

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015113.D
 Acq On : 10 Mar 2020 15:11
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 11 09:08:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	417798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	758344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	685362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	305290	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	300587	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.88	113	228055	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.32	98	980600	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	329320	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	112455	44.389	ug/l	99
3) Chloromethane	2.21	50	244223	44.923	ug/l	99
4) Vinyl Chloride	2.37	62	335082	47.080	ug/l	98
5) Bromomethane	2.78	94	185763	45.661	ug/l	99
6) Chloroethane	2.92	64	201019	48.762	ug/l	99
7) Trichlorofluoromethane	3.26	101	210242	59.029	ug/l	100
8) Diethyl Ether	3.68	74	140822	51.889	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	270732	49.864	ug/l	98
10) Methyl Iodide	4.27	142	310492	51.404	ug/l	99
11) Tert butyl alcohol	5.17	59	87185	246.945	ug/l	100
12) 1,1-Dichloroethene	4.04	96	267035	50.304	ug/l	99
13) Acrolein	3.89	56	123044	238.298	ug/l	97
14) Allyl chloride	4.67	41	584815	54.974	ug/l	99
15) Acrylonitrile	5.36	53	362676	260.709	ug/l	100
16) Acetone	4.12	43	402933	287.600	ug/l	99
17) Carbon Disulfide	4.38	76	936251	49.745	ug/l	99
18) Methyl Acetate	4.67	43	173343	52.194	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	381592	56.154	ug/l	99
20) Methylene Chloride	4.91	84	311361	54.819	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	300283	53.279	ug/l	99
22) Diisopropyl ether	6.31	45	1149665	56.323	ug/l	99
23) Vinyl Acetate	6.25	43	3431462	284.778	ug/l	100
24) 1,1-Dichloroethane	6.21	63	623057	52.343	ug/l	99
25) 2-Butanone	7.16	43	536028	279.088	ug/l	100
26) 2,2-Dichloropropane	7.16	77	368139	54.075	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	312953	53.335	ug/l	98
28) Bromochloromethane	7.51	49	297376	52.138	ug/l	98
29) Tetrahydrofuran	7.52	42	330594	275.184	ug/l	99
30) Chloroform	7.67	83	545655	51.656	ug/l	98
31) Cyclohexane	7.95	56	626030	51.136	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	432711	52.463	ug/l	99
36) 1,1-Dichloropropene	8.08	75	480912	54.684	ug/l	99
37) Ethyl Acetate	7.24	43	232371	53.015	ug/l	99
38) Carbon Tetrachloride	8.06	117	375681	52.476	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	557093	55.401	ug/l	98
40) Benzene	8.32	78	1306454	53.456	ug/l	99
41) Methacrylonitrile	7.48	41	139298	60.093	ug/l	91
42) 1,2-Dichloroethane	8.40	62	395936	53.175	ug/l	100
43) Isopropyl Acetate	8.42	43	429282	54.631	ug/l	100
44) Trichloroethene	9.09	130	273450	52.563	ug/l	100
45) 1,2-Dichloropropane	9.37	63	349762	53.141	ug/l	99
46) Dibromomethane	9.46	93	149931	52.389	ug/l	98
47) Bromodichloromethane	9.64	83	407870	53.381	ug/l	99
48) Methyl methacrylate	9.43	41	217453	53.750	ug/l	93
49) 1,4-Dioxane	9.44	88	45485	1038.074	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	1137266	262.028	ug/l	100
52) Toluene	10.38	92	763795	54.402	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	413039	54.948	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	494907	54.047	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	203748	51.957	ug/l	97
56) Ethyl methacrylate	10.64	69	291444	51.478	ug/l	99
57) 1,3-Dichloropropane	10.93	76	400993	53.710	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	844720	284.522	ug/l	99
59) 2-Hexanone	10.96	43	799385	267.259	ug/l	99
60) Dibromochloromethane	11.13	129	214535	52.969	ug/l	99
61) 1,2-Dibromoethane	11.23	107	181472	52.199	ug/l	100
64) Tetrachloroethene	10.86	164	202936	51.309	ug/l	96
65) Chlorobenzene	11.65	112	726930	52.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	236939	51.723	ug/l	99
67) Ethyl Benzene	11.72	91	1496269	55.895	ug/l	100
68) m/p-Xylenes	11.83	106	1053089	111.281	ug/l	100
69) o-Xylene	12.16	106	472658	55.446	ug/l	99
70) Styrene	12.18	104	815737	55.847	ug/l	99
71) Bromoform	12.35	173	104321	51.315	ug/l #	99
73) Isopropylbenzene	12.46	105	1339746	57.449	ug/l	99
74) N-amyl acetate	12.27	43	398859	51.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	252015	53.218	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	335770	97.314	ug/l #	100
77) Bromobenzene	12.74	156	250052	54.249	ug/l	98
78) n-propylbenzene	12.80	91	1752396	57.821	ug/l	100
79) 2-Chlorotoluene	12.89	91	960364	56.360	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1138377	56.773	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	82119	53.756	ug/l	94
82) 4-Chlorotoluene	12.99	91	1012202	55.779	ug/l	99
83) tert-Butylbenzene	13.20	119	931512	57.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1136368	56.679	ug/l	99
85) sec-Butylbenzene	13.38	105	1408924	57.311	ug/l	99
86) p-Isopropyltoluene	13.49	119	1199070	56.743	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	525703	53.828	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	508734	52.902	ug/l	99
89) n-Butylbenzene	13.82	91	1316299	57.759	ug/l	100
90) Hexachloroethane	14.09	117	225064	53.106	ug/l	97
91) 1,2-Dichlorobenzene	13.86	146	451328	52.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	39642	52.131	ug/l	96

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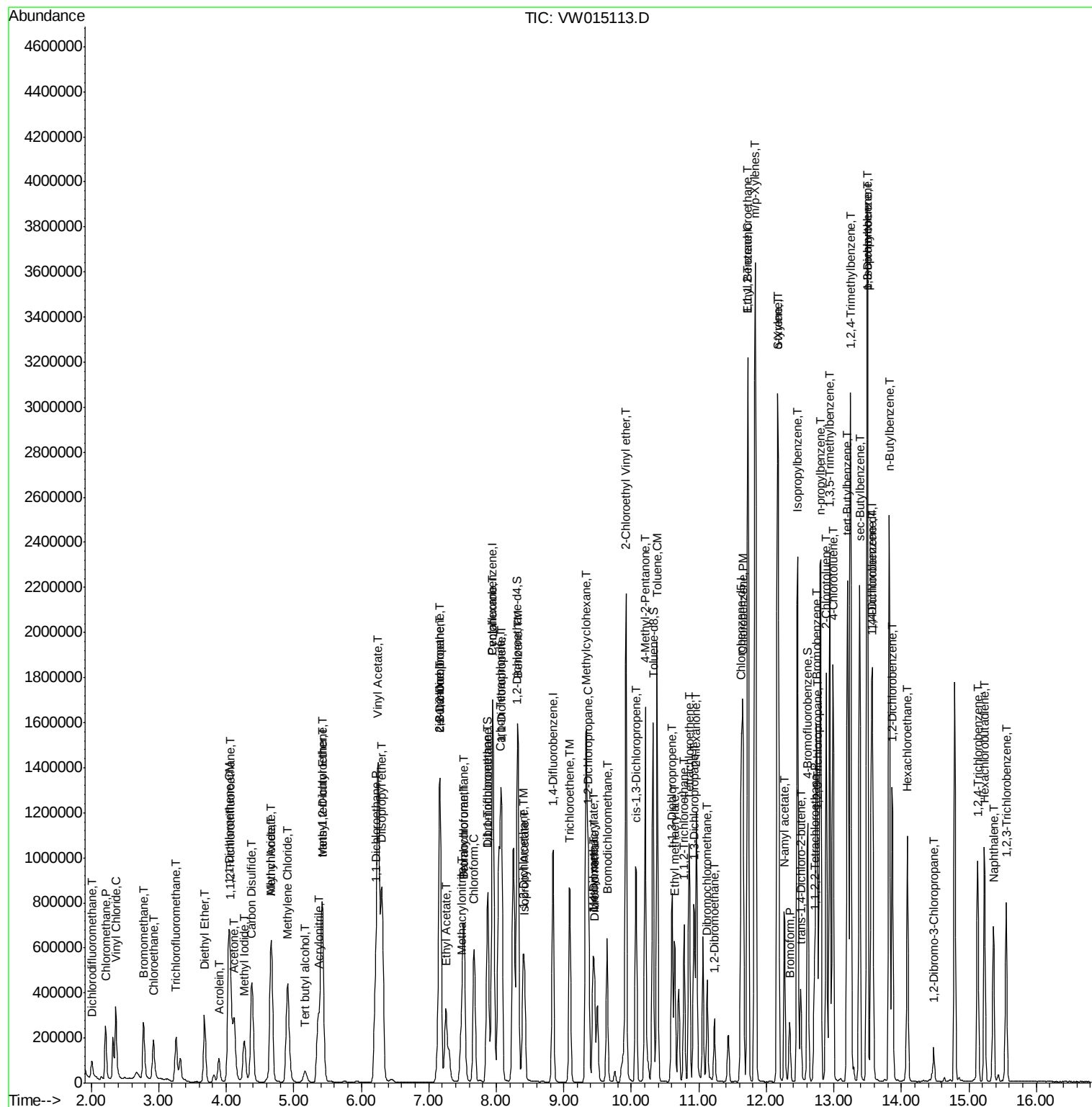
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	267809	54.713	ug/l	99
94) Hexachlorobutadiene	15.23	225	159100	51.771	ug/l	98
95) Naphthalene	15.36	128	530941	49.622	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	229929	52.961	ug/l	99

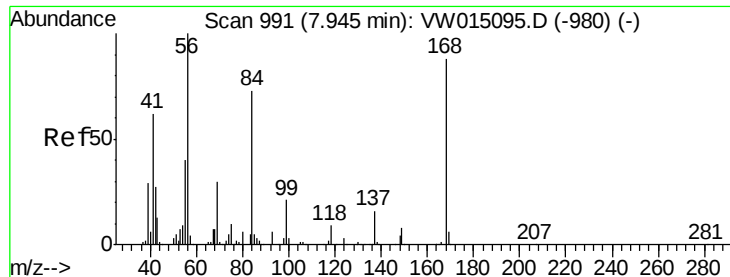
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015113.D
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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: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

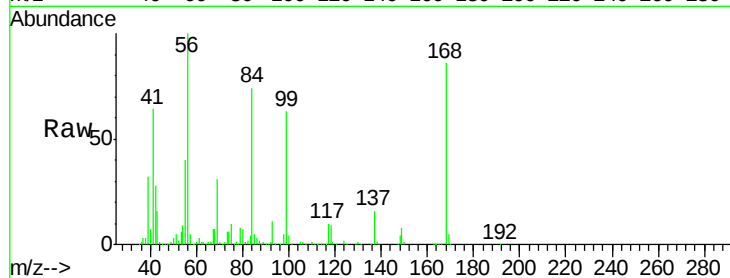
ClientSampled :

Tot Ion:168 Resp: 417798

Ion Ratio Lower Upper

168 100

99 73.4 57.2 85.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

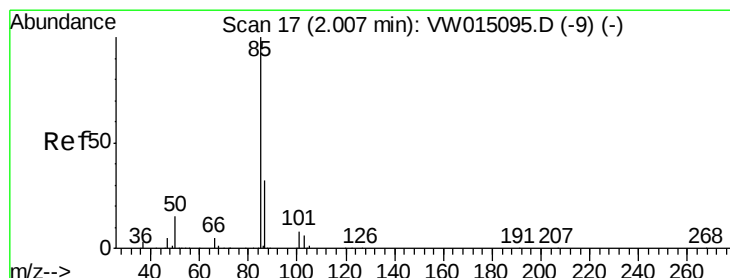
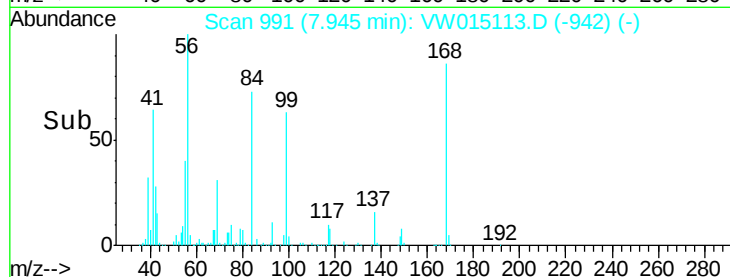
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 44.389 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015113.D

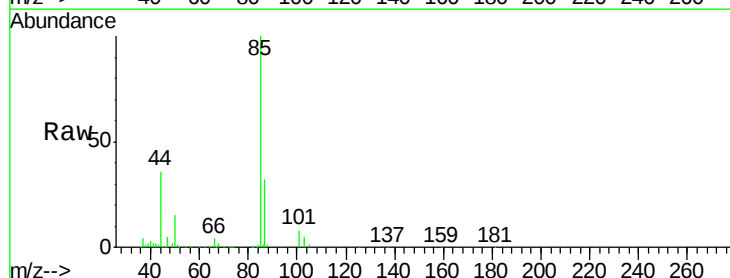
Acq: 10 Mar 2020 15:11

Tgt Ion: 85 Resp: 112455

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

40000

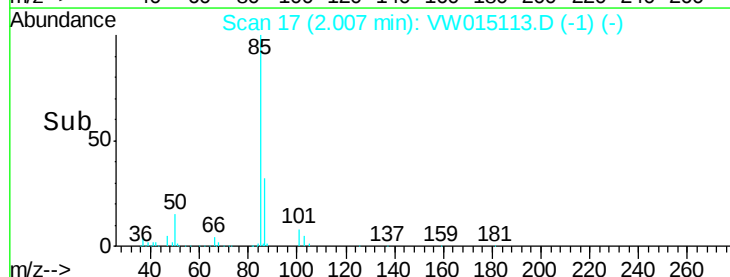
30000

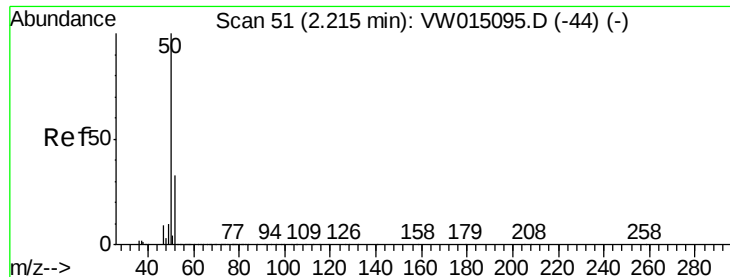
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 44.923 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

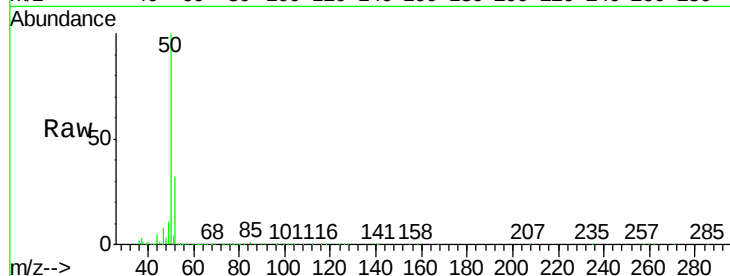
ClientSampleId :

Tot Ion: 50 Resp: 244223

Ion Ratio Lower Upper

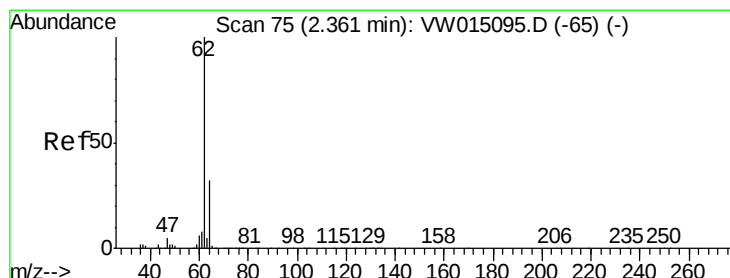
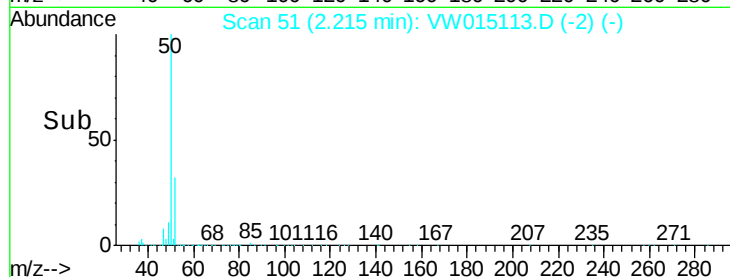
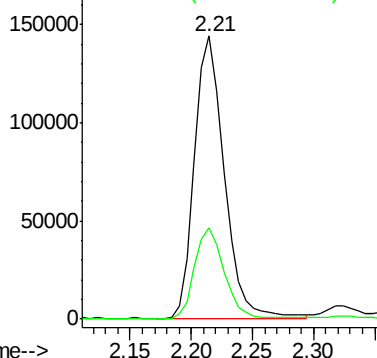
50 100

52 32.5 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 47.080 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015113.D

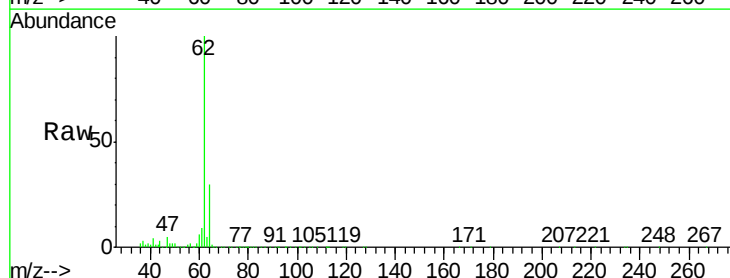
Acq: 10 Mar 2020 15:11

Tgt Ion: 62 Resp: 335082

Ion Ratio Lower Upper

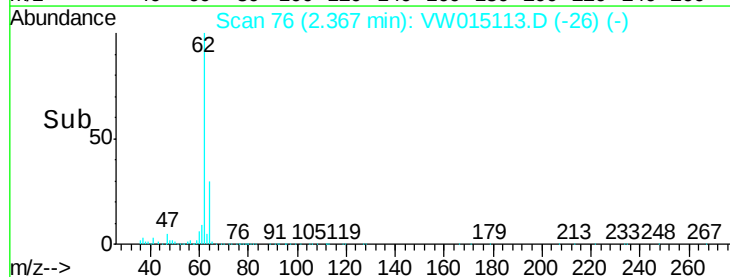
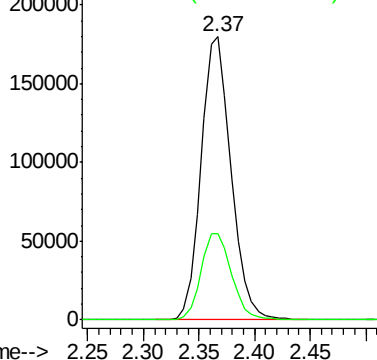
62 100

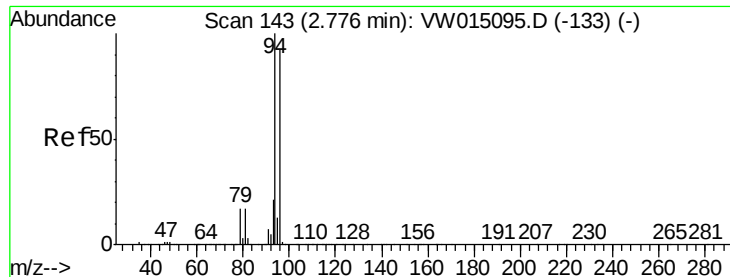
64 30.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 45.661 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

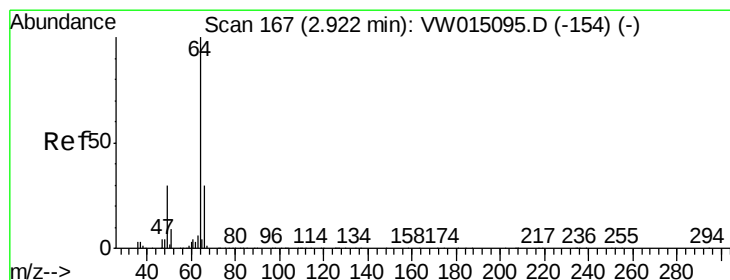
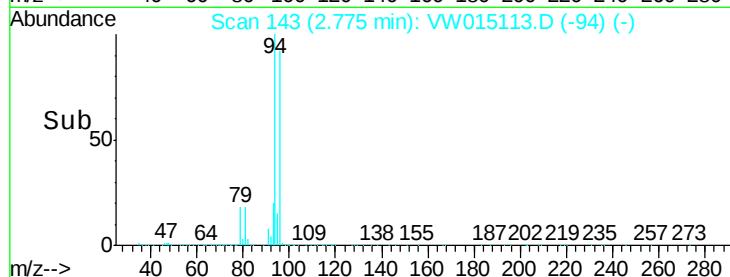
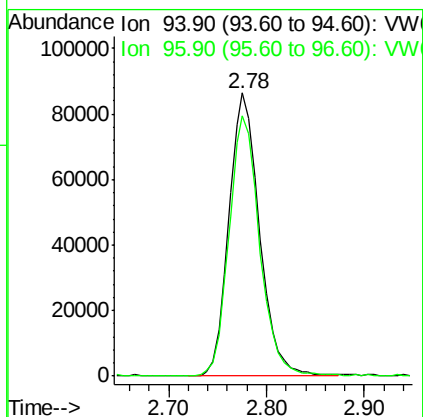
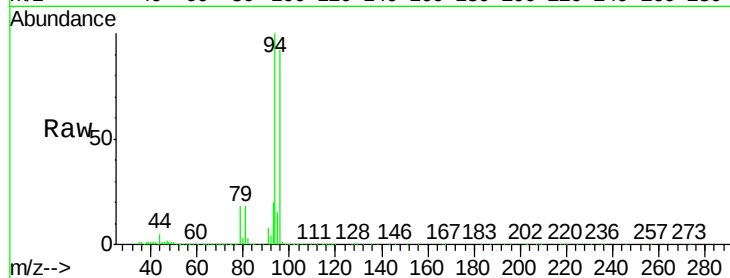
ClientSampleId :

Tot Ion: 94 Resp: 185763

Ion Ratio Lower Upper

94 100

96 91.9 74.0 111.0



#6

Chloroethane

Concen: 48.762 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015113.D

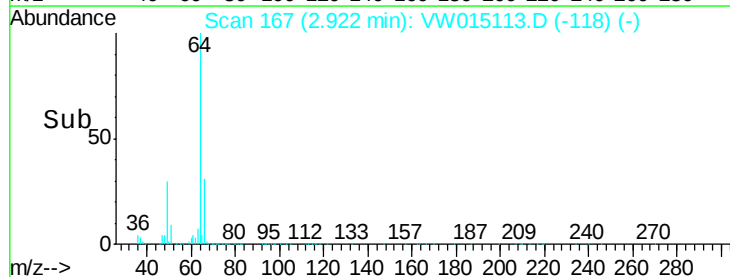
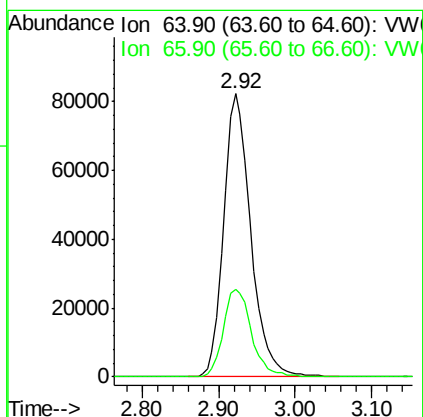
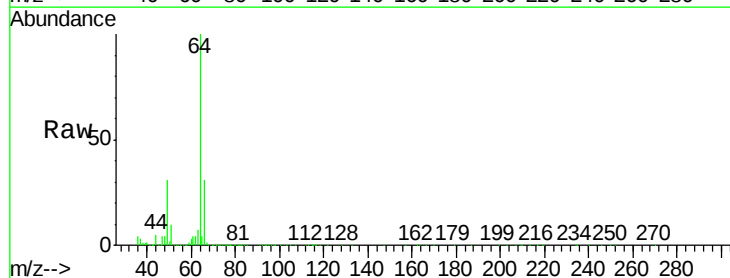
Acq: 10 Mar 2020 15:11

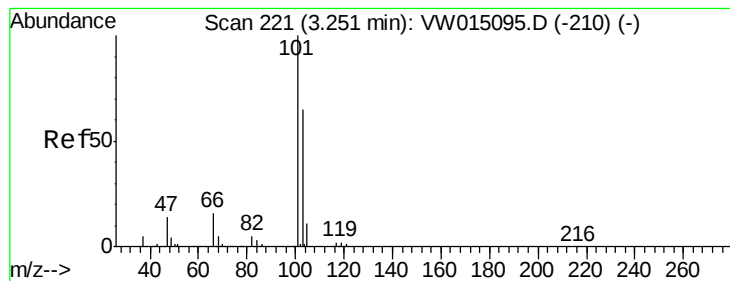
Tgt Ion: 64 Resp: 201019

Ion Ratio Lower Upper

64 100

66 30.8 24.2 36.2



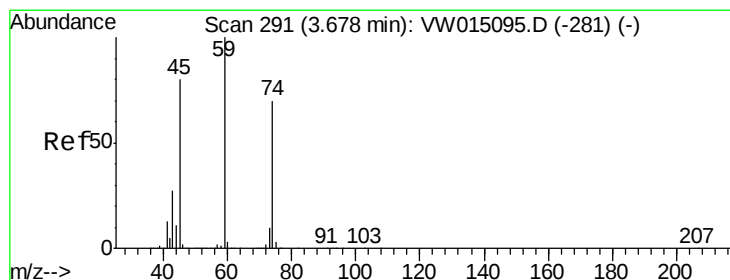
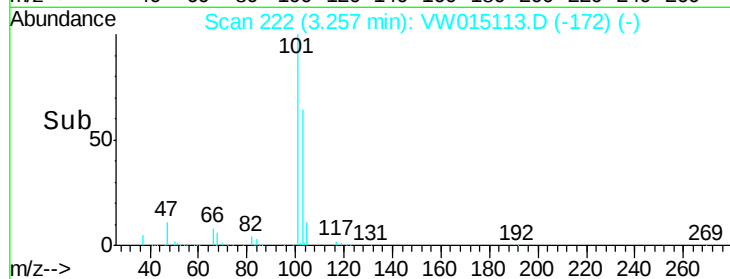
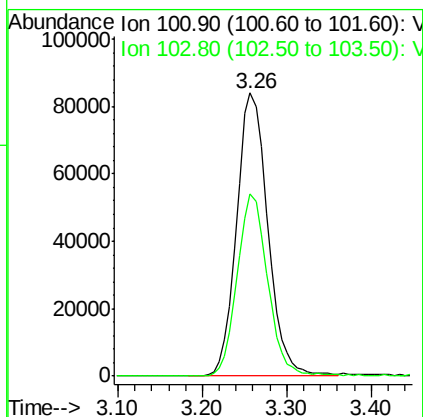
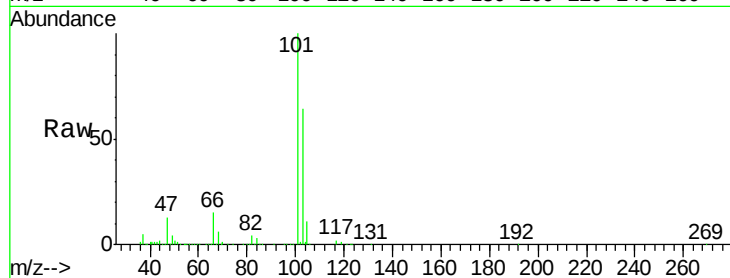


#7

Trichlorofluoromethane
Concen: 59.029 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :

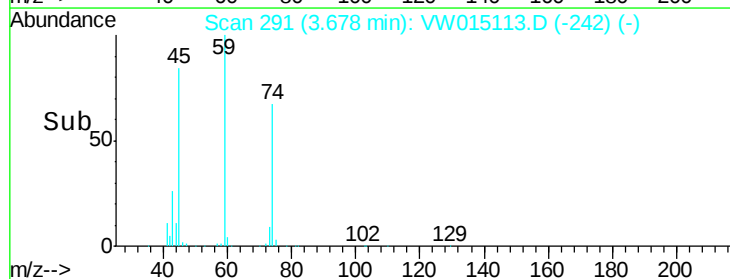
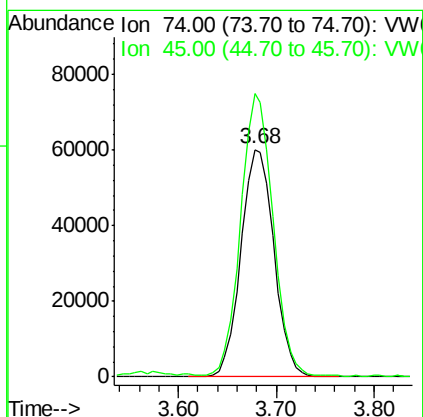
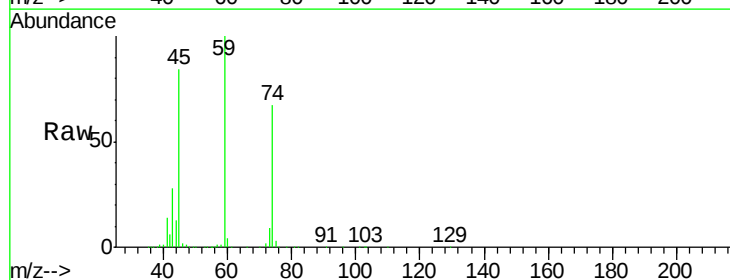
Tot Ion:101 Resp: 210242
Ion Ratio Lower Upper
101 100
103 64.3 51.8 77.6

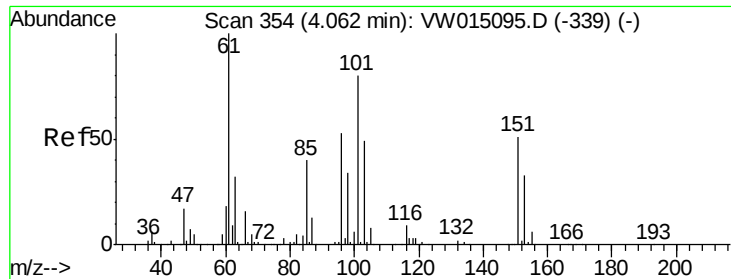


#8

Diethyl Ether
Concen: 51.889 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 74 Resp: 140822
Ion Ratio Lower Upper
74 100
45 121.8 59.2 177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.864 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

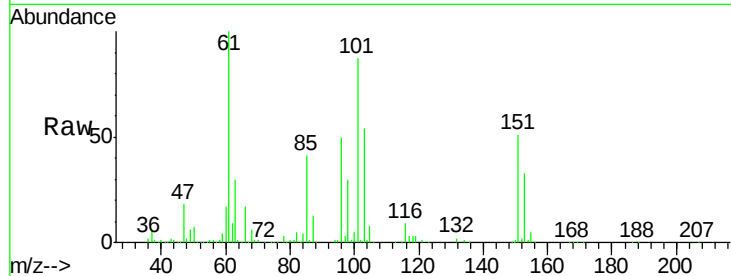
Tot Ion:101 Resp: 270732

Ion Ratio Lower Upper

101 100

85 47.3 39.0 58.4

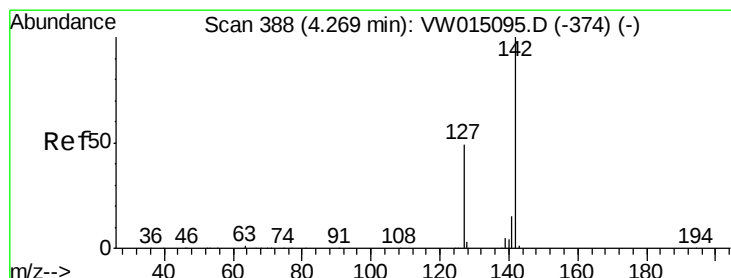
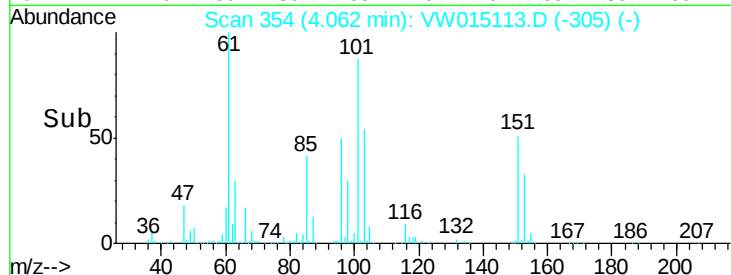
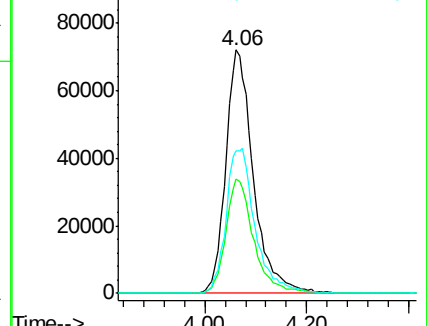
151 62.3 50.8 76.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.404 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

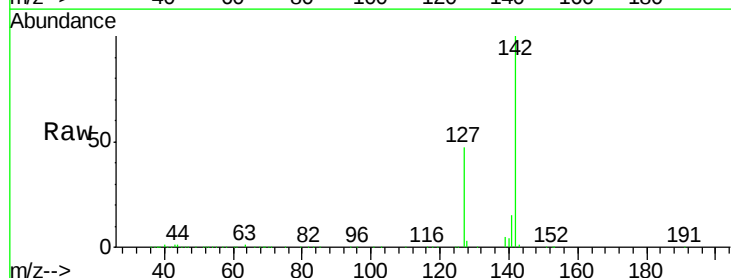
Tgt Ion:142 Resp: 310492

Ion Ratio Lower Upper

142 100

127 48.9 38.2 57.4

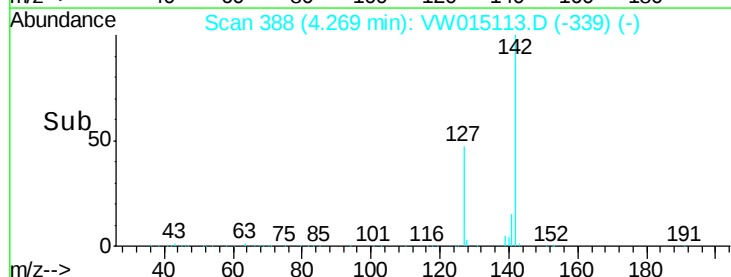
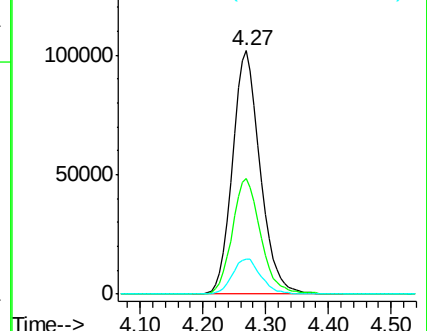
141 15.0 12.0 18.0

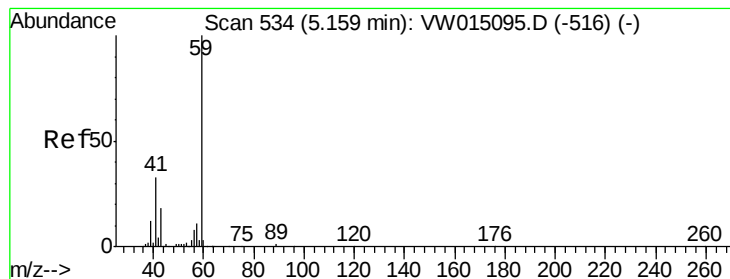


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



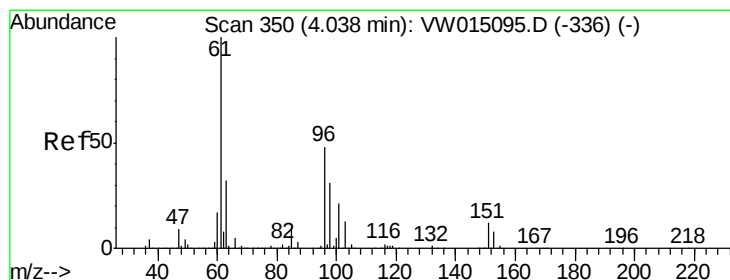
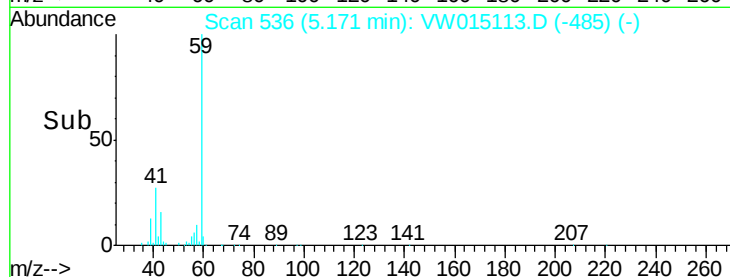
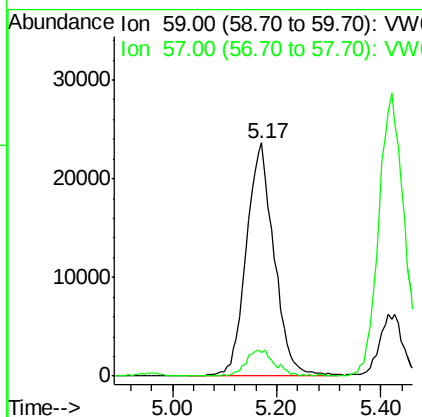
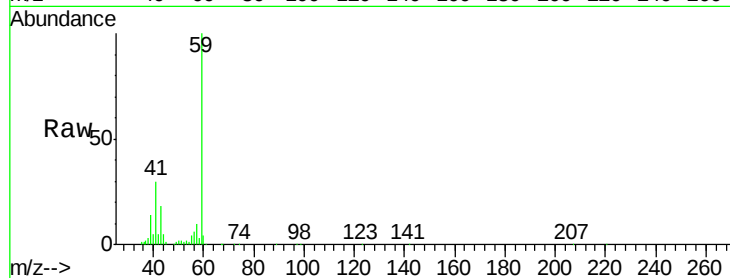


#11

Tert butyl alcohol
Concen: 246.945 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :

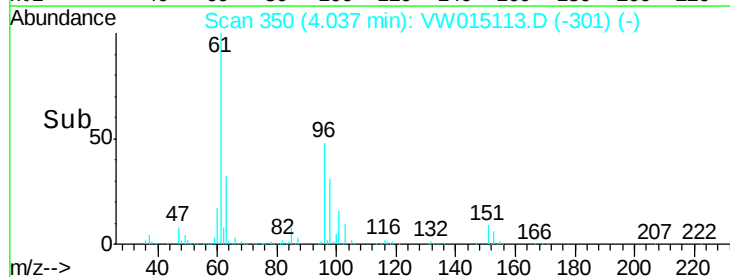
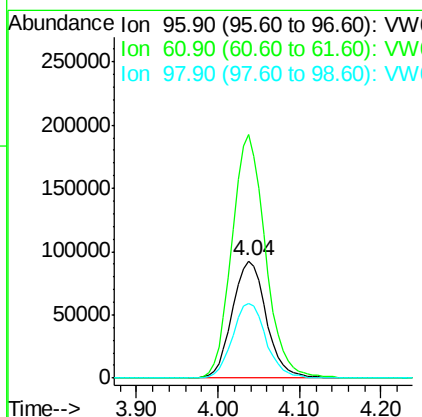
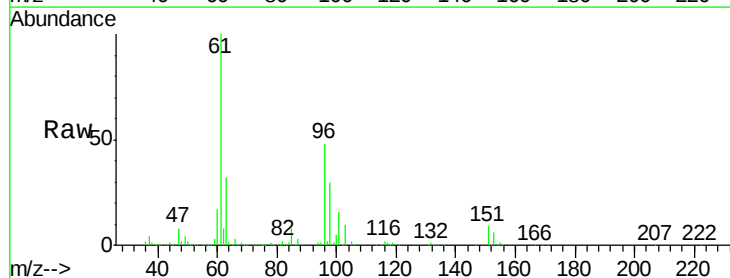
Tot Ion: 59 Resp: 87185
Ion Ratio Lower Upper
59 100
57 11.6 9.1 13.7

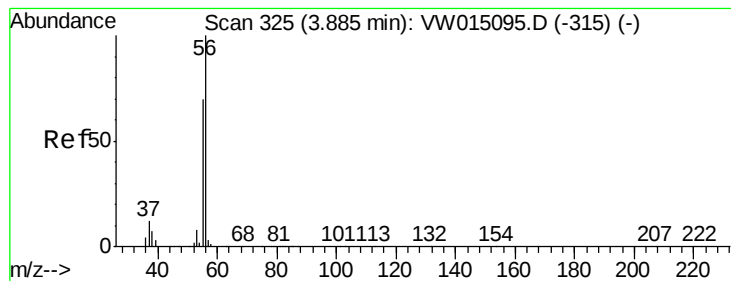


#12

1,1-Dichloroethene
Concen: 50.304 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 96 Resp: 267035
Ion Ratio Lower Upper
96 100
61 208.2 165.5 248.3
98 63.5 51.1 76.7





#13

Acrolein

Concen: 238.298 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

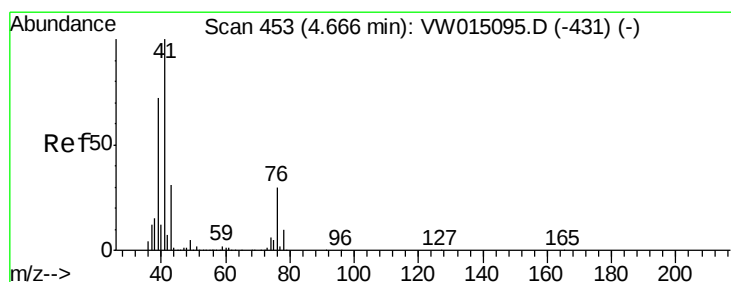
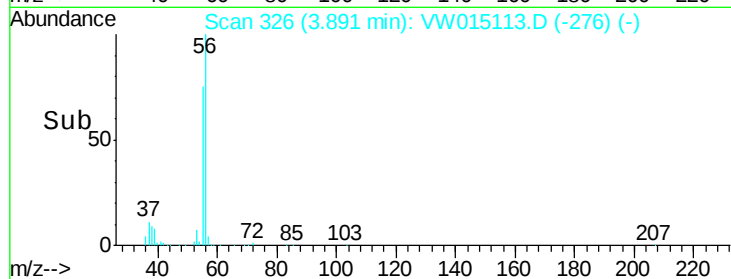
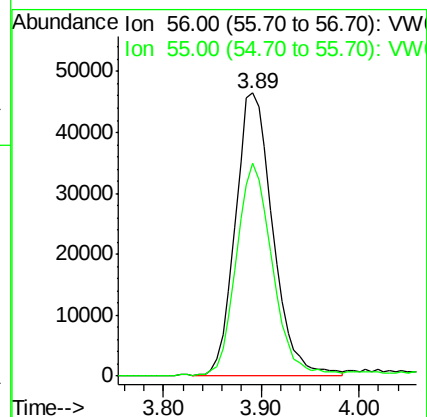
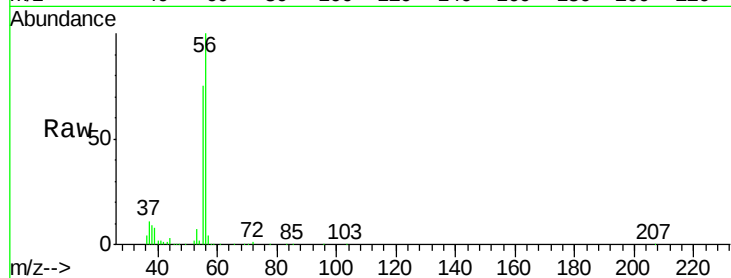
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 123044

Ion Ratio Lower Upper

56 100

55 71.5 55.4 83.2



#14

Allyl chloride

Concen: 54.974 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

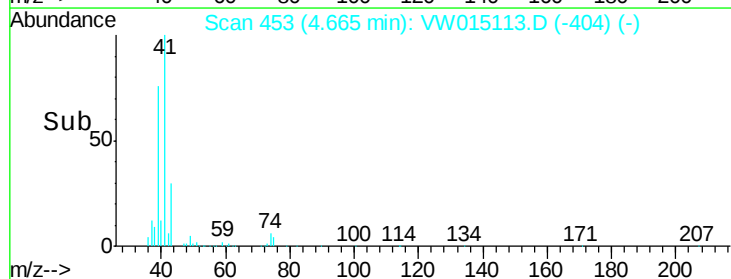
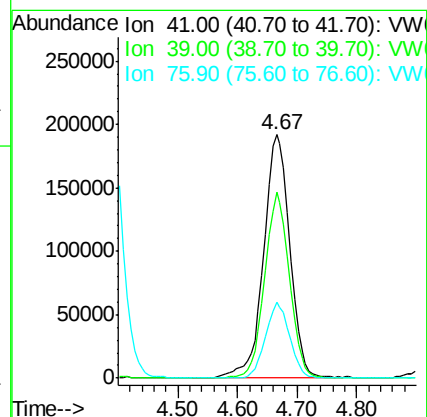
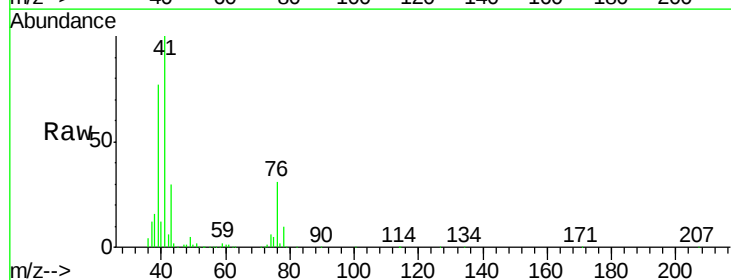
Tgt Ion: 41 Resp: 584815

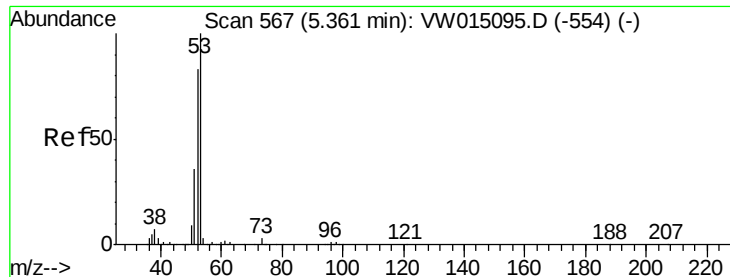
Ion Ratio Lower Upper

41 100

39 72.4 56.9 85.3

76 28.5 23.2 34.8





#15

Acrylonitrile

Concen: 260.709 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

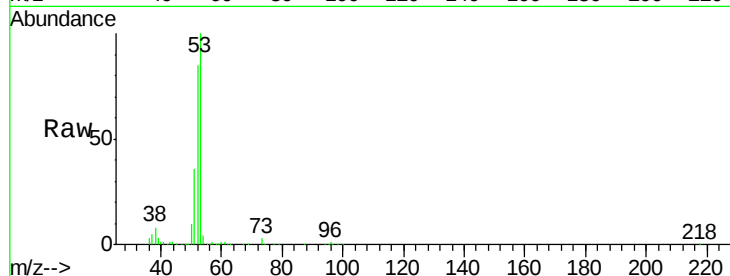
Tot Ion: 53 Resp: 362676

Ion Ratio Lower Upper

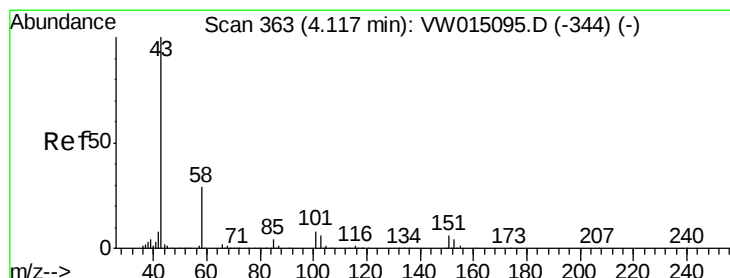
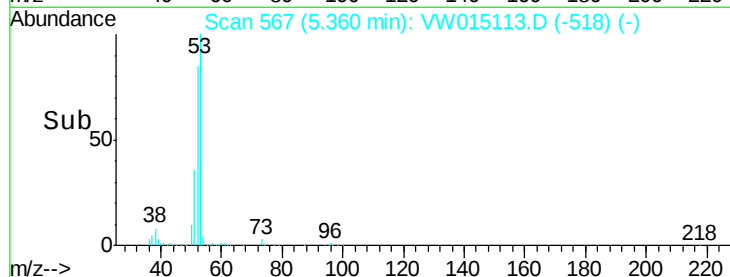
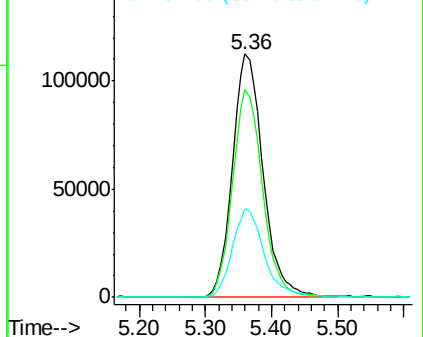
53 100

52 84.0 67.2 100.8

51 37.8 29.8 44.6



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: 287.600 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW015113.D

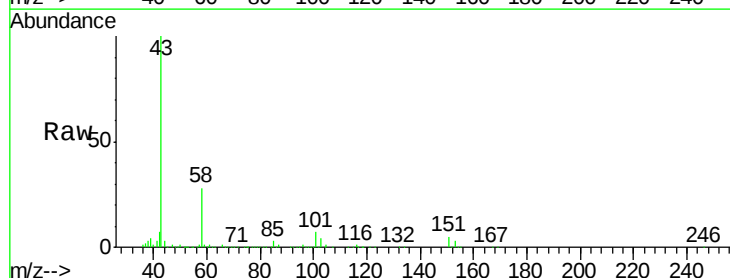
Acq: 10 Mar 2020 15:11

Tgt Ion: 43 Resp: 402933

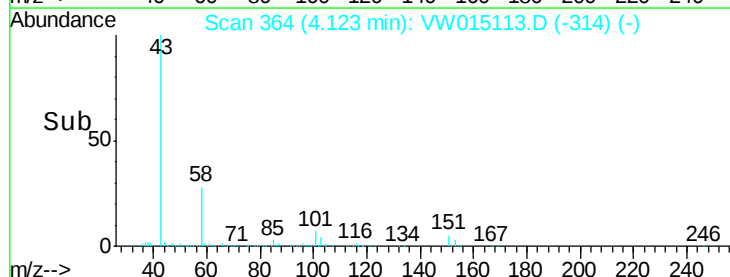
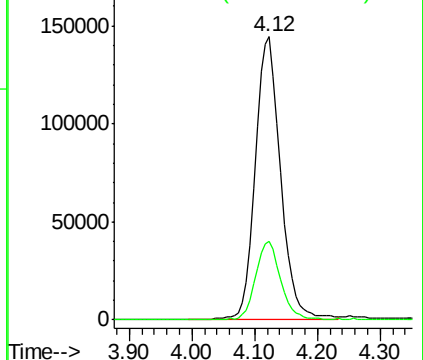
Ion Ratio Lower Upper

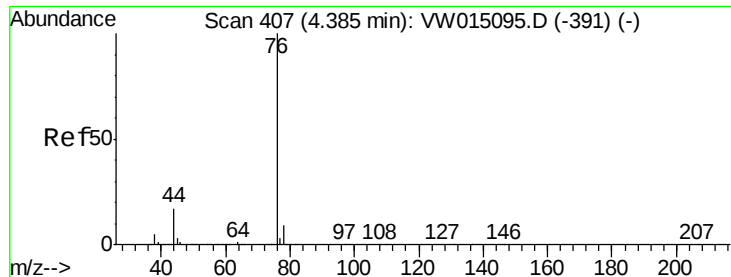
43 100

58 27.9 22.9 34.3



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

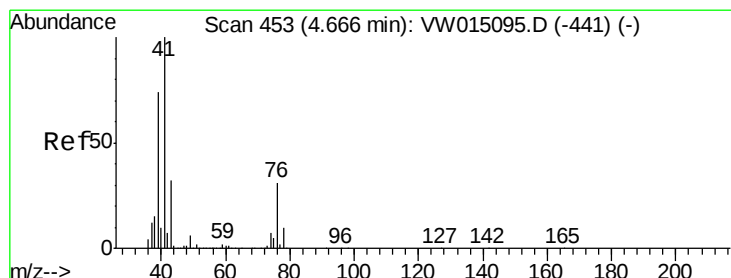
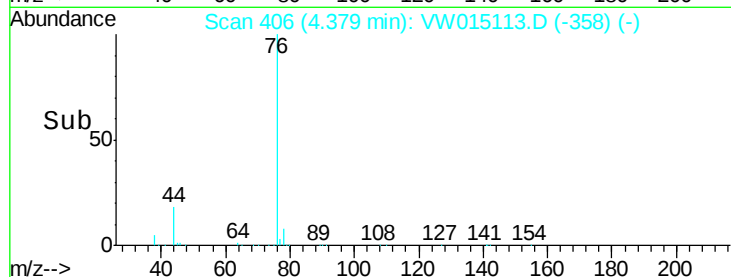
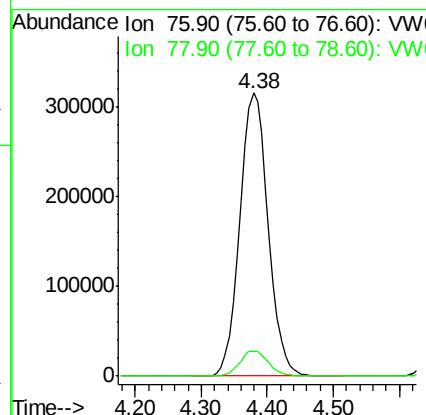
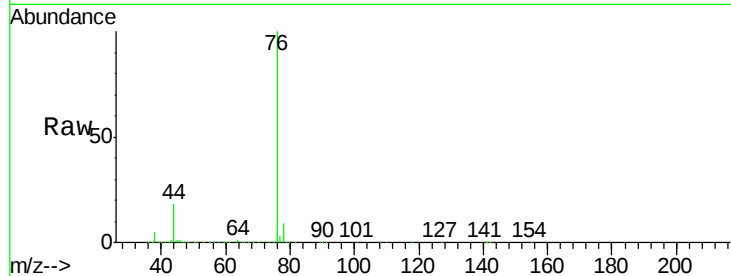




#17
Carbon Disulfide
Concen: 49.745 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

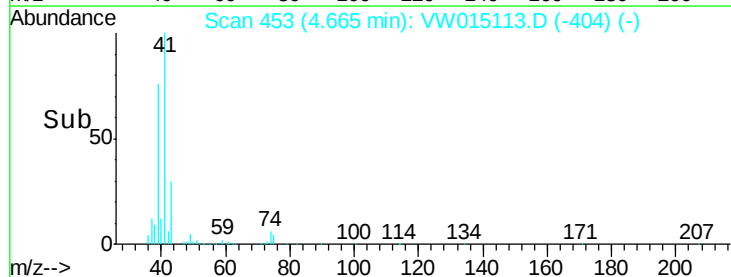
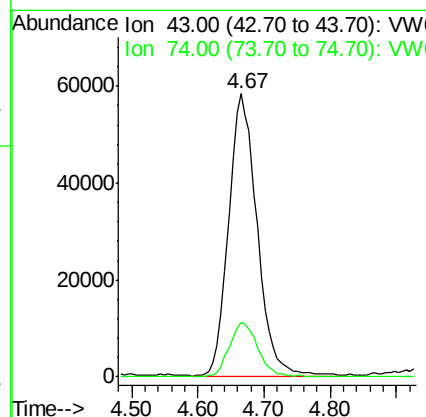
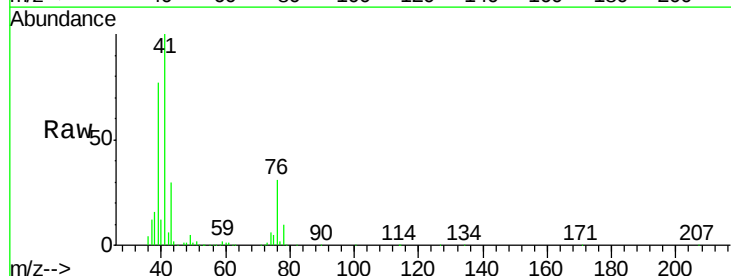
Instrument :
MSVOA_W
ClientSampleId :

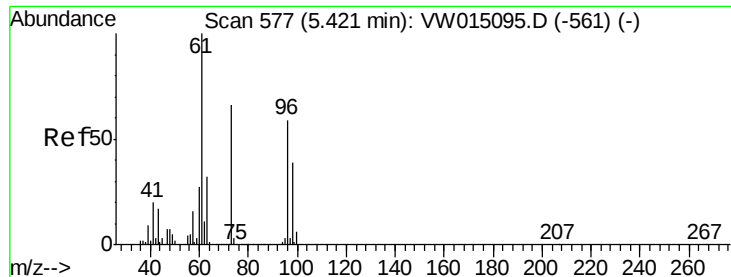
Tot Ion: 76 Resp: 936251
Ion Ratio Lower Upper
76 100
78 8.9 6.9 10.3



#18
Methyl Acetate
Concen: 52.194 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 43 Resp: 173343
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.6

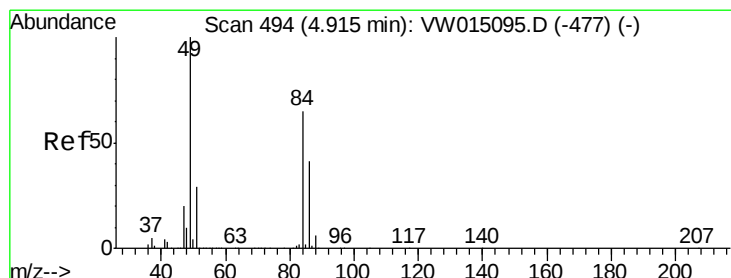
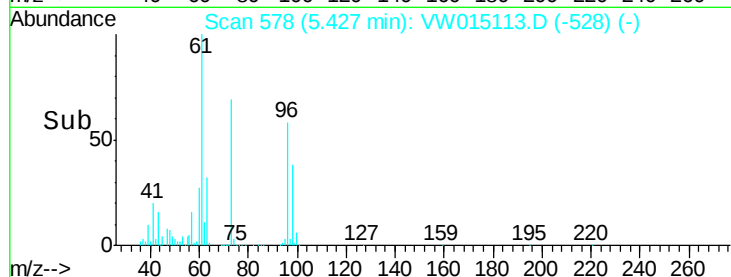
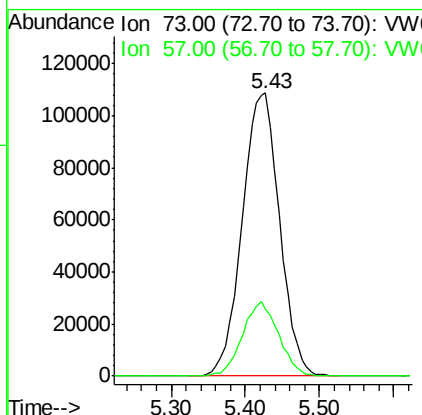
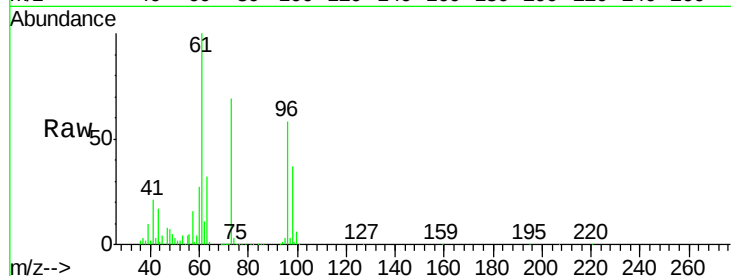




#19
Methvl tert-butvl Ether
Concen: 56.154 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

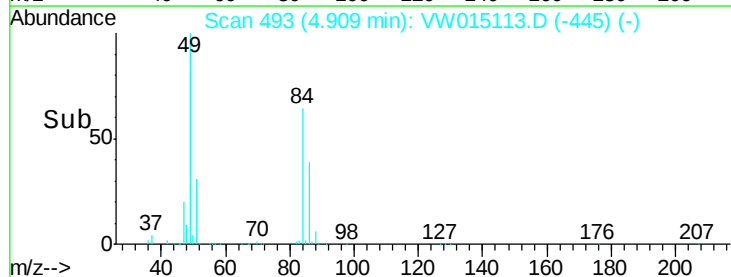
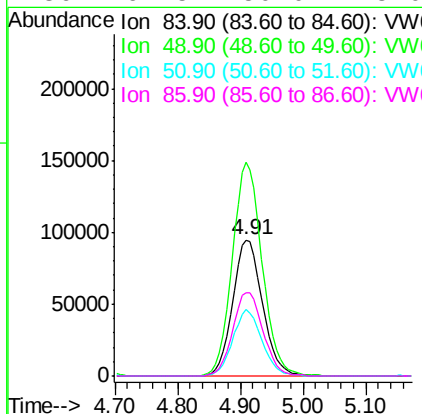
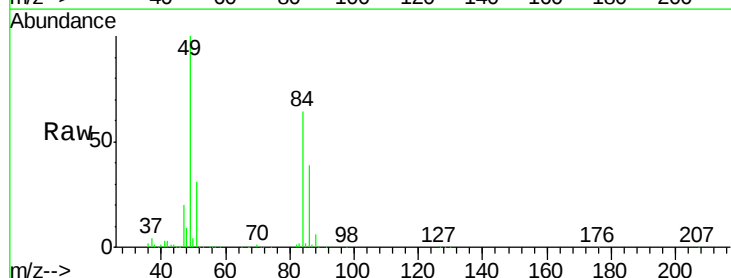
Instrument :
MSVOA_W
ClientSampled :

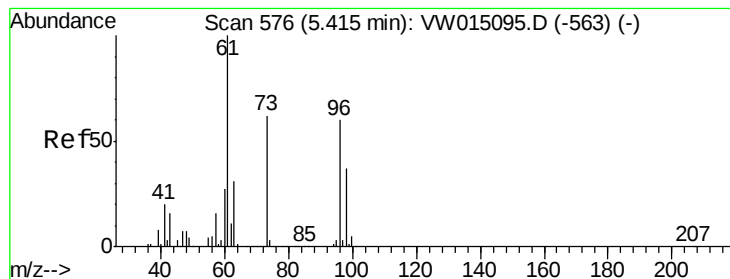
Tot Ion: 73 Resp: 381592
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9



#20
Methylene Chloride
Concen: 54.819 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 84 Resp: 311361
Ion Ratio Lower Upper
84 100
49 157.1 122.8 184.2
51 48.8 35.9 53.9
86 61.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 53.279 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

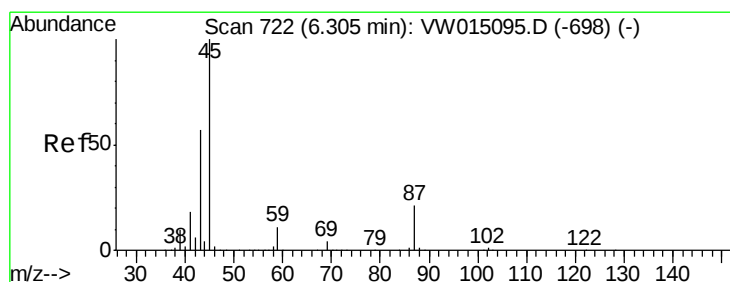
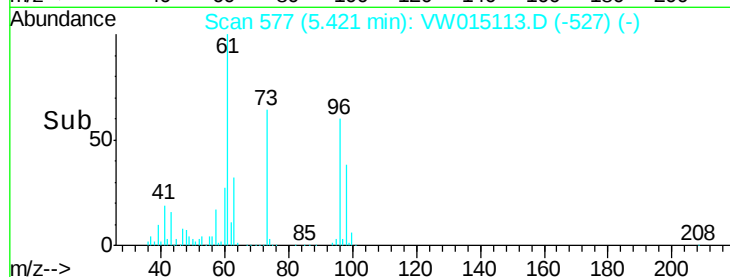
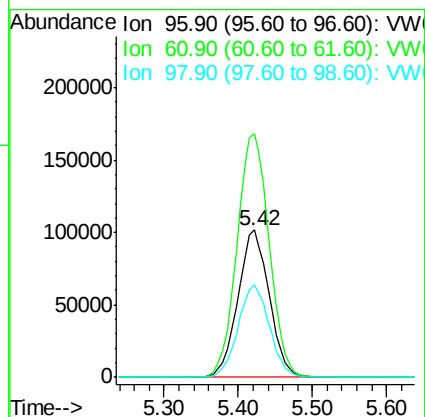
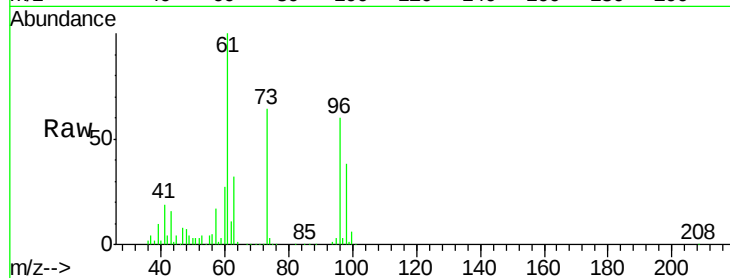
Tot Ion: 96 Resp: 300283

Ion Ratio Lower Upper

96 100

61 165.4 132.5 198.7

98 63.3 48.9 73.3



#22

Diisopropyl ether

Concen: 56.323 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Tgt Ion: 45 Resp: 1149665

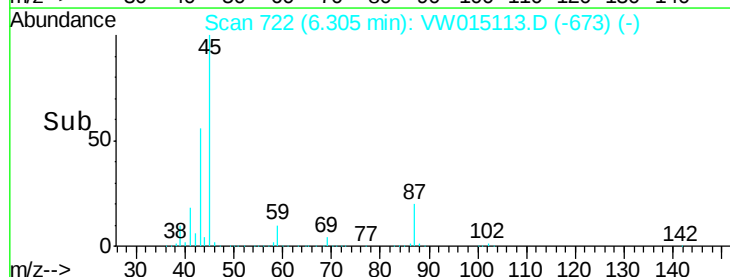
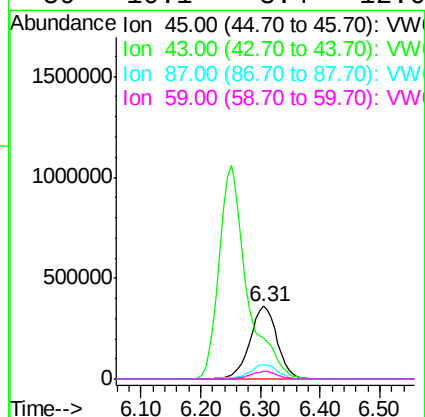
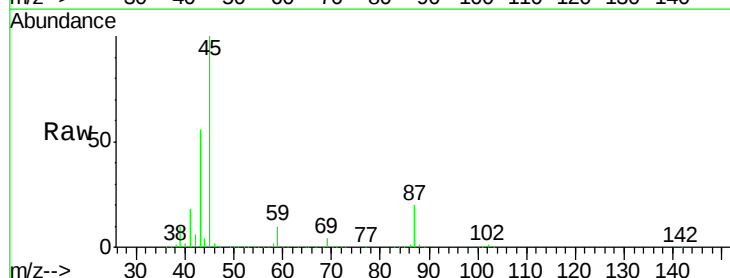
Ion Ratio Lower Upper

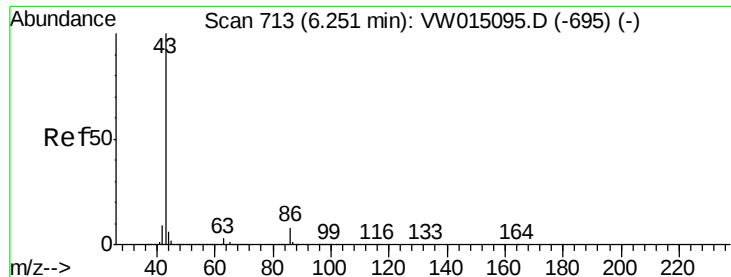
45 100

43 56.0 45.4 68.0

87 19.9 16.4 24.6

59 10.1 8.4 12.6





#23

Vinyl Acetate

Concen: 284.778 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

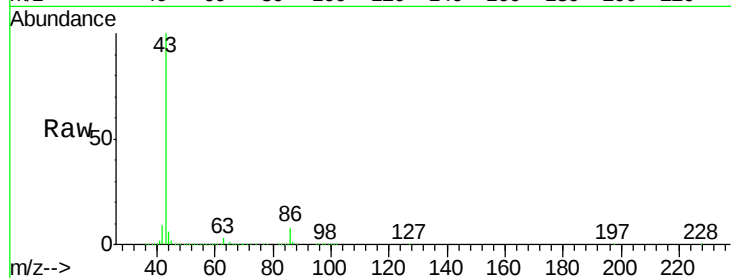
ClientSampleId :

Tot Ion: 43 Resp: 3431462

Ion Ratio Lower Upper

43 100

86 7.8 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

1200000

1000000

800000

600000

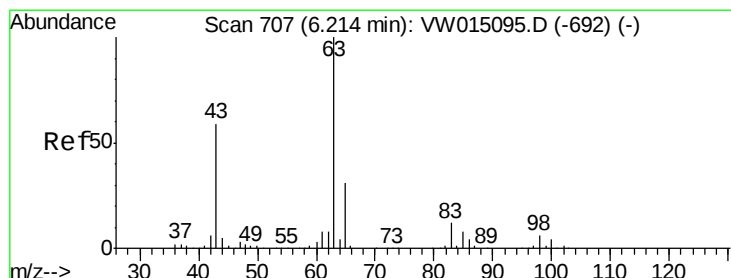
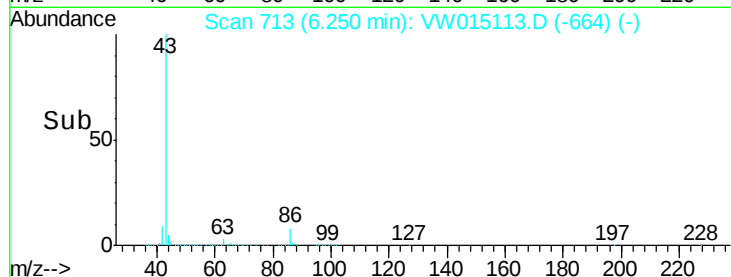
400000

200000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 52.343 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

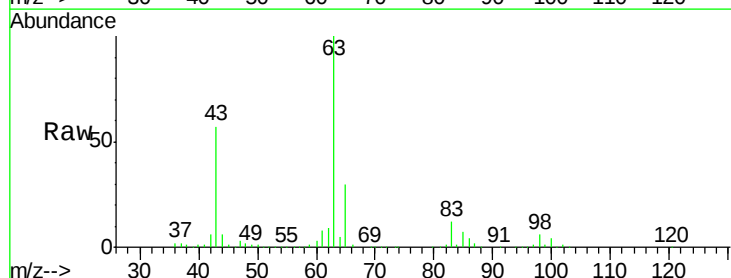
Tgt Ion: 63 Resp: 623057

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

250000

200000

150000

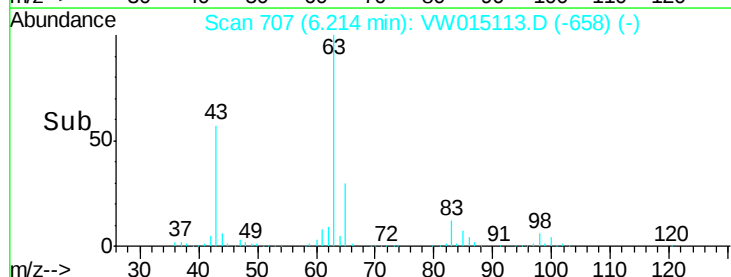
100000

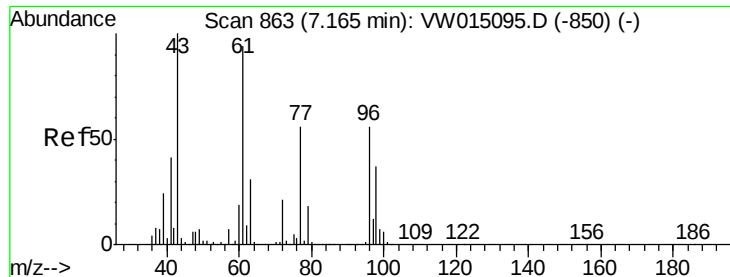
50000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 279.088 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

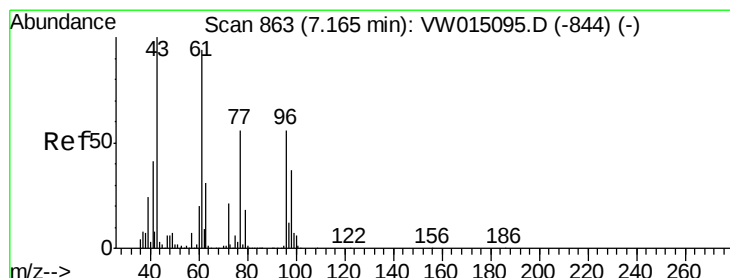
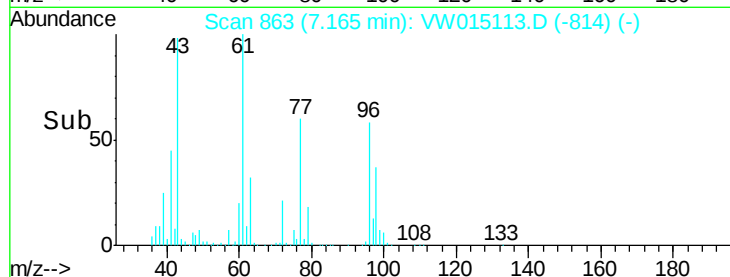
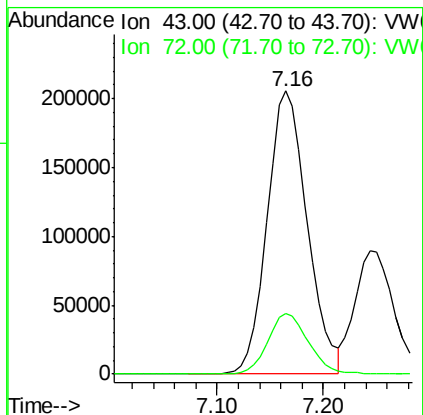
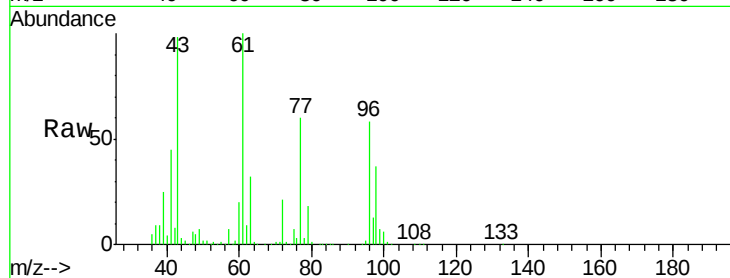
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 536028

Ion Ratio Lower Upper

43 100

72 21.3 17.0 25.6



#26

2,2-Dichloropropane

Concen: 54.075 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015113.D

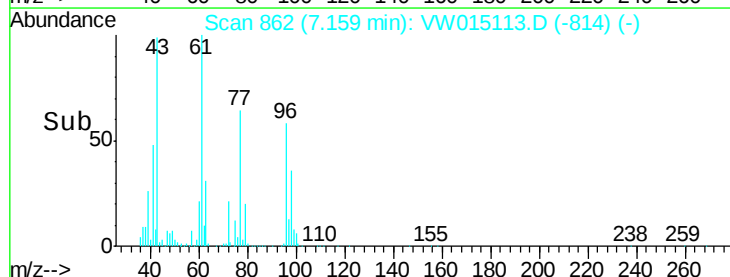
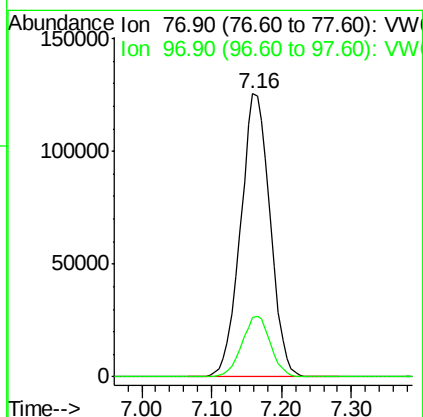
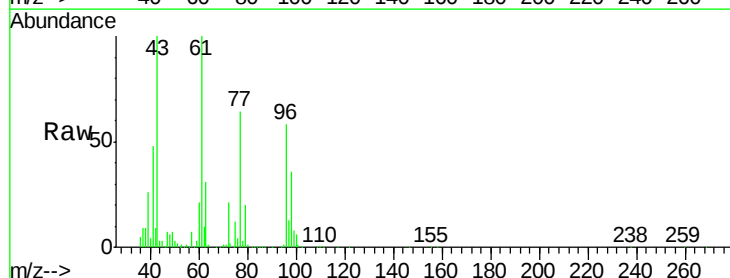
Acq: 10 Mar 2020 15:11

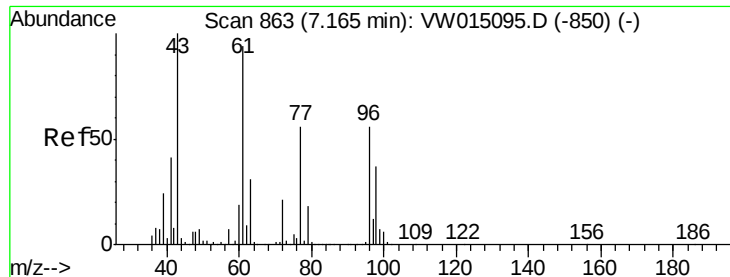
Tgt Ion: 77 Resp: 368139

Ion Ratio Lower Upper

77 100

97 20.6 10.6 31.8



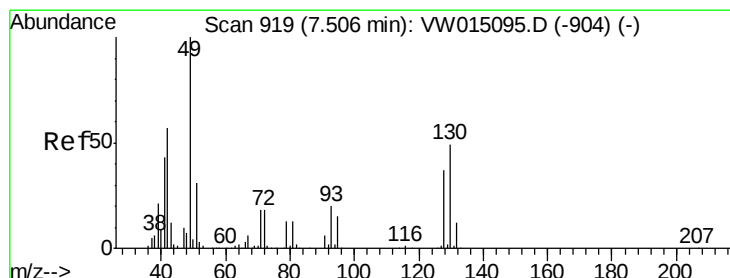
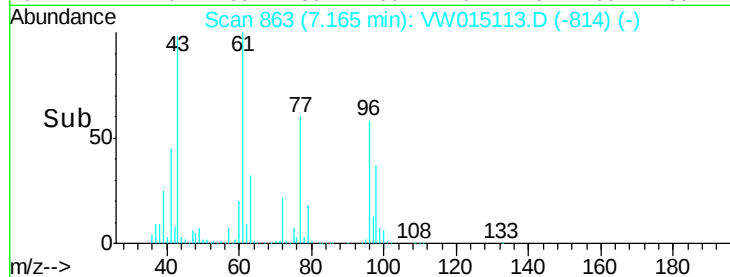
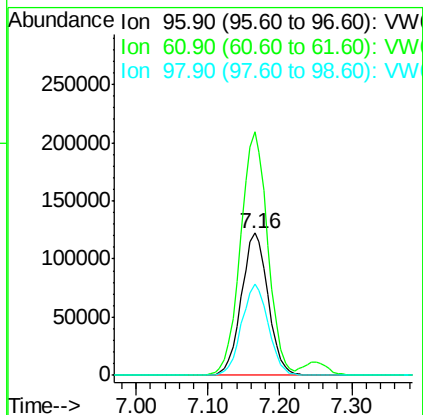
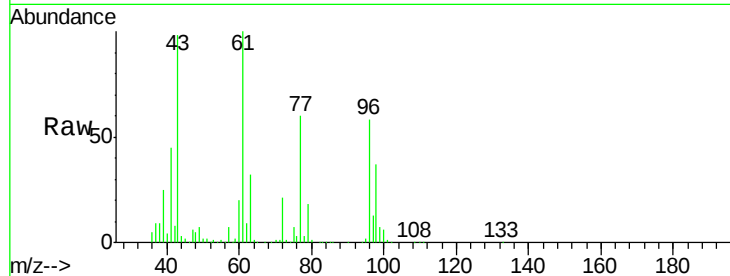


#27

cis-1,2-Dichloroethene
Concen: 53.335 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampled :

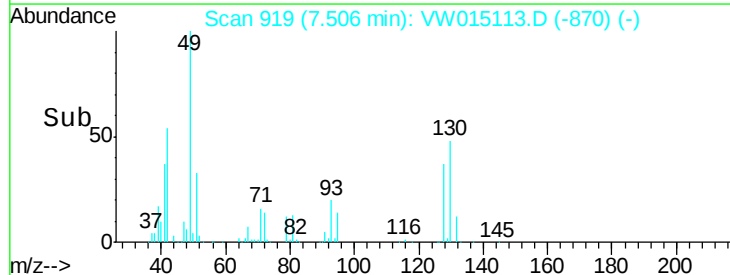
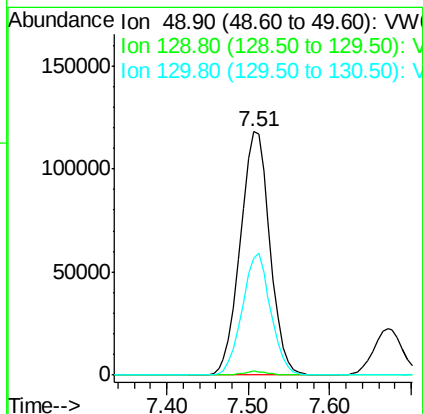
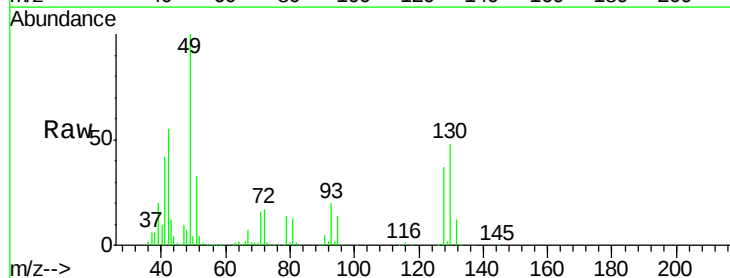
Tot Ion	Ratio	Lower	Upper
96	100		
61	175.2	0.0	343.4
98	64.3	0.0	127.6

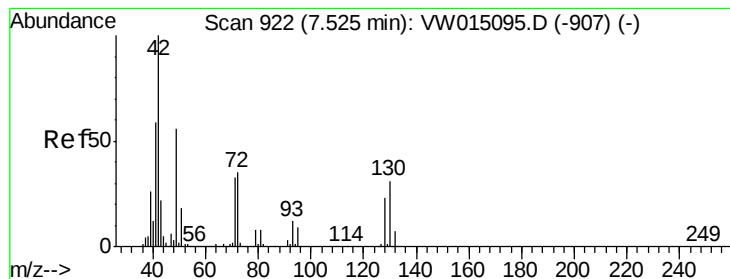


#28

Bromochloromethane
Concen: 52.138 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	47.9	39.8	59.6





#29

Tetrahydrofuran

Concen: 275.184 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :

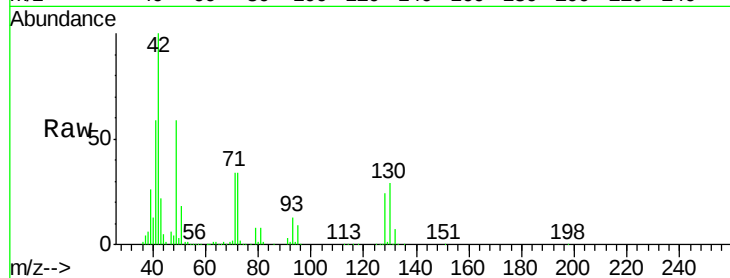
Tot Ion: 42 Resp: 330594

Ion Ratio Lower Upper

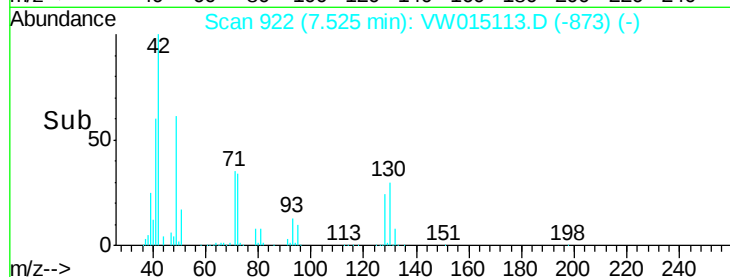
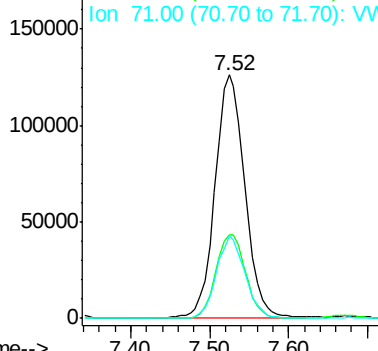
42 100

72 34.4 27.8 41.6

71 32.4 26.4 39.6



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: 51.656 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015113.D

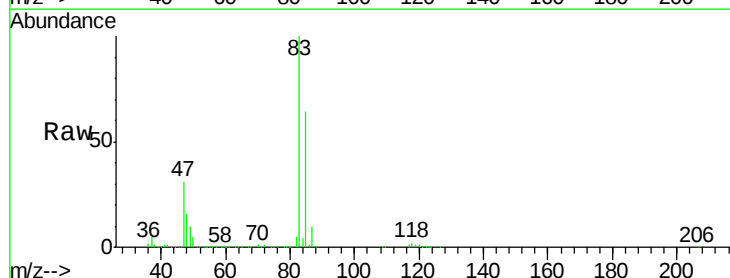
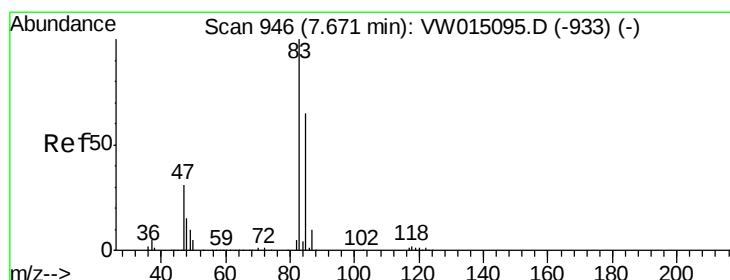
Acq: 10 Mar 2020 15:11

Tgt Ion: 83 Resp: 545655

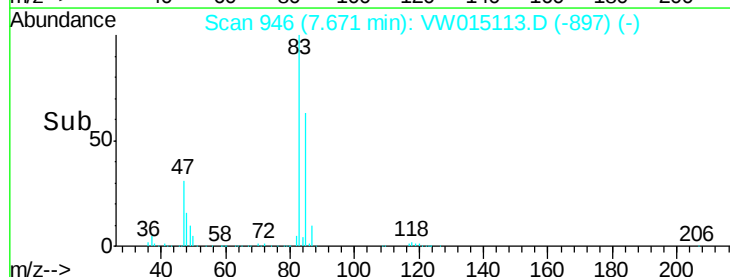
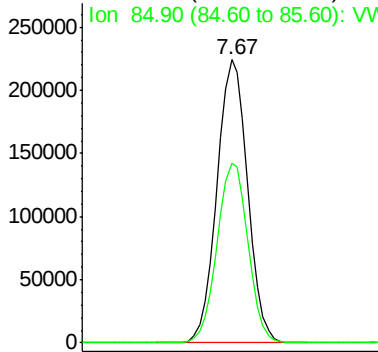
Ion Ratio Lower Upper

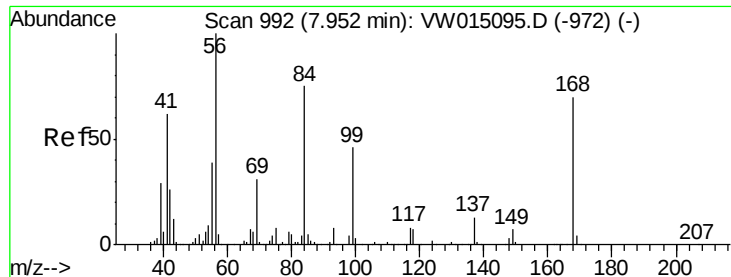
83 100

85 63.6 51.9 77.9



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

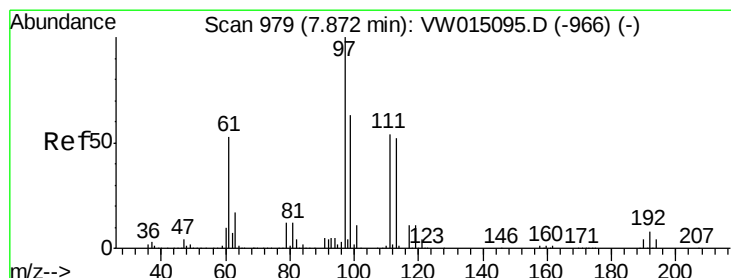
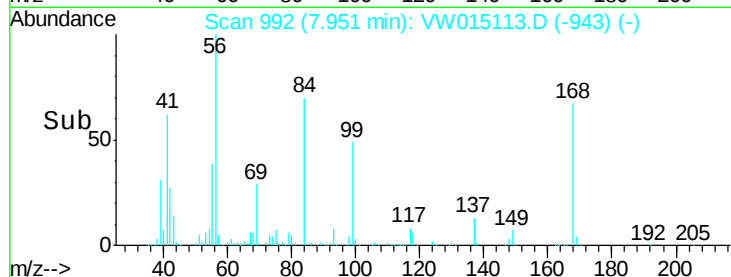
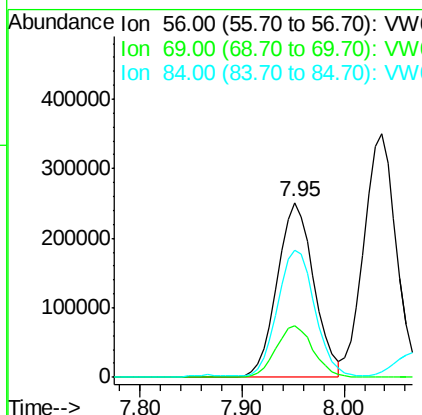
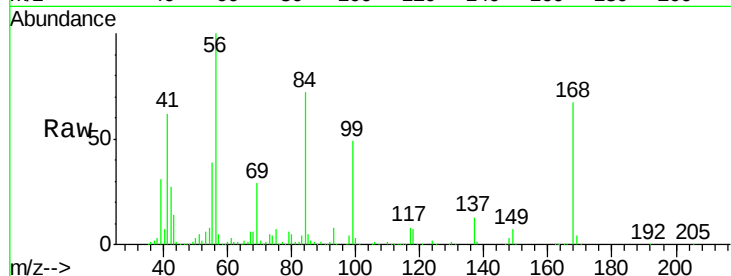




#31
Cyclohexane
Concen: 51.136 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

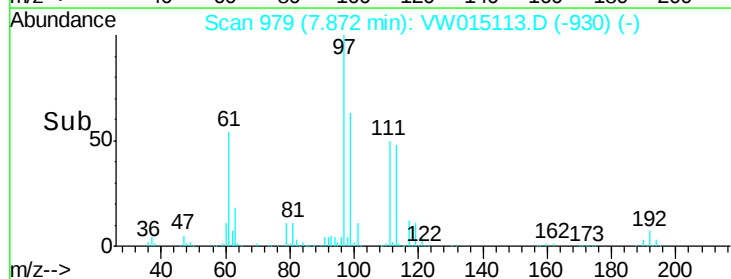
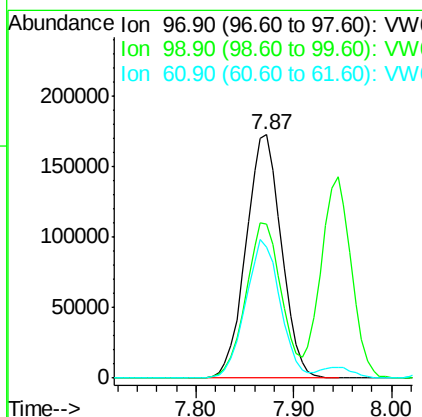
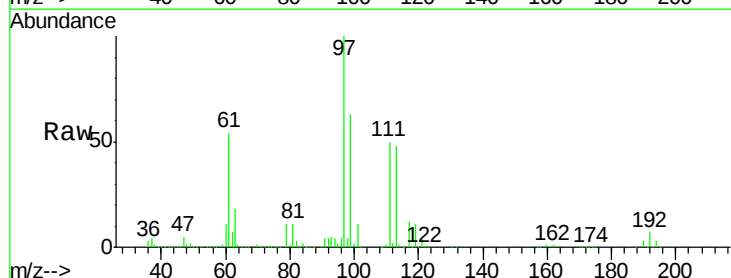
Instrument :
MSVOA_W
ClientSampled :

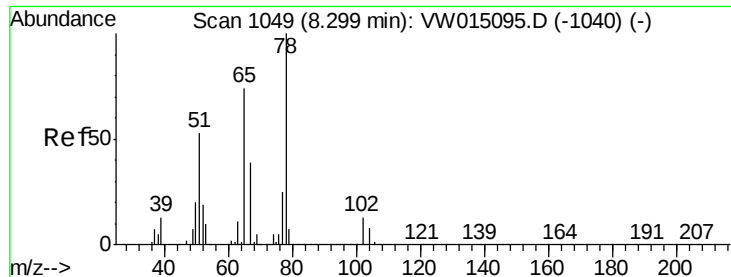
Tot Ion: 56 Resp: 626030
Ion Ratio Lower Upper
56 100
69 29.4 24.6 37.0
84 71.7 59.9 89.9



#32
1,1,1-Trichloroethane
Concen: 52.463 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 97 Resp: 432711
Ion Ratio Lower Upper
97 100
99 64.2 51.3 76.9
61 55.8 44.0 66.0

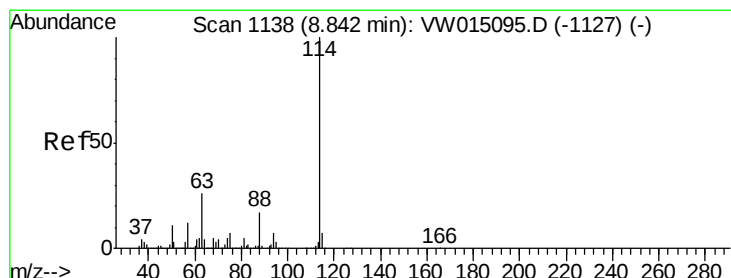
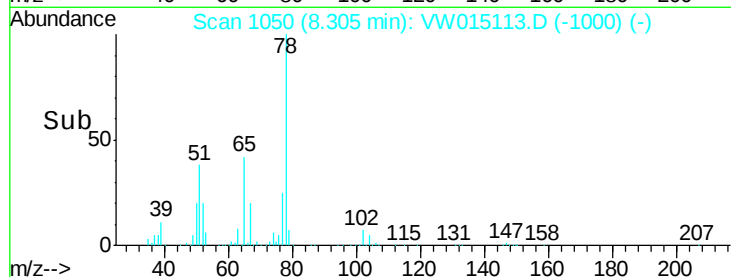
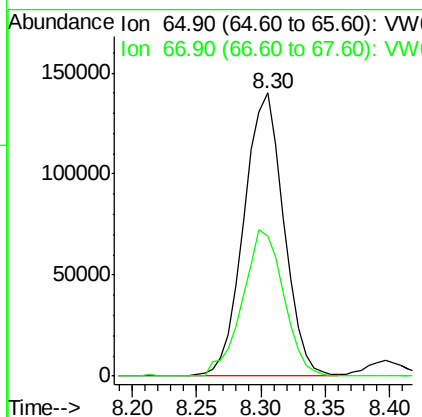
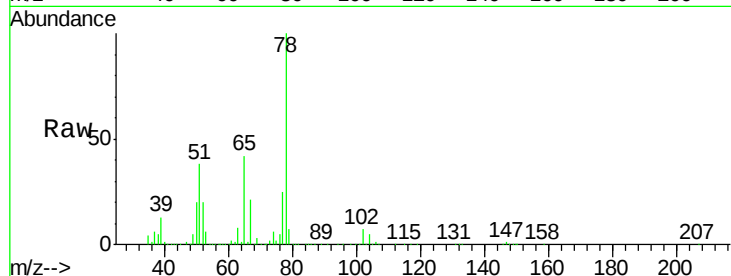




#33
 1,2-Dichloroethane-d4
 Concen: 48.929 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

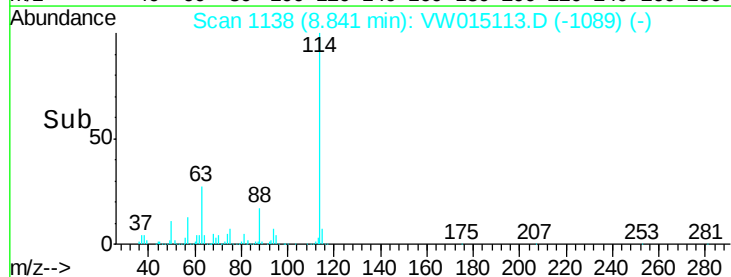
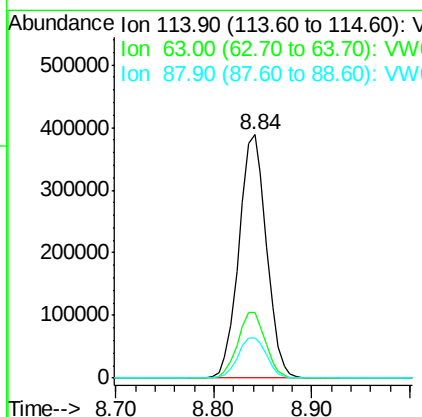
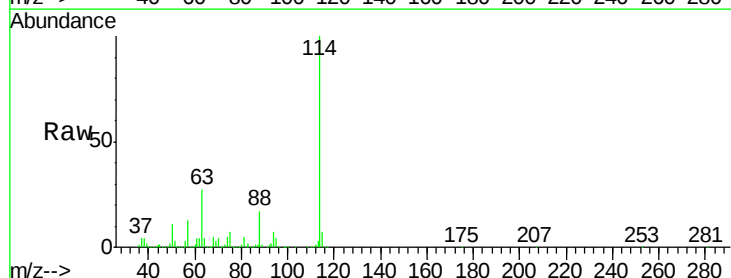
Instrument :
 MSVOA_W
 ClientSampleId :

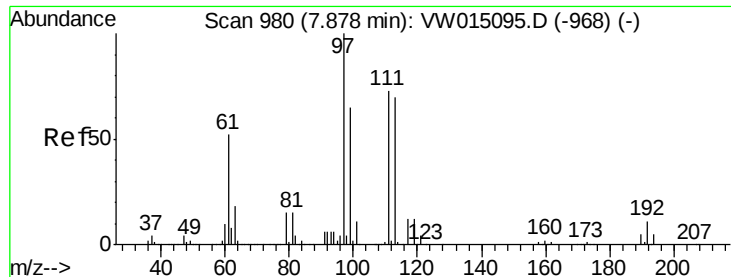
Tot Ion: 65 Resp: 300587
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

Tgt Ion: 114 Resp: 758344
 Ion Ratio Lower Upper
 114 100
 63 27.0 0.0 52.0
 88 16.6 0.0 34.2

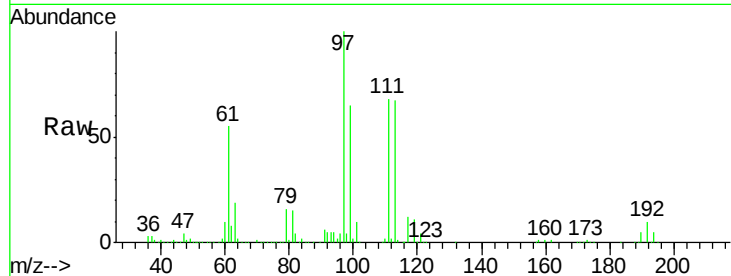




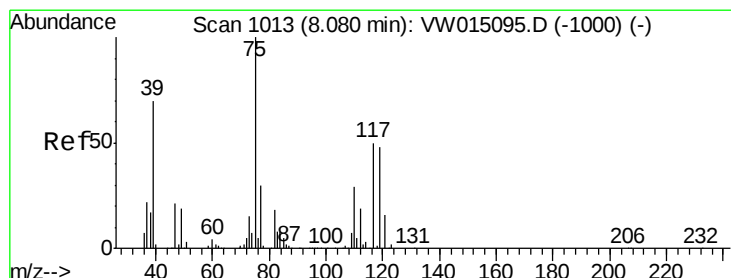
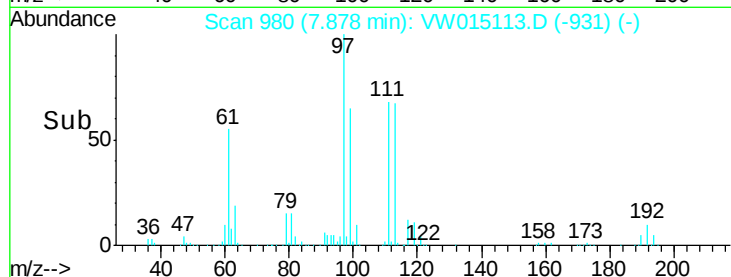
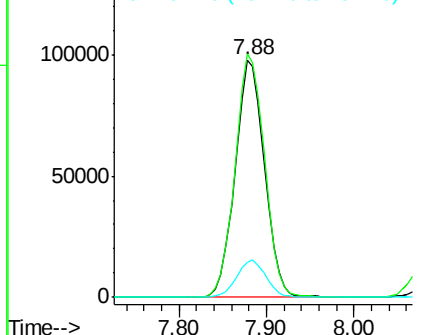
#35
 Dibromofluoromethane
 Concen: 50.231 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 228055
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.6 125.4
 192 15.7 12.4 18.6

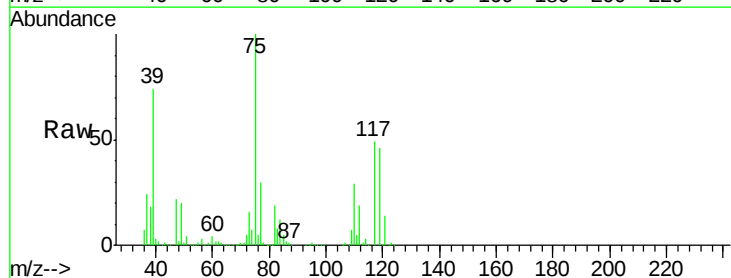


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

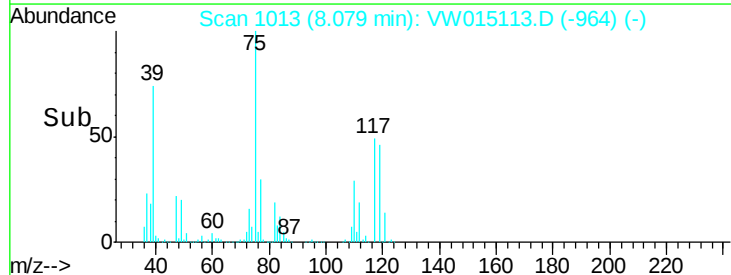
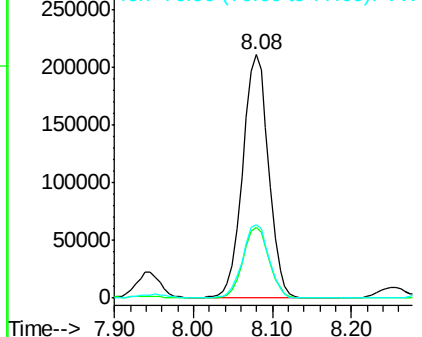


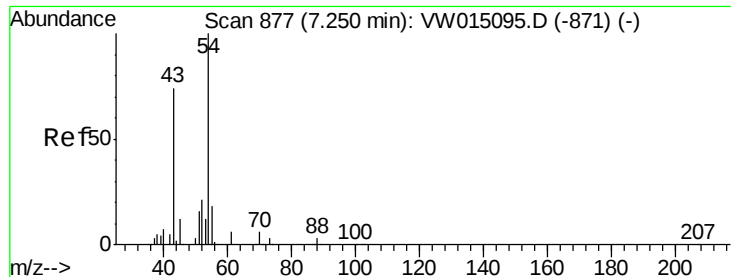
#36
 1,1-Dichloropropene
 Concen: 54.684 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

Tgt Ion: 75 Resp: 480912
 Ion Ratio Lower Upper
 75 100
 110 29.2 14.7 44.1
 77 30.9 24.2 36.4



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

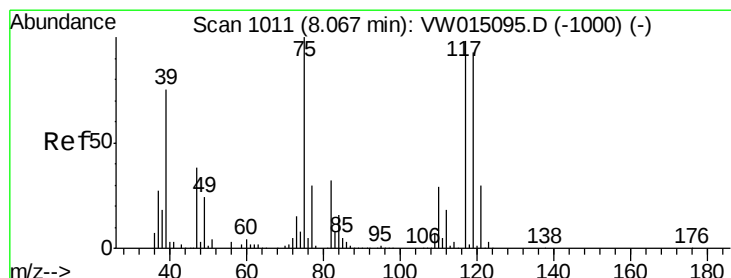
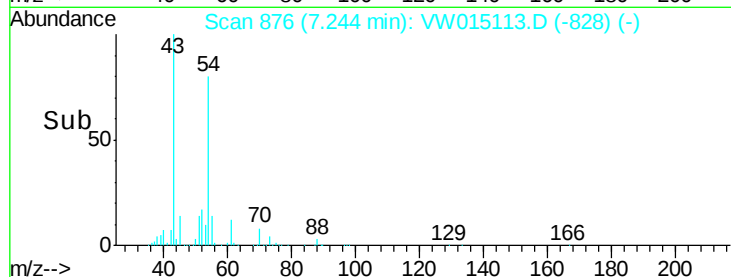
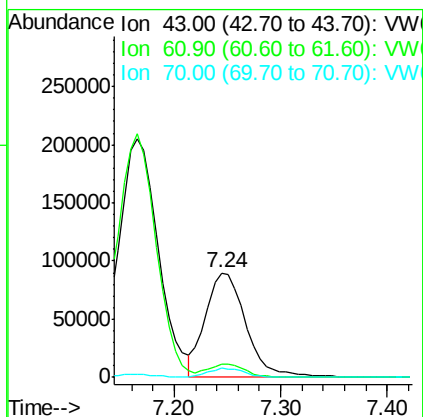
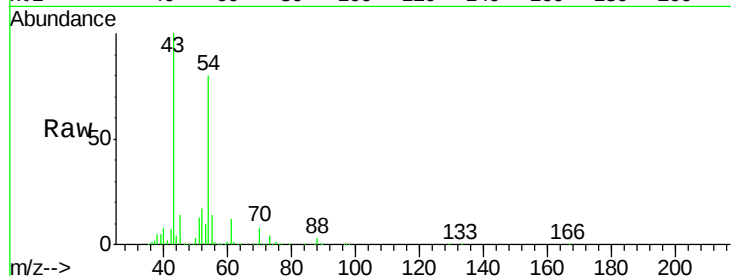




#37
Ethyl Acetate
Concen: 53.015 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

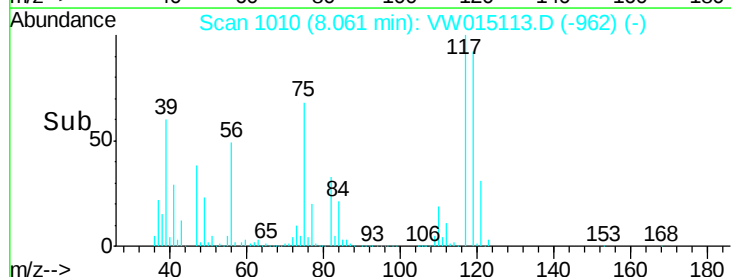
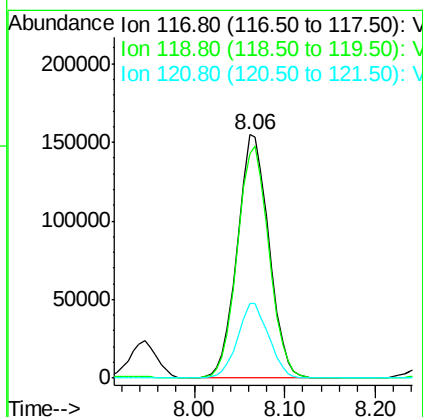
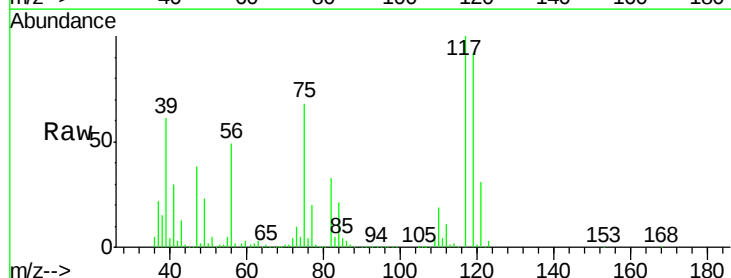
Instrument :
MSVOA_W
ClientSampleId :

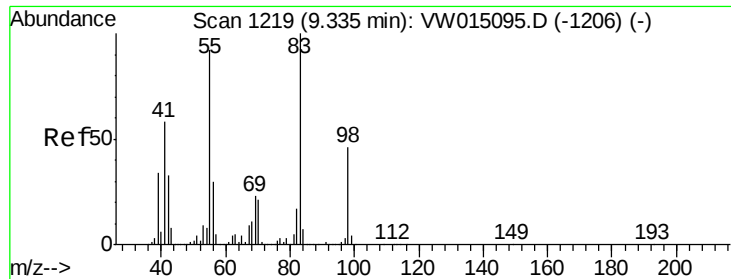
Tot Ion: 43 Resp: 232371
Ion Ratio Lower Upper
43 100
61 11.7 9.6 14.4
70 8.3 6.5 9.7



#38
Carbon Tetrachloride
Concen: 52.476 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 117 Resp: 375681
Ion Ratio Lower Upper
117 100
119 92.2 75.8 113.8
121 30.5 24.5 36.7

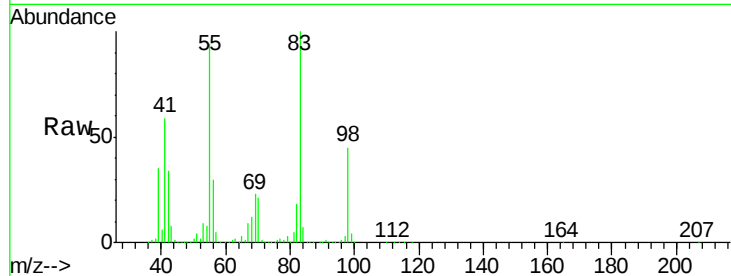




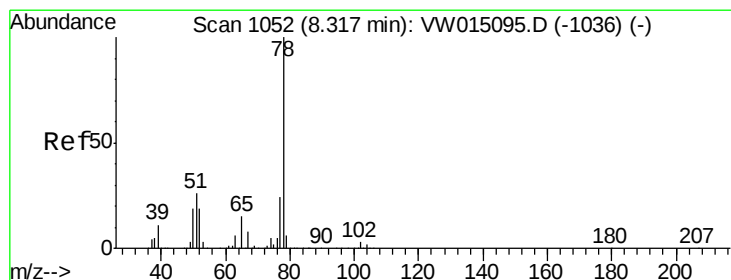
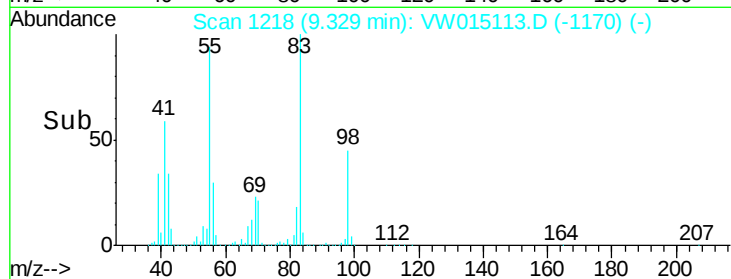
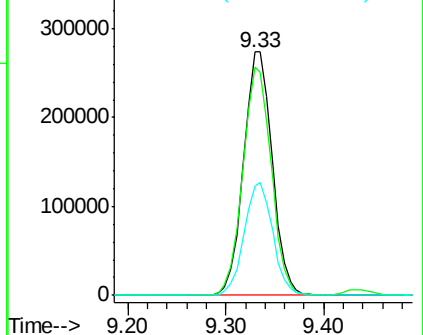
#39
Methvlcvclohexane
Concen: 55.401 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 557093
Ion Ratio Lower Upper
83 100
55 93.5 73.5 110.3
98 45.0 37.2 55.8

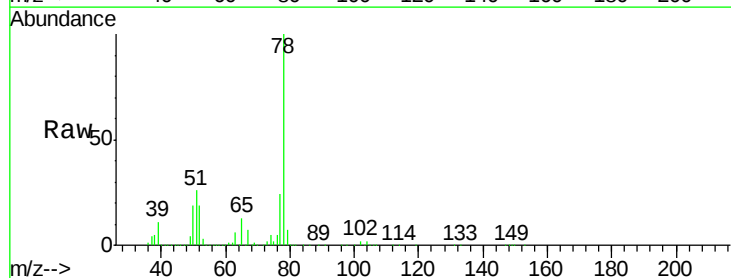


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

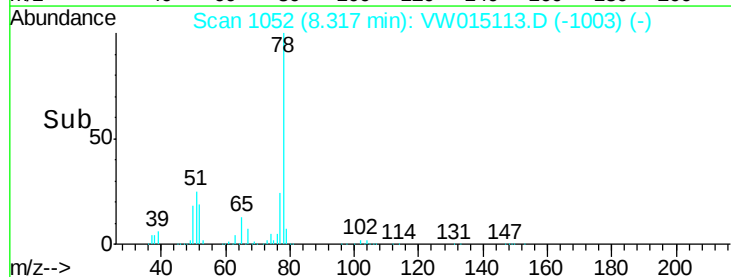
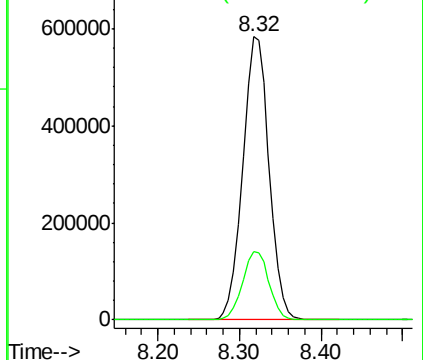


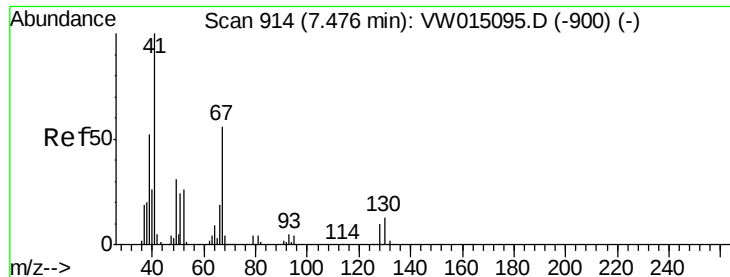
#40
Benzene
Concen: 53.456 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 78 Resp: 1306454
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

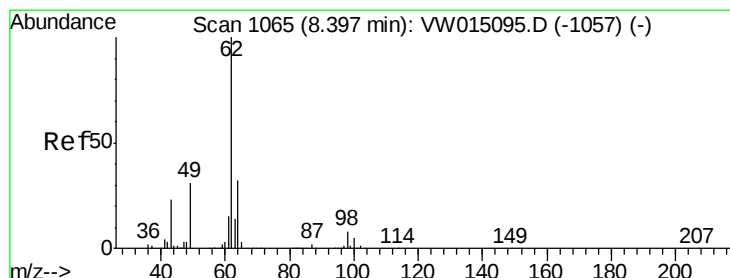
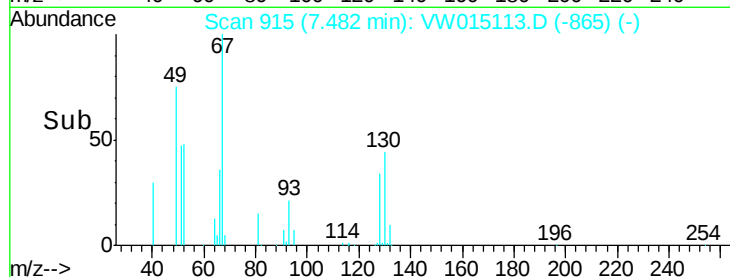
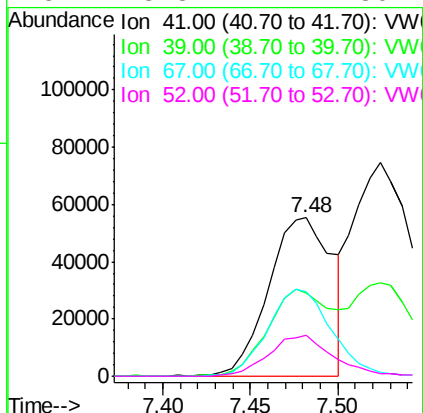
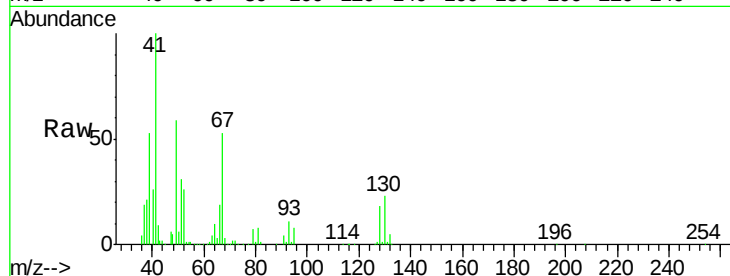




#41
Methacrylonitrile
Concen: 60.093 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

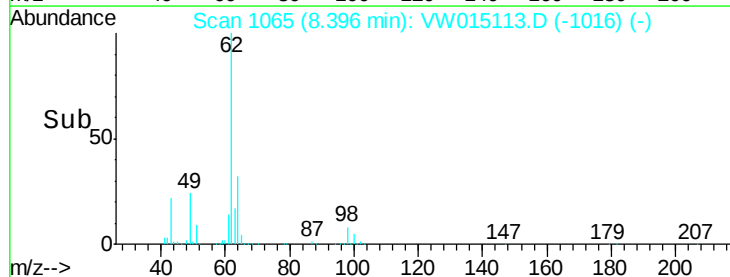
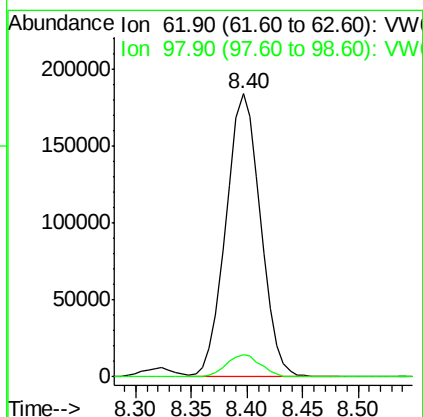
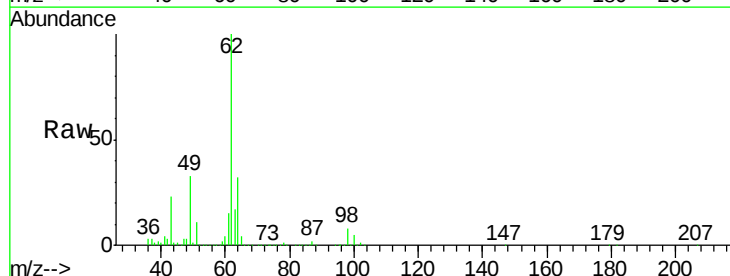
Instrument :
MSVOA_W
ClientSampled :

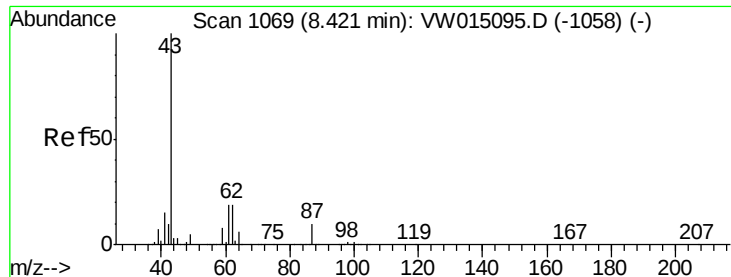
Tot Ion:	41	Resp:	139298
Ion	Ratio	Lower	Upper
41	100		
39	54.9	49.0	73.4
67	56.1	50.4	75.6
52	25.8	24.2	36.4



#42
1,2-Dichloroethane
Concen: 53.175 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion:	62	Resp:	395936
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.0





#43

Isopropyl Acetate

Concen: 54.631 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampled :

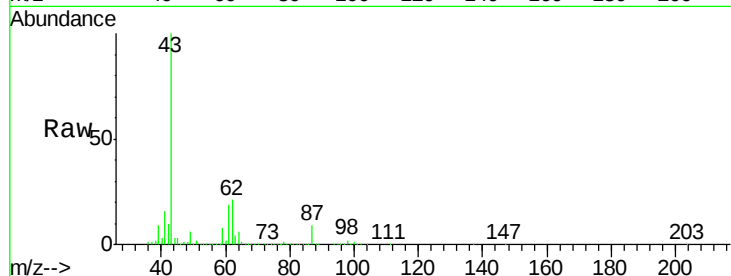
Tot Ion: 43 Resp: 429282

Ion Ratio Lower Upper

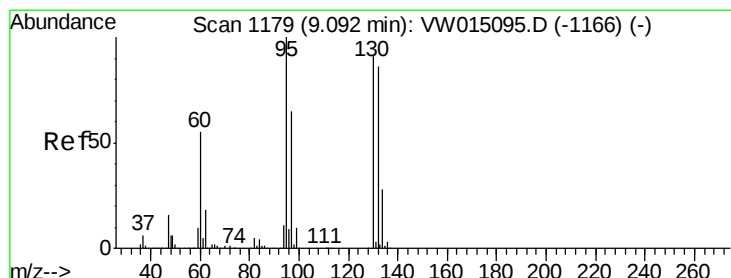
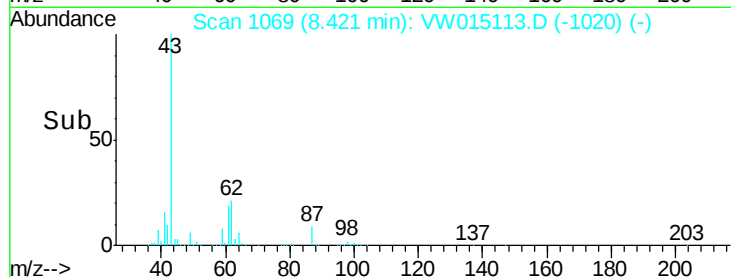
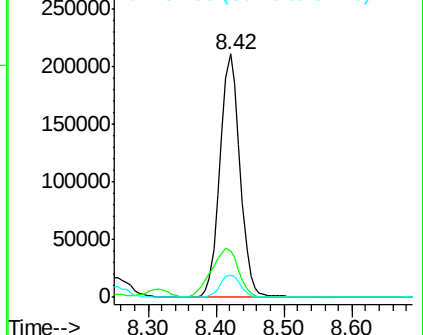
43 100

61 27.3 21.8 32.8

87 9.6 8.0 12.0



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: 52.563 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015113.D

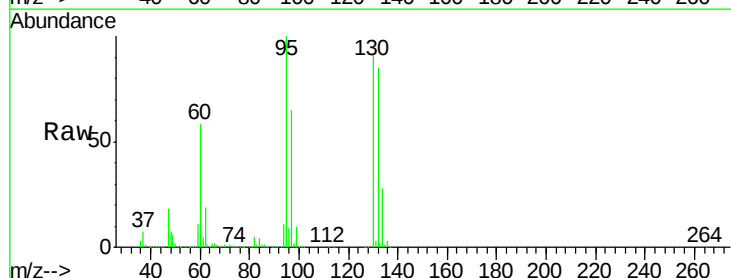
Acq: 10 Mar 2020 15:11

Tgt Ion:130 Resp: 273450

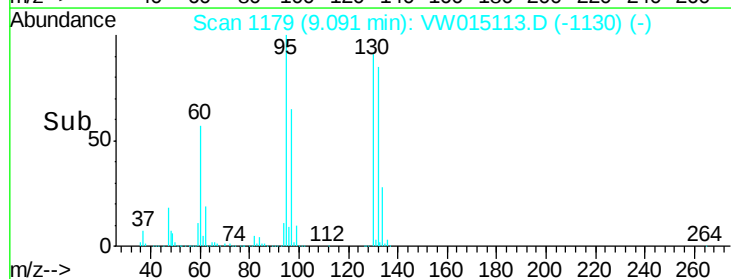
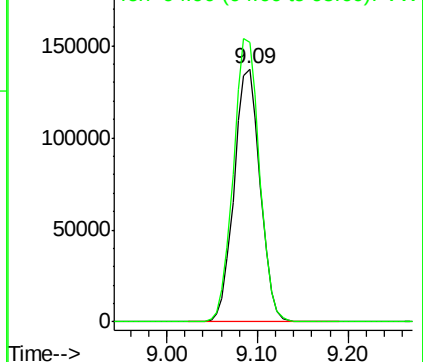
Ion Ratio Lower Upper

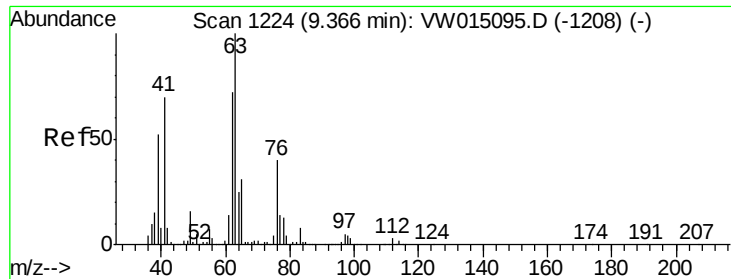
130 100

95 110.4 0.0 219.8



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





#45

1,2-Dichloropropane

Concen: 53.141 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

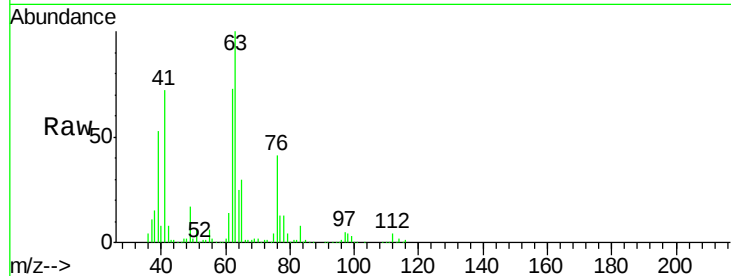
ClientSampleId :

Tot Ion: 63 Resp: 349762

Ion Ratio Lower Upper

63 100

65 30.1 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

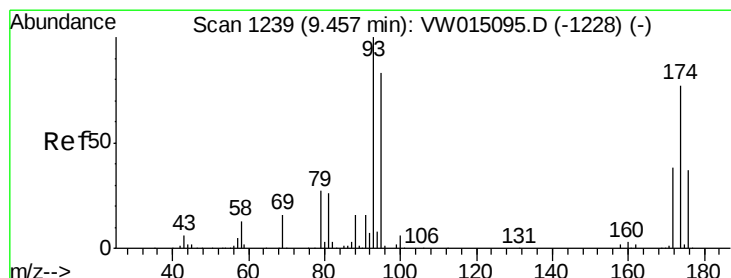
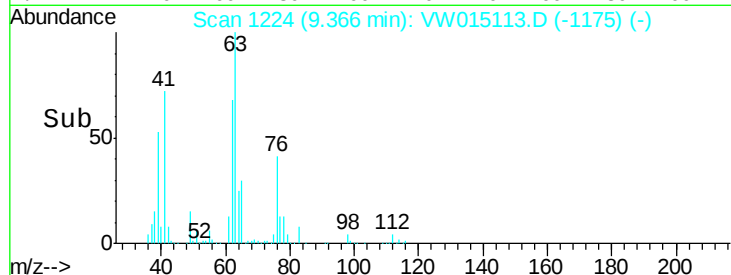
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.389 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

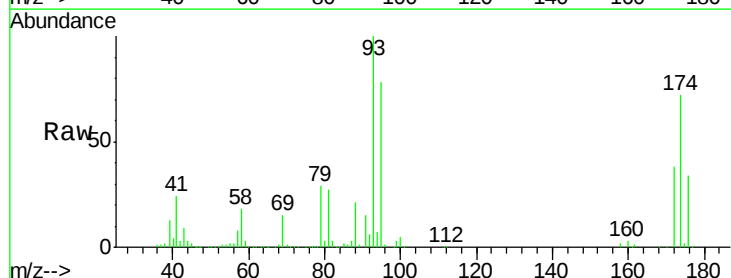
Tgt Ion: 93 Resp: 149931

Ion Ratio Lower Upper

93 100

95 82.3 66.6 100.0

174 73.2 60.6 91.0



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

9.46

100000

80000

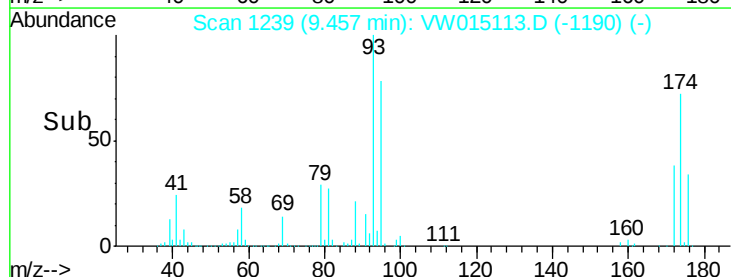
60000

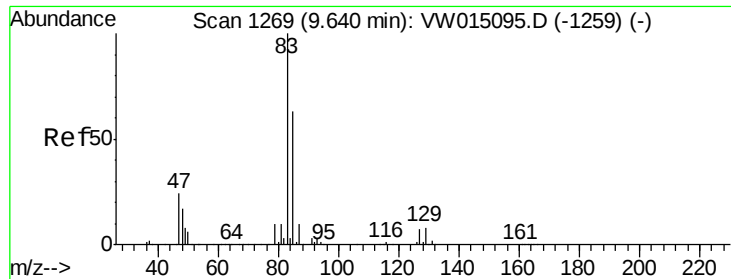
40000

20000

0

Time-->

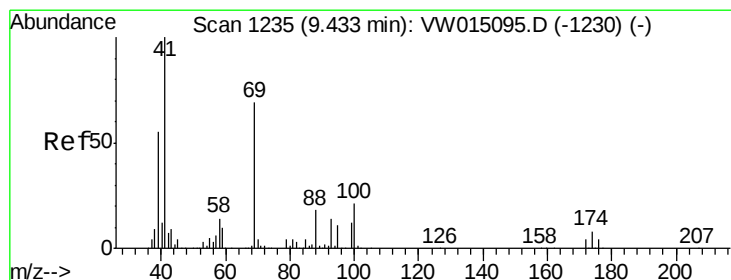
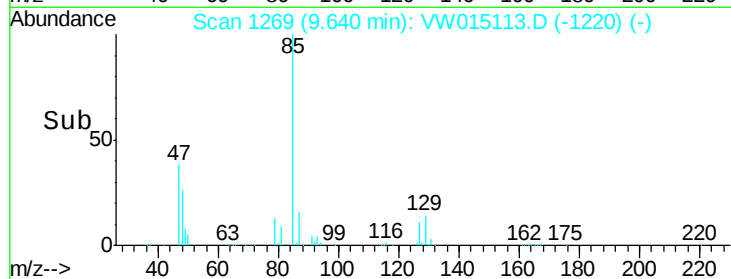
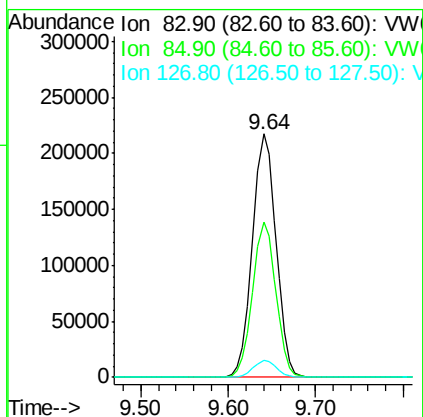
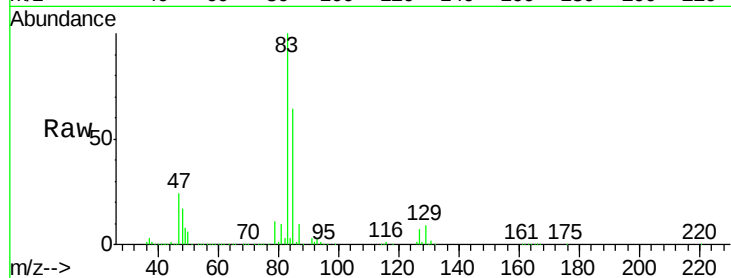




#47
Bromodichloromethane
Concen: 53.381 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

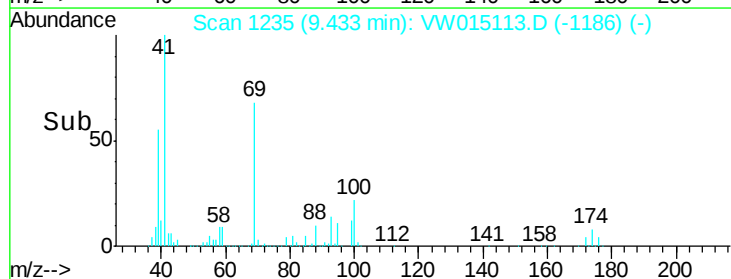
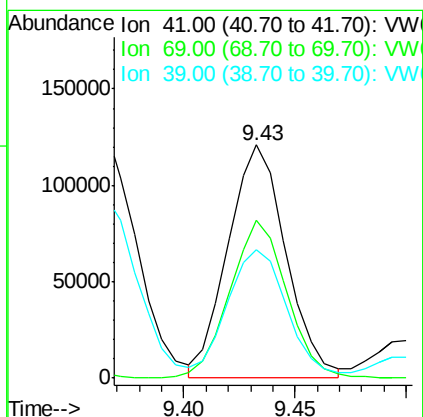
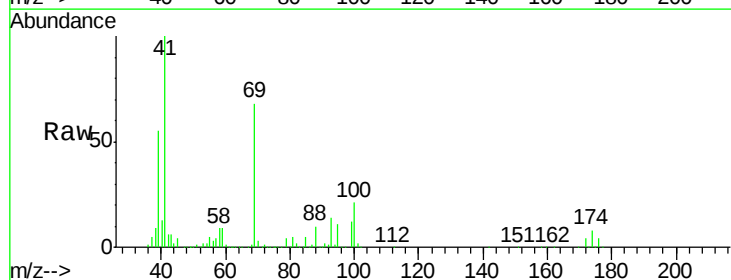
Instrument :
MSVOA_W
ClientSampleId :

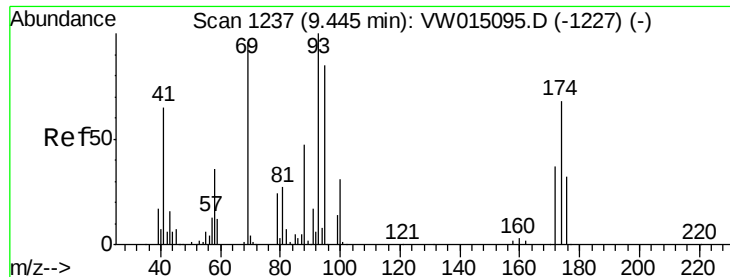
Tot Ion: 83 Resp: 407870
Ion Ratio Lower Upper
83 100
85 63.8 50.7 76.1
127 7.2 5.5 8.3



#48
Methyl methacrylate
Concen: 53.750 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 41 Resp: 217453
Ion Ratio Lower Upper
41 100
69 67.3 58.7 88.1
39 51.9 45.1 67.7





#49

1,4-Dioxane

Concen: 1038.074 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampled :

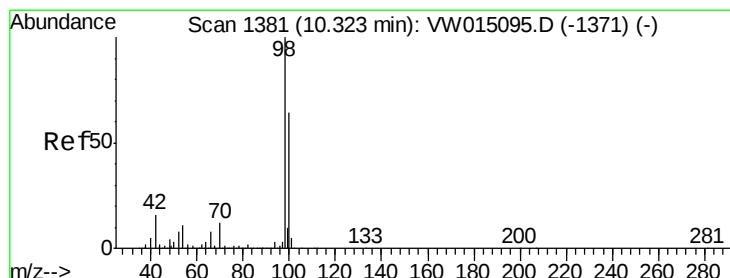
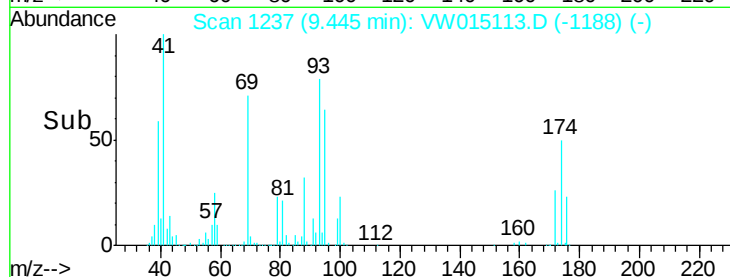
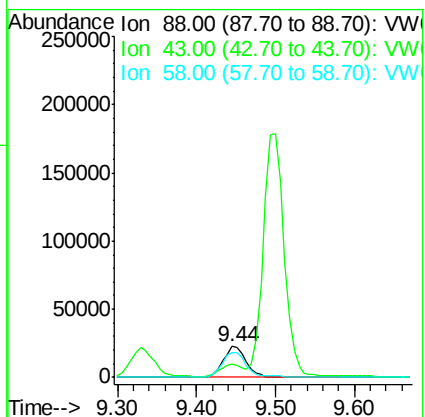
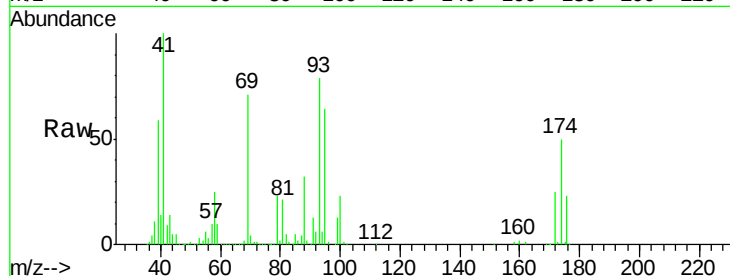
Tot Ion: 88 Resp: 45485

Ion Ratio Lower Upper

88 100

43 42.4 35.8 53.8

58 88.7 64.0 96.0



#50

Toluene-d8

Concen: 51.576 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015113.D

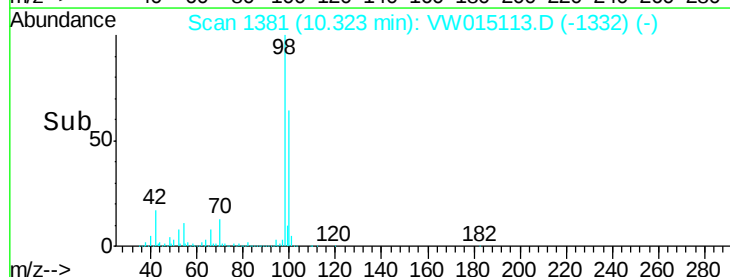
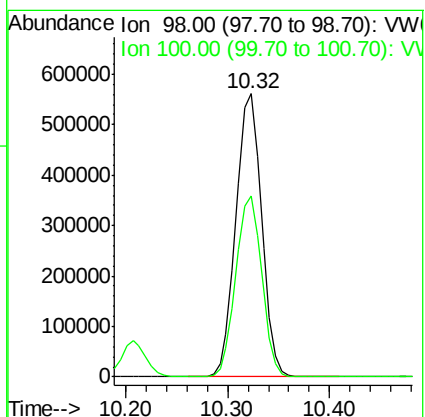
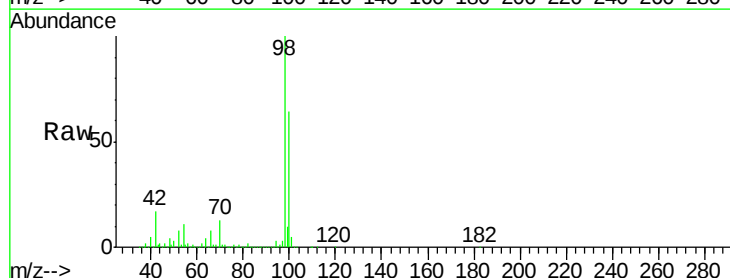
Acq: 10 Mar 2020 15:11

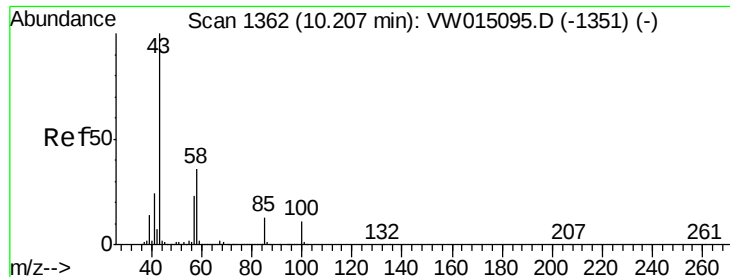
Tgt Ion: 98 Resp: 980600

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2

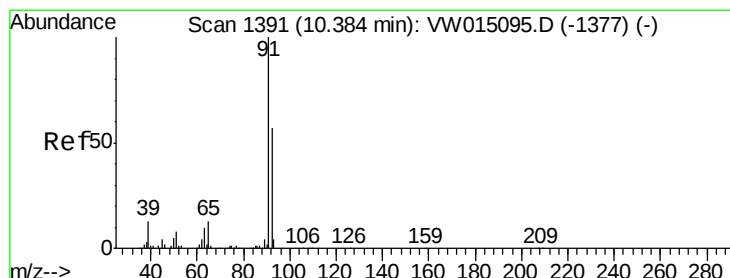
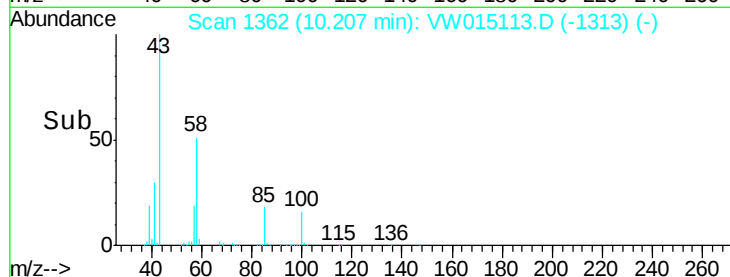
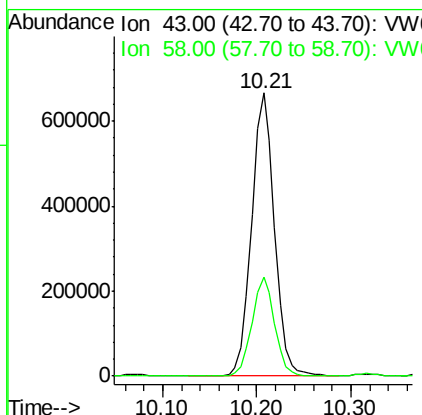
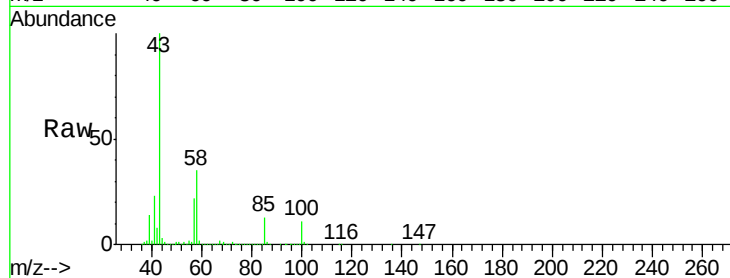




#51
 4-Methyl-2-Pentanone
 Concen: 262.028 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

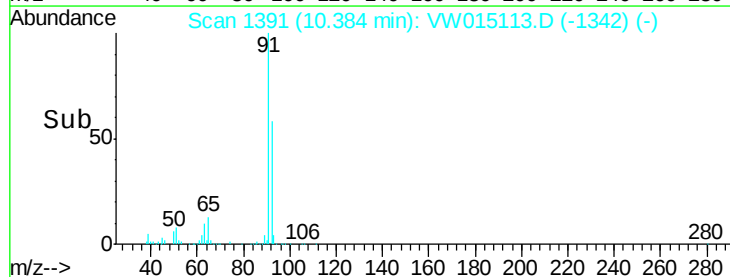
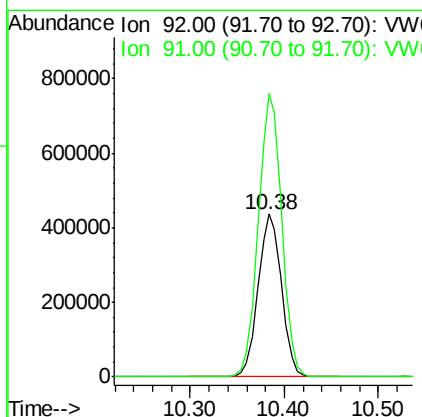
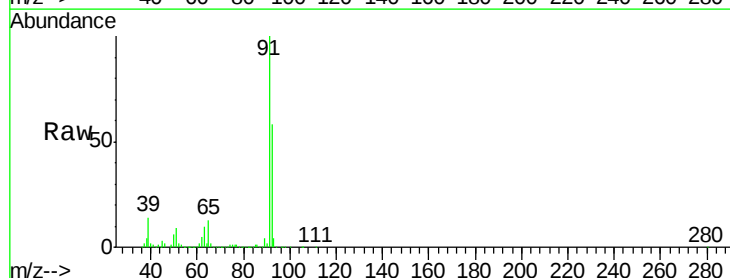
Instrument :
 MSVOA_W
 ClientSampled :

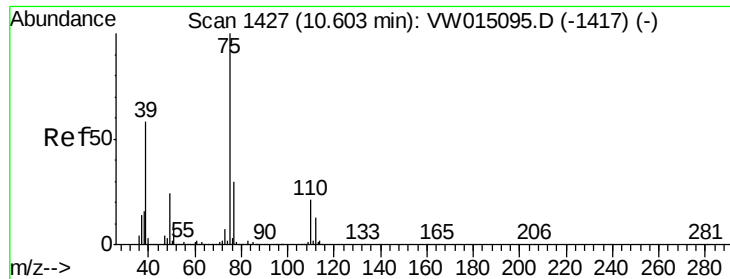
Tot Ion: 43 Resp: 1137266
 Ion Ratio Lower Upper
 43 100
 58 34.7 28.0 42.0



#52
 Toluene
 Concen: 54.402 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

Tgt Ion: 92 Resp: 763795
 Ion Ratio Lower Upper
 92 100
 91 174.0 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 54.948 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

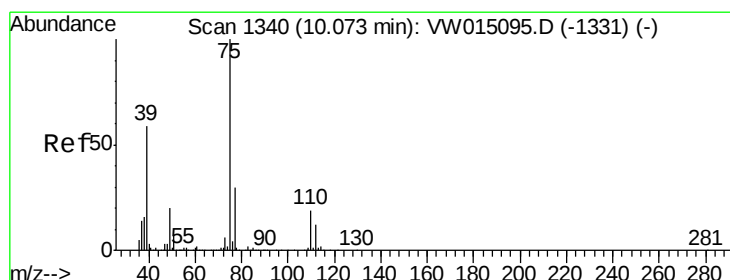
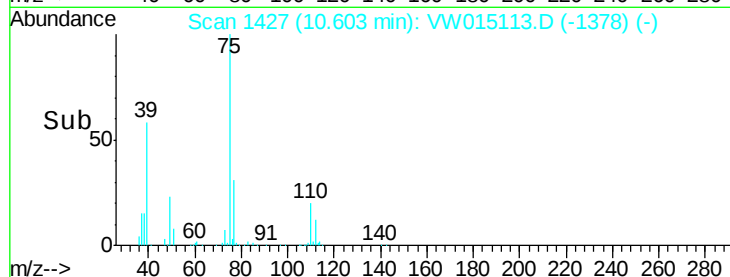
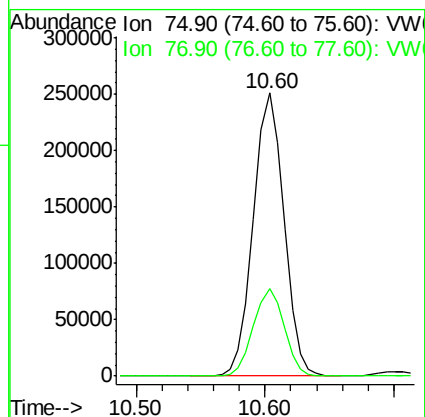
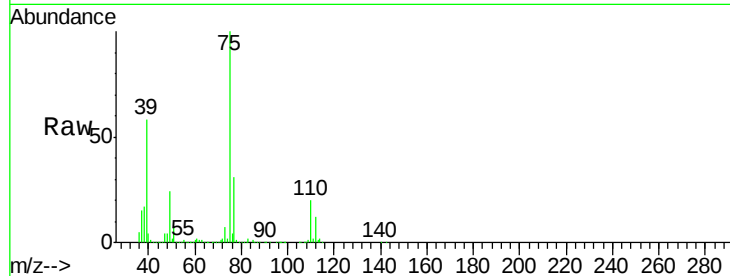
ClientSampled :

Tot Ion: 75 Resp: 413039

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 54.047 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

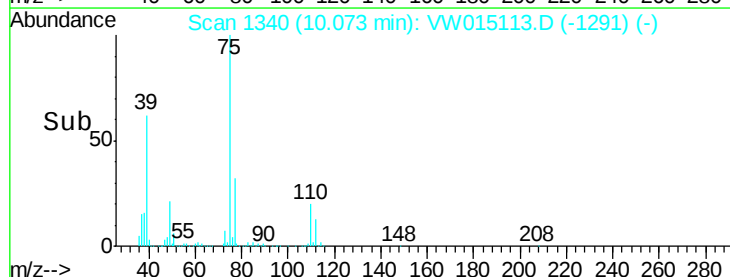
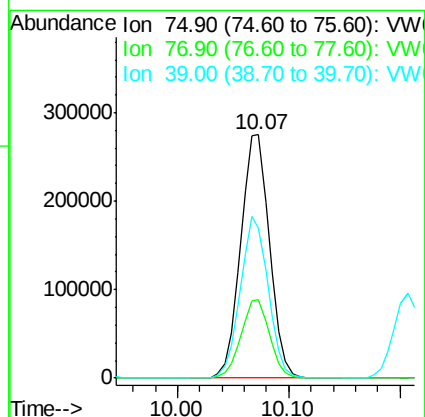
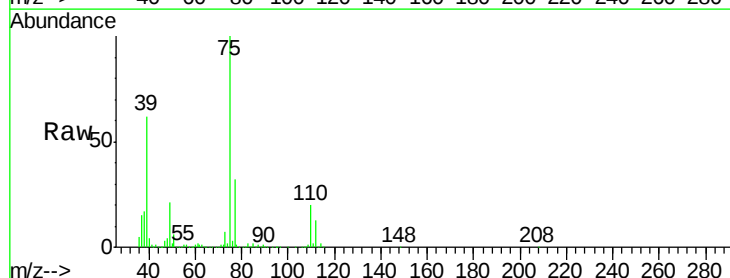
Tgt Ion: 75 Resp: 494907

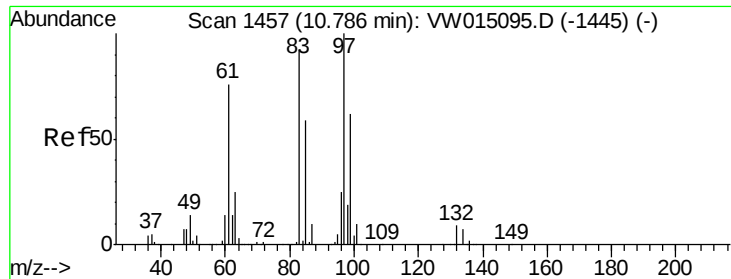
Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5

39 61.8 47.0 70.6





#55

1,1,2-Trichloroethane

Concen: 51.957 ug/l

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 203748

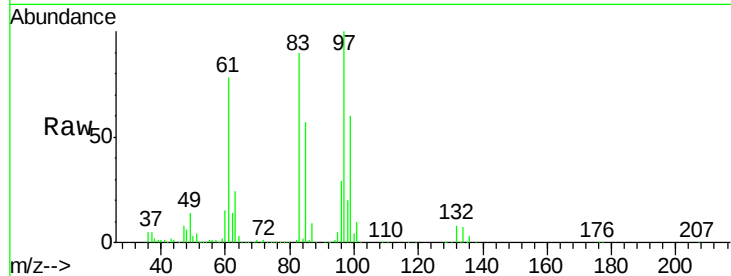
Ion	Ratio	Lower	Upper
97	100		
83	89.9	74.0	111.0
85	56.8	46.9	70.3
99	59.6	49.8	74.8

97 100

83 89.9 74.0 111.0

85 56.8 46.9 70.3

99 59.6 49.8 74.8

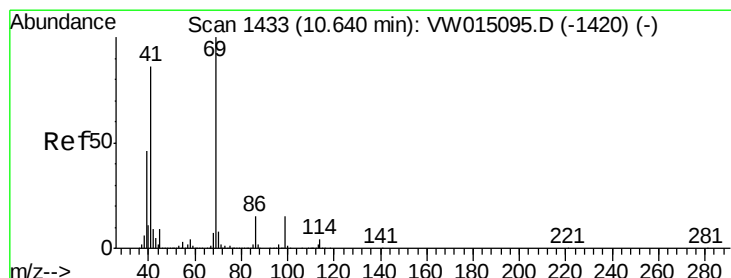
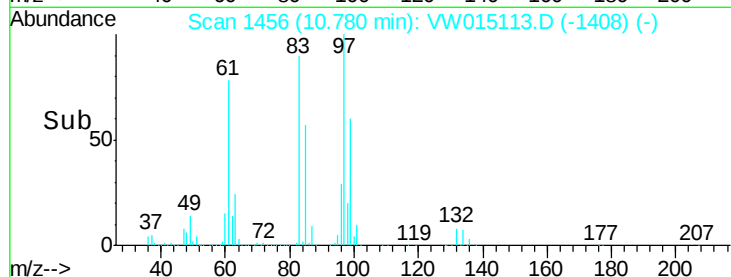
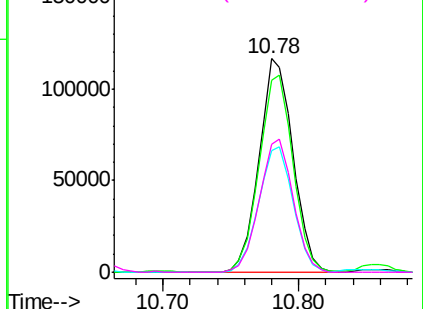


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 51.478 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

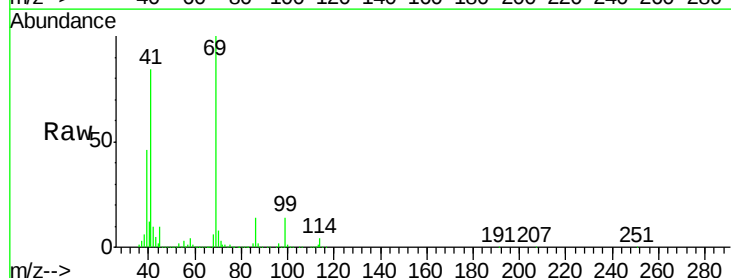
Tgt Ion: 69 Resp: 291444

Ion	Ratio	Lower	Upper
69	100		
41	83.0	65.8	98.6
39	39.5	31.2	46.8

69 100

41 83.0 65.8 98.6

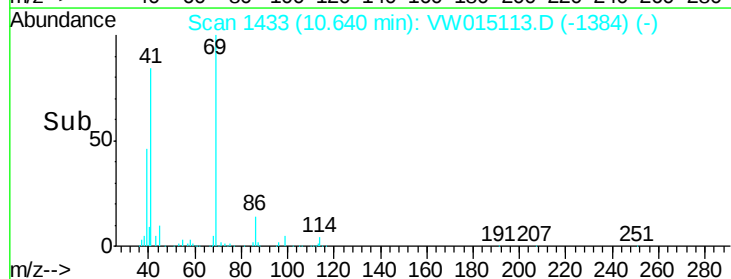
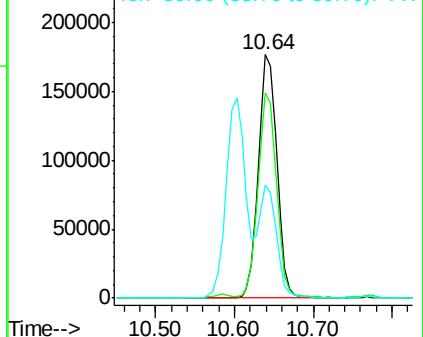
39 39.5 31.2 46.8

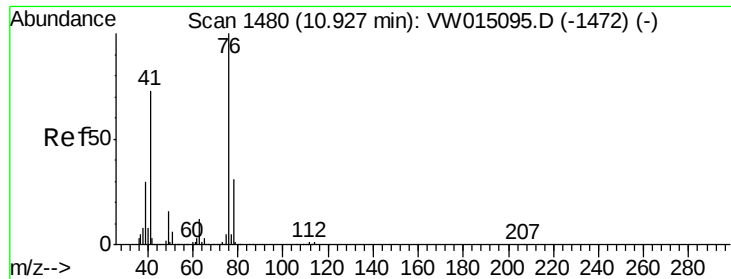


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

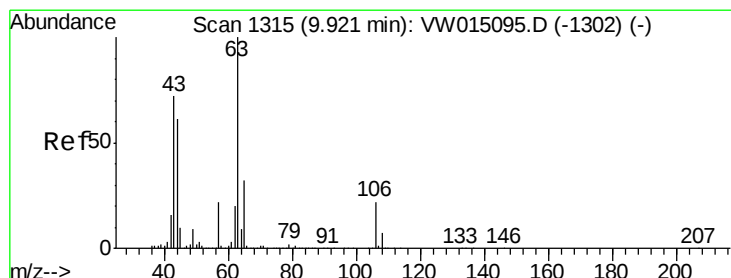
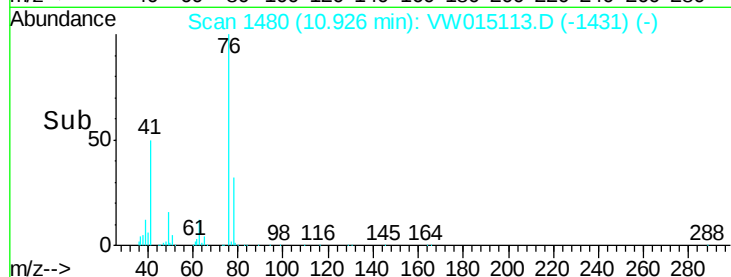
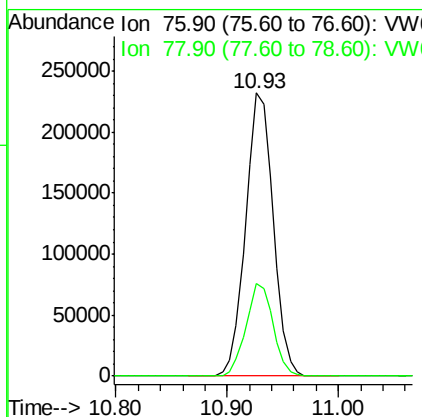
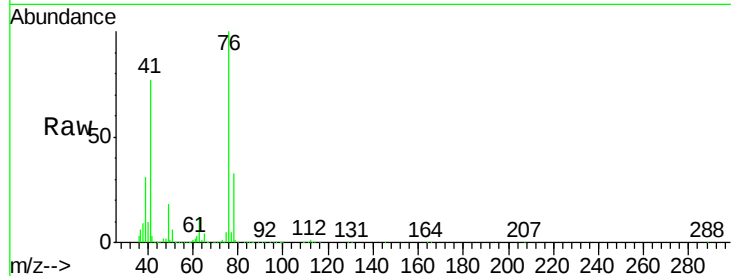




#57
 1,3-Dichloropropane
 Concen: 53.710 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

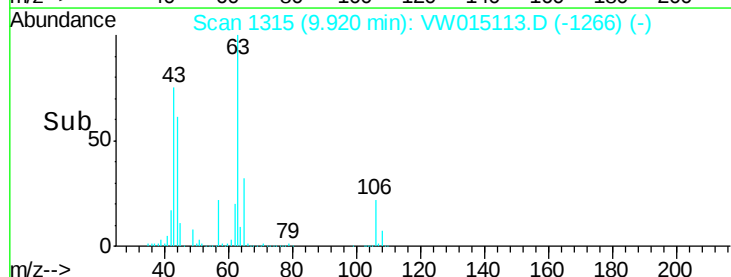
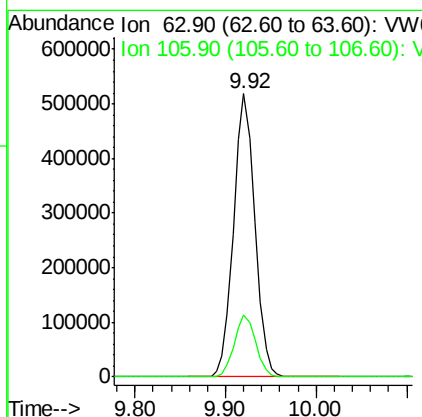
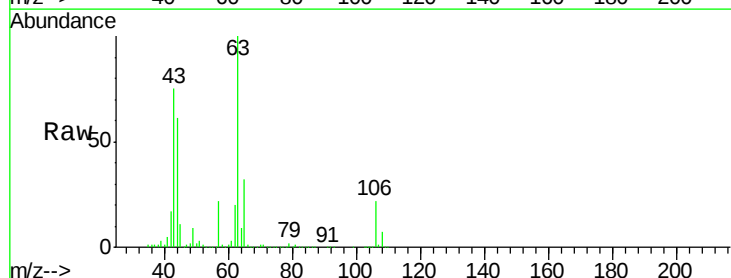
Instrument :
 MSVOA_W
 ClientSampleId :

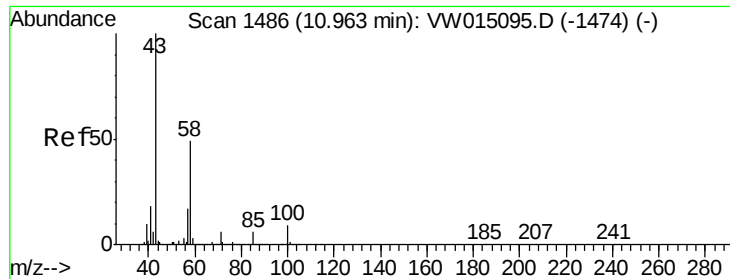
Tot Ion: 76 Resp: 400993
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.522 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

Tgt Ion: 63 Resp: 844720
 Ion Ratio Lower Upper
 63 100
 106 22.0 18.0 27.0





#59

2-Hexanone

Concen: 267.259 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

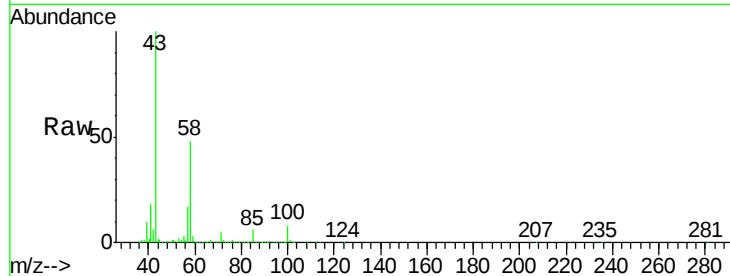
ClientSampled :

Tot Ion: 43 Resp: 799385

Ion Ratio Lower Upper

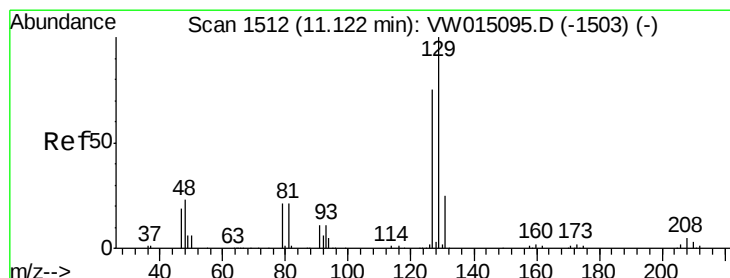
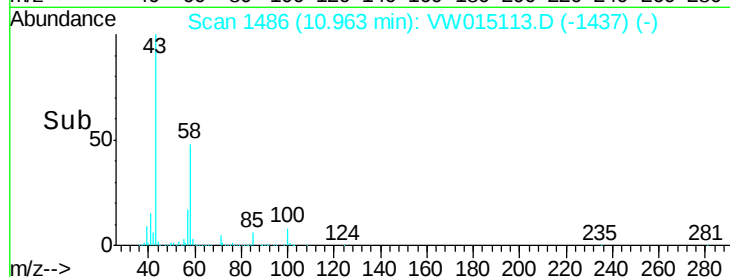
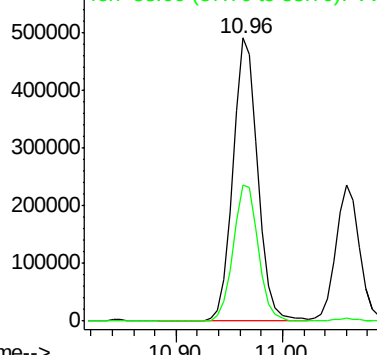
43 100

58 48.7 24.6 73.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 52.969 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VW015113.D

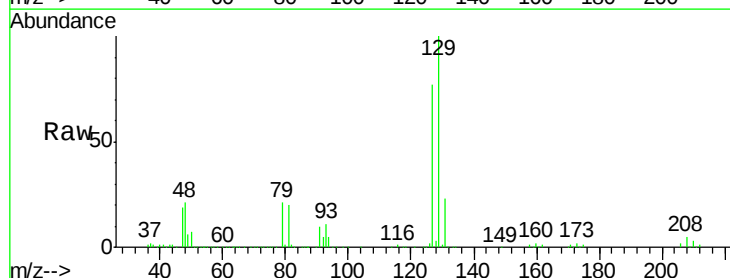
Acq: 10 Mar 2020 15:11

Tgt Ion:129 Resp: 214535

Ion Ratio Lower Upper

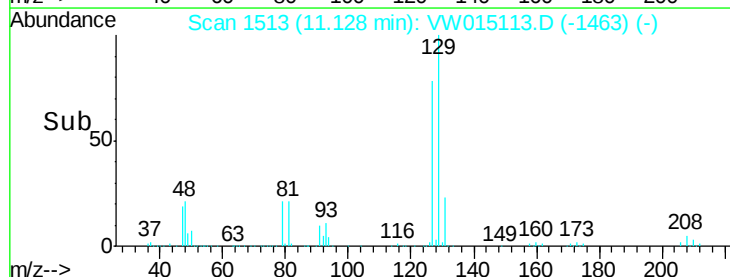
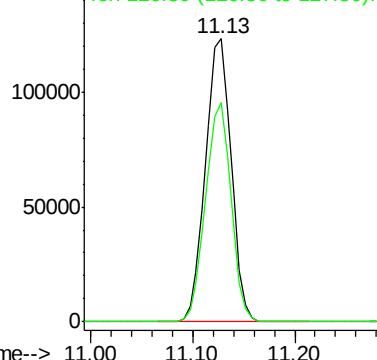
129 100

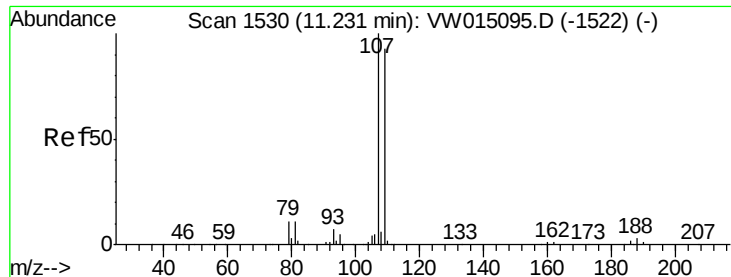
127 76.6 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

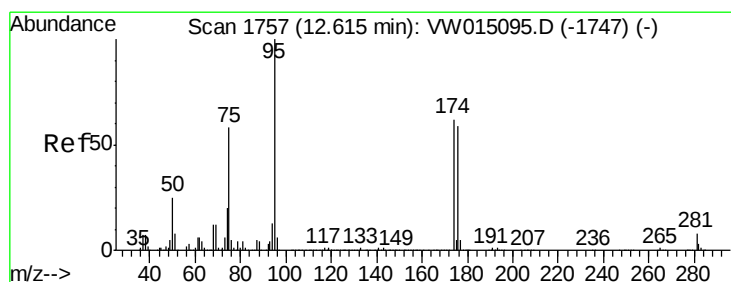
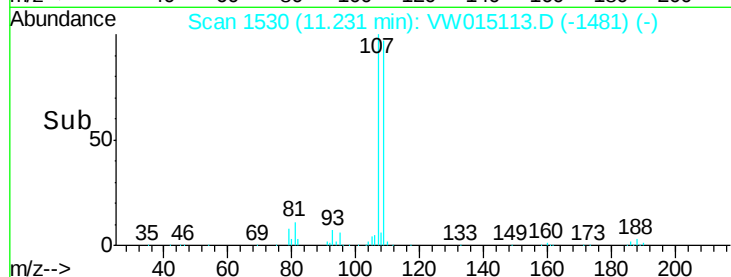
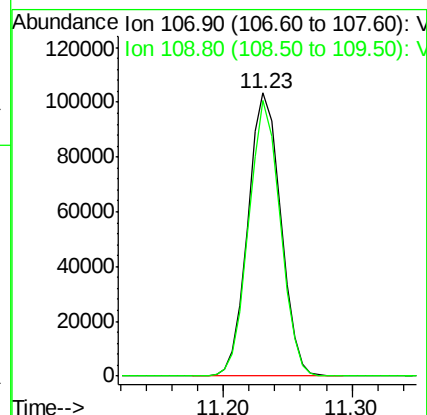
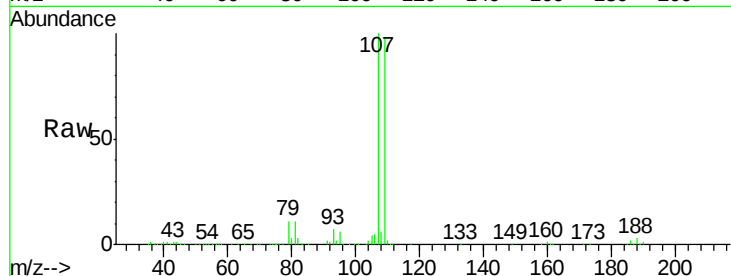




#61
1,2-Dibromoethane
Concen: 52.199 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

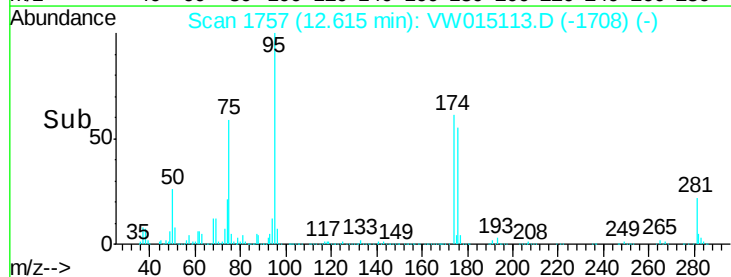
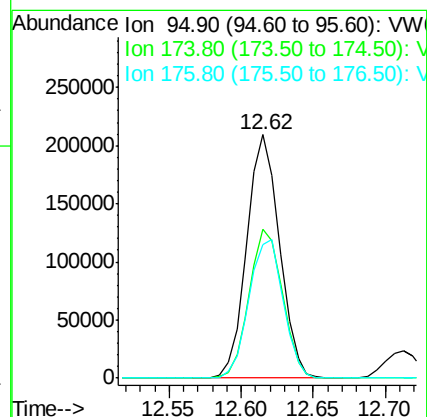
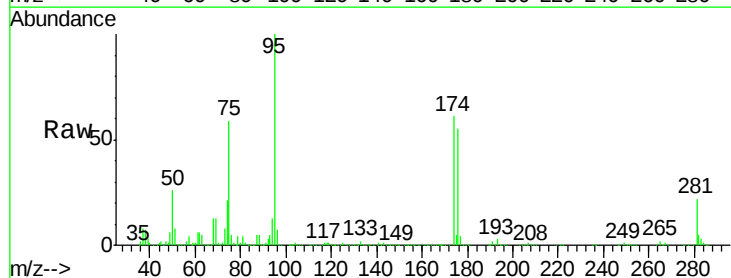
Instrument :
MSVOA_W
ClientSampleId :

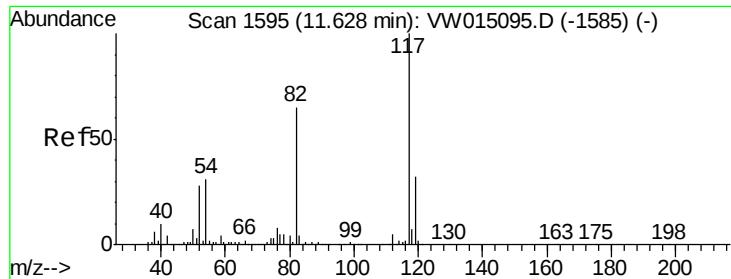
Tot Ion:107 Resp: 181472
Ion Ratio Lower Upper
107 100
109 94.2 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 52.144 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 95 Resp: 329320
Ion Ratio Lower Upper
95 100
174 62.4 0.0 126.8
176 59.5 0.0 121.6

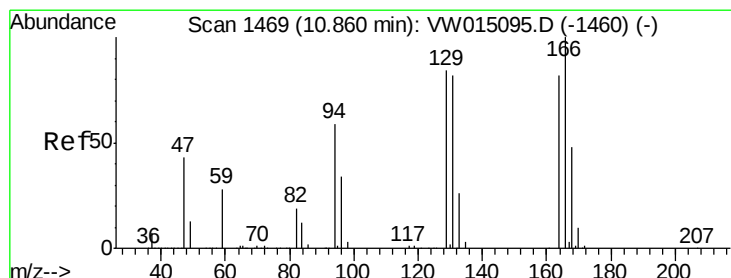
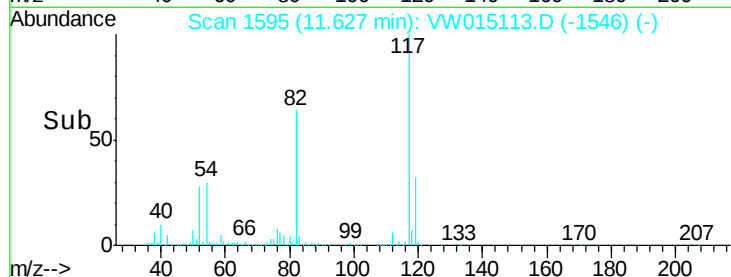
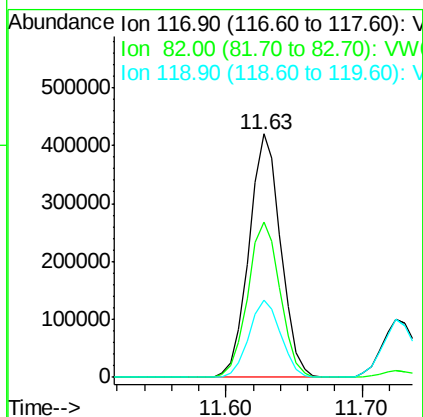
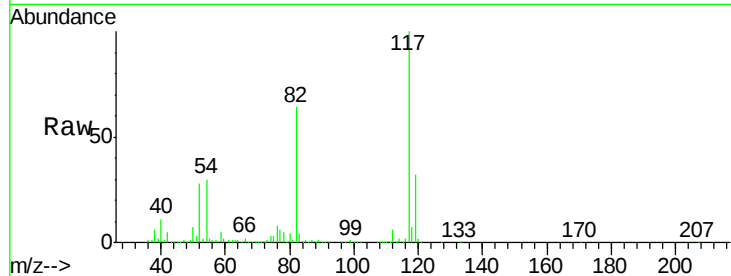




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

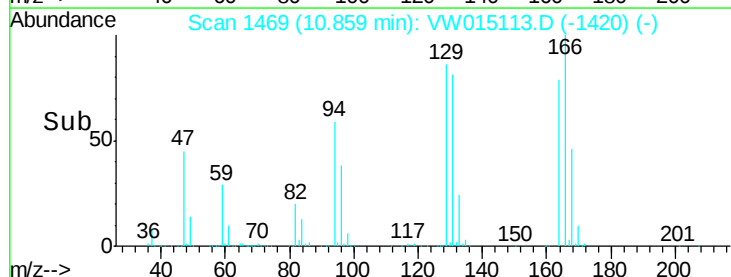
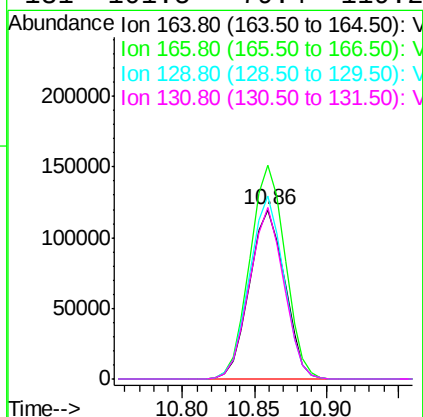
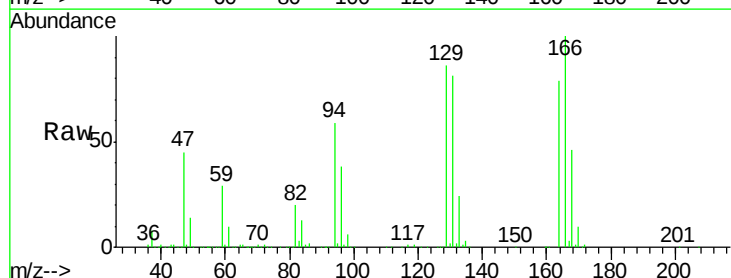
Instrument :
MSVOA_W
ClientSampled :

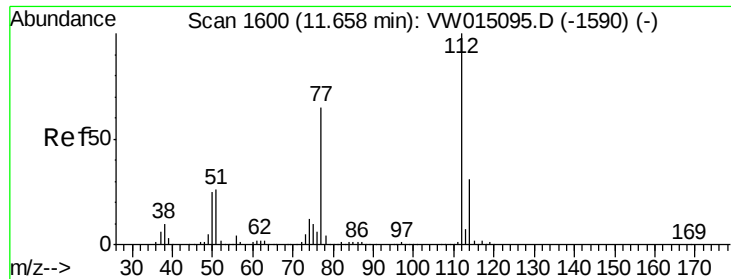
Tot Ion:117 Resp: 685362
Ion Ratio Lower Upper
117 100
82 64.0 52.2 78.2
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 51.309 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion:164 Resp: 202936
Ion Ratio Lower Upper
164 100
166 126.1 97.0 145.6
129 108.2 81.2 121.8
131 101.5 79.4 119.2





#65

Chlorobenzene

Concen: 52.843 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

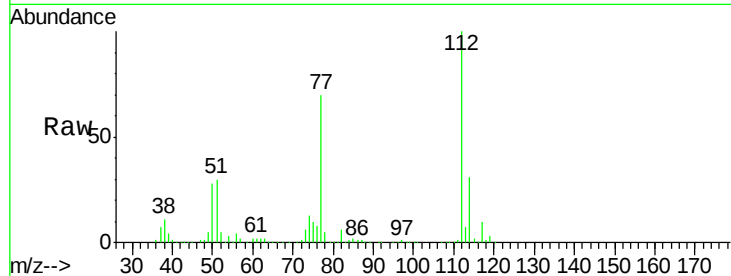
ClientSampleId :

Tot Ion:112 Resp: 726930

Ion Ratio Lower Upper

112 100

114 30.9 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.65

400000

300000

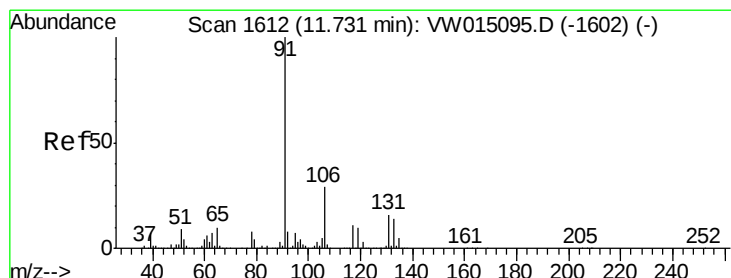
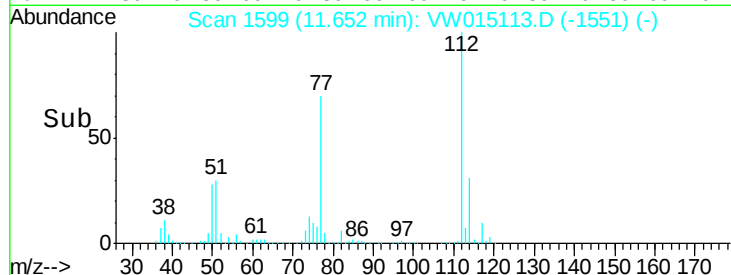
200000

100000

0

Time-->

11.60 11.70 11.80



#66

1,1,1,2-Tetrachloroethane

Concen: 51.723 ug/l

RT: 11.72 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

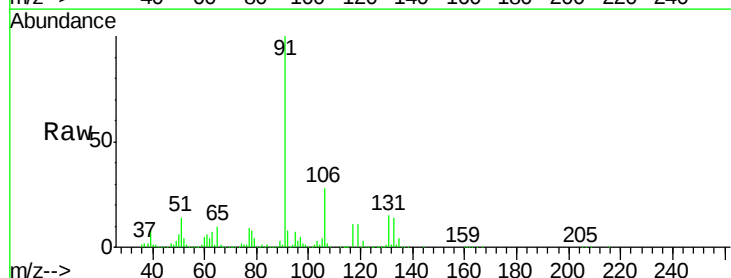
Tgt Ion:131 Resp: 236939

Ion Ratio Lower Upper

131 100

133 94.2 47.3 141.8

119 68.8 34.0 101.8



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

11.72

150000

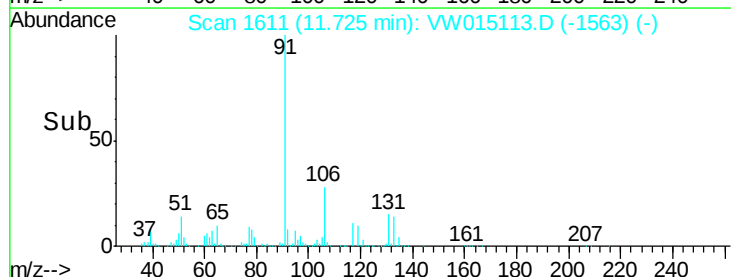
100000

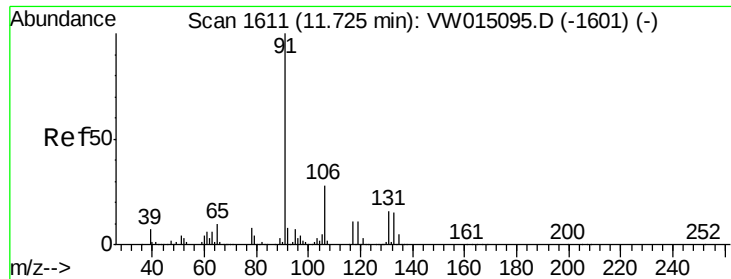
50000

0

Time-->

11.60 11.70 11.80

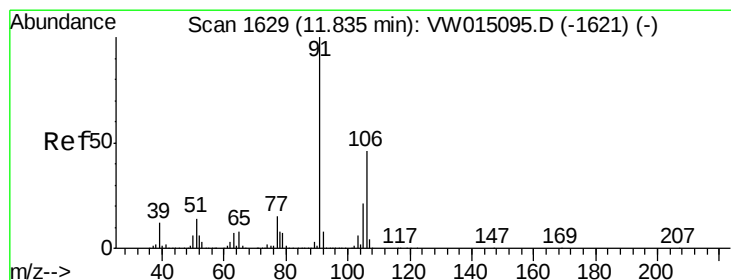
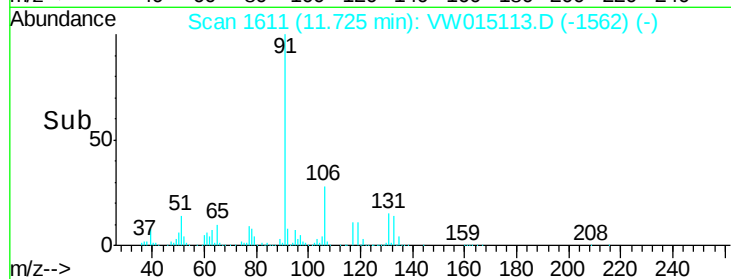
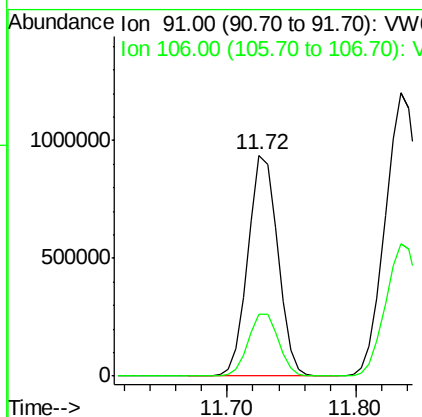
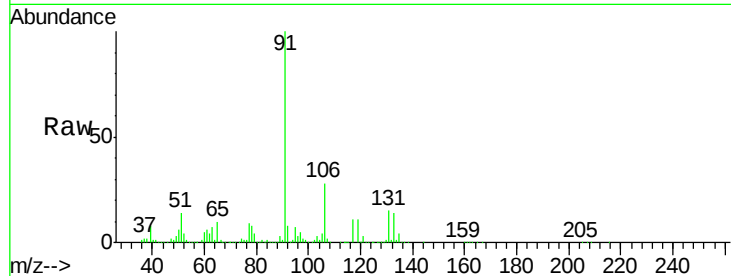




#67
Ethyl Benzene
Concen: 55.895 ug/l
RT: 11.72 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

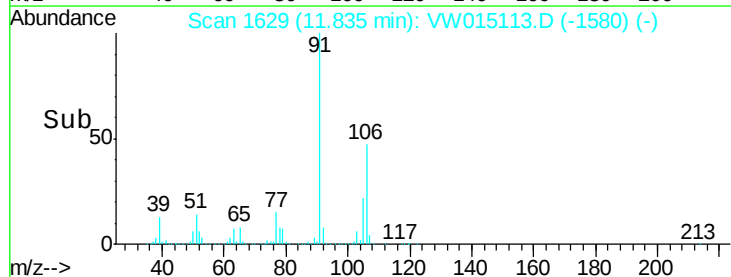
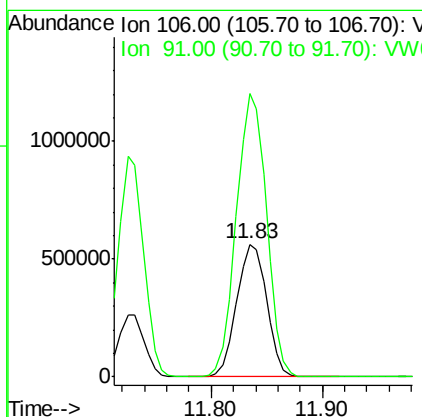
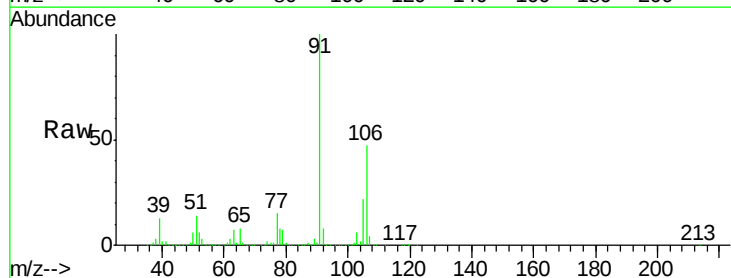
Instrument :
MSVOA_W
ClientSampleId :

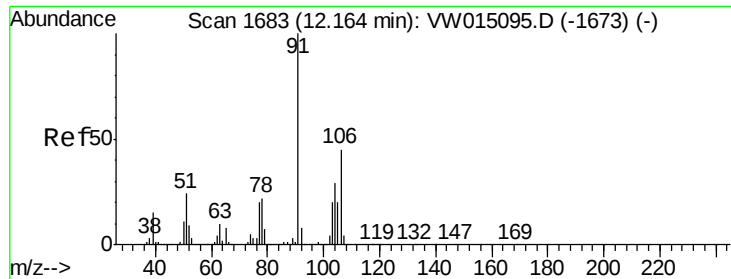
Tot Ion: 91 Resp: 1496269
Ion Ratio Lower Upper
91 100
106 28.3 22.8 34.2



#68
m/p-Xylenes
Concen: 111.281 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion:106 Resp: 1053089
Ion Ratio Lower Upper
106 100
91 214.8 172.3 258.5

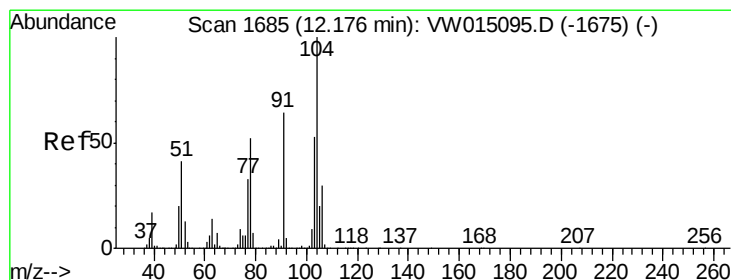
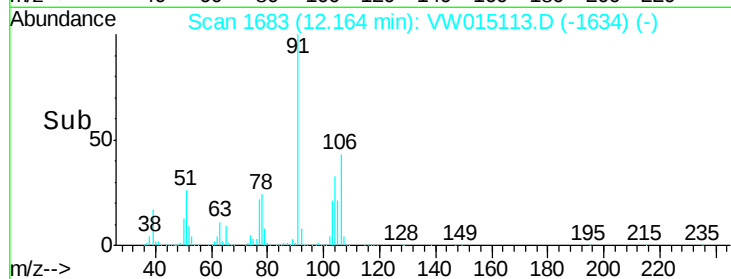
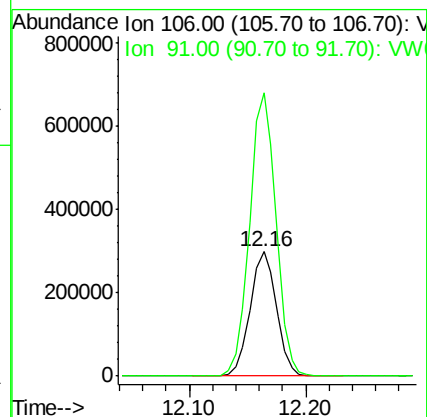
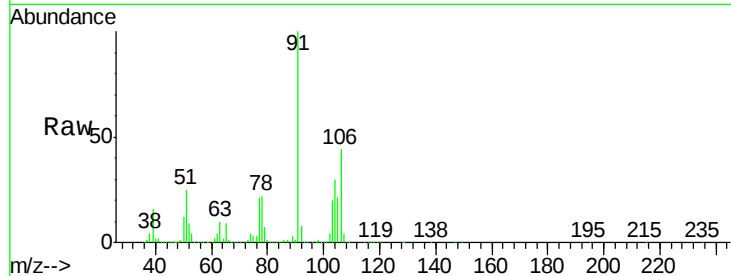




#69
o-Xylene
Concen: 55.446 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

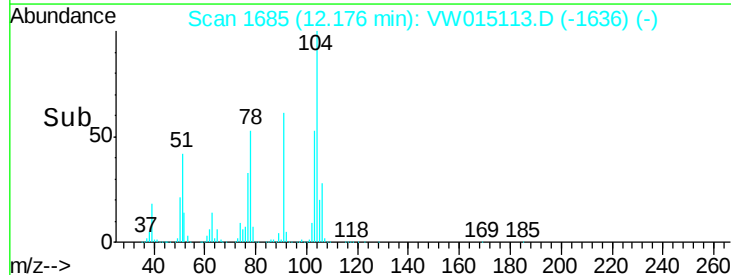
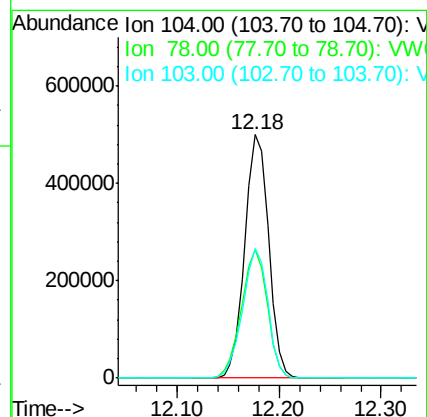
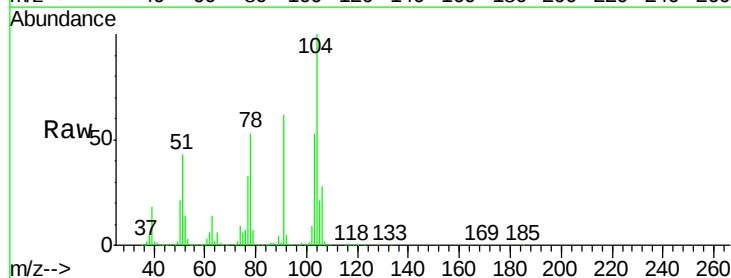
Instrument :
MSVOA_W
ClientSampled :

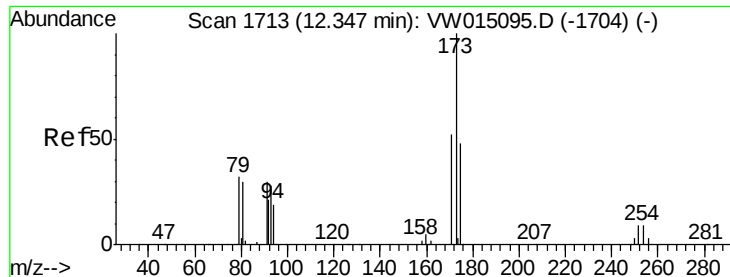
Tot Ion:106 Resp: 472658
Ion Ratio Lower Upper
106 100
91 227.5 112.6 337.8



#70
Styrene
Concen: 55.847 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion:104 Resp: 815737
Ion Ratio Lower Upper
104 100
78 56.8 44.7 67.1
103 56.2 44.7 67.1





#71

Bromoform

Concen: 51.315 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

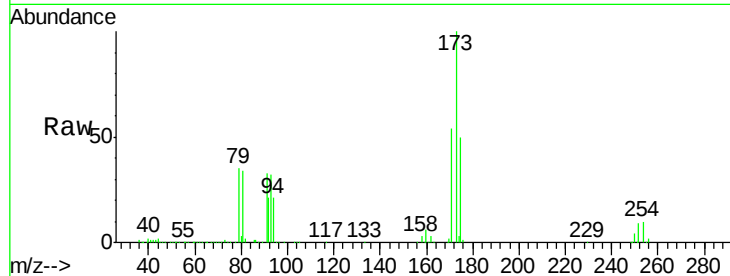
Tot Ion:173 Resp: 104321

Ion Ratio Lower Upper

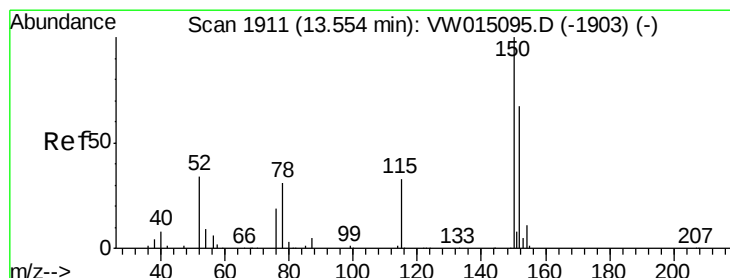
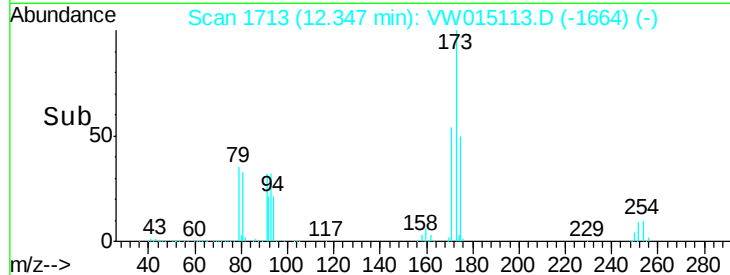
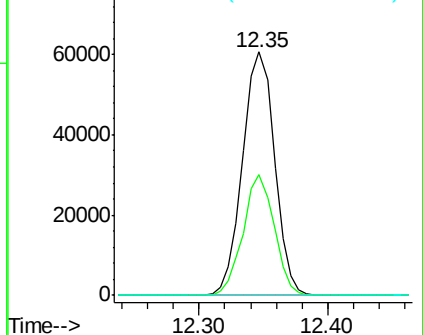
173 100

175 48.2 23.8 71.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

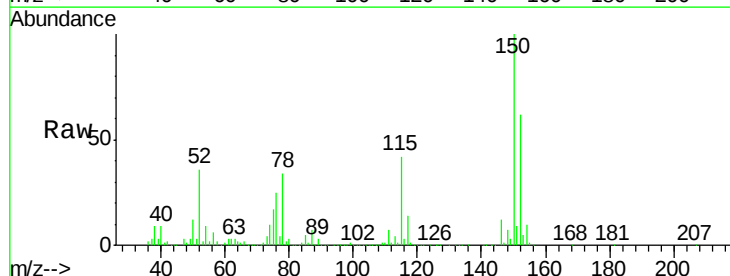
Tgt Ion:152 Resp: 305290

Ion Ratio Lower Upper

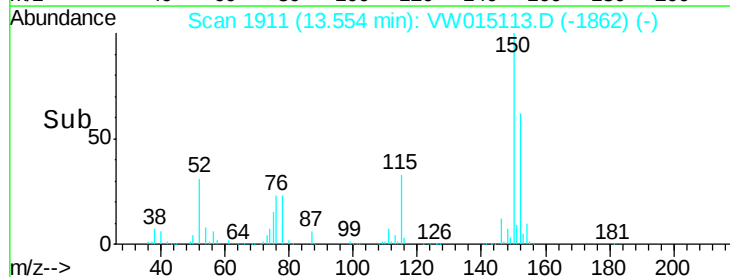
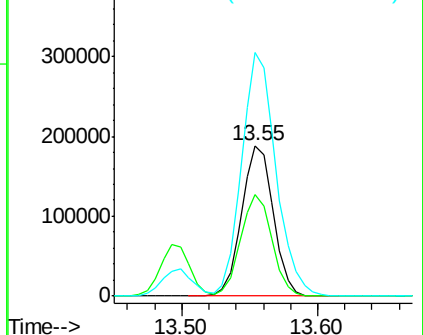
152 100

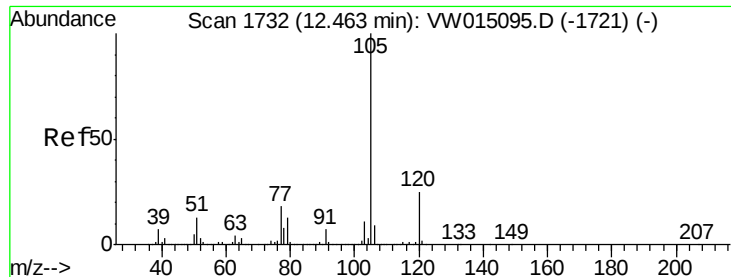
115 66.9 33.3 99.9

150 175.5 0.0 351.2



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





#73

Isopropylbenzene

Concen: 57.449 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

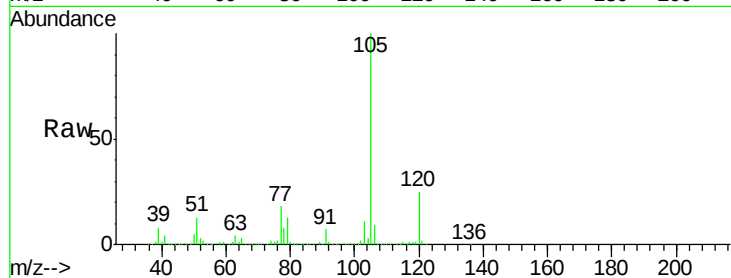
ClientSampled :

Tot Ion:105 Resp: 1339746

Ion Ratio Lower Upper

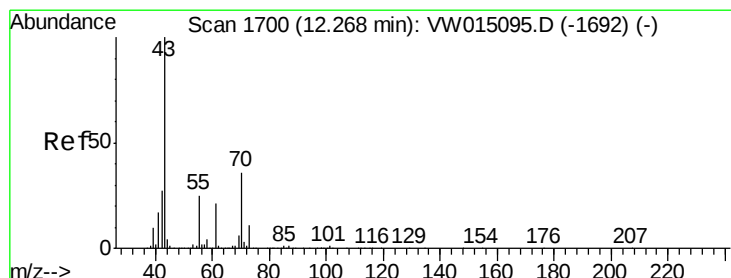
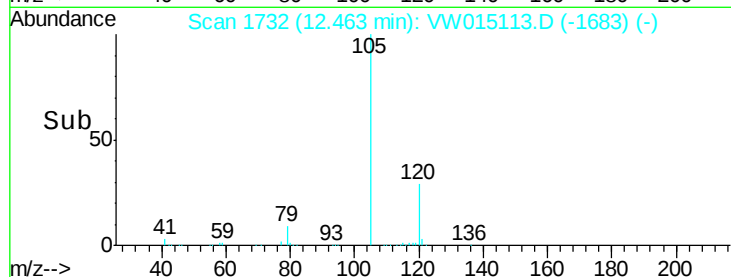
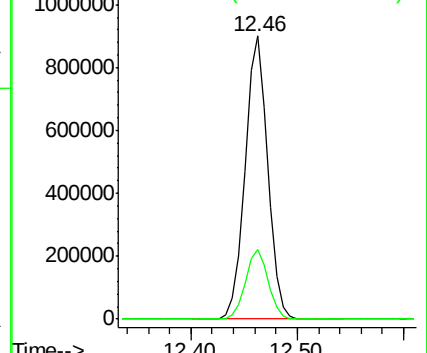
105 100

120 24.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.535 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Tgt Ion: 43 Resp: 398859

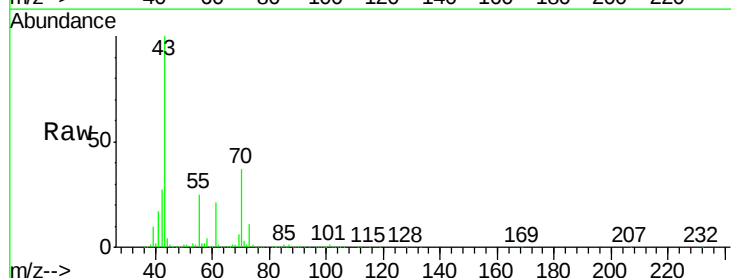
Ion Ratio Lower Upper

43 100

70 36.5 29.4 44.2

55 25.0 20.3 30.5

61 21.3 17.1 25.7

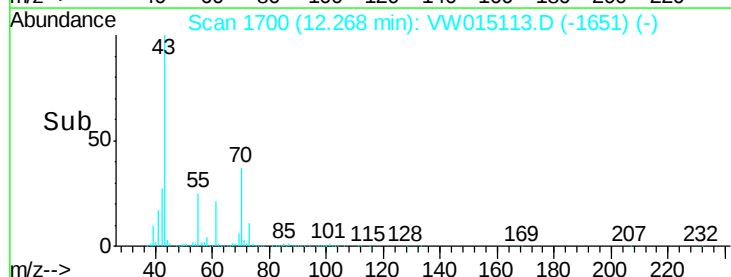
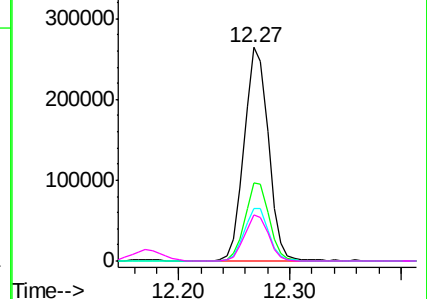


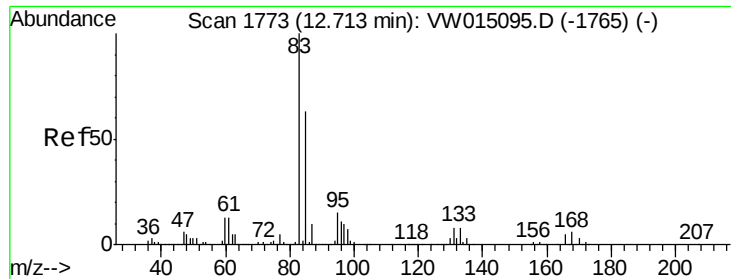
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 53.218 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

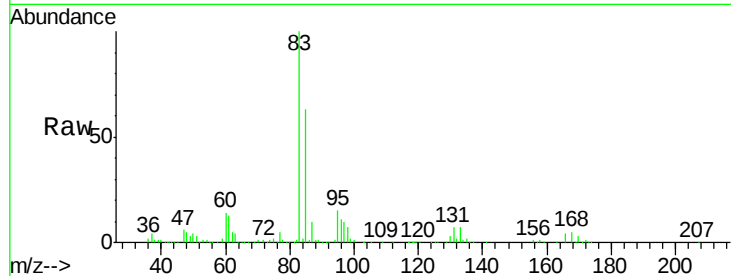
Tot Ion: 83 Resp: 252015

Ion Ratio Lower Upper

83 100

131 8.3 4.3 13.1

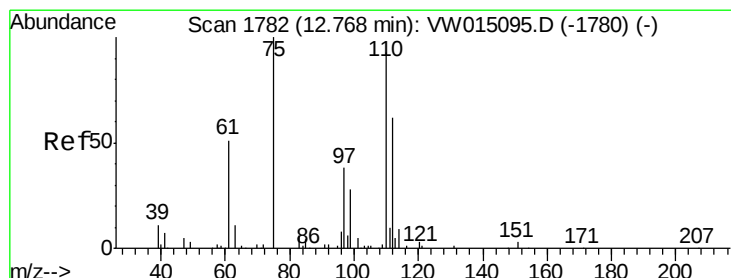
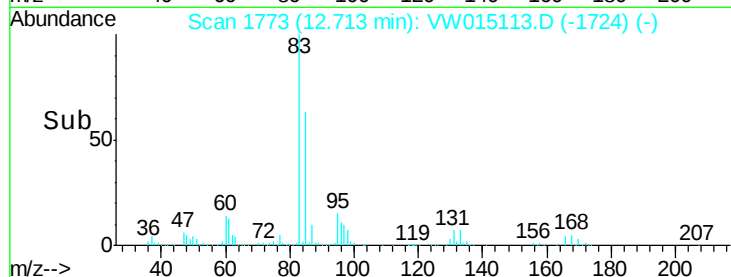
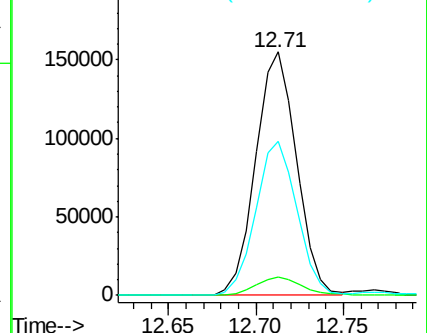
85 63.7 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.314 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015113.D

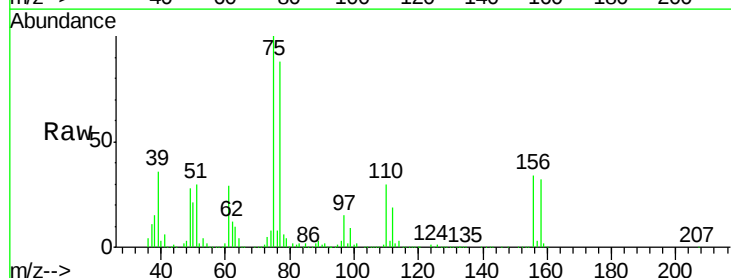
Acq: 10 Mar 2020 15:11

Tgt Ion: 75 Resp: 335770

Ion Ratio Lower Upper

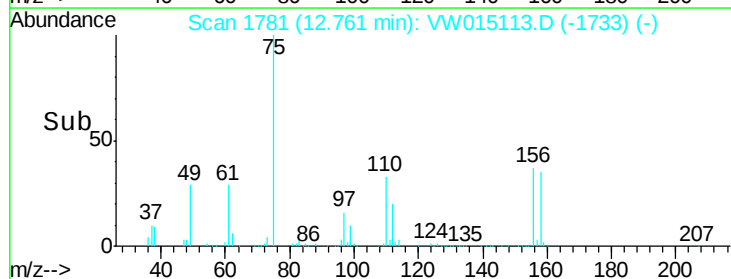
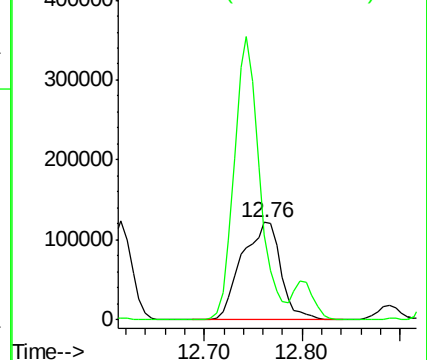
75 100

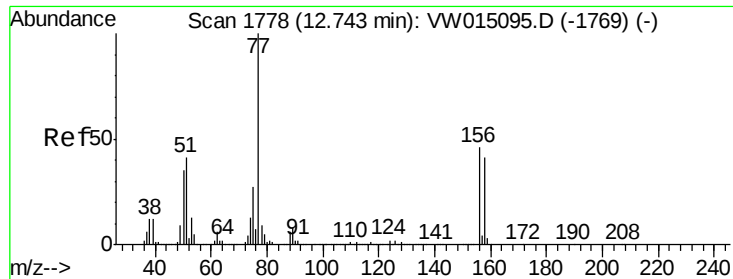
77 191.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.249 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

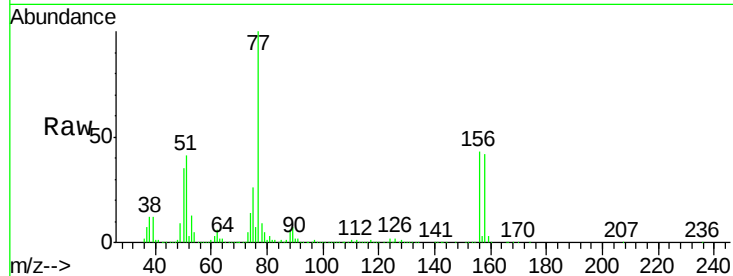
Tot Ion:156 Resp: 250052

Ion Ratio Lower Upper

156 100

77 257.0 126.6 379.8

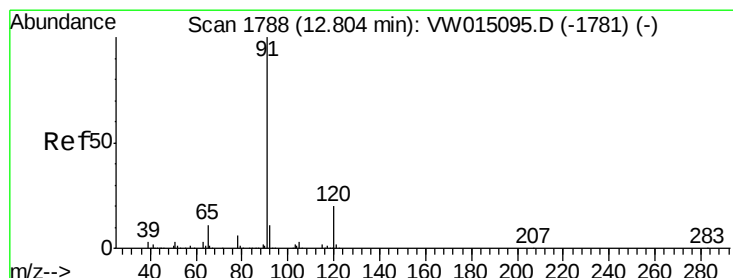
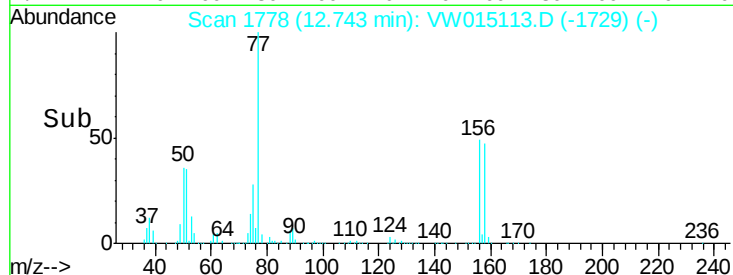
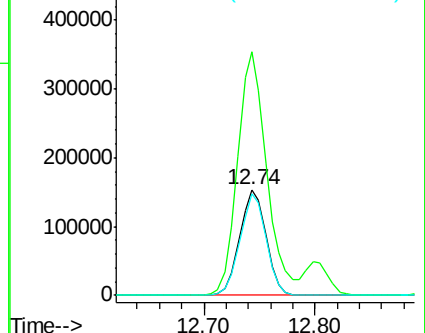
158 95.5 47.4 142.2



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: 57.821 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015113.D

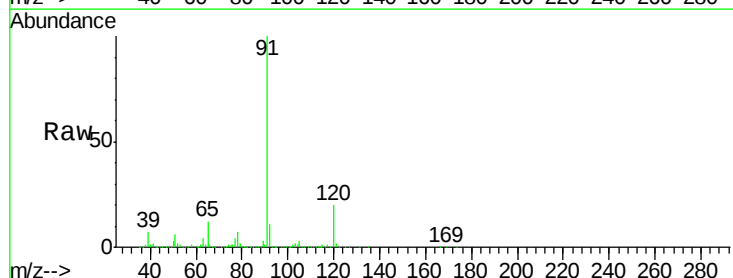
Acq: 10 Mar 2020 15:11

Tgt Ion: 91 Resp: 1752396

Ion Ratio Lower Upper

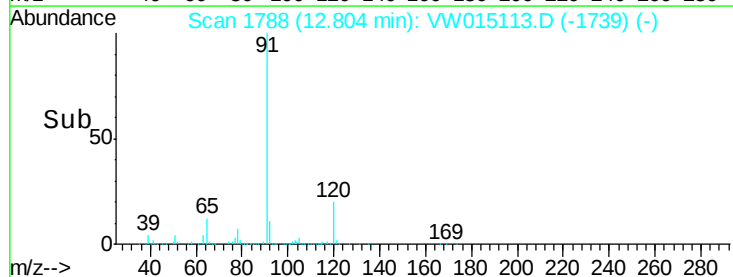
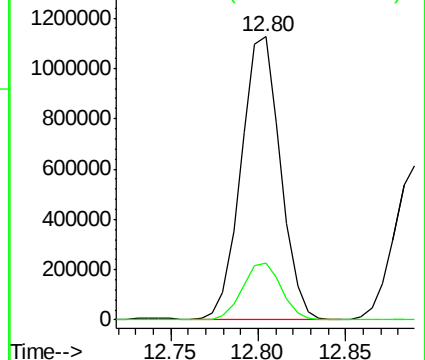
91 100

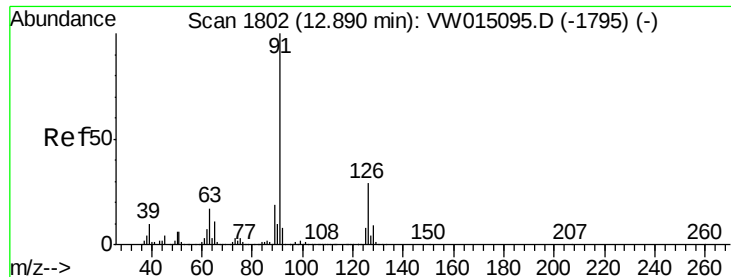
120 20.1 10.2 30.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.360 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

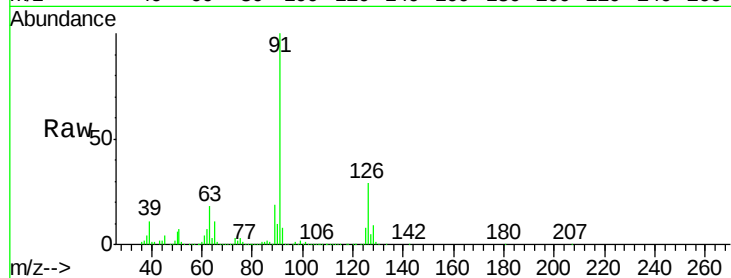
ClientSampled :

Tot Ion: 91 Resp: 960364

Ion Ratio Lower Upper

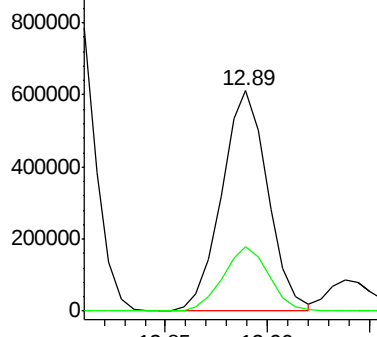
91 100

126 29.2 14.5 43.6

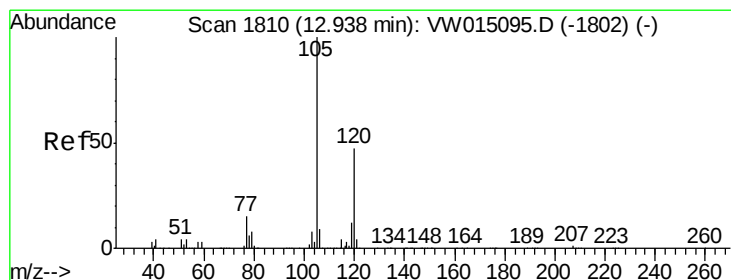
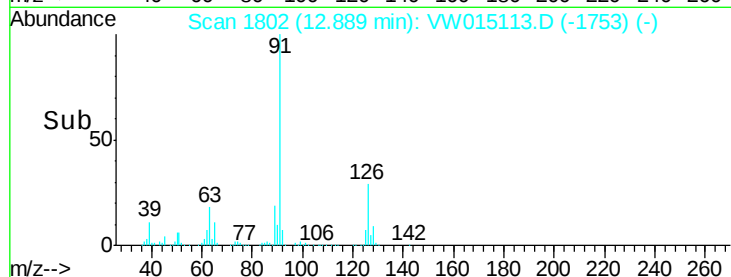


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 56.773 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW015113.D

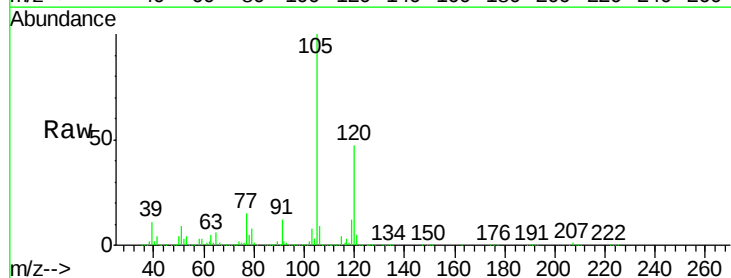
Acq: 10 Mar 2020 15:11

Tgt Ion:105 Resp: 1138377

Ion Ratio Lower Upper

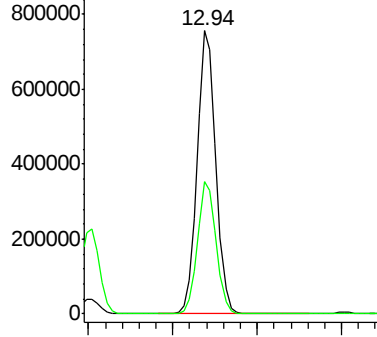
105 100

120 46.9 23.3 69.8

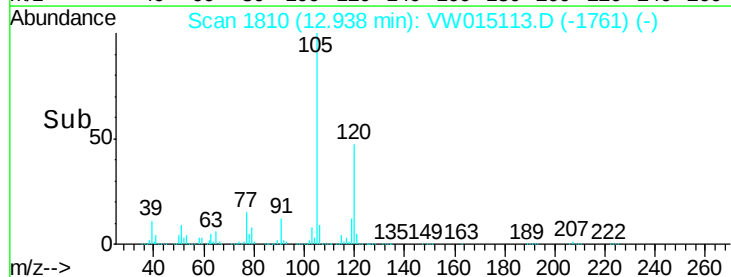


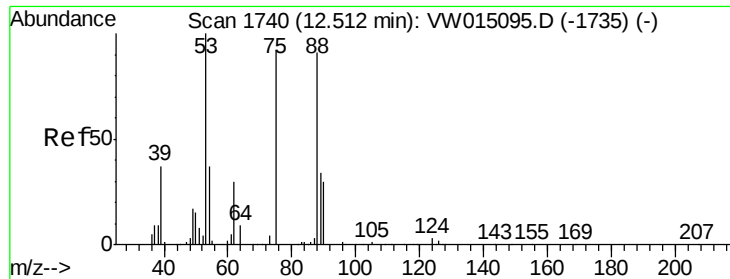
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.756 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampled :

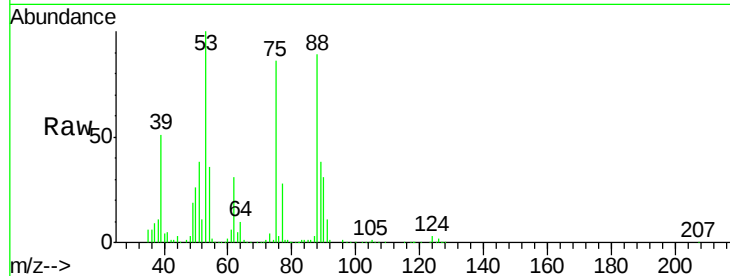
Tot Ion: 75 Resp: 82119

Ion Ratio Lower Upper

75 100

53 117.6 88.4 132.6

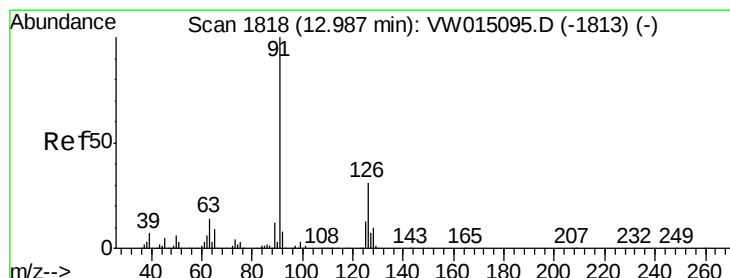
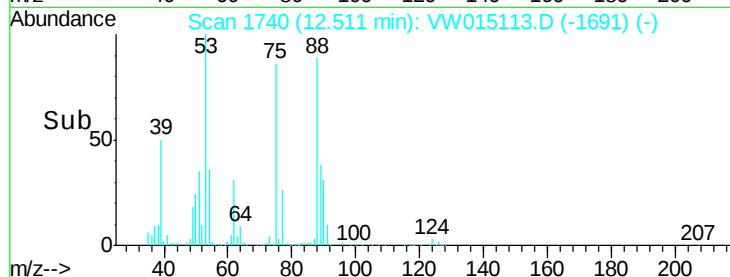
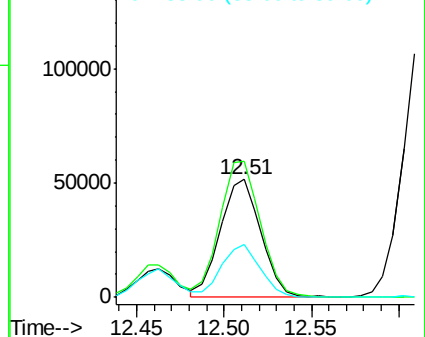
89 43.8 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 55.779 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015113.D

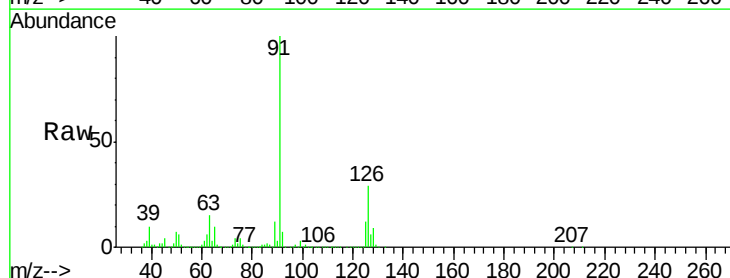
Acq: 10 Mar 2020 15:11

Tgt Ion: 91 Resp: 1012202

Ion Ratio Lower Upper

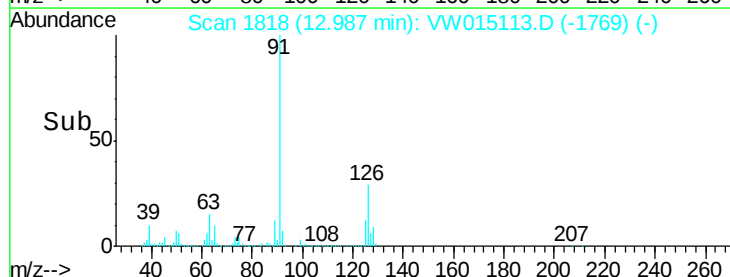
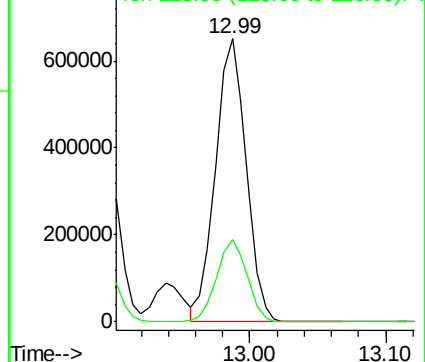
91 100

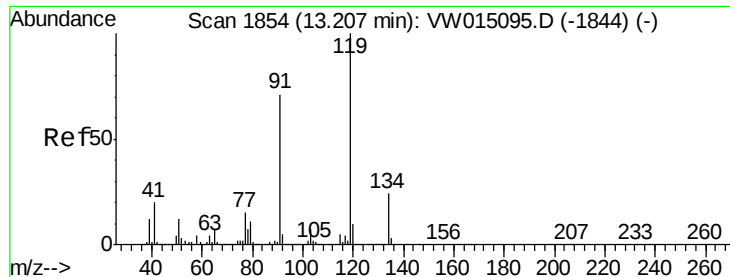
126 29.2 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW





#83

tert-Butylbenzene

Concen: 57.345 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

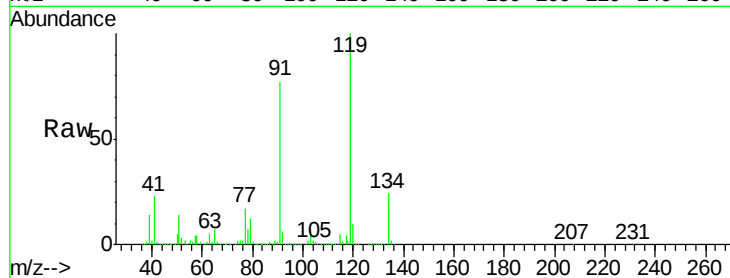
Tot Ion:119 Resp: 931512

Ion Ratio Lower Upper

119 100

91 72.9 35.7 107.1

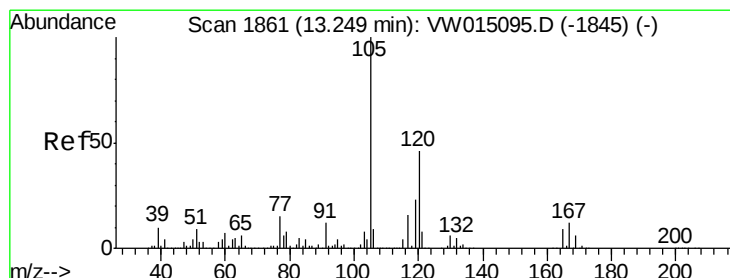
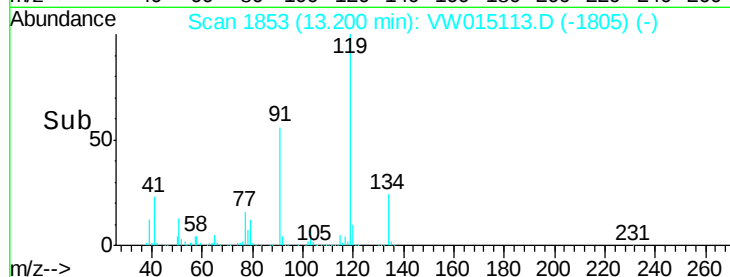
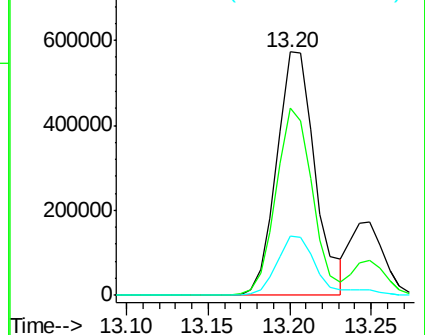
134 25.7 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.679 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW015113.D

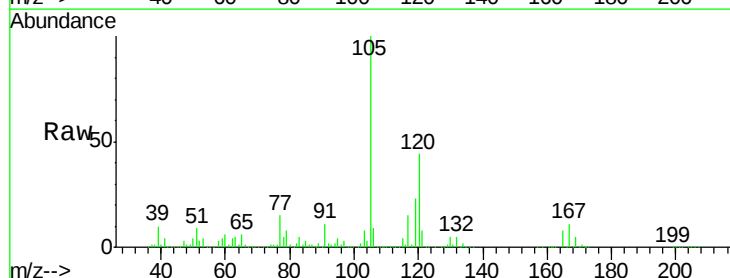
Acq: 10 Mar 2020 15:11

Tgt Ion:105 Resp: 1136368

Ion Ratio Lower Upper

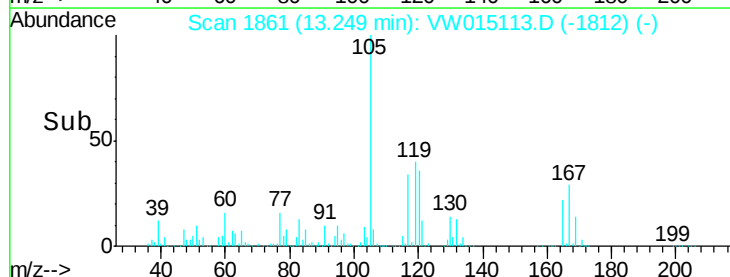
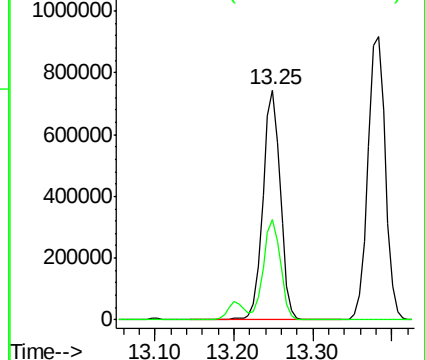
105 100

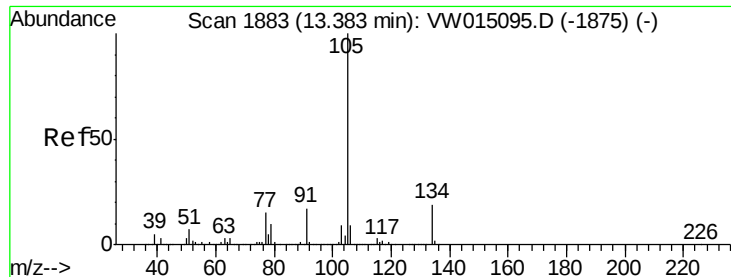
120 43.2 22.1 66.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 57.311 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

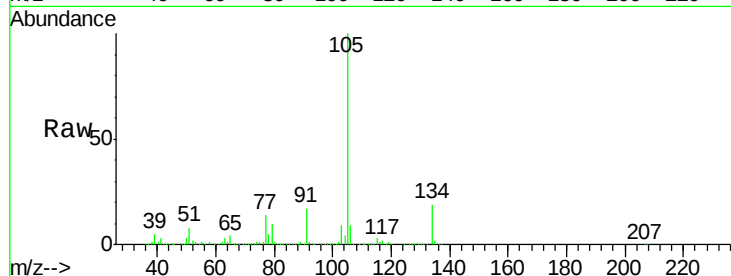
ClientSampleId :

Tot Ion:105 Resp: 1408924

Ion Ratio Lower Upper

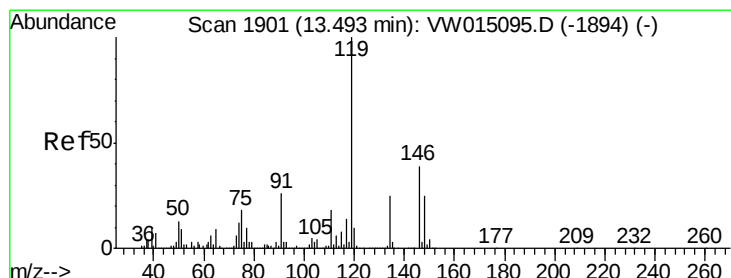
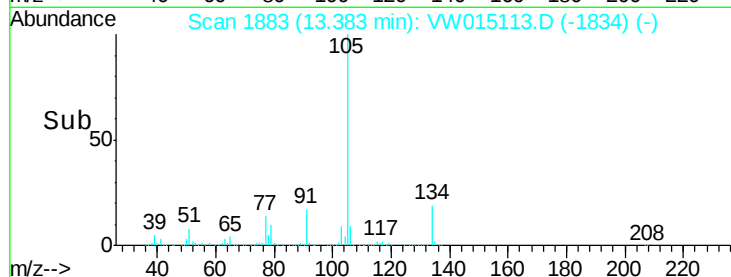
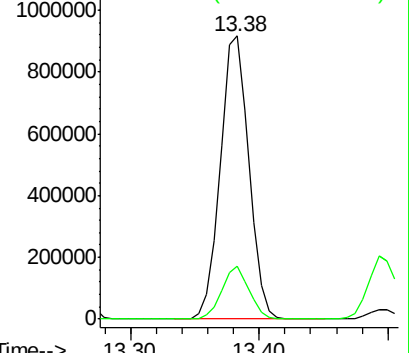
105 100

134 17.8 9.0 27.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.743 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

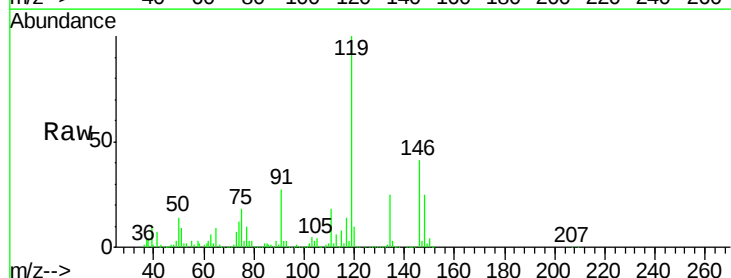
Tgt Ion:119 Resp: 1199070

Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

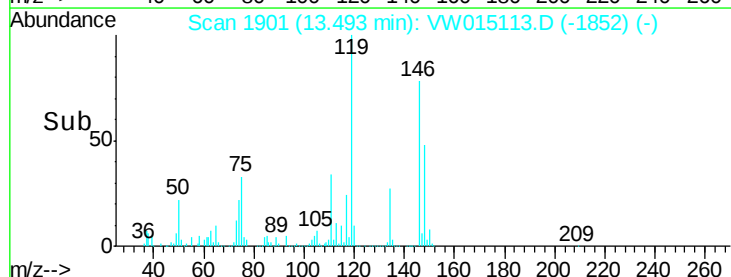
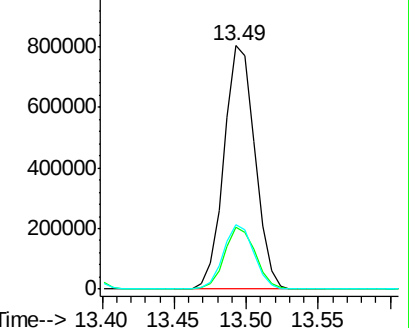
91 26.4 12.9 38.6

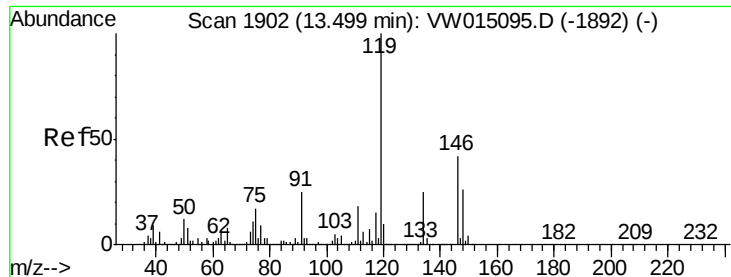


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.828 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW015113.D

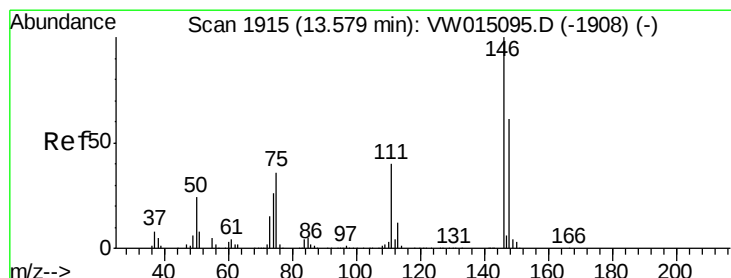
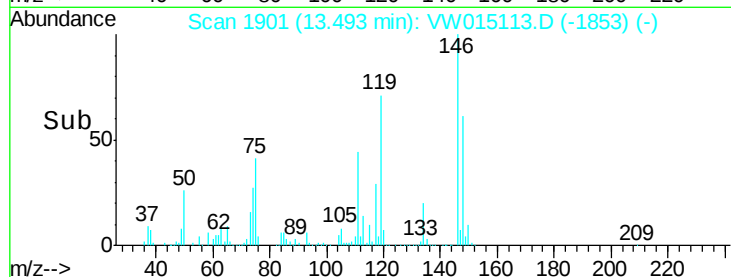
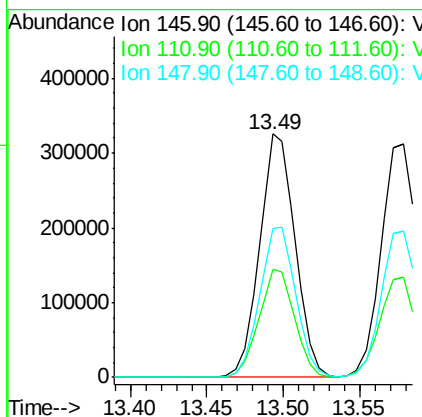
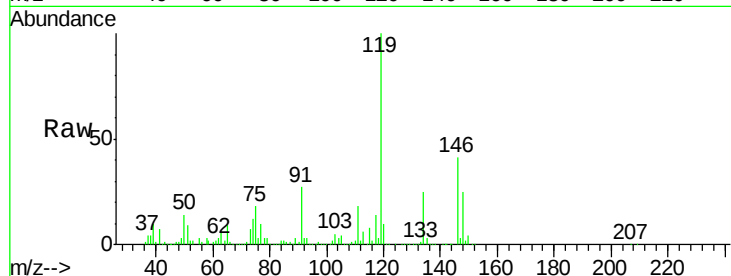
Acq: 10 Mar 2020 15:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	525703
Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.5	67.5
148	62.6	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 52.902 ug/l

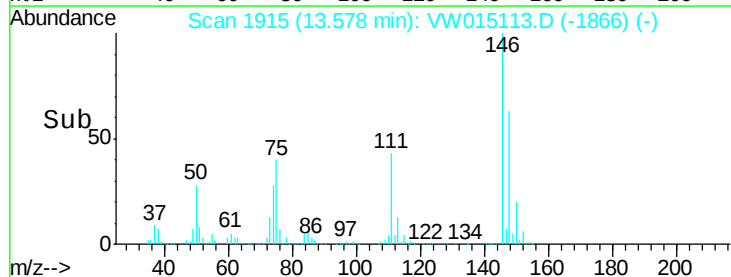
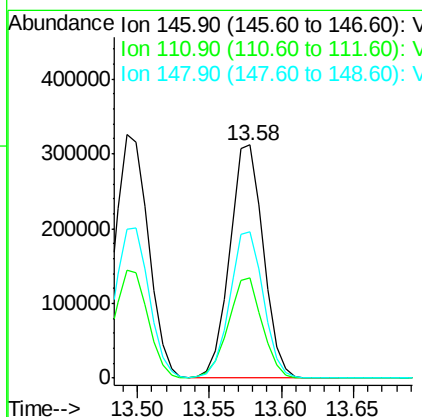
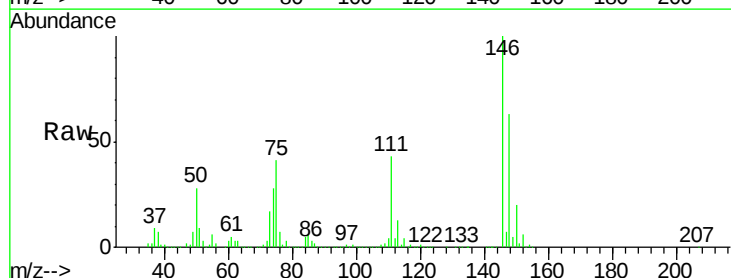
RT: 13.58 min Scan# 1915

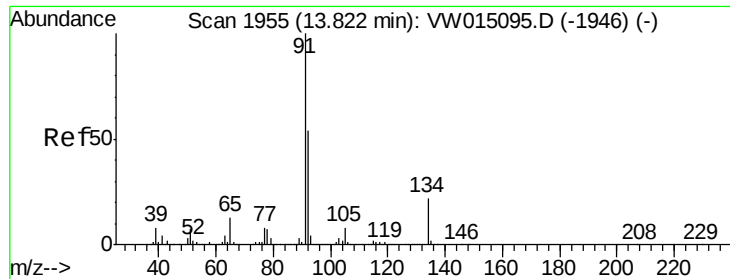
Delta R.T. -0.00 min

Lab File: VW015113.D

Acq: 10 Mar 2020 15:11

Tgt Ion:	146	Resp:	508734
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	62.9	31.6	94.8

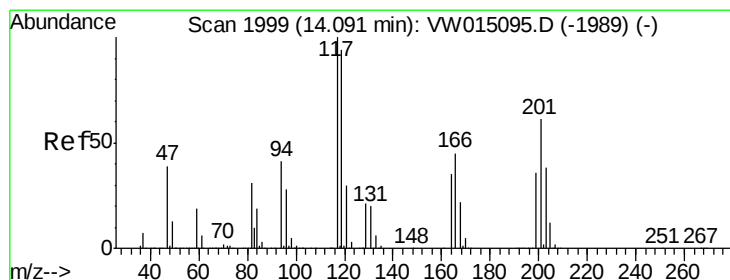
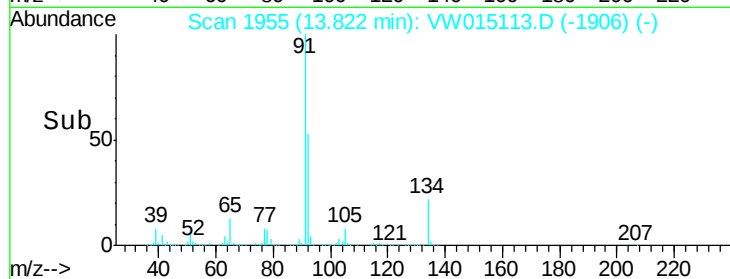
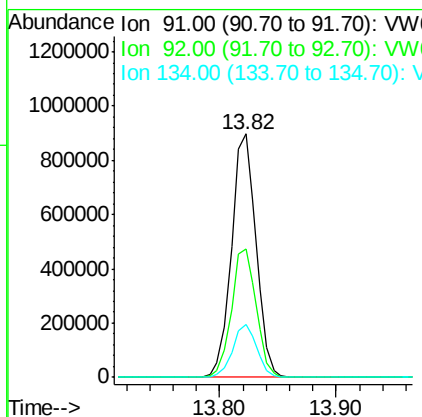
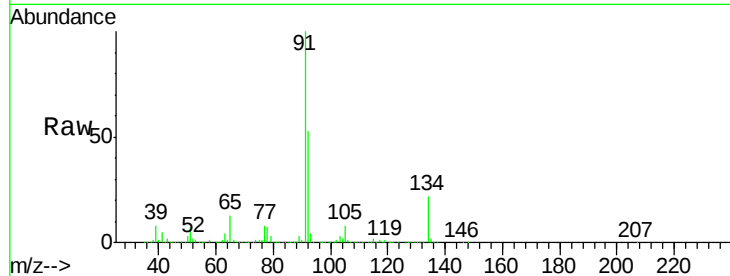




#89
n-Butylbenzene
Concen: 57.759 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

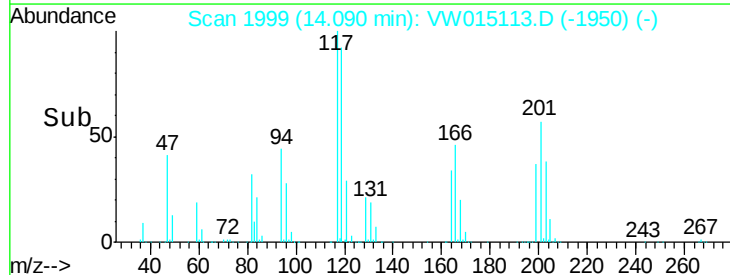
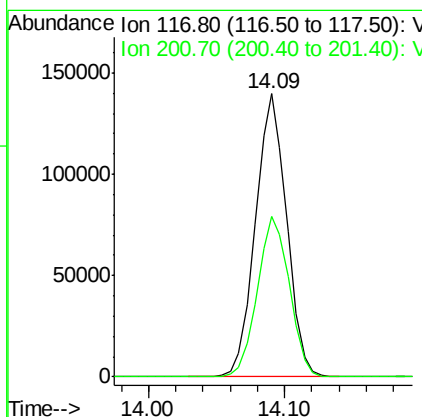
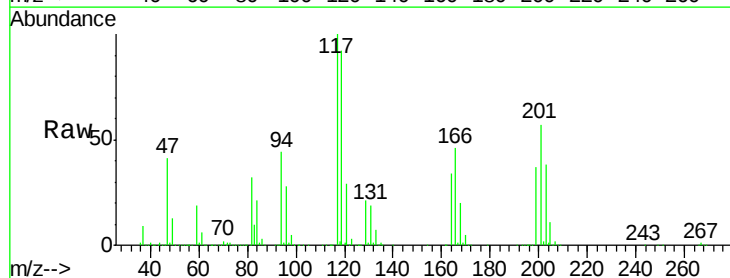
Instrument :
MSVOA_W
ClientSampled :

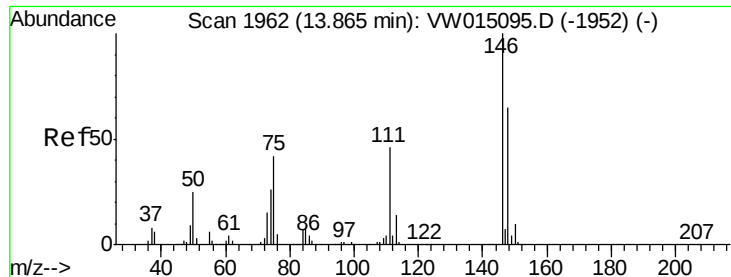
Tot Ion: 91 Resp: 1316299
Ion Ratio Lower Upper
91 100
92 53.2 26.8 80.3
134 21.4 10.8 32.4



#90
Hexachloroethane
Concen: 53.106 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion: 117 Resp: 225064
Ion Ratio Lower Upper
117 100
201 58.2 30.3 90.9





#91

1,2-Dichlorobenzene

Concen: 52.765 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW015113.D

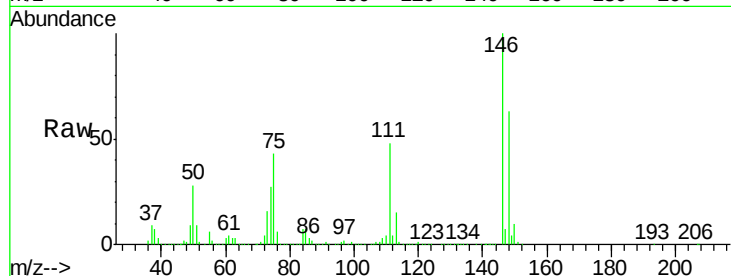
Acq: 10 Mar 2020 15:11

Instrument :

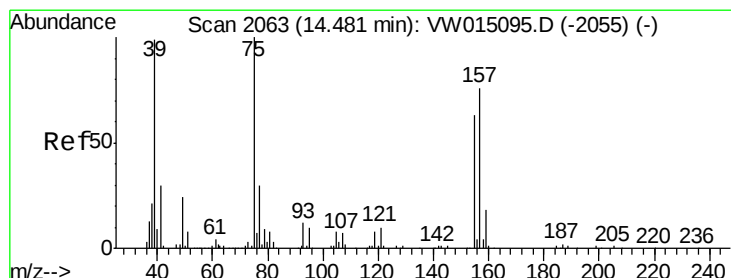
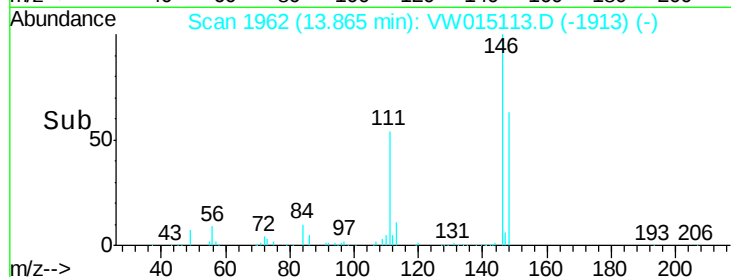
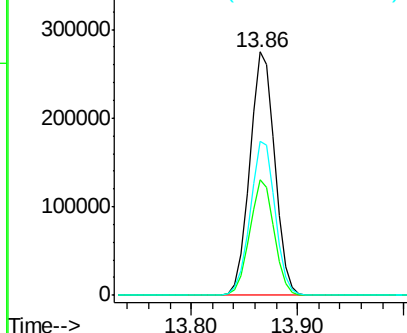
MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	451328
Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.1	69.2
148	63.0	32.3	96.9



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: 52.131 ug/l

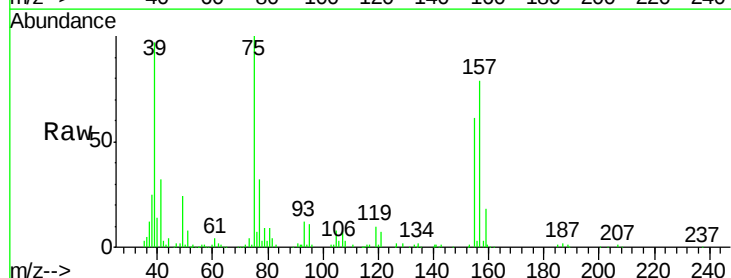
RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

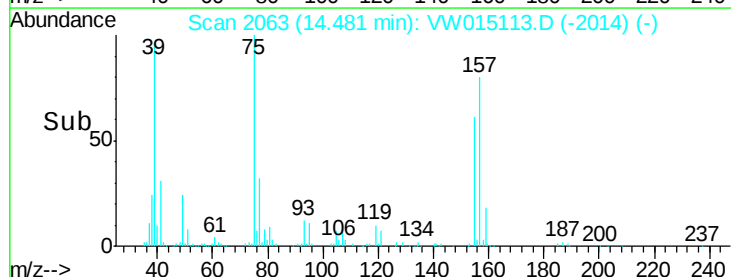
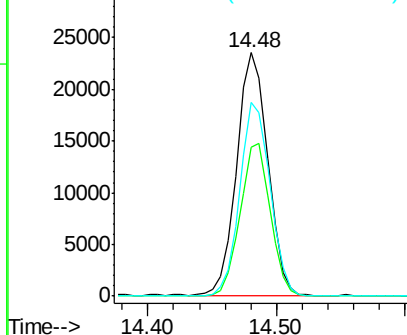
Lab File: VW015113.D

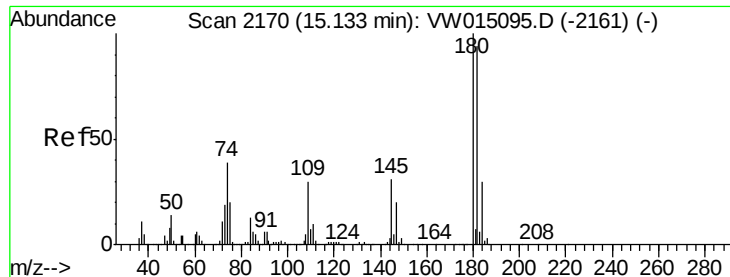
Acq: 10 Mar 2020 15:11

Tgt Ion:	75	Resp:	39642
Ion	Ratio	Lower	Upper
75	100		
155	60.0	32.1	96.3
157	77.1	39.6	118.7



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

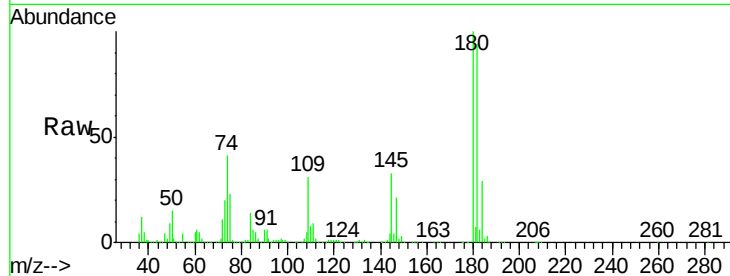




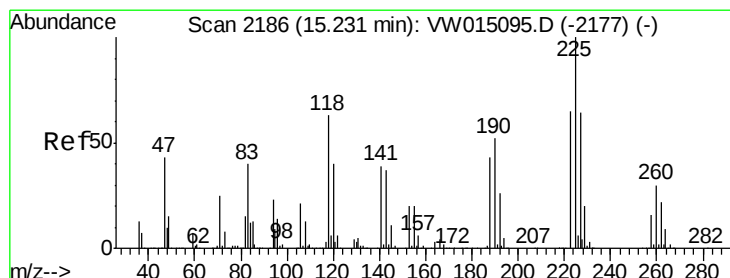
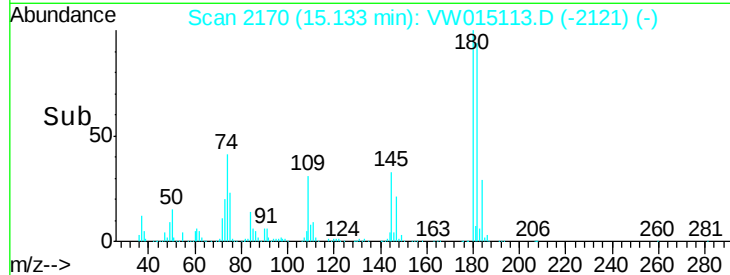
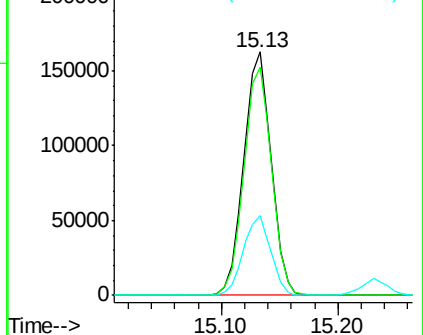
#93
 1,2,4-Trichlorobenzene
 Concen: 54.713 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.6	142.9
145	32.7	16.2	48.5

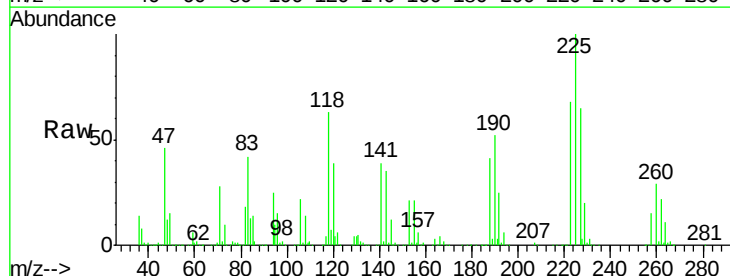


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

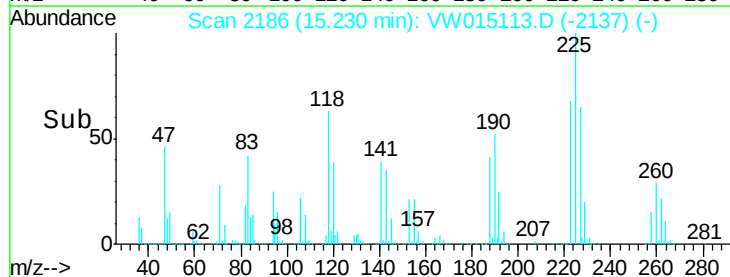
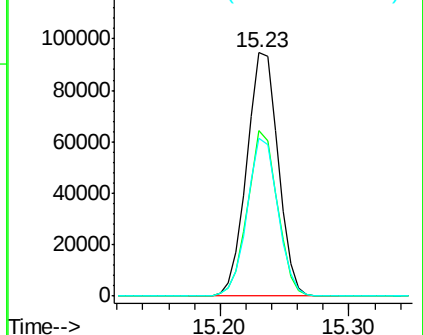


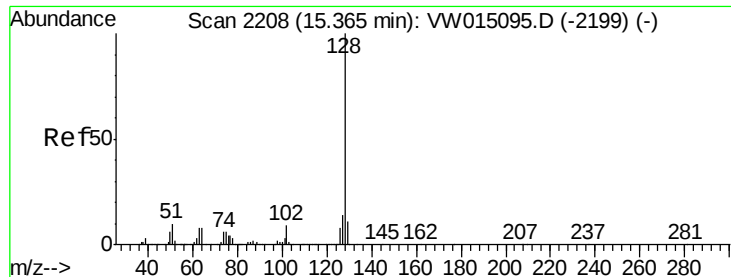
#94
 Hexachlorobutadiene
 Concen: 51.771 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW015113.D
 Acq: 10 Mar 2020 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	32.5	97.4
227	63.3	33.0	99.0



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

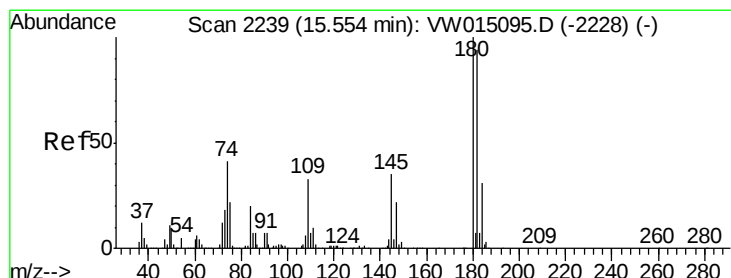
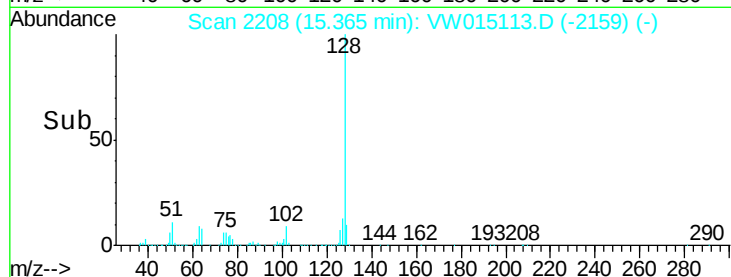
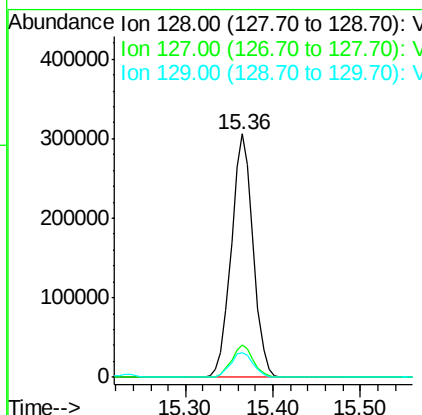
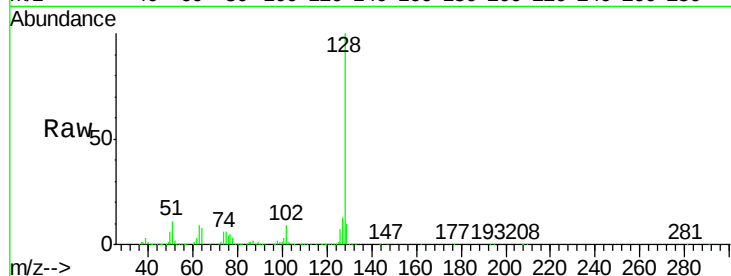




#95
Naphthalene
Concen: 49.622 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 530941
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.961 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015113.D
Acq: 10 Mar 2020 15:11

Tgt Ion:180 Resp: 229929
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 35.3 17.5 52.6

