

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015792.D
 Acq On : 07 Jul 2020 13:04
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Quant Time: Jul 08 08:19:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 07:52:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159643	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	317759	134.82	ug/l	0.00
Spiked Amount			Recovery	=	269.64%	
35) Dibromofluoromethane	7.89	113	286608	137.59	ug/l	0.00
Spiked Amount			Recovery	=	275.18%	
50) Toluene-d8	10.32	98	1140362	141.26	ug/l	0.00
Spiked Amount			Recovery	=	282.52%	
62) 4-Bromofluorobenzene	12.62	95	423616	142.97	ug/l	0.00
Spiked Amount			Recovery	=	285.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	175955	143.318	ug/l	97
3) Chloromethane	2.21	50	221864	135.315	ug/l	98
4) Vinyl Chloride	2.37	62	334919	131.996	ug/l	99
5) Bromomethane	2.78	94	252846	128.148	ug/l	95
6) Chloroethane	2.92	64	230527	134.220	ug/l	100
7) Trichlorofluoromethane	3.26	101	251929	138.936	ug/l	99
8) Diethyl Ether	3.68	74	155896	136.798	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	290092	134.617	ug/l	99
10) Methyl Iodide	4.28	142	416437	140.759	ug/l	100
11) Tert butyl alcohol	5.20	59	91710	809.170	ug/l	99
12) 1,1-Dichloroethene	4.04	96	291238	138.719	ug/l	98
13) Acrolein	3.89	56	109542	672.599	ug/l	99
14) Allyl chloride	4.67	41	493247	144.778	ug/l	98
15) Acrylonitrile	5.37	53	332373	756.354	ug/l	99
16) Acetone	4.13	43	301829	691.631	ug/l	99
17) Carbon Disulfide	4.38	76	877251	140.476	ug/l	99
18) Methyl Acetate	4.67	43	146788	148.239	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	440667	141.772	ug/l	99
20) Methylene Chloride	4.92	84	309878	117.931	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	345225	142.839	ug/l	95
22) Diisopropyl ether	6.32	45	990416	144.654	ug/l	98
23) Vinyl Acetate	6.26	43	3127827	772.497	ug/l	99
24) 1,1-Dichloroethane	6.22	63	608293	140.200	ug/l	99
25) 2-Butanone	7.18	43	441491	743.394	ug/l	100
26) 2,2-Dichloropropane	7.17	77	358965	132.443	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	375016	143.817	ug/l	100
28) Bromochloromethane	7.51	49	221991	128.698	ug/l	99
29) Tetrahydrofuran	7.54	42	285398	795.315	ug/l	99
30) Chloroform	7.68	83	615332	138.903	ug/l	100
31) Cyclohexane	7.96	56	542518	132.349	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	520620	140.385	ug/l	99
36) 1,1-Dichloropropene	8.09	75	499973	141.435	ug/l	99
37) Ethyl Acetate	7.26	43	206352	154.990	ug/l	99
38) Carbon Tetrachloride	8.07	117	490785	144.422	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	624925	149.429	ug/l	99
40) Benzene	8.32	78	1378491	142.675	ug/l	99
41) Methacrylonitrile	7.49	41	119789	155.815	ug/l	99
42) 1,2-Dichloroethane	8.40	62	418705	139.910	ug/l	99
43) Isopropyl Acetate	8.43	43	408460	154.199	ug/l	99
44) Trichloroethene	9.10	130	366197	143.295	ug/l	99
45) 1,2-Dichloropropane	9.37	63	337690	142.590	ug/l	99
46) Dibromomethane	9.46	93	177867	145.610	ug/l	100
47) Bromodichloromethane	9.65	83	472720	149.196	ug/l	99
48) Methyl methacrylate	9.44	41	197849	158.261	ug/l	98
49) 1,4-Dioxane	9.46	88	48241	3115.283	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	1018166	785.950	ug/l	99
52) Toluene	10.39	92	907460	146.990	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	482436	159.079	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	563704	155.426	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	249794	147.043	ug/l	99
56) Ethyl methacrylate	10.65	69	344824	165.863	ug/l	98
57) 1,3-Dichloropropane	10.93	76	441459	147.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	784899	786.561	ug/l	99
59) 2-Hexanone	10.97	43	693505	799.403	ug/l	97
60) Dibromochloromethane	11.13	129	302164	153.743	ug/l	100
61) 1,2-Dibromoethane	11.24	107	242939	150.727	ug/l	97
64) Tetrachloroethene	10.87	164	301942	142.458	ug/l	93
65) Chlorobenzene	11.66	112	936443	142.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	342289	147.478	ug/l	99
67) Ethyl Benzene	11.73	91	1767010	145.488	ug/l	99
68) m/p-Xylenes	11.84	106	1327671	291.310	ug/l	99
69) o-Xylene	12.17	106	620774	149.511	ug/l	99
70) Styrene	12.18	104	1091350	152.676	ug/l	99
71) Bromoform	12.35	173	171206	162.030	ug/l #	97
73) Isopropylbenzene	12.46	105	1741939	154.728	ug/l	100
74) N-amyl acetate	12.27	43	392772	164.558	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	282954	151.980	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	202859m	136.322	ug/l	
77) Bromobenzene	12.75	156	376600	150.046	ug/l	98
78) n-propylbenzene	12.80	91	2045463	149.299	ug/l	99
79) 2-Chlorotoluene	12.90	91	1154210	148.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1445411	150.730	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	98359	180.373	ug/l	94
82) 4-Chlorotoluene	12.99	91	1202951	147.652	ug/l	100
83) tert-Butylbenzene	13.21	119	1217116	152.447	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1421824	148.723	ug/l	99
85) sec-Butylbenzene	13.38	105	1727166	150.242	ug/l	99
86) p-Isopropyltoluene	13.50	119	1597483	152.481	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	739673	145.617	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	698113	141.245	ug/l	99
89) n-Butylbenzene	13.82	91	1516125	150.653	ug/l	99
90) Hexachloroethane	14.10	117	290683	151.934	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	626515	143.288	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47030	158.311	ug/l	97

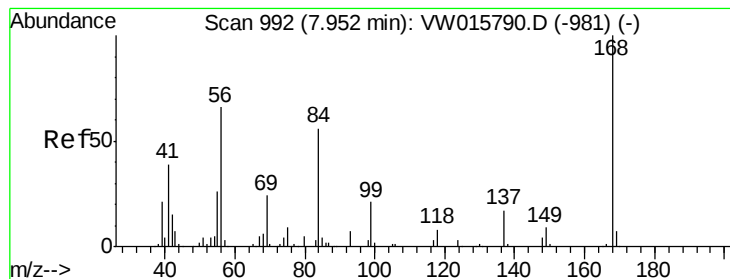
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	427833	155.299	ug/l	98
94) Hexachlorobutadiene	15.24	225	260517	148.942	ug/l	97
95) Naphthalene	15.36	128	800750	174.317	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	370716	159.313	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

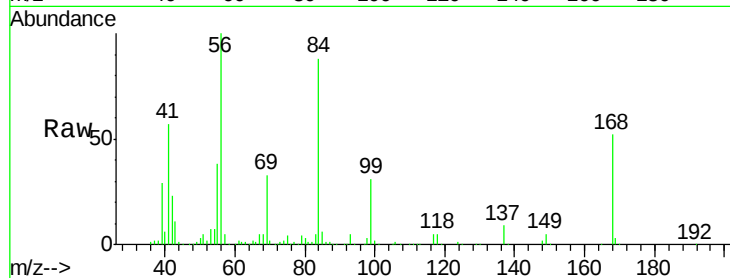
VSTDIC150

Tot Ion:168 Resp: 228502

Ion Ratio Lower Upper

168 100

99 59.2 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

100000

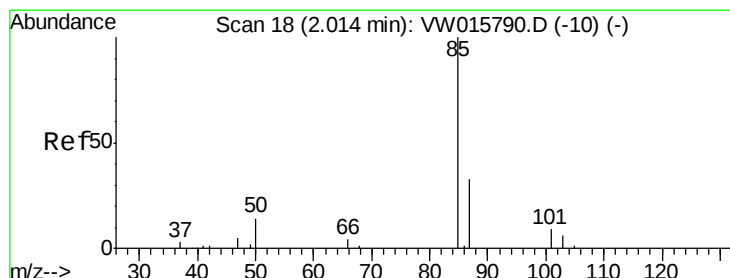
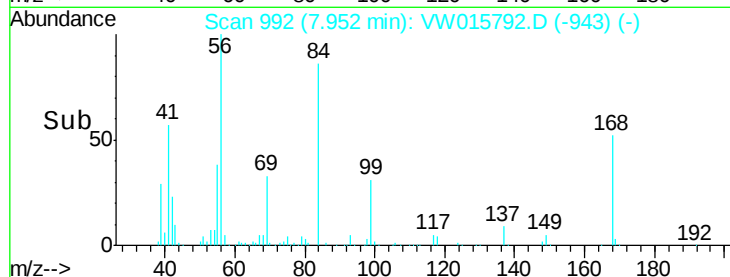
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 143.318 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015792.D

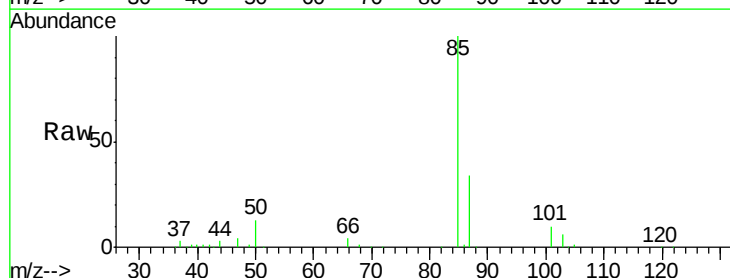
Acq: 07 Jul 2020 13:04

Tgt Ion: 85 Resp: 175955

Ion Ratio Lower Upper

85 100

87 34.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

20000

10000

0

1.90

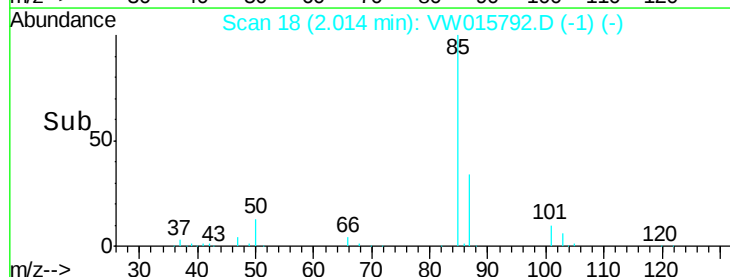
2.00

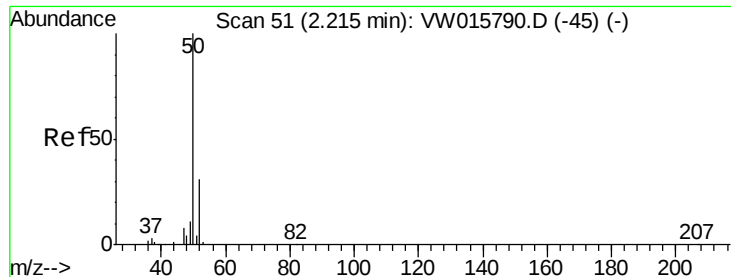
2.10

2.20

2.30

Time-->





#3

Chloromethane

Concen: 135.315 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

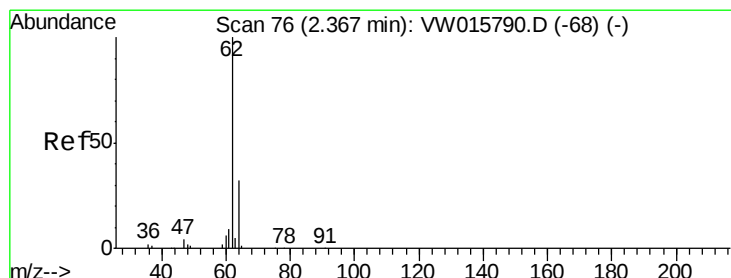
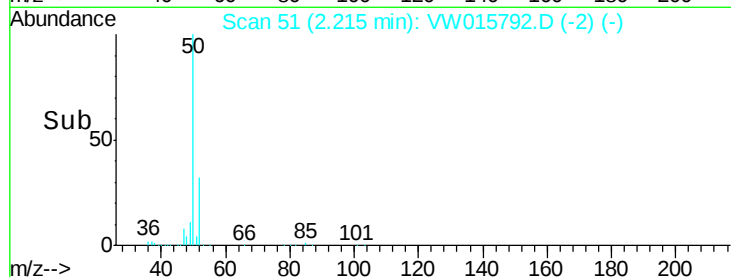
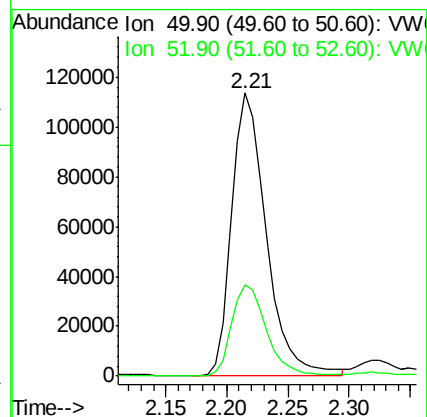
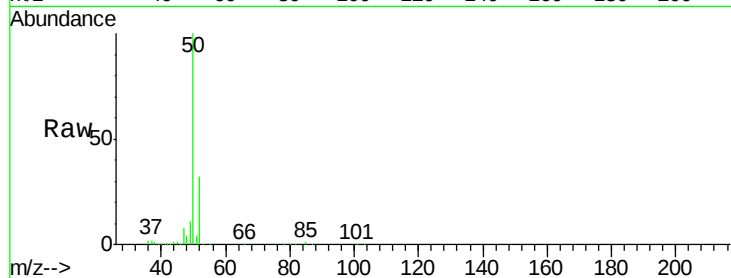
VSTDIC150

Tot Ion: 50 Resp: 221864

Ion Ratio Lower Upper

50 100

52 32.5 25.2 37.8



#4

Vinyl Chloride

Concen: 131.996 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015792.D

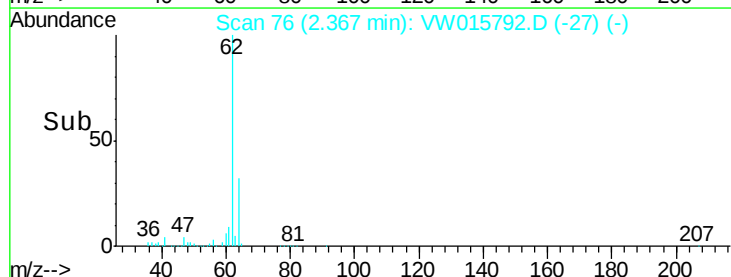
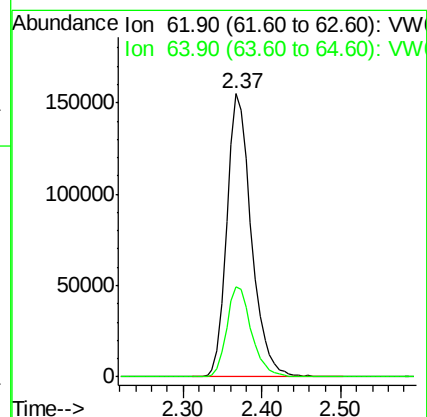
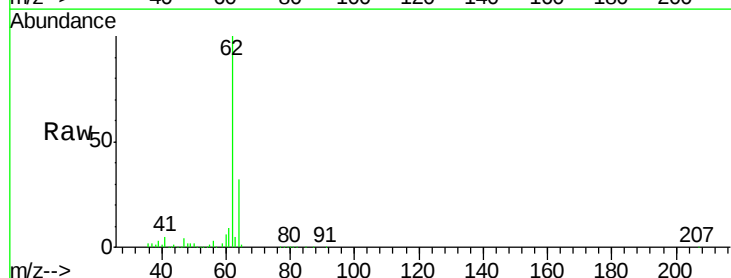
Acq: 07 Jul 2020 13:04

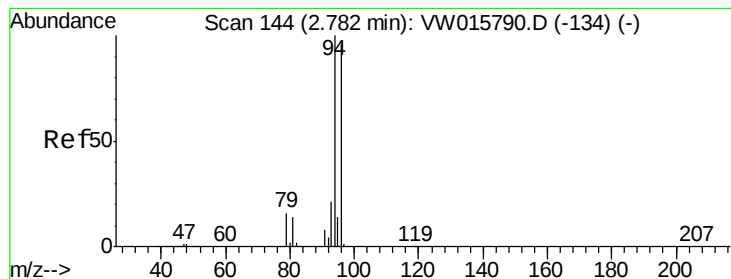
Tgt Ion: 62 Resp: 334919

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 128.148 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

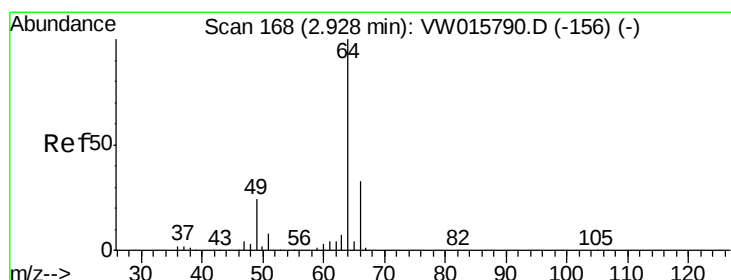
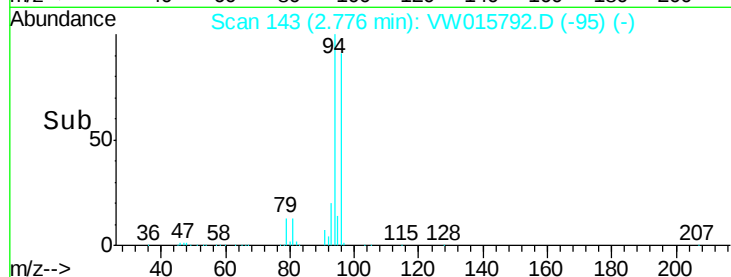
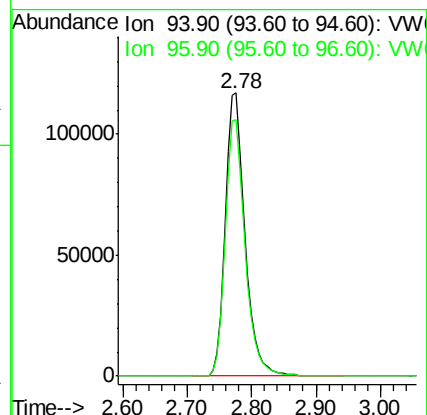
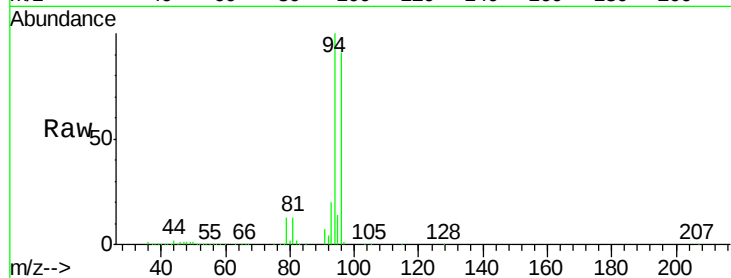
VSTDIC150

Tot Ion: 94 Resp: 252846

Ion Ratio Lower Upper

94 100

96 90.6 76.7 115.1



#6

Chloroethane

Concen: 134.220 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015792.D

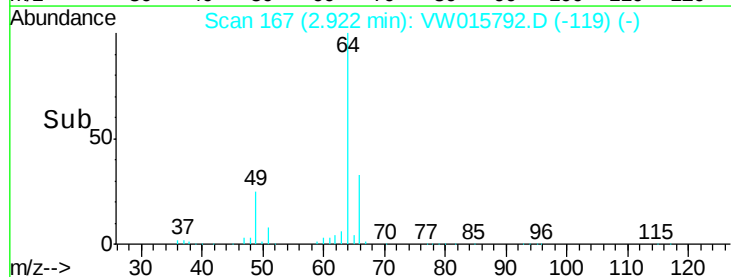
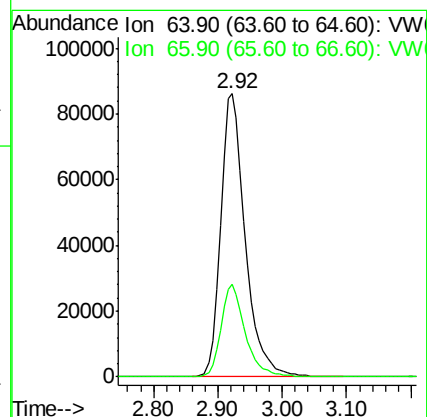
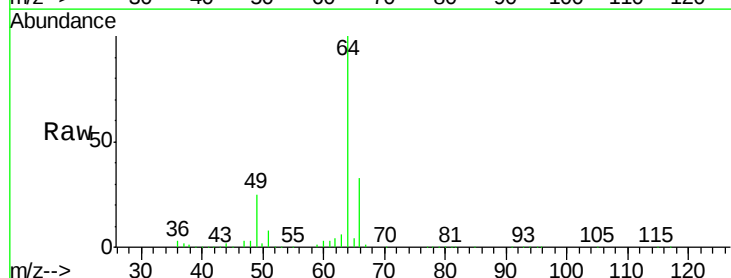
Acq: 07 Jul 2020 13:04

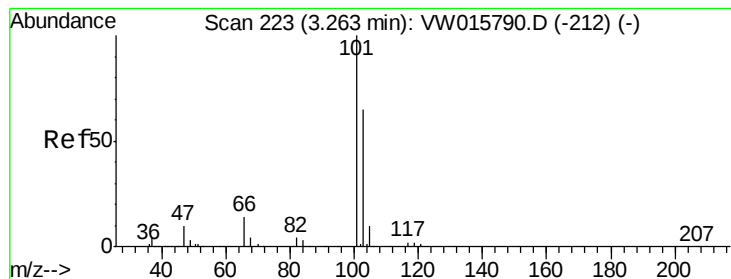
Tgt Ion: 64 Resp: 230527

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0



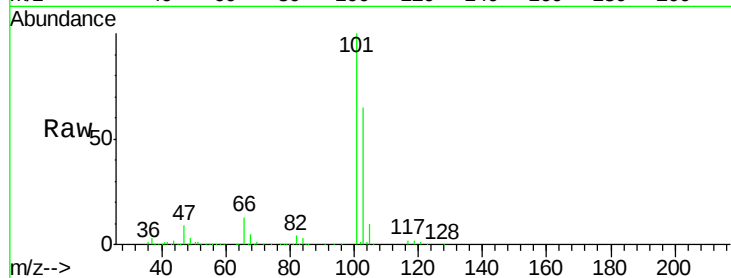


#7

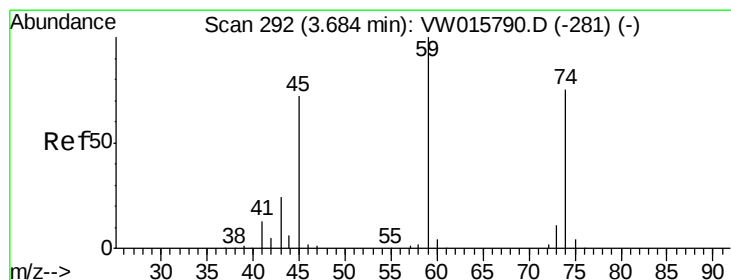
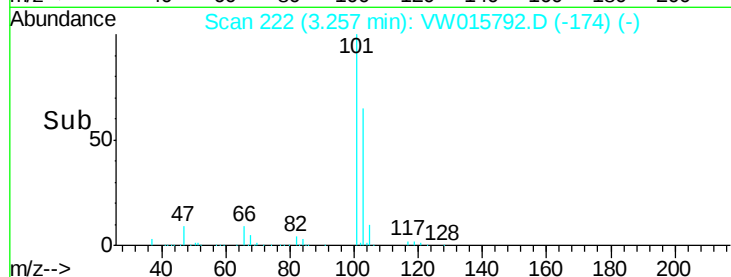
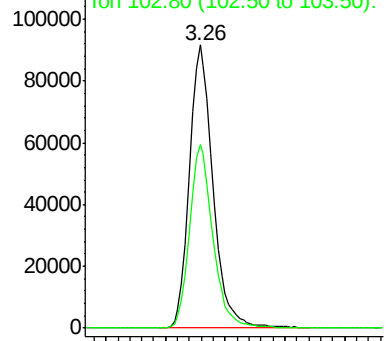
Trichlorofluoromethane
 Concen: 138.936 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Instrument :
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 VSTDIC150

Tot Ion:101 Resp: 251929
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.2 78.4



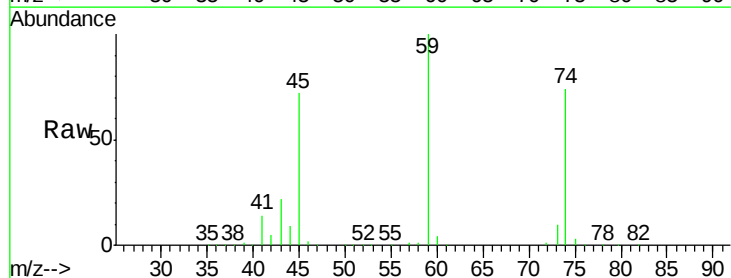
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



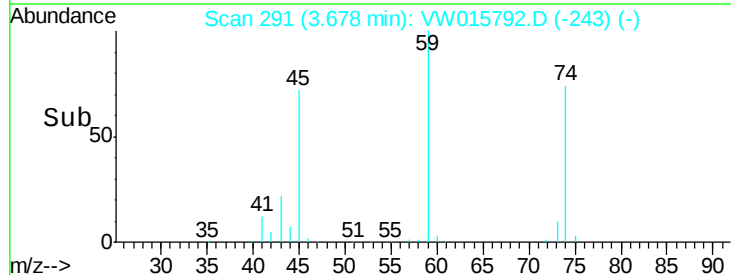
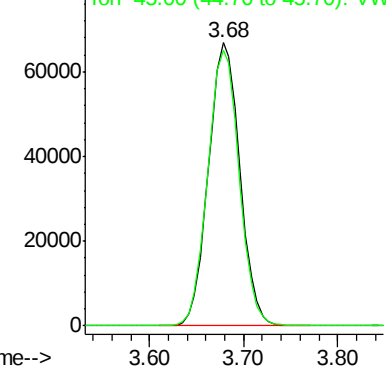
#8

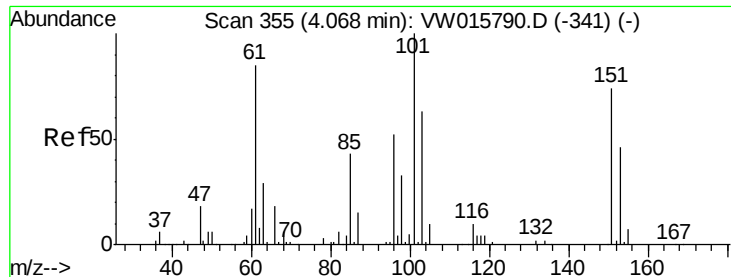
Diethyl Ether
 Concen: 136.798 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion: 74 Resp: 155896
 Ion Ratio Lower Upper
 74 100
 45 96.9 48.6 145.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.617 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

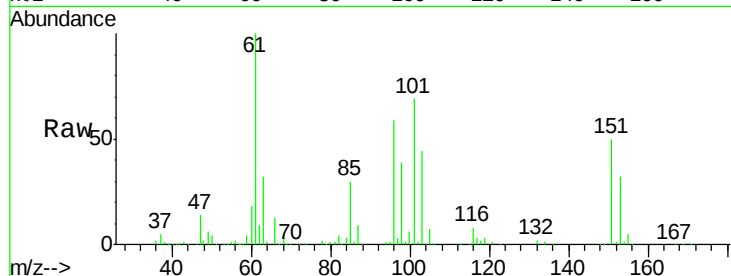
Tot Ion:101 Resp: 290092

Ion Ratio Lower Upper

101 100

85 44.9 36.1 54.1

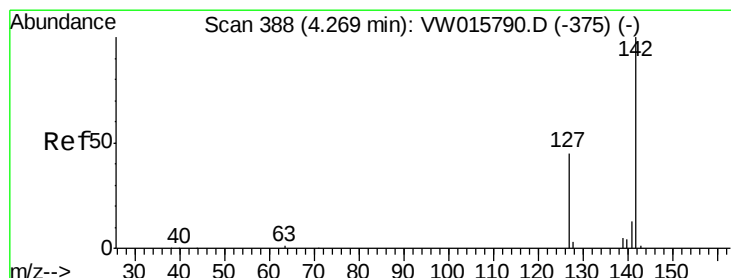
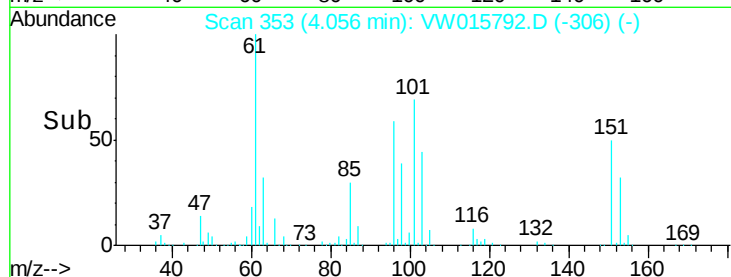
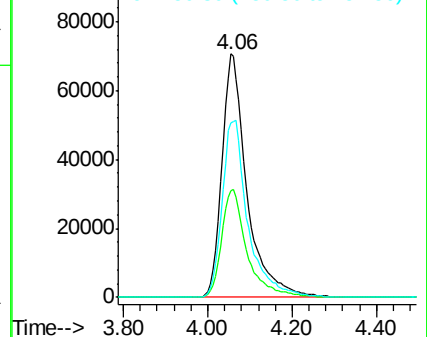
151 74.8 60.3 90.5



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: 140.759 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

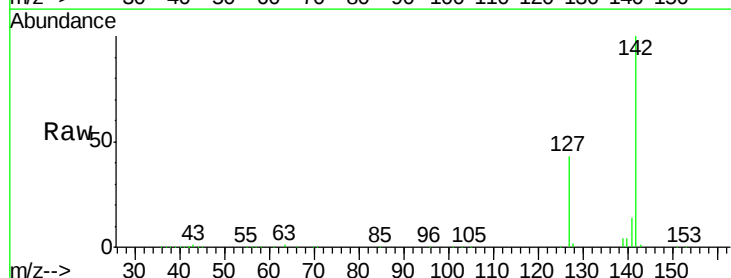
Tgt Ion:142 Resp: 416437

Ion Ratio Lower Upper

142 100

127 44.8 36.1 54.1

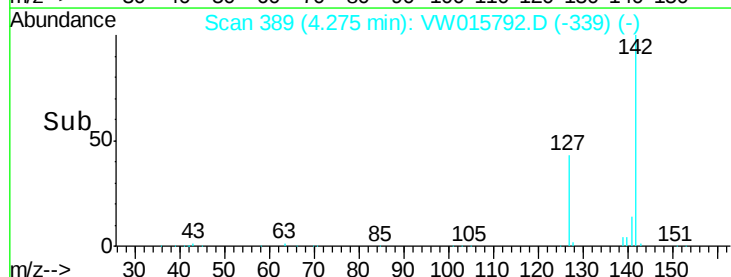
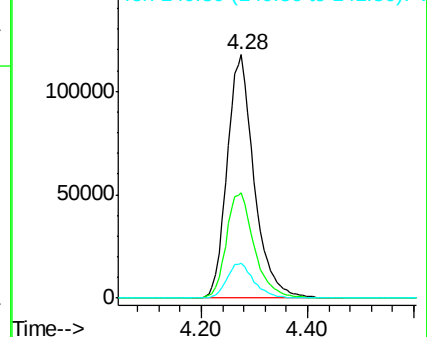
141 14.5 11.7 17.5

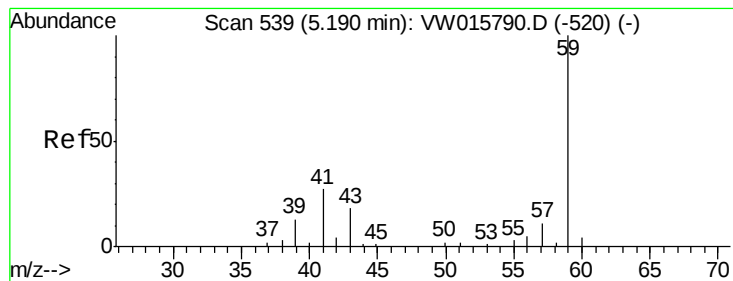


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



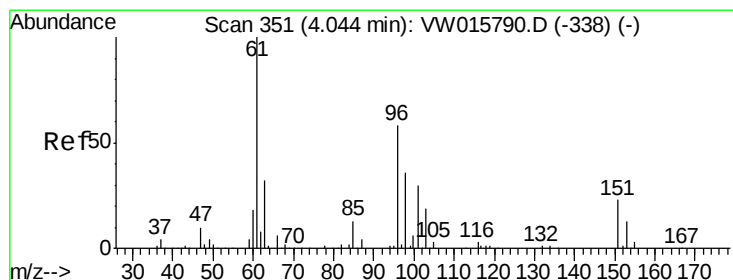
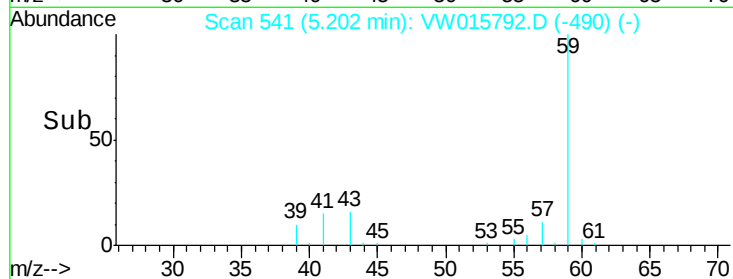
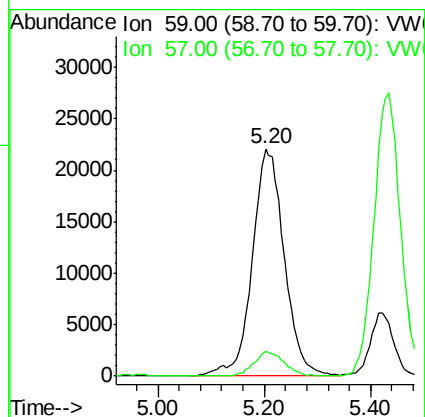
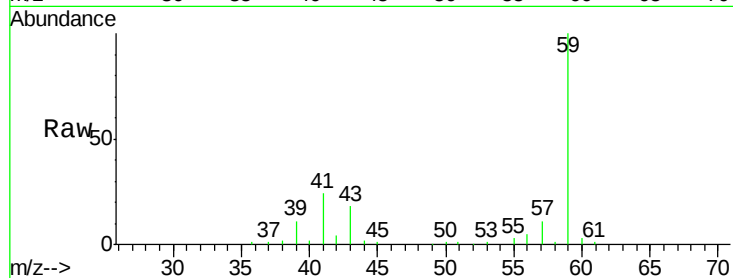


#11

Tert butyl alcohol
 Concen: 809.170 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

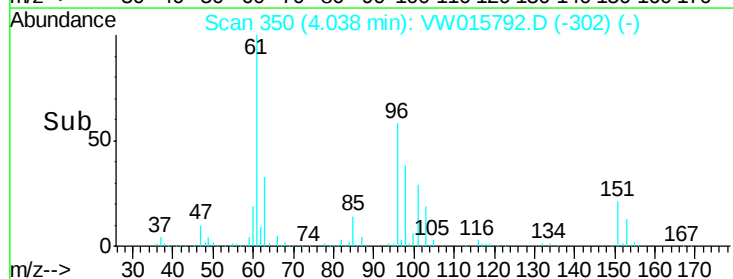
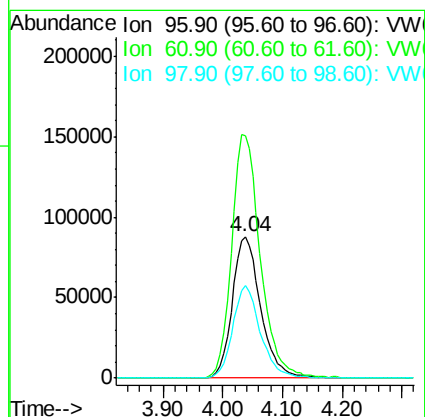
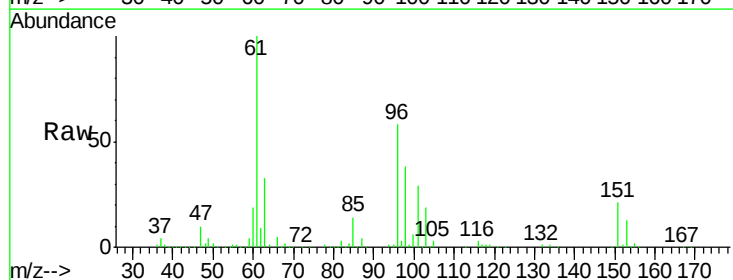
Tot Ion: 59 Resp: 91710
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.7 13.1

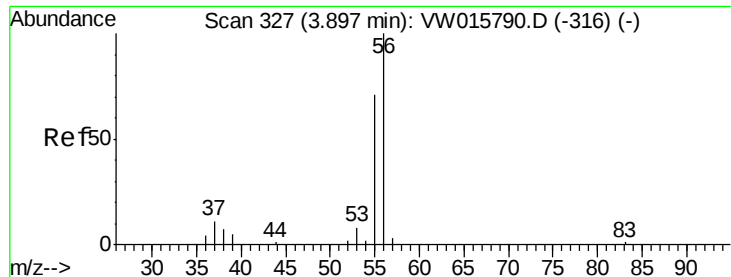


#12

1,1-Dichloroethene
 Concen: 138.719 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion: 96 Resp: 291238
 Ion Ratio Lower Upper
 96 100
 61 171.6 137.0 205.4
 98 65.7 49.3 73.9

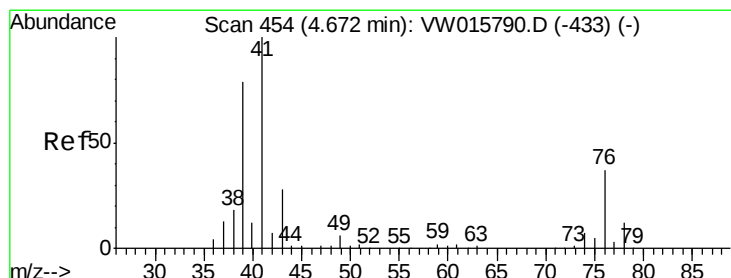
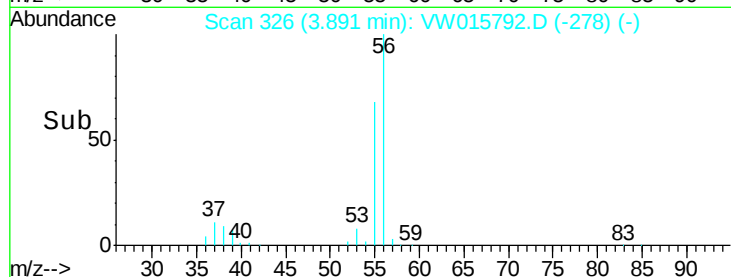
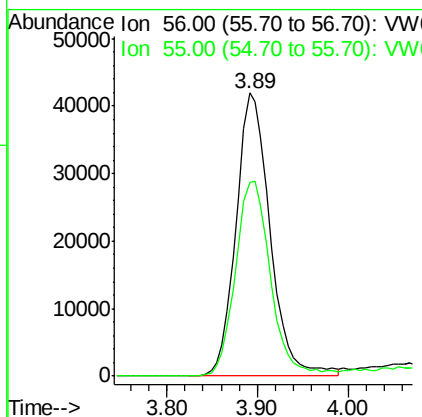
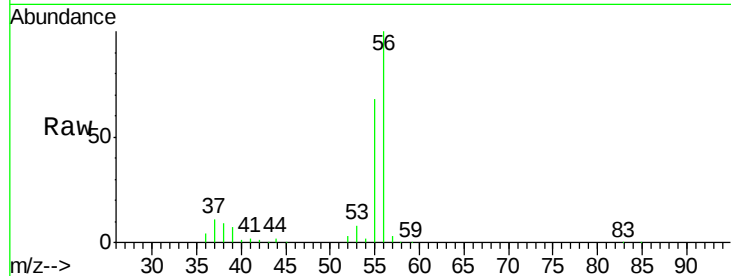




#13
Acrolein
Concen: 672.599 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

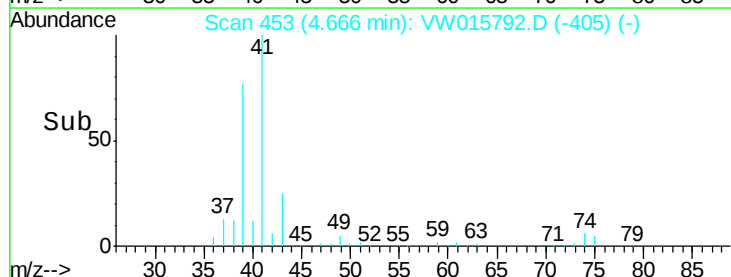
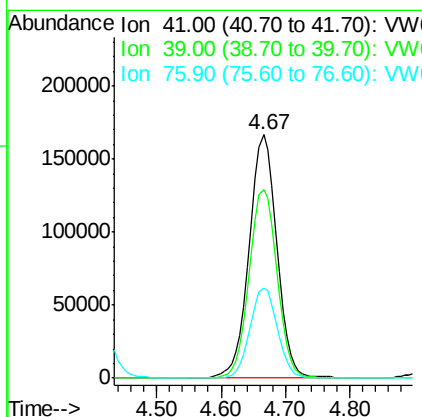
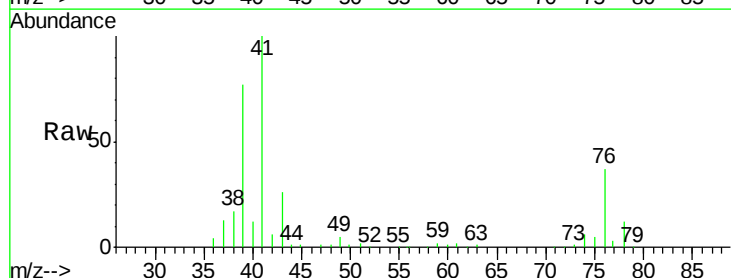
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

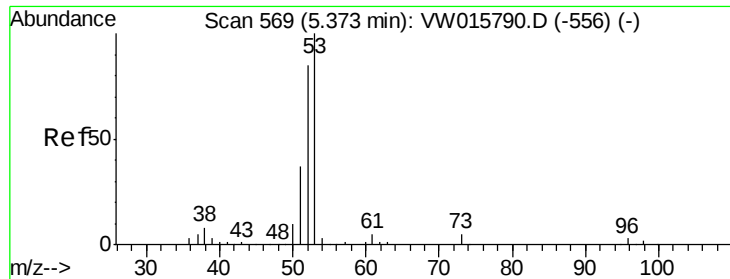
Tot Ion: 56 Resp: 109542
Ion Ratio Lower Upper
56 100
55 70.7 55.8 83.6



#14
Allyl chloride
Concen: 144.778 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion: 41 Resp: 493247
Ion Ratio Lower Upper
41 100
39 78.0 64.0 96.0
76 36.3 28.9 43.3





#15

Acrylonitrile

Concen: 756.354 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

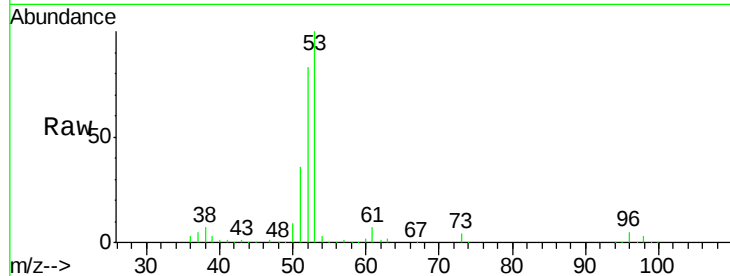
Tot Ion: 53 Resp: 332373

Ion Ratio Lower Upper

53 100

52 83.1 65.8 98.8

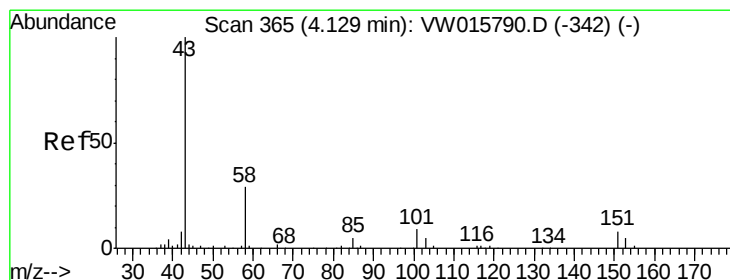
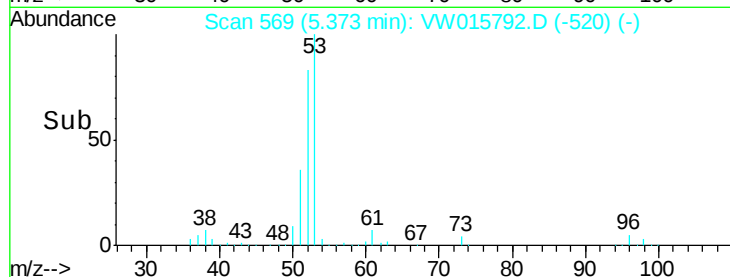
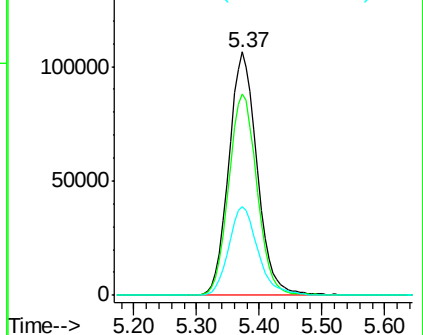
51 37.6 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 691.631 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015792.D

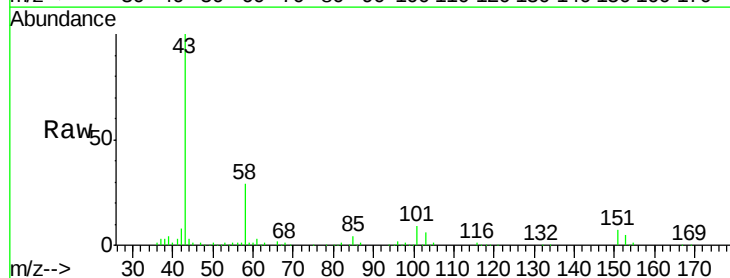
Acq: 07 Jul 2020 13:04

Tgt Ion: 43 Resp: 301829

Ion Ratio Lower Upper

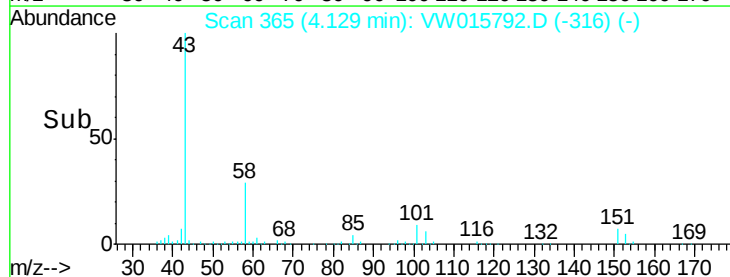
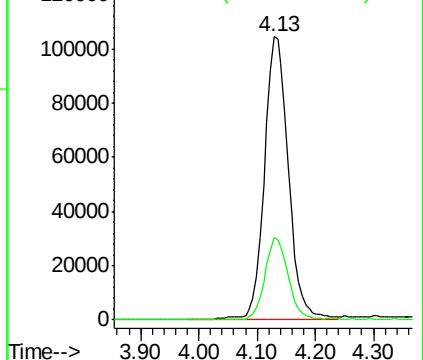
43 100

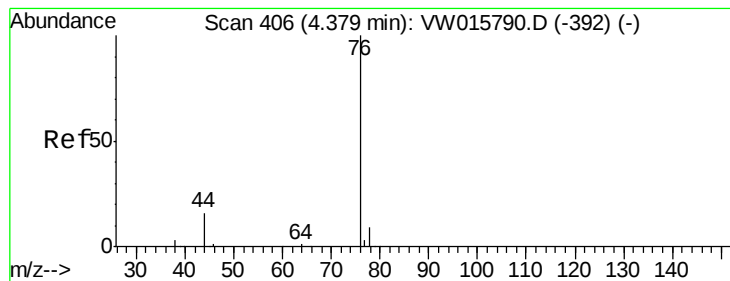
58 28.9 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 140.476 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

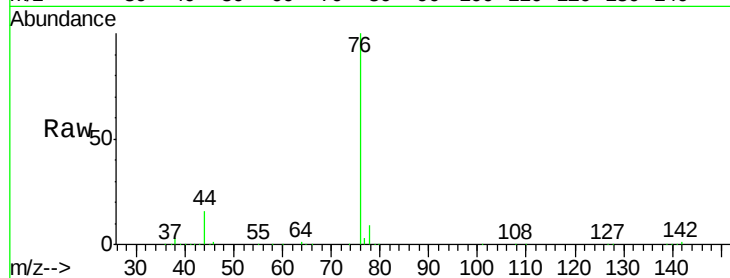
VSTDIC150

Tot Ion: 76 Resp: 877251

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

300000

250000

200000

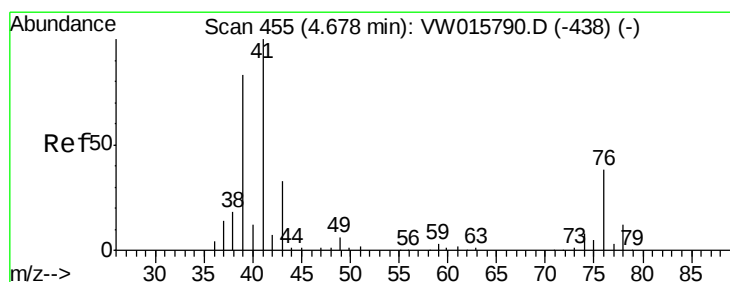
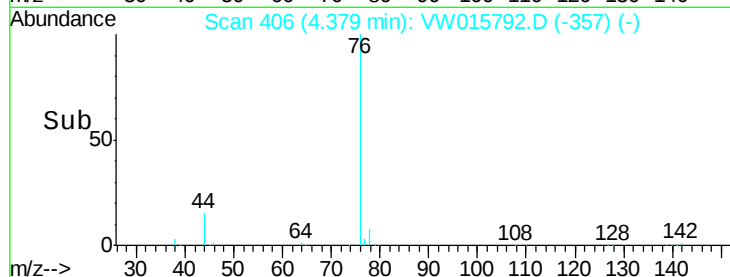
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 148.239 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015792.D

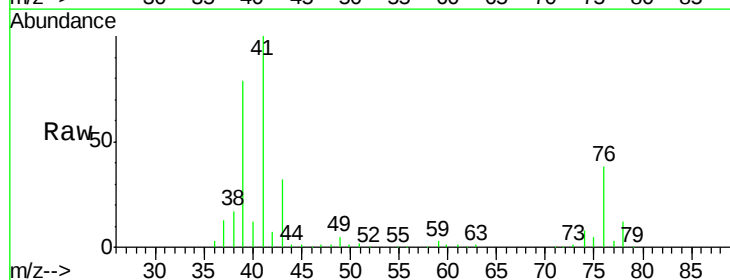
Acq: 07 Jul 2020 13:04

Tgt Ion: 43 Resp: 146788

Ion Ratio Lower Upper

43 100

74 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

60000

50000

40000

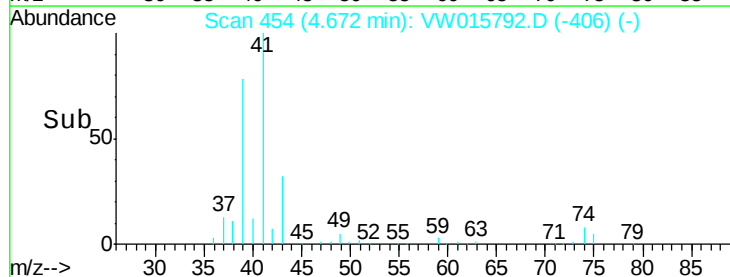
30000

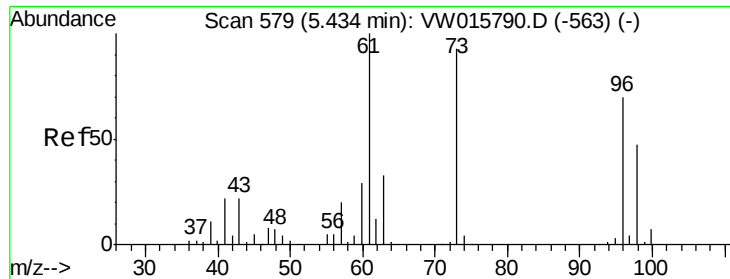
20000

10000

0

Time-->

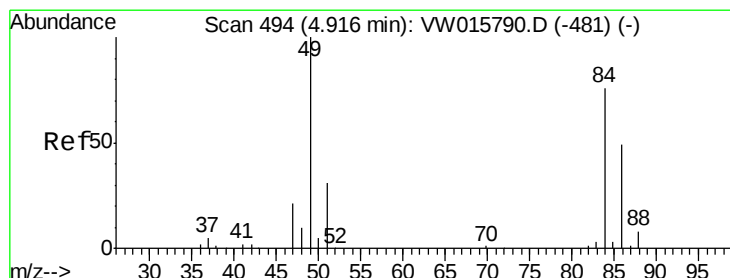
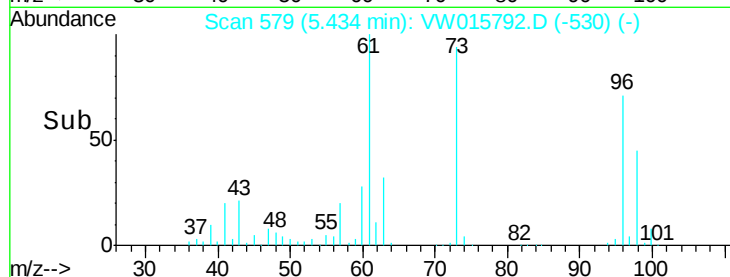
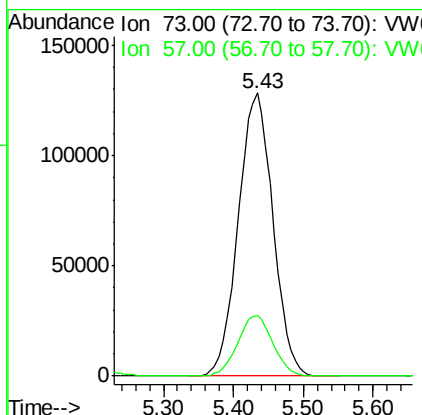
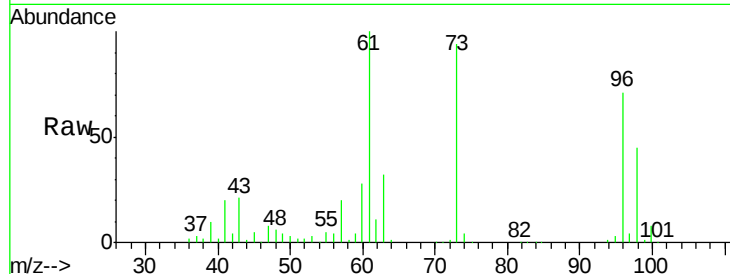




#19
Methvl tert-butvl Ether
Concen: 141.772 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

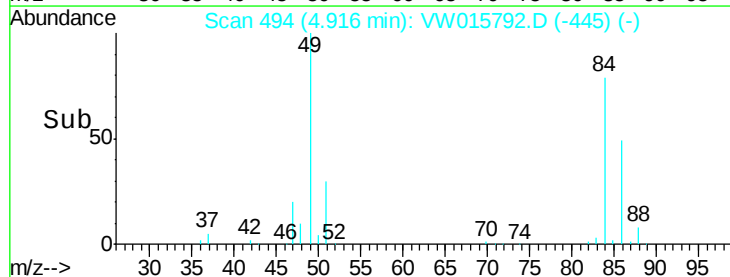
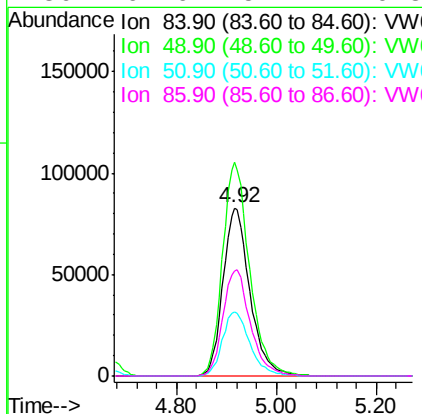
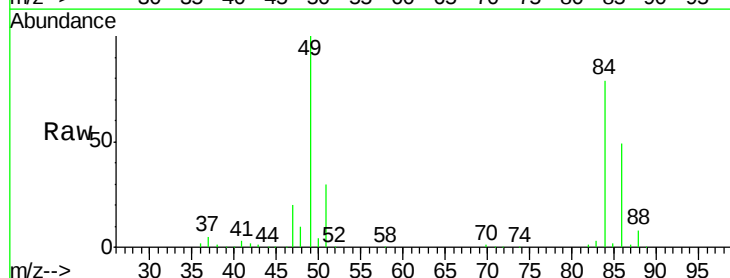
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

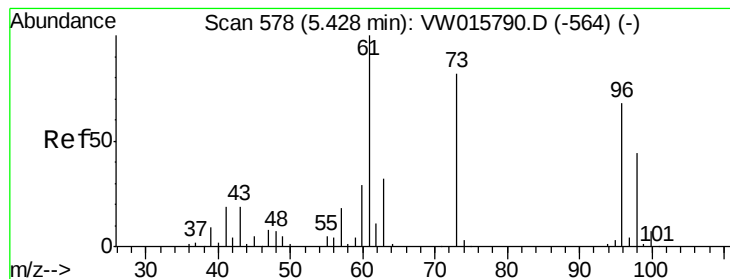
Tot Ion: 73 Resp: 440667
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2



#20
Methylene Chloride
Concen: 117.931 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion: 84 Resp: 309878
Ion Ratio Lower Upper
84 100
49 127.0 105.0 157.6
51 38.1 32.3 48.5
86 62.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 142.839 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

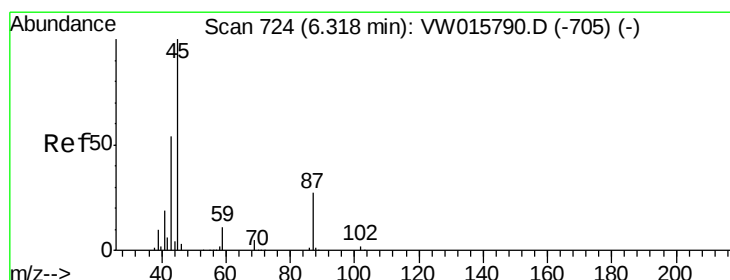
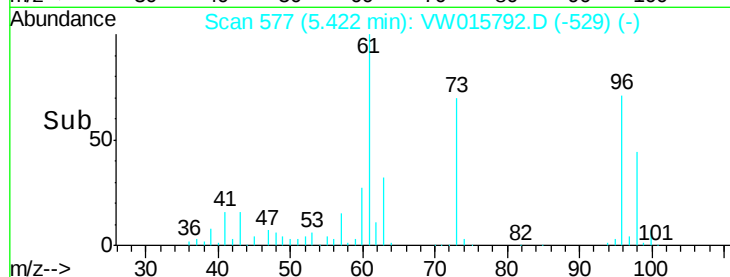
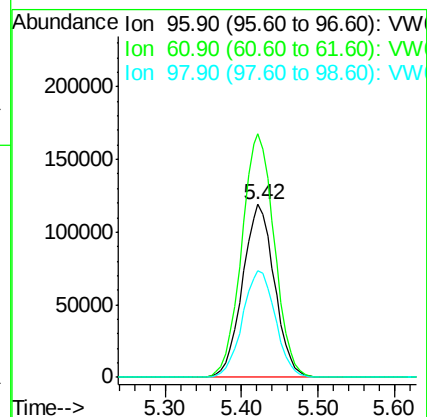
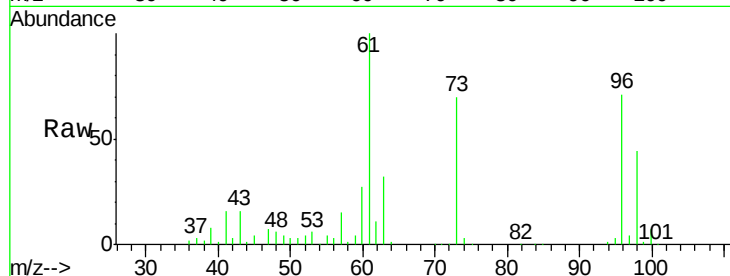
Tot Ion: 96 Resp: 345225

Ion Ratio Lower Upper

96 100

61 140.9 118.1 177.1

98 61.9 52.6 78.8



#22

Diisopropyl ether

Concen: 144.654 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Tgt Ion: 45 Resp: 990416

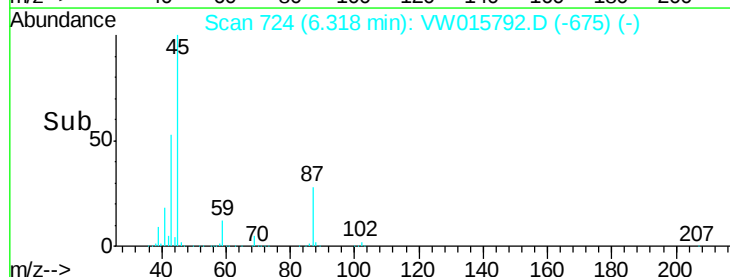
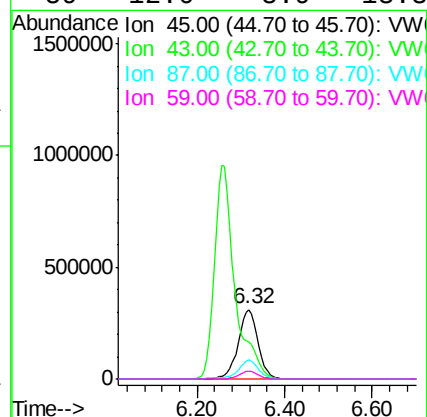
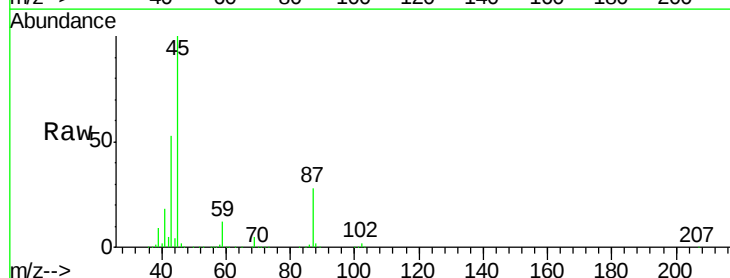
Ion Ratio Lower Upper

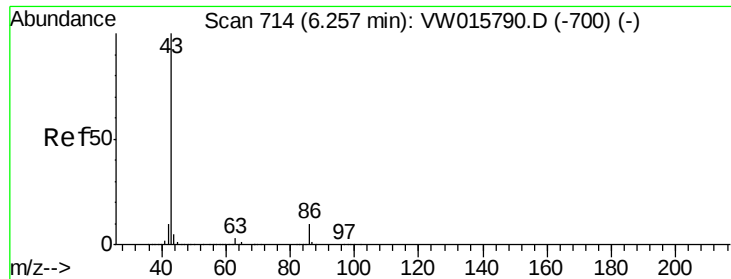
45 100

43 53.3 43.8 65.6

87 28.5 22.1 33.1

59 12.0 8.9 13.3





#23

Vinyl Acetate

Concen: 772.497 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

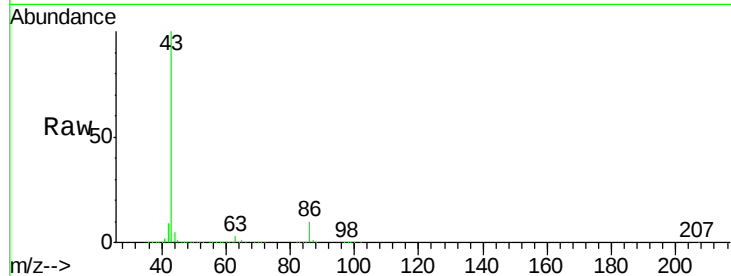
VSTDIC150

Tot Ion: 43 Resp: 3127827

Ion Ratio Lower Upper

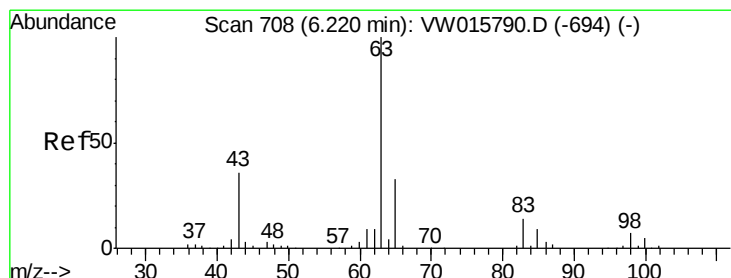
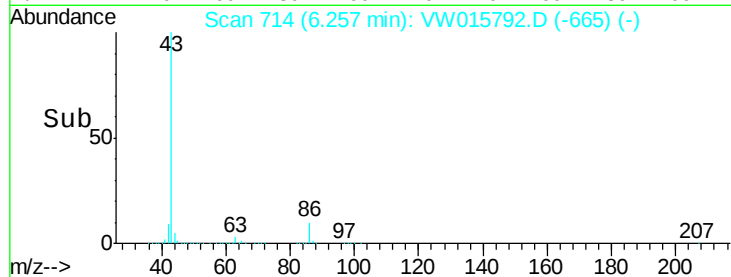
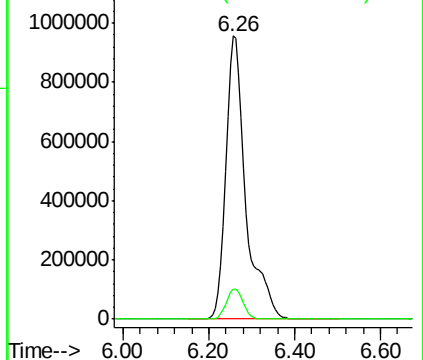
43 100

86 10.5 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 140.200 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

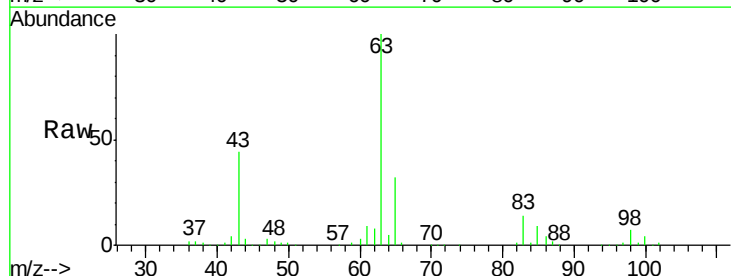
Tgt Ion: 63 Resp: 608293

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

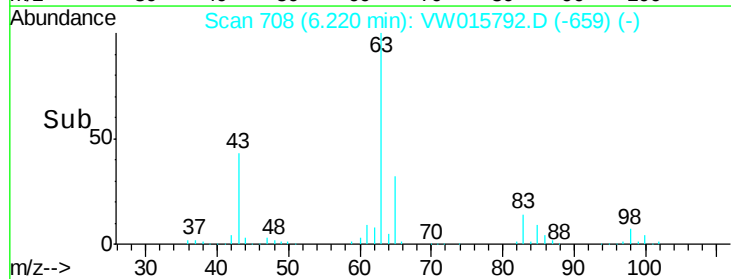
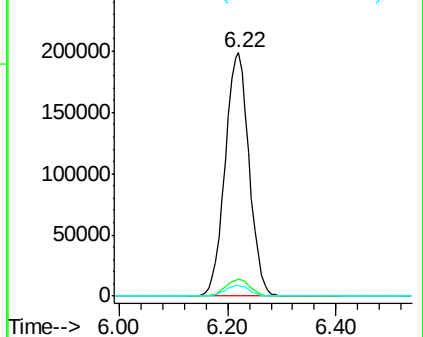
100 4.4 2.4 7.1

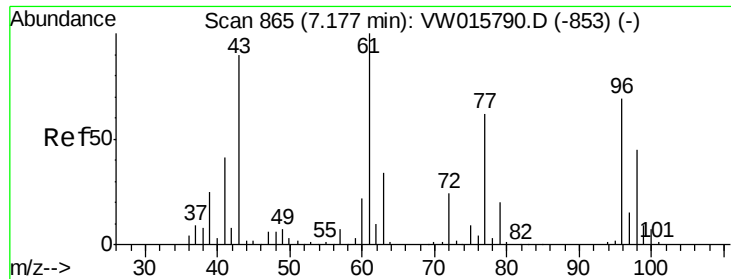


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 743.394 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

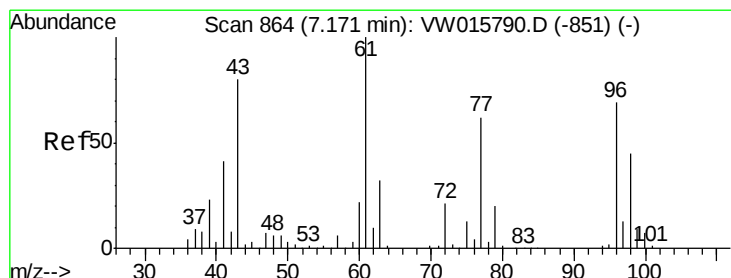
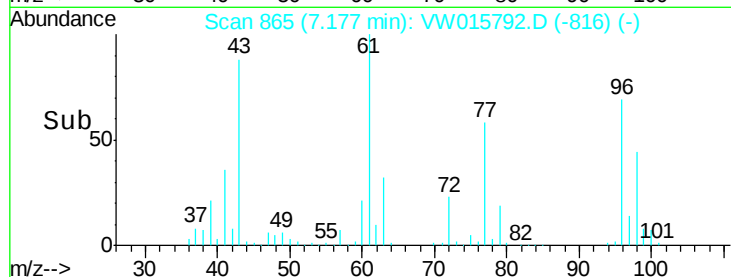
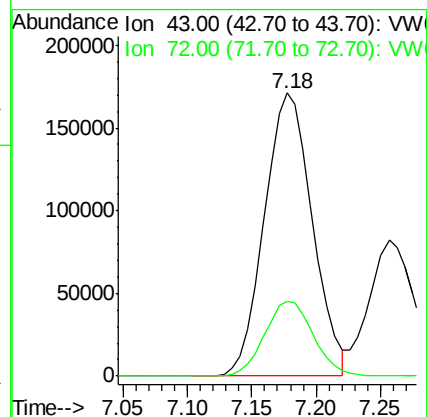
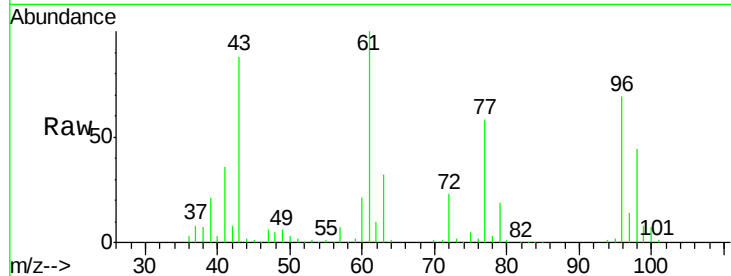
VSTDIC150

Tot Ion: 43 Resp: 441491

Ion Ratio Lower Upper

43 100

72 26.3 21.3 31.9



#26

2,2-Dichloropropane

Concen: 132.443 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015792.D

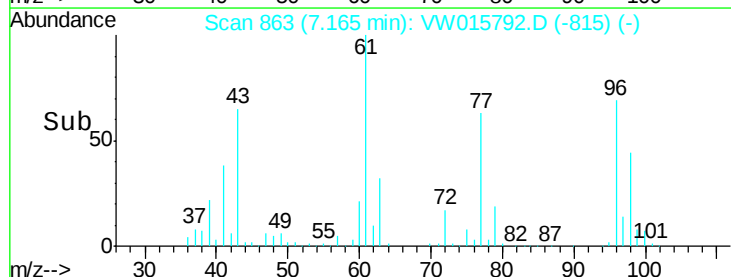
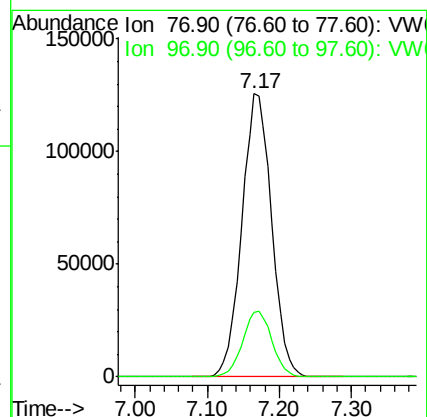
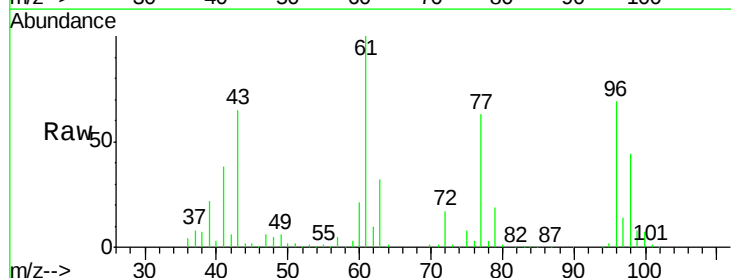
Acq: 07 Jul 2020 13:04

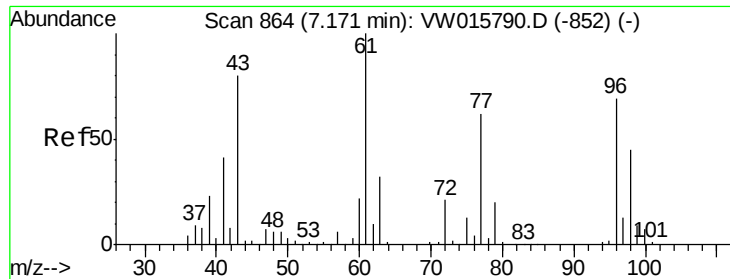
Tgt Ion: 77 Resp: 358965

Ion Ratio Lower Upper

77 100

97 22.9 11.0 33.0



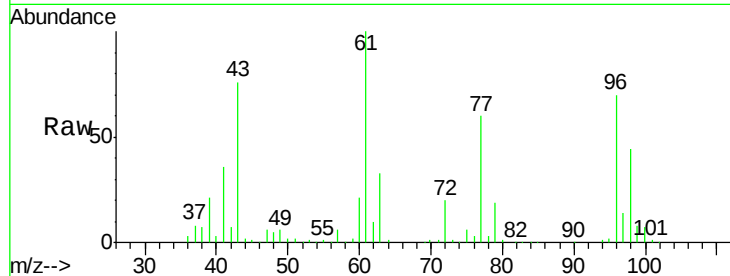


#27

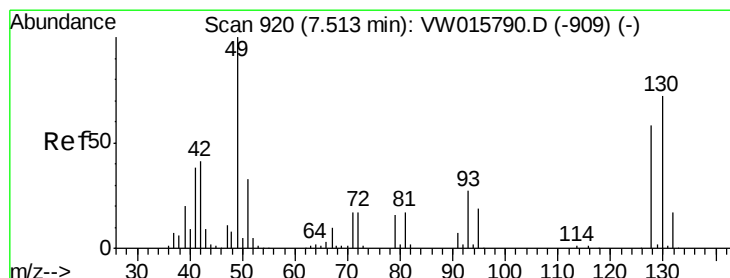
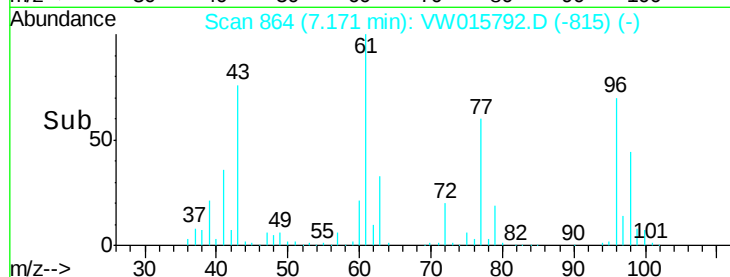
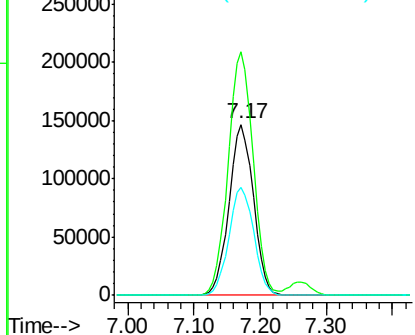
cis-1,2-Dichloroethene
Concen: 143.817 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion: 96 Resp: 375016
Ion Ratio Lower Upper
96 100
61 145.8 0.0 292.2
98 64.5 0.0 129.0



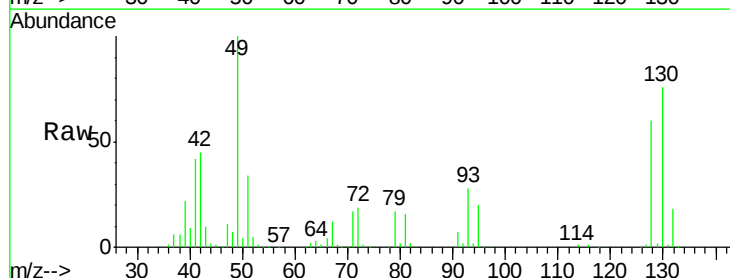
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



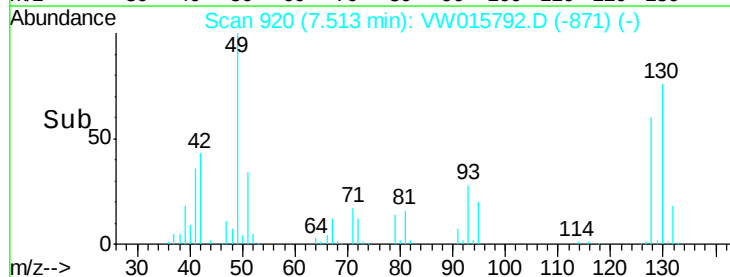
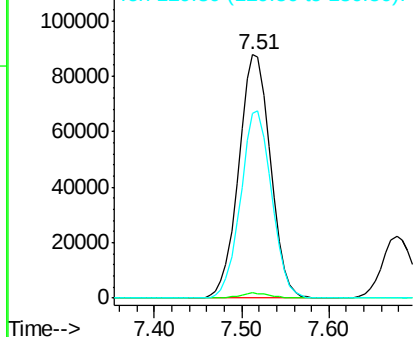
#28

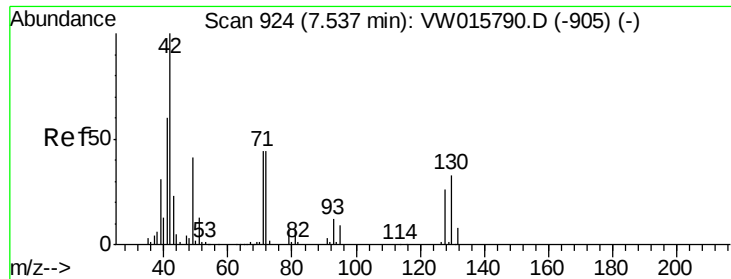
Bromochloromethane
Concen: 128.698 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion: 49 Resp: 221991
Ion Ratio Lower Upper
49 100
129 2.0 0.0 2.6
130 75.1 59.5 89.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

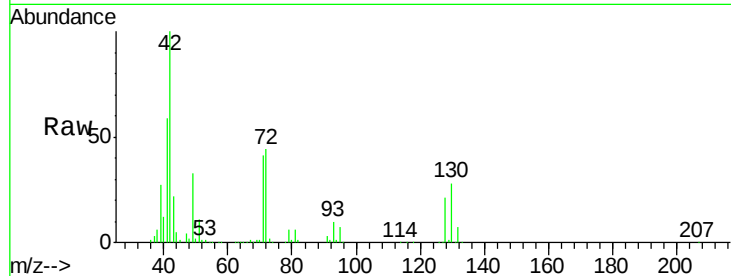




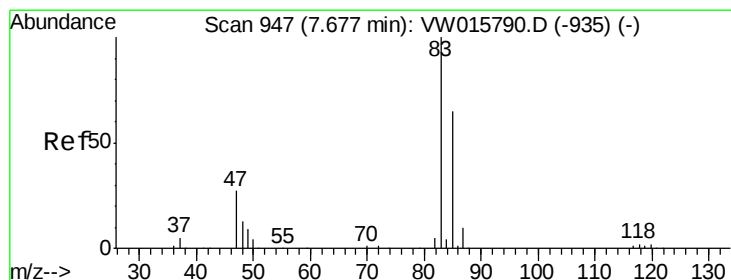
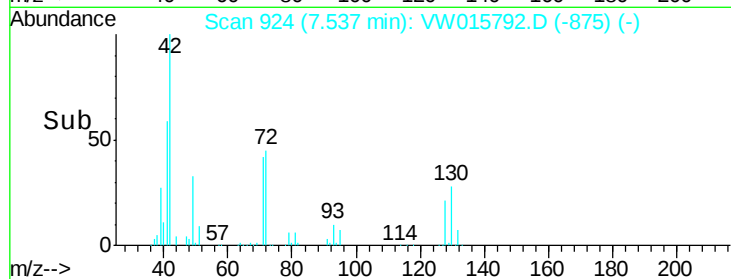
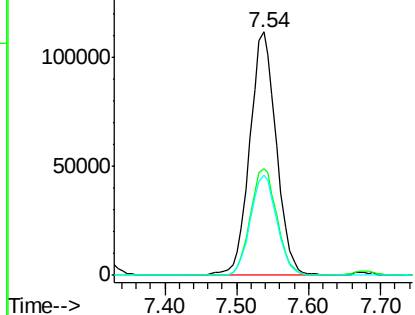
#29
Tetrahydrofuran
Concen: 795.315 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 285398
Ion Ratio Lower Upper
42 100
72 44.2 34.6 51.8
71 41.3 32.8 49.2

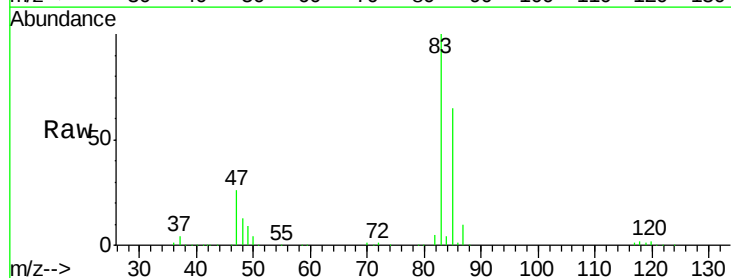


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

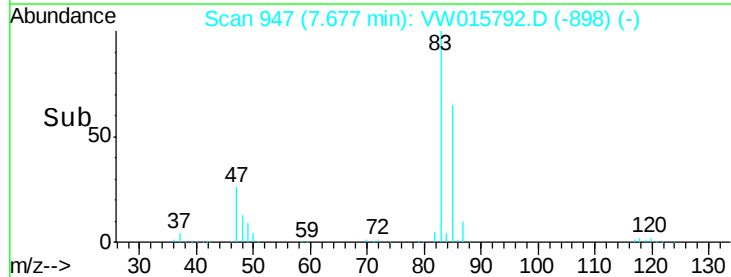
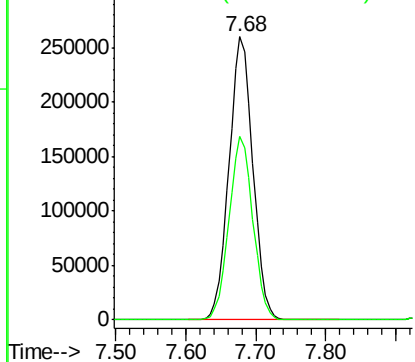


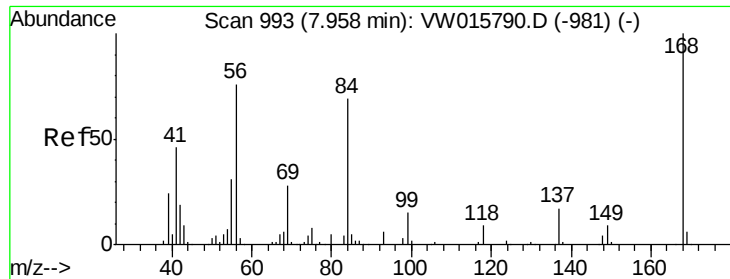
#30
Chloroform
Concen: 138.903 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion: 83 Resp: 615332
Ion Ratio Lower Upper
83 100
85 64.6 51.6 77.4



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

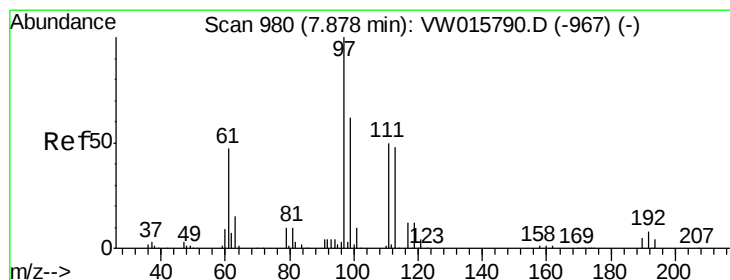
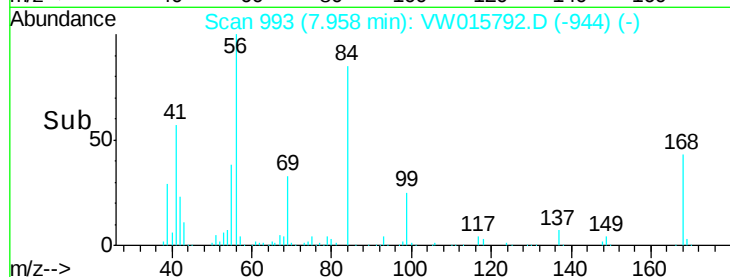
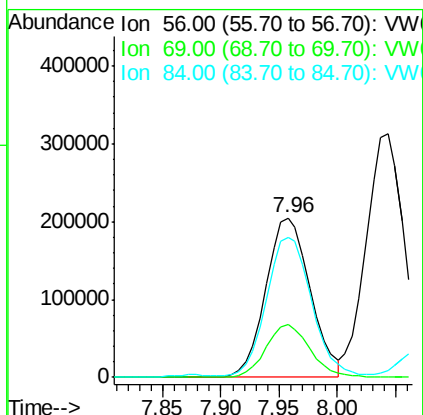
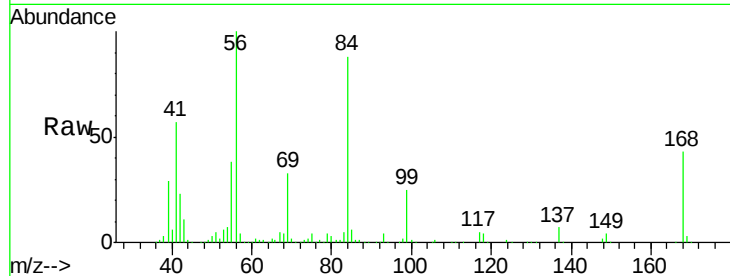




#31
Cyclohexane
Concen: 132.349 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

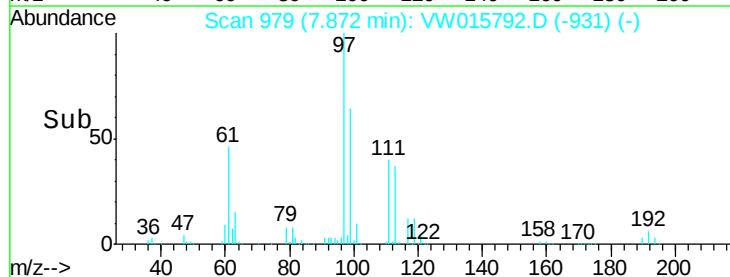
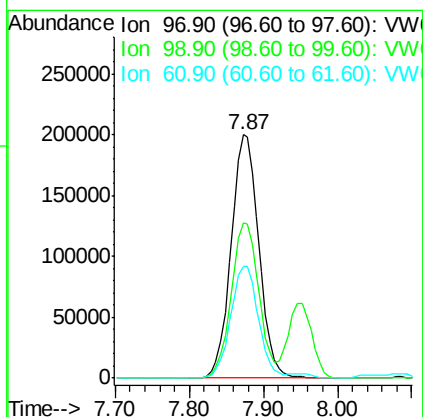
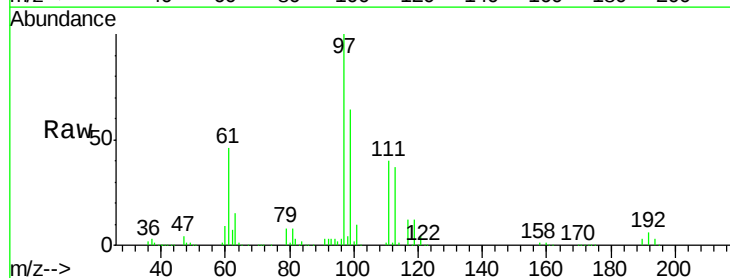
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

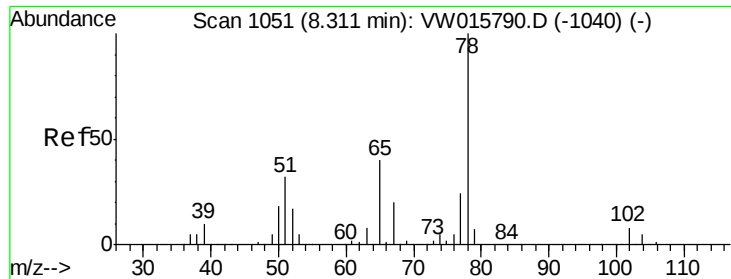
Tot Ion: 56 Resp: 542518
Ion Ratio Lower Upper
56 100
69 33.0 28.9 43.3
84 85.8 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 140.385 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion: 97 Resp: 520620
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.4
61 46.4 38.6 57.8

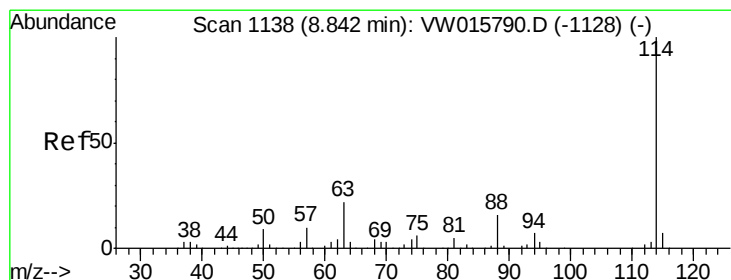
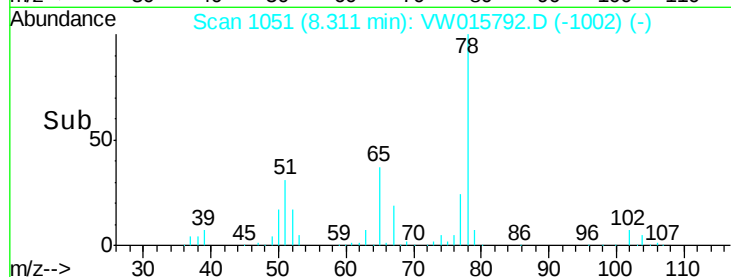
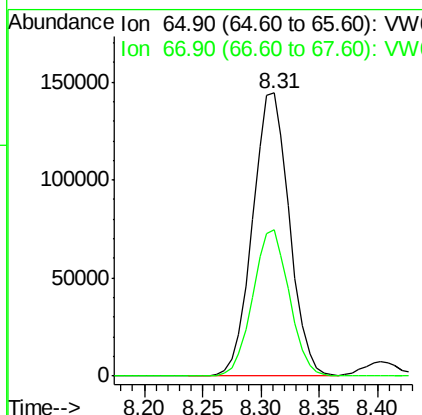
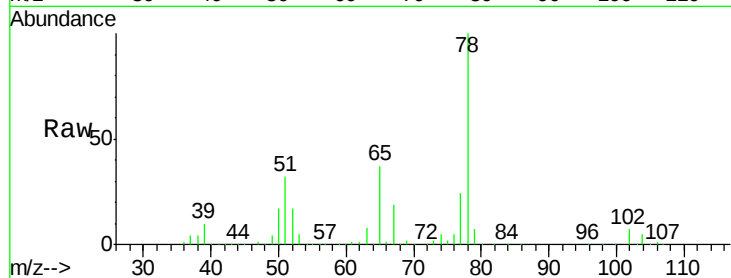




#33
 1,2-Dichloroethane-d4
 Concen: 134.823 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

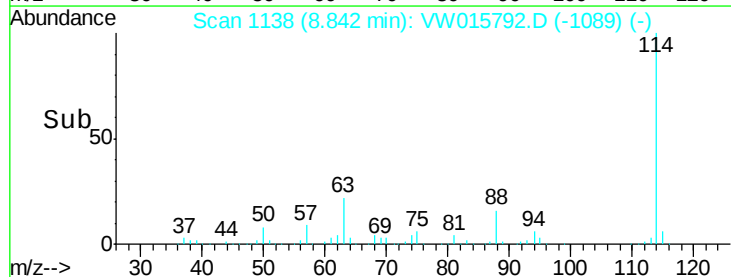
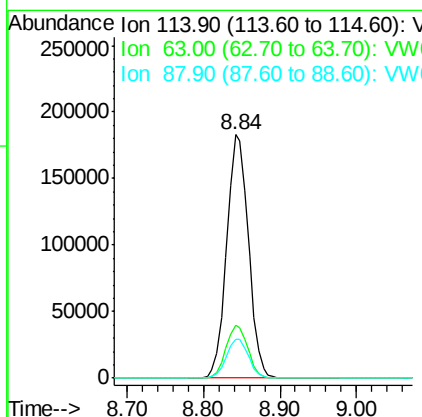
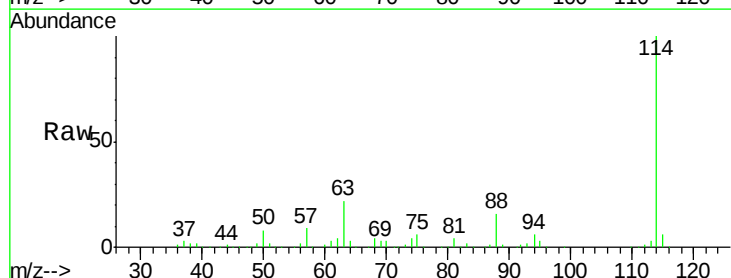
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

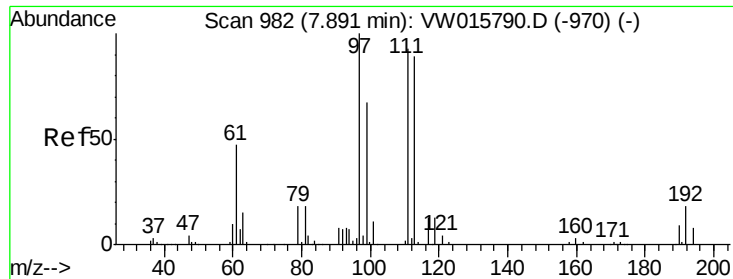
Tot Ion: 65 Resp: 317759
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion: 114 Resp: 358474
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 44.4
 88 16.1 0.0 32.6

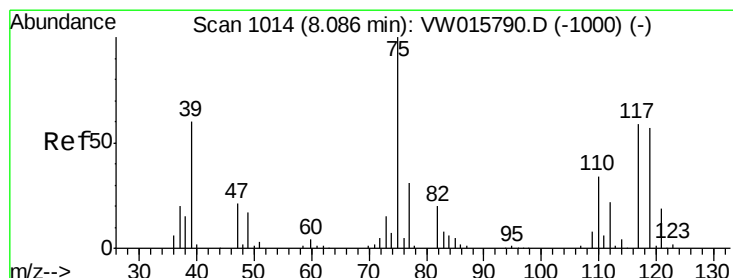
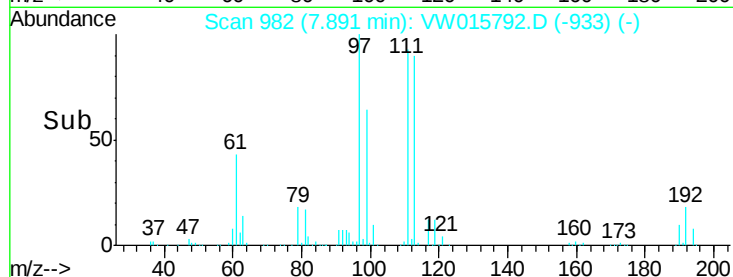
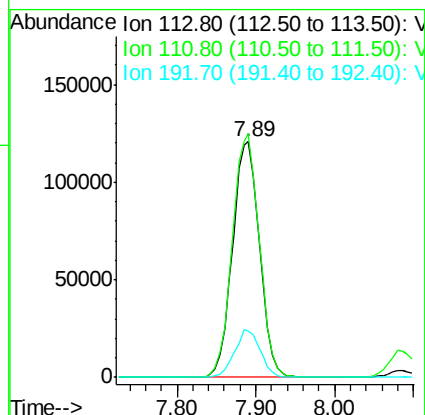
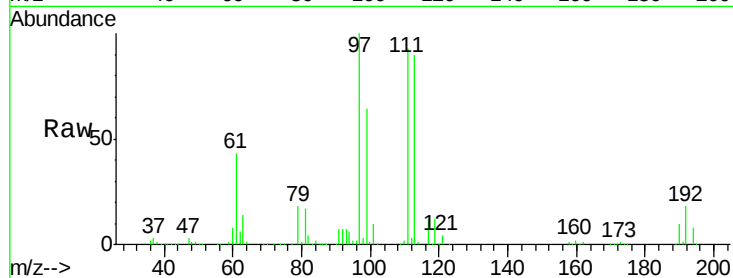




#35
 Dibromofluoromethane
 Concen: 137.594 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

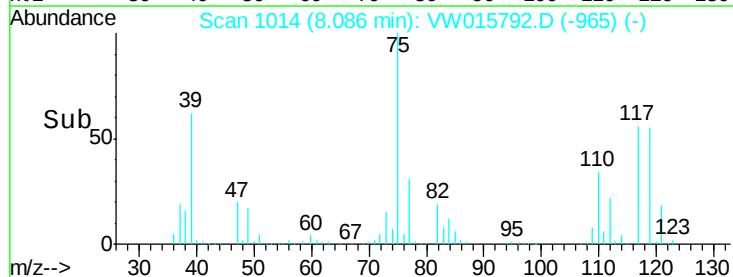
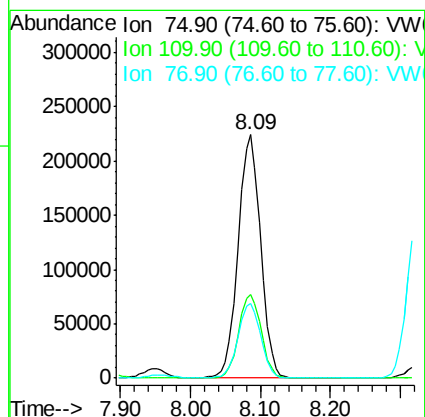
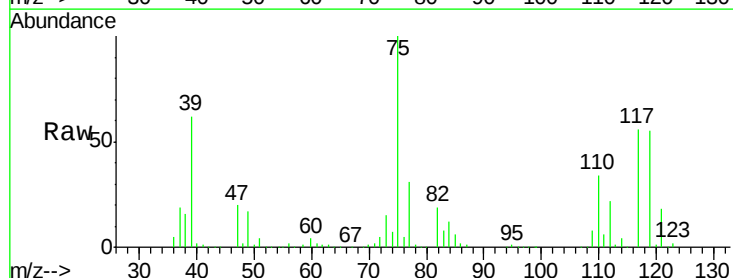
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

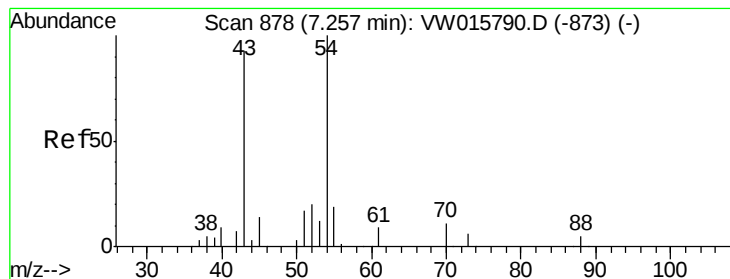
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	19.2	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 141.435 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.8	50.3
77	31.3	24.7	37.1





#37

Ethyl Acetate

Concen: 154.990 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

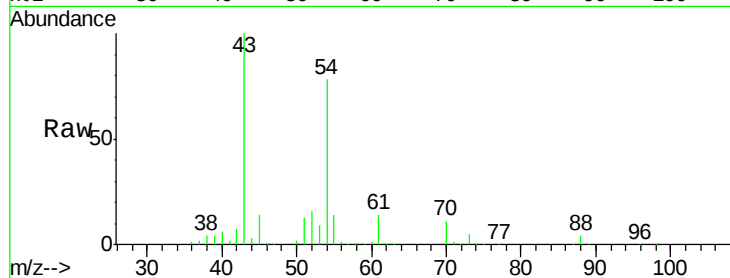
Tot Ion: 43 Resp: 206352

Ion Ratio Lower Upper

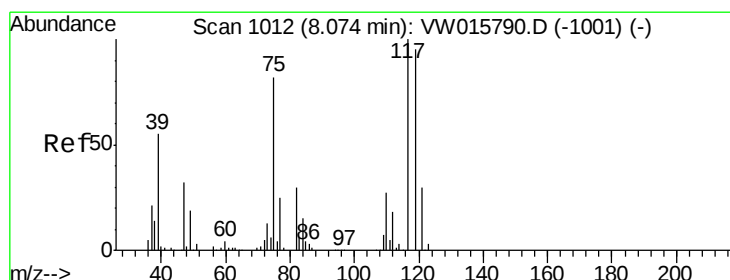
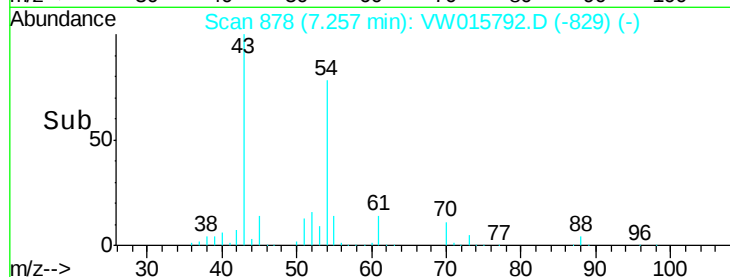
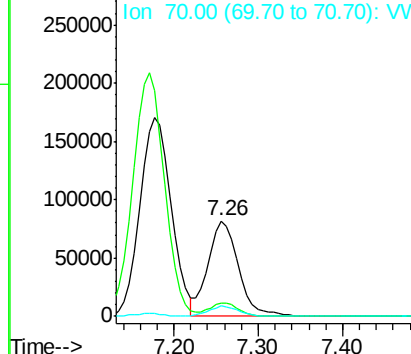
43 100

61 13.6 10.4 15.6

70 10.3 8.4 12.6



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: 144.422 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

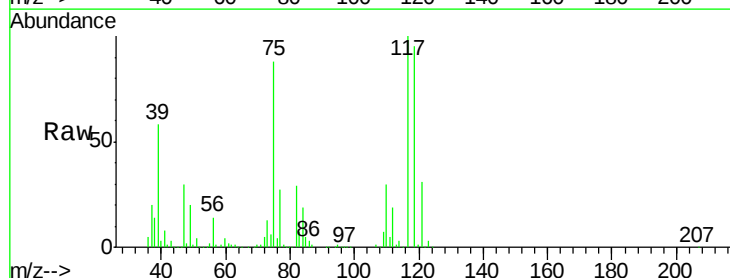
Tgt Ion: 117 Resp: 490785

Ion Ratio Lower Upper

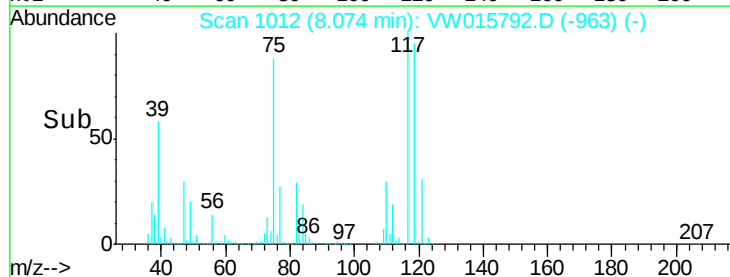
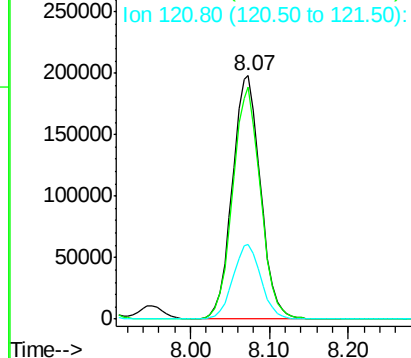
117 100

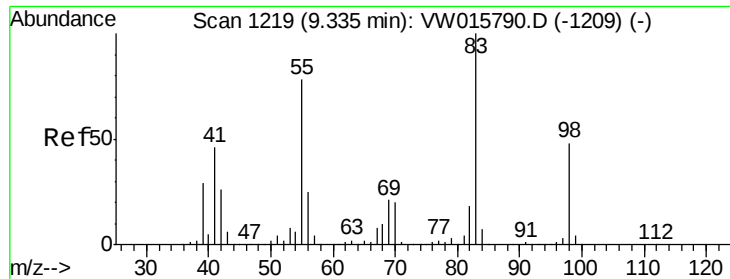
119 95.1 76.3 114.5

121 30.6 24.0 36.0



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

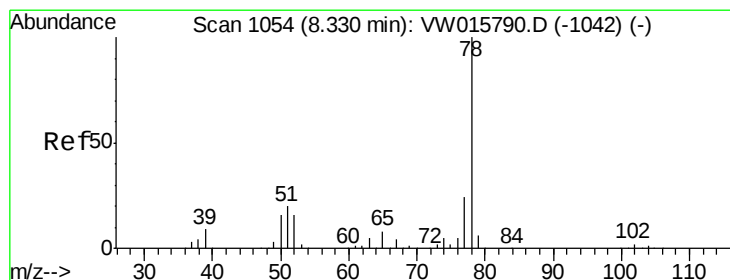
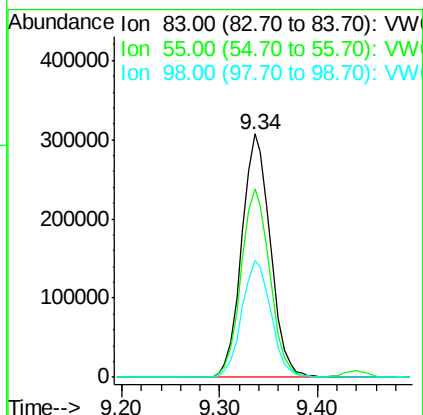
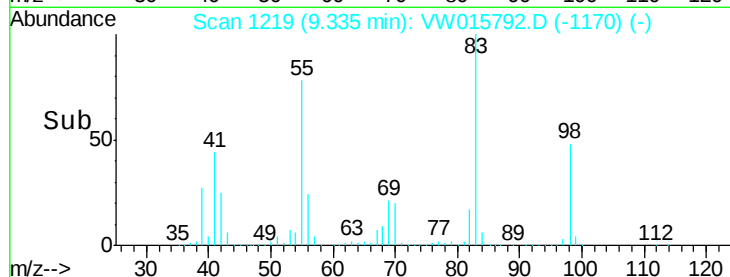
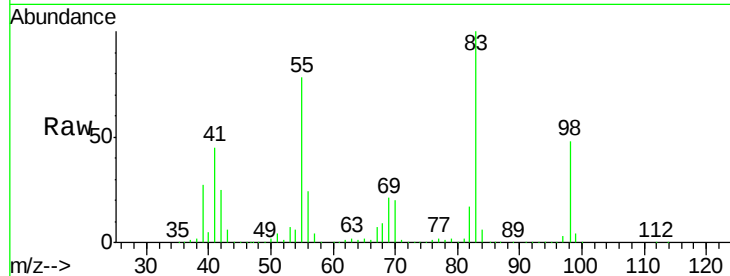




#39
Methvlcvclohexane
Concen: 149.429 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

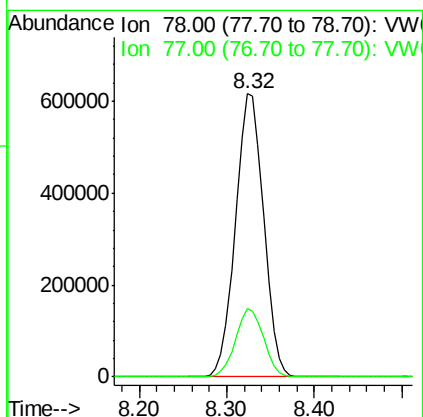
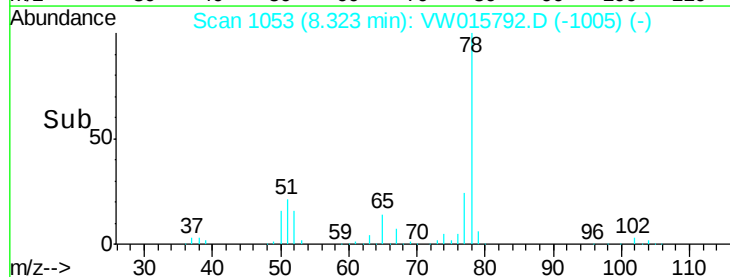
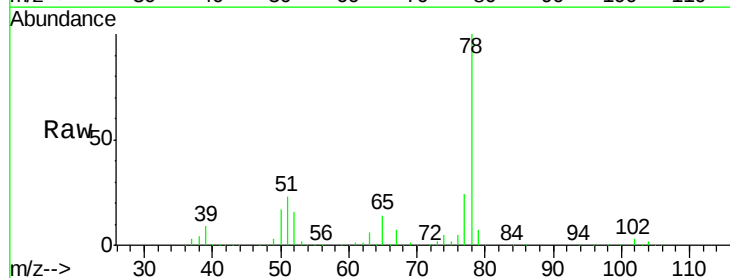
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 624925
Ion Ratio Lower Upper
83 100
55 77.6 62.6 94.0
98 48.0 38.6 58.0



#40
Benzene
Concen: 142.675 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion: 78 Resp: 1378491
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

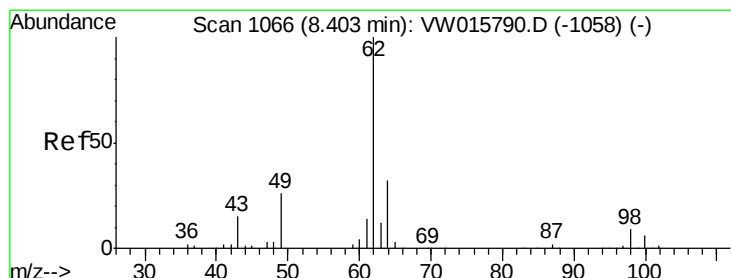
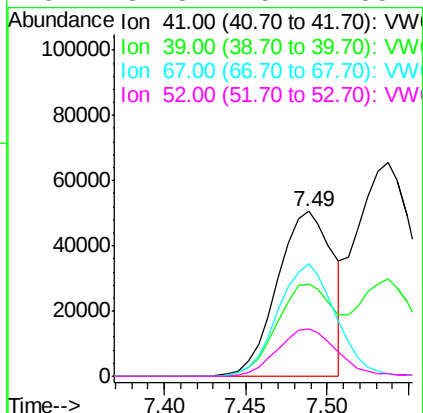
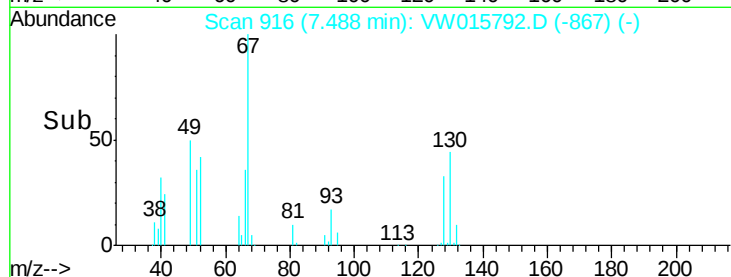
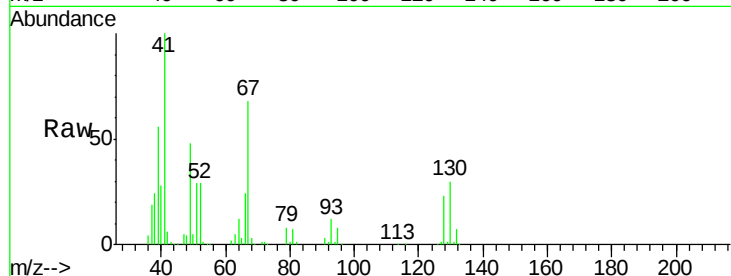




#41
Methacrylonitrile
Concen: 155.815 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

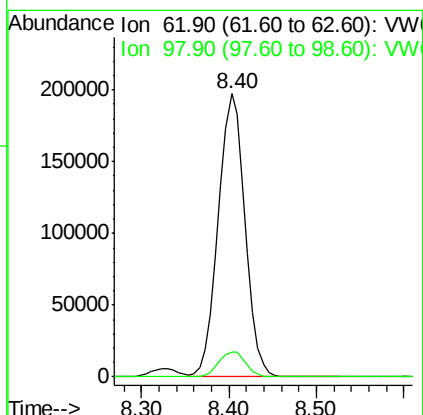
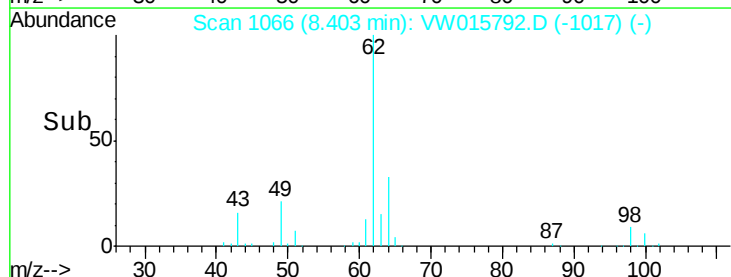
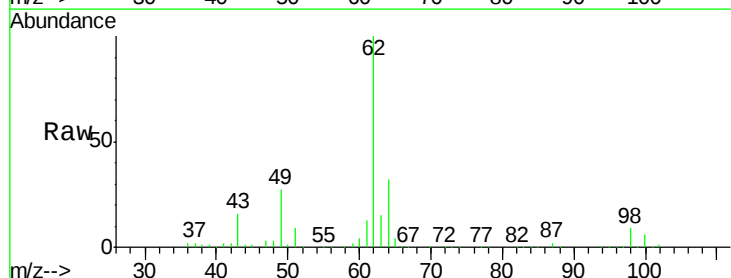
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

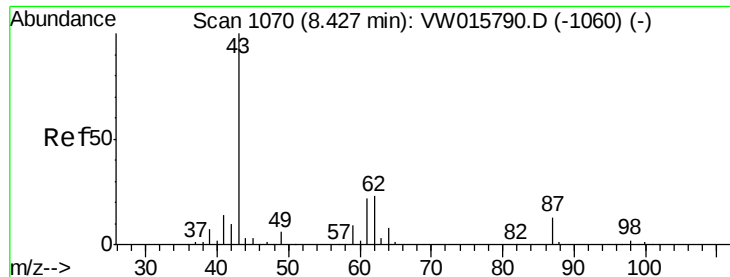
Tot Ion:	41	Resp:	119789
Ion	Ratio	Lower	Upper
41	100		
39	56.0	44.6	66.8
67	70.9	56.4	84.6
52	31.3	25.4	38.2



#42
1,2-Dichloroethane
Concen: 139.910 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion:	62	Resp:	418705
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 154.199 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

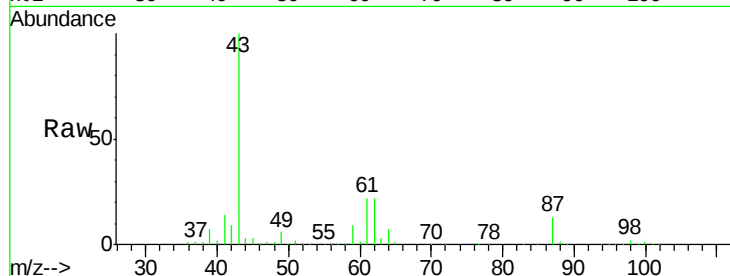
Tot Ion: 43 Resp: 408460

Ion Ratio Lower Upper

43 100

61 30.3 24.8 37.2

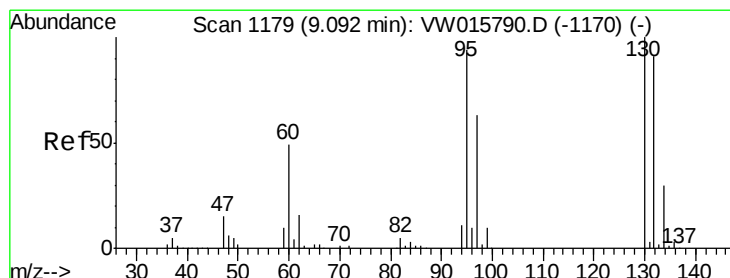
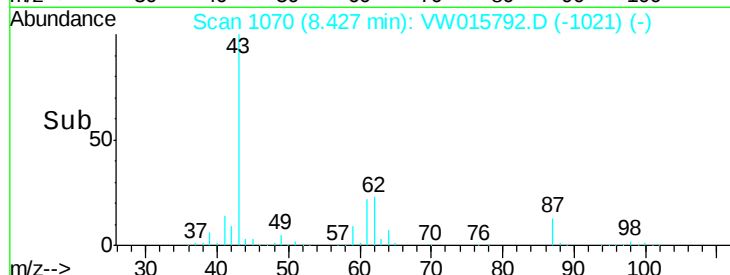
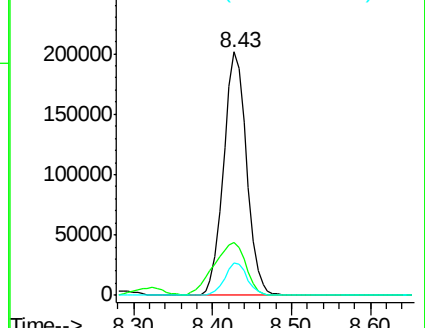
87 13.1 10.4 15.6



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: 143.295 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015792.D

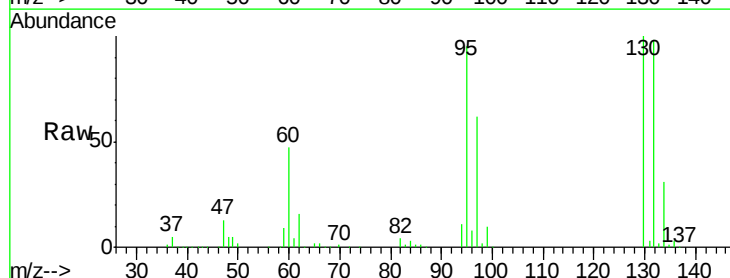
Acq: 07 Jul 2020 13:04

Tgt Ion:130 Resp: 366197

Ion Ratio Lower Upper

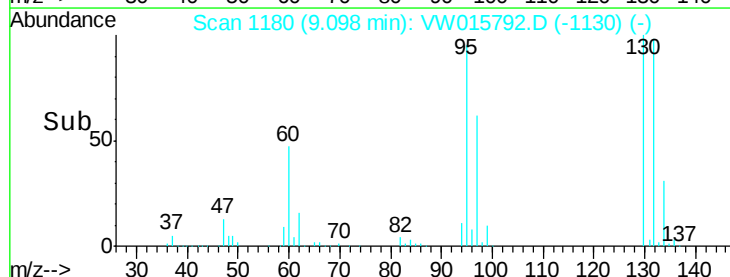
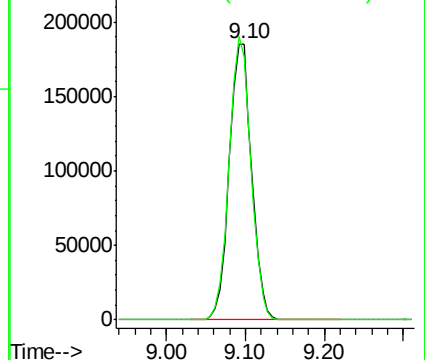
130 100

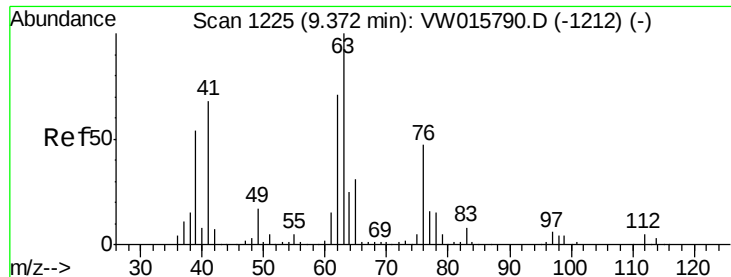
95 95.0 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

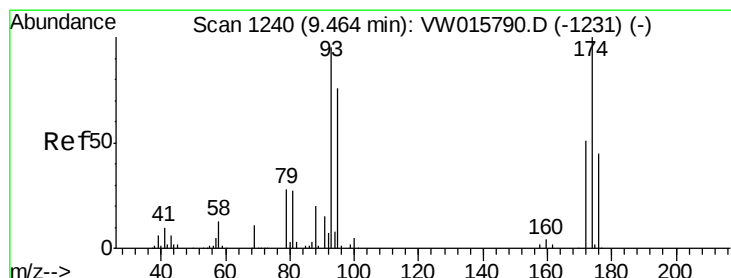
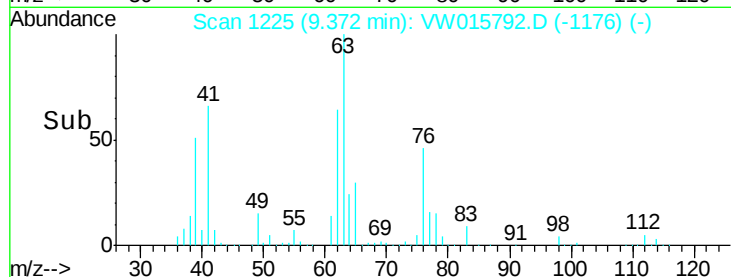
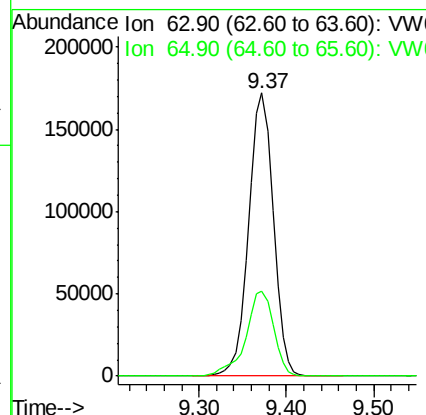
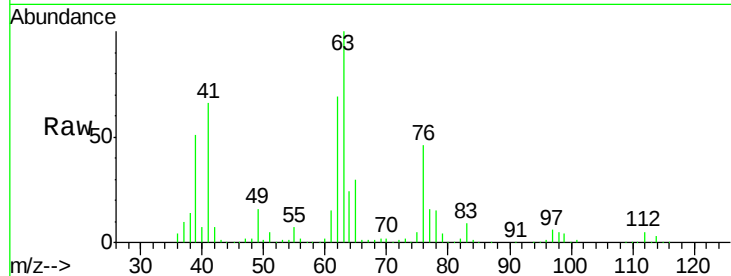




#45
 1,2-Dichloropropane
 Concen: 142.590 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

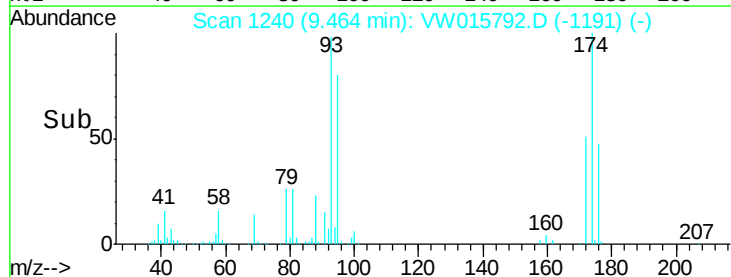
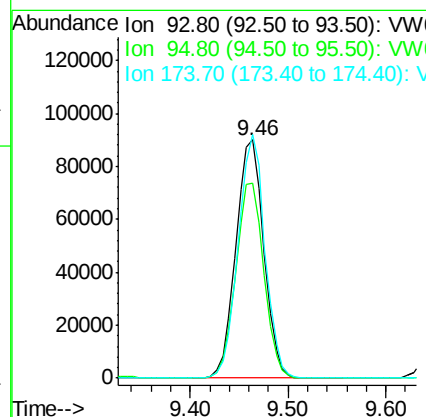
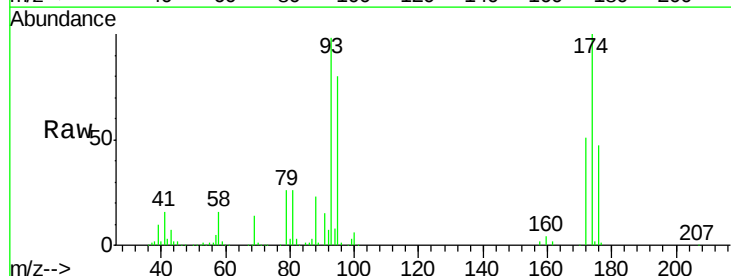
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

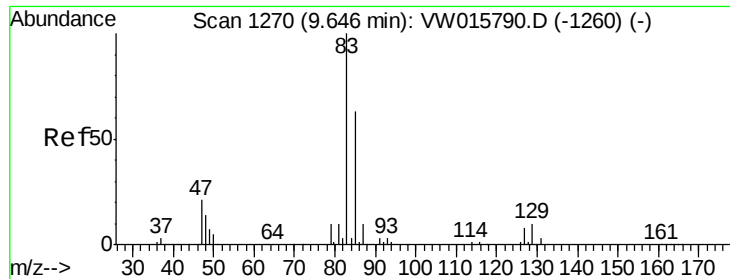
Tot Ion: 63 Resp: 337690
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.5 36.7



#46
 Dibromomethane
 Concen: 145.610 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion: 93 Resp: 177867
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.0 99.0
 174 97.9 78.7 118.1





#47

Bromodichloromethane

Concen: 149.196 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

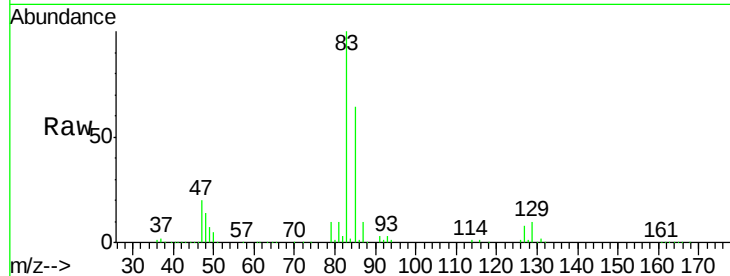
Tot Ion: 83 Resp: 472720

Ion Ratio Lower Upper

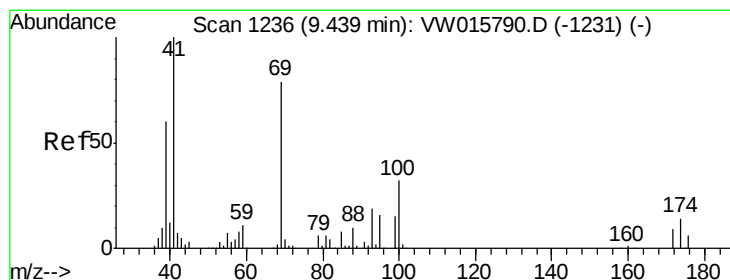
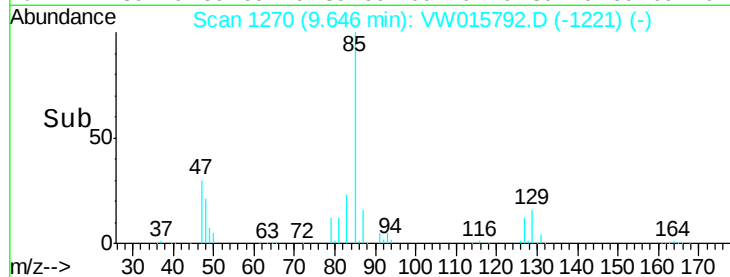
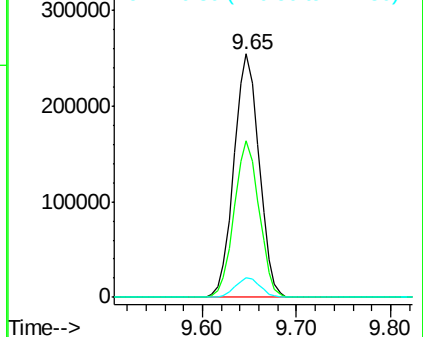
83 100

85 64.4 50.6 76.0

127 7.9 6.2 9.2



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



#48

Methyl methacrylate

Concen: 158.261 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

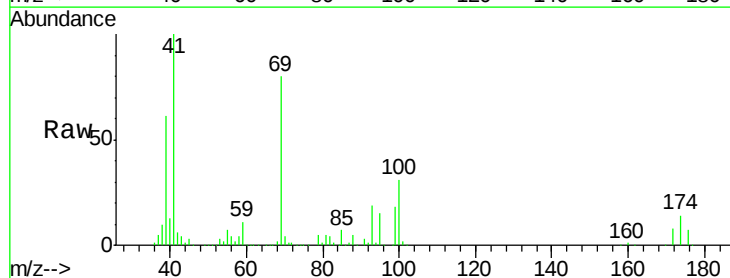
Tgt Ion: 41 Resp: 197849

Ion Ratio Lower Upper

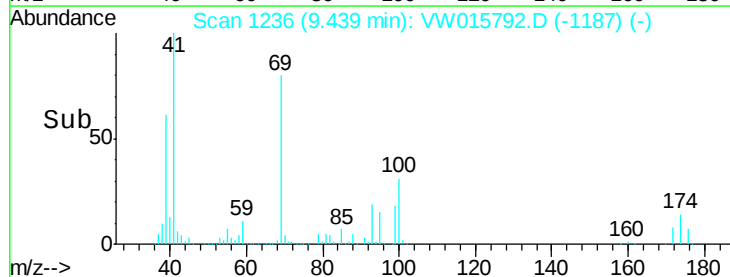
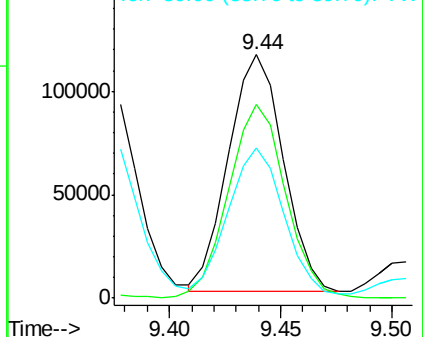
41 100

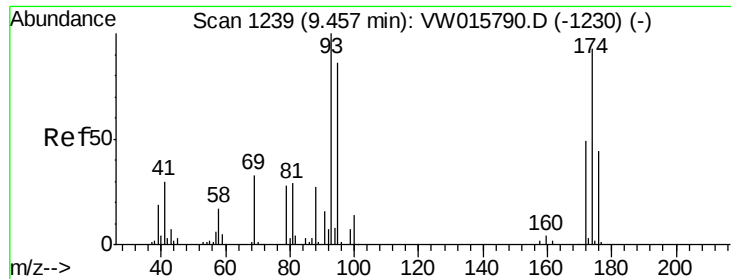
69 84.7 67.1 100.7

39 65.0 49.9 74.9



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





#49

1,4-Dioxane

Concen: 3115.283 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

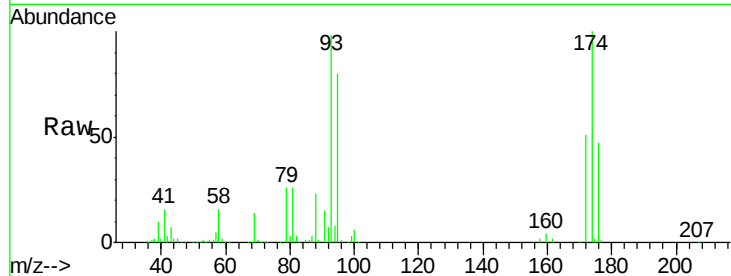
Tot Ion: 88 Resp: 48241

Ion Ratio Lower Upper

88 100

43 0.0 28.1 42.1#

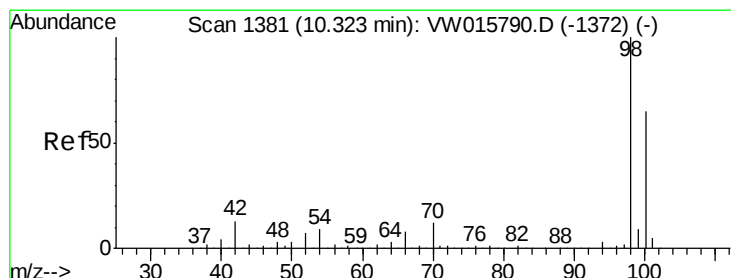
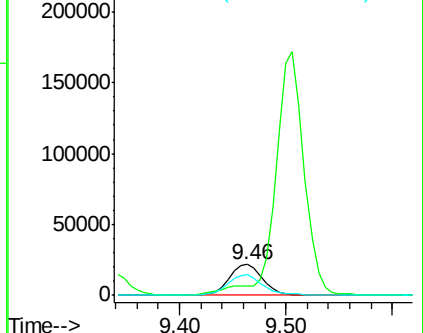
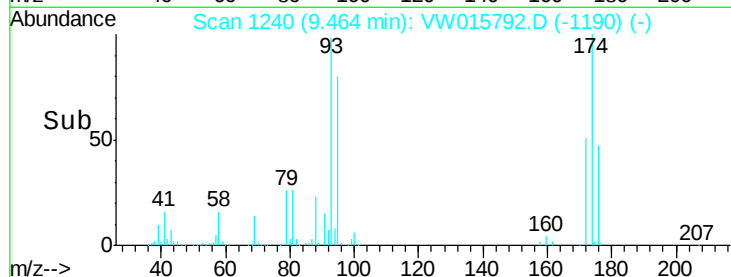
58 72.4 59.3 88.9



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: 141.263 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015792.D

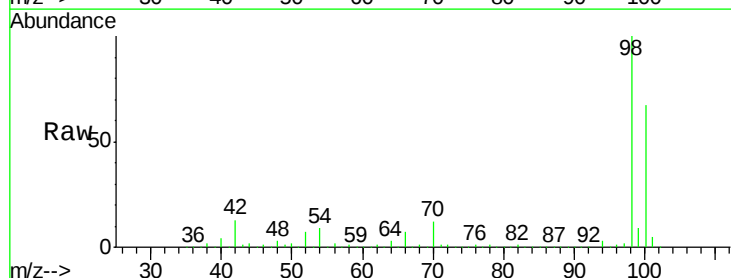
Acq: 07 Jul 2020 13:04

Tgt Ion: 98 Resp: 1140362

Ion Ratio Lower Upper

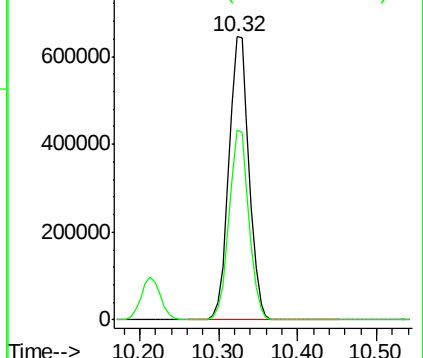
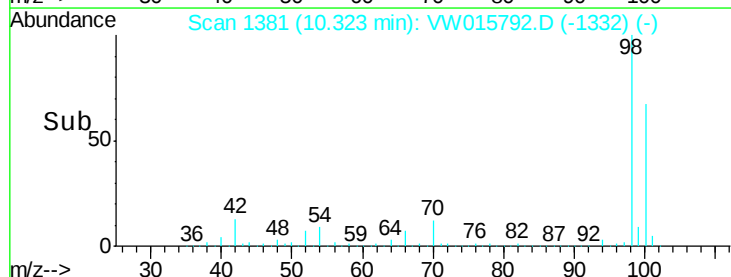
98 100

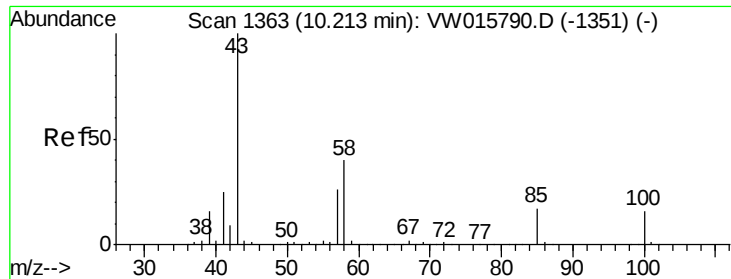
100 66.0 52.6 79.0



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: 785.950 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

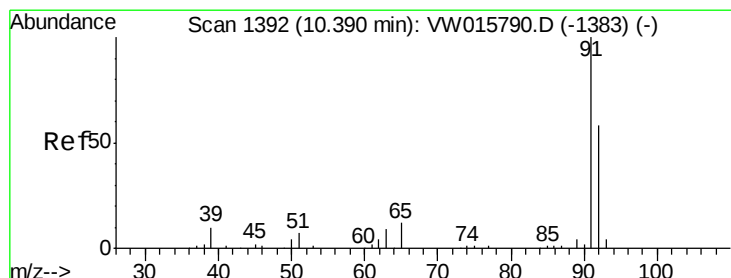
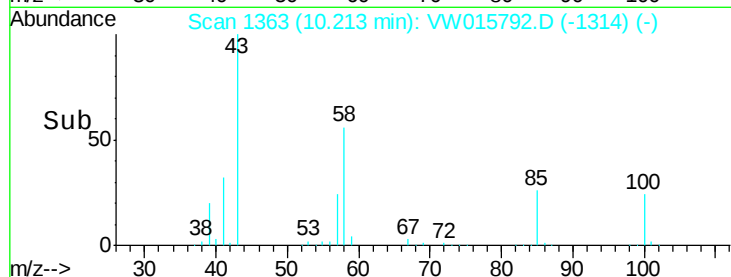
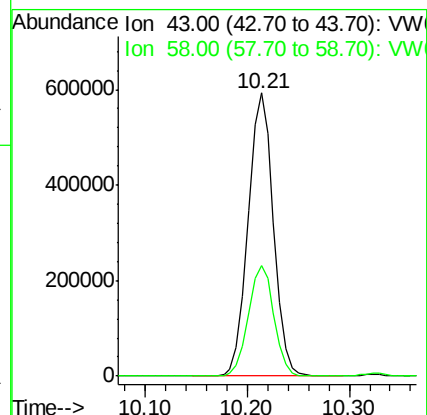
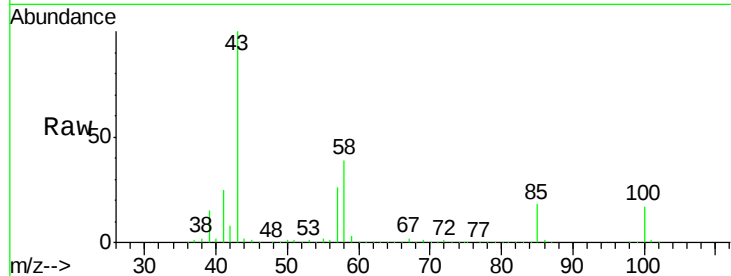
VSTDIC150

Tot Ion: 43 Resp: 1018166

Ion Ratio Lower Upper

43 100

58 39.4 30.9 46.3



#52

Toluene

Concen: 146.990 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015792.D

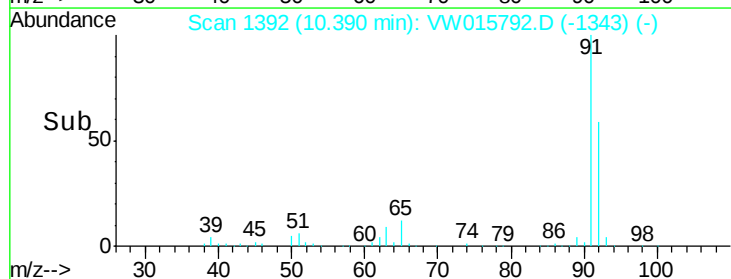
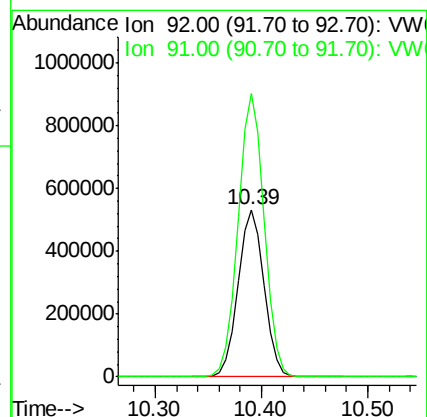
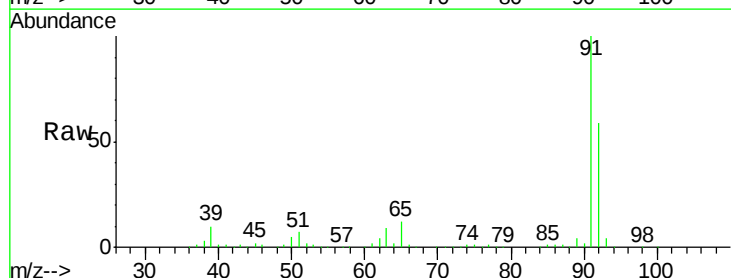
Acq: 07 Jul 2020 13:04

Tgt Ion: 92 Resp: 907460

Ion Ratio Lower Upper

92 100

91 170.1 137.1 205.7

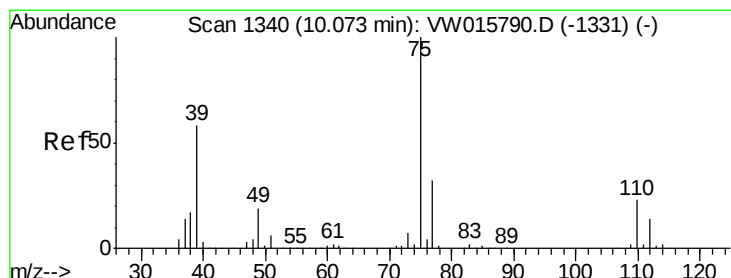
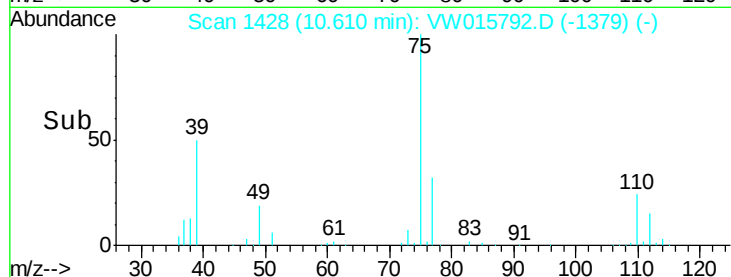
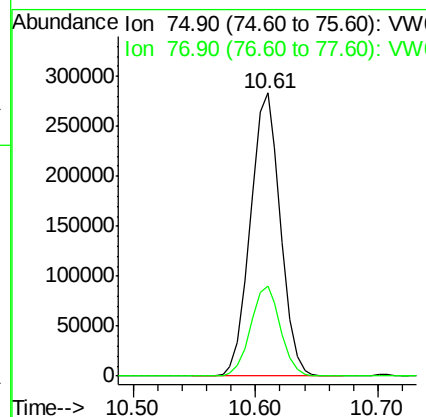
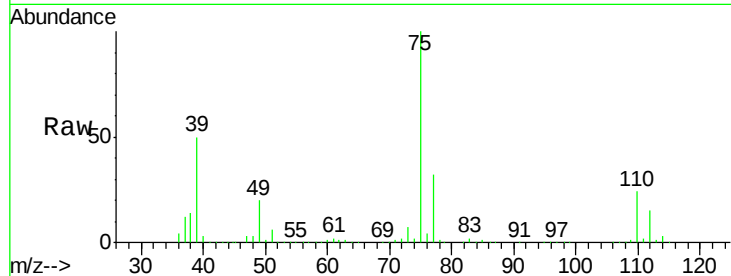




#53
 t-1,3-Dichloropropene
 Concen: 159.079 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

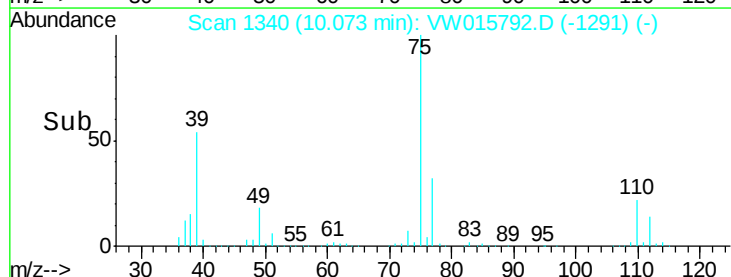
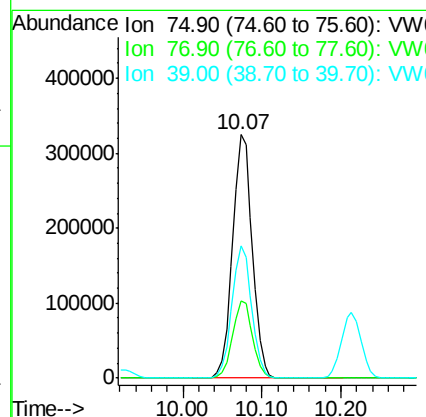
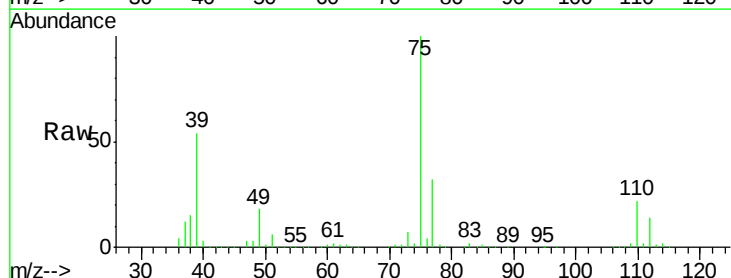
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

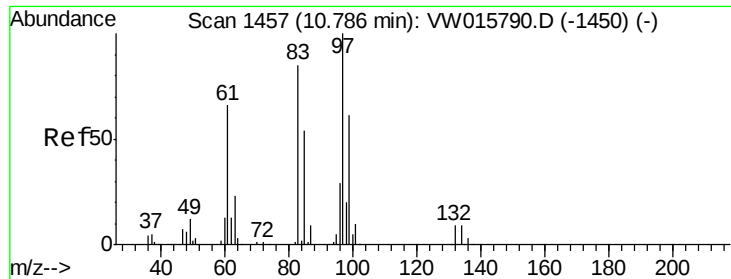
Tot Ion: 75 Resp: 482436
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 155.426 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion: 75 Resp: 563704
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8
 39 54.3 46.0 69.0

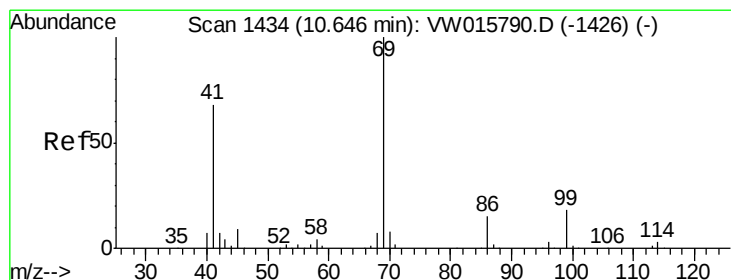
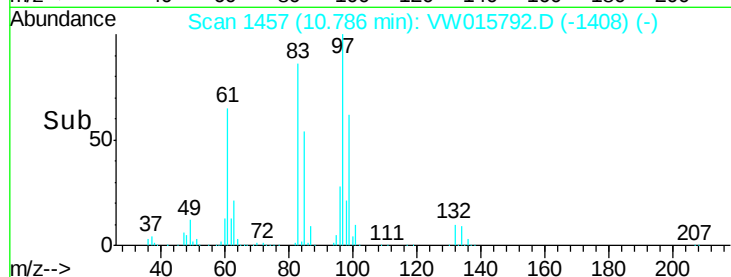
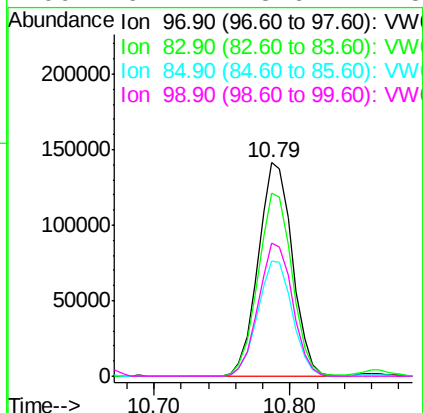
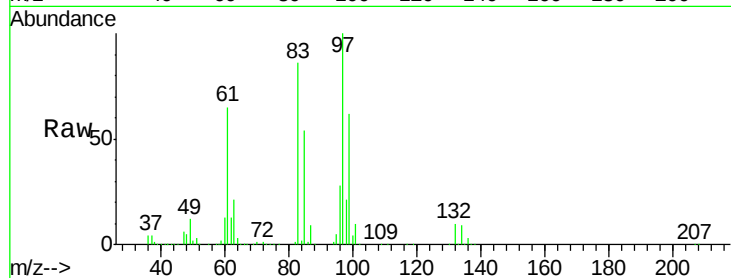




#55
 1,1,2-Trichloroethane
 Concen: 147.043 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

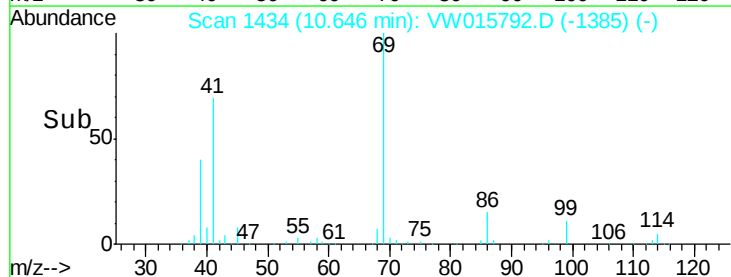
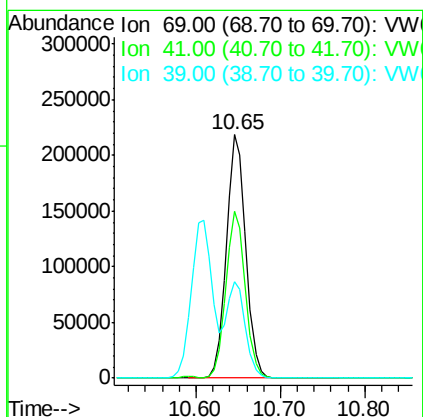
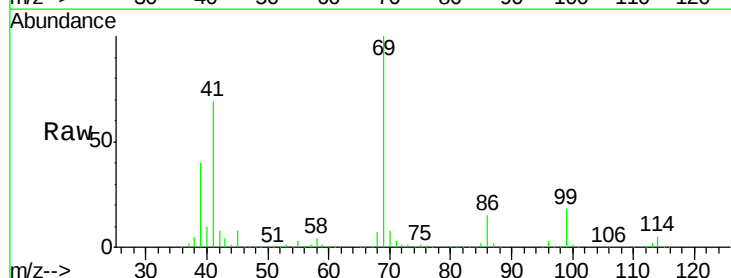
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

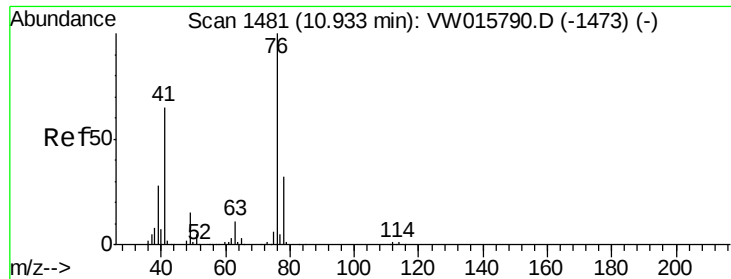
Tot Ion: 97 Resp: 249794
 Ion Ratio Lower Upper
 97 100
 83 85.6 68.2 102.4
 85 54.2 43.4 65.0
 99 62.4 48.6 72.8



#56
 Ethyl methacrylate
 Concen: 165.863 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion: 69 Resp: 344824
 Ion Ratio Lower Upper
 69 100
 41 68.4 55.0 82.6
 39 38.8 33.8 50.8

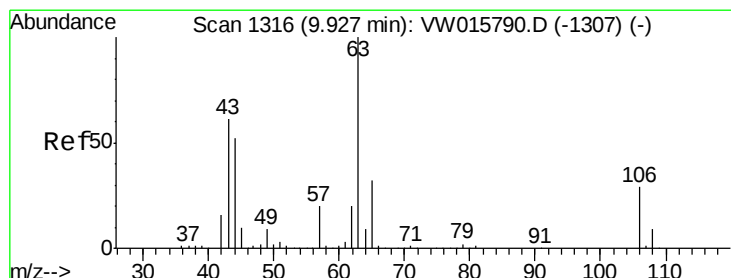
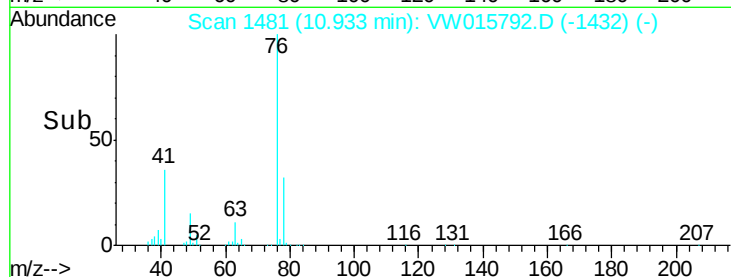
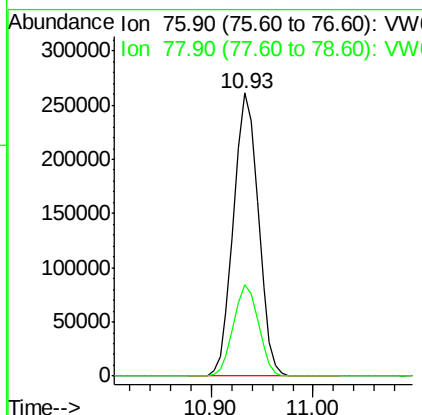
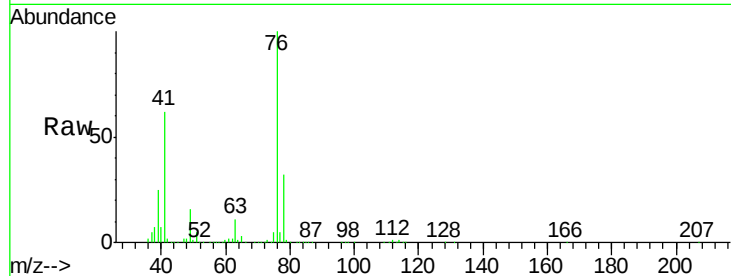




#57
 1,3-Dichloropropane
 Concen: 147.508 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

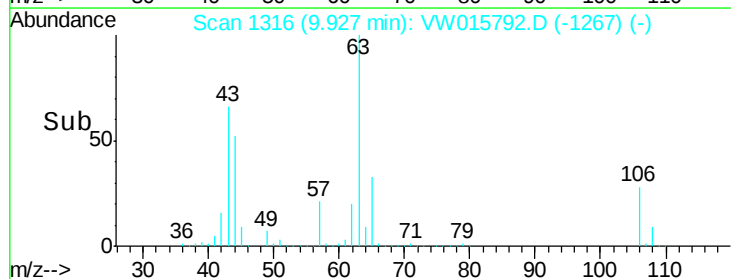
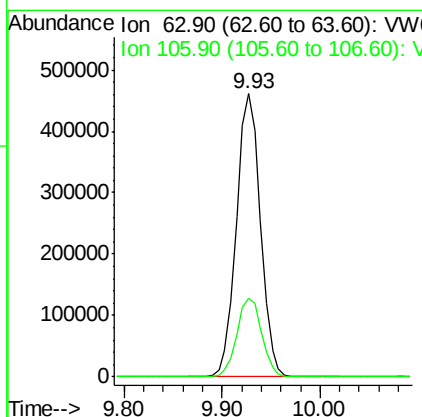
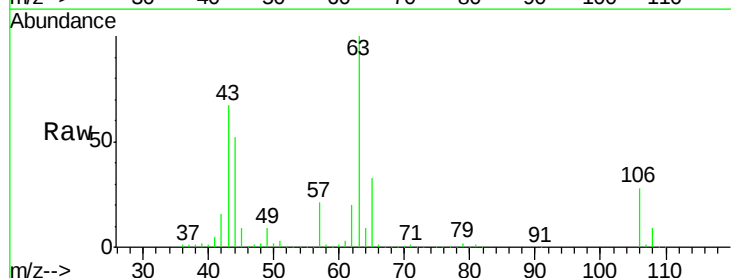
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

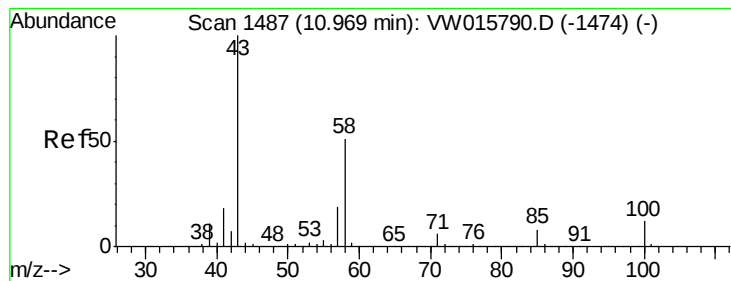
Tot Ion: 76 Resp: 441459
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 786.561 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion: 63 Resp: 784899
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.1 34.7





#59

2-Hexanone

Concen: 799.403 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

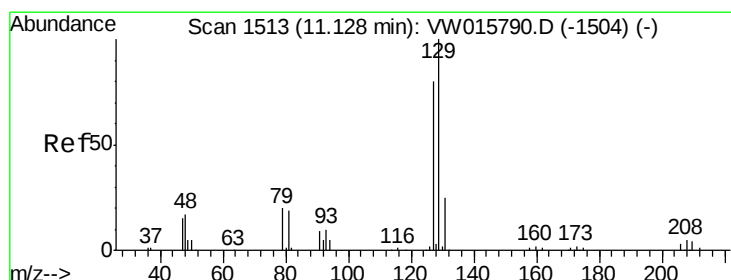
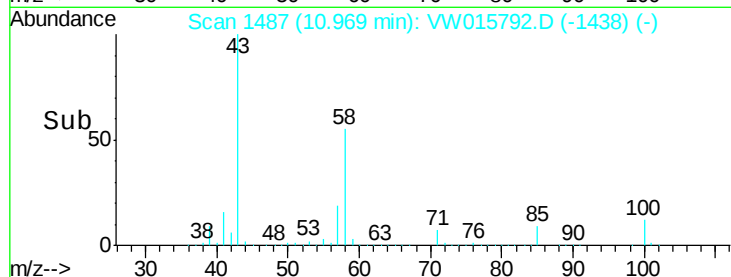
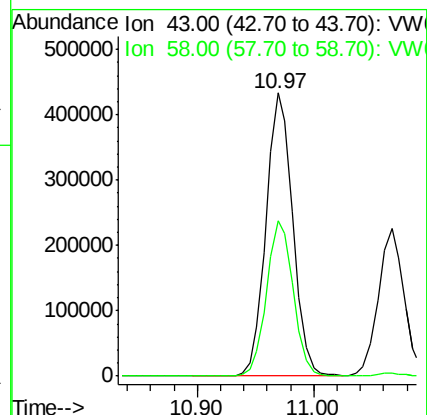
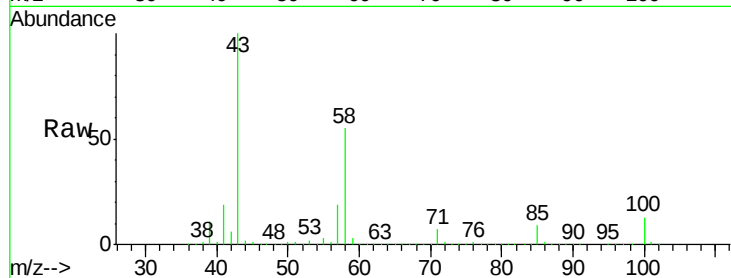
VSTDIC150

Tot Ion: 43 Resp: 693505

Ion Ratio Lower Upper

43 100

58 54.7 26.2 78.5



#60

Dibromochloromethane

Concen: 153.743 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015792.D

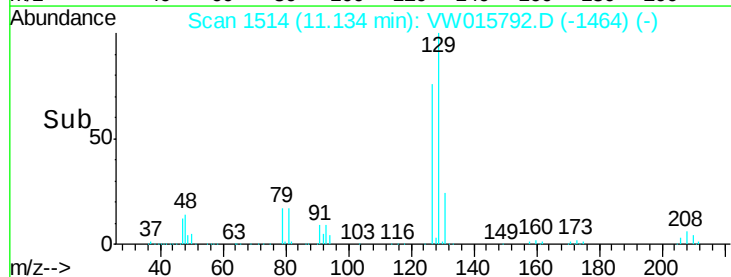
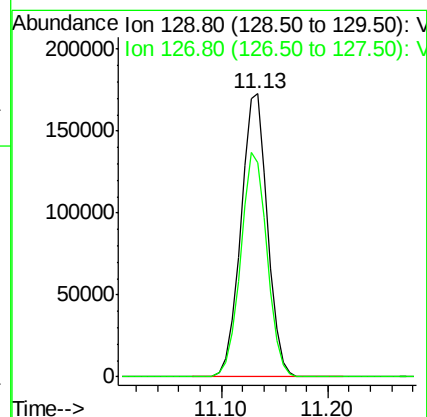
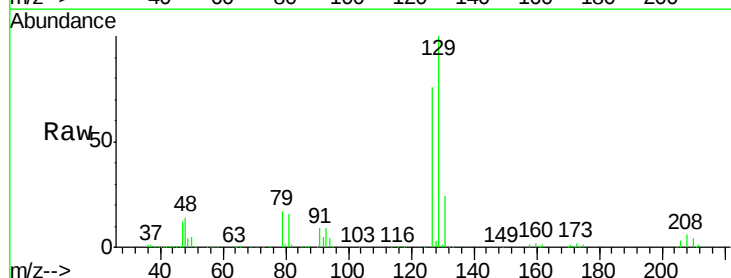
Acq: 07 Jul 2020 13:04

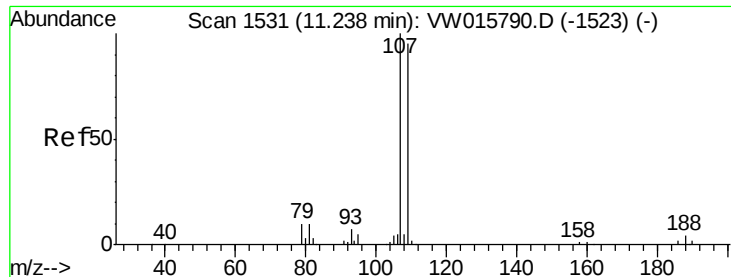
Tgt Ion: 129 Resp: 302164

Ion Ratio Lower Upper

129 100

127 78.7 39.4 118.1





#61

1,2-Dibromoethane

Concen: 150.727 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

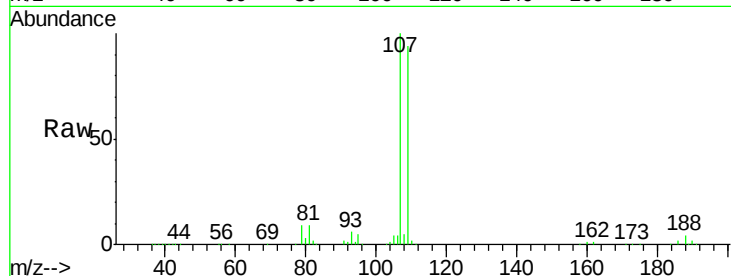
VSTDIC150

Tot Ion:107 Resp: 242939

Ion Ratio Lower Upper

107 100

109 93.2 77.0 115.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

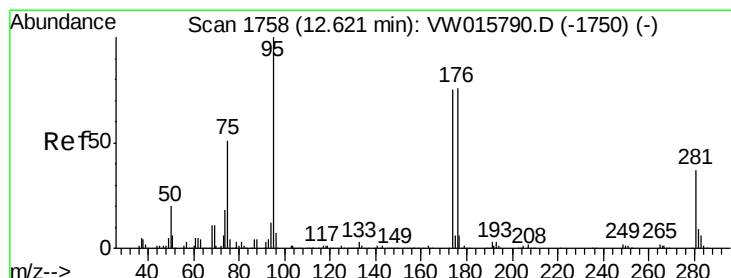
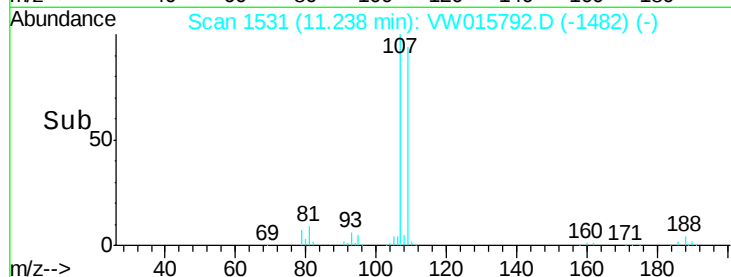
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 142.975 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

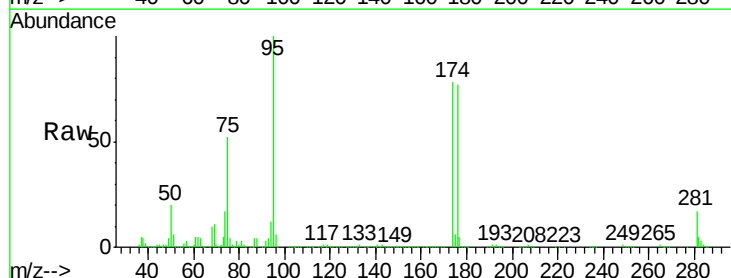
Tgt Ion: 95 Resp: 423616

Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.2

176 75.0 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

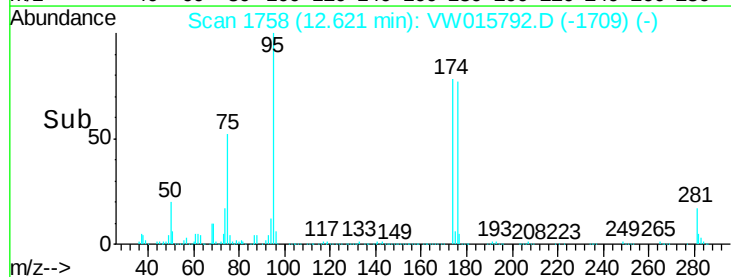
300000

200000

100000

0

Time-->

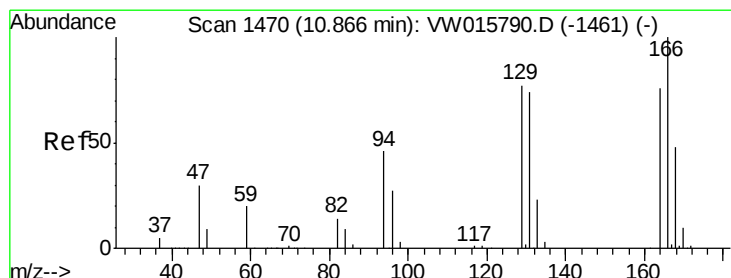
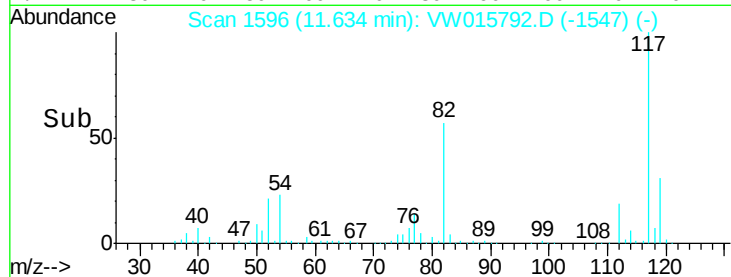
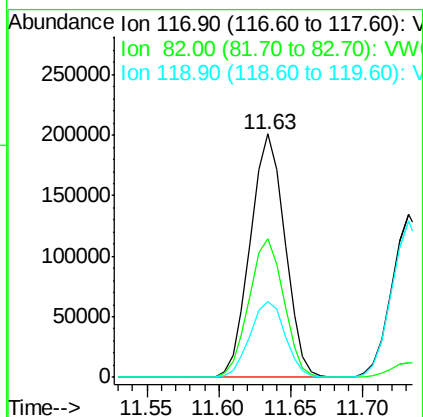
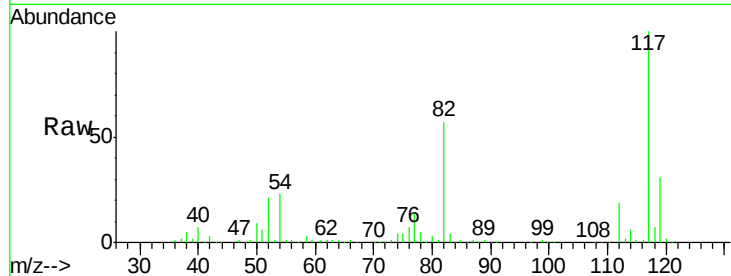




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

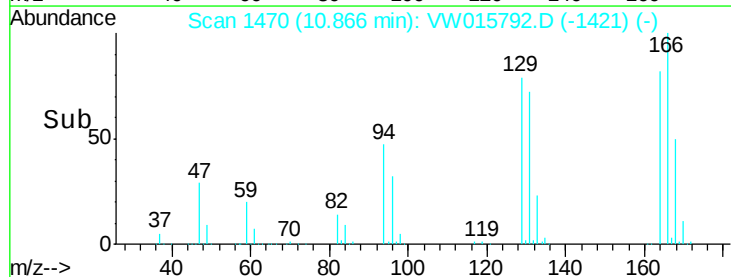
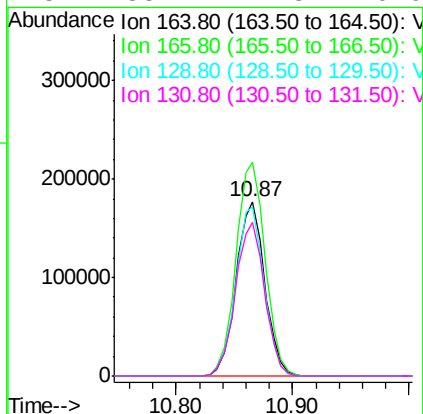
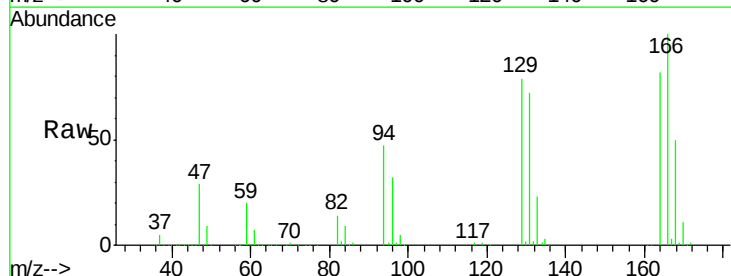
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

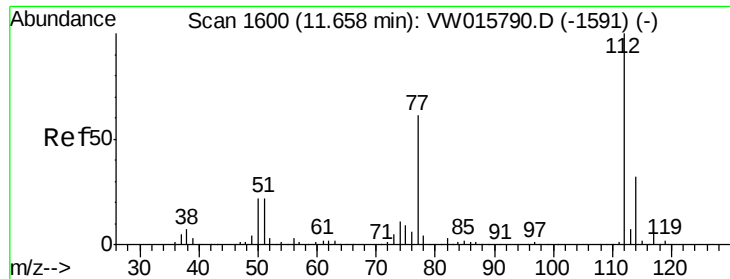
Tot Ion:117 Resp: 334645
Ion Ratio Lower Upper
117 100
82 56.8 45.5 68.3
119 31.1 25.0 37.6



#64
Tetrachloroethene
Concen: 142.458 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion:164 Resp: 301942
Ion Ratio Lower Upper
164 100
166 122.4 105.1 157.7
129 97.0 80.6 121.0
131 88.4 77.8 116.6

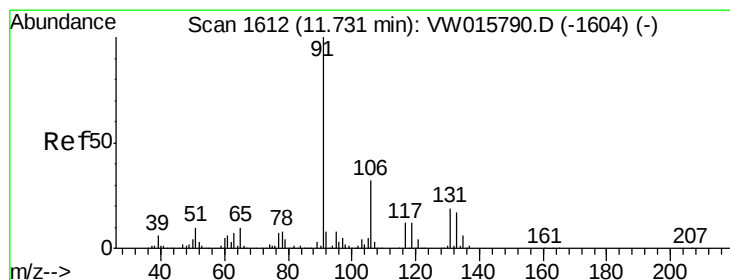
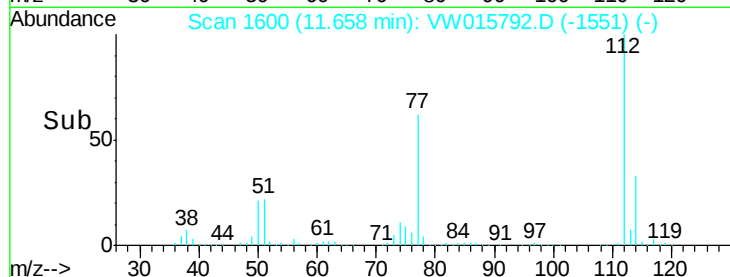
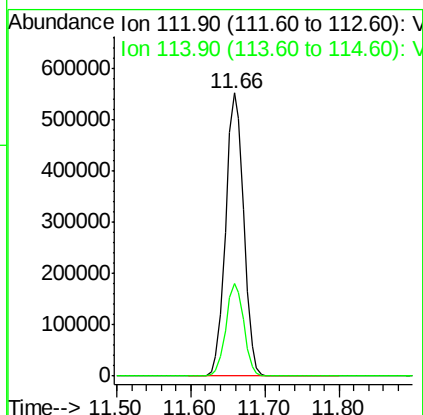
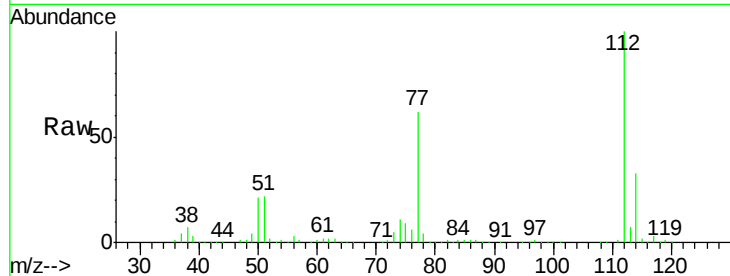




#65
Chlorobenzene
Concen: 142.585 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

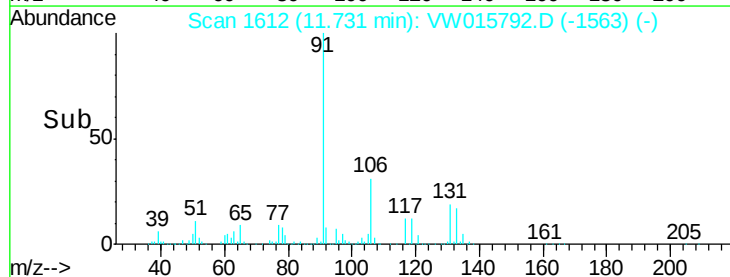
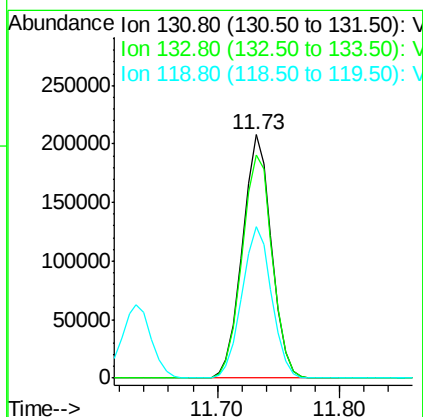
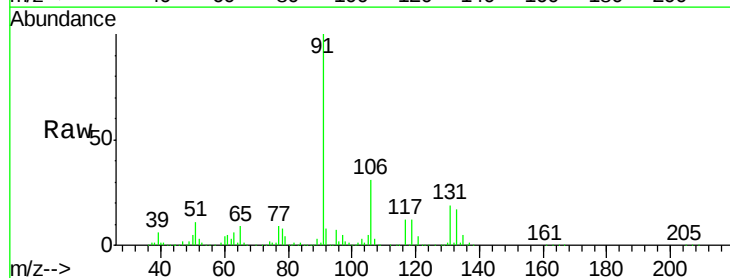
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

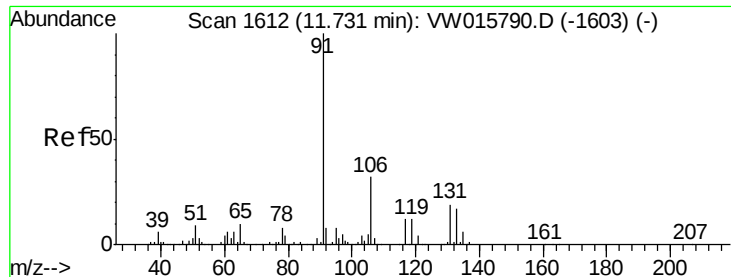
Tot Ion:112 Resp: 936443
Ion Ratio Lower Upper
112 100
114 32.9 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 147.478 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion:131 Resp: 342289
Ion Ratio Lower Upper
131 100
133 95.3 47.0 141.2
119 63.5 32.3 96.8

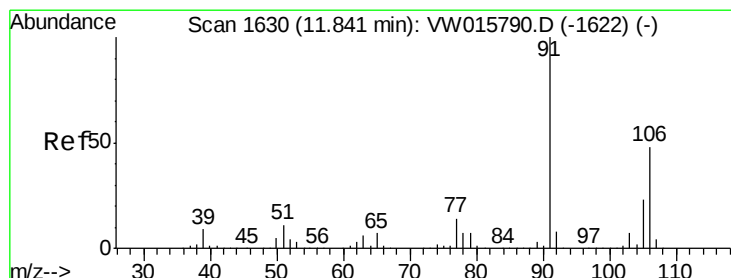
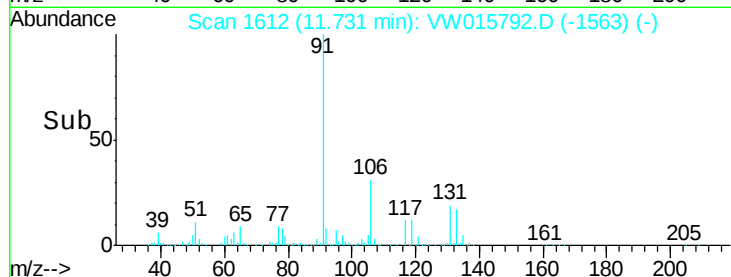
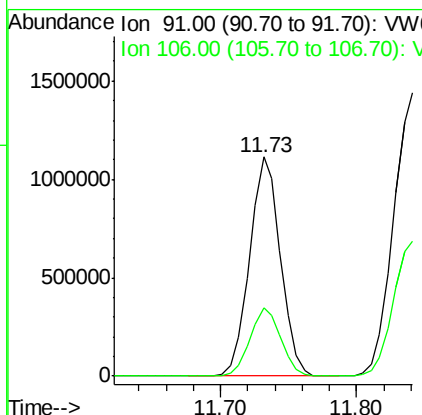
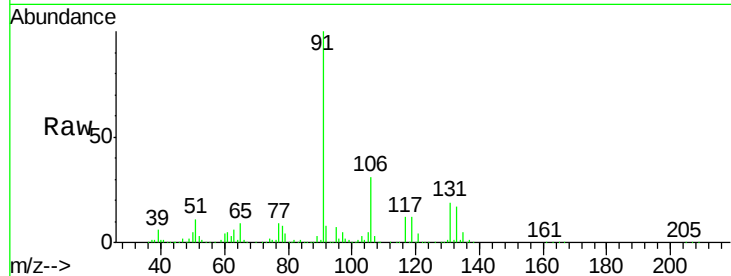




#67
Ethyl Benzene
Concen: 145.488 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

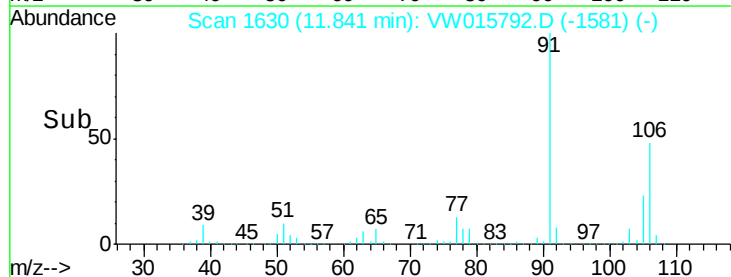
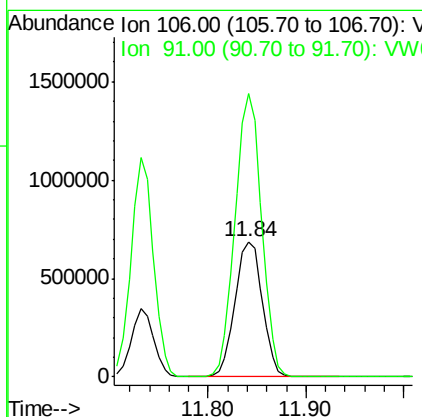
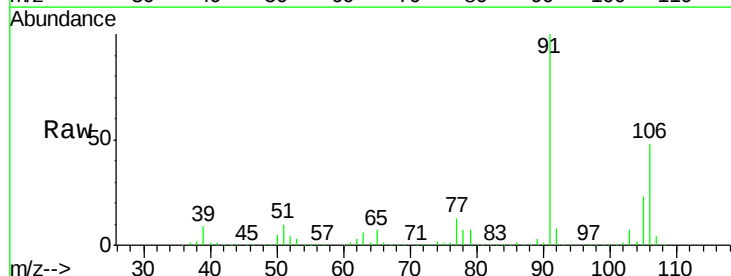
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

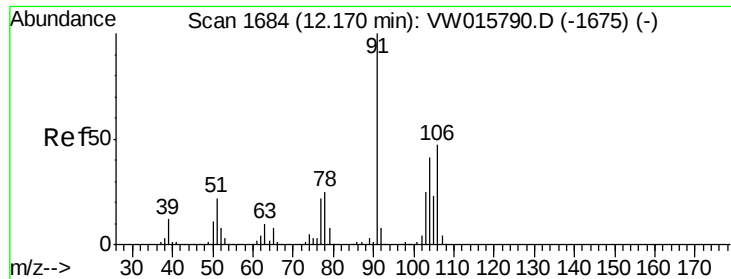
Tot Ion: 91 Resp: 1767010
Ion Ratio Lower Upper
91 100
106 31.5 25.8 38.8



#68
m/p-Xylenes
Concen: 291.310 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion: 106 Resp: 1327671
Ion Ratio Lower Upper
106 100
91 204.1 164.1 246.1

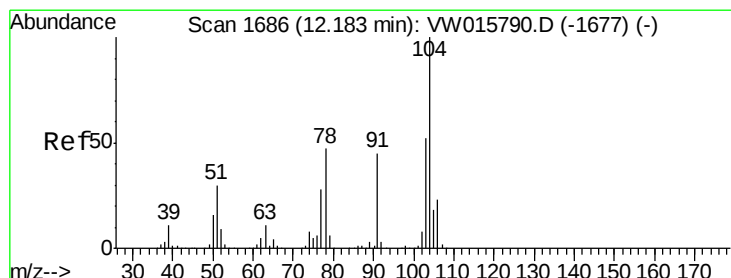
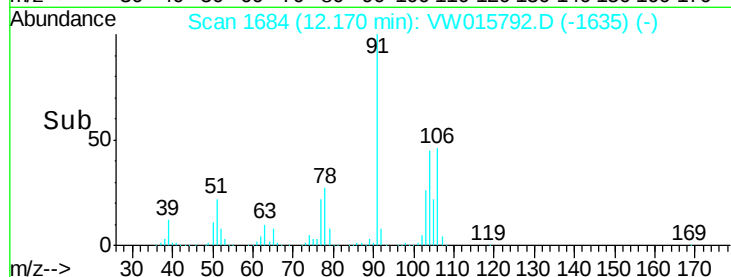
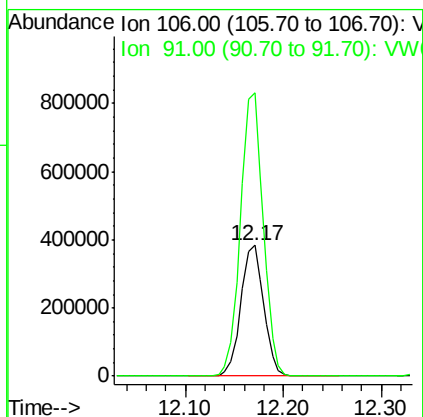
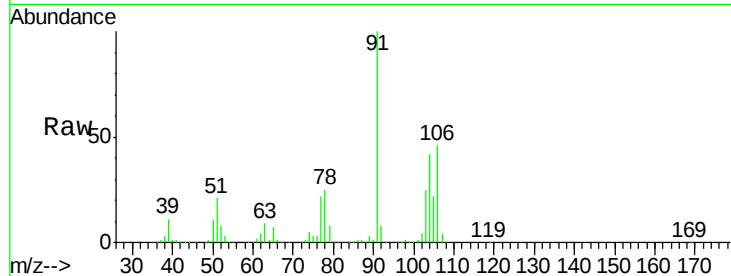




#69
o-Xylene
Concen: 149.511 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

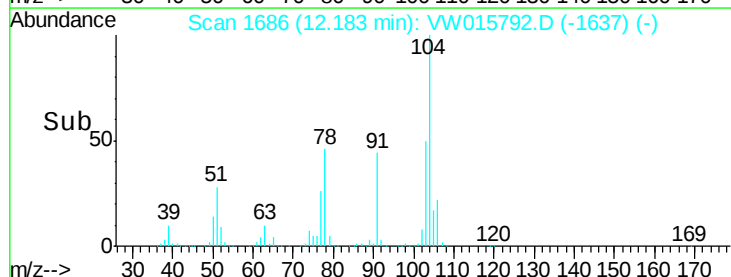
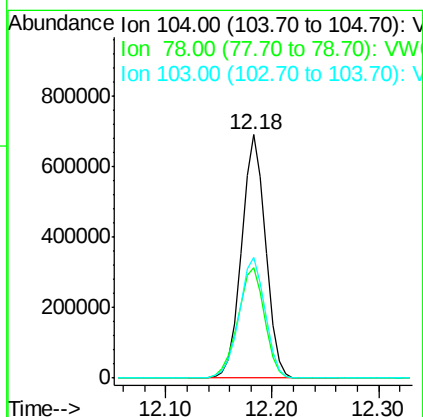
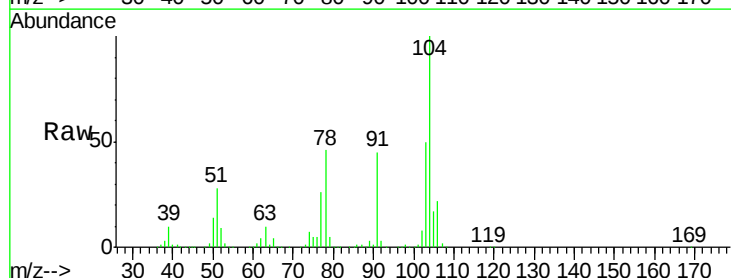
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

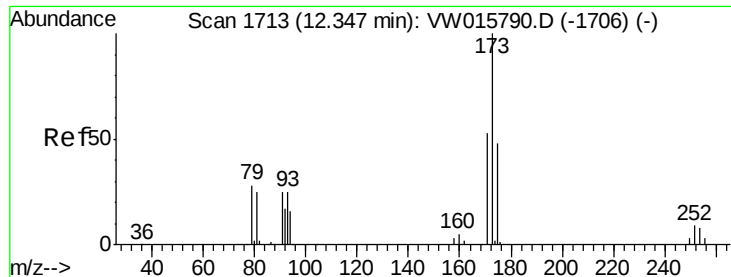
Tot Ion:106 Resp: 620774
Ion Ratio Lower Upper
106 100
91 216.0 108.5 325.3



#70
Styrene
Concen: 152.676 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion:104 Resp: 1091350
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.4
103 53.7 43.8 65.8





#71

Bromoform

Concen: 162.030 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

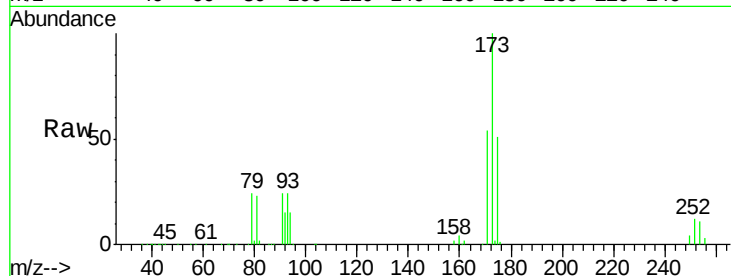
Tot Ion:173 Resp: 171206

Ion Ratio Lower Upper

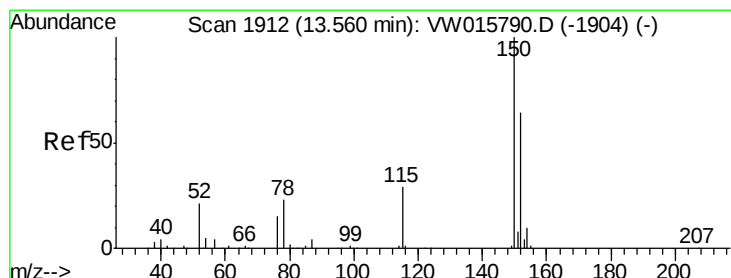
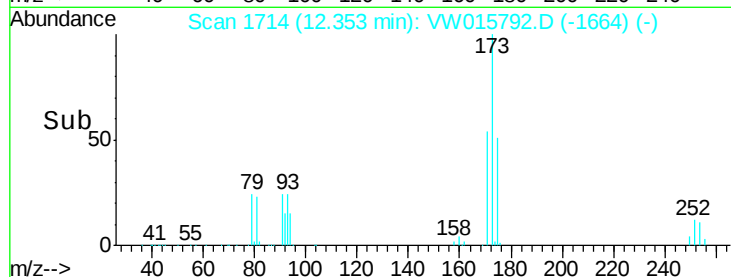
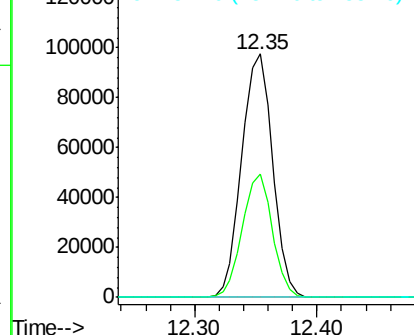
173 100

175 49.1 23.5 70.5

254 0.1 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: VW015792.D

Acq: 07 Jul 2020 13:04

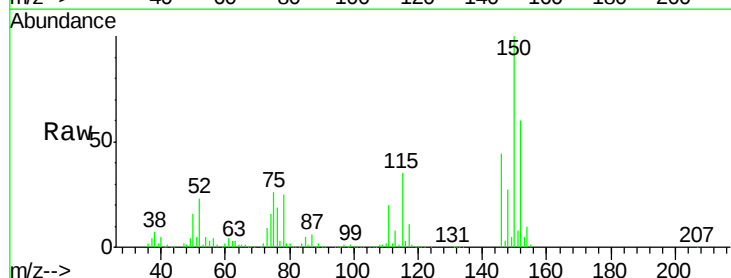
Tgt Ion:152 Resp: 159643

Ion Ratio Lower Upper

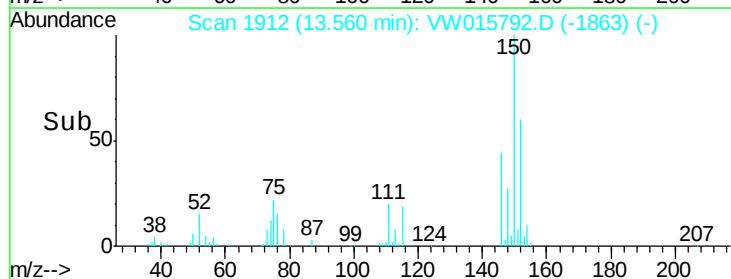
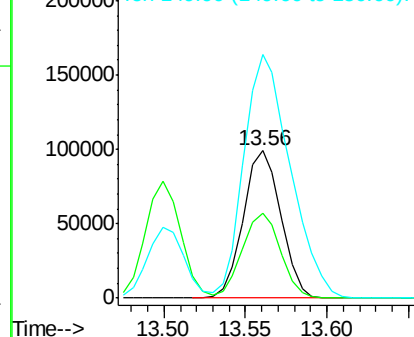
152 100

115 58.4 29.9 89.7

150 202.5 0.0 350.8



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





#73

Isopropylbenzene

Concen: 154.728 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

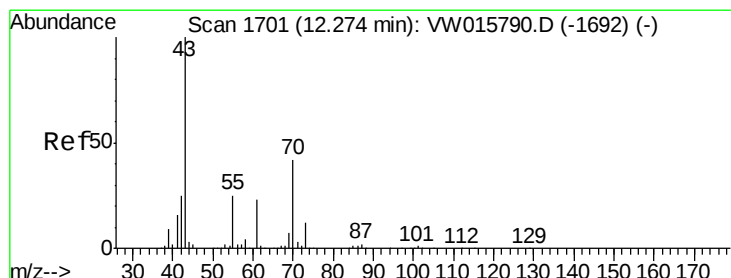
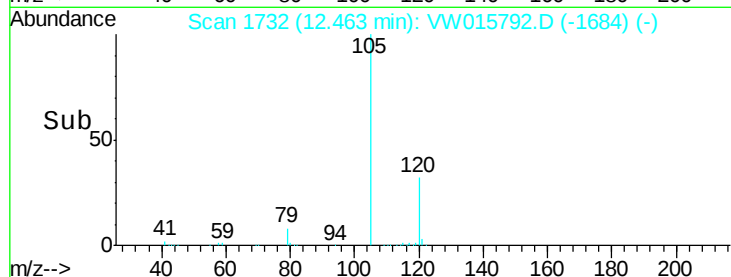
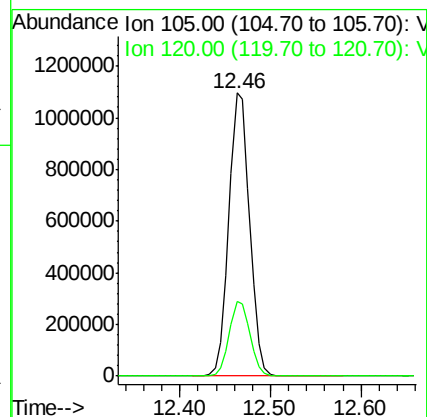
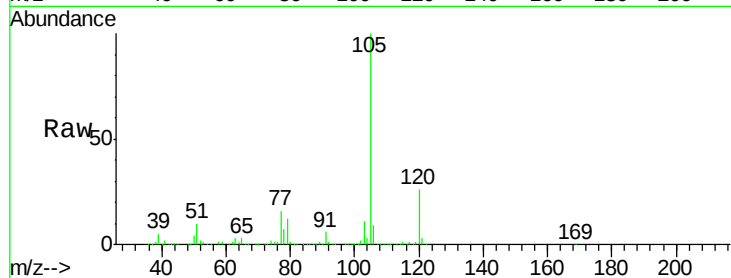
VSTDIC150

Tot Ion:105 Resp: 1741939

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6



#74

N-ethyl acetate

Concen: 164.558 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Tgt Ion: 43 Resp: 392772

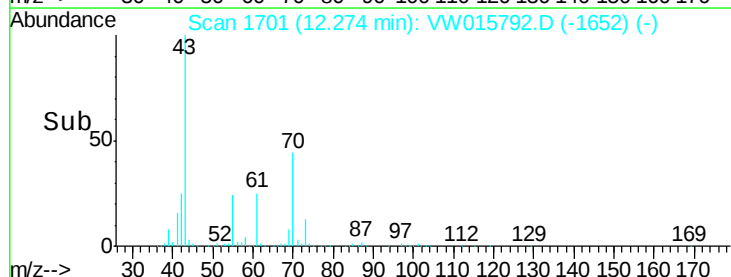
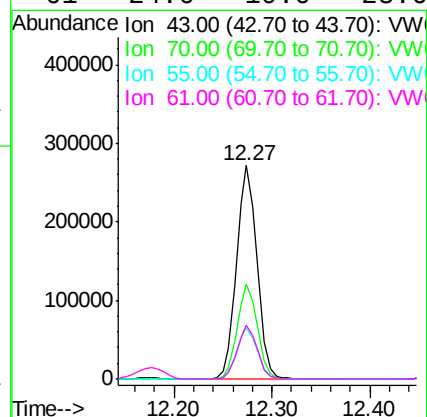
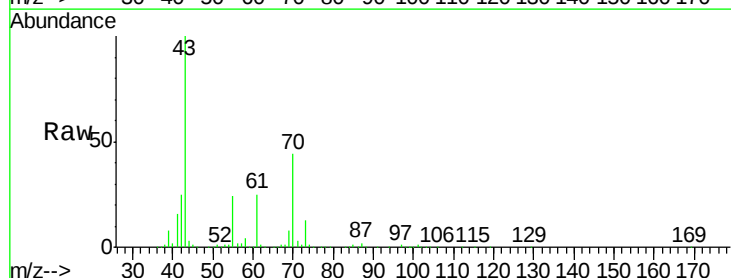
Ion Ratio Lower Upper

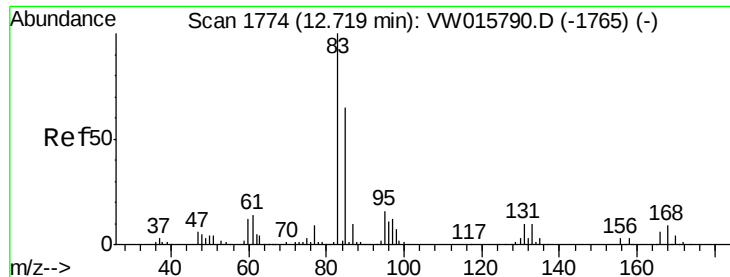
43 100

70 43.9 34.1 51.1

55 24.2 20.0 30.0

61 24.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 151.980 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

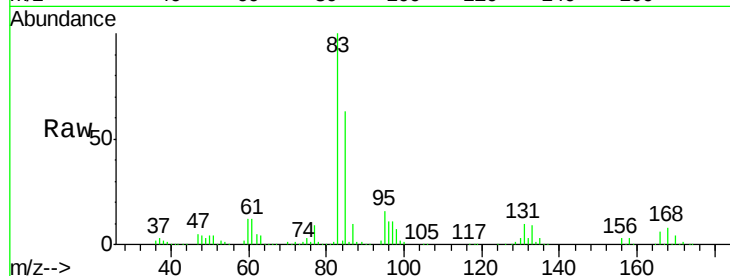
Tot Ion: 83 Resp: 282954

Ion Ratio Lower Upper

83 100

131 10.6 5.3 16.1

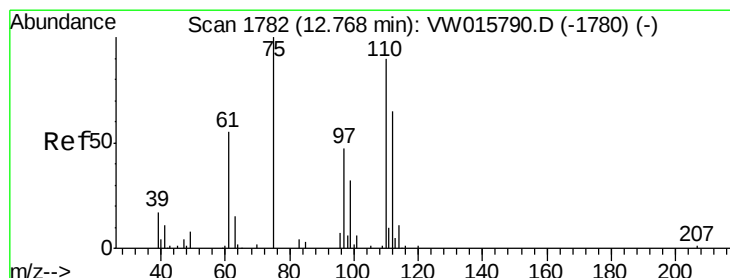
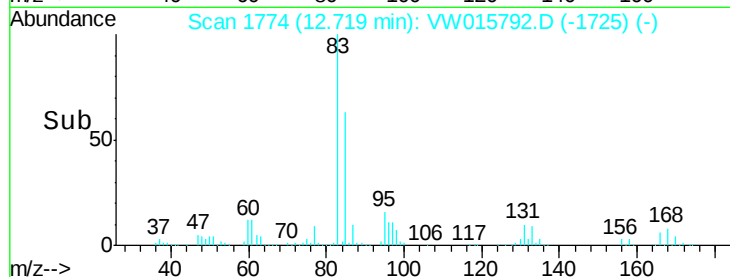
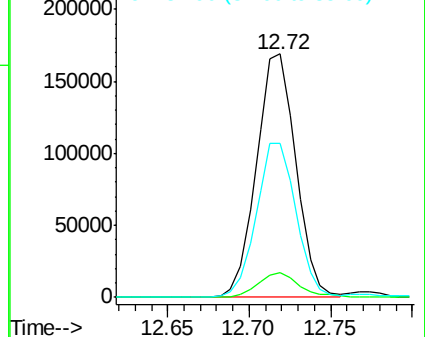
85 63.9 31.9 95.9



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: 136.322 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015792.D

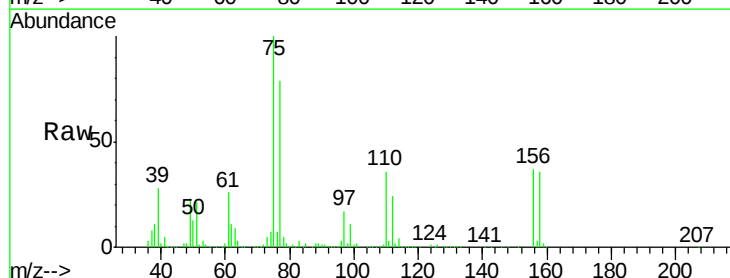
Acq: 07 Jul 2020 13:04

Tgt Ion: 75 Resp: 202859

Ion Ratio Lower Upper

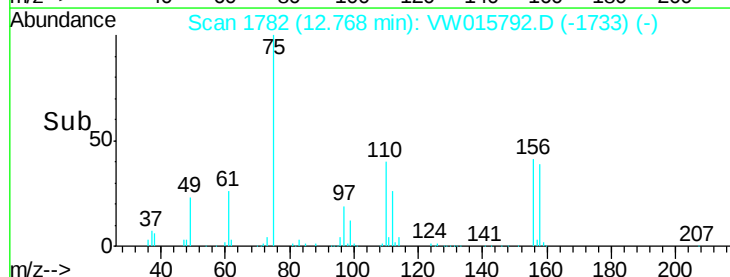
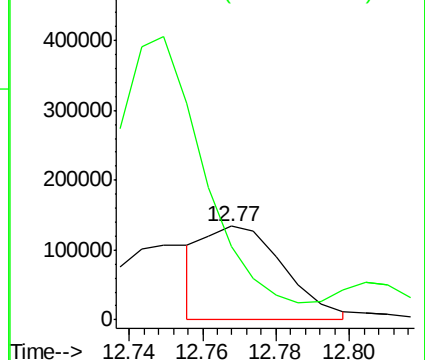
75 100

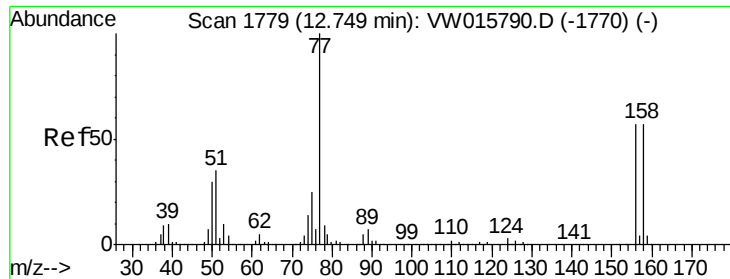
77 362.5 177.3 532.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 150.046 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

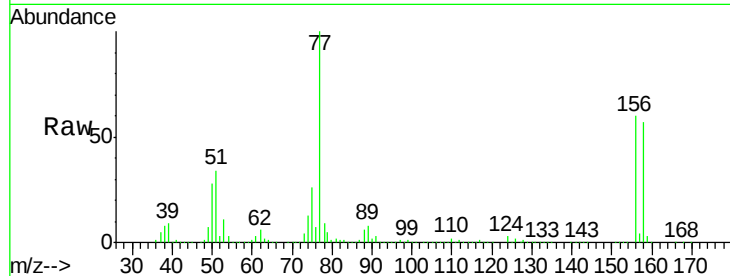
Tot Ion:156 Resp: 376600

Ion Ratio Lower Upper

156 100

77 195.3 98.8 296.4

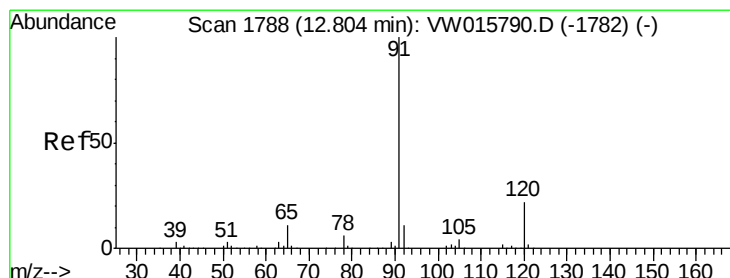
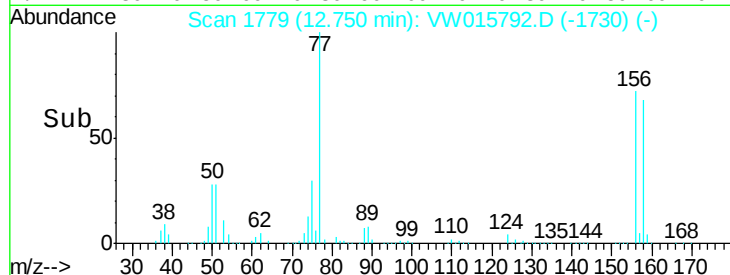
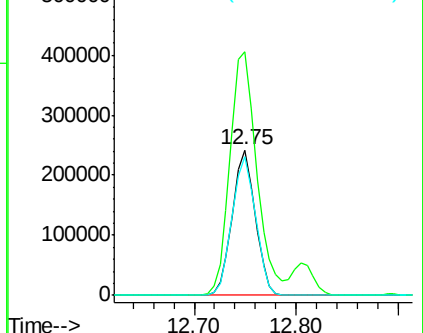
158 97.6 50.0 149.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 149.299 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015792.D

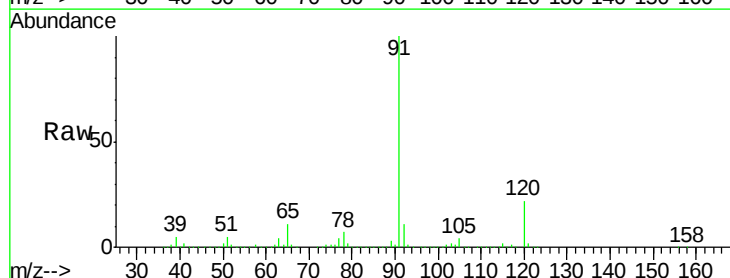
Acq: 07 Jul 2020 13:04

Tgt Ion: 91 Resp: 2045463

Ion Ratio Lower Upper

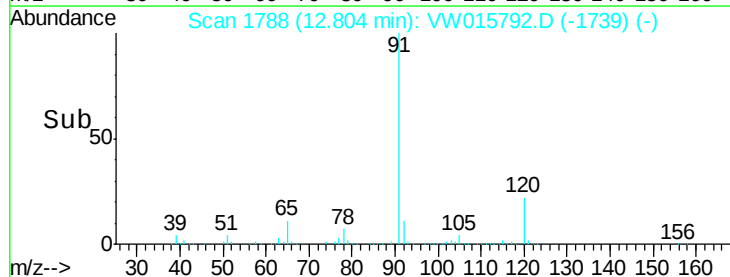
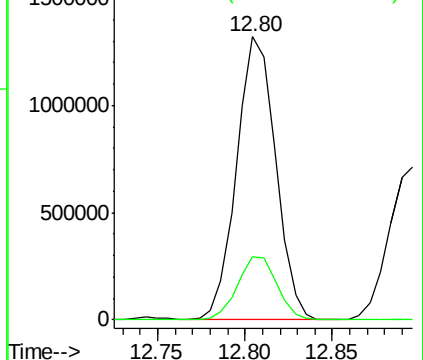
91 100

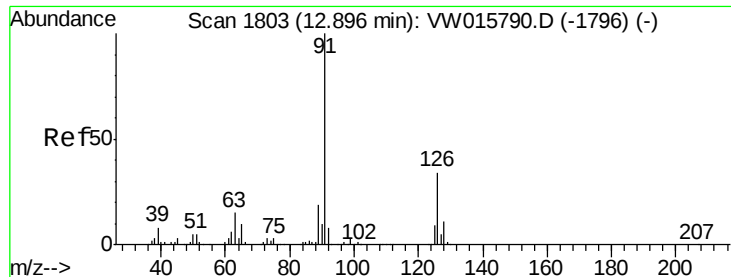
120 22.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 148.084 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

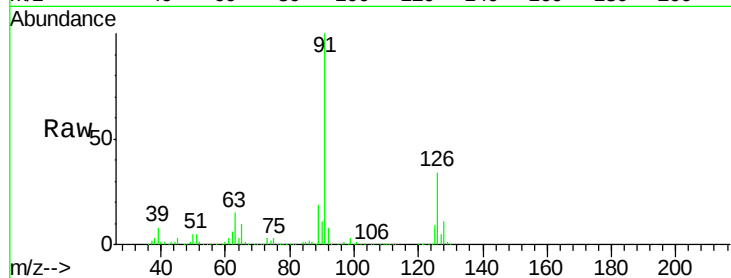
VSTDIC150

Tot Ion: 91 Resp: 1154210

Ion Ratio Lower Upper

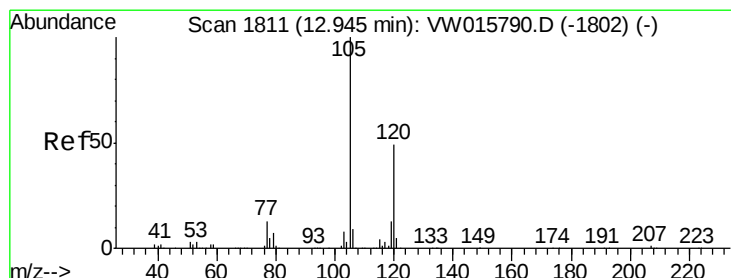
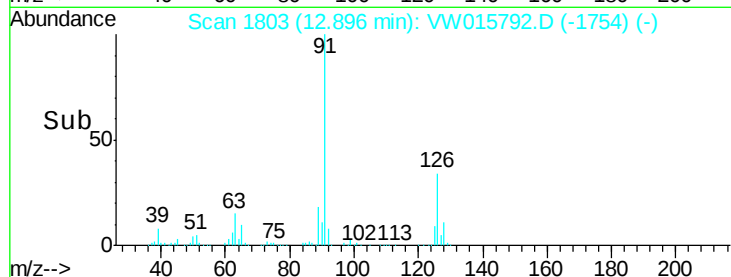
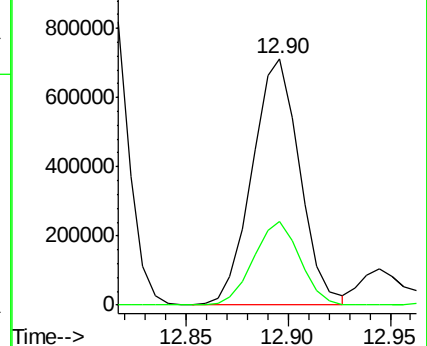
91 100

126 33.1 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 150.730 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015792.D

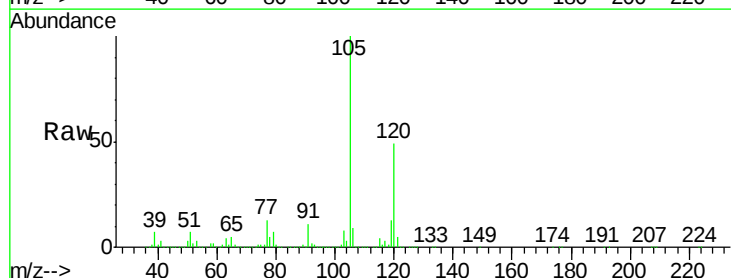
Acq: 07 Jul 2020 13:04

Tgt Ion:105 Resp: 1445411

Ion Ratio Lower Upper

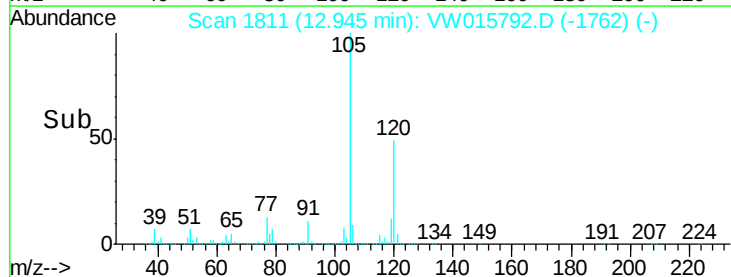
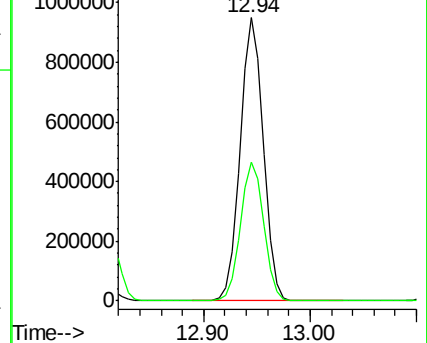
105 100

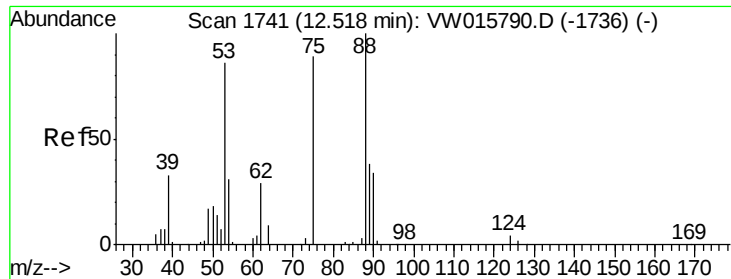
120 49.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 180.373 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

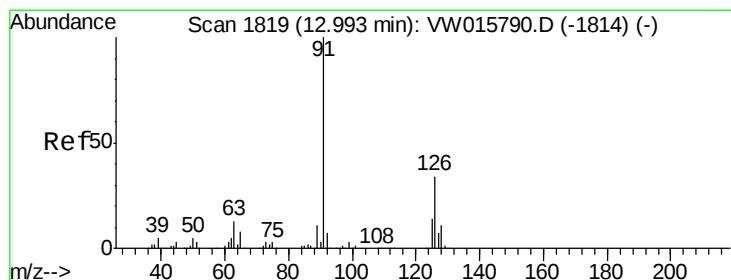
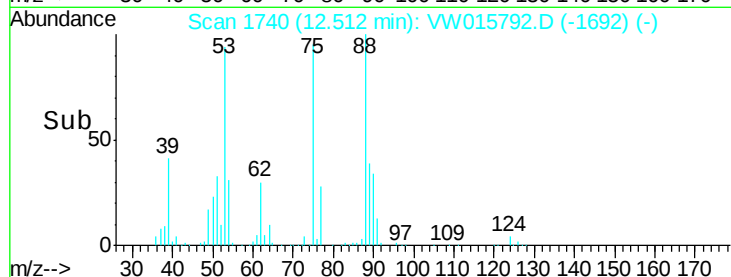
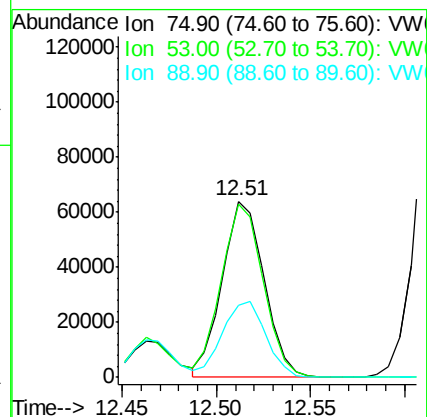
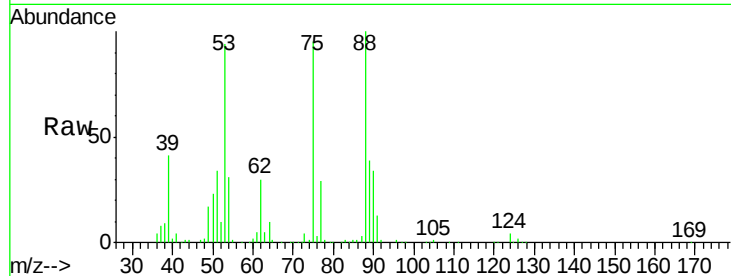
Tot Ion: 75 Resp: 98359

Ion Ratio Lower Upper

75 100

53 99.3 85.9 128.9

89 45.2 36.2 54.4



#82

4-Chlorotoluene

Concen: 147.652 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW015792.D

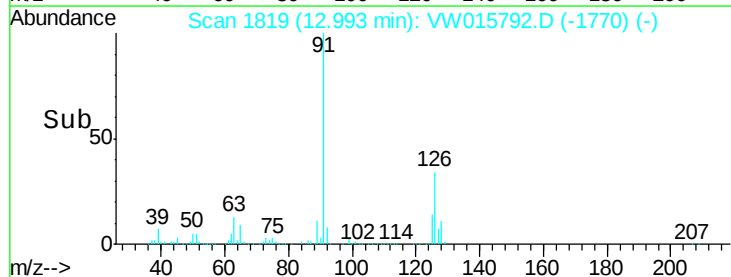
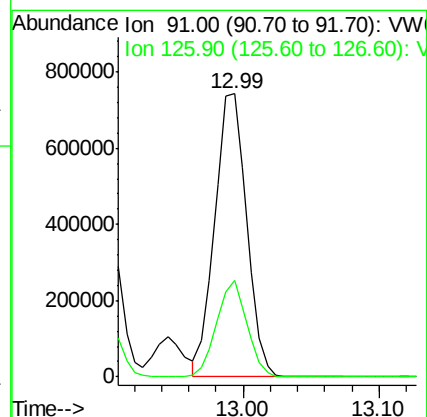
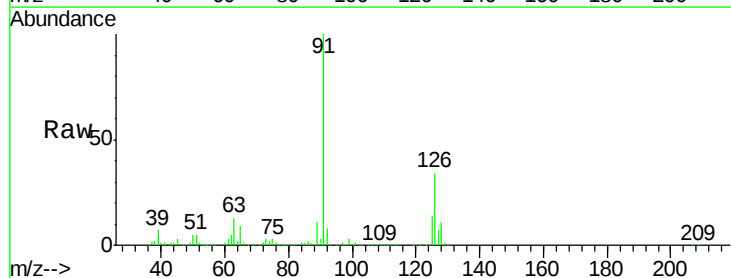
Acq: 07 Jul 2020 13:04

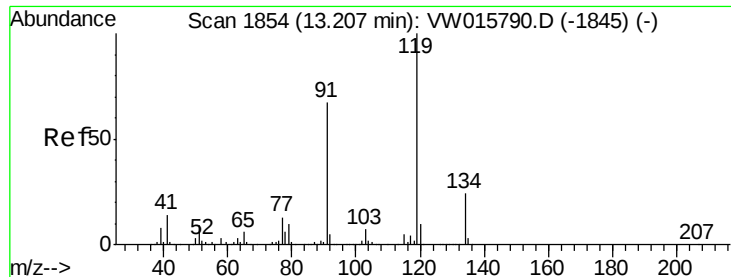
Tgt Ion: 91 Resp: 1202951

Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.9

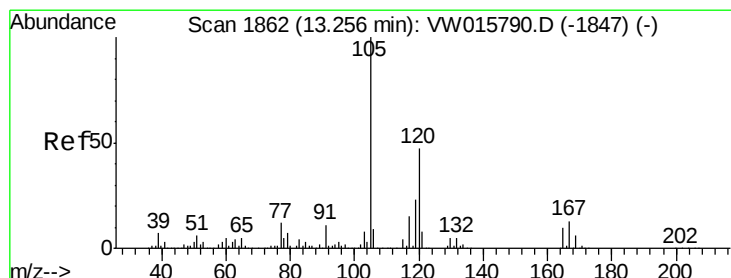
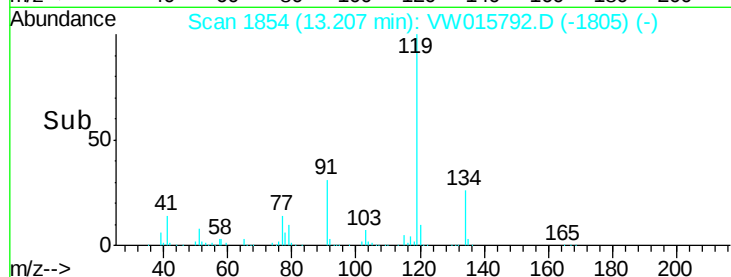
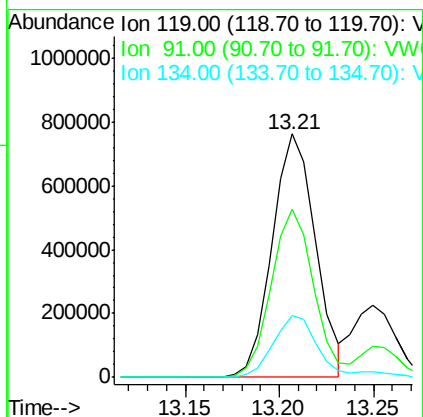
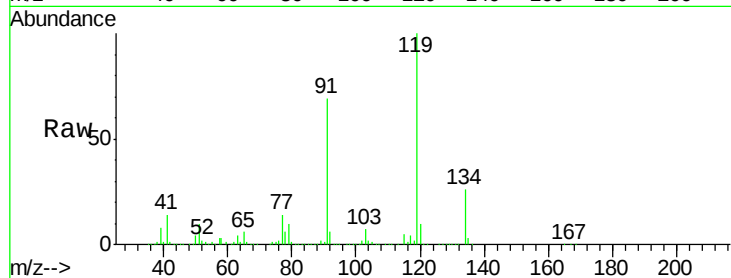




#83
tert-Butylbenzene
Concen: 152.447 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

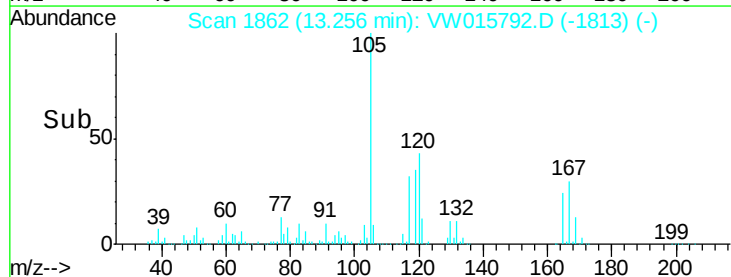
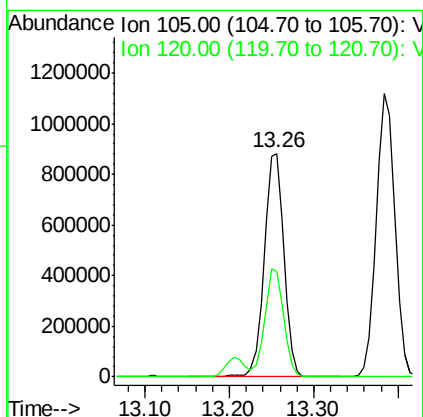
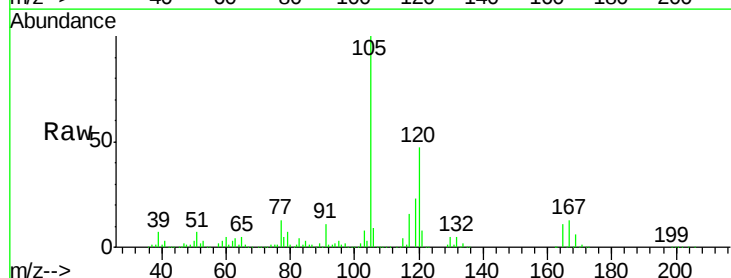
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

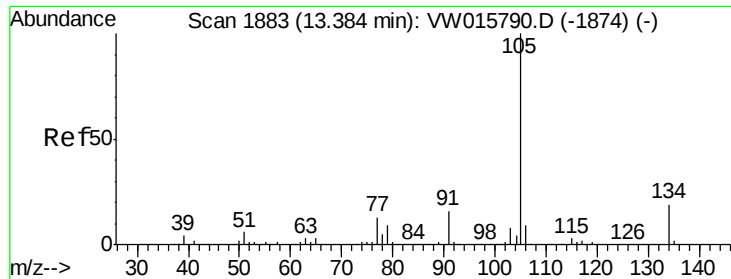
Tot Ion:119 Resp: 1217116
Ion Ratio Lower Upper
119 100
91 68.3 34.4 103.3
134 27.2 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 148.723 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion:105 Resp: 1421824
Ion Ratio Lower Upper
105 100
120 46.2 22.8 68.4

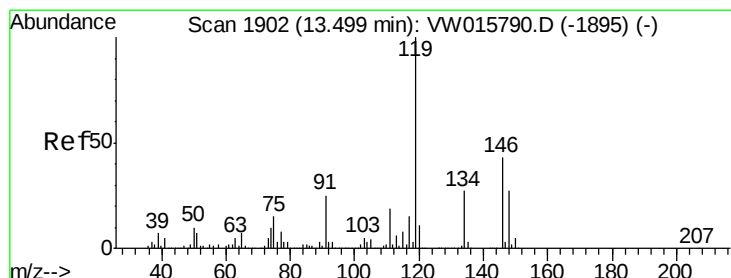
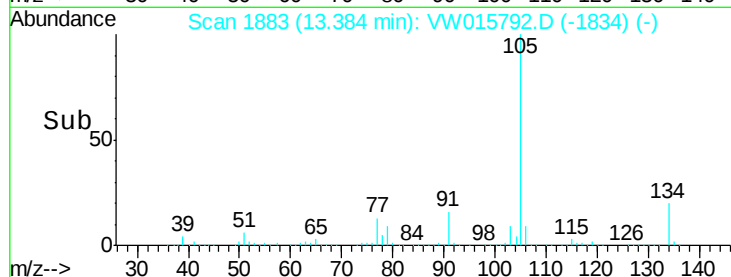
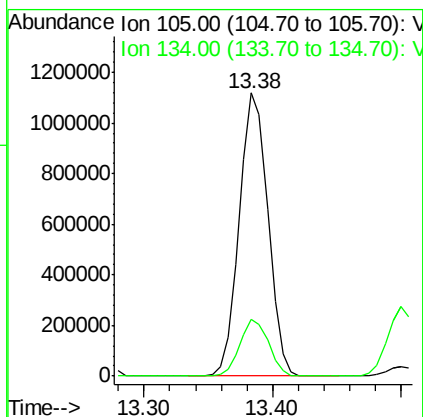
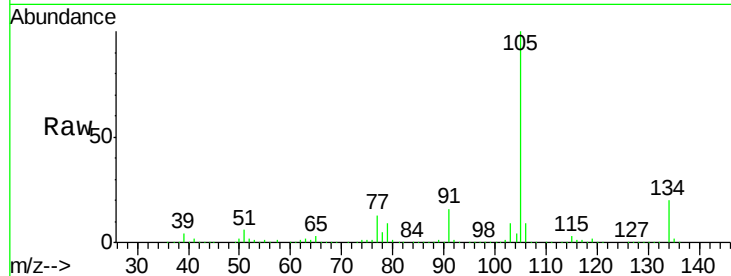




#85
 sec-Butylbenzene
 Concen: 150.242 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

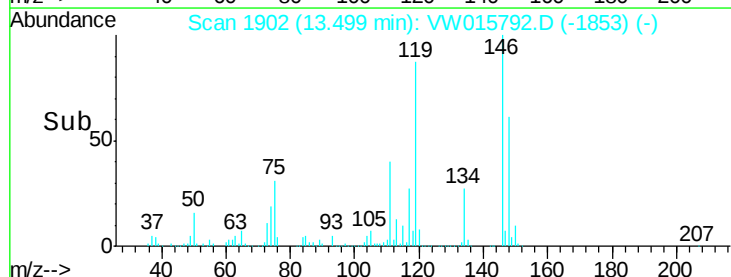
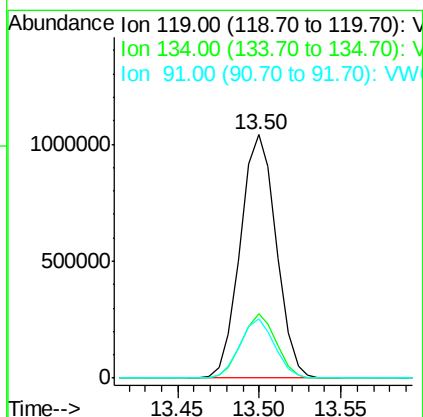
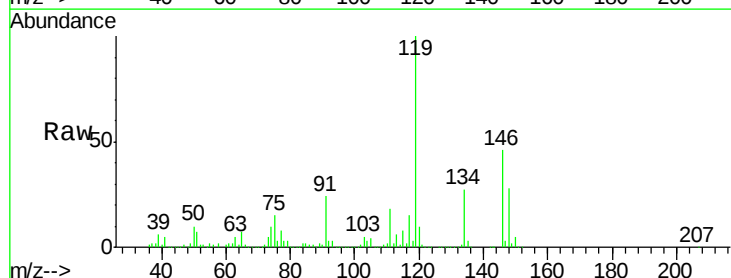
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

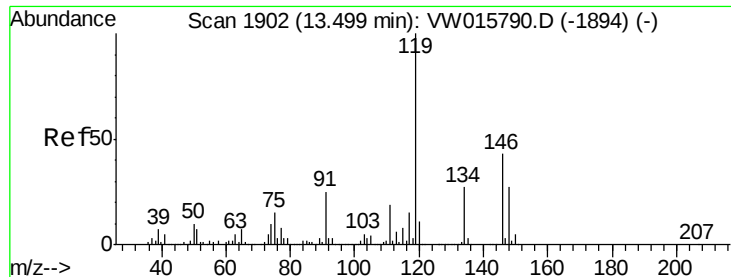
Tot Ion:105 Resp: 1727166
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 152.481 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion:119 Resp: 1597483
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.6
 91 23.5 12.2 36.6

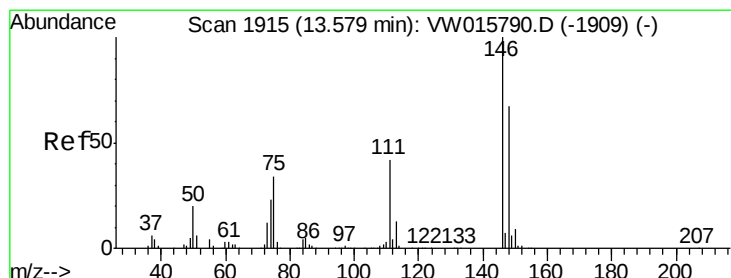
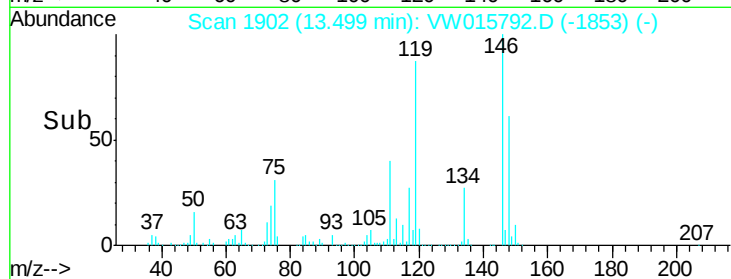
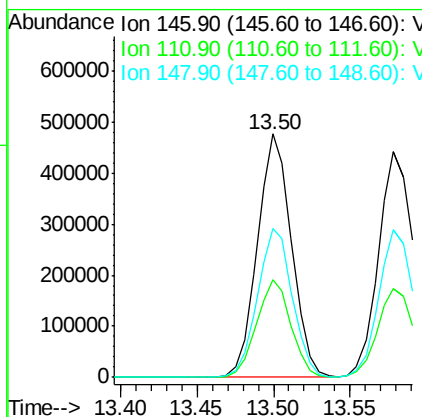
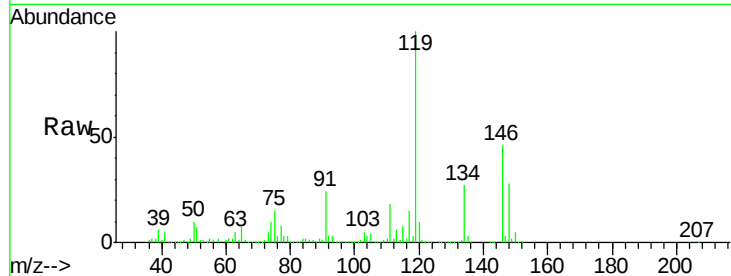




#87
 1,3-Dichlorobenzene
 Concen: 145.617 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

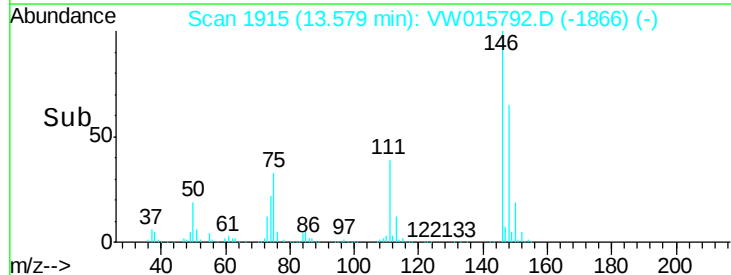
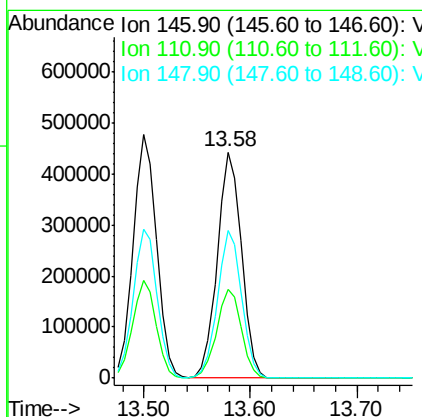
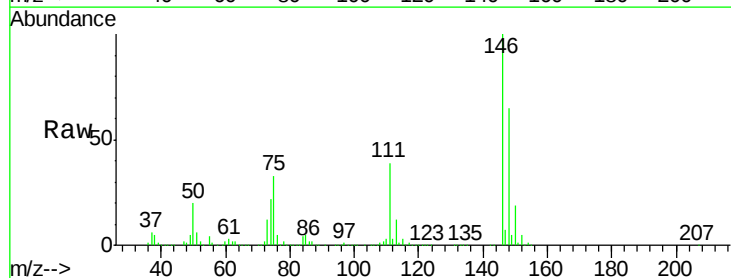
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

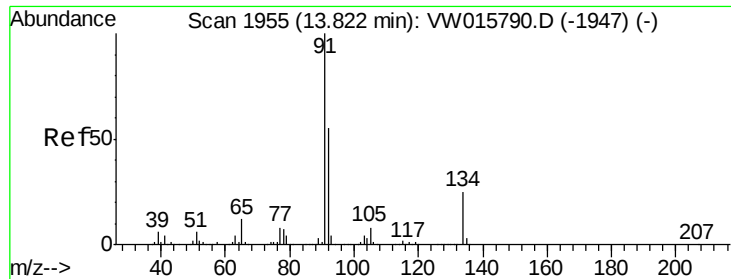
Tot Ion:146 Resp: 739673
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.8 62.4
 148 62.5 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 141.245 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion:146 Resp: 698113
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.2 60.6
 148 65.0 31.8 95.4





#89

n-Butylbenzene

Concen: 150.653 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

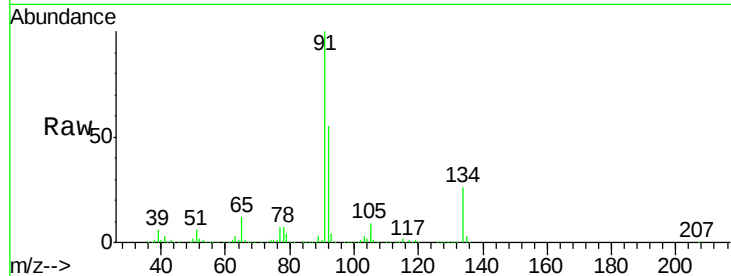
Tot Ion: 91 Resp: 1516125

Ion Ratio Lower Upper

91 100

92 55.0 27.2 81.6

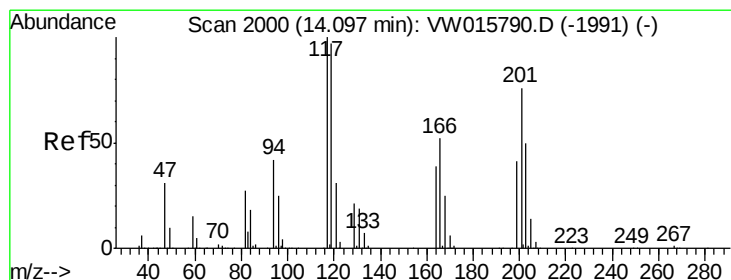
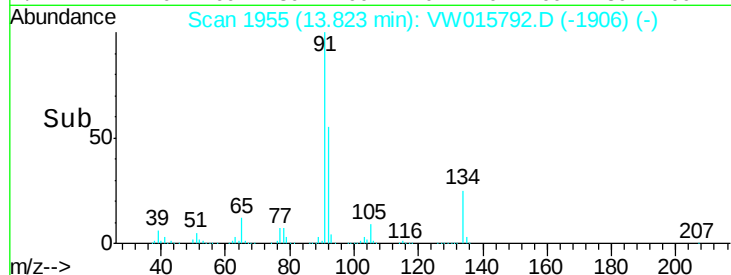
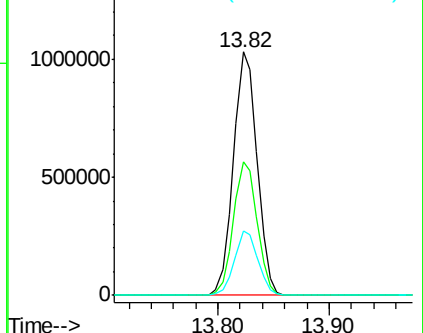
134 26.0 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 151.934 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW015792.D

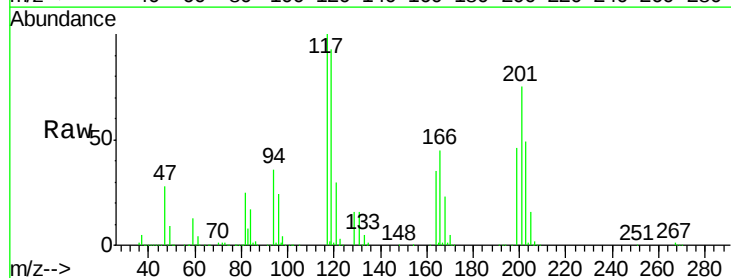
Acq: 07 Jul 2020 13:04

Tgt Ion: 117 Resp: 290683

Ion Ratio Lower Upper

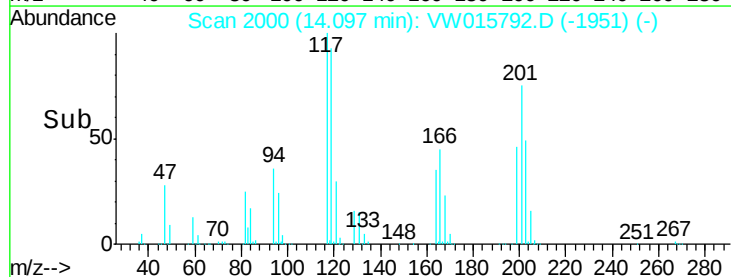
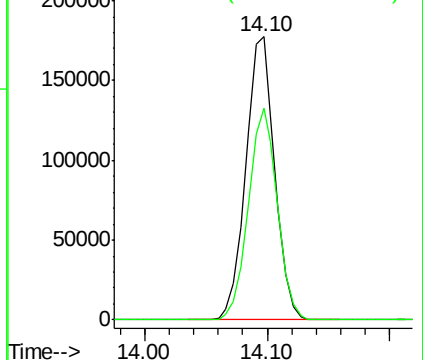
117 100

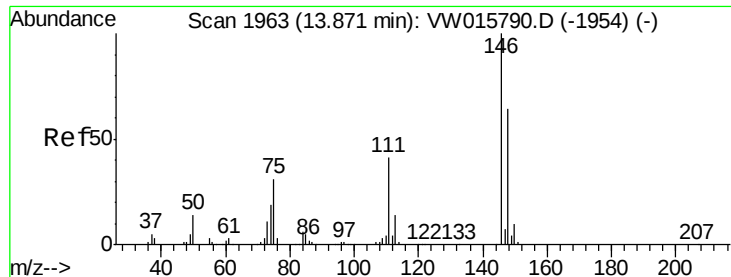
201 74.8 37.1 111.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 143.288 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

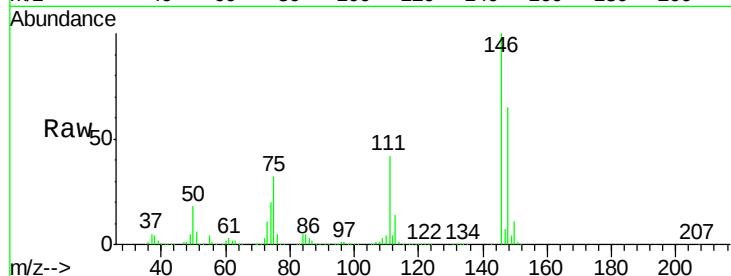
Tot Ion:146 Resp: 626515

Ion Ratio Lower Upper

146 100

111 42.6 20.6 61.9

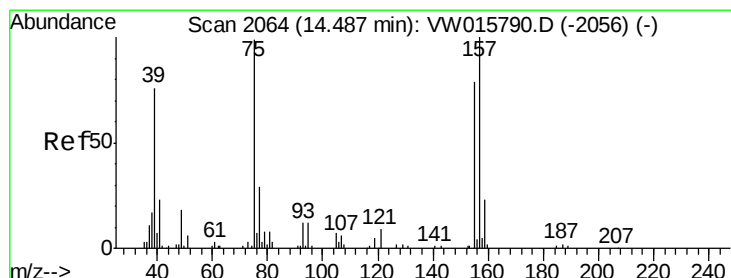
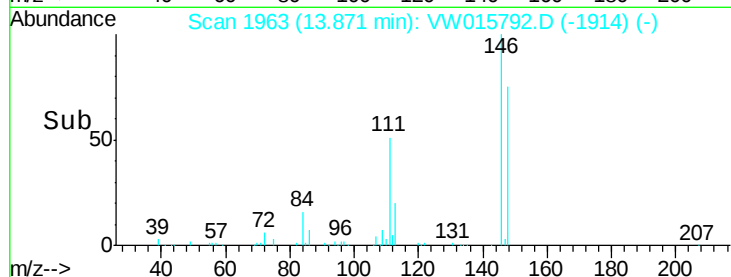
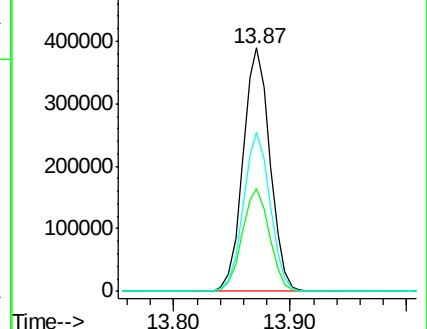
148 65.1 31.8 95.4



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: 158.311 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015792.D

Acq: 07 Jul 2020 13:04

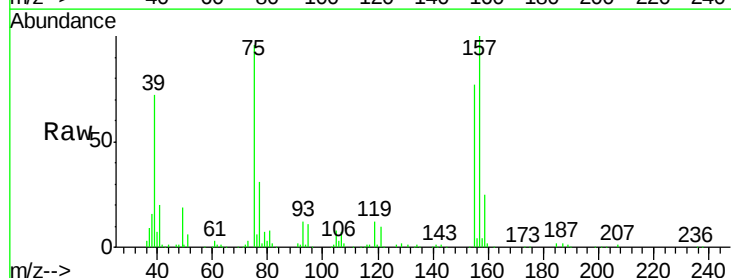
Tgt Ion: 75 Resp: 47030

Ion Ratio Lower Upper

75 100

155 80.0 39.1 117.5

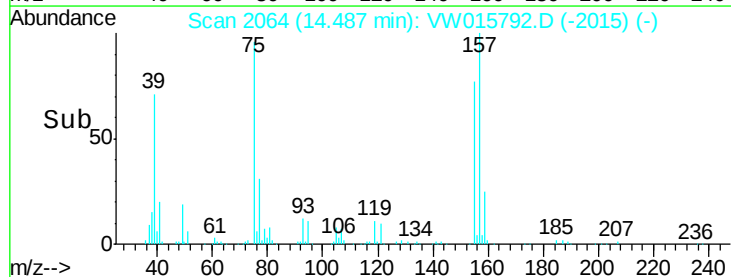
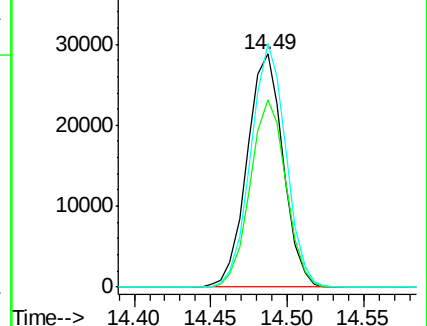
157 102.0 49.1 147.4

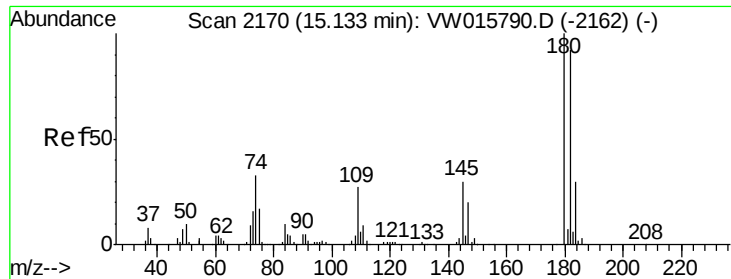


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

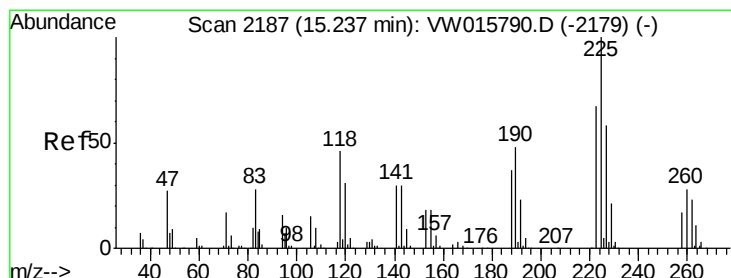
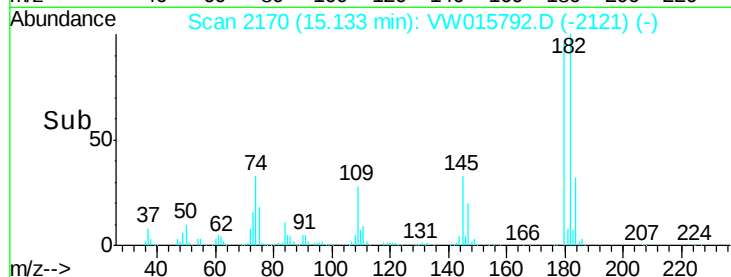
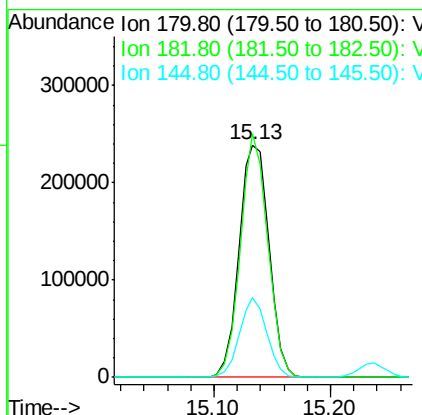
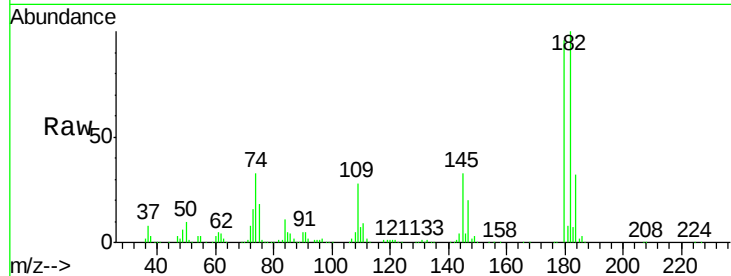




#93
 1,2,4-Trichlorobenzene
 Concen: 155.299 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

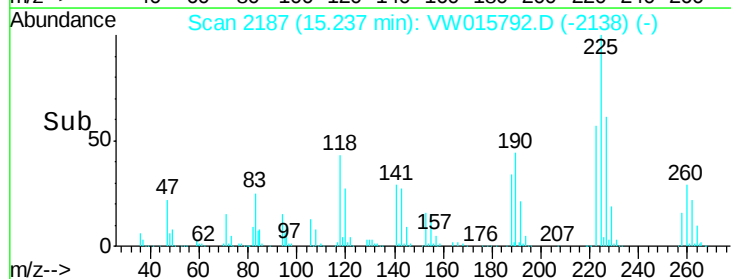
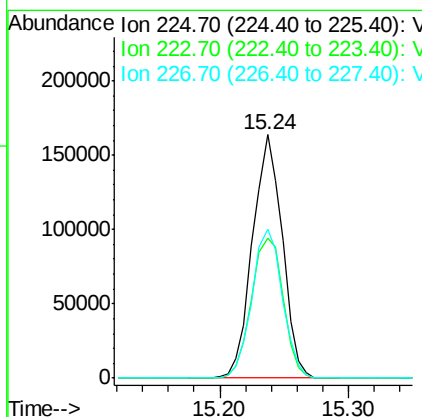
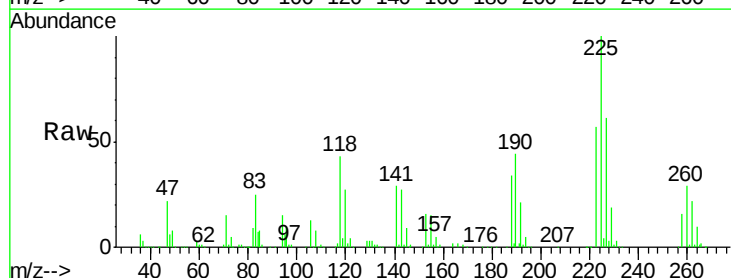
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

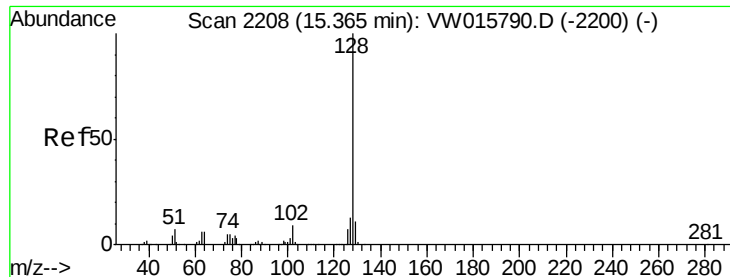
Tot Ion:180 Resp: 427833
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.8 140.3
 145 31.3 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 148.942 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015792.D
 Acq: 07 Jul 2020 13:04

Tgt Ion:225 Resp: 260517
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.4 97.2
 227 62.7 30.7 92.1

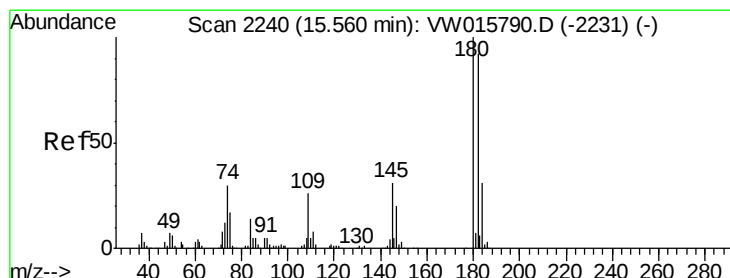
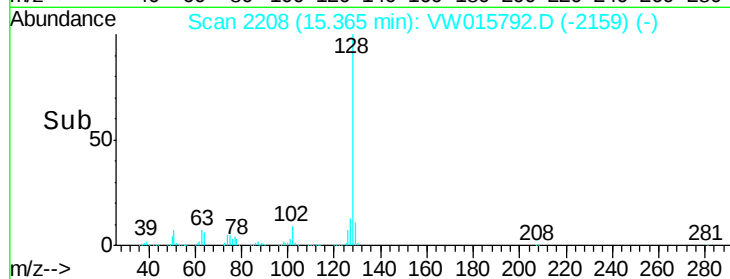
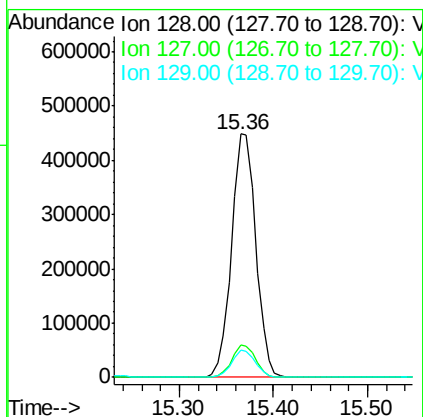
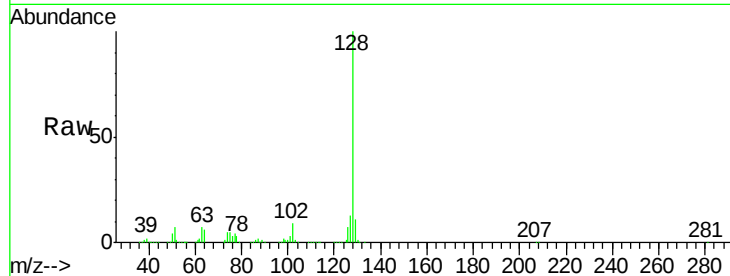




#95
Naphthalene
Concen: 174.317 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 800750
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 159.313 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW015792.D
Acq: 07 Jul 2020 13:04

Tgt Ion:180 Resp: 370716
Ion Ratio Lower Upper
180 100
182 96.7 47.7 143.1
145 32.7 16.7 50.0

