

Data File : VW015308.D
Acq On : 22 Apr 2020 15:14
Operator : SY/VA
Sample : L2314-18MSD
Misc : 5.16G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MSD

Quant Time: Apr 23 07:03:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	141259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	214675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	32167	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	74072	64.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.24%	
35) Dibromofluoromethane	7.88	113	70705	59.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.92%	
50) Toluene-d8	10.32	98	223923	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
62) 4-Bromofluorobenzene	12.62	95	45600	23.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.78%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	70223	62.951 ug/l	97
3) Chloromethane	2.22	50	77101	63.470 ug/l	99
4) Vinyl Chloride	2.36	62	81529	56.835 ug/l	100
5) Bromomethane	2.76	94	69804	68.439 ug/l	92
6) Chloroethane	2.92	64	53482	60.106 ug/l	98
7) Trichlorofluoromethane	3.26	101	115639	56.969 ug/l	97
8) Diethyl Ether	3.69	74	40918	71.816 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59988	47.923 ug/l	92
10) Methyl Iodide	4.28	142	78039	59.356 ug/l	98
11) Tert butyl alcohol	5.17	59	35737	379.523 ug/l	98
12) 1,1-Dichloroethene	4.04	96	61401	50.961 ug/l	93
13) Acrolein	3.90	56	7529	152.766 ug/l	98
14) Allyl chloride	4.68	41	73291	45.853 ug/l	88
15) Acrylonitrile	5.37	53	81418	375.501 ug/l	99
16) Acetone	4.12	43	91730	454.650 ug/l	98
17) Carbon Disulfide	4.38	76	106165	29.651 ug/l	99
18) Methyl Acetate	4.67	43	95662	179.123 ug/l	94
19) Methyl tert-butyl Ether	5.43	73	209771	75.843 ug/l	94
20) Methylene Chloride	4.92	84	80169	60.629 ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	56488	41.339 ug/l	97
22) Diisopropyl ether	6.32	45	212748	69.382 ug/l #	94
23) Vinyl Acetate	6.26	43	388241	215.761 ug/l	95
24) 1,1-Dichloroethane	6.22	63	130906	61.599 ug/l	99
25) 2-Butanone	7.17	43	108624	405.797 ug/l #	90
26) 2,2-Dichloropropane	7.17	77	126745	56.691 ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	75996	51.515 ug/l	99
28) Bromochloromethane	7.51	49	45125	58.403 ug/l #	74
29) Tetrahydrofuran	7.53	42	68709	412.000 ug/l	88
30) Chloroform	7.68	83	139125	60.658 ug/l	96
31) Cyclohexane	7.96	56	63866	29.897 ug/l	91
32) 1,1,1-Trichloroethane	7.88	97	125425	56.660 ug/l	98
36) 1,1-Dichloropropene	8.09	75	71936	37.127 ug/l	99
37) Ethyl Acetate	7.25	43	37071	58.953 ug/l	98
38) Carbon Tetrachloride	8.07	117	100648	47.534 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	42082	16.318	ug/l	97
40) Benzene	8.32	78	287442	55.536	ug/l	97
41) Methacrylonitrile	7.48	41	25334	67.145	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	91611	60.125	ug/l	98
43) Isopropyl Acetate	8.43	43	81460	61.765	ug/l	96
44) Trichloroethene	9.09	130	60420	38.164	ug/l	91
45) 1,2-Dichloropropane	9.37	63	68355	56.791	ug/l	96
46) Dibromomethane	9.46	93	38191	54.852	ug/l #	86
47) Bromodichloromethane	9.65	83	102333	54.980	ug/l	97
48) Methyl methacrylate	9.43	41	44612	71.555	ug/l #	88
49) 1,4-Dioxane	9.45	88	15167	1634.051	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	235398	380.221	ug/l	97
52) Toluene	10.39	92	163585	45.160	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	72079	39.275	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	94231	44.174	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	59022	60.540	ug/l	95
56) Ethyl methacrylate	10.65	69	78013	62.114	ug/l	93
57) 1,3-Dichloropropane	10.93	76	92096	57.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	172893	296.921	ug/l #	89
59) 2-Hexanone	10.97	43	166260	376.203	ug/l	97
60) Dibromochloromethane	11.13	129	69323	53.853	ug/l	100
61) 1,2-Dibromoethane	11.24	107	49237	51.757	ug/l	99
64) Tetrachloroethene	10.87	164	44404	44.674	ug/l	91
65) Chlorobenzene	11.66	112	132014	48.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	69488	70.746	ug/l	97
67) Ethyl Benzene	11.73	91	233792	45.874	ug/l	100
68) m/p-Xylenes	11.83	106	174207	87.206	ug/l	99
69) o-Xylene	12.16	106	93062	49.910	ug/l	99
70) Styrene	12.18	104	126678	39.856	ug/l	98
71) Bromoform	12.35	173	39370	71.137	ug/l #	96
73) Isopropylbenzene	12.46	105	182497	81.827	ug/l	99
74) N-amyl acetate	12.27	43	47361	122.062	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	57430	181.363	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66849	268.636	ug/l #	100
77) Bromobenzene	12.74	156	44833	87.495	ug/l	94
78) n-propylbenzene	12.80	91	153116	58.964	ug/l	97
79) 2-Chlorotoluene	12.89	91	103324	70.604	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	117592	61.207	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16439	144.409	ug/l	92
82) 4-Chlorotoluene	12.99	91	90667	58.352	ug/l	96
83) tert-Butylbenzene	13.21	119	99928	59.510	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	116027	61.230	ug/l	99
85) sec-Butylbenzene	13.38	105	92029	39.685	ug/l	96
86) p-Isopropyltoluene	13.50	119	86200	40.003	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	45690	44.878	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	46224	46.316	ug/l	98
89) n-Butylbenzene	13.82	91	50047	25.410	ug/l	97
90) Hexachloroethane	14.09	117	16647	42.125	ug/l	73
91) 1,2-Dichlorobenzene	13.87	146	48753	55.106	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9023	157.456	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042220\
Quantitation Report (Not Reviewed)

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ClientSampleId :
WB-4-1MSD

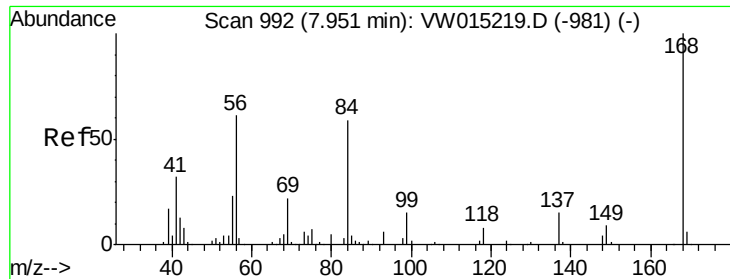
Quant Time: Apr 23 07:03:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	10166	16.532	ug/l	97
94) Hexachlorobutadiene	15.23	225	4974	12.132	ug/l	97
95) Naphthalene	15.36	128	52457	53.030	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	9842	19.671	ug/l	97

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

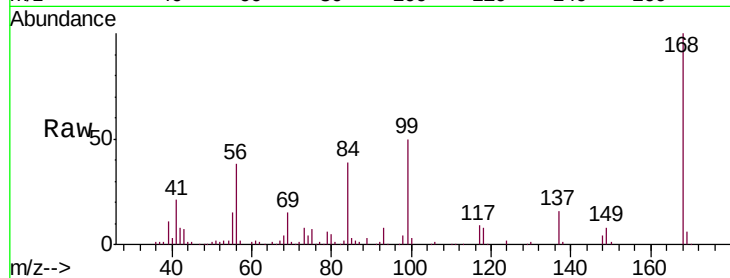
WB-4-1MSD

Tgt Ion:168 Resp: 141259

Ion Ratio Lower Upper

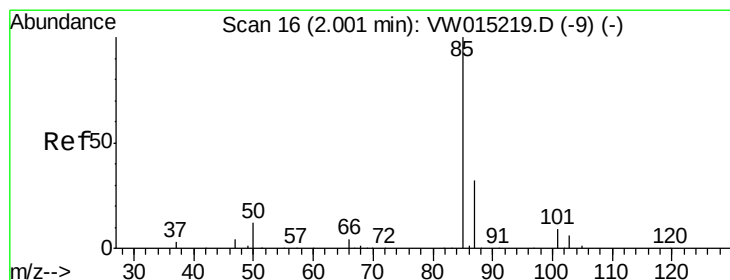
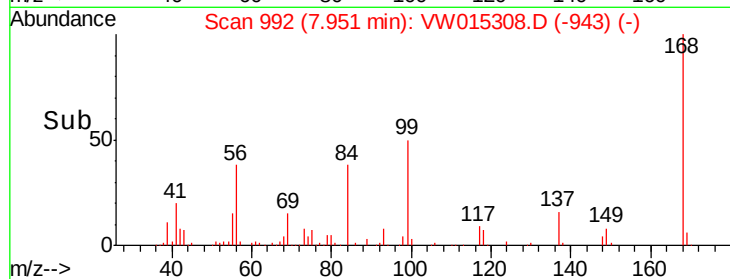
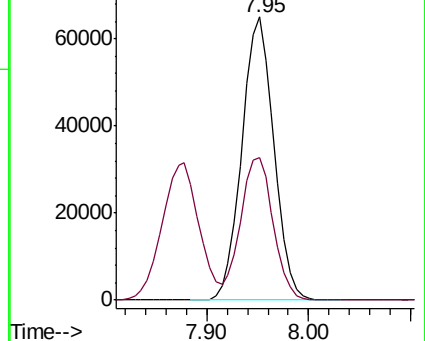
168 100

99 50.3 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 62.951 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015308.D

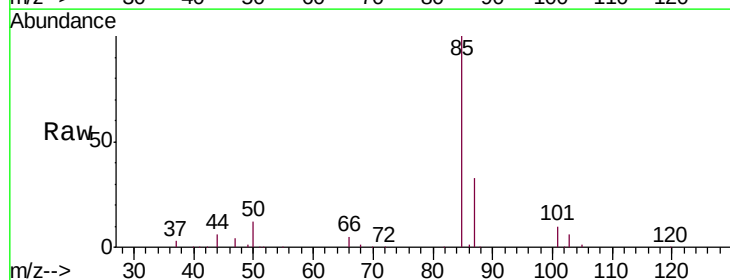
Acq: 22 Apr 2020 15:14

Tgt Ion: 85 Resp: 70223

Ion Ratio Lower Upper

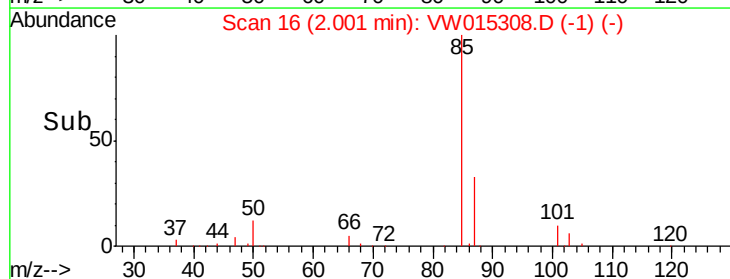
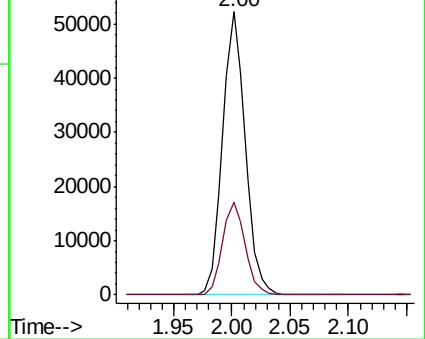
85 100

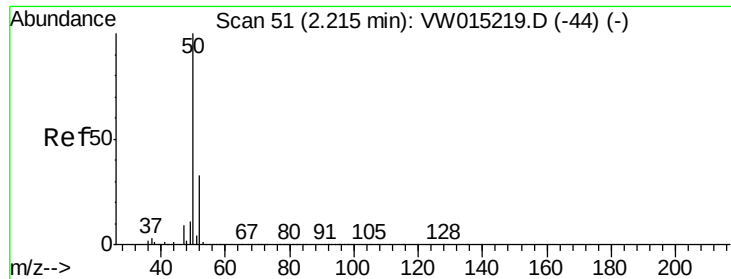
87 32.6 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 63.470 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

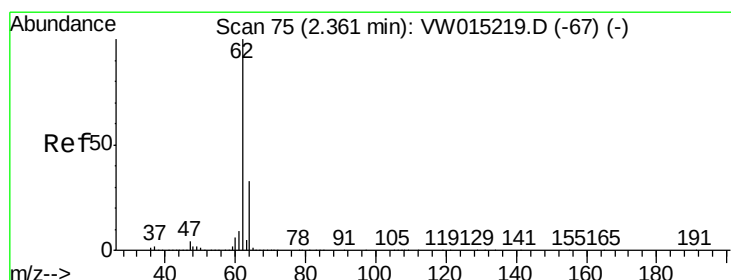
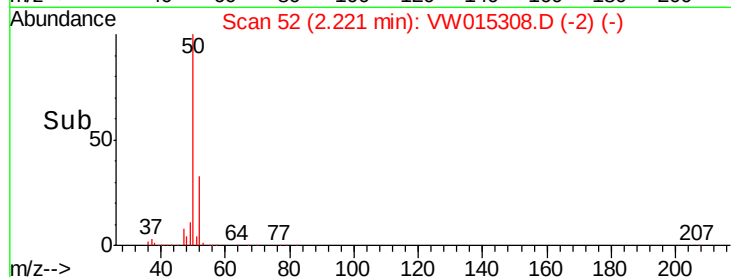
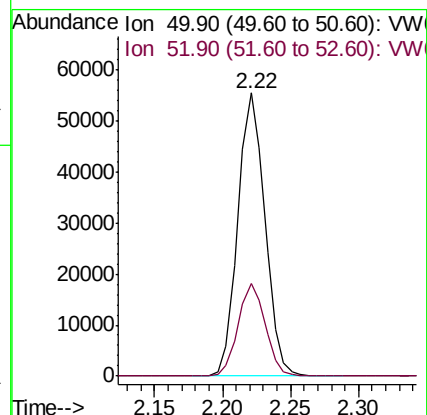
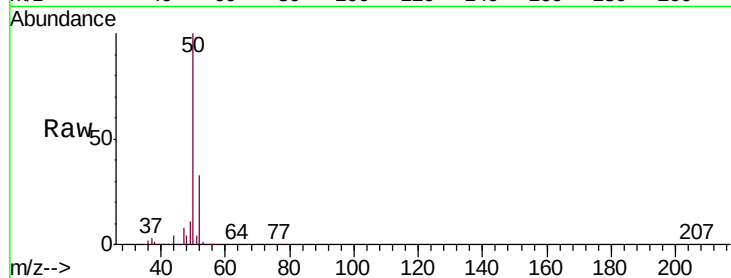
WB-4-1MSD

Tgt Ion: 50 Resp: 77101

Ion Ratio Lower Upper

50 100

52 32.5 26.5 39.7



#4

Vinyl Chloride

Concen: 56.835 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015308.D

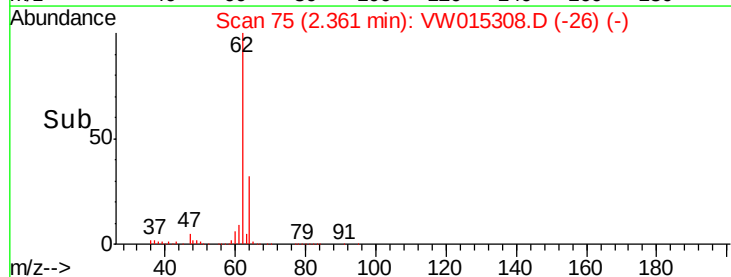
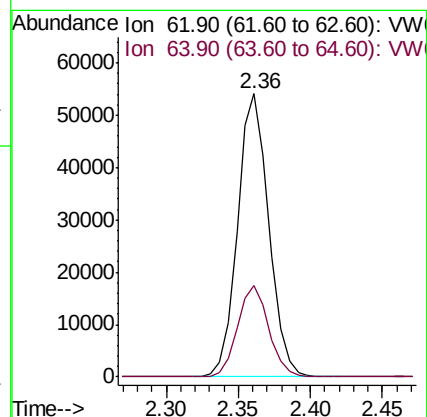
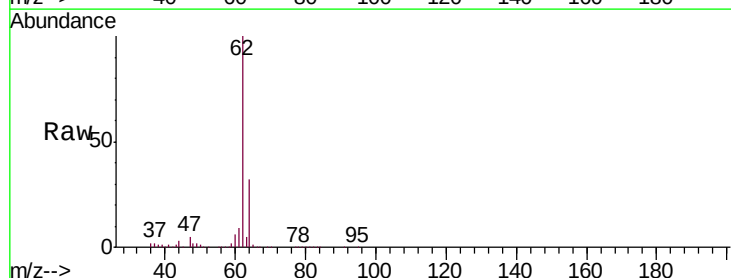
Acq: 22 Apr 2020 15:14

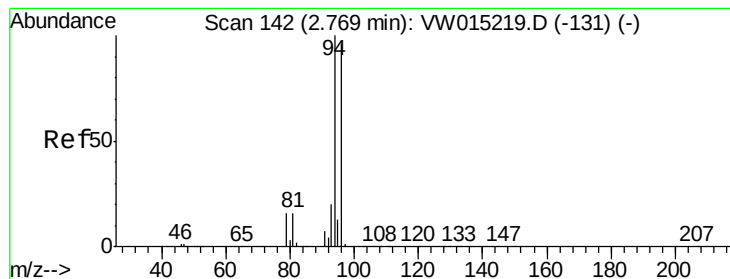
Tgt Ion: 62 Resp: 81529

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 68.439 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

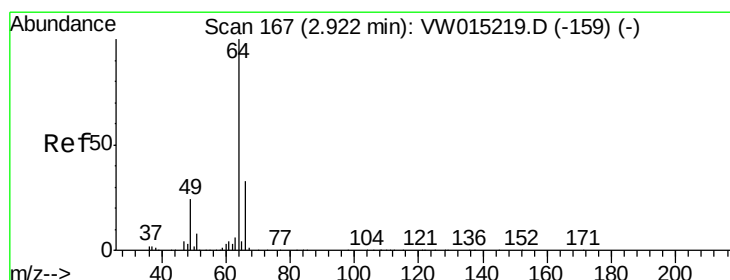
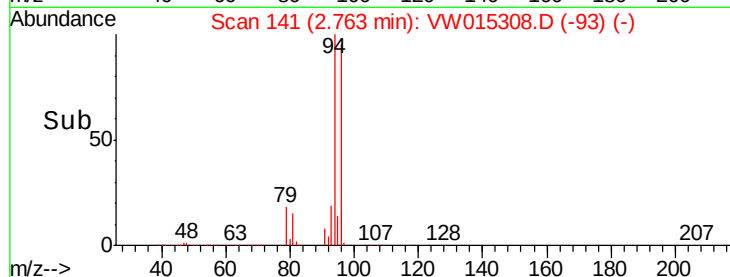
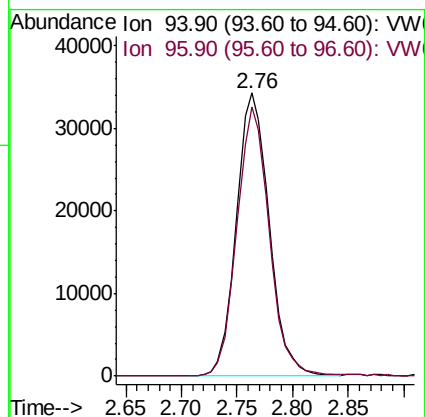
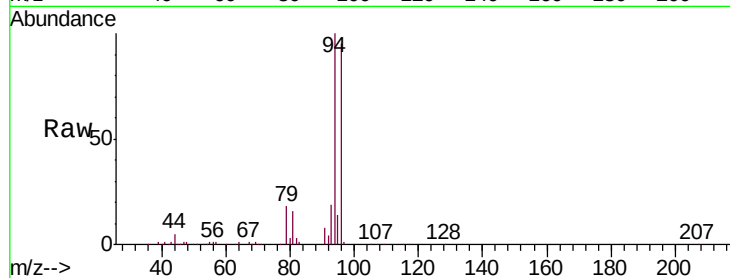
WB-4-1MSD

Tgt Ion: 94 Resp: 69804

Ion Ratio Lower Upper

94 100

96 95.1 70.4 105.6



#6

Chloroethane

Concen: 60.106 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015308.D

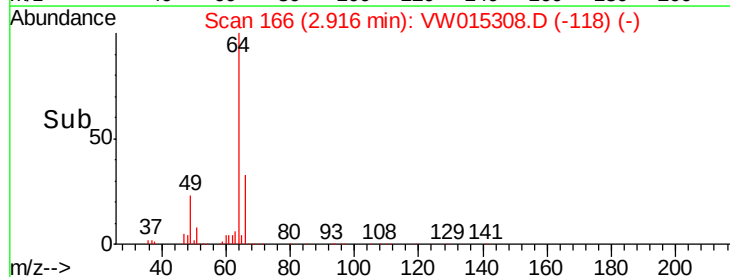
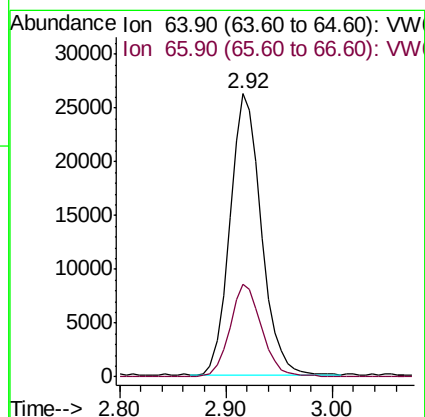
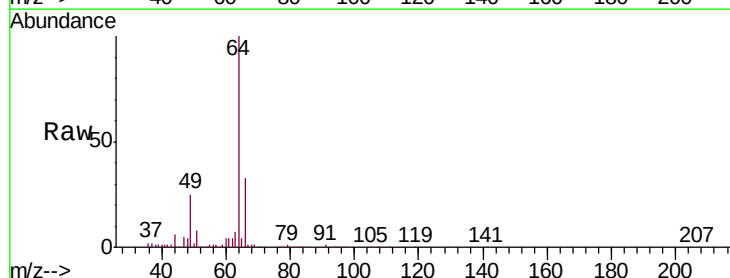
Acq: 22 Apr 2020 15:14

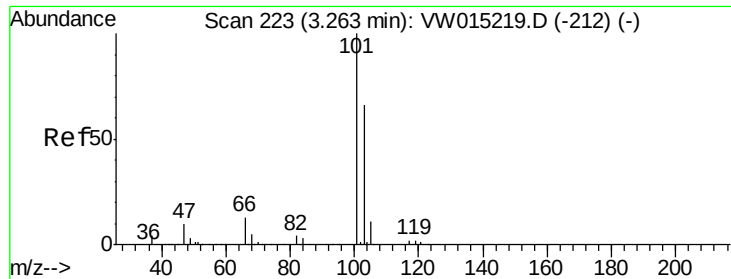
Tgt Ion: 64 Resp: 53482

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.6



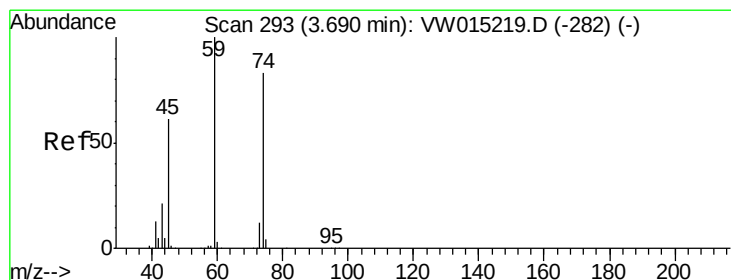
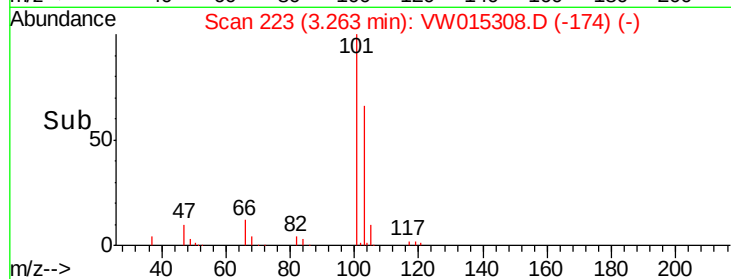
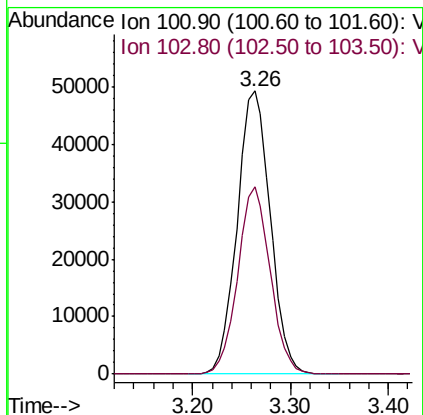
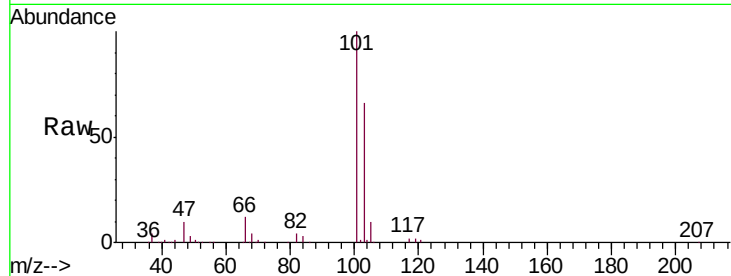


#7

Trichlorofluoromethane
 Concen: 56.969 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
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 WB-4-1MSD

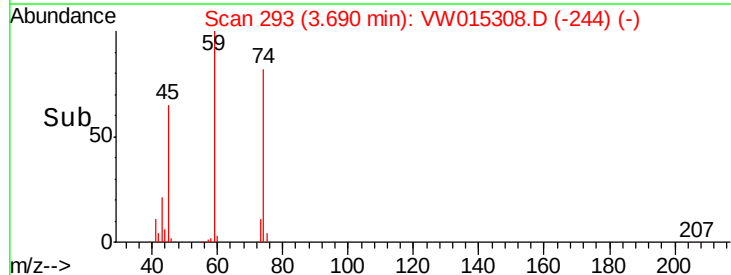
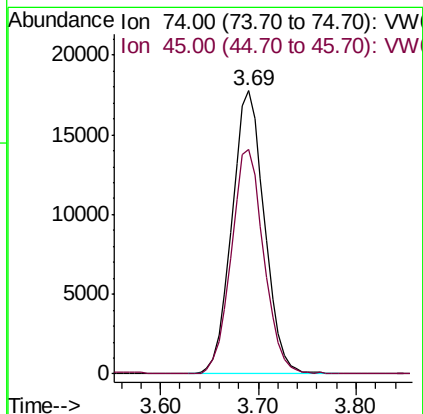
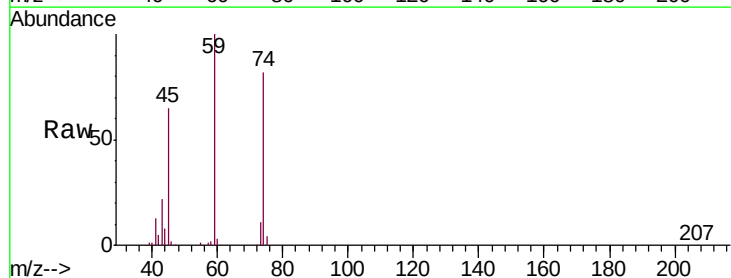
Tgt Ion:101 Resp: 115639
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.3 76.9

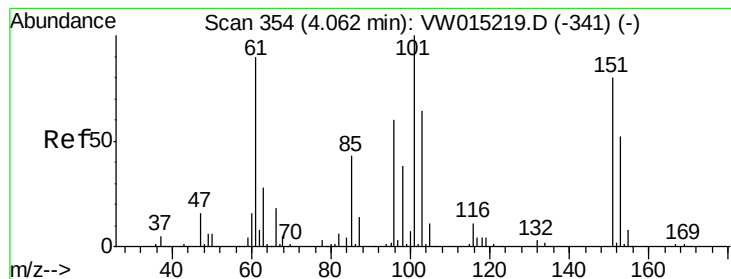


#8

Diethyl Ether
 Concen: 71.816 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Tgt Ion: 74 Resp: 40918
 Ion Ratio Lower Upper
 74 100
 45 79.2 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.923 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

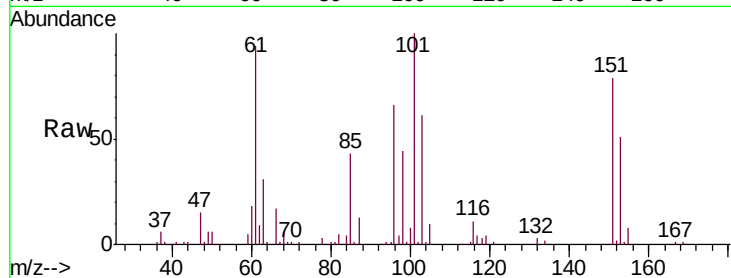
Tgt Ion:101 Resp: 59988

Ion Ratio Lower Upper

101 100

85 43.0 35.3 52.9

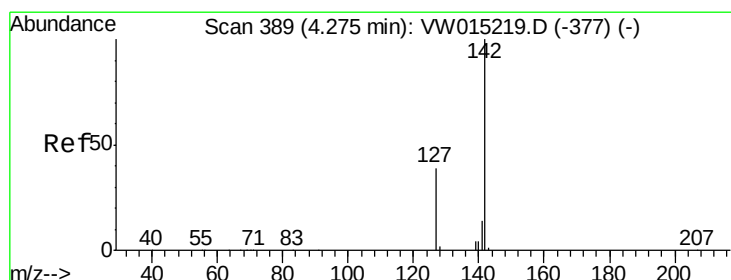
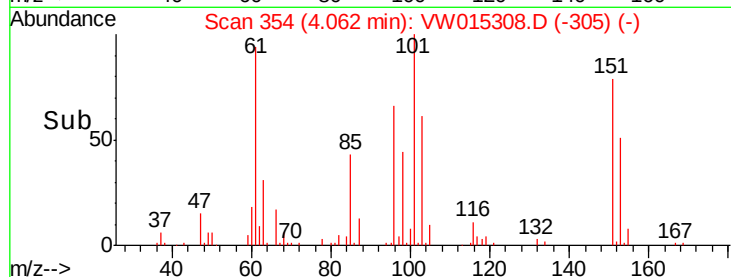
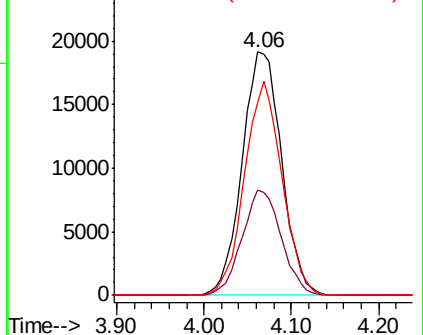
151 83.5 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 59.356 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

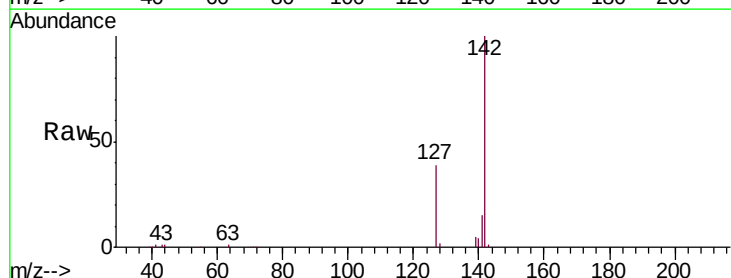
Tgt Ion:142 Resp: 78039

Ion Ratio Lower Upper

142 100

127 40.5 33.9 50.9

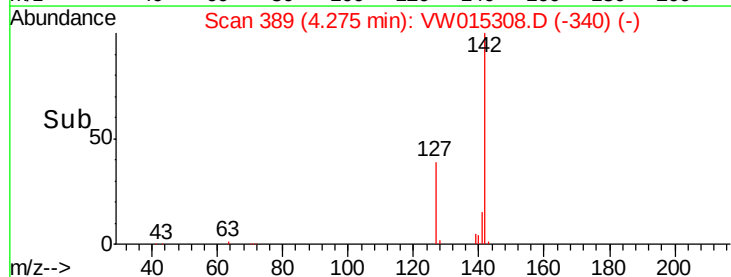
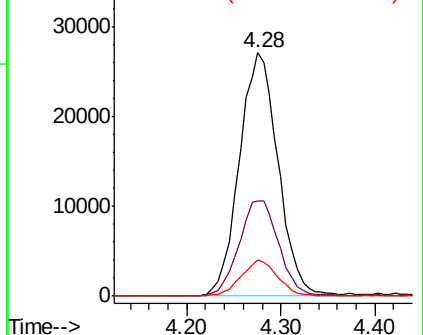
141 14.0 11.4 17.2

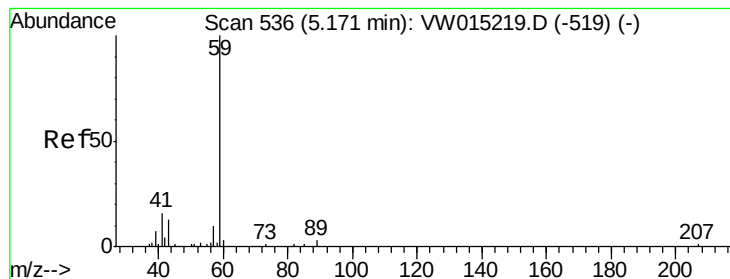


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 379.523 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampled :

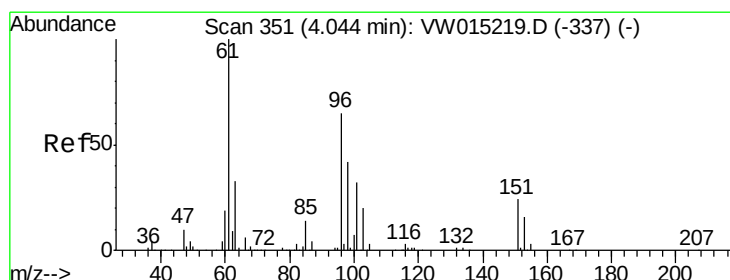
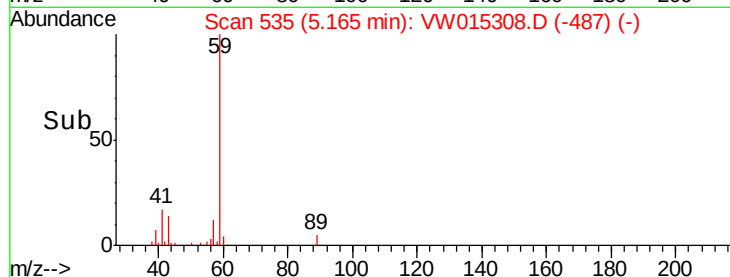
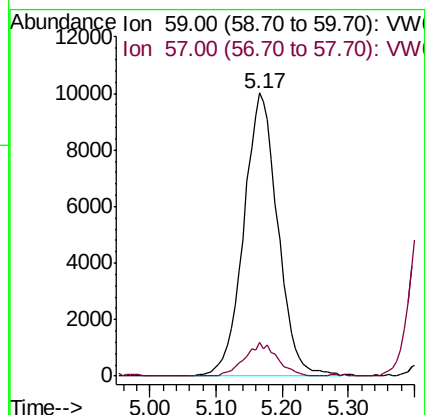
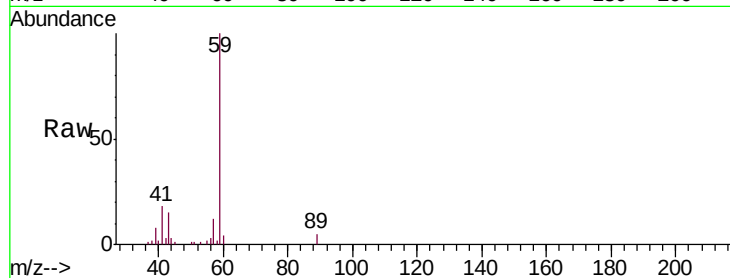
WB-4-1MSD

Tgt Ion: 59 Resp: 35737

Ion Ratio Lower Upper

59 100

57 11.2 8.4 12.6



#12

1,1-Dichloroethene

Concen: 50.961 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

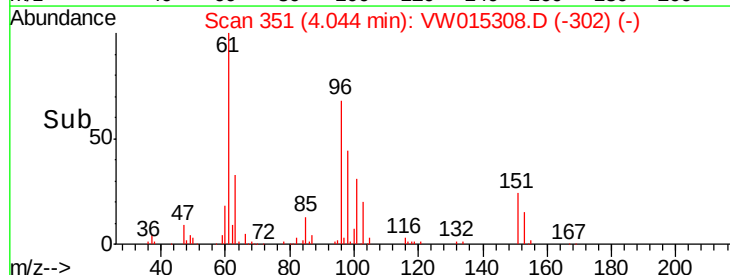
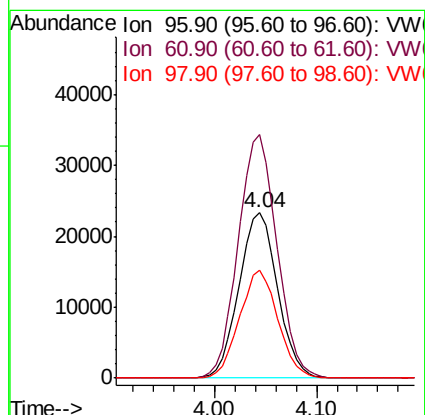
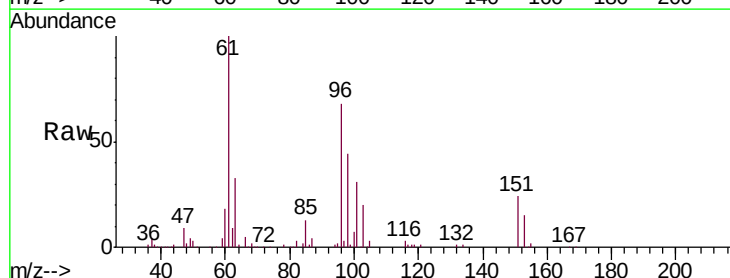
Tgt Ion: 96 Resp: 61401

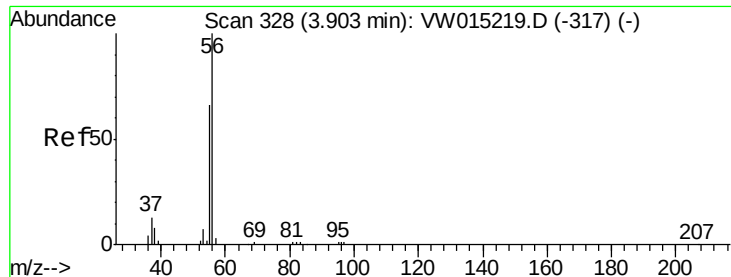
Ion Ratio Lower Upper

96 100

61 147.2 127.0 190.4

98 65.4 51.0 76.4

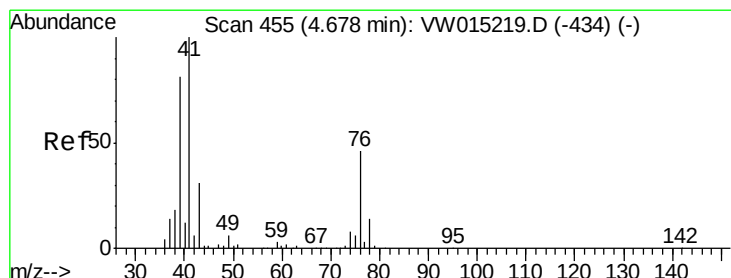
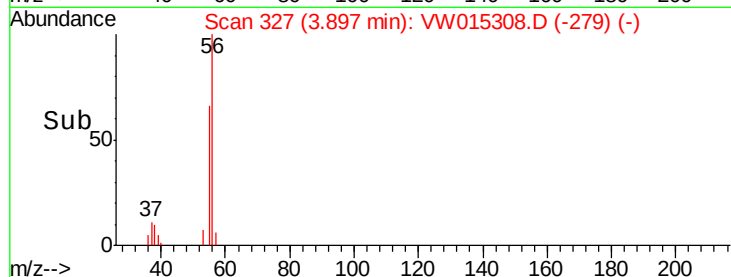
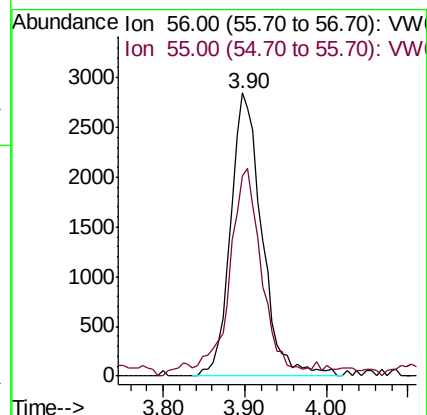
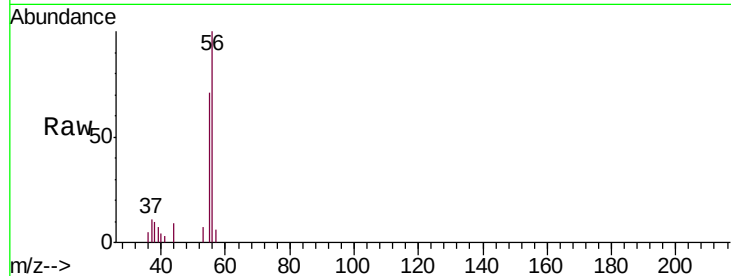




#13
 Acrolein
 Concen: 152.766 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

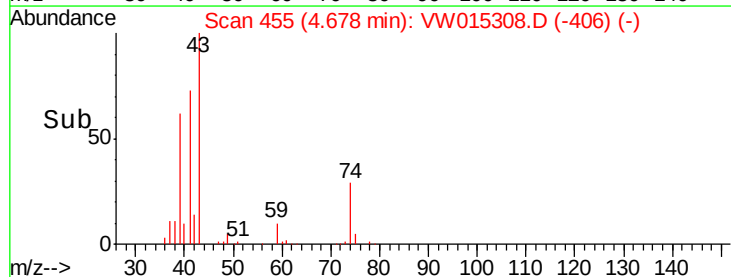
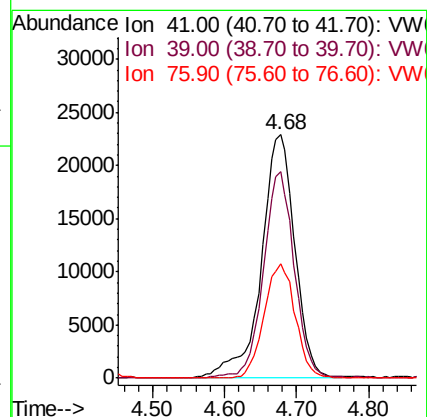
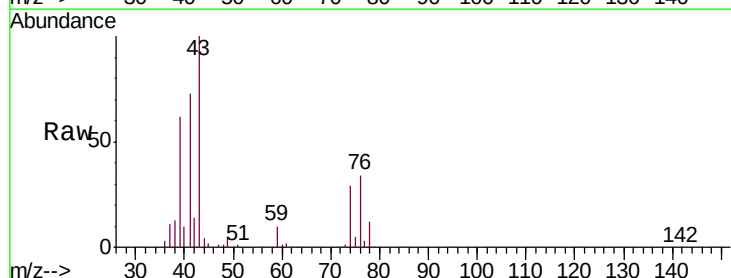
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MSD

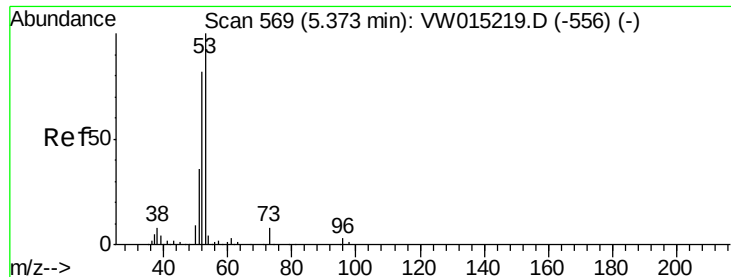
Tgt Ion: 56 Resp: 7529
 Ion Ratio Lower Upper
 56 100
 55 68.7 56.2 84.2



#14
 Allyl chloride
 Concen: 45.853 ug/l
 RT: 4.68 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Tgt Ion: 41 Resp: 73291
 Ion Ratio Lower Upper
 41 100
 39 79.0 54.0 81.0
 76 44.0 31.8 47.6





#15

Acrylonitrile

Concen: 375.501 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

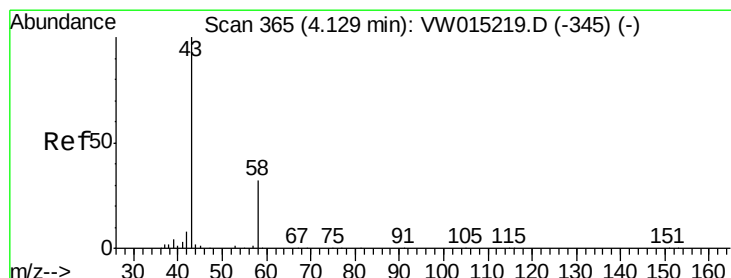
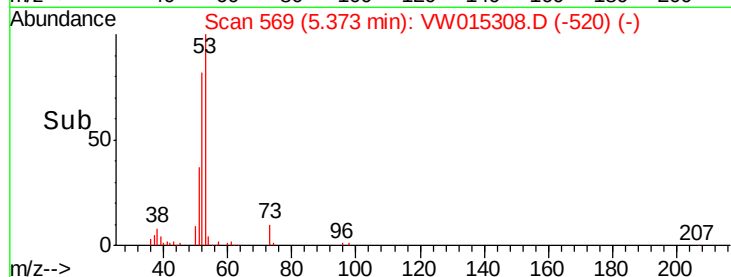
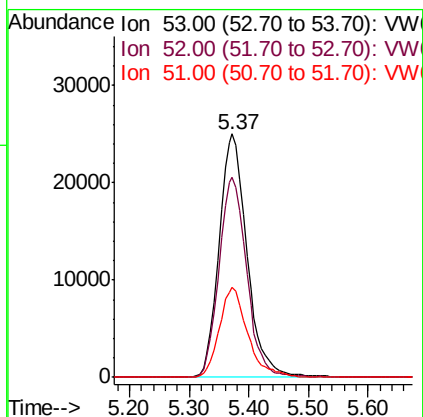
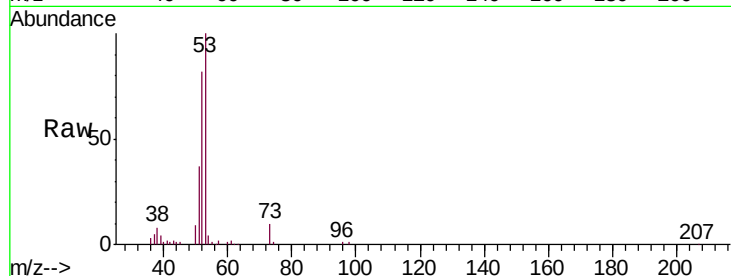
Tgt Ion: 53 Resp: 81418

Ion Ratio Lower Upper

53 100

52 81.5 65.2 97.8

51 37.8 28.2 42.4



#16

Acetone

Concen: 454.650 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015308.D

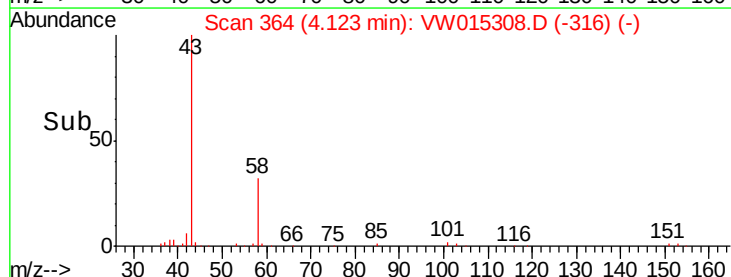
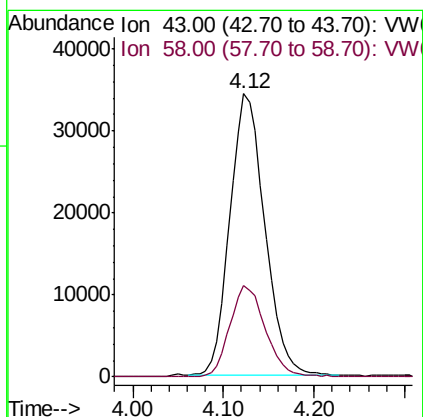
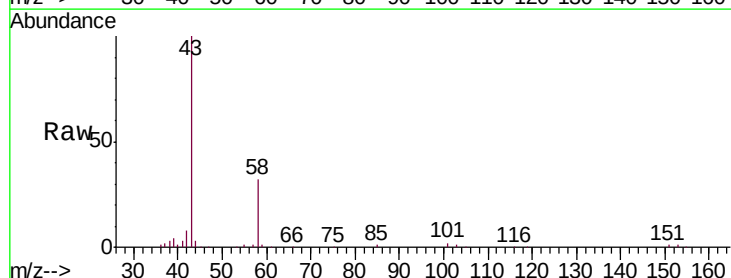
Acq: 22 Apr 2020 15:14

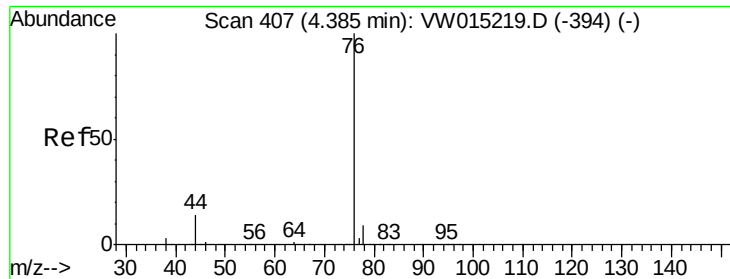
Tgt Ion: 43 Resp: 91730

Ion Ratio Lower Upper

43 100

58 32.3 27.0 40.4

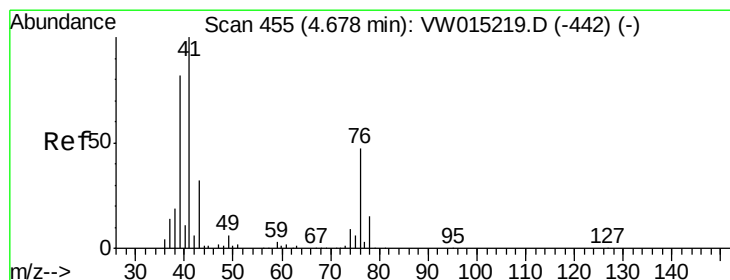
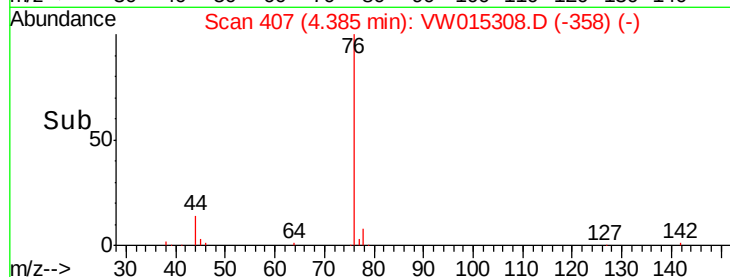
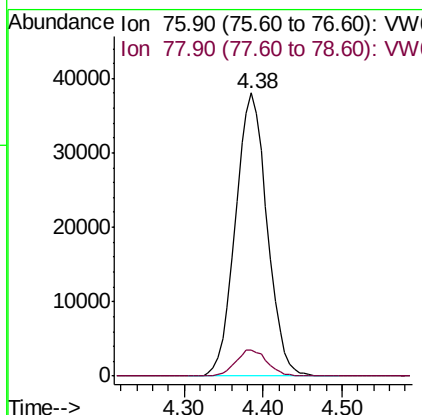
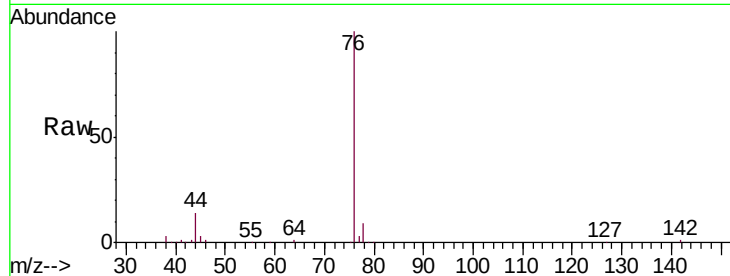




#17
Carbon Disulfide
Concen: 29.651 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

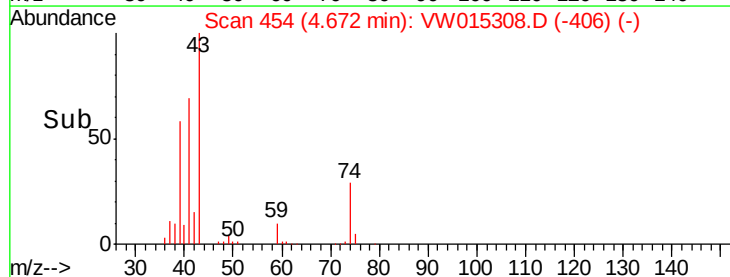
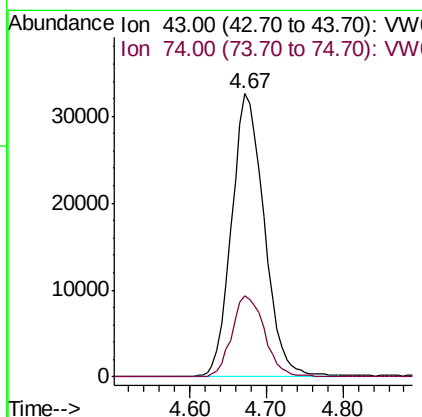
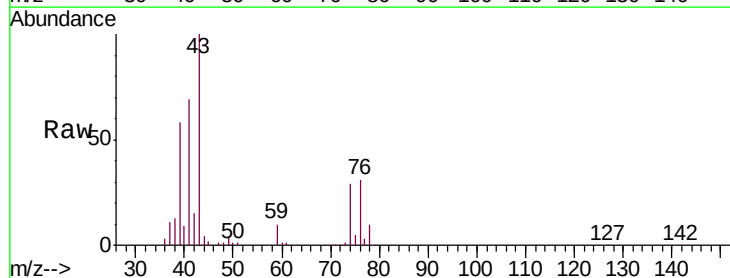
Instrument :
MSVOA_W
ClientSampled :
WB-4-1MSD

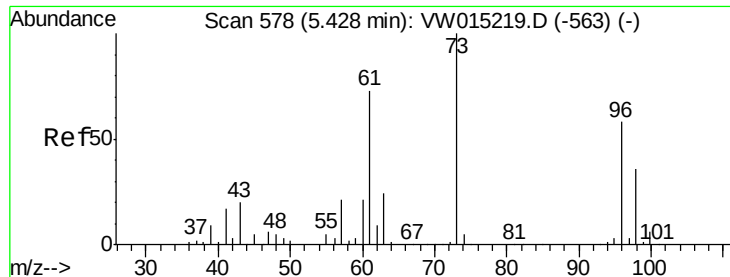
Tgt Ion: 76 Resp: 106165
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 179.123 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion: 43 Resp: 95662
Ion Ratio Lower Upper
43 100
74 29.0 20.6 31.0

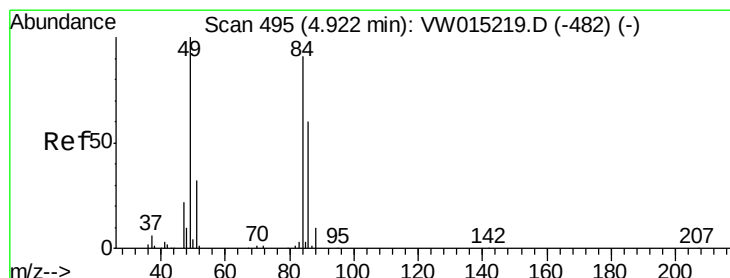
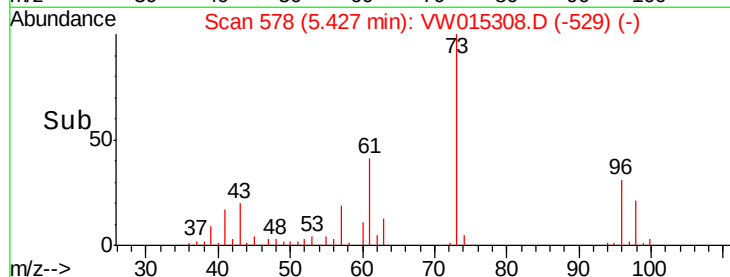
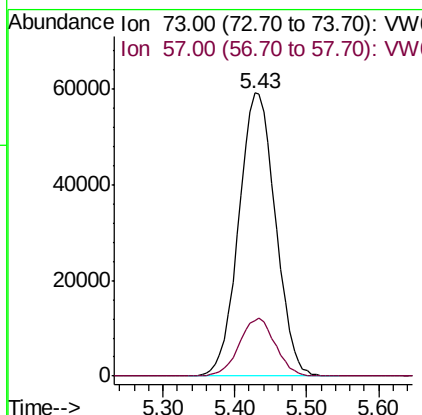
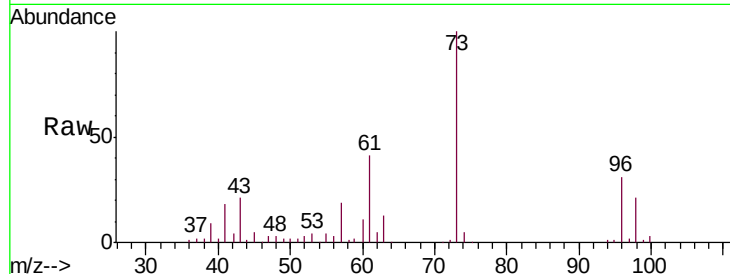




#19
Methyl tert-butyl Ether
Concen: 75.843 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

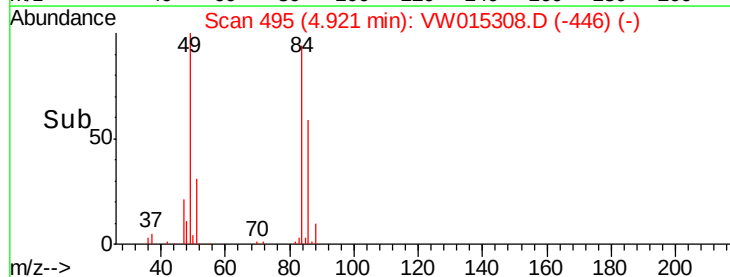
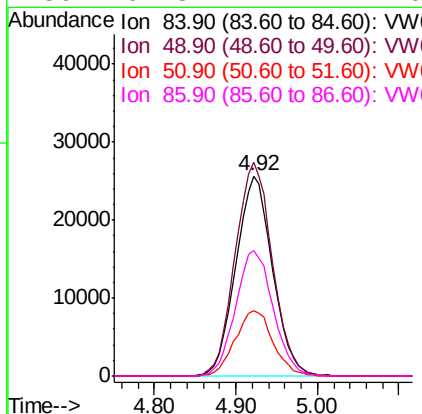
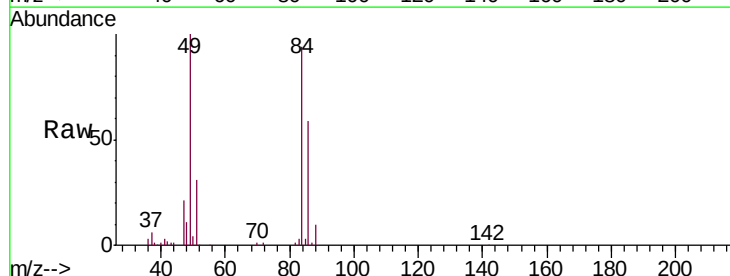
Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MSD

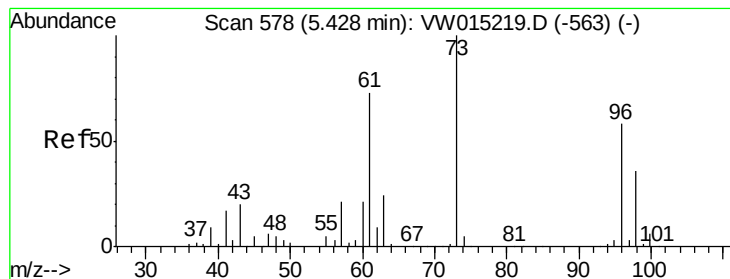
Tgt Ion: 73 Resp: 209771
Ion Ratio Lower Upper
73 100
57 19.4 17.8 26.6



#20
Methylene Chloride
Concen: 60.629 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion: 84 Resp: 80169
Ion Ratio Lower Upper
84 100
49 106.9 95.4 143.0
51 32.8 29.8 44.8
86 62.8 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 41.339 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

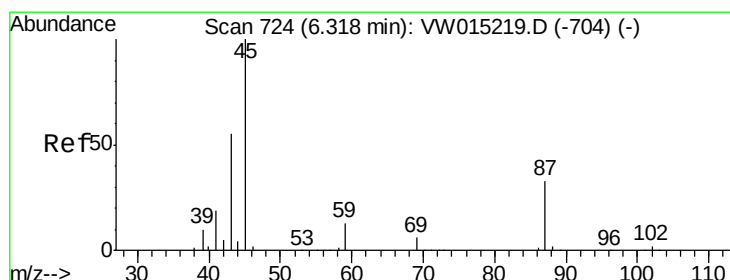
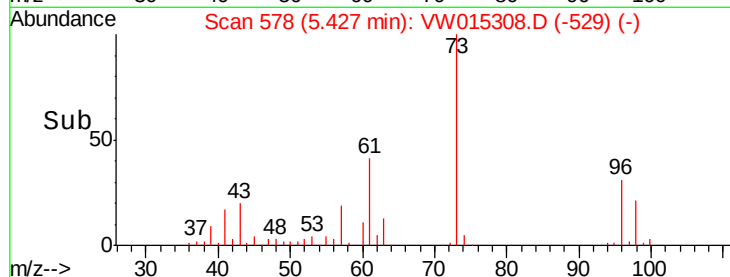
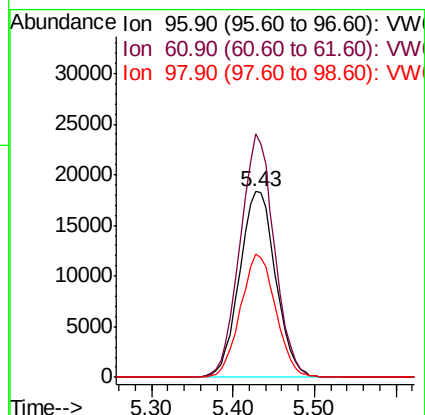
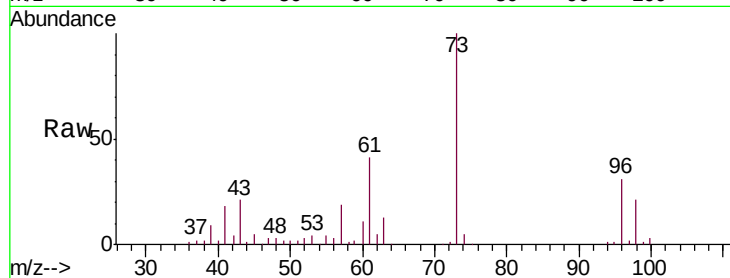
Tgt Ion: 96 Resp: 56488

Ion Ratio Lower Upper

96 100

61 131.2 107.8 161.6

98 66.3 50.2 75.2



#22

Diisopropyl ether

Concen: 69.382 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Tgt Ion: 45 Resp: 212748

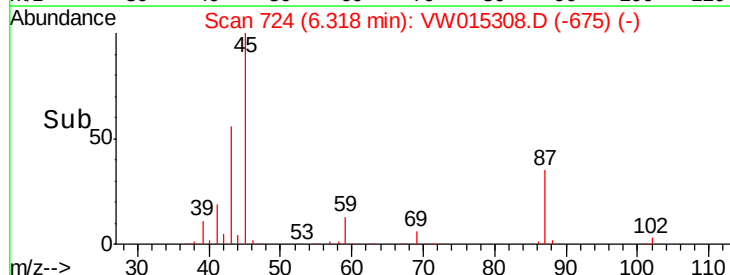
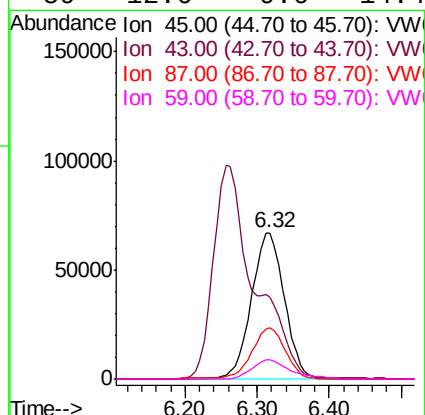
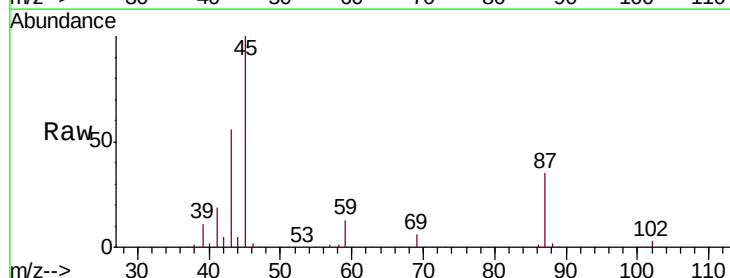
Ion Ratio Lower Upper

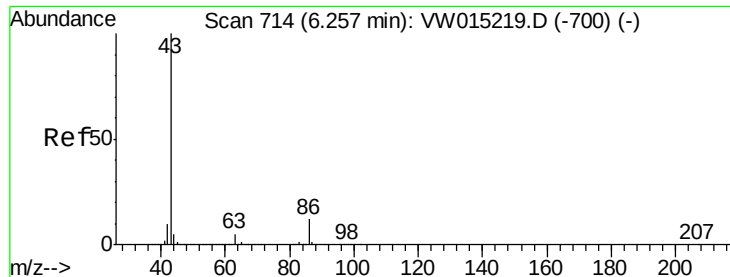
45 100

43 55.5 41.8 62.6

87 35.2 23.2 34.8#

59 12.6 9.6 14.4





#23

Vinyl Acetate

Concen: 215.761 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampled :

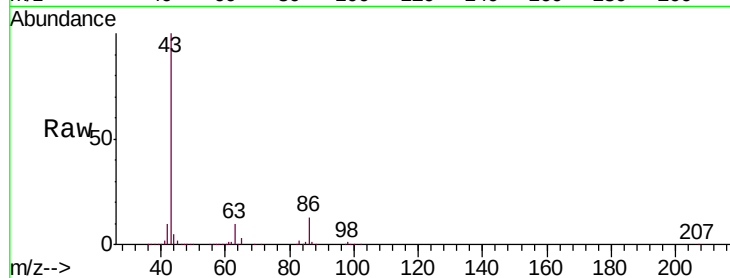
WB-4-1MSD

Tgt Ion: 43 Resp: 388241

Ion Ratio Lower Upper

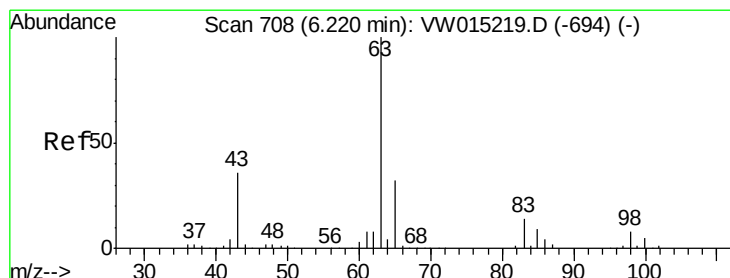
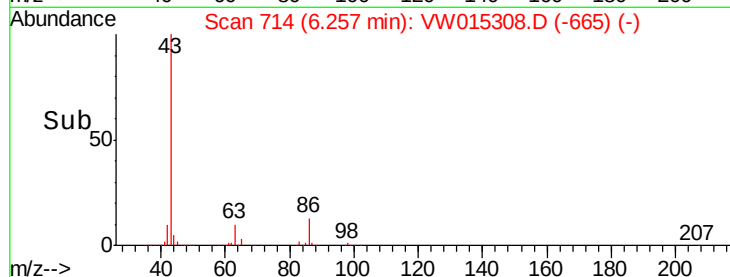
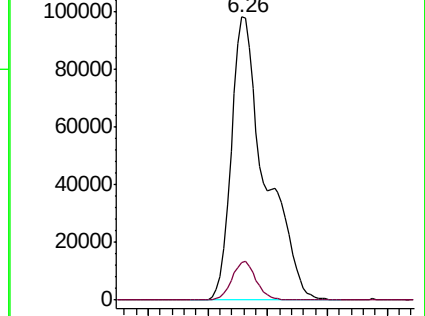
43 100

86 13.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 61.599 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

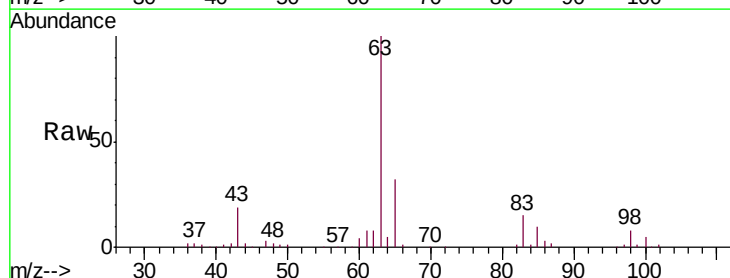
Tgt Ion: 63 Resp: 130906

Ion Ratio Lower Upper

63 100

98 8.1 3.6 10.9

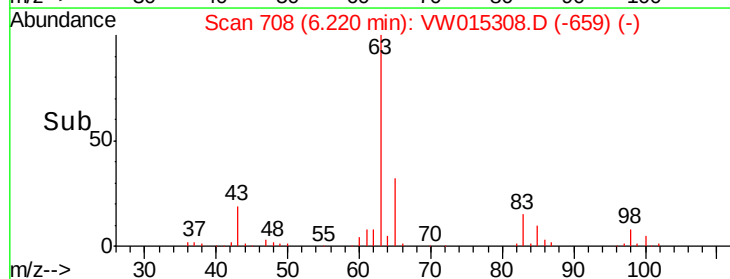
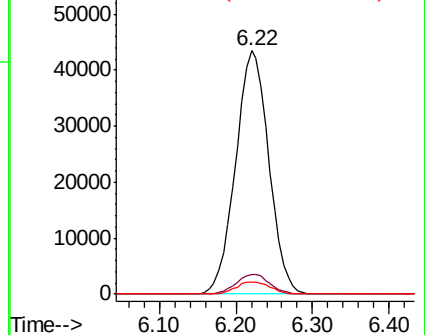
100 4.8 2.4 7.2

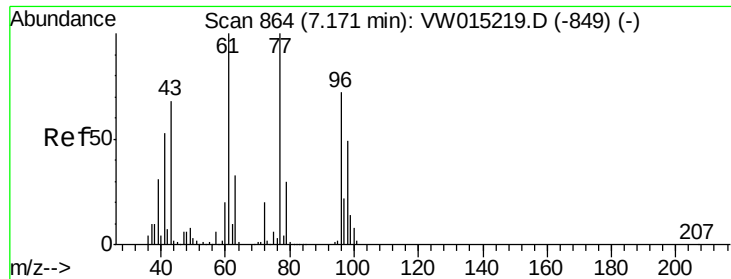


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 405.797 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampled :

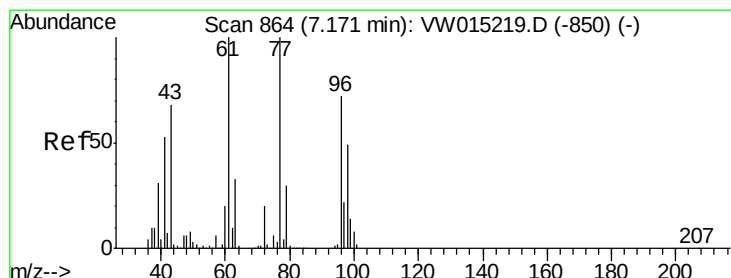
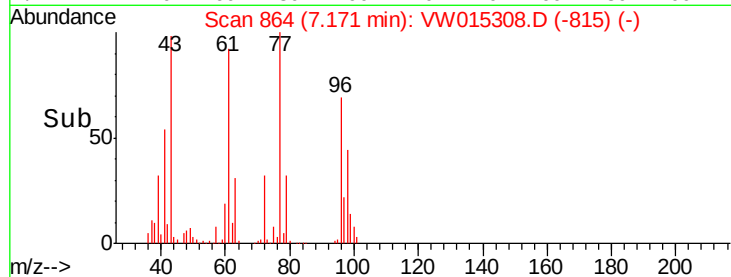
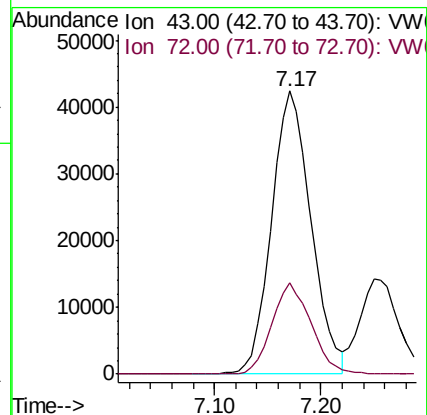
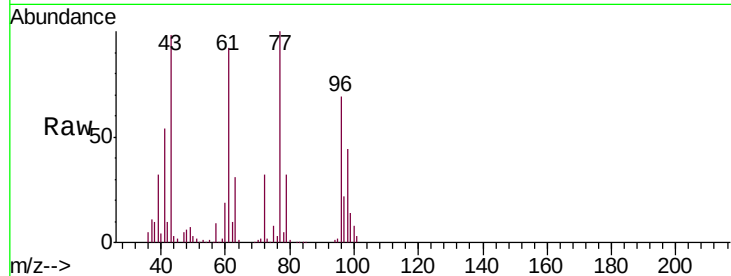
WB-4-1MSD

Tgt Ion: 43 Resp: 108624

Ion Ratio Lower Upper

43 100

72 32.4 21.6 32.4#



#26

2,2-Dichloropropane

Concen: 56.691 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015308.D

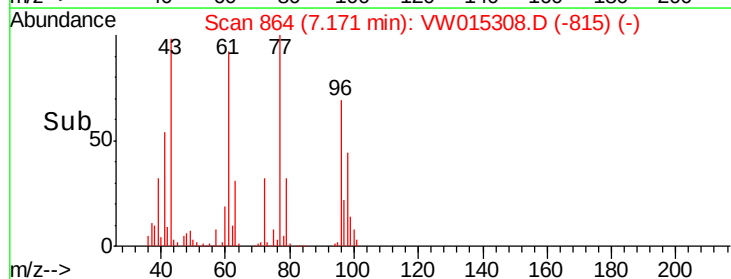
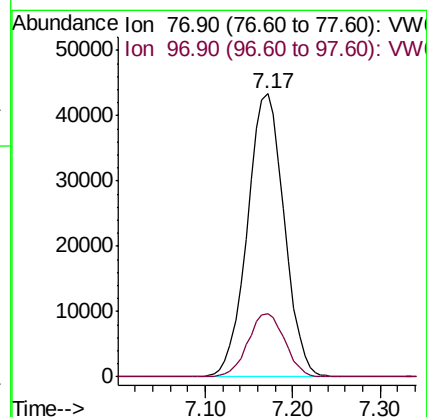
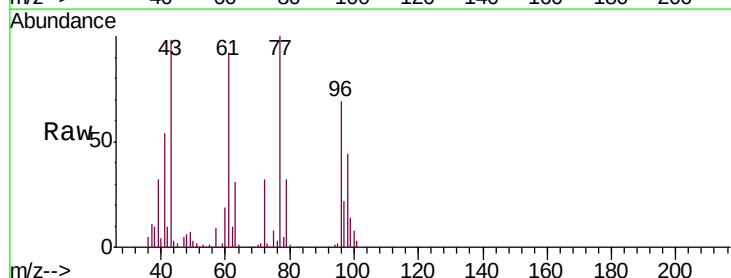
Acq: 22 Apr 2020 15:14

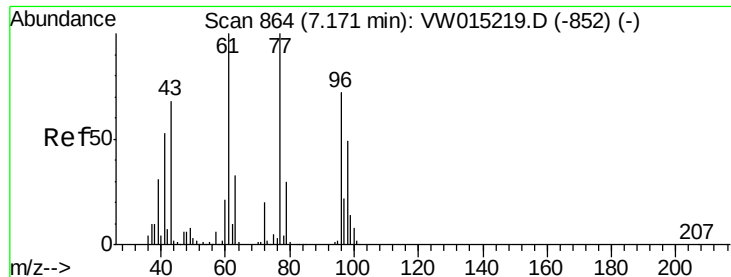
Tgt Ion: 77 Resp: 126745

Ion Ratio Lower Upper

77 100

97 22.4 11.9 35.5



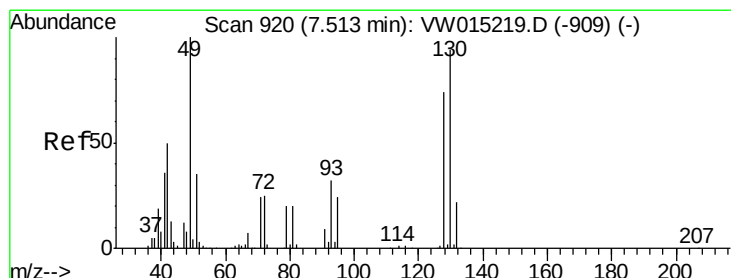
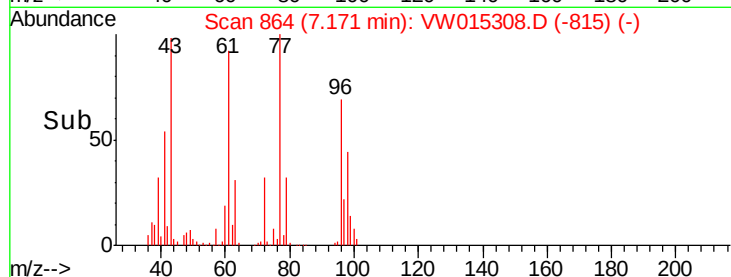
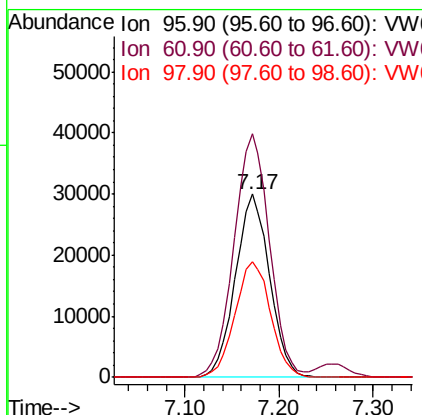
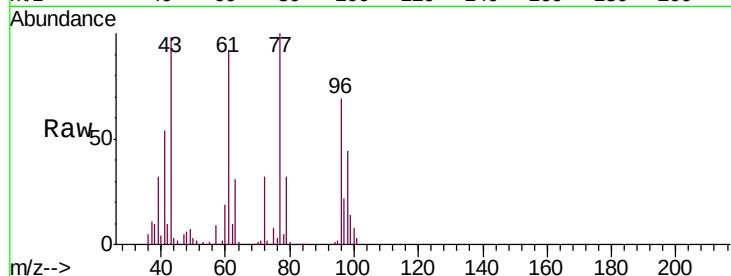


#27

cis-1,2-Dichloroethene
Concen: 51.515 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Instrument :
MSVOA_W
ClientSampled :
WB-4-1MSD

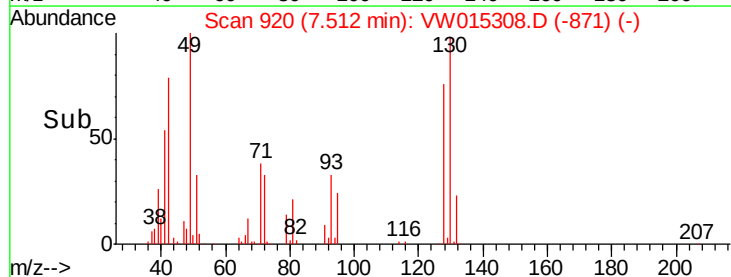
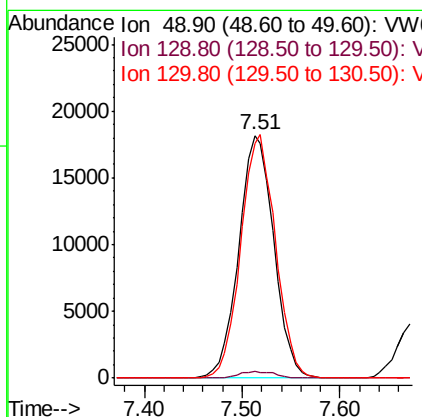
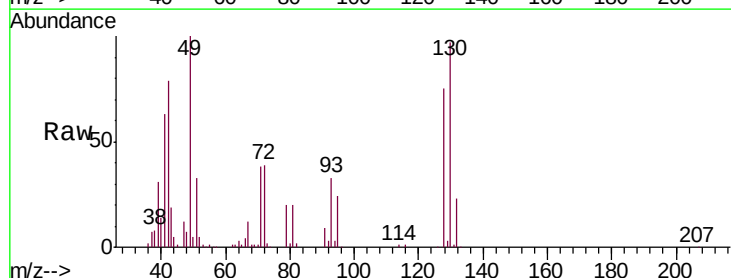
Tgt Ion: 96 Resp: 75996
Ion Ratio Lower Upper
96 100
61 138.5 0.0 275.0
98 65.7 0.0 130.8

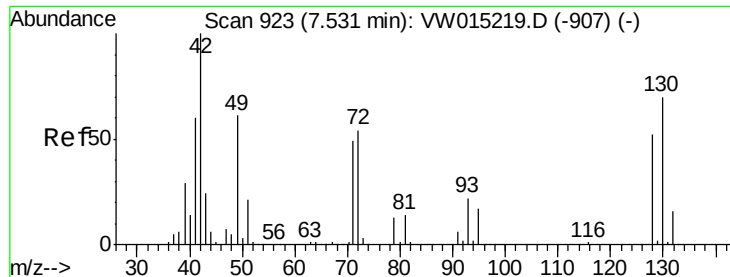


#28

Bromochloromethane
Concen: 58.403 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion: 49 Resp: 45125
Ion Ratio Lower Upper
49 100
129 2.8 0.0 4.6
130 99.0 60.9 91.3#





#29

Tetrahydrofuran

Concen: 412.000 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

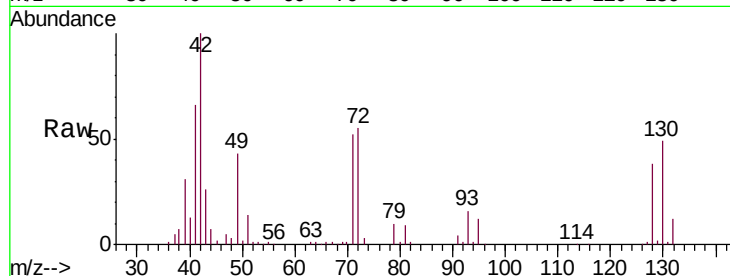
Tgt Ion: 42 Resp: 68709

Ion Ratio Lower Upper

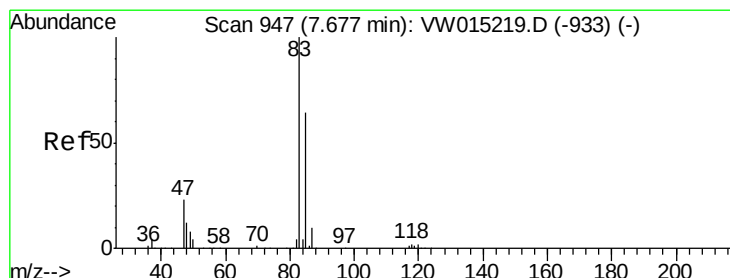
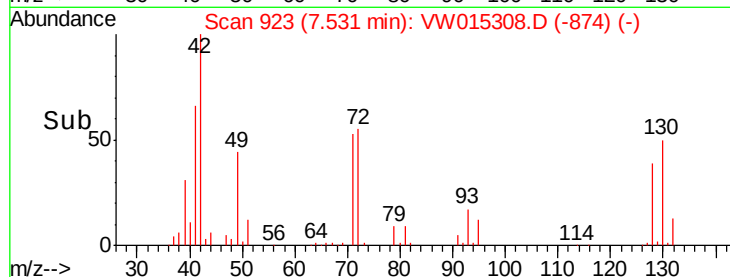
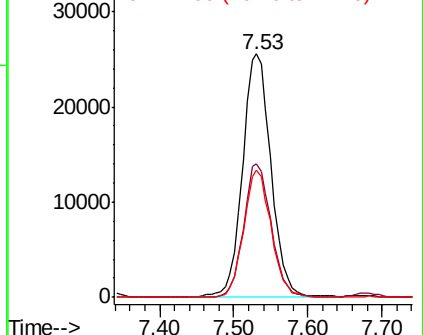
42 100

72 53.0 36.2 54.2

71 50.3 34.2 51.4



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



#30

Chloroform

Concen: 60.658 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015308.D

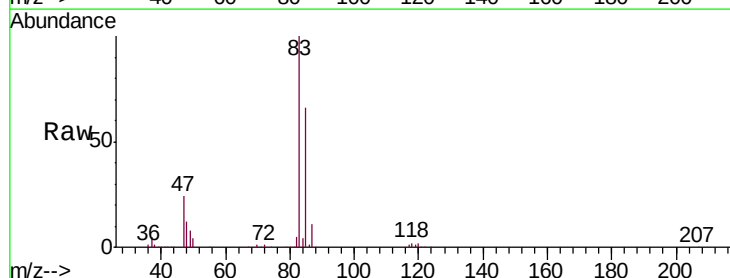
Acq: 22 Apr 2020 15:14

Tgt Ion: 83 Resp: 139125

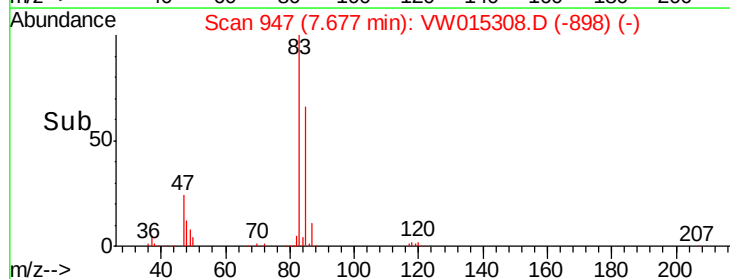
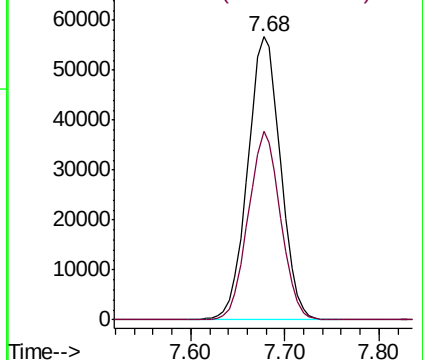
Ion Ratio Lower Upper

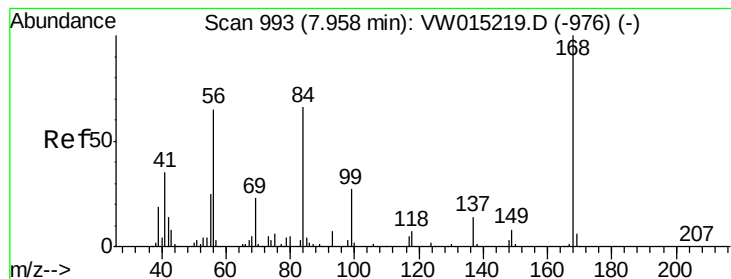
83 100

85 66.4 50.9 76.3



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





#31

Cyclohexane

Concen: 29.897 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampled :

WB-4-1MSD

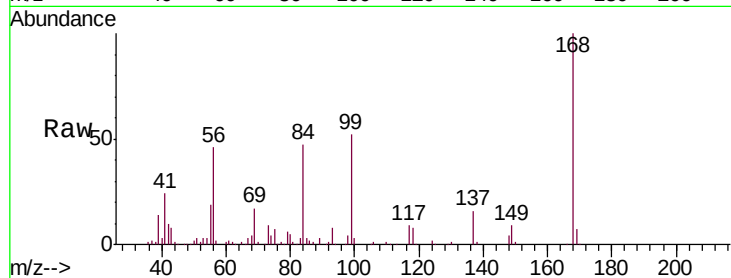
Tgt Ion: 56 Resp: 63866

Ion Ratio Lower Upper

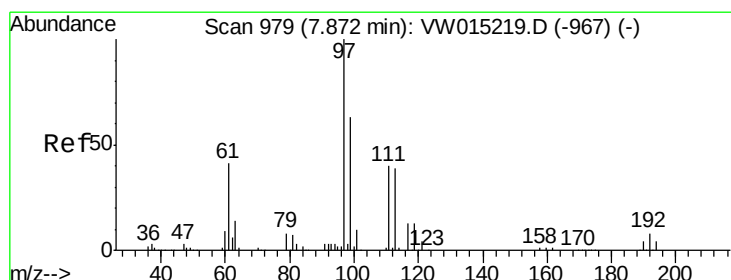
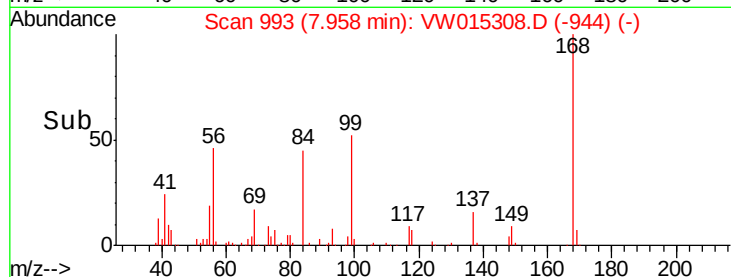
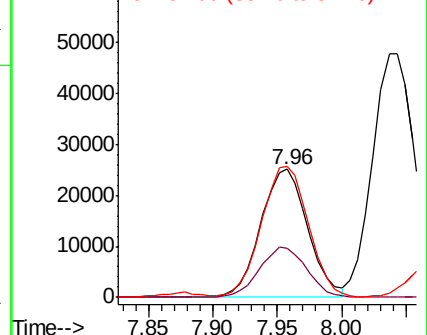
56 100

69 37.7 27.1 40.7

84 99.9 71.9 107.9



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: 56.660 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

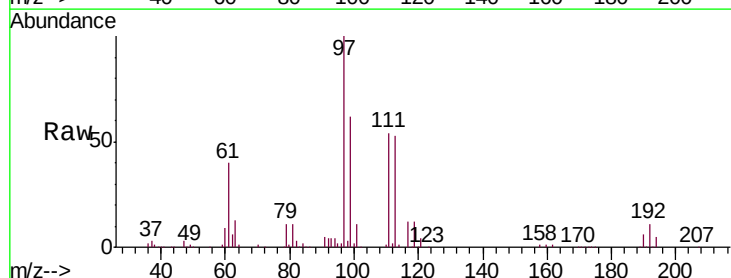
Tgt Ion: 97 Resp: 125425

Ion Ratio Lower Upper

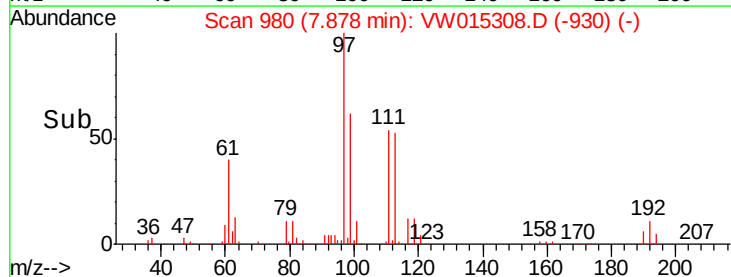
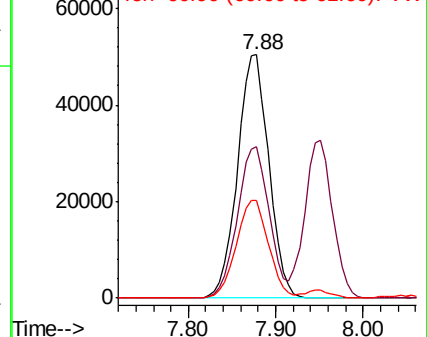
97 100

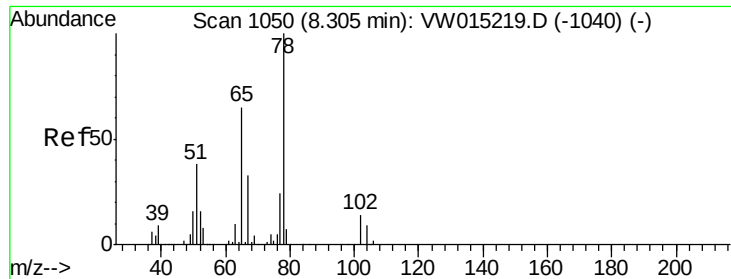
99 63.7 52.2 78.2

61 41.2 34.2 51.2



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

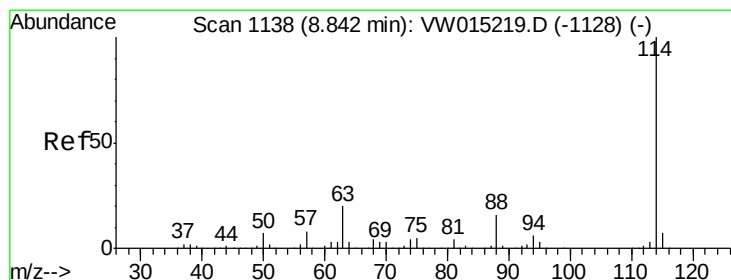
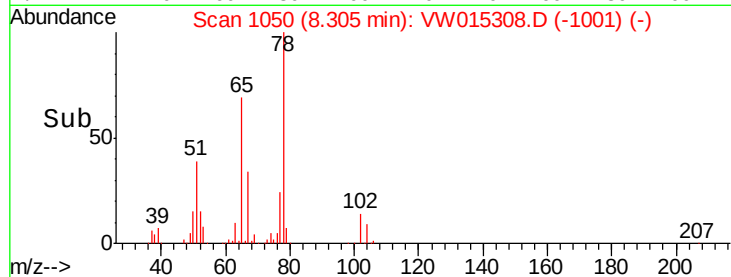
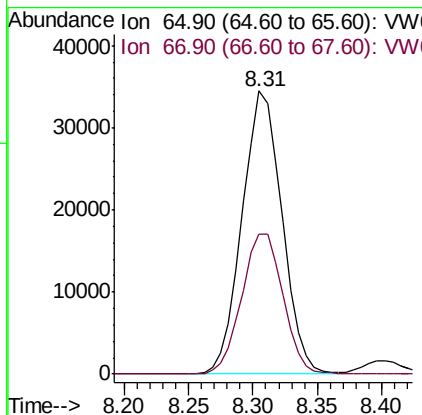
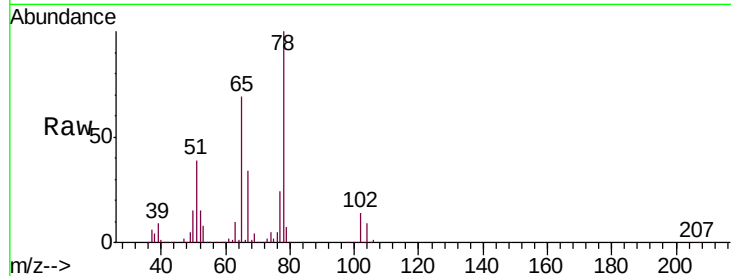




#33
 1,2-Dichloroethane-d4
 Concen: 64.124 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

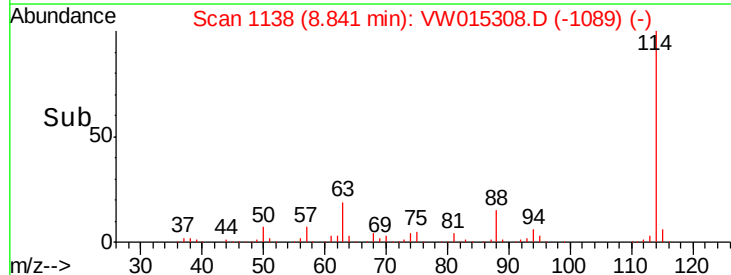
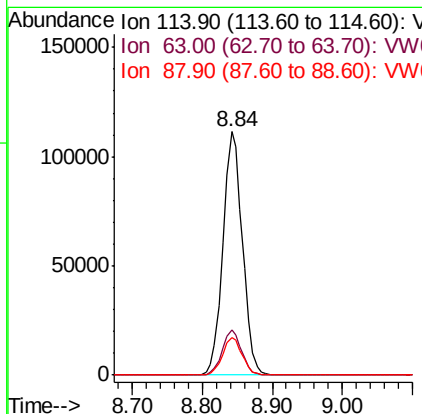
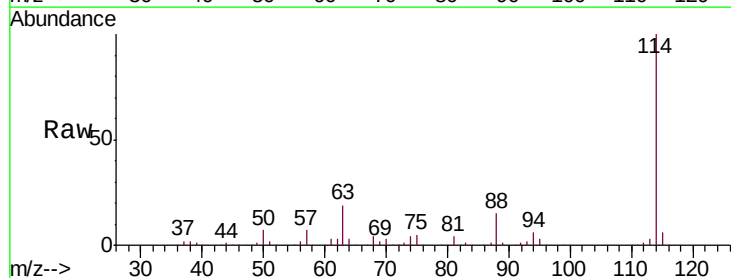
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MSD

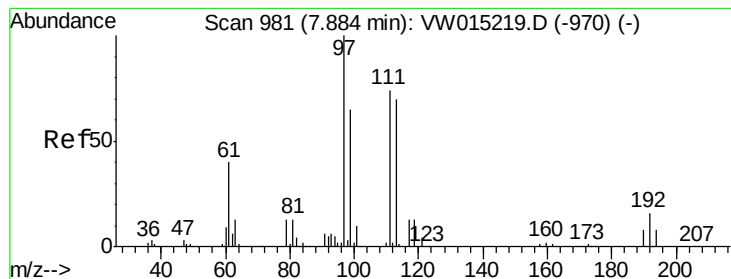
Tgt Ion: 65 Resp: 74072
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Tgt Ion: 114 Resp: 214675
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.8
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 59.460 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

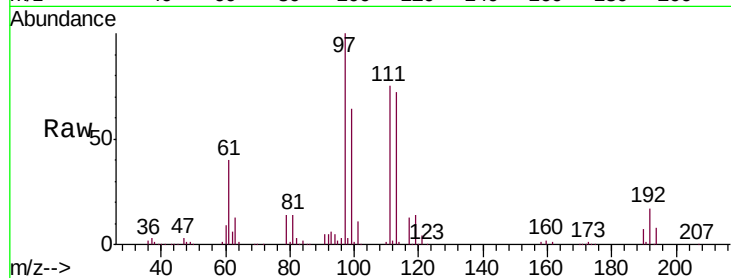
Tgt Ion:113 Resp: 70705

Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

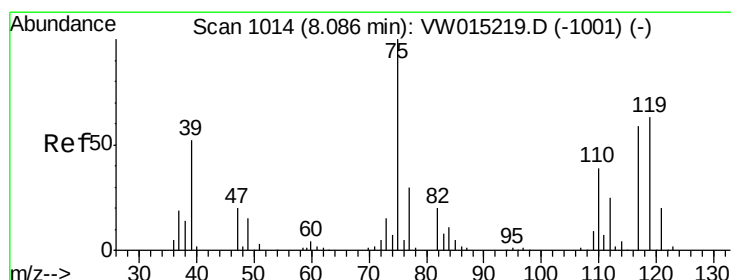
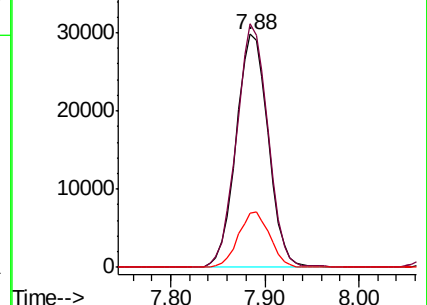
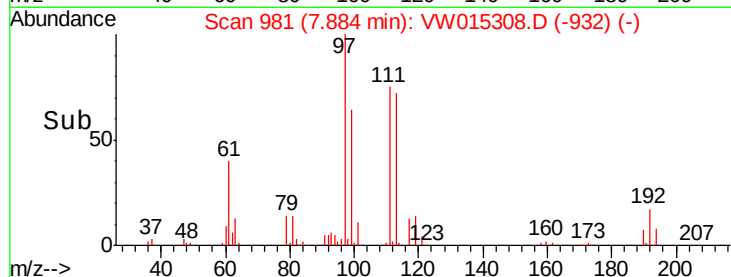
192 23.3 15.1 22.7#



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: 37.127 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

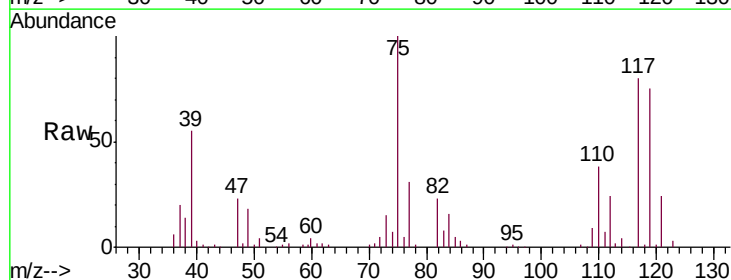
Tgt Ion: 75 Resp: 71936

Ion Ratio Lower Upper

75 100

110 37.2 18.2 54.6

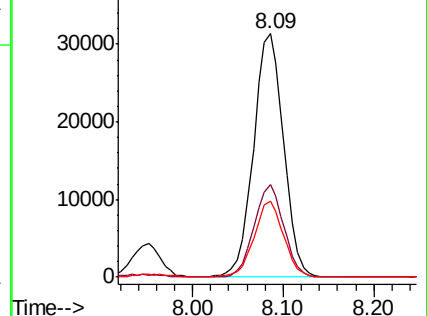
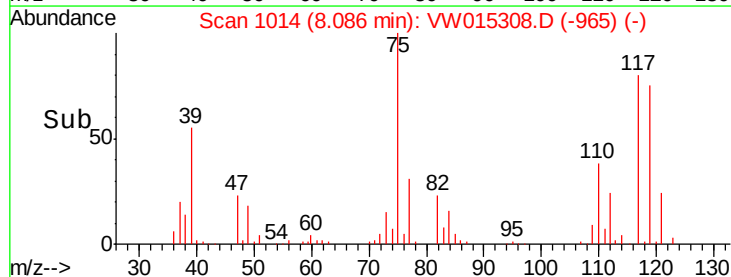
77 30.7 24.5 36.7

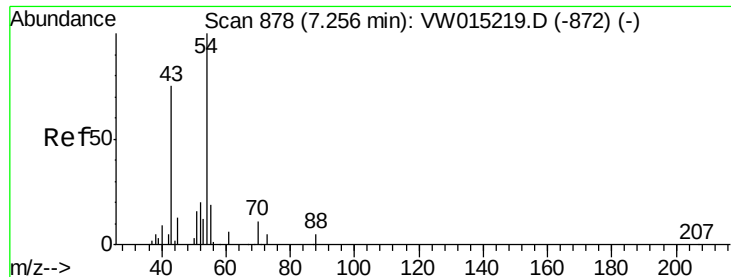


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

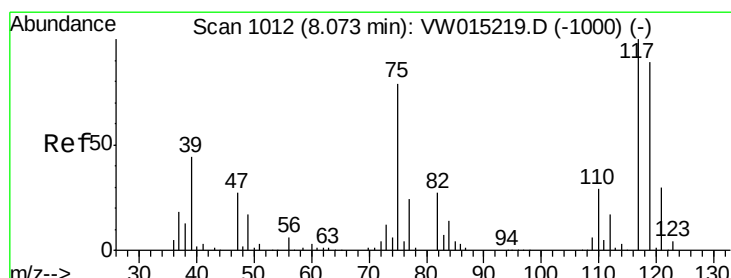
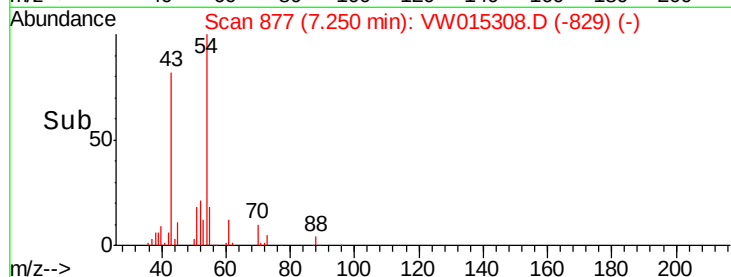
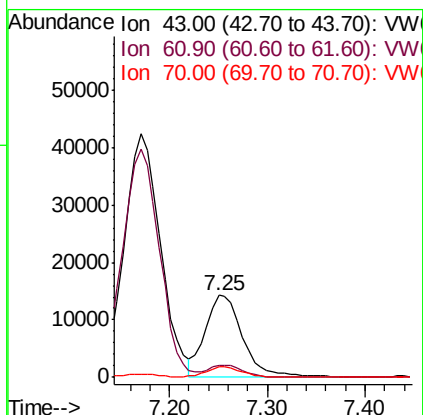
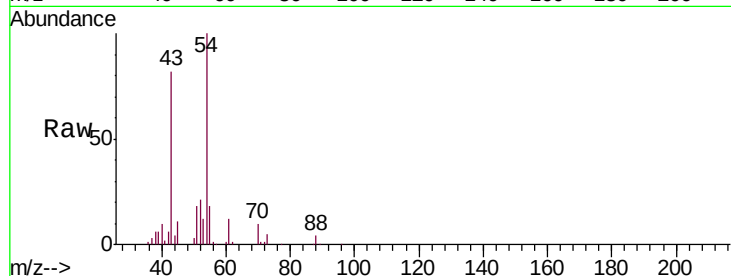




#37
Ethyl Acetate
Concen: 58.953 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

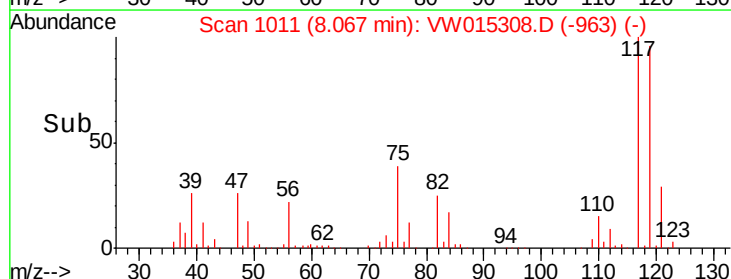
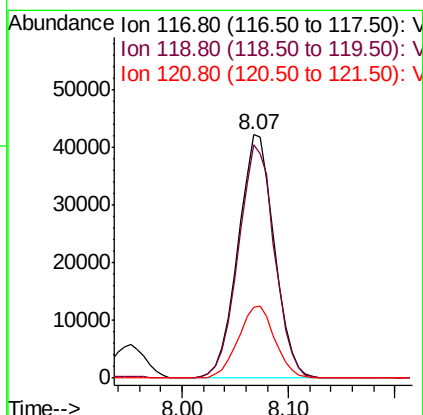
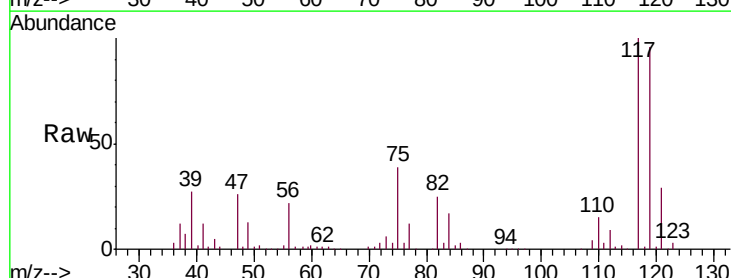
Instrument :
MSVOA_W
ClientSampled :
WB-4-1MSD

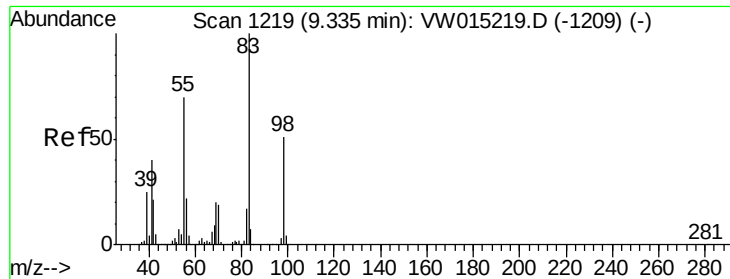
Tgt Ion: 43 Resp: 37071
Ion Ratio Lower Upper
43 100
61 14.7 11.9 17.9
70 12.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 47.534 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion: 117 Resp: 100648
Ion Ratio Lower Upper
117 100
119 96.1 72.3 108.5
121 29.2 23.7 35.5

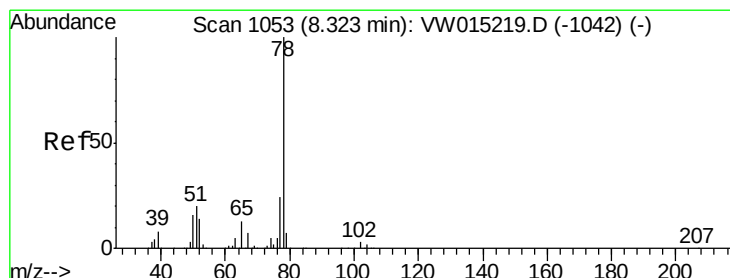
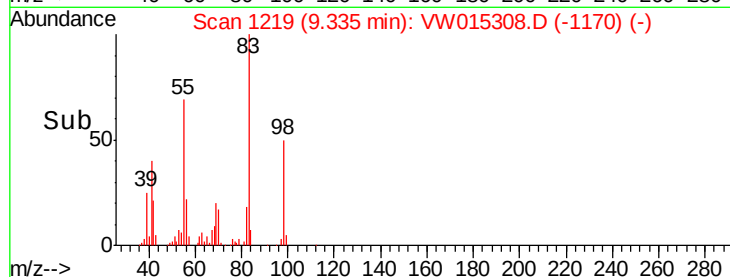
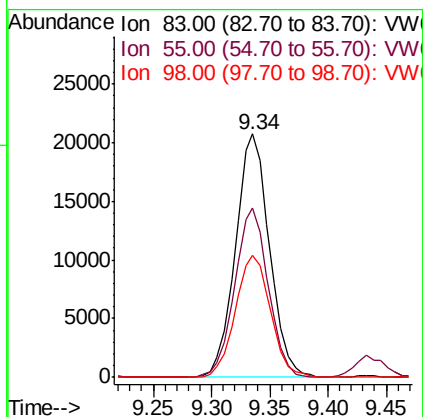
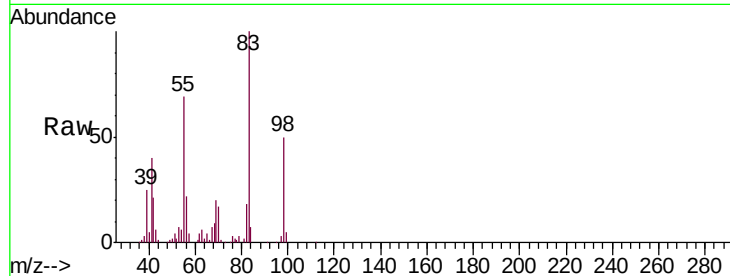




#39
Methylcyclohexane
Concen: 16.318 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

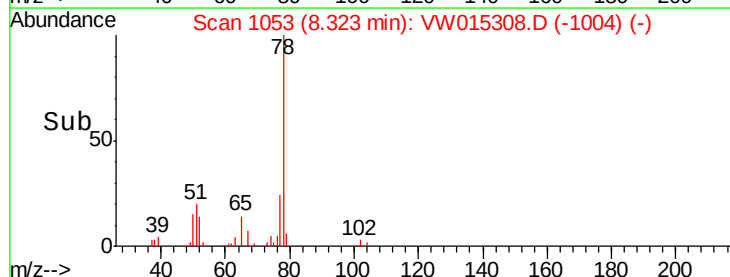
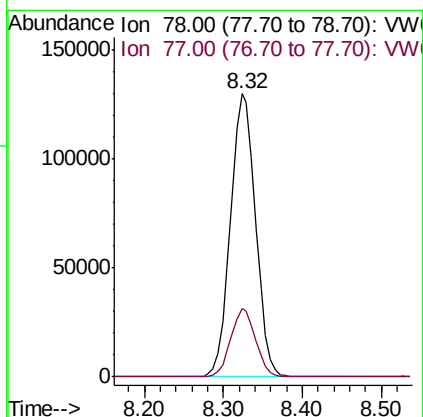
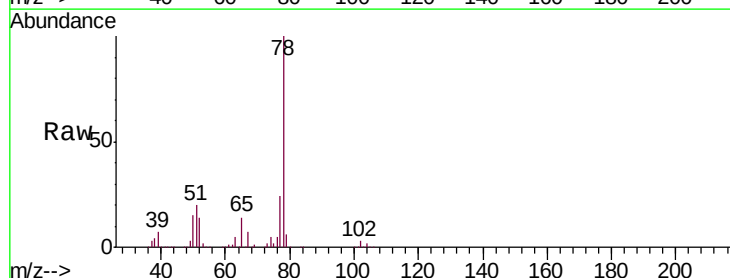
Instrument :
MSVOA_W
ClientSampled :
WB-4-1MSD

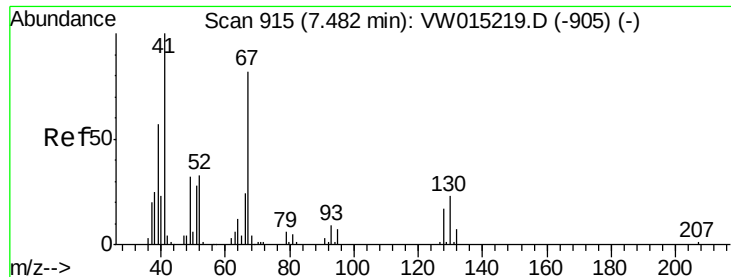
Tgt Ion: 83 Resp: 42082
Ion Ratio Lower Upper
83 100
55 69.1 58.1 87.1
98 49.9 40.2 60.4



#40
Benzene
Concen: 55.536 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion: 78 Resp: 287442
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.2

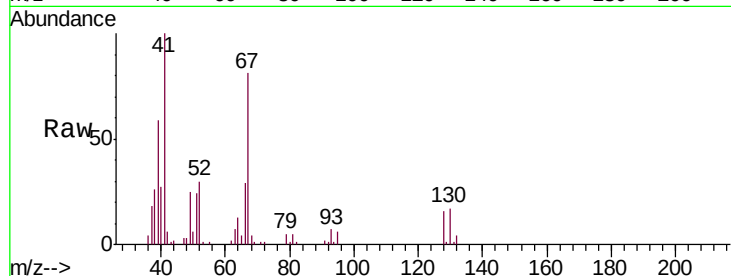




#41
Methacrylonitrile
Concen: 67.145 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Instrument :
MSVOA_W
ClientSampled :
WB-4-1MSD

Tgt Ion:	41	Resp:	25334
Ion	Ratio	Lower	Upper
41	100		
39	57.8	41.9	62.9
67	87.8	60.6	91.0
52	36.2	23.8	35.8#



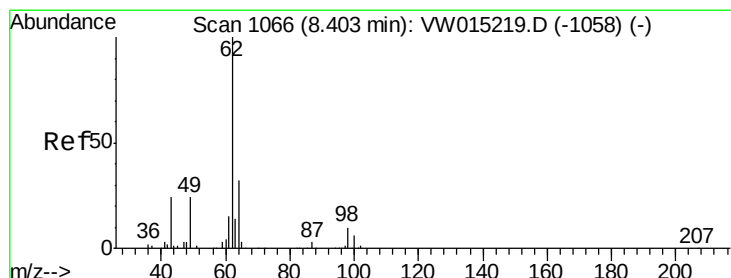
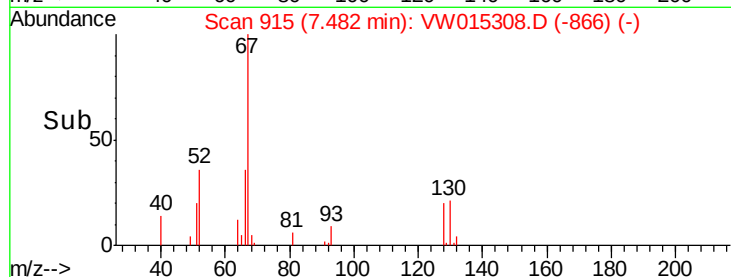
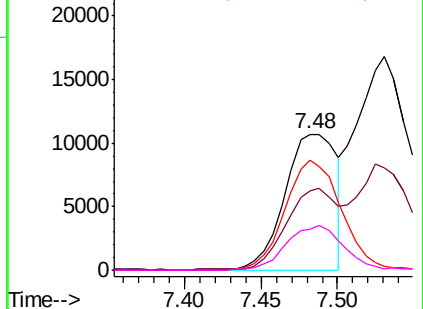
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

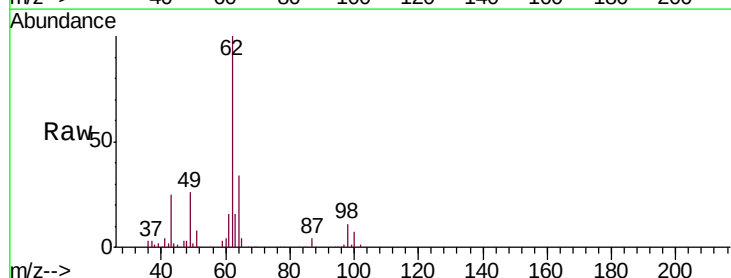
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 60.125 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

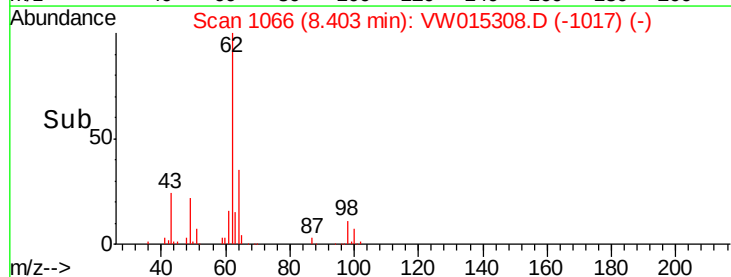
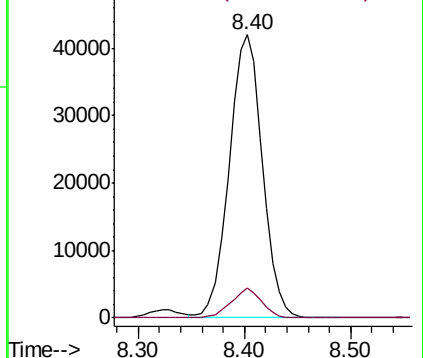
Tgt Ion:	62	Resp:	91611
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.4

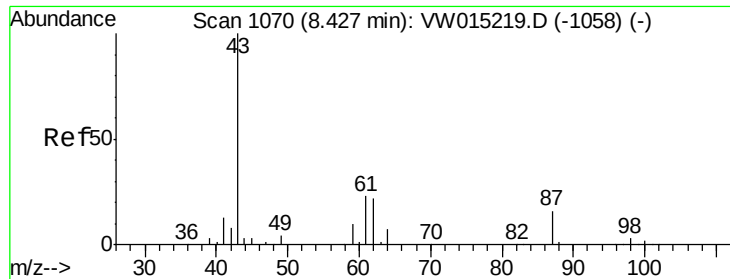


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 61.765 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

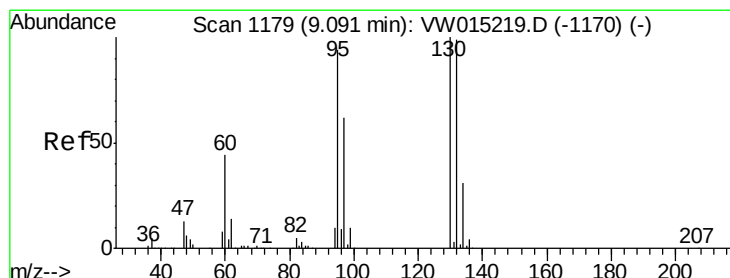
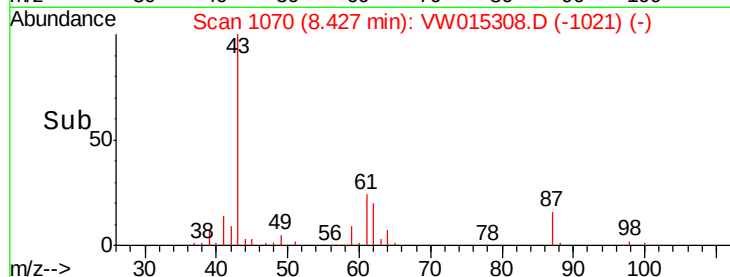
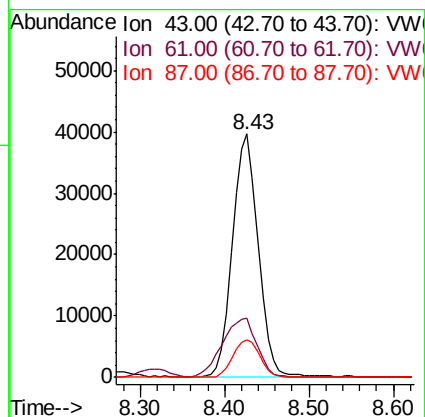
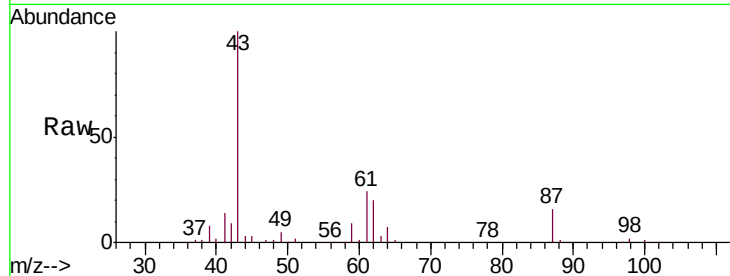
Tgt Ion: 43 Resp: 81460

Ion Ratio Lower Upper

43 100

61 33.0 24.8 37.2

87 16.1 11.4 17.2



#44

Trichloroethene

Concen: 38.164 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015308.D

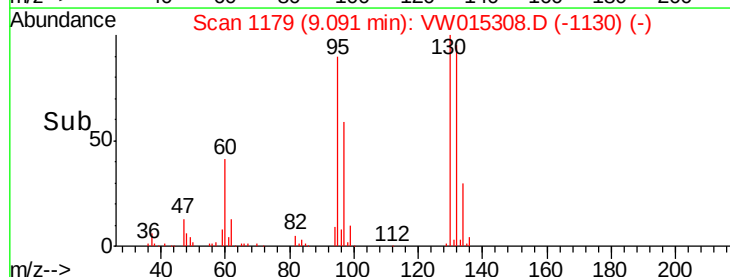
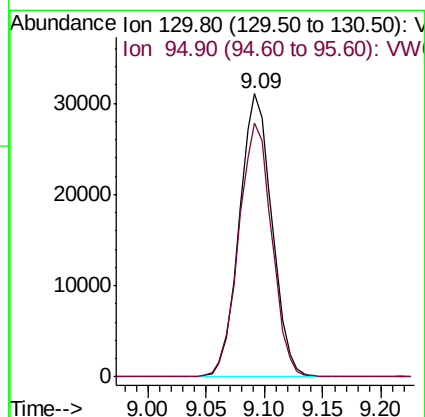
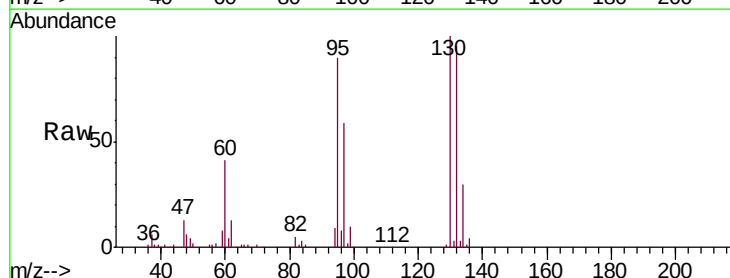
Acq: 22 Apr 2020 15:14

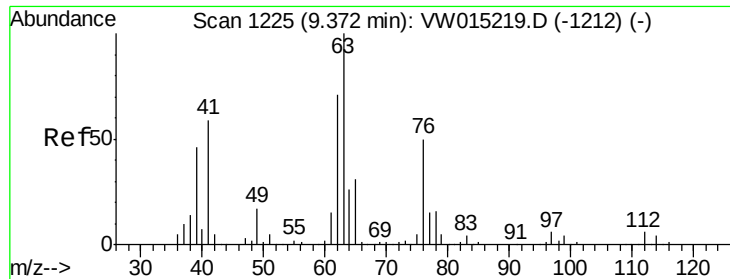
Tgt Ion: 130 Resp: 60420

Ion Ratio Lower Upper

130 100

95 89.8 0.0 196.4

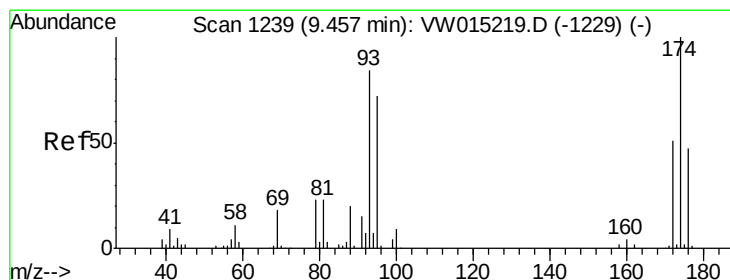
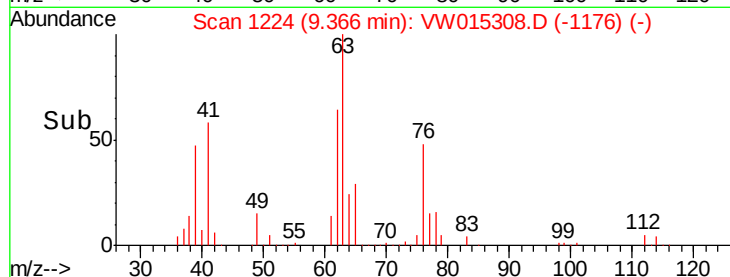
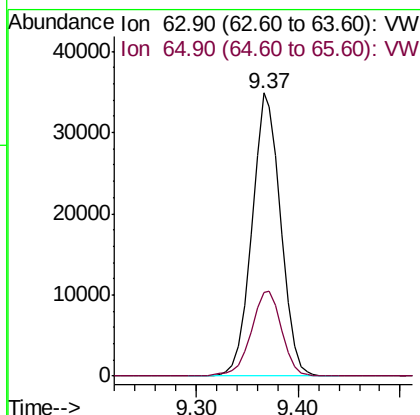
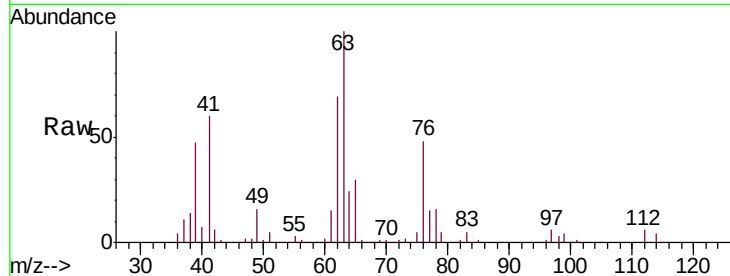




#45
 1,2-Dichloropropane
 Concen: 56.791 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

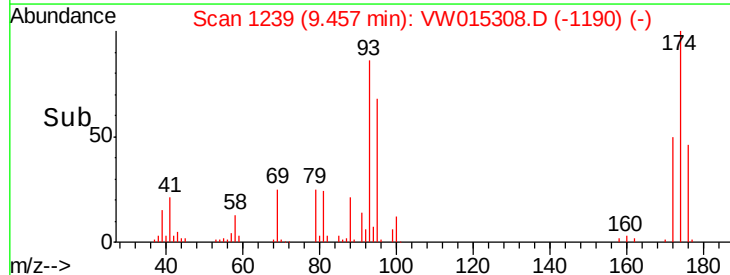
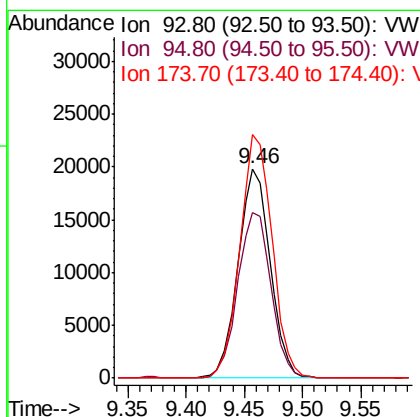
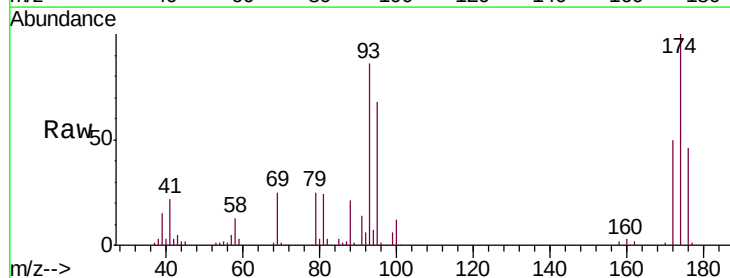
Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MSD

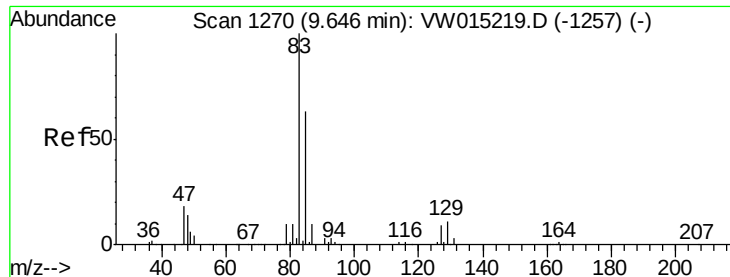
Tgt Ion: 63 Resp: 68355
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.5 38.3



#46
 Dibromomethane
 Concen: 54.852 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Tgt Ion: 93 Resp: 38191
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.5 101.3
 174 116.8 74.1 111.1#





#47

Bromodichloromethane

Concen: 54.980 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

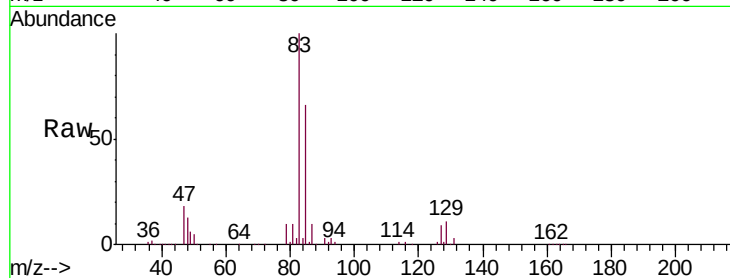
Tgt Ion: 83 Resp: 102333

Ion Ratio Lower Upper

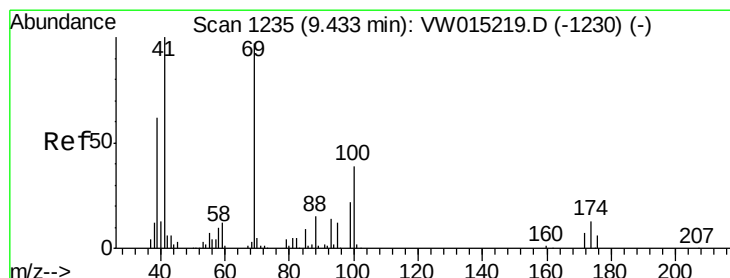
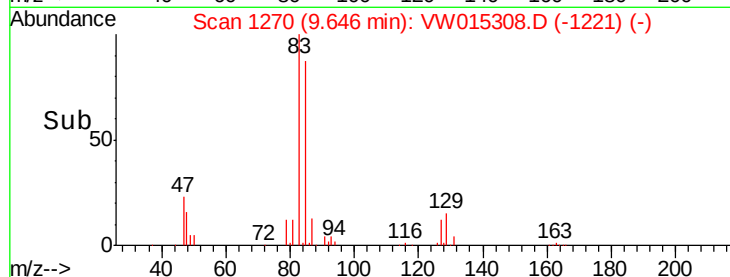
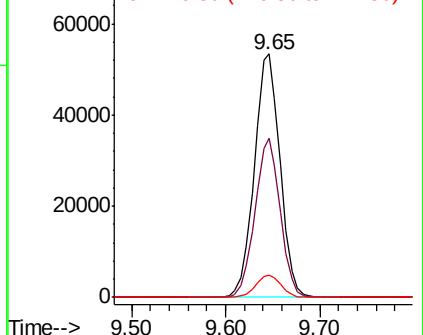
83 100

85 65.6 50.6 76.0

127 8.9 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 71.555 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

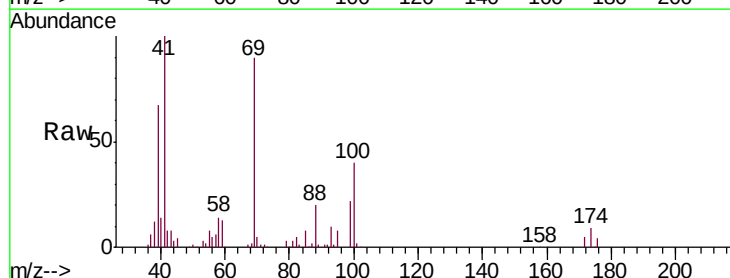
Tgt Ion: 41 Resp: 44612

Ion Ratio Lower Upper

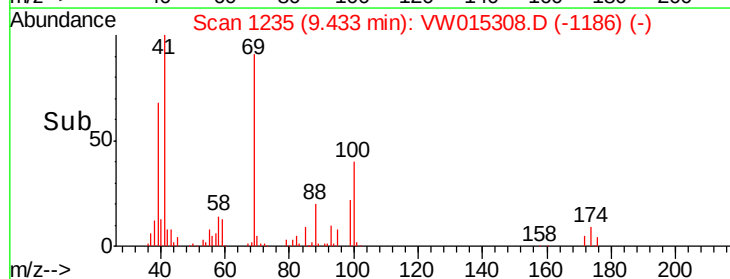
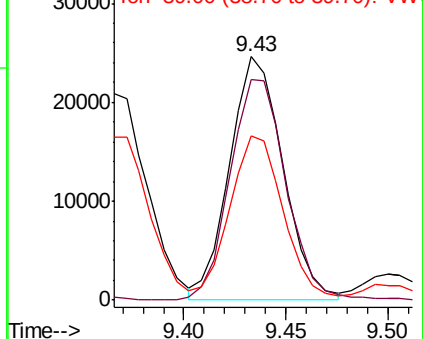
41 100

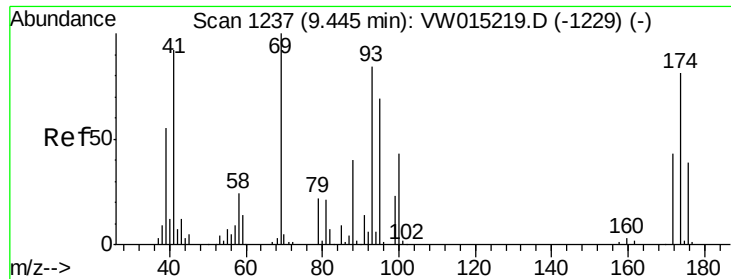
69 95.3 70.6 105.8

39 67.9 42.6 64.0#



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





#49

1,4-Dioxane

Concen: 1634.051 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

WB-4-1MSD

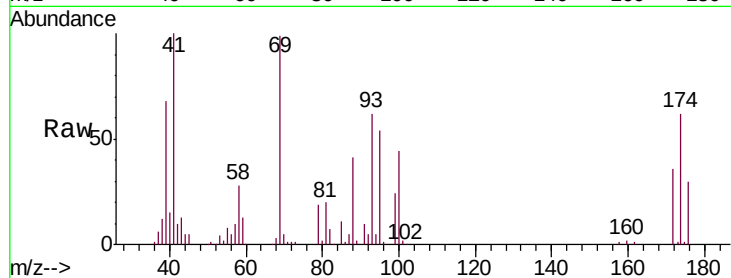
Tgt Ion: 88 Resp: 15167

Ion Ratio Lower Upper

88 100

43 30.2 23.5 35.3

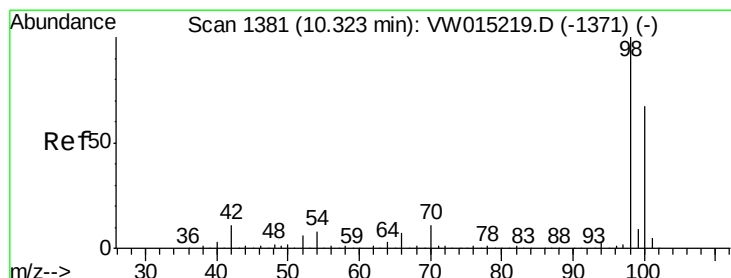
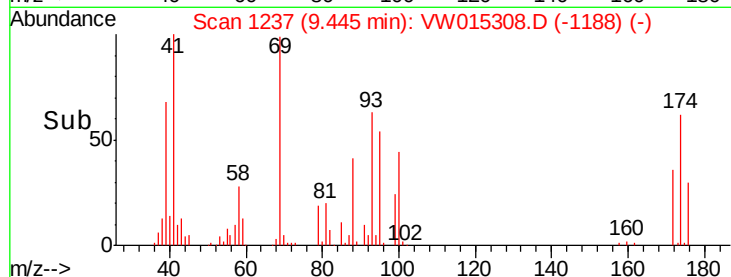
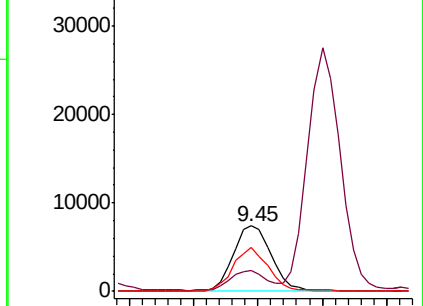
58 62.2 55.4 83.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 44.764 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015308.D

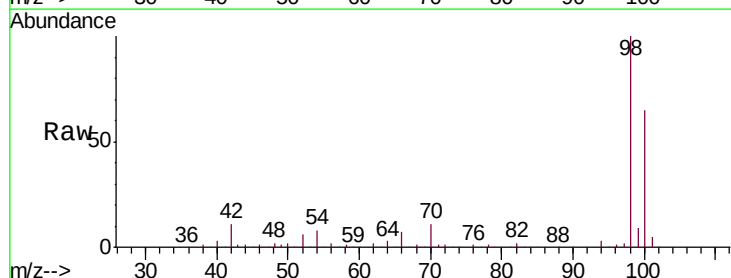
Acq: 22 Apr 2020 15:14

Tgt Ion: 98 Resp: 223923

Ion Ratio Lower Upper

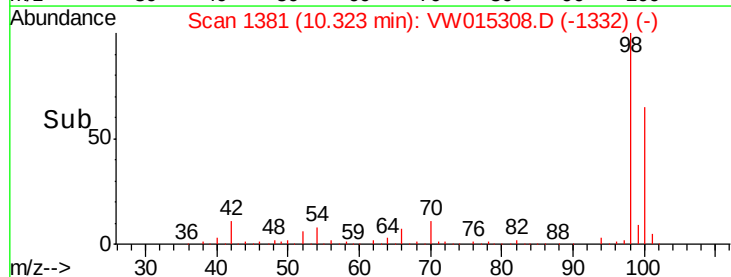
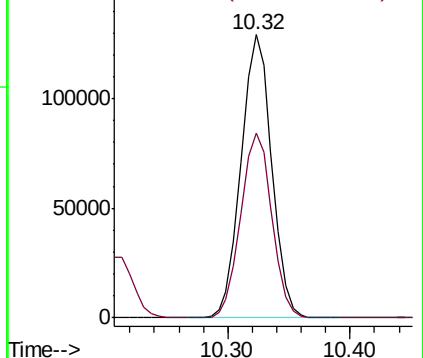
98 100

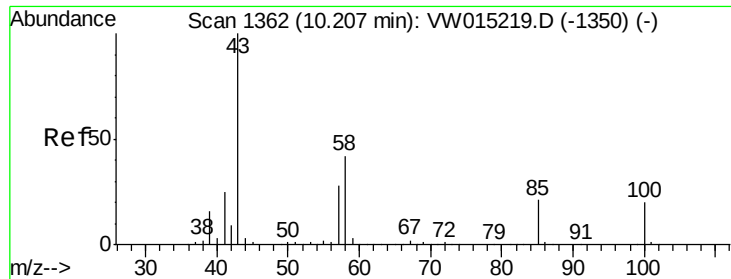
100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

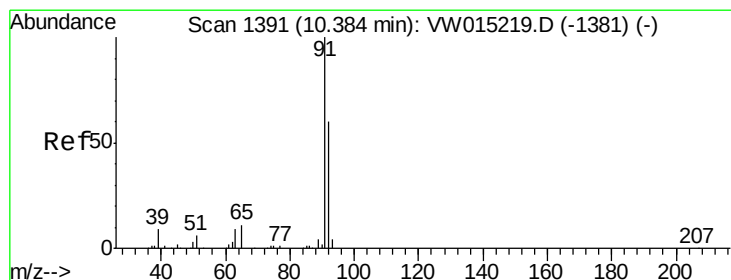
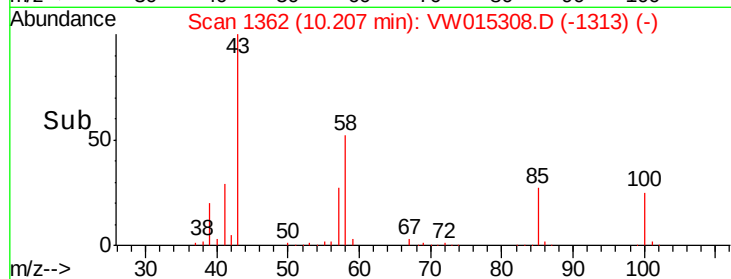
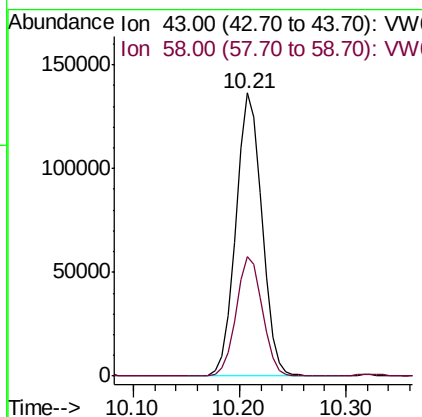
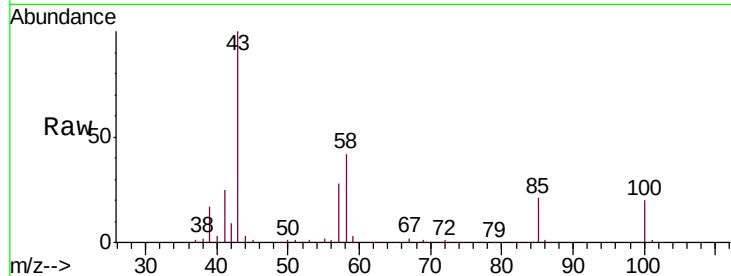




#51
 4-Methyl-2-Pentanone
 Concen: 380.221 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

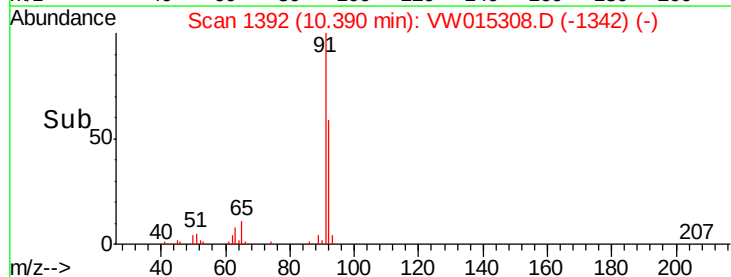
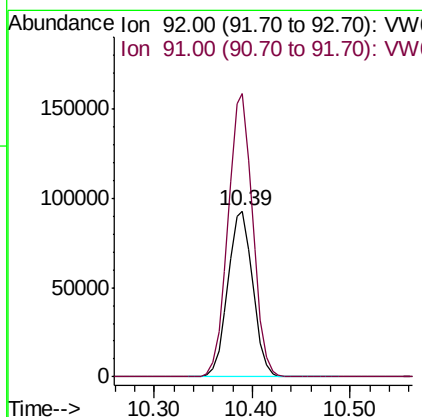
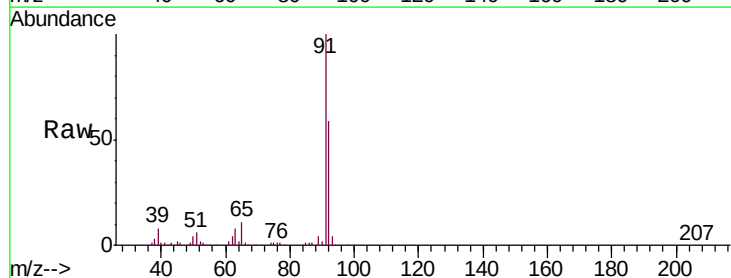
Instrument :
 MSVOA_W
 ClientSampleID :
 WB-4-1MSD

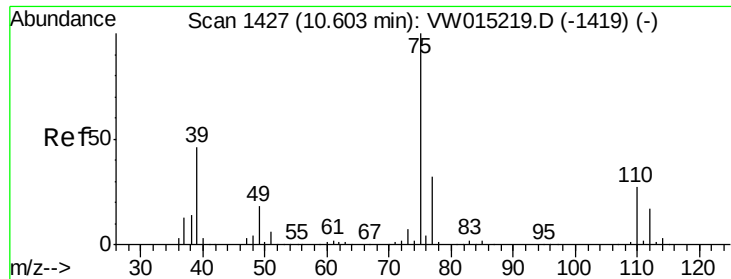
Tgt Ion: 43 Resp: 235398
 Ion Ratio Lower Upper
 43 100
 58 42.5 32.3 48.5



#52
 Toluene
 Concen: 45.160 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Tgt Ion: 92 Resp: 163585
 Ion Ratio Lower Upper
 92 100
 91 168.8 137.1 205.7

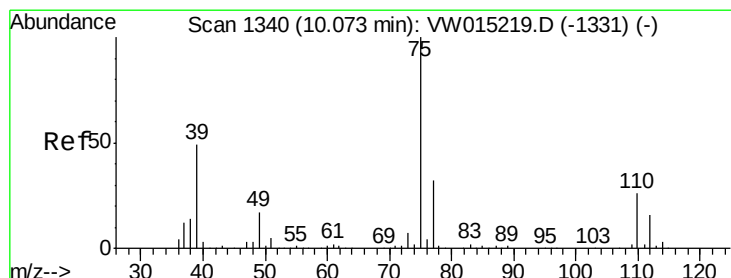
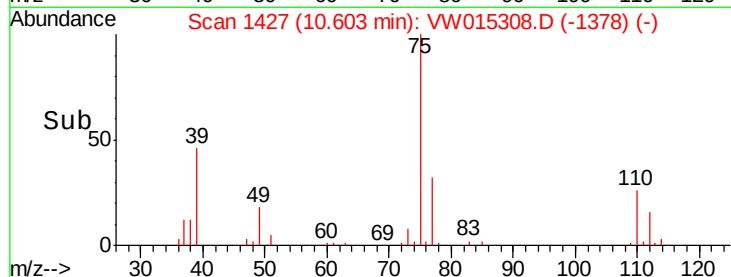
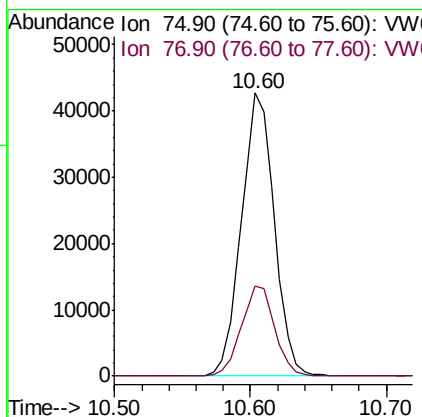
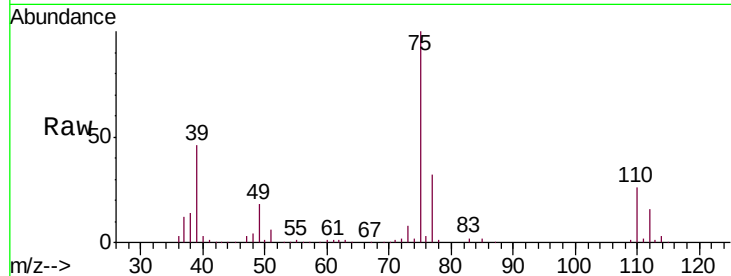




#53
t-1,3-Dichloropropene
Concen: 39.275 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

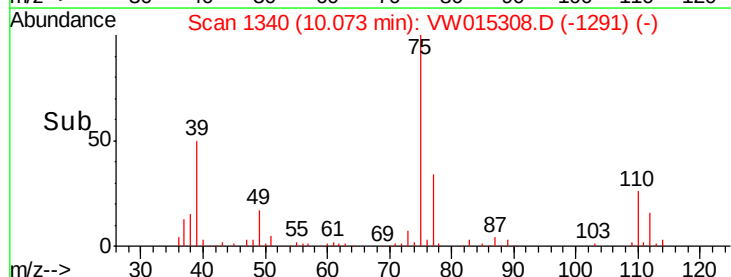
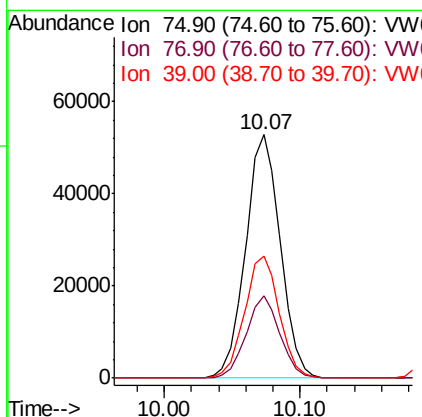
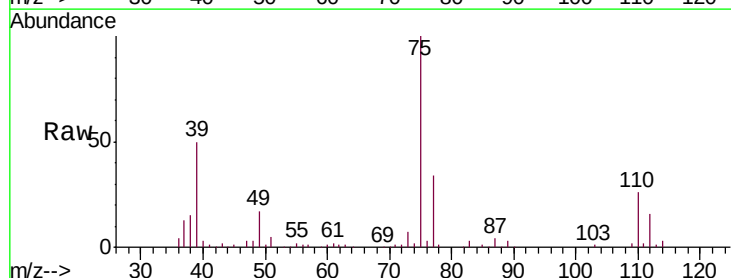
Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MSD

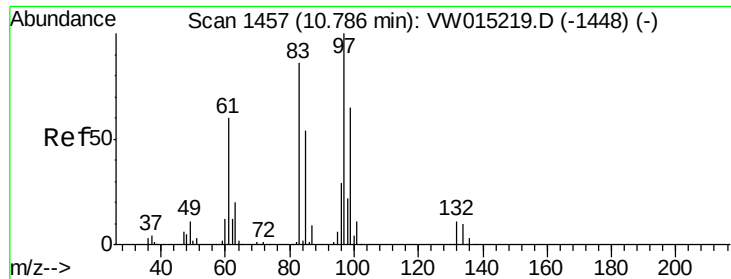
Tgt Ion: 75 Resp: 72079
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 44.174 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion: 75 Resp: 94231
Ion Ratio Lower Upper
75 100
77 33.8 26.6 39.8
39 49.8 37.8 56.6

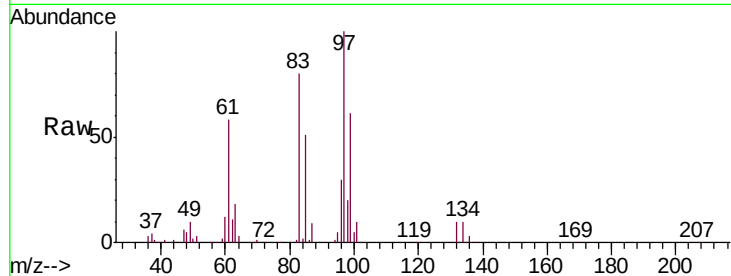




#55
 1,1,2-Trichloroethane
 Concen: 60.540 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 WB-4-1MSD

Tgt Ion:	97	Resp:	59022
Ion	Ratio	Lower	Upper
97	100		
83	79.8	67.3	100.9
85	50.9	43.8	65.8
99	61.3	51.4	77.0



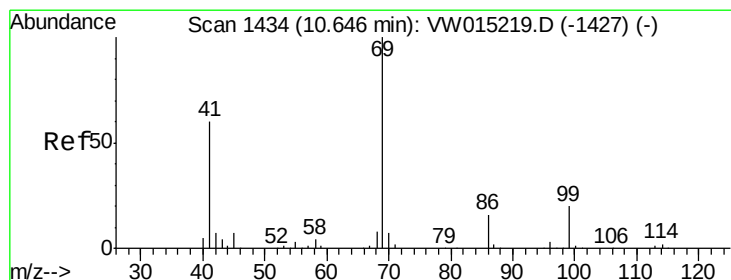
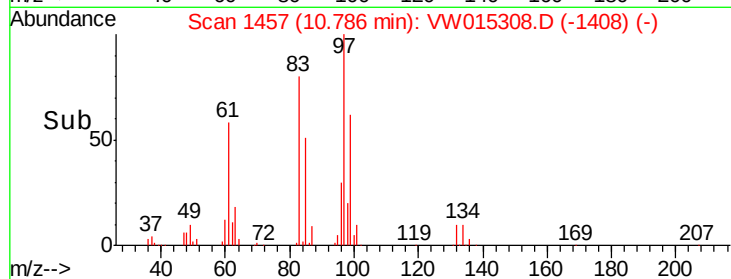
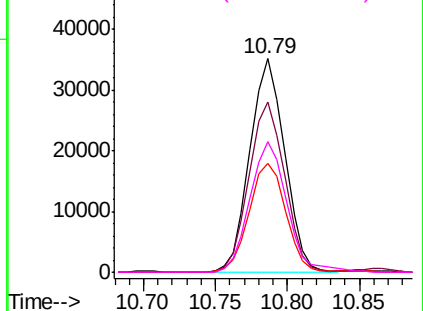
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

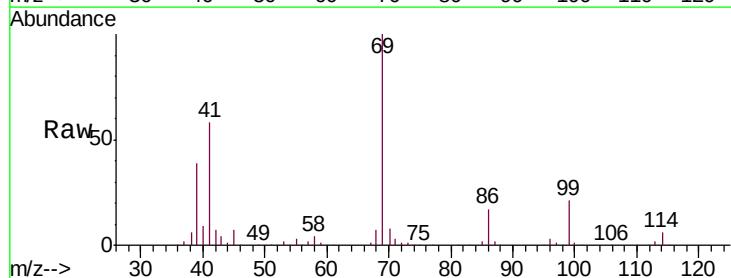
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 62.114 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Tgt Ion:	69	Resp:	78013
Ion	Ratio	Lower	Upper
69	100		
41	59.1	51.3	76.9
39	35.7	24.6	37.0

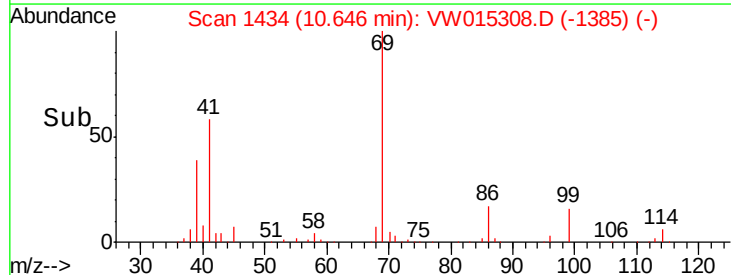
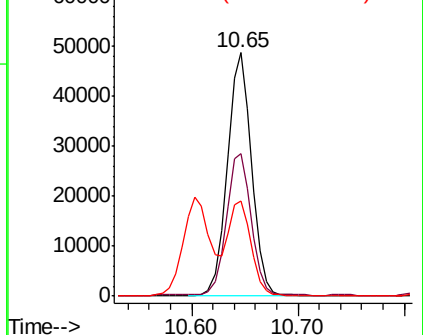


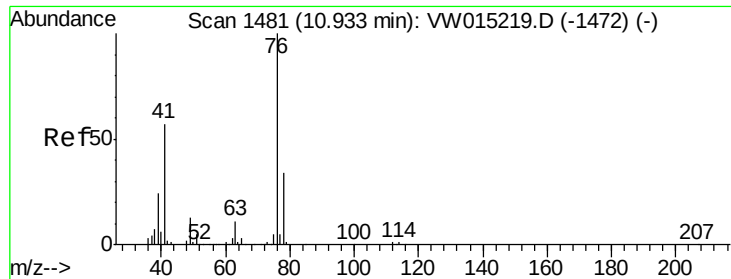
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

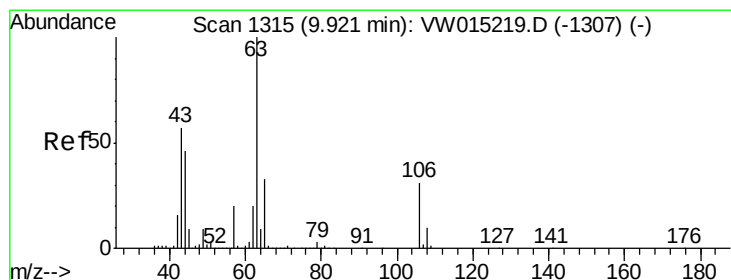
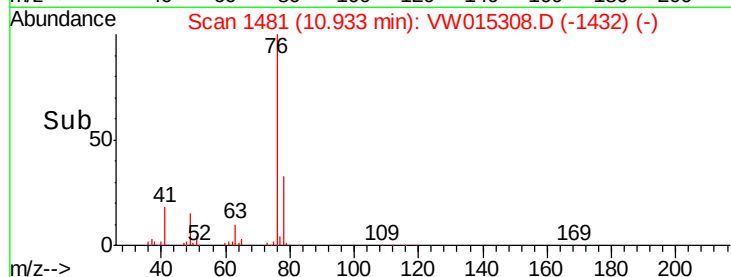
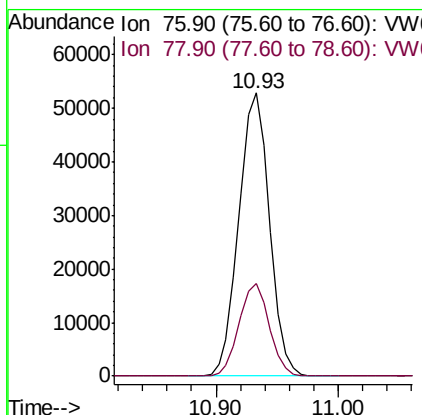
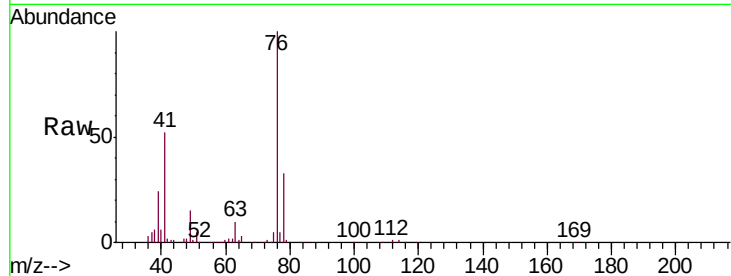




#57
 1,3-Dichloropropane
 Concen: 57.026 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

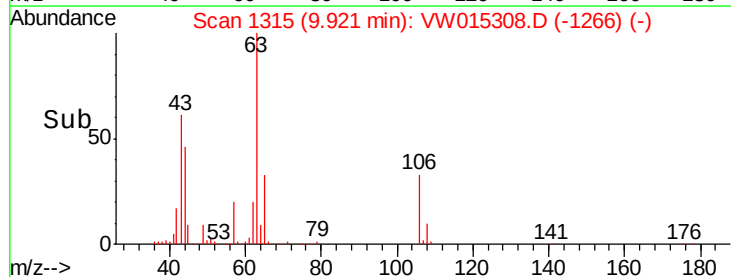
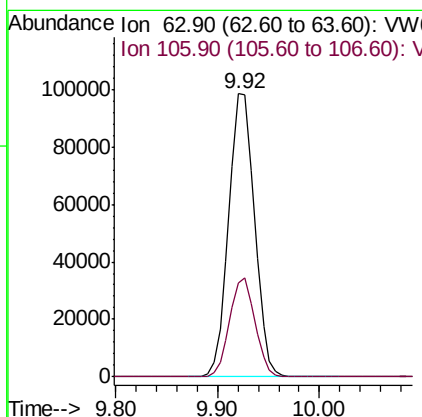
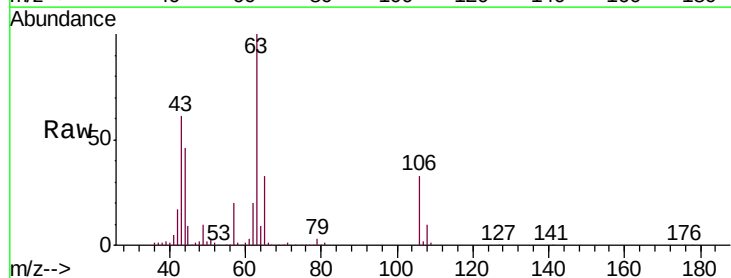
Instrument :
 MSVOA_W
 ClientSampled :
 WB-4-1MSD

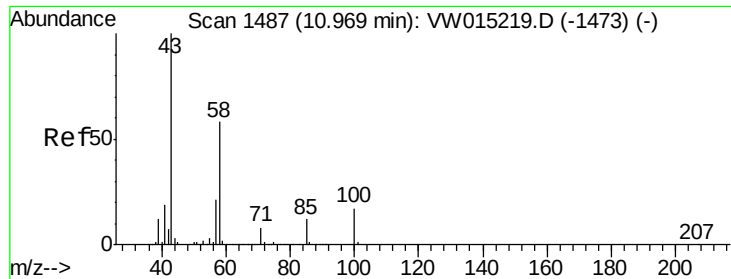
Tgt Ion: 76 Resp: 92096
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 296.921 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015308.D
 Acq: 22 Apr 2020 15:14

Tgt Ion: 63 Resp: 172893
 Ion Ratio Lower Upper
 63 100
 106 34.2 22.6 33.8#

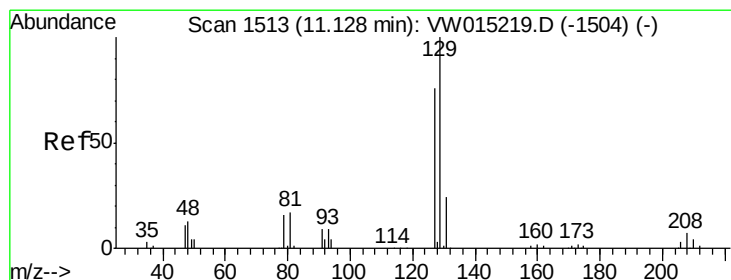
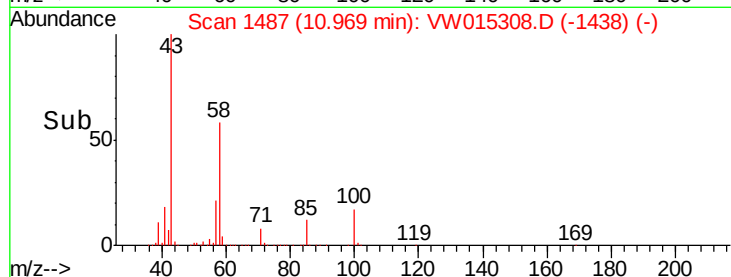
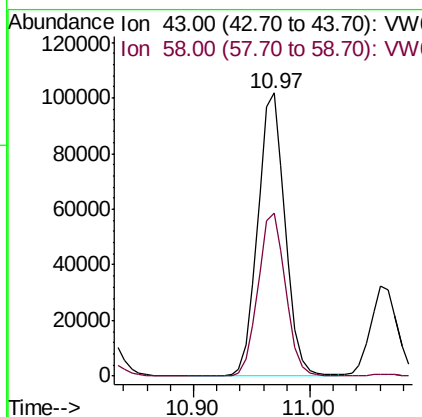
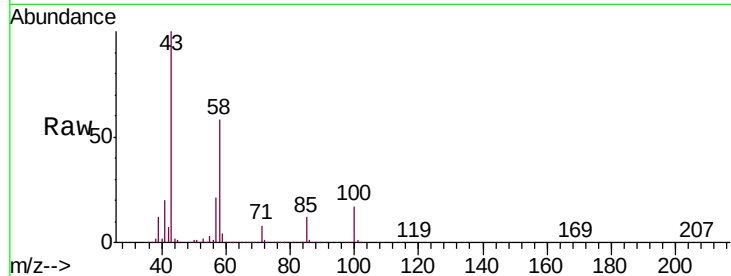




#59
2-Hexanone
Concen: 376.203 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

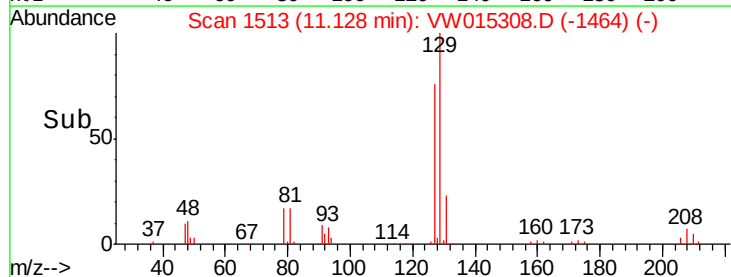
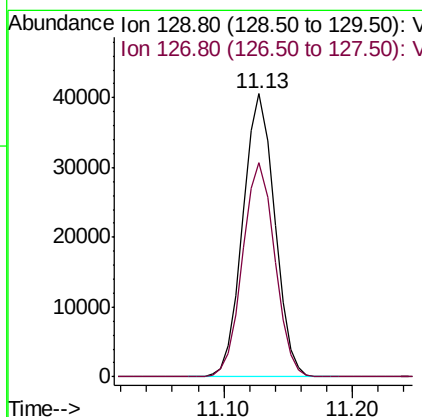
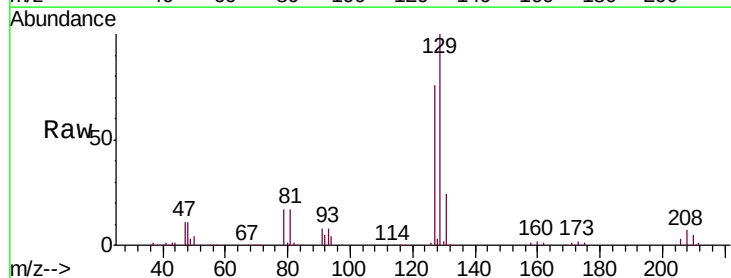
Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MSD

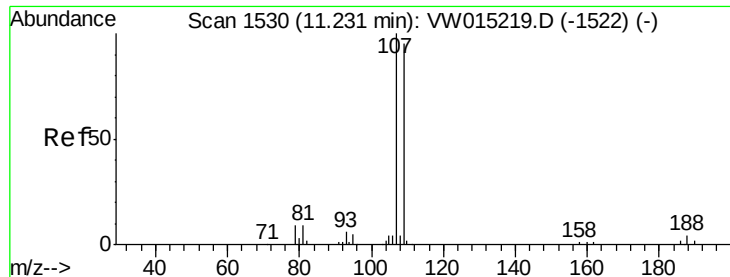
Tgt Ion: 43 Resp: 166260
Ion Ratio Lower Upper
43 100
58 58.2 28.1 84.3



#60
Dibromochloromethane
Concen: 53.853 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion: 129 Resp: 69323
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8





#61

1,2-Dibromoethane

Concen: 51.757 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

Instrument :

MSVOA_W

ClientSampleId :

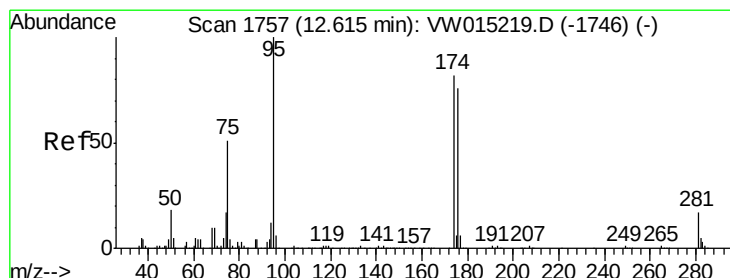
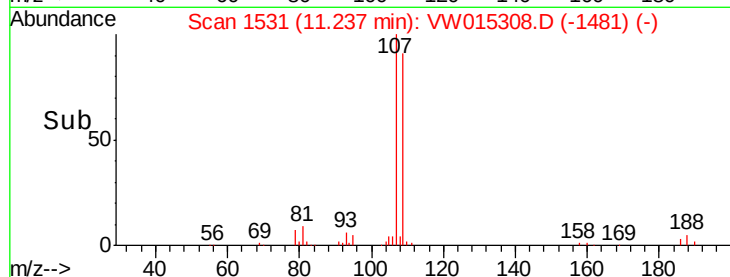
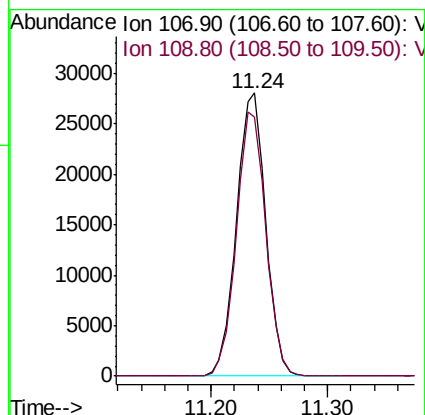
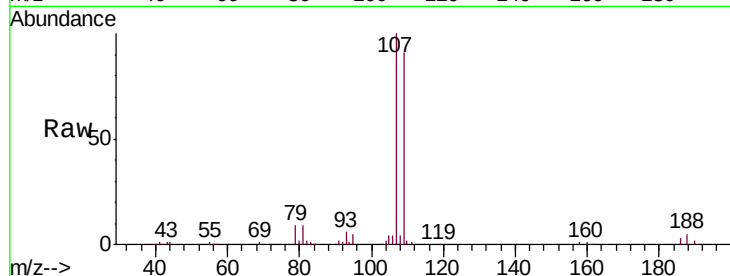
WB-4-1MSD

Tgt Ion: 107 Resp: 49237

Ion Ratio Lower Upper

107 100

109 93.9 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 23.892 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW015308.D

Acq: 22 Apr 2020 15:14

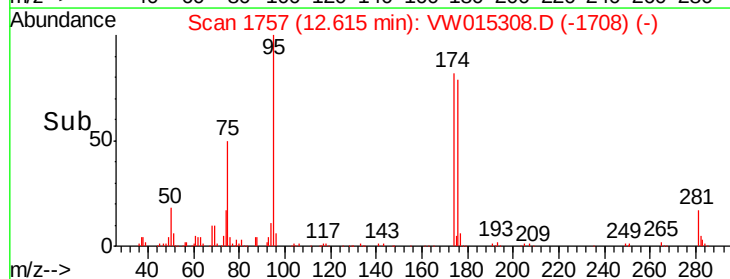
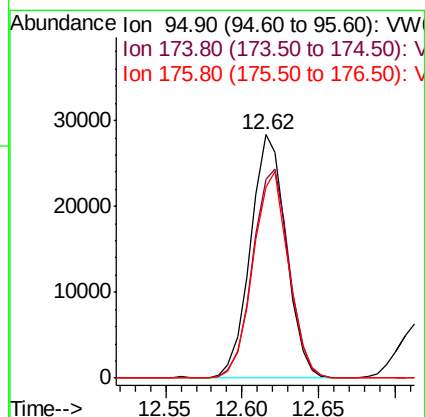
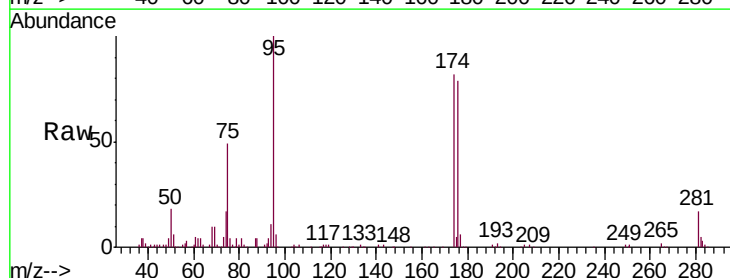
Tgt Ion: 95 Resp: 45600

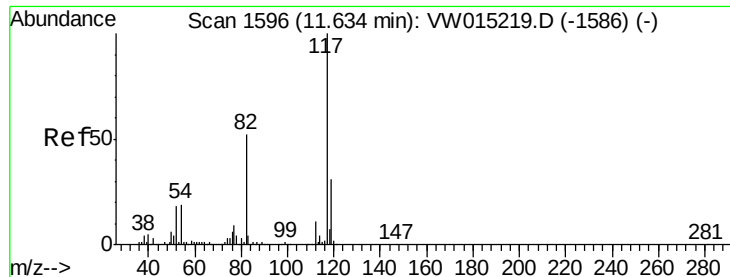
Ion Ratio Lower Upper

95 100

174 88.5 0.0 144.4

176 85.7 0.0 140.6

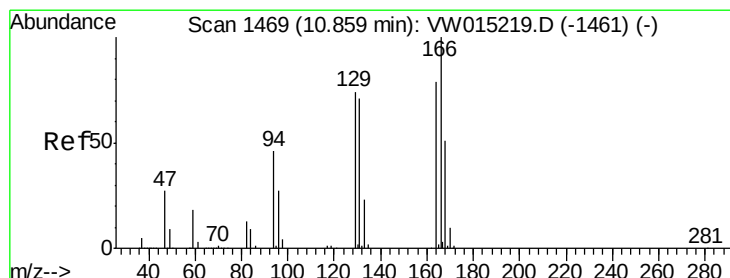
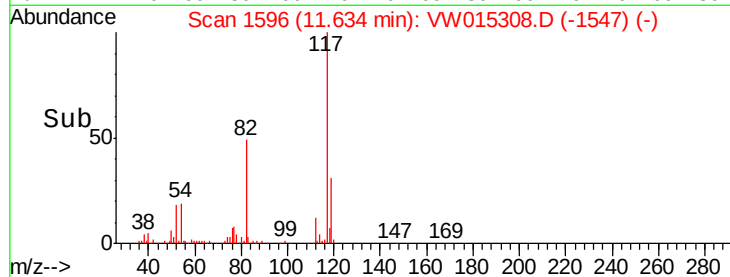
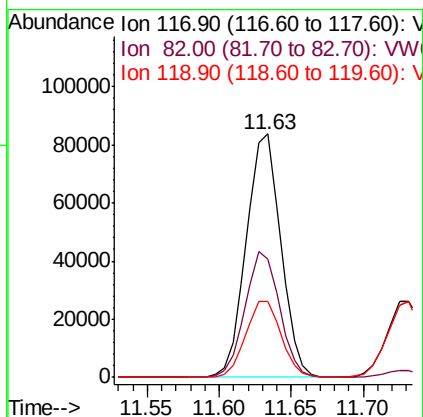
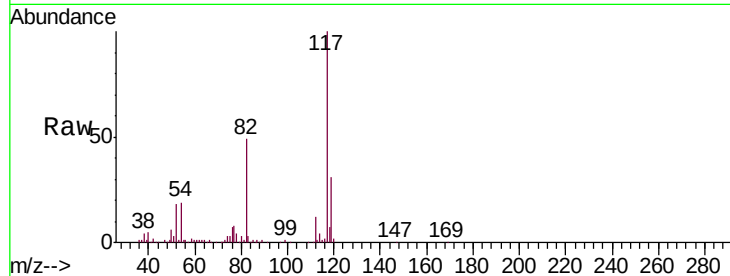




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Instrument :
MSVOA_W
ClientSampleId :
WB-4-1MSD

Tgt Ion:117 Resp: 139268
Ion Ratio Lower Upper
117 100
82 48.7 44.1 66.1
119 31.2 24.9 37.3



#64
Tetrachloroethene
Concen: 44.674 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015308.D
Acq: 22 Apr 2020 15:14

Tgt Ion:164 Resp: 44404
Ion Ratio Lower Upper
164 100
166 130.4 102.6 154.0
129 85.3 80.2 120.2
131 84.1 77.4 116.2

