

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015109.D
 Acq On : 10 Mar 2020 13:17
 Operator : SY/VA
 Sample : VW0310SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 11 09:03:35 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	410448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	770405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	690906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	311575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	318530	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	7.88	113	244027	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.32	98	1049452	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.62	95	348418	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52528	21.106	ug/l	99
3) Chloromethane	2.21	50	117713	22.040	ug/l	98
4) Vinyl Chloride	2.36	62	154942	22.160	ug/l	99
5) Bromomethane	2.78	94	85934	21.501	ug/l	95
6) Chloroethane	2.92	64	87860	21.694	ug/l	98
7) Trichlorofluoromethane	3.26	101	82878	23.686	ug/l	96
8) Diethyl Ether	3.68	74	54657	20.500	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	118156	22.152	ug/l	99
10) Methyl Iodide	4.27	142	132343	22.302	ug/l	99
11) Tert butyl alcohol	5.16	59	37729	108.778	ug/l	100
12) 1,1-Dichloroethene	4.04	96	113988	21.858	ug/l	92
13) Acrolein	3.89	56	55748	109.900	ug/l	98
14) Allyl chloride	4.67	41	228061	21.822	ug/l	98
15) Acrylonitrile	5.37	53	139746	102.255	ug/l	99
16) Acetone	4.12	43	132327	96.142	ug/l	97
17) Carbon Disulfide	4.38	76	405550	21.934	ug/l	99
18) Methyl Acetate	4.67	43	66123	20.266	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	146353	21.922	ug/l	96
20) Methylene Chloride	4.91	84	136996	22.216	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	123365	22.280	ug/l	97
22) Diisopropyl ether	6.31	45	468160	23.346	ug/l	98
23) Vinyl Acetate	6.25	43	1258217	106.290	ug/l	99
24) 1,1-Dichloroethane	6.21	63	260866	22.308	ug/l	99
25) 2-Butanone	7.16	43	187480	99.361	ug/l	99
26) 2,2-Dichloropropane	7.16	77	154013	23.028	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	128103	22.223	ug/l	97
28) Bromochloromethane	7.51	49	115349	20.586	ug/l	98
29) Tetrahydrofuran	7.52	42	119035	100.858	ug/l	97
30) Chloroform	7.67	83	231302	22.289	ug/l	98
31) Cyclohexane	7.95	56	266372	22.148	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	184371	22.754	ug/l	98
36) 1,1-Dichloropropene	8.08	75	199943	22.379	ug/l	99
37) Ethyl Acetate	7.25	43	88169	19.801	ug/l	100
38) Carbon Tetrachloride	8.07	117	158136	21.743	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223848	21.913	ug/l	98
40) Benzene	8.32	78	559708	22.543	ug/l	100
41) Methacrylonitrile	7.48	41	50272	21.348	ug/l	92
42) 1,2-Dichloroethane	8.40	62	165019	21.816	ug/l	99
43) Isopropyl Acetate	8.42	43	162649	20.375	ug/l	99
44) Trichloroethene	9.09	130	114348	21.636	ug/l	99
45) 1,2-Dichloropropane	9.37	63	148489	22.207	ug/l	99
46) Dibromomethane	9.46	93	60997	20.980	ug/l	99
47) Bromodichloromethane	9.64	83	168318	21.684	ug/l	99
48) Methyl methacrylate	9.43	41	72666	19.392	ug/l	100
49) 1,4-Dioxane	9.45	88	17389	390.645	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	417851	94.767	ug/l	97
52) Toluene	10.38	92	318641	22.340	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	156634	20.511	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	198950	21.387	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	84586	21.232	ug/l	98
56) Ethyl methacrylate	10.65	69	99557	18.665	ug/l	96
57) 1,3-Dichloropropane	10.93	76	160235	21.126	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	296783	98.399	ug/l	100
59) 2-Hexanone	10.97	43	265365	90.464	ug/l	98
60) Dibromochloromethane	11.13	129	85177	20.701	ug/l	100
61) 1,2-Dibromoethane	11.23	107	72088	20.411	ug/l	99
64) Tetrachloroethene	10.86	164	84262	21.133	ug/l	94
65) Chlorobenzene	11.66	112	303256	21.868	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	98469	21.323	ug/l	99
67) Ethyl Benzene	11.73	91	596159	22.092	ug/l	99
68) m/p-Xylenes	11.83	106	423691	44.413	ug/l	99
69) o-Xylene	12.16	106	183527	21.356	ug/l	95
70) Styrene	12.18	104	321408	21.828	ug/l	100
71) Bromoform	12.35	173	40136	19.584	ug/l #	100
73) Isopropylbenzene	12.46	105	528065	22.187	ug/l	100
74) N-amyl acetate	12.27	43	141678	19.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	99106	20.506	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	131274	37.279	ug/l #	100
77) Bromobenzene	12.74	156	102435	21.775	ug/l	99
78) n-propylbenzene	12.80	91	711157	22.992	ug/l	100
79) 2-Chlorotoluene	12.89	91	391188	22.494	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	463303	22.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29338	18.818	ug/l	90
82) 4-Chlorotoluene	12.99	91	416138	22.469	ug/l	99
83) tert-Butylbenzene	13.21	119	370121	22.325	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	466938	22.820	ug/l	99
85) sec-Butylbenzene	13.38	105	567967	22.637	ug/l	100
86) p-Isopropyltoluene	13.50	119	485324	22.503	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	217212	21.792	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	212103	21.611	ug/l	98
89) n-Butylbenzene	13.82	91	526980	22.657	ug/l	99
90) Hexachloroethane	14.09	117	92100	21.293	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	187948	21.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	15713	20.246	ug/l	91

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Quant Title : SW846 8260
QLast Update : Mon Mar 09 18:51:48 2020
Response via : Initial Calibration

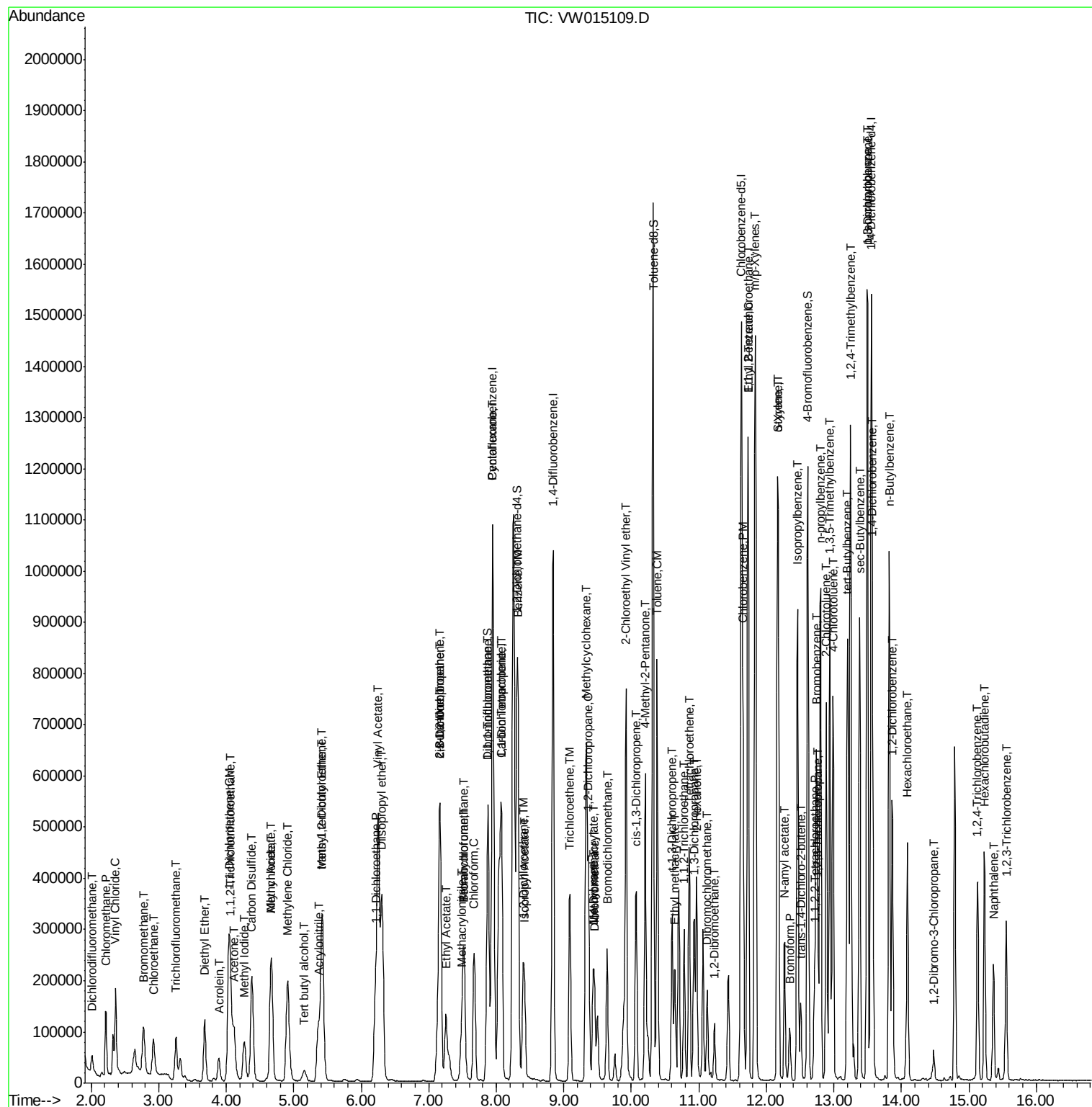
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	106453	21.310	ug/l	98
94) Hexachlorobutadiene	15.23	225	68216	21.749	ug/l	98
95) Naphthalene	15.36	128	170625	17.760	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	90109	20.337	ug/l	99

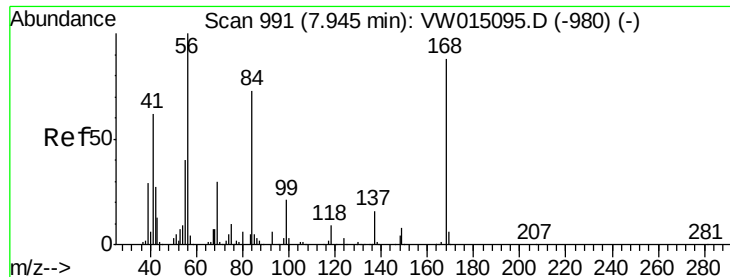
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015109.D
 Acq On : 10 Mar 2020 13:17
 Operator : SY/VA
 Sample : VW0310SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :

Quant Time: Mar 11 09:03:35 2020
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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: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

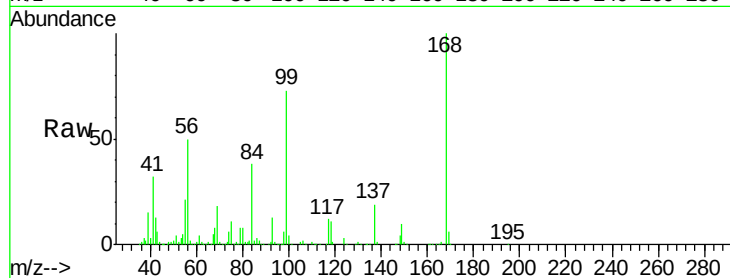
ClientSampleId :

Tot Ion:168 Resp: 410448

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

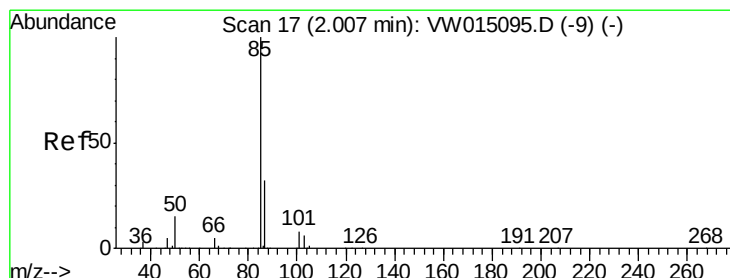
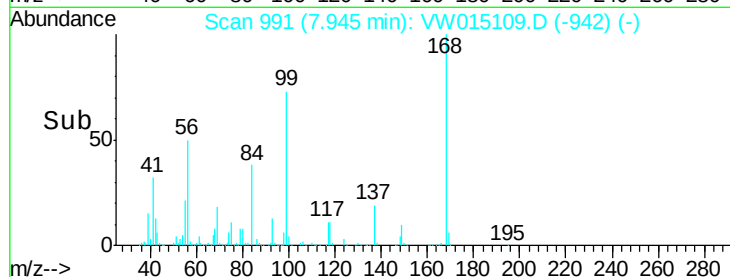
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.106 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015109.D

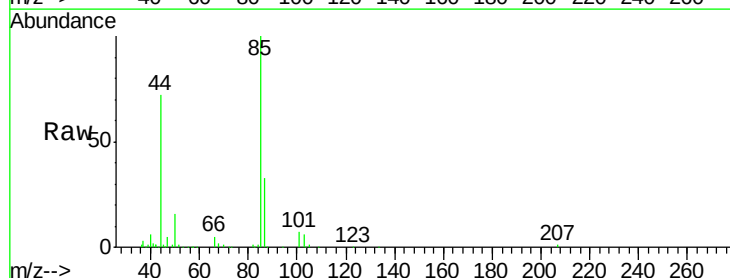
Acq: 10 Mar 2020 13:17

Tgt Ion: 85 Resp: 52528

Ion Ratio Lower Upper

85 100

87 32.6 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

20000

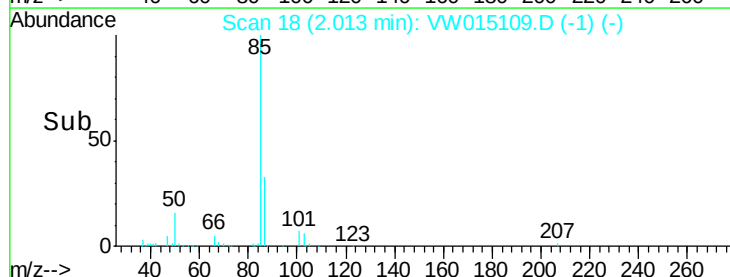
15000

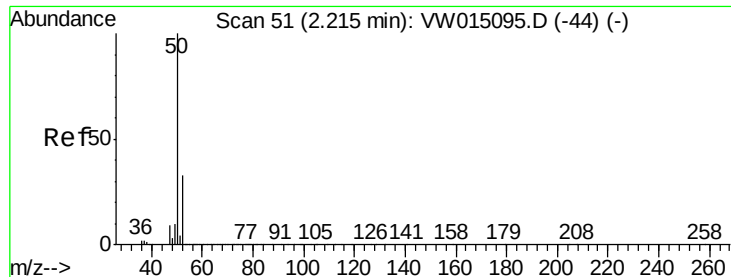
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.040 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

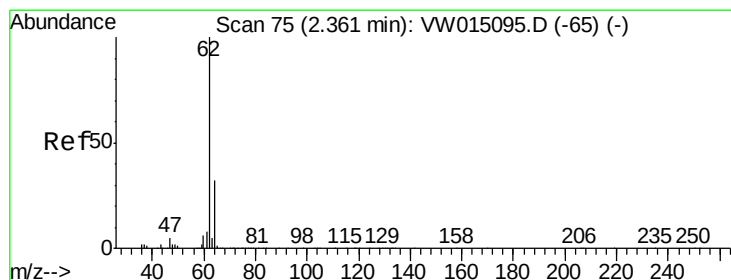
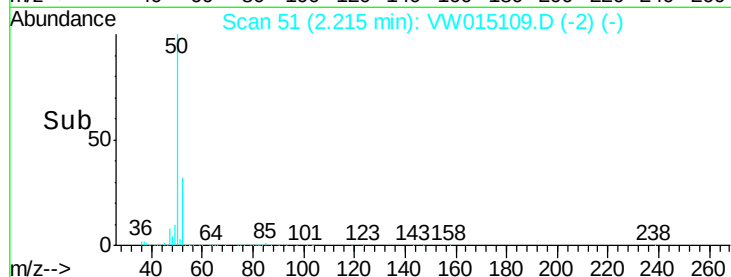
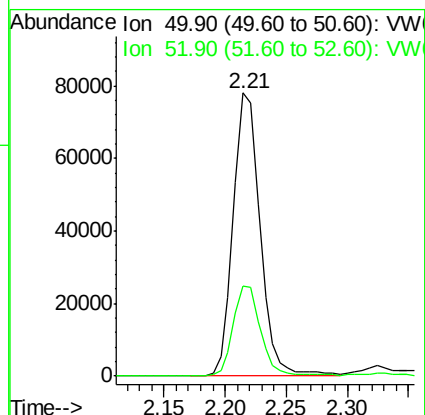
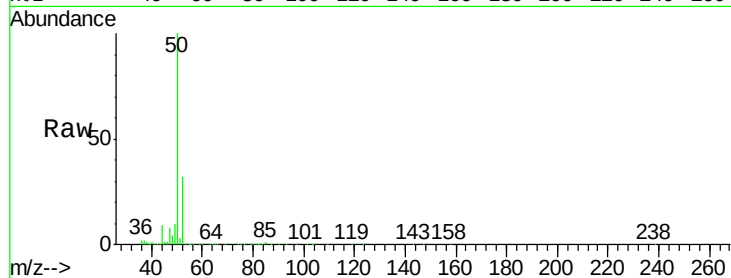
ClientSampleId :

Tot Ion: 50 Resp: 117713

Ion Ratio Lower Upper

50 100

52 32.0 26.6 40.0



#4

Vinyl Chloride

Concen: 22.160 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015109.D

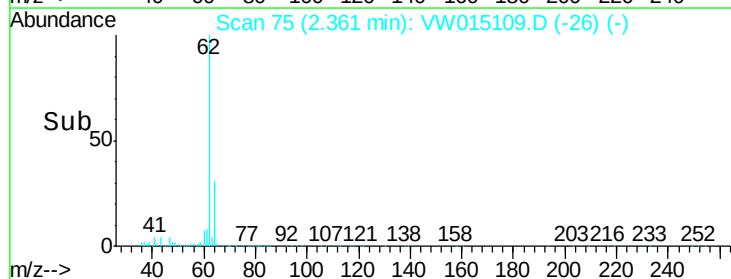
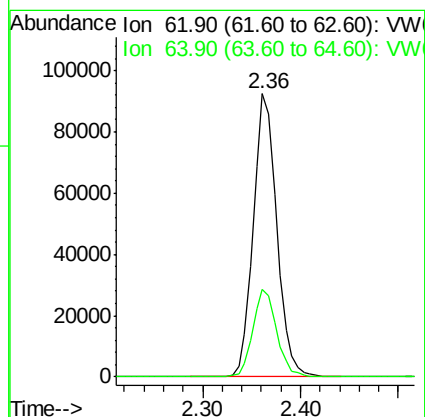
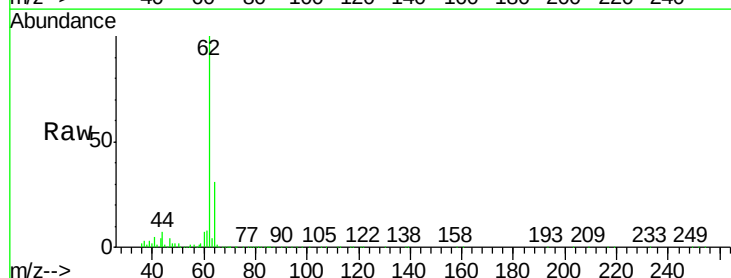
Acq: 10 Mar 2020 13:17

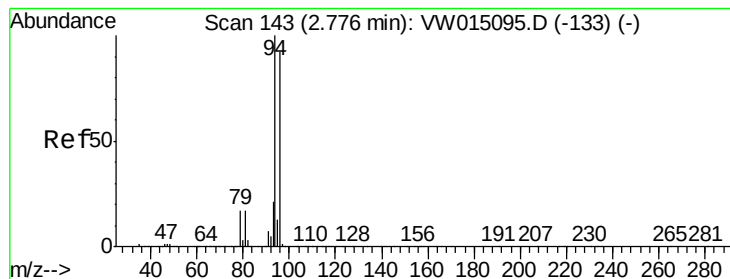
Tgt Ion: 62 Resp: 154942

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 21.501 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

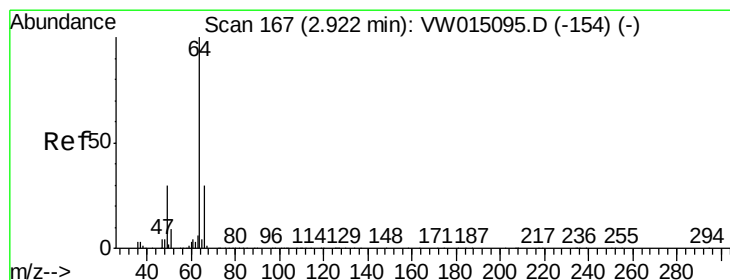
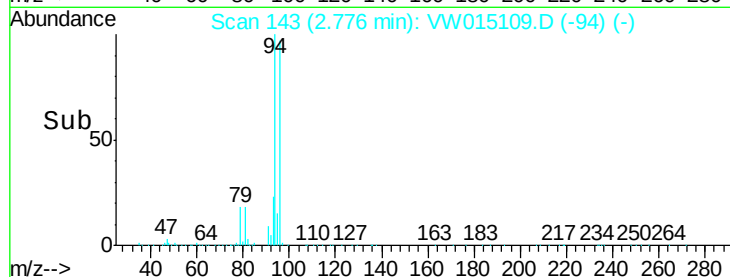
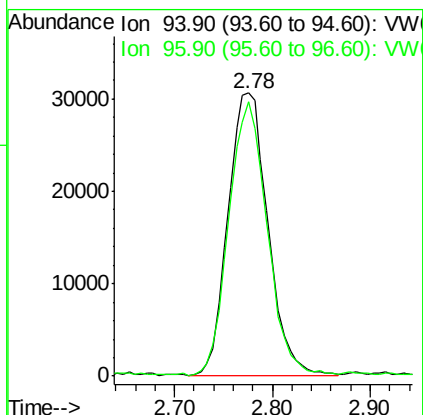
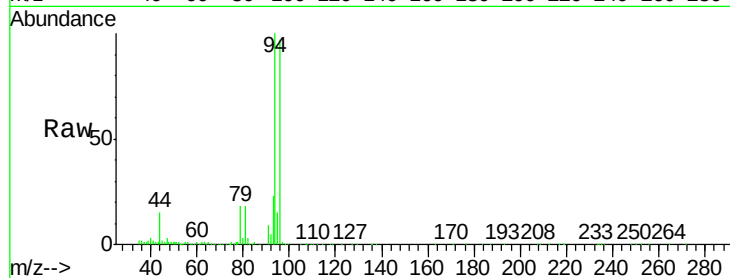
ClientSampled :

Tot Ion: 94 Resp: 85934

Ion Ratio Lower Upper

94 100

96 97.2 74.0 111.0



#6

Chloroethane

Concen: 21.694 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015109.D

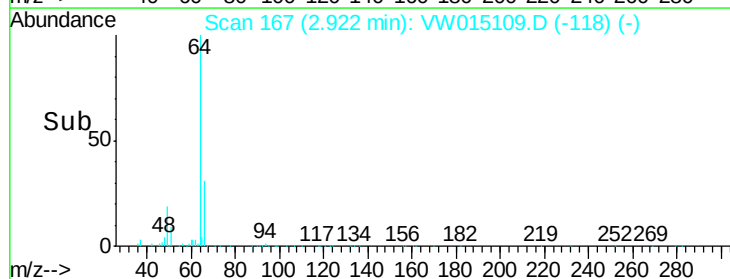
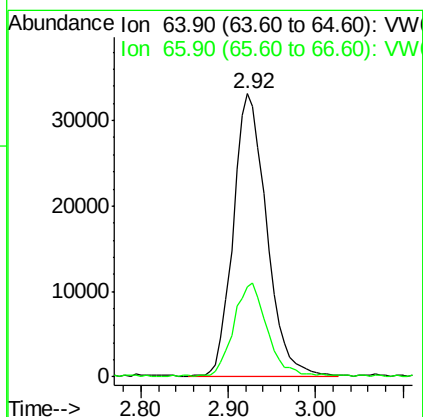
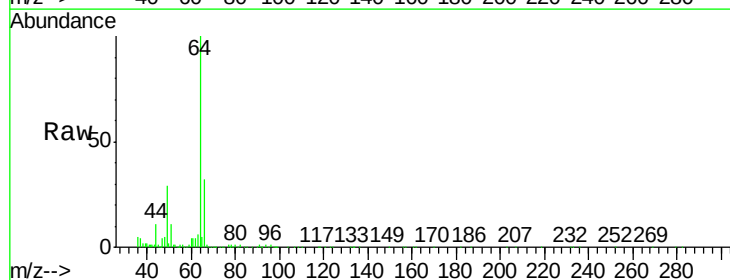
Acq: 10 Mar 2020 13:17

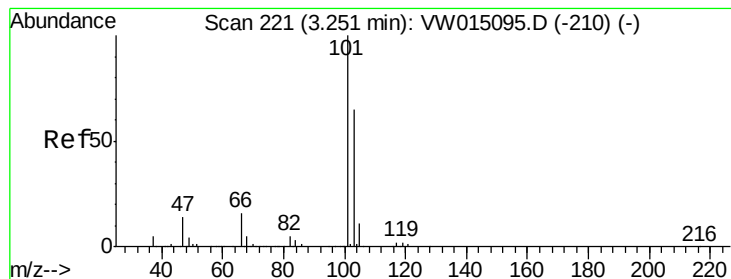
Tgt Ion: 64 Resp: 87860

Ion Ratio Lower Upper

64 100

66 31.4 24.2 36.2



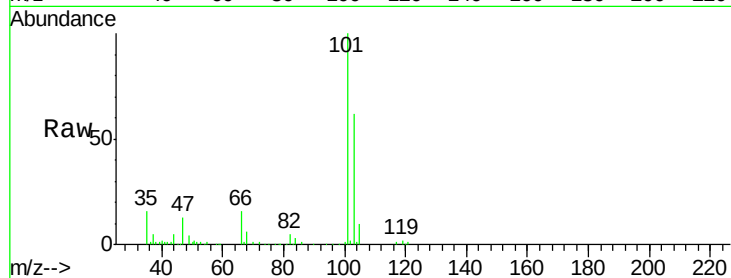


#7

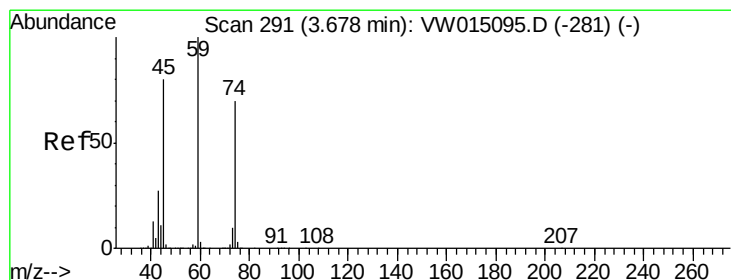
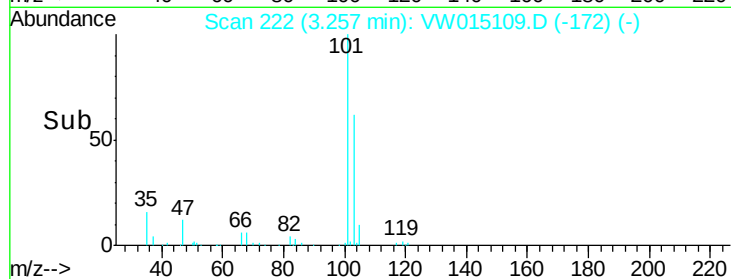
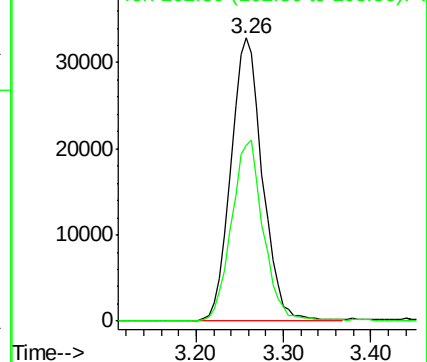
Trichlorofluoromethane
Concen: 23.686 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 82878
Ion Ratio Lower Upper
101 100
103 61.8 51.8 77.6



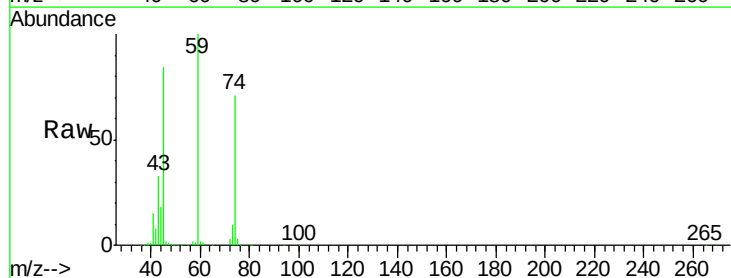
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



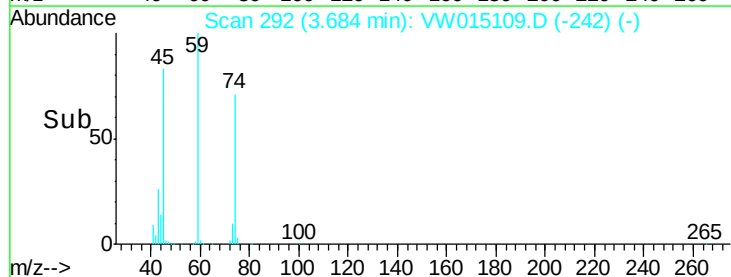
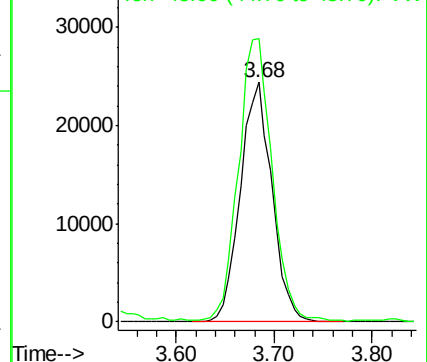
#8

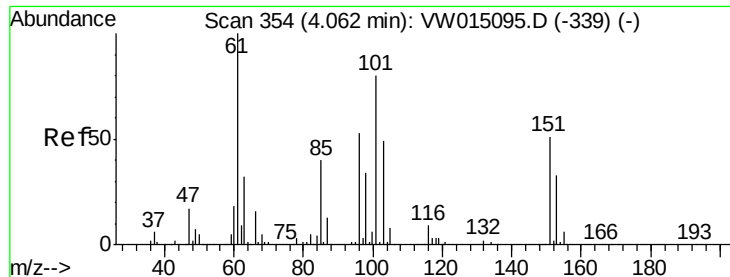
Diethyl Ether
Concen: 20.500 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion: 74 Resp: 54657
Ion Ratio Lower Upper
74 100
45 124.8 59.2 177.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.152 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

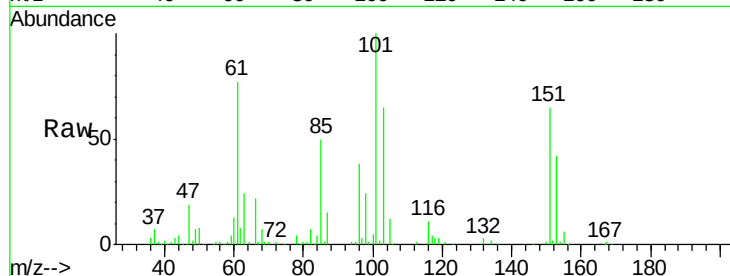
Tot Ion:101 Resp: 118156

Ion Ratio Lower Upper

101 100

85 47.9 39.0 58.4

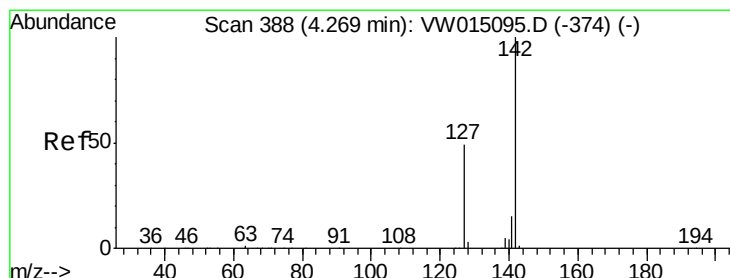
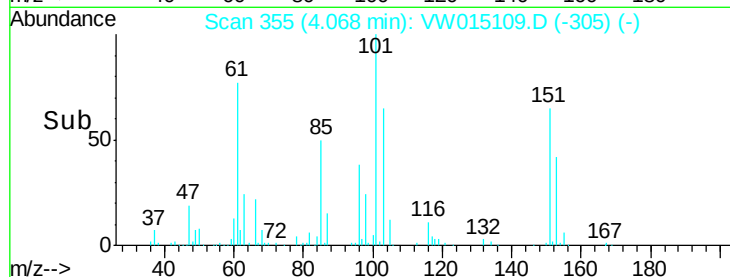
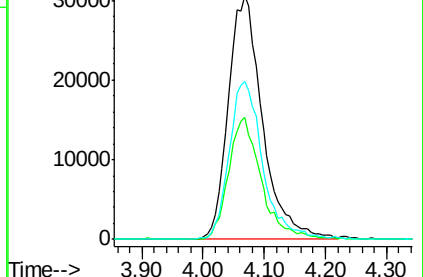
151 63.5 50.8 76.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.302 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

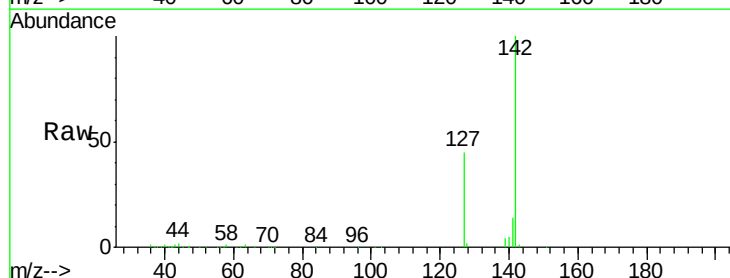
Tgt Ion:142 Resp: 132343

Ion Ratio Lower Upper

142 100

127 48.7 38.2 57.4

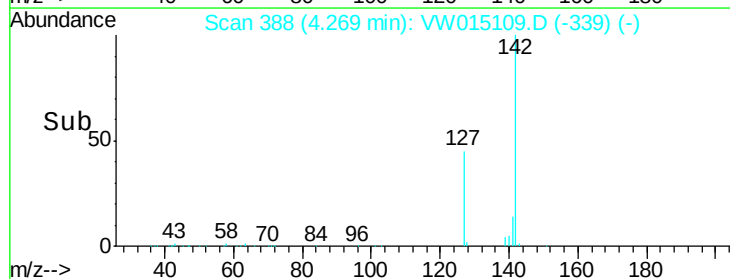
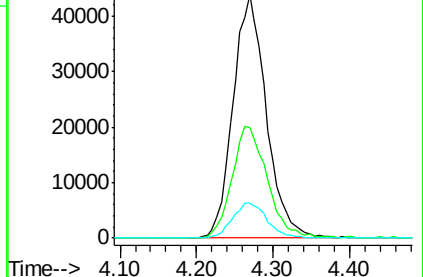
141 15.1 12.0 18.0

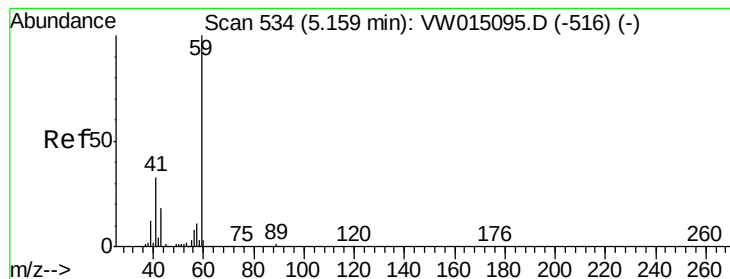


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



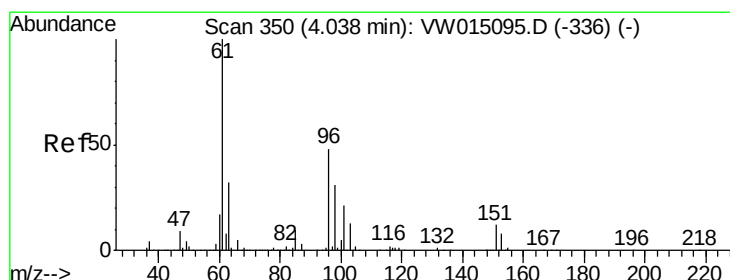
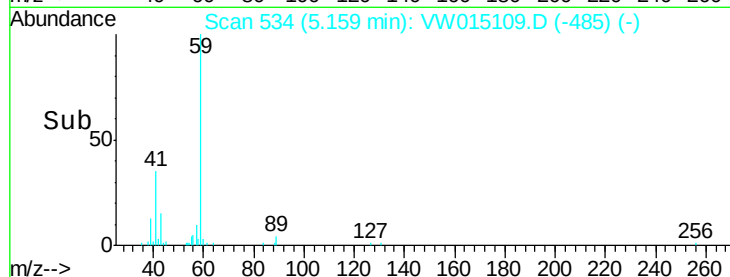
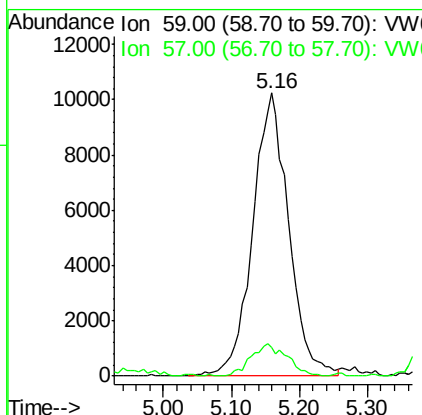
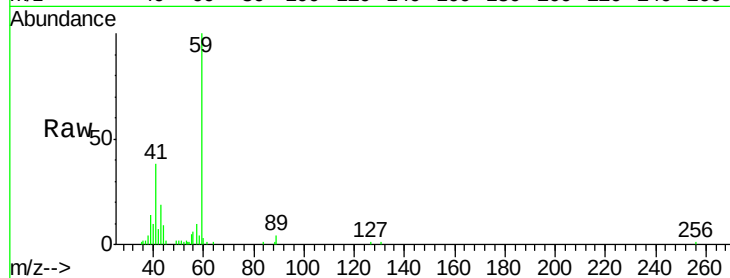


#11

Tert butyl alcohol
 Concen: 108.778 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Instrument :
 MSVOA_W
 ClientSampleId :

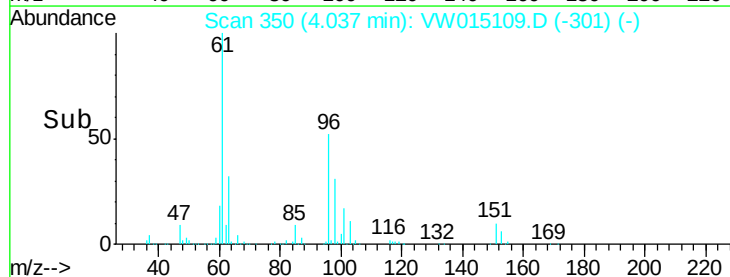
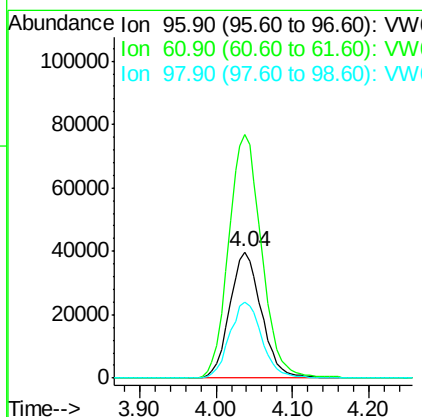
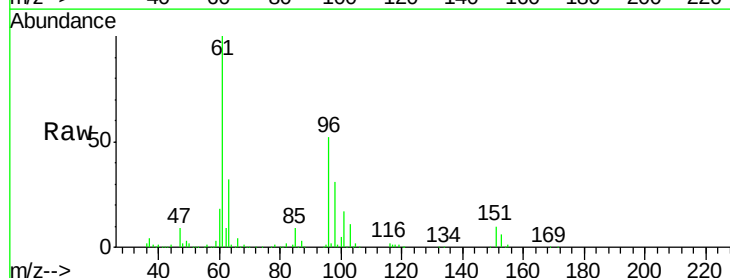
Tot Ion: 59 Resp: 37729
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.1 13.7

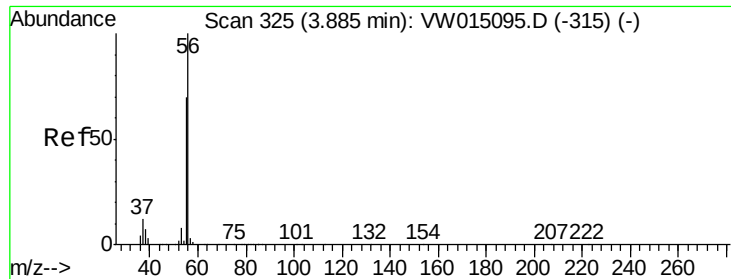


#12

1,1-Dichloroethene
 Concen: 21.858 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 96 Resp: 113988
 Ion Ratio Lower Upper
 96 100
 61 192.6 165.5 248.3
 98 60.2 51.1 76.7

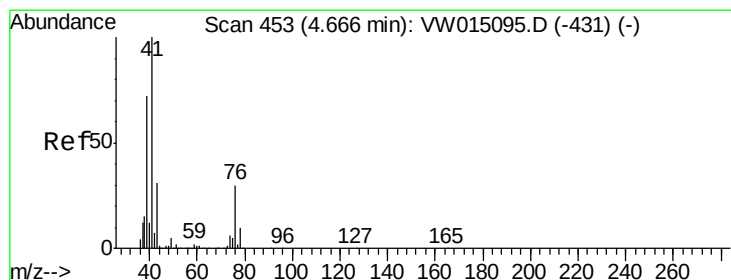
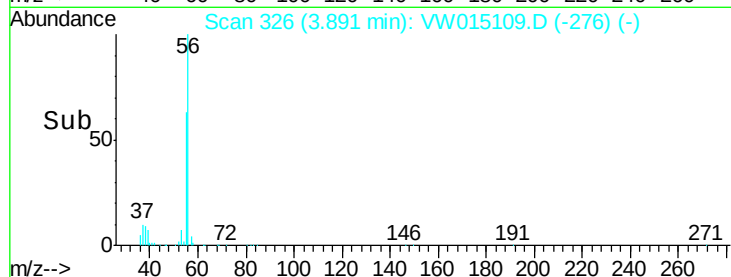
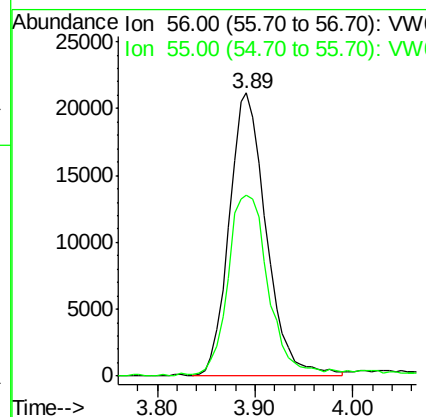
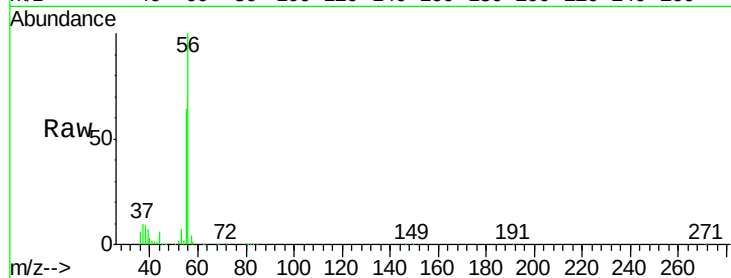




#13
Acrolein
Concen: 109.900 ug/l
RT: 3.89 min Scan# 326
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

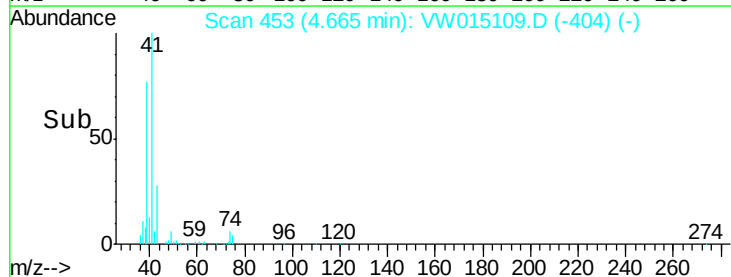
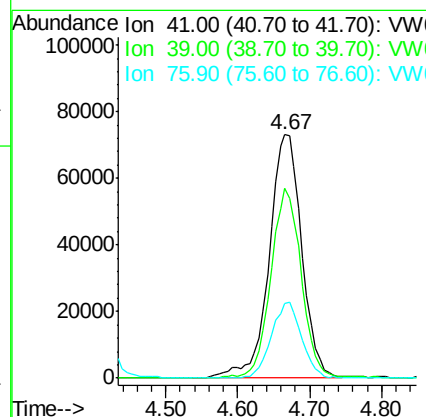
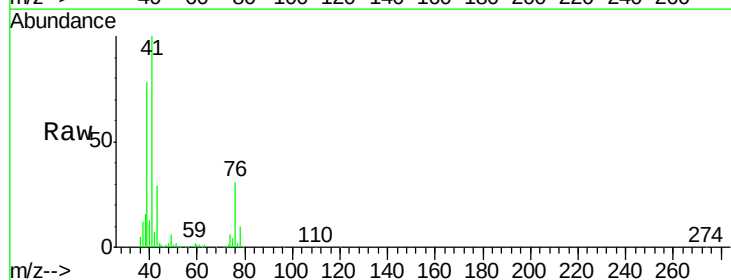
Instrument :
MSVOA_W
ClientSampleId :

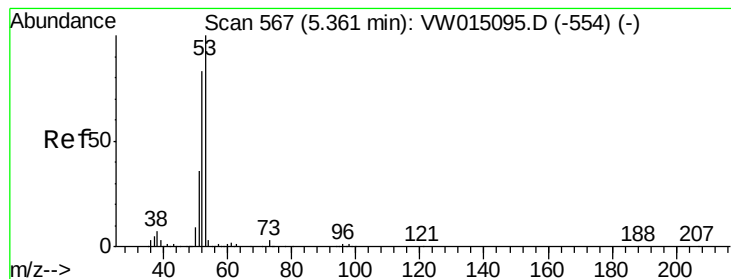
Tot Ion: 56 Resp: 55748
Ion Ratio Lower Upper
56 100
55 67.7 55.4 83.2



#14
Allyl chloride
Concen: 21.822 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion: 41 Resp: 228061
Ion Ratio Lower Upper
41 100
39 73.7 56.9 85.3
76 28.6 23.2 34.8





#15

Acrylonitrile

Concen: 102.255 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampled :

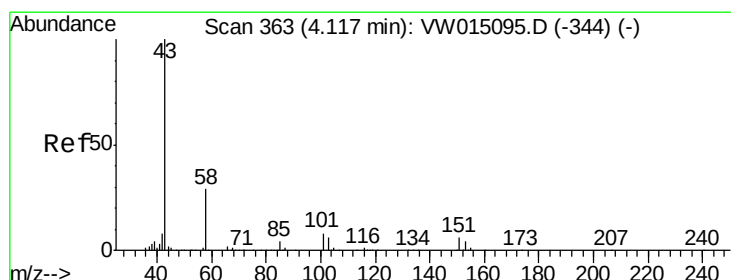
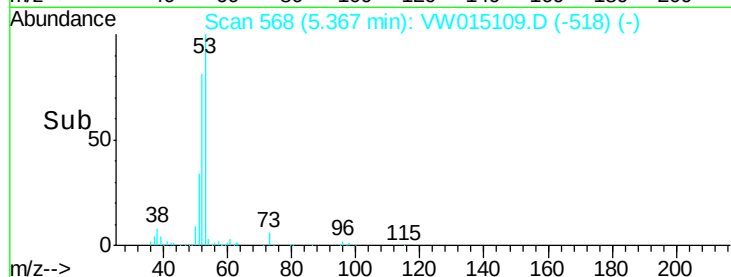
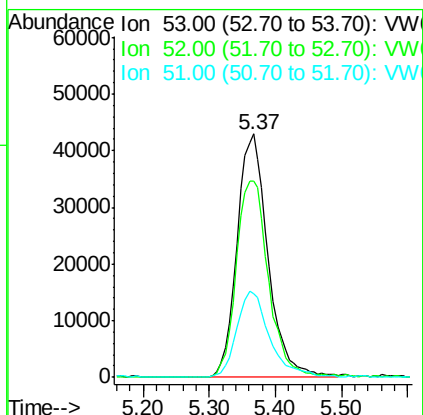
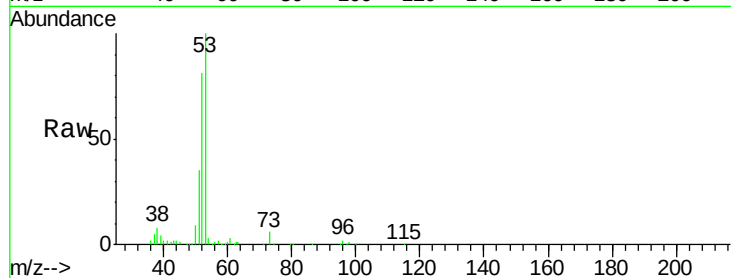
Tot Ion: 53 Resp: 139746

Ion Ratio Lower Upper

53 100

52 84.6 67.2 100.8

51 37.9 29.8 44.6



#16

Acetone

Concen: 96.142 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW015109.D

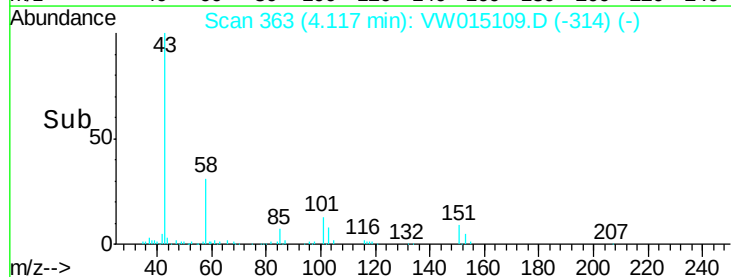
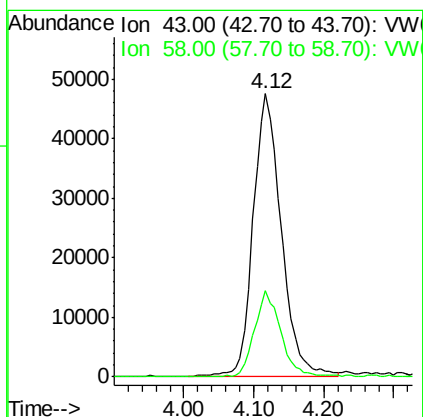
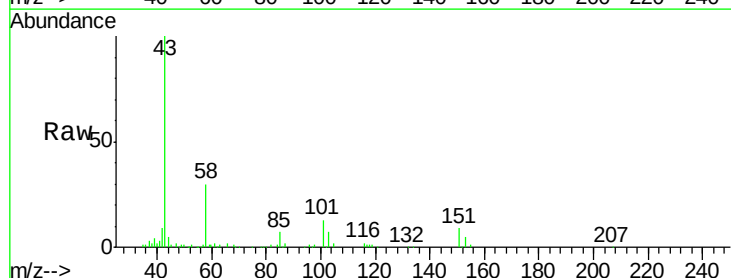
Acq: 10 Mar 2020 13:17

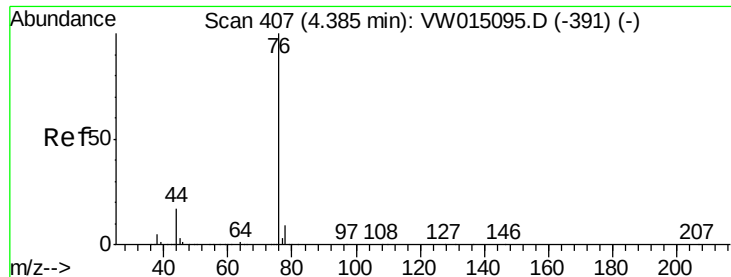
Tgt Ion: 43 Resp: 132327

Ion Ratio Lower Upper

43 100

58 30.2 22.9 34.3





#17

Carbon Disulfide

Concen: 21.934 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

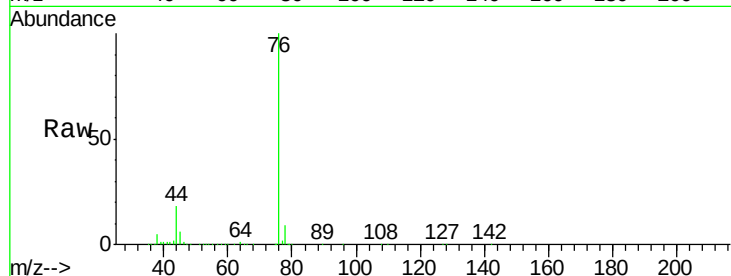
ClientSampled :

Tot Ion: 76 Resp: 405550

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

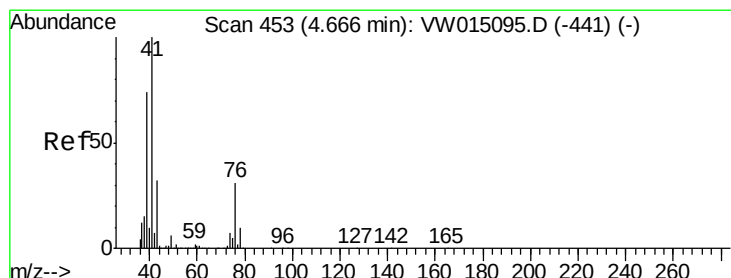
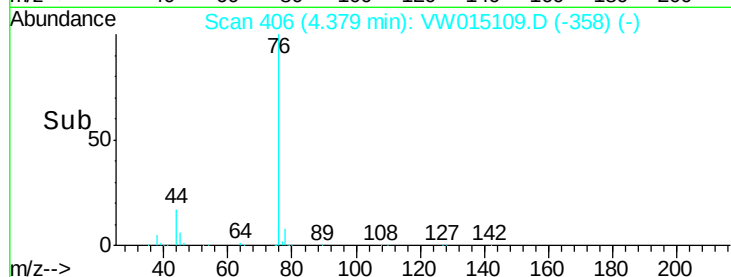
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 20.266 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015109.D

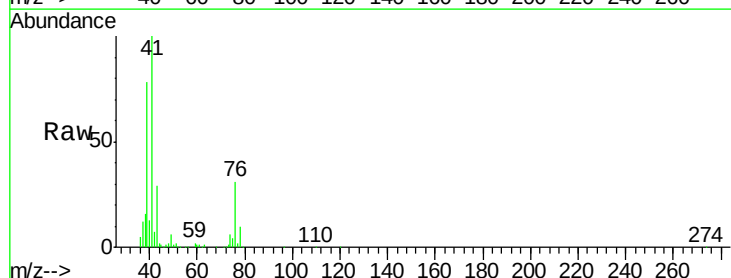
Acq: 10 Mar 2020 13:17

Tgt Ion: 43 Resp: 66123

Ion Ratio Lower Upper

43 100

74 19.8 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

25000

20000

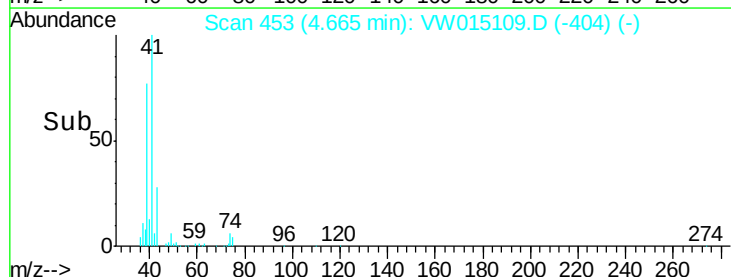
15000

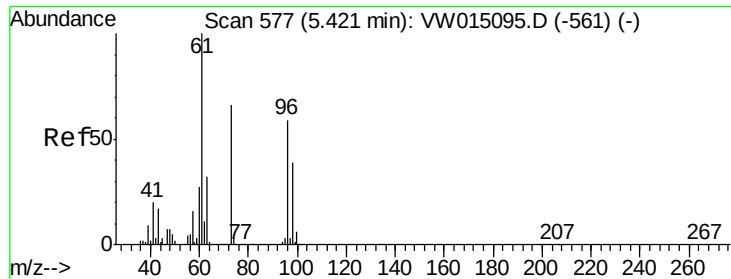
10000

5000

0

Time--> 4.60 4.70 4.80

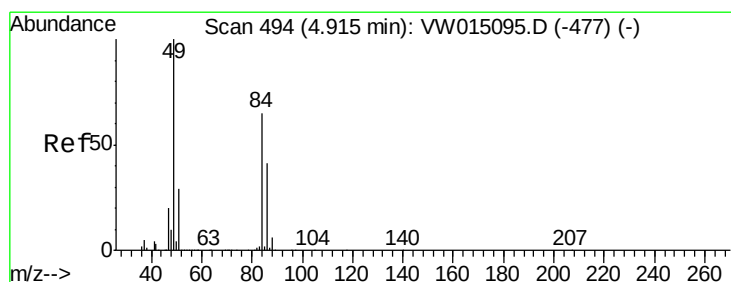
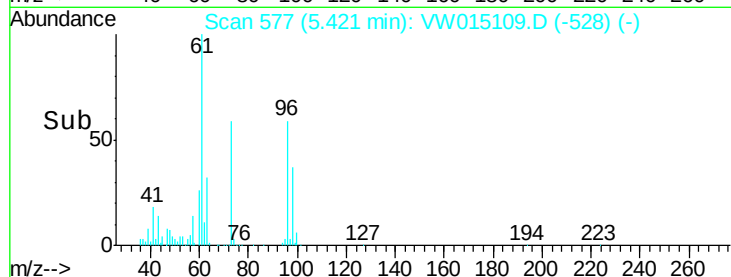
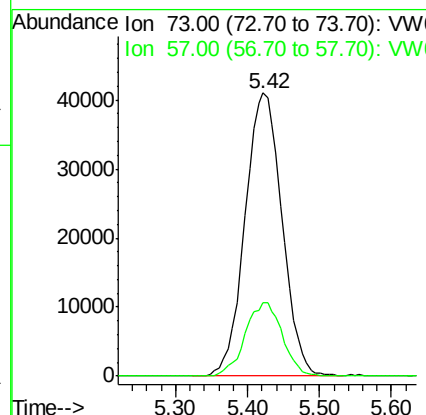
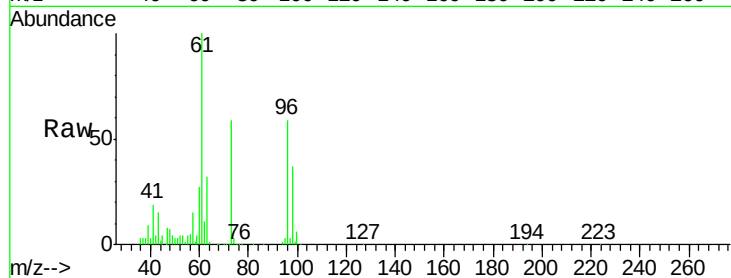




#19
Methyl tert-butyl Ether
Concen: 21.922 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

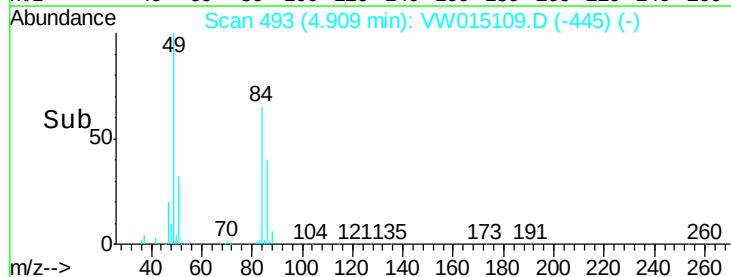
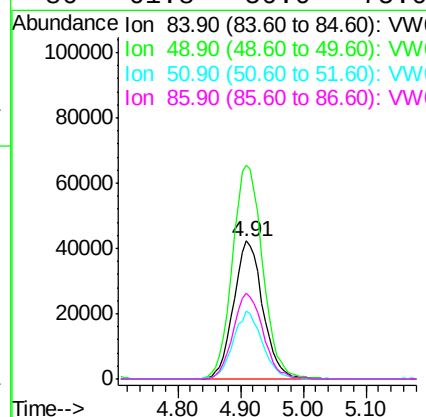
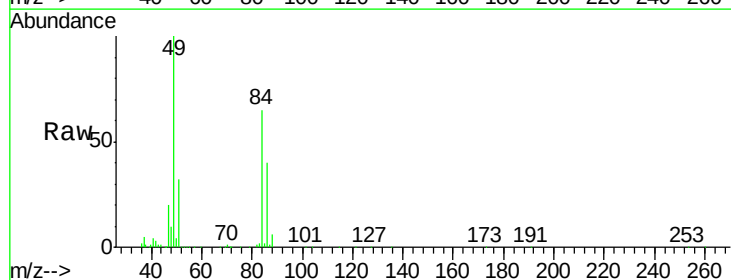
Instrument :
MSVOA_W
ClientSampled :

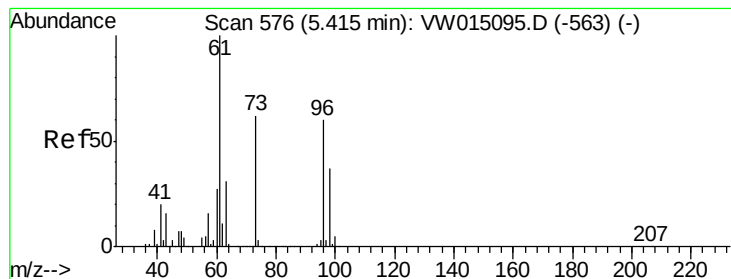
Tot Ion: 73 Resp: 146353
Ion Ratio Lower Upper
73 100
57 25.9 19.3 28.9



#20
Methylene Chloride
Concen: 22.216 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion: 84 Resp: 136996
Ion Ratio Lower Upper
84 100
49 154.6 122.8 184.2
51 49.3 35.9 53.9
86 61.8 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 22.280 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampled :

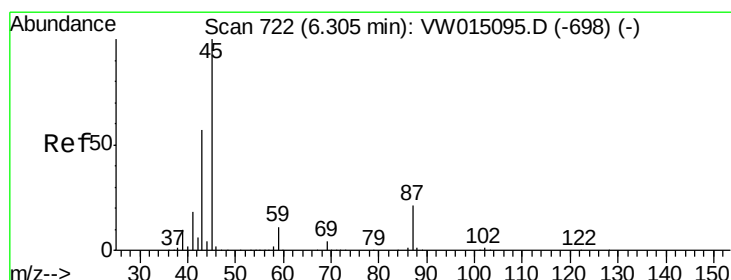
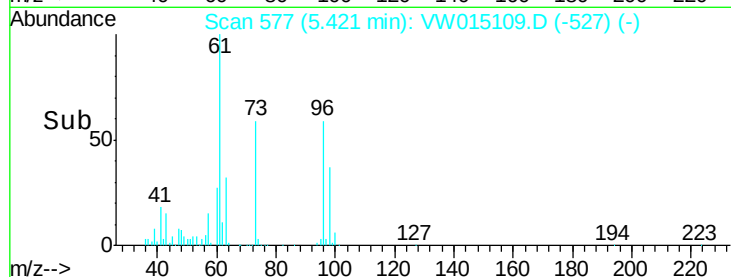
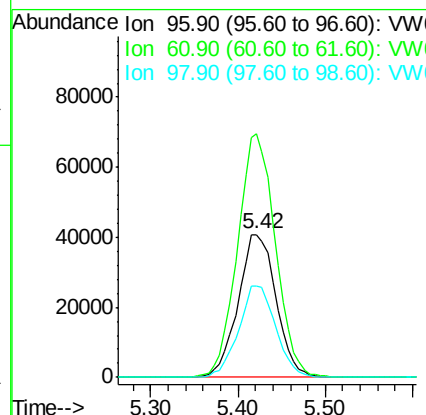
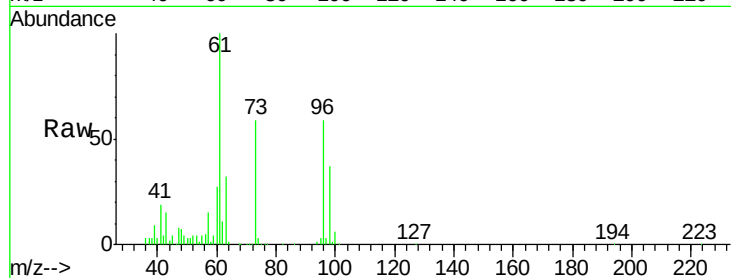
Tot Ion: 96 Resp: 123365

Ion Ratio Lower Upper

96 100

61 169.9 132.5 198.7

98 63.3 48.9 73.3



#22

Diisopropyl ether

Concen: 23.346 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Tgt Ion: 45 Resp: 468160

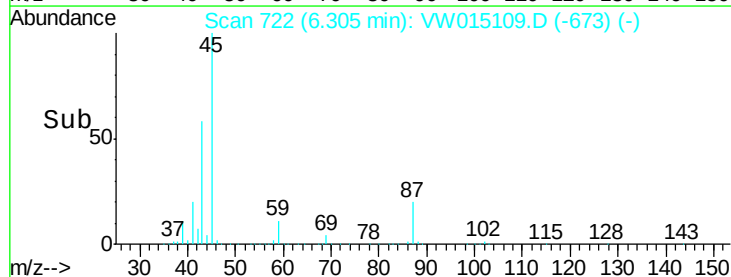
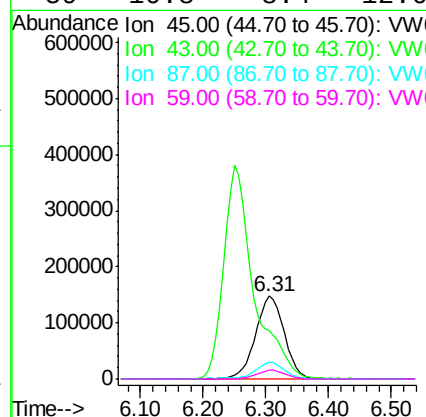
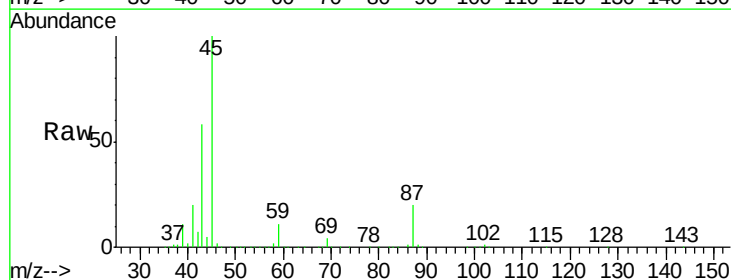
Ion Ratio Lower Upper

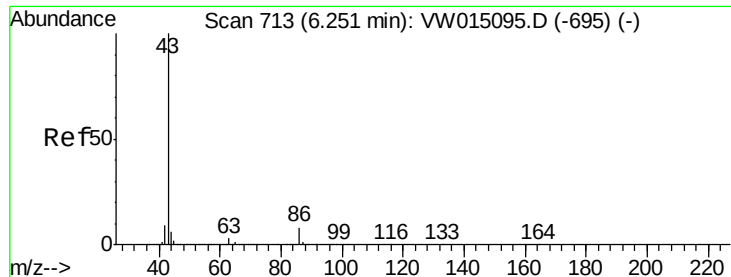
45 100

43 58.0 45.4 68.0

87 19.7 16.4 24.6

59 10.8 8.4 12.6





#23

Vinyl Acetate

Concen: 106.290 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

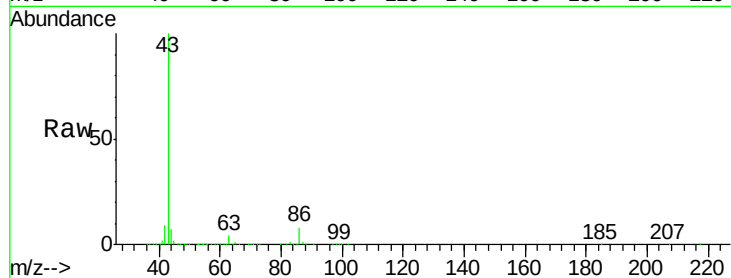
ClientSampleId :

Tot Ion: 43 Resp: 1258217

Ion Ratio Lower Upper

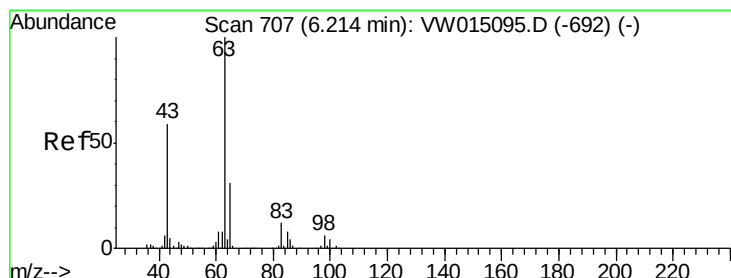
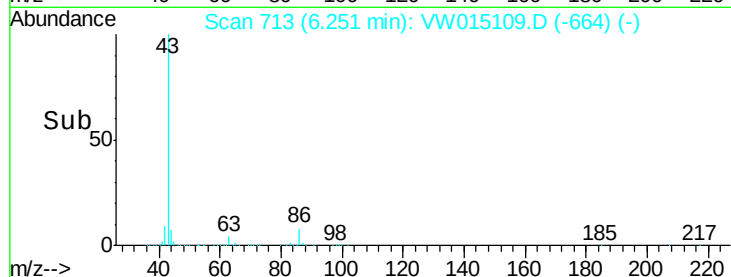
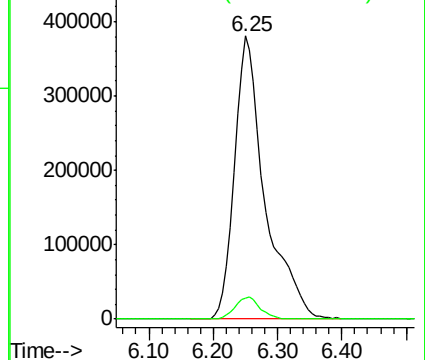
43 100

86 7.5 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.308 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

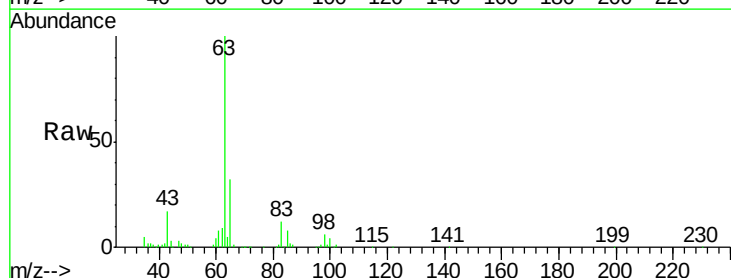
Tgt Ion: 63 Resp: 260866

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

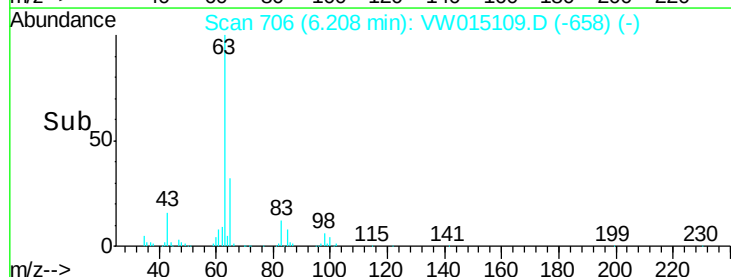
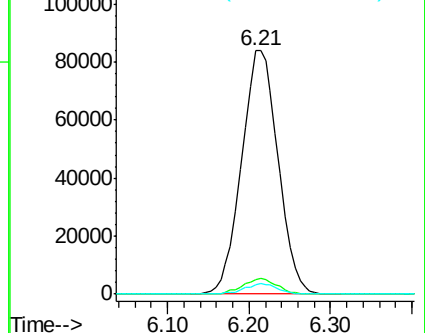
100 4.0 2.1 6.3

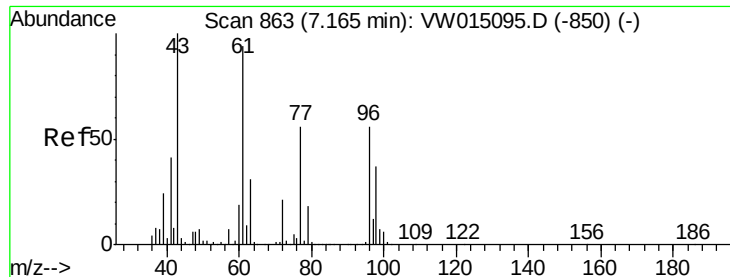


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 99.361 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

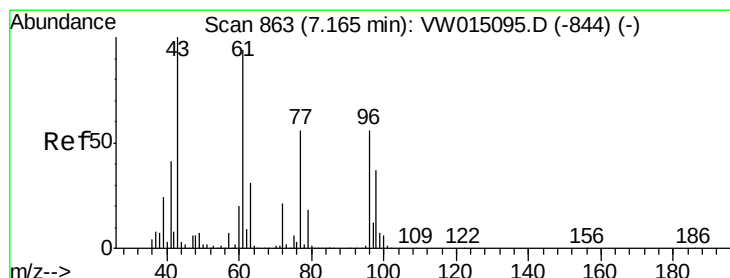
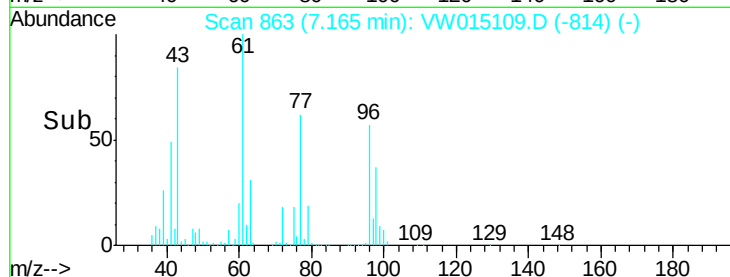
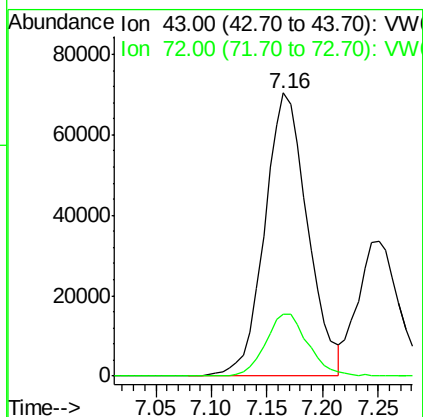
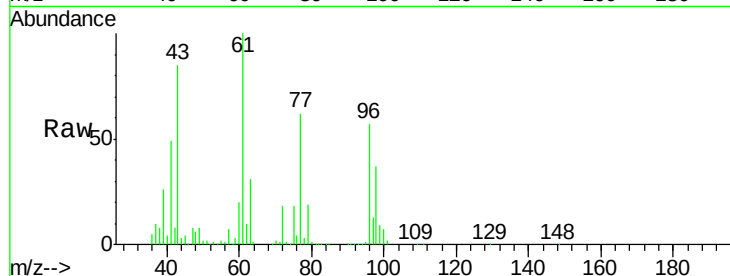
ClientSampled :

Tot Ion: 43 Resp: 187480

Ion Ratio Lower Upper

43 100

72 21.7 17.0 25.6



#26

2,2-Dichloropropane

Concen: 23.028 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015109.D

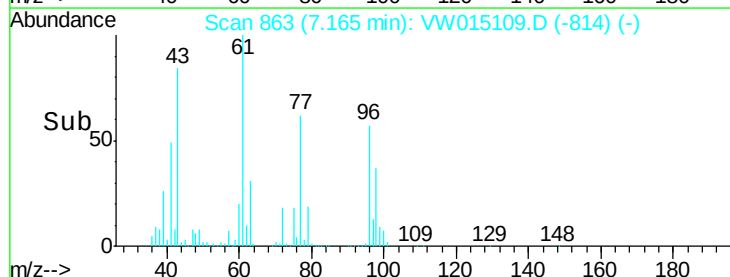
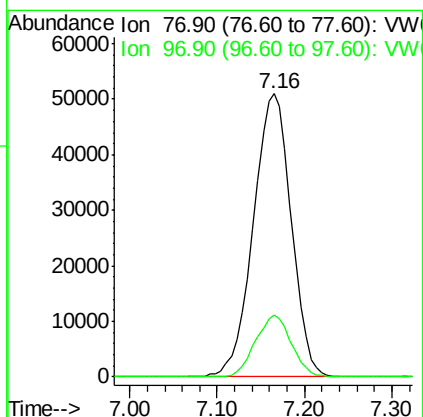
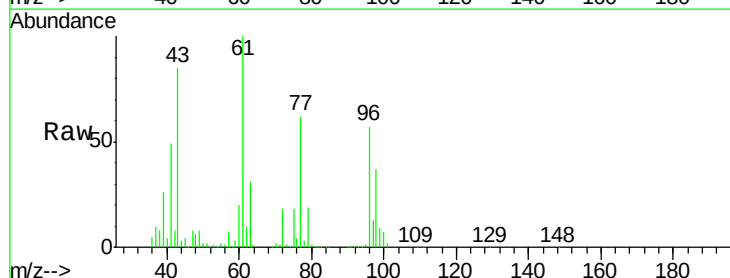
Acq: 10 Mar 2020 13:17

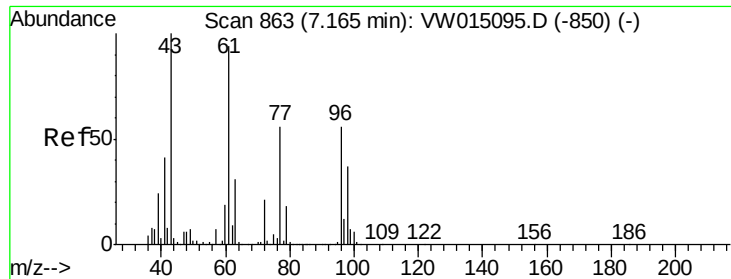
Tgt Ion: 77 Resp: 154013

Ion Ratio Lower Upper

77 100

97 20.8 10.6 31.8



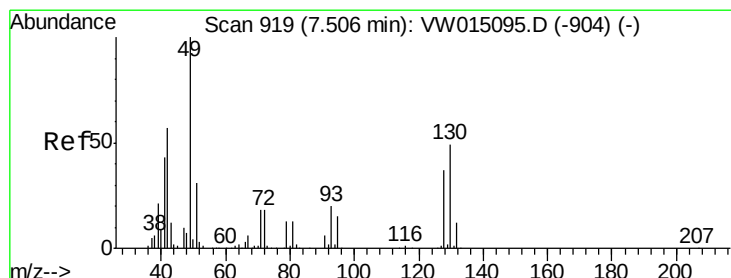
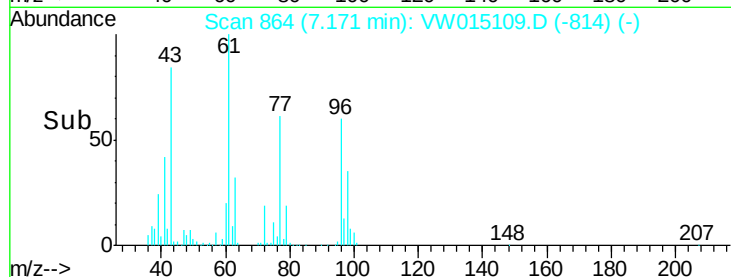
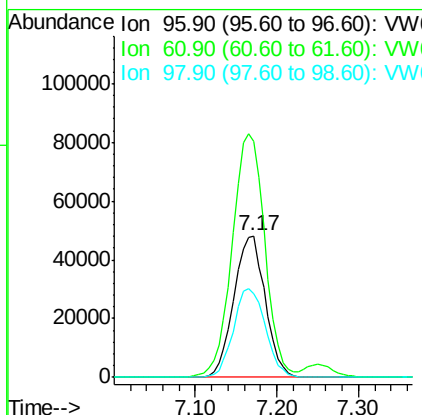
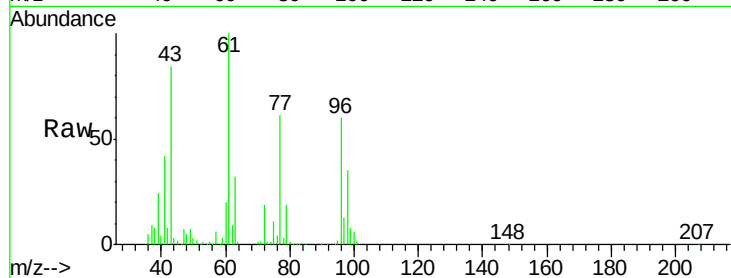


#27

cis-1,2-Dichloroethene
 Concen: 22.223 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Instrument :
 MSVOA_W
 ClientSampled :

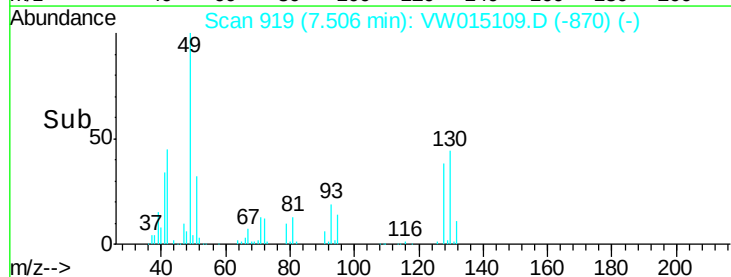
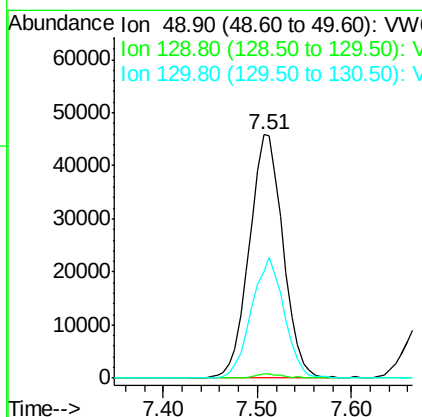
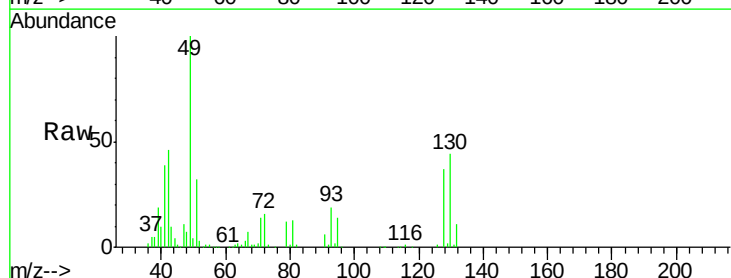
Tot Ion	Ratio	Lower	Upper
96	100		
61	177.9	0.0	343.4
98	63.8	0.0	127.6

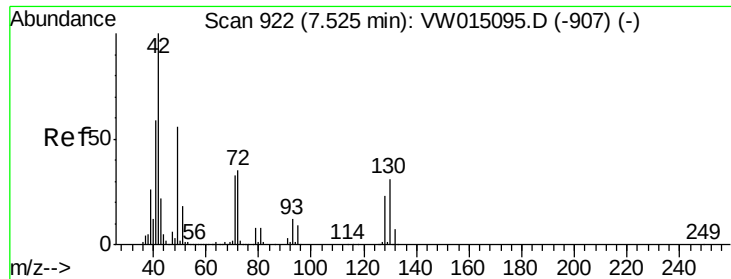


#28

Bromochloromethane
 Concen: 20.586 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	48.1	39.8	59.6

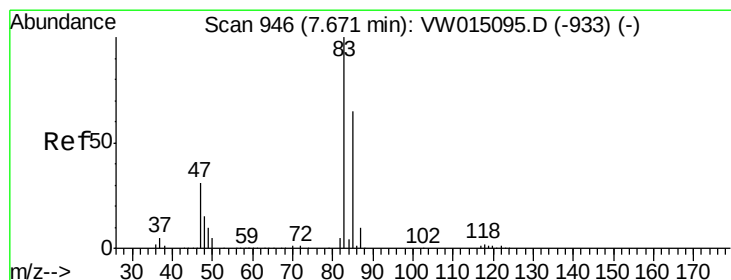
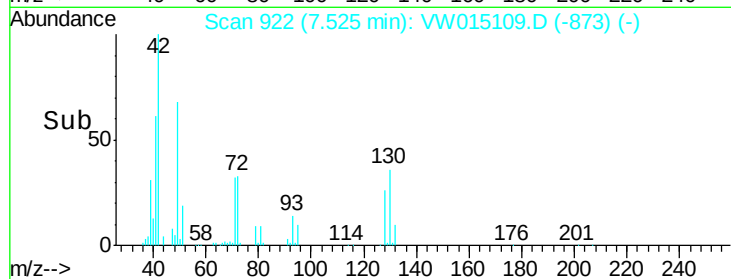
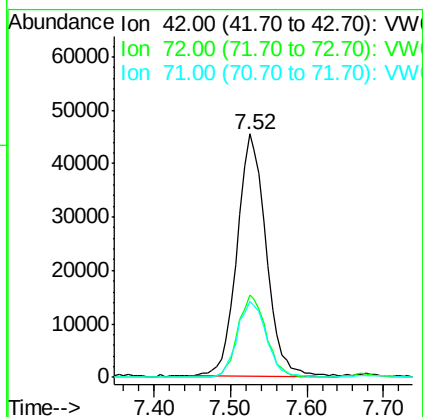
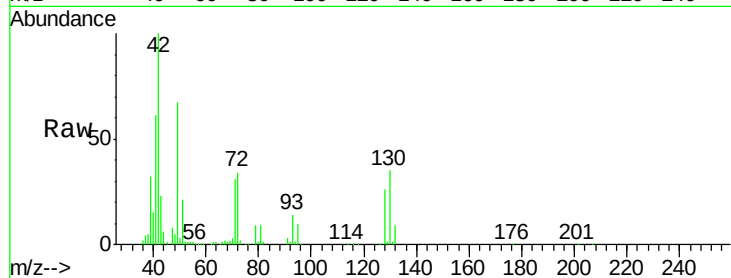




#29
Tetrahydrofuran
Concen: 100.858 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

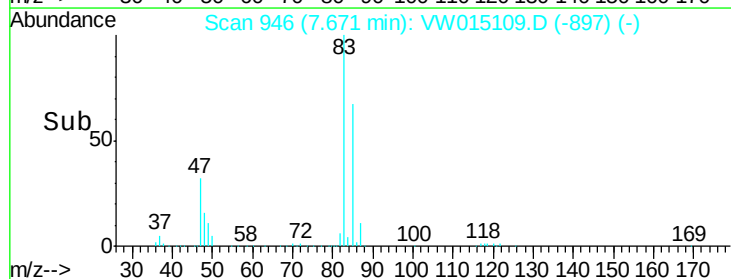
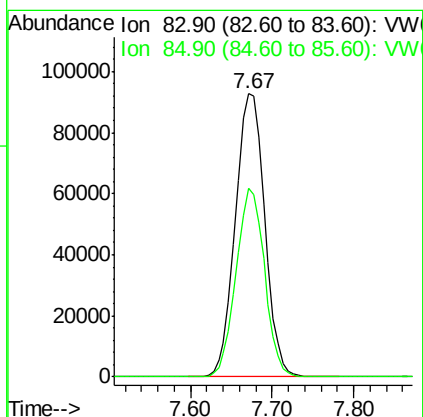
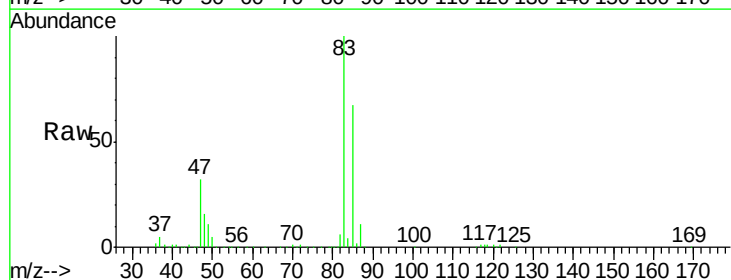
Instrument :
MSVOA_W
ClientSampled :

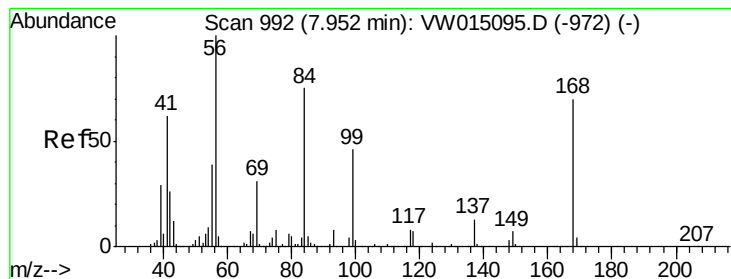
Tot Ion: 42 Resp: 119035
Ion Ratio Lower Upper
42 100
72 33.0 27.8 41.6
71 31.4 26.4 39.6



#30
Chloroform
Concen: 22.289 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion: 83 Resp: 231302
Ion Ratio Lower Upper
83 100
85 66.7 51.9 77.9





#31

Cyclohexane

Concen: 22.148 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampled :

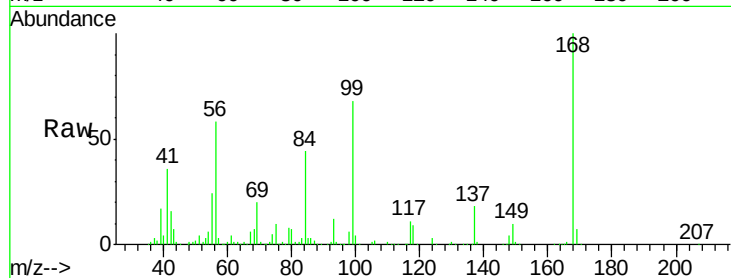
Tot Ion: 56 Resp: 266372

Ion Ratio Lower Upper

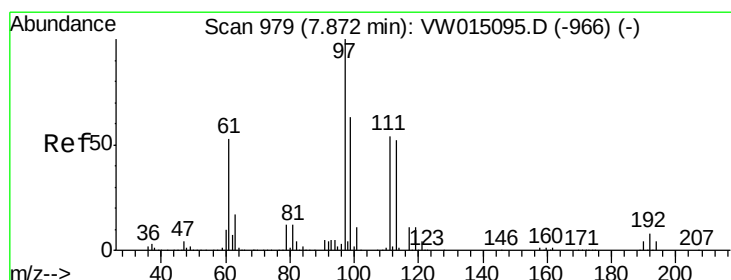
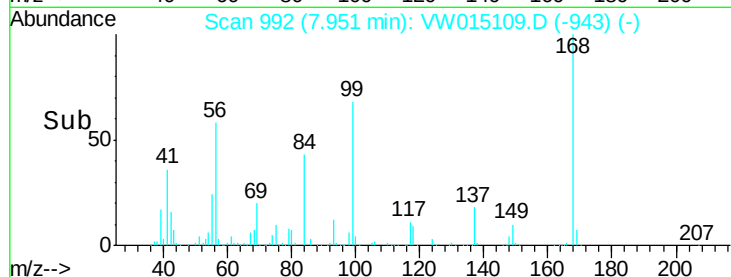
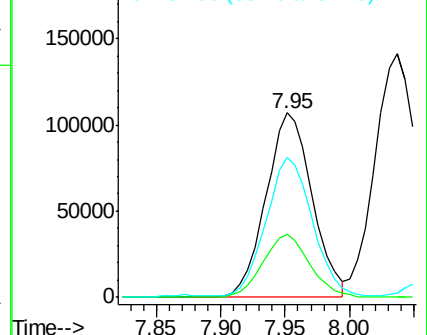
56 100

69 33.9 24.6 37.0

84 74.5 59.9 89.9



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



#32

1,1,1-Trichloroethane

Concen: 22.754 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

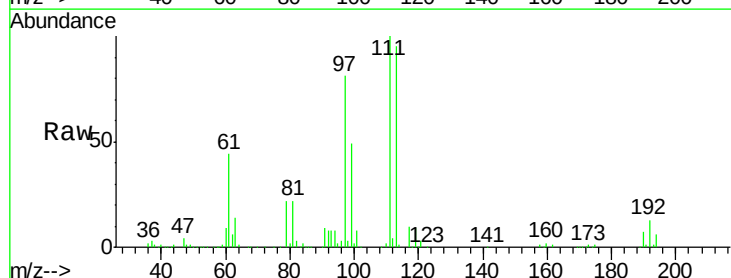
Tgt Ion: 97 Resp: 184371

Ion Ratio Lower Upper

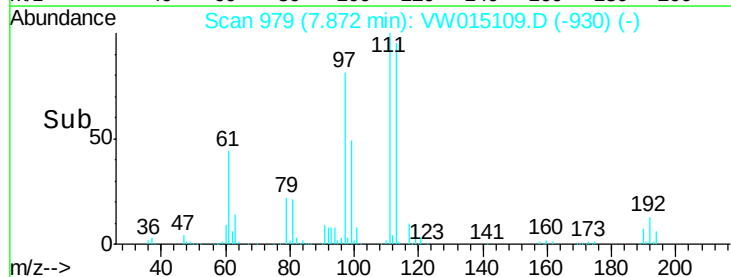
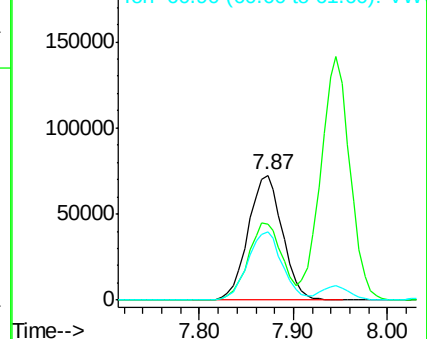
97 100

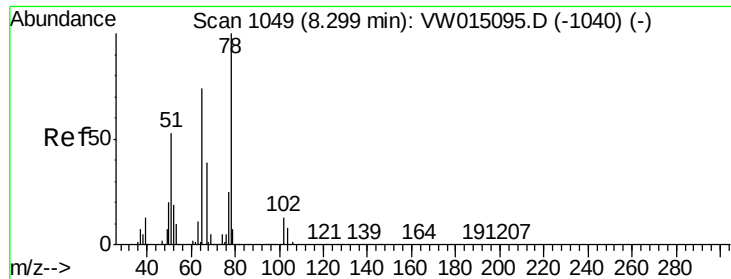
99 61.1 51.3 76.9

61 55.0 44.0 66.0



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

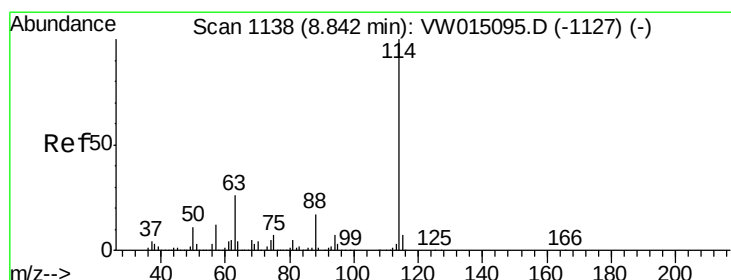
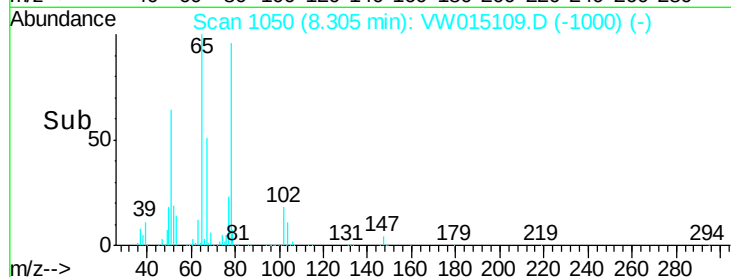
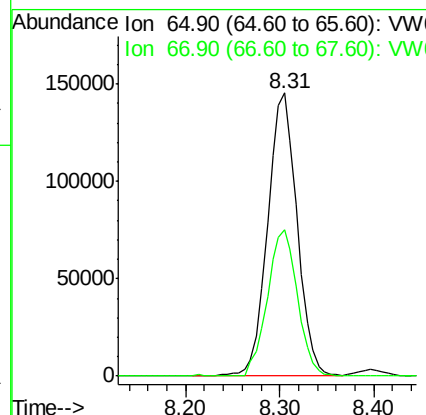
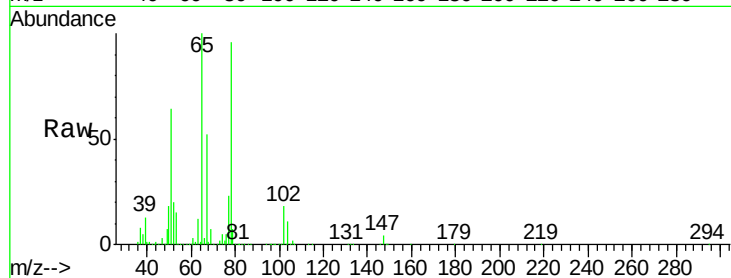




#33
 1,2-Dichloroethane-d4
 Concen: 52.779 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

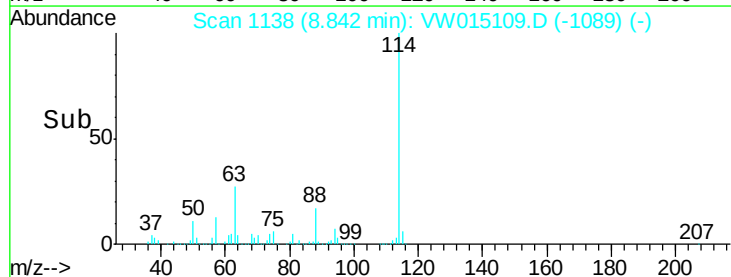
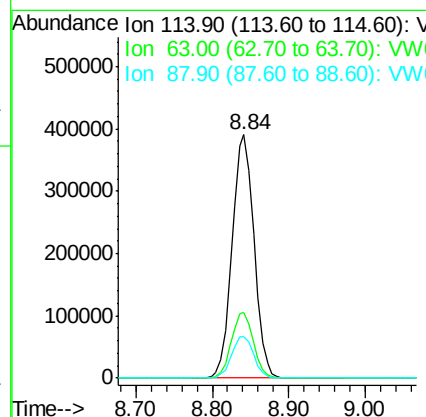
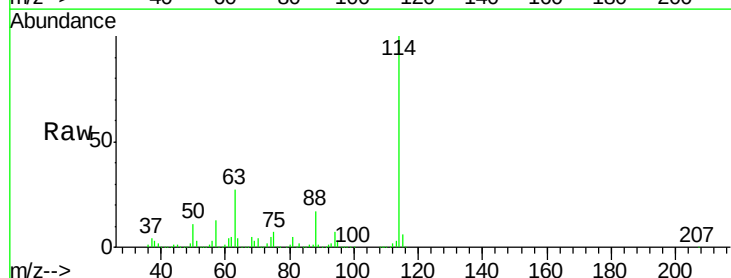
Instrument :
 MSVOA_W
 ClientSampleId :

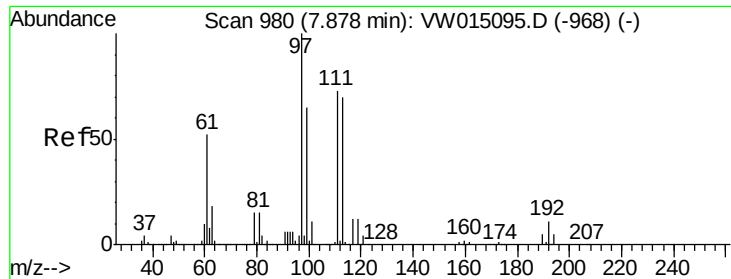
Tot Ion: 65 Resp: 318530
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 114 Resp: 770405
 Ion Ratio Lower Upper
 114 100
 63 27.1 0.0 52.0
 88 17.1 0.0 34.2

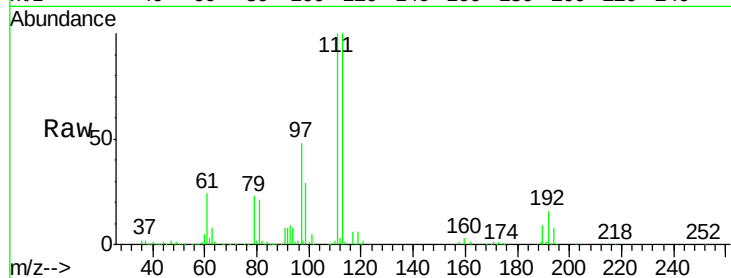




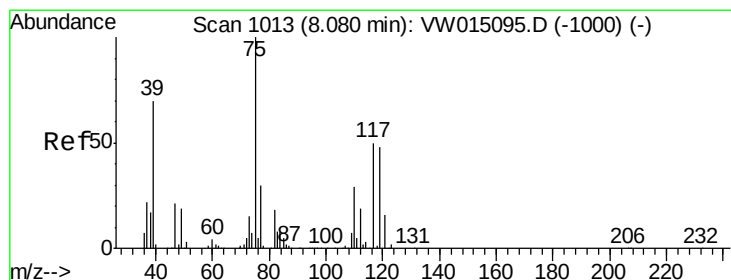
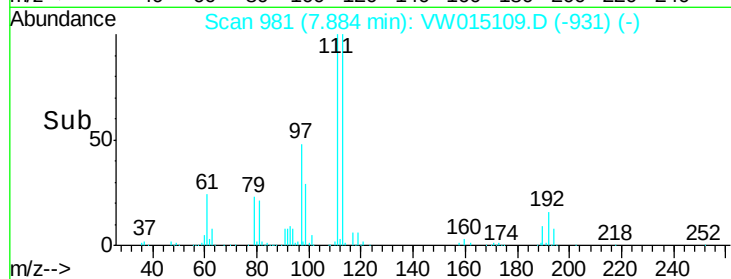
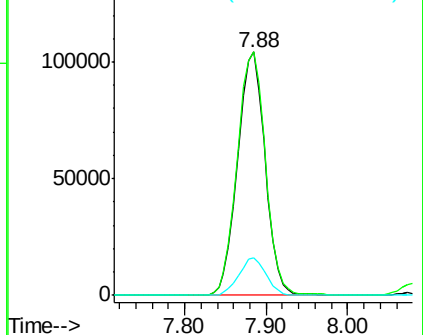
#35
 Dibromofluoromethane
 Concen: 52.907 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.6	125.4
192	15.3	12.4	18.6

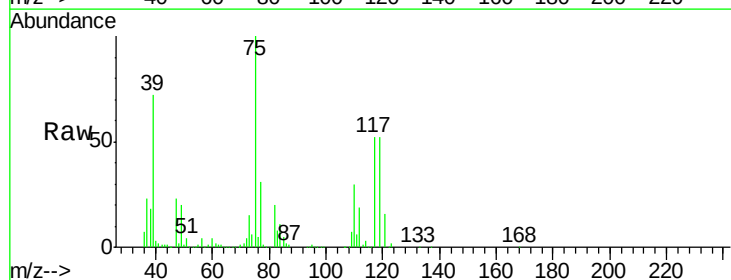


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

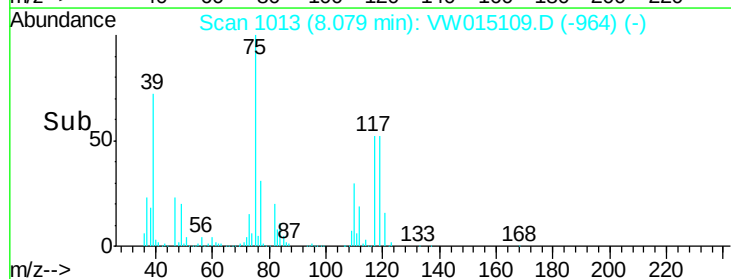
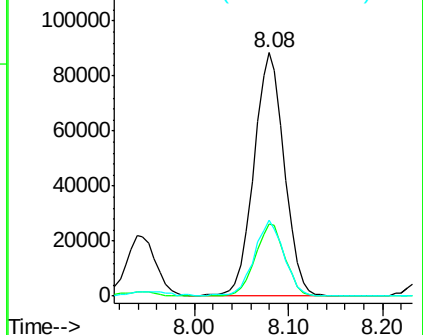


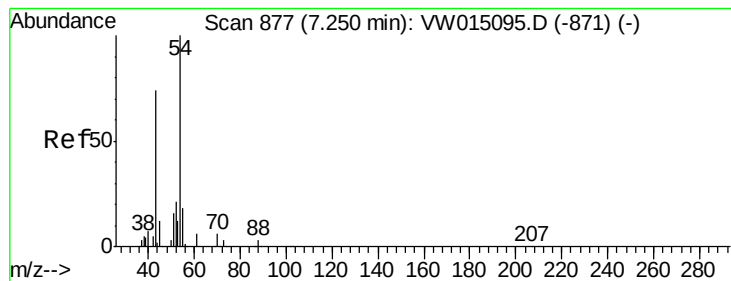
#36
 1,1-Dichloropropene
 Concen: 22.379 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.9	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: 19.801 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

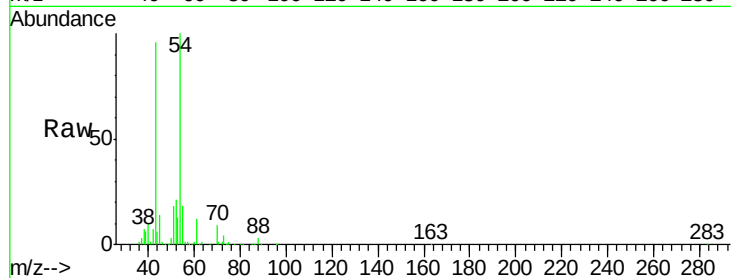
Tot Ion: 43 Resp: 88169

Ion Ratio Lower Upper

43 100

61 12.2 9.6 14.4

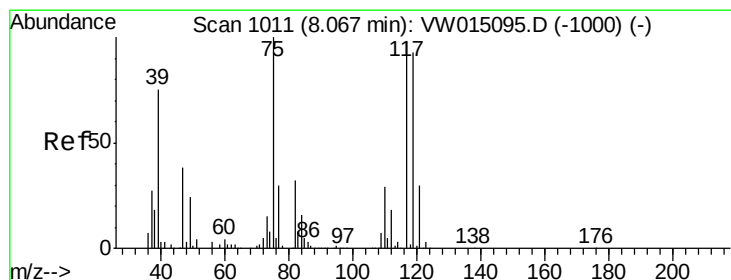
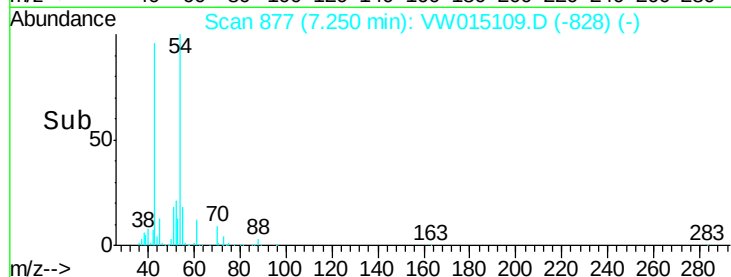
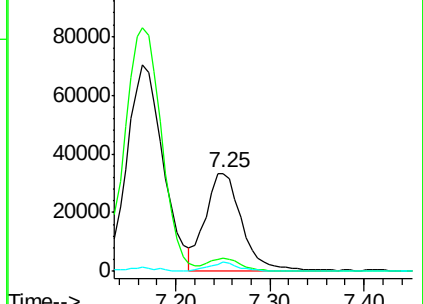
70 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 21.743 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

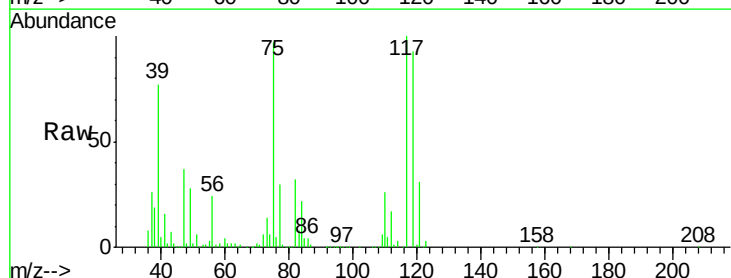
Tgt Ion: 117 Resp: 158136

Ion Ratio Lower Upper

117 100

119 93.2 75.8 113.8

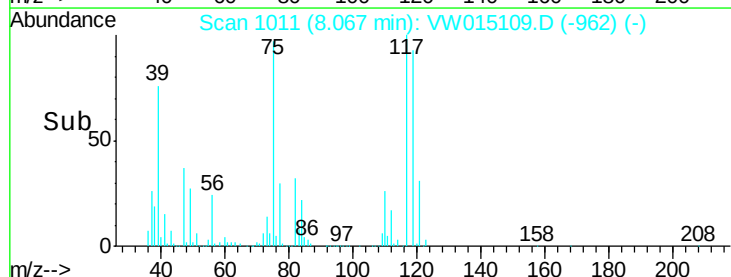
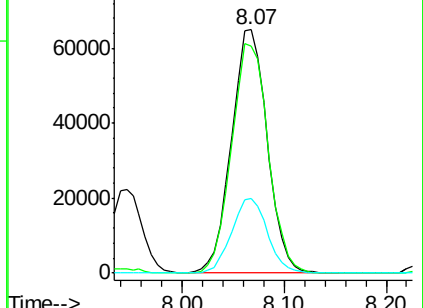
121 30.8 24.5 36.7

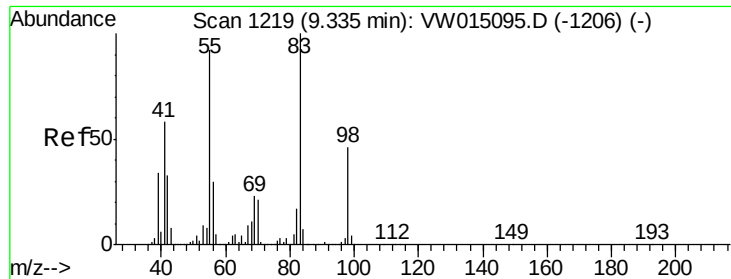


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

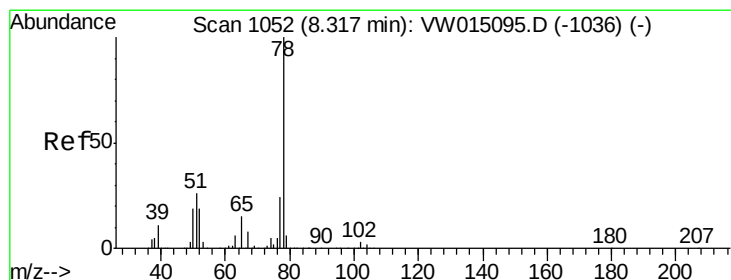
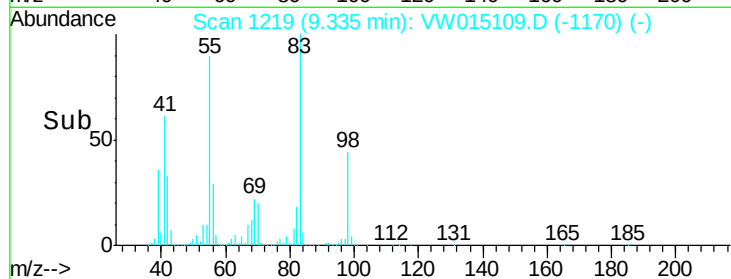
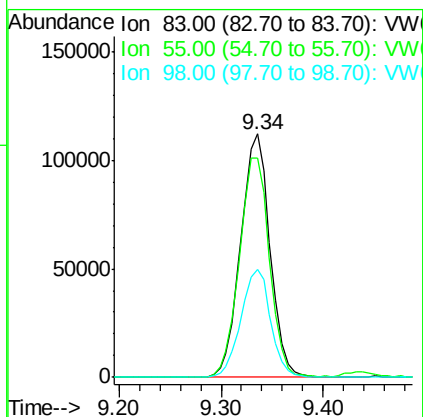
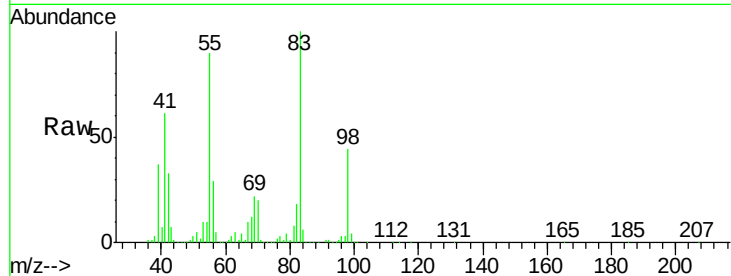




#39
Methylvlcyclohexane
Concen: 21.913 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

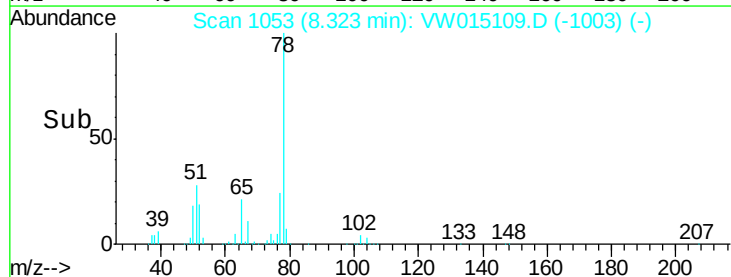
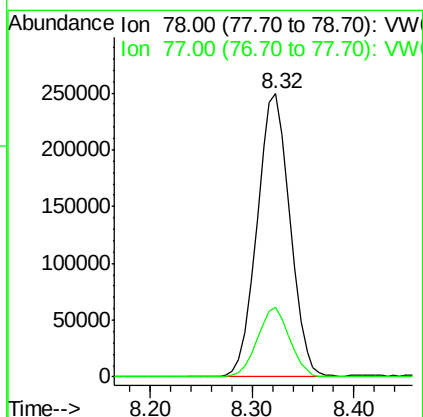
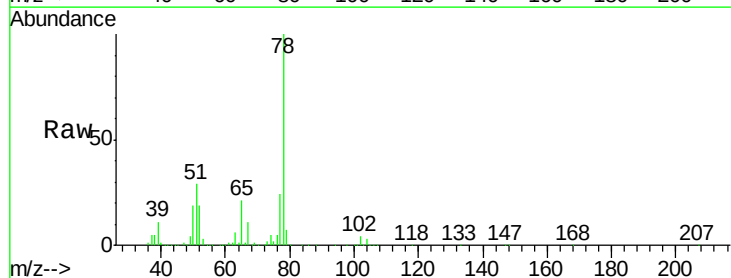
Instrument :
MSVOA_W
ClientSampleId :

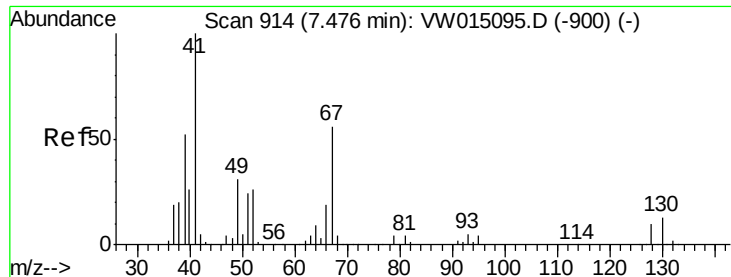
Tot Ion: 83 Resp: 223848
Ion Ratio Lower Upper
83 100
55 90.0 73.5 110.3
98 44.4 37.2 55.8



#40
Benzene
Concen: 22.543 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion: 78 Resp: 559708
Ion Ratio Lower Upper
78 100
77 24.3 19.5 29.3

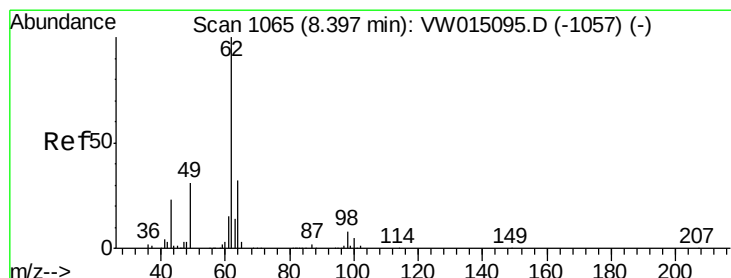
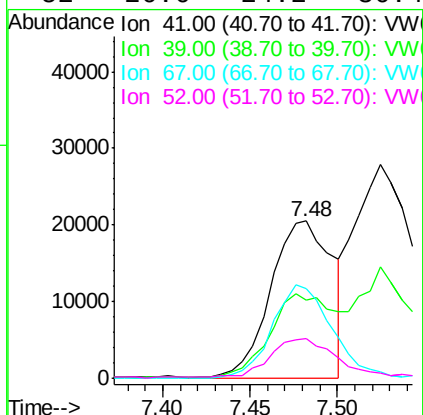
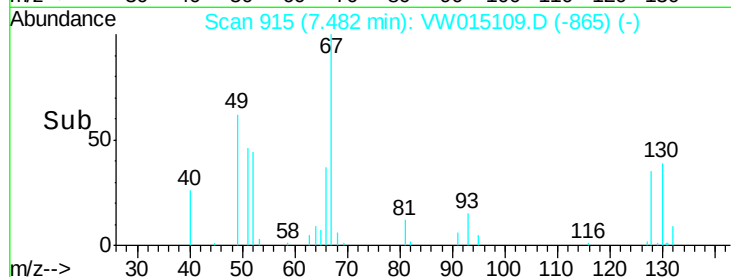
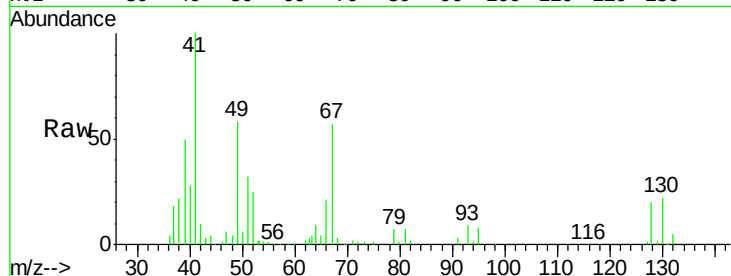




#41
Methacrylonitrile
Concen: 21.348 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

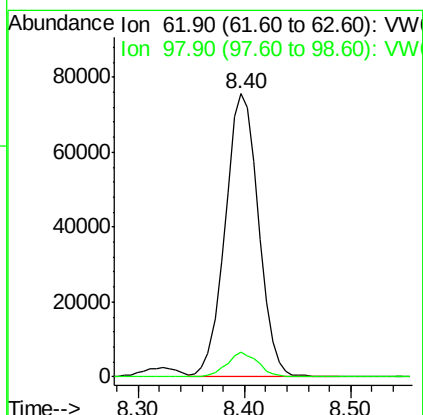
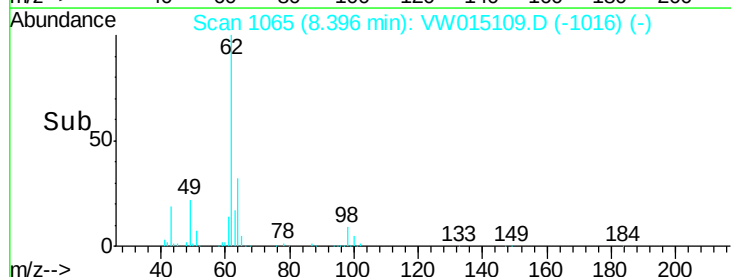
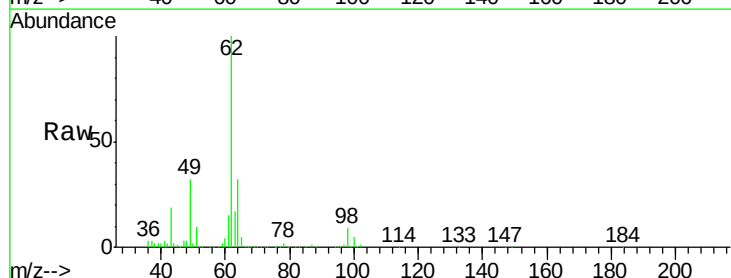
Instrument :
MSVOA_W
ClientSampleId :

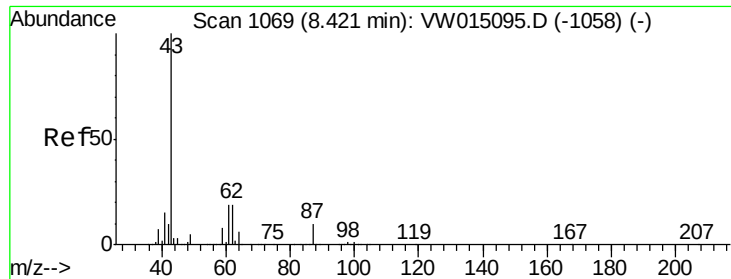
Tot Ion:	41	Resp:	50272
Ion	Ratio	Lower	Upper
41	100		
39	53.7	49.0	73.4
67	58.4	50.4	75.6
52	26.6	24.2	36.4



#42
1,2-Dichloroethane
Concen: 21.816 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion:	62	Resp:	165019
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.0





#43

Isopropyl Acetate

Concen: 20.375 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

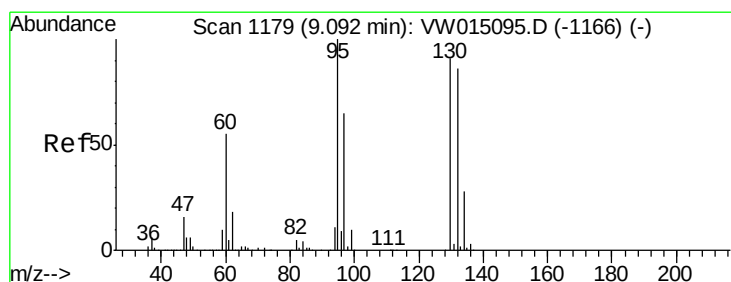
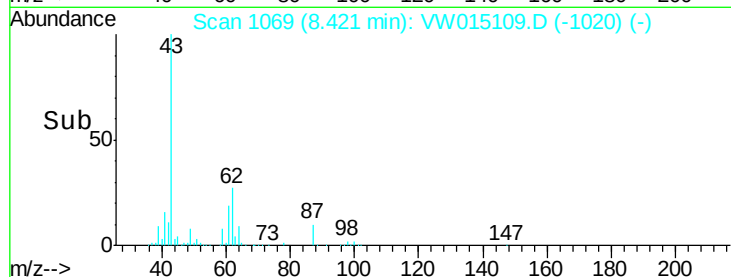
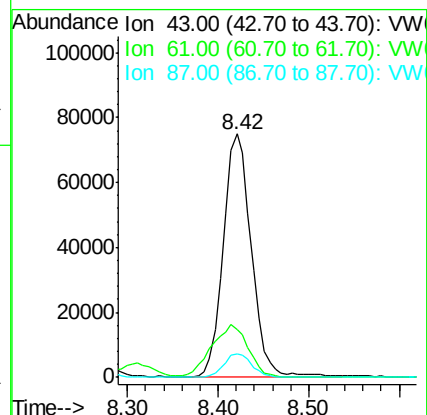
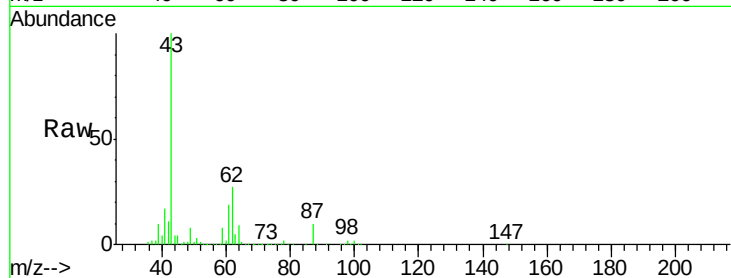
Tot Ion: 43 Resp: 162649

Ion Ratio Lower Upper

43 100

61 28.0 21.8 32.8

87 9.8 8.0 12.0



#44

Trichloroethene

Concen: 21.636 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015109.D

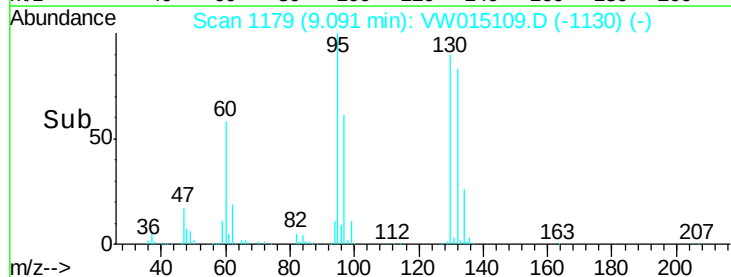
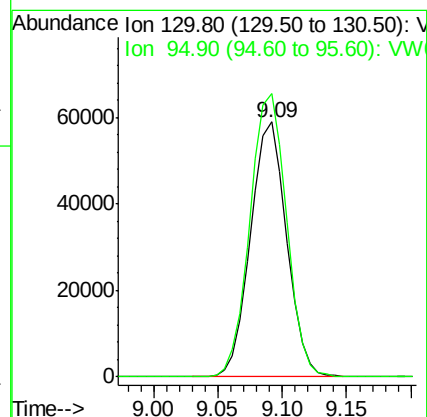
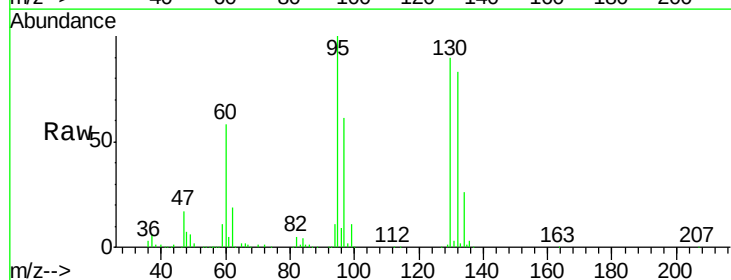
Acq: 10 Mar 2020 13:17

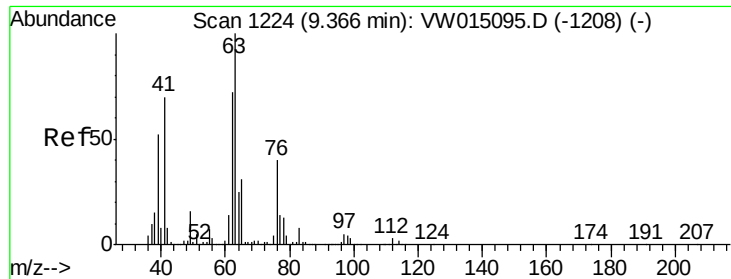
Tgt Ion: 130 Resp: 114348

Ion Ratio Lower Upper

130 100

95 111.0 0.0 219.8

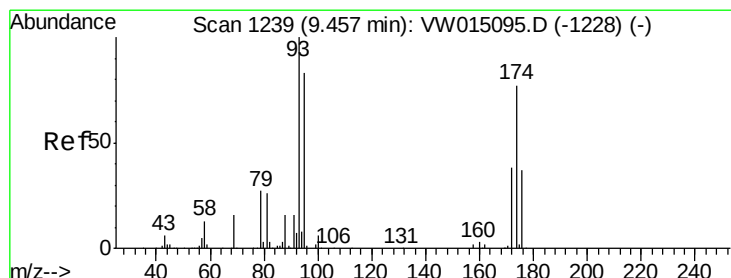
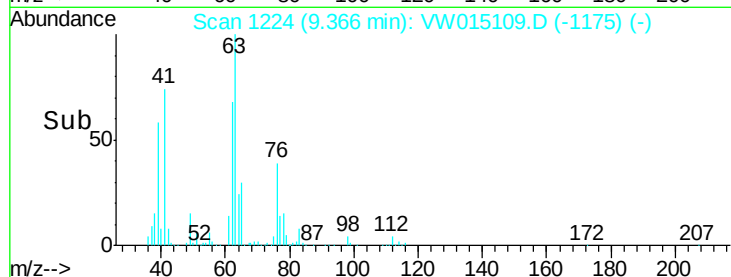
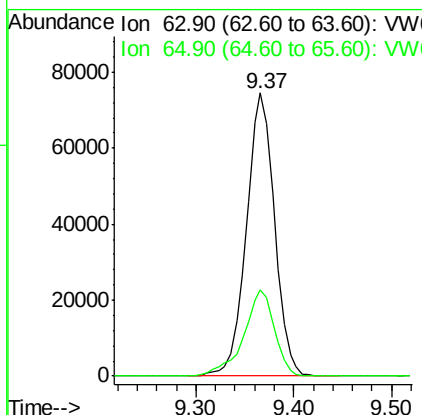
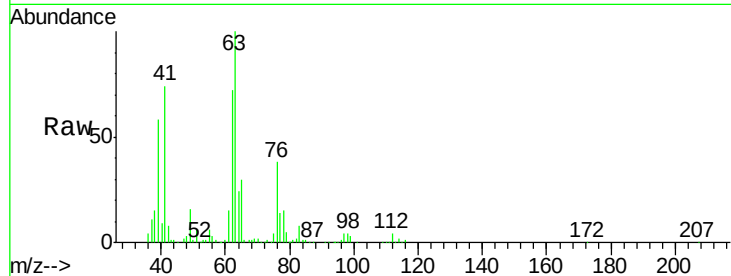




#45
 1,2-Dichloropropane
 Concen: 22.207 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

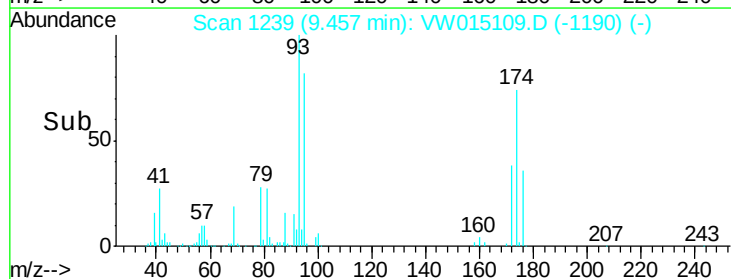
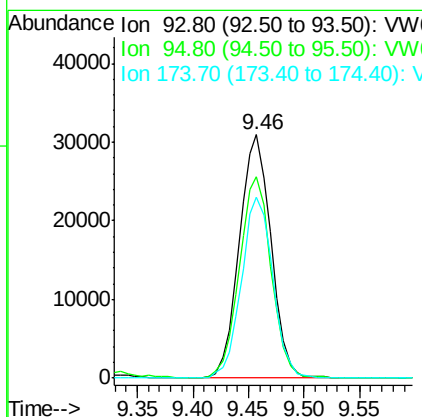
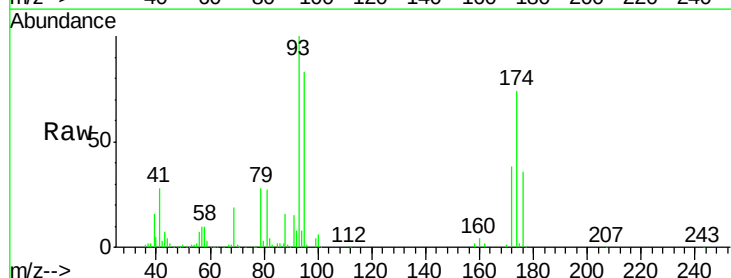
Instrument :
 MSVOA_W
 ClientSampleId :

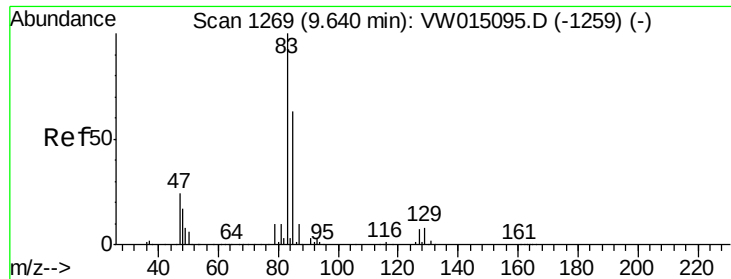
Tot Ion: 63 Resp: 148489
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 36.8



#46
 Dibromomethane
 Concen: 20.980 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 93 Resp: 60997
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.6 100.0
 174 74.1 60.6 91.0

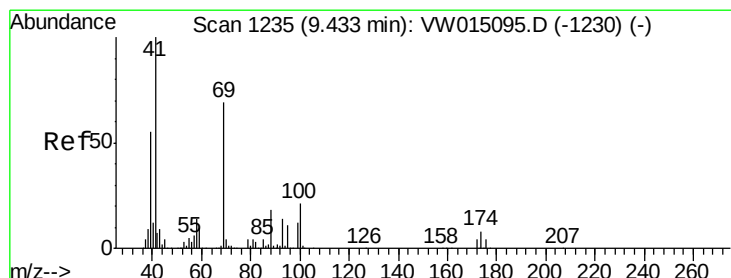
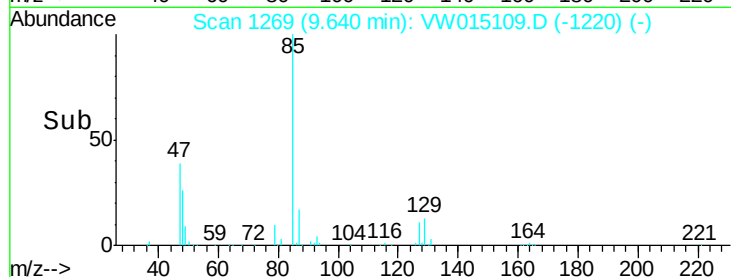
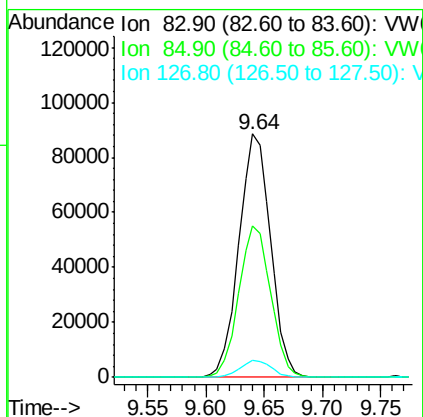
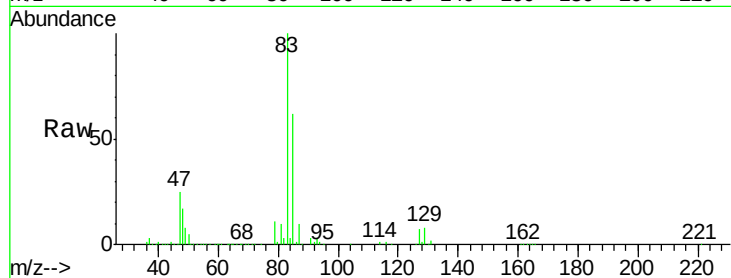




#47
 Bromodichloromethane
 Concen: 21.684 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

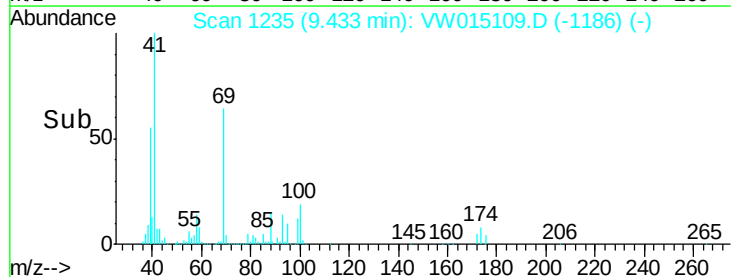
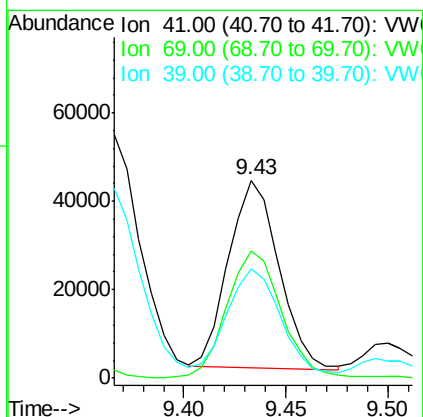
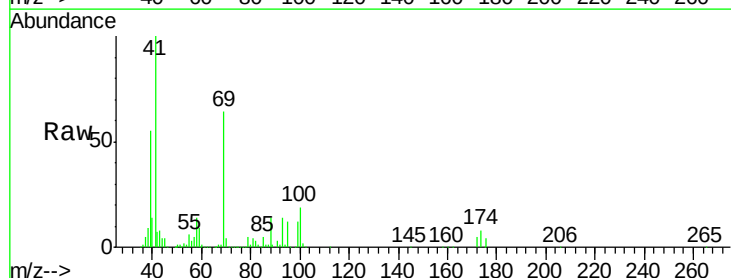
Instrument :
 MSVOA_W
 ClientSampleId :

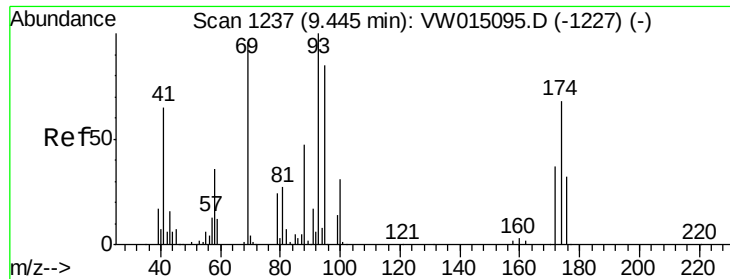
Tot Ion: 83 Resp: 168318
 Ion Ratio Lower Upper
 83 100
 85 62.3 50.7 76.1
 127 7.1 5.5 8.3



#48
 Methyl methacrylate
 Concen: 19.392 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 41 Resp: 72666
 Ion Ratio Lower Upper
 41 100
 69 73.3 58.7 88.1
 39 56.9 45.1 67.7





#49

1,4-Dioxane

Concen: 390.645 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :
MSVOA_W
ClientSampled :

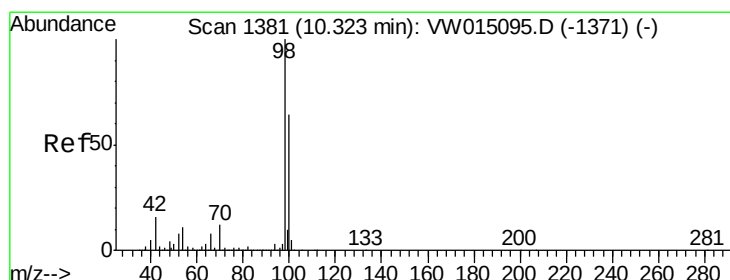
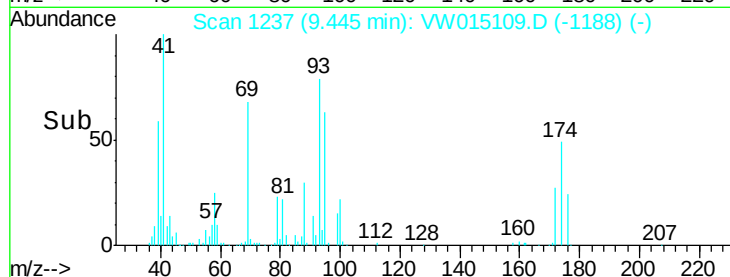
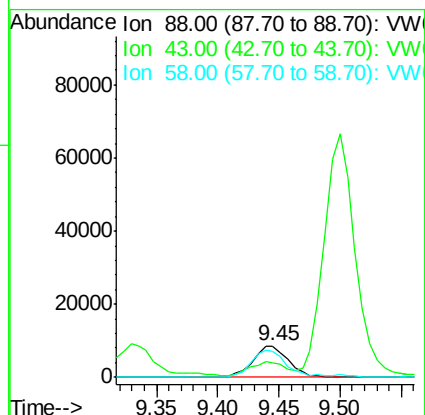
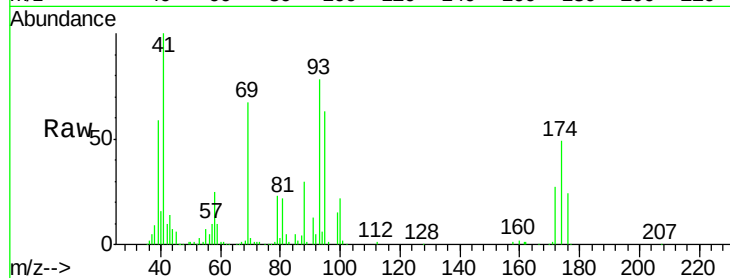
Tot Ion: 88 Resp: 17389

Ion Ratio Lower Upper

88 100

43 46.1 35.8 53.8

58 86.1 64.0 96.0



#50

Toluene-d8

Concen: 54.333 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015109.D

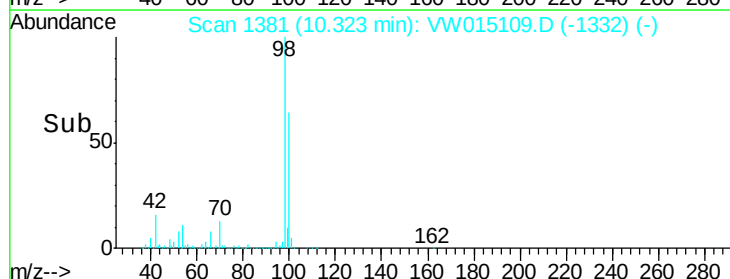
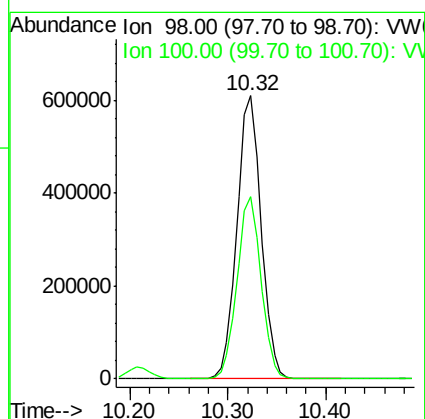
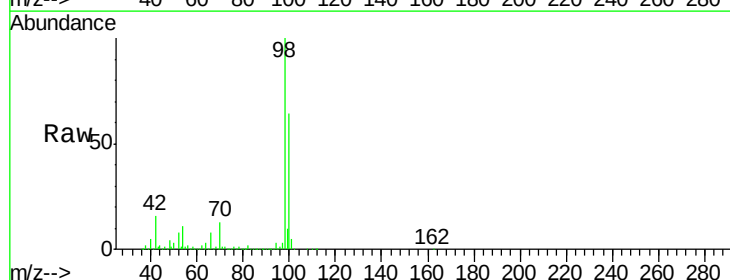
Acq: 10 Mar 2020 13:17

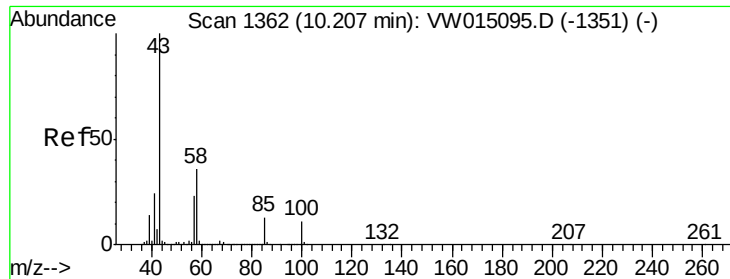
Tgt Ion: 98 Resp: 1049452

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2

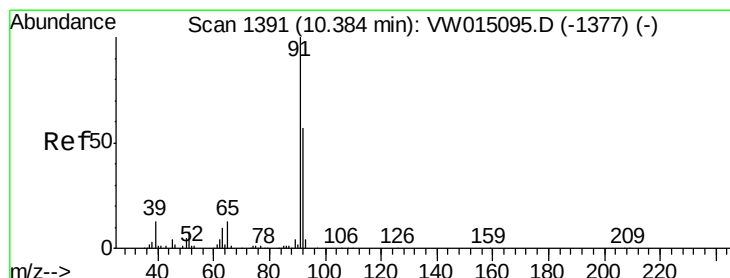
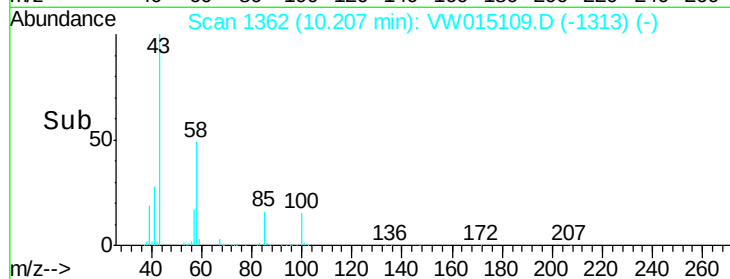
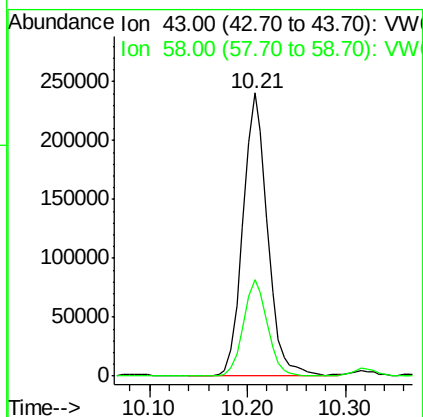
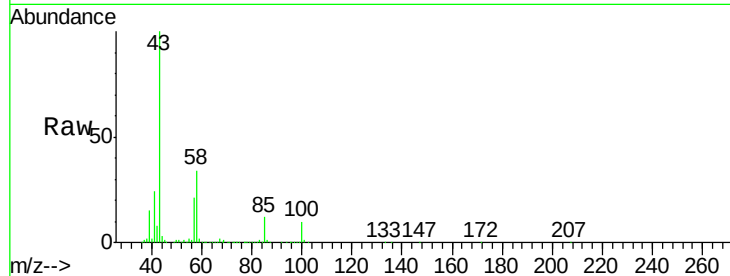




#51
 4-Methyl-2-Pentanone
 Concen: 94.767 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

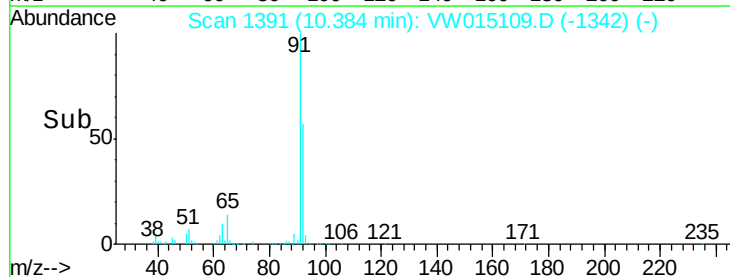
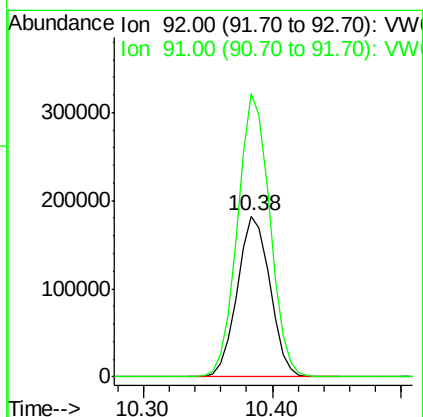
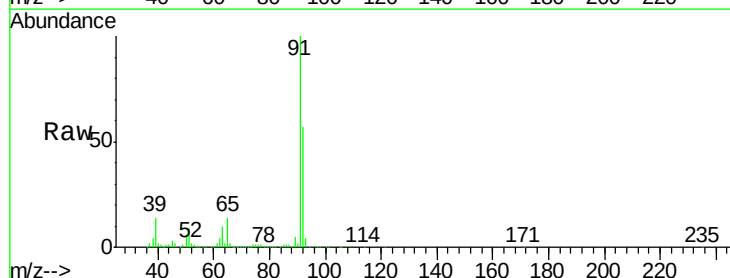
Instrument :
 MSVOA_W
 ClientSampled :

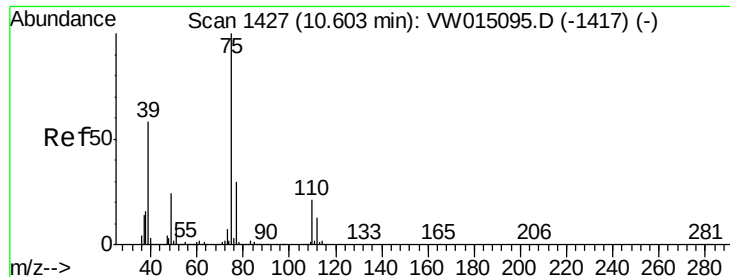
Tot Ion: 43 Resp: 417851
 Ion Ratio Lower Upper
 43 100
 58 33.5 28.0 42.0



#52
 Toluene
 Concen: 22.340 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 92 Resp: 318641
 Ion Ratio Lower Upper
 92 100
 91 174.8 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 20.511 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

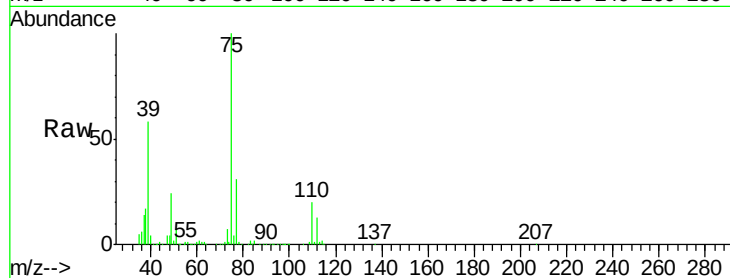
ClientSampleId :

Tot Ion: 75 Resp: 156634

Ion Ratio Lower Upper

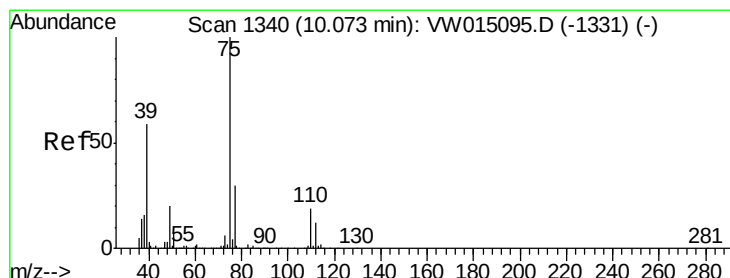
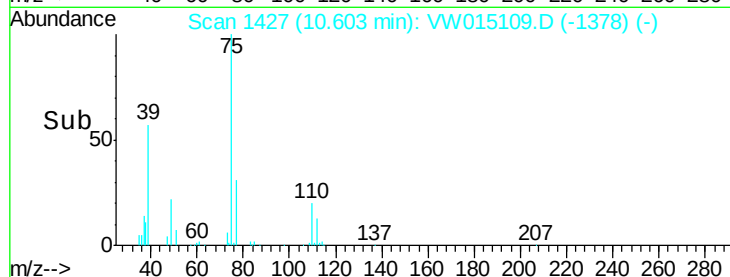
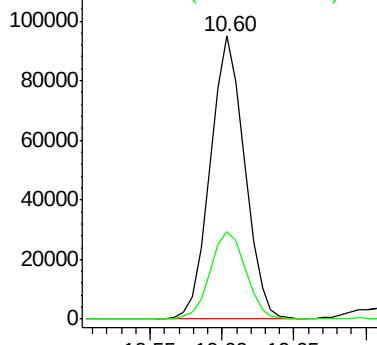
75 100

77 30.9 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.387 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

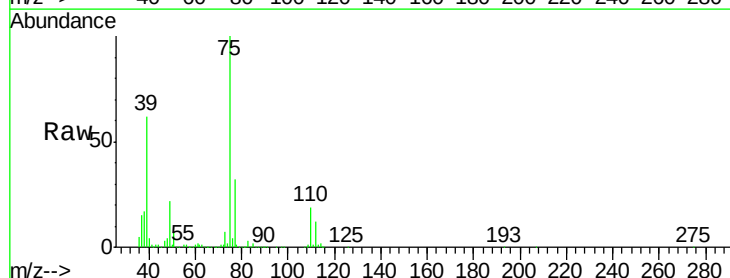
Tgt Ion: 75 Resp: 198950

Ion Ratio Lower Upper

75 100

77 32.0 24.3 36.5

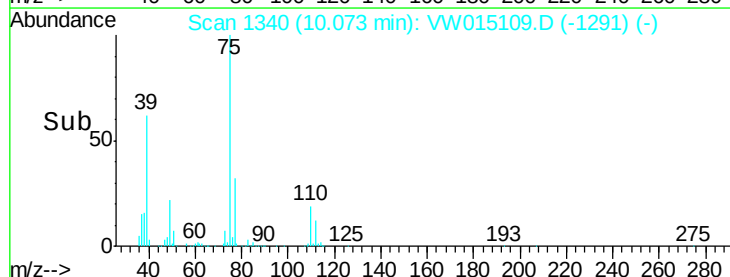
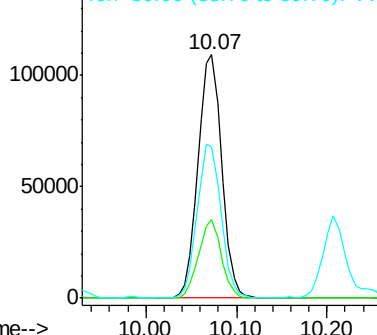
39 62.2 47.0 70.6

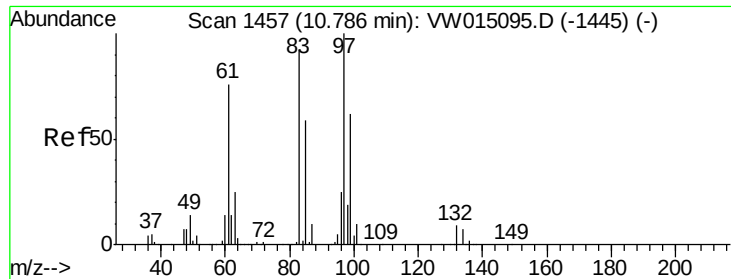


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

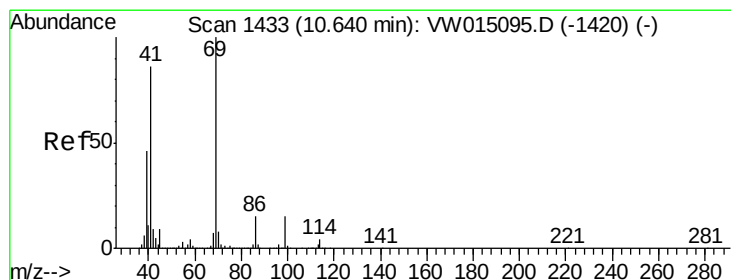
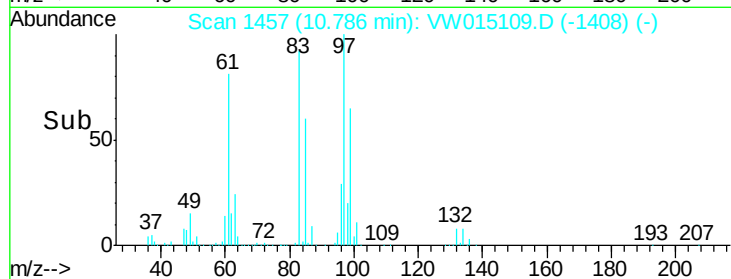
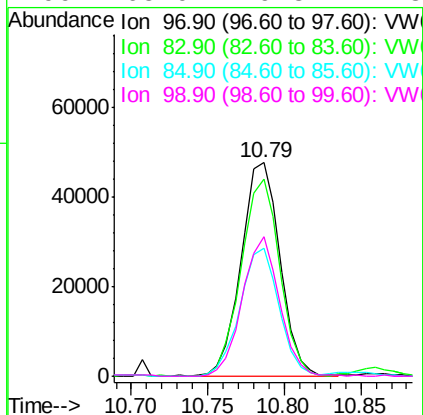
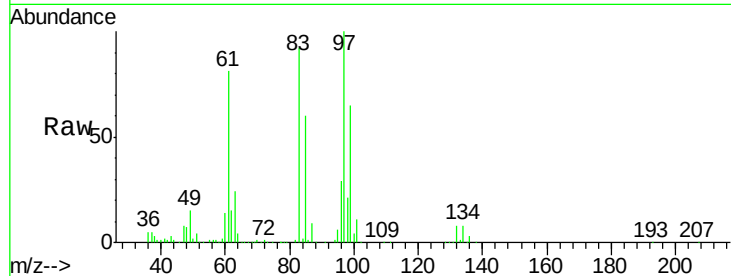




#55
 1,1,2-Trichloroethane
 Concen: 21.232 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

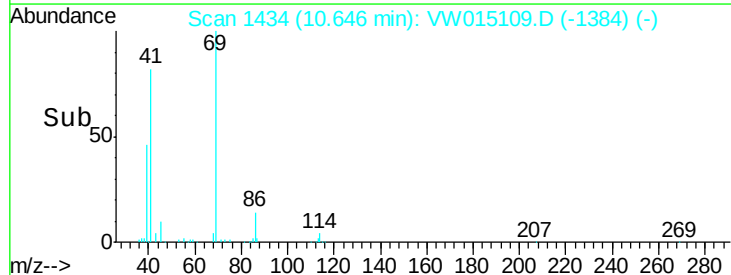
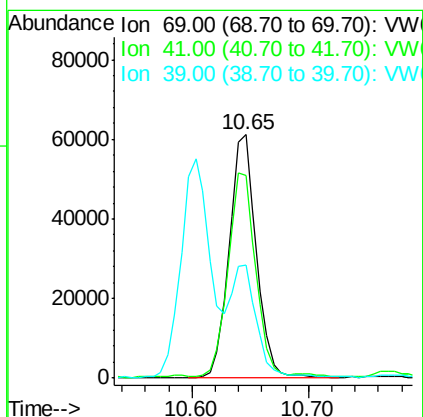
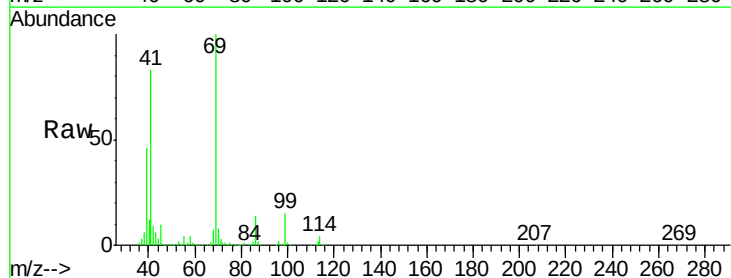
Instrument :
 MSVOA_W
 ClientSampleId :

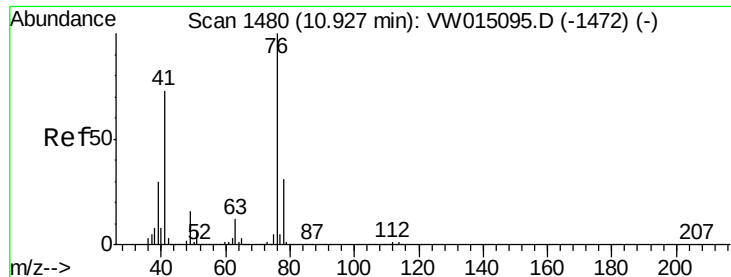
Tot Ion: 97 Resp: 84586
 Ion Ratio Lower Upper
 97 100
 83 92.2 74.0 111.0
 85 59.8 46.9 70.3
 99 65.0 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 18.665 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 69 Resp: 99557
 Ion Ratio Lower Upper
 69 100
 41 85.1 65.8 98.6
 39 42.7 31.2 46.8





#57

1,3-Dichloropropane

Concen: 21.126 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

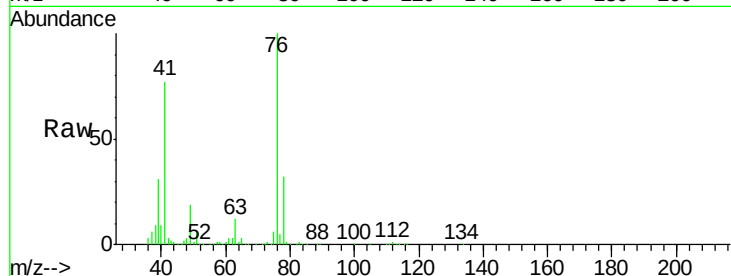
ClientSampled :

Tot Ion: 76 Resp: 160235

Ion Ratio Lower Upper

76 100

78 32.5 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

80000

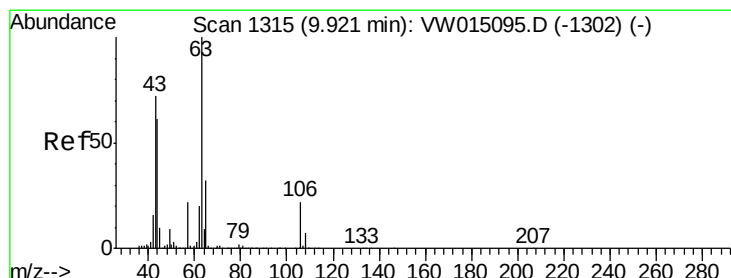
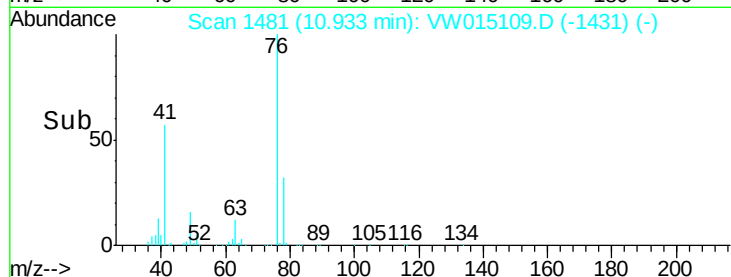
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 98.399 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW015109.D

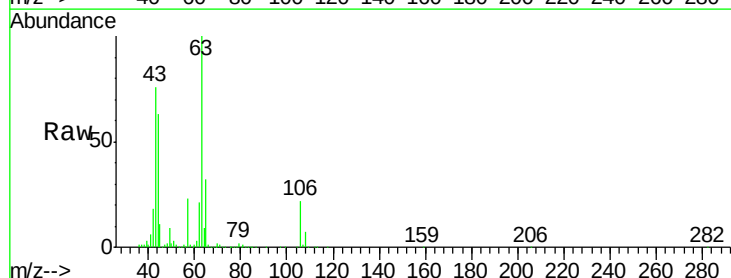
Acq: 10 Mar 2020 13:17

Tgt Ion: 63 Resp: 296783

Ion Ratio Lower Upper

63 100

106 22.4 18.0 27.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

200000

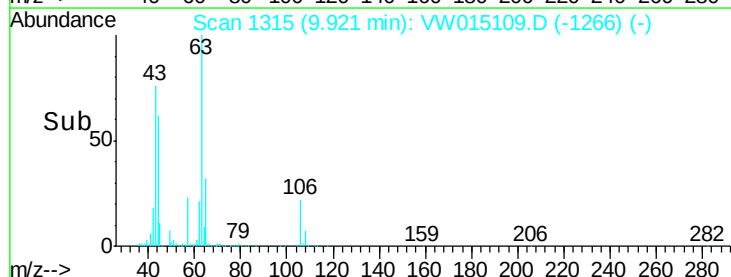
150000

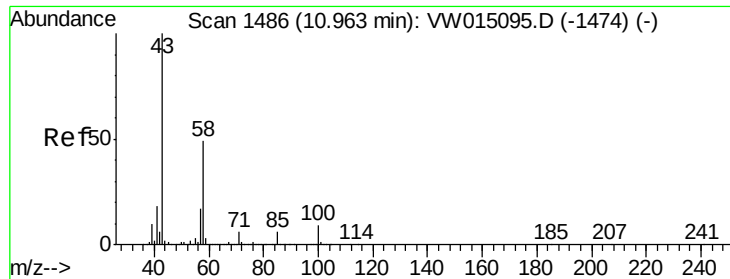
100000

50000

0

Time-->

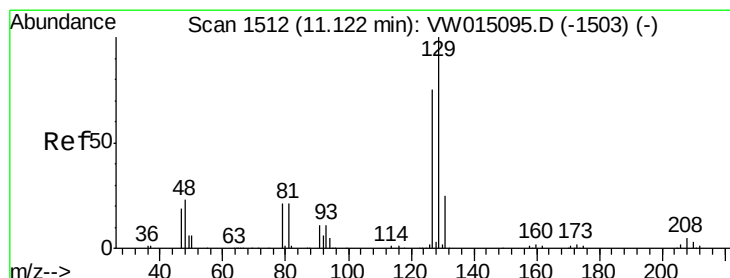
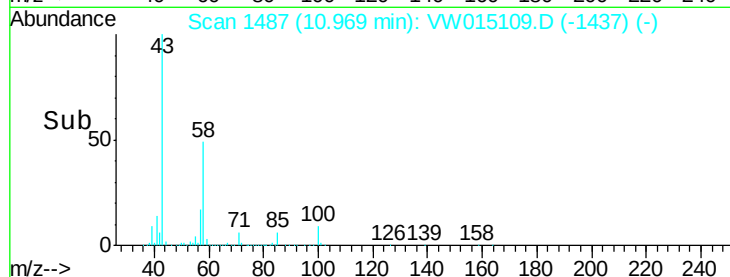
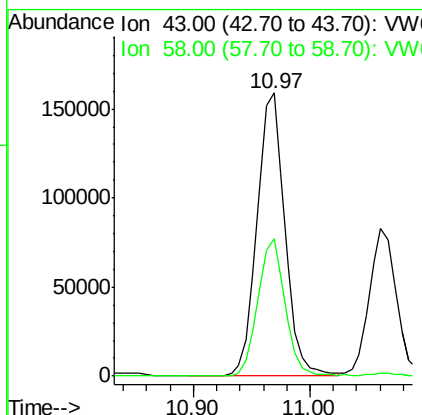
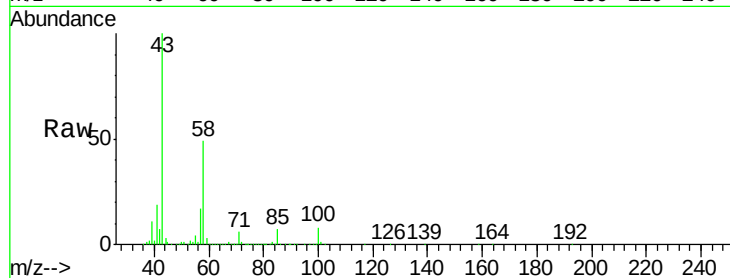




#59
2-Hexanone
Concen: 90.464 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

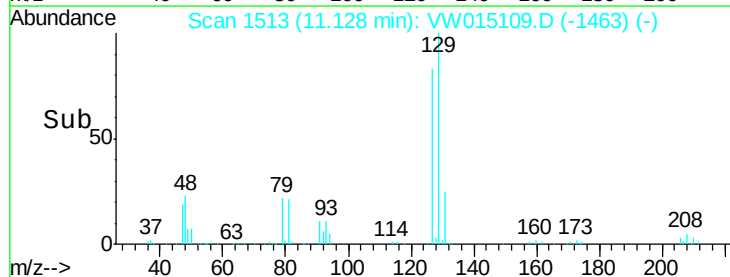
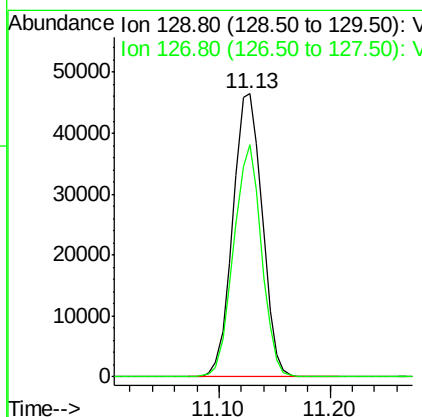
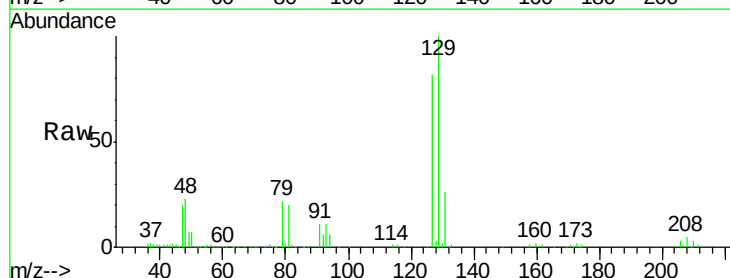
Instrument :
MSVOA_W
ClientSampleId :

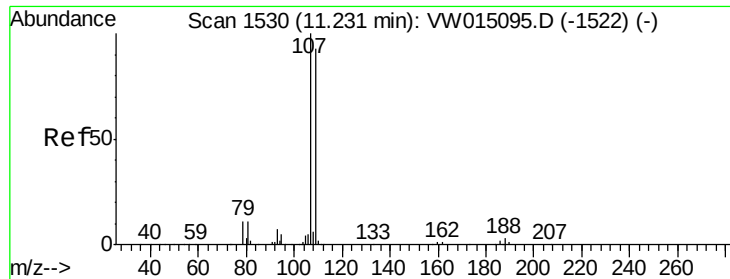
Tot Ion: 43 Resp: 265365
Ion Ratio Lower Upper
43 100
58 47.5 24.6 73.8



#60
Dibromochloromethane
Concen: 20.701 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion: 129 Resp: 85177
Ion Ratio Lower Upper
129 100
127 77.6 38.7 116.1

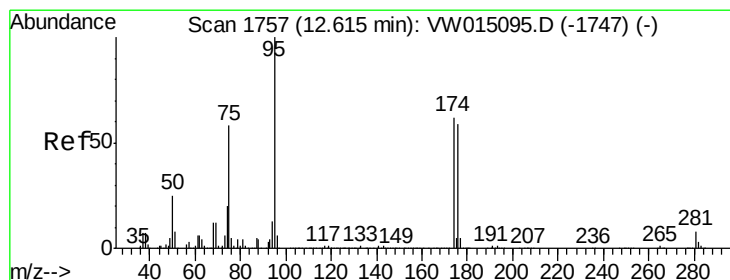
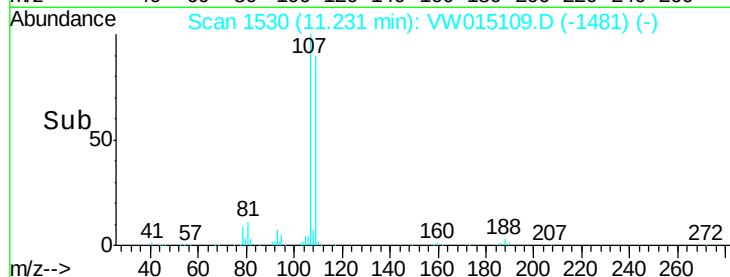
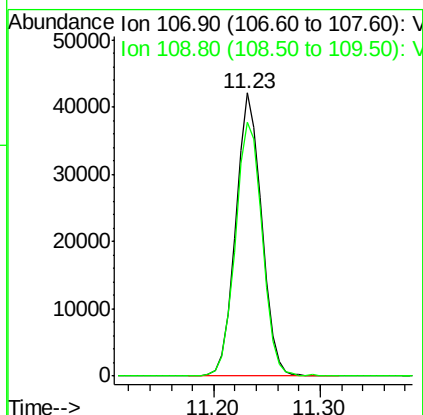
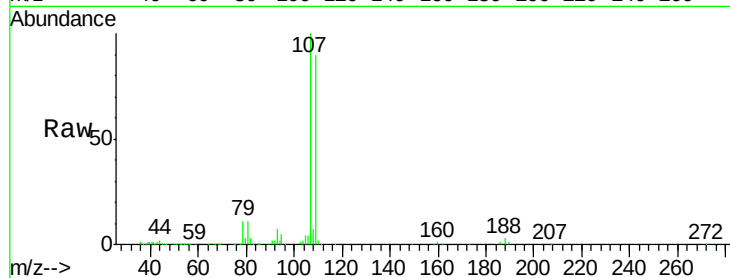




#61
 1,2-Dibromoethane
 Concen: 20.411 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

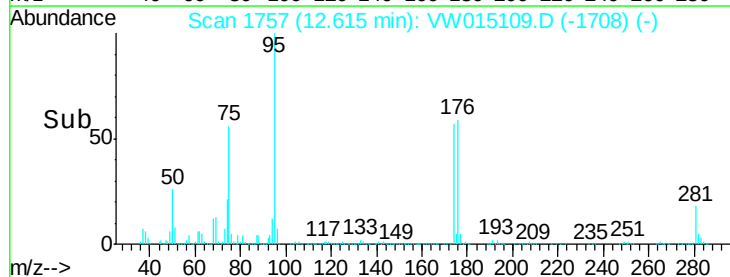
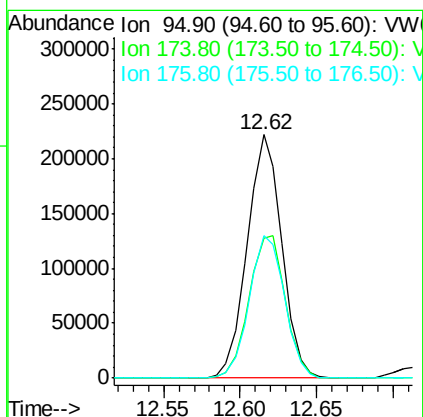
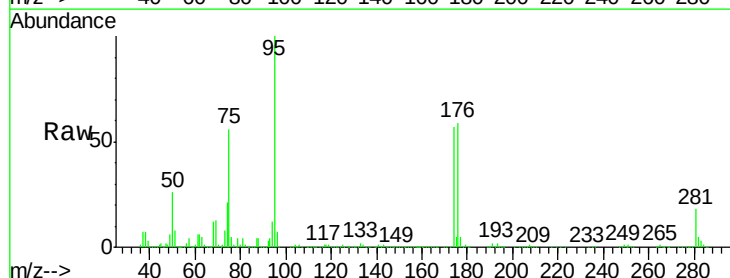
Instrument :
 MSVOA_W
 ClientSampleId :

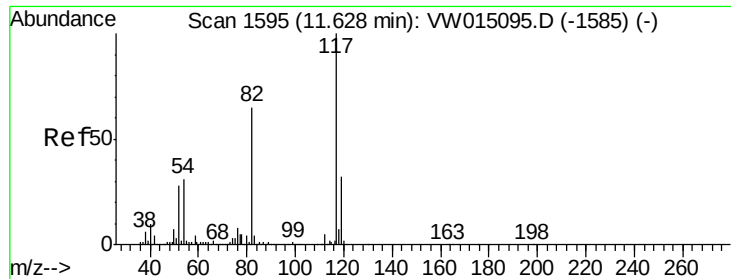
Tot Ion:107 Resp: 72088
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 54.304 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 95 Resp: 348418
 Ion Ratio Lower Upper
 95 100
 174 61.5 0.0 126.8
 176 60.0 0.0 121.6

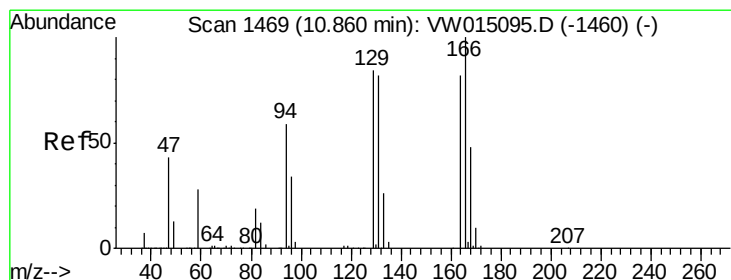
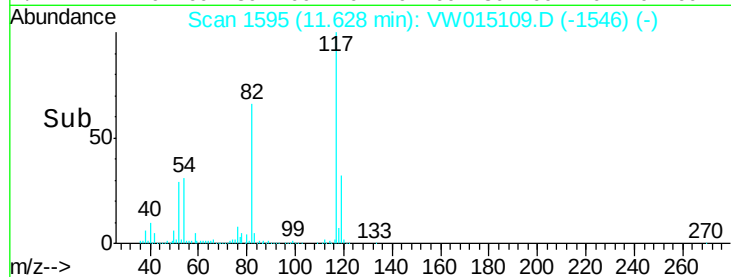
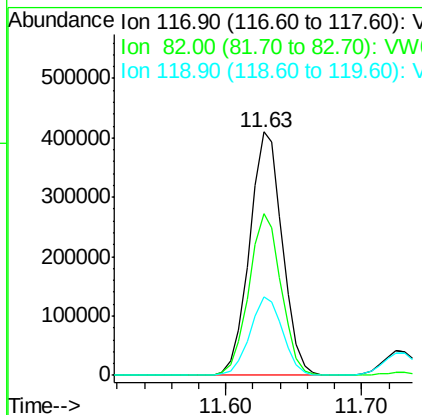
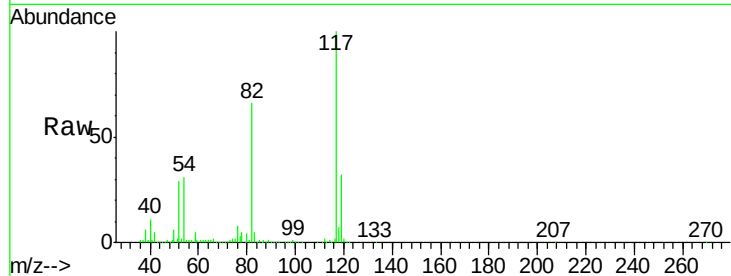




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

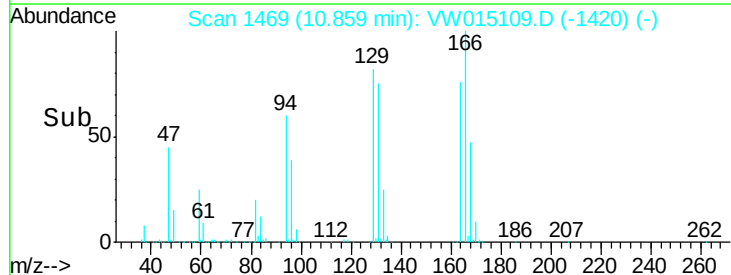
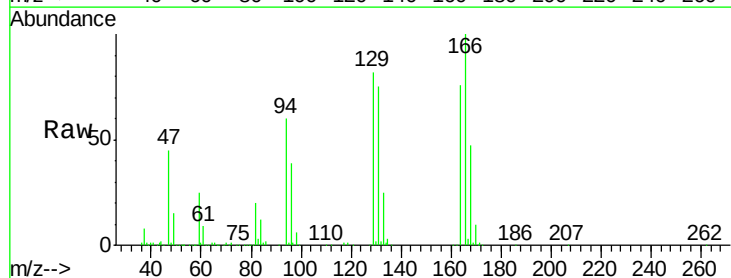
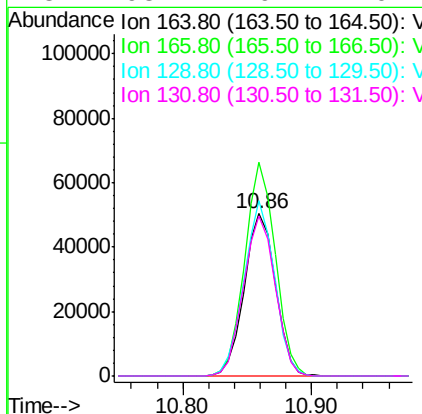
Instrument :
MSVOA_W
ClientSampled :

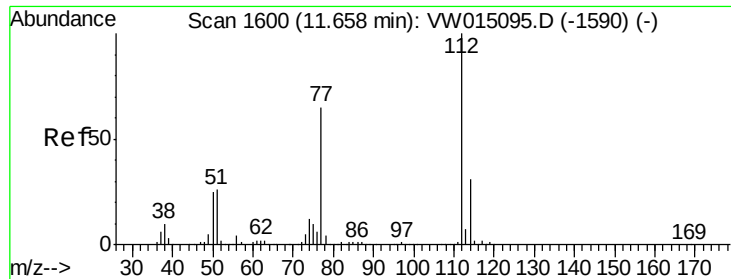
Tot Ion:117 Resp: 690906
Ion Ratio Lower Upper
117 100
82 66.2 52.2 78.2
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 21.133 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion:164 Resp: 84262
Ion Ratio Lower Upper
164 100
166 131.7 97.0 145.6
129 108.1 81.2 121.8
131 98.7 79.4 119.2

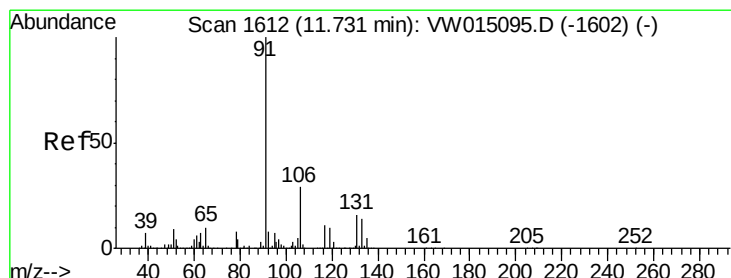
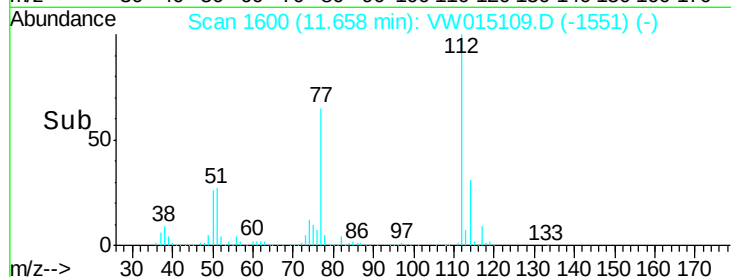
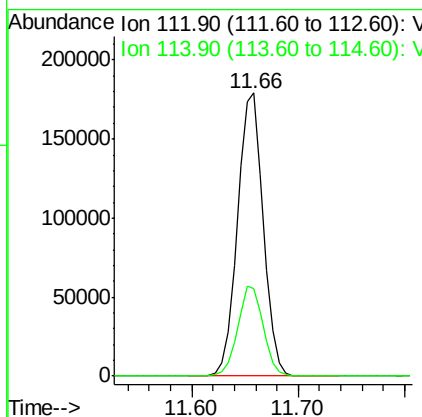
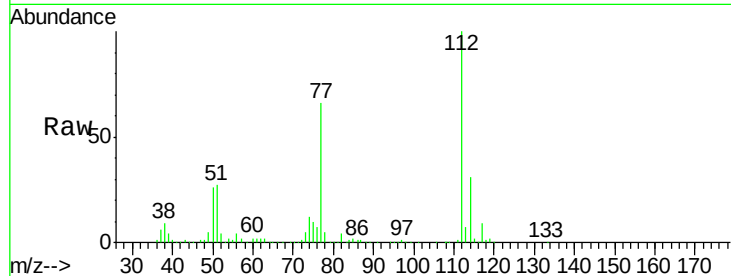




#65
Chlorobenzene
Concen: 21.868 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

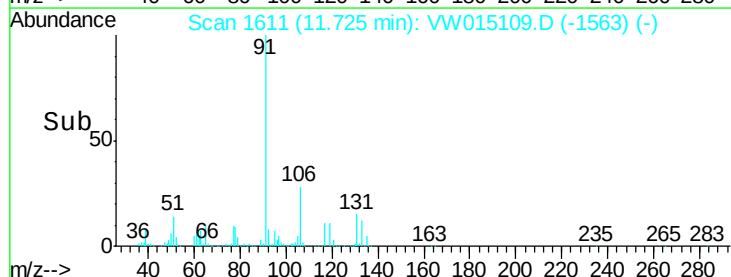
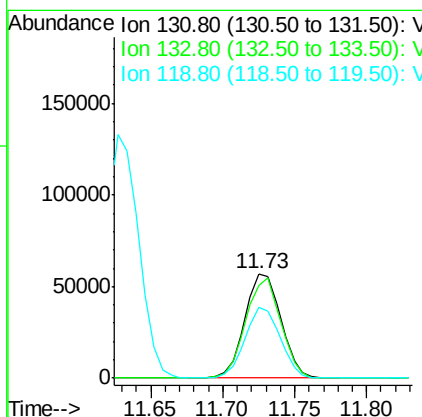
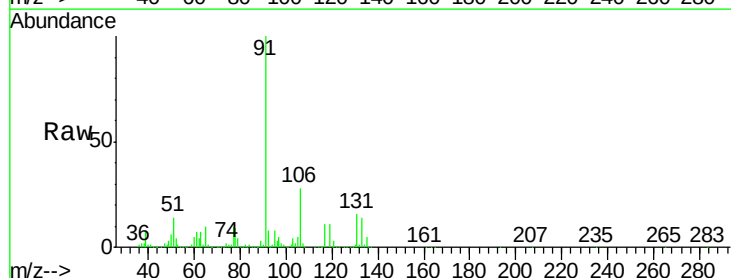
Instrument :
MSVOA_W
ClientSampleId :

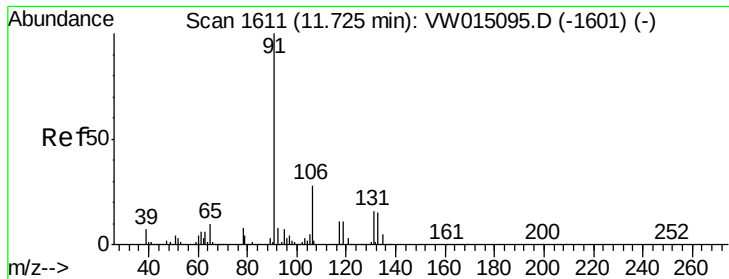
Tot Ion:112 Resp: 303256
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion:131 Resp: 98469
Ion Ratio Lower Upper
131 100
133 93.6 47.3 141.8
119 66.5 34.0 101.8

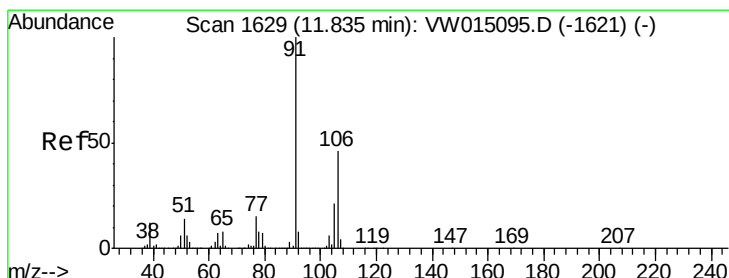
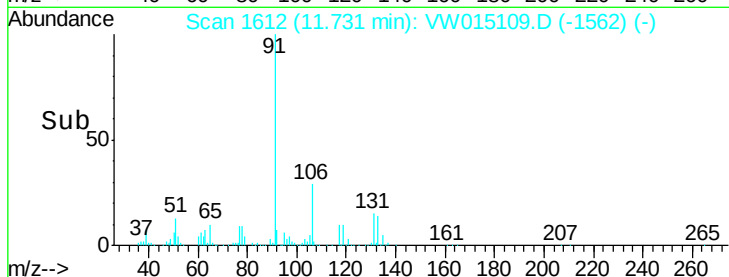
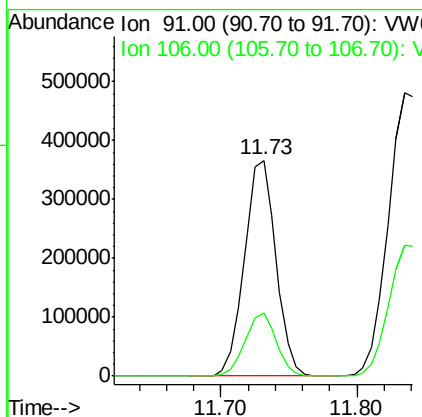
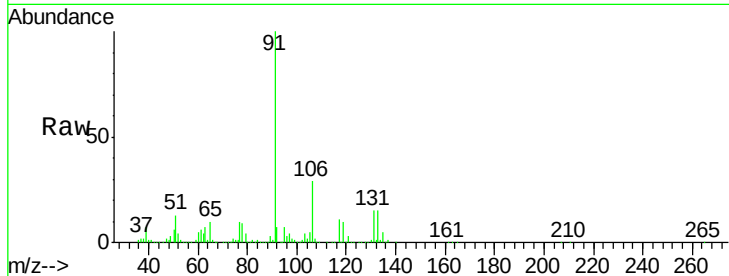




#67
Ethyl Benzene
Concen: 22.092 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

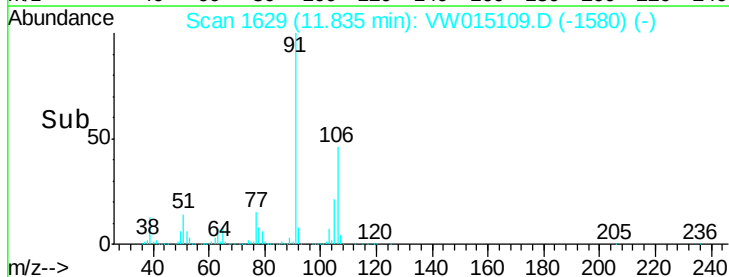
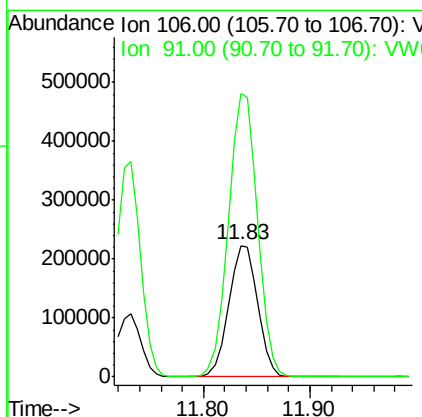
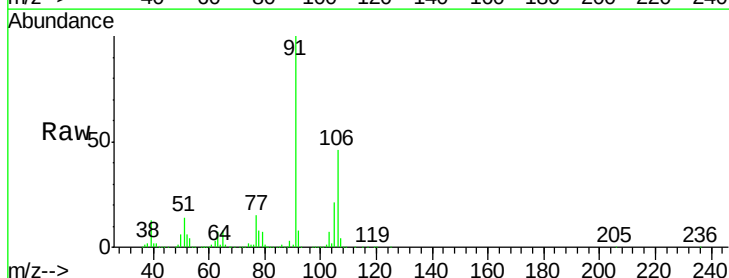
Instrument :
MSVOA_W
ClientSampleId :

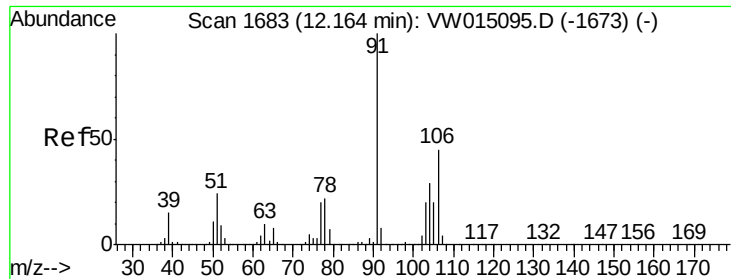
Tot Ion: 91 Resp: 596159
Ion Ratio Lower Upper
91 100
106 29.3 22.8 34.2



#68
m/p-Xylenes
Concen: 44.413 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion: 106 Resp: 423691
Ion Ratio Lower Upper
106 100
91 217.1 172.3 258.5

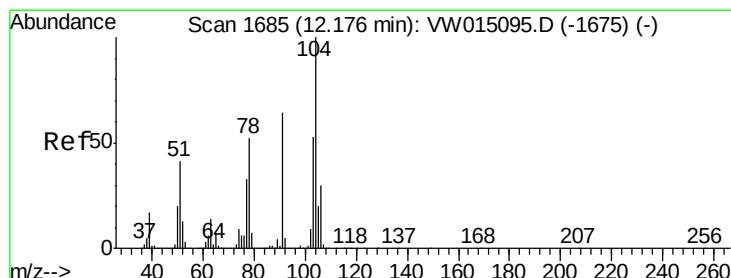
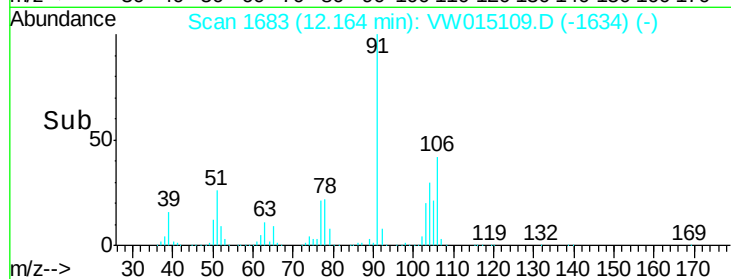
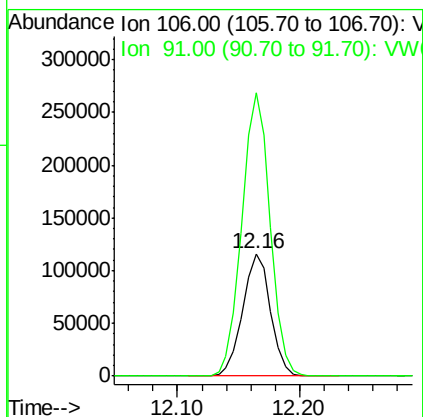
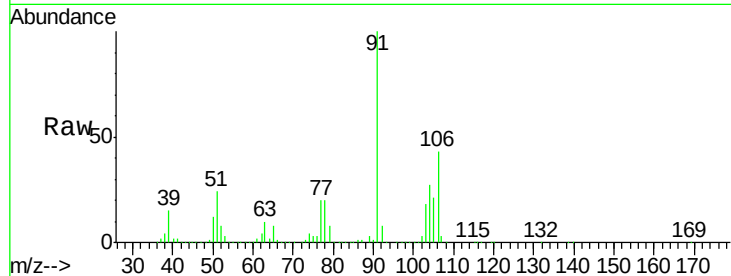




#69
o-Xylene
Concen: 21.356 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

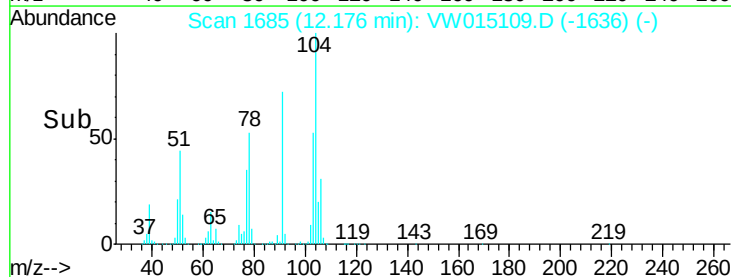
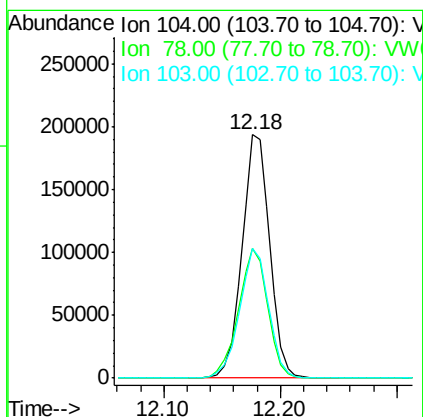
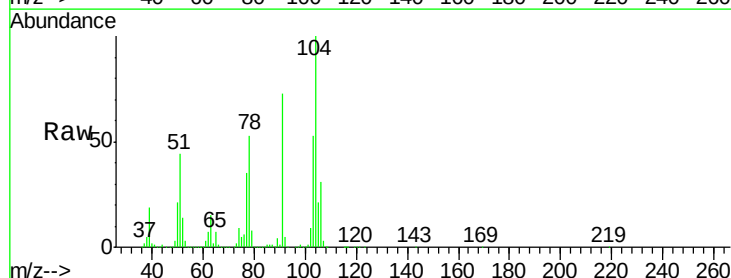
Instrument :
MSVOA_W
ClientSampled :

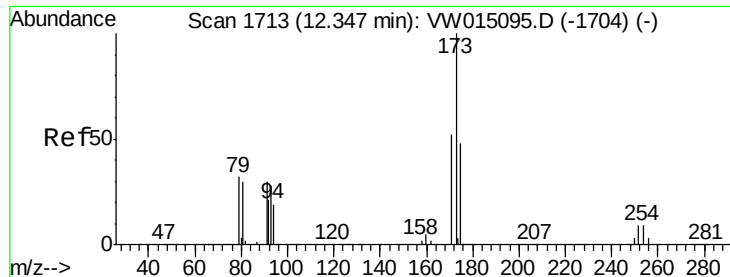
Tot Ion:106 Resp: 183527
Ion Ratio Lower Upper
106 100
91 233.7 112.6 337.8



#70
Styrene
Concen: 21.828 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion:104 Resp: 321408
Ion Ratio Lower Upper
104 100
78 56.3 44.7 67.1
103 55.8 44.7 67.1





#71

Bromoform

Concen: 19.584 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

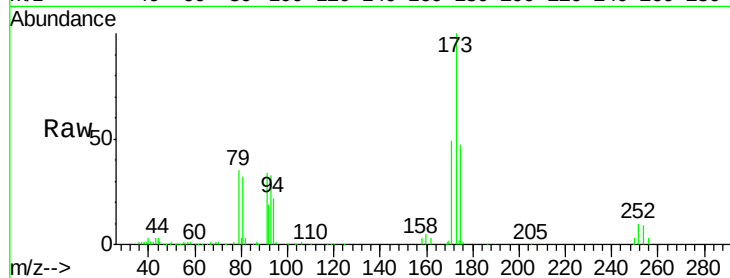
Tot Ion:173 Resp: 40136

Ion Ratio Lower Upper

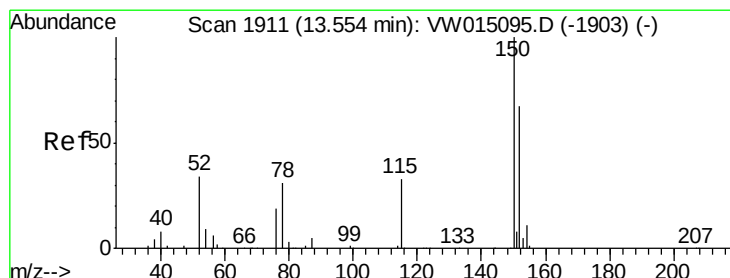
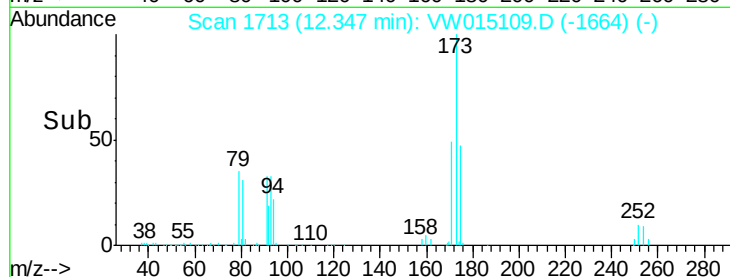
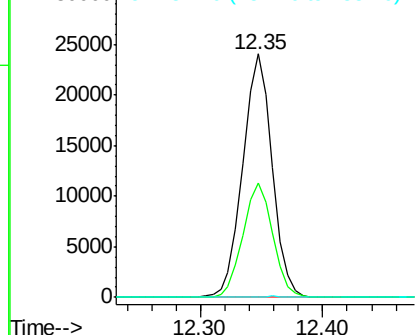
173 100

175 47.6 23.8 71.4

254 0.2 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: VW015109.D

Acq: 10 Mar 2020 13:17

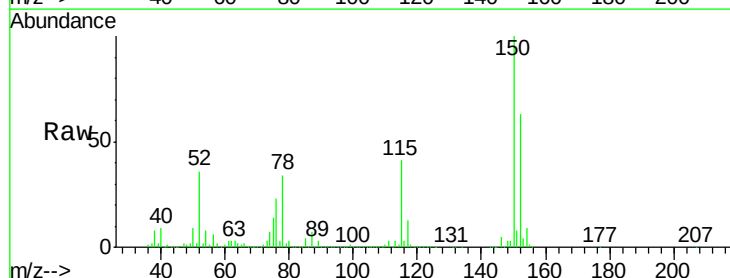
Tgt Ion:152 Resp: 311575

Ion Ratio Lower Upper

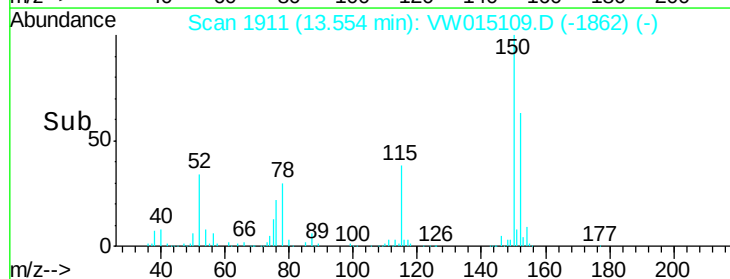
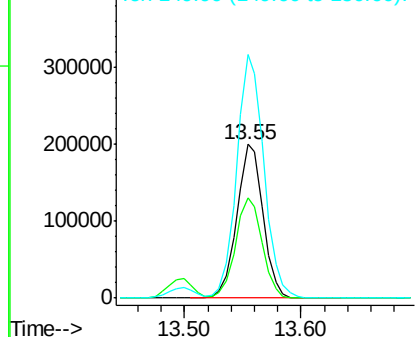
152 100

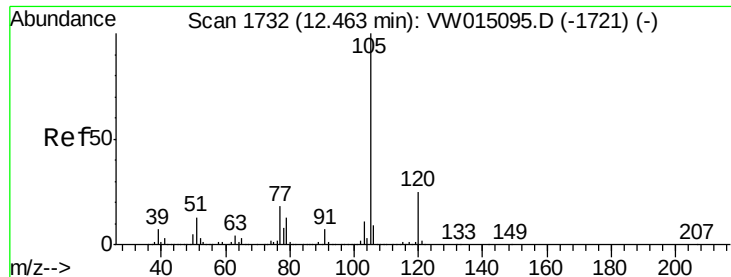
115 66.2 33.3 99.9

150 165.4 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: 22.187 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

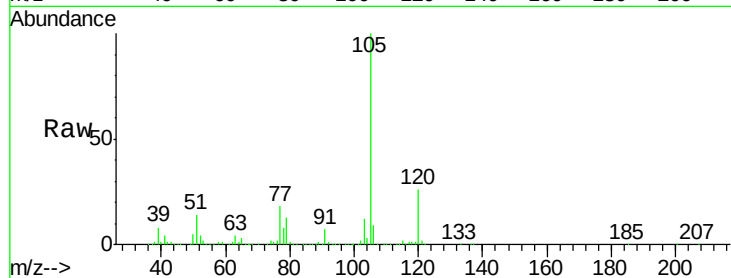
ClientSampleId :

Tot Ion:105 Resp: 528065

Ion Ratio Lower Upper

105 100

120 25.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

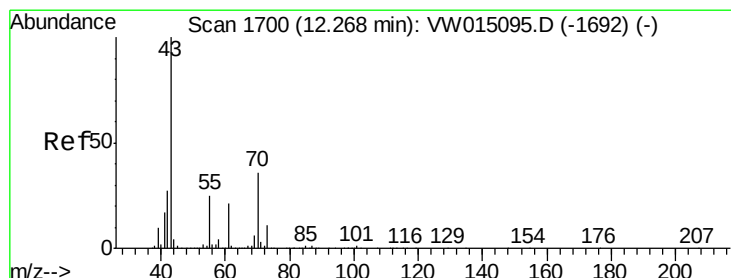
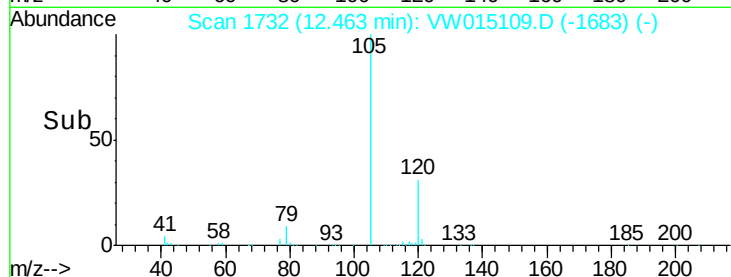
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.700 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Tgt Ion: 43 Resp: 141678

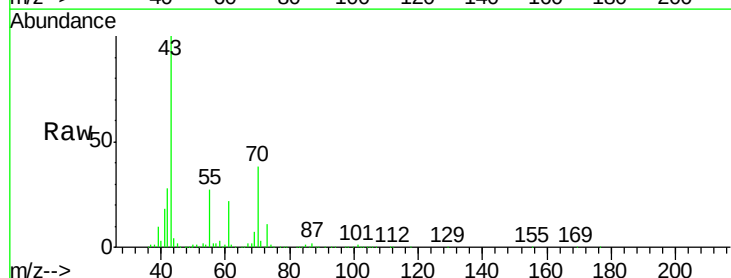
Ion Ratio Lower Upper

43 100

70 36.9 29.4 44.2

55 27.1 20.3 30.5

61 21.5 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

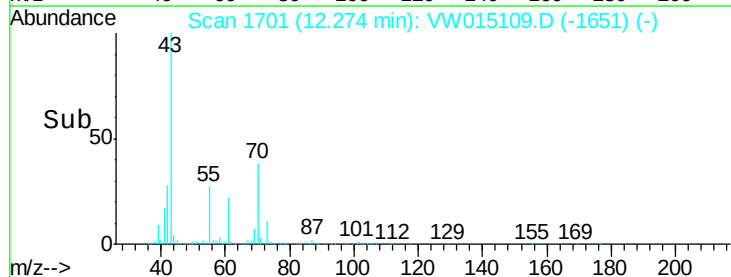
12.27

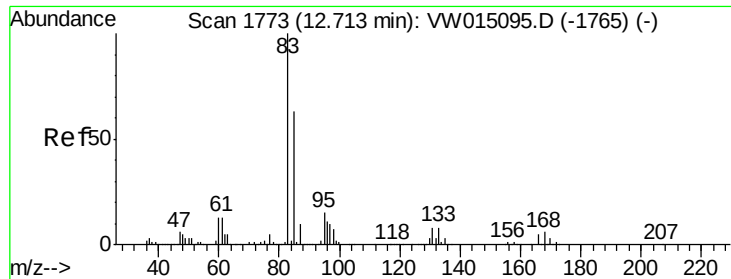
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.506 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015109.D

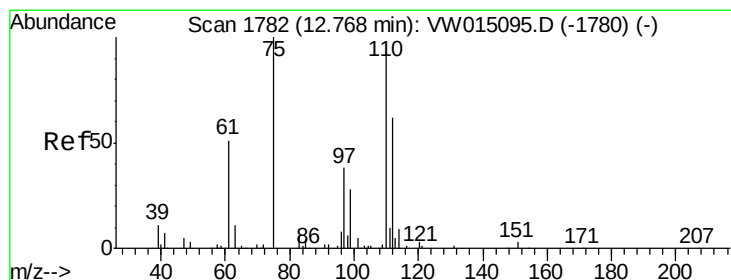
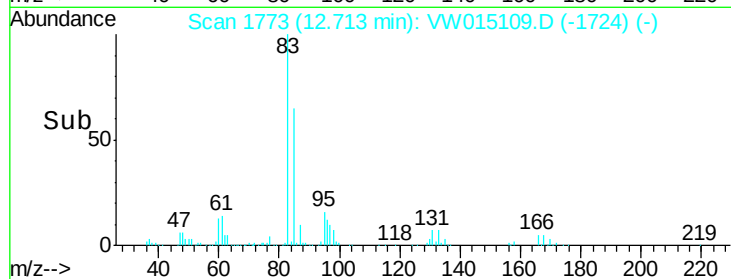
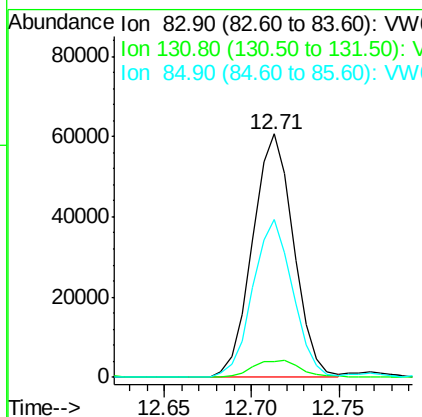
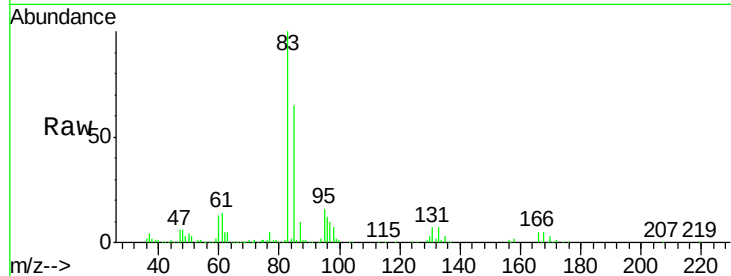
Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	83	Resp:	99106
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.3	13.1
85	63.2	31.5	94.5



#76

1,2,3-Trichloropropane

Concen: 37.279 ug/l

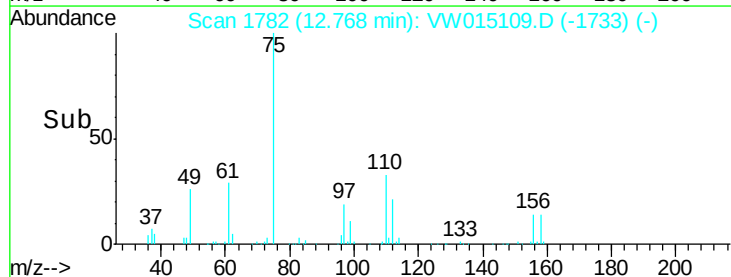
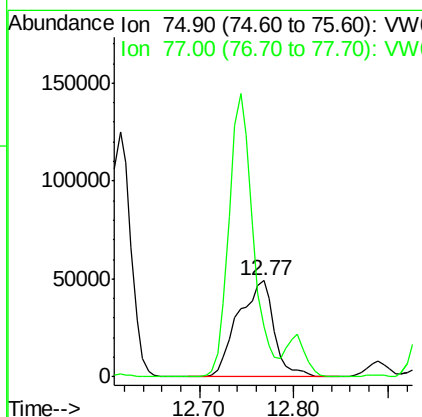
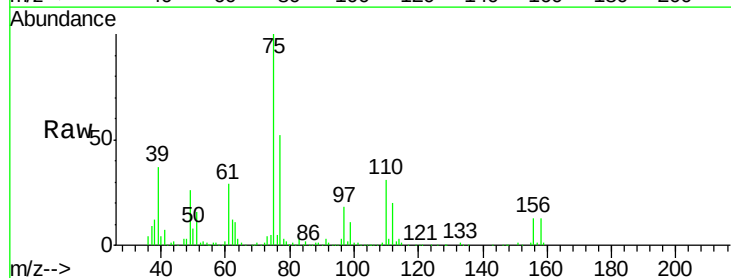
RT: 12.77 min Scan# 1782

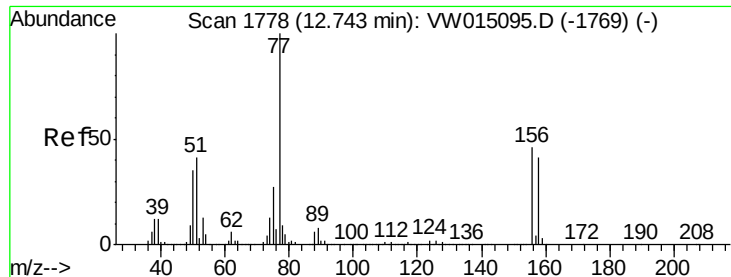
Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Tgt Ion:	75	Resp:	131274
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.775 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

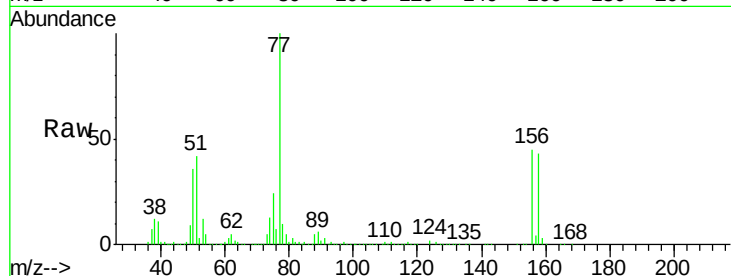
Tot Ion:156 Resp: 102435

Ion Ratio Lower Upper

156 100

77 254.3 126.6 379.8

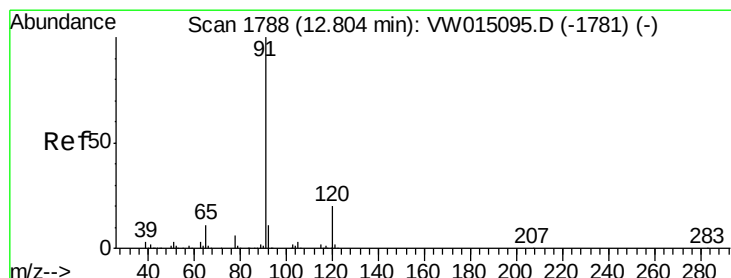
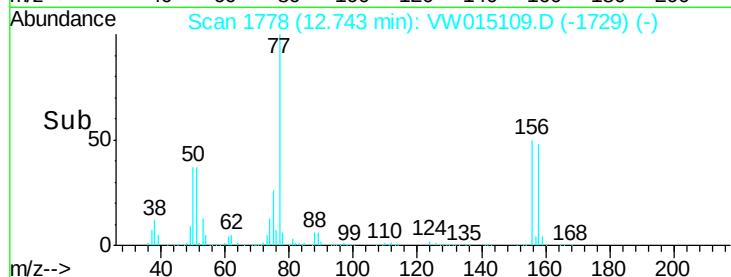
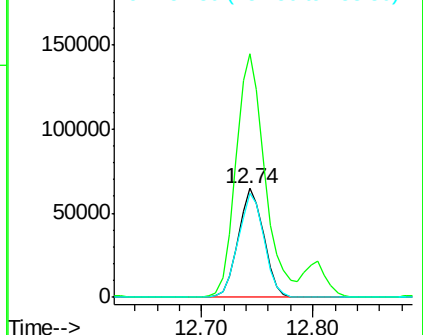
158 96.9 47.4 142.2



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: 22.992 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015109.D

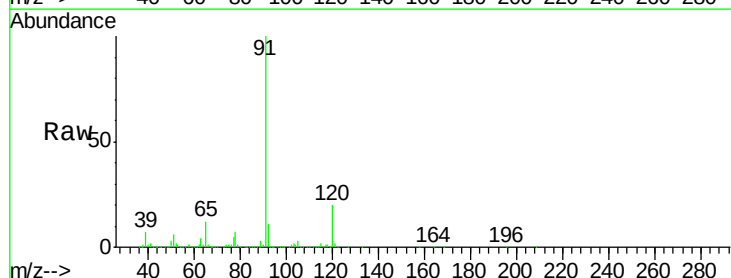
Acq: 10 Mar 2020 13:17

Tgt Ion: 91 Resp: 711157

Ion Ratio Lower Upper

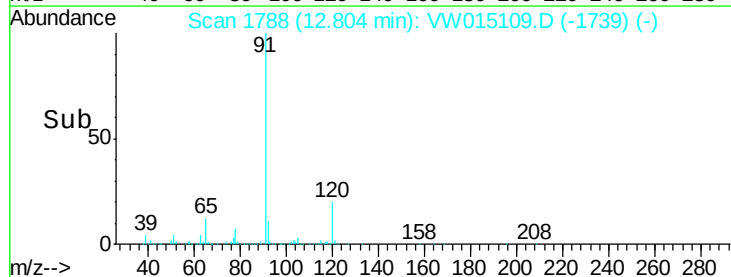
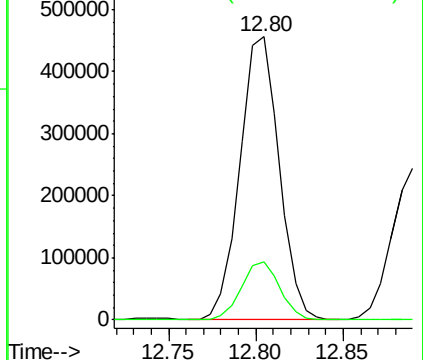
91 100

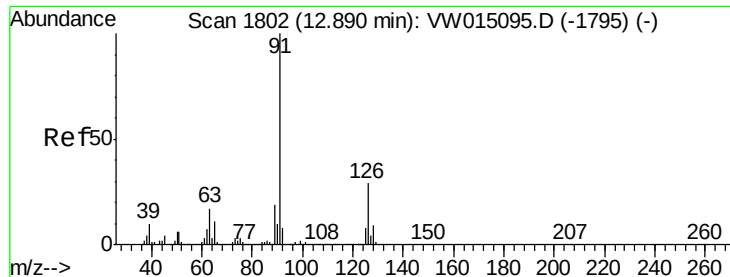
120 20.1 10.2 30.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.494 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

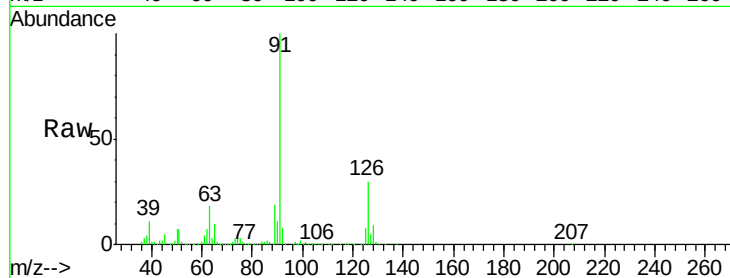
ClientSampleId :

Tot Ion: 91 Resp: 391188

Ion Ratio Lower Upper

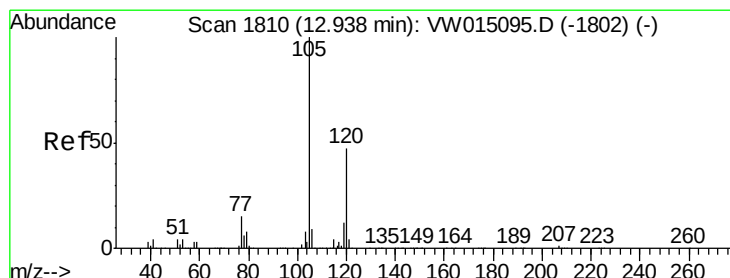
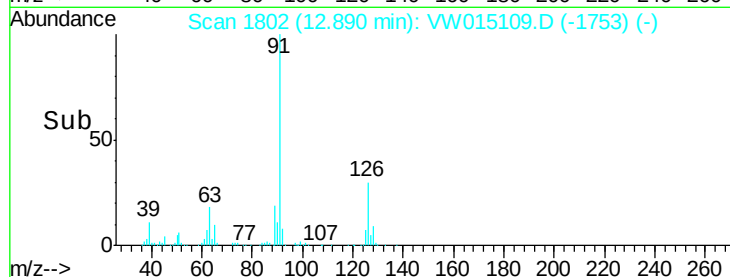
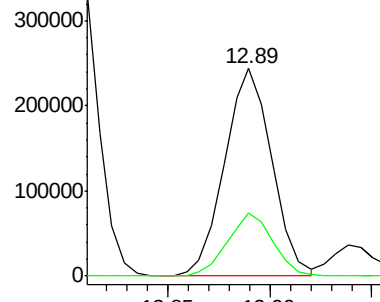
91 100

126 29.4 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.640 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW015109.D

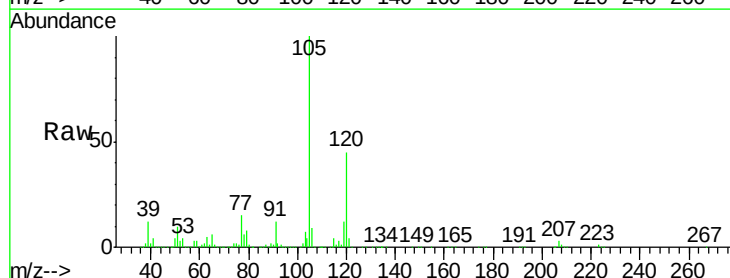
Acq: 10 Mar 2020 13:17

Tgt Ion:105 Resp: 463303

Ion Ratio Lower Upper

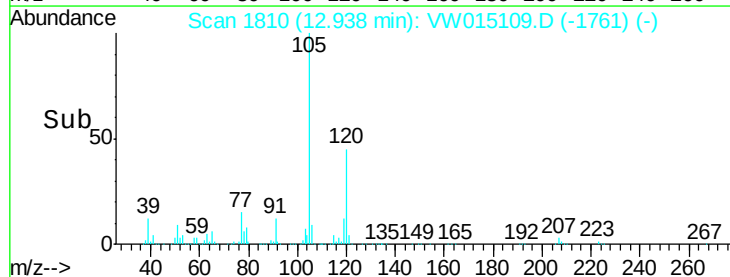
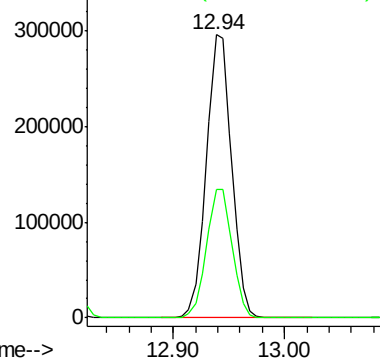
105 100

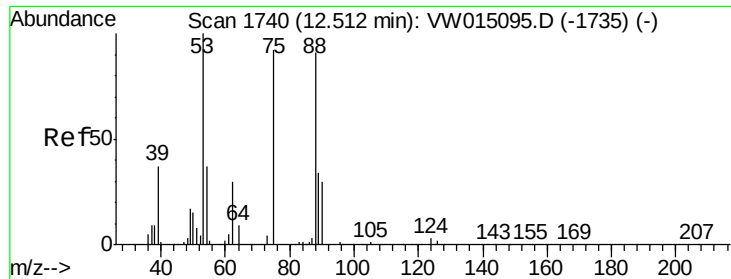
120 46.1 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.818 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

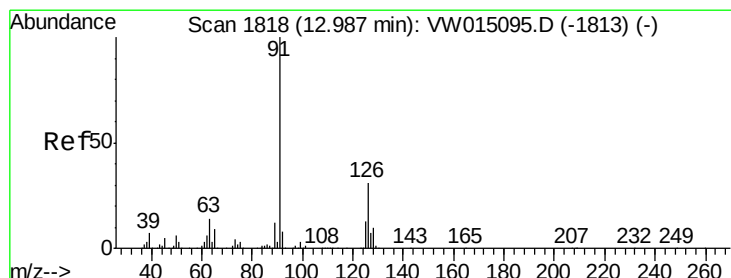
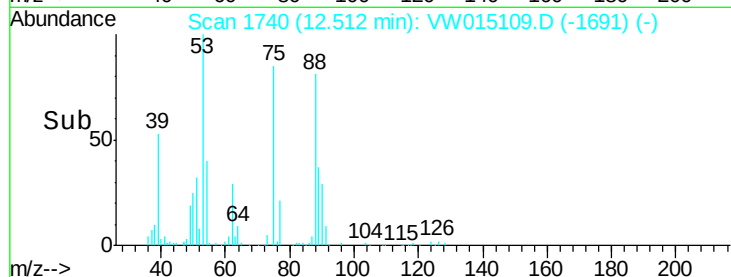
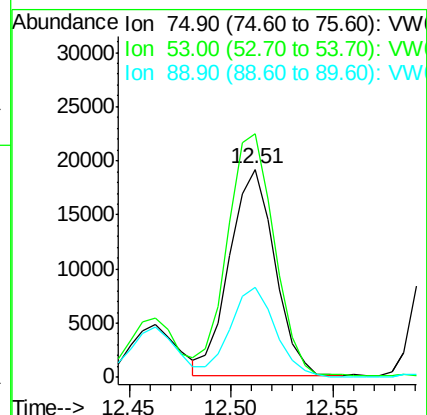
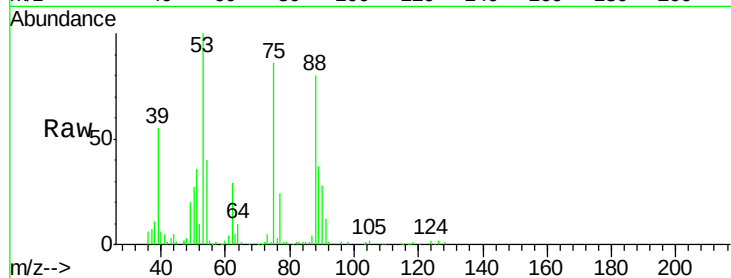
Tot Ion: 75 Resp: 29338

Ion Ratio Lower Upper

75 100

53 122.6 88.4 132.6

89 44.7 33.1 49.7



#82

4-Chlorotoluene

Concen: 22.469 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015109.D

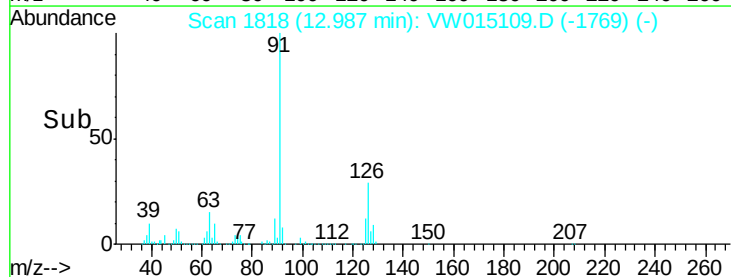
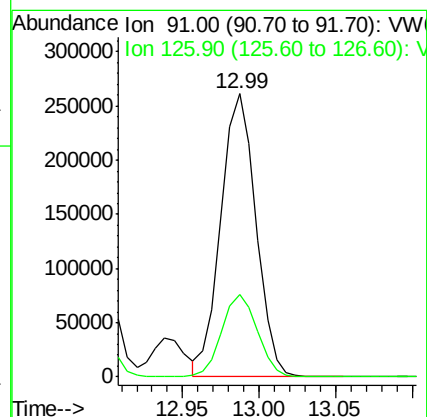
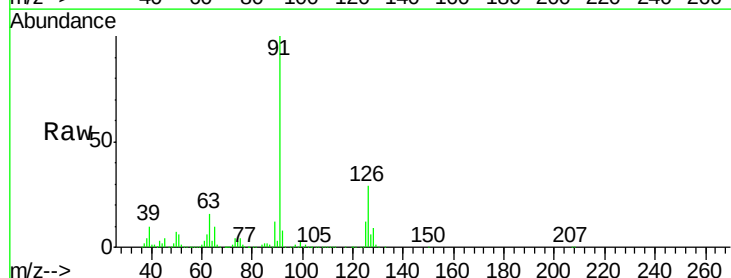
Acq: 10 Mar 2020 13:17

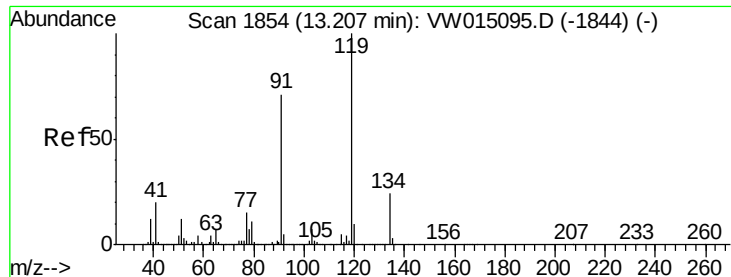
Tgt Ion: 91 Resp: 416138

Ion Ratio Lower Upper

91 100

126 29.3 14.8 44.4

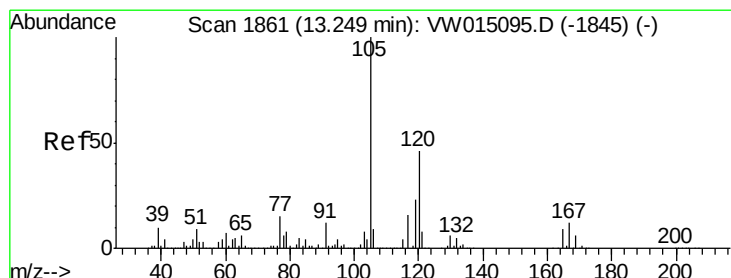
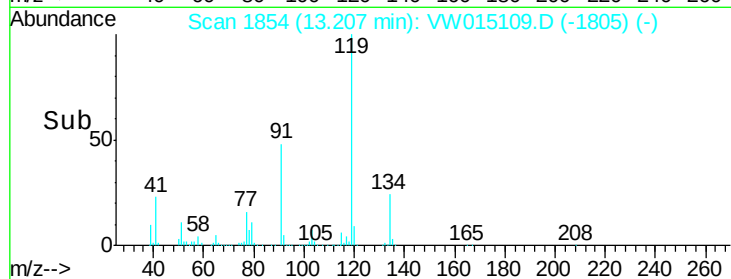
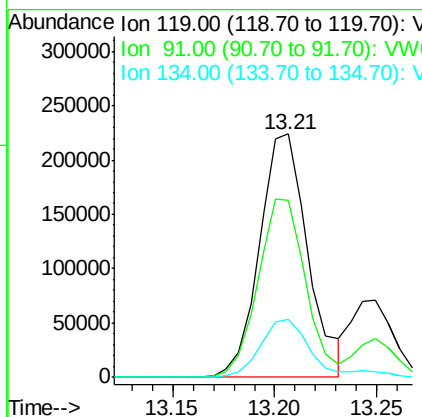
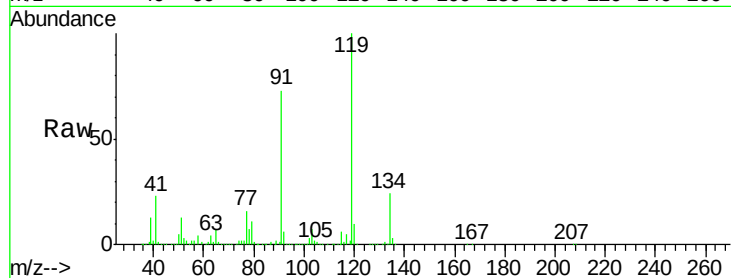




#83
 tert-Butylbenzene
 Concen: 22.325 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

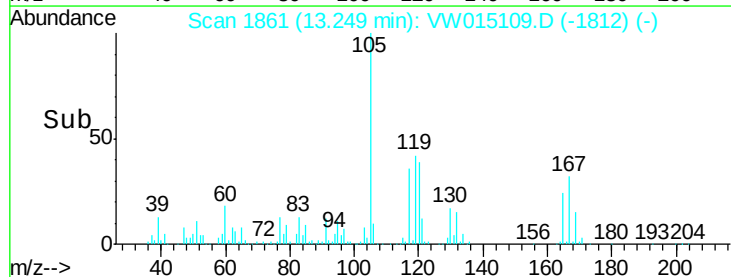
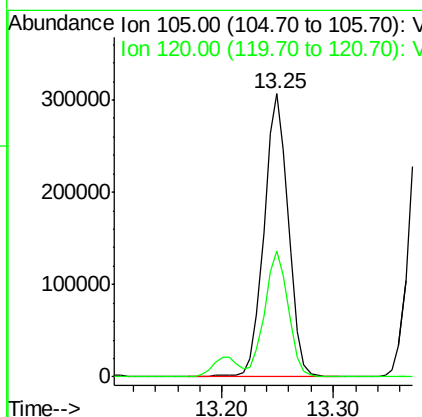
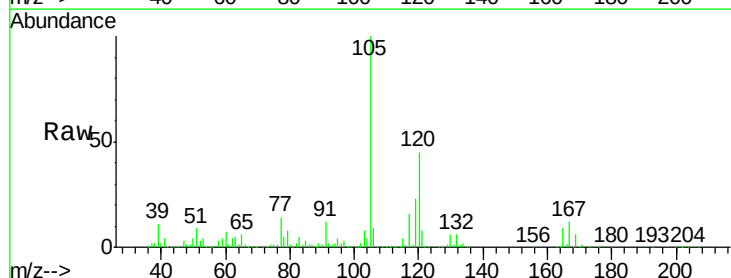
Instrument :
 MSVOA_W
 ClientSampleId :

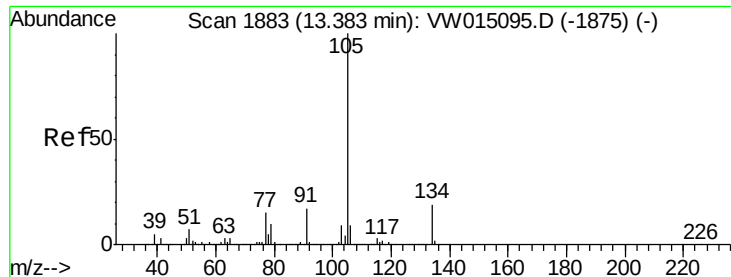
Tot Ion:119 Resp: 370121
 Ion Ratio Lower Upper
 119 100
 91 71.9 35.7 107.1
 134 24.0 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.820 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion:105 Resp: 466938
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.1 66.3





#85

sec-Butylbenzene

Concen: 22.637 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

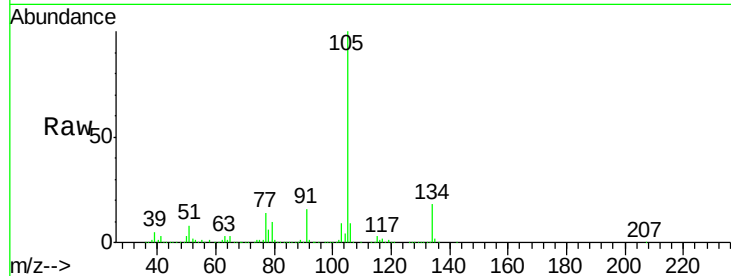
ClientSampleId :

Tot Ion:105 Resp: 567967

Ion Ratio Lower Upper

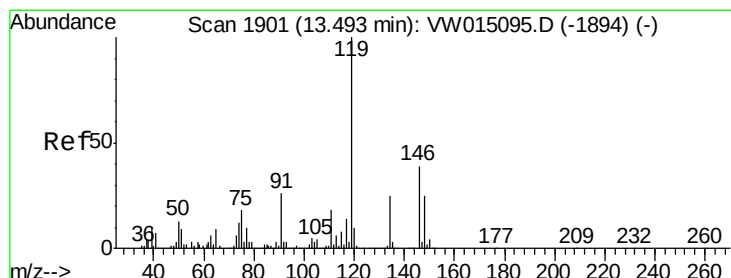
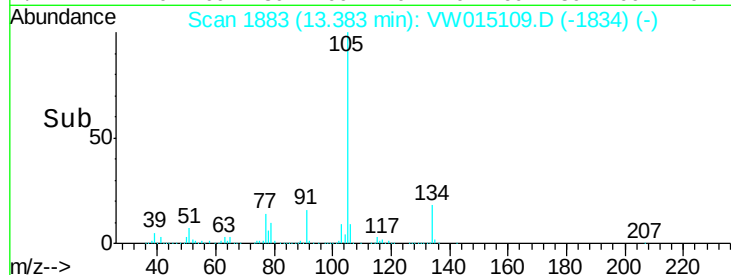
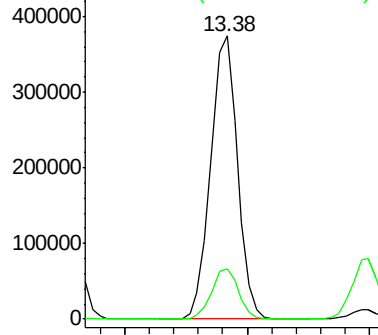
105 100

134 18.0 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: 22.503 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

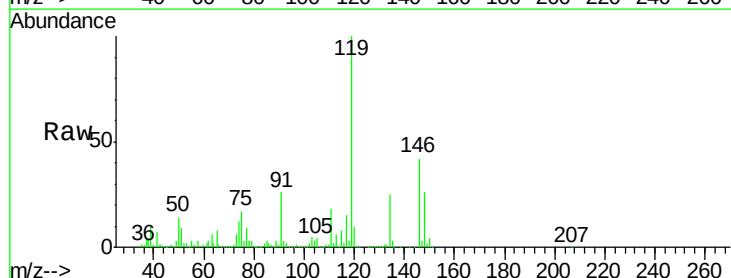
Tgt Ion:119 Resp: 485324

Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.8

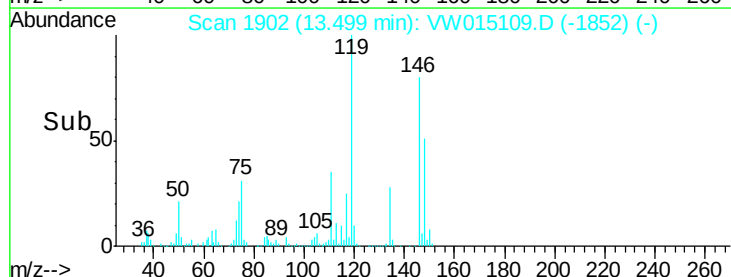
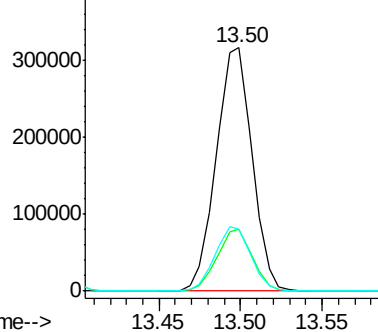
91 26.5 12.9 38.6

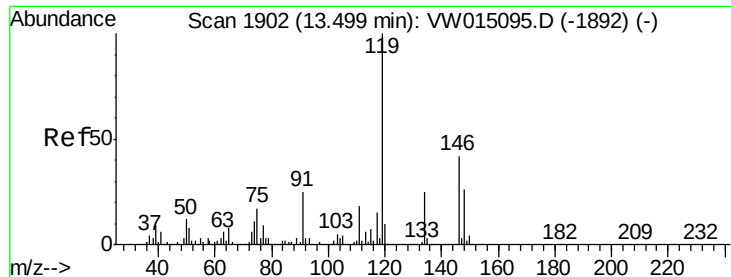


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.792 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015109.D

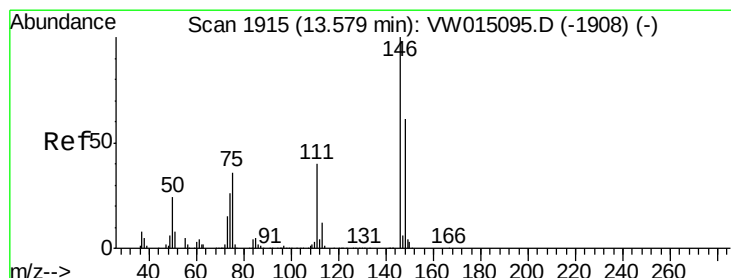
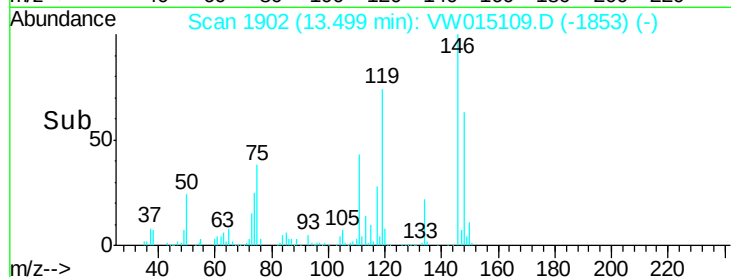
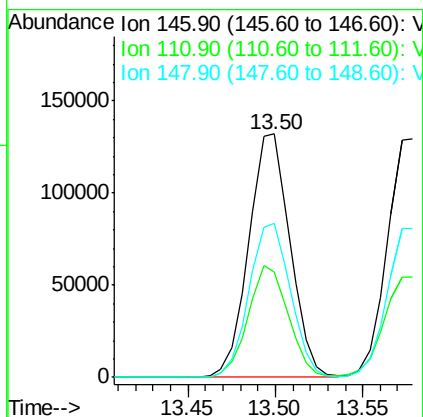
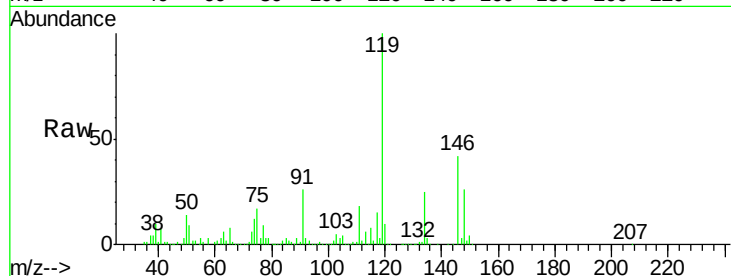
Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	217212
Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.5	67.5
148	63.5	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 21.611 ug/l

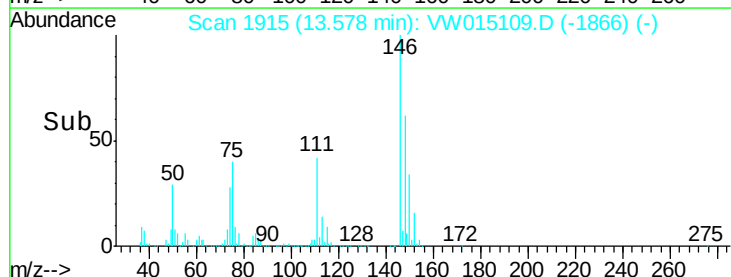
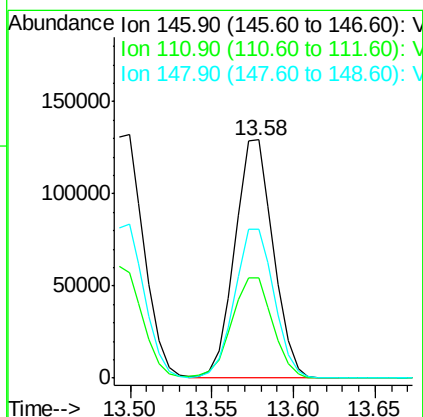
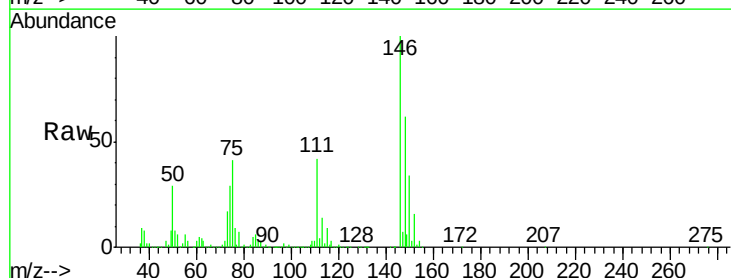
RT: 13.58 min Scan# 1915

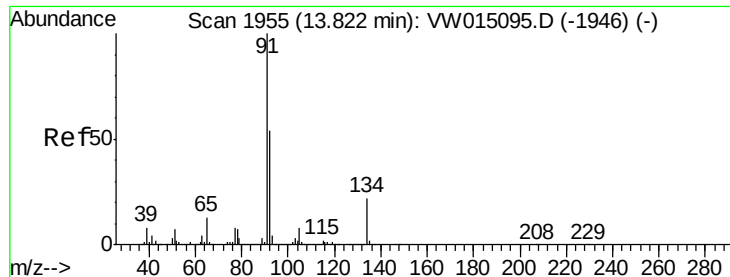
Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Tgt Ion:	146	Resp:	212103
Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.3	63.9
148	64.7	31.6	94.8





#89

n-Butylbenzene

Concen: 22.657 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015109.D

Acq: 10 Mar 2020 13:17

Instrument :

MSVOA_W

ClientSampled :

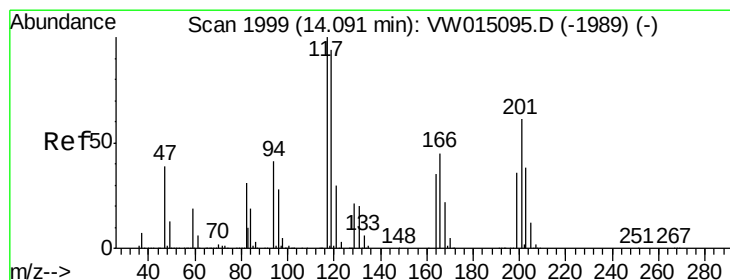
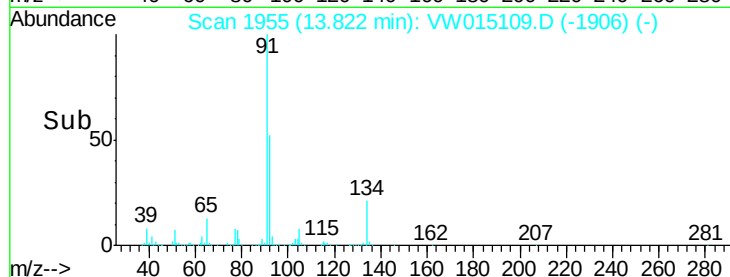
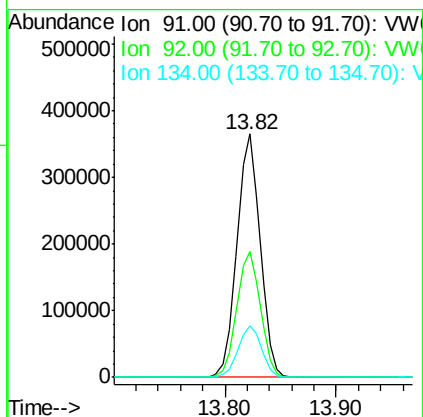
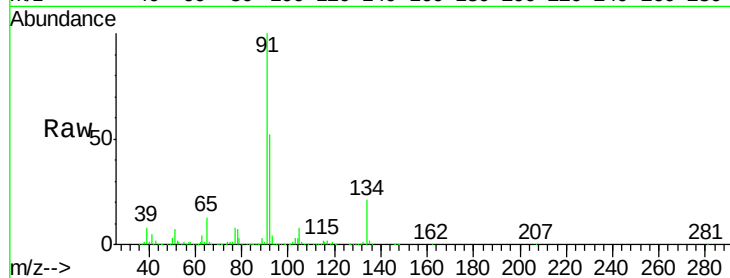
Tot Ion: 91 Resp: 526980

Ion Ratio Lower Upper

91 100

92 52.2 26.8 80.3

134 21.4 10.8 32.4



#90

Hexachloroethane

Concen: 21.293 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015109.D

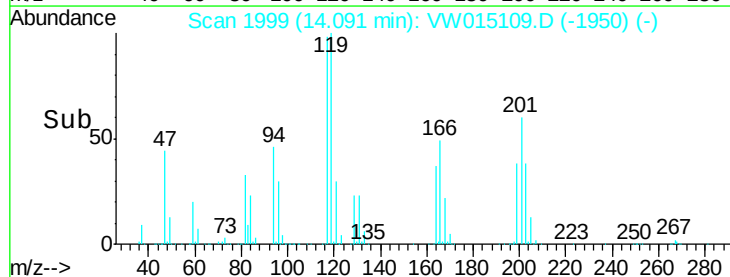
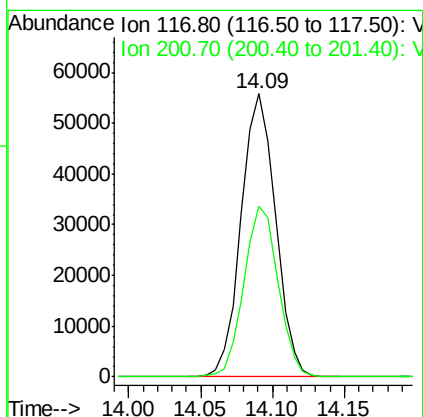
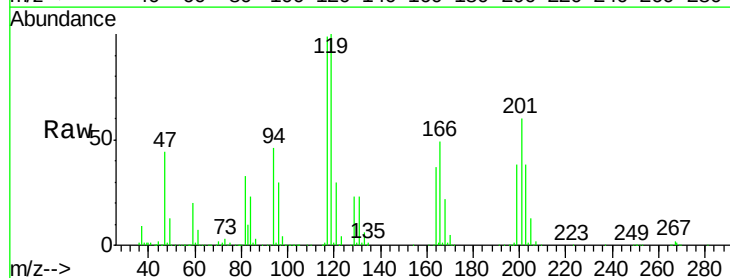
Acq: 10 Mar 2020 13:17

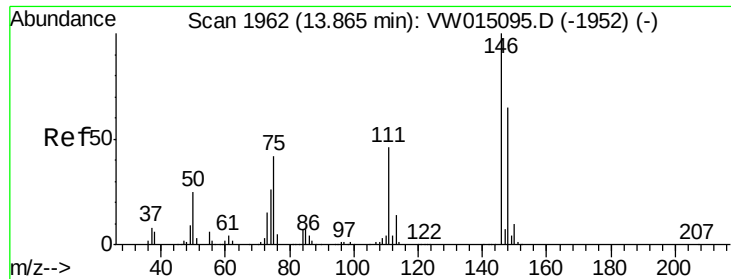
Tgt Ion: 117 Resp: 92100

Ion Ratio Lower Upper

117 100

201 60.1 30.3 90.9

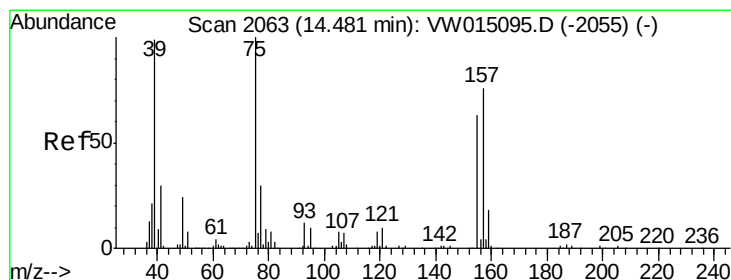
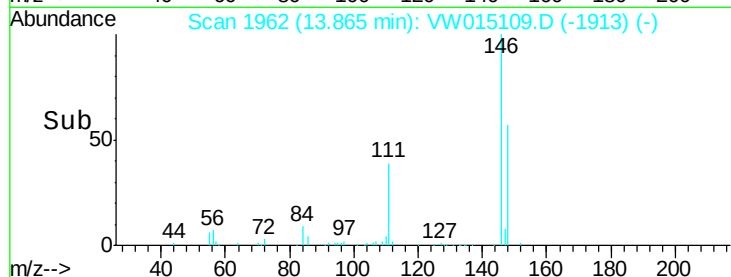
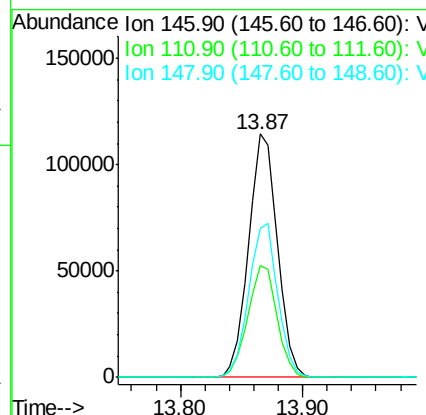
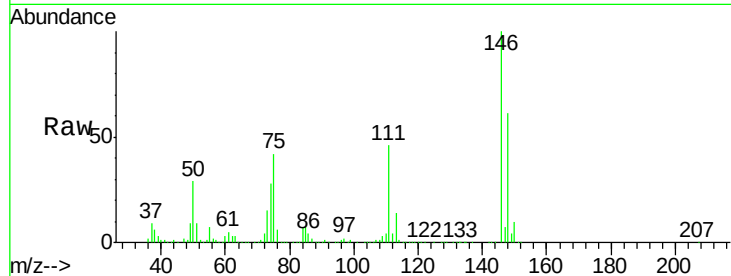




#91
 1,2-Dichlorobenzene
 Concen: 21.530 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

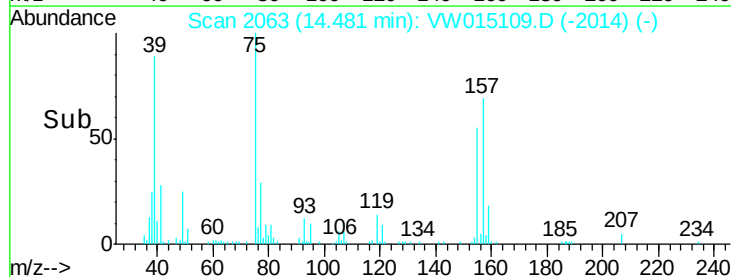
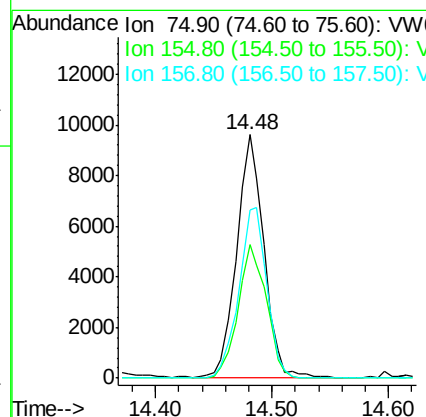
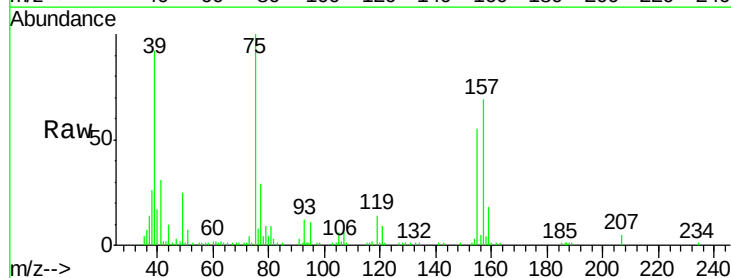
Instrument :
 MSVOA_W
 ClientSampleId :

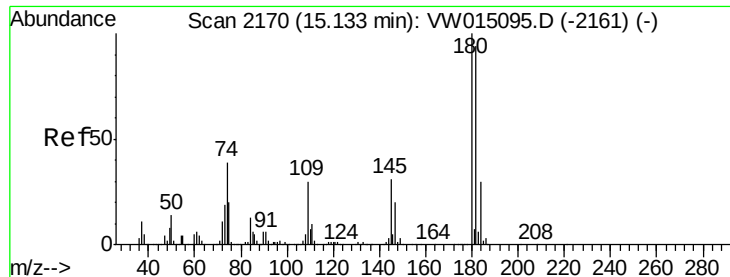
Tot Ion:146 Resp: 187948
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.1 69.2
 148 63.5 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.246 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion: 75 Resp: 15713
 Ion Ratio Lower Upper
 75 100
 155 56.7 32.1 96.3
 157 71.5 39.6 118.7

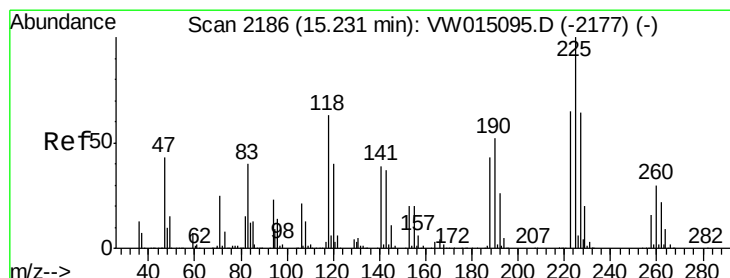
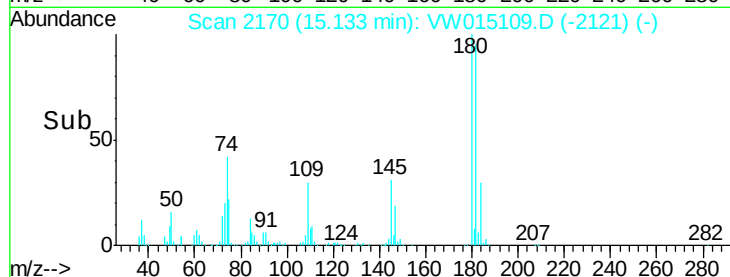
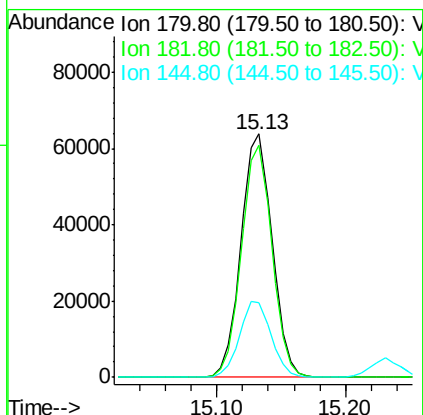
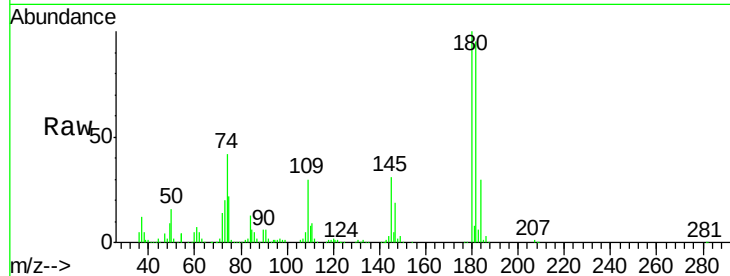




#93
 1,2,4-Trichlorobenzene
 Concen: 21.310 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

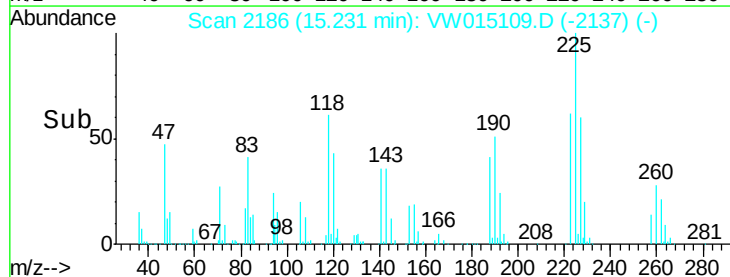
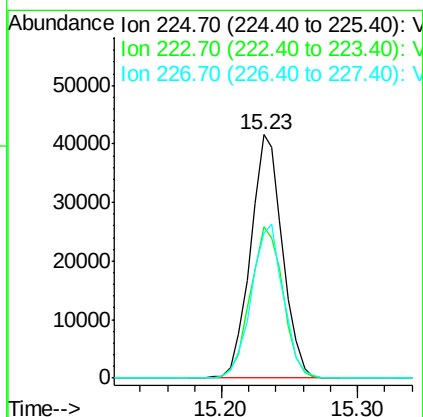
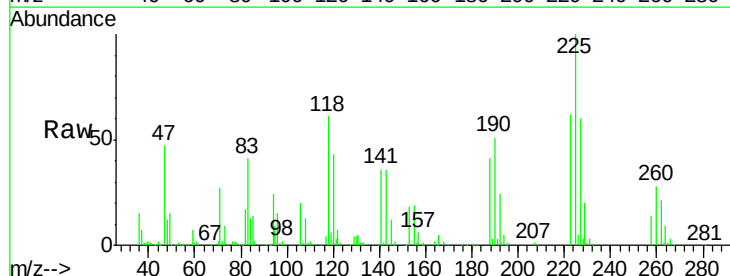
Instrument :
 MSVOA_W
 ClientSampleId :

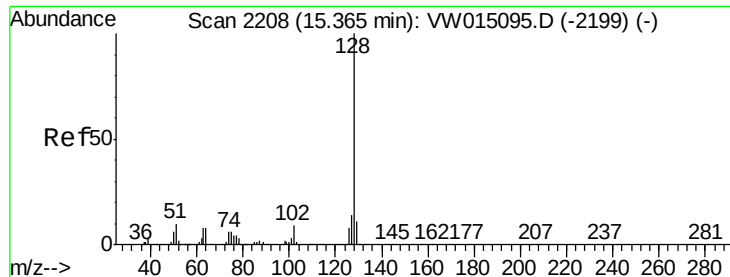
Tot Ion:180 Resp: 106453
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.6 142.9
 145 31.7 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 21.749 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW015109.D
 Acq: 10 Mar 2020 13:17

Tgt Ion:225 Resp: 68216
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.5 97.4
 227 63.6 33.0 99.0

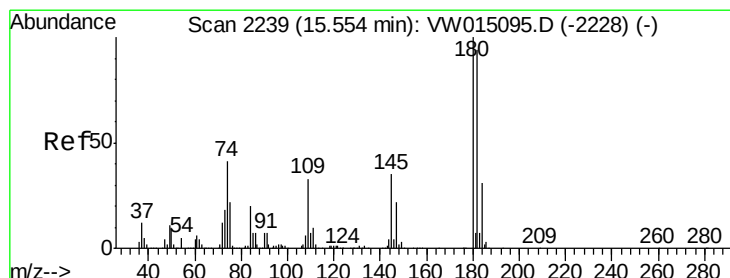
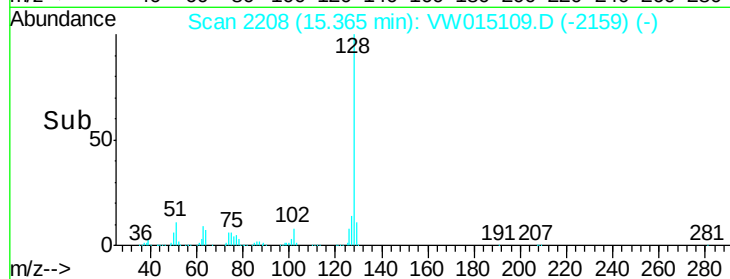
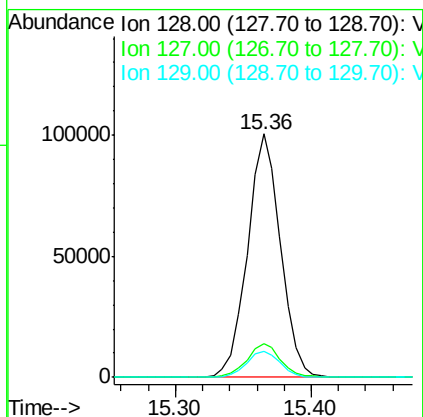
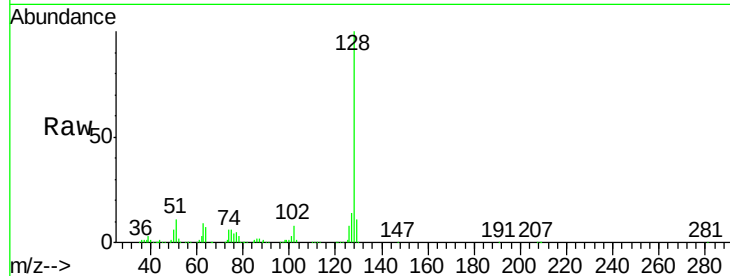




#95
Naphthalene
Concen: 17.760 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 170625
Ion Ratio Lower Upper
128 100
127 14.3 10.7 16.1
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.337 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015109.D
Acq: 10 Mar 2020 13:17

Tgt Ion:180 Resp: 90109
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.7
145 35.3 17.5 52.6

