

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008091.D
 Acq On : 08 Jan 2019 17:55
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 09 03:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	154325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	154581	130.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.80%	
35) Dibromofluoromethane	7.88	113	148859	140.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.38%	
50) Toluene-d8	10.32	98	606647	148.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.76%	
62) 4-Bromofluorobenzene	12.62	95	207073	134.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	268.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	120932	129.234	ug/l	99
3) Chloromethane	2.22	50	147356	189.972	ug/l	98
4) Vinyl Chloride	2.37	62	187103	185.446	ug/l	96
5) Bromomethane	2.79	94	169309	258.166	ug/l	98
6) Chloroethane	2.93	64	176258	314.533	ug/l	94
7) Trichlorofluoromethane	3.26	101	169058	173.972	ug/l	91
8) Diethyl Ether	3.68	74	88170	173.045	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161685	145.560	ug/l	94
10) Methyl Iodide	4.26	142	257186	145.577	ug/l	97
11) Tert butyl alcohol	5.24	59	50428	651.438	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	163463	152.113	ug/l	97
13) Acrolein	3.90	56	56904	994.197	ug/l	99
14) Allyl chloride	4.67	41	293388	190.097	ug/l	98
15) Acrylonitrile	5.38	53	176868	944.456	ug/l	98
16) Acetone	4.14	43	151315	805.225	ug/l	94
17) Carbon Disulfide	4.37	76	514604	156.477	ug/l	99
18) Methyl Acetate	4.67	43	107638	209.099	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	243867	144.027	ug/l	94
20) Methylene Chloride	4.91	84	162021	128.493	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	169044	144.706	ug/l	98
22) Diisopropyl ether	6.31	45	533699	191.088	ug/l	99
23) Vinyl Acetate	6.26	43	1469980	952.873	ug/l	98
24) 1,1-Dichloroethane	6.21	63	308265	156.337	ug/l	98
25) 2-Butanone	7.18	43	216334	942.533	ug/l	98
26) 2,2-Dichloropropane	7.17	77	194180	123.535	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	184063	147.531	ug/l	97
28) Bromochloromethane	7.51	49	118850	177.335	ug/l	94
29) Tetrahydrofuran	7.54	42	149045	1021.237	ug/l	98
30) Chloroform	7.68	83	296160	137.389	ug/l	95
31) Cyclohexane	7.95	56	306790	162.034	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	256494	126.619	ug/l	99
36) 1,1-Dichloropropene	8.08	75	251976	150.275	ug/l	98
37) Ethyl Acetate	7.26	43	103297	193.189	ug/l	98
38) Carbon Tetrachloride	8.07	117	239522	124.080	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	324372	154.365	ug/l	95
40) Benzene	8.32	78	694918	155.892	ug/l	98
41) Methacrylonitrile	7.49	41	64110	209.053	ug/l	96
42) 1,2-Dichloroethane	8.40	62	189451	131.214	ug/l	99
43) Isopropyl Acetate	8.43	43	211339	199.992	ug/l	99
44) Trichloroethene	9.09	130	184174	143.705	ug/l	99
45) 1,2-Dichloropropane	9.37	63	174483	176.464	ug/l	98
46) Dibromomethane	9.46	93	84810	151.801	ug/l	93
47) Bromodichloromethane	9.65	83	221007	142.470	ug/l	98
48) Methyl methacrylate	9.44	41	106993	200.449	ug/l	97
49) 1,4-Dioxane	9.48	88	27364	3270.821	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	497292	1002.732	ug/l	99
52) Toluene	10.39	92	437801	148.988	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	234207	155.022	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	278353	163.574	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	119023	156.893	ug/l	99
56) Ethyl methacrylate	10.65	69	162927	185.158	ug/l	99
57) 1,3-Dichloropropane	10.93	76	218021	165.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	405338	943.369	ug/l	98
59) 2-Hexanone	10.97	43	339992	996.218	ug/l	100
60) Dibromochloromethane	11.13	129	144823	142.735	ug/l	100
61) 1,2-Dibromoethane	11.24	107	117888	155.205	ug/l	99
64) Tetrachloroethene	10.87	164	153915	149.572	ug/l	95
65) Chlorobenzene	11.66	112	470998	145.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	160113	138.399	ug/l	100
67) Ethyl Benzene	11.73	91	845882	146.196	ug/l	98
68) m/p-Xylenes	11.84	106	645532	289.326	ug/l	98
69) o-Xylene	12.17	106	301628	145.353	ug/l	99
70) Styrene	12.18	104	491696	145.740	ug/l	98
71) Bromoform	12.35	173	81865	153.370	ug/l #	97
73) Isopropylbenzene	12.47	105	818665	144.606	ug/l	100
74) N-amyl acetate	12.27	43	195158	207.213	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	131919	176.637	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	180842	311.200	ug/l #	1
77) Bromobenzene	12.75	156	183464	152.092	ug/l	91
78) n-propylbenzene	12.81	91	982928	148.084	ug/l	98
79) 2-Chlorotoluene	12.90	91	551958	144.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	664555	137.350	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44332	179.228	ug/l	95
82) 4-Chlorotoluene	12.99	91	567252	140.130	ug/l	98
83) tert-Butylbenzene	13.21	119	592424	139.398	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	671592	136.370	ug/l	98
85) sec-Butylbenzene	13.39	105	849556	144.014	ug/l	99
86) p-Isopropyltoluene	13.50	119	737006	139.291	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	354198	144.328	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	353018	144.992	ug/l	98
89) n-Butylbenzene	13.83	91	717506	146.757	ug/l	99
90) Hexachloroethane	14.10	117	133349	145.704	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	313158	144.963	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21750	148.016	ug/l	88

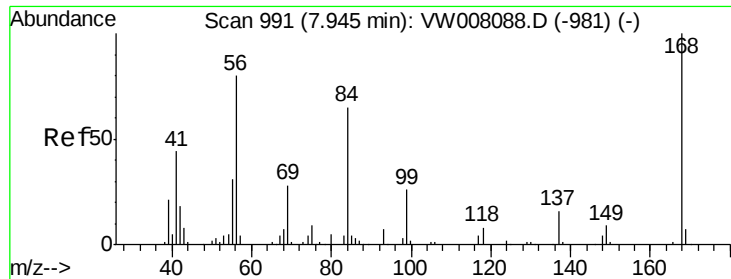
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	224064	150.328	ug/l	97
94) Hexachlorobutadiene	15.24	225	127175	148.859	ug/l	100
95) Naphthalene	15.37	128	419659	162.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	192577	155.291	ug/l	97

(#) = 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. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

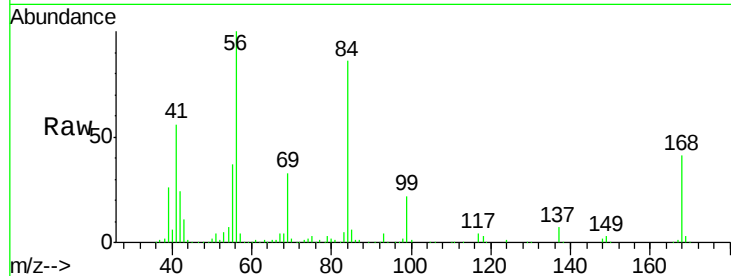
VSTDIC150

Tot Ion:168 Resp: 105960

Ion Ratio Lower Upper

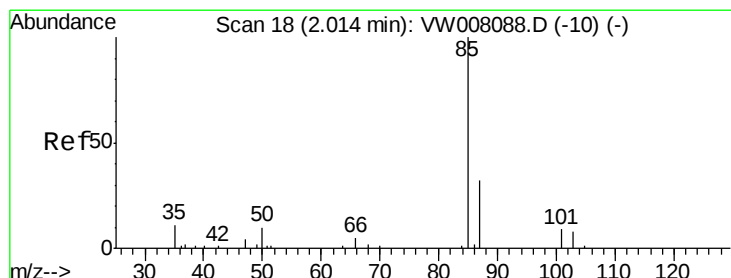
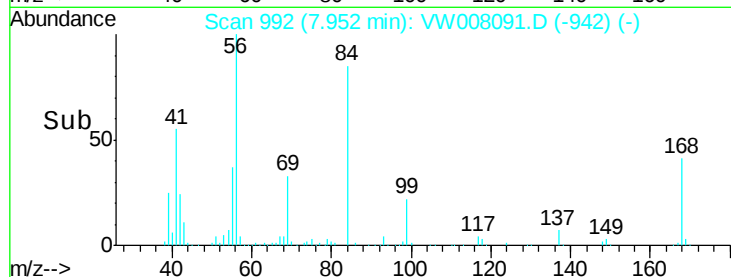
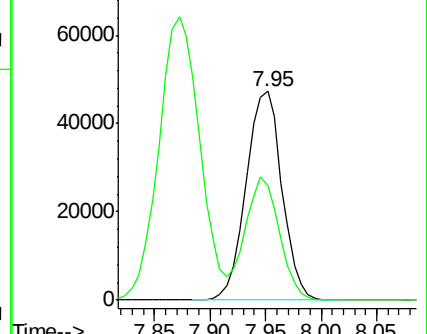
168 100

99 54.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 129.234 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008091.D

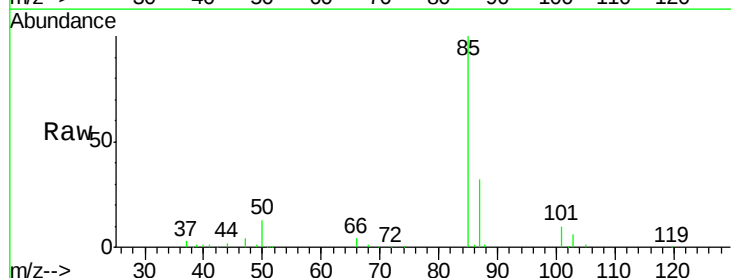
Acq: 08 Jan 2019 17:55

Tgt Ion: 85 Resp: 120932

Ion Ratio Lower Upper

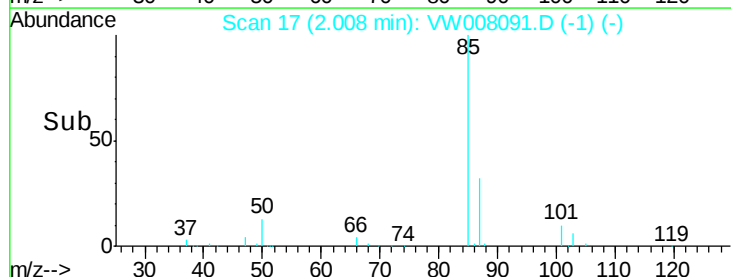
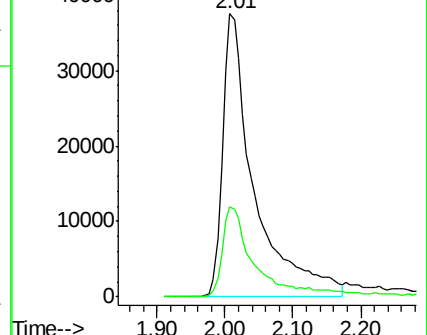
85 100

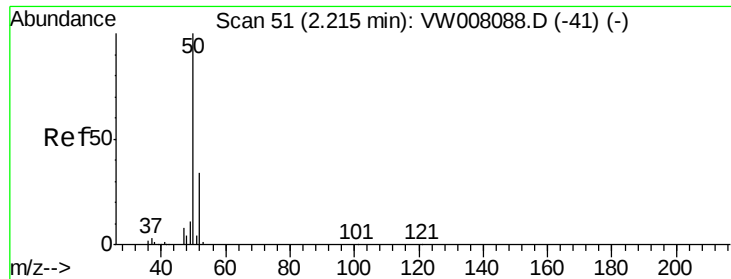
87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 189.972 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

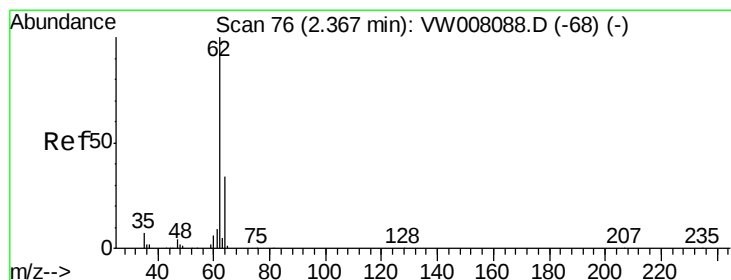
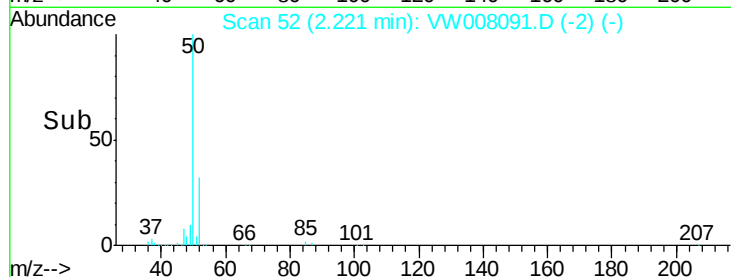
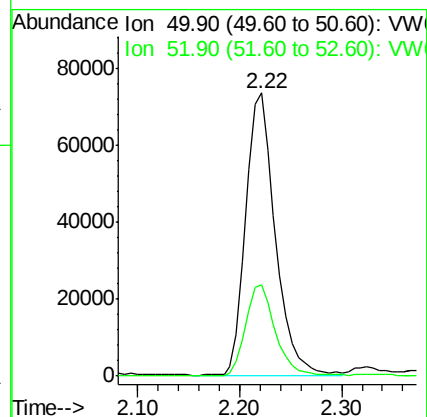
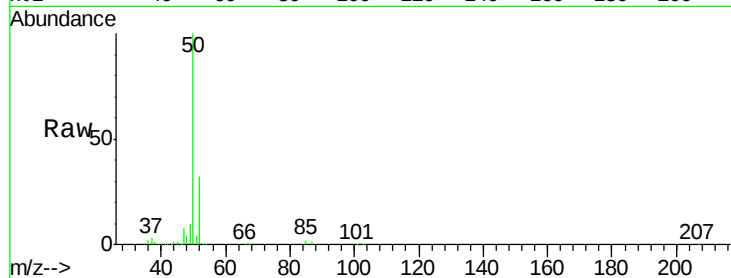
VSTDIC150

Tot Ion: 50 Resp: 147356

Ion Ratio Lower Upper

50 100

52 32.2 26.8 40.2



#4

Vinyl Chloride

Concen: 185.446 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008091.D

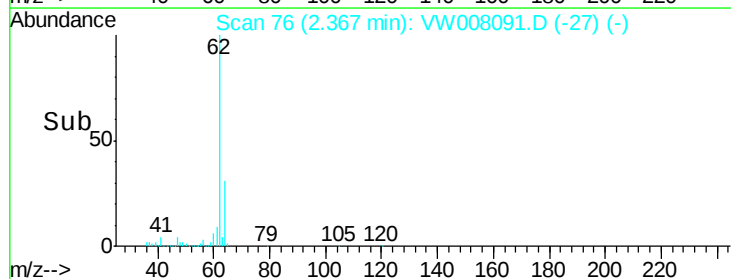
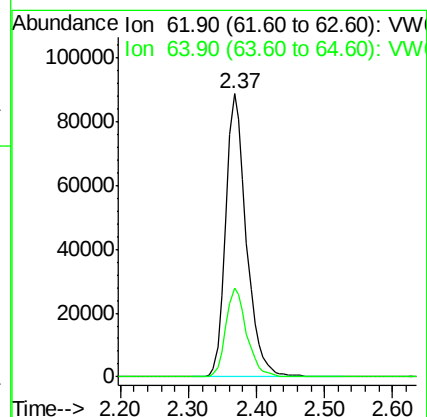
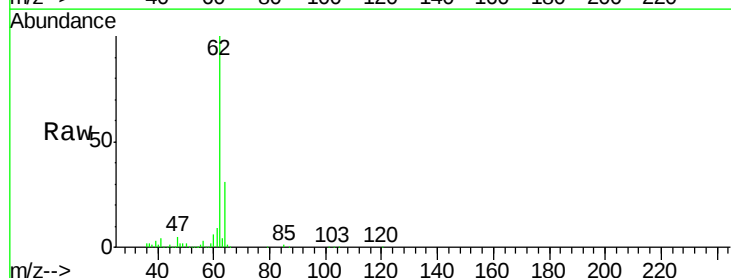
Acq: 08 Jan 2019 17:55

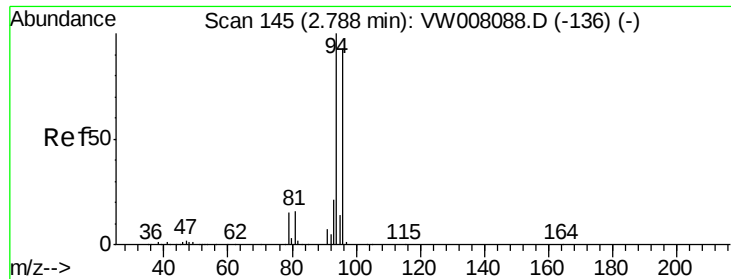
Tgt Ion: 62 Resp: 187103

Ion Ratio Lower Upper

62 100

64 31.3 27.0 40.6





#5

Bromomethane

Concen: 258.166 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

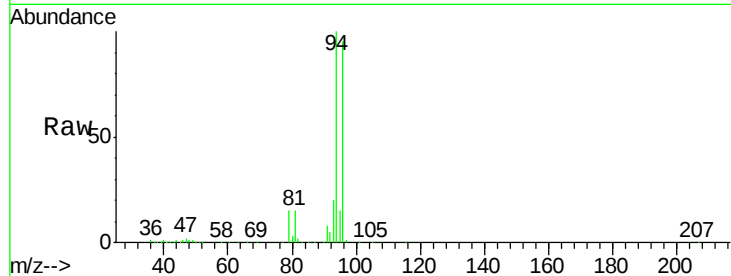
VSTDIC150

Tot Ion: 94 Resp: 169309

Ion Ratio Lower Upper

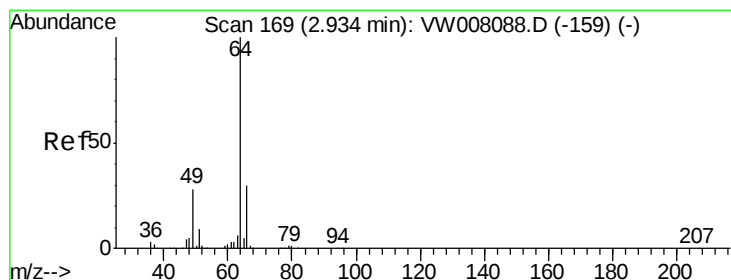
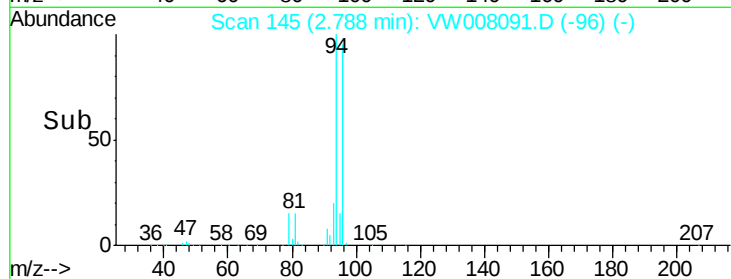
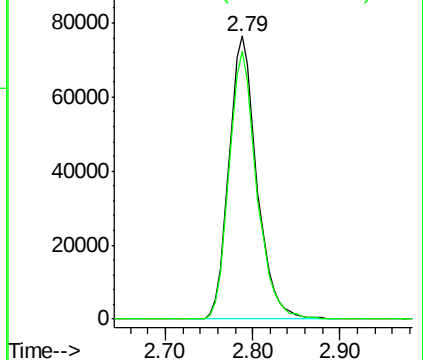
94 100

96 94.6 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 314.533 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008091.D

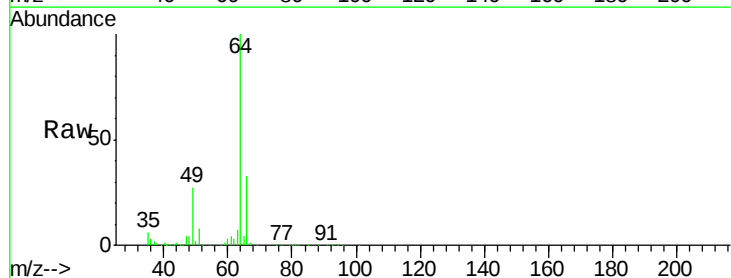
Acq: 08 Jan 2019 17:55

Tgt Ion: 64 Resp: 176258

Ion Ratio Lower Upper

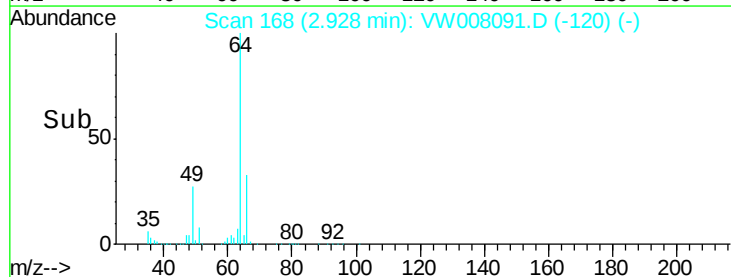
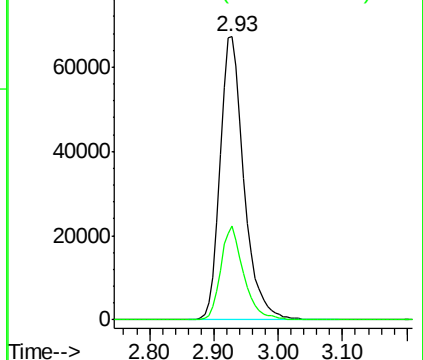
64 100

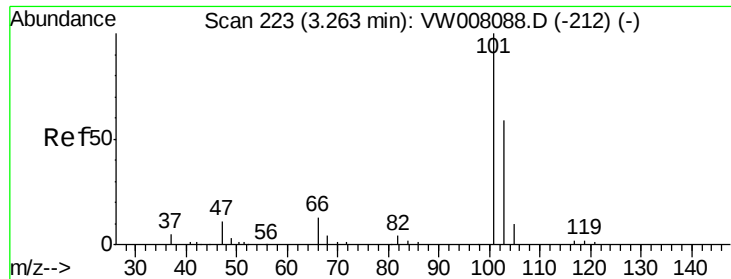
66 33.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



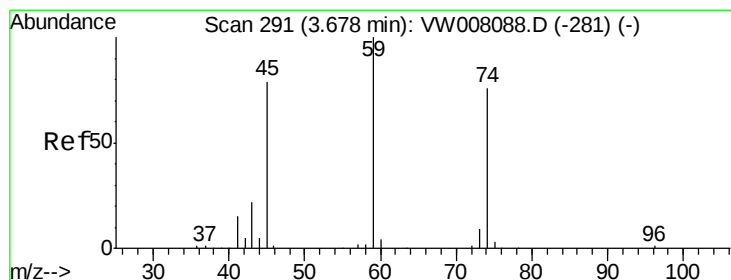
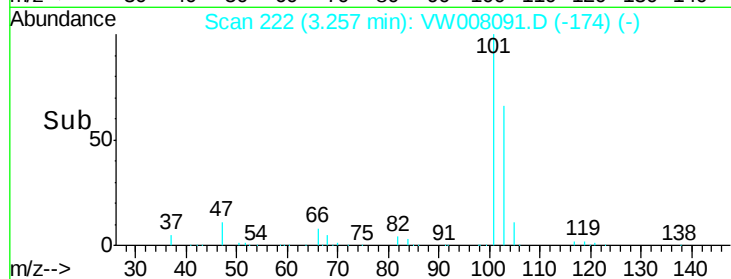
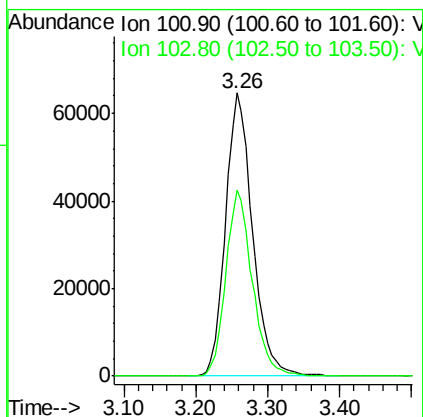
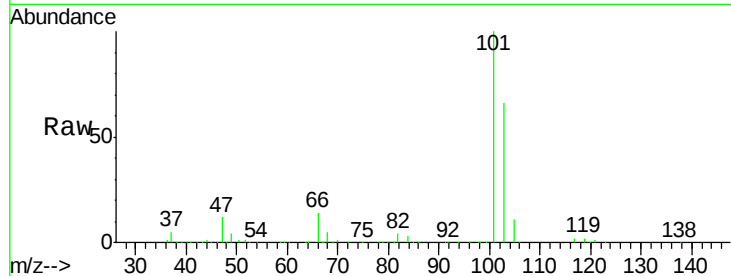


#7

Trichlorofluoromethane
 Concen: 173.972 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
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 VSTDIC150

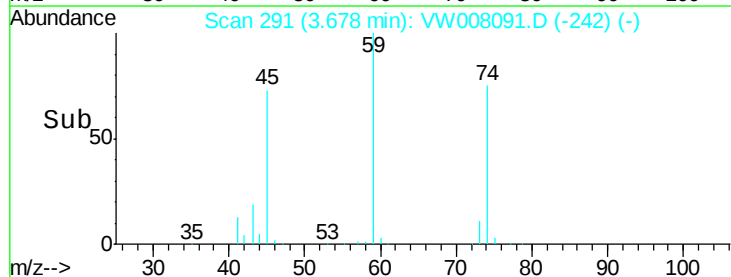
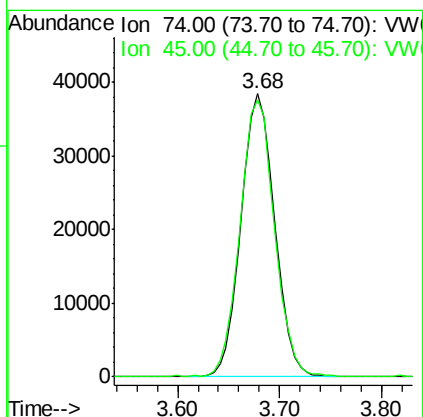
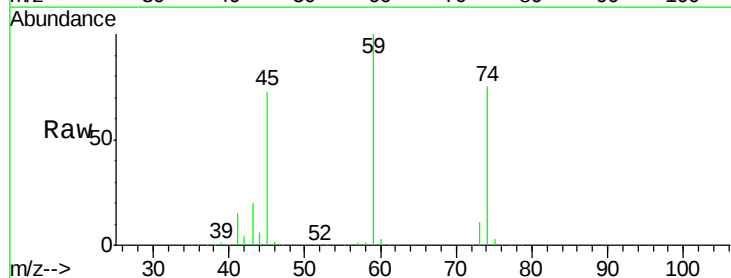
Tot Ion:101 Resp: 169058
 Ion Ratio Lower Upper
 101 100
 103 65.6 47.0 70.6

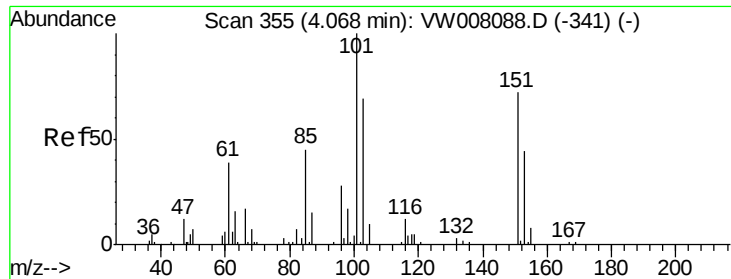


#8

Diethyl Ether
 Concen: 173.045 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 74 Resp: 88170
 Ion Ratio Lower Upper
 74 100
 45 100.0 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.560 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

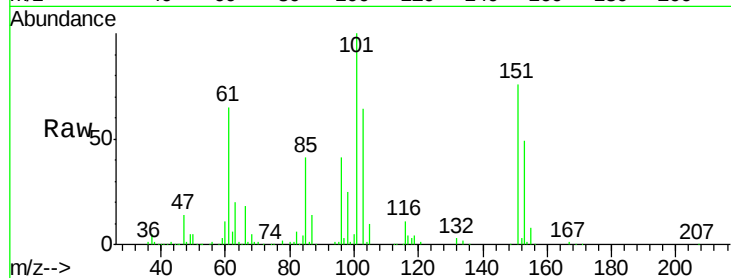
Tot Ion:101 Resp: 161685

Ion Ratio Lower Upper

101 100

85 44.5 35.9 53.9

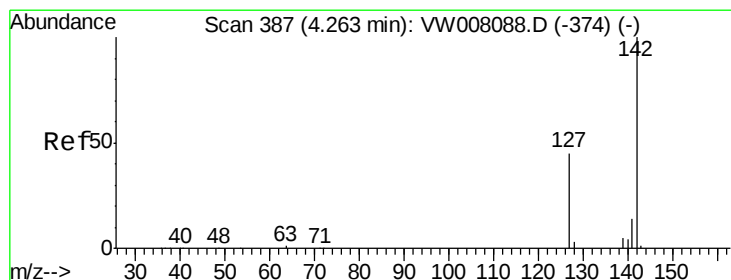
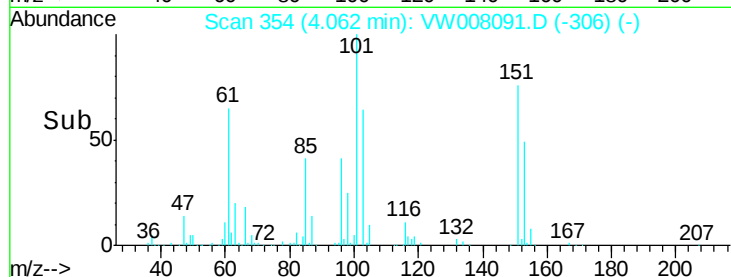
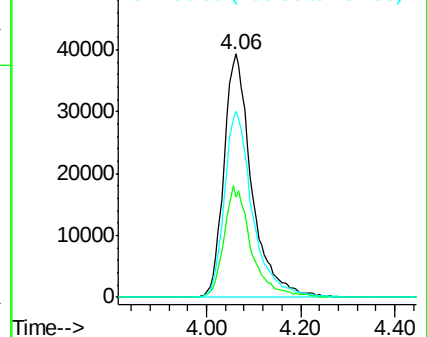
151 77.0 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 145.577 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

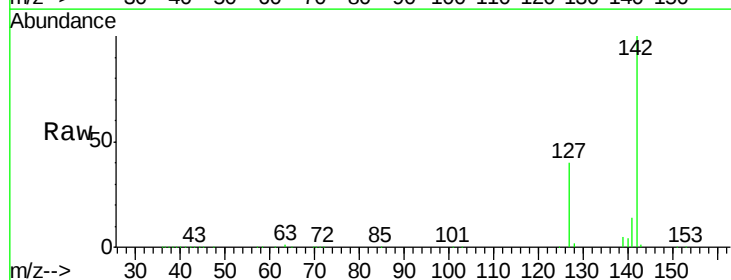
Tgt Ion:142 Resp: 257186

Ion Ratio Lower Upper

142 100

127 41.2 35.0 52.4

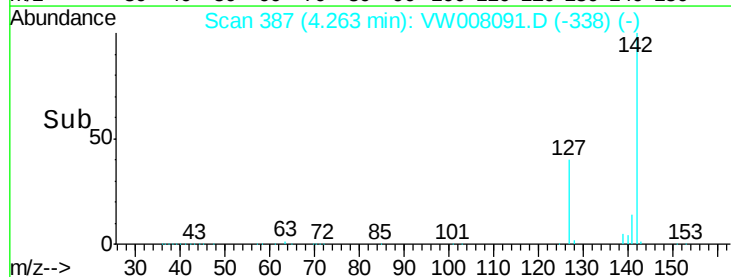
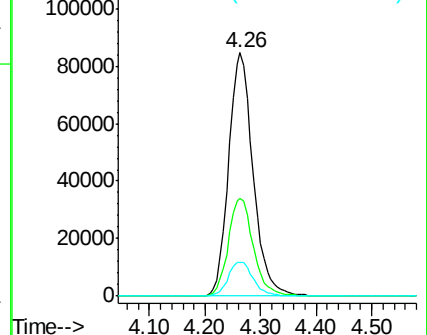
141 14.5 11.8 17.6

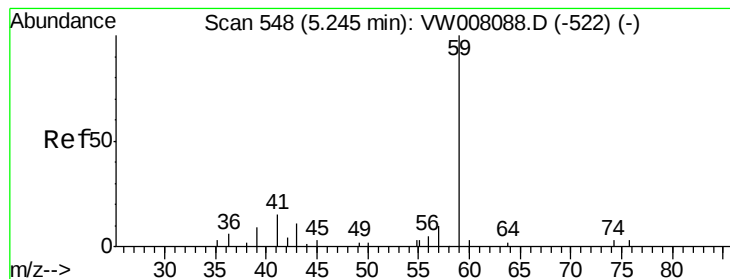


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



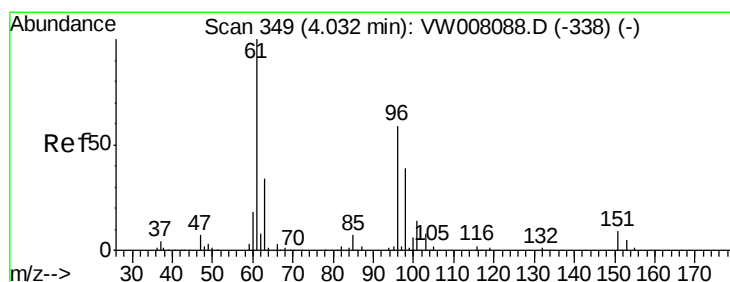
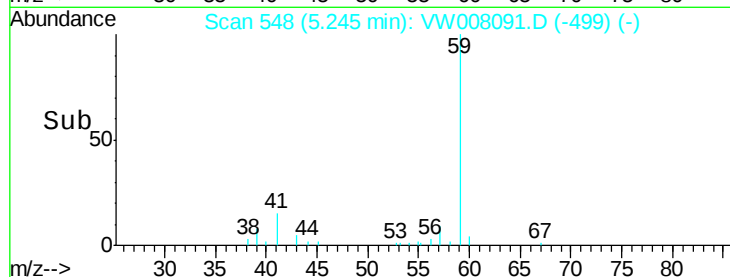
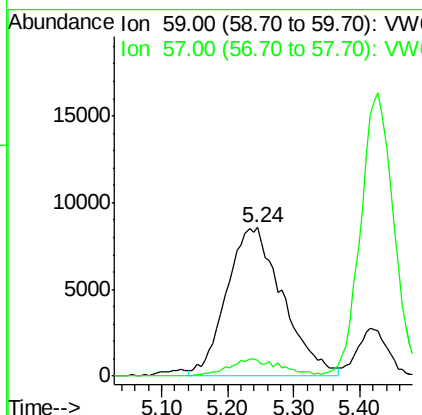
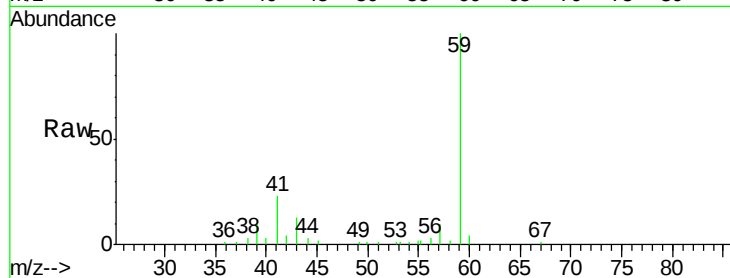


#11

Tert butyl alcohol
 Concen: 651.438 ug/l
 RT: 5.24 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

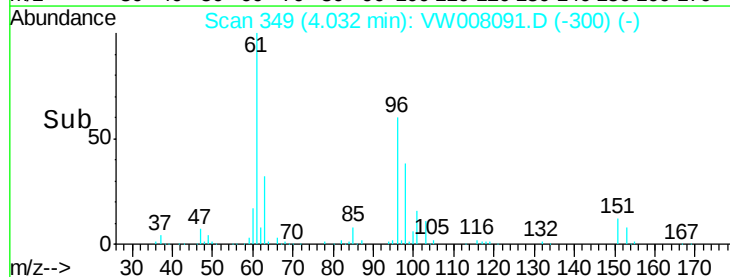
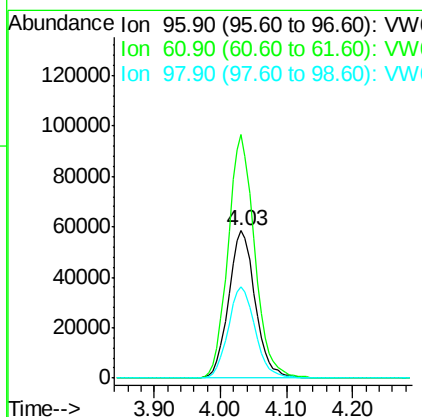
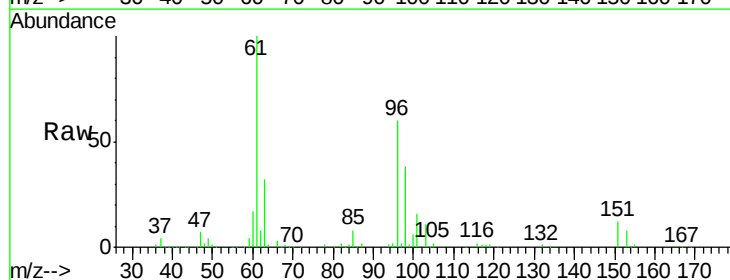
Tot Ion: 59 Resp: 50428
 Ion Ratio Lower Upper
 59 100
 57 7.1 0.0 0.0#

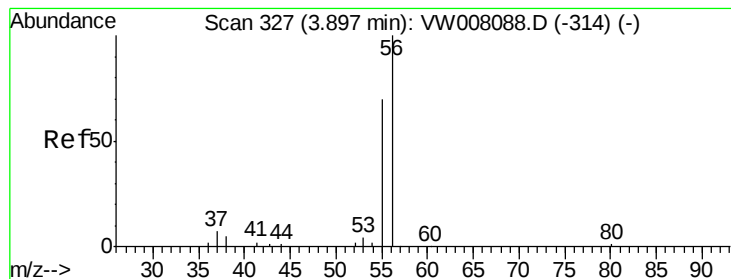


#12

1,1-Dichloroethene
 Concen: 152.113 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 96 Resp: 163463
 Ion Ratio Lower Upper
 96 100
 61 165.6 135.4 203.2
 98 62.2 52.5 78.7





#13

Acrolein

Concen: 994.197 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

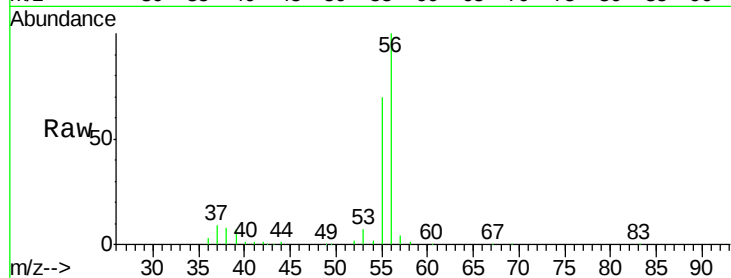
VSTDIC150

Tot Ion: 56 Resp: 56904

Ion Ratio Lower Upper

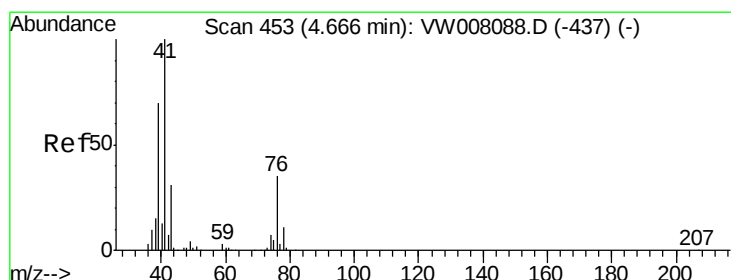
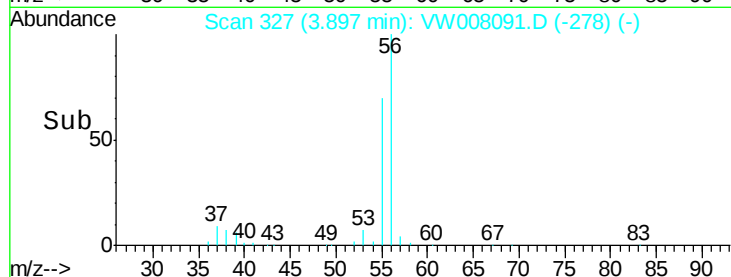
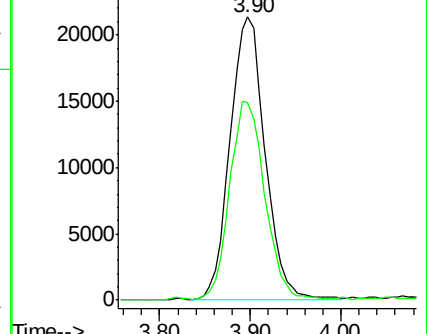
56 100

55 70.0 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 190.097 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

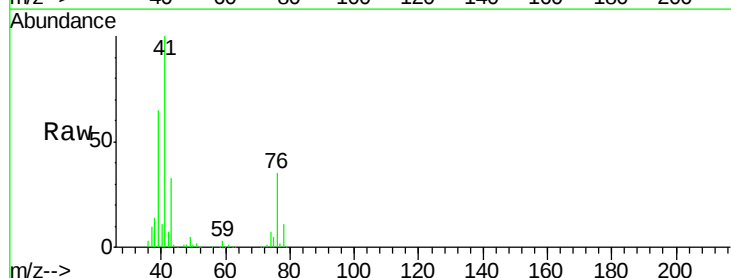
Tgt Ion: 41 Resp: 293388

Ion Ratio Lower Upper

41 100

39 64.4 53.8 80.8

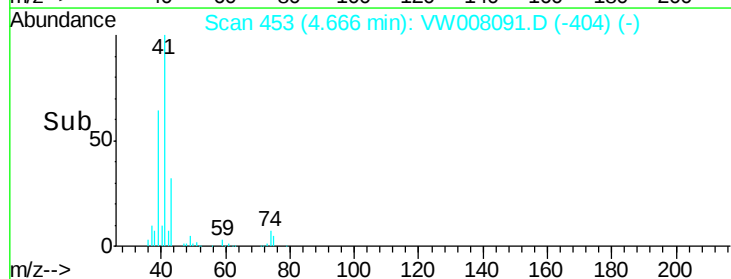
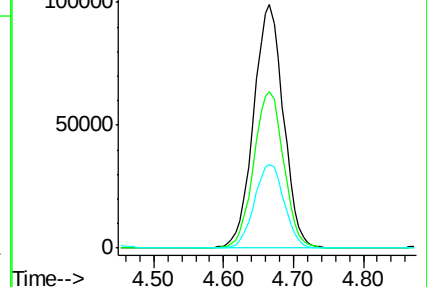
76 34.6 27.6 41.4

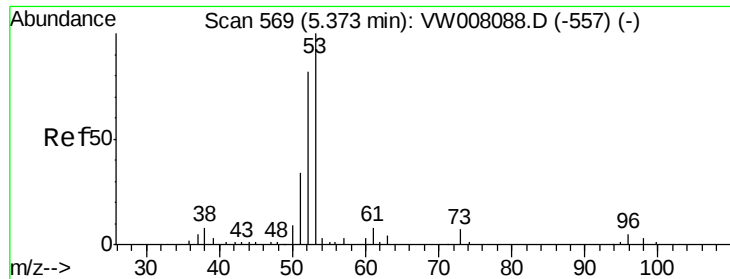


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 944.456 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

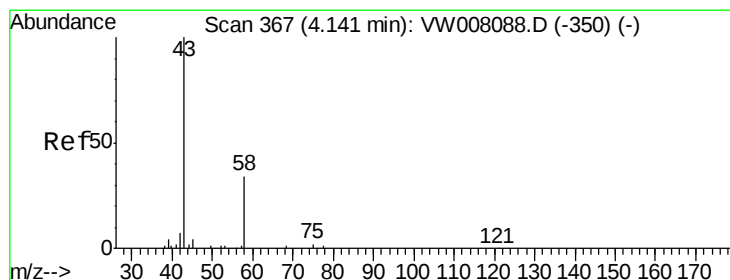
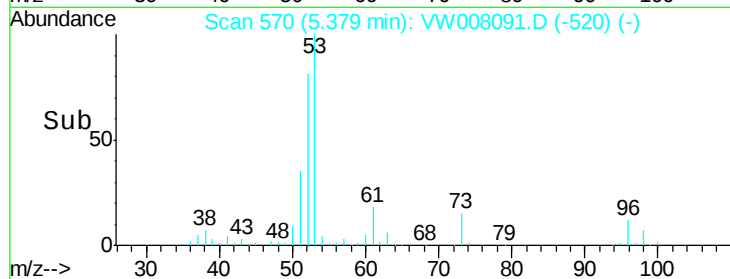
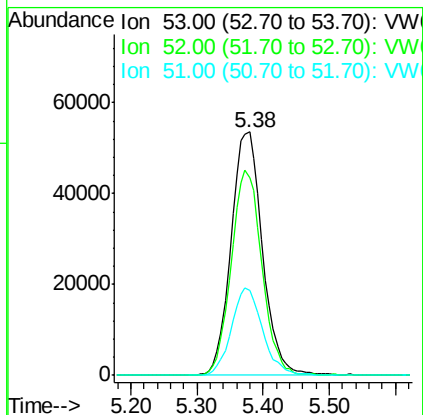
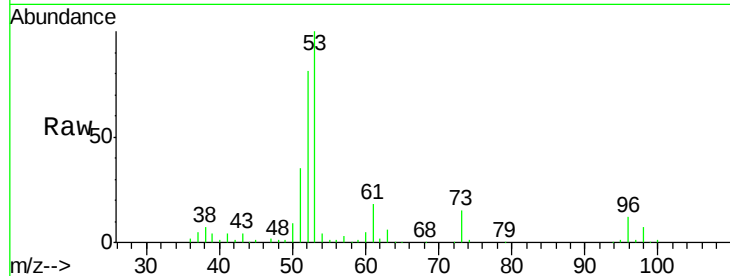
Tot Ion: 53 Resp: 176868

Ion Ratio Lower Upper

53 100

52 82.1 66.8 100.2

51 35.4 29.7 44.5



#16

Acetone

Concen: 805.225 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008091.D

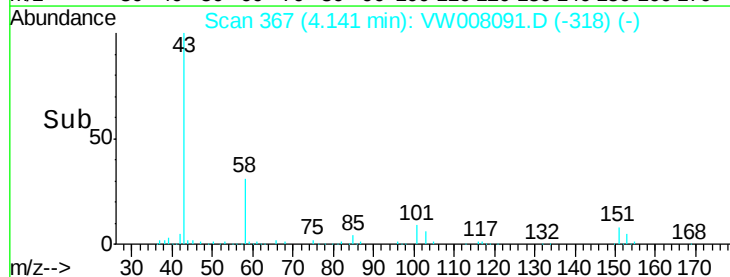
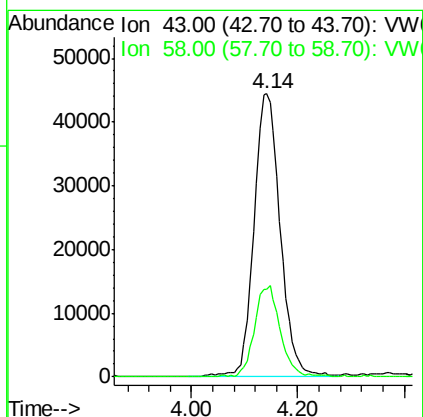
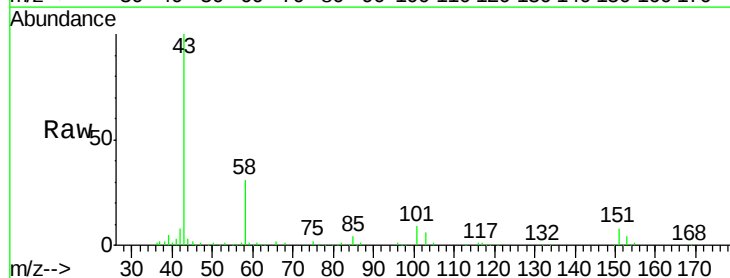
Acq: 08 Jan 2019 17:55

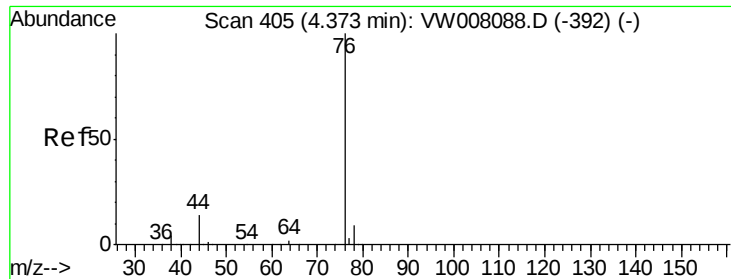
Tgt Ion: 43 Resp: 151315

Ion Ratio Lower Upper

43 100

58 30.8 27.5 41.3

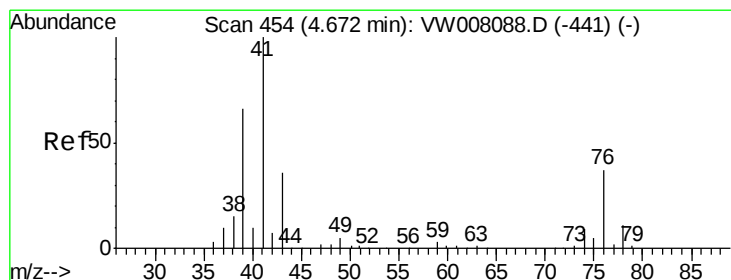
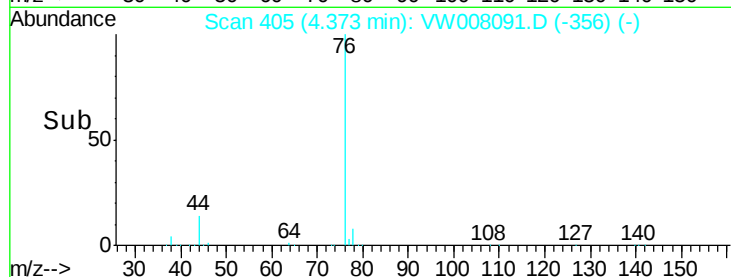
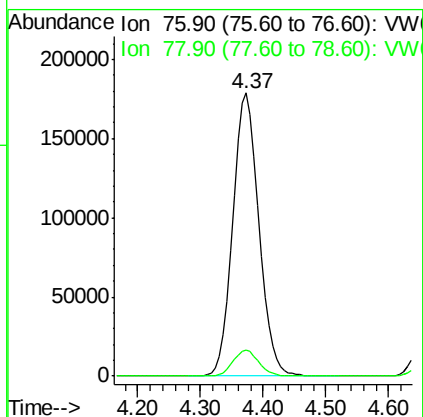
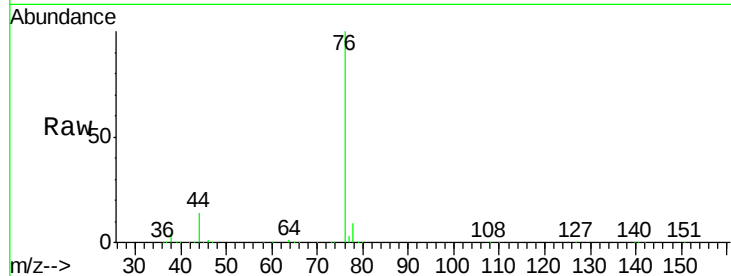




#17
Carbon Disulfide
Concen: 156.477 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

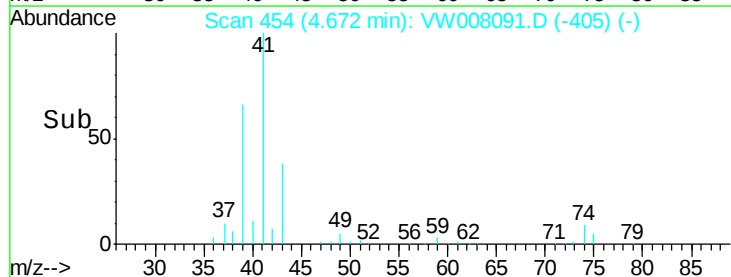
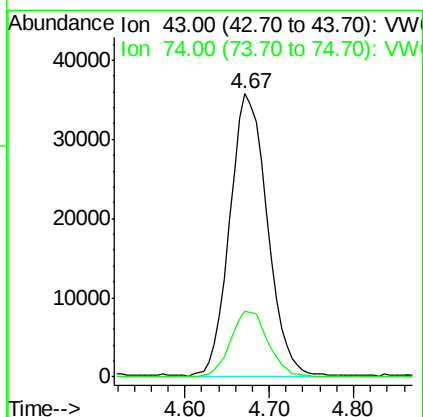
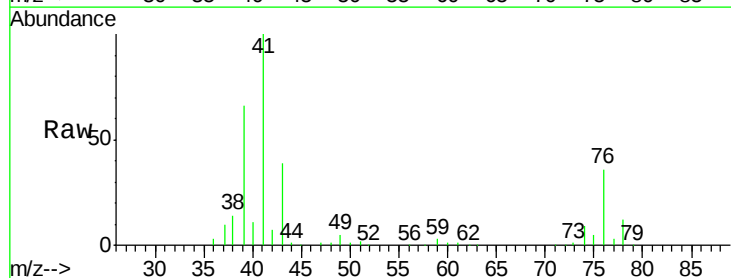
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 514604
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 209.099 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 43 Resp: 107638
Ion Ratio Lower Upper
43 100
74 23.4 19.0 28.4

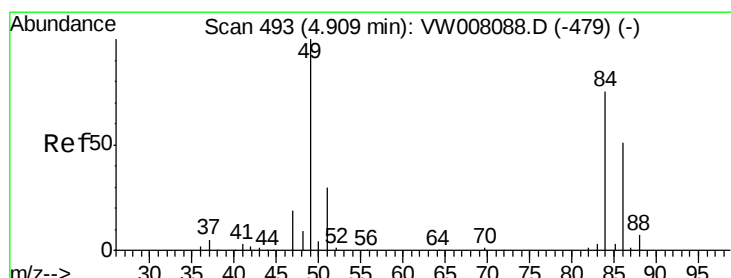
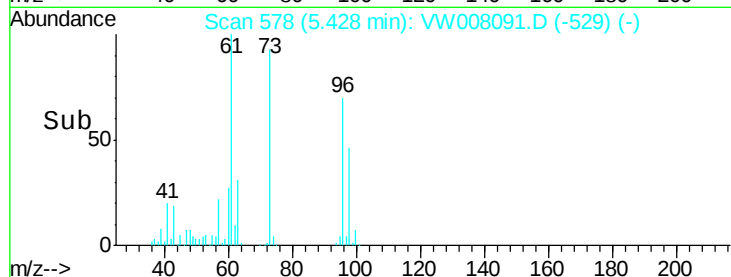
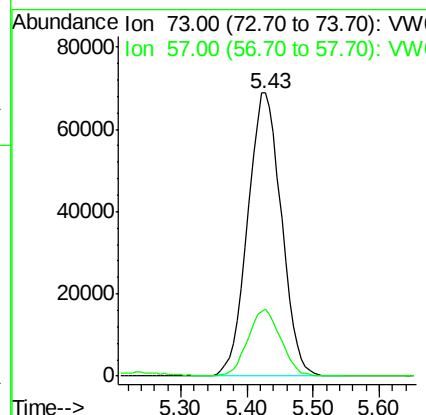
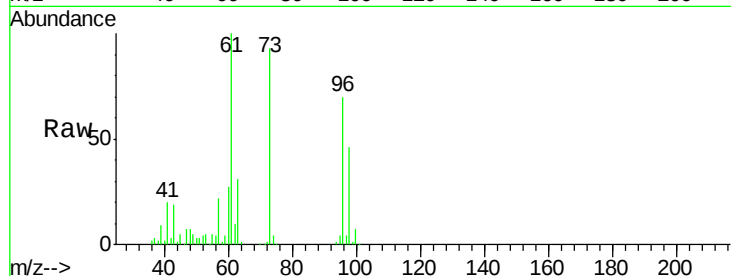




#19
Methyl tert-butyl Ether
Concen: 144.027 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

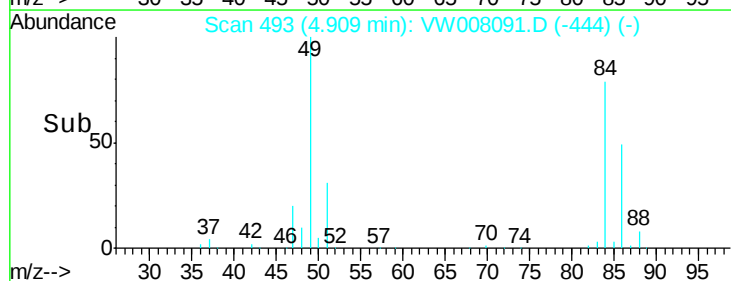
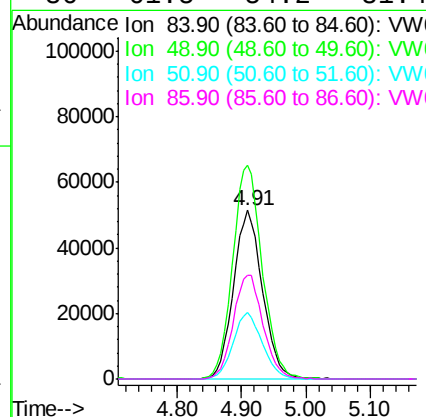
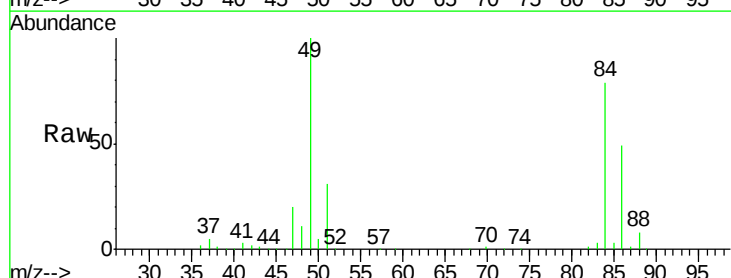
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

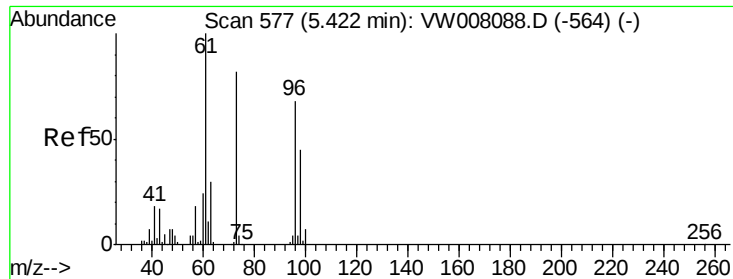
Tot Ion: 73 Resp: 243867
Ion Ratio Lower Upper
73 100
57 23.7 16.7 25.1



#20
Methylene Chloride
Concen: 128.493 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 84 Resp: 162021
Ion Ratio Lower Upper
84 100
49 126.6 107.1 160.7
51 39.2 32.4 48.6
86 61.5 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 144.706 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

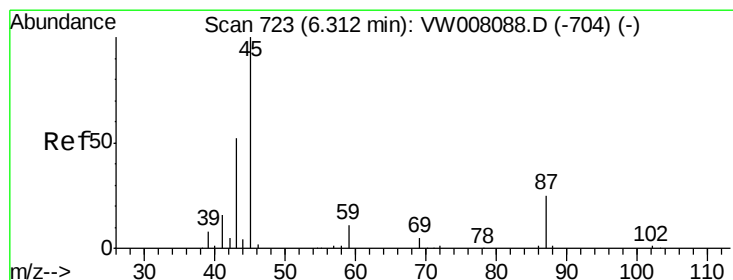
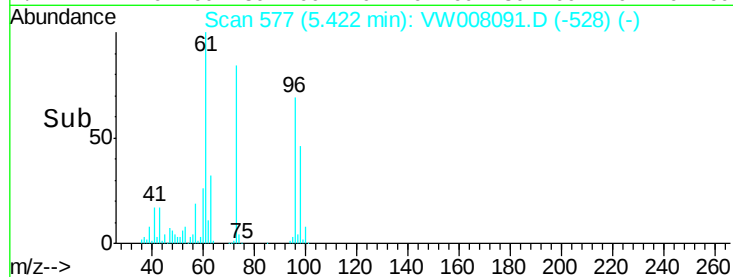
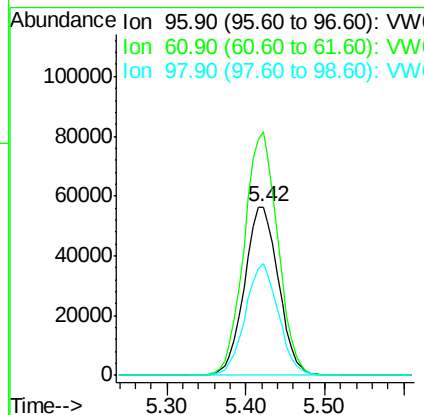
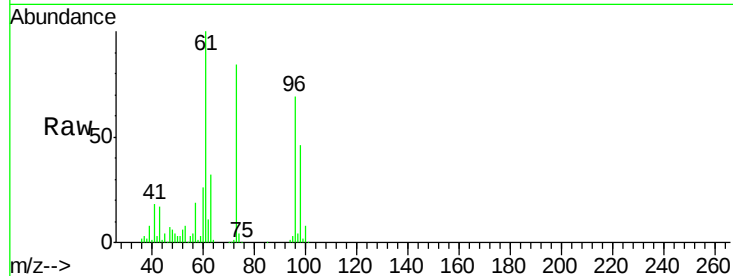
Tot Ion: 96 Resp: 169044

Ion Ratio Lower Upper

96 100

61 144.2 117.4 176.0

98 66.0 52.2 78.4



#22

Diisopropyl ether

Concen: 191.088 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion: 45 Resp: 533699

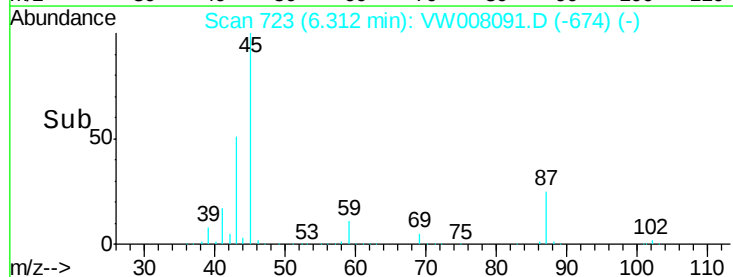
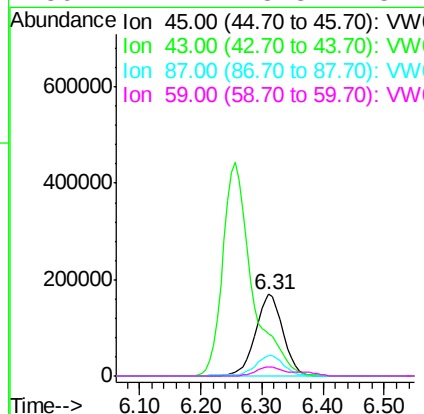
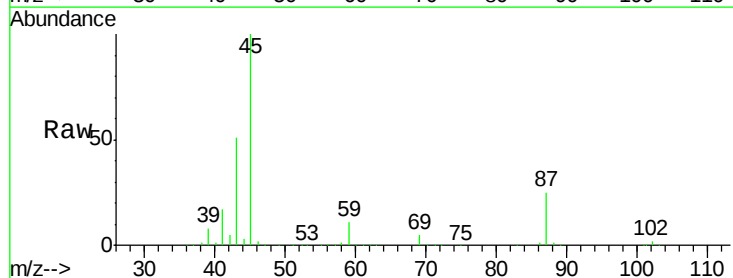
Ion Ratio Lower Upper

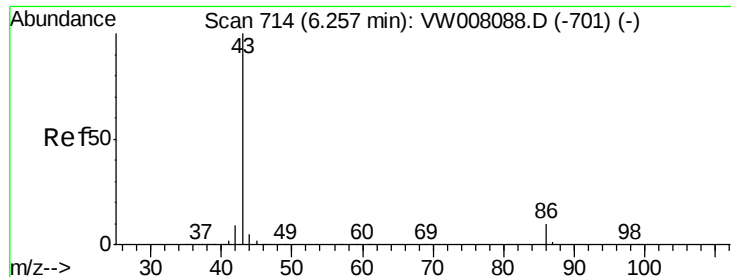
45 100

43 51.2 41.7 62.5

87 25.4 20.1 30.1

59 11.4 8.8 13.2





#23

Vinyl Acetate

Concen: 952.873 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

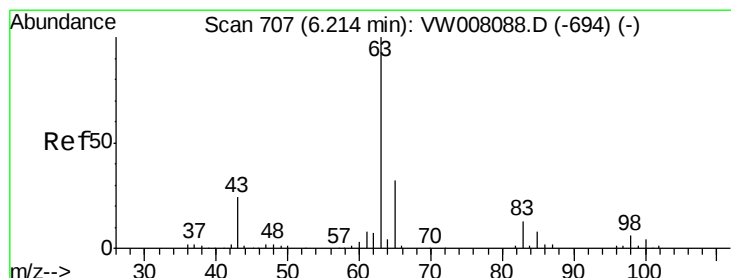
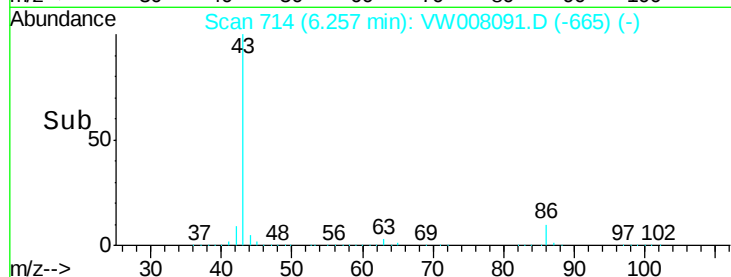
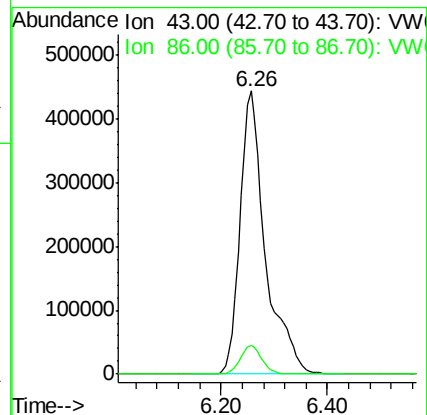
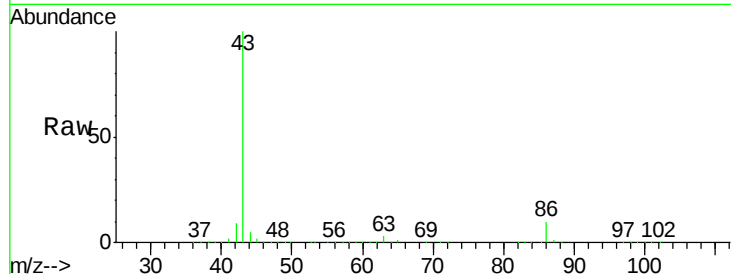
VSTDIC150

Tot Ion: 43 Resp: 1469980

Ion Ratio Lower Upper

43 100

86 10.2 7.7 11.5



#24

1,1-Dichloroethane

Concen: 156.337 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

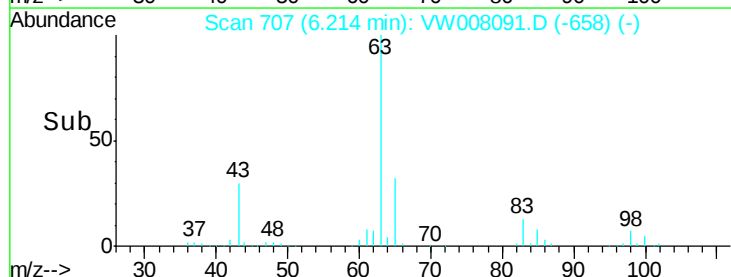
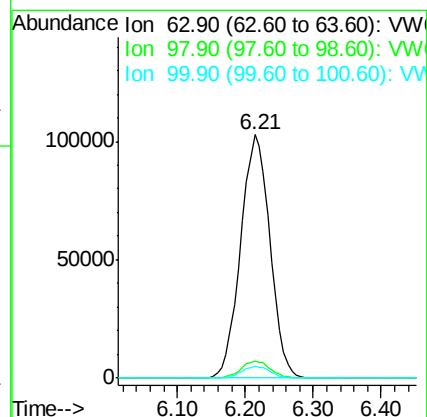
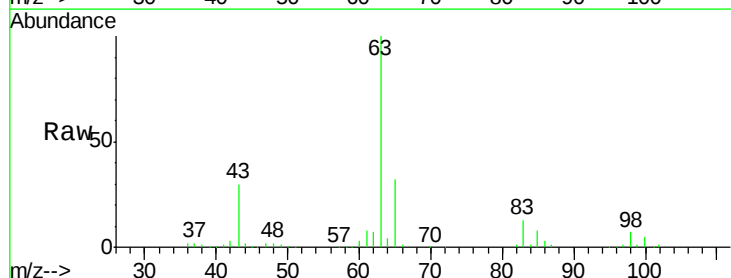
Tgt Ion: 63 Resp: 308265

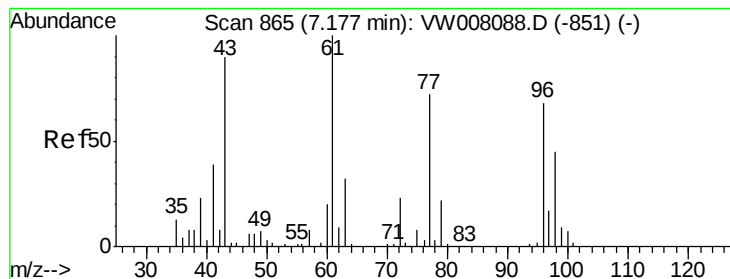
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 942.533 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

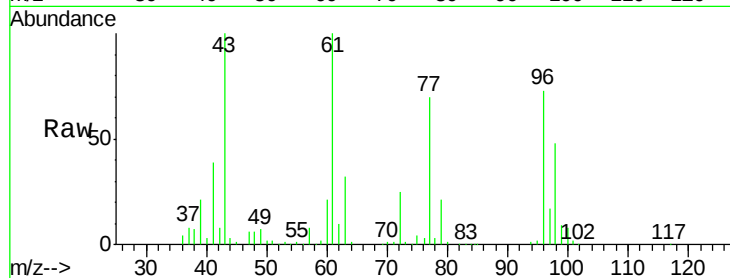
VSTDIC150

Tot Ion: 43 Resp: 216334

Ion Ratio Lower Upper

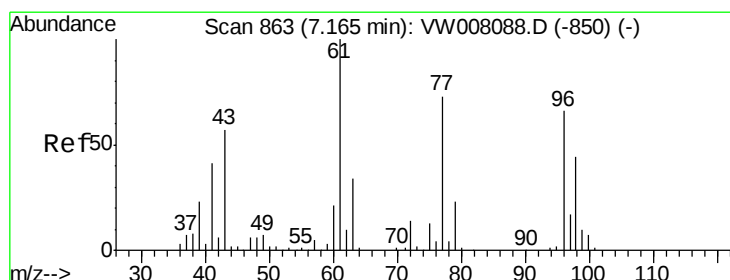
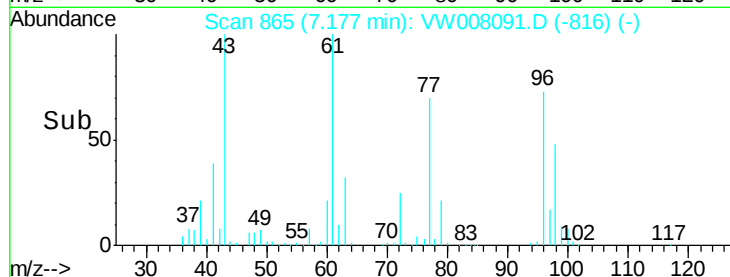
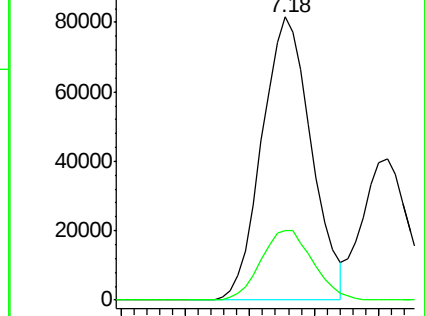
43 100

72 24.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 123.535 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008091.D

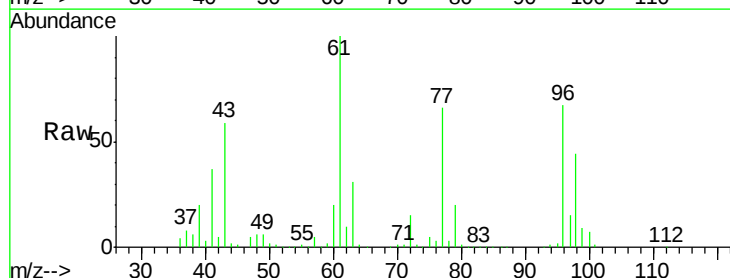
Acq: 08 Jan 2019 17:55

Tgt Ion: 77 Resp: 194180

Ion Ratio Lower Upper

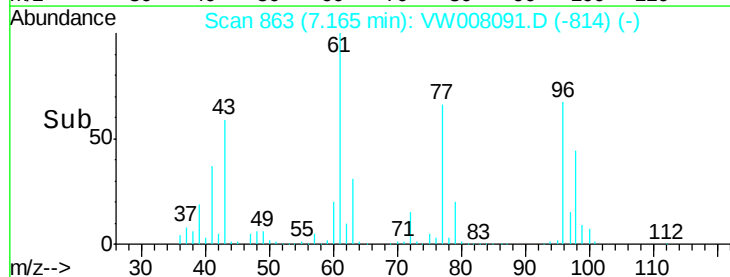
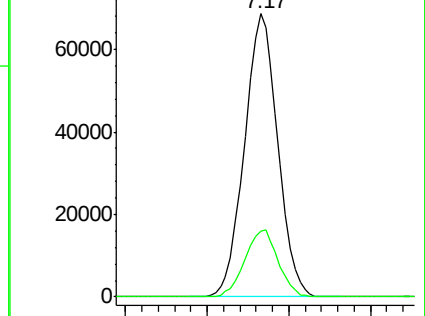
77 100

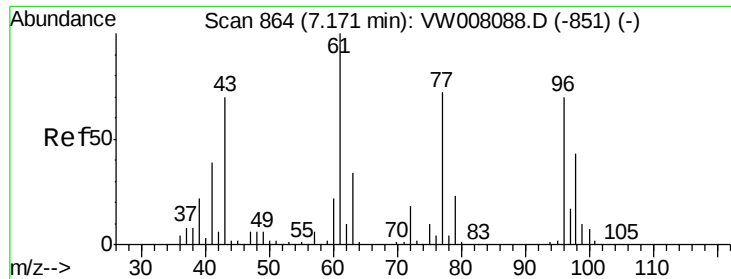
97 23.8 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

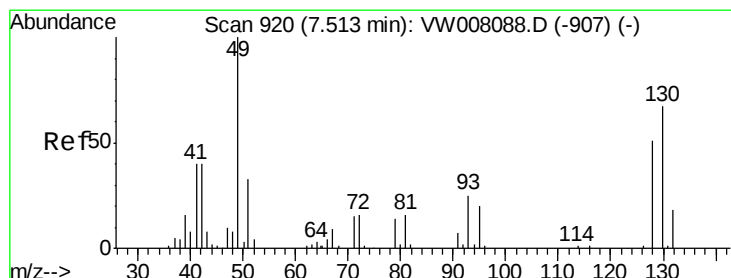
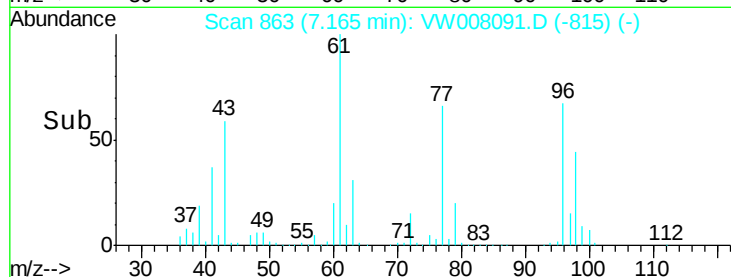
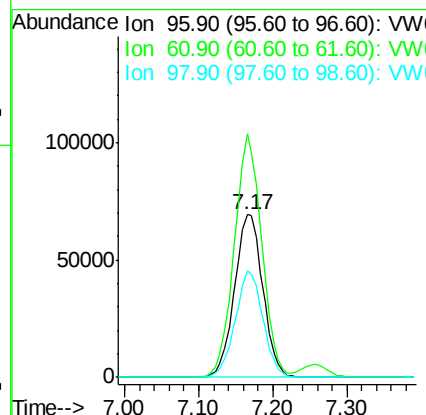
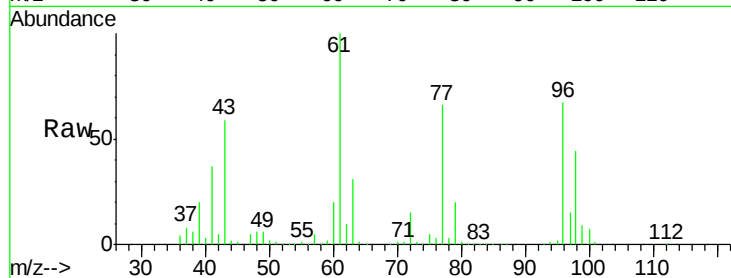




#27
 cis-1,2-Dichloroethene
 Concen: 147.531 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

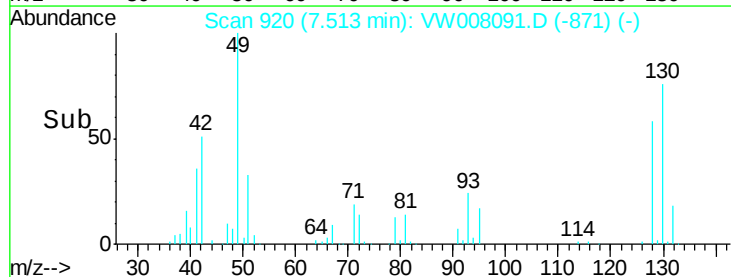
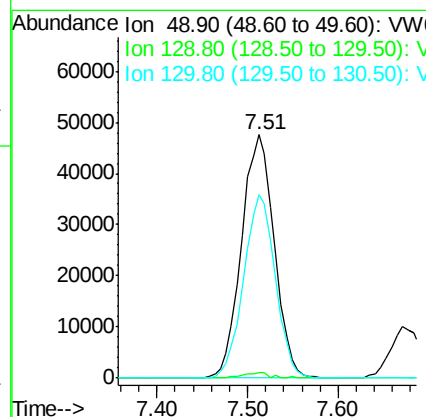
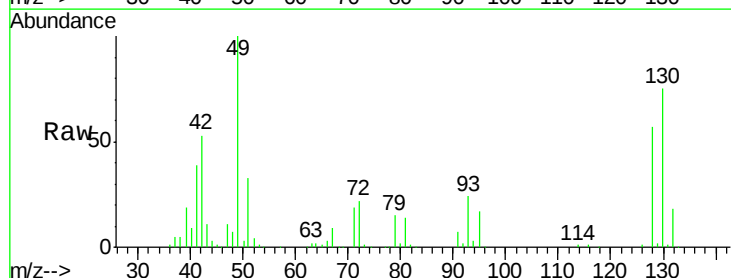
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

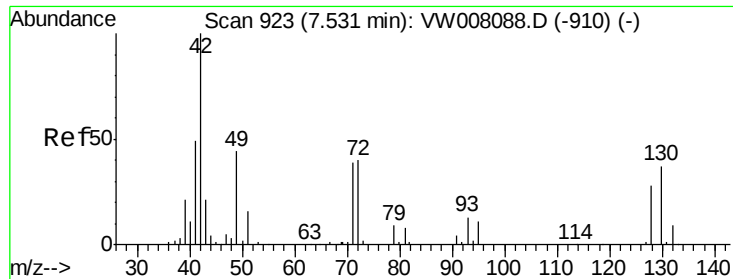
Tot Ion: 96 Resp: 184063
 Ion Ratio Lower Upper
 96 100
 61 145.1 0.0 300.4
 98 64.1 0.0 128.4



#28
 Bromochloromethane
 Concen: 177.335 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 49 Resp: 118850
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 2.8
 130 73.1 54.3 81.5

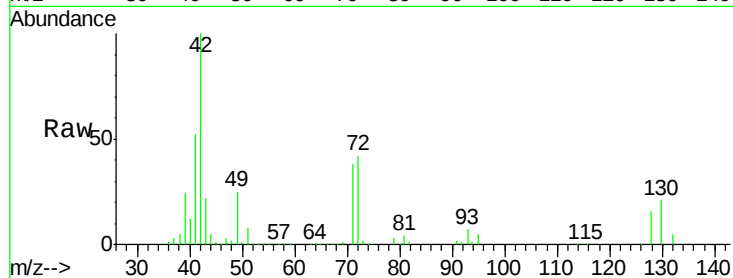




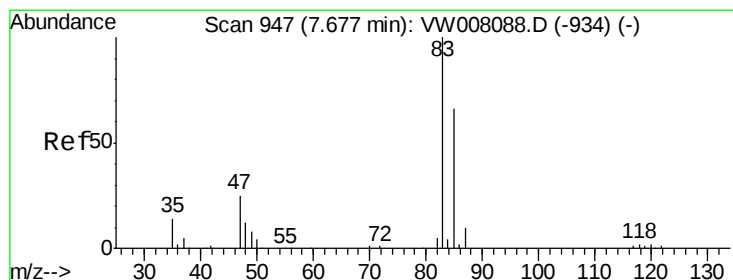
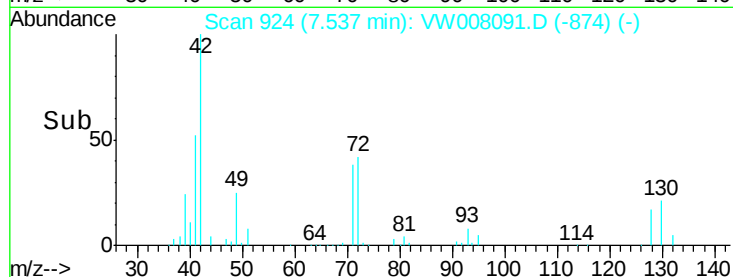
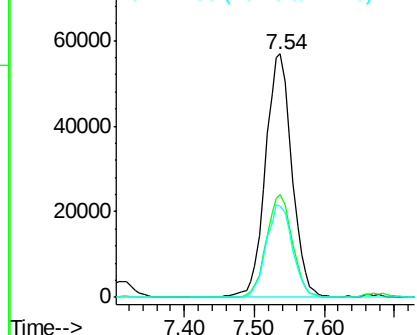
#29
Tetrahydrofuran
Concen: 1021.237 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 149045
Ion Ratio Lower Upper
42 100
72 41.7 32.4 48.6
71 38.0 31.3 46.9

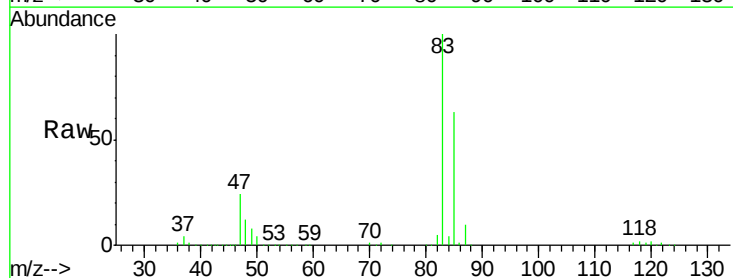


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

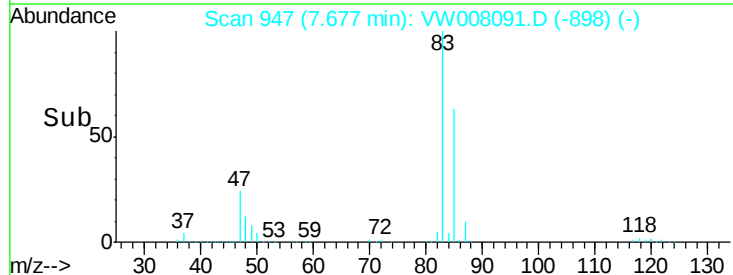
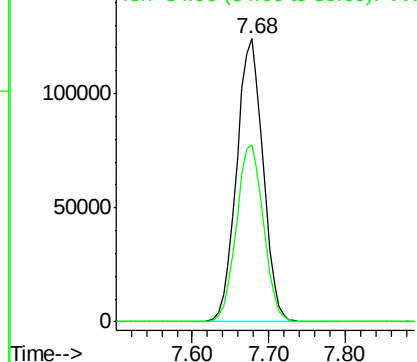


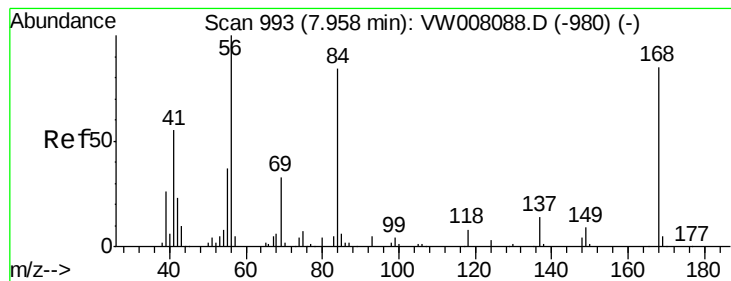
#30
Chloroform
Concen: 137.389 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 83 Resp: 296160
Ion Ratio Lower Upper
83 100
85 62.5 53.2 79.8



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





#31

Cyclohexane

Concen: 162.034 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

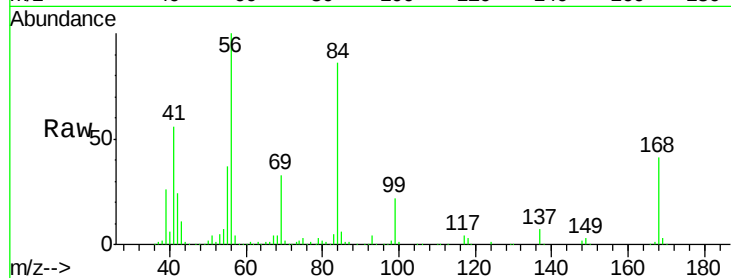
Tot Ion: 56 Resp: 306790

Ion Ratio Lower Upper

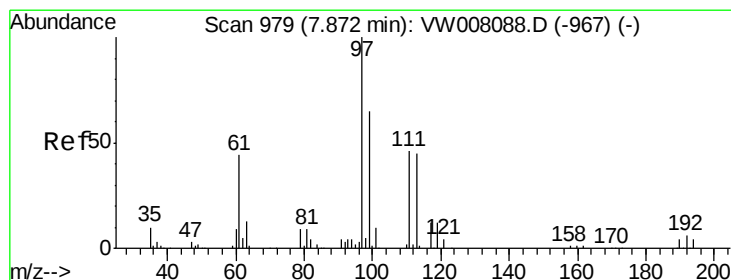
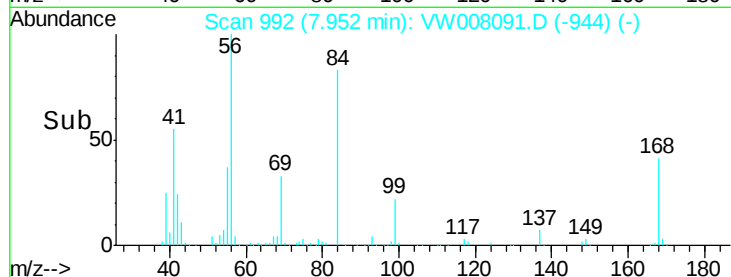
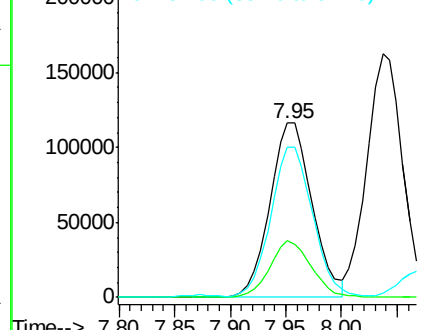
56 100

69 32.7 26.2 39.4

84 85.2 67.4 101.2



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: 126.619 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

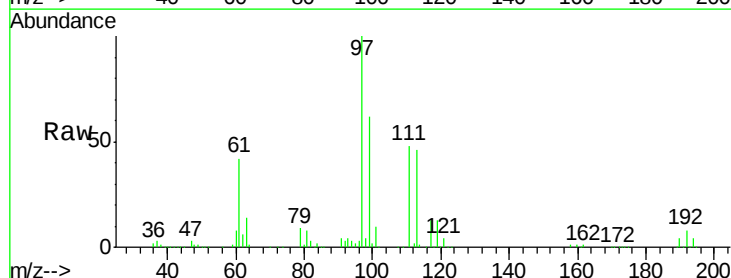
Tgt Ion: 97 Resp: 256494

Ion Ratio Lower Upper

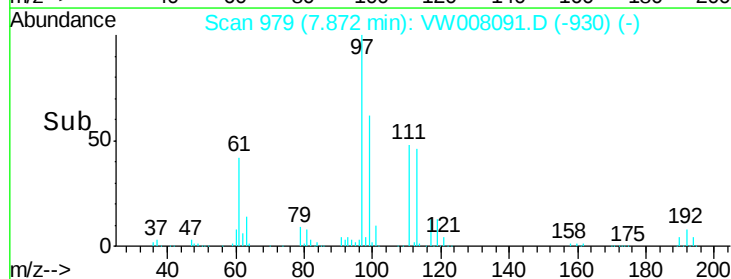
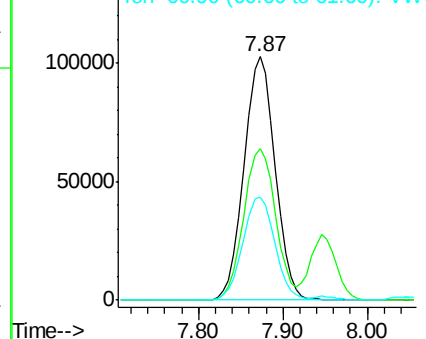
97 100

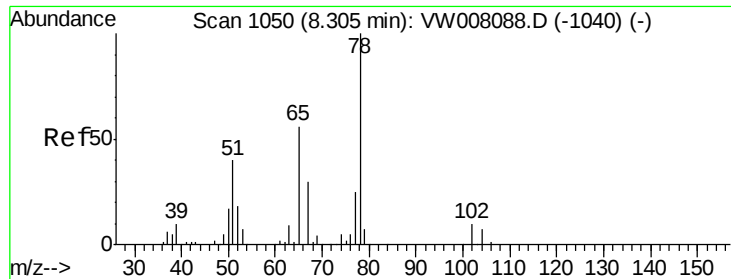
99 64.3 51.4 77.0

61 43.7 35.6 53.4



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: 130.903 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

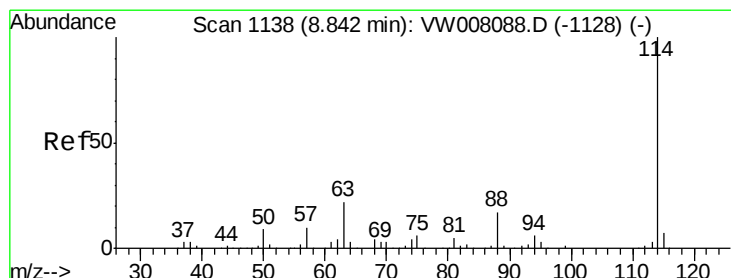
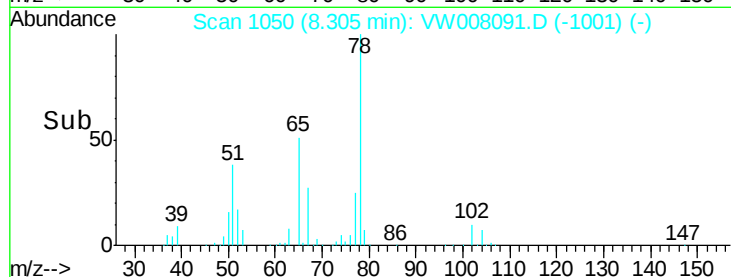
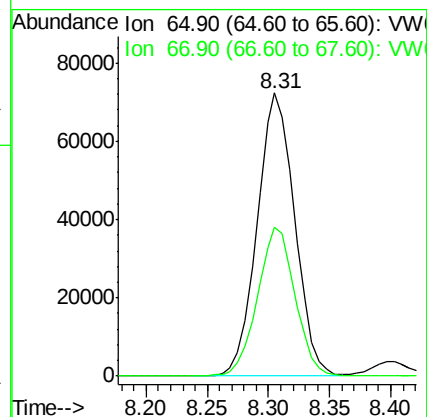
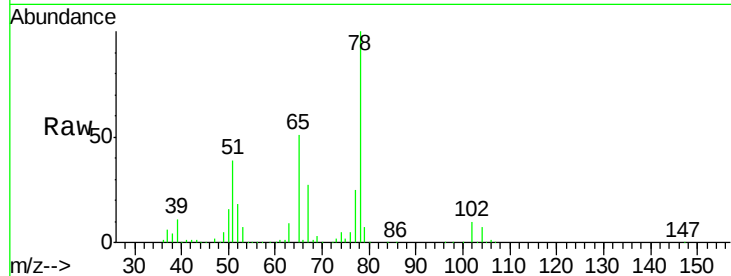
VSTDIC150

Tot Ion: 65 Resp: 154581

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

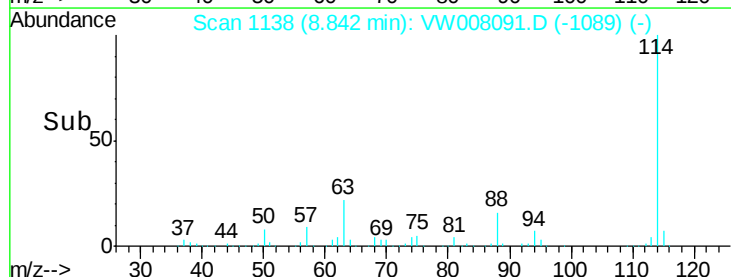
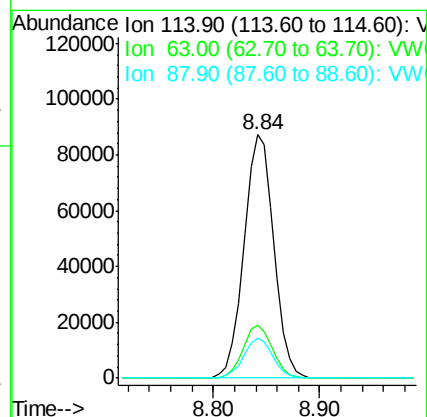
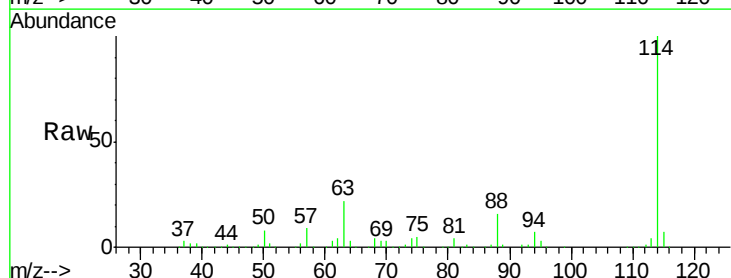
Tgt Ion: 114 Resp: 171263

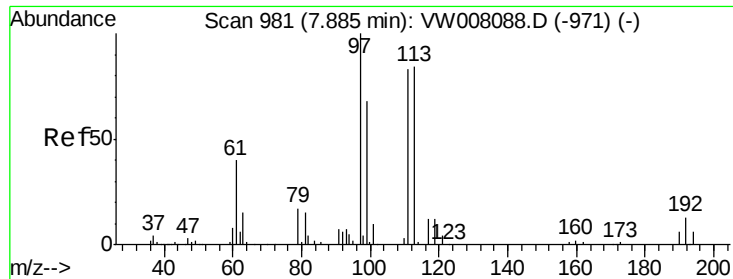
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.2 0.0 33.4

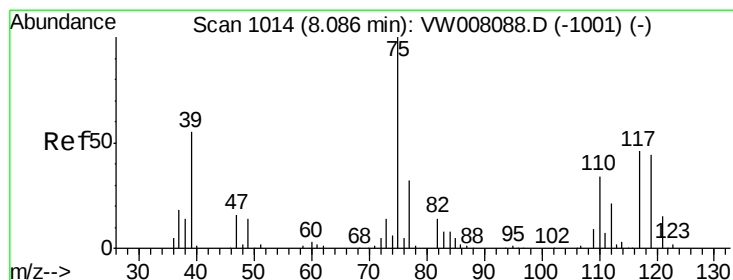
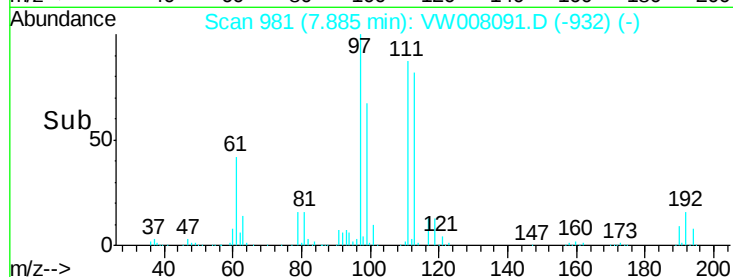
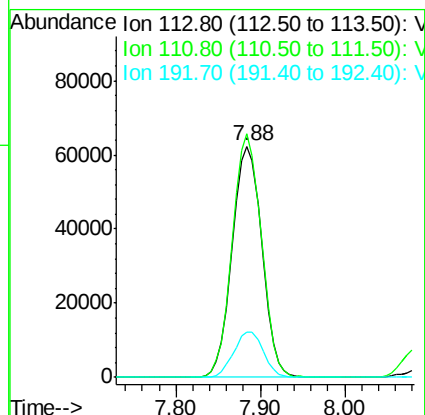
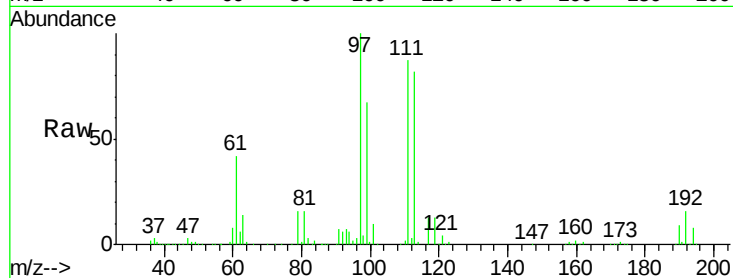




#35
 Dibromofluoromethane
 Concen: 140.194 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

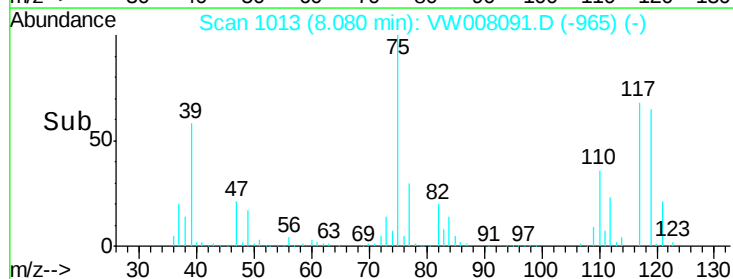
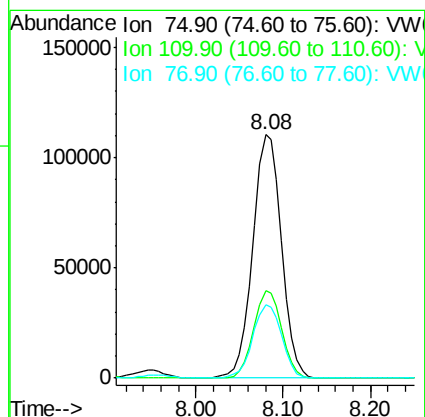
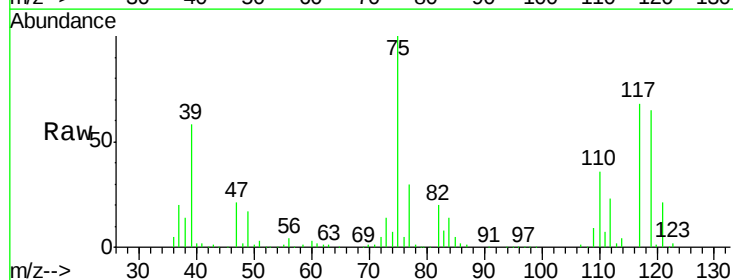
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

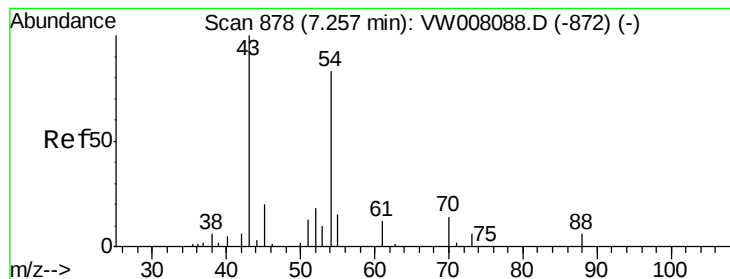
Tot Ion:113 Resp: 148859
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.8
 192 19.6 12.8 19.2#



#36
 1,1-Dichloropropene
 Concen: 150.275 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 75 Resp: 251976
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.1 51.3
 77 30.6 25.5 38.3





#37

Ethyl Acetate

Concen: 193.189 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

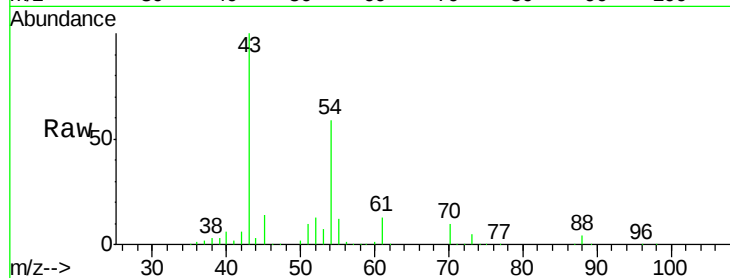
Tot Ion: 43 Resp: 103297

Ion Ratio Lower Upper

43 100

61 12.7 10.6 16.0

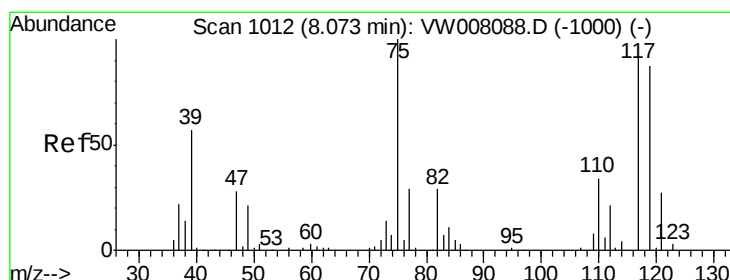
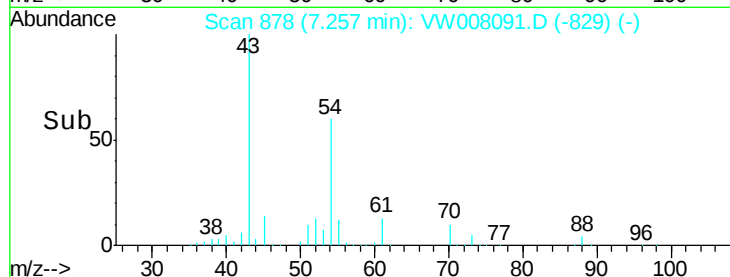
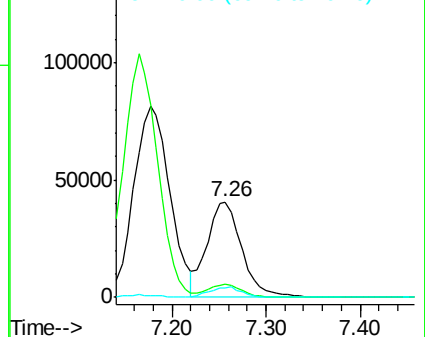
70 10.4 8.9 13.3



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: 124.080 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

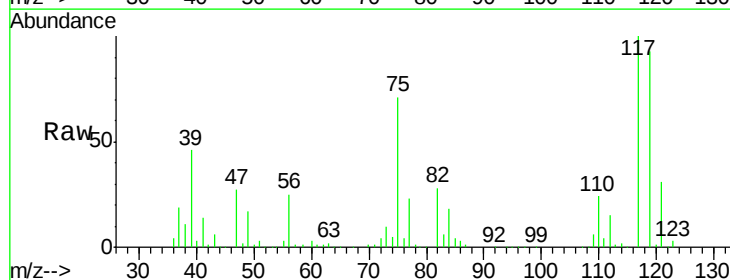
Tgt Ion: 117 Resp: 239522

Ion Ratio Lower Upper

117 100

119 93.0 75.8 113.8

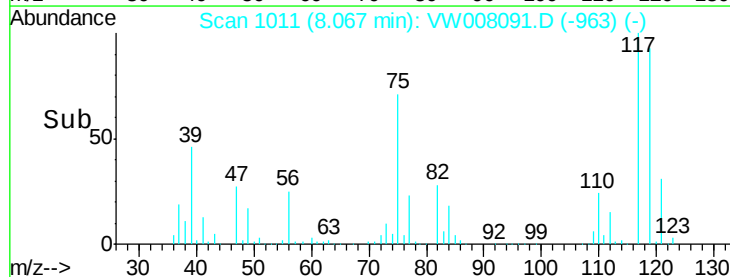
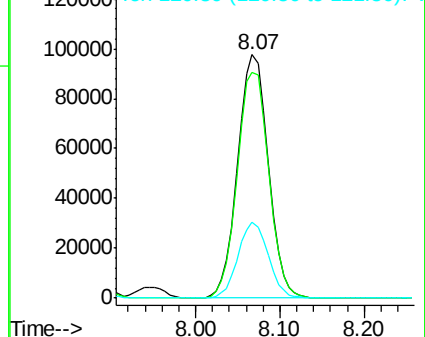
121 31.2 23.7 35.5

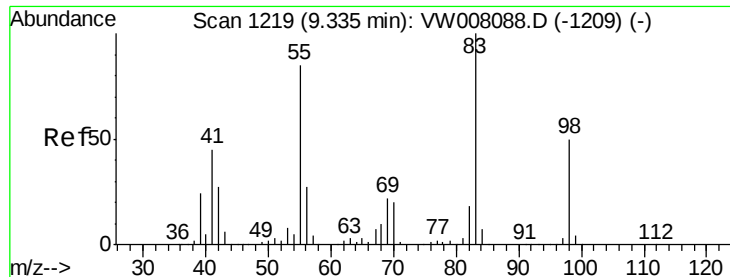


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

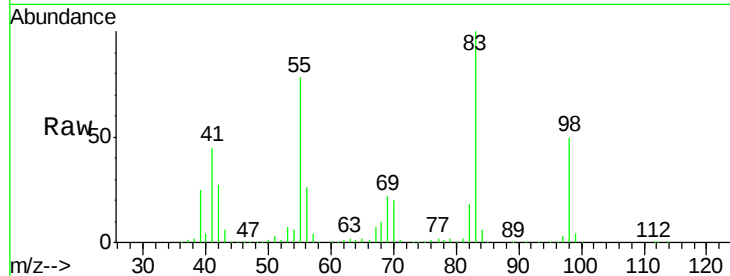




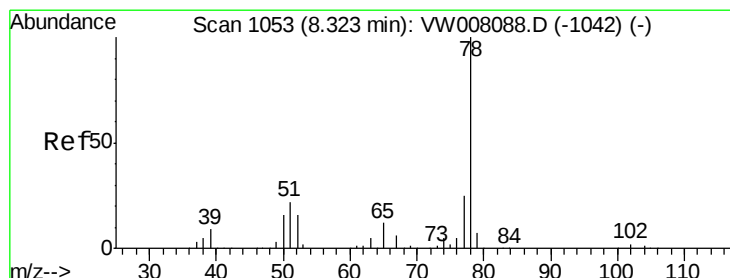
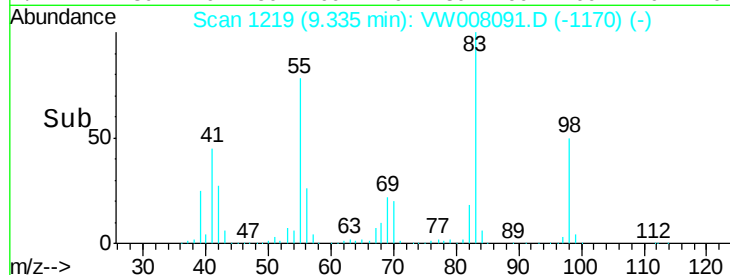
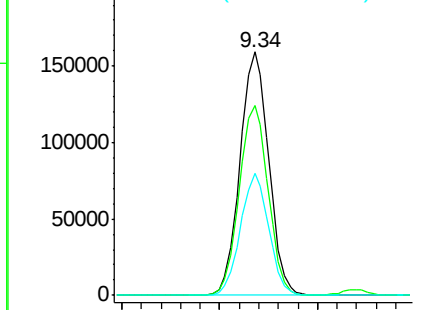
#39
Methvlcvclohexane
Concen: 154.365 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 324372
Ion Ratio Lower Upper
83 100
55 77.9 67.8 101.6
98 49.9 40.2 60.4

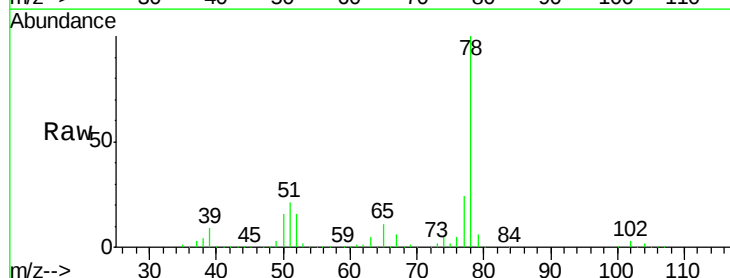


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

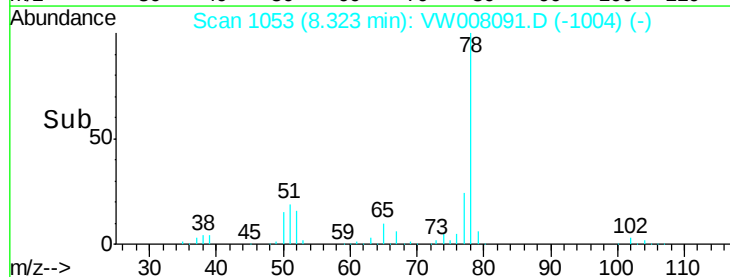
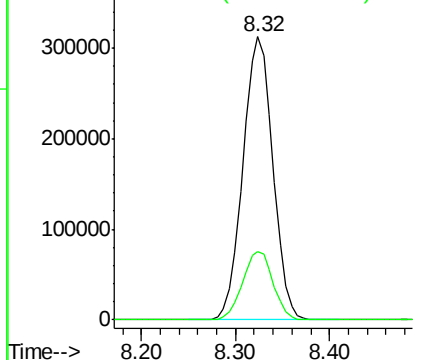


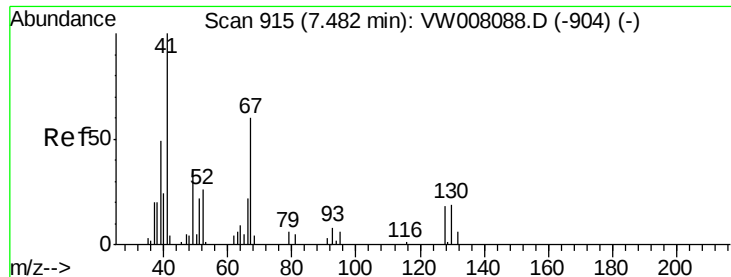
#40
Benzene
Concen: 155.892 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 78 Resp: 694918
Ion Ratio Lower Upper
78 100
77 24.2 20.2 30.4



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





#41

Methacrylonitrile

Concen: 209.053 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 41 Resp: 64110

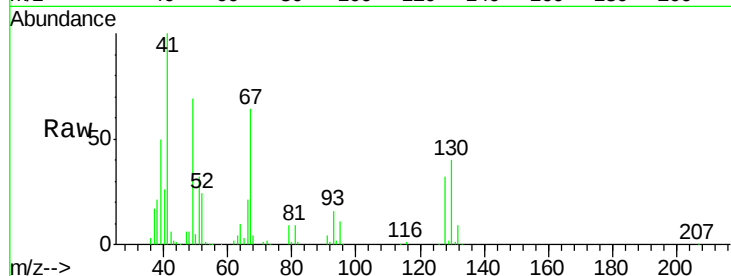
Ion Ratio Lower Upper

41 100

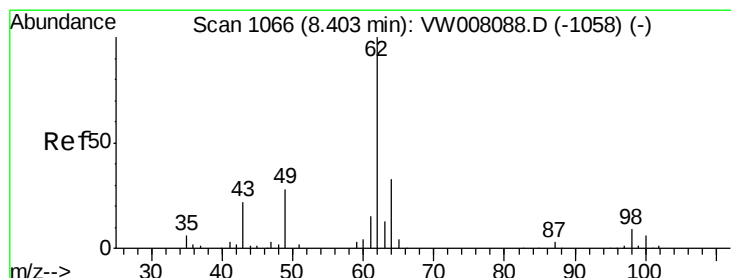
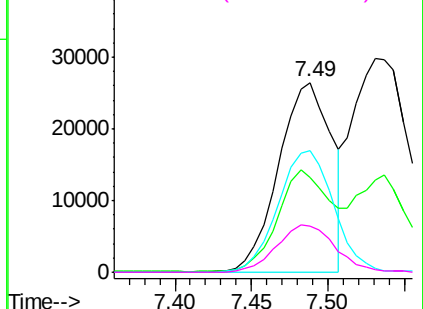
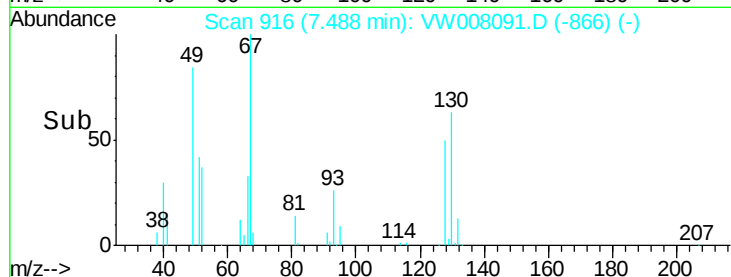
39 57.6 47.9 71.9

67 67.0 56.3 84.5

52 27.4 24.5 36.7



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



#42

1,2-Dichloroethane

Concen: 131.214 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW008091.D

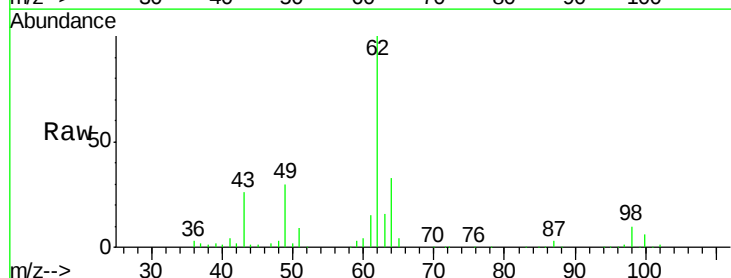
Acq: 08 Jan 2019 17:55

Tgt Ion: 62 Resp: 189451

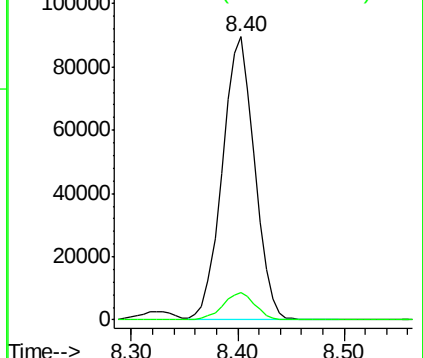
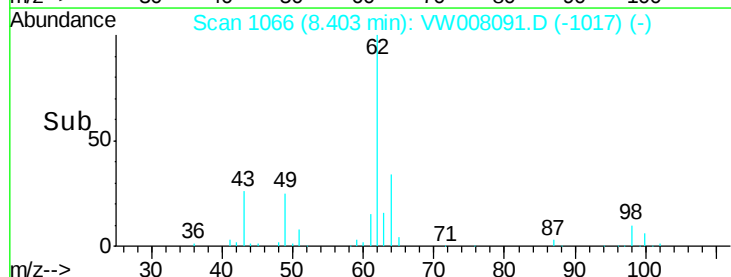
Ion Ratio Lower Upper

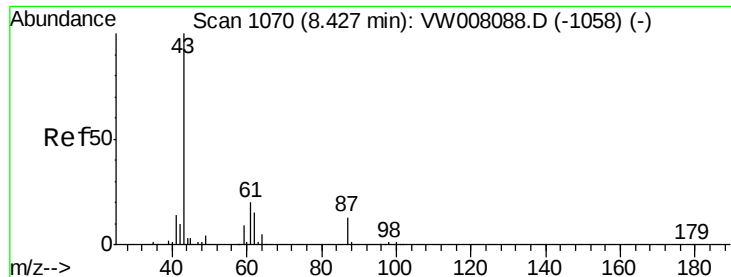
62 100

98 9.7 0.0 18.6



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





#43

Isopropyl Acetate

Concen: 199.992 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

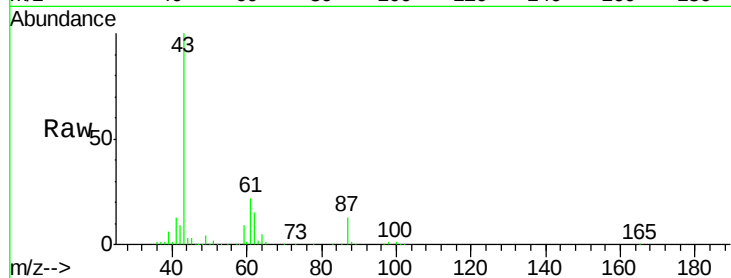
Tot Ion: 43 Resp: 211339

Ion Ratio Lower Upper

43 100

61 30.3 24.8 37.2

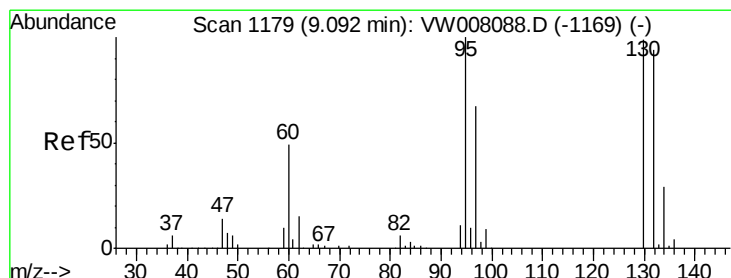
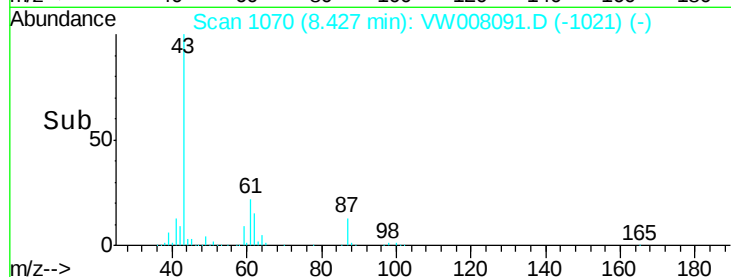
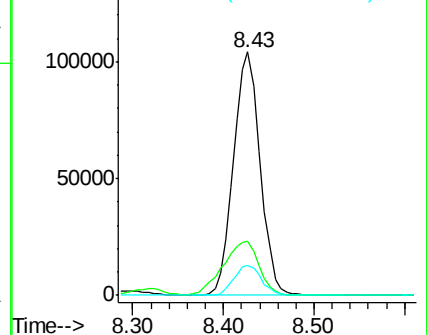
87 12.7 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 143.705 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008091.D

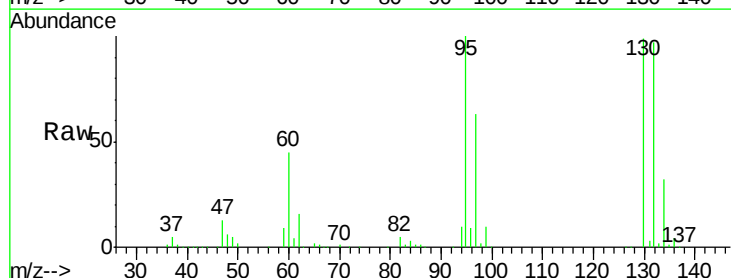
Acq: 08 Jan 2019 17:55

Tgt Ion: 130 Resp: 184174

Ion Ratio Lower Upper

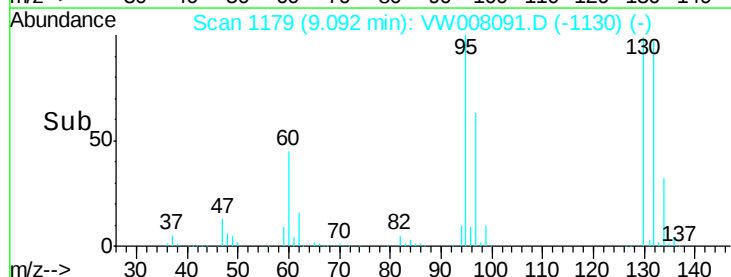
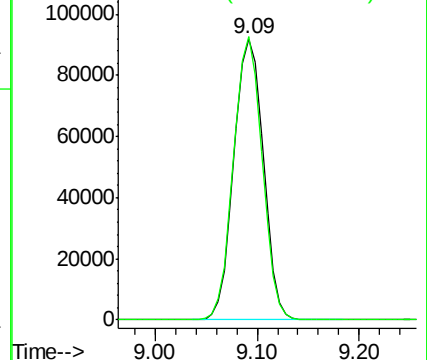
130 100

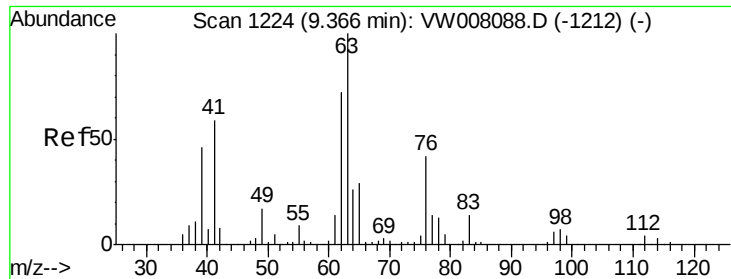
95 100.7 0.0 202.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

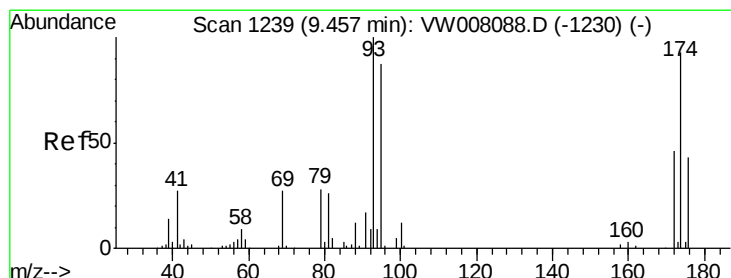
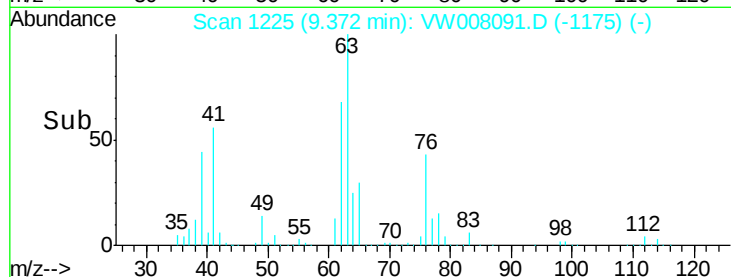
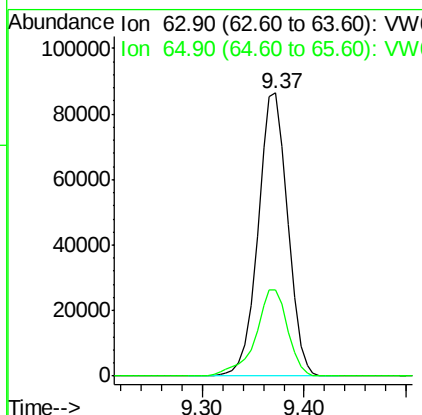
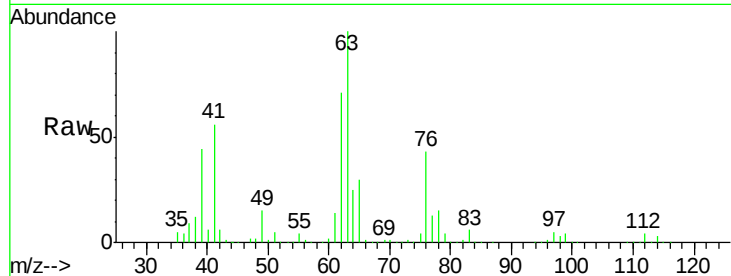




#45
 1,2-Dichloropropane
 Concen: 176.464 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

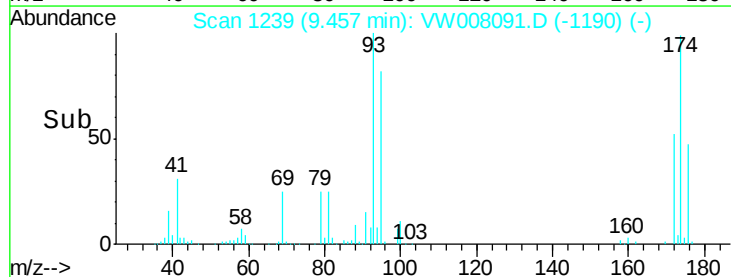
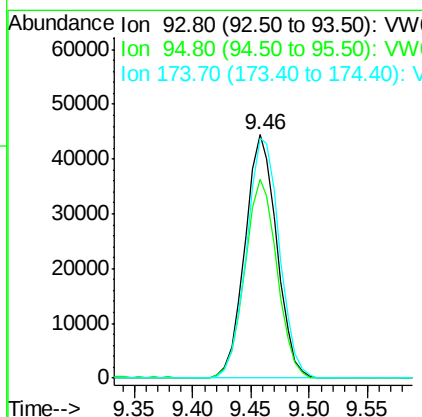
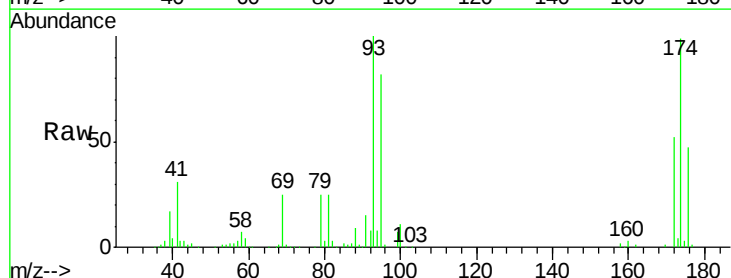
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

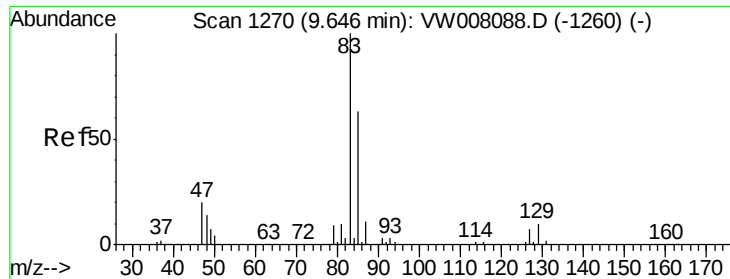
Tot Ion: 63 Resp: 174483
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.3 34.9



#46
 Dibromomethane
 Concen: 151.801 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 93 Resp: 84810
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.5 101.3
 174 102.1 72.5 108.7





#47

Bromodichloromethane

Concen: 142.470 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

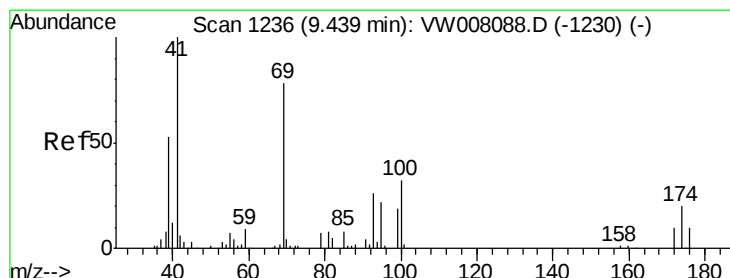
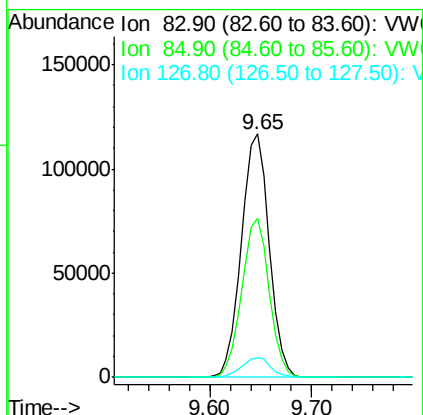
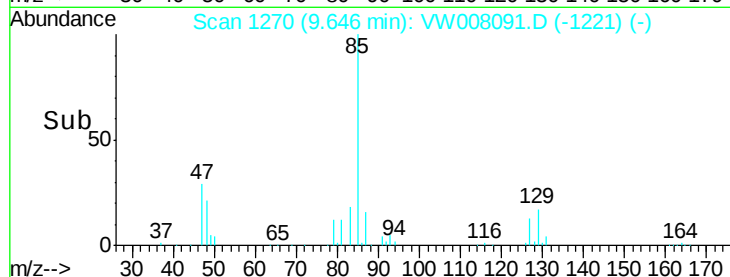
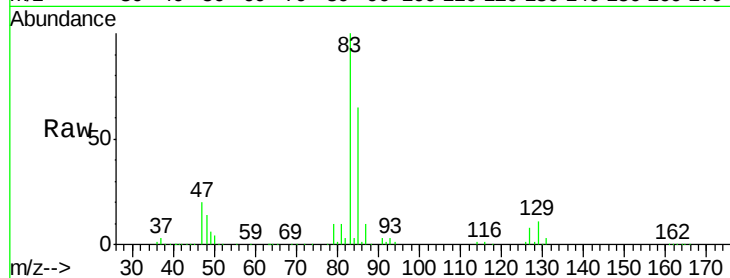
Tot Ion: 83 Resp: 221007

Ion Ratio Lower Upper

83 100

85 65.2 50.7 76.1

127 8.1 6.0 9.0



#48

Methyl methacrylate

Concen: 200.449 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

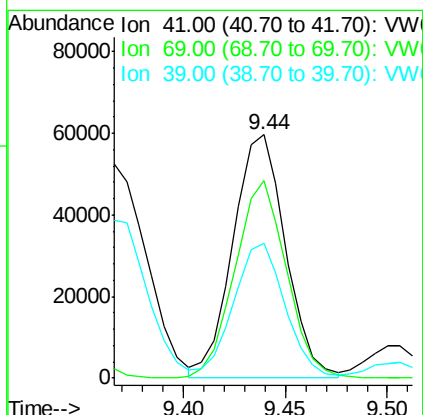
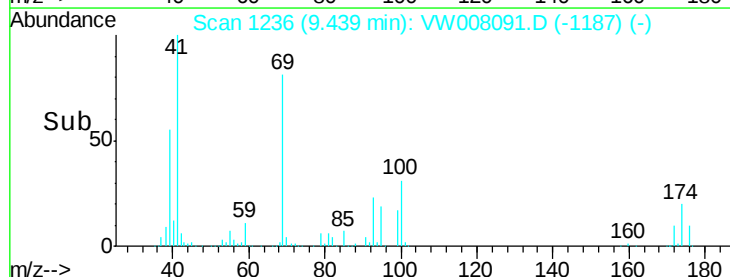
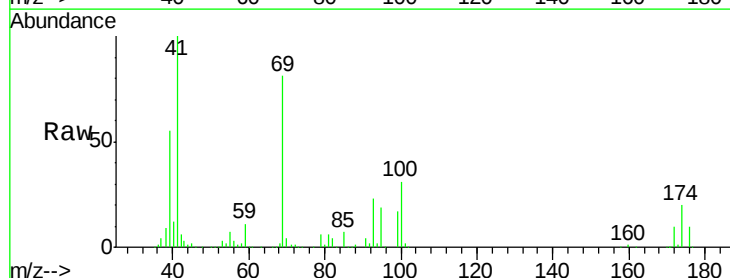
Tgt Ion: 41 Resp: 106993

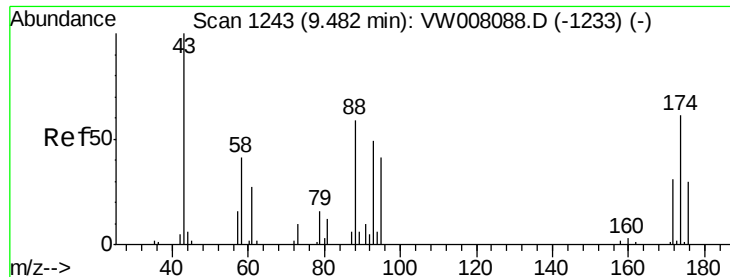
Ion Ratio Lower Upper

41 100

69 79.5 61.9 92.9

39 51.6 43.0 64.4





#49

1,4-Dioxane

Concen: 3270.821 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

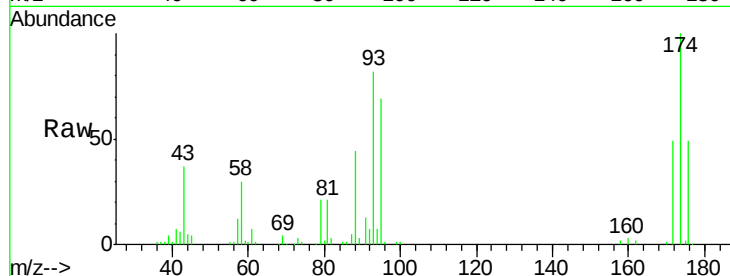
Tot Ion: 88 Resp: 27364

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

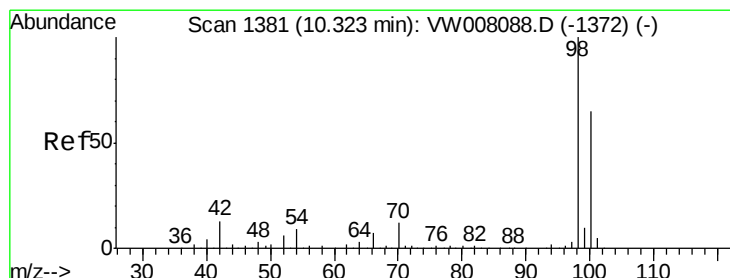
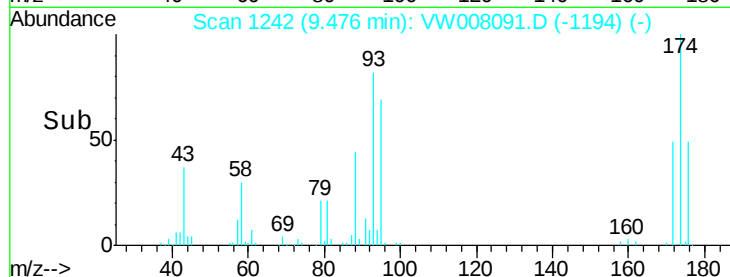
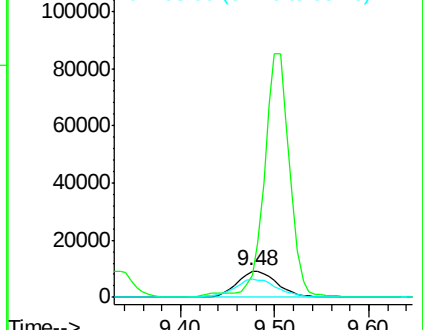
58 75.6 61.7 92.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 148.877 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008091.D

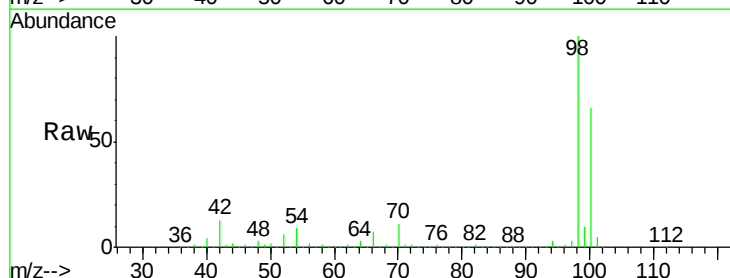
Acq: 08 Jan 2019 17:55

Tgt Ion: 98 Resp: 606647

Ion Ratio Lower Upper

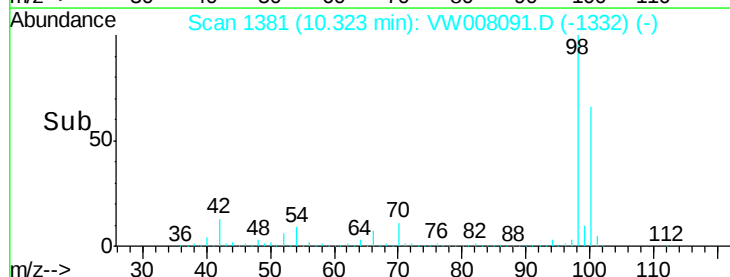
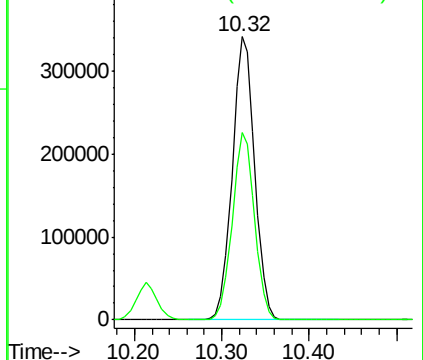
98 100

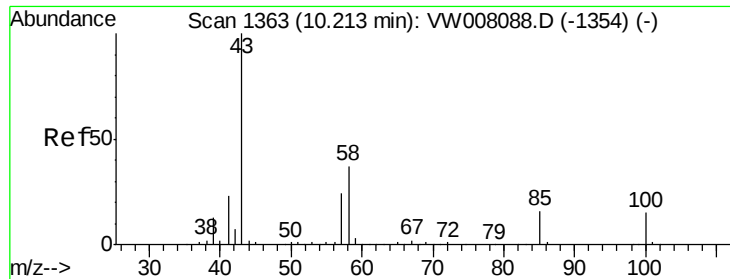
100 65.5 51.7 77.5



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: 1002.732 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

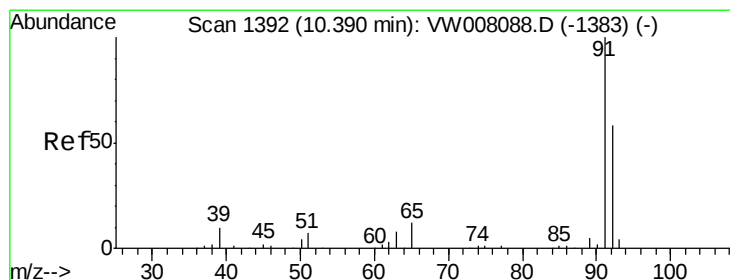
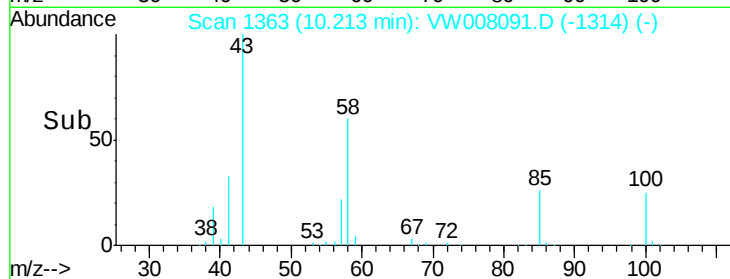
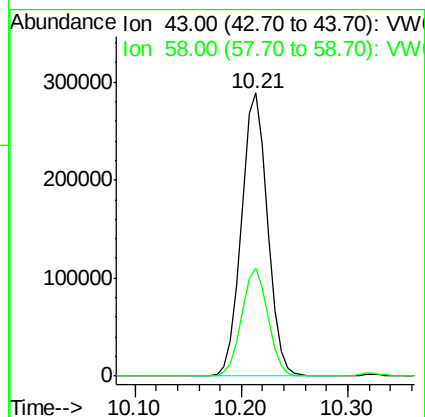
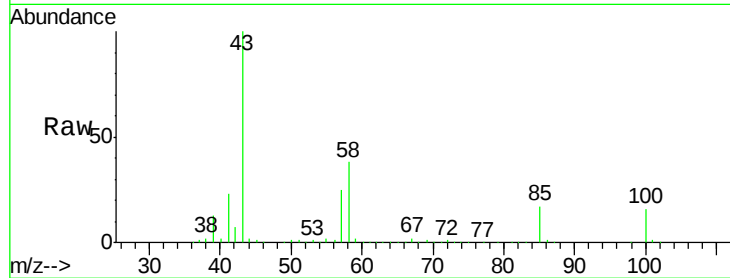
VSTDIC150

Tot Ion: 43 Resp: 497292

Ion Ratio Lower Upper

43 100

58 38.7 30.6 46.0



#52

Toluene

Concen: 148.988 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008091.D

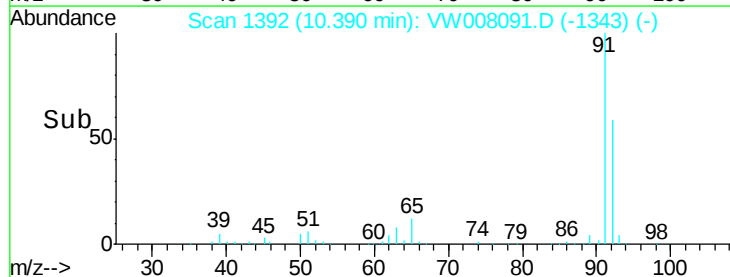
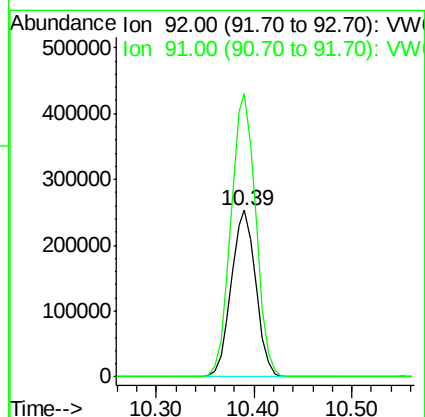
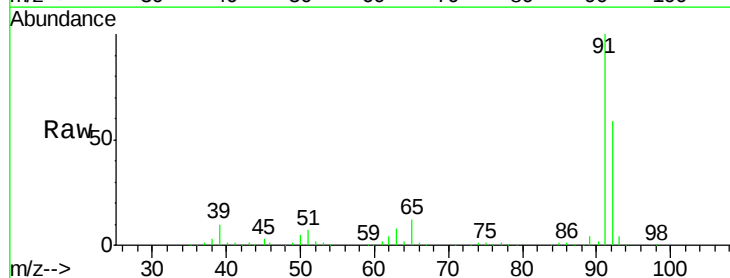
Acq: 08 Jan 2019 17:55

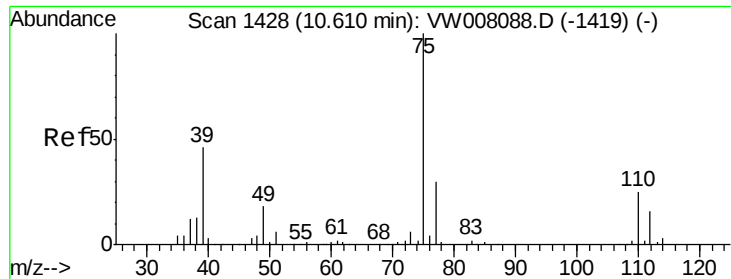
Tgt Ion: 92 Resp: 437801

Ion Ratio Lower Upper

92 100

91 172.1 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 155.022 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

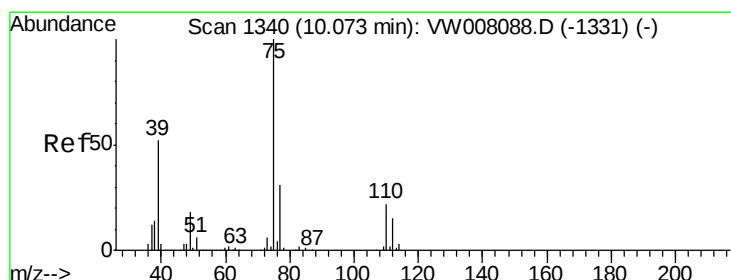
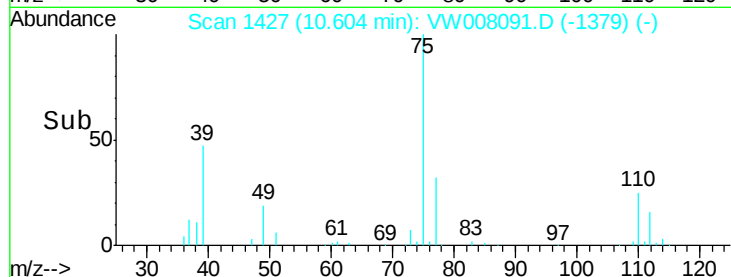
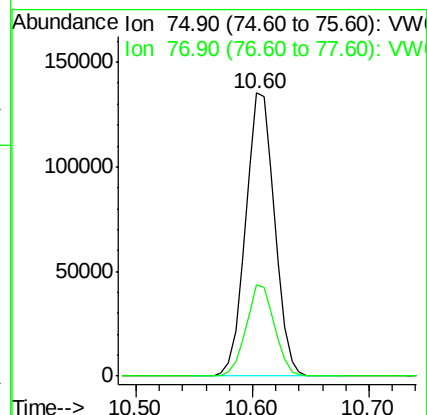
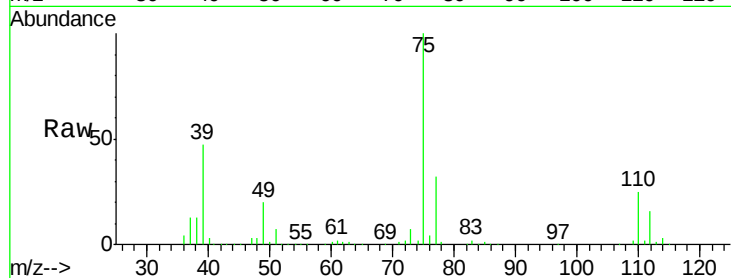
VSTDIC150

Tot Ion: 75 Resp: 234207

Ion Ratio Lower Upper

75 100

77 32.4 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 163.574 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

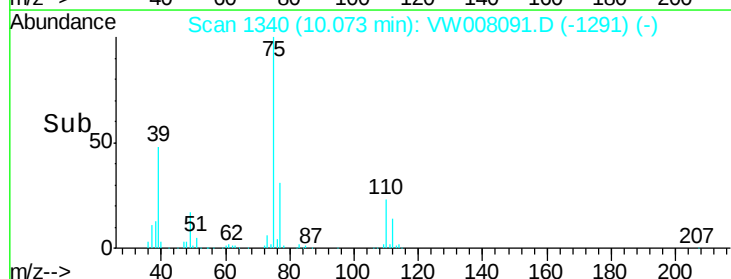
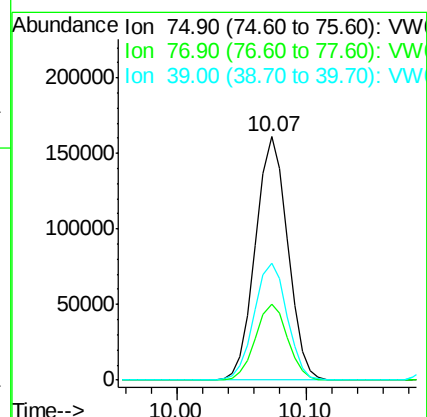
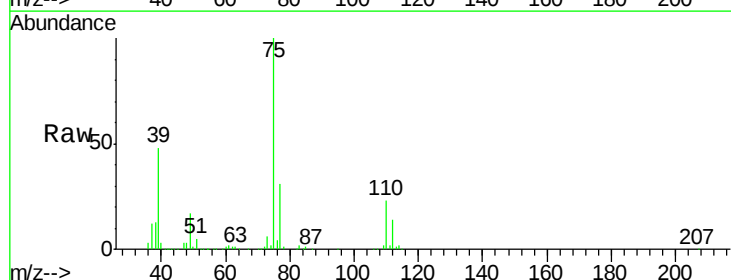
Tgt Ion: 75 Resp: 278353

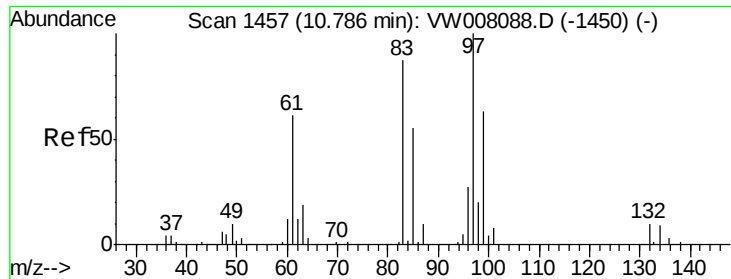
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

39 47.9 41.4 62.0

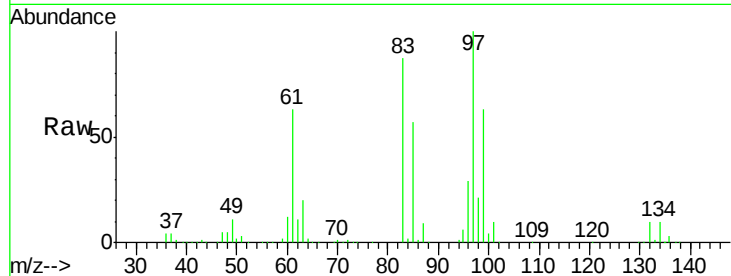




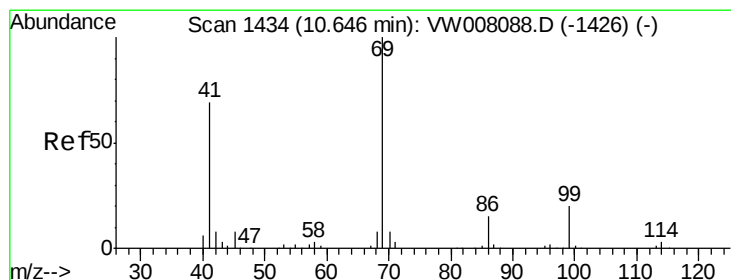
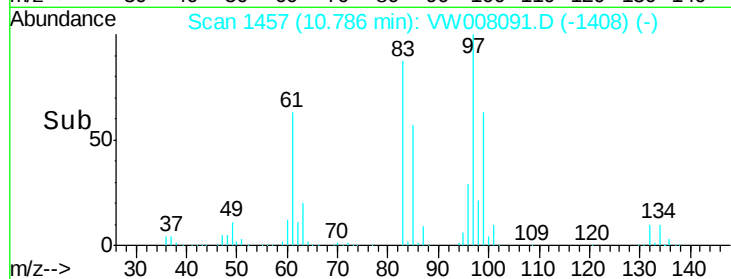
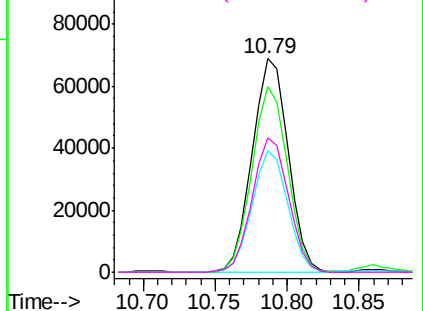
#55
 1,1,2-Trichloroethane
 Concen: 156.893 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	119023
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.3	103.9
85	56.9	43.8	65.6
99	62.9	50.0	75.0

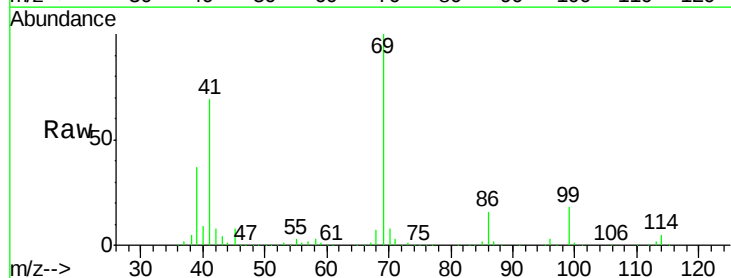


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

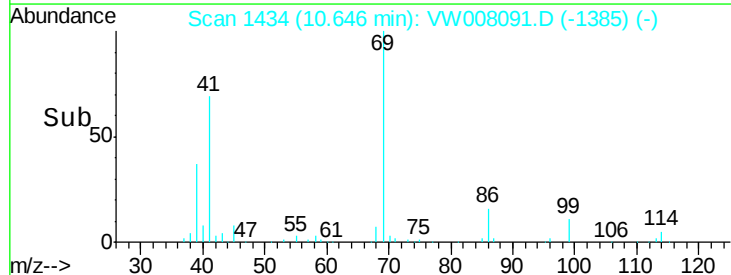
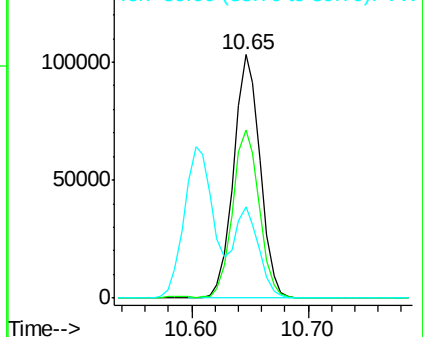


#56
 Ethyl methacrylate
 Concen: 185.158 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion:	69	Resp:	162927
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.4	84.6
39	34.9	28.1	42.1



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

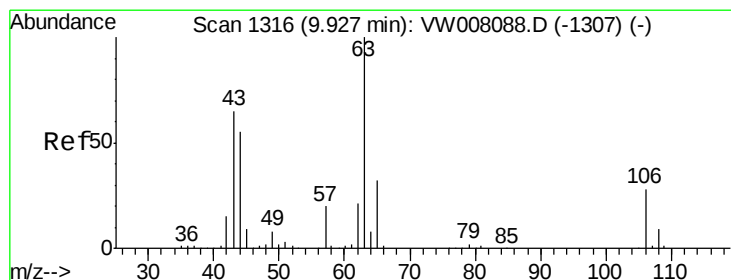
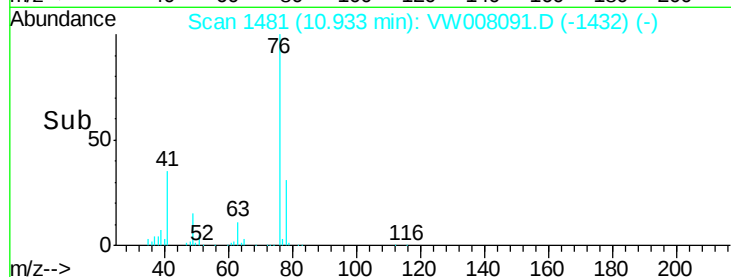
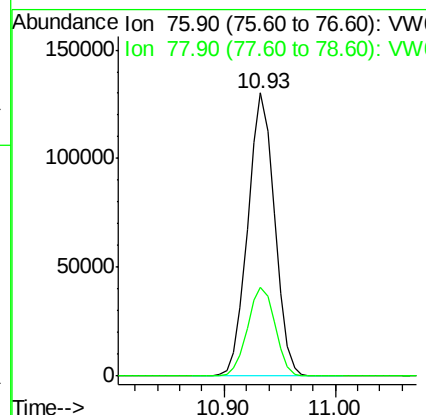
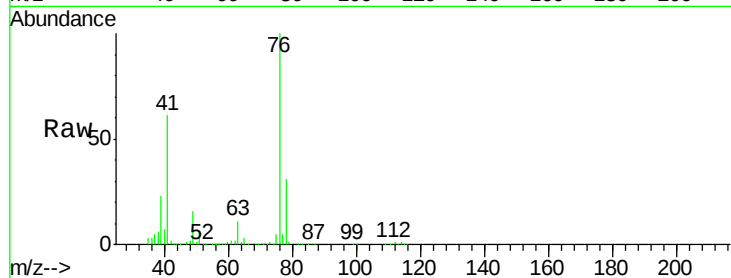




#57
 1,3-Dichloropropane
 Concen: 165.535 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

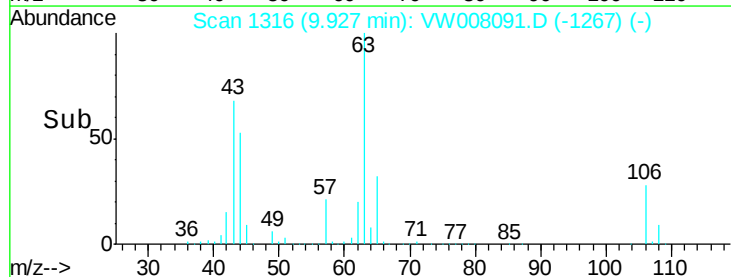
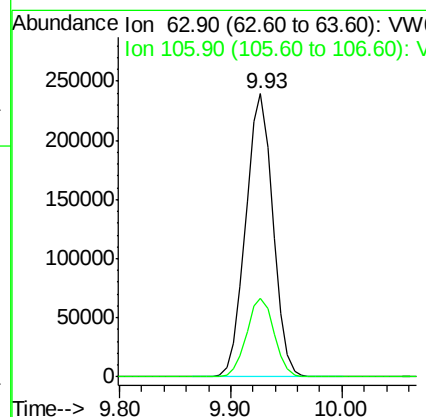
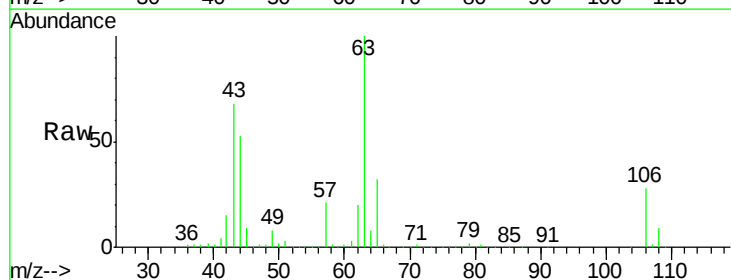
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

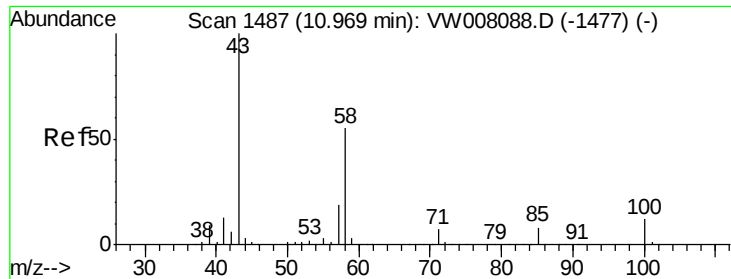
Tot Ion: 76 Resp: 218021
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 943.369 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 63 Resp: 405338
 Ion Ratio Lower Upper
 63 100
 106 28.2 21.8 32.6

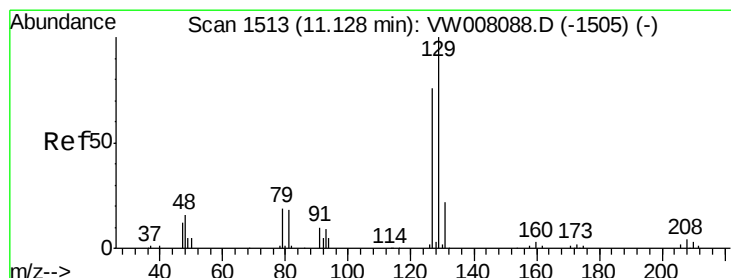
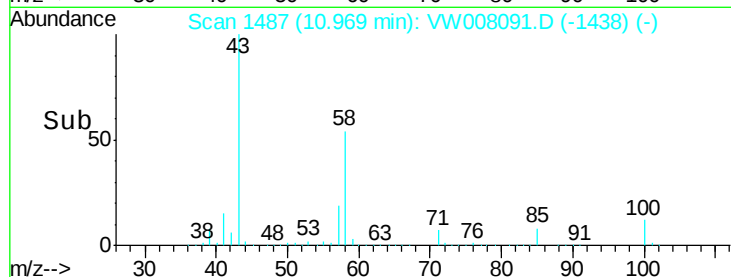
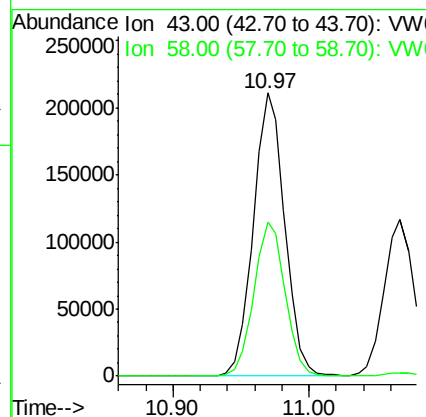
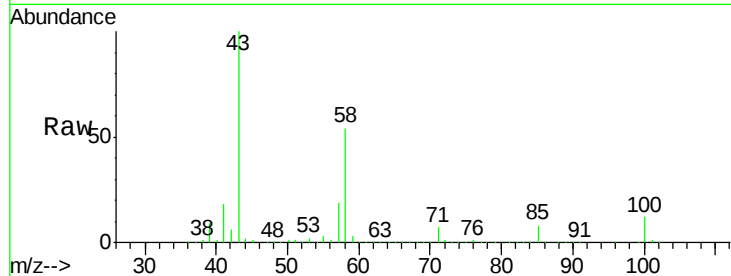




#59
2-Hexanone
Concen: 996.218 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

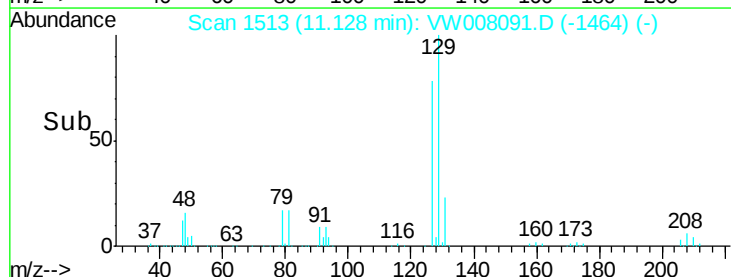
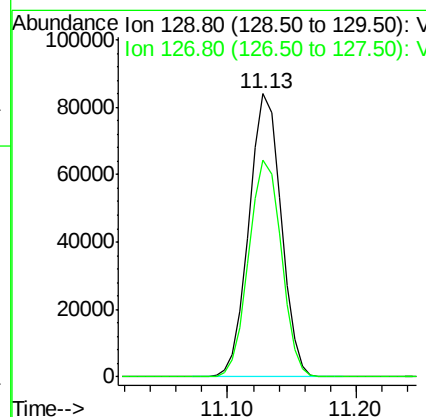
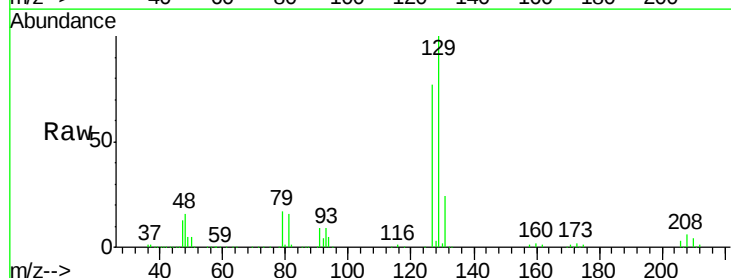
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

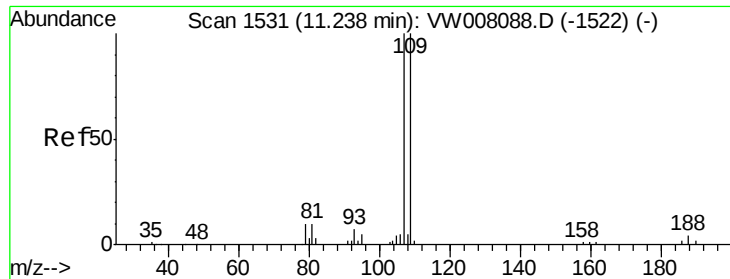
Tot Ion: 43 Resp: 339992
Ion Ratio Lower Upper
43 100
58 54.5 27.2 81.5



#60
Dibromochloromethane
Concen: 142.735 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 129 Resp: 144823
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6

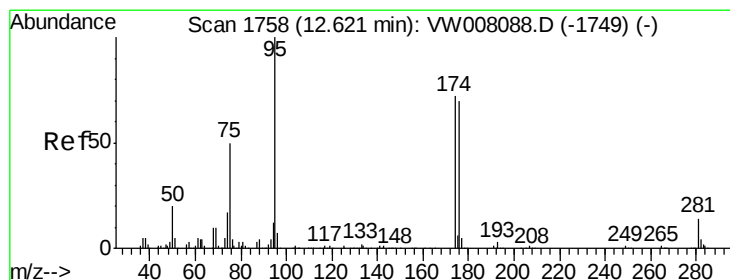
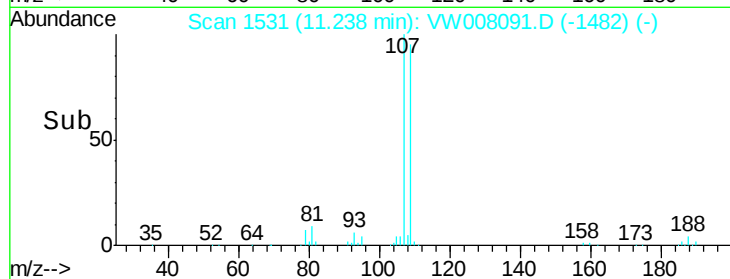
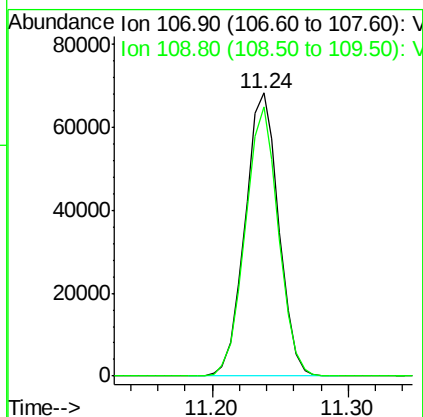
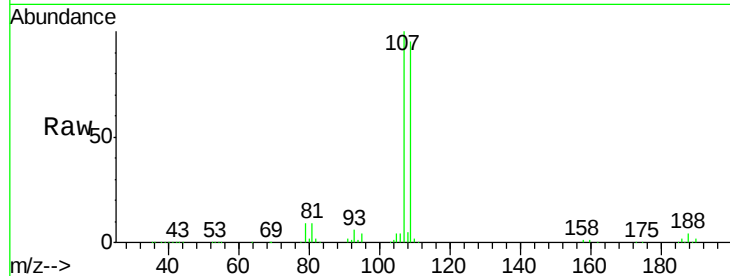




#61
 1,2-Dibromoethane
 Concen: 155.205 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

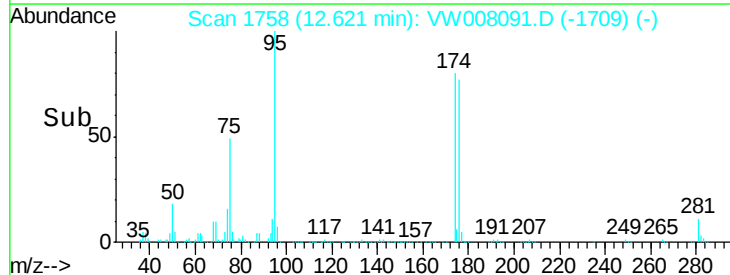
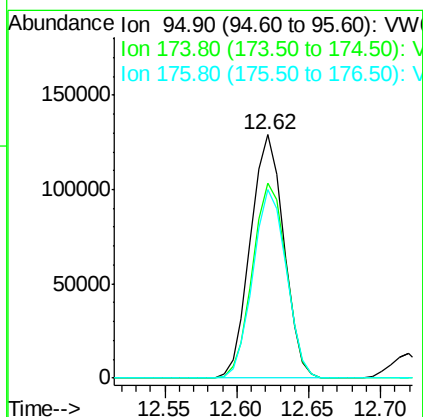
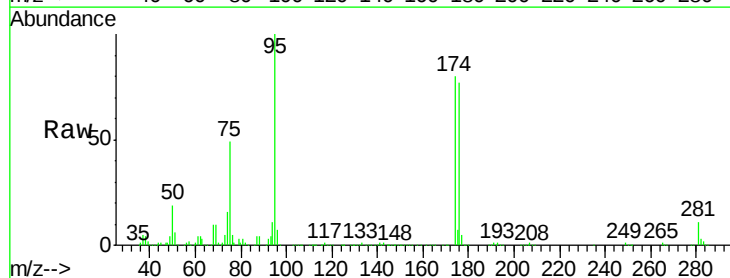
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

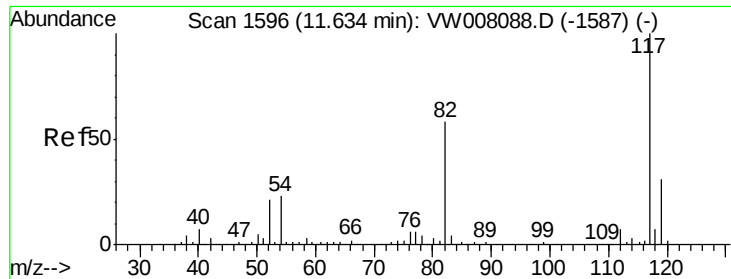
Tot Ion:107 Resp: 117888
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 134.065 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 95 Resp: 207073
 Ion Ratio Lower Upper
 95 100
 174 80.7 0.0 143.0
 176 77.5 0.0 140.2

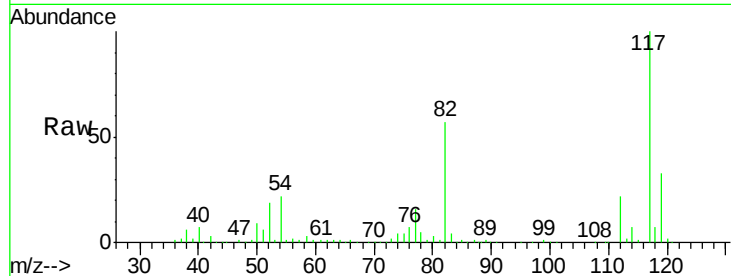




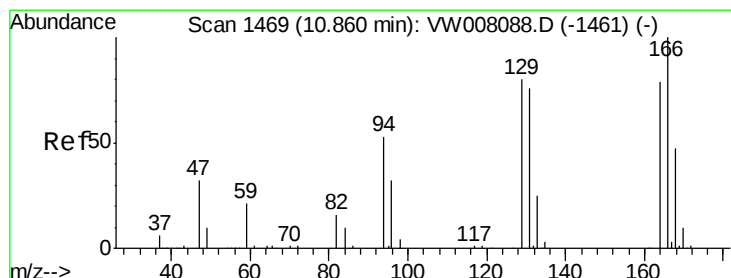
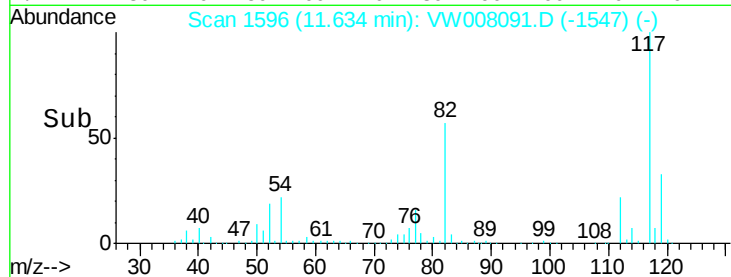
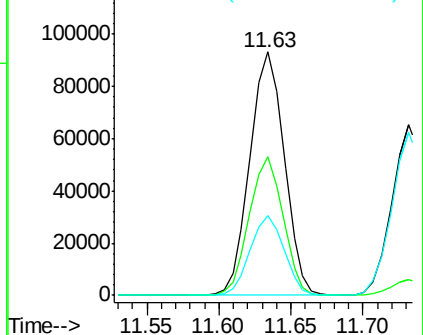
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 154325
Ion Ratio Lower Upper
117 100
82 56.8 46.4 69.6
119 32.5 24.7 37.1

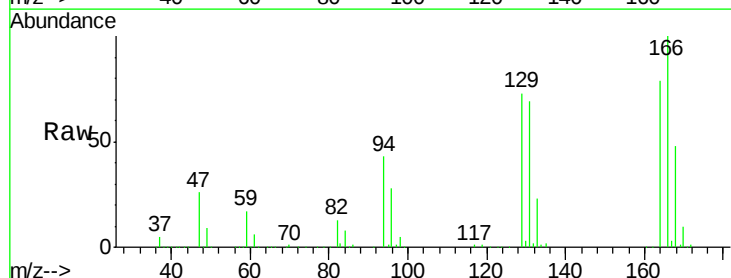


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

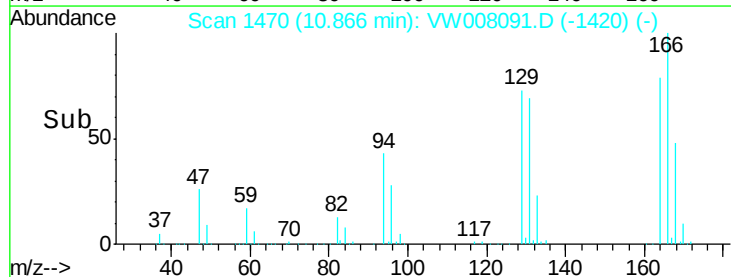
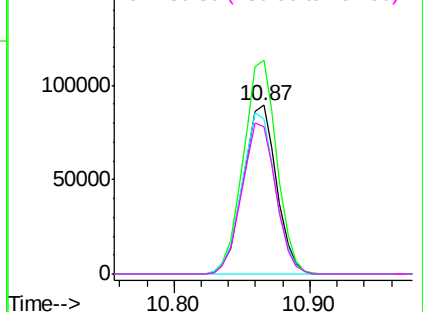


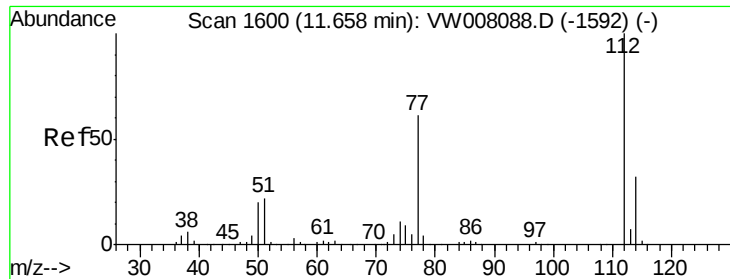
#64
Tetrachloroethene
Concen: 149.572 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion:164 Resp: 153915
Ion Ratio Lower Upper
164 100
166 126.6 100.7 151.1
129 91.9 81.0 121.4
131 87.5 76.1 114.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

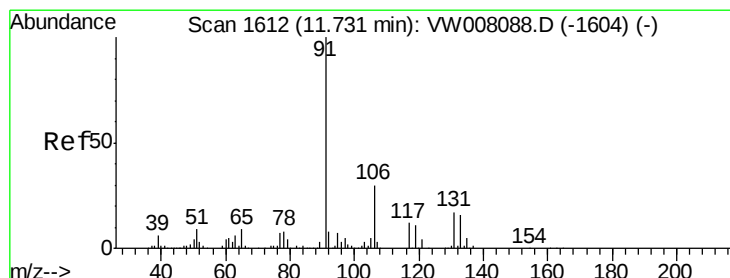
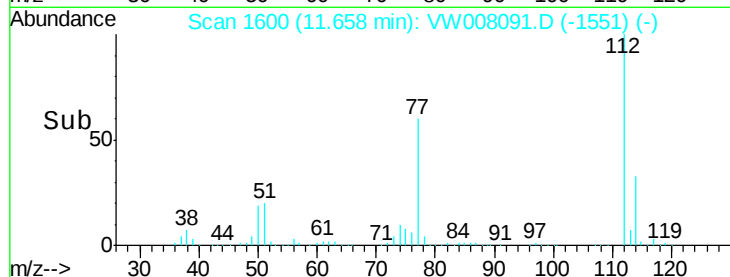
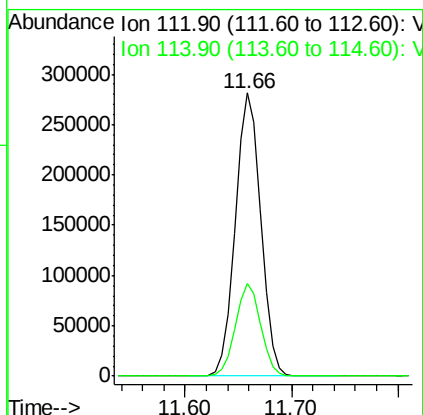
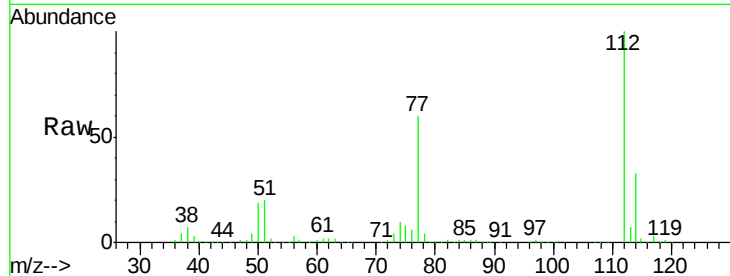




#65
Chlorobenzene
Concen: 145.504 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

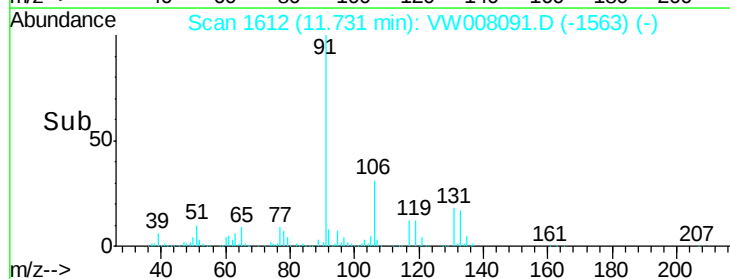
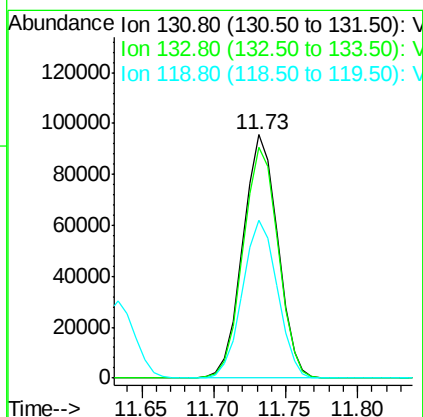
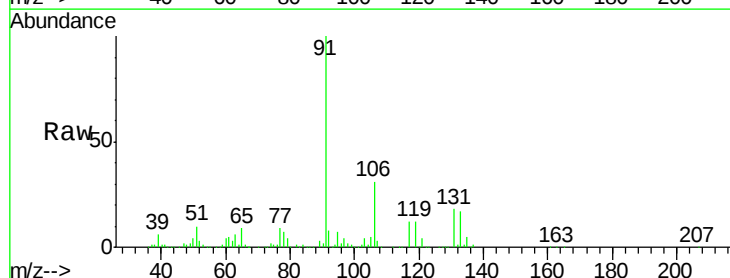
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

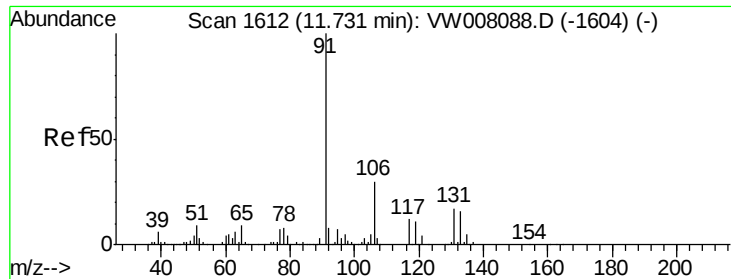
Tot Ion:112 Resp: 470998
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 138.399 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion:131 Resp: 160113
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.7
119 65.0 32.5 97.4

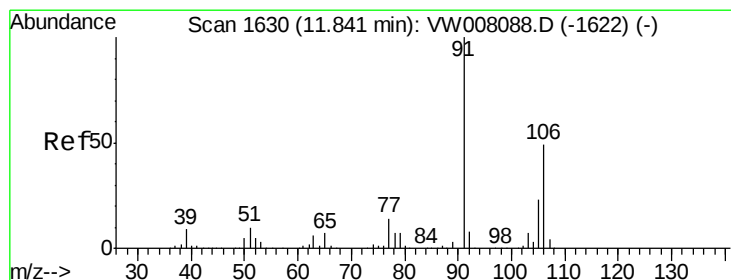
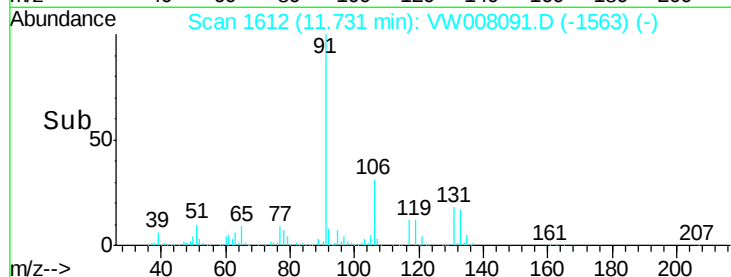
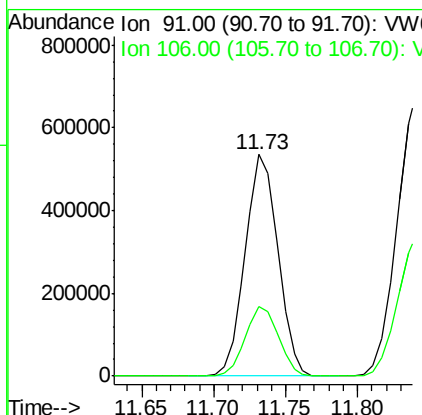
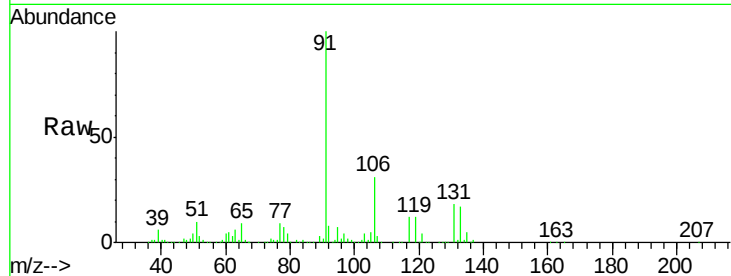




#67
Ethyl Benzene
Concen: 146.196 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

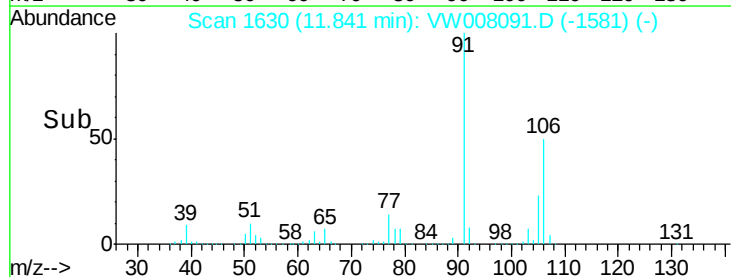
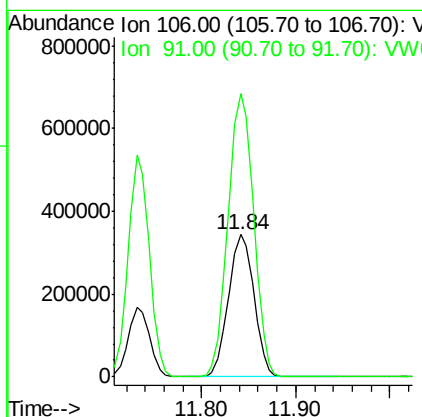
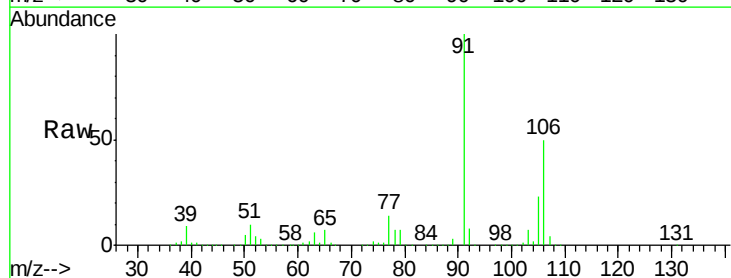
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

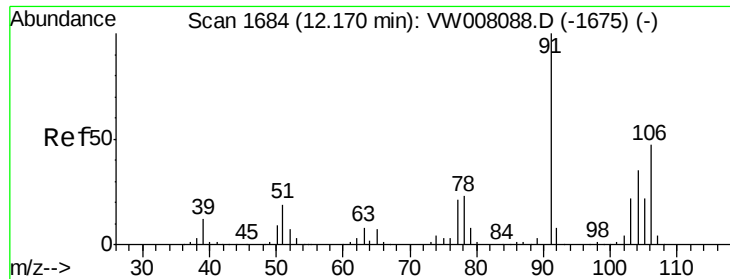
Tot Ion: 91 Resp: 845882
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.4



#68
m/p-Xylenes
Concen: 289.326 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 106 Resp: 645532
Ion Ratio Lower Upper
106 100
91 200.6 162.4 243.6

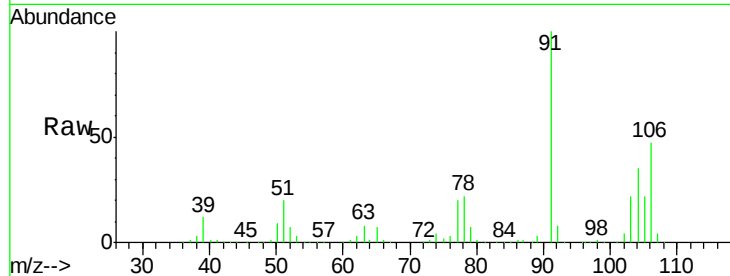




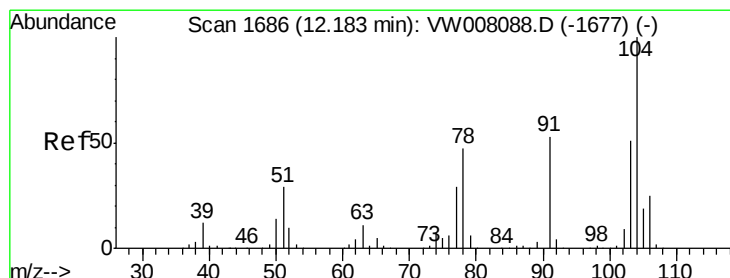
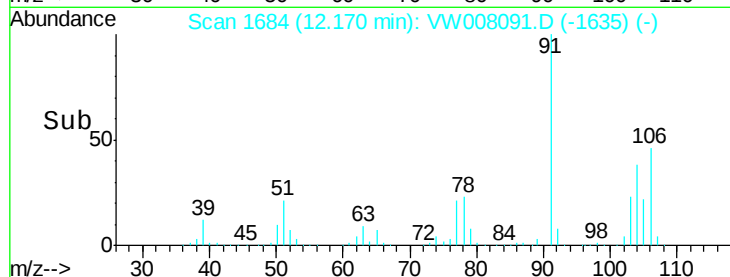
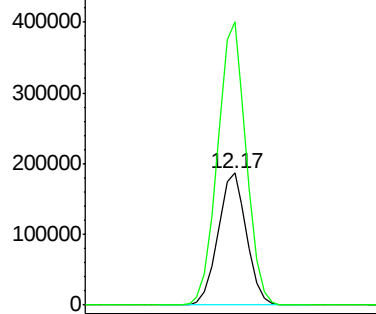
#69
o-Xylene
Concen: 145.353 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 301628
Ion Ratio Lower Upper
106 100
91 214.2 107.8 323.6

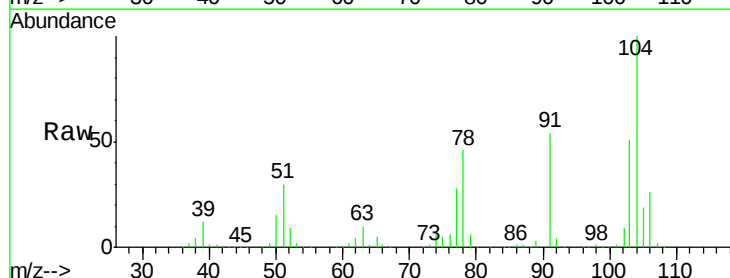


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

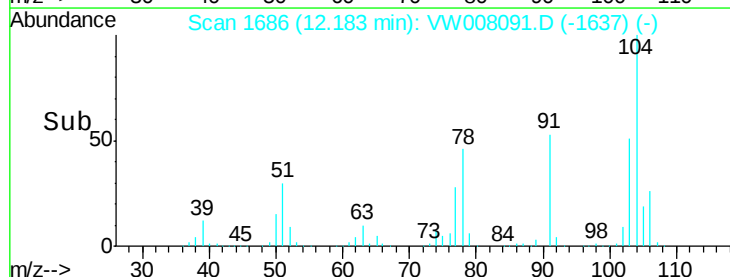
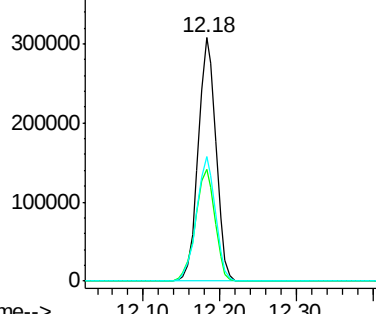


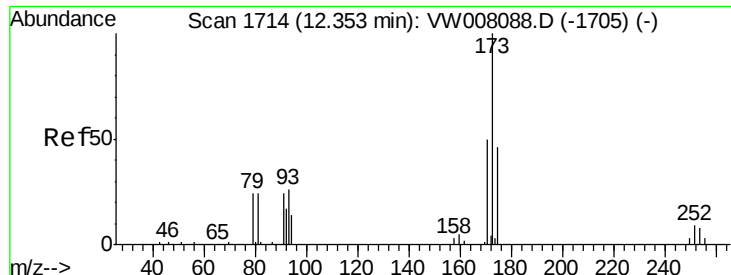
#70
Styrene
Concen: 145.740 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion:104 Resp: 491696
Ion Ratio Lower Upper
104 100
78 50.3 41.8 62.8
103 54.5 43.8 65.8



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





#71

Bromoform

Concen: 153.370 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

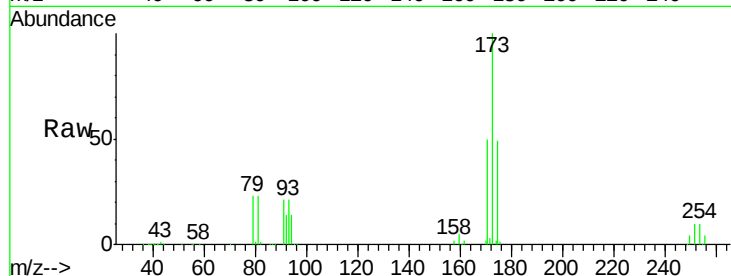
Tot Ion:173 Resp: 81865

Ion Ratio Lower Upper

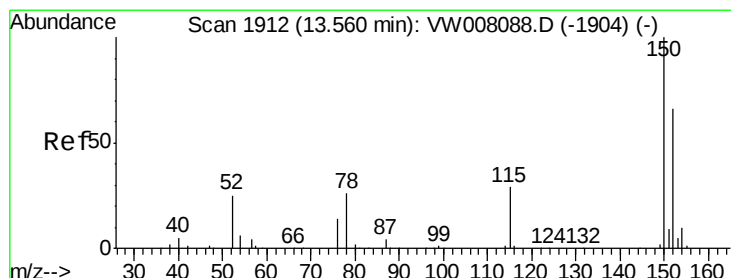
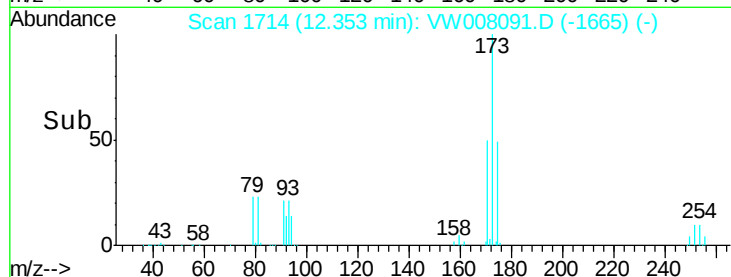
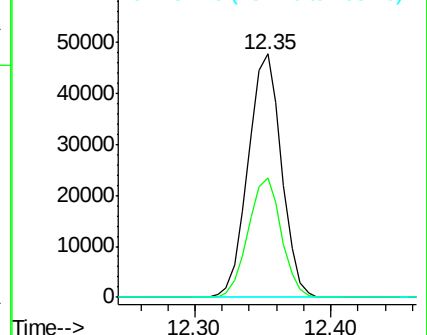
173 100

175 48.8 23.3 69.8

254 0.2 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: VW008091.D

Acq: 08 Jan 2019 17:55

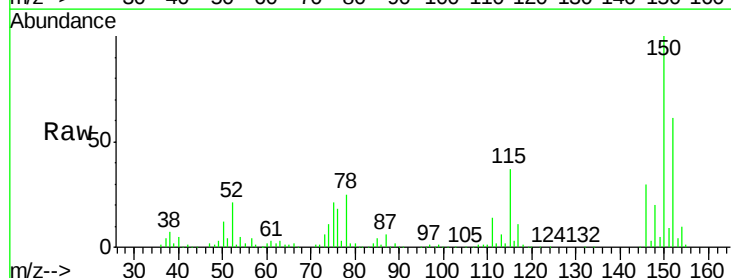
Tgt Ion:152 Resp: 72324

Ion Ratio Lower Upper

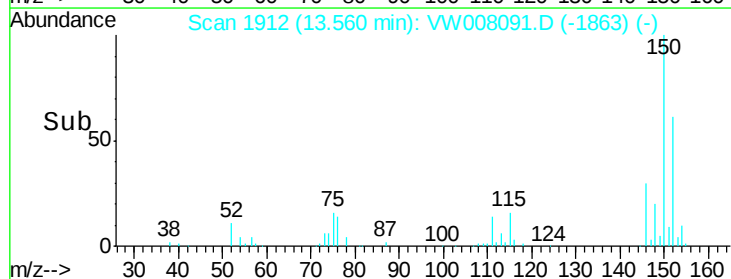
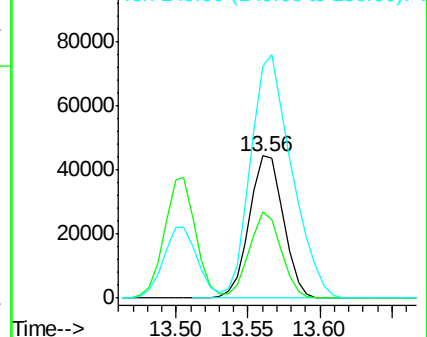
152 100

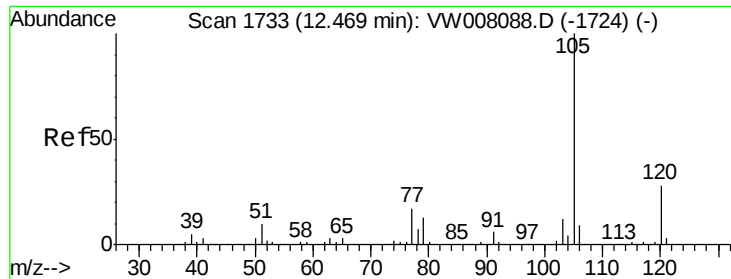
115 57.2 30.8 92.4

150 206.4 0.0 350.2



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

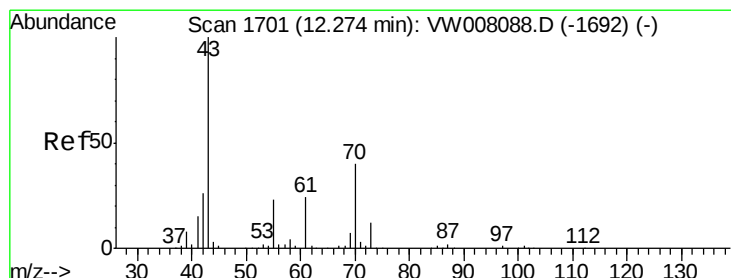
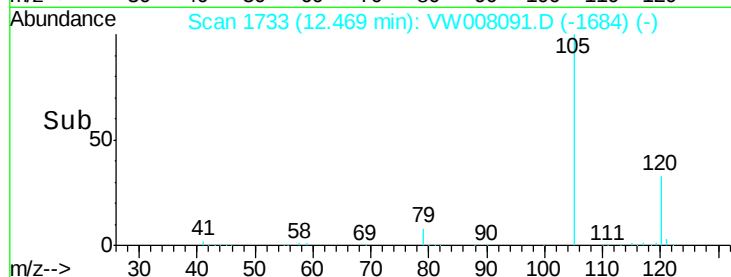
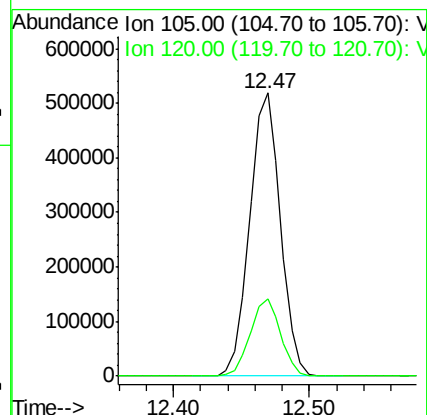
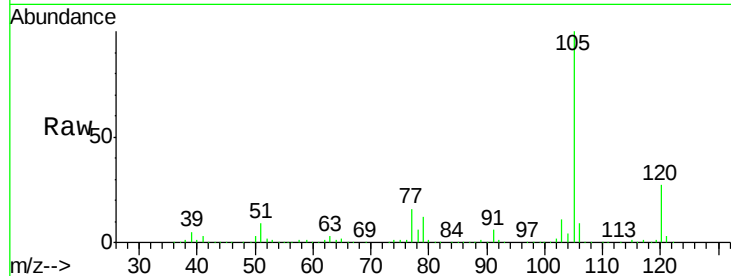




#73
Isopropylbenzene
Concen: 144.606 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

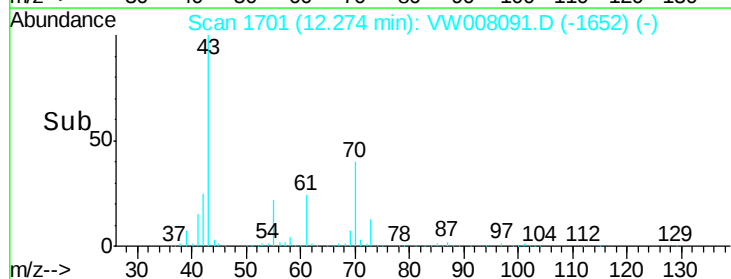
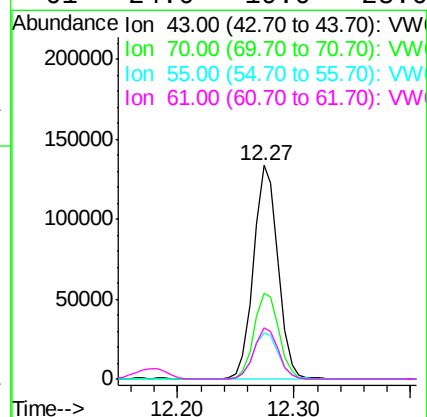
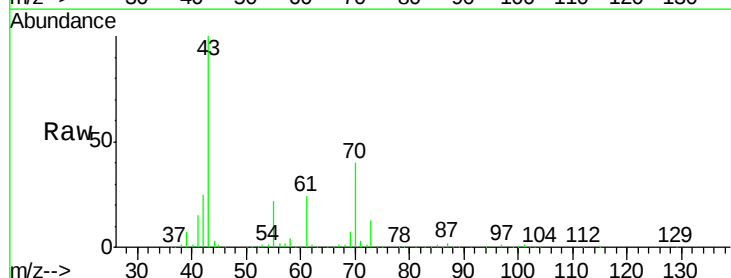
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

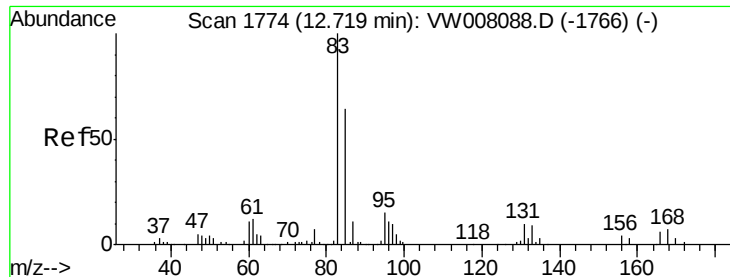
Tot Ion:105 Resp: 818665
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.8



#74
N-ethyl acetate
Concen: 207.213 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 43 Resp: 195158
Ion Ratio Lower Upper
43 100
70 41.4 32.4 48.6
55 22.8 18.7 28.1
61 24.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 176.637 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

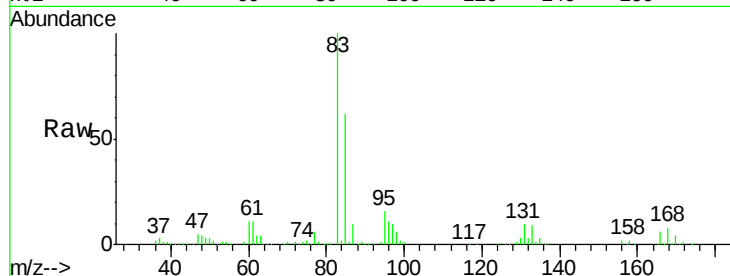
Tot Ion: 83 Resp: 131919

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

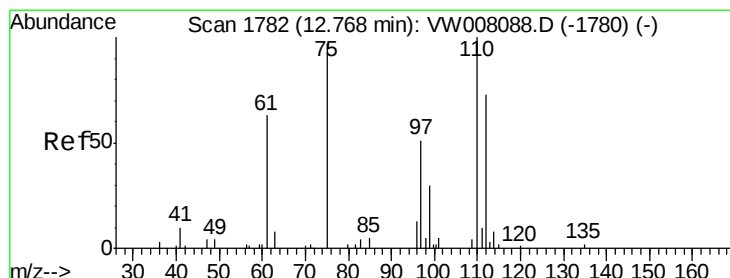
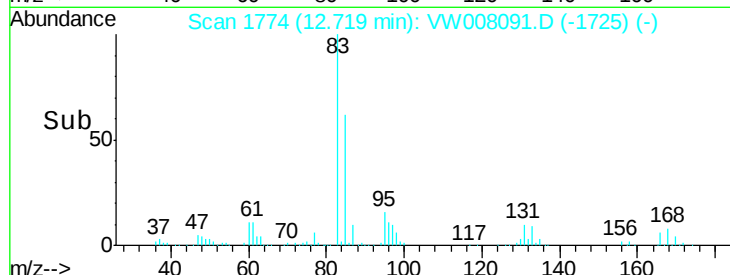
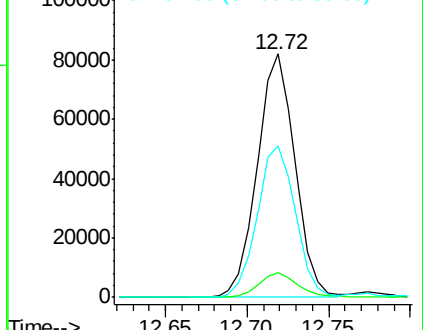
85 63.1 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 311.200 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008091.D

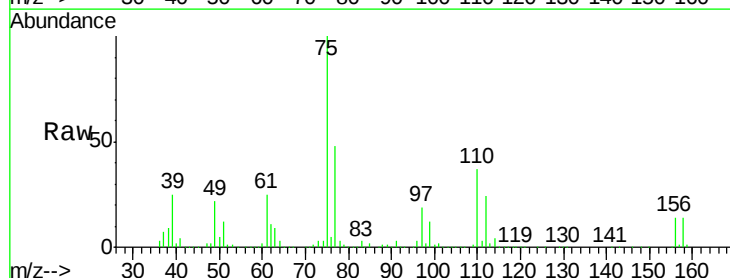
Acq: 08 Jan 2019 17:55

Tgt Ion: 75 Resp: 180842

Ion Ratio Lower Upper

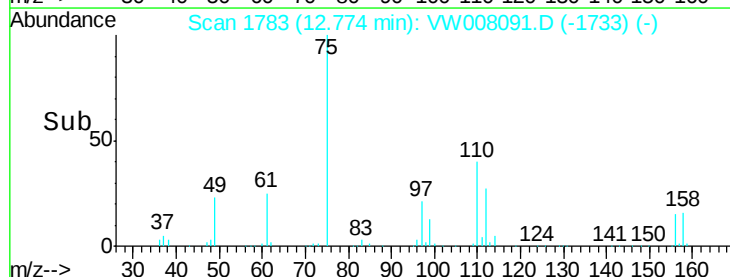
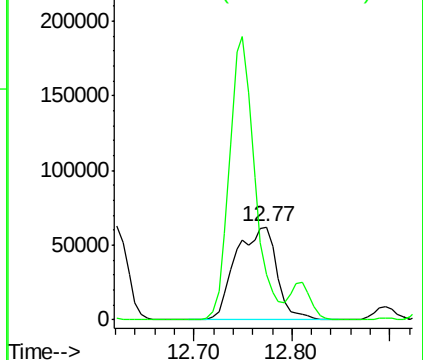
75 100

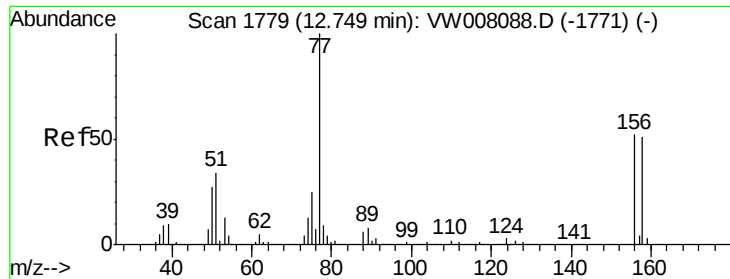
77 0.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

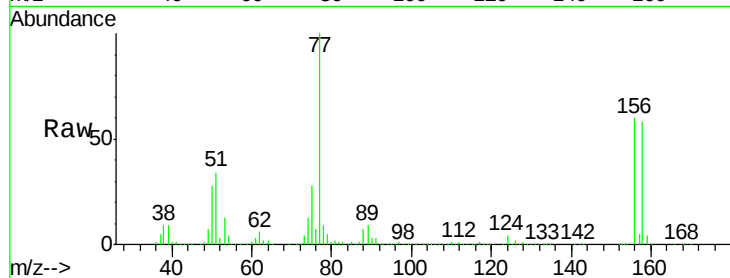




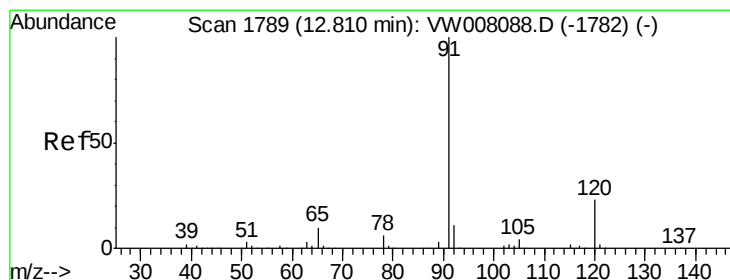
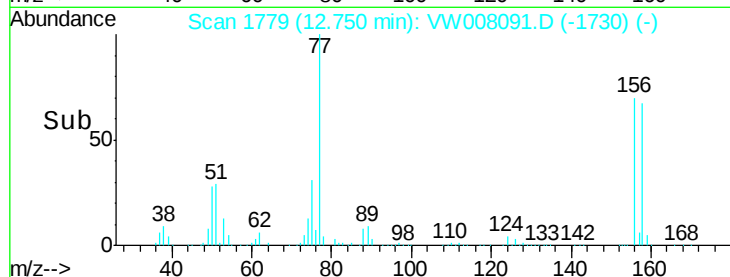
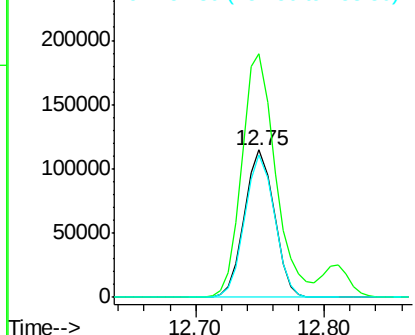
#77
Bromobenzene
Concen: 152.092 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:156 Resp: 183464
Ion Ratio Lower Upper
156 100
77 187.6 104.2 312.5
158 96.4 47.9 143.6

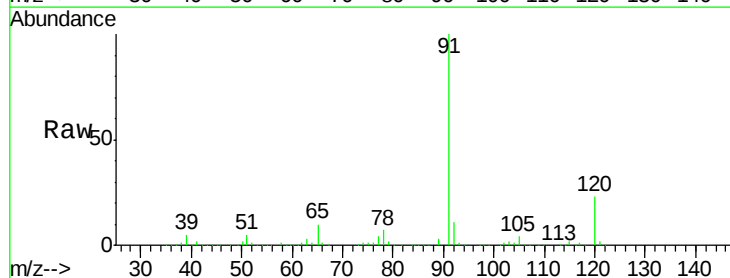


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

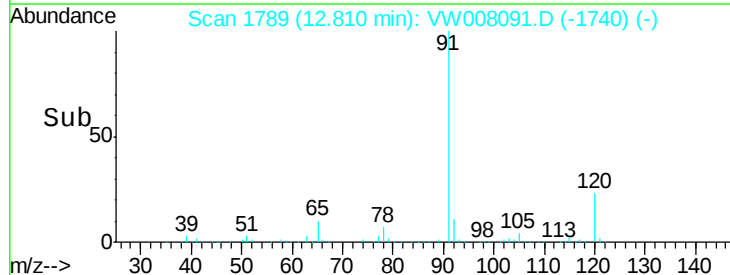
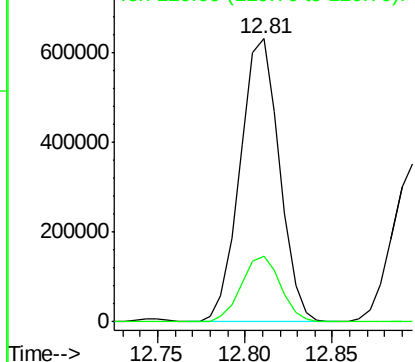


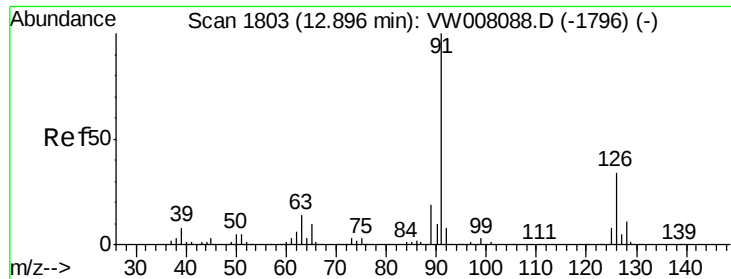
#78
n-propylbenzene
Concen: 148.084 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 91 Resp: 982928
Ion Ratio Lower Upper
91 100
120 23.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V

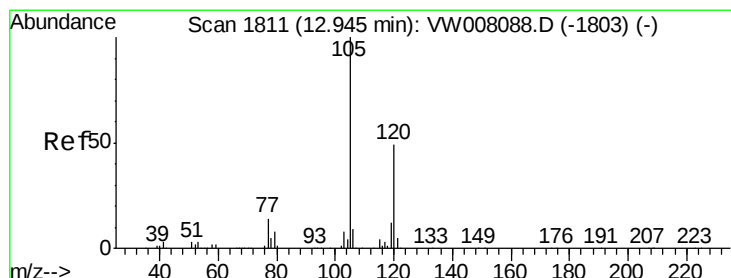
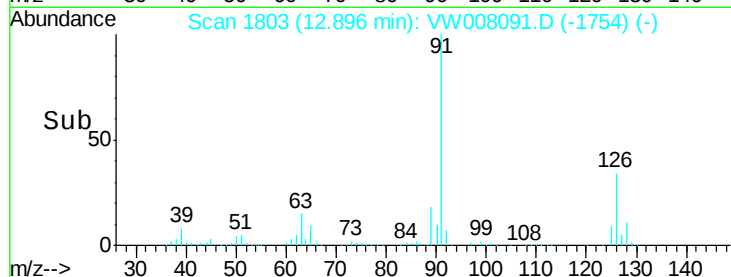
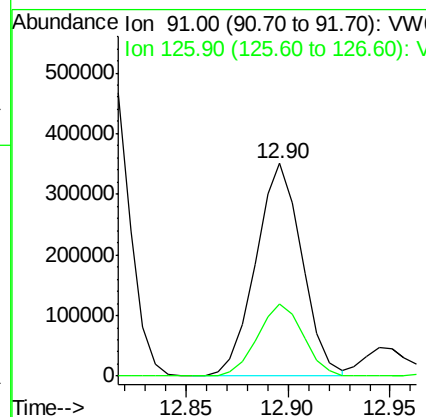
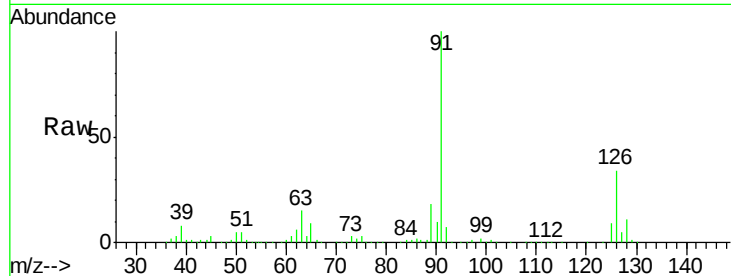




#79
2-Chlorotoluene
Concen: 144.880 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

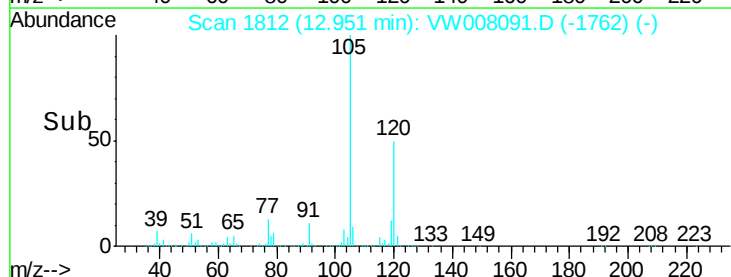
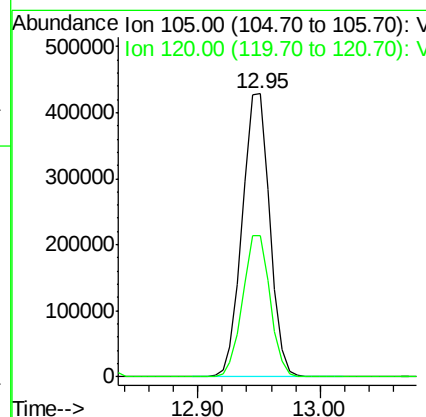
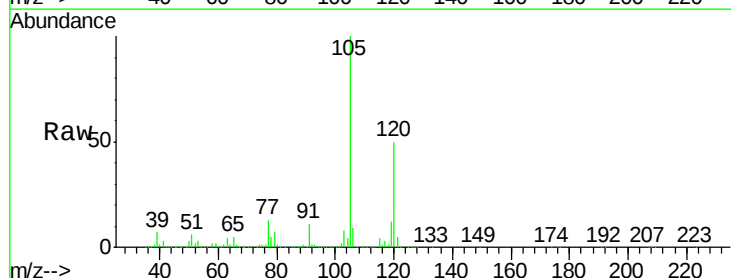
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

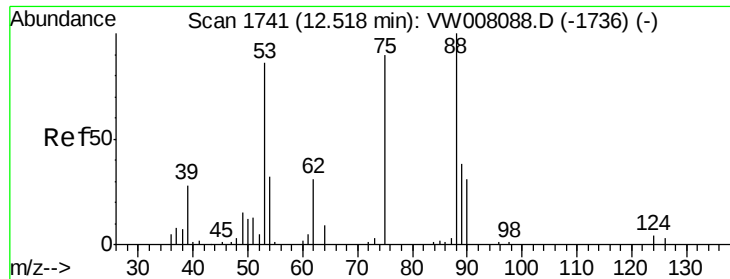
Tot Ion: 91 Resp: 551958
Ion Ratio Lower Upper
91 100
126 34.0 16.8 50.3



#80
1,3,5-Trimethylbenzene
Concen: 137.350 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion:105 Resp: 664555
Ion Ratio Lower Upper
105 100
120 50.0 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 179.228 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

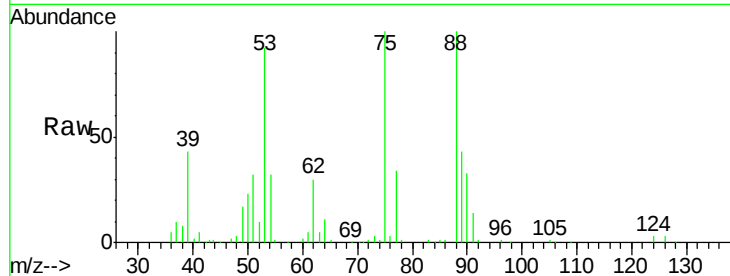
Tot Ion: 75 Resp: 44332

Ion Ratio Lower Upper

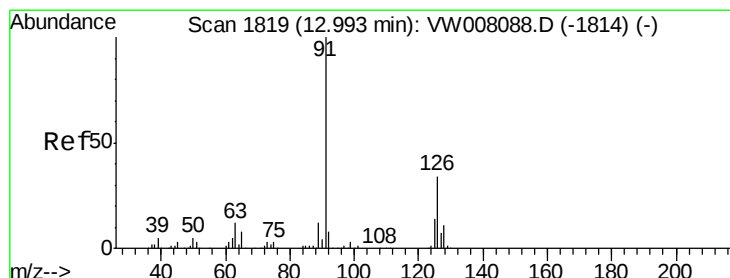
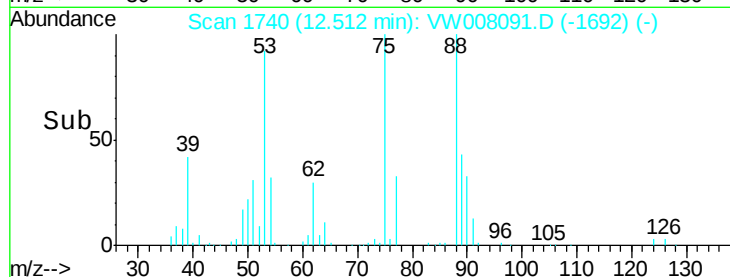
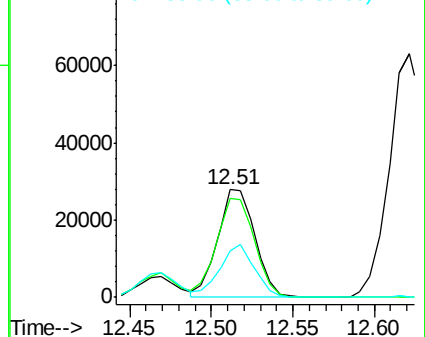
75 100

53 93.0 78.8 118.2

89 45.8 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 140.130 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008091.D

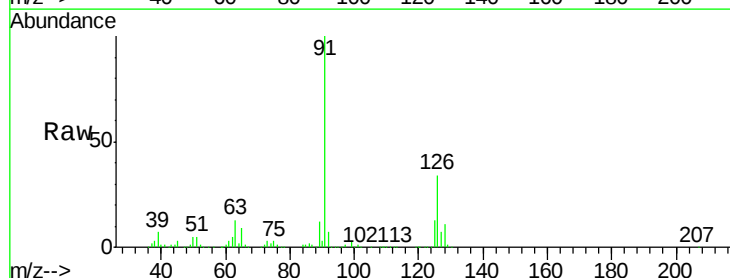
Acq: 08 Jan 2019 17:55

Tgt Ion: 91 Resp: 567252

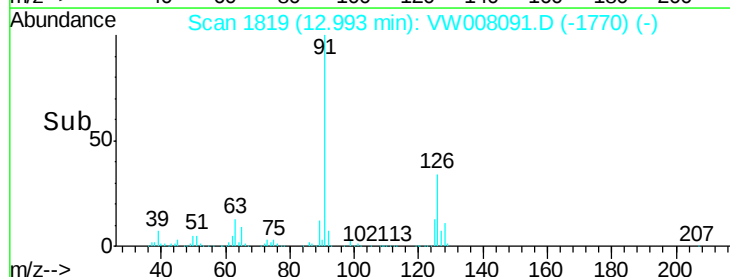
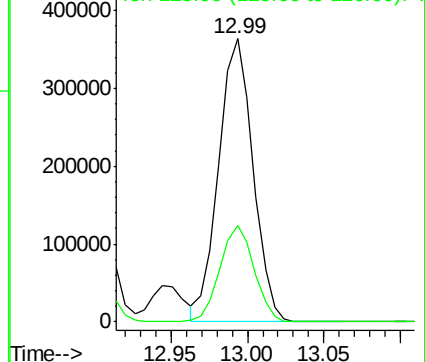
Ion Ratio Lower Upper

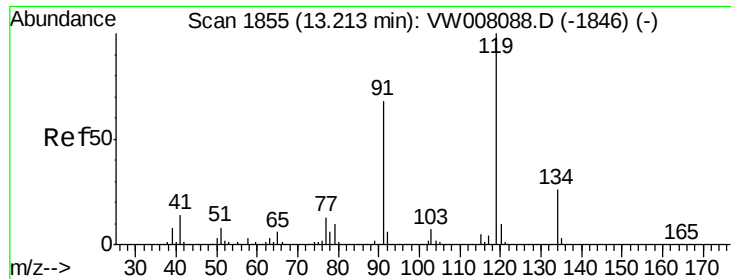
91 100

126 34.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

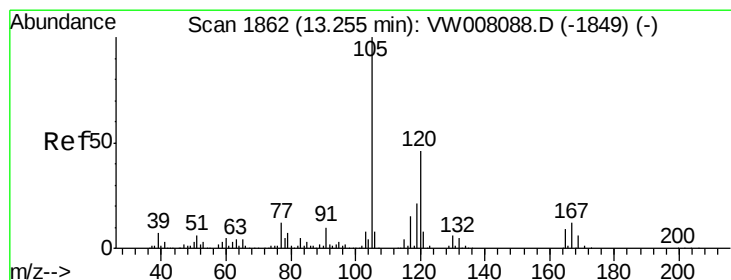
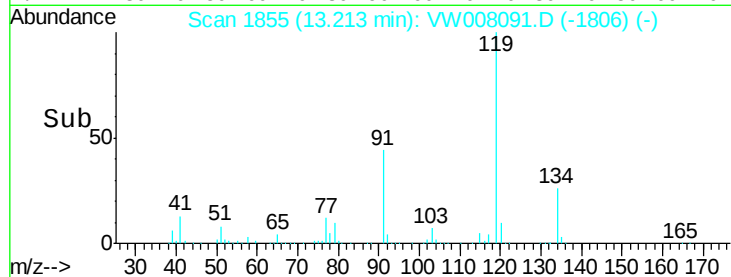
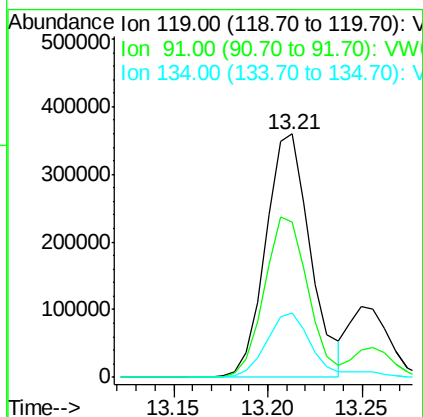
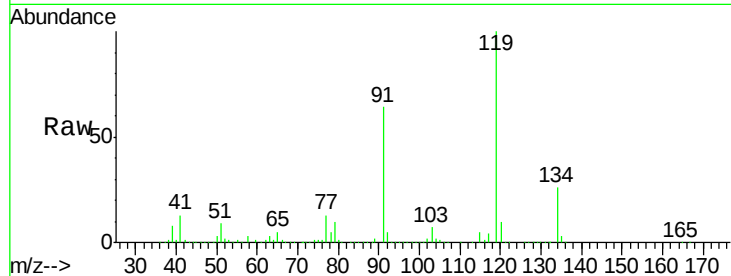




#83
tert-Butylbenzene
Concen: 139.398 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

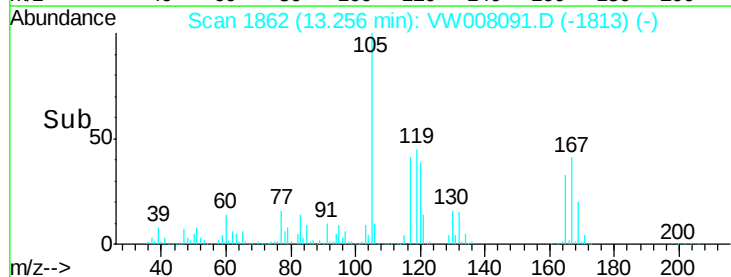
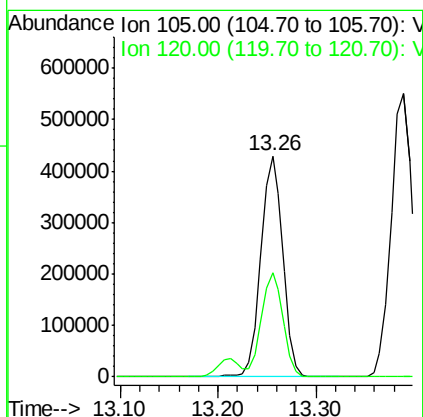
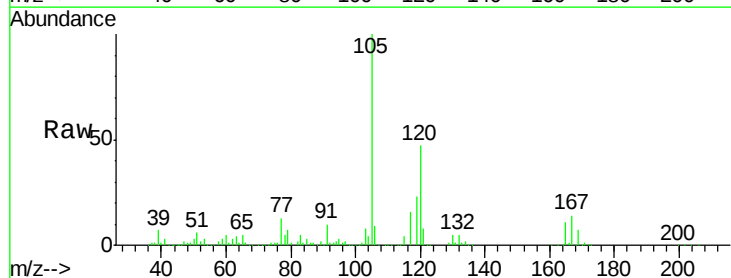
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

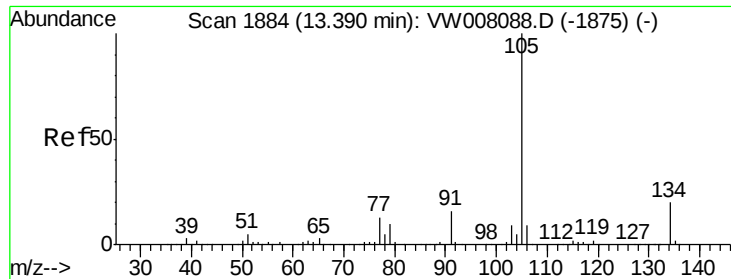
Tot Ion:119 Resp: 592424
Ion Ratio Lower Upper
119 100
91 64.5 33.9 101.6
134 27.3 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 136.370 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion:105 Resp: 671592
Ion Ratio Lower Upper
105 100
120 46.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 144.014 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

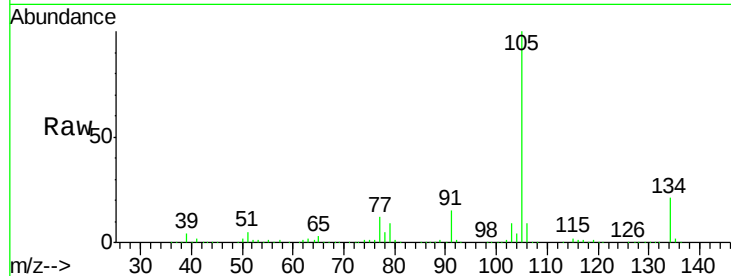
VSTDIC150

Tot Ion:105 Resp: 849556

Ion Ratio Lower Upper

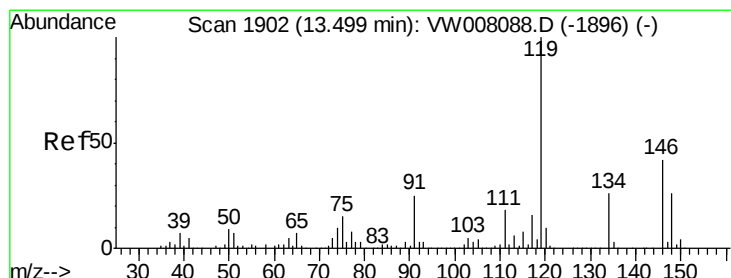
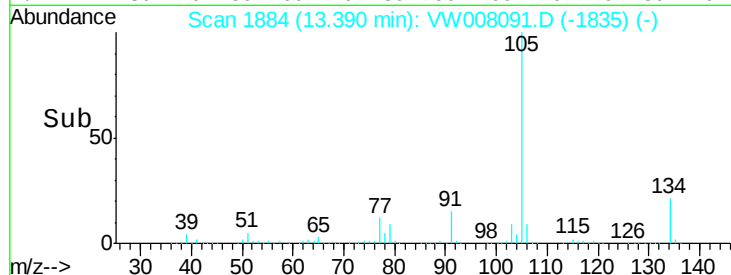
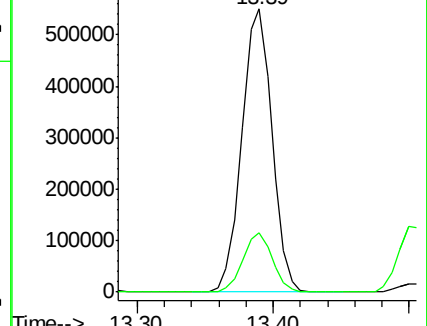
105 100

134 20.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 139.291 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

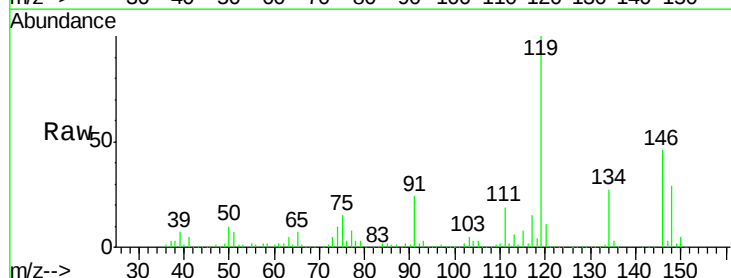
Tgt Ion:119 Resp: 737006

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

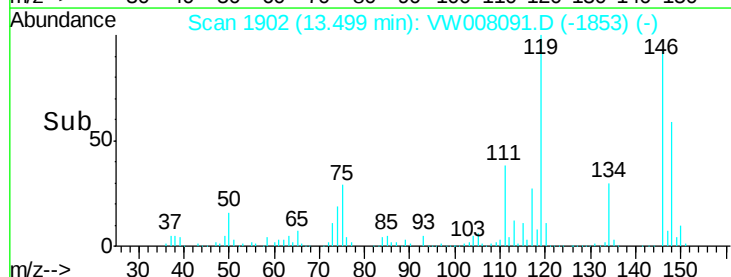
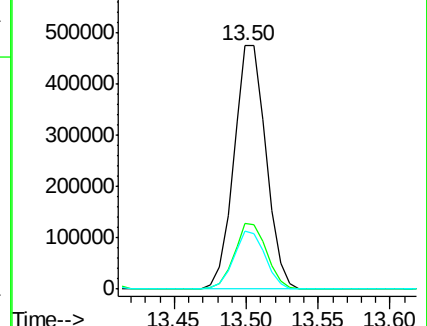
91 23.3 12.3 36.9



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

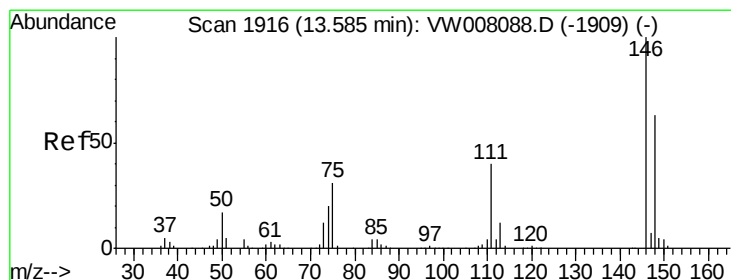
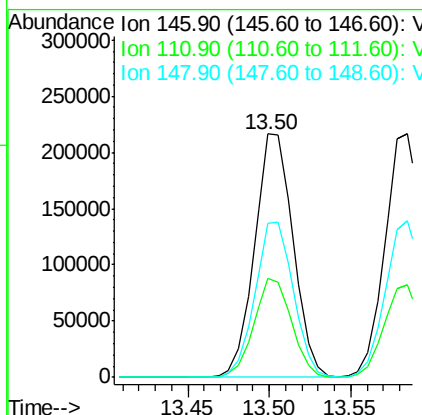
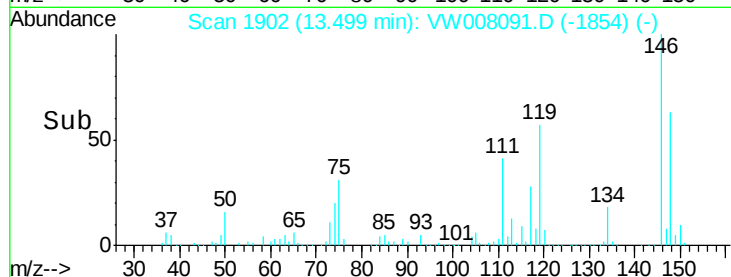
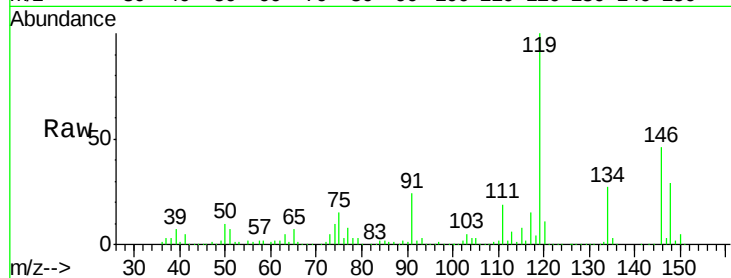




#87
 1,3-Dichlorobenzene
 Concen: 144.328 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

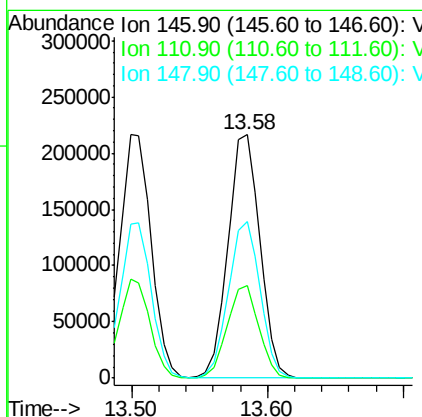
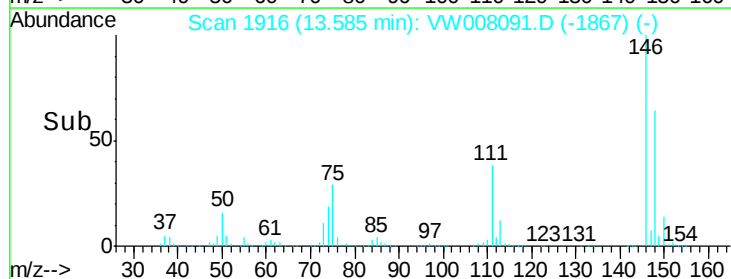
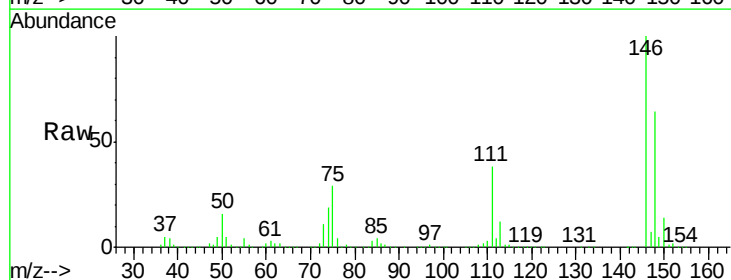
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

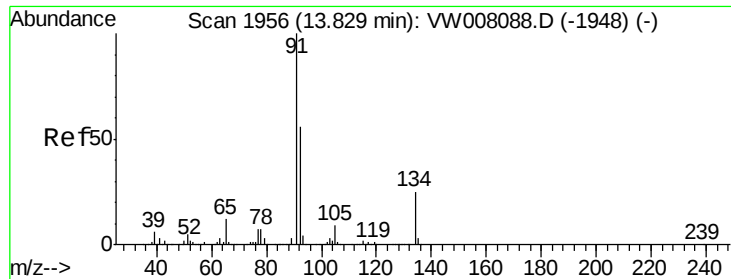
Tot Ion:146 Resp: 354198
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.1 63.1
 148 63.4 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 144.992 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion:146 Resp: 353018
 Ion Ratio Lower Upper
 146 100
 111 37.9 20.5 61.5
 148 63.9 31.6 94.8





#89

n-Butylbenzene

Concen: 146.757 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

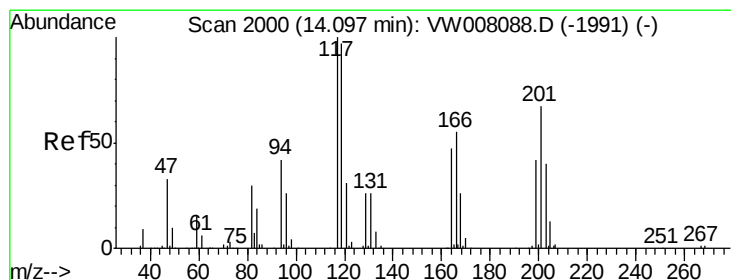
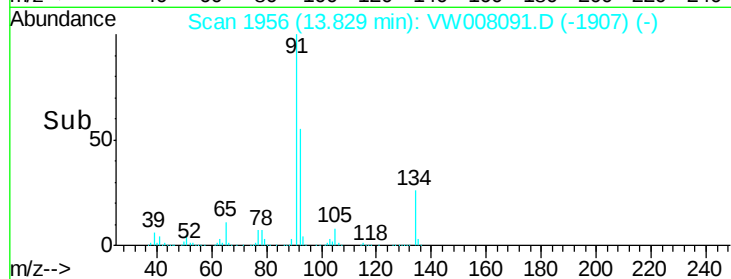
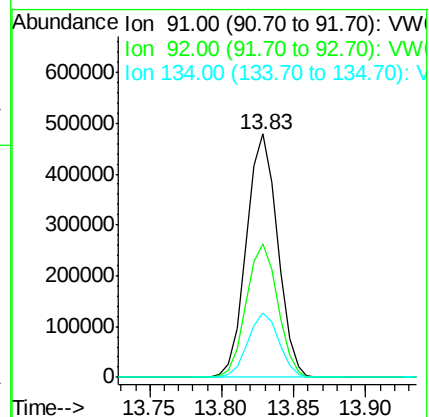
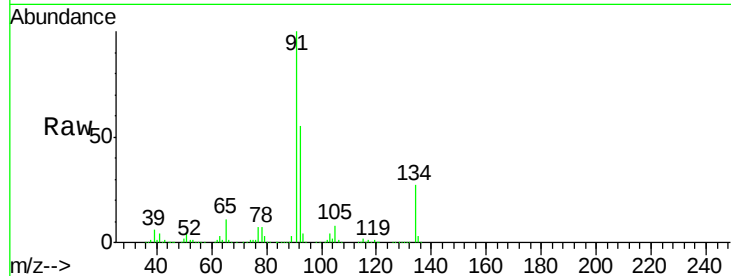
Tot Ion: 91 Resp: 717506

Ion Ratio Lower Upper

91 100

92 55.0 27.4 82.2

134 26.5 12.6 37.8



#90

Hexachloroethane

Concen: 145.704 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008091.D

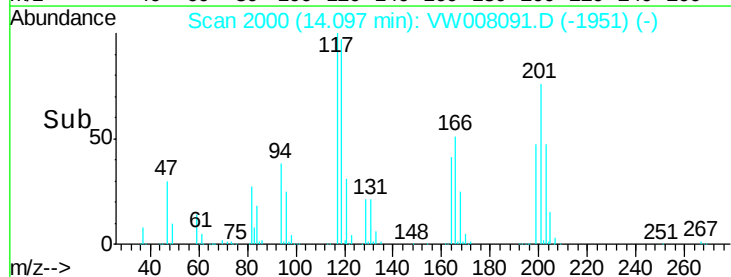
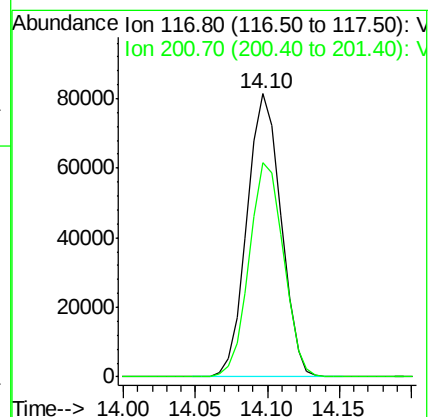
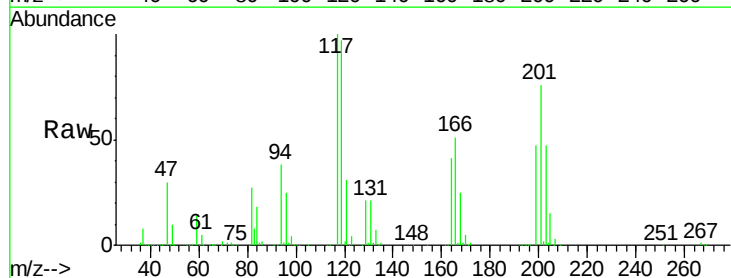
Acq: 08 Jan 2019 17:55

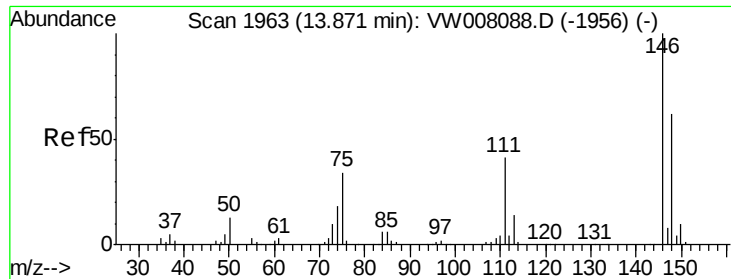
Tgt Ion: 117 Resp: 133349

Ion Ratio Lower Upper

117 100

201 76.2 33.0 98.9





#91

1,2-Dichlorobenzene

Concen: 144.963 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

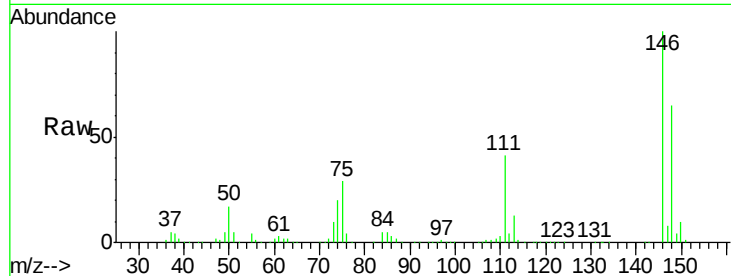
Tot Ion:146 Resp: 313158

Ion Ratio Lower Upper

146 100

111 40.5 21.3 63.7

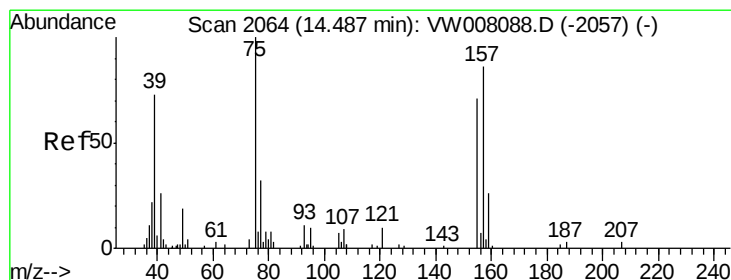
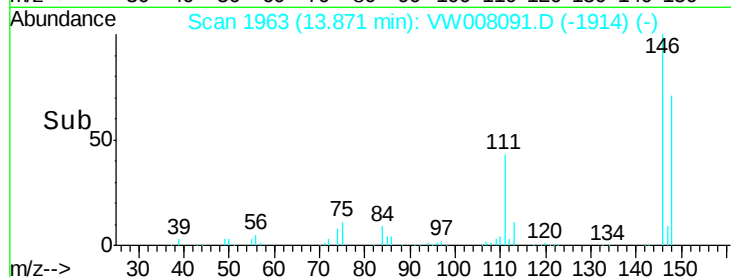
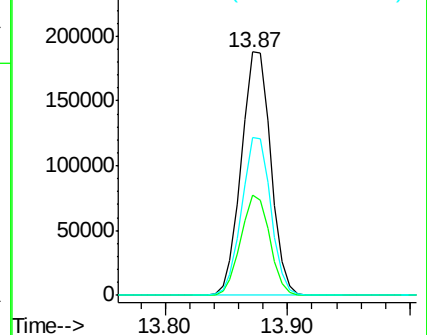
148 64.0 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 148.016 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

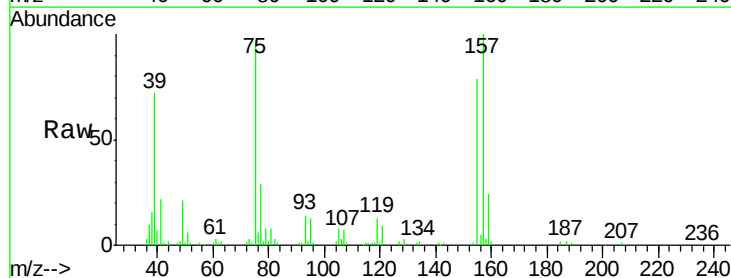
Tgt Ion: 75 Resp: 21750

Ion Ratio Lower Upper

75 100

155 86.0 38.6 115.7

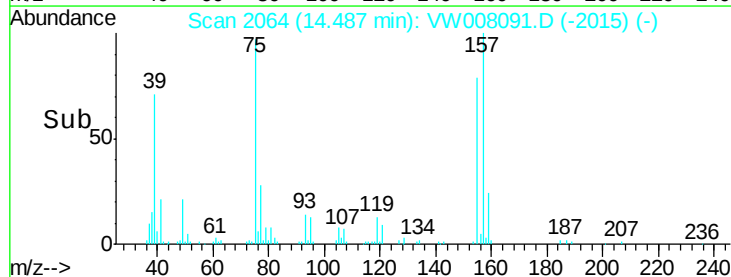
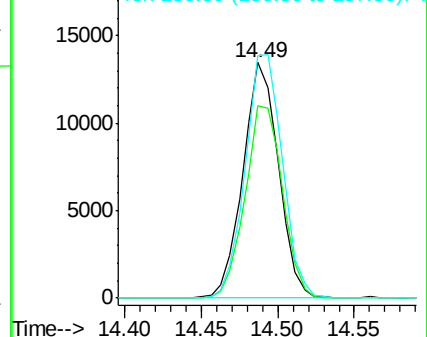
157 108.2 47.5 142.6

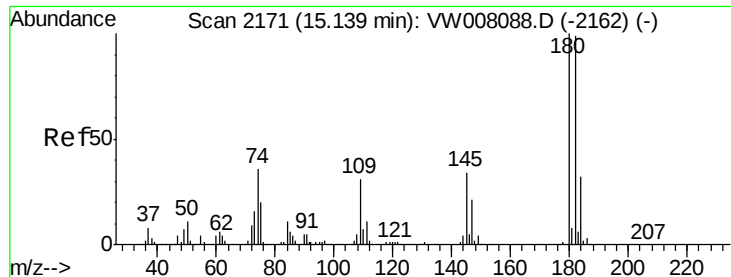


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

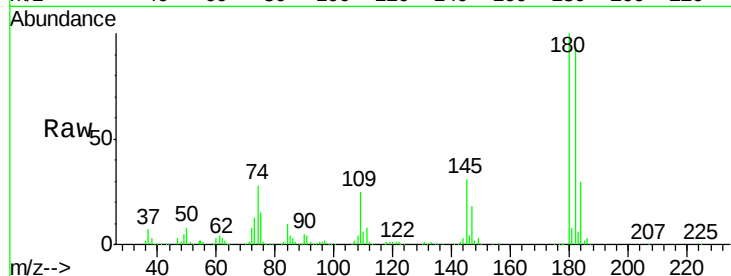




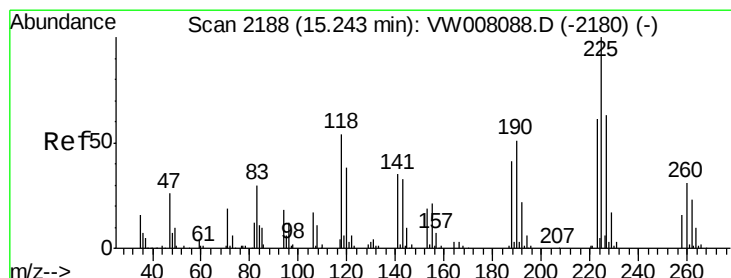
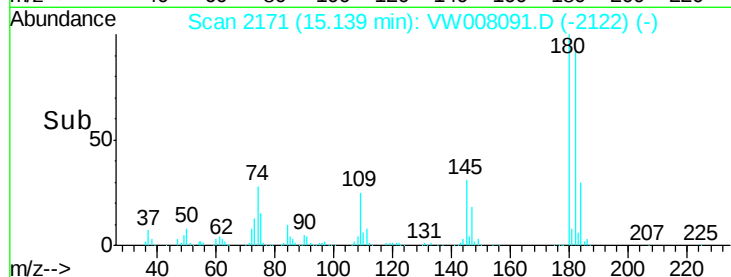
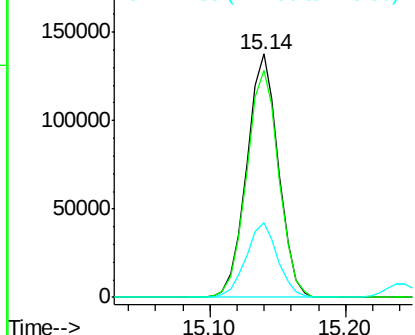
#93
 1,2,4-Trichlorobenzene
 Concen: 150.328 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 224064
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.6 145.9
 145 30.6 16.6 49.7

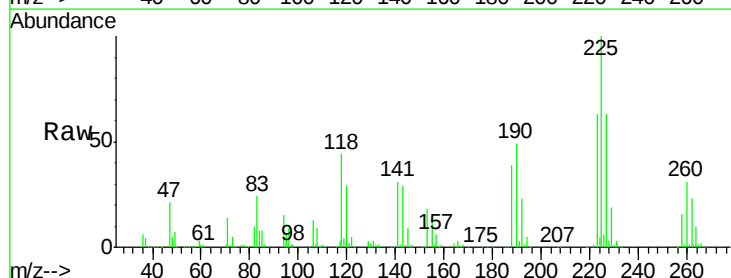


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

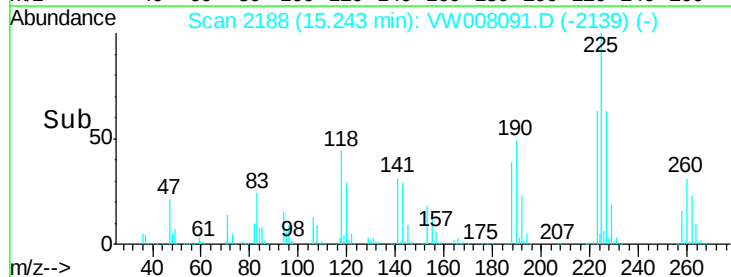
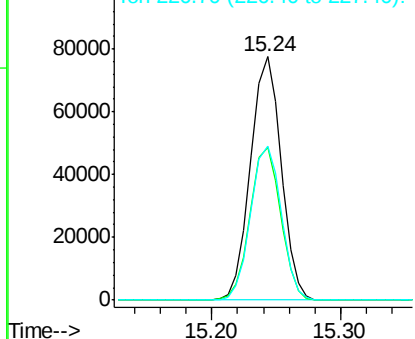


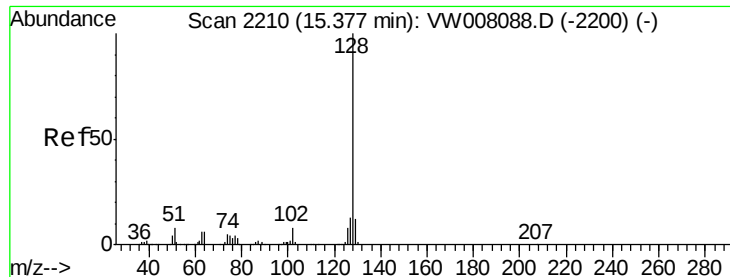
#94
 Hexachlorobutadiene
 Concen: 148.859 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion:225 Resp: 127175
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.4 94.3
 227 63.5 32.0 96.2



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

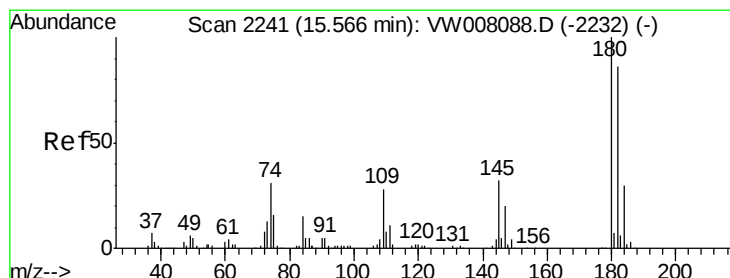
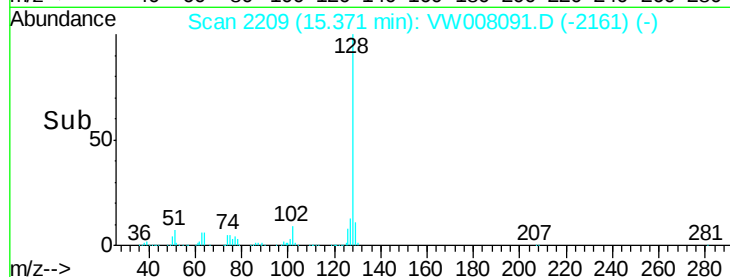
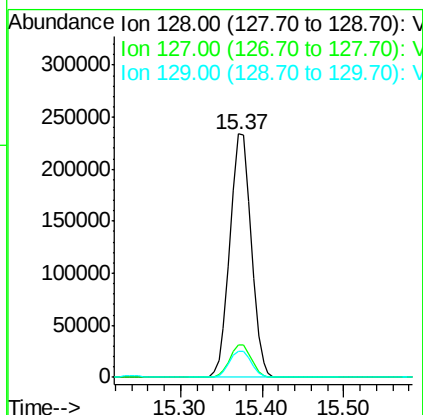
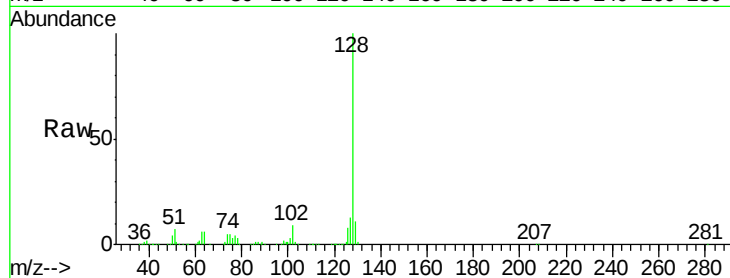




#95
Naphthalene
Concen: 162.438 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 419659
Ion Ratio Lower Upper
128 100
127 13.5 11.0 16.4
129 10.9 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 155.291 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion:180 Resp: 192577
Ion Ratio Lower Upper
180 100
182 95.6 46.5 139.3
145 32.9 17.4 52.2

