

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010454.D
 Acq On : 20 May 2019 17:48
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Quant Time: May 21 06:47:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	152578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	257291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	226002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	111496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	75010	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	7.88	113	78975	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.32	98	303842	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.62	95	116210	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	68325	50.266	ug/l	99
3) Chloromethane	2.21	50	81879	51.076	ug/l	99
4) Vinyl Chloride	2.35	62	92818	49.985	ug/l	99
5) Bromomethane	2.75	94	63811	49.952	ug/l	100
6) Chloroethane	2.91	64	60996	51.170	ug/l	99
7) Trichlorofluoromethane	3.25	101	135146	49.297	ug/l	98
8) Diethyl Ether	3.68	74	41587	47.855	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	83139	49.244	ug/l	99
10) Methyl Iodide	4.27	142	94106	48.767	ug/l	97
11) Tert butyl alcohol	5.17	59	31776	224.315	ug/l	99
12) 1,1-Dichloroethene	4.04	96	80087	49.693	ug/l	98
13) Acrolein	3.90	56	18085	216.071	ug/l	93
14) Allyl chloride	4.67	41	114505	49.084	ug/l	100
15) Acrylonitrile	5.37	53	86112	236.605	ug/l	99
16) Acetone	4.12	43	80582	250.671	ug/l	98
17) Carbon Disulfide	4.37	76	242741	50.497	ug/l	100
18) Methyl Acetate	4.67	43	34855	44.333	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	197923	48.173	ug/l	97
20) Methylene Chloride	4.92	84	84662	44.307	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	91697	49.604	ug/l	98
22) Diisopropyl ether	6.31	45	232074	48.517	ug/l	99
23) Vinyl Acetate	6.26	43	701313	245.445	ug/l	100
24) 1,1-Dichloroethane	6.21	63	141553	49.589	ug/l	100
25) 2-Butanone	7.17	43	107875	234.487	ug/l	99
26) 2,2-Dichloropropane	7.17	77	135526	49.843	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	99662	49.590	ug/l	99
28) Bromochloromethane	7.51	49	51474	50.365	ug/l	98
29) Tetrahydrofuran	7.53	42	71835	230.756	ug/l	99
30) Chloroform	7.68	83	150038	48.730	ug/l	99
31) Cyclohexane	7.95	56	141762	47.411	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	145942	49.592	ug/l	99
36) 1,1-Dichloropropene	8.09	75	119072	49.680	ug/l	99
37) Ethyl Acetate	7.25	43	48770	47.850	ug/l	100
38) Carbon Tetrachloride	8.07	117	131162	50.729	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	164338	51.178	ug/l	97
40) Benzene	8.32	78	336262	50.476	ug/l	99
41) Methacrylonitrile	7.48	41	28125	46.442	ug/l	97
42) 1,2-Dichloroethane	8.40	62	93928	49.332	ug/l	99
43) Isopropyl Acetate	8.43	43	98279	48.266	ug/l	99
44) Trichloroethene	9.09	130	101223	51.181	ug/l	98
45) 1,2-Dichloropropane	9.37	63	79827	50.455	ug/l	99
46) Dibromomethane	9.46	93	45731	49.424	ug/l	98
47) Bromodichloromethane	9.65	83	115956	49.869	ug/l	97
48) Methyl methacrylate	9.43	41	45086	48.400	ug/l	99
49) 1,4-Dioxane	9.45	88	14645	968.907	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	246483	238.889	ug/l	100
52) Toluene	10.39	92	224471	50.174	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	117401	49.854	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	136998	50.939	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66894	50.275	ug/l	96
56) Ethyl methacrylate	10.65	69	87883	47.891	ug/l	99
57) 1,3-Dichloropropane	10.93	76	110981	49.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	203936	250.905	ug/l	100
59) 2-Hexanone	10.97	43	175837	238.901	ug/l	100
60) Dibromochloromethane	11.13	129	83590	49.639	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65872	48.872	ug/l	99
64) Tetrachloroethene	10.86	164	80665	51.201	ug/l	98
65) Chlorobenzene	11.66	112	243999	50.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	88059	51.036	ug/l	99
67) Ethyl Benzene	11.73	91	430498	50.623	ug/l	100
68) m/p-Xylenes	11.84	106	340321	102.029	ug/l	99
69) o-Xylene	12.17	106	162628	51.461	ug/l	97
70) Styrene	12.18	104	276286	51.526	ug/l	99
71) Bromoform	12.35	173	48548	51.094	ug/l #	98
73) Isopropylbenzene	12.47	105	440495	49.787	ug/l	100
74) N-amyl acetate	12.27	43	97163	47.923	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	74505	46.298	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	98075	86.657	ug/l	26
77) Bromobenzene	12.75	156	99963	50.488	ug/l	98
78) n-propylbenzene	12.80	91	509215	49.387	ug/l	100
79) 2-Chlorotoluene	12.90	91	291165	48.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	371296	49.550	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	26659	49.161	ug/l	96
82) 4-Chlorotoluene	12.99	91	307901	49.610	ug/l	99
83) tert-Butylbenzene	13.21	119	321156	49.065	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	371174	49.734	ug/l	100
85) sec-Butylbenzene	13.38	105	451129	49.250	ug/l	100
86) p-Isopropyltoluene	13.50	119	413510	49.874	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	195876	50.425	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	193987	49.774	ug/l	99
89) n-Butylbenzene	13.83	91	396894	50.327	ug/l	100
90) Hexachloroethane	14.10	117	80673	50.270	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	177262	50.083	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13853	46.295	ug/l	96

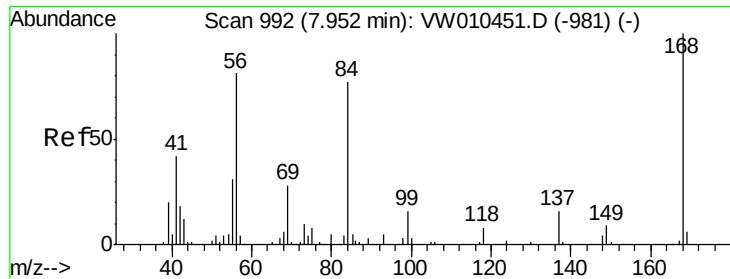
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	125235	52.004	ug/l	99
94) Hexachlorobutadiene	15.24	225	67069	52.133	ug/l	97
95) Naphthalene	15.37	128	256513	50.744	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	108929	52.568	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

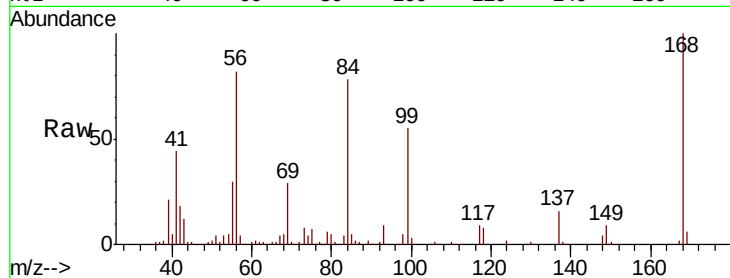
ICVW052019

Tot Ion:168 Resp: 152578

Ion Ratio Lower Upper

168 100

99 55.3 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

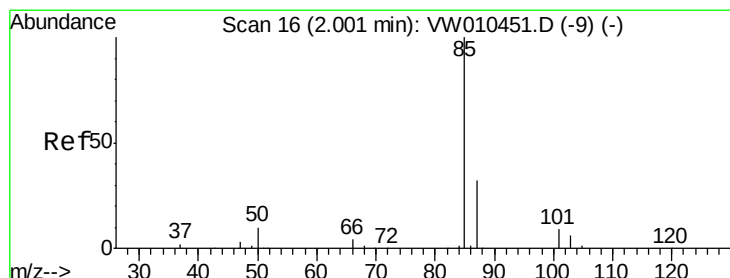
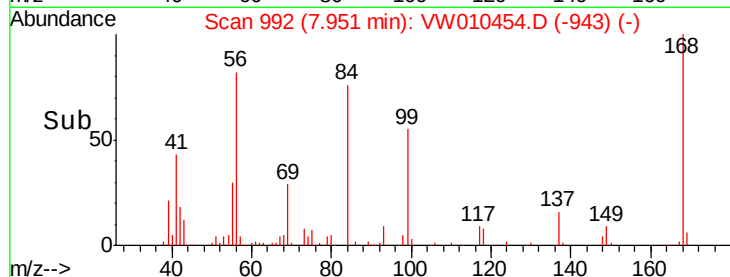
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 50.266 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW010454.D

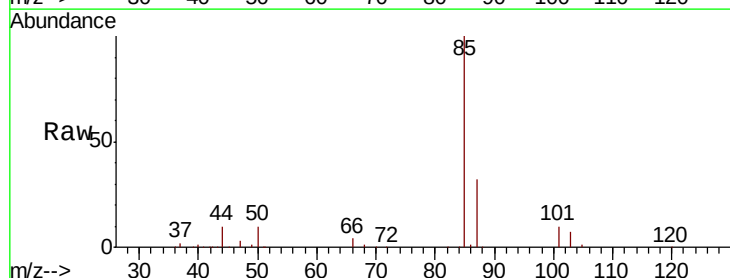
Acq: 20 May 2019 17:48

Tgt Ion: 85 Resp: 68325

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

20000

10000

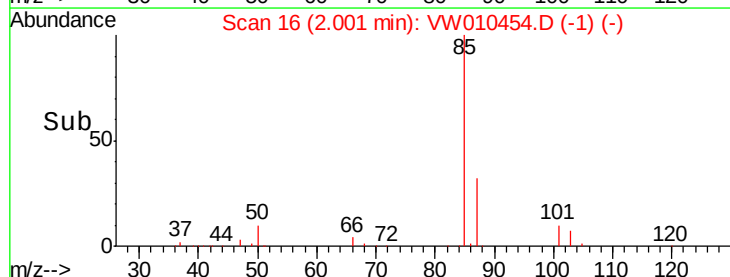
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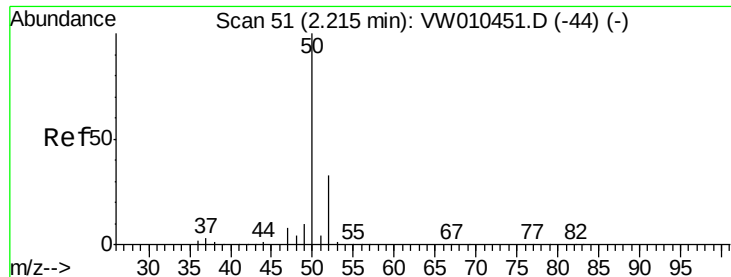
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 51.076 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

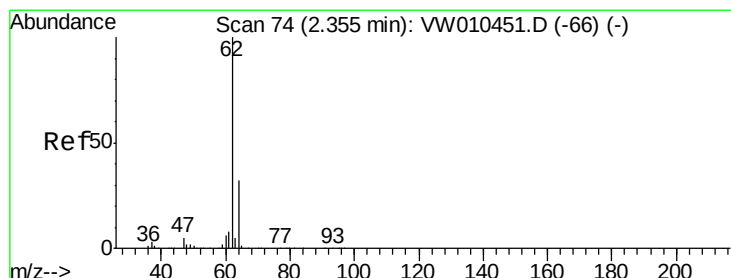
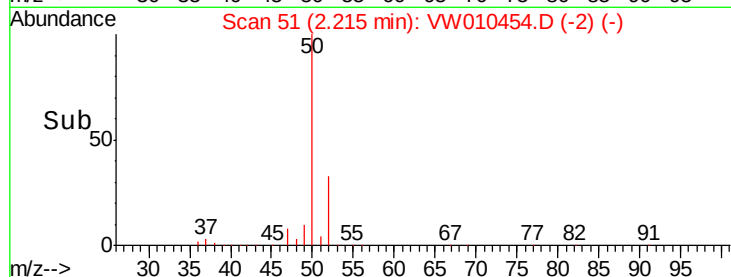
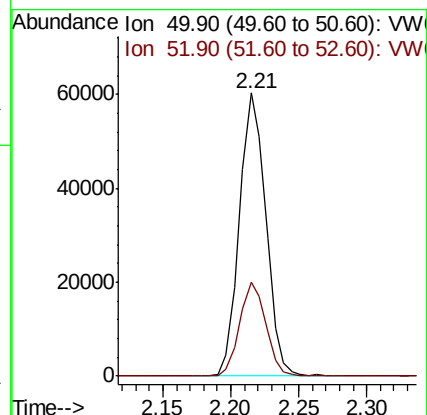
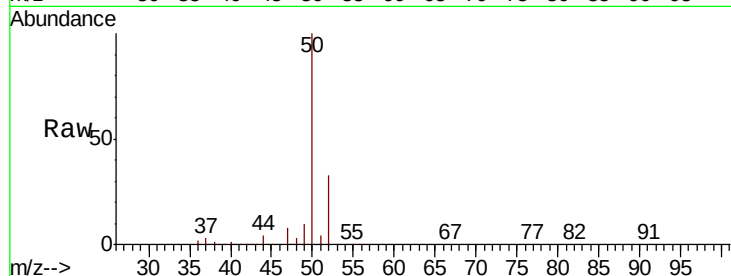
ICVW052019

Tot Ion: 50 Resp: 81879

Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5



#4

Vinyl Chloride

Concen: 49.985 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010454.D

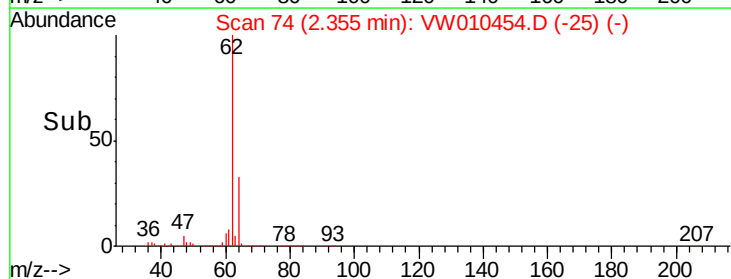
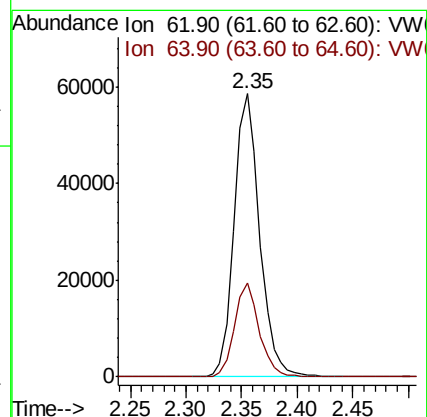
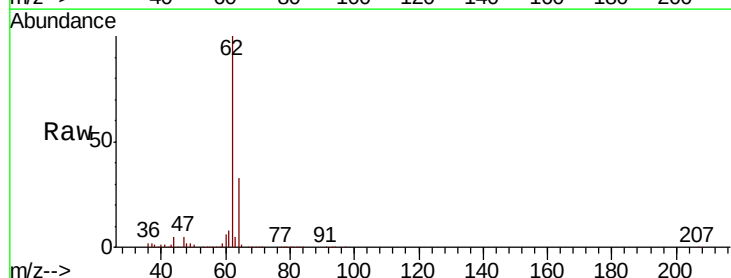
Acq: 20 May 2019 17:48

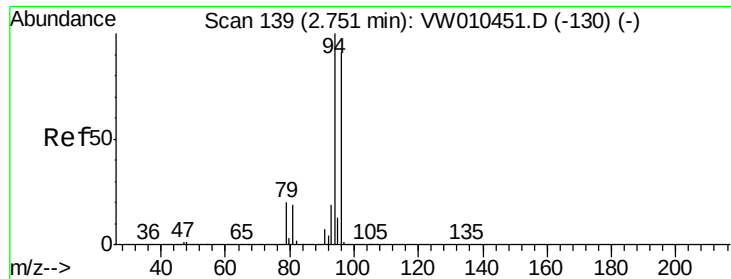
Tgt Ion: 62 Resp: 92818

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.8





#5

Bromomethane

Concen: 49.952 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

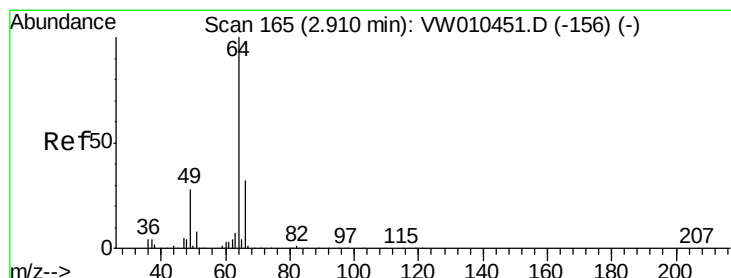
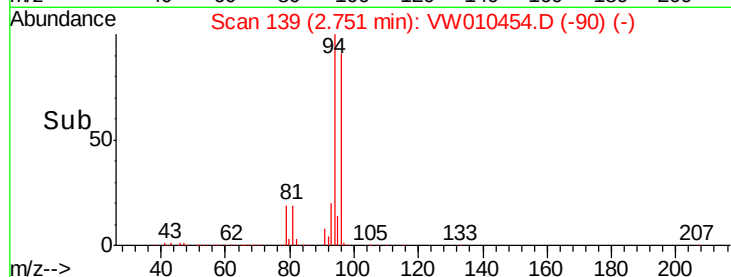
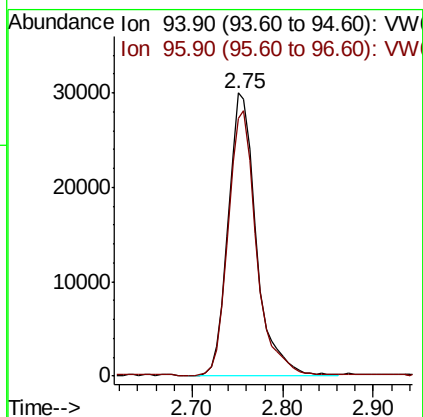
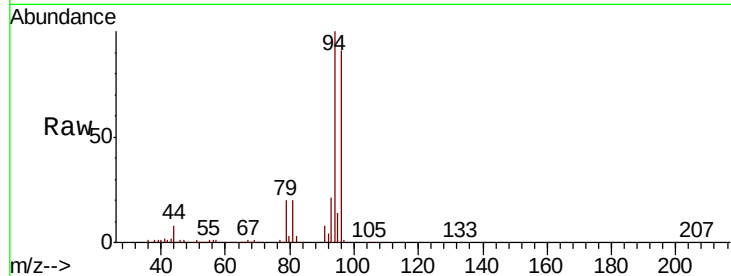
ICVW052019

Tot Ion: 94 Resp: 63811

Ion Ratio Lower Upper

94 100

96 90.9 72.9 109.3



#6

Chloroethane

Concen: 51.170 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010454.D

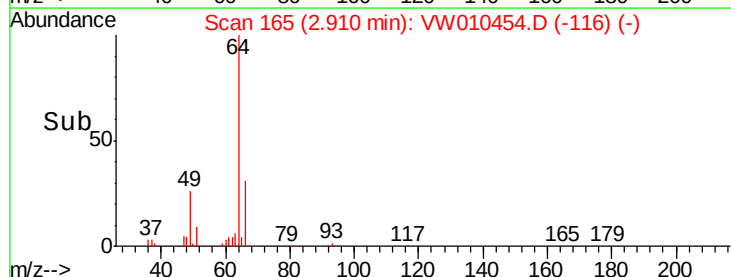
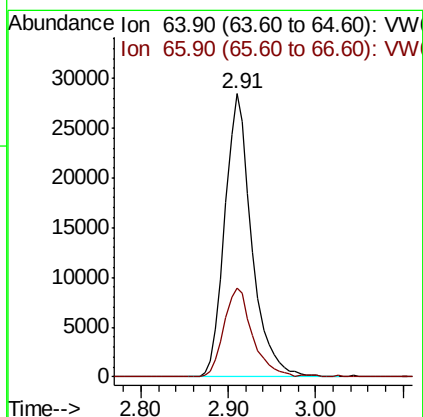
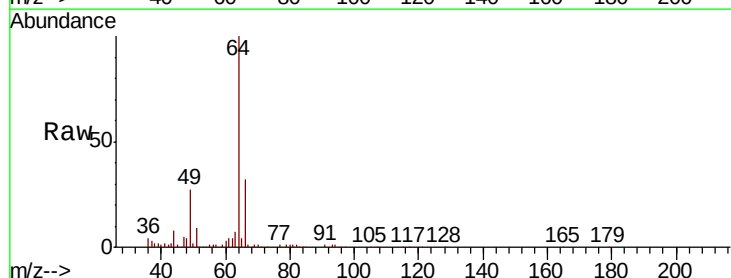
Acq: 20 May 2019 17:48

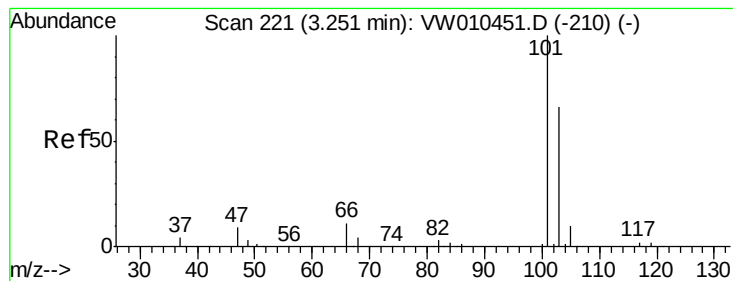
Tgt Ion: 64 Resp: 60996

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



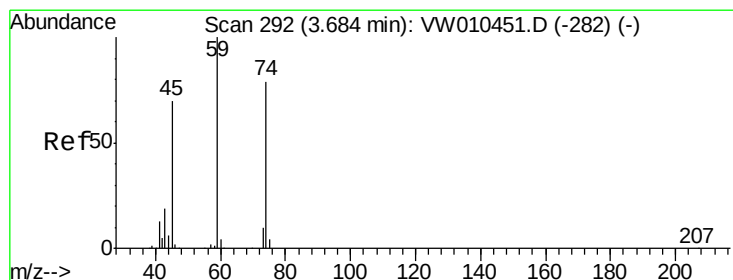
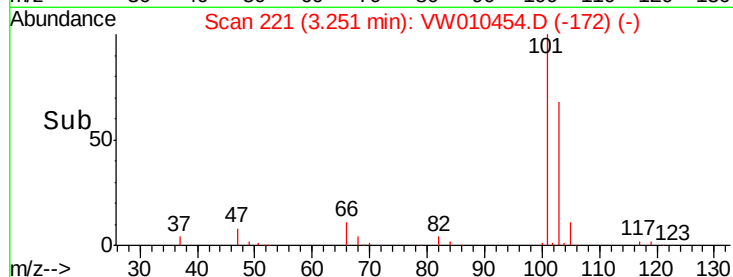
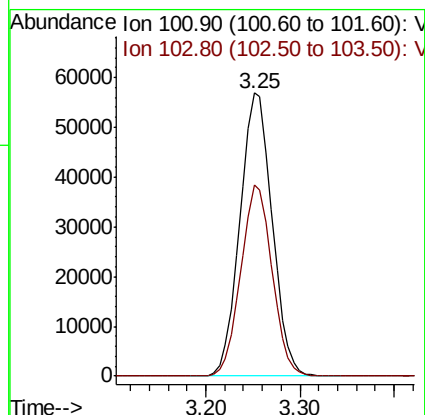
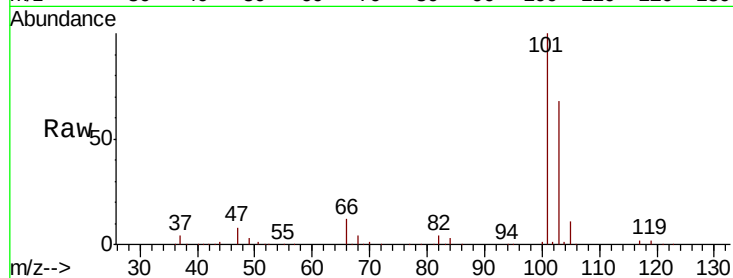


#7

Trichlorofluoromethane
 Concen: 49.297 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
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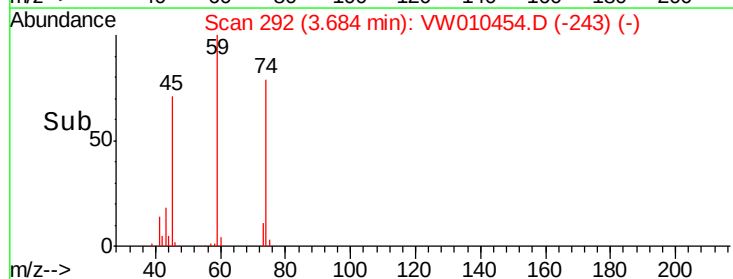
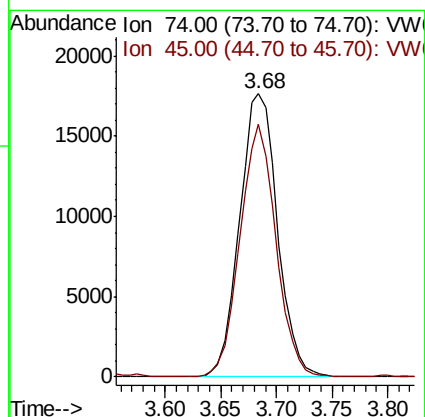
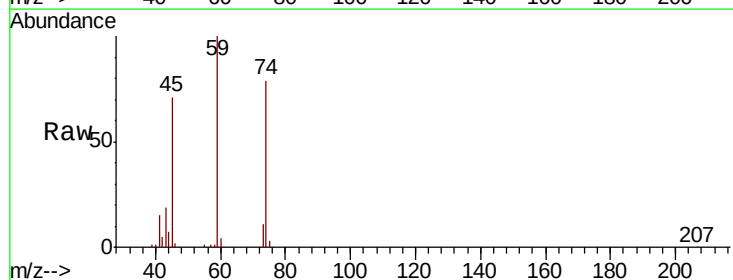
Tot Ion:101 Resp: 135146
 Ion Ratio Lower Upper
 101 100
 103 67.6 53.0 79.4

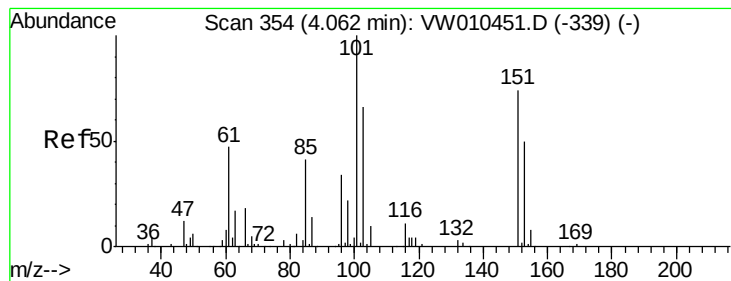


#8

Diethyl Ether
 Concen: 47.855 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 74 Resp: 41587
 Ion Ratio Lower Upper
 74 100
 45 84.9 42.9 128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.244 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

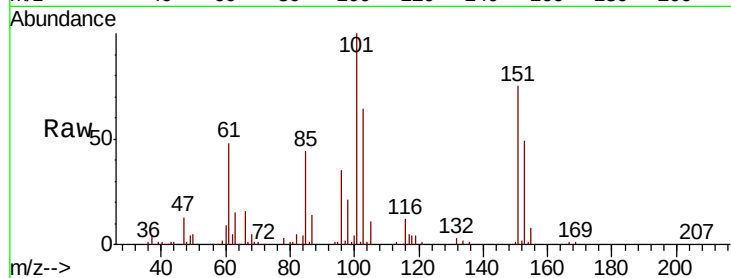
Tot Ion:101 Resp: 83139

Ion Ratio Lower Upper

101 100

85 42.6 34.3 51.5

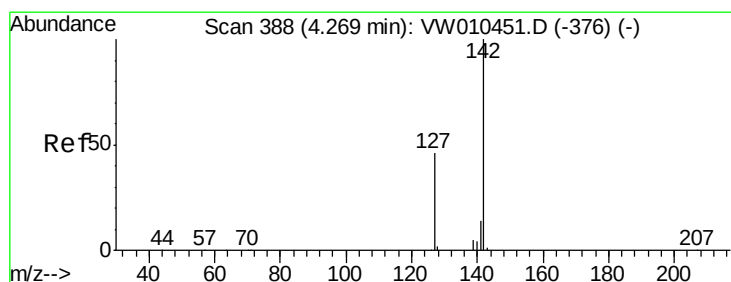
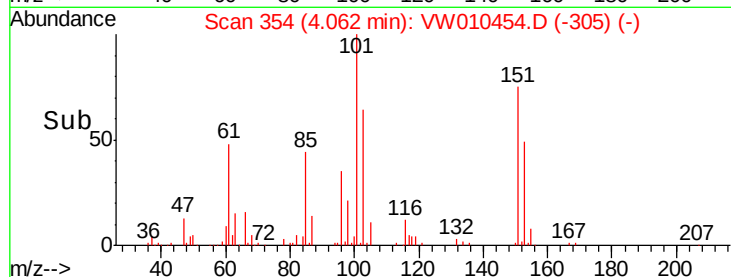
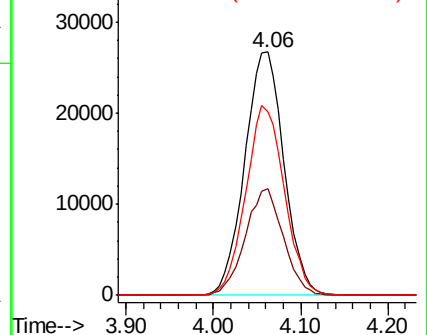
151 77.0 60.3 90.5



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: 48.767 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010454.D

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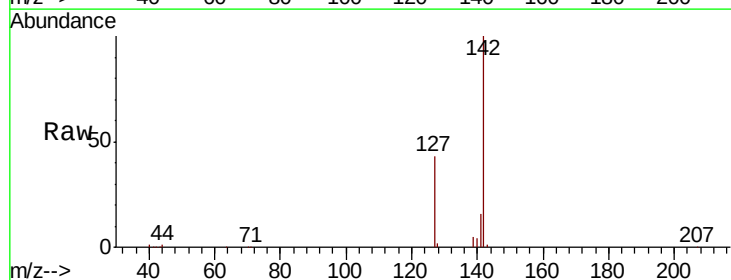
Tgt Ion:142 Resp: 94106

Ion Ratio Lower Upper

142 100

127 43.0 36.1 54.1

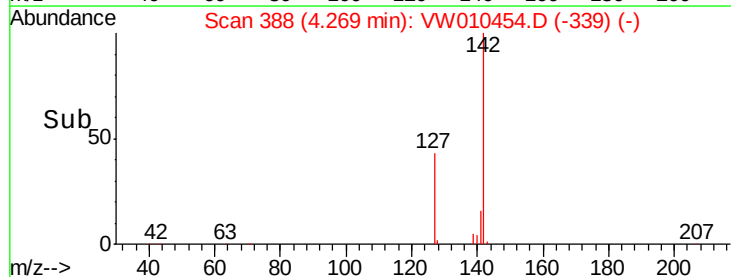
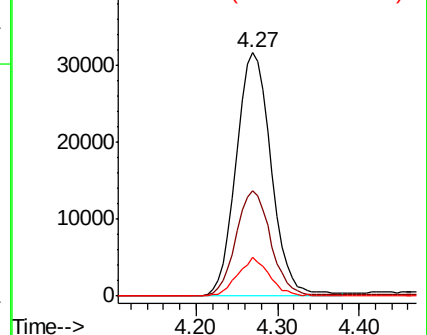
141 14.3 11.3 16.9

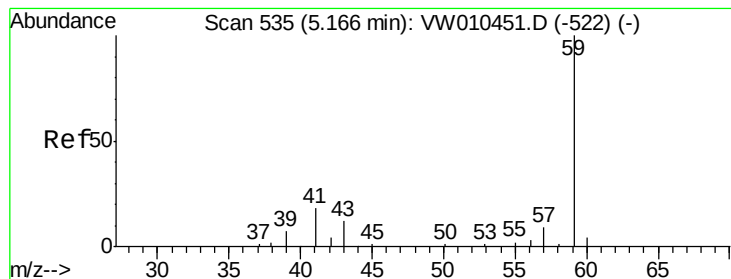


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



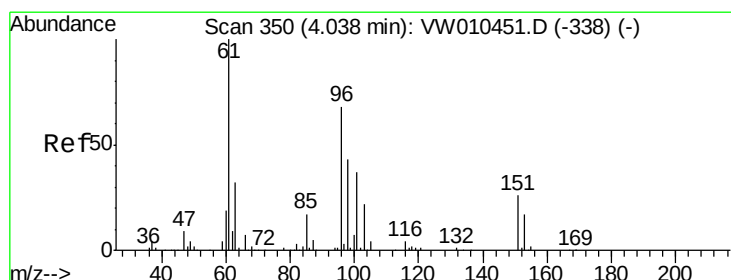
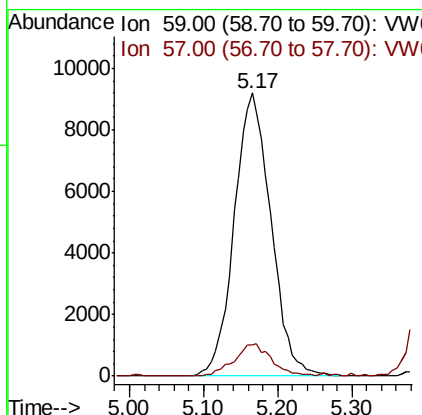
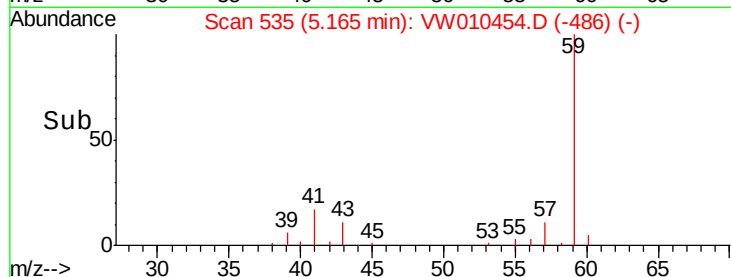
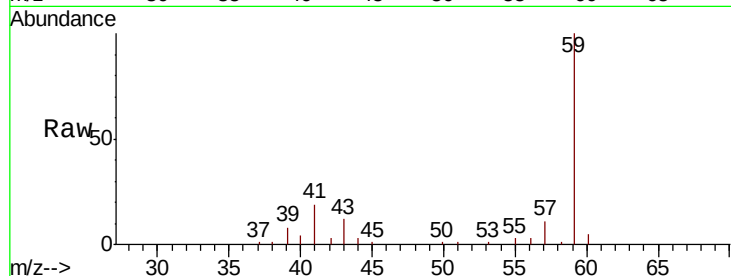


#11

Tert butyl alcohol
 Concen: 224.315 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

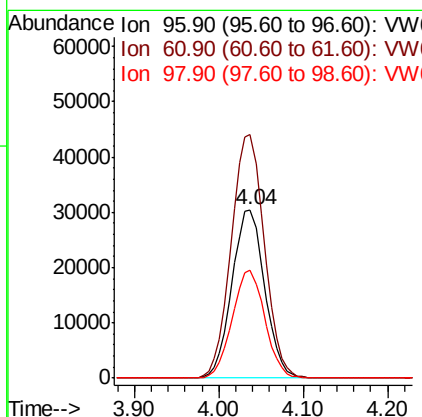
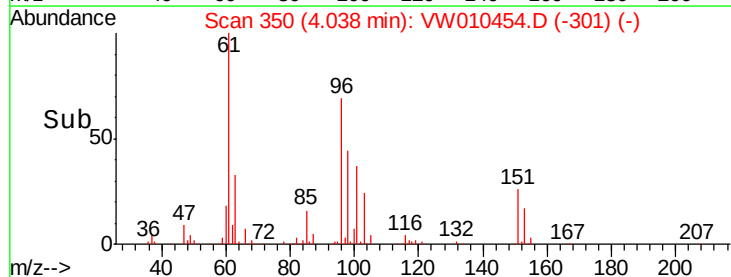
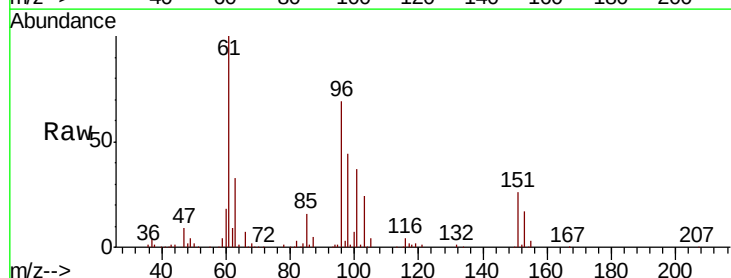
Tot Ion: 59 Resp: 31776
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.8 13.2

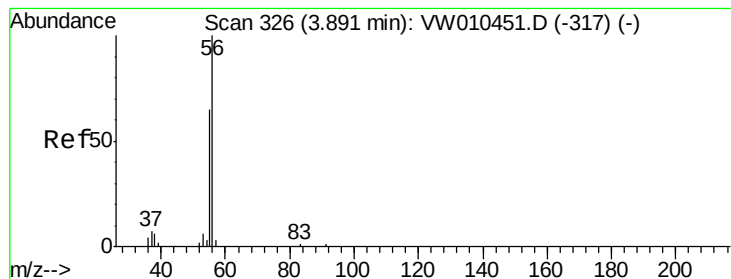


#12

1,1-Dichloroethene
 Concen: 49.693 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 96 Resp: 80087
 Ion Ratio Lower Upper
 96 100
 61 144.7 118.3 177.5
 98 64.1 51.0 76.6





#13

Acrolein

Concen: 216.071 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

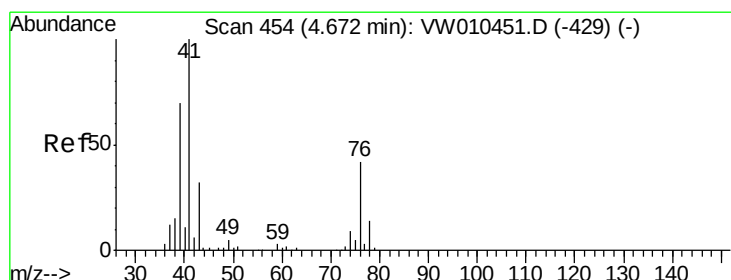
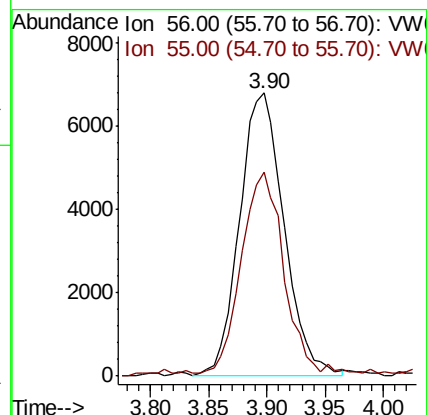
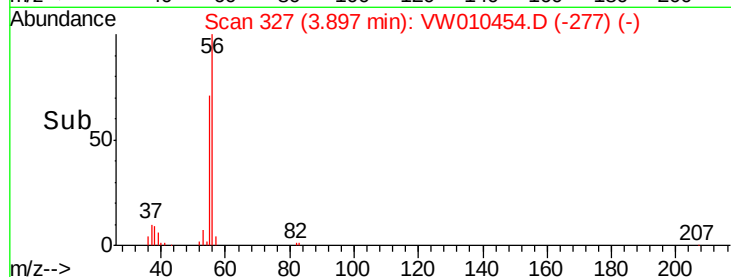
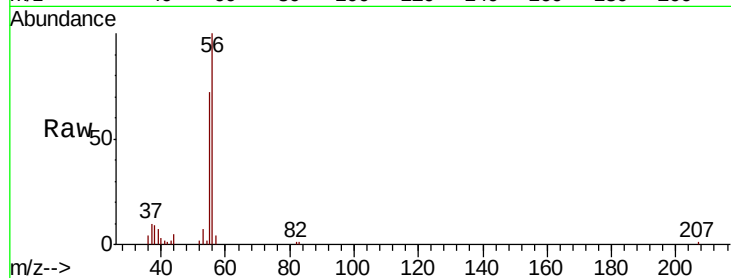
ICVW052019

Tot Ion: 56 Resp: 18085

Ion Ratio Lower Upper

56 100

55 66.7 57.9 86.9



#14

Allyl chloride

Concen: 49.084 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

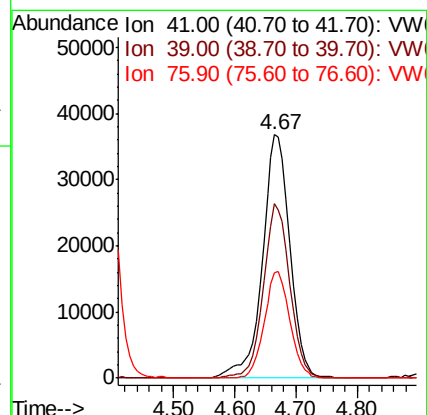
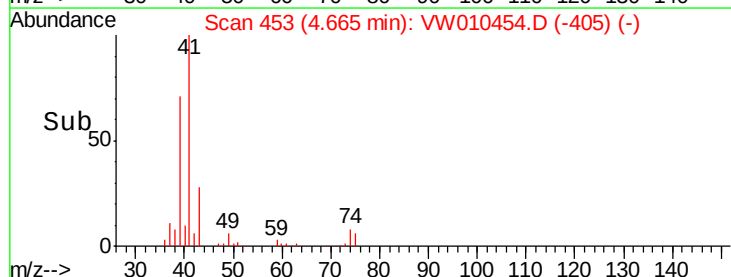
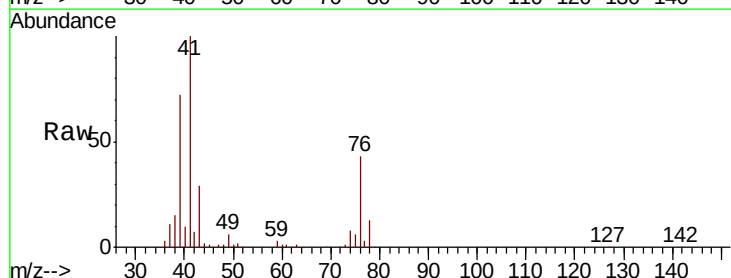
Tgt Ion: 41 Resp: 114505

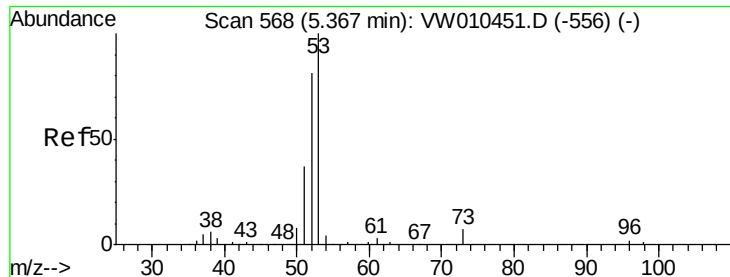
Ion Ratio Lower Upper

41 100

39 69.1 55.0 82.4

76 41.0 32.8 49.2





#15

Acrylonitrile

Concen: 236.605 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

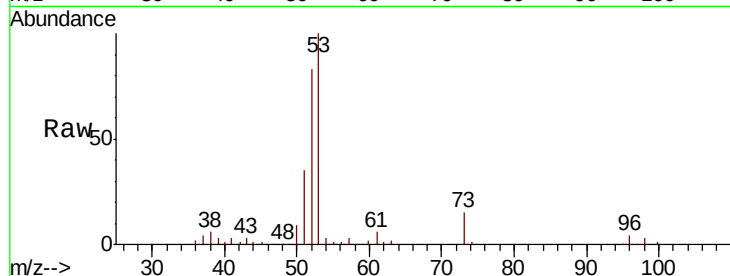
MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 53 Resp: 86112

Ion	Ratio	Lower	Upper
53	100		
52	81.2	65.6	98.4
51	36.4	29.5	44.3

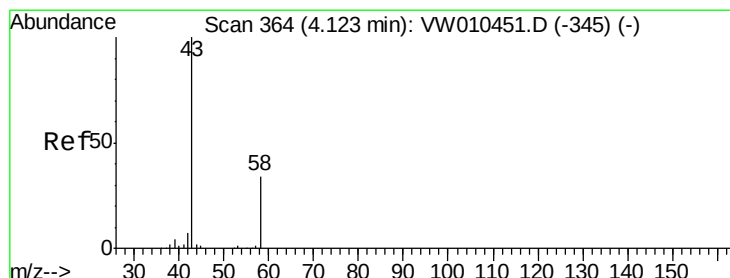
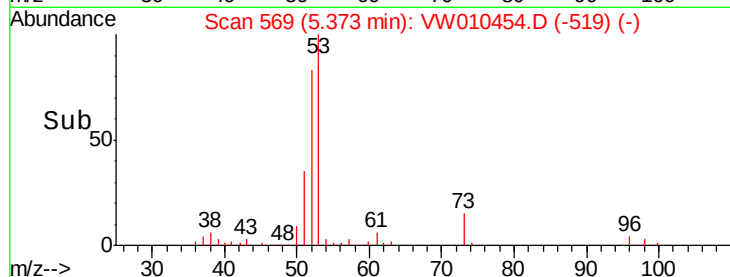
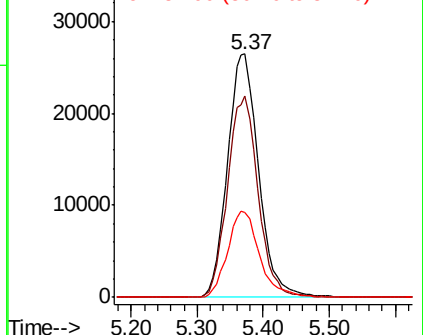


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 250.671 ug/l

RT: 4.12 min Scan# 364

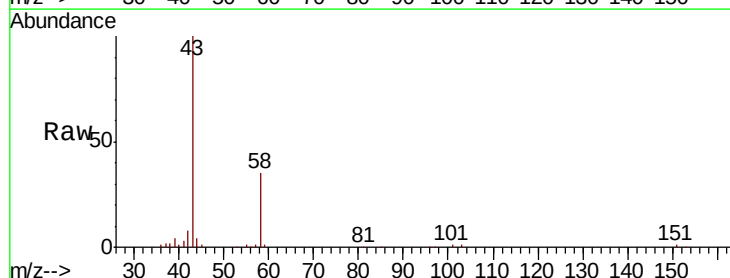
Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion: 43 Resp: 80582

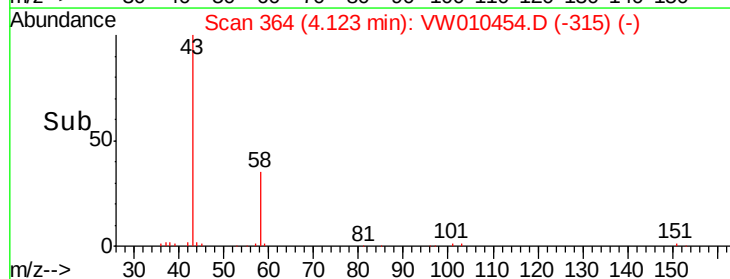
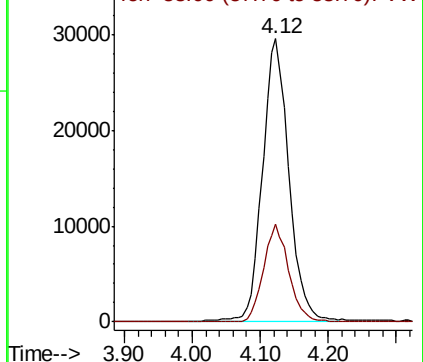
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.0	40.4

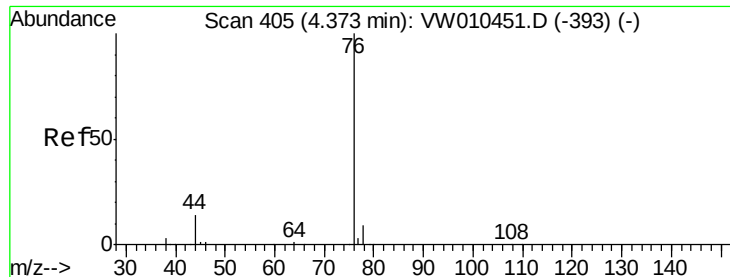


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

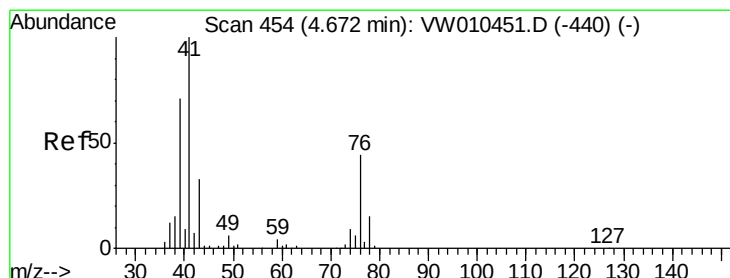
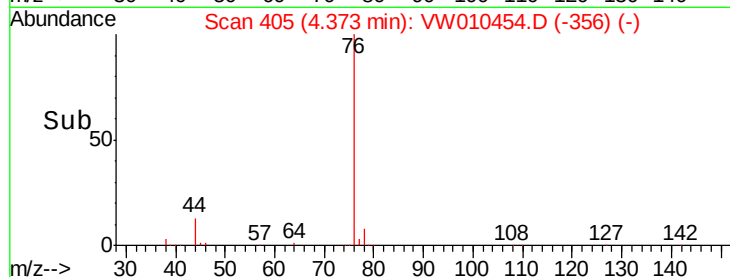
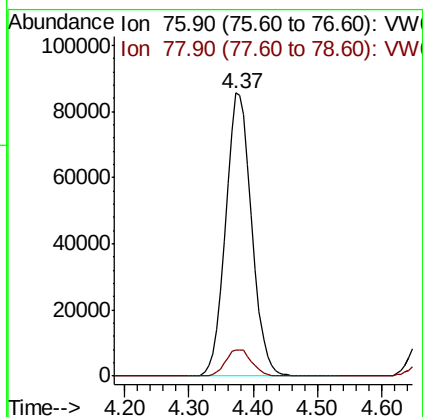
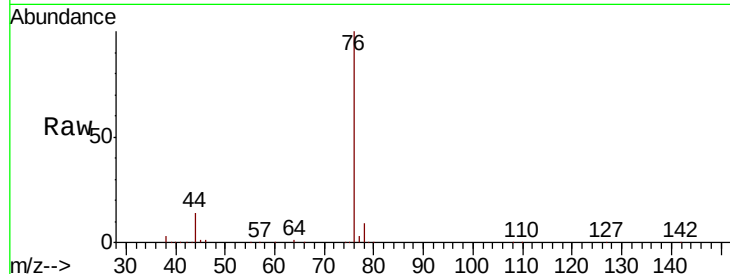




#17
Carbon Disulfide
Concen: 50.497 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

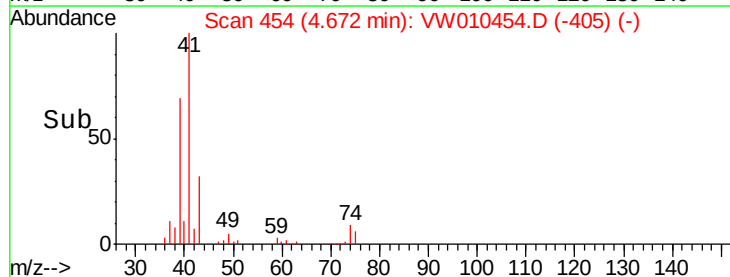
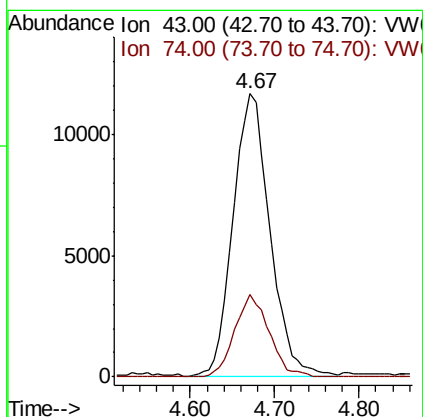
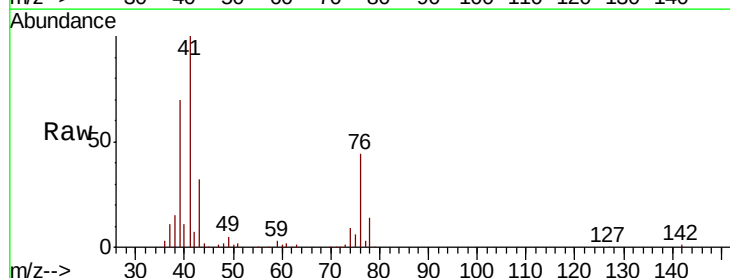
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

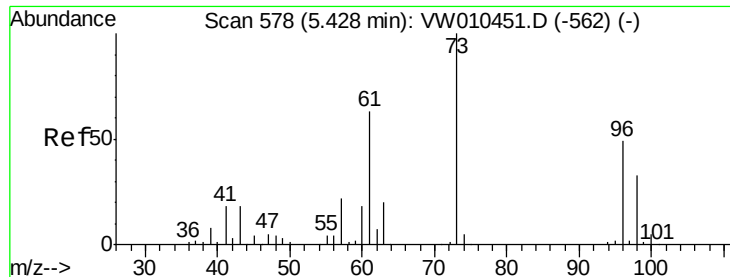
Tot Ion: 76 Resp: 242741
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 44.333 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 43 Resp: 34855
Ion Ratio Lower Upper
43 100
74 27.0 21.6 32.4

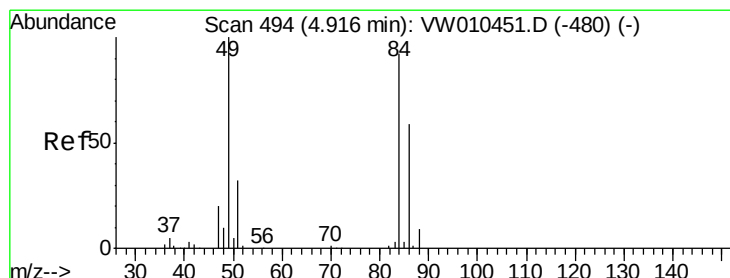
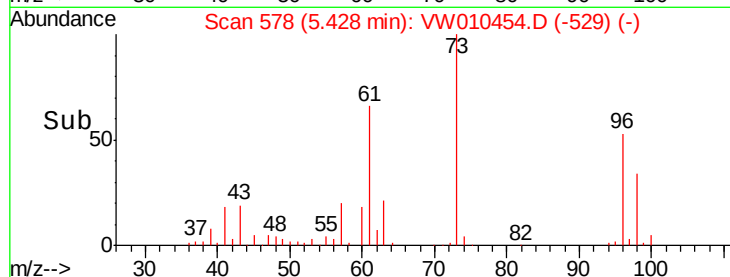
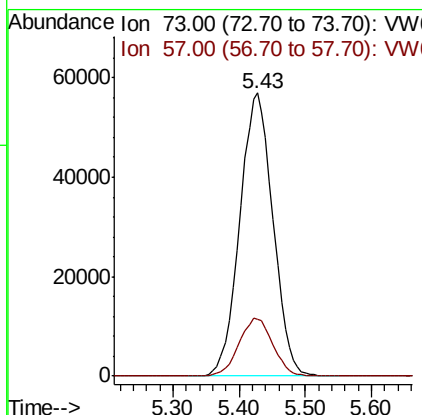
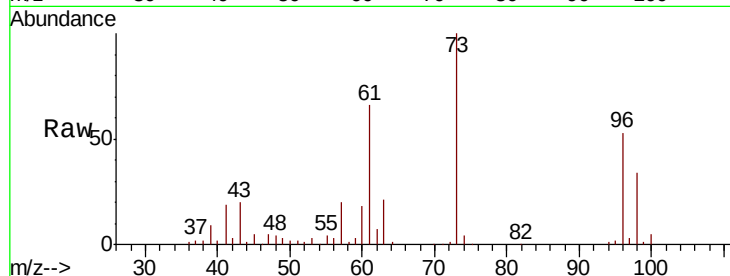




#19
Methyl tert-butyl Ether
Concen: 48.173 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

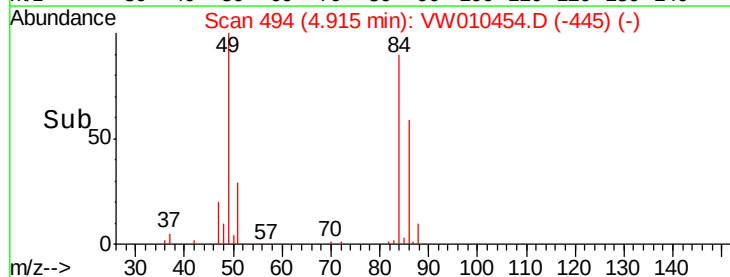
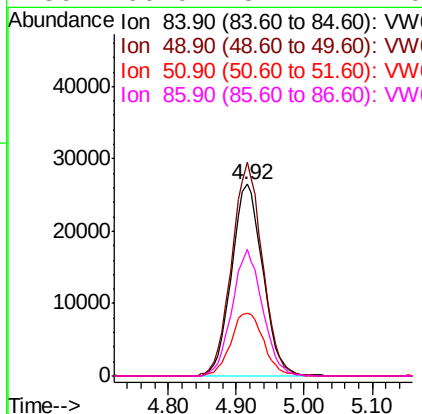
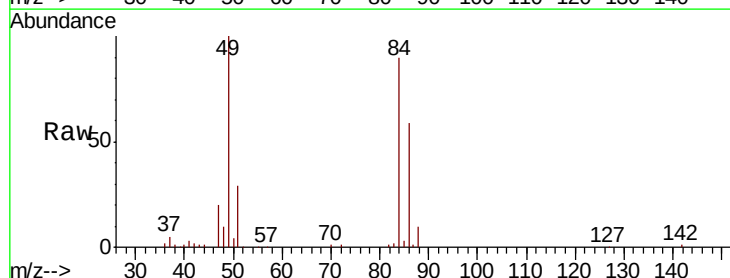
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

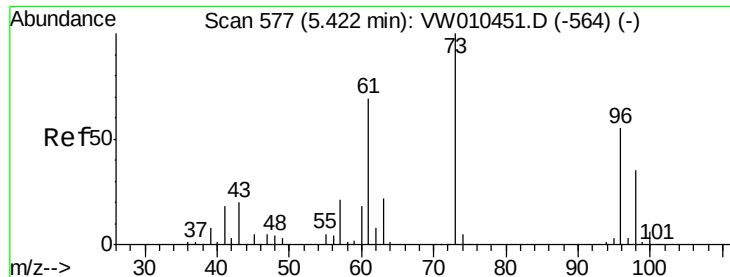
Tot Ion: 73 Resp: 197923
Ion Ratio Lower Upper
73 100
57 20.2 17.4 26.0



#20
Methylene Chloride
Concen: 44.307 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 84 Resp: 84662
Ion Ratio Lower Upper
84 100
49 111.3 87.2 130.8
51 32.8 27.7 41.5
86 66.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.604 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

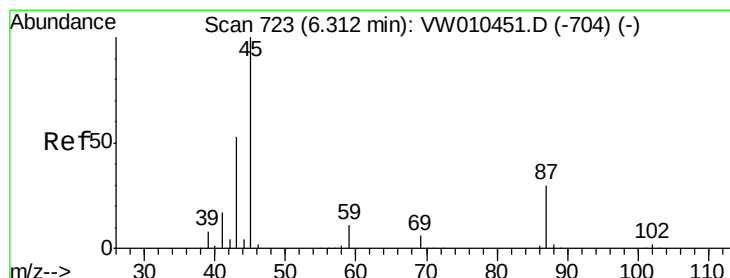
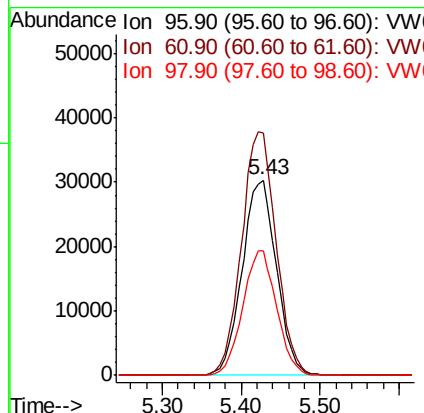
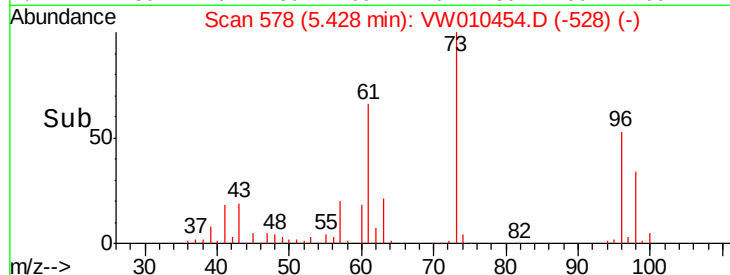
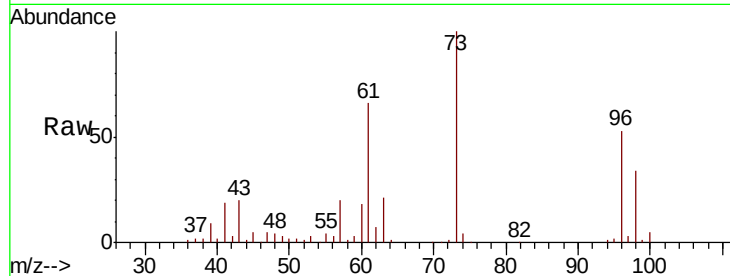
Tot Ion: 96 Resp: 91697

Ion Ratio Lower Upper

96 100

61 123.8 101.4 152.0

98 63.7 50.6 76.0



#22

Diisopropyl ether

Concen: 48.517 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion: 45 Resp: 232074

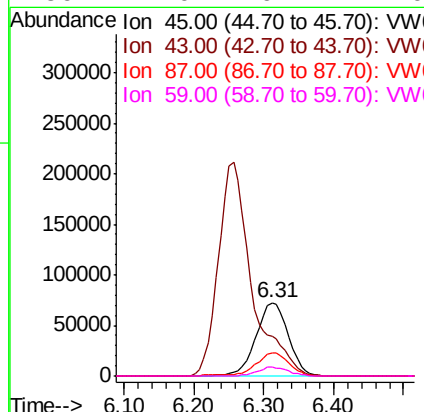
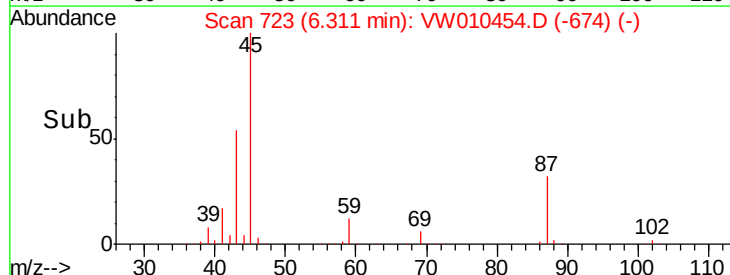
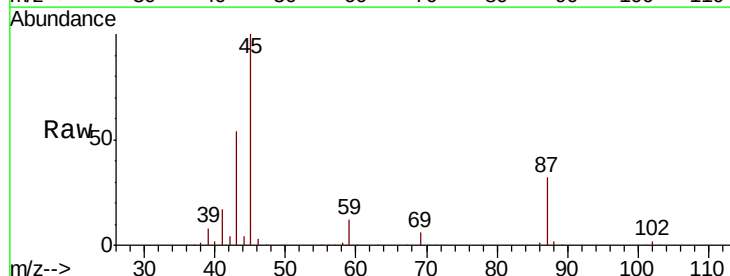
Ion Ratio Lower Upper

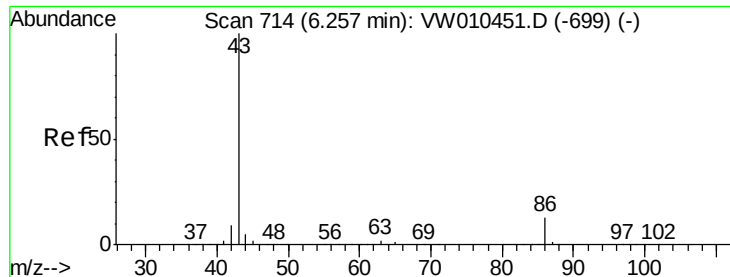
45 100

43 53.8 42.9 64.3

87 31.6 24.6 36.8

59 12.0 9.4 14.0





#23

Vinyl Acetate

Concen: 245.445 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

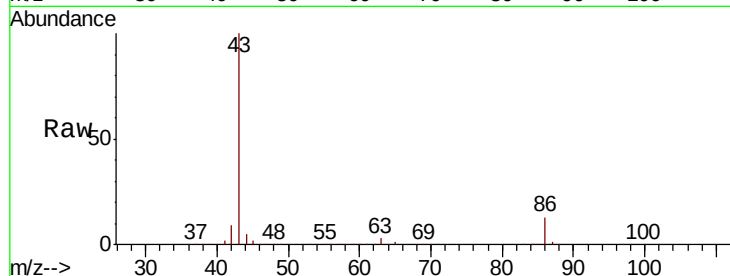
ICVW052019

Tot Ion: 43 Resp: 701313

Ion Ratio Lower Upper

43 100

86 12.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

250000

200000

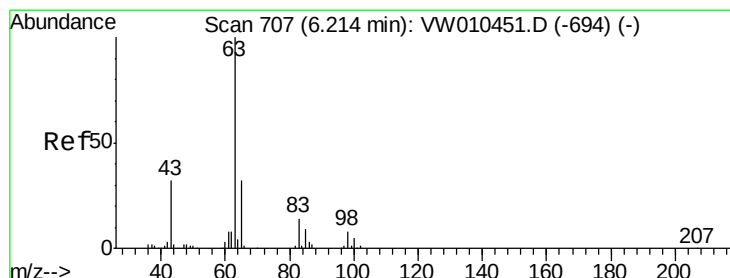
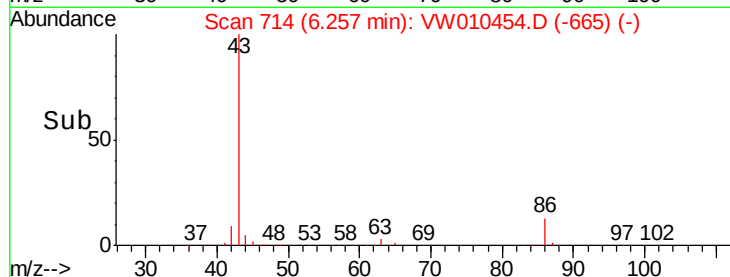
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.589 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

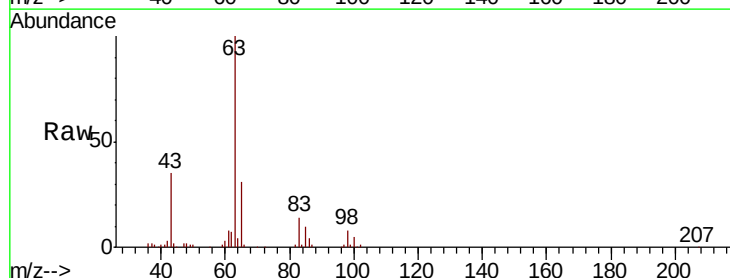
Tgt Ion: 63 Resp: 141553

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.2

100 4.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

60000

50000

40000

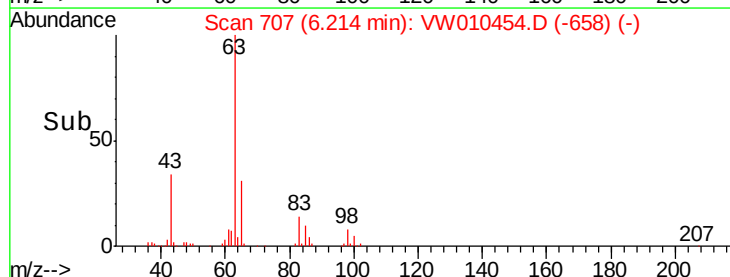
30000

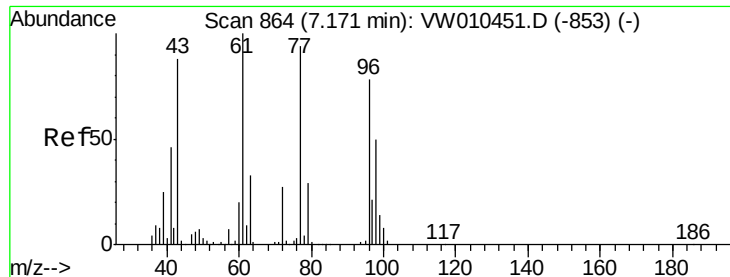
20000

10000

0

Time-->





#25

2-Butanone

Concen: 234.487 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

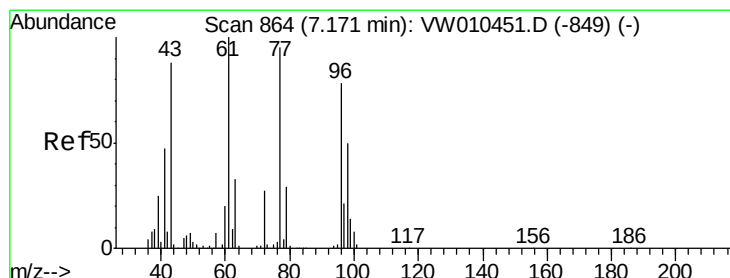
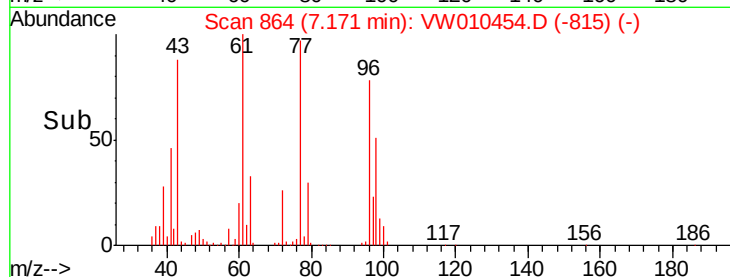
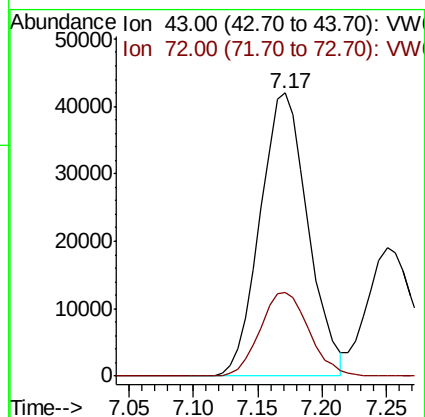
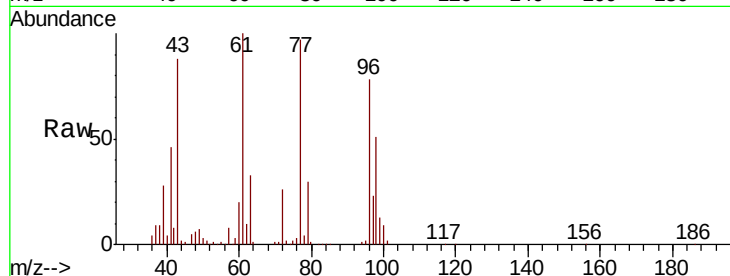
ICVW052019

Tot Ion: 43 Resp: 107875

Ion Ratio Lower Upper

43 100

72 29.6 24.1 36.1



#26

2,2-Dichloropropane

Concen: 49.843 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010454.D

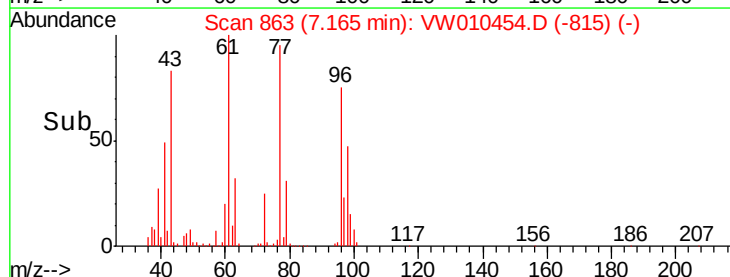
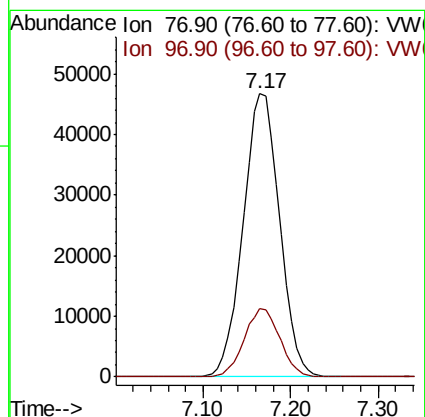
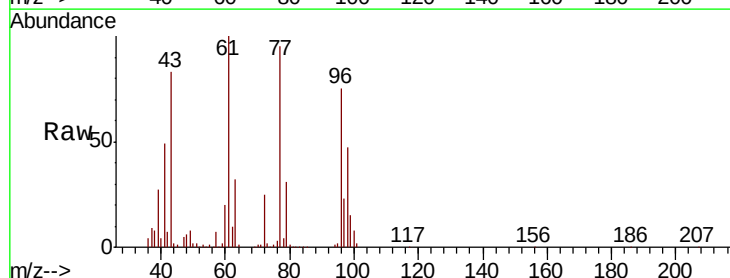
Acq: 20 May 2019 17:48

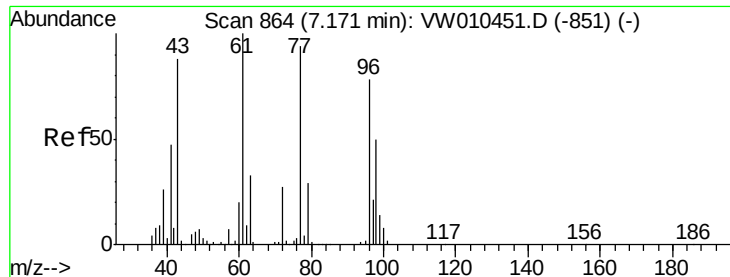
Tgt Ion: 77 Resp: 135526

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



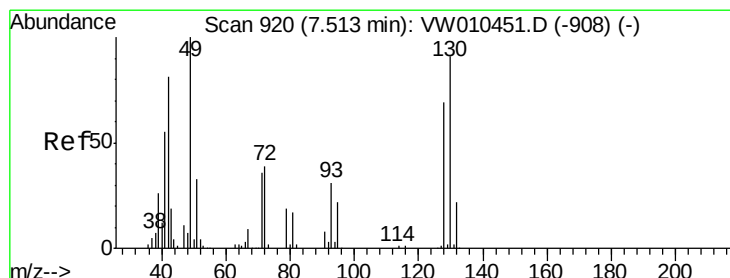
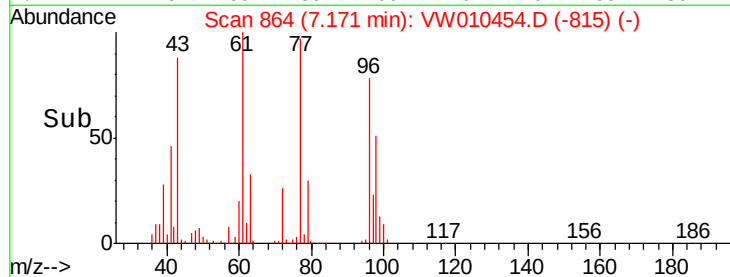
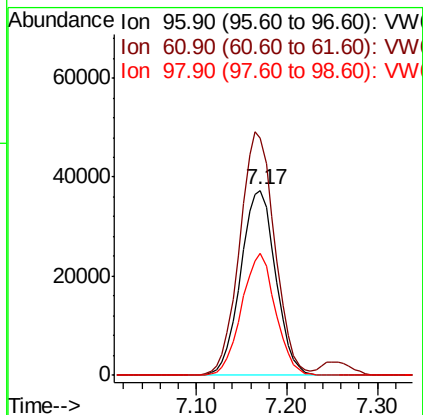
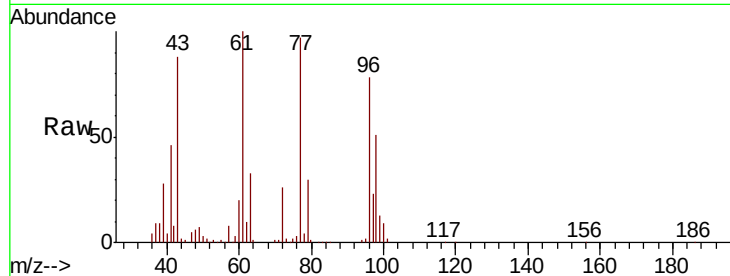


#27

cis-1,2-Dichloroethene
Concen: 49.590 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

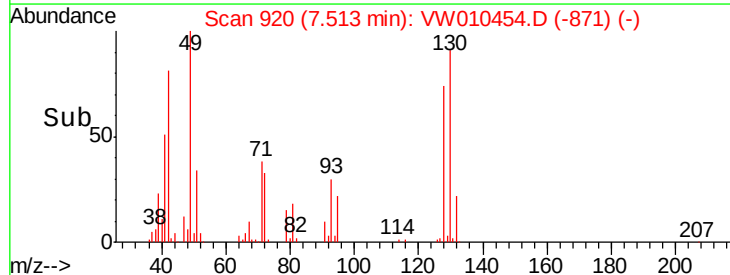
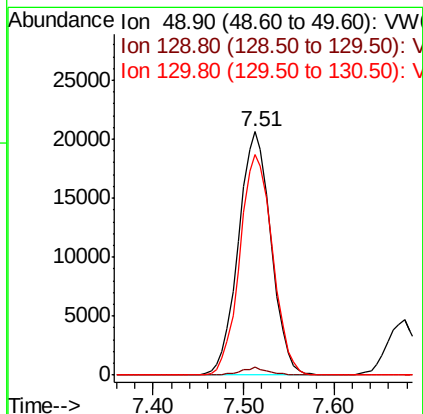
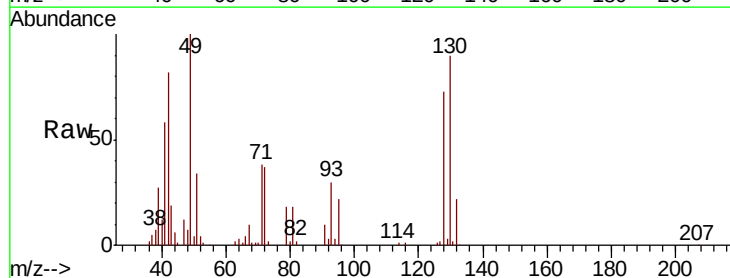
Tot Ion	96	Resp	99662
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	265.4
98	63.8	0.0	129.4

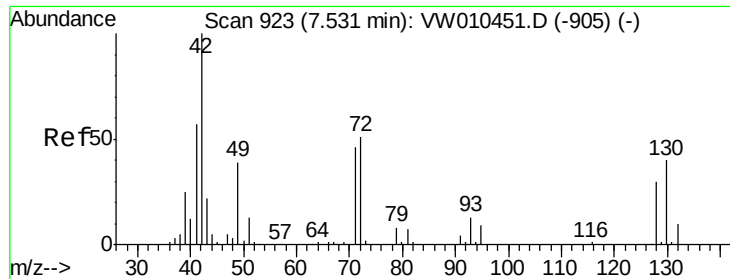


#28

Bromochloromethane
Concen: 50.365 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	49	Resp	51474
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	90.5	71.2	106.8

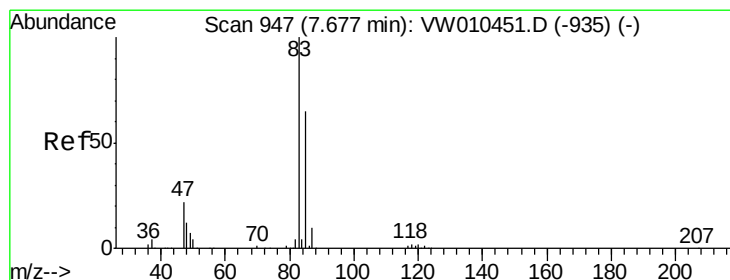
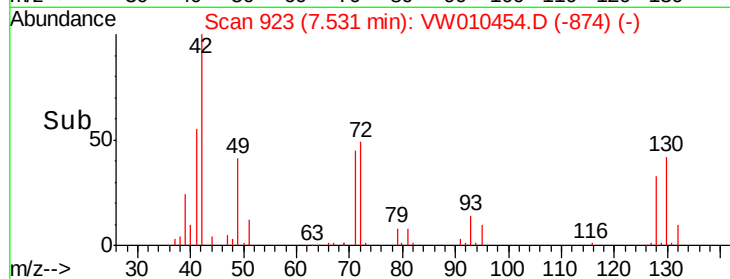
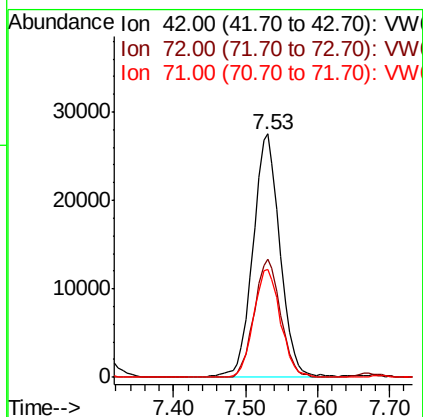
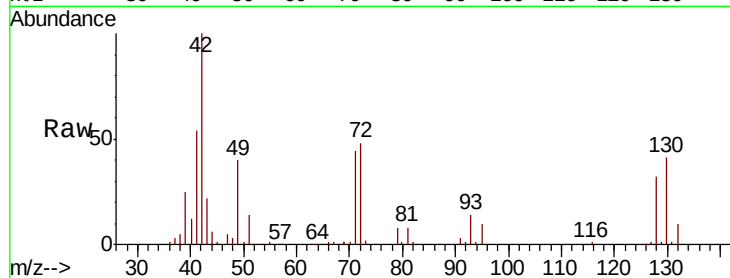




#29
Tetrahydrofuran
Concen: 230.756 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

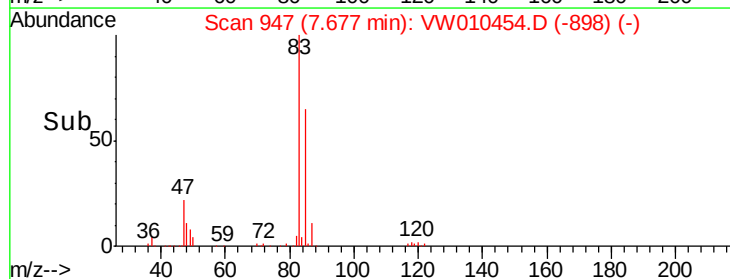
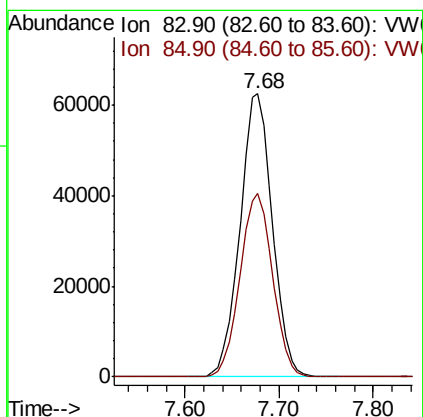
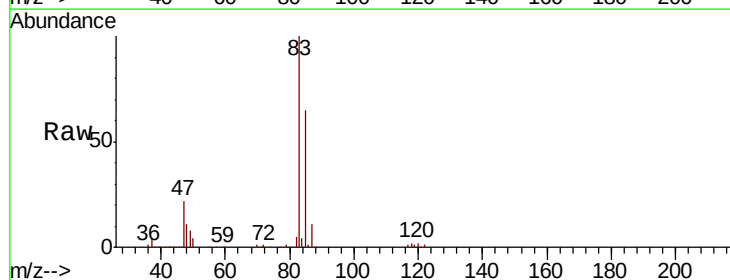
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

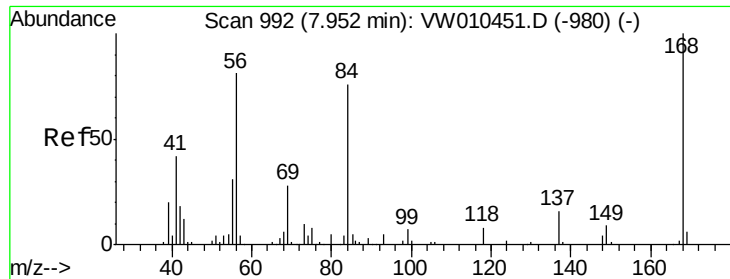
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	38.5	57.7
71	44.3	36.5	54.7



#30
Chloroform
Concen: 48.730 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4

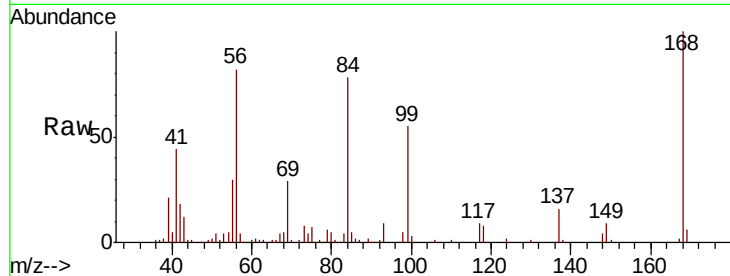




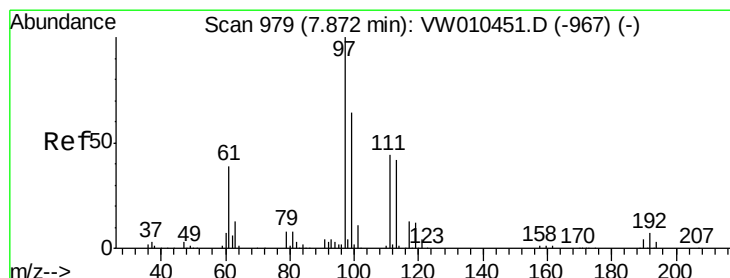
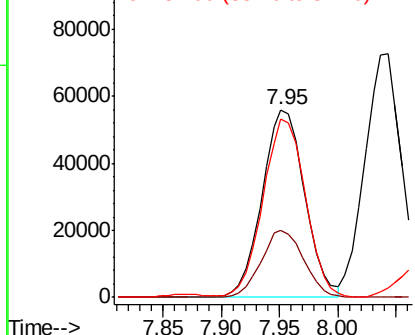
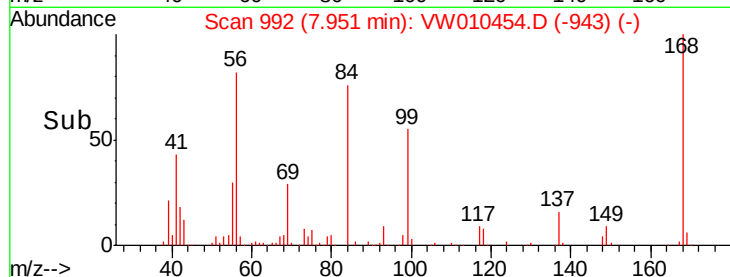
#31
Cyclohexane
Concen: 47.411 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion: 56 Resp: 141762
Ion Ratio Lower Upper
56 100
69 35.3 28.2 42.2
84 93.3 75.8 113.8

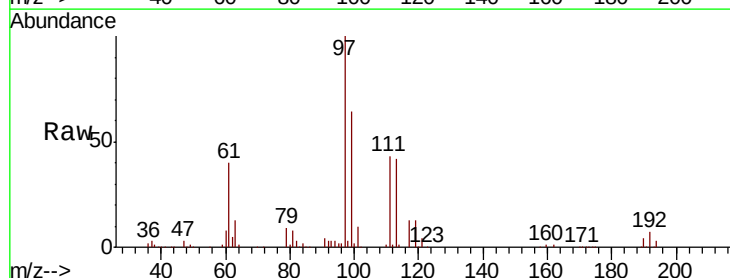


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

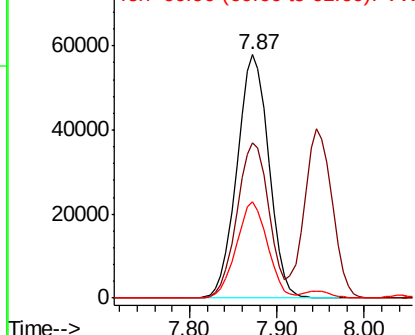
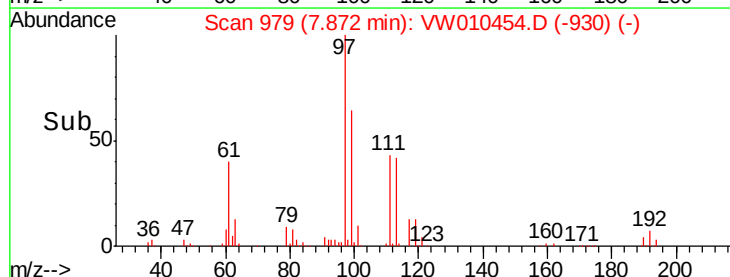


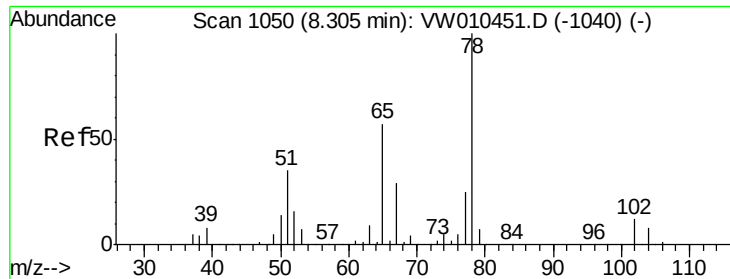
#32
1,1,1-Trichloroethane
Concen: 49.592 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 97 Resp: 145942
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 39.0 32.1 48.1



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: 47.629 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

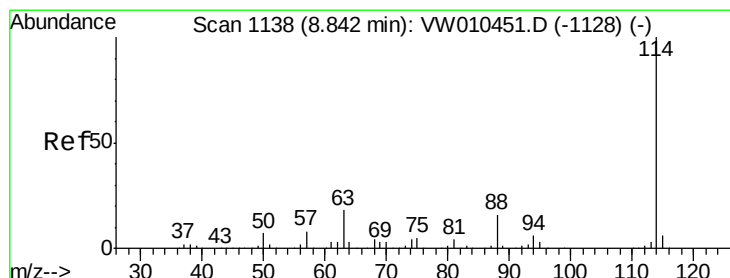
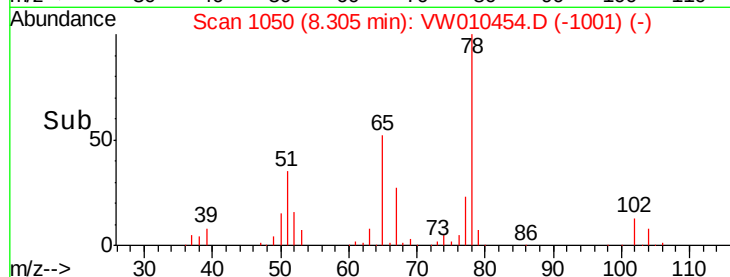
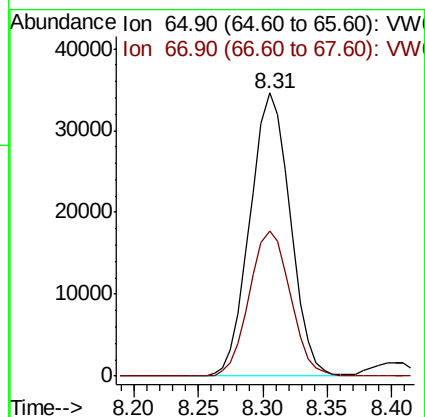
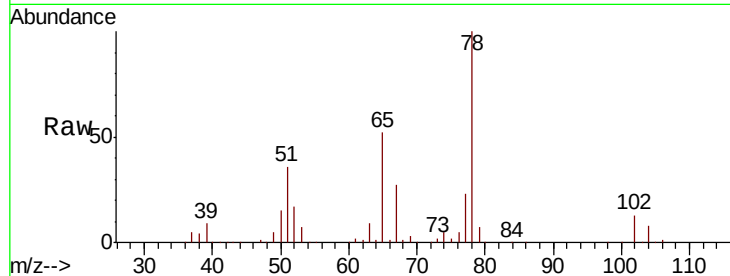
ICVW052019

Tot Ion: 65 Resp: 75010

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

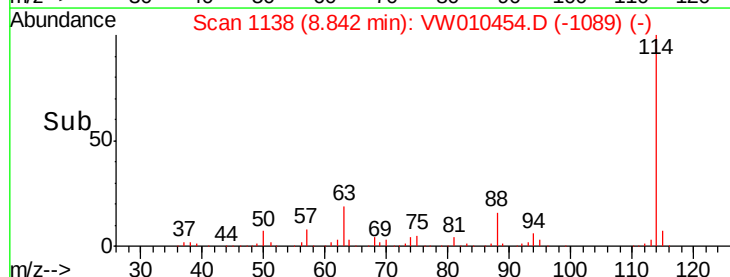
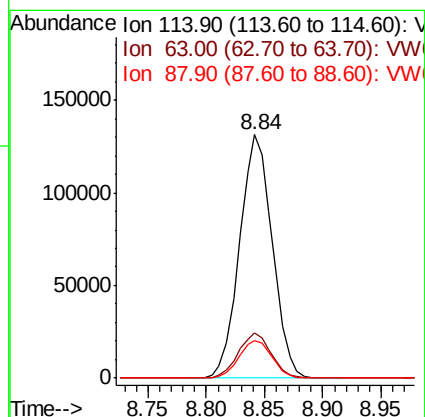
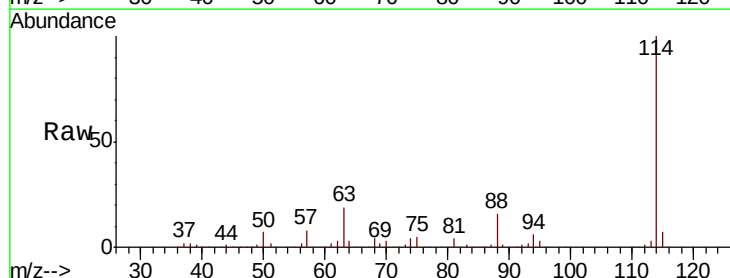
Tgt Ion: 114 Resp: 257291

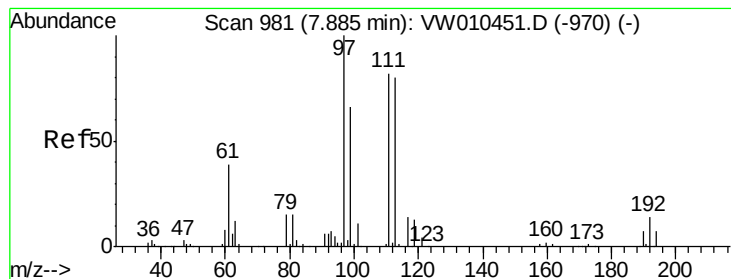
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.586 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

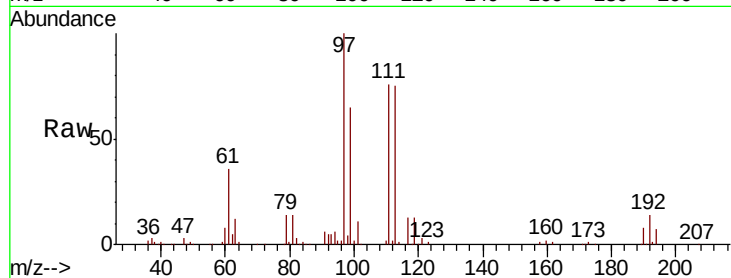
Tot Ion:113 Resp: 78975

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

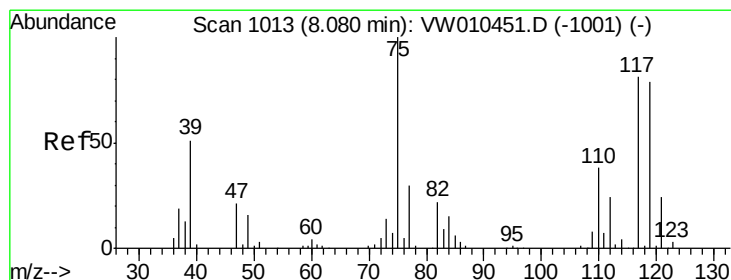
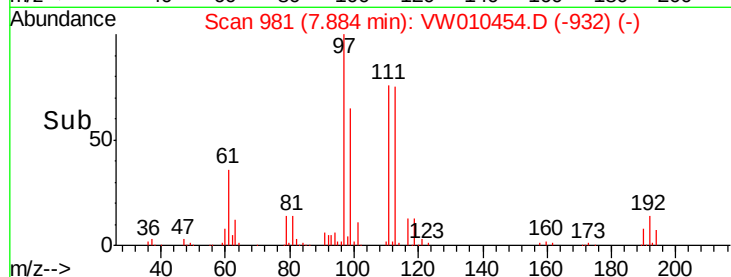
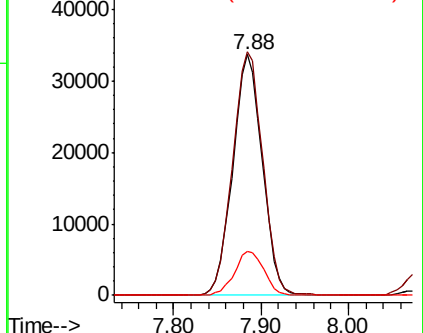
192 18.2 14.3 21.5



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: 49.680 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

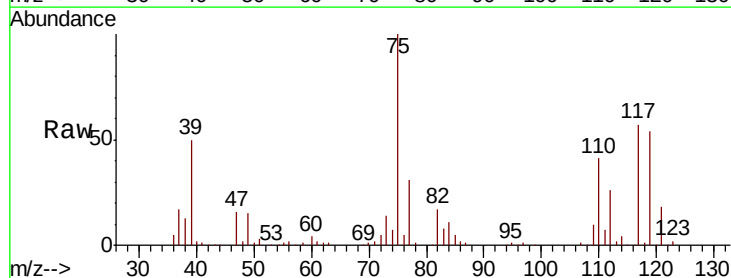
Tgt Ion: 75 Resp: 119072

Ion Ratio Lower Upper

75 100

110 39.7 19.2 57.6

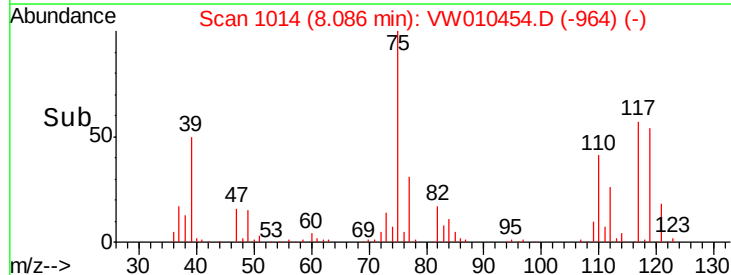
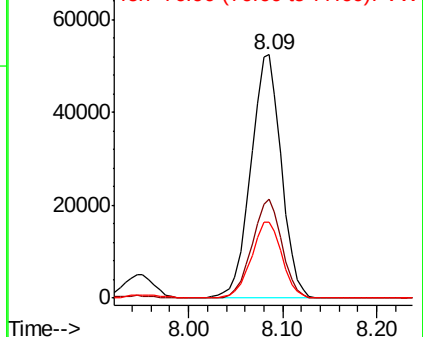
77 31.7 25.2 37.8

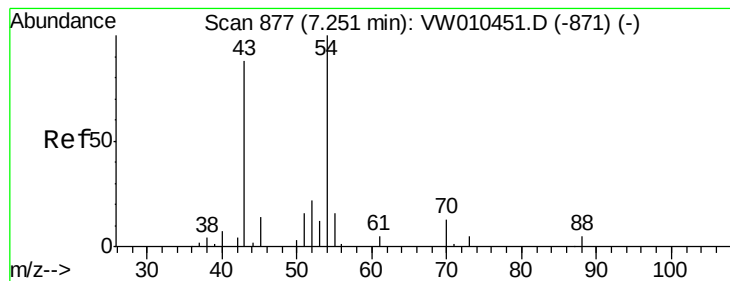


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 47.850 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

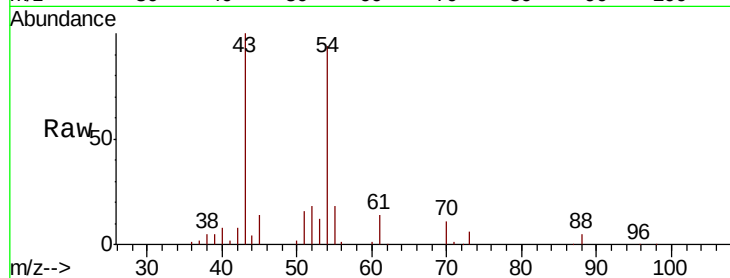
Tot Ion: 43 Resp: 48770

Ion Ratio Lower Upper

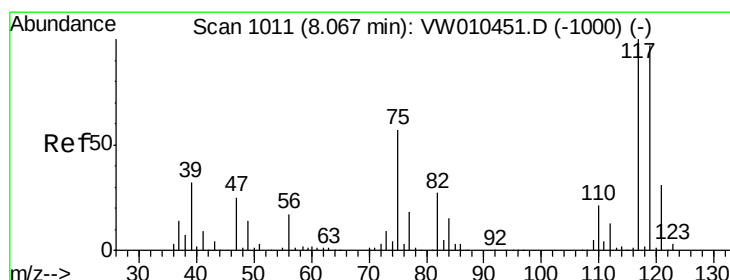
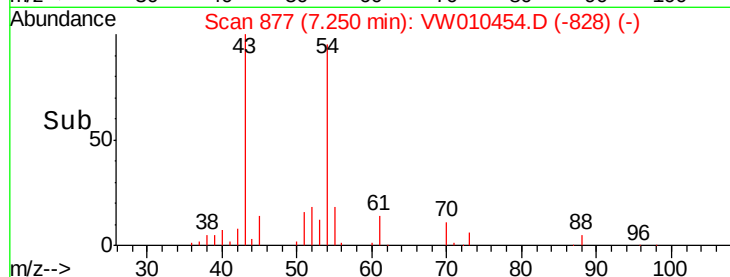
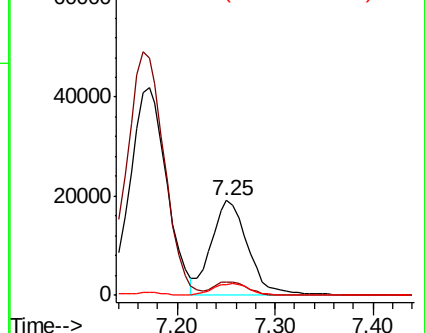
43 100

61 14.0 11.2 16.8

70 12.6 9.9 14.9



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: 50.729 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

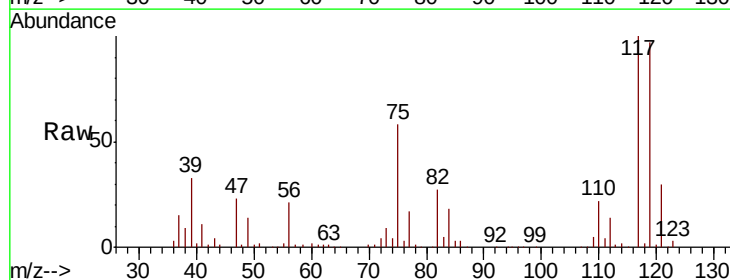
Tgt Ion: 117 Resp: 131162

Ion Ratio Lower Upper

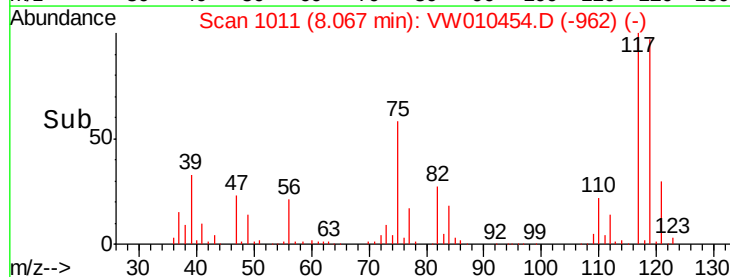
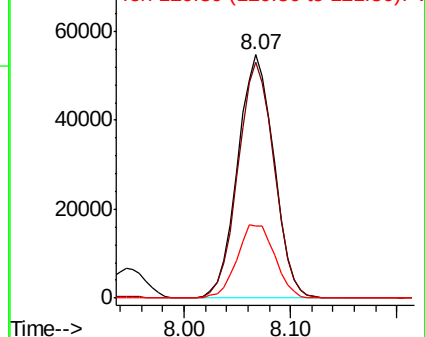
117 100

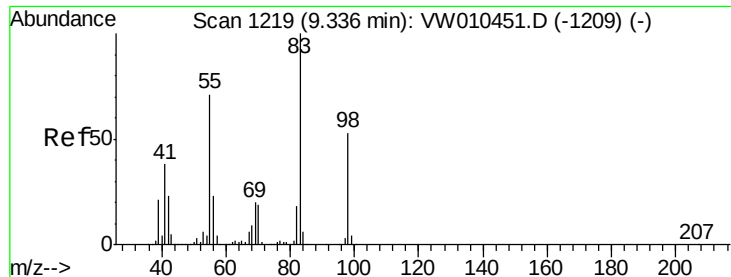
119 96.8 77.4 116.0

121 29.9 25.0 37.6



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

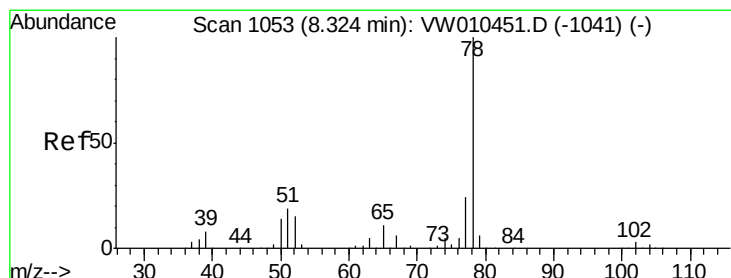
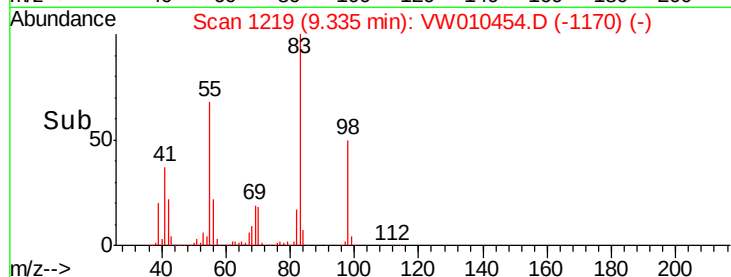
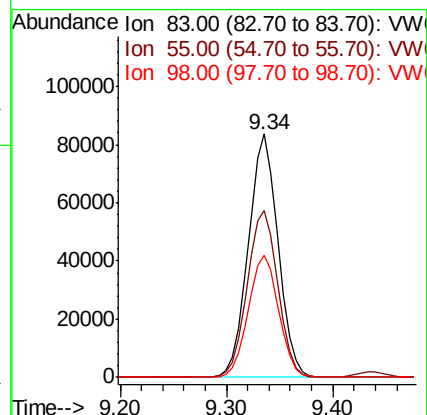
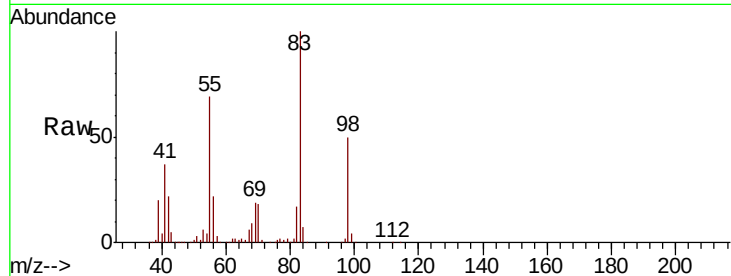




#39
Methylvlcyclohexane
Concen: 51.178 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

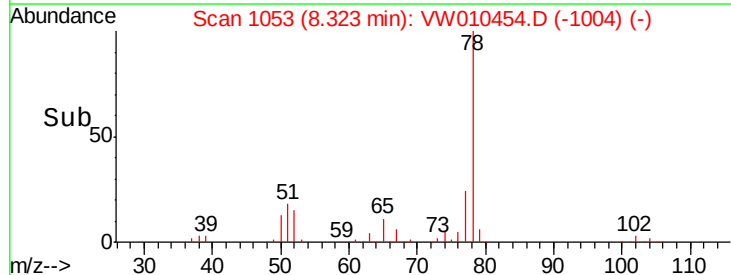
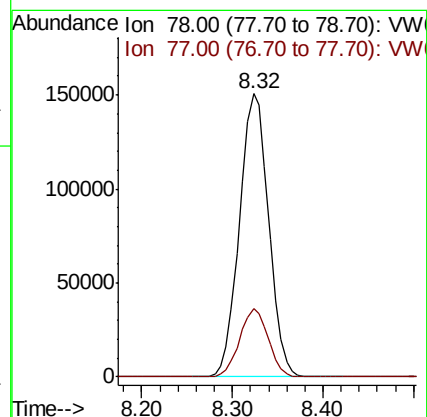
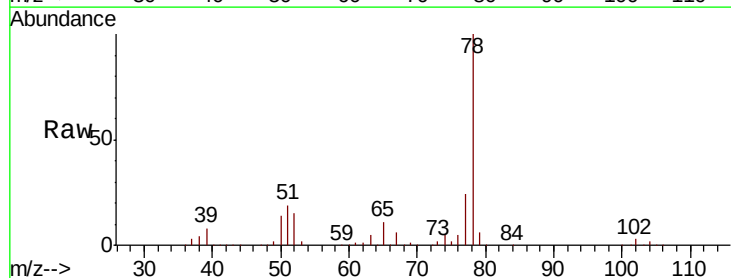
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

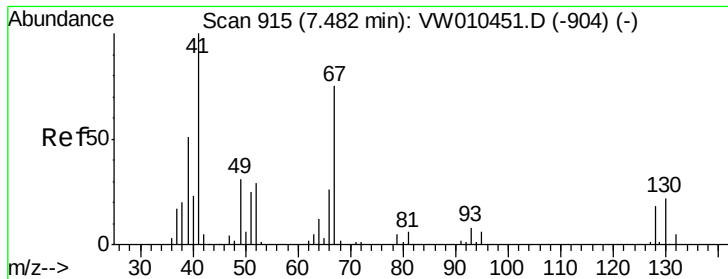
Tot Ion: 83 Resp: 164338
Ion Ratio Lower Upper
83 100
55 68.6 57.0 85.6
98 50.1 42.0 63.0



#40
Benzene
Concen: 50.476 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 78 Resp: 336262
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3





#41

Methacrylonitrile

Concen: 46.442 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 41 Resp: 28125

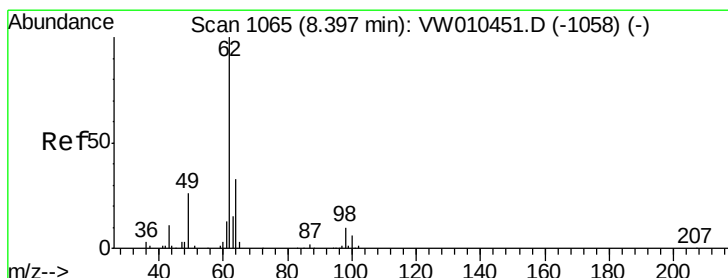
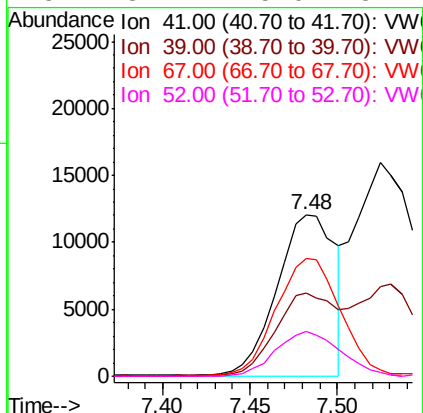
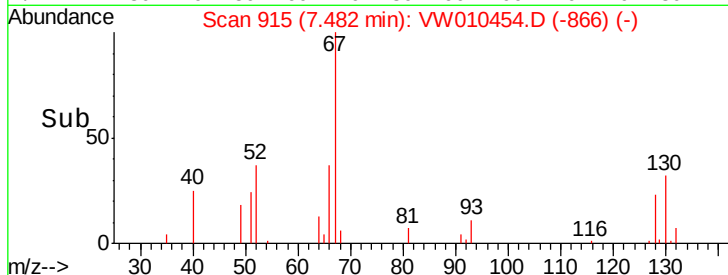
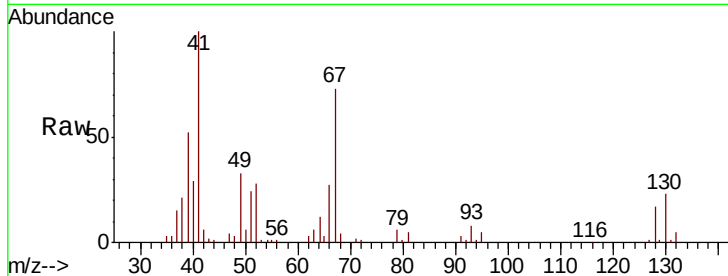
Ion Ratio Lower Upper

41 100

39 52.8 47.4 71.2

67 81.3 65.5 98.3

52 31.2 25.0 37.4



#42

1,2-Dichloroethane

Concen: 49.332 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010454.D

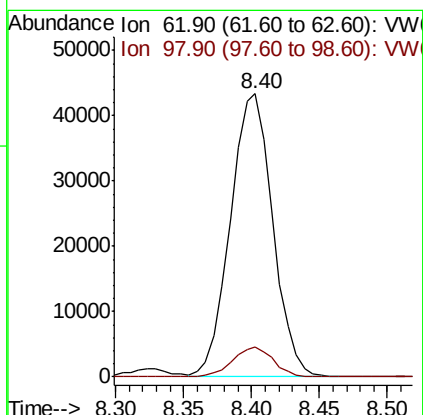
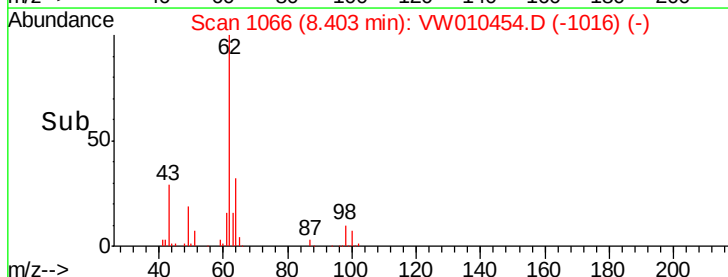
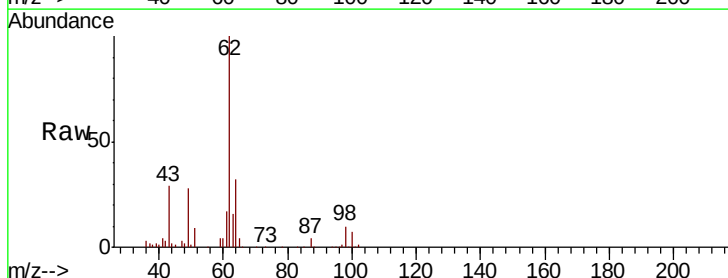
Acq: 20 May 2019 17:48

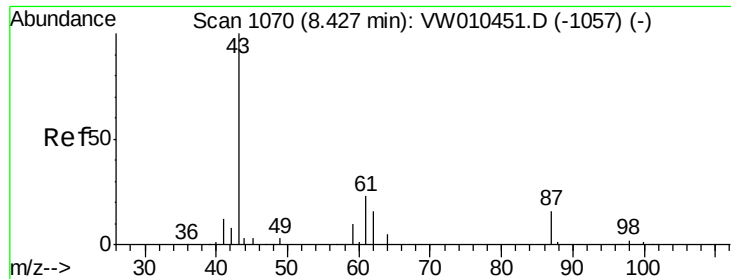
Tgt Ion: 62 Resp: 93928

Ion Ratio Lower Upper

62 100

98 10.2 0.0 21.0





#43

Isopropyl Acetate

Concen: 48.266 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

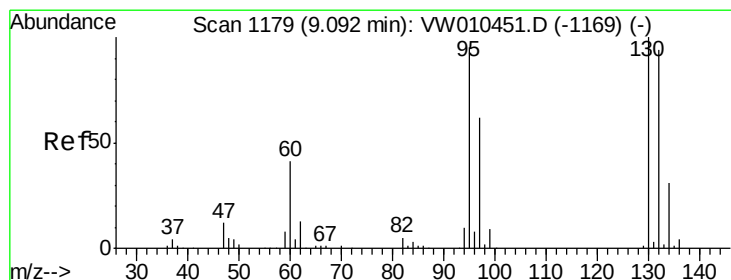
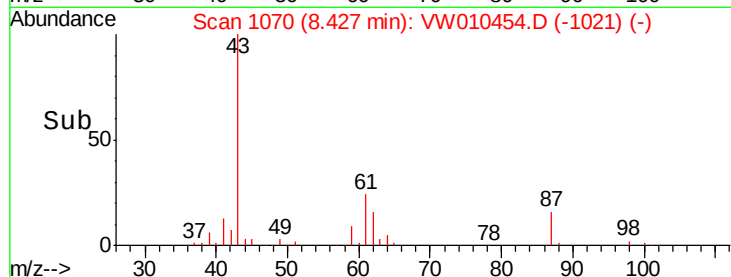
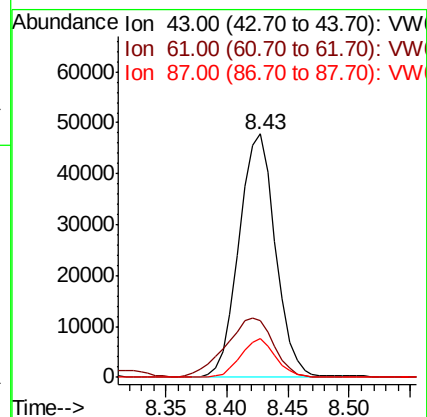
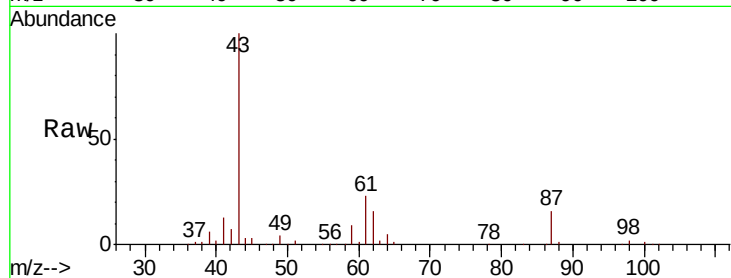
Tot Ion: 43 Resp: 98279

Ion Ratio Lower Upper

43 100

61 32.3 25.4 38.2

87 15.3 12.7 19.1



#44

Trichloroethene

Concen: 51.181 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010454.D

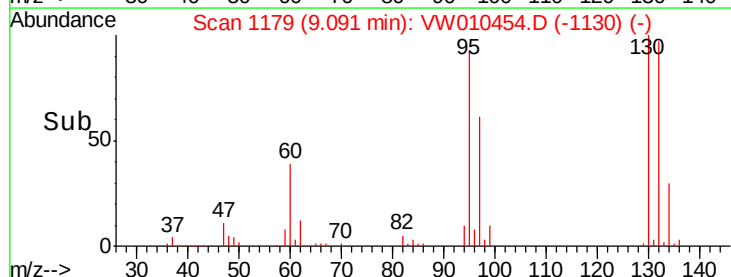
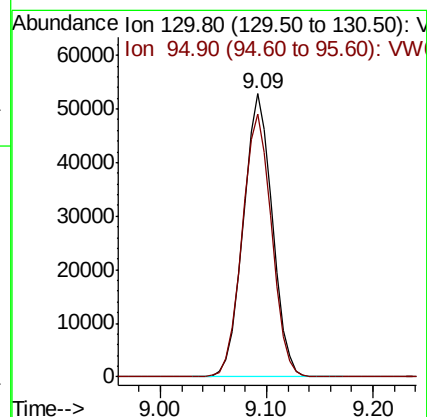
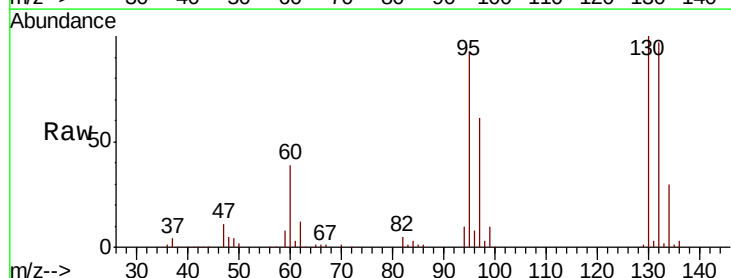
Acq: 20 May 2019 17:48

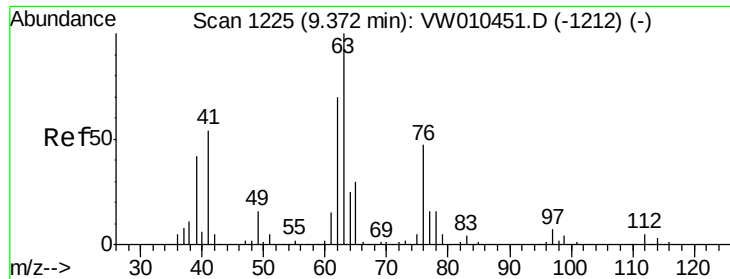
Tgt Ion: 130 Resp: 101223

Ion Ratio Lower Upper

130 100

95 93.0 0.0 189.6

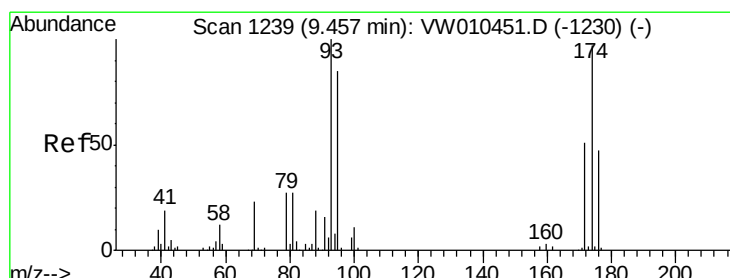
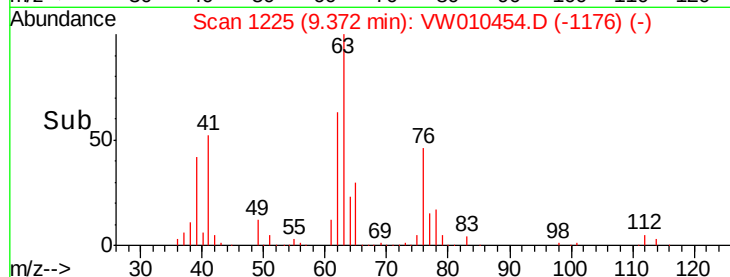
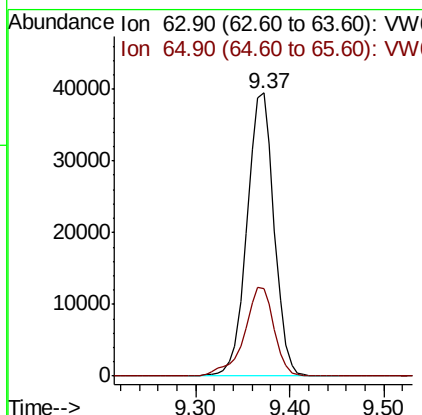
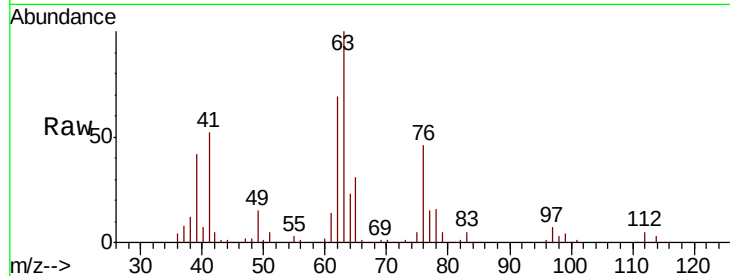




#45
 1,2-Dichloropropane
 Concen: 50.455 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

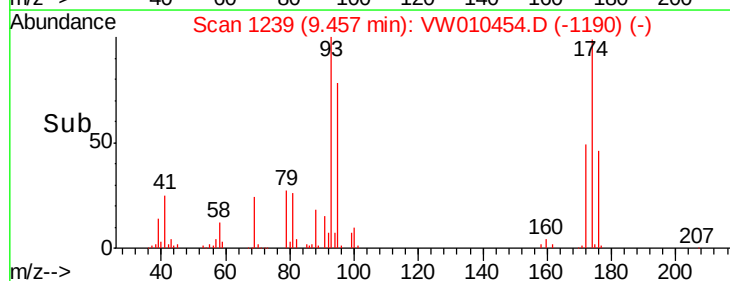
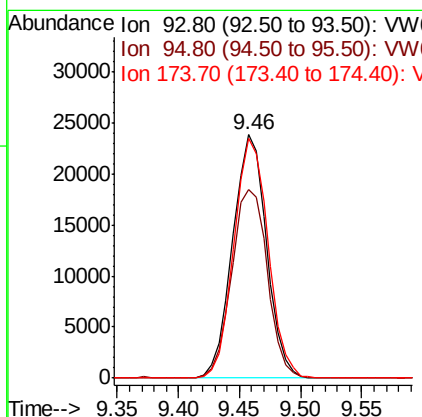
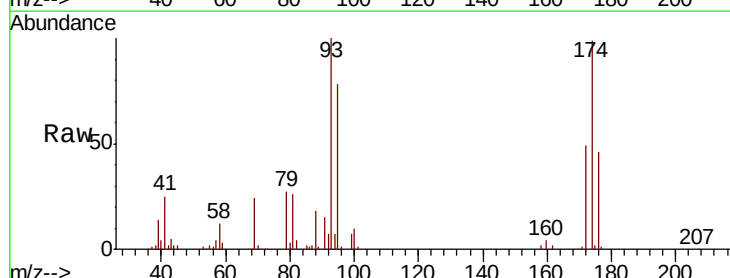
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

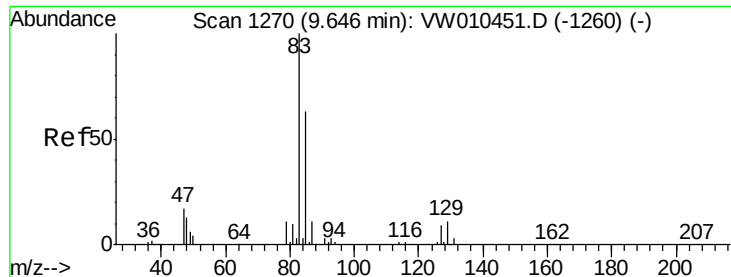
Tot Ion: 63 Resp: 79827
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.3 36.5



#46
 Dibromomethane
 Concen: 49.424 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 93 Resp: 45731
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.1 99.1
 174 99.3 77.1 115.7

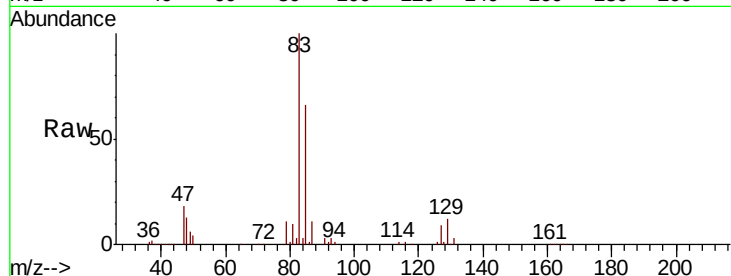




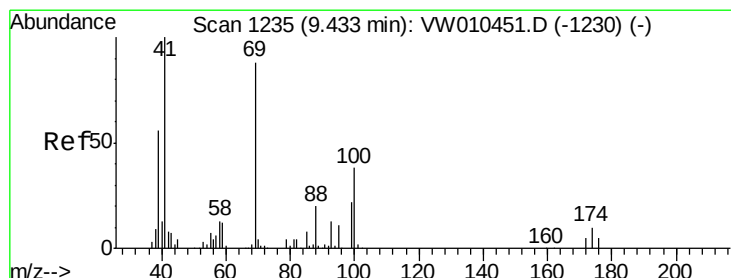
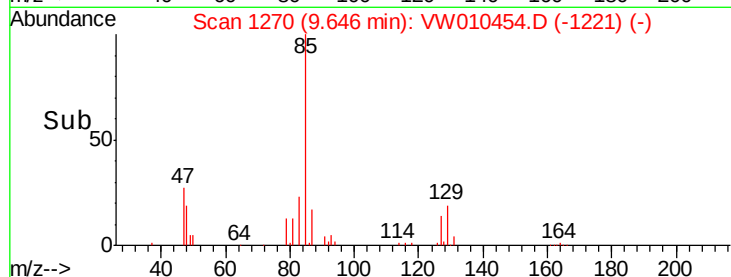
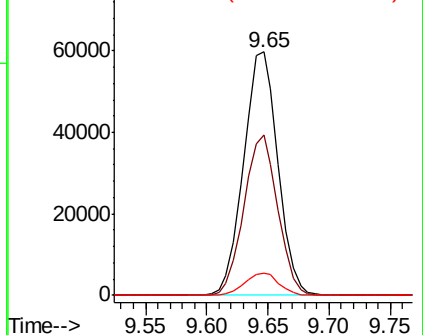
#47
 Bromodichloromethane
 Concen: 49.869 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	83	Resp	115956
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.4	75.6
127	9.3	7.4	11.0

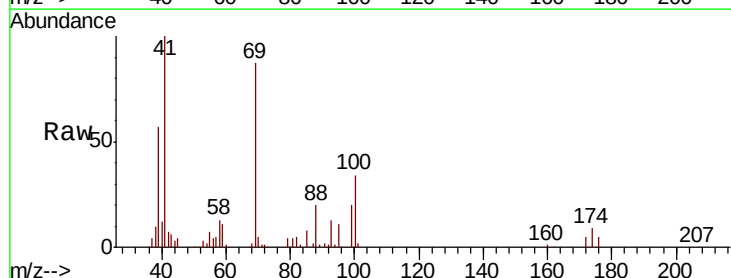


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): V

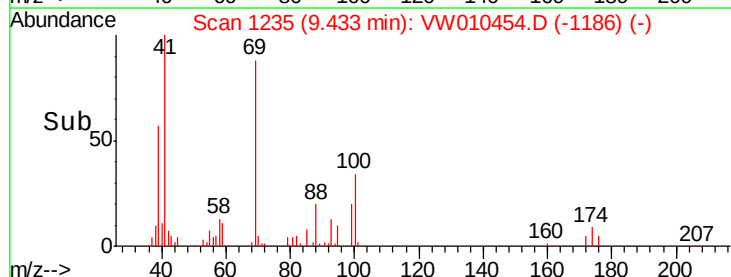
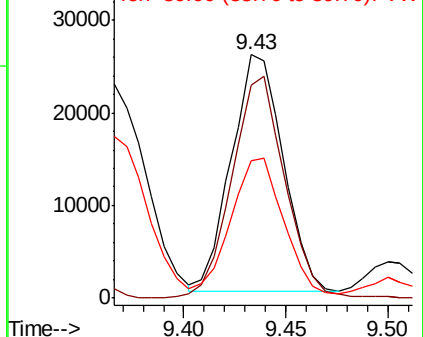


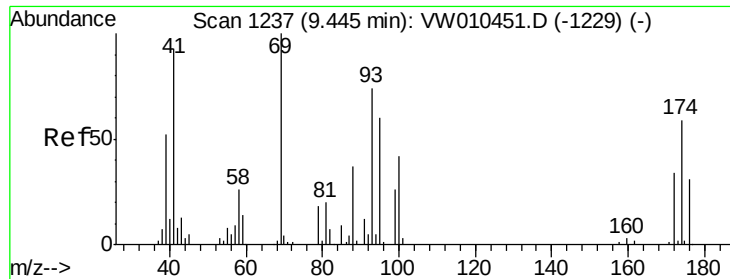
#48
 Methyl methacrylate
 Concen: 48.400 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	41	Resp	45086
Ion Ratio	Lower	Upper	
41	100		
69	96.3	77.6	116.4
39	61.5	49.8	74.8



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

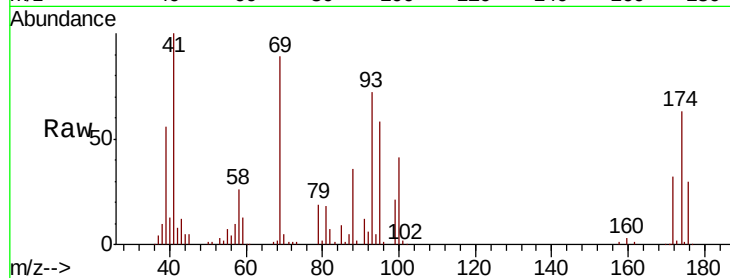




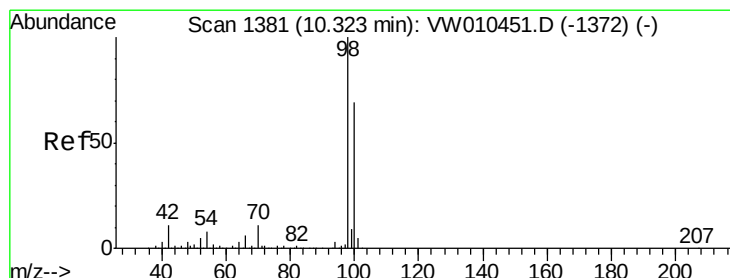
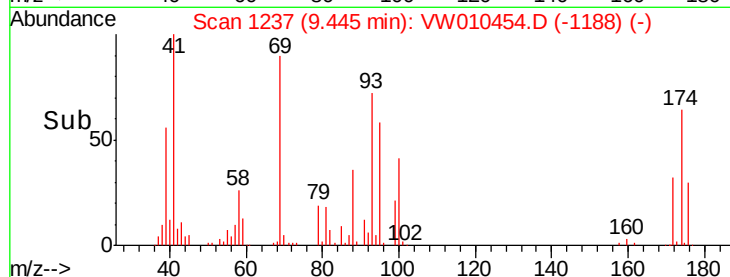
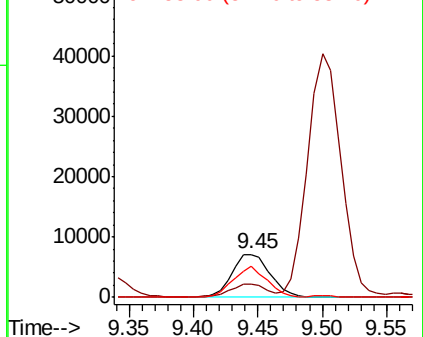
#49
1,4-Dioxane
Concen: 968.907 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion: 88 Resp: 14645
Ion Ratio Lower Upper
88 100
43 27.3 25.9 38.9
58 65.5 52.7 79.1

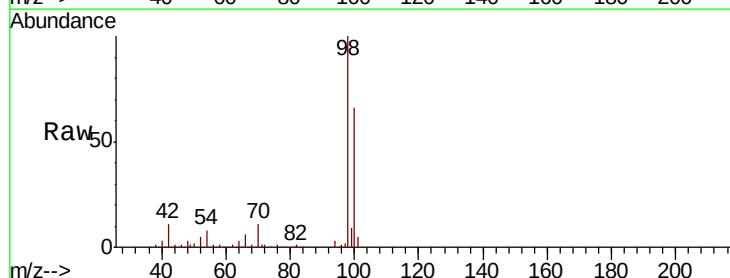


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

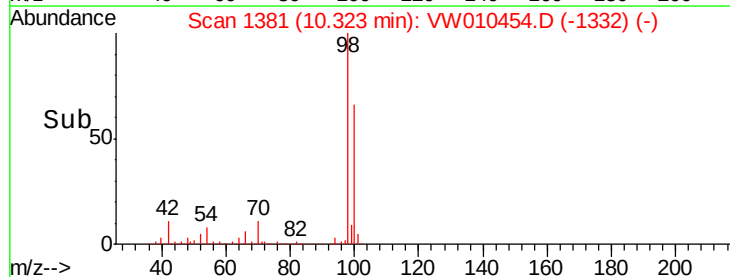
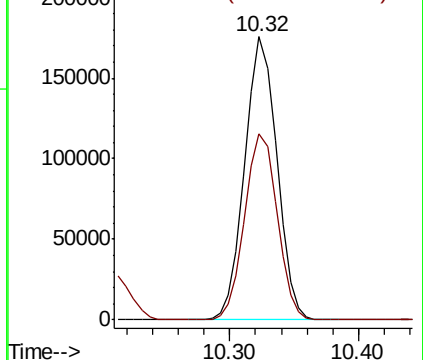


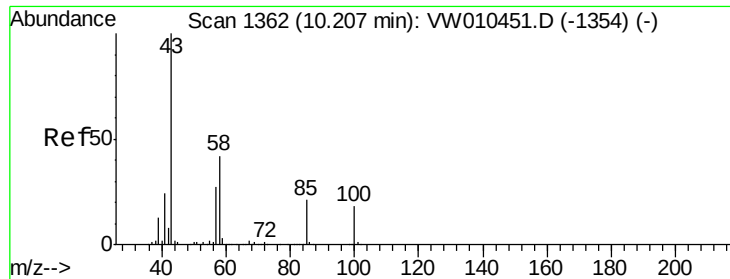
#50
Toluene-d8
Concen: 50.945 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 98 Resp: 303842
Ion Ratio Lower Upper
98 100
100 66.5 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

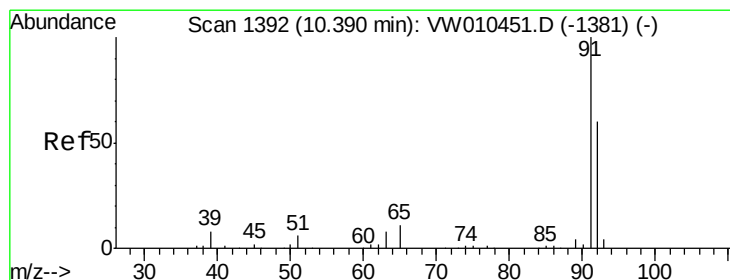
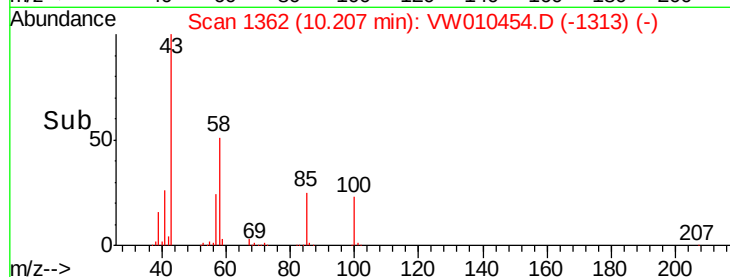
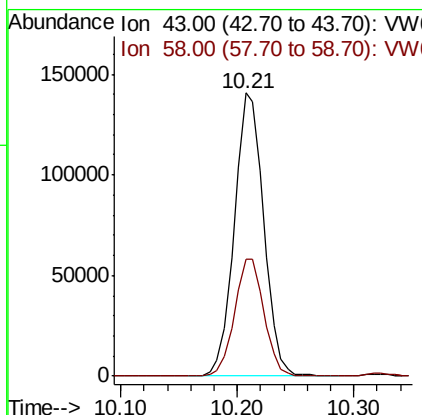
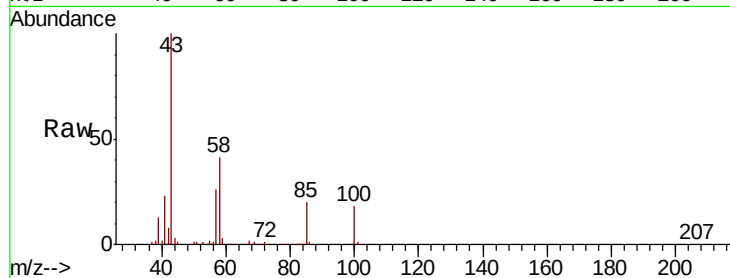




#51
4-Methyl-2-Pentanone
Concen: 238.889 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

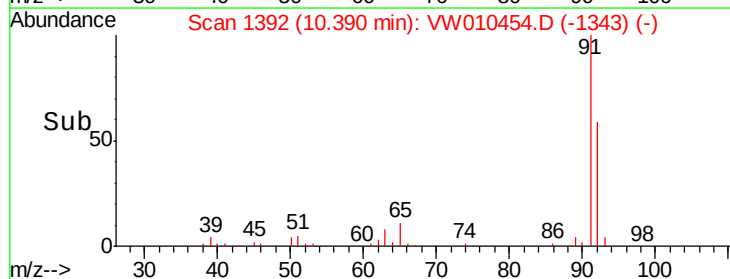
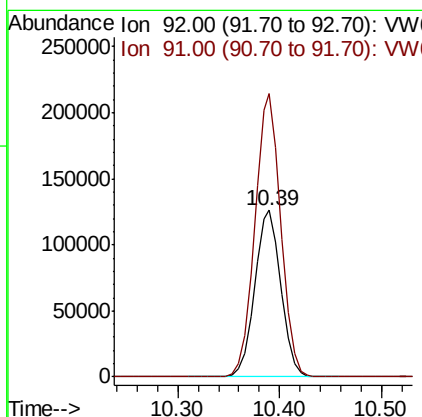
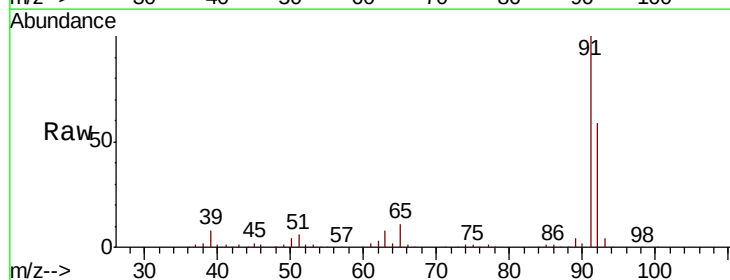
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

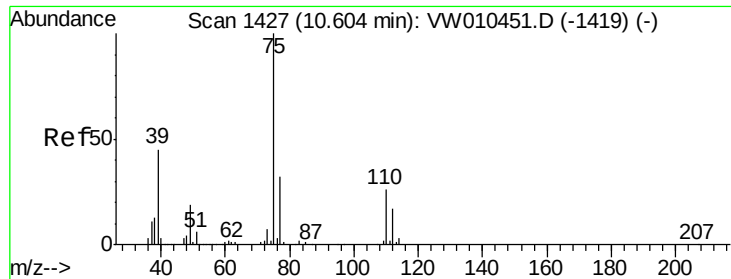
Tot Ion: 43 Resp: 246483
Ion Ratio Lower Upper
43 100
58 41.5 33.2 49.8



#52
Toluene
Concen: 50.174 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 92 Resp: 224471
Ion Ratio Lower Upper
92 100
91 168.6 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 49.854 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

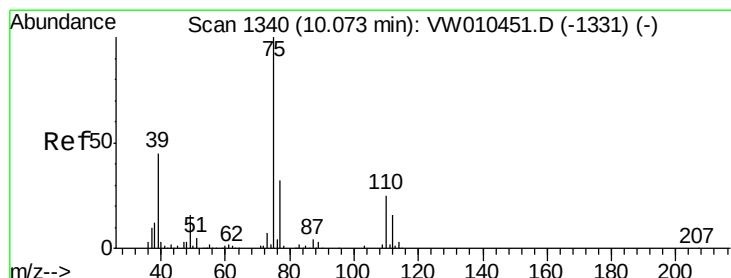
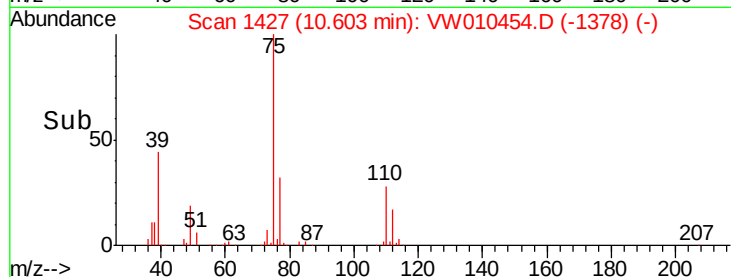
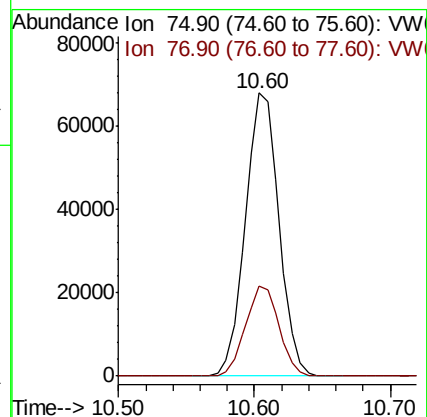
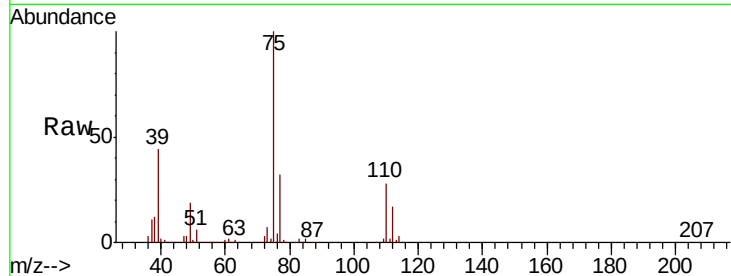
ICVW052019

Tot Ion: 75 Resp: 117401

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 50.939 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

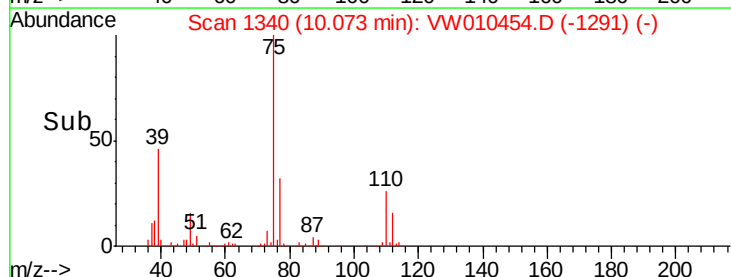
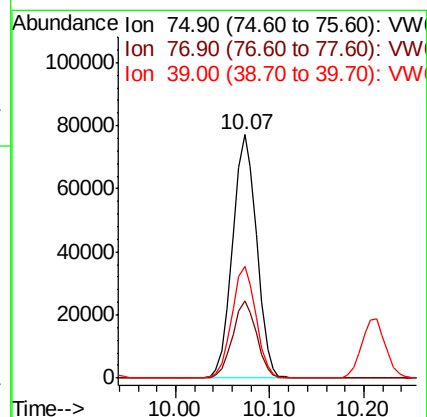
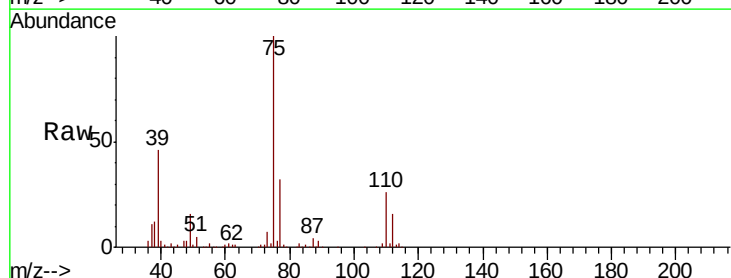
Tgt Ion: 75 Resp: 136998

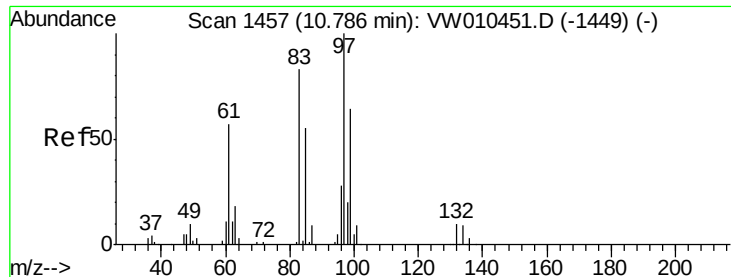
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 45.9 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 50.275 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

Tot Ion: 97 Resp: 66894

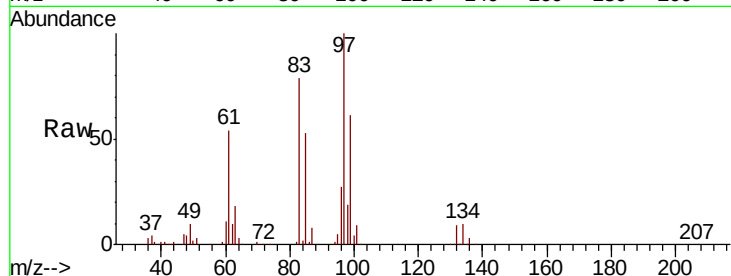
Ion Ratio Lower Upper

97 100

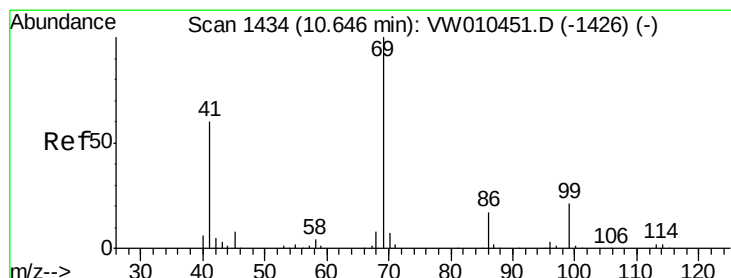
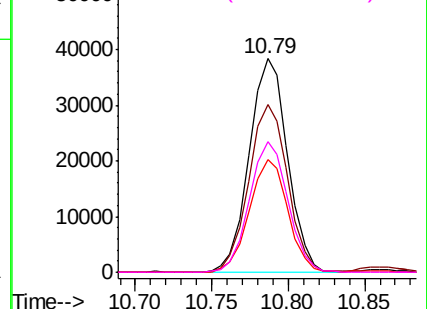
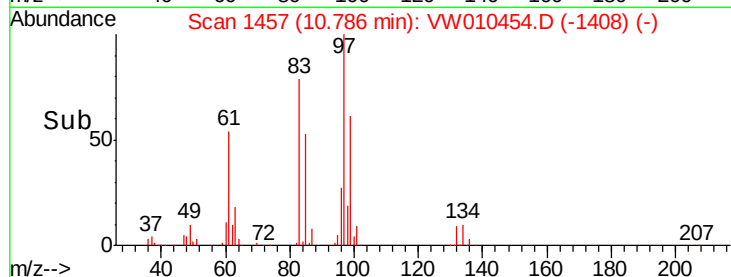
83 78.5 66.1 99.1

85 52.6 44.2 66.4

99 61.1 51.1 76.7



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: 47.891 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

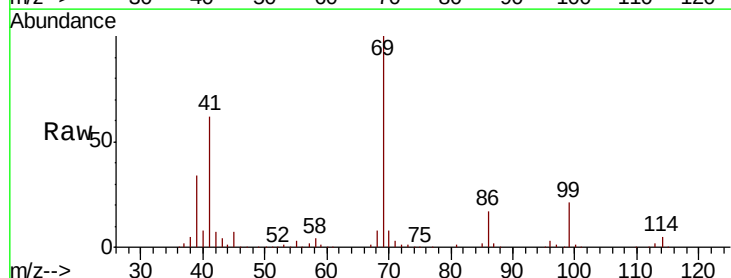
Tgt Ion: 69 Resp: 87883

Ion Ratio Lower Upper

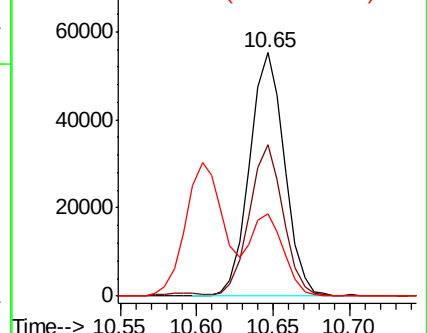
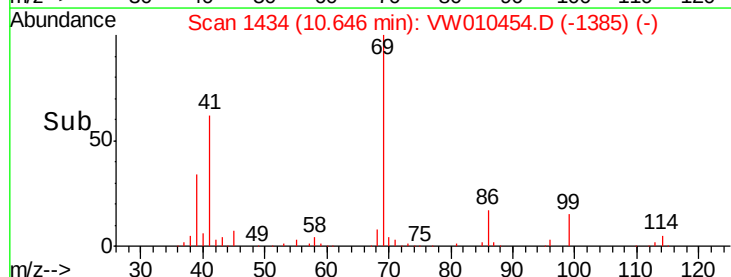
69 100

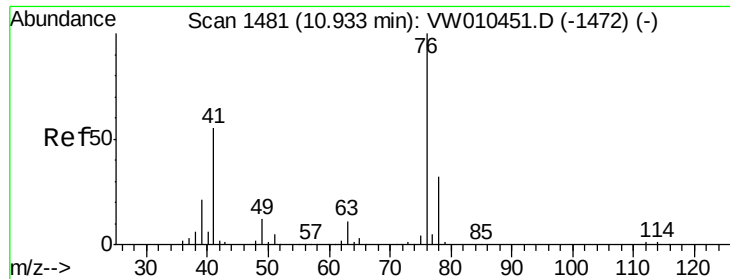
41 60.3 47.7 71.5

39 32.1 25.3 37.9



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

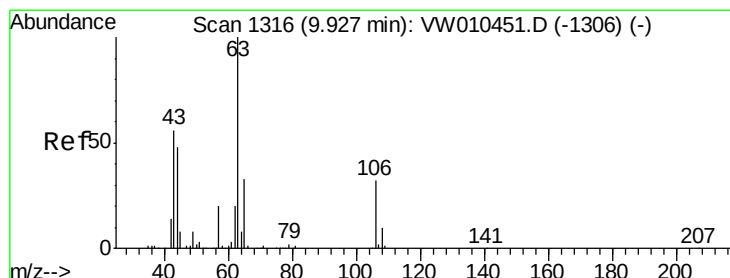
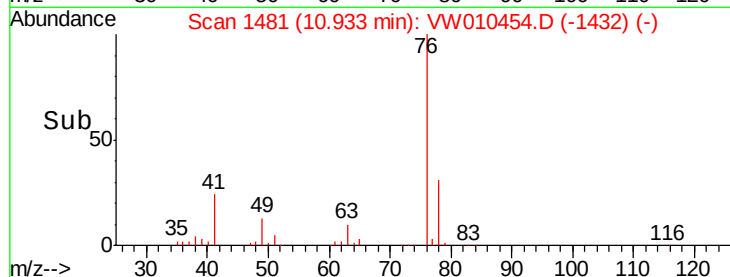
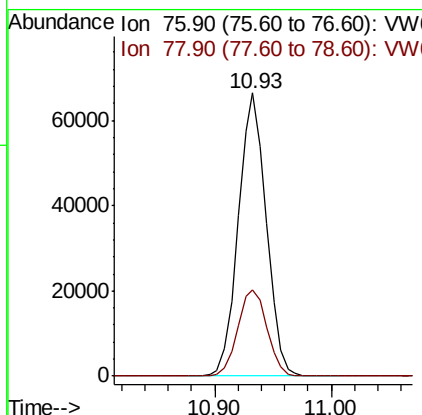
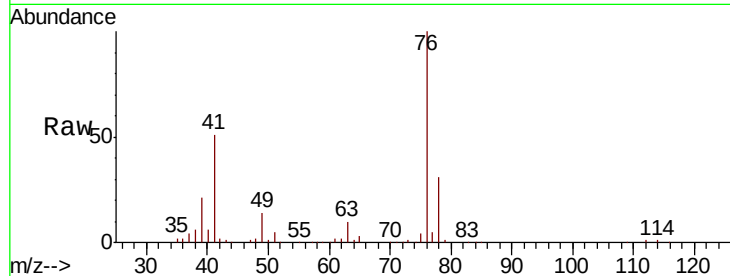




#57
 1,3-Dichloropropane
 Concen: 49.795 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

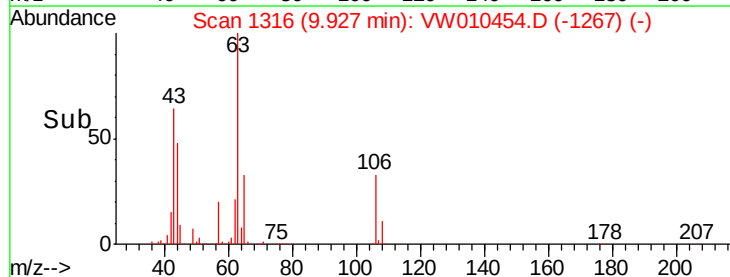
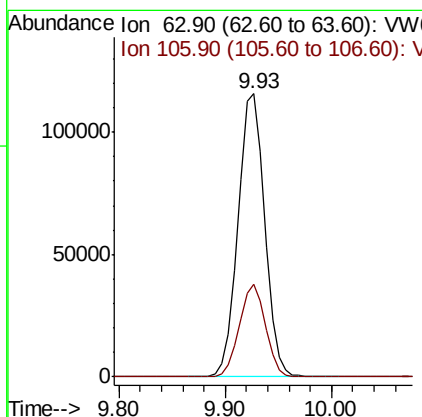
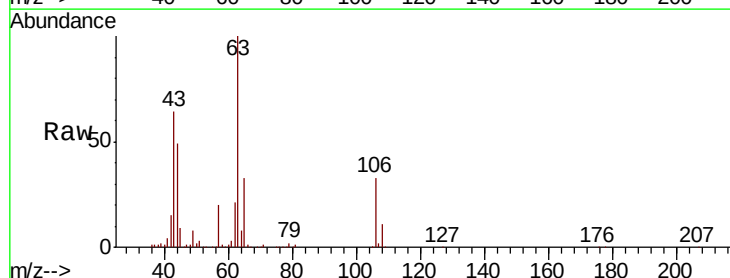
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

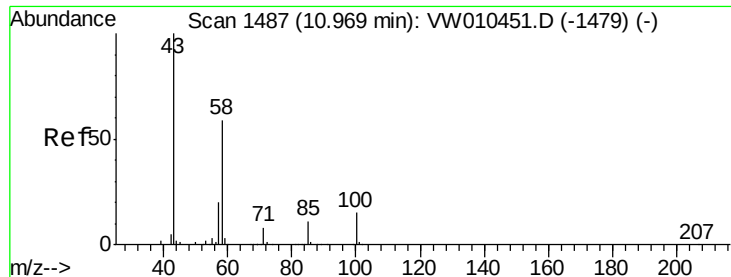
Tot Ion: 76 Resp: 110981
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.905 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 63 Resp: 203936
 Ion Ratio Lower Upper
 63 100
 106 32.1 25.8 38.6

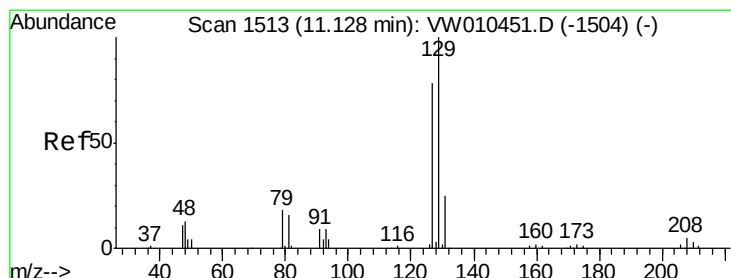
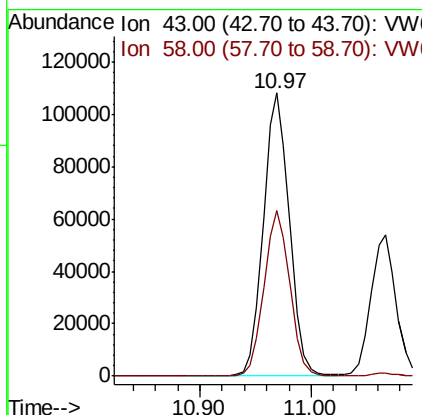
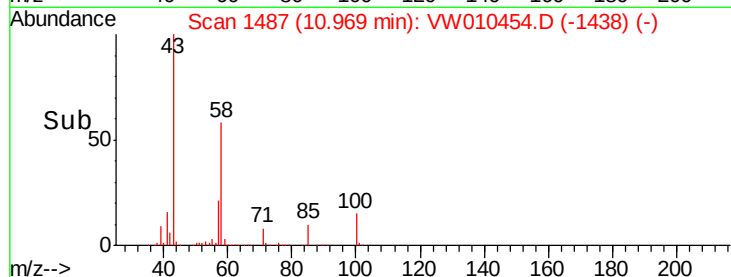
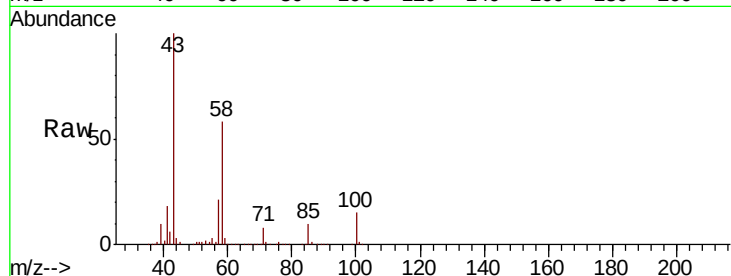




#59
2-Hexanone
Concen: 238.901 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

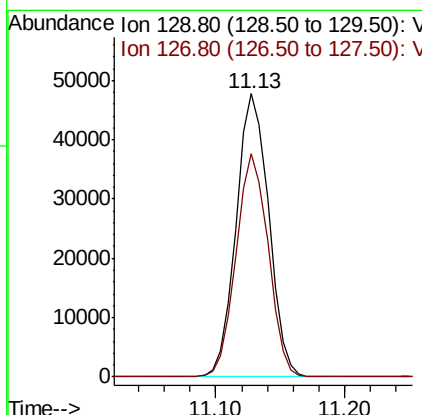
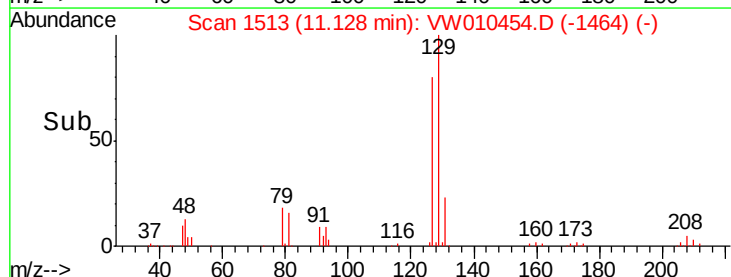
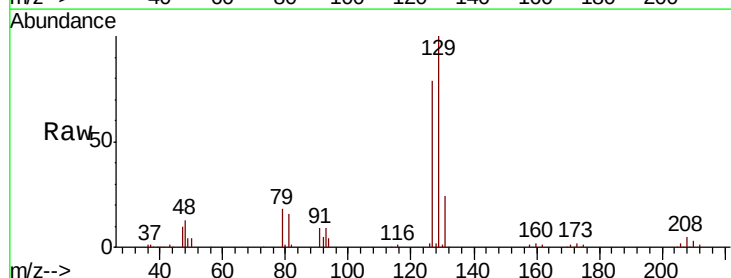
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

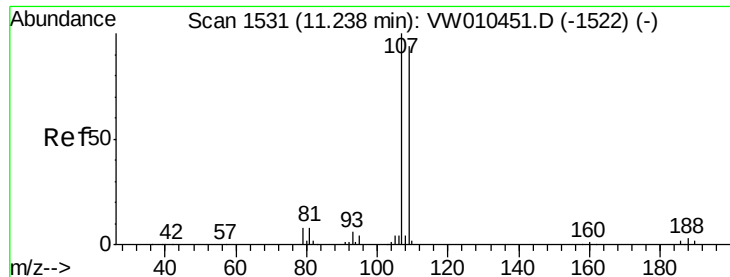
Tot Ion: 43 Resp: 175837
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8



#60
Dibromochloromethane
Concen: 49.639 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 129 Resp: 83590
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7

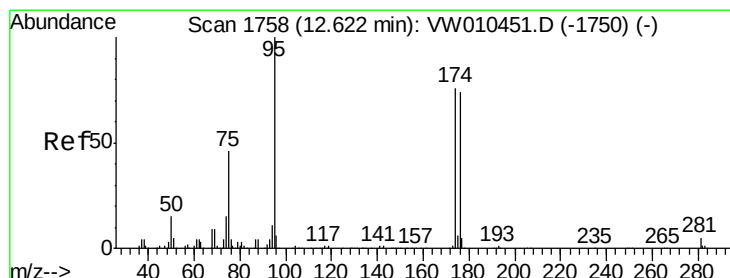
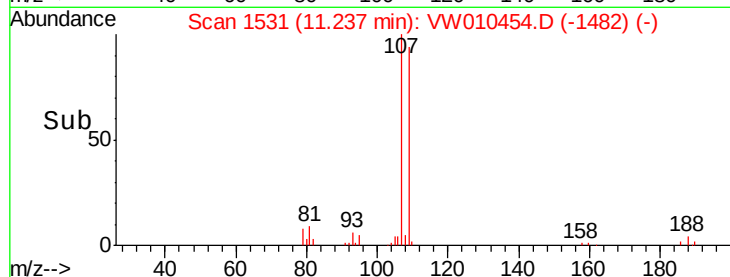
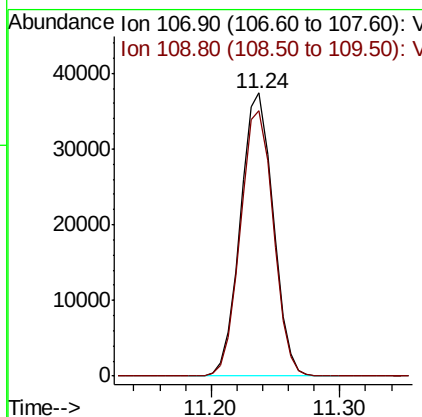
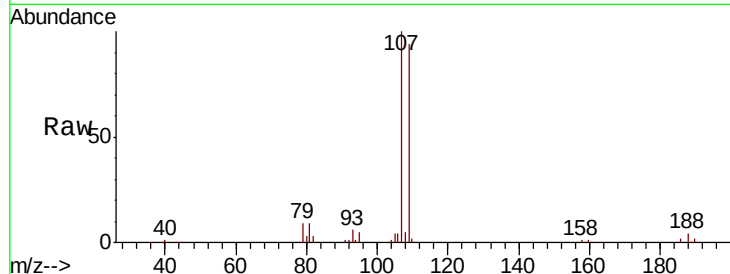




#61
 1,2-Dibromoethane
 Concen: 48.872 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

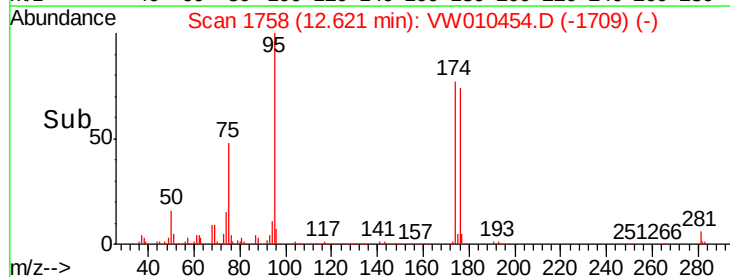
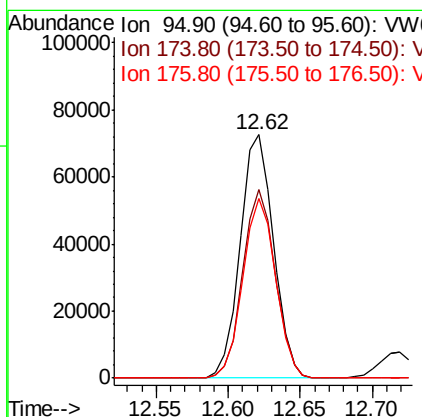
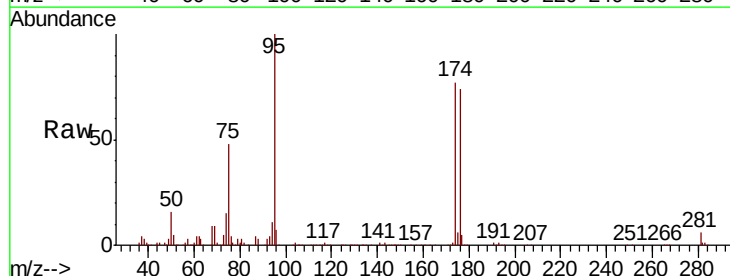
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

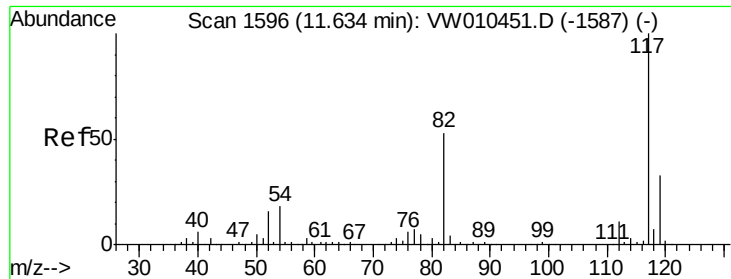
Tot Ion: 107 Resp: 65872
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 48.918 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 95 Resp: 116210
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 148.6
 176 72.7 0.0 144.2

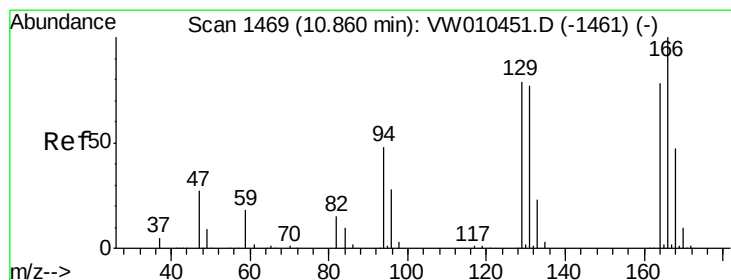
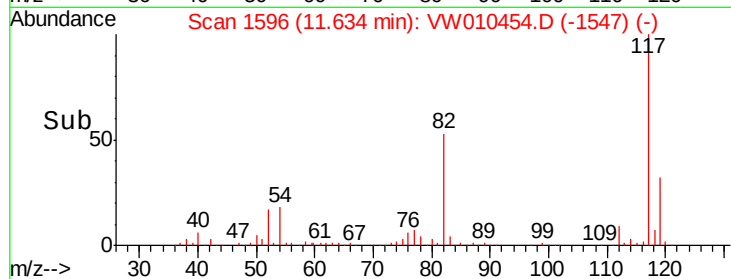
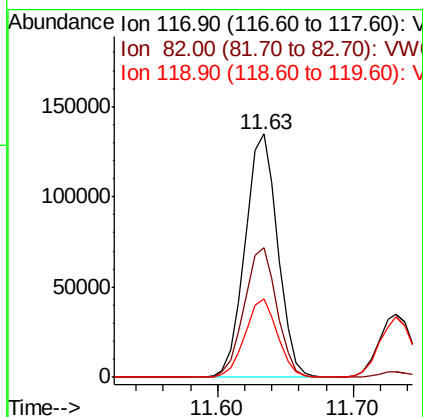
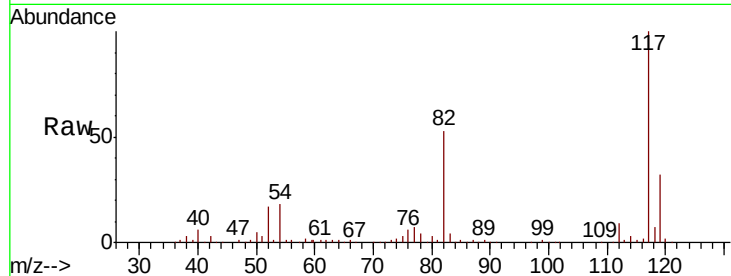




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

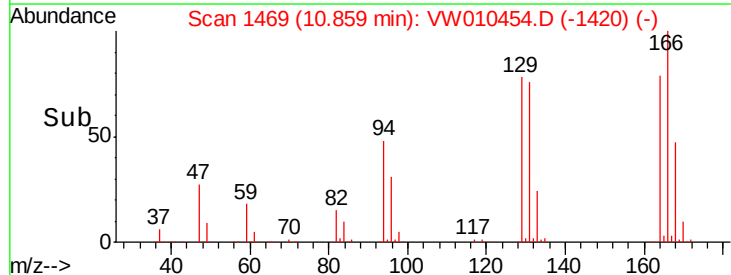
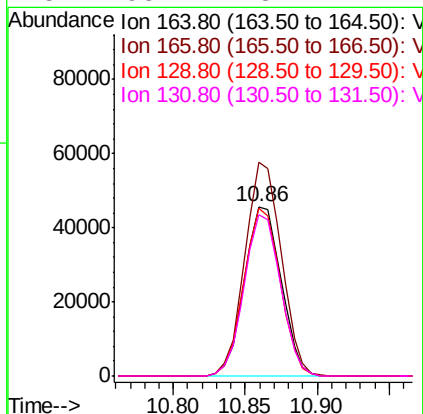
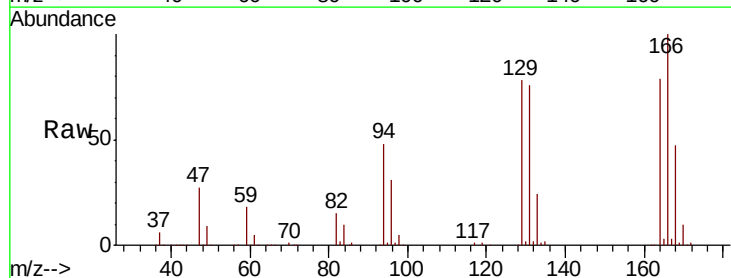
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

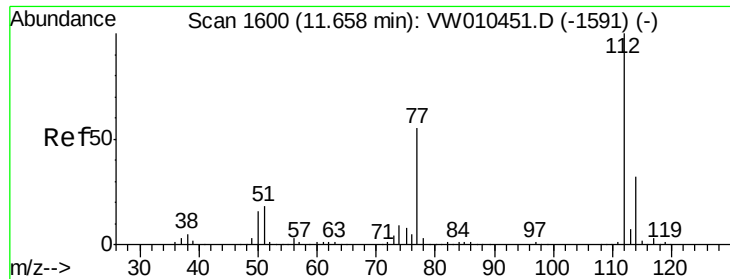
Tot Ion:117 Resp: 226002
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.0 26.3 39.5



#64
Tetrachloroethene
Concen: 51.201 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion:164 Resp: 80665
Ion Ratio Lower Upper
164 100
166 126.0 101.9 152.9
129 98.9 80.6 121.0
131 95.2 78.2 117.2

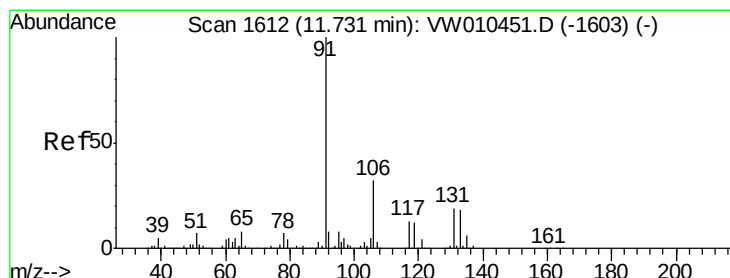
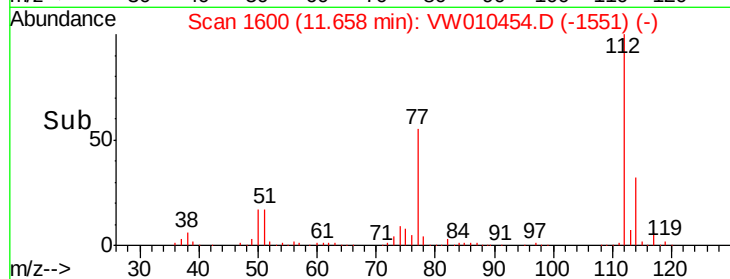
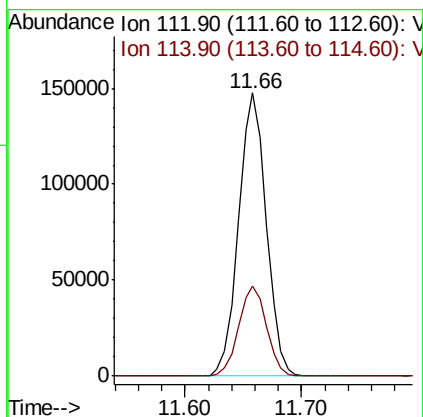
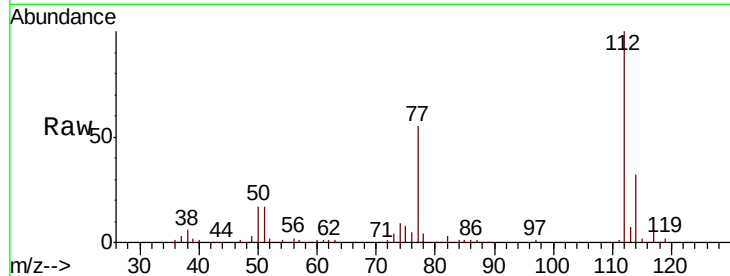




#65
Chlorobenzene
Concen: 50.658 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

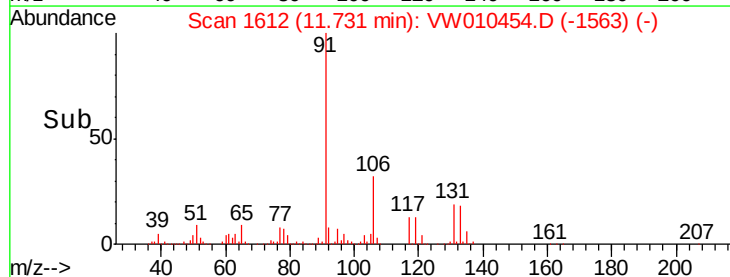
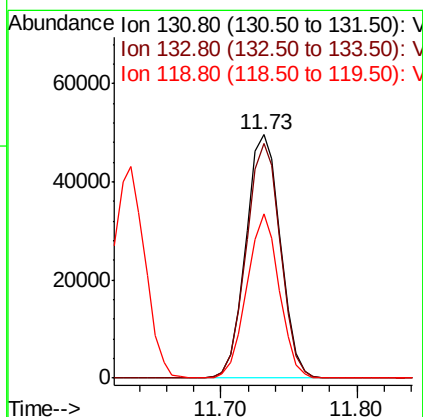
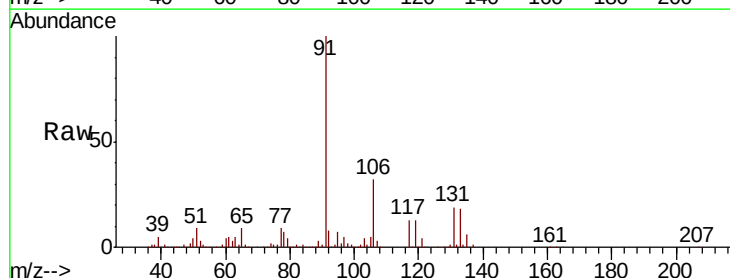
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

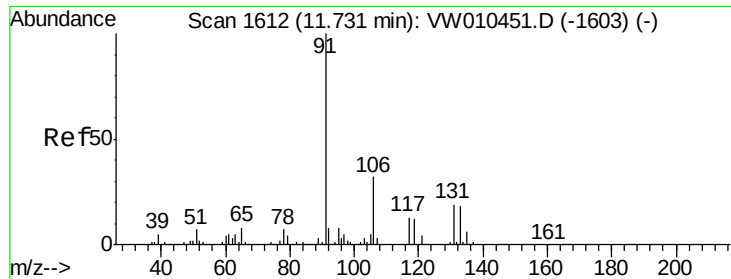
Tot Ion:112 Resp: 243999
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.036 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion:131 Resp: 88059
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 63.6 32.1 96.5

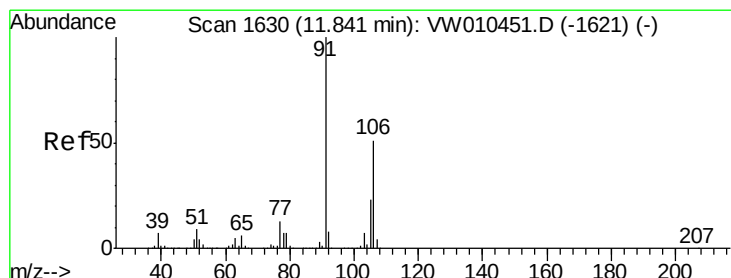
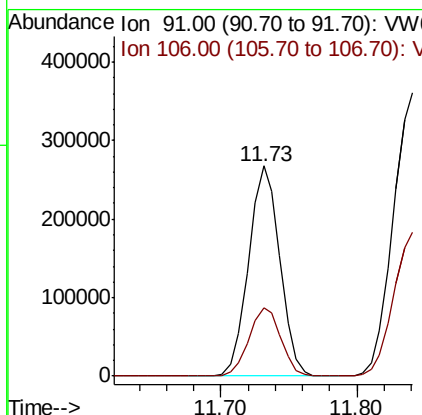
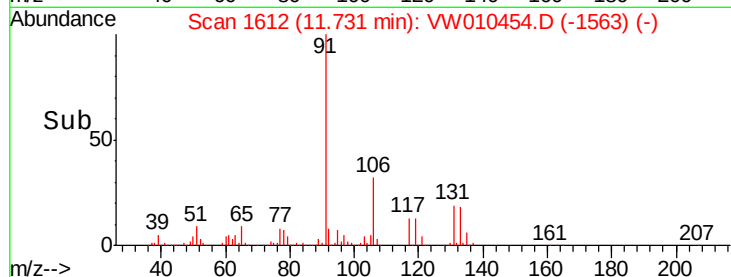
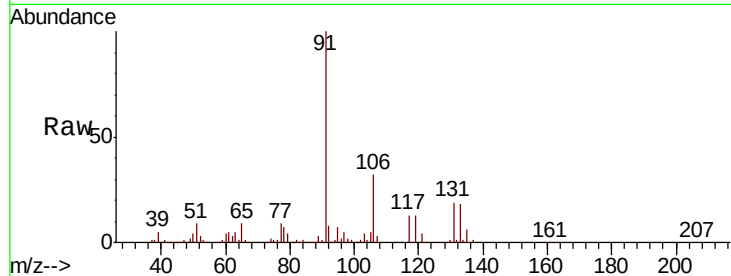




#67
Ethyl Benzene
Concen: 50.623 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

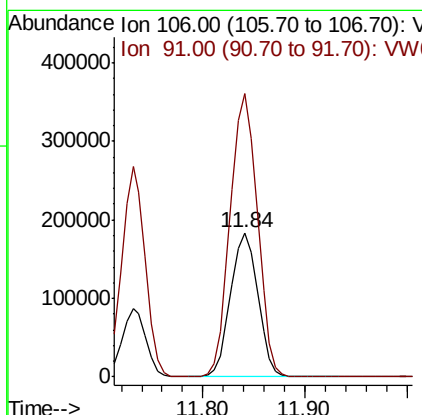
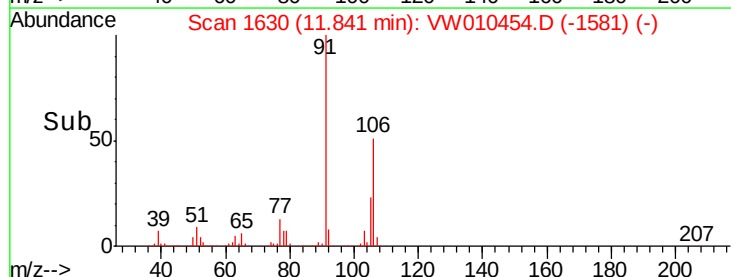
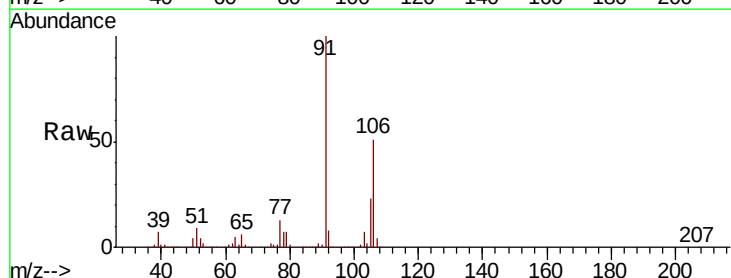
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

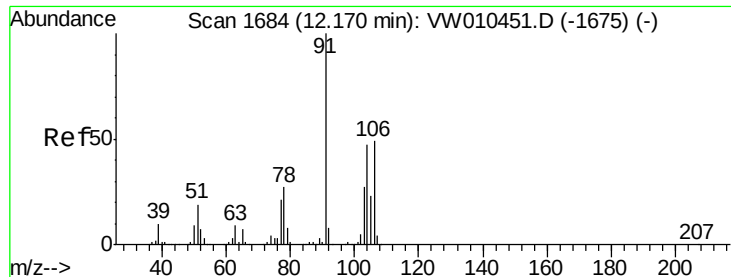
Tot Ion: 91 Resp: 430498
Ion Ratio Lower Upper
91 100
106 32.4 25.9 38.9



#68
m/p-Xylenes
Concen: 102.029 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion:106 Resp: 340321
Ion Ratio Lower Upper
106 100
91 196.1 156.0 234.0

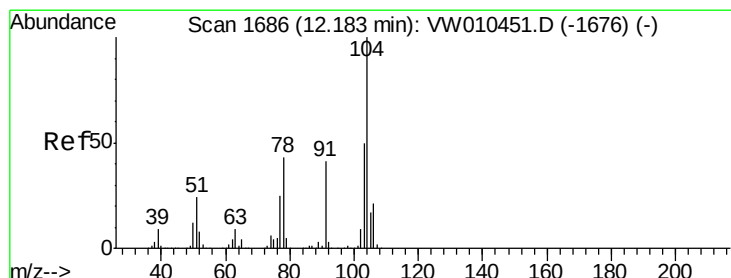
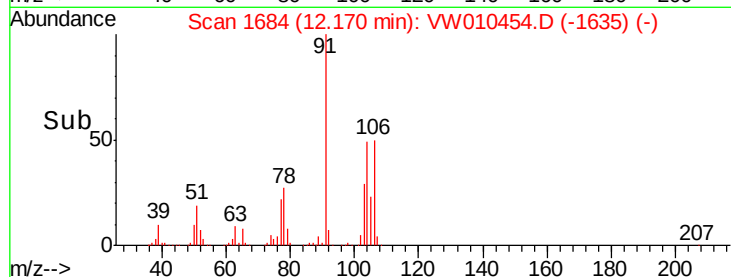
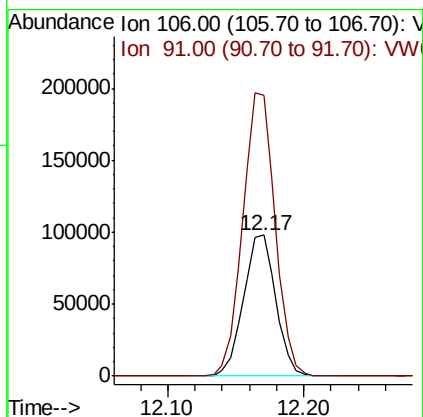
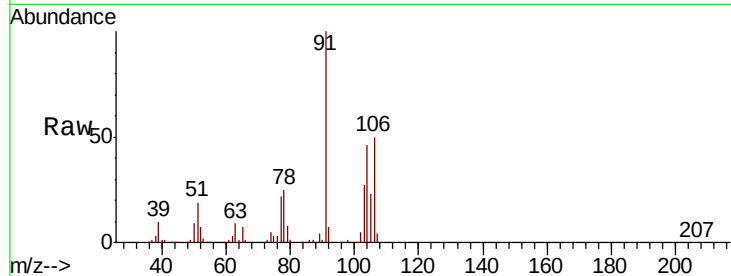




#69
o-Xylene
Concen: 51.461 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

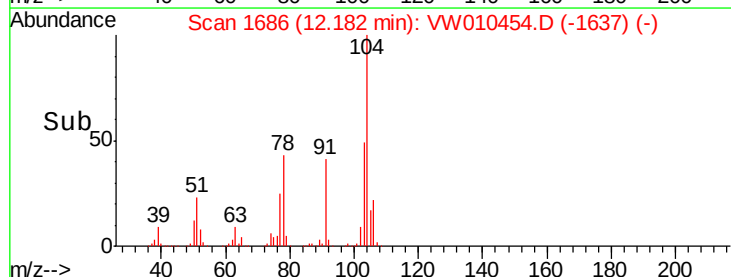
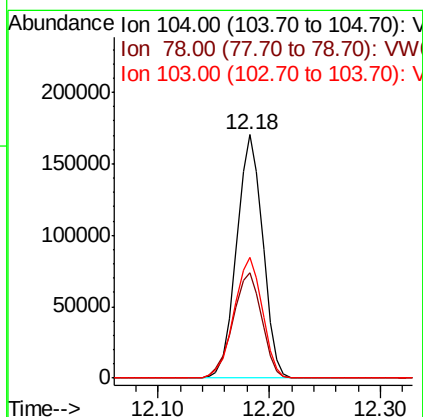
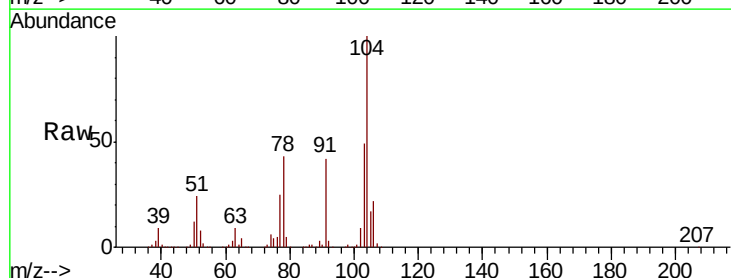
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

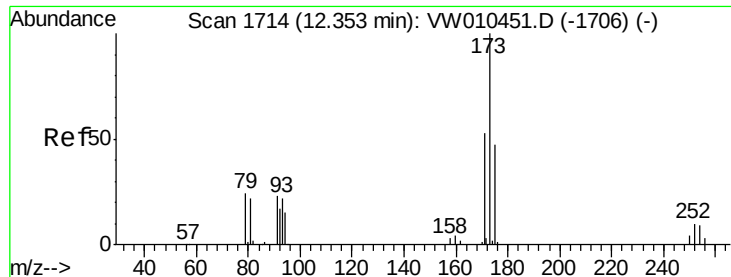
Tot Ion:106 Resp: 162628
Ion Ratio Lower Upper
106 100
91 201.8 103.2 309.4



#70
Styrene
Concen: 51.526 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion:104 Resp: 276286
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.4
103 53.6 43.0 64.6

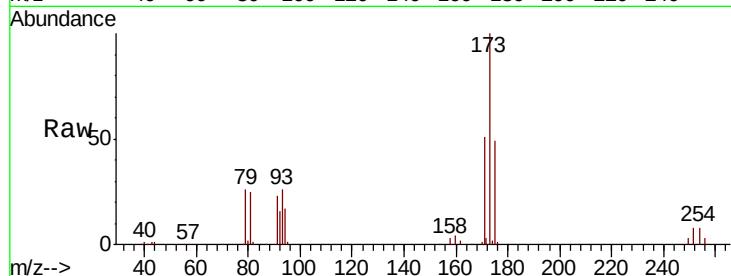




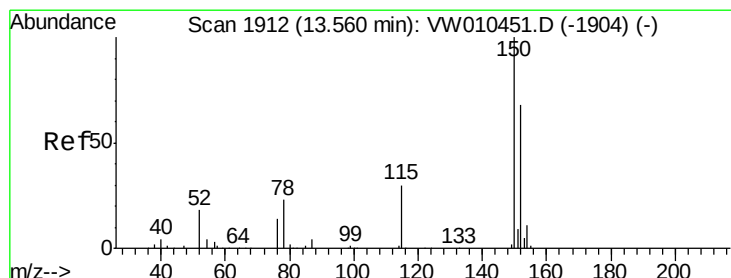
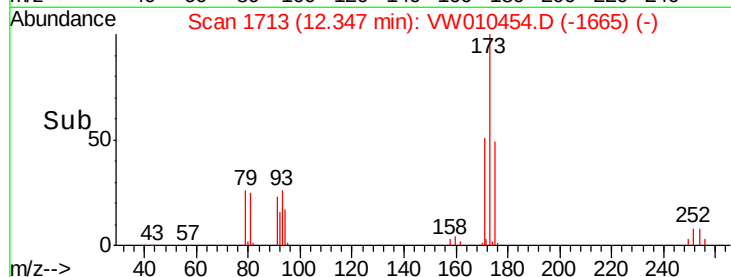
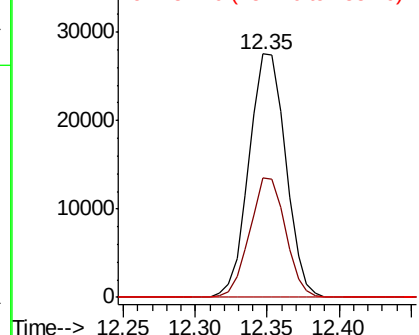
#71
Bromoform
Concen: 51.094 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion:173 Resp: 48548
Ion Ratio Lower Upper
173 100
175 47.6 24.4 73.4
254 0.0 0.0 0.0

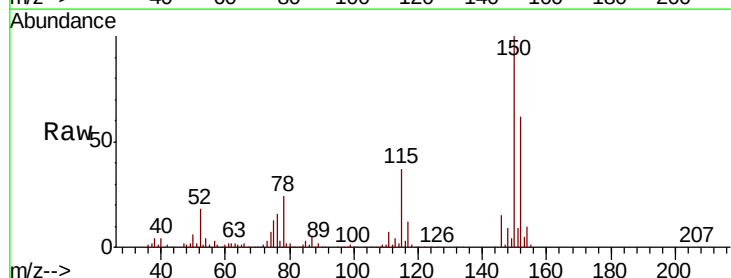


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

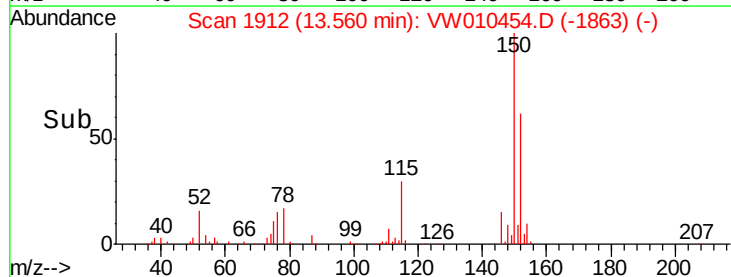
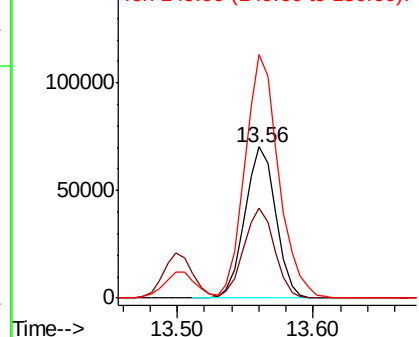


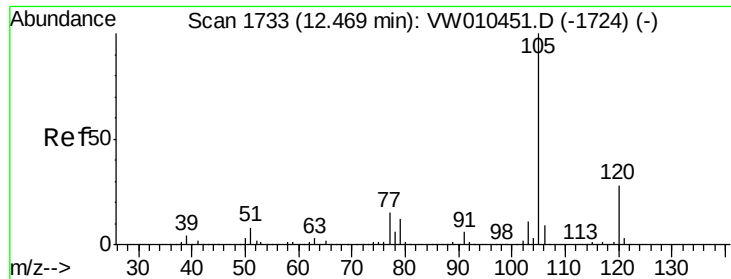
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion:152 Resp: 111496
Ion Ratio Lower Upper
152 100
115 59.5 30.3 91.0
150 175.2 0.0 349.8



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: 49.787 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

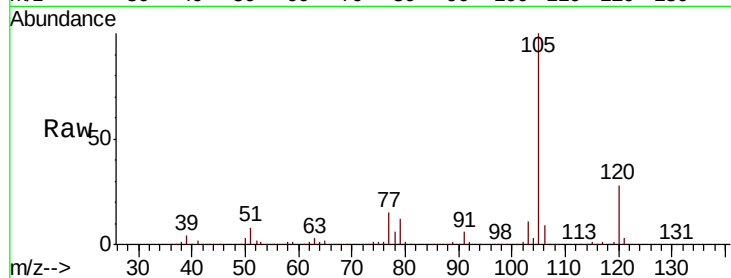
ICVW052019

Tot Ion:105 Resp: 440495

Ion Ratio Lower Upper

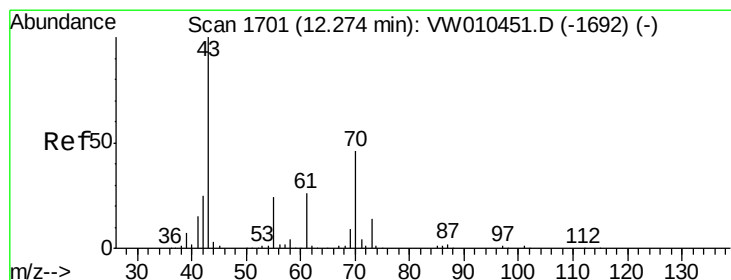
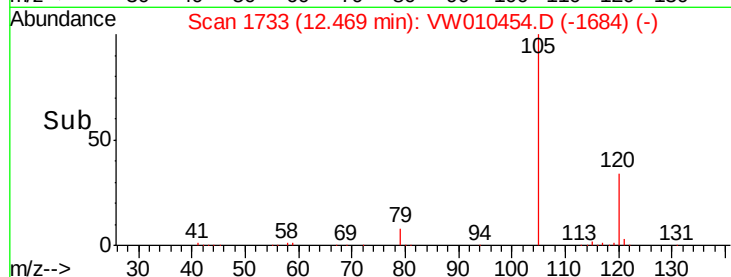
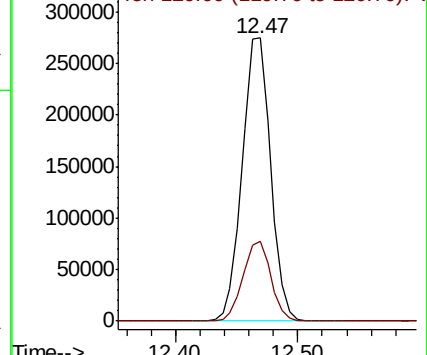
105 100

120 27.7 13.9 41.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.923 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Tgt Ion: 43 Resp: 97163

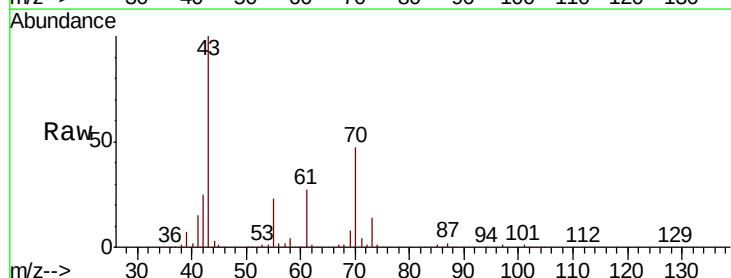
Ion Ratio Lower Upper

43 100

70 46.4 37.1 55.7

55 24.0 19.6 29.4

61 25.7 20.7 31.1

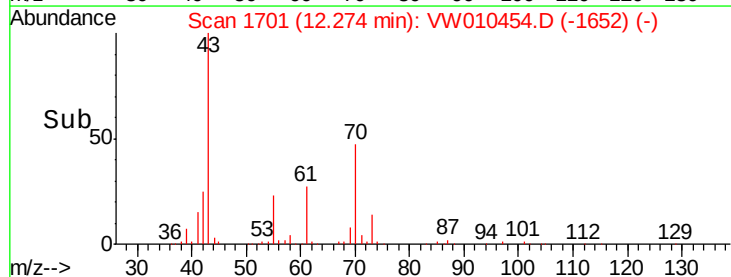
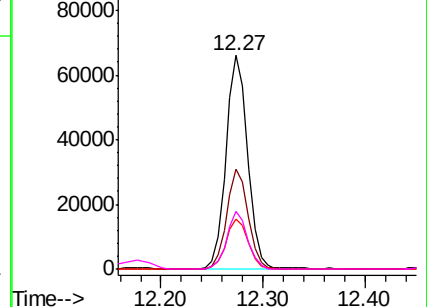


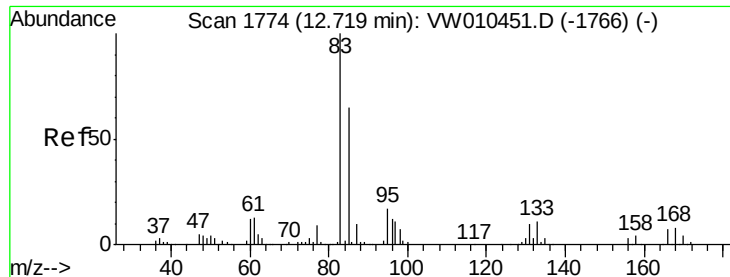
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

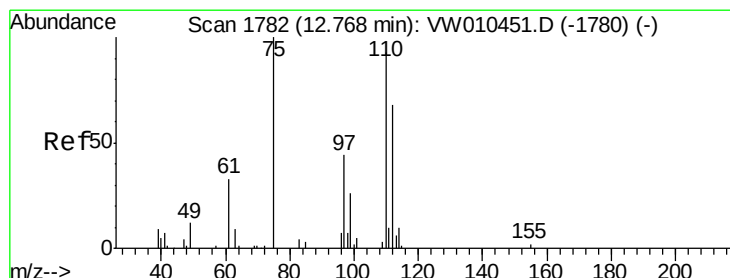
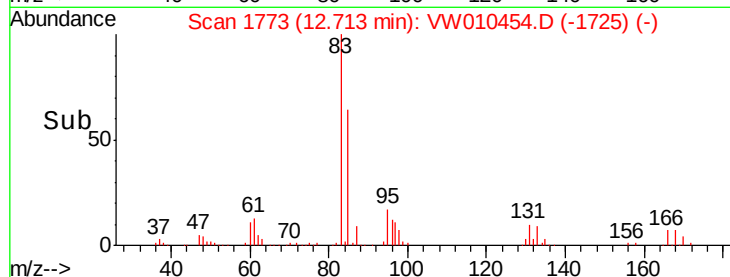
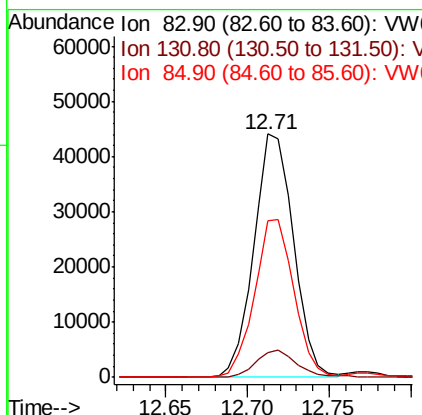
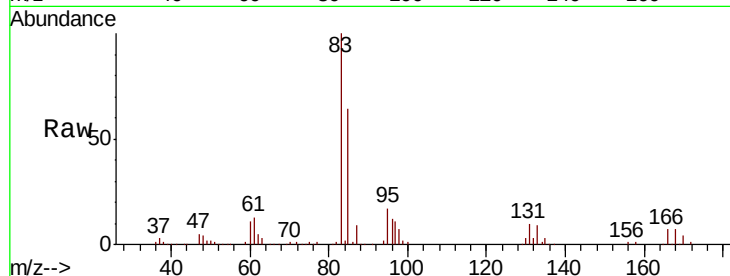




#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.298 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

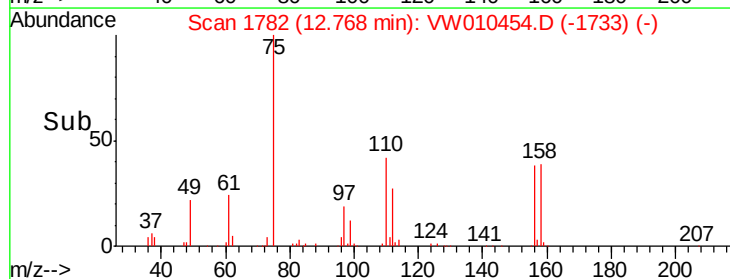
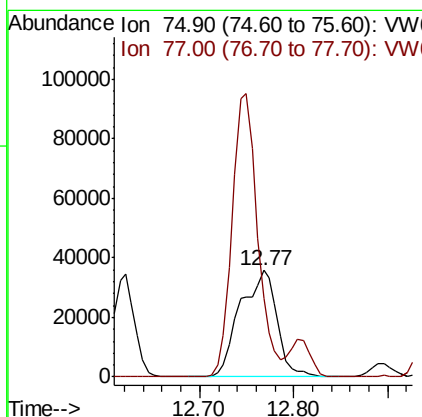
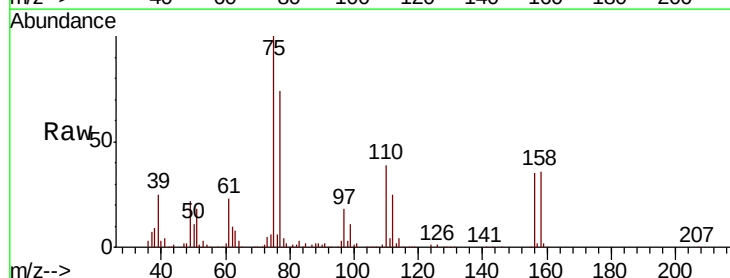
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

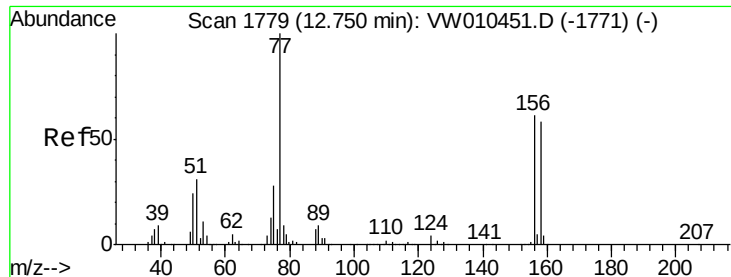
Tot Ion: 83 Resp: 74505
 Ion Ratio Lower Upper
 83 100
 131 11.7 5.6 16.8
 85 64.2 32.4 97.0



#76
 1,2,3-Trichloropropane
 Concen: 86.657 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 75 Resp: 98075
 Ion Ratio Lower Upper
 75 100
 77 183.2 170.0 510.1





#77

Bromobenzene

Concen: 50.488 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

ICVW052019

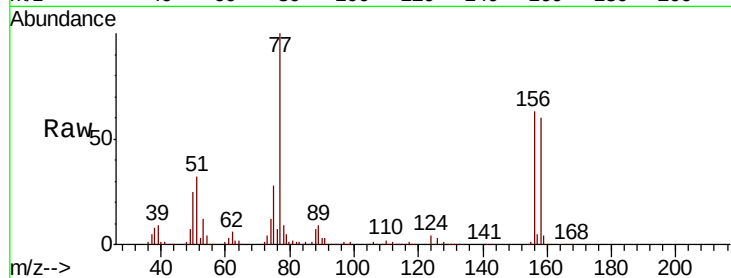
Tot Ion:156 Resp: 99963

Ion Ratio Lower Upper

156 100

77 179.8 92.4 277.2

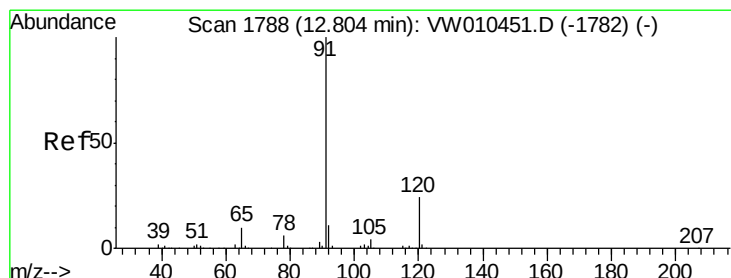
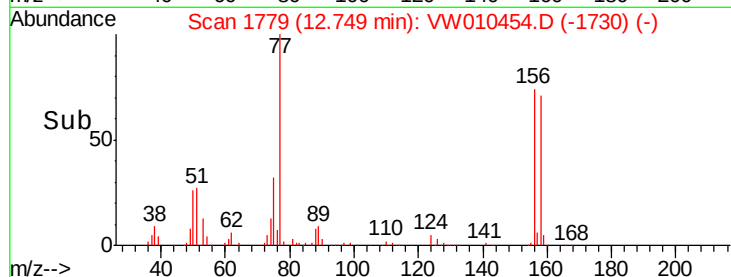
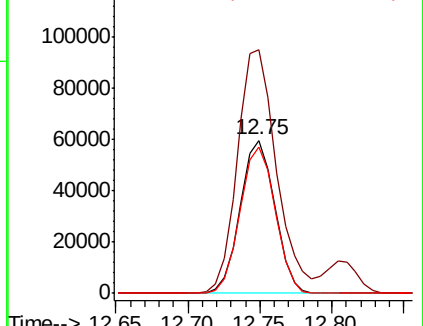
158 96.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.387 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010454.D

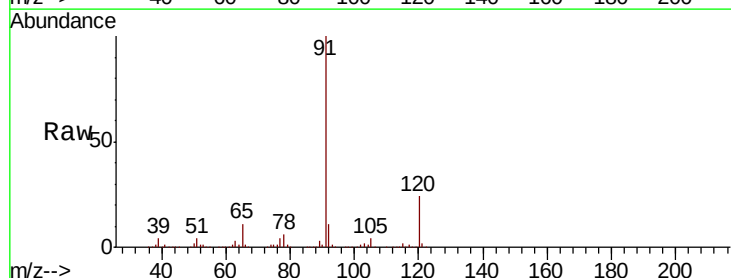
Acq: 20 May 2019 17:48

Tgt Ion: 91 Resp: 509215

Ion Ratio Lower Upper

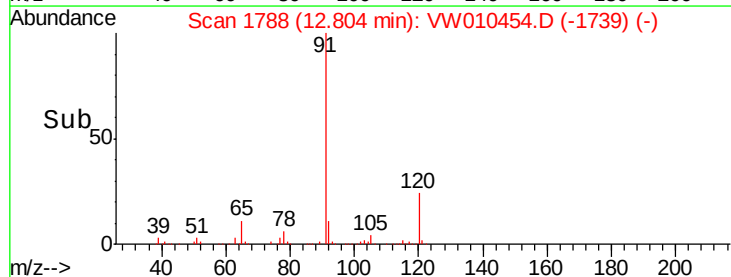
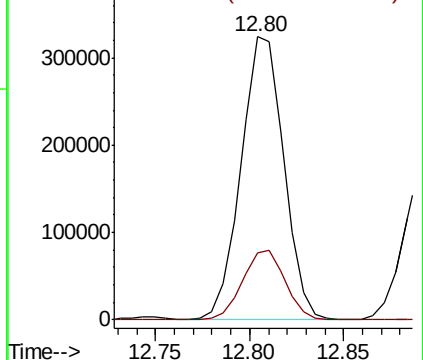
91 100

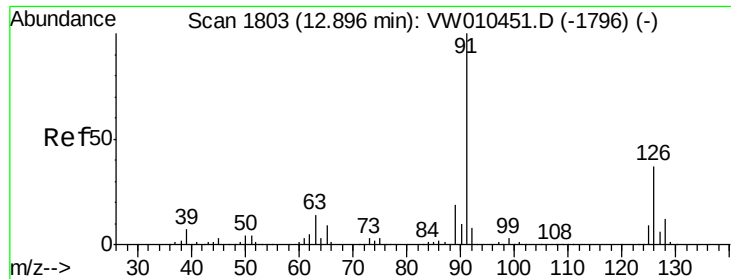
120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

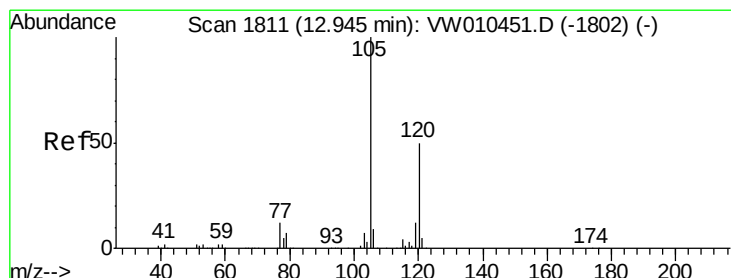
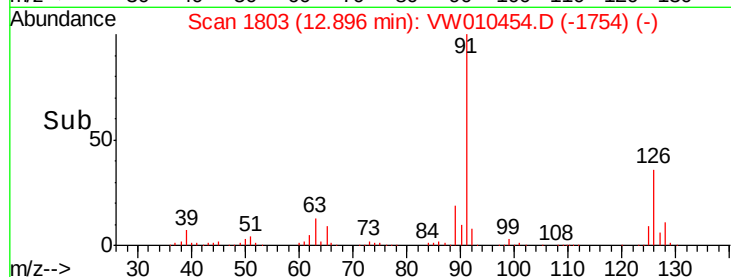
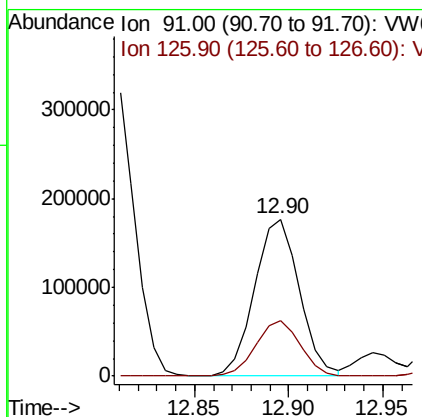
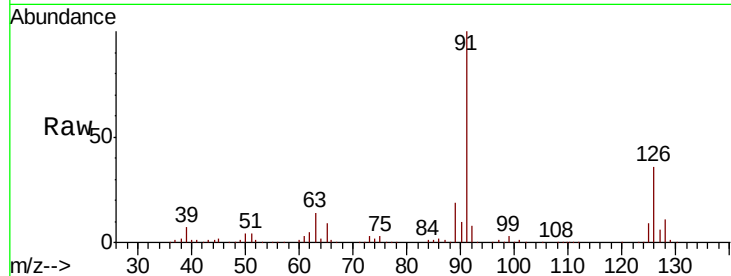




#79
 2-Chlorotoluene
 Concen: 48.695 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

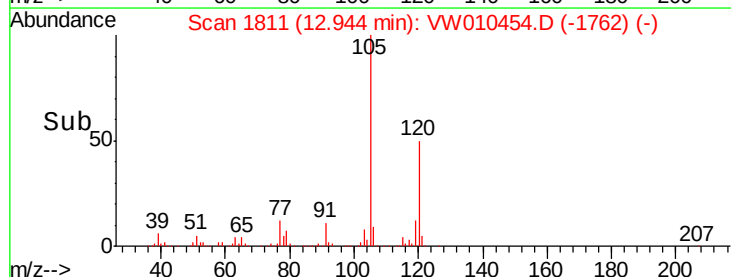
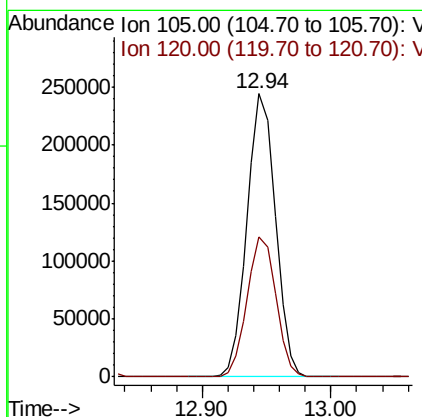
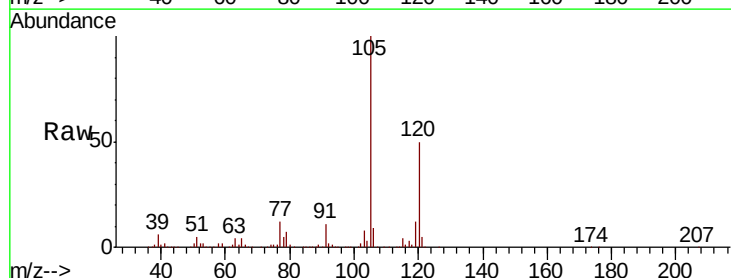
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

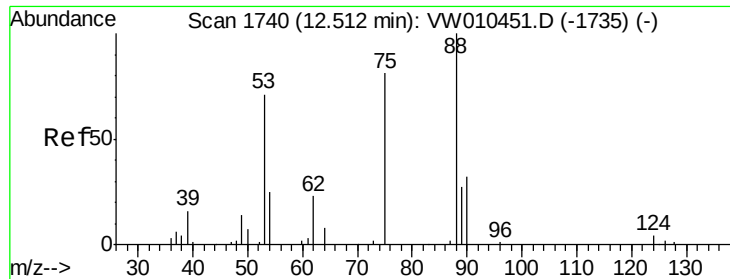
Tot Ion: 91 Resp: 291165
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 49.550 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion:105 Resp: 371296
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.2 75.6

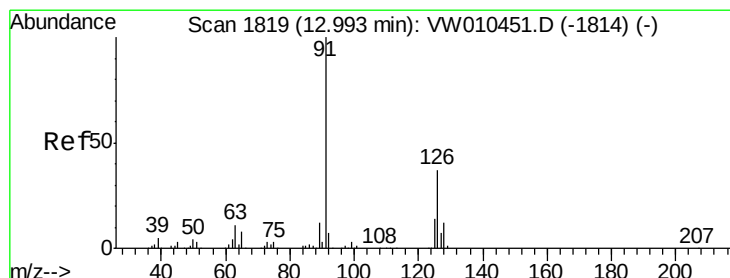
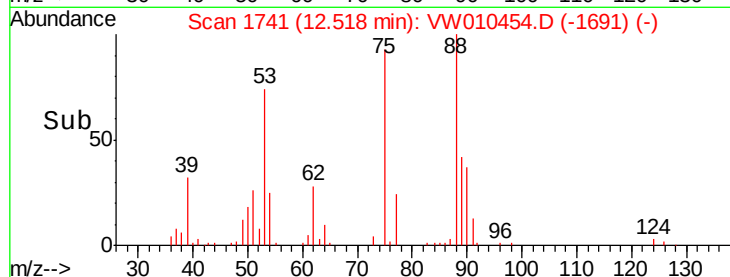
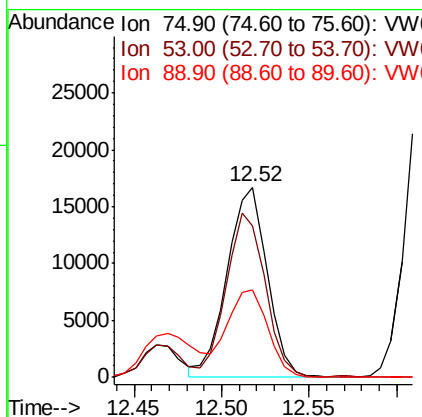
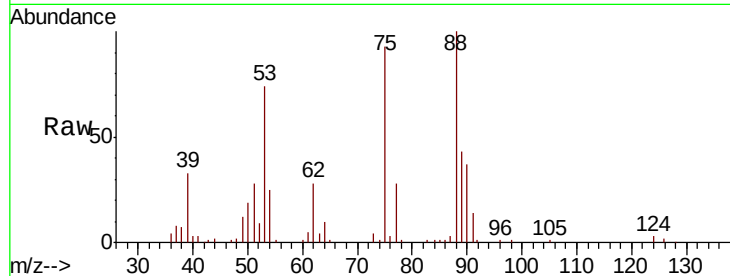




#81
trans-1,4-Dichloro-2-butene
Concen: 49.161 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

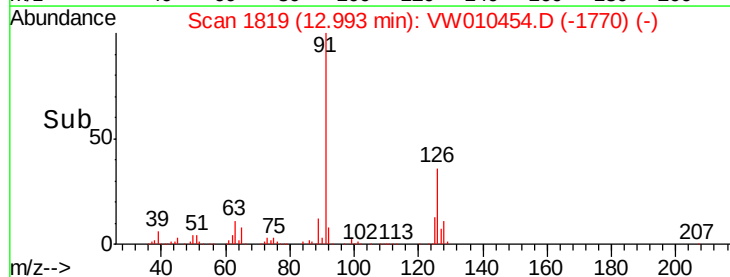
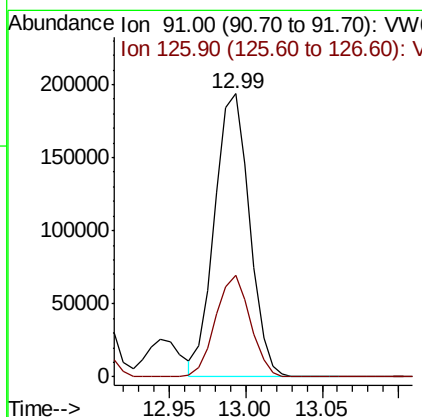
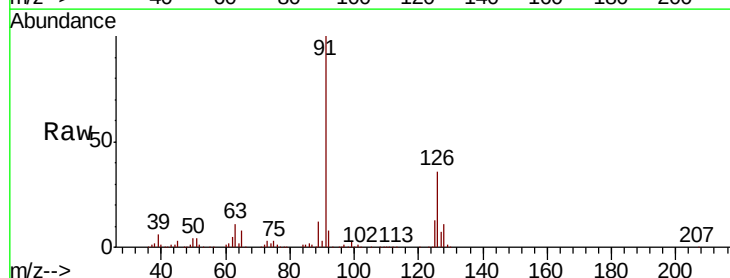
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

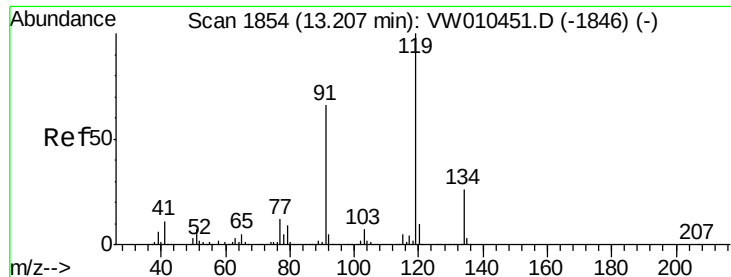
Tot Ion: 75 Resp: 26659
Ion Ratio Lower Upper
75 100
53 84.2 69.8 104.8
89 46.1 39.5 59.3



#82
4-Chlorotoluene
Concen: 49.610 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 91 Resp: 307901
Ion Ratio Lower Upper
91 100
126 35.7 17.5 52.6

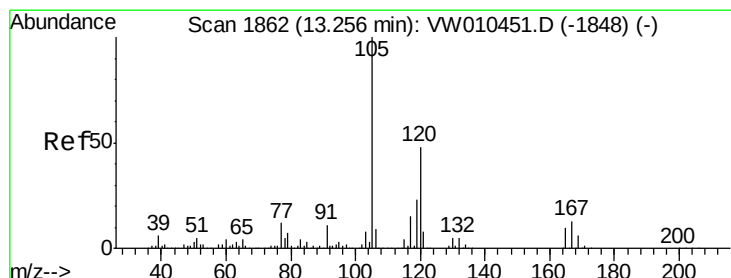
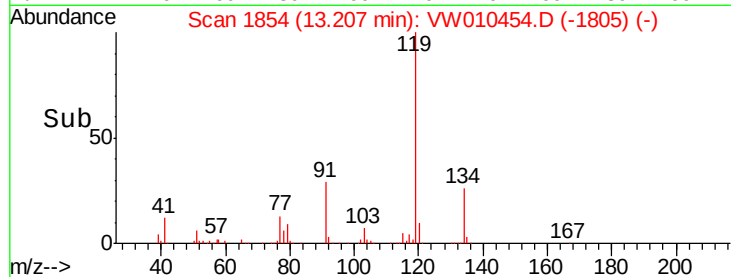
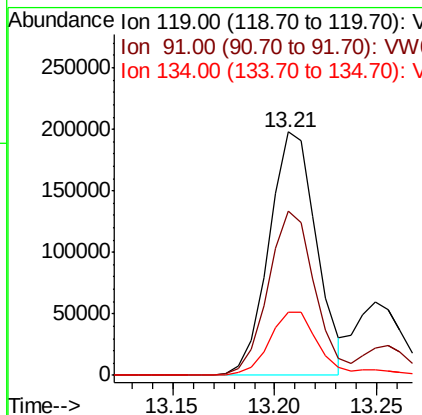
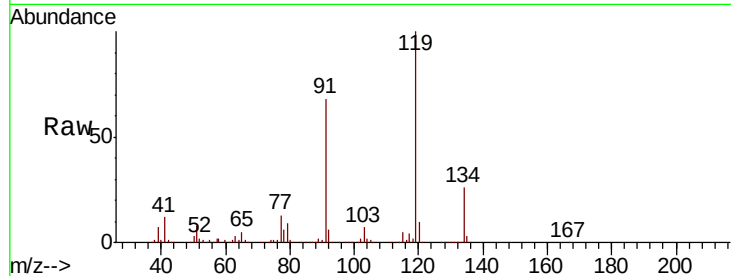




#83
 tert-Butylbenzene
 Concen: 49.065 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

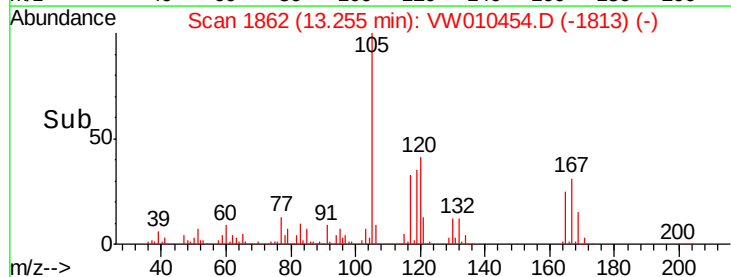
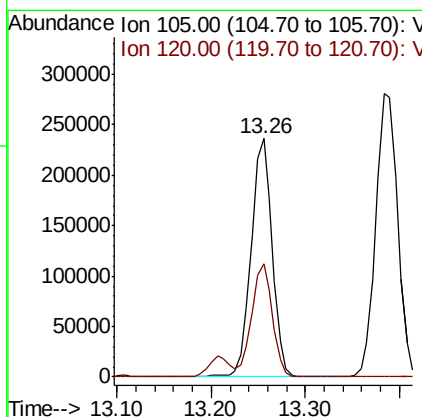
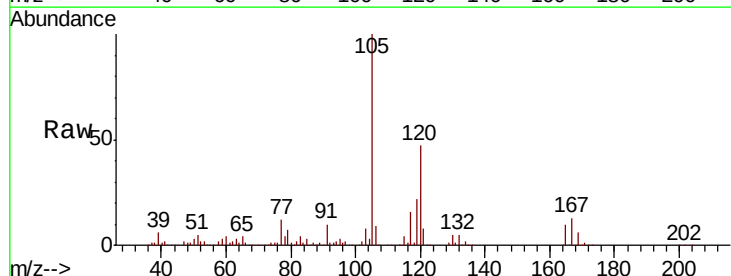
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

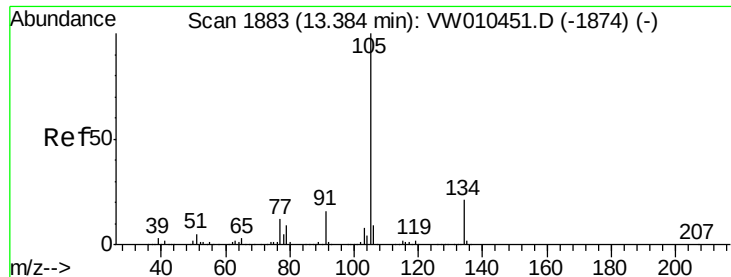
Tot Ion:119 Resp: 321156
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.1 99.5
 134 28.2 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.734 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion:105 Resp: 371174
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.2





#85

sec-Butylbenzene

Concen: 49.250 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

Instrument :

MSVOA_W

ClientSampleId :

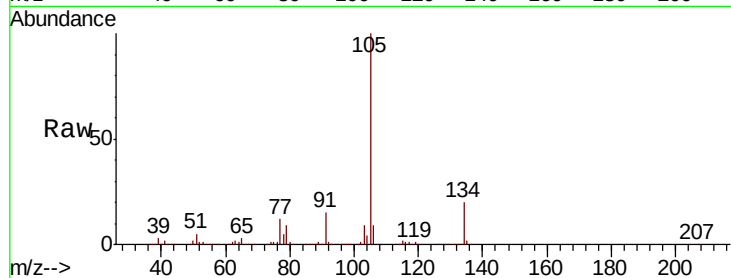
ICVW052019

Tot Ion:105 Resp: 451129

Ion Ratio Lower Upper

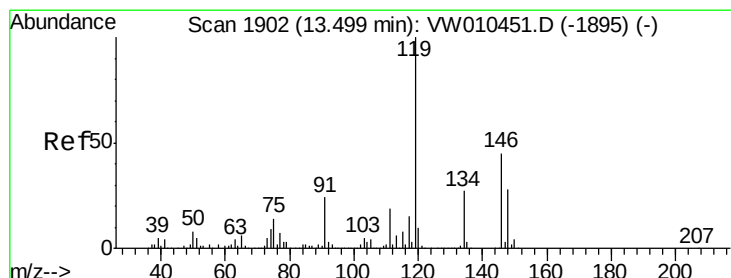
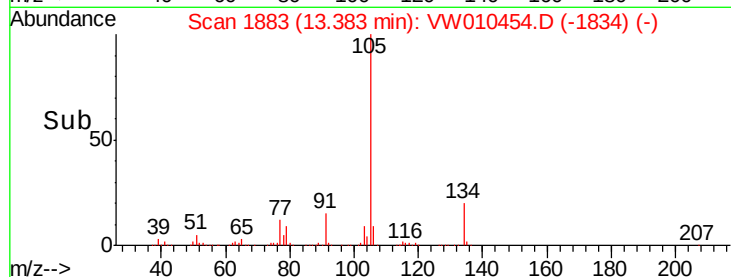
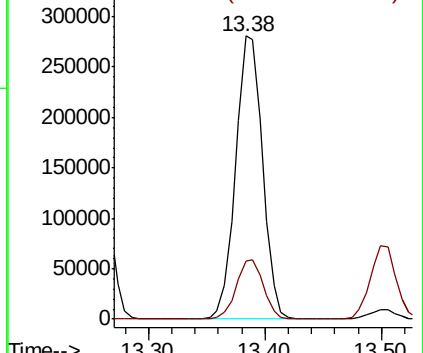
105 100

134 21.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.874 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010454.D

Acq: 20 May 2019 17:48

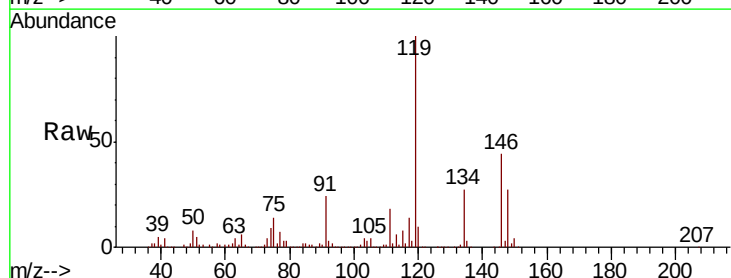
Tgt Ion:119 Resp: 413510

Ion Ratio Lower Upper

119 100

134 27.4 13.6 40.7

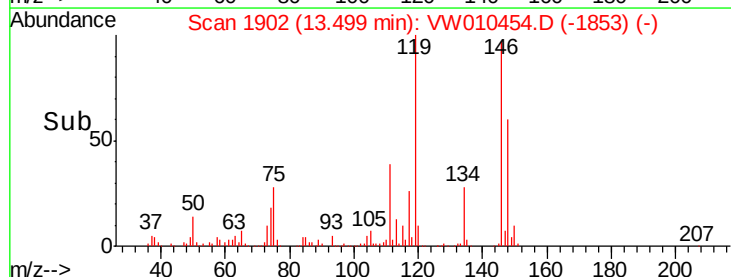
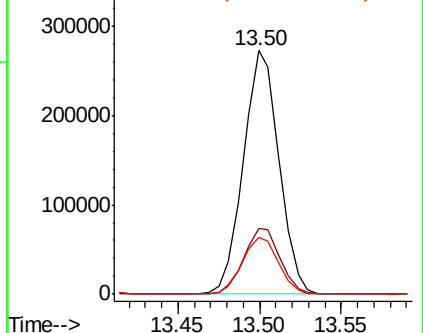
91 23.9 11.9 35.7

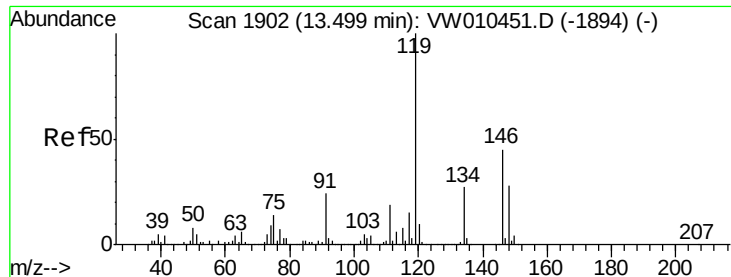


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

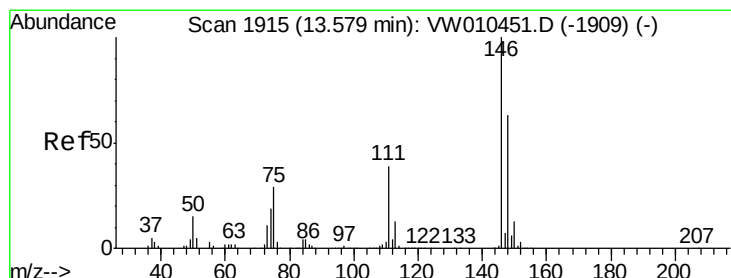
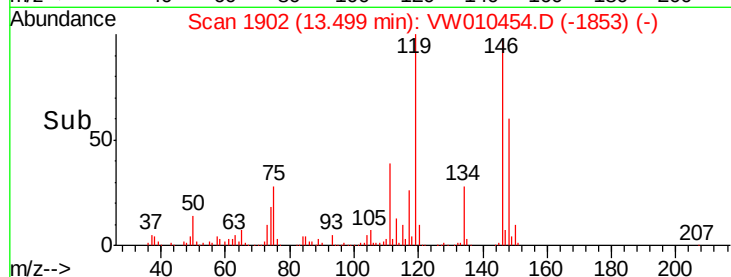
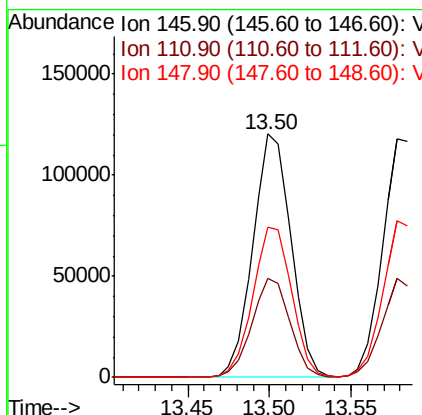
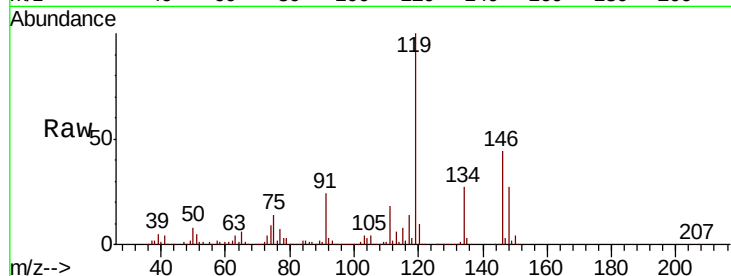




#87
 1,3-Dichlorobenzene
 Concen: 50.425 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

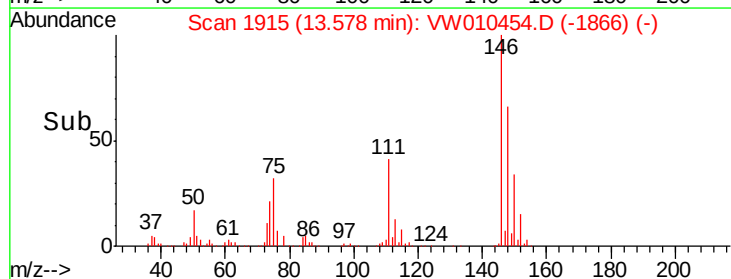
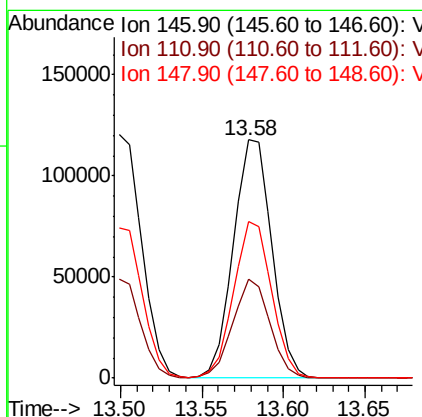
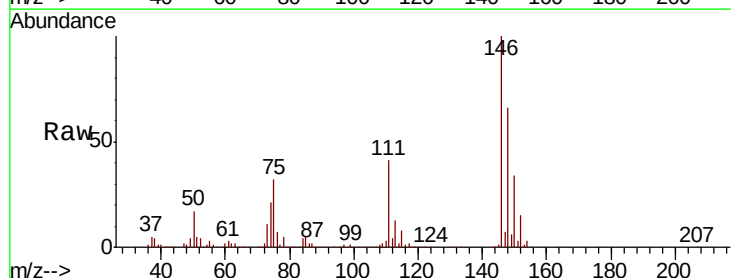
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

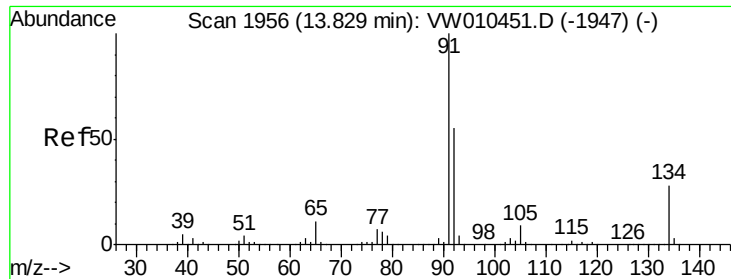
Tot Ion:146 Resp: 195876
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 60.9
 148 62.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 49.774 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion:146 Resp: 193987
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 64.8 31.6 94.8

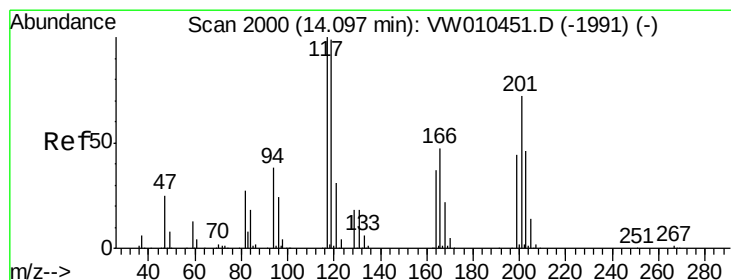
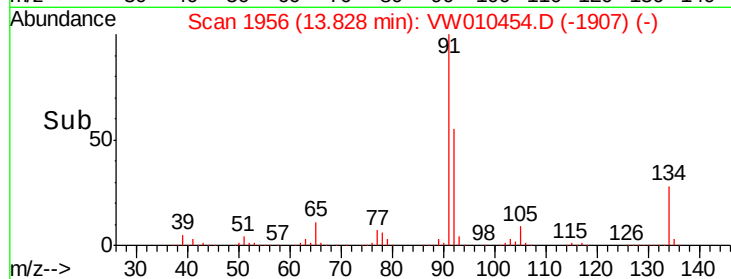
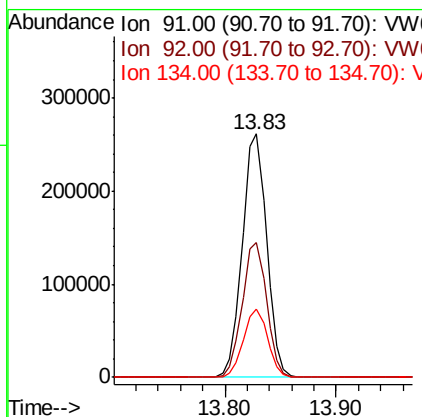
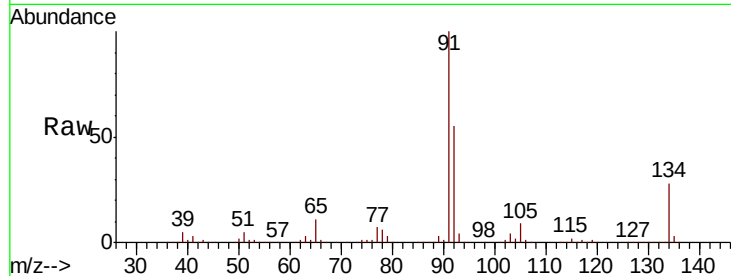




#89
n-Butylbenzene
Concen: 50.327 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

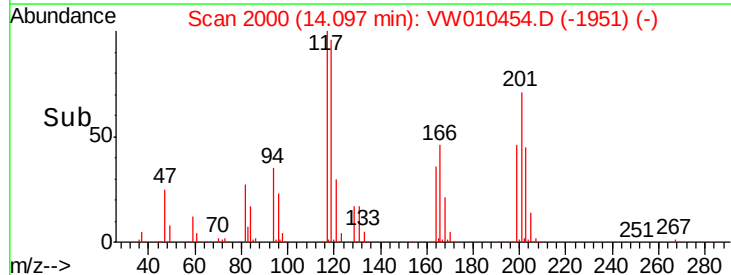
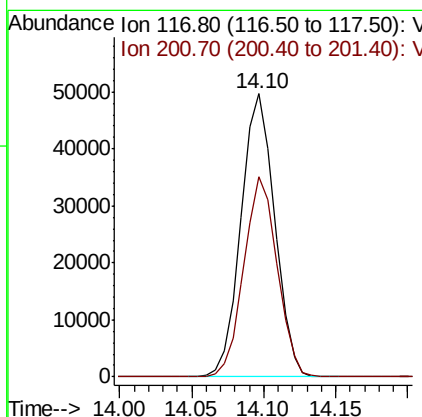
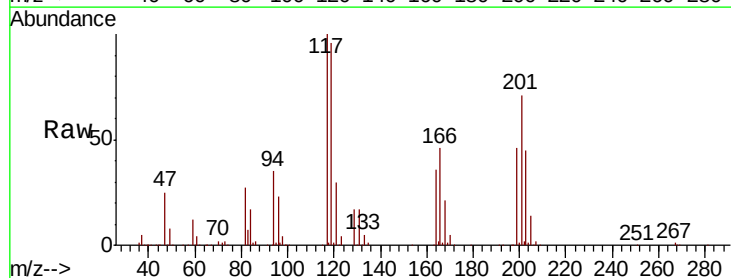
Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

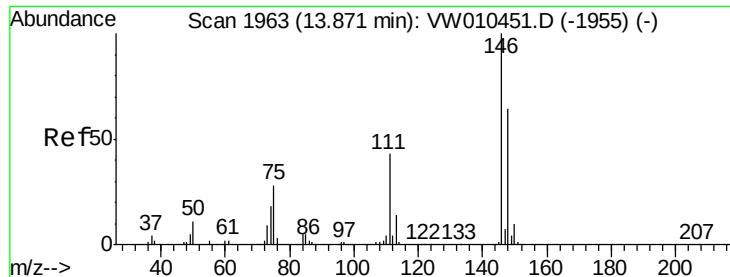
Tot Ion: 91 Resp: 396894
Ion Ratio Lower Upper
91 100
92 55.7 27.7 83.1
134 28.0 13.9 41.6



#90
Hexachloroethane
Concen: 50.270 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion: 117 Resp: 80673
Ion Ratio Lower Upper
117 100
201 69.7 34.6 103.8

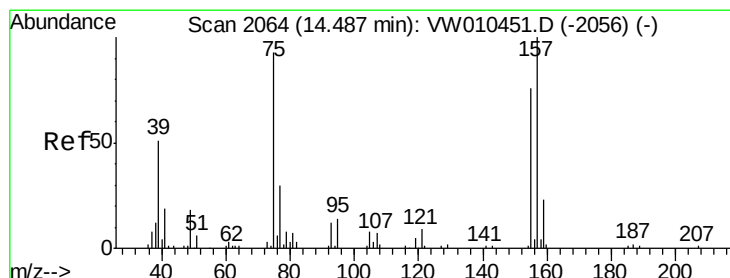
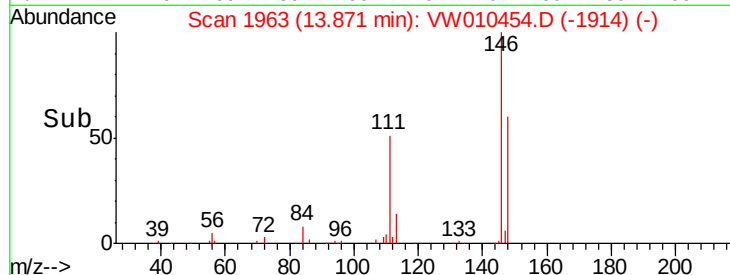
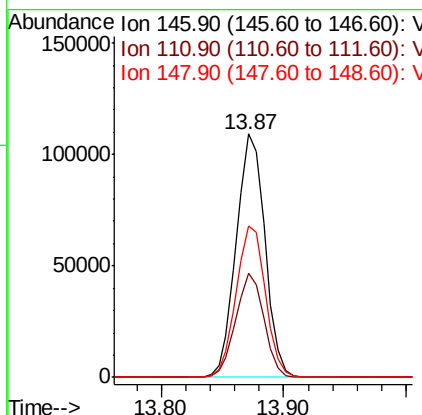
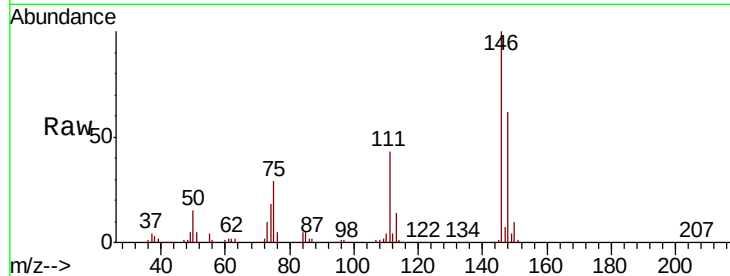




#91
 1,2-Dichlorobenzene
 Concen: 50.083 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

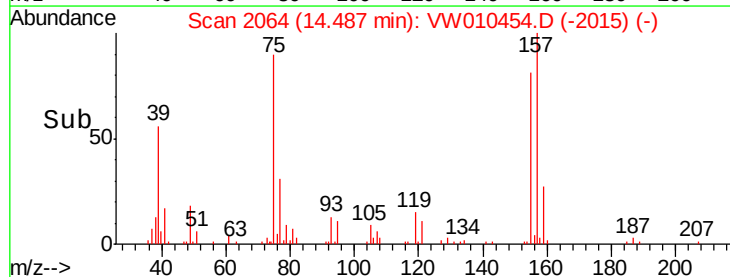
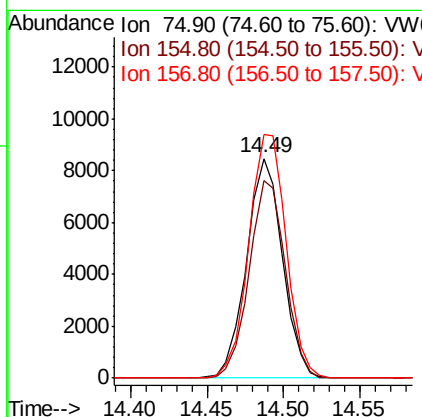
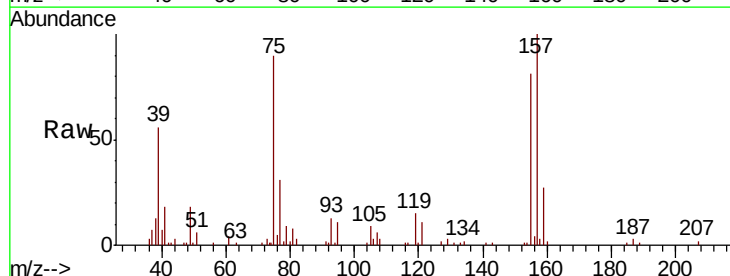
Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

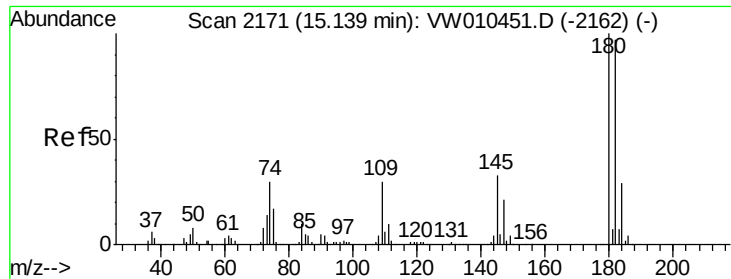
Tot Ion:146 Resp: 177262
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.3 64.0
 148 63.3 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.295 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion: 75 Resp: 13853
 Ion Ratio Lower Upper
 75 100
 155 90.1 43.0 129.0
 157 115.3 55.7 167.1

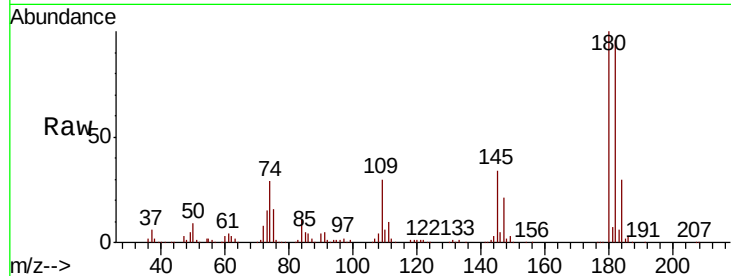




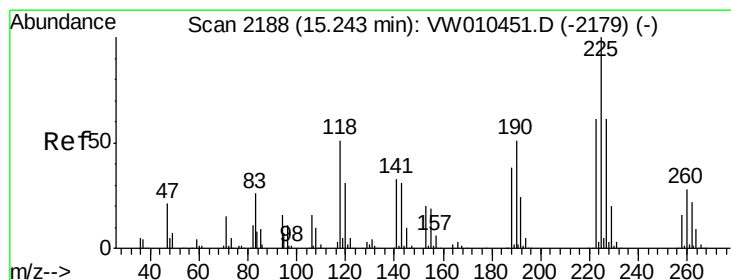
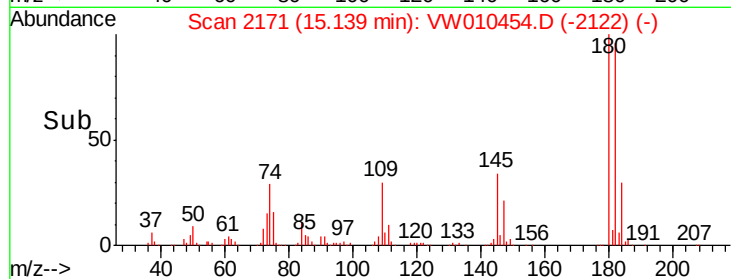
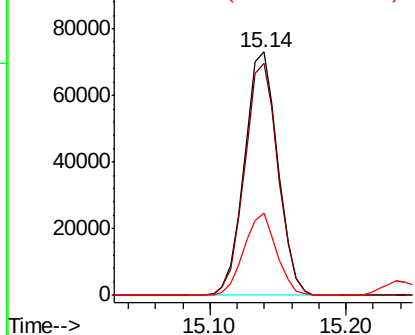
#93
 1,2,4-Trichlorobenzene
 Concen: 52.004 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW052019

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.2
145	32.9	16.7	50.0

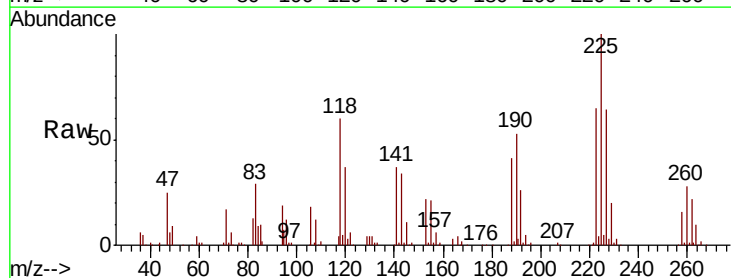


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

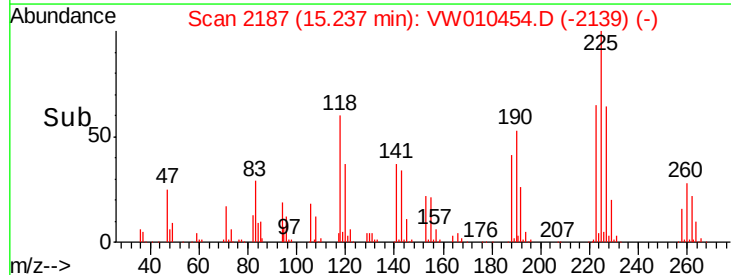
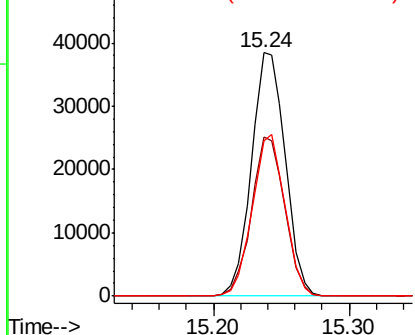


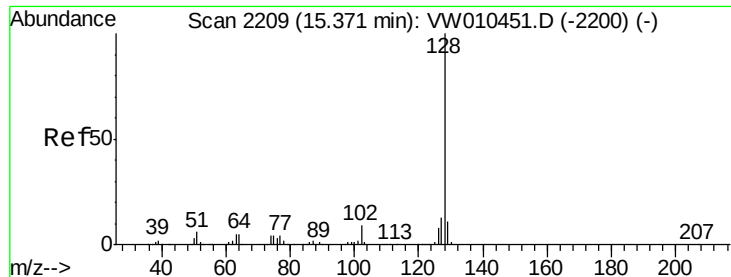
#94
 Hexachlorobutadiene
 Concen: 52.133 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010454.D
 Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.1	93.2
227	64.1	31.1	93.5



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

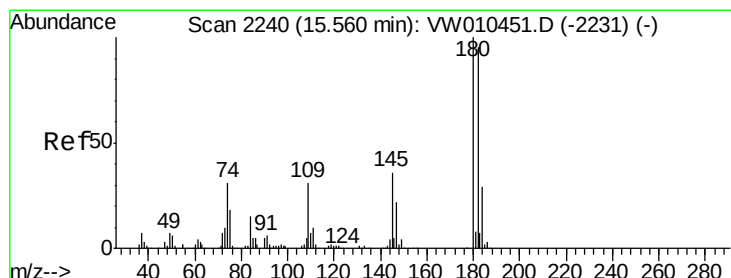
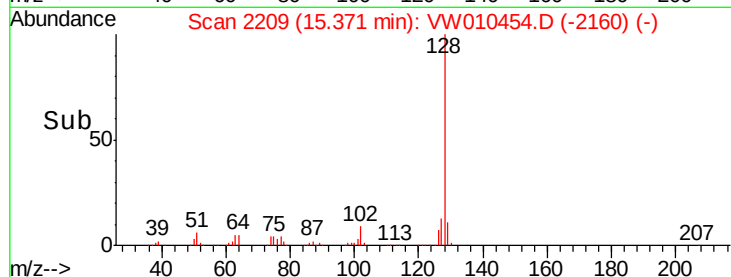
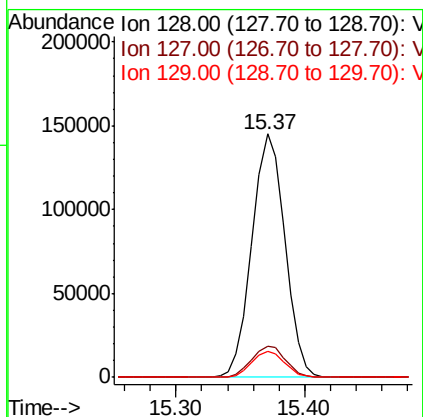
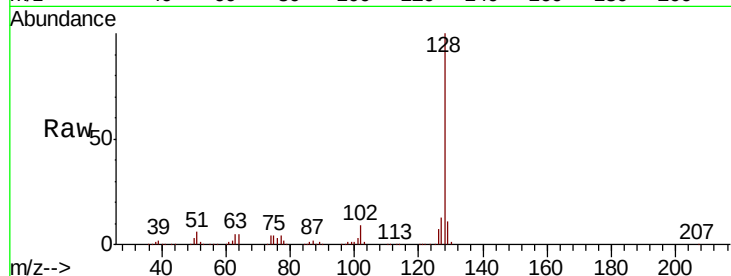




#95
Naphthalene
Concen: 50.744 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Instrument :
MSVOA_W
ClientSampleId :
ICVW052019

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.568 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010454.D
Acq: 20 May 2019 17:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.1	141.3
145	35.5	17.4	52.3

