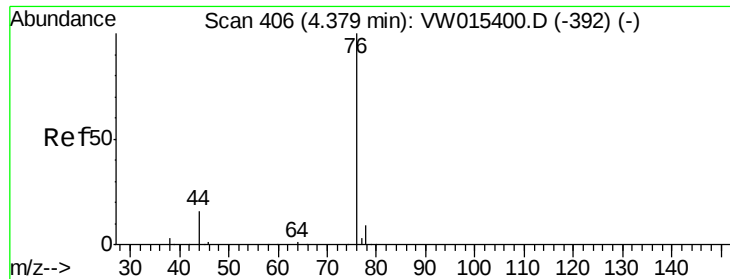
43 100

58 30.1 23.4 35.0



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

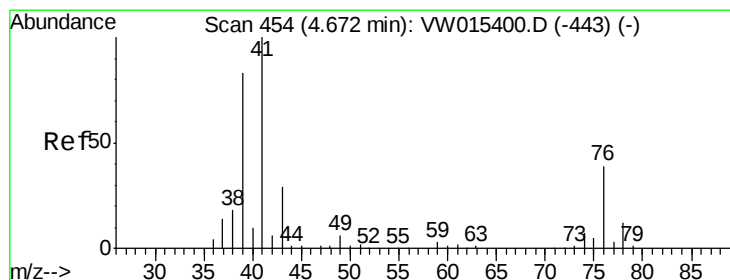
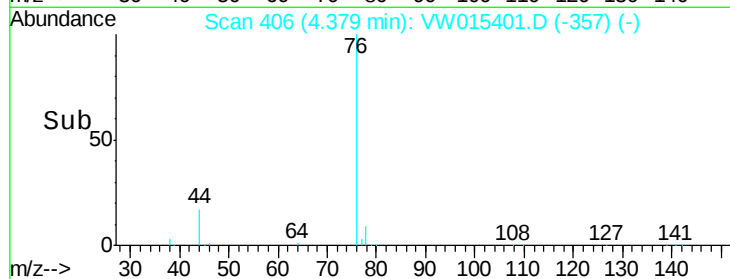
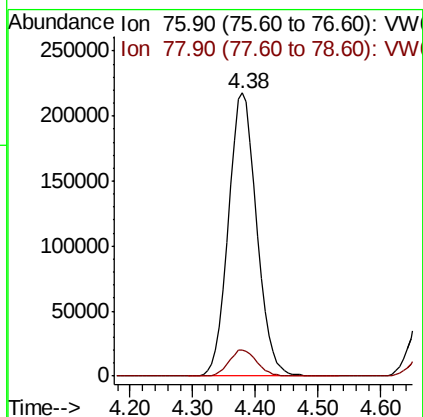
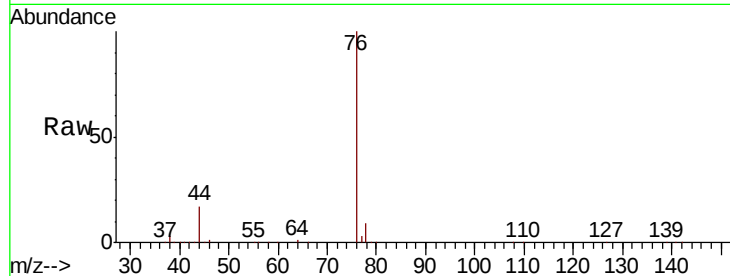




#17
Carbon Disulfide
Concen: 113.558 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

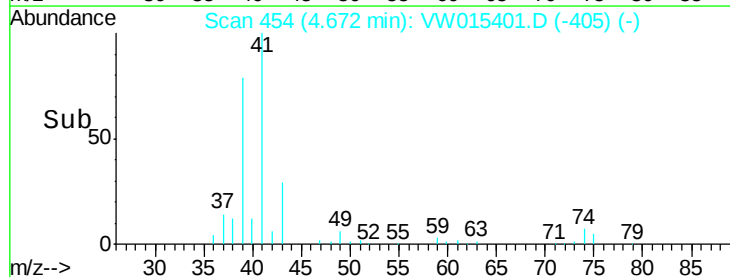
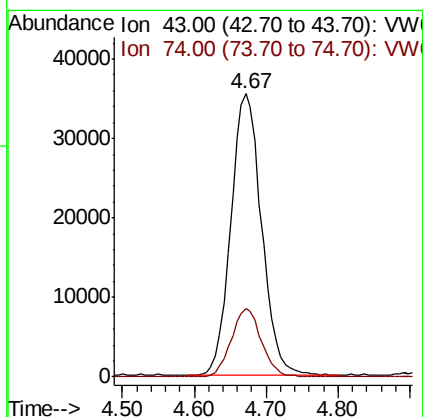
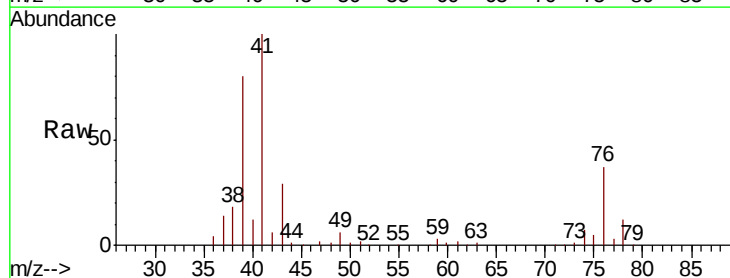
Instrument :
MSVOA_W
ClientSampleId :

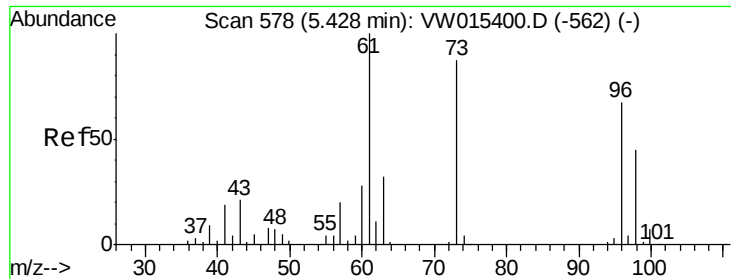
Tot Ion: 76 Resp: 677418
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 116.673 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 43 Resp: 104685
Ion Ratio Lower Upper
43 100
74 23.8 18.7 28.1

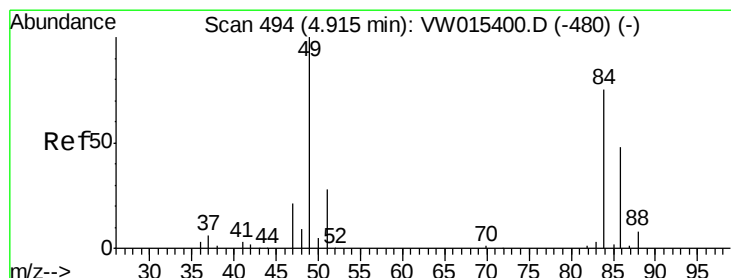
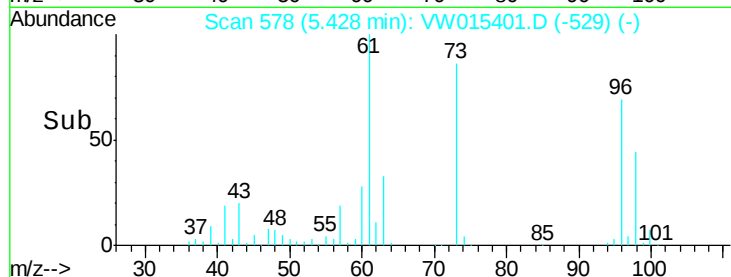
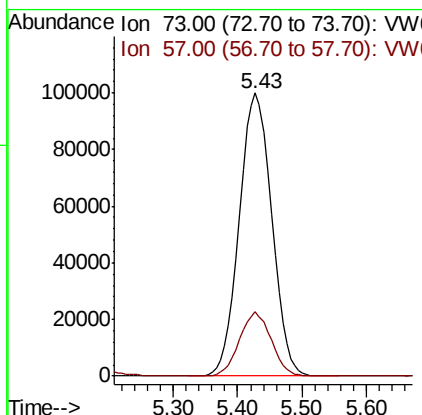
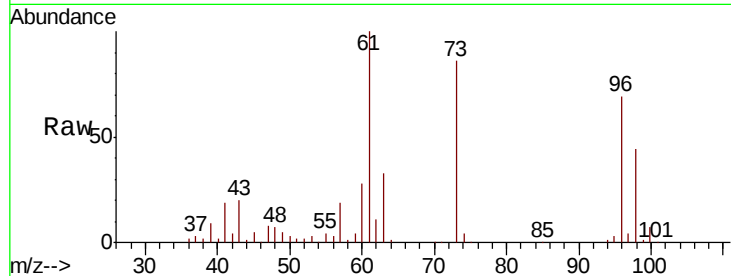




#19
Methvl tert-butvl Ether
Concen: 80.187 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

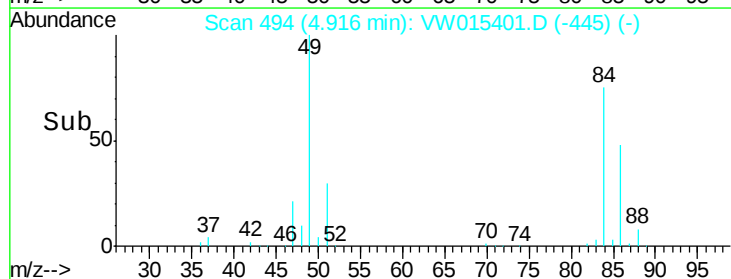
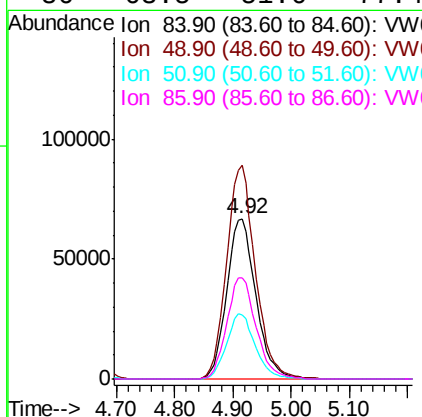
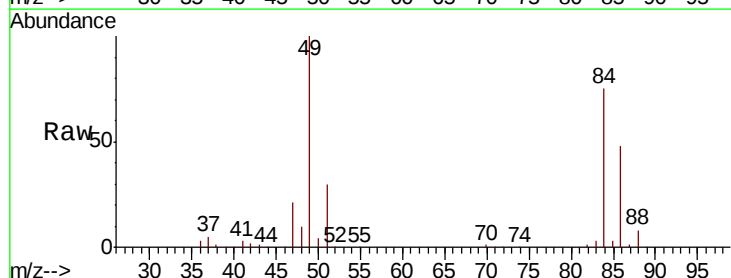
Instrument :
MSVOA_W
ClientSampled :

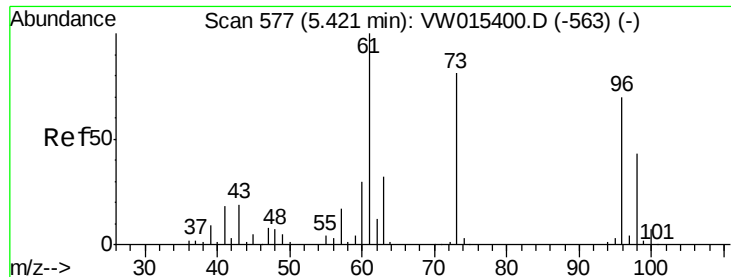
Tot Ion: 73 Resp: 347888
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7



#20
Methylene Chloride
Concen: 106.237 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 84 Resp: 231928
Ion Ratio Lower Upper
84 100
49 133.3 106.4 159.6
51 40.1 30.2 45.2
86 63.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 109.479 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :

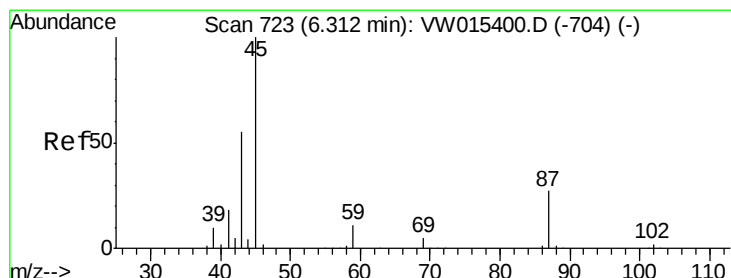
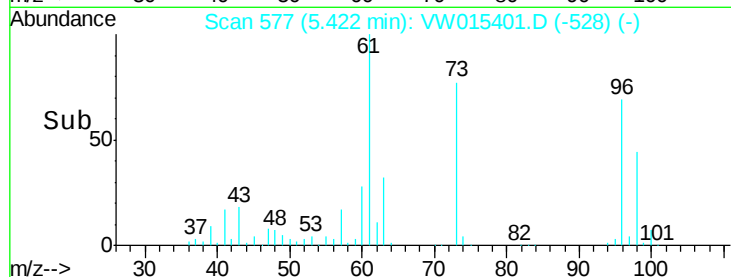
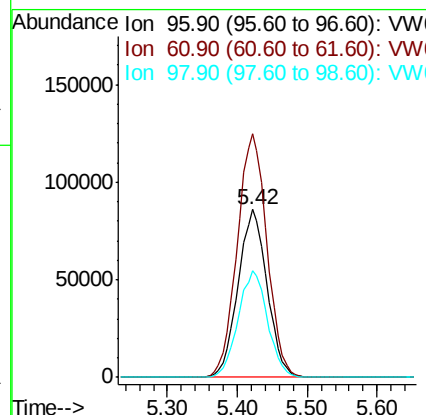
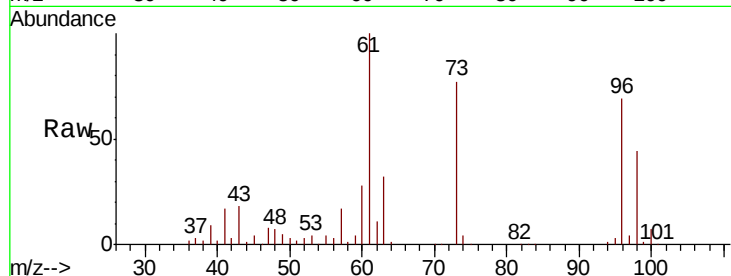
Tot Ion: 96 Resp: 248456

Ion Ratio Lower Upper

96 100

61 145.1 114.9 172.3

98 63.5 49.4 74.0



#22

Diisopropyl ether

Concen: 140.821 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion: 45 Resp: 760787

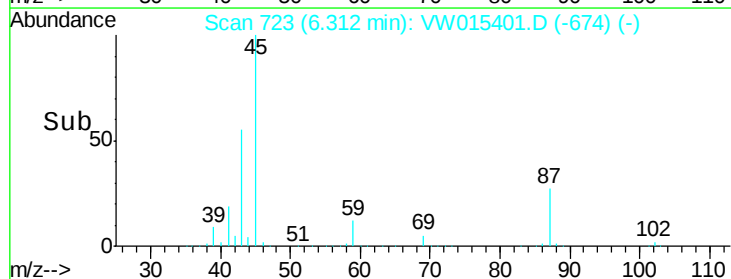
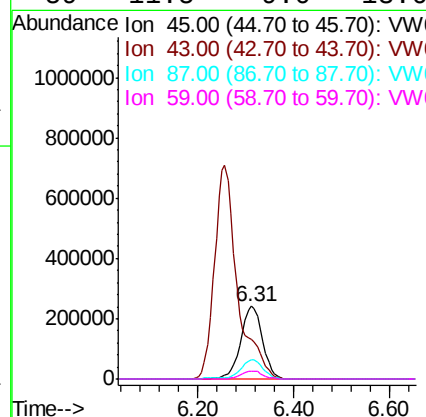
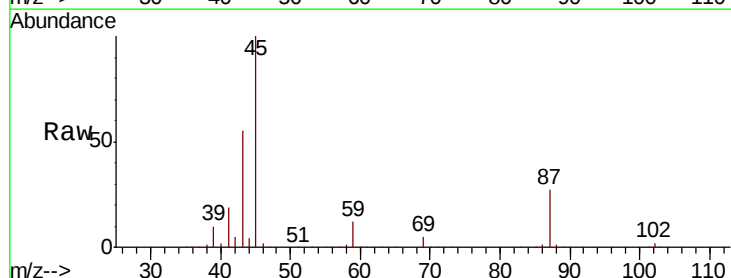
Ion Ratio Lower Upper

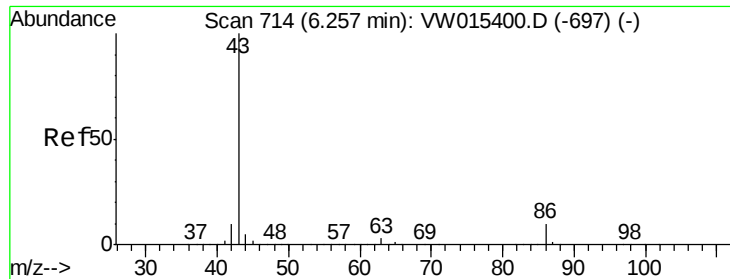
45 100

43 54.6 44.2 66.4

87 26.8 21.6 32.4

59 11.5 9.0 13.6





#23

Vinyl Acetate

Concen: 734.930 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

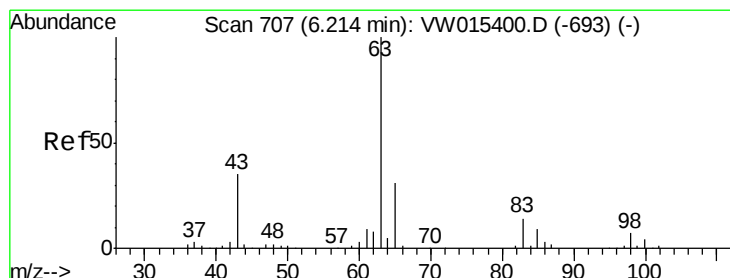
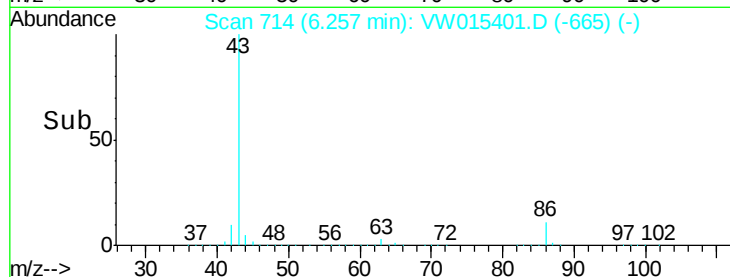
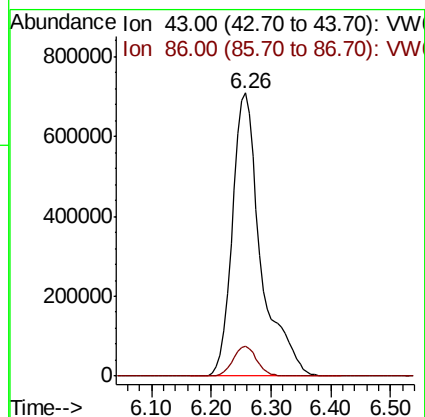
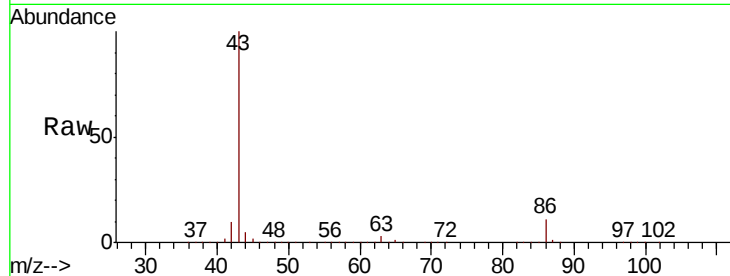
ClientSampled :

Tot Ion: 43 Resp: 2351261

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 124.149 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

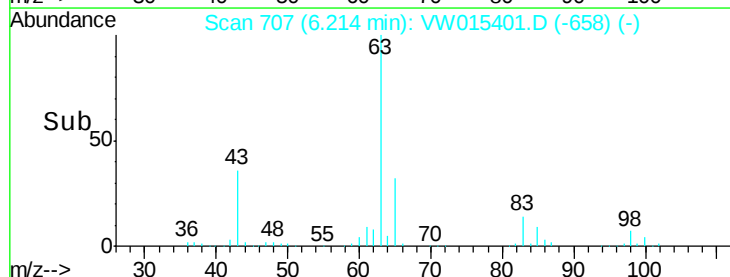
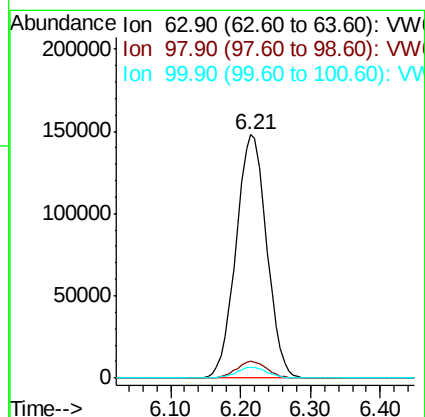
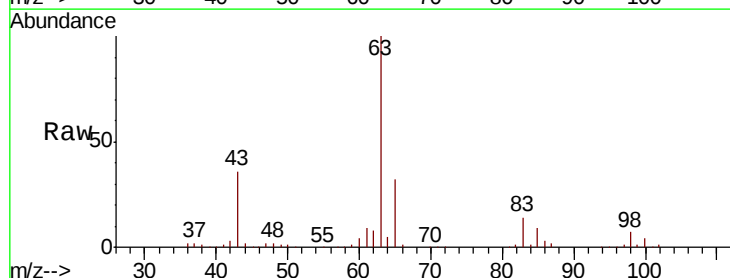
Tgt Ion: 63 Resp: 451013

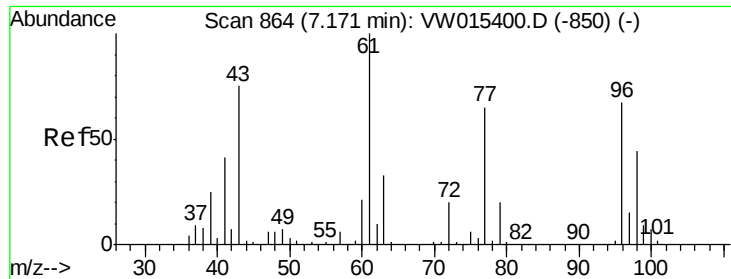
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 672.155 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

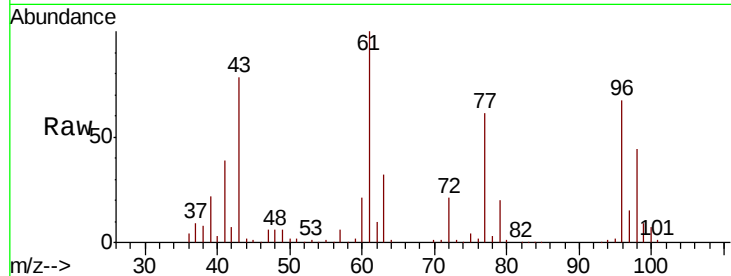
ClientSampled :

Tot Ion: 43 Resp: 311612

Ion Ratio Lower Upper

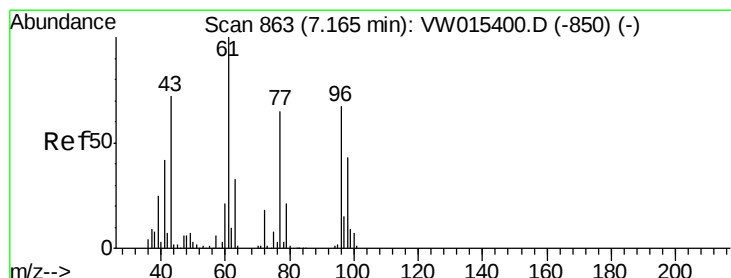
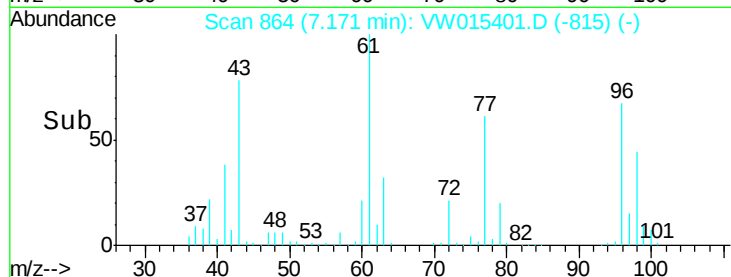
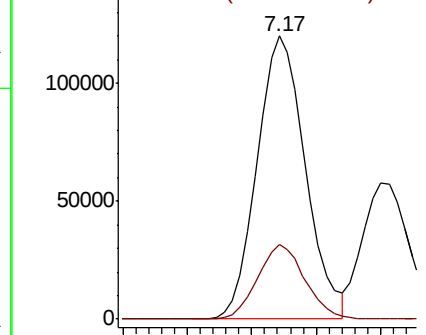
43 100

72 26.4 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 79.599 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015401.D

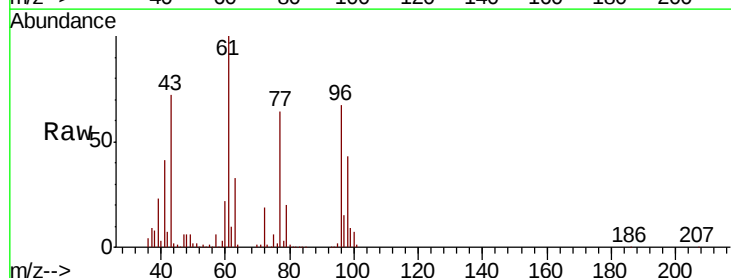
Acq: 05 May 2020 17:51

Tgt Ion: 77 Resp: 281998

Ion Ratio Lower Upper

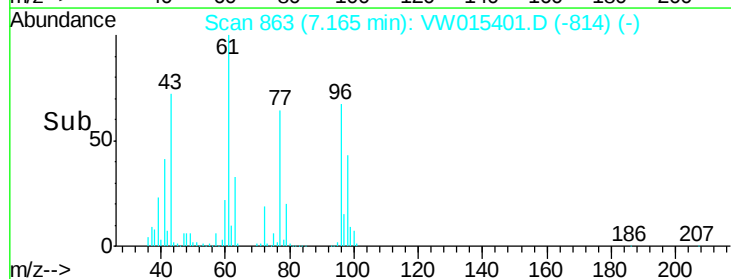
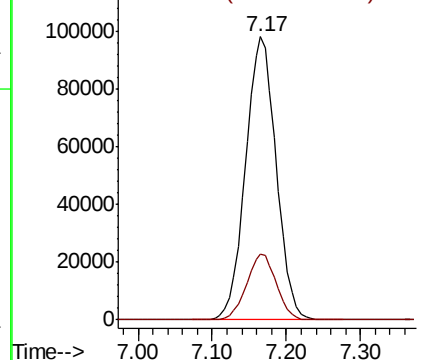
77 100

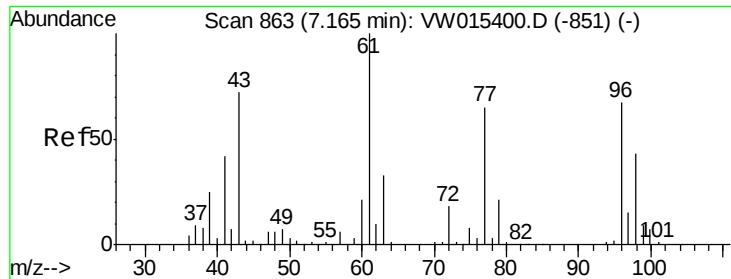
97 22.7 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



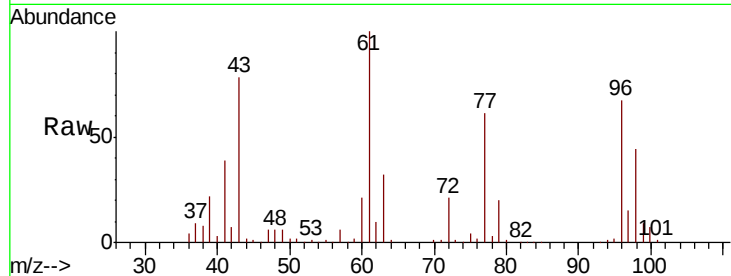


#27

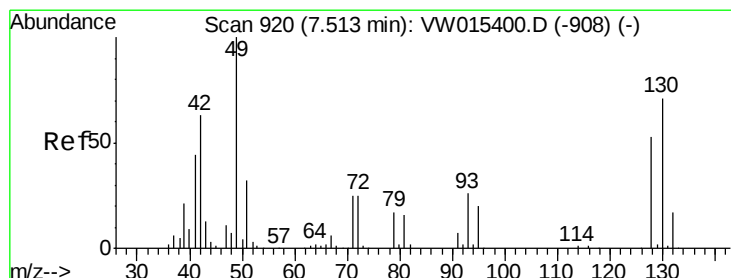
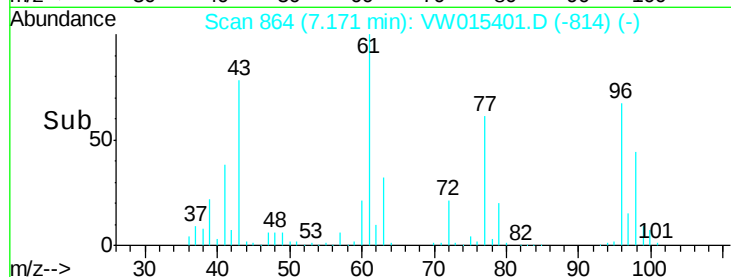
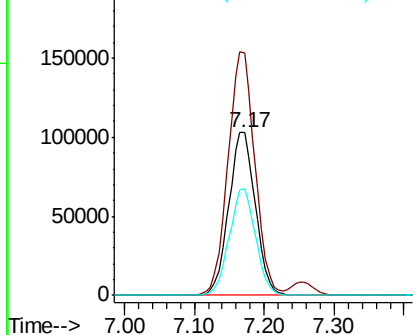
cis-1,2-Dichloroethene
 Concen: 110.563 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 271414
 Ion Ratio Lower Upper
 96 100
 61 150.6 0.0 304.6
 98 64.5 0.0 129.2



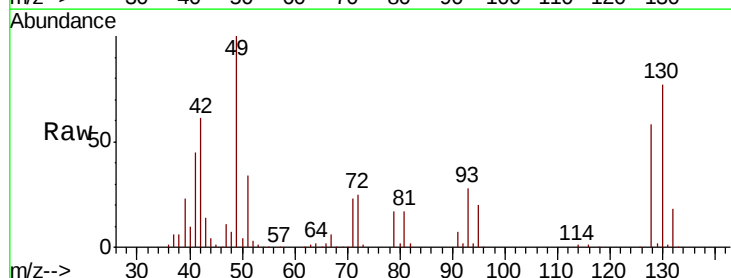
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



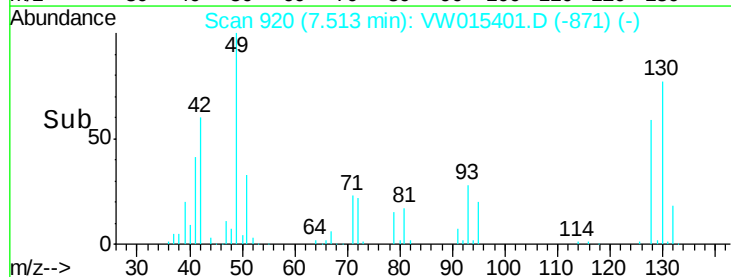
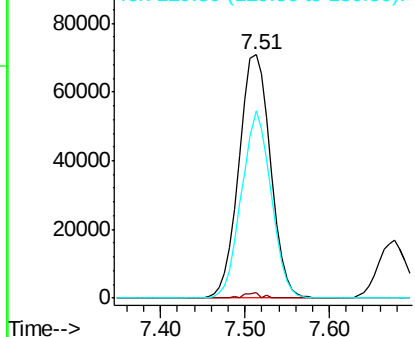
#28

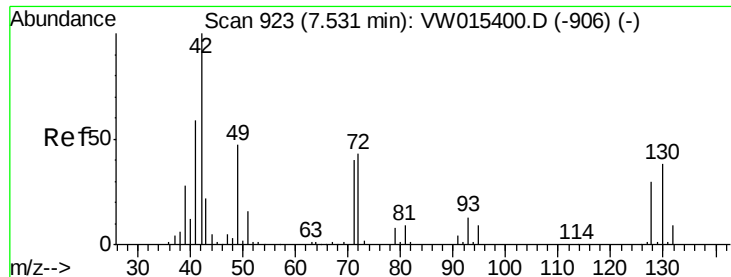
Bromochloromethane
 Concen: 134.114 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion: 49 Resp: 179628
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.0
 130 72.1 57.0 85.4



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





#29

Tetrahydrofuran

Concen: 703.834 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

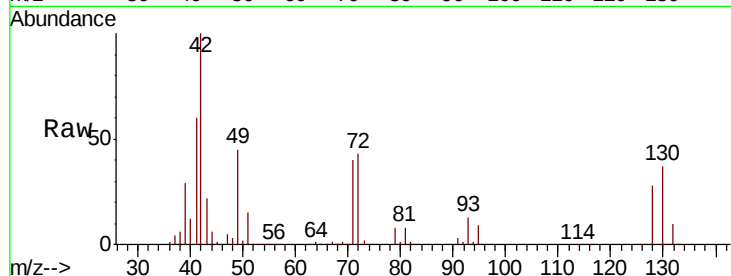
Tot Ion: 42 Resp: 206340

Ion Ratio Lower Upper

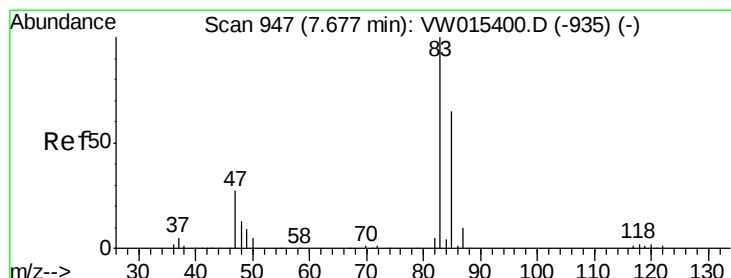
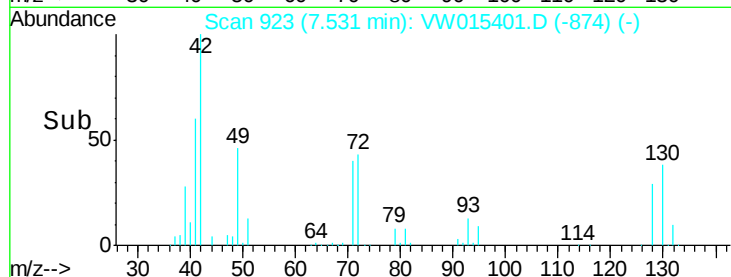
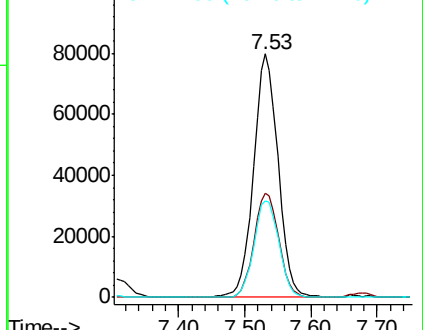
42 100

72 43.1 33.6 50.4

71 40.5 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 116.612 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015401.D

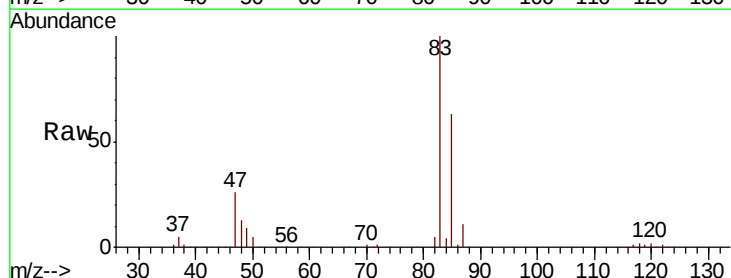
Acq: 05 May 2020 17:51

Tgt Ion: 83 Resp: 449619

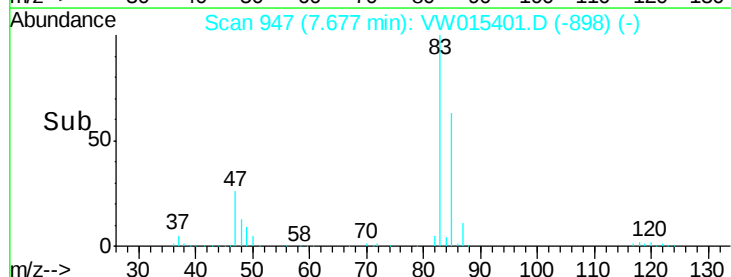
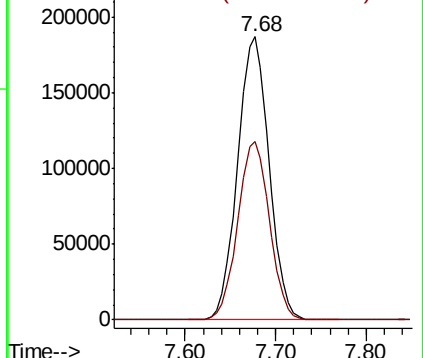
Ion Ratio Lower Upper

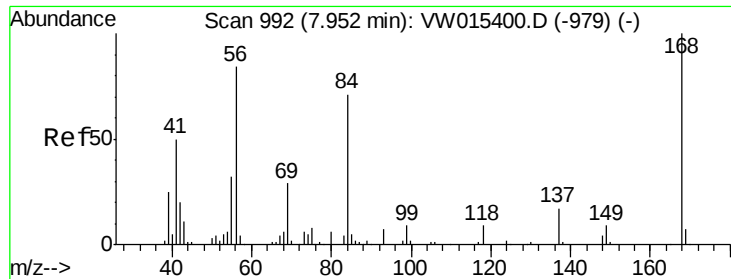
83 100

85 63.2 51.8 77.6



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

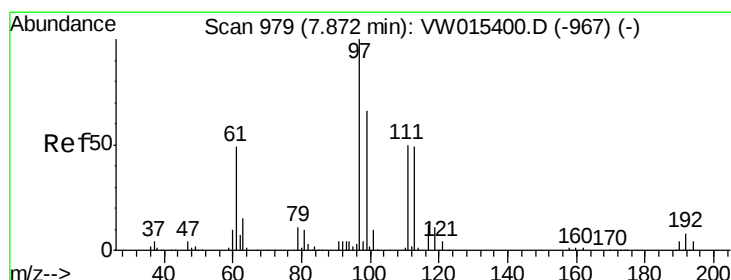
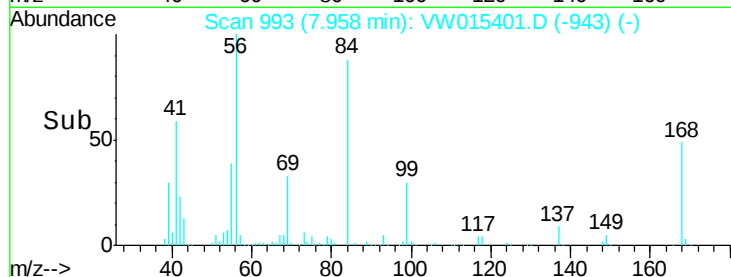
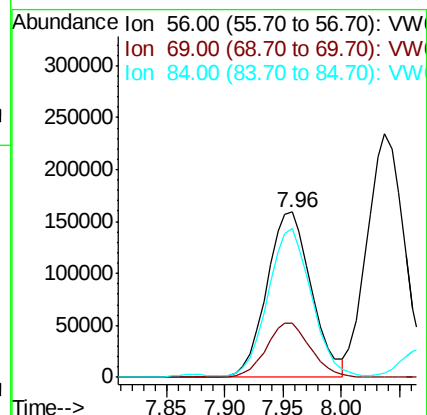
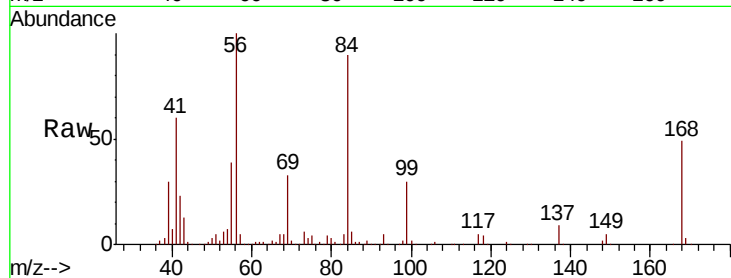




#31
Cyclohexane
Concen: 115.717 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

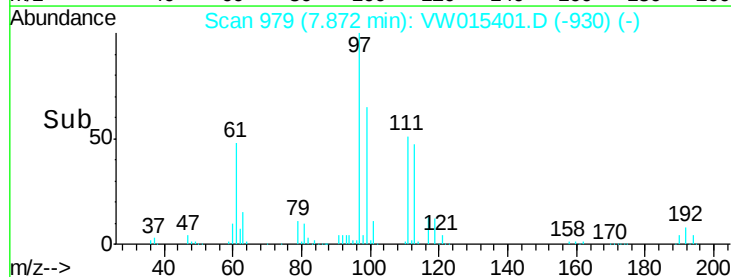
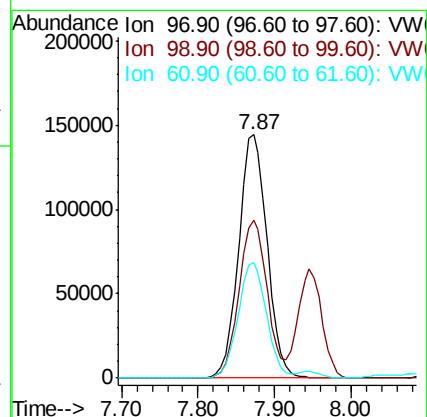
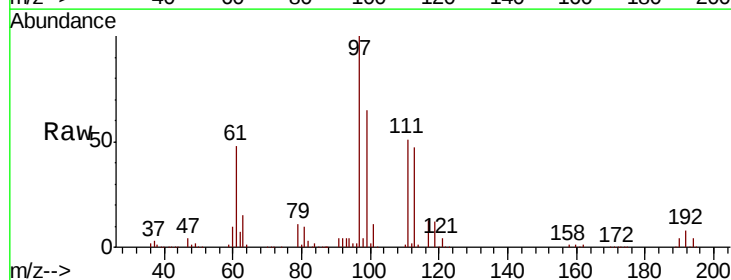
Instrument :
MSVOA_W
ClientSampled :

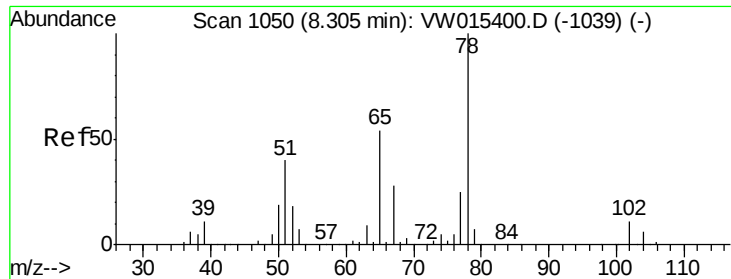
Tot Ion: 56 Resp: 423592
Ion Ratio Lower Upper
56 100
69 32.7 27.2 40.8
84 88.6 67.7 101.5



#32
1,1,1-Trichloroethane
Concen: 101.444 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 97 Resp: 370472
Ion Ratio Lower Upper
97 100
99 65.0 50.7 76.1
61 47.6 38.0 57.0

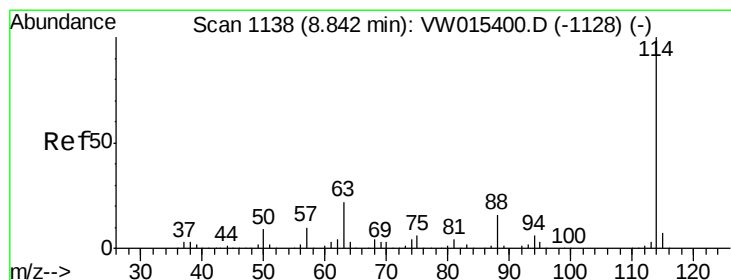
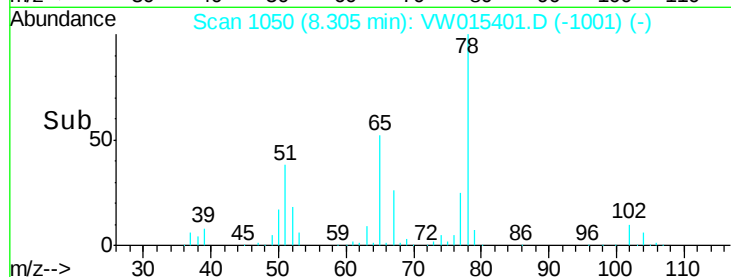
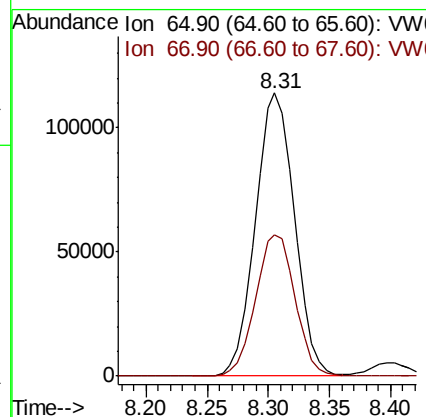
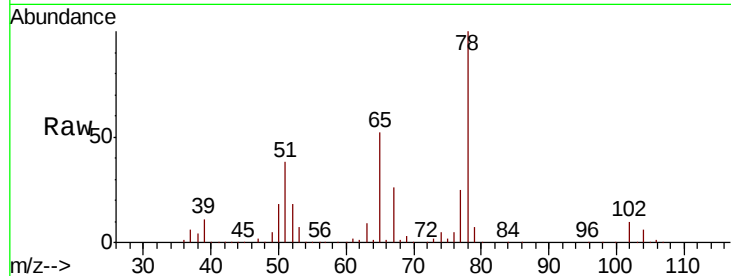




#33
 1,2-Dichloroethane-d4
 Concen: 128.626 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

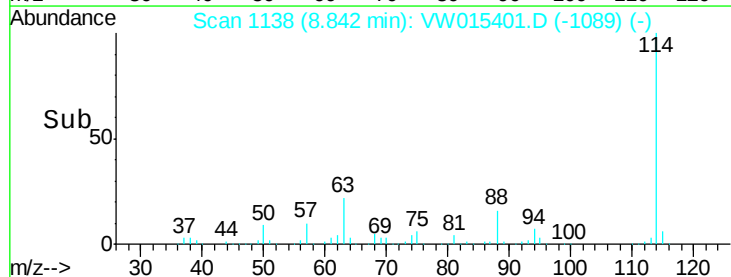
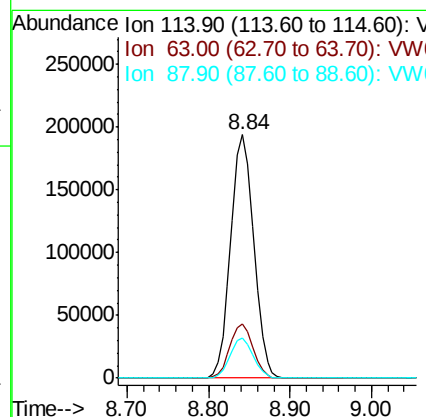
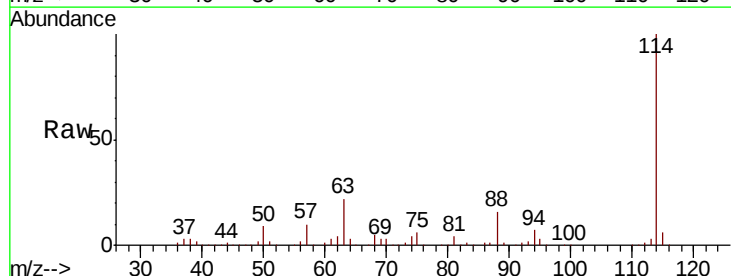
Instrument :
 MSVOA_W
 ClientSampleId :

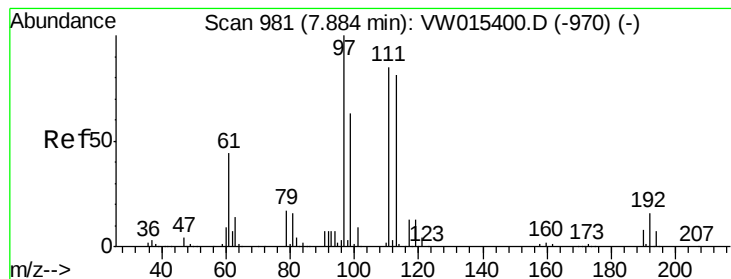
Tot Ion: 65 Resp: 253453
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion: 114 Resp: 378074
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 16.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 104.642 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampled :

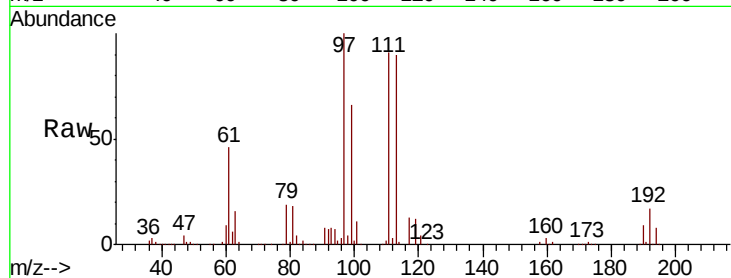
Tot Ion:113 Resp: 220140

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

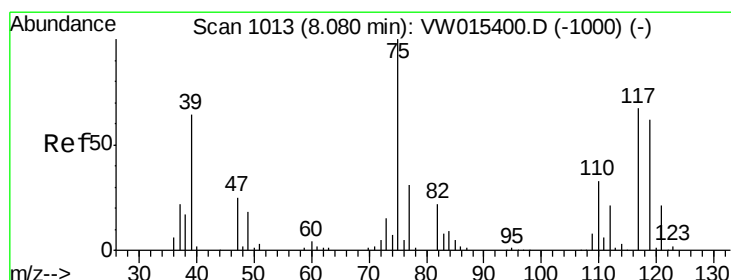
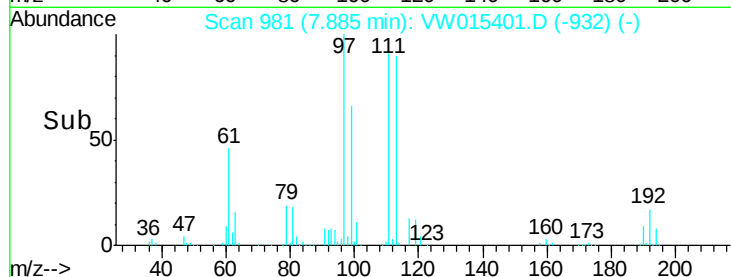
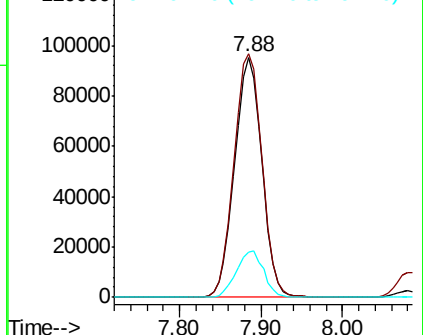
192 19.4 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 104.871 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

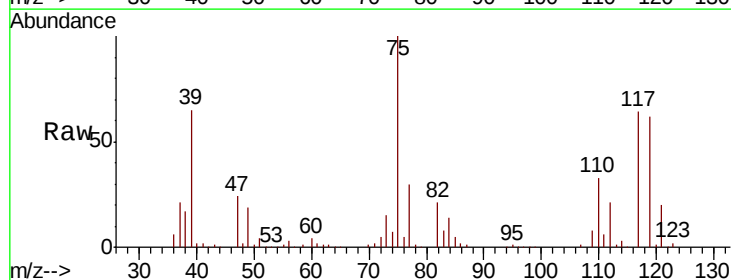
Tgt Ion: 75 Resp: 365577

Ion Ratio Lower Upper

75 100

110 33.5 16.6 49.8

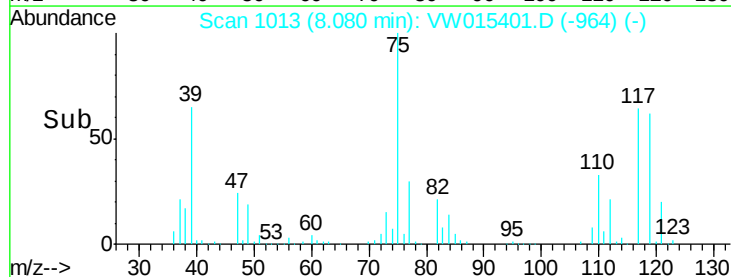
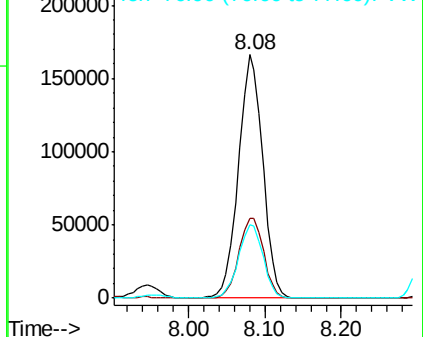
77 30.8 24.5 36.7

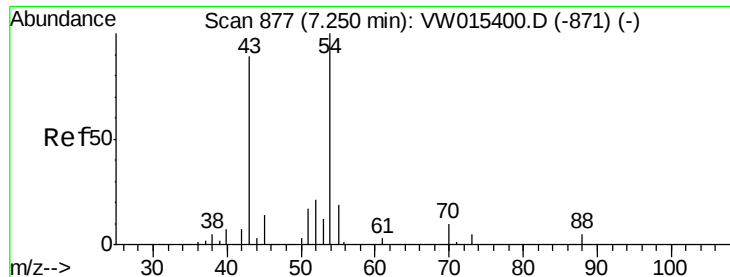


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 125.878 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

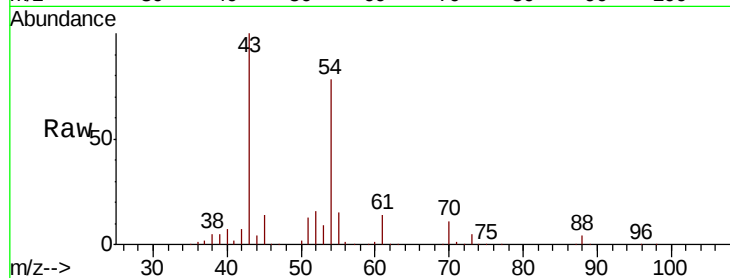
Tot Ion: 43 Resp: 148194

Ion Ratio Lower Upper

43 100

61 13.4 10.2 15.2

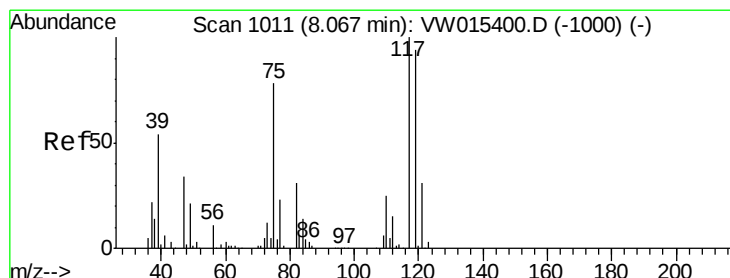
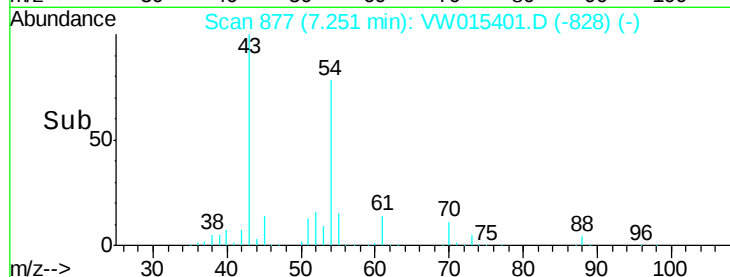
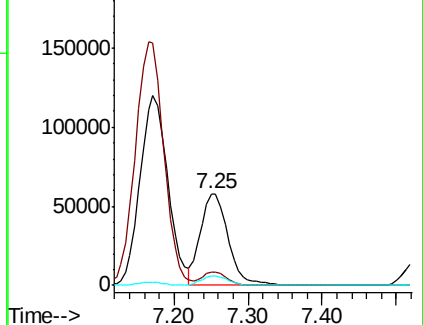
70 10.6 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 92.458 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

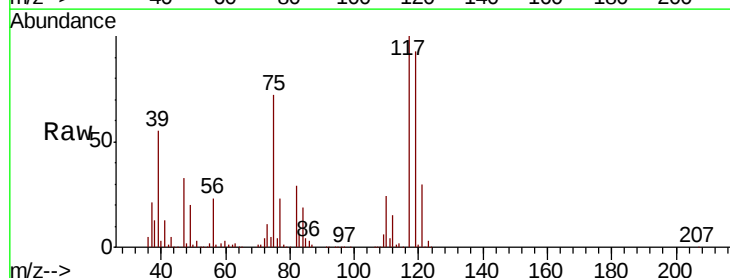
Tgt Ion: 117 Resp: 344424

Ion Ratio Lower Upper

117 100

119 93.3 75.4 113.0

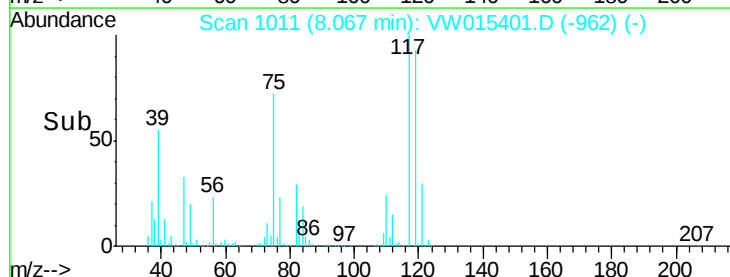
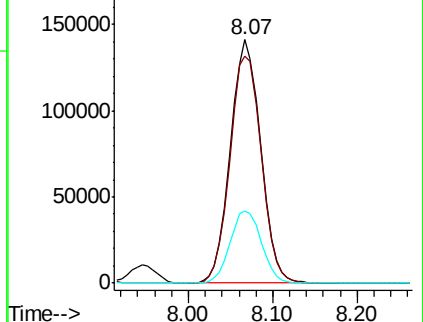
121 29.6 24.8 37.2

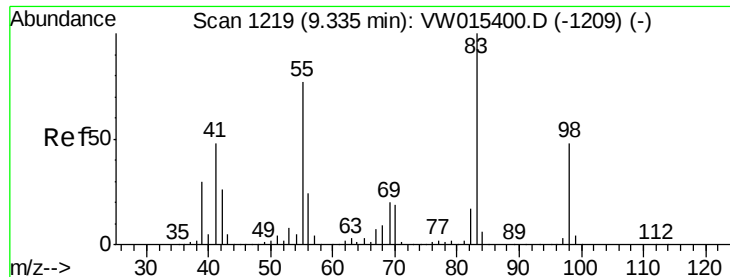


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

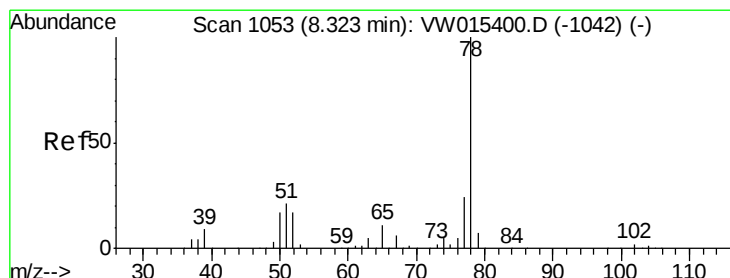
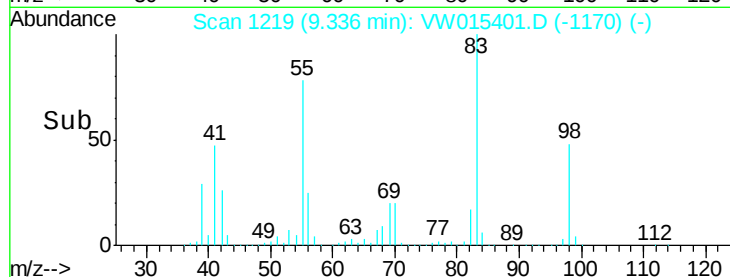
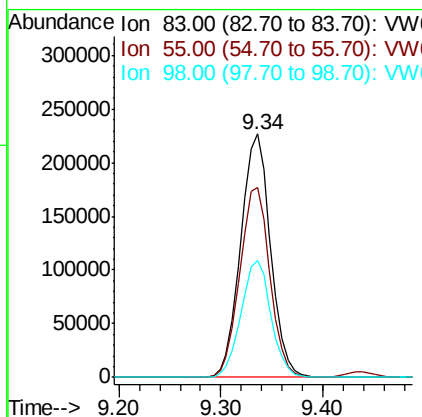
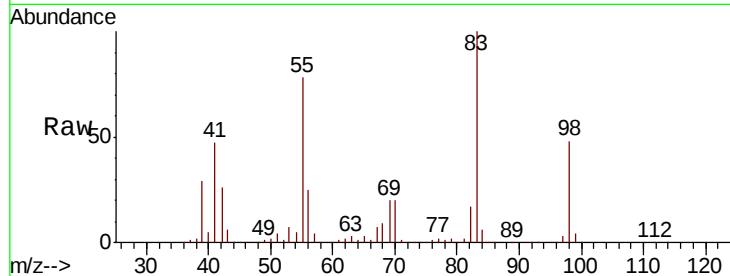




#39
Methvlcvclohexane
Concen: 100.210 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

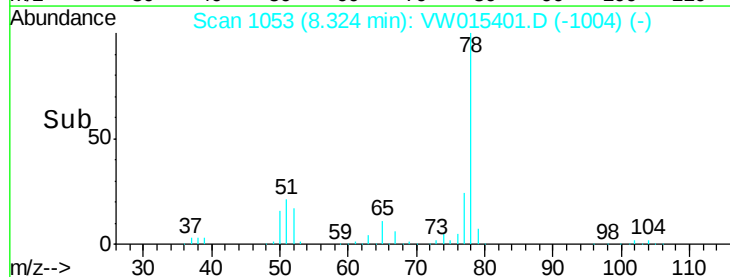
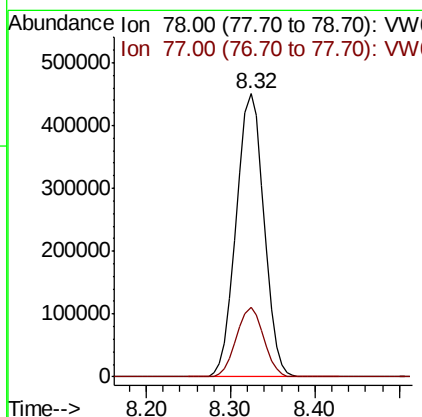
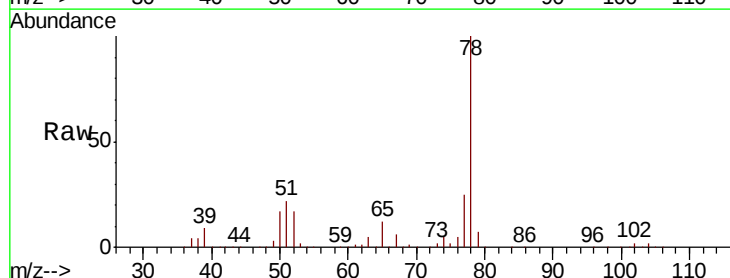
Instrument :
MSVOA_W
ClientSampleId :

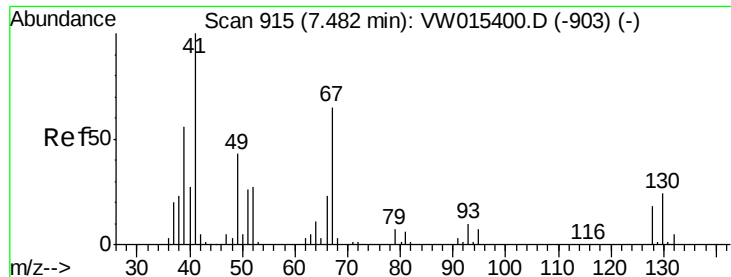
Tot Ion	83.00	Resp	461002
Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.9	92.9
98	48.1	38.2	57.2



#40
Benzene
Concen: 107.257 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion	78.00	Resp	997941
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4





#41

Methacrylonitrile

Concen: 137.326 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 97416

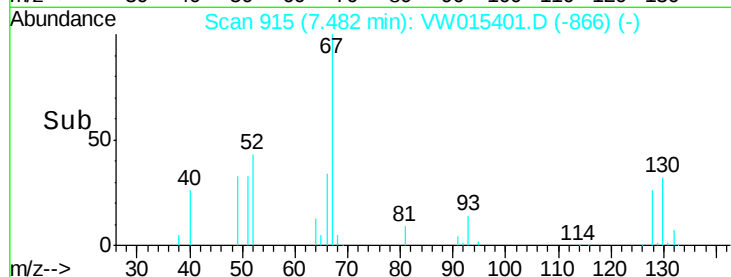
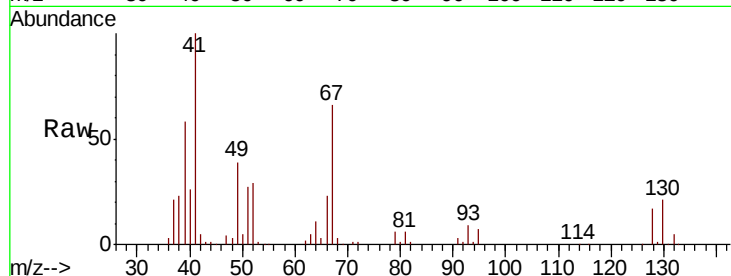
Ion Ratio Lower Upper

41 100

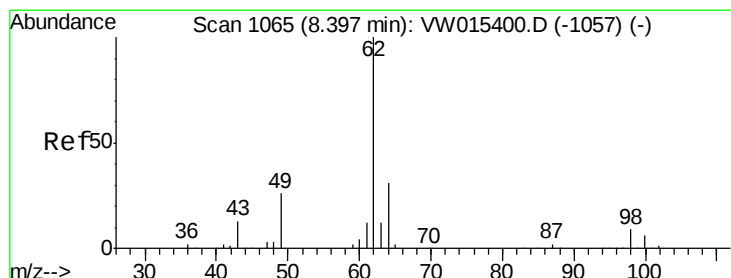
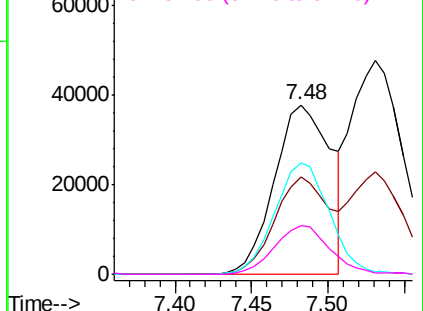
39 55.4 46.2 69.4

67 63.6 56.2 84.2

52 28.3 25.0 37.6



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



#42

1,2-Dichloroethane

Concen: 110.807 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015401.D

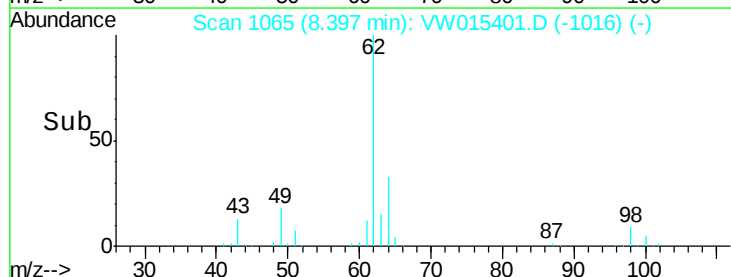
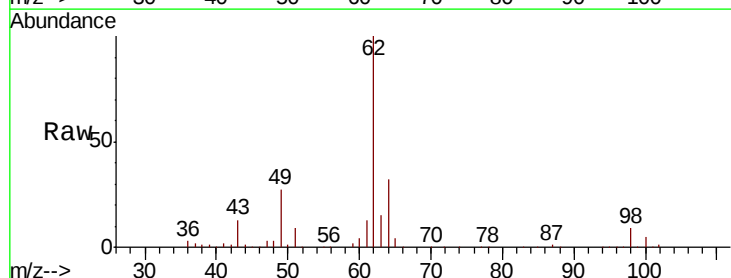
Acq: 05 May 2020 17:51

Tgt Ion: 62 Resp: 306600

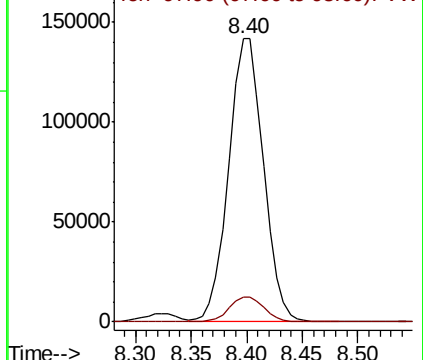
Ion Ratio Lower Upper

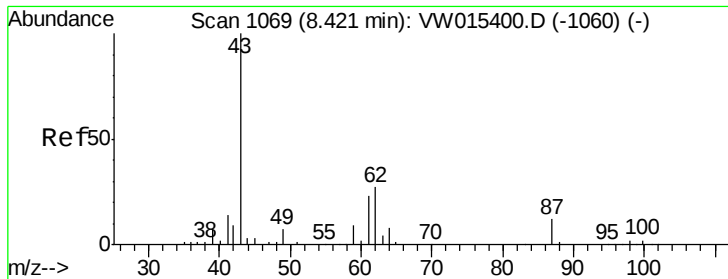
62 100

98 8.8 0.0 17.6



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





#43

Isopropyl Acetate

Concen: 126.301 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

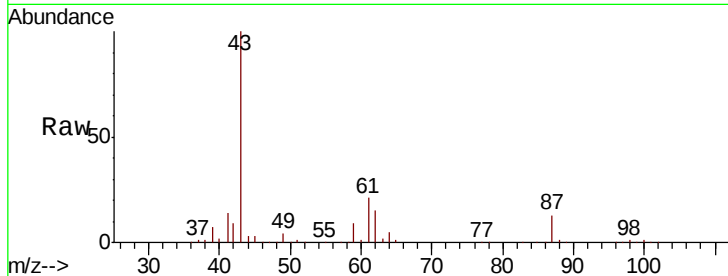
Tot Ion: 43 Resp: 309009

Ion Ratio Lower Upper

43 100

61 29.9 24.3 36.5

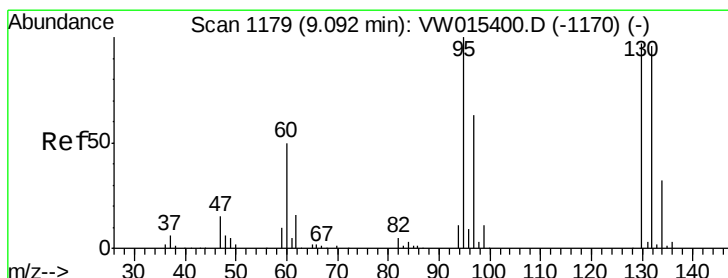
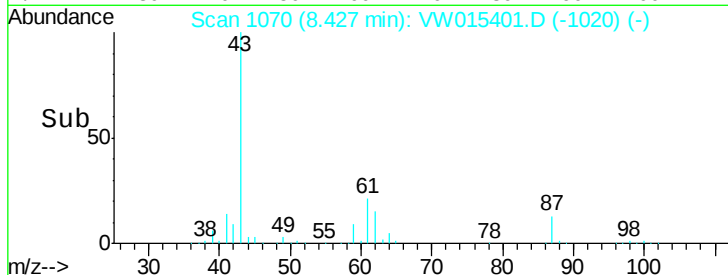
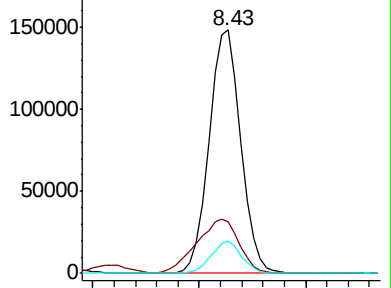
87 12.8 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 93.486 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015401.D

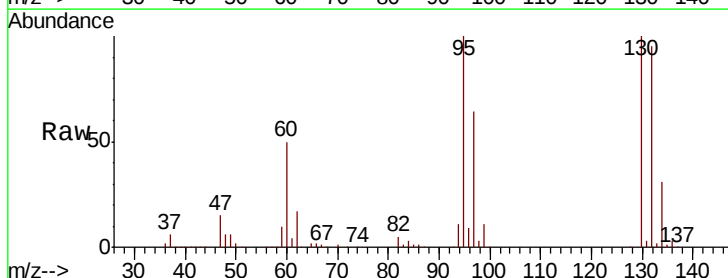
Acq: 05 May 2020 17:51

Tgt Ion: 130 Resp: 259624

Ion Ratio Lower Upper

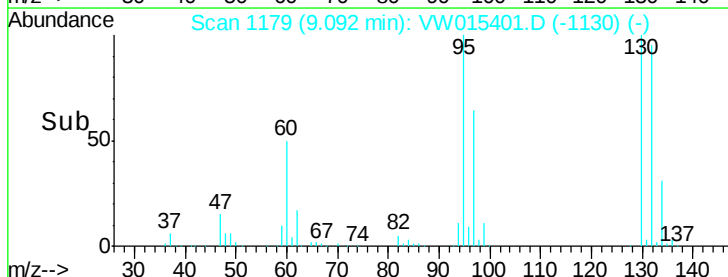
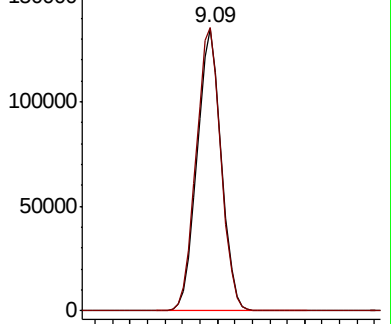
130 100

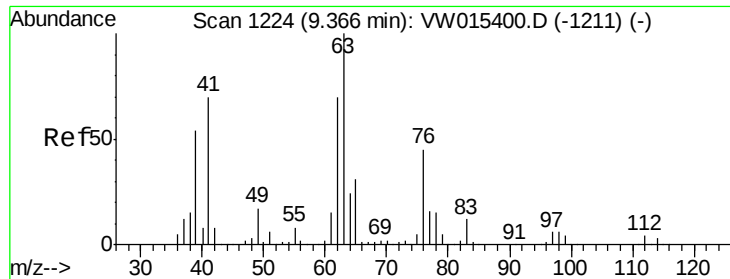
95 100.2 0.0 205.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 113.520 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

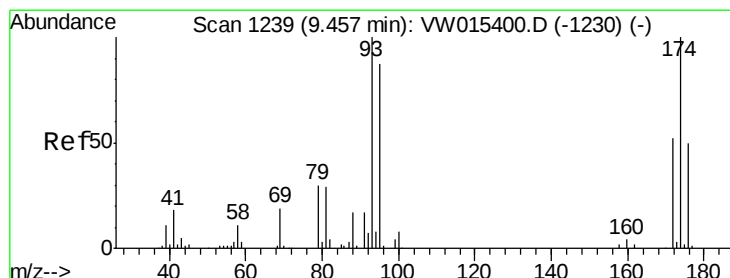
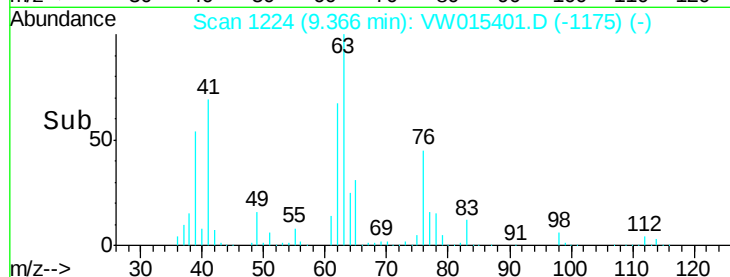
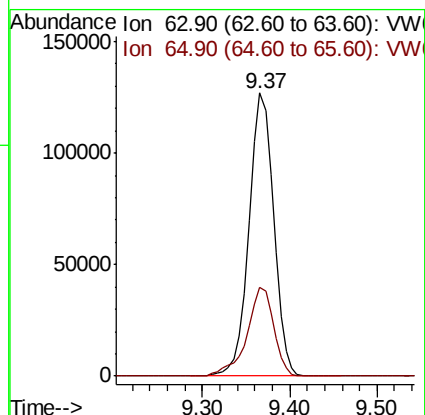
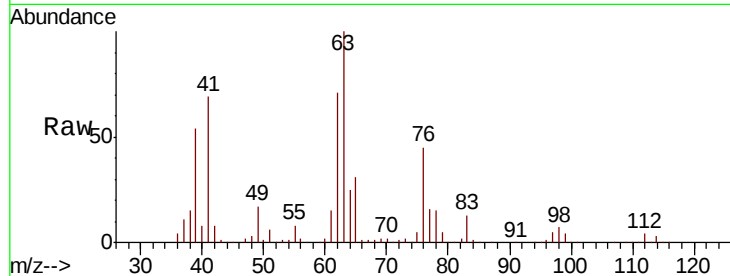
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 248748

Ion Ratio Lower Upper

63 100

65 31.5 25.0 37.6



#46

Dibromomethane

Concen: 101.668 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

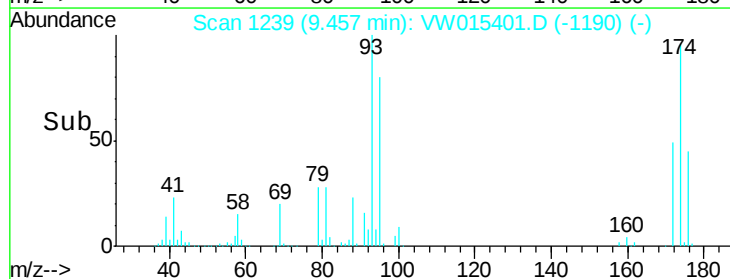
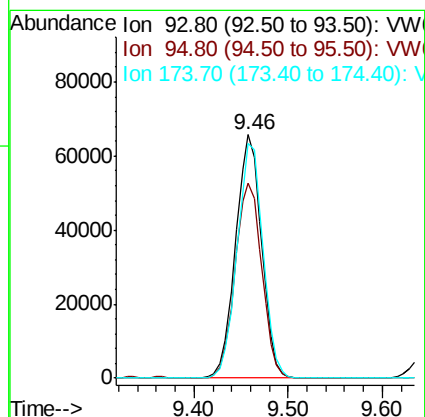
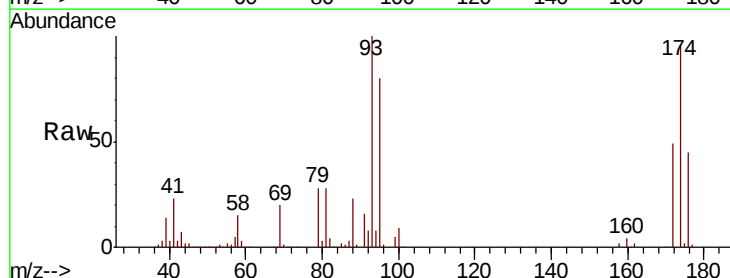
Tgt Ion: 93 Resp: 125865

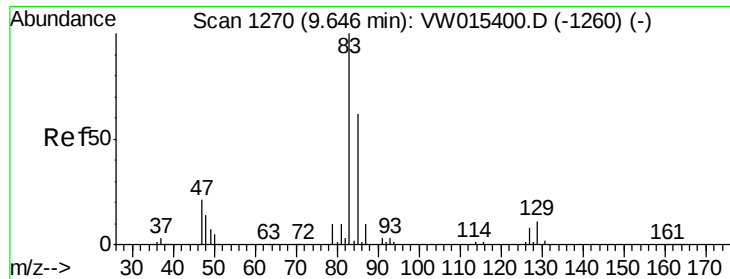
Ion Ratio Lower Upper

93 100

95 82.6 67.0 100.4

174 96.3 78.4 117.6





#47

Bromodichloromethane

Concen: 103.967 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

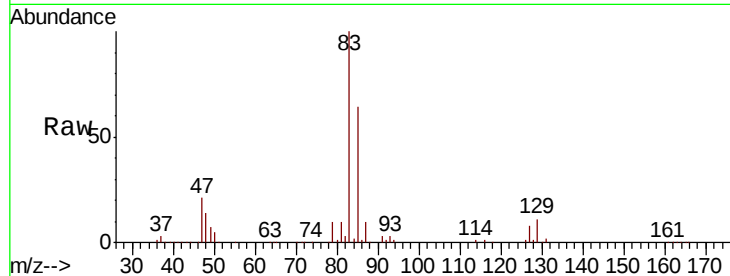
Tot Ion: 83 Resp: 345375

Ion Ratio Lower Upper

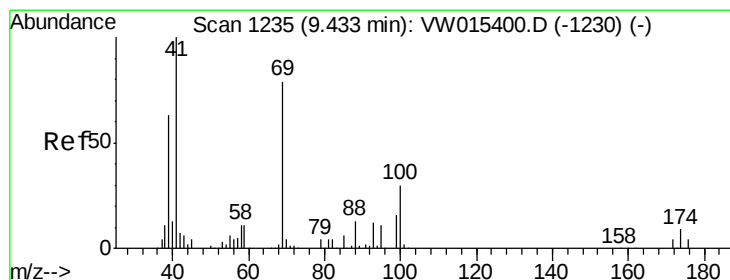
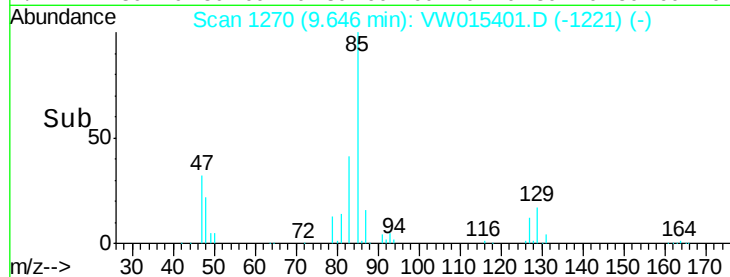
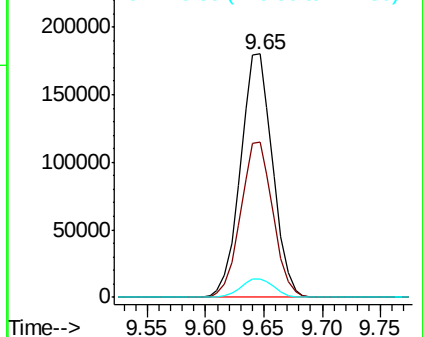
83 100

85 63.9 49.4 74.0

127 7.7 6.4 9.6



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: 127.568 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

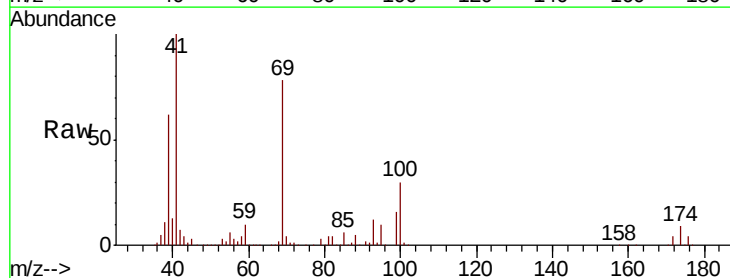
Tgt Ion: 41 Resp: 146837

Ion Ratio Lower Upper

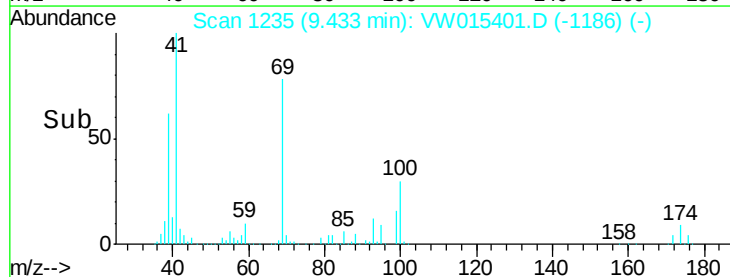
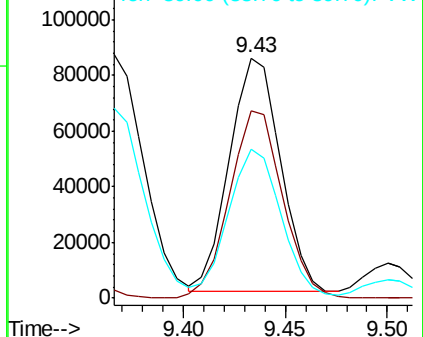
41 100

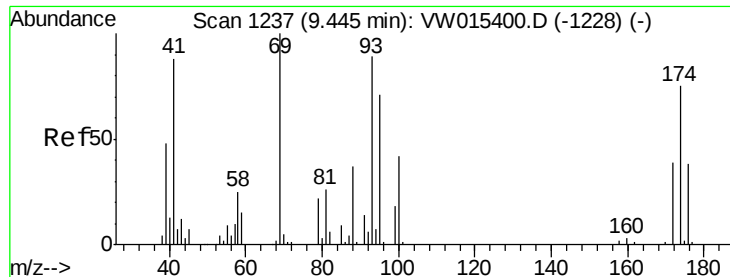
69 83.0 66.2 99.4

39 62.6 51.1 76.7



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





#49

1,4-Dioxane

Concen: 1957.757 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

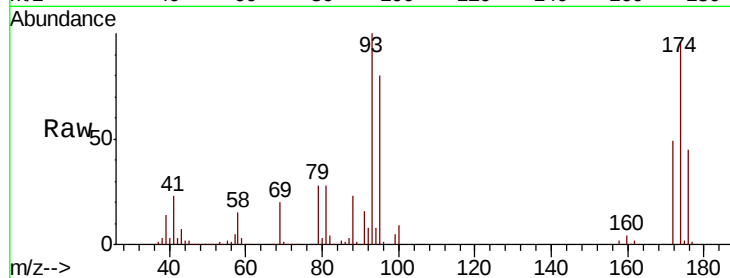
Tot Ion: 88 Resp: 31991

Ion Ratio Lower Upper

88 100

43 35.3 30.6 45.8

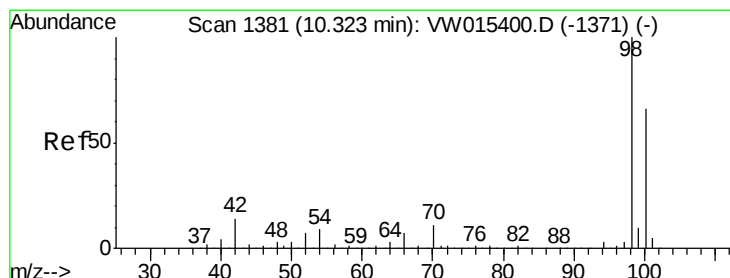
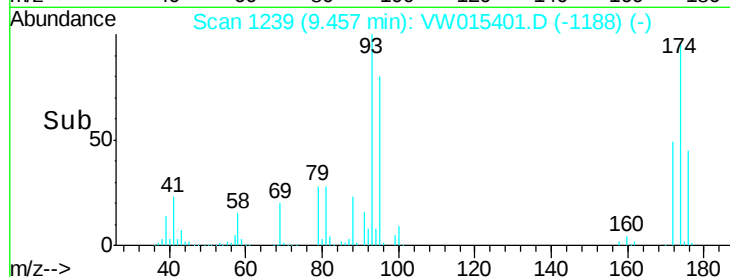
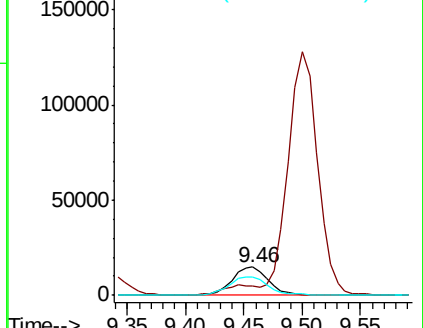
58 73.8 56.3 84.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 102.902 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015401.D

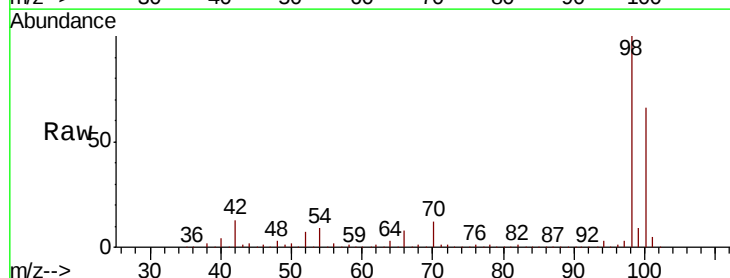
Acq: 05 May 2020 17:51

Tgt Ion: 98 Resp: 908747

Ion Ratio Lower Upper

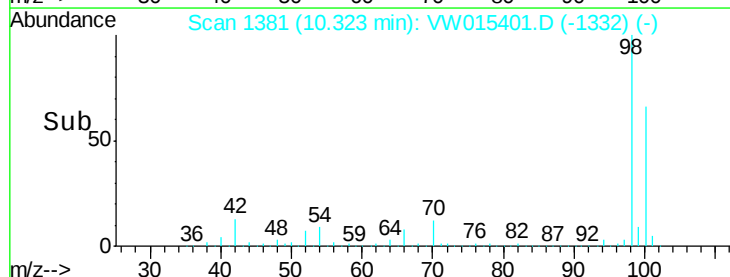
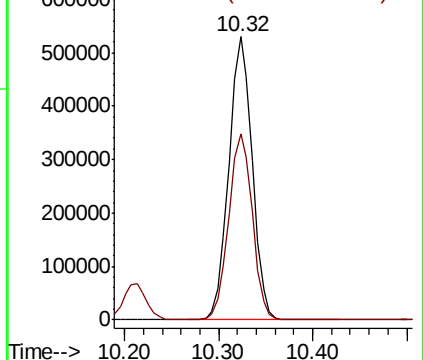
98 100

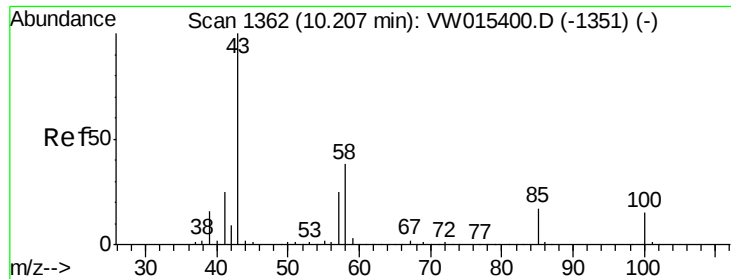
100 66.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 640.029 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

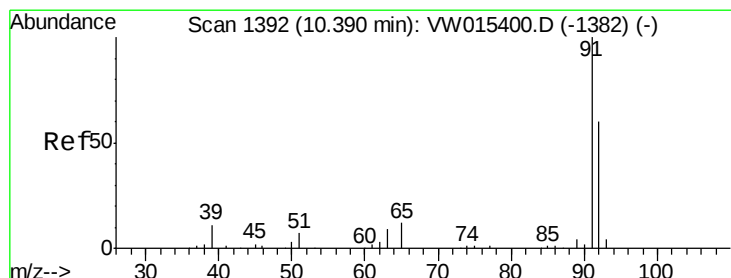
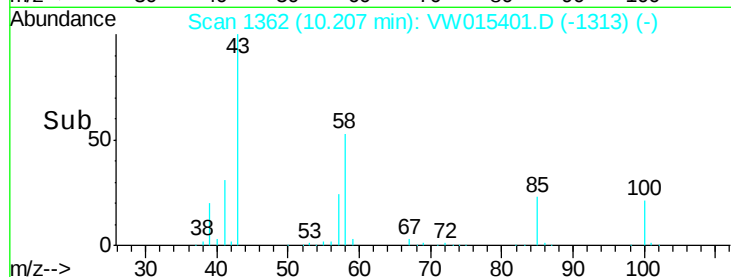
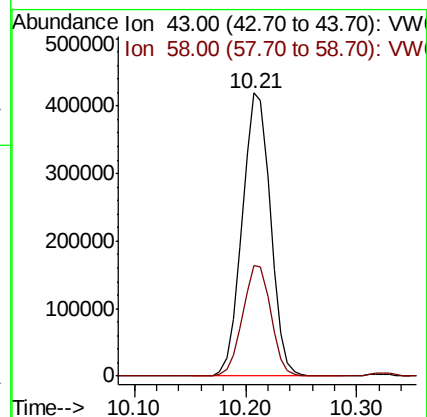
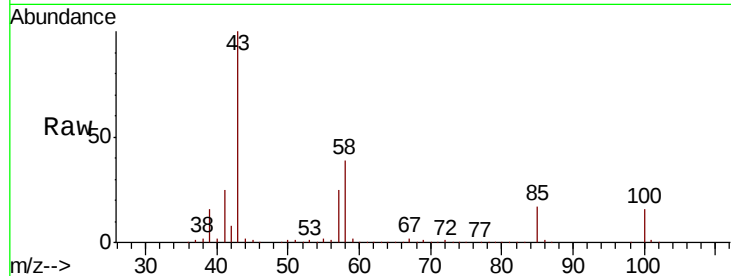
ClientSampleId :

Tot Ion: 43 Resp: 737932

Ion Ratio Lower Upper

43 100

58 39.1 30.8 46.2



#52

Toluene

Concen: 101.501 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015401.D

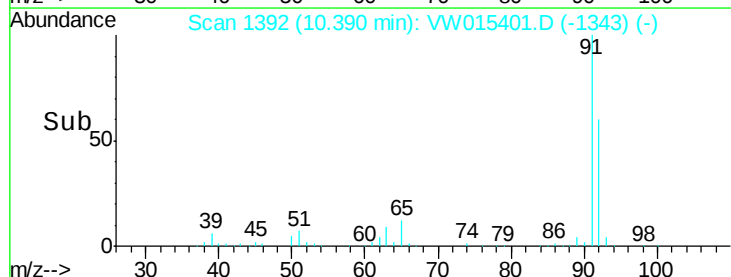
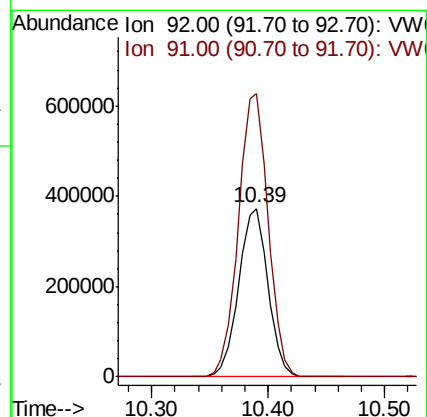
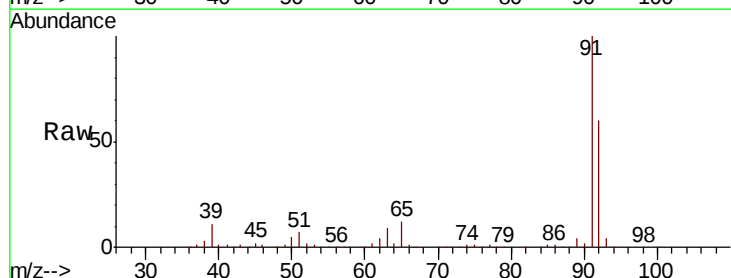
Acq: 05 May 2020 17:51

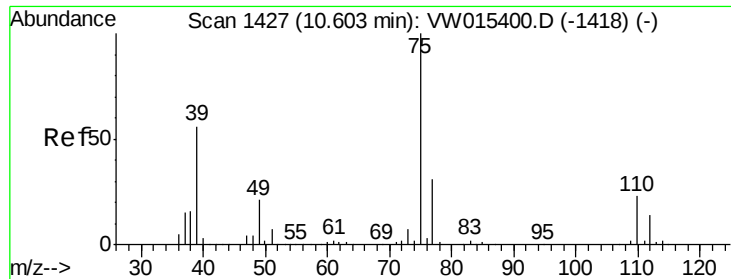
Tgt Ion: 92 Resp: 653737

Ion Ratio Lower Upper

92 100

91 171.0 135.9 203.9

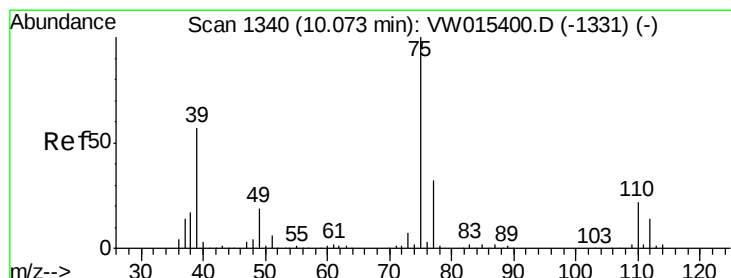
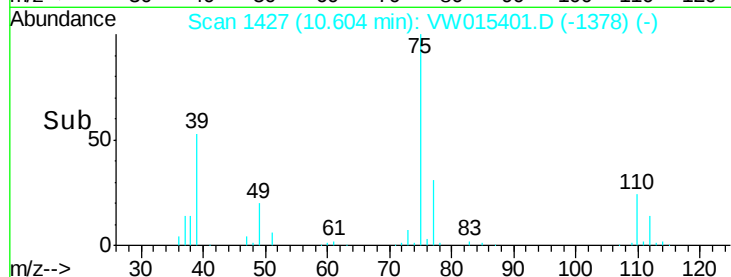
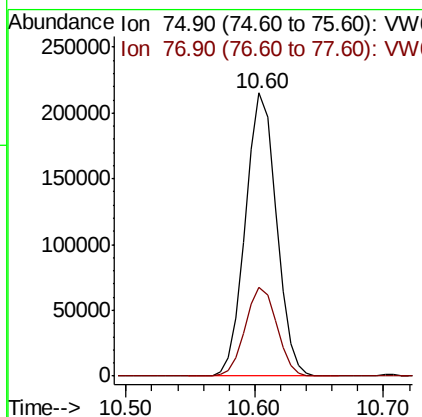
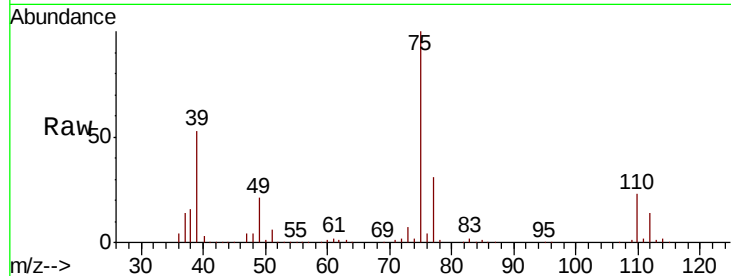




#53
t-1,3-Dichloropropene
Concen: 108.811 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

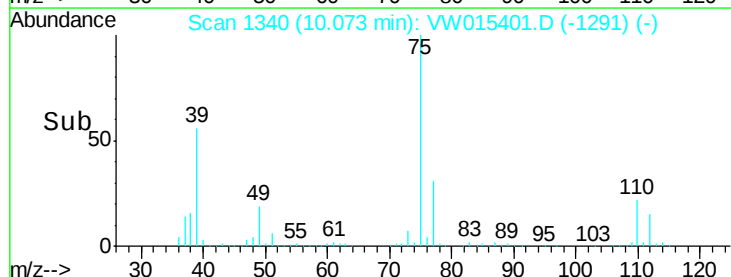
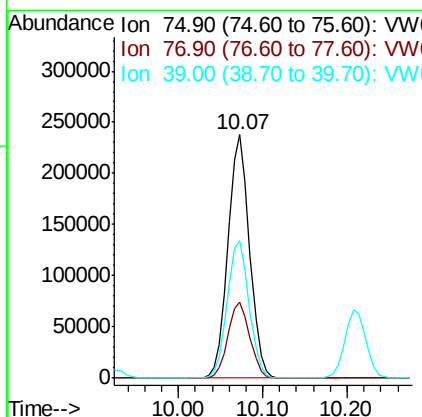
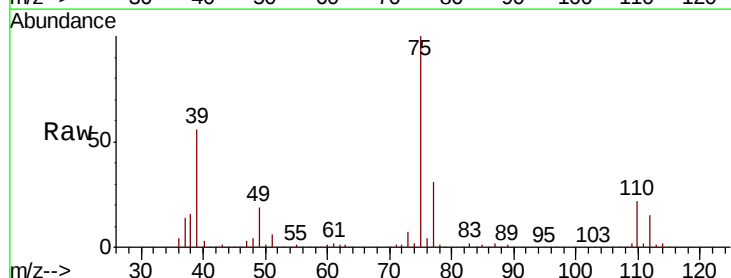
Instrument :
MSVOA_W
ClientSampleId :

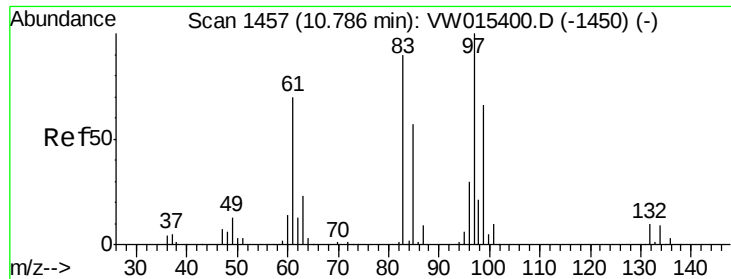
Tot Ion: 75 Resp: 357744
Ion Ratio Lower Upper
75 100
77 31.3 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 108.193 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 75 Resp: 414656
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4
39 56.4 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 101.877 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

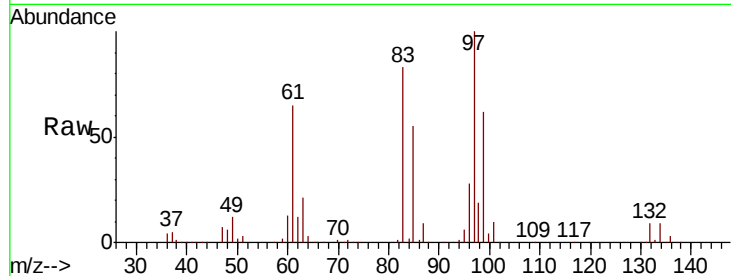
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 176663

Ion	Ratio	Lower	Upper
97	100		
83	83.3	72.2	108.4
85	55.4	45.2	67.8
99	61.5	52.6	78.8

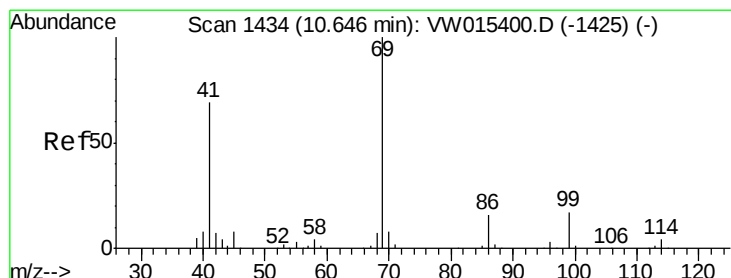
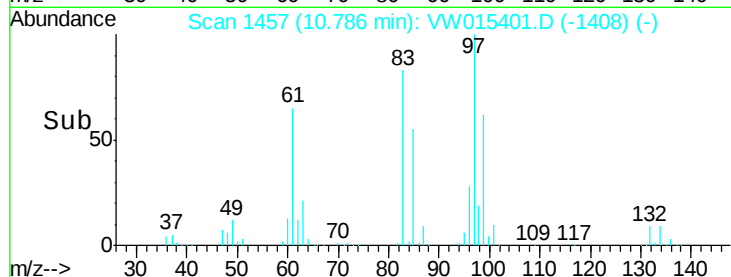


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 111.129 ug/l

RT: 10.65 min Scan# 1434

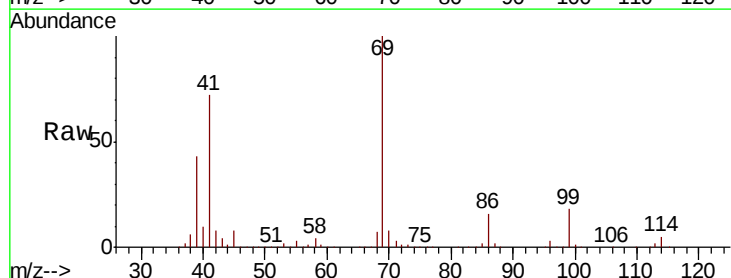
Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion: 69 Resp: 251272

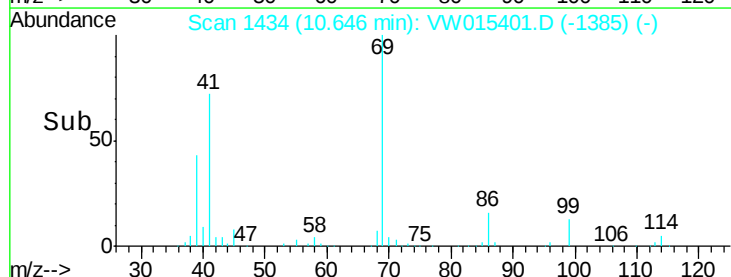
Ion	Ratio	Lower	Upper
69	100		
41	70.8	55.3	82.9
39	39.3	31.9	47.9

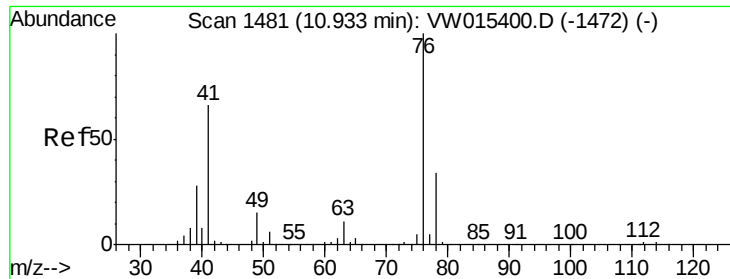


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

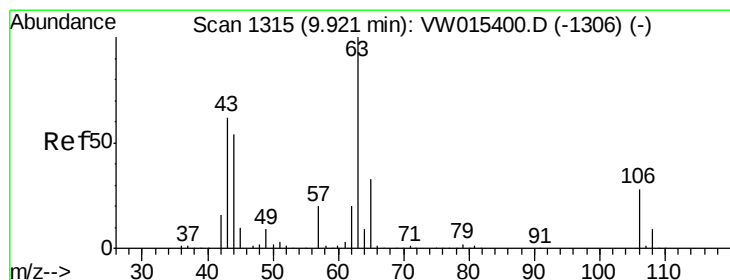
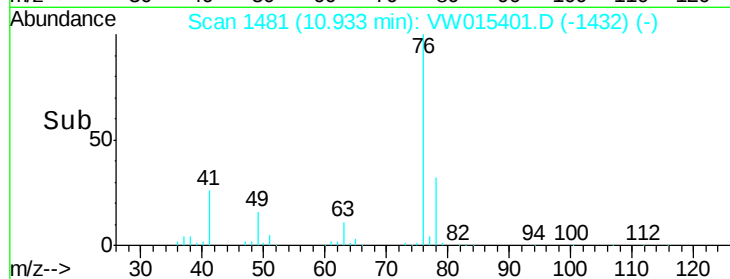
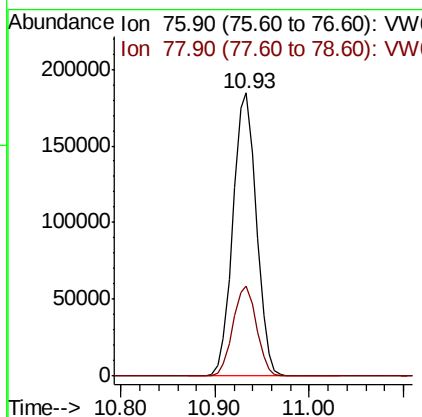
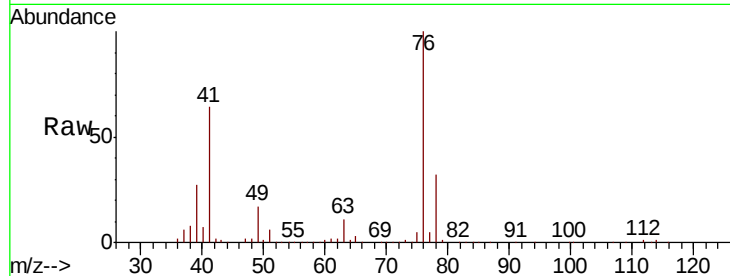




#57
 1,3-Dichloropropane
 Concen: 109.660 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

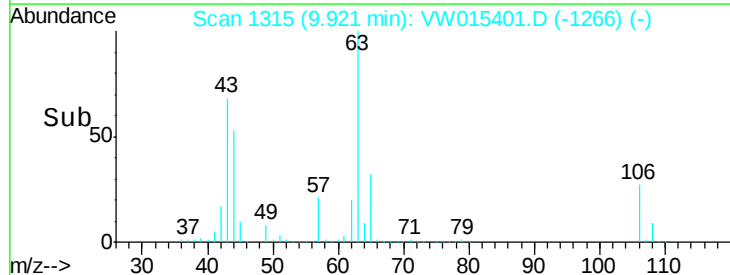
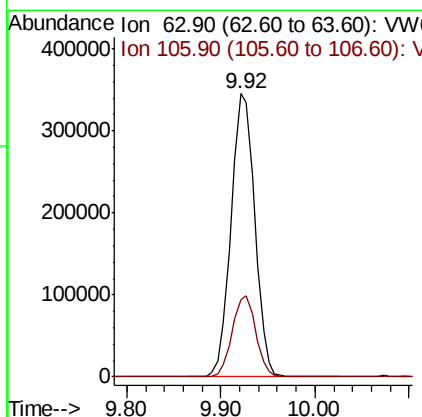
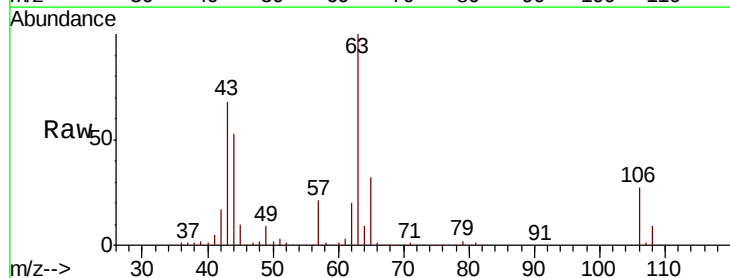
Instrument :
 MSVOA_W
 ClientSampled :

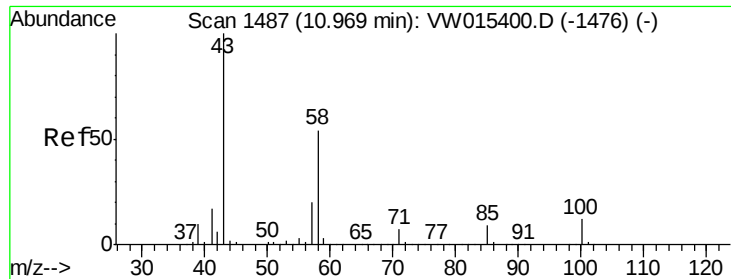
Tot Ion: 76 Resp: 318951
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 573.787 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion: 63 Resp: 603734
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.6 33.8

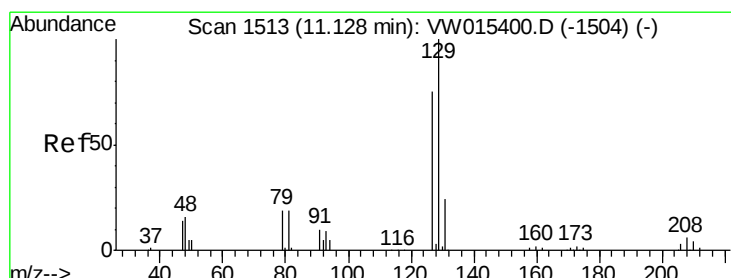
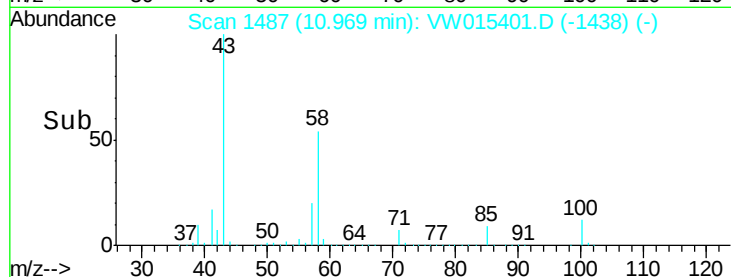
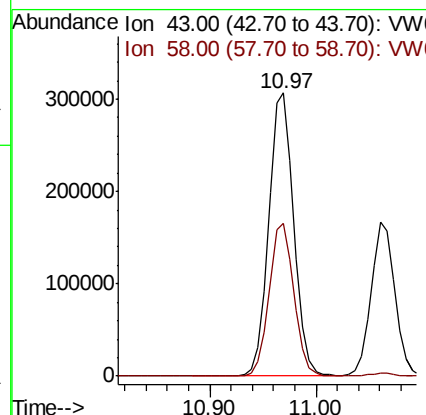
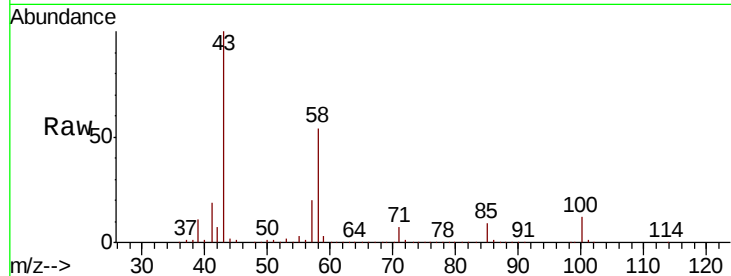




#59
2-Hexanone
Concen: 617.434 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

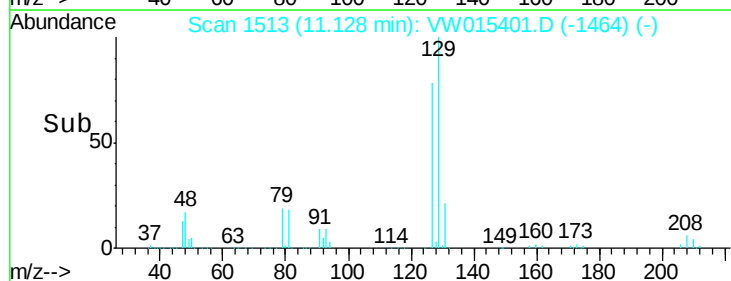
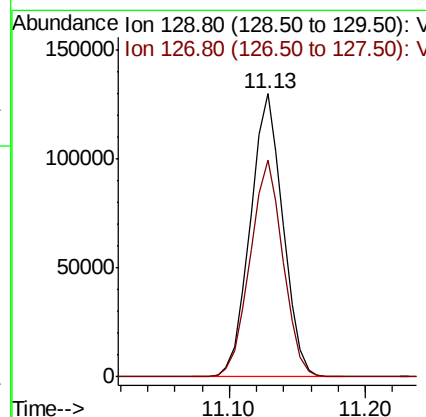
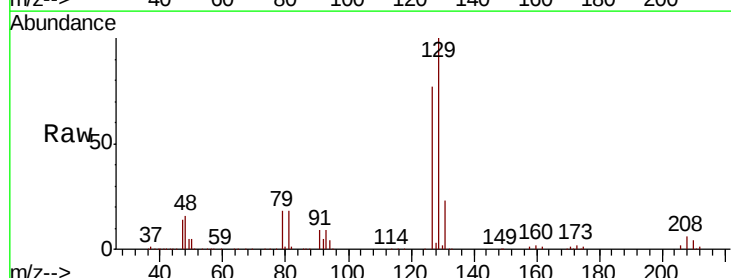
Instrument :
MSVOA_W
ClientSampleId :

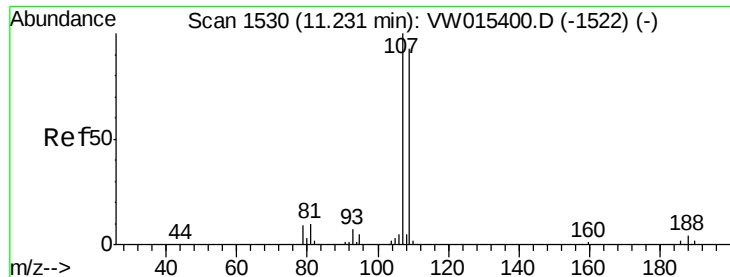
Tot Ion: 43 Resp: 502807
Ion Ratio Lower Upper
43 100
58 53.6 26.7 80.0



#60
Dibromochloromethane
Concen: 96.988 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion:129 Resp: 218869
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2

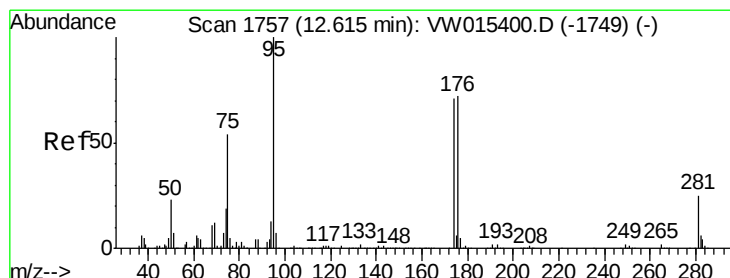
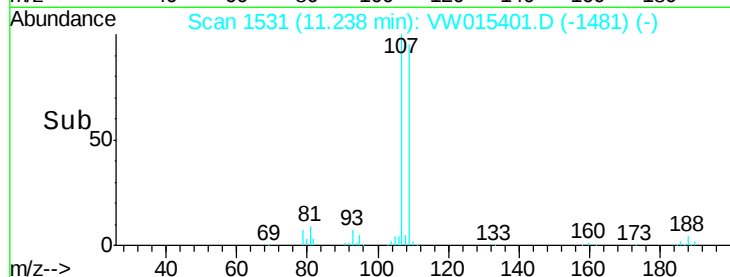
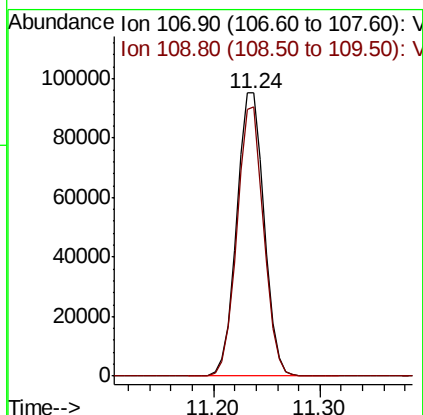
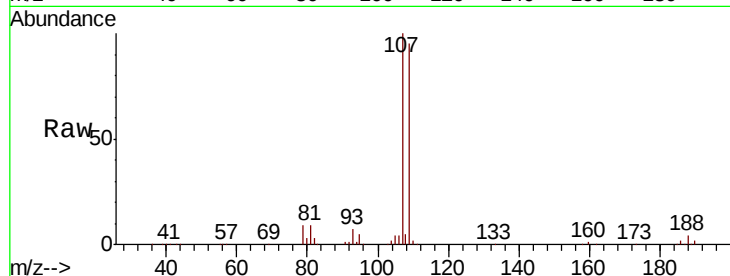




#61
 1,2-Dibromoethane
 Concen: 102.307 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

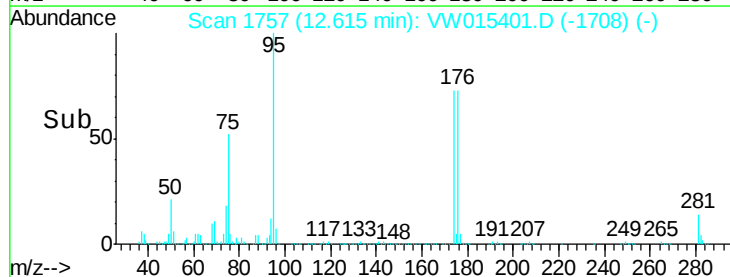
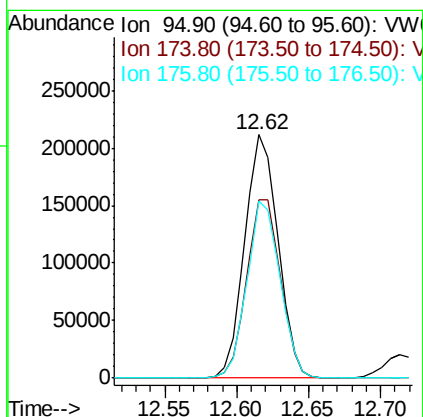
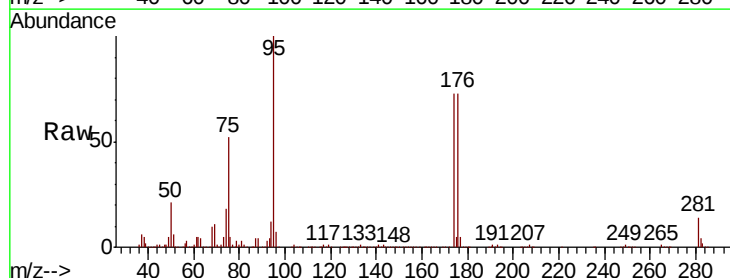
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 107 Resp: 172421
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 101.227 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion: 95 Resp: 339172
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 147.6
 176 72.2 0.0 144.4

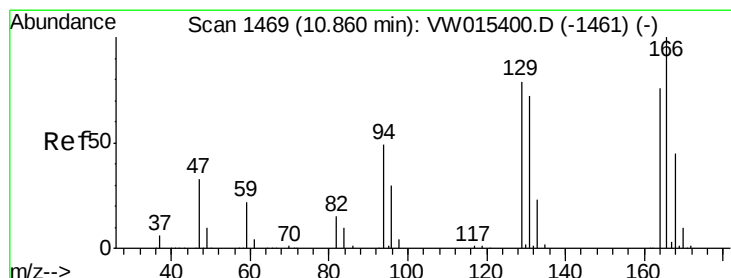
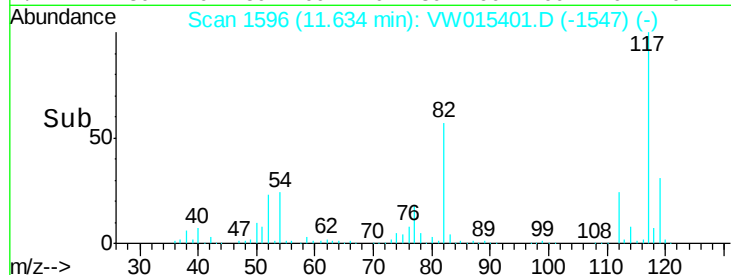
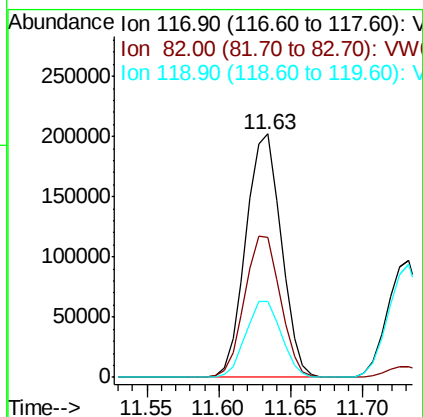
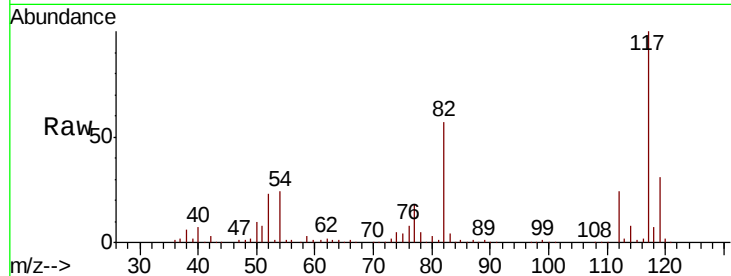




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

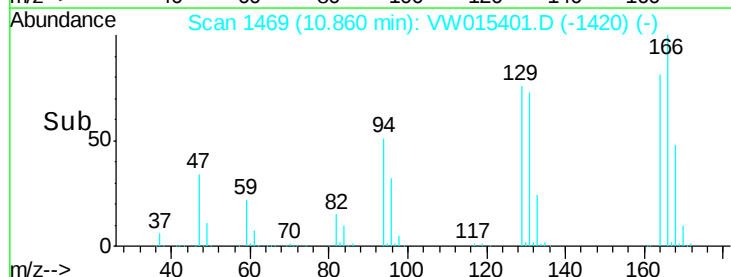
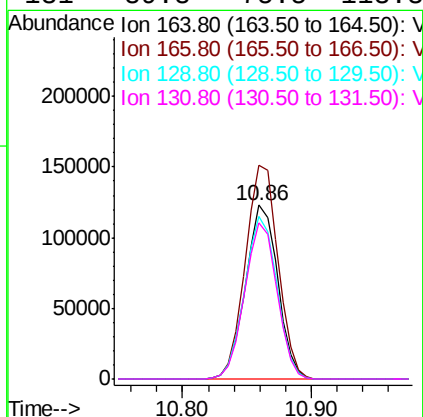
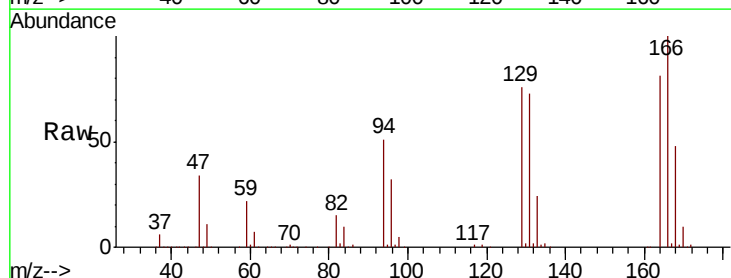
Instrument :
MSVOA_W
ClientSampled :

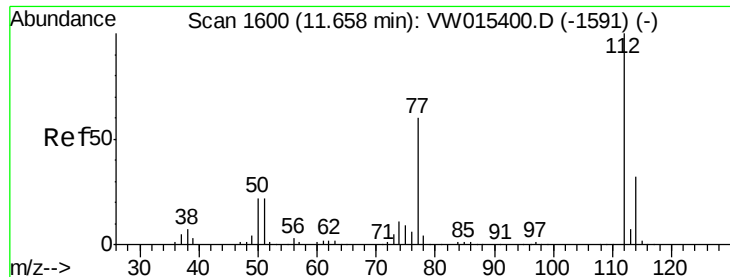
Tot Ion:117 Resp: 343822
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 31.2 24.6 37.0



#64
Tetrachloroethene
Concen: 87.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion:164 Resp: 211470
Ion Ratio Lower Upper
164 100
166 123.1 104.9 157.3
129 93.7 82.7 124.1
131 89.8 75.5 113.3





#65

Chlorobenzene

Concen: 98.347 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

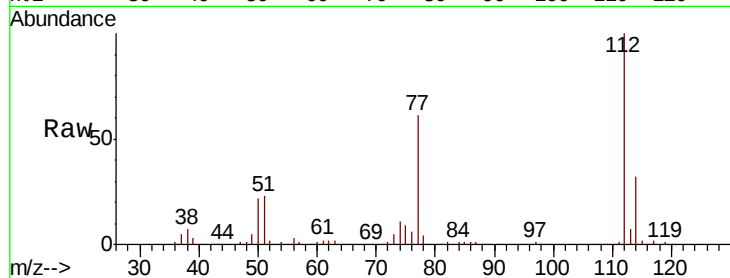
ClientSampled :

Tot Ion:112 Resp: 668176

Ion Ratio Lower Upper

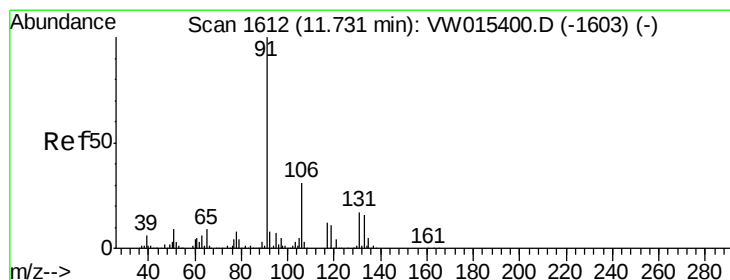
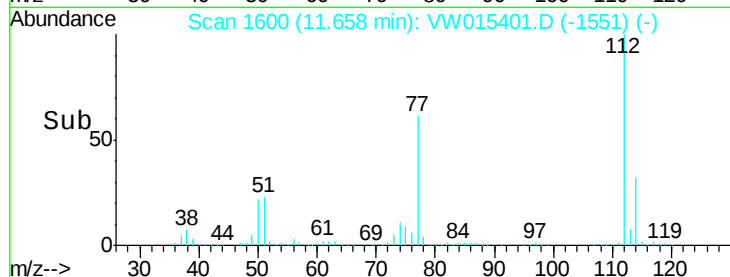
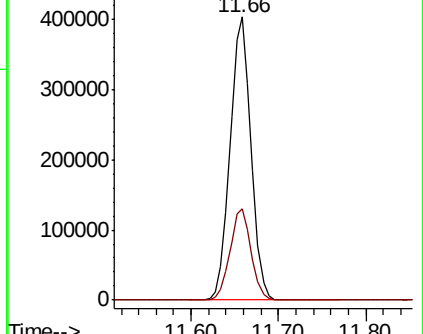
112 100

114 32.2 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 98.940 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

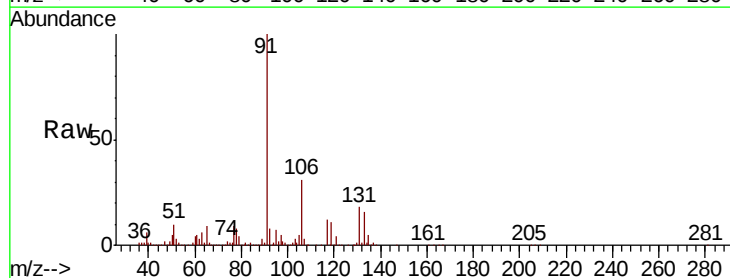
Tgt Ion:131 Resp: 241221

Ion Ratio Lower Upper

131 100

133 94.7 47.9 143.8

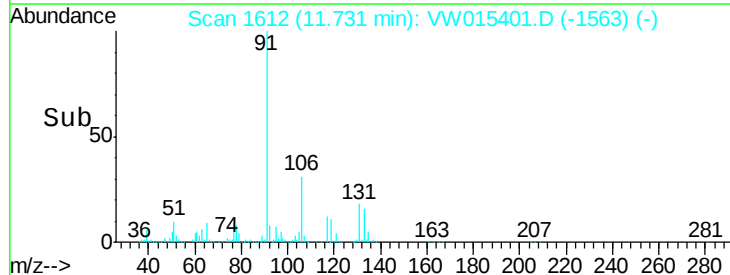
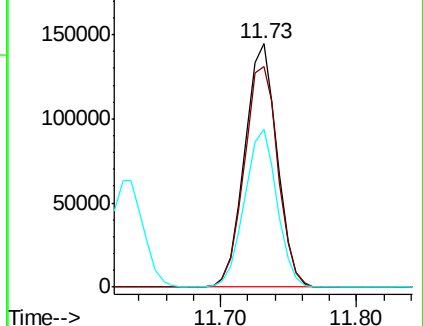
119 65.0 33.0 99.0

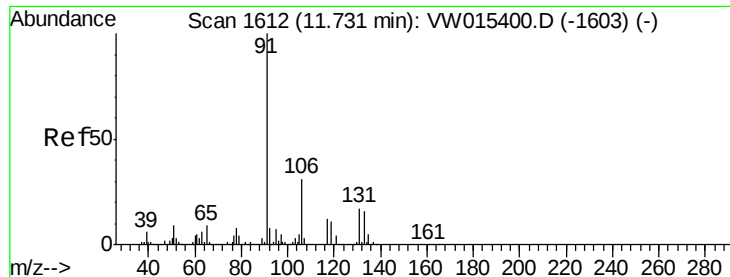


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

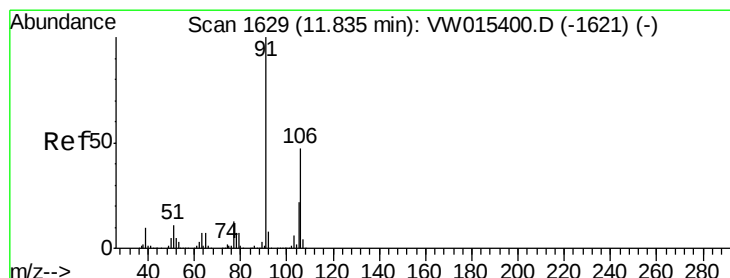
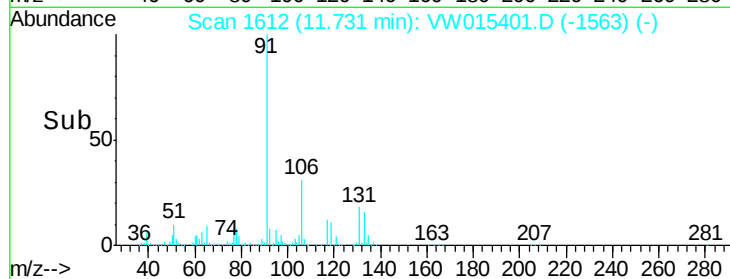
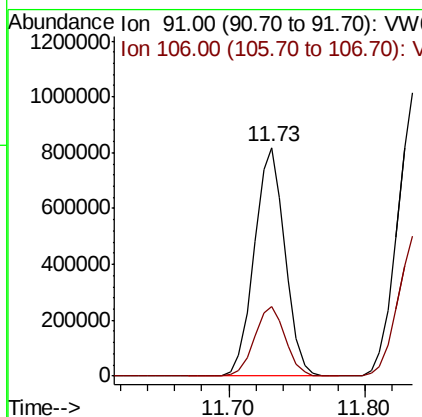
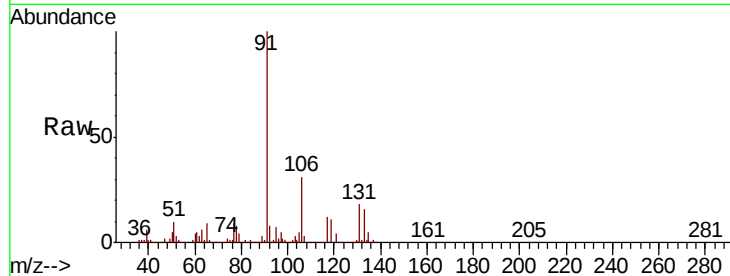




#67
Ethyl Benzene
Concen: 101.547 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

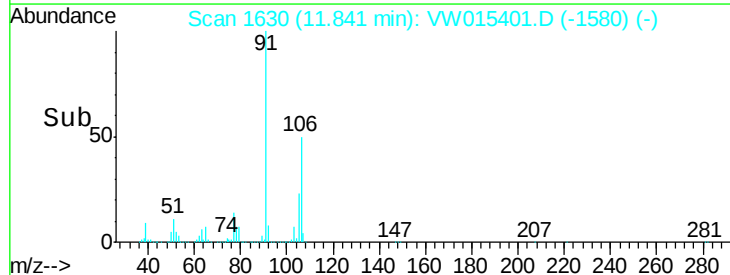
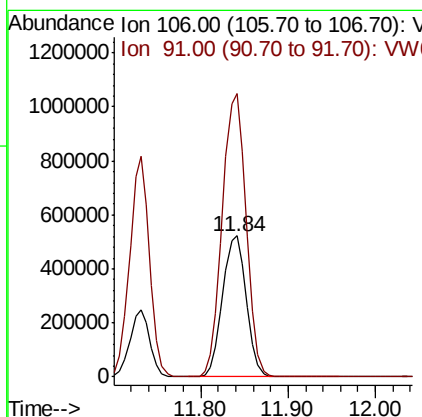
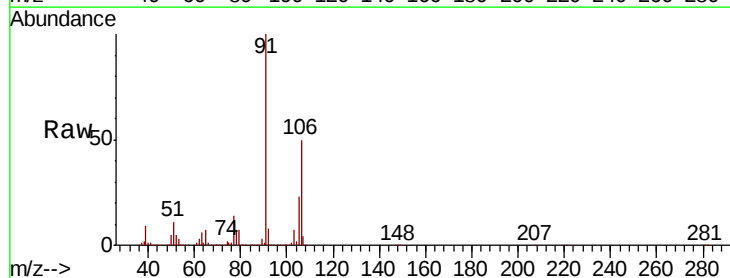
Instrument :
MSVOA_W
ClientSampled :

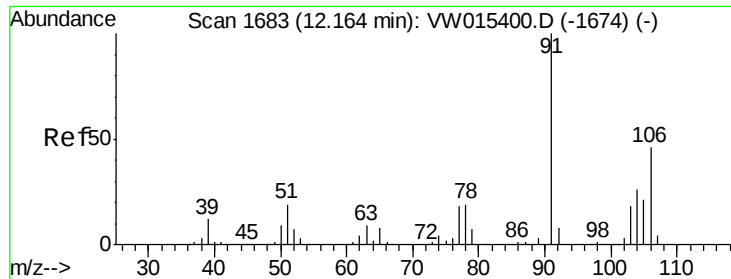
Tot Ion: 91 Resp: 1291783
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8



#68
m/p-Xylenes
Concen: 198.572 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion: 106 Resp: 979873
Ion Ratio Lower Upper
106 100
91 202.5 165.7 248.5

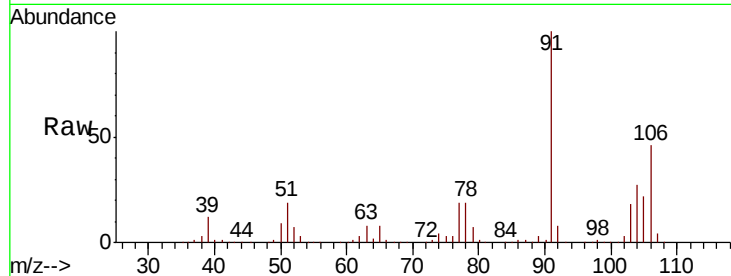




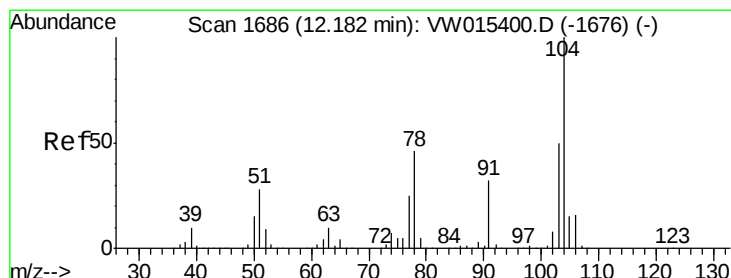
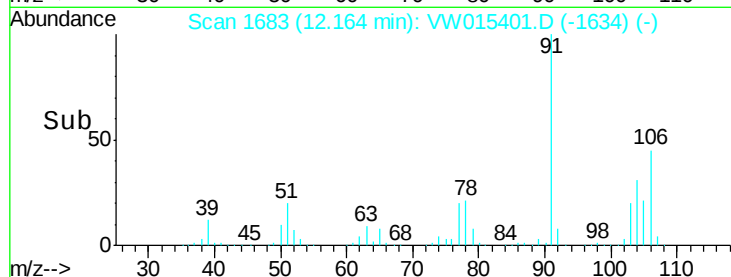
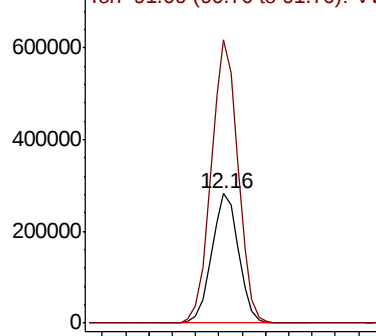
#69
o-Xylene
Concen: 98.123 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 453567
Ion Ratio Lower Upper
106 100
91 218.0 109.0 327.0

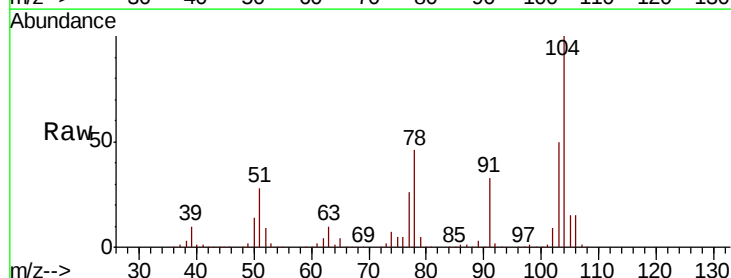


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

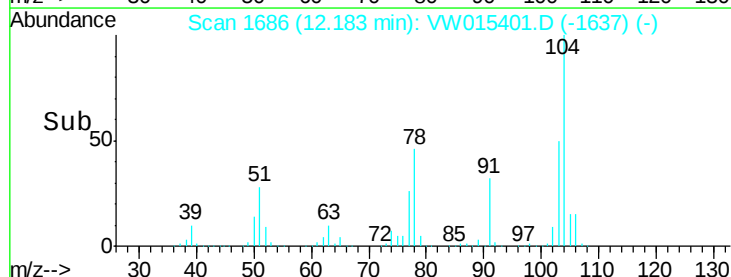
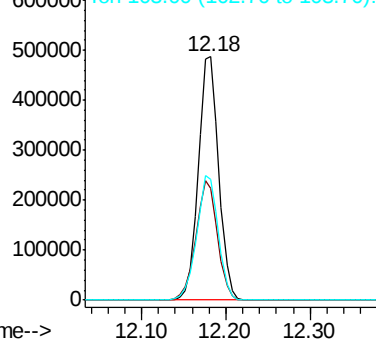


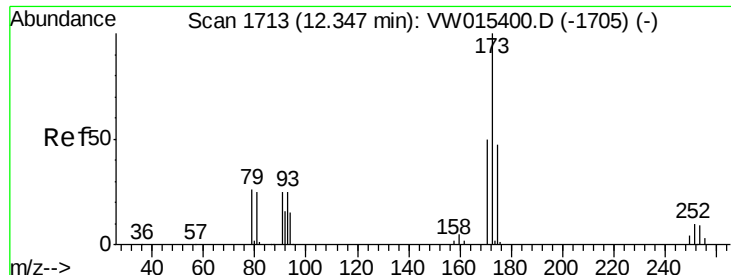
#70
Styrene
Concen: 101.690 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion:104 Resp: 802493
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 54.2 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 90.679 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

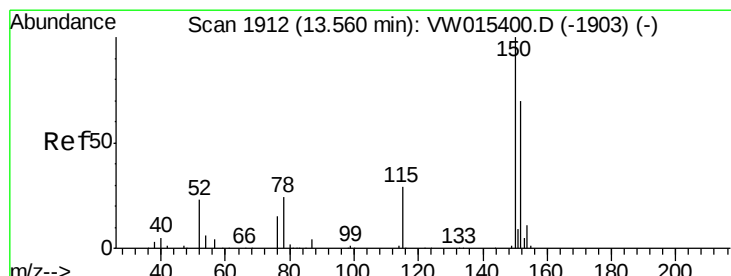
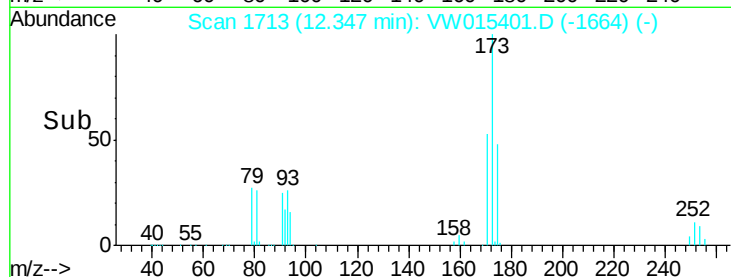
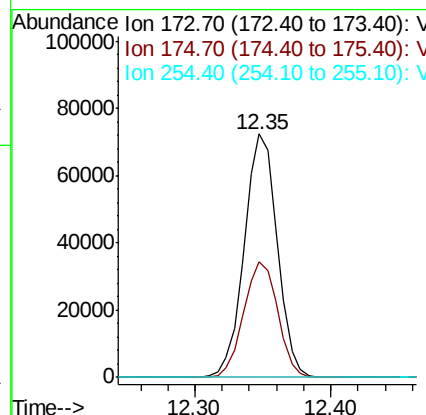
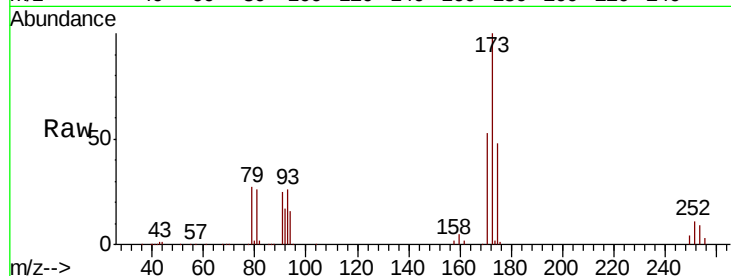
Tot Ion:173 Resp: 122622

Ion Ratio Lower Upper

173 100

175 49.1 23.8 71.4

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

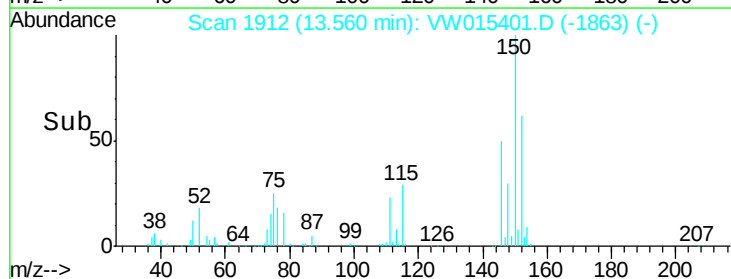
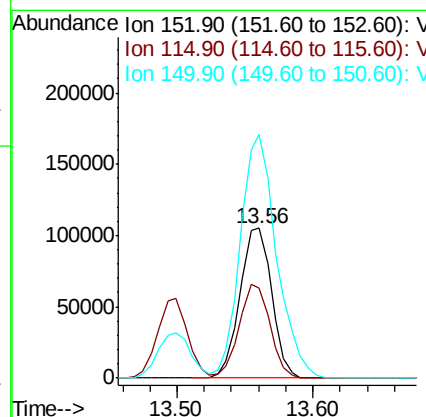
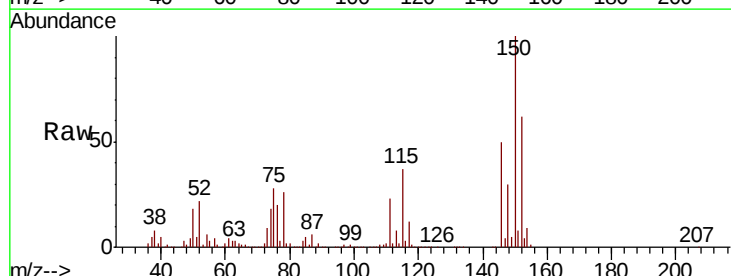
Tgt Ion:152 Resp: 171901

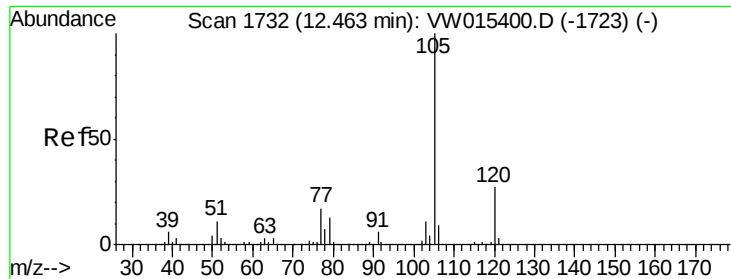
Ion Ratio Lower Upper

152 100

115 60.8 30.3 90.8

150 184.4 0.0 344.4





#73

Isopropylbenzene

Concen: 103.981 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

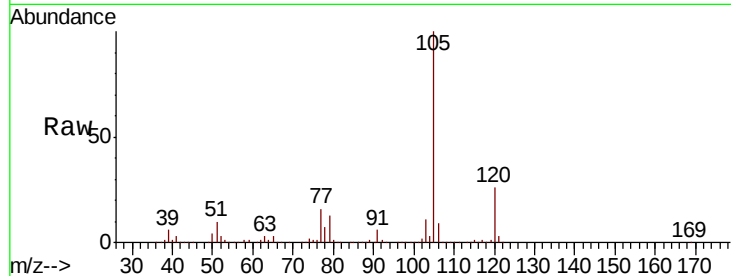
ClientSampleId :

Tot Ion:105 Resp: 1265872

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

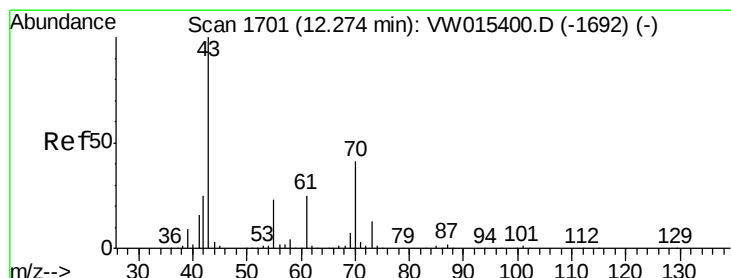
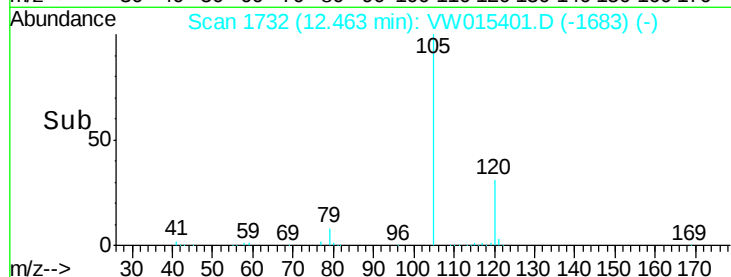
12.46

12.40

12.50

12.60

Time-->



#74

N-ethyl acetate

Concen: 139.073 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion: 43 Resp: 310875

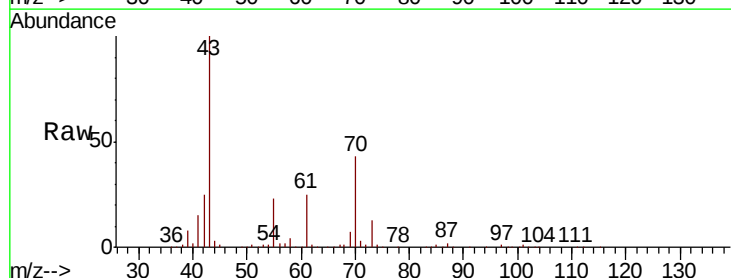
Ion Ratio Lower Upper

43 100

70 42.0 33.4 50.0

55 23.0 18.9 28.3

61 24.1 19.4 29.0



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

300000

250000

200000

150000

100000

50000

0

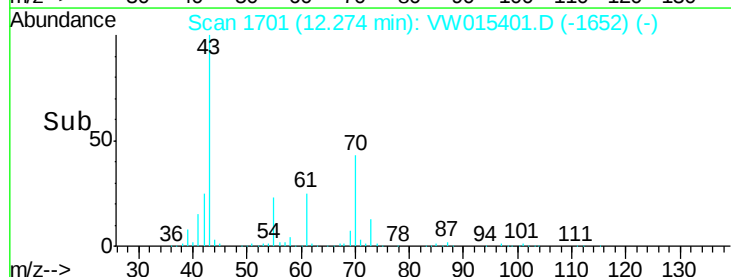
12.27

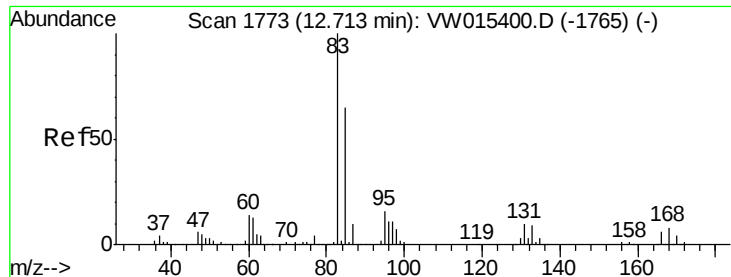
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 115.589 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

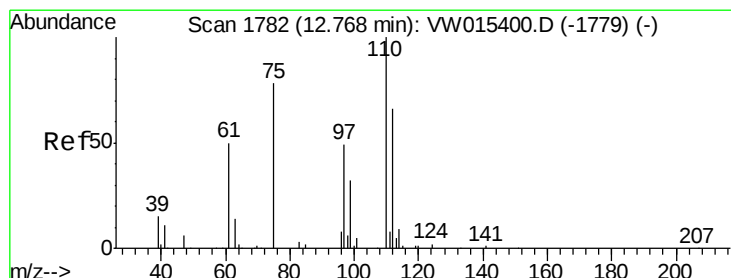
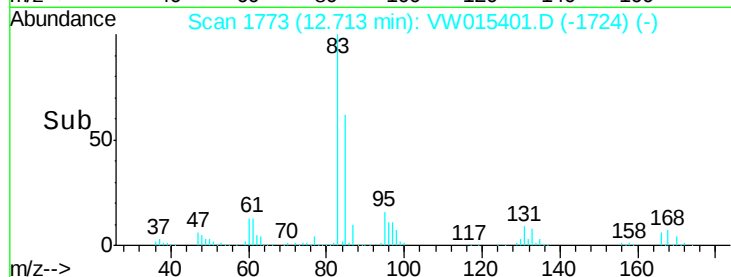
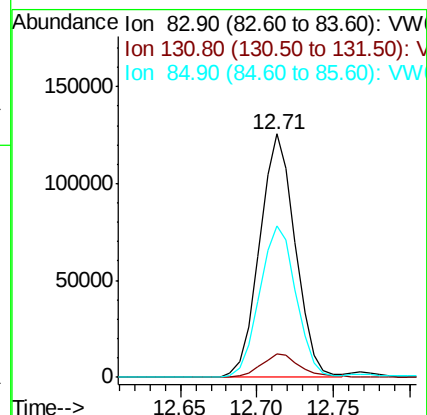
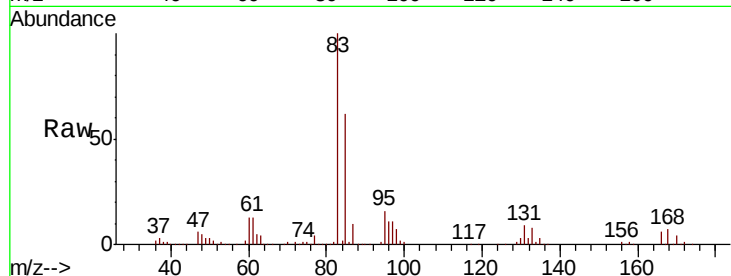
Tot Ion: 83 Resp: 204232

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.2

85 63.8 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 202.298 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015401.D

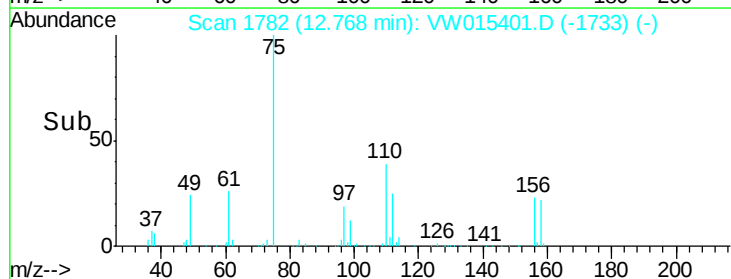
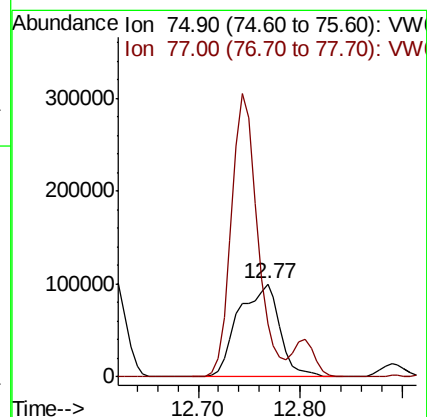
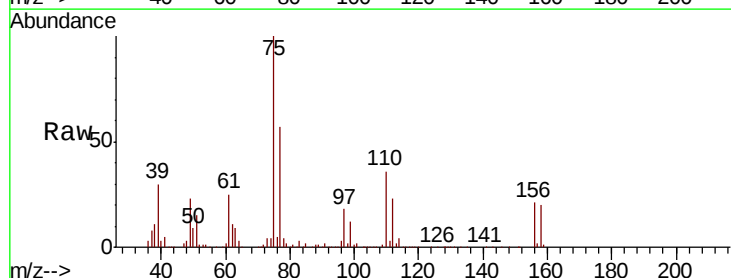
Acq: 05 May 2020 17:51

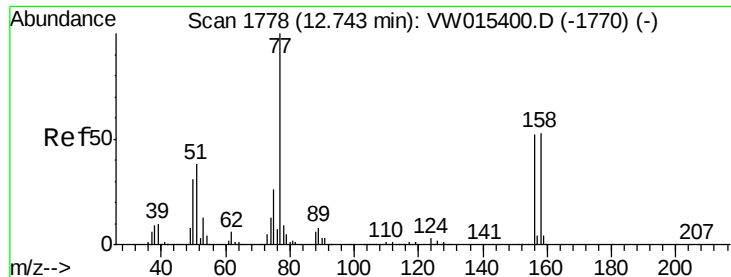
Tgt Ion: 75 Resp: 281505

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 96.944 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

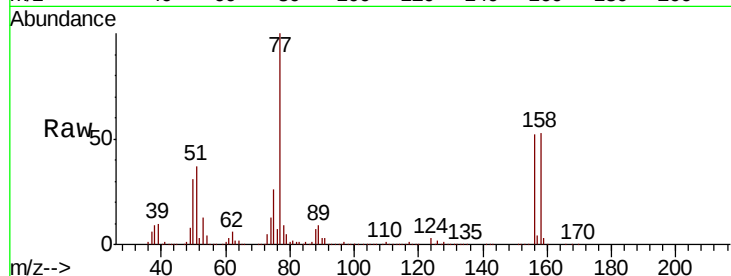
Tot Ion:156 Resp: 266011

Ion Ratio Lower Upper

156 100

77 205.1 101.8 305.6

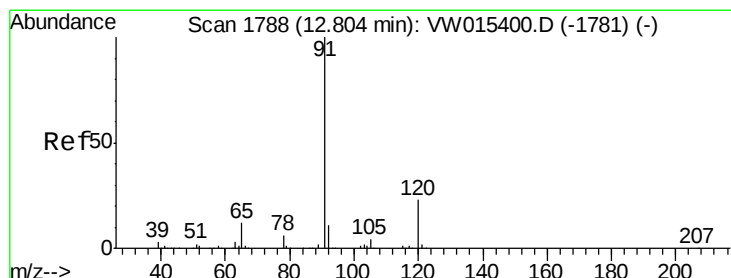
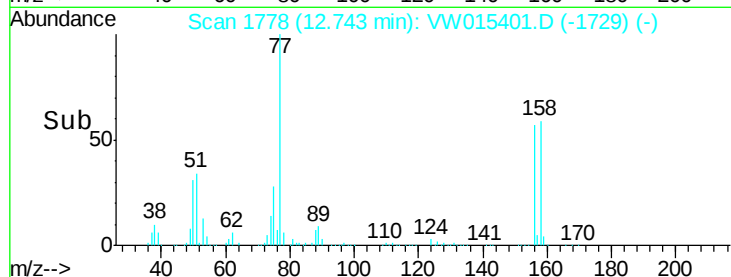
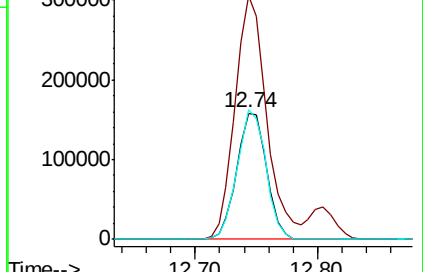
158 98.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 105.428 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015401.D

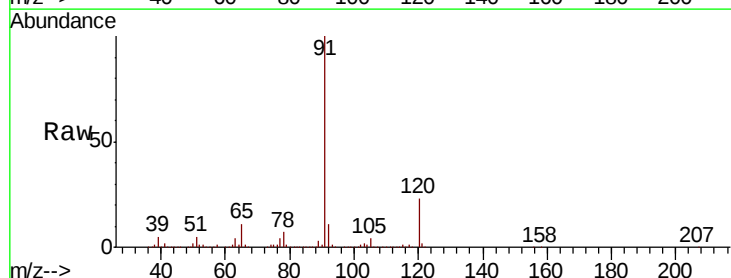
Acq: 05 May 2020 17:51

Tgt Ion: 91 Resp: 1500404

Ion Ratio Lower Upper

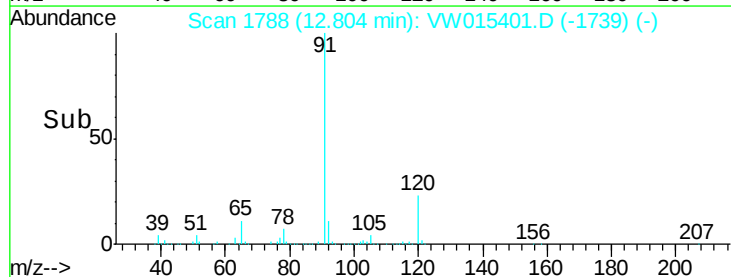
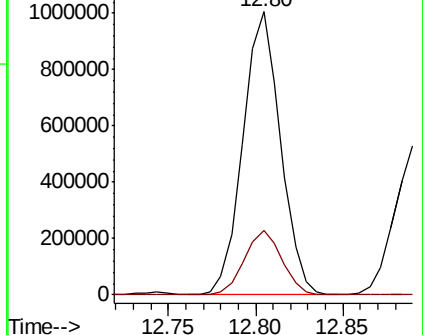
91 100

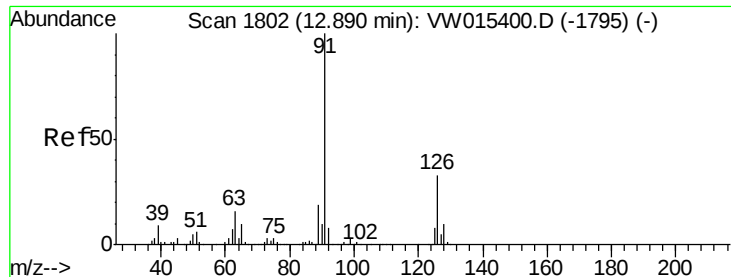
120 22.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 106.184 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

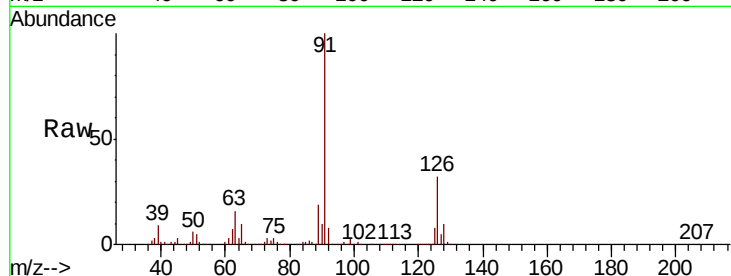
ClientSampled :

Tot Ion: 91 Resp: 851481

Ion Ratio Lower Upper

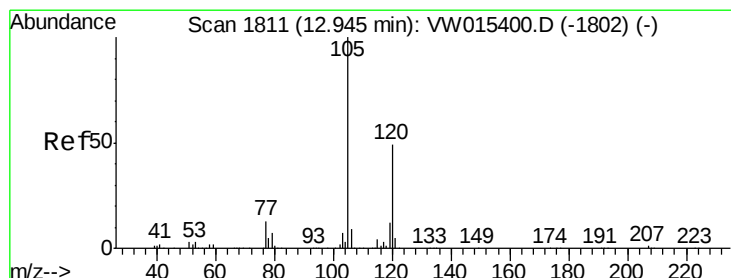
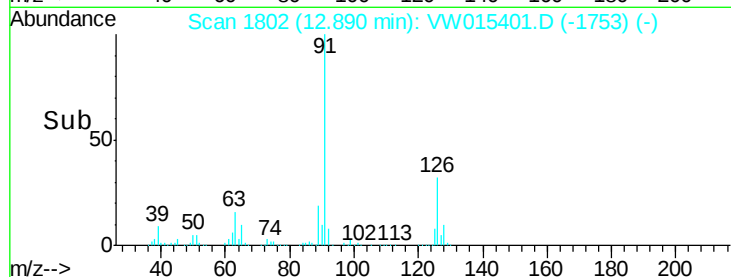
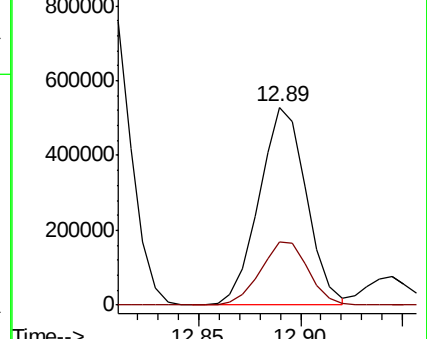
91 100

126 32.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 101.027 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015401.D

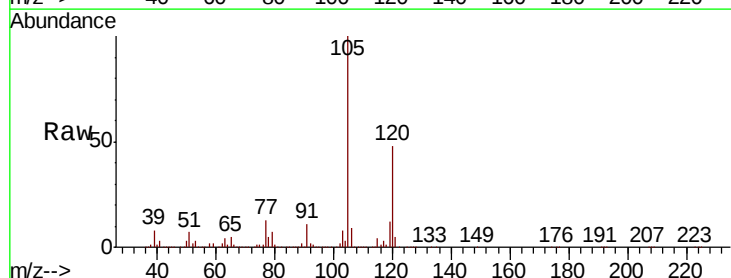
Acq: 05 May 2020 17:51

Tgt Ion:105 Resp: 1054959

Ion Ratio Lower Upper

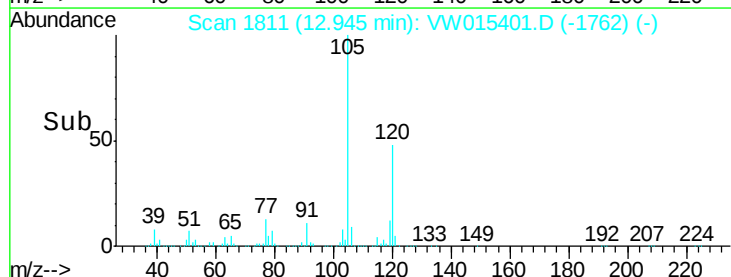
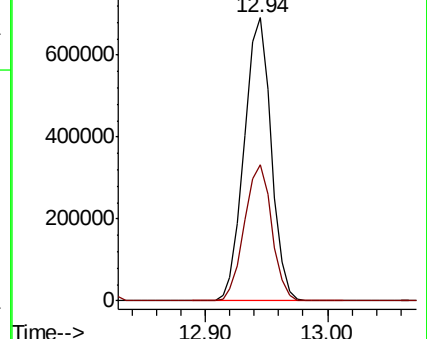
105 100

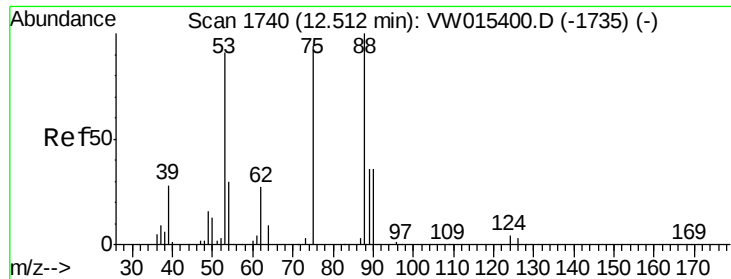
120 48.7 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 120.712 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

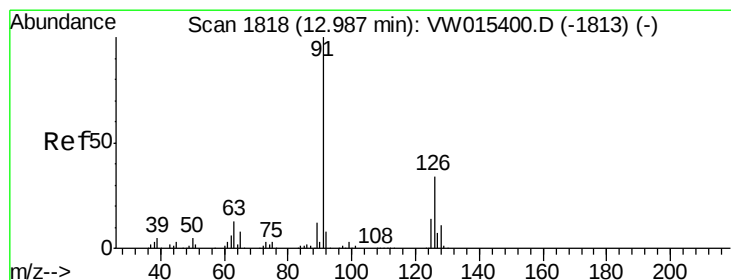
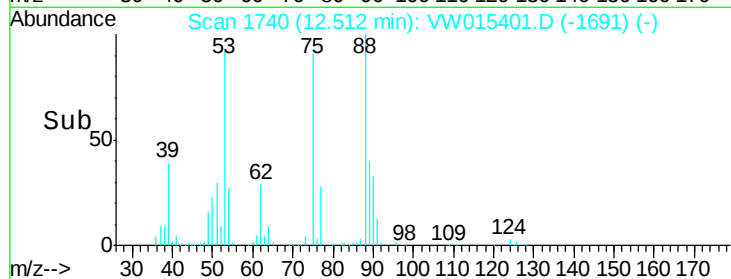
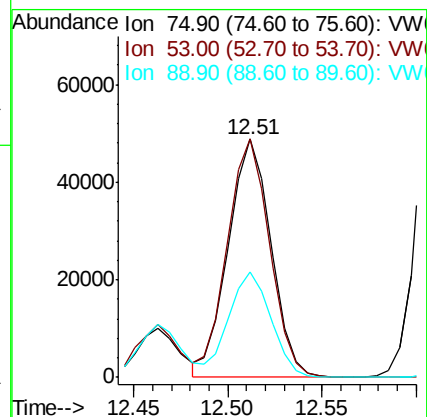
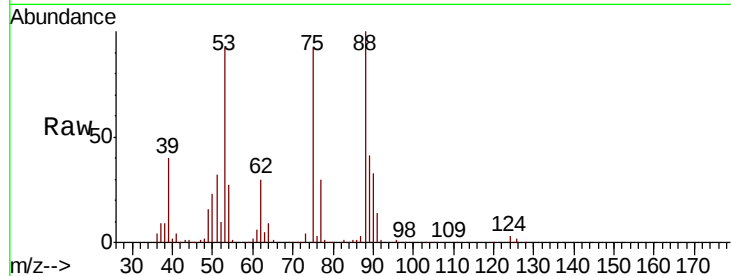
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 76047

Ion	Ratio	Lower	Upper
75	100		
53	101.1	82.5	123.7
89	43.9	35.8	53.8



#82

4-Chlorotoluene

Concen: 107.091 ug/l

RT: 12.99 min Scan# 1818

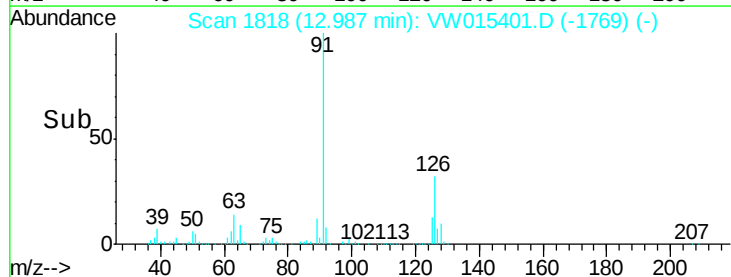
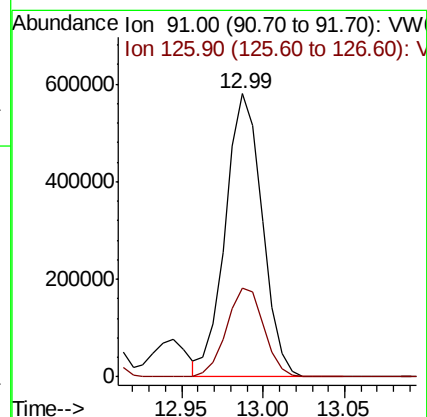
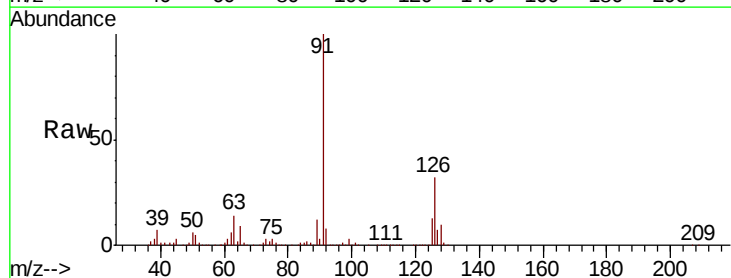
Delta R.T. 0.00 min

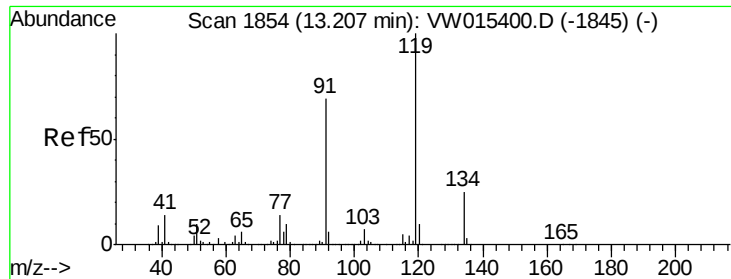
Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion: 91 Resp: 910752

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9

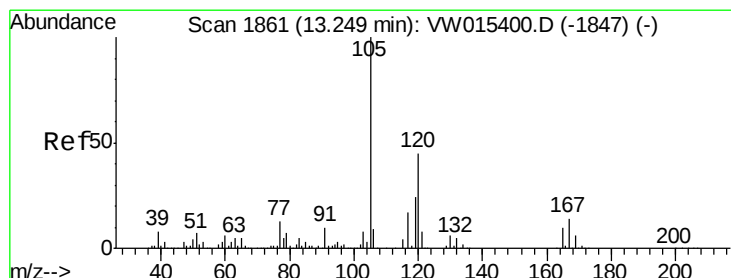
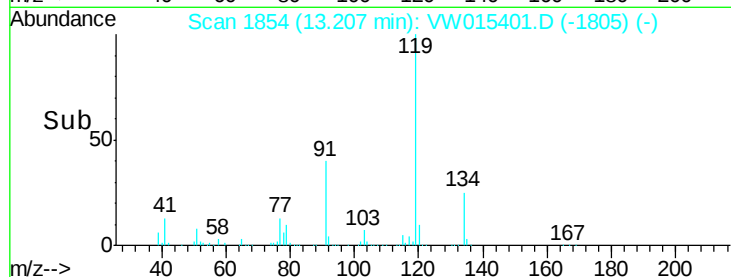
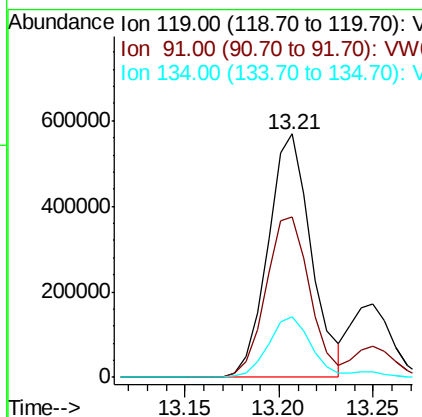
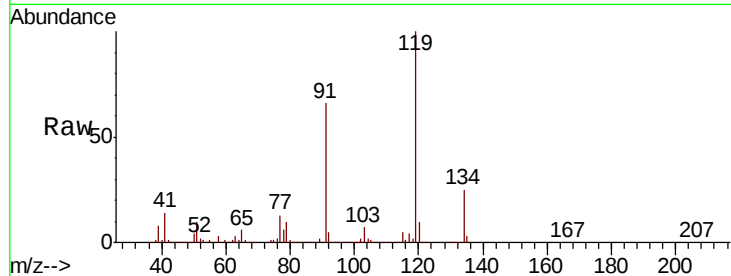




#83
 tert-Butylbenzene
 Concen: 99.215 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

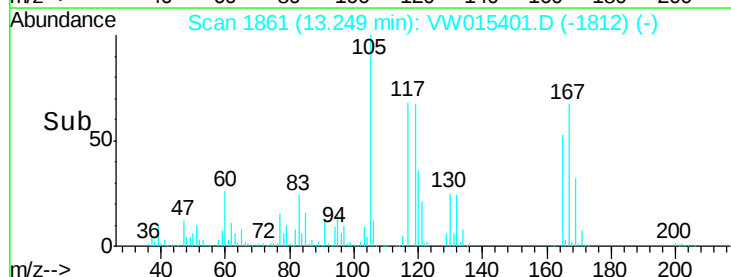
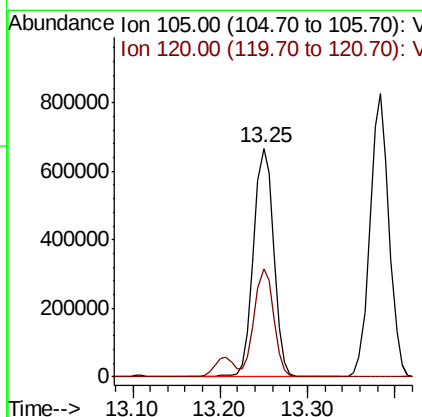
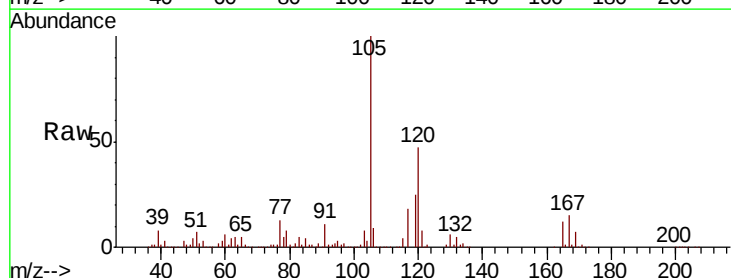
Instrument :
 MSVOA_W
 ClientSampled :

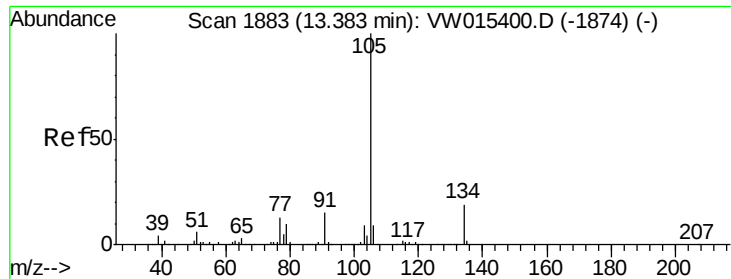
Tot Ion:119 Resp: 903212
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.8 101.4
 134 25.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 102.922 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion:105 Resp: 1063093
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.0 66.0

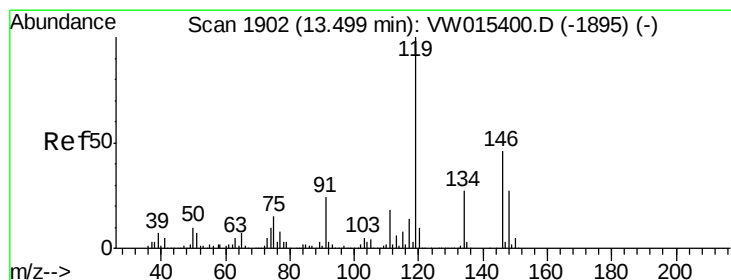
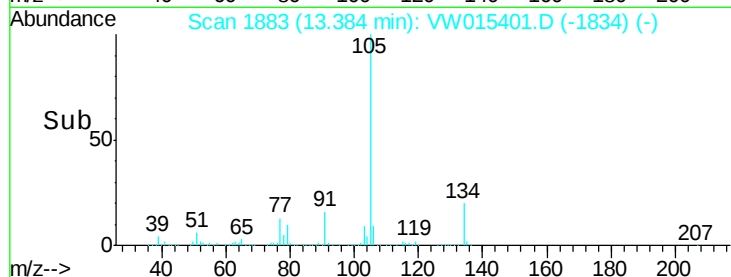
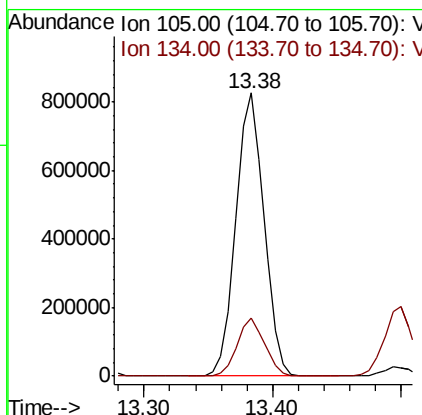
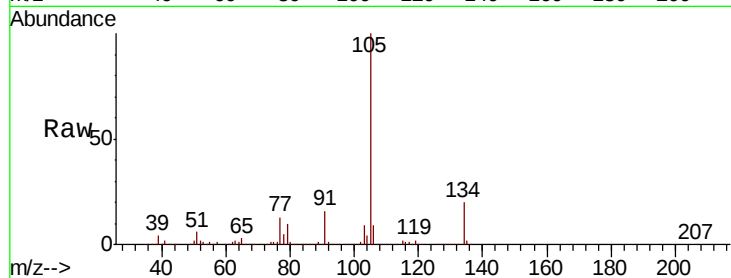




#85
 sec-Butylbenzene
 Concen: 99.361 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

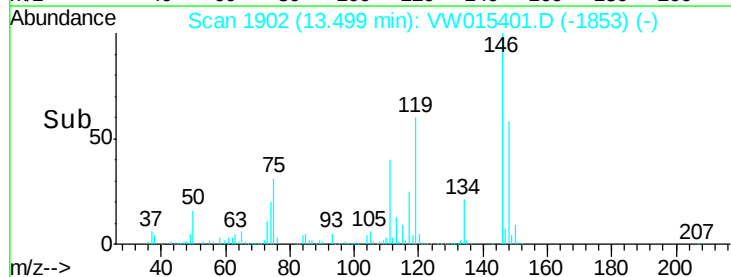
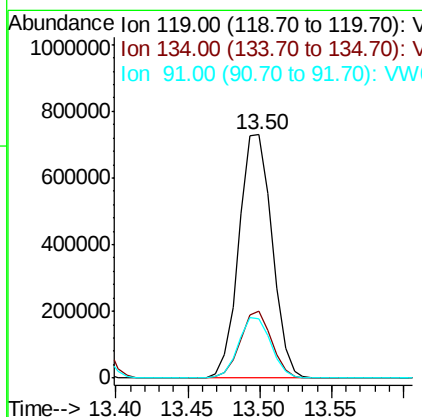
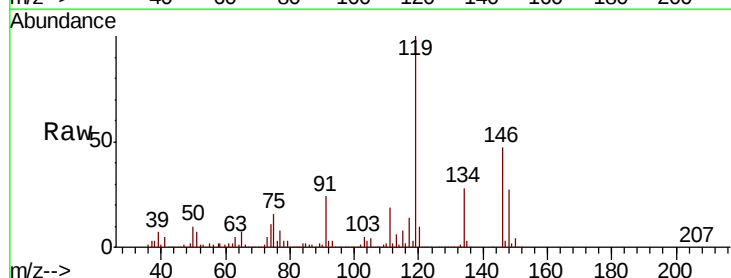
Instrument :
 MSVOA_W
 ClientSampleId :

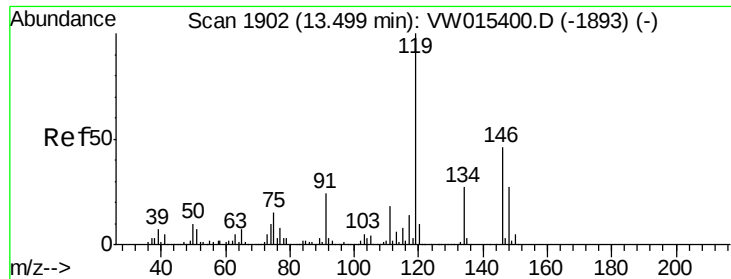
Tot Ion:105 Resp: 1253775
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 100.016 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion:119 Resp: 1166260
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.4
 91 24.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 97.245 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

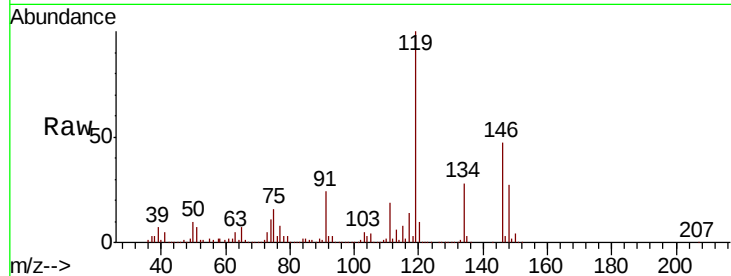
Tot Ion:146 Resp: 533422

Ion Ratio Lower Upper

146 100

111 41.8 20.5 61.5

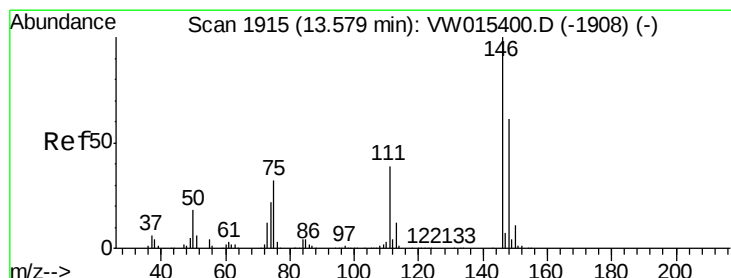
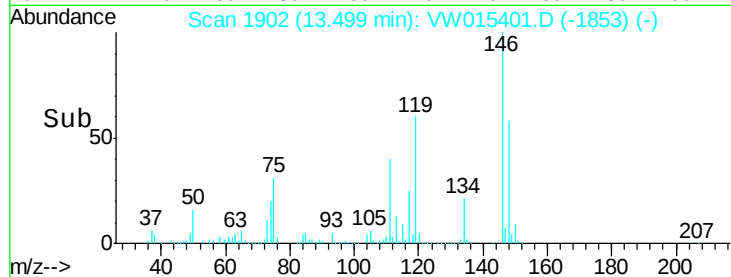
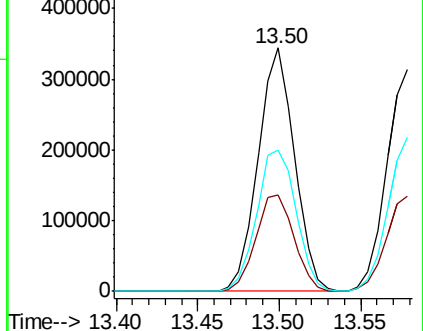
148 62.9 31.4 94.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 94.489 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

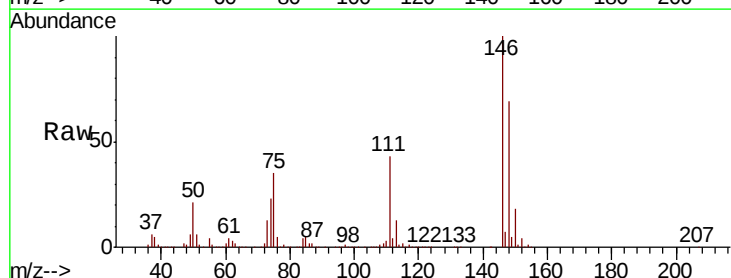
Tgt Ion:146 Resp: 508277

Ion Ratio Lower Upper

146 100

111 41.4 20.0 60.0

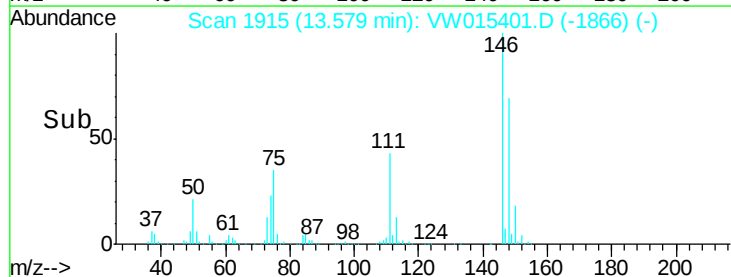
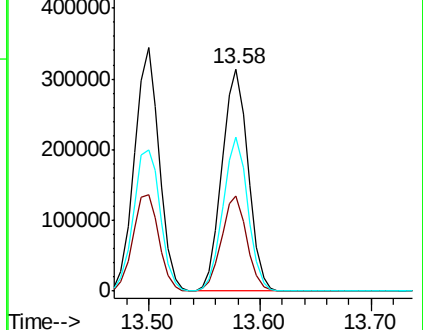
148 66.2 31.4 94.3

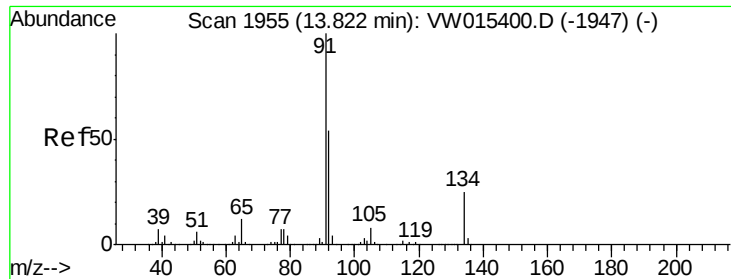


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 103.816 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

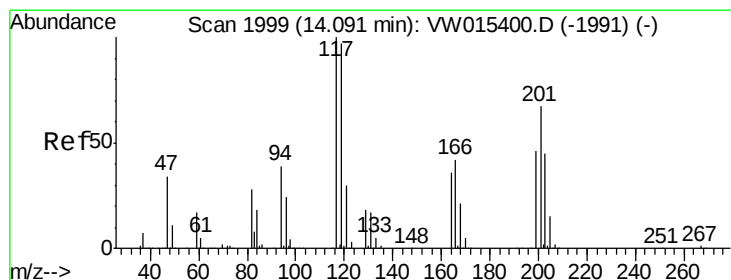
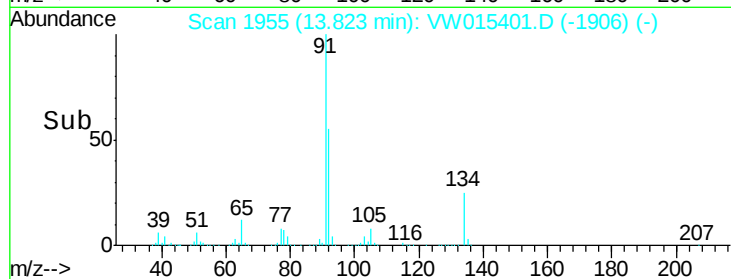
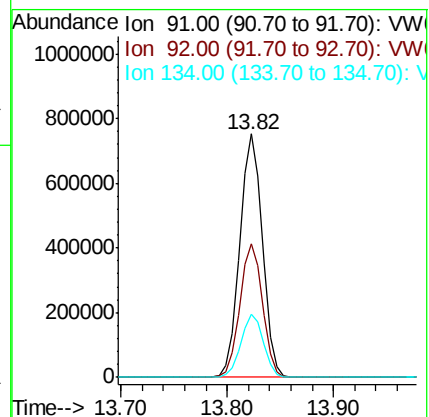
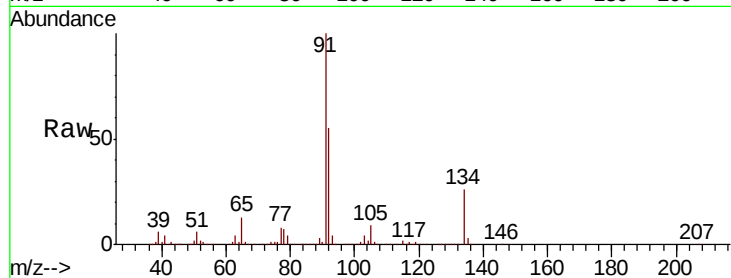
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 91 Resp: 1122713

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.2	81.6
134	25.6	12.6	37.6



#90

Hexachloroethane

Concen: 101.140 ug/l

RT: 14.09 min Scan# 1999

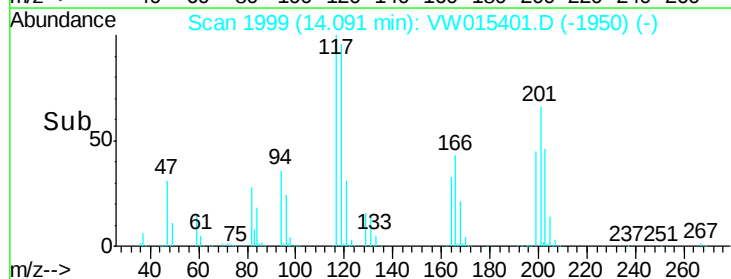
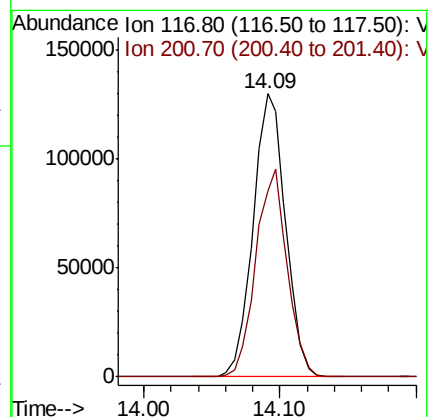
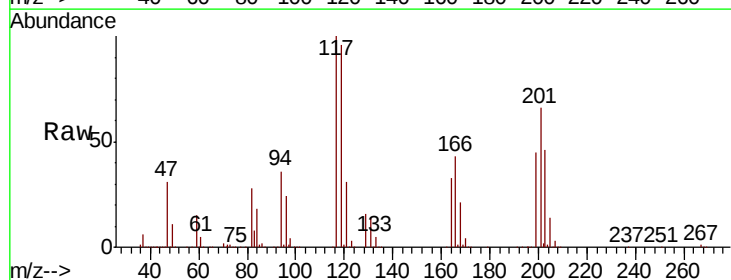
Delta R.T. 0.00 min

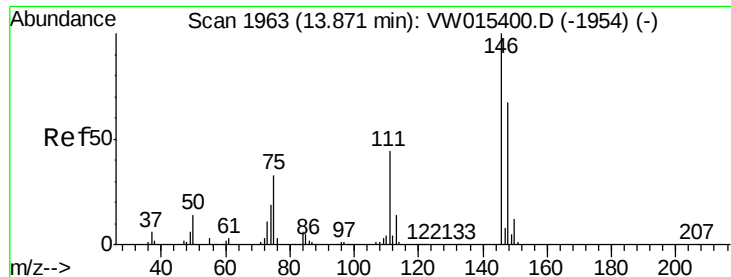
Lab File: VW015401.D

Acq: 05 May 2020 17:51

Tgt Ion: 117 Resp: 216710

Ion	Ratio	Lower	Upper
117	100		
201	71.1	35.9	107.8





#91

1,2-Dichlorobenzene

Concen: 97.534 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

Instrument :

MSVOA_W

ClientSampleId :

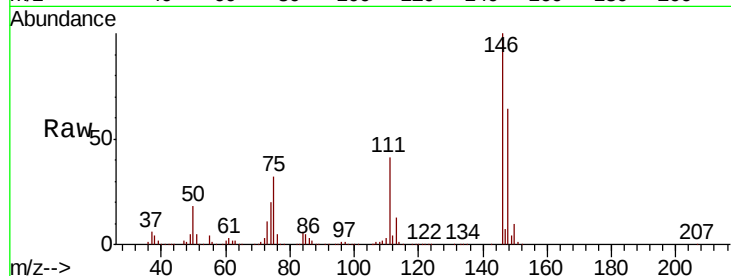
Tot Ion:146 Resp: 462364

Ion Ratio Lower Upper

146 100

111 42.7 22.1 66.3

148 63.9 32.5 97.4

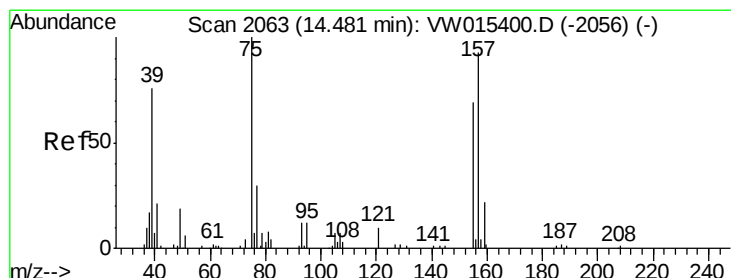
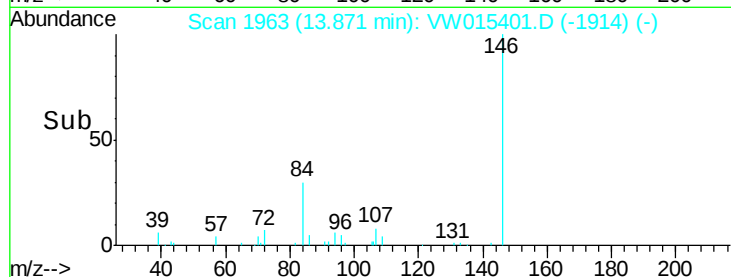
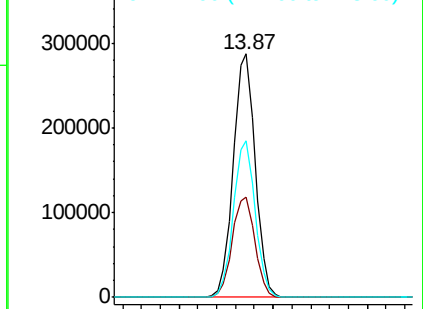


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 112.528 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015401.D

Acq: 05 May 2020 17:51

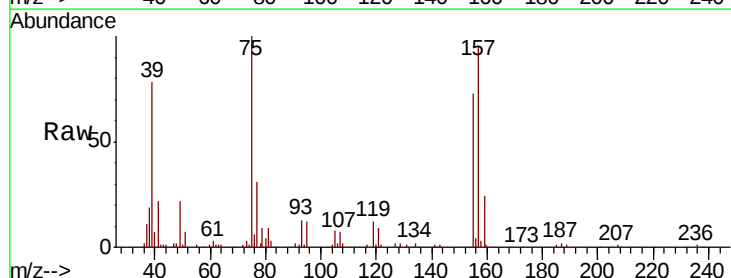
Tgt Ion: 75 Resp: 35496

Ion Ratio Lower Upper

75 100

155 78.4 38.7 116.1

157 100.9 48.1 144.4

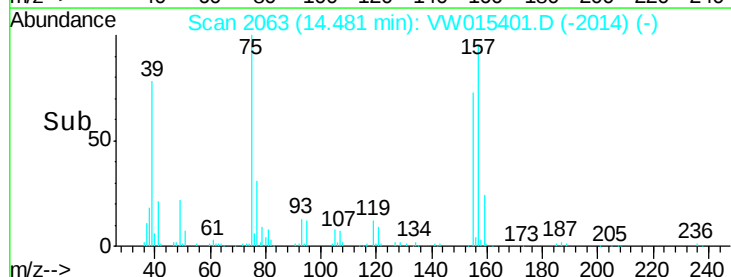
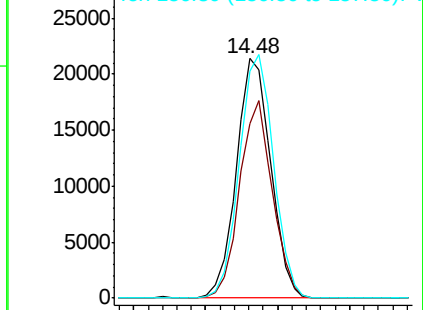


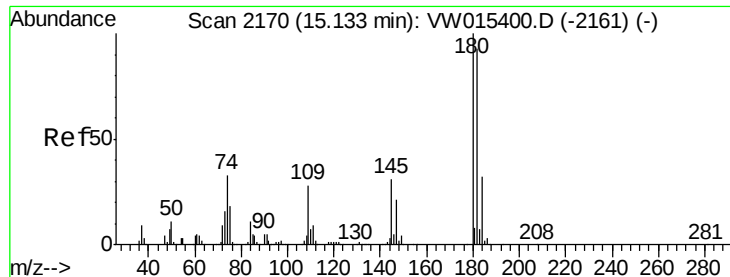
Abundance

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

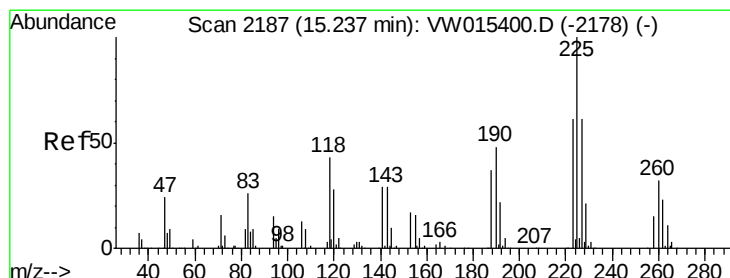
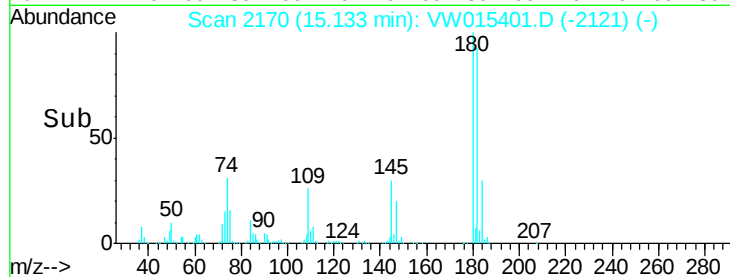
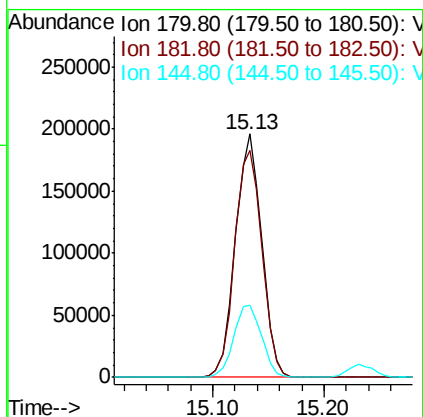
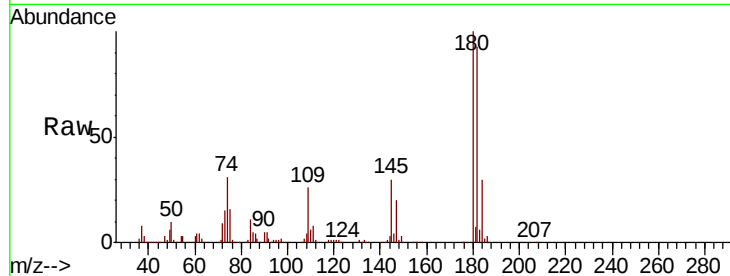




#93
 1,2,4-Trichlorobenzene
 Concen: 97.567 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

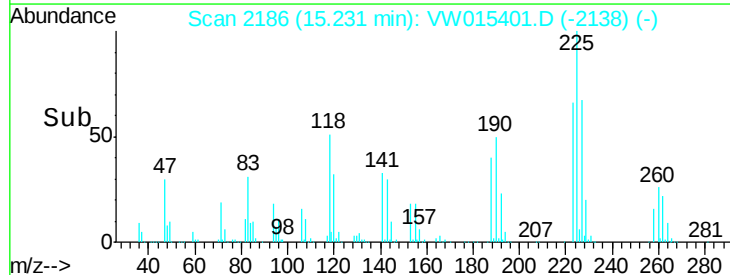
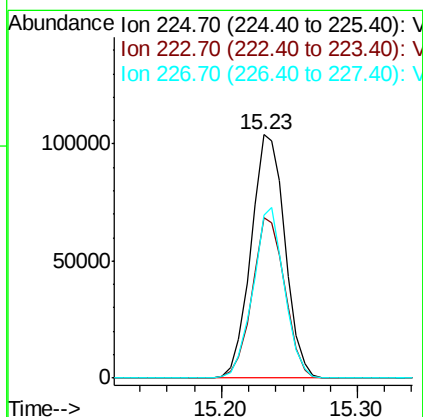
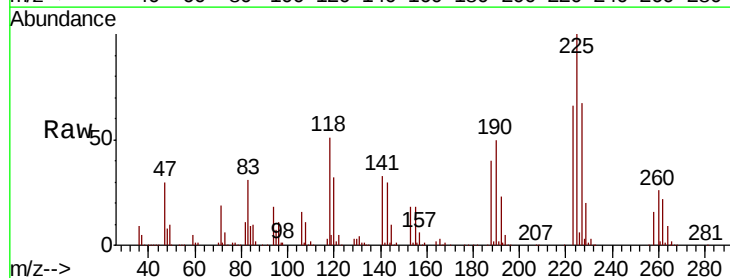
Instrument :
 MSVOA_W
 ClientSampleId :

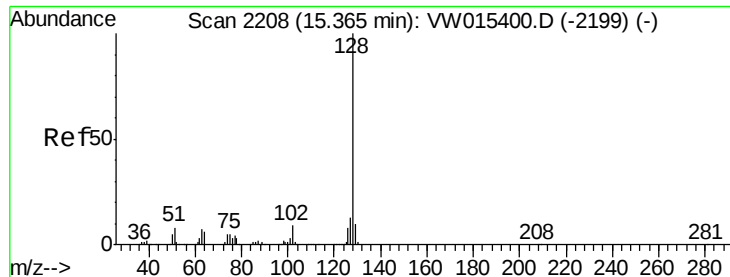
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.2	141.6
145	31.4	15.6	46.8



#94
 Hexachlorobutadiene
 Concen: 83.702 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015401.D
 Acq: 05 May 2020 17:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	30.7	92.1
227	64.8	32.0	96.0

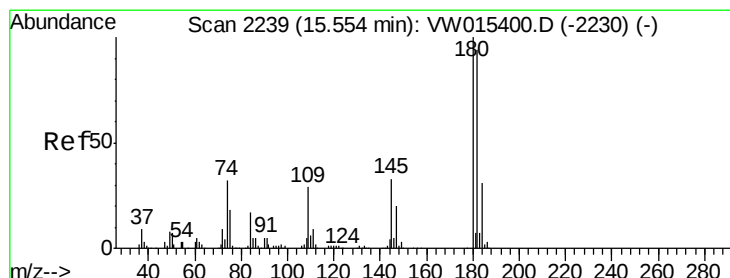
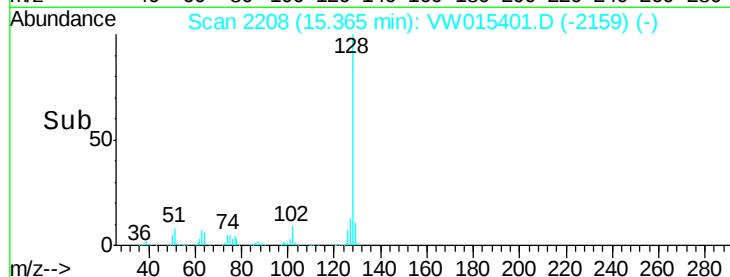
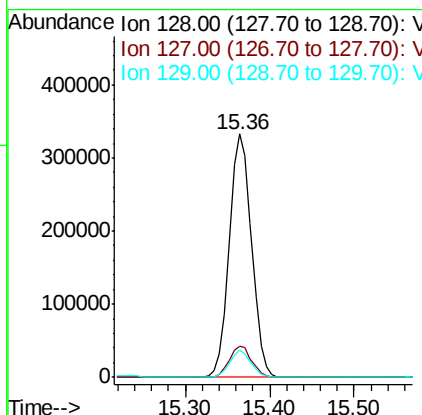
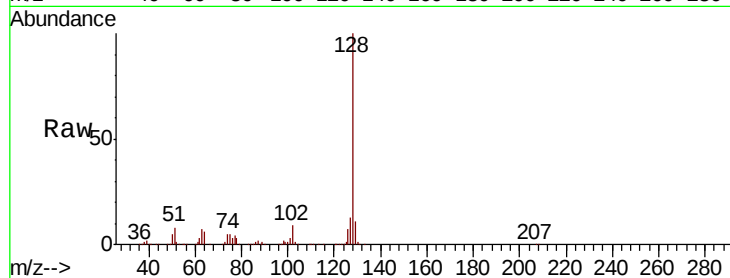




#95
Naphthalene
Concen: 110.970 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 596387
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 101.808 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015401.D
Acq: 05 May 2020 17:51

Tgt Ion:180 Resp: 273320
Ion Ratio Lower Upper
180 100
182 93.3 47.6 142.8
145 32.4 16.3 48.8

