

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
 Data File : VW015740.D
 Acq On : 26 Jun 2020 11:07
 Operator : SY/VA
 Sample : VW0626SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0626SBS01

Quant Time: Jun 27 01:47:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309870	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143125	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	107311	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.88	113	95524	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.32	98	384691	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	139831	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	24772	21.451	ug/l	95
3) Chloromethane	2.21	50	30474	22.472	ug/l	96
4) Vinyl Chloride	2.37	62	48824	22.271	ug/l	99
5) Bromomethane	2.78	94	37874	23.505	ug/l	98
6) Chloroethane	2.93	64	33087	22.934	ug/l	99
7) Trichlorofluoromethane	3.26	101	35137	21.346	ug/l	94
8) Diethyl Ether	3.68	74	21165	22.264	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42110	21.703	ug/l	99
10) Methyl Iodide	4.26	142	58402	21.287	ug/l	100
11) Tert butyl alcohol	5.20	59	12280	80.206	ug/l	100
12) 1,1-Dichloroethene	4.03	96	40714	21.550	ug/l	94
13) Acrolein	3.89	56	13594	90.810	ug/l	99
14) Allyl chloride	4.67	41	65833	21.478	ug/l	99
15) Acrylonitrile	5.37	53	41187	105.009	ug/l	99
16) Acetone	4.13	43	43694	106.659	ug/l	100
17) Carbon Disulfide	4.38	76	108395	19.935	ug/l	100
18) Methyl Acetate	4.67	43	20794	21.932	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	63011	22.161	ug/l	96
20) Methylene Chloride	4.91	84	52749	24.065	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	46664	21.543	ug/l	97
22) Diisopropyl ether	6.31	45	134551	22.071	ug/l	95
23) Vinyl Acetate	6.26	43	375003	105.484	ug/l	99
24) 1,1-Dichloroethane	6.21	63	84275	21.961	ug/l	99
25) 2-Butanone	7.18	43	55317	99.910	ug/l	100
26) 2,2-Dichloropropane	7.17	77	53280	20.701	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50849	21.822	ug/l	100
28) Bromochloromethane	7.51	49	30961	20.975	ug/l	97
29) Tetrahydrofuran	7.54	42	33659	103.452	ug/l	98
30) Chloroform	7.68	83	85485	21.721	ug/l	98
31) Cyclohexane	7.95	56	79238	21.346	ug/l	# 96
32) 1,1,1-Trichloroethane	7.87	97	71977	21.455	ug/l	99
36) 1,1-Dichloropropene	8.08	75	70005	21.721	ug/l	99
37) Ethyl Acetate	7.26	43	25740	20.917	ug/l	99
38) Carbon Tetrachloride	8.07	117	66957	21.432	ug/l	98

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 Data File : VW015740.D
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 Operator : SY/VA
 Sample : VW0626SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0626SBS01

Quant Time: Jun 27 01:47:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82609	21.162	ug/l	99
40) Benzene	8.32	78	189823	21.661	ug/l	98
41) Methacrylonitrile	7.48	41	14735	20.863	ug/l	98
42) 1,2-Dichloroethane	8.40	62	59061	21.785	ug/l	99
43) Isopropyl Acetate	8.43	43	50753	20.667	ug/l	100
44) Trichloroethene	9.09	130	50214	21.258	ug/l	91
45) 1,2-Dichloropropane	9.37	63	46920	21.904	ug/l	99
46) Dibromomethane	9.46	93	23515	21.217	ug/l	99
47) Bromodichloromethane	9.65	83	60416	20.899	ug/l	99
48) Methyl methacrylate	9.44	41	23417	20.857	ug/l	99
49) 1,4-Dioxane	9.46	88	5893	405.325	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	122471	103.413	ug/l	100
52) Toluene	10.39	92	123919	21.899	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	57054	20.429	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	69981	20.975	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33376	21.660	ug/l	99
56) Ethyl methacrylate	10.65	69	40393	21.067	ug/l	96
57) 1,3-Dichloropropane	10.93	76	59095	21.632	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	96886	106.783	ug/l	99
59) 2-Hexanone	10.97	43	83581	103.665	ug/l	98
60) Dibromochloromethane	11.13	129	36852	20.522	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30713	20.852	ug/l	100
64) Tetrachloroethene	10.87	164	42556	21.716	ug/l	98
65) Chlorobenzene	11.66	112	129420	22.006	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	44677	21.666	ug/l	97
67) Ethyl Benzene	11.73	91	243317	22.230	ug/l	99
68) m/p-Xylenes	11.84	106	182169	44.324	ug/l	97
69) o-Xylene	12.16	106	82077	21.720	ug/l	98
70) Styrene	12.18	104	140805	21.809	ug/l	98
71) Bromoform	12.35	173	19223	20.261	ug/l #	99
73) Isopropylbenzene	12.46	105	233908	21.424	ug/l	100
74) N-amyl acetate	12.27	43	47301	20.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	36868	21.108	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	46564	35.667	ug/l	34
77) Bromobenzene	12.75	156	51191	21.027	ug/l	98
78) n-propylbenzene	12.80	91	289625	22.038	ug/l	100
79) 2-Chlorotoluene	12.89	91	163909	22.151	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	201690	21.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	9532	18.400	ug/l	87
82) 4-Chlorotoluene	12.99	91	170440	21.772	ug/l	99
83) tert-Butylbenzene	13.21	119	170096	21.761	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	202380	21.936	ug/l	99
85) sec-Butylbenzene	13.38	105	247852	22.186	ug/l	99
86) p-Isopropyltoluene	13.50	119	225450	22.212	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	105023	21.731	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106339	22.216	ug/l	96
89) n-Butylbenzene	13.82	91	218337	22.408	ug/l	99
90) Hexachloroethane	14.10	117	37398	20.704	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	91847	21.980	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5811	20.776	ug/l	95

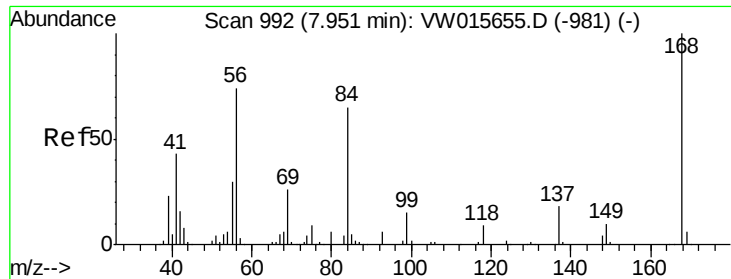
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062620\
Data File : VW015740.D
Acq On : 26 Jun 2020 11:07
Operator : SY/VA
Sample : VW0626SBS01
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MSVOA_W
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Quant Title : SW846 8260
QLast Update : Tue Jun 23 13:20:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61157	22.163	ug/l	99
94) Hexachlorobutadiene	15.24	225	37235	21.181	ug/l	99
95) Naphthalene	15.37	128	97330	21.326	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	51208	21.554	ug/l	98

(#) = 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: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

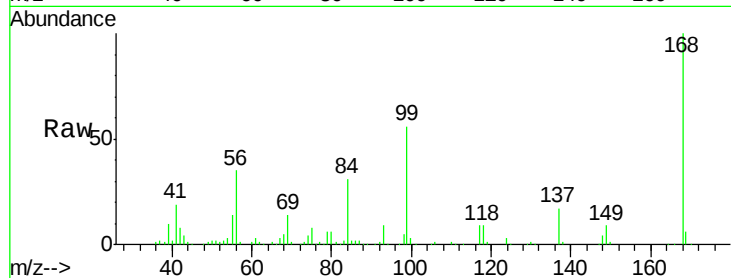
VW0626SBS01

Tot Ion:168 Resp: 193678

Ion Ratio Lower Upper

168 100

99 56.4 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

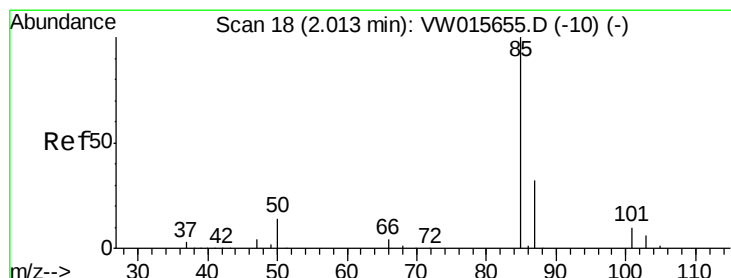
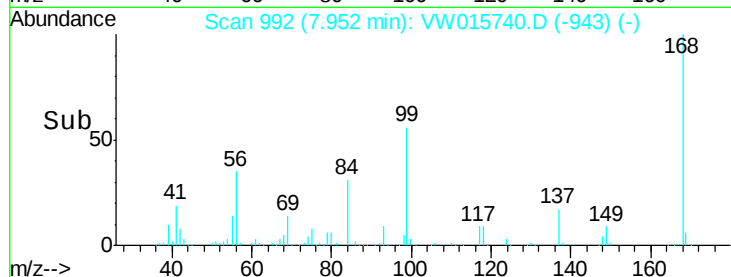
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.451 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015740.D

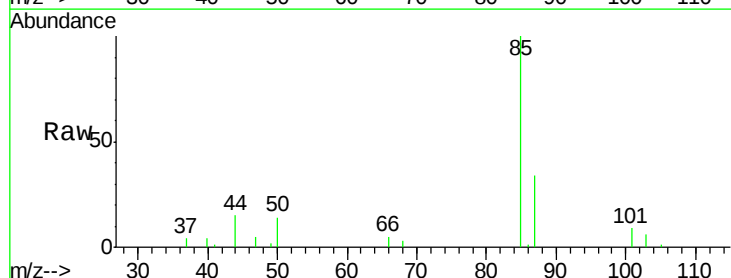
Acq: 26 Jun 2020 11:07

Tgt Ion: 85 Resp: 24772

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

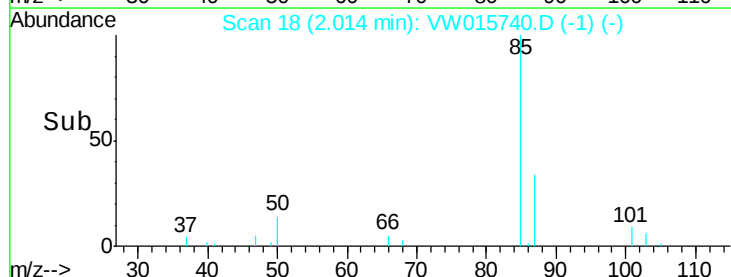
4000

2000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 22.472 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

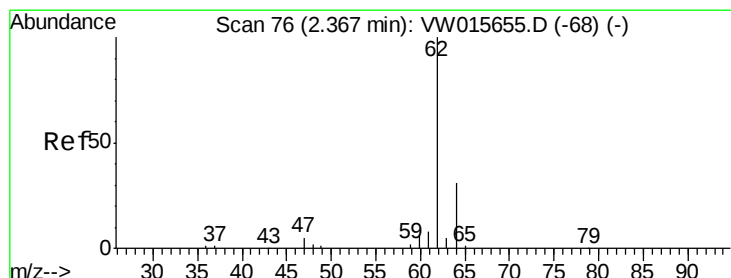
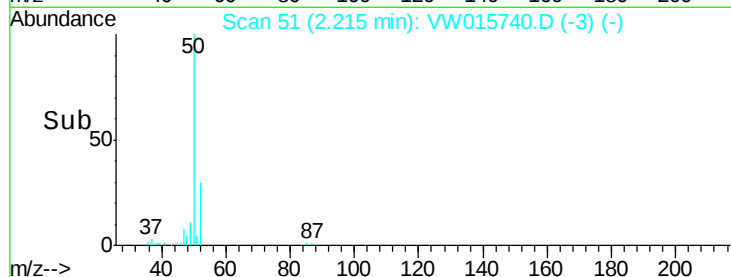
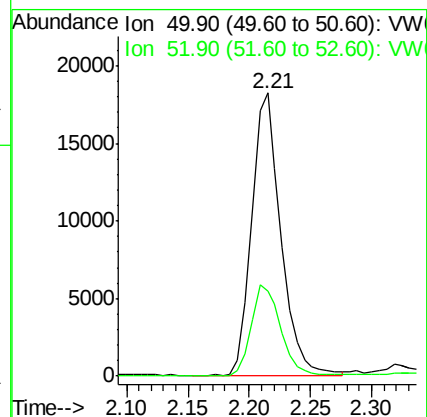
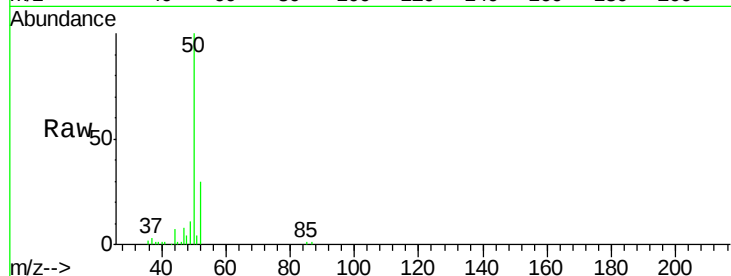
VW0626SBS01

Tot Ion: 50 Resp: 30474

Ion Ratio Lower Upper

50 100

52 30.0 26.0 39.0



#4

Vinyl Chloride

Concen: 22.271 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015740.D

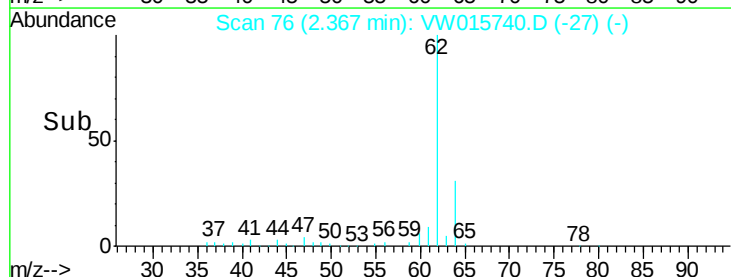
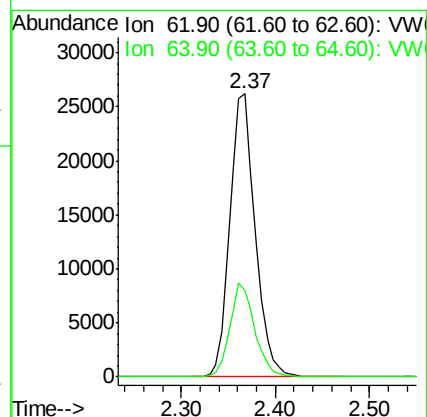
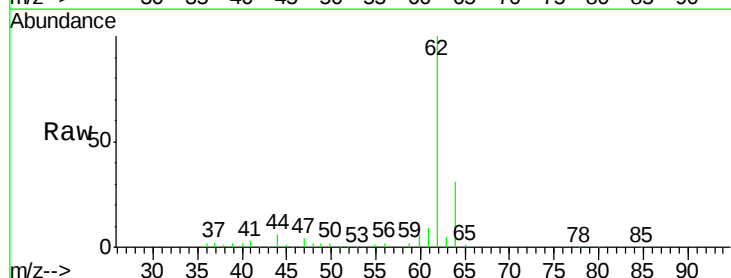
Acq: 26 Jun 2020 11:07

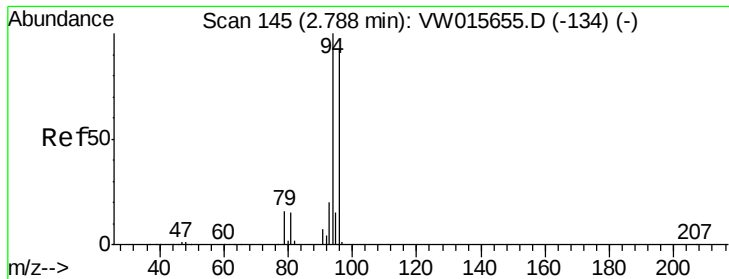
Tgt Ion: 62 Resp: 48824

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7





#5

Bromomethane

Concen: 23.505 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

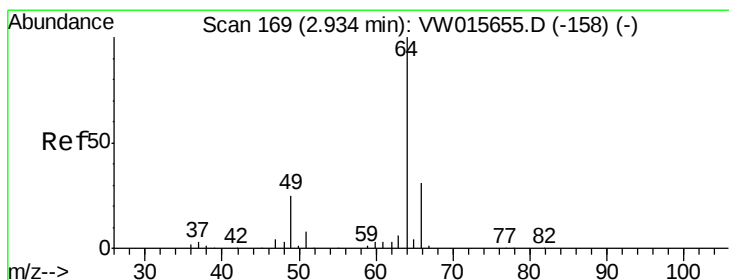
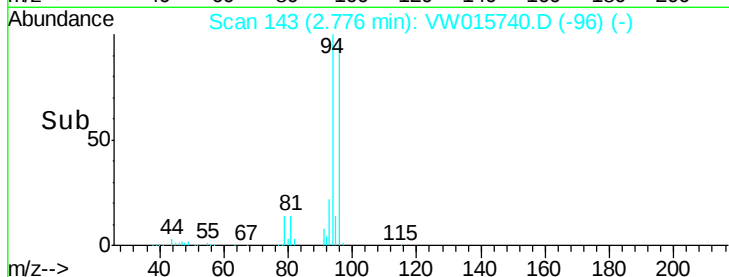
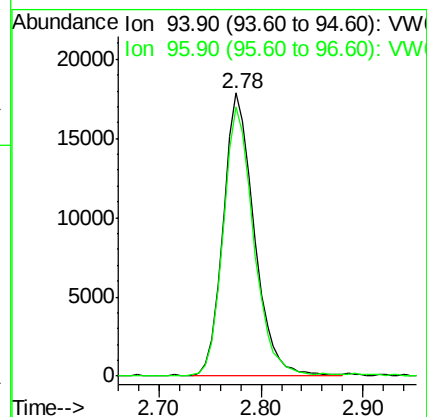
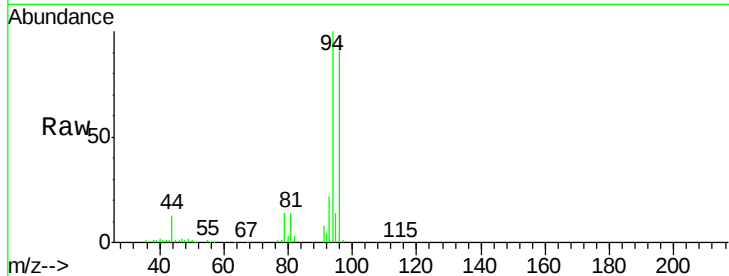
VW0626SBS01

Tot Ion: 94 Resp: 37874

Ion Ratio Lower Upper

94 100

96 94.4 73.8 110.6



#6

Chloroethane

Concen: 22.934 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015740.D

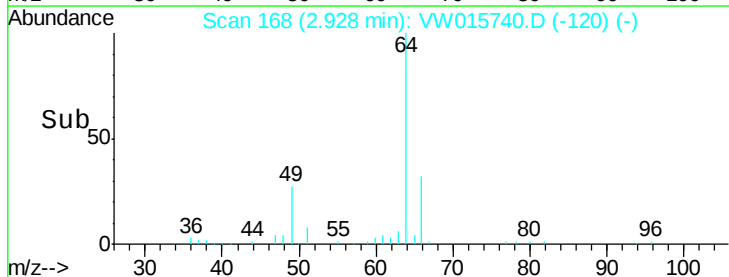
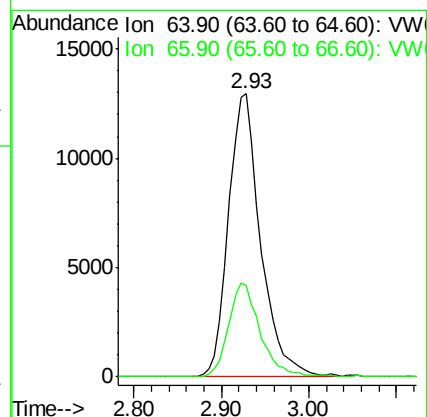
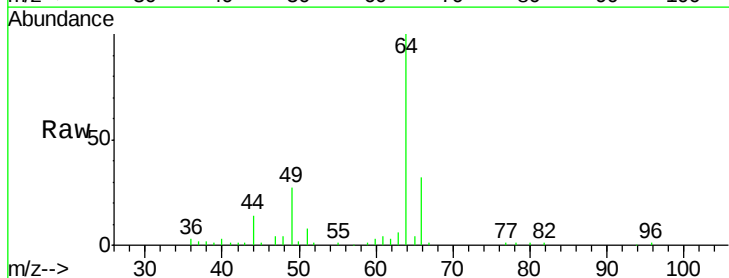
Acq: 26 Jun 2020 11:07

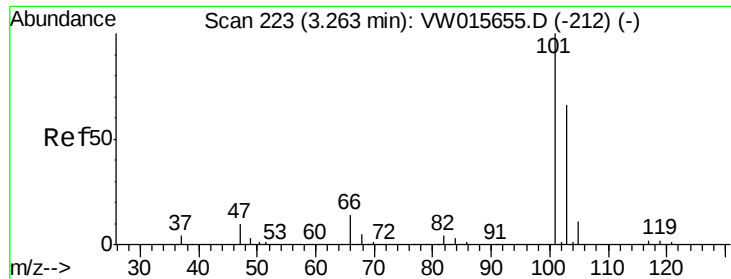
Tgt Ion: 64 Resp: 33087

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9



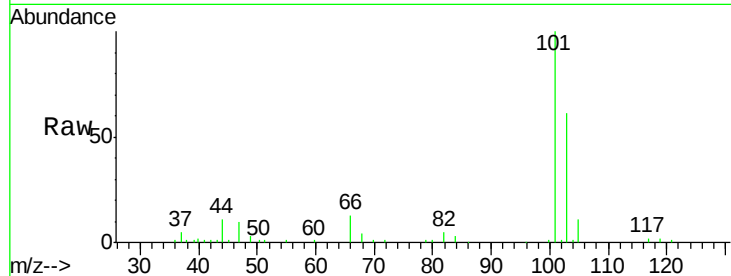


#7

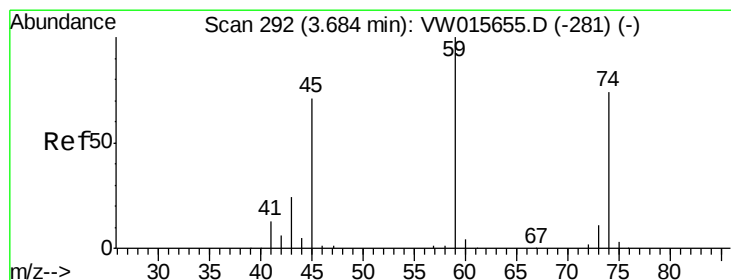
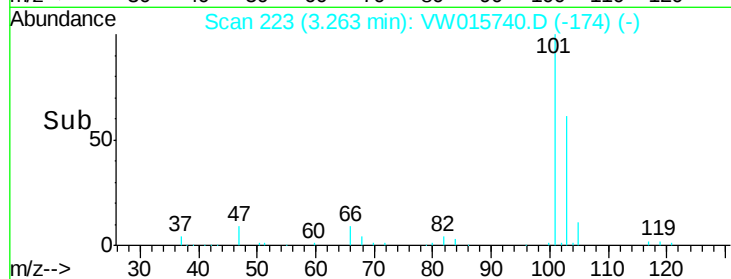
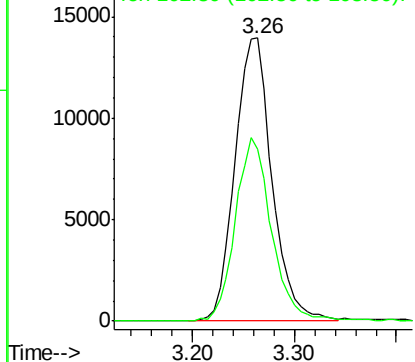
Trichlorofluoromethane
 Concen: 21.346 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Instrument :
 MSVOA_W
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 VW0626SBS01

Tot Ion:101 Resp: 35137
 Ion Ratio Lower Upper
 101 100
 103 60.7 52.6 78.8



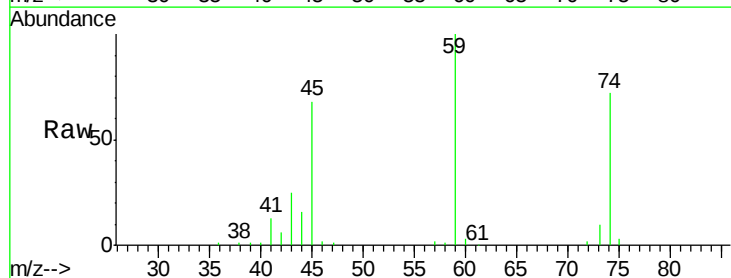
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



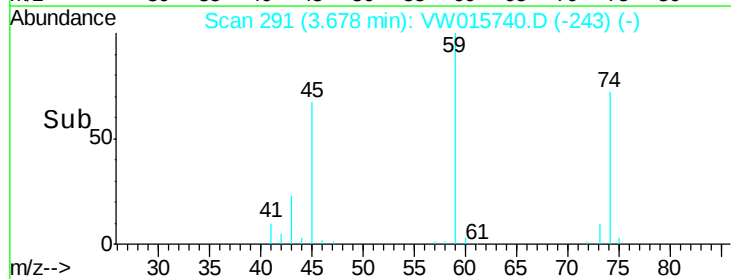
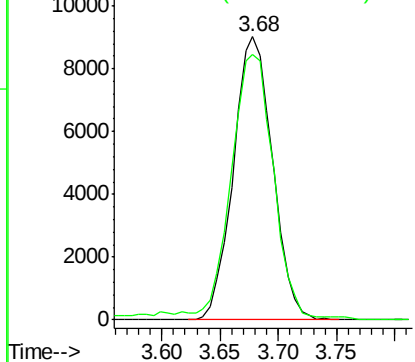
#8

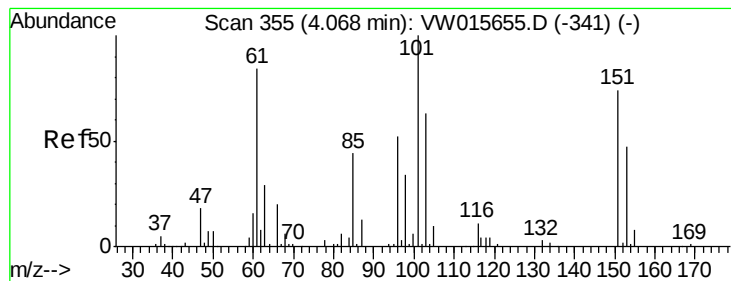
Diethyl Ether
 Concen: 22.264 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Tgt Ion: 74 Resp: 21165
 Ion Ratio Lower Upper
 74 100
 45 97.9 48.2 144.6



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: 21.703 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

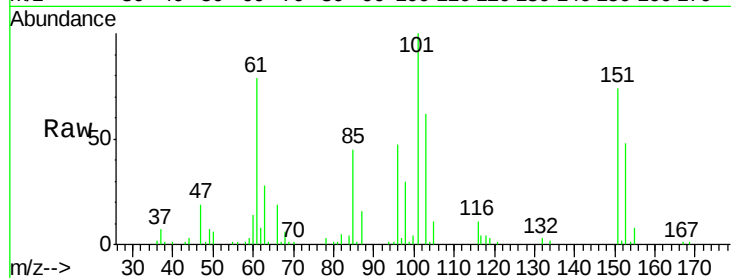
Tot Ion:101 Resp: 42110

Ion Ratio Lower Upper

101 100

85 46.4 36.6 55.0

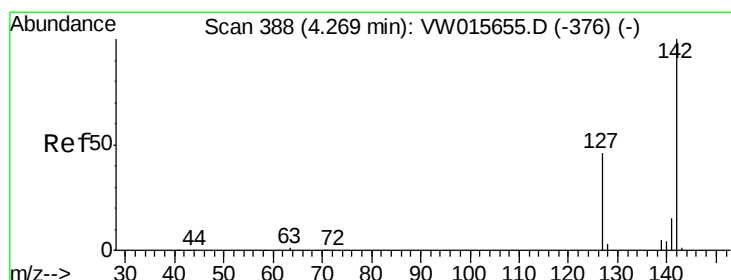
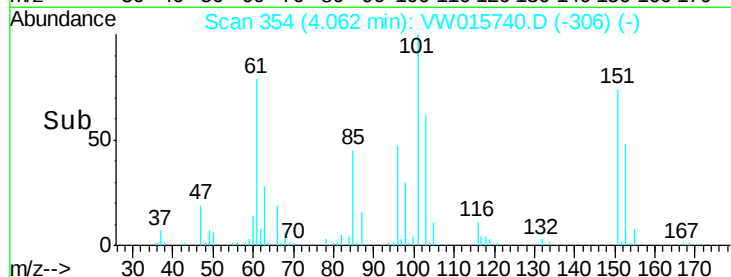
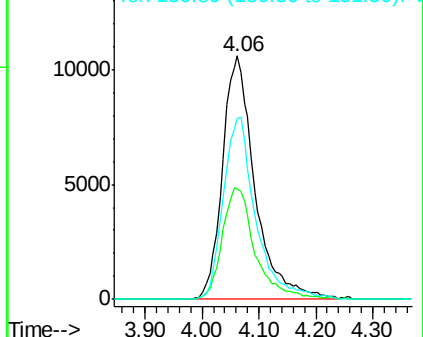
151 74.4 60.4 90.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.287 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

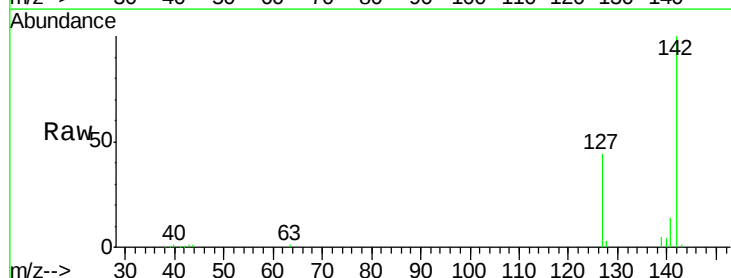
Tgt Ion:142 Resp: 58402

Ion Ratio Lower Upper

142 100

127 45.6 36.4 54.6

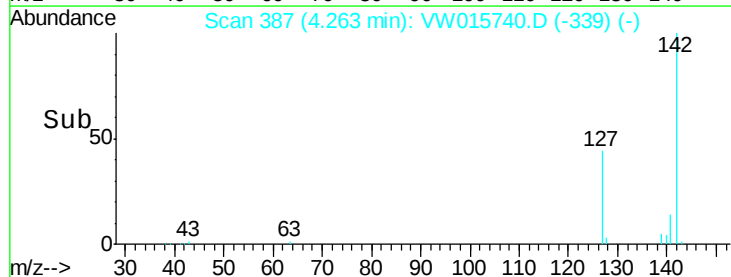
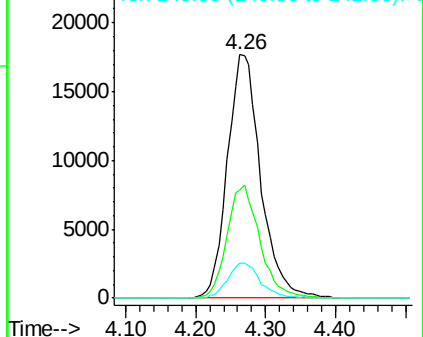
141 14.3 11.6 17.4

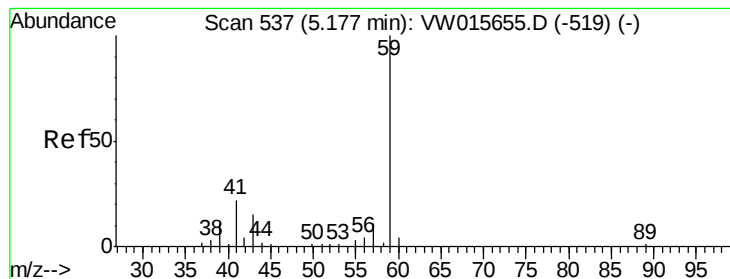


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 80.206 ug/l

RT: 5.20 min Scan# 541

Delta R.T. 0.03 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

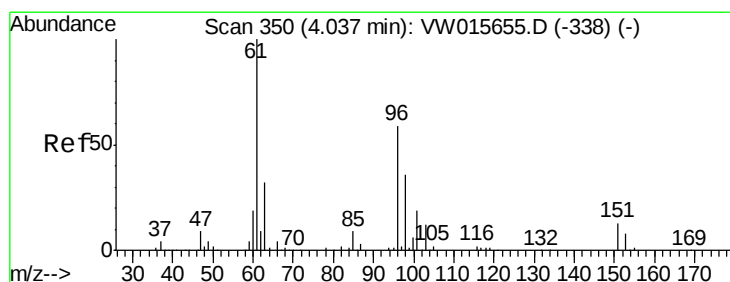
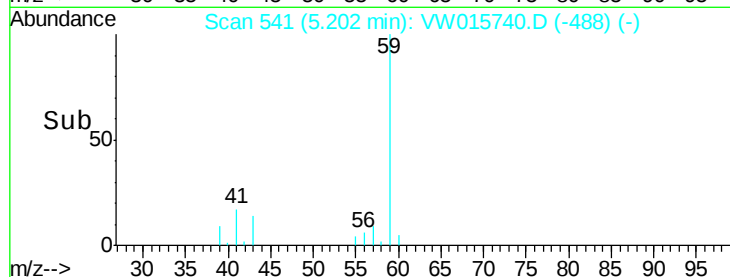
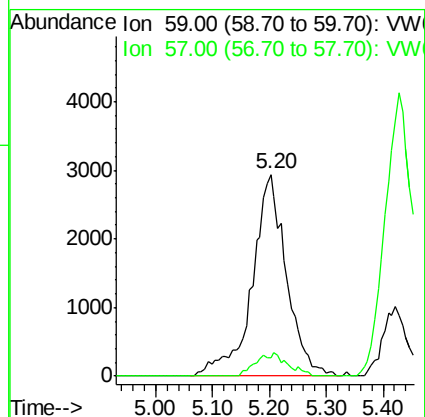
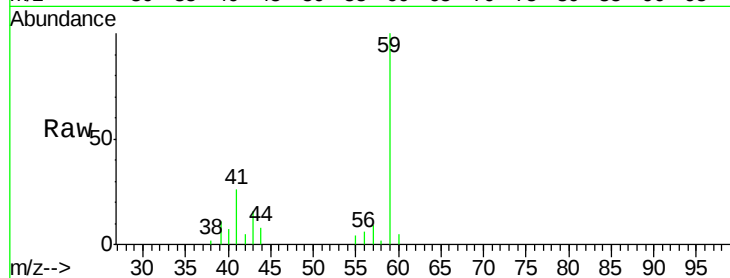
VW0626SBS01

Tot Ion: 59 Resp: 12280

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



#12

1,1-Dichloroethene

Concen: 21.550 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

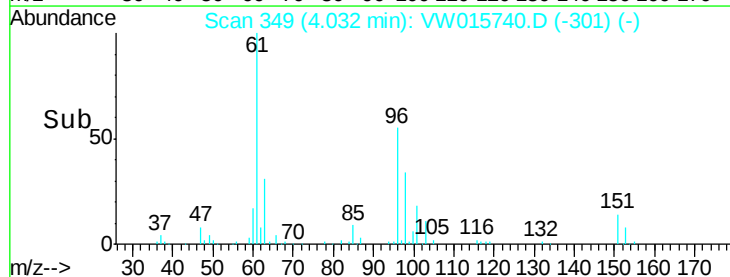
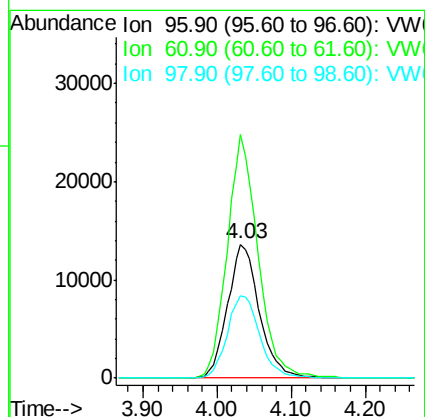
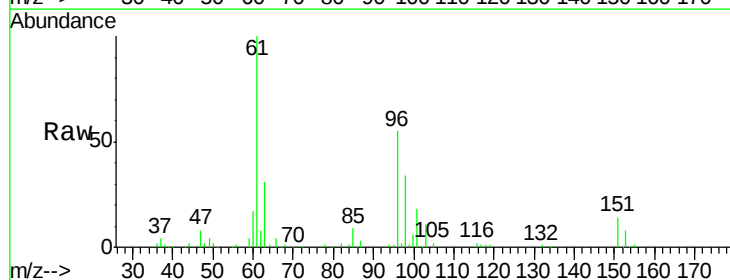
Tgt Ion: 96 Resp: 40714

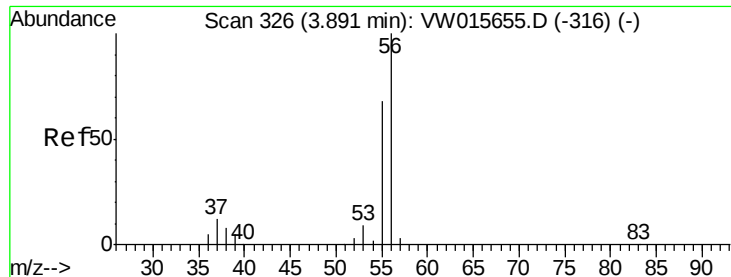
Ion Ratio Lower Upper

96 100

61 181.7 136.7 205.1

98 61.1 49.2 73.8





#13

Acrolein

Concen: 90.810 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

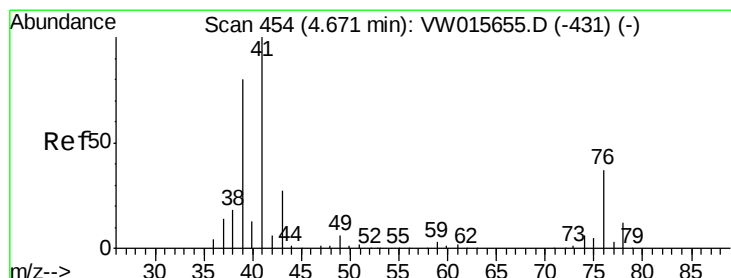
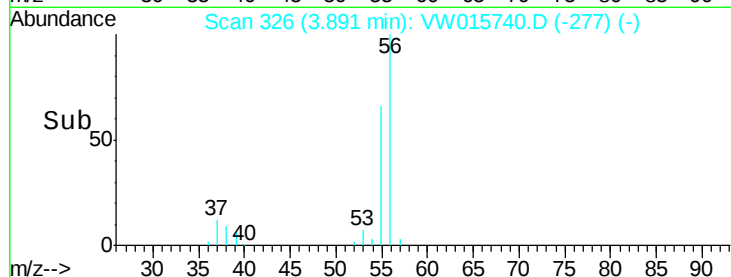
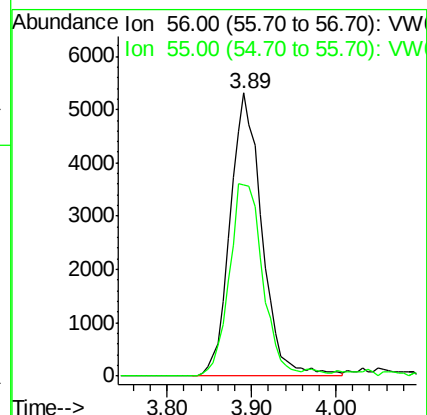
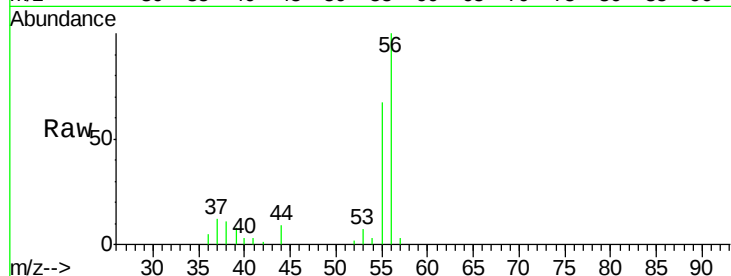
VW0626SBS01

Tot Ion: 56 Resp: 13594

Ion Ratio Lower Upper

56 100

55 70.7 56.2 84.2



#14

Allyl chloride

Concen: 21.478 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

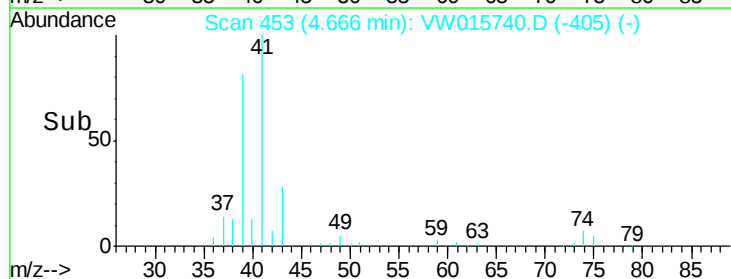
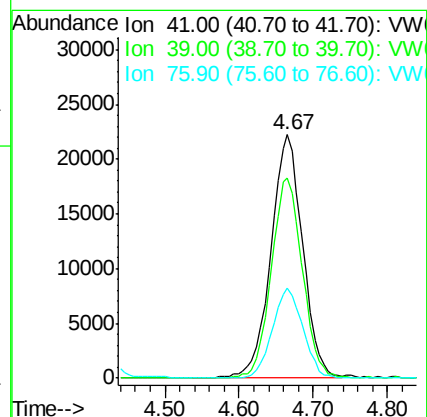
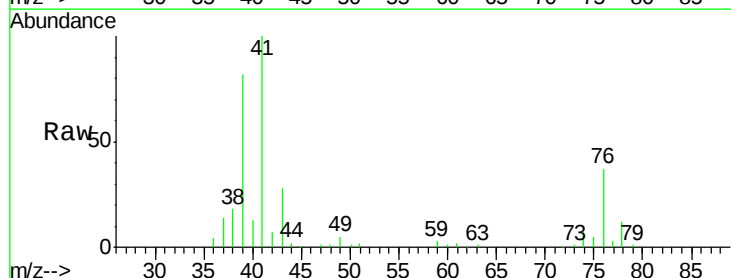
Tgt Ion: 41 Resp: 65833

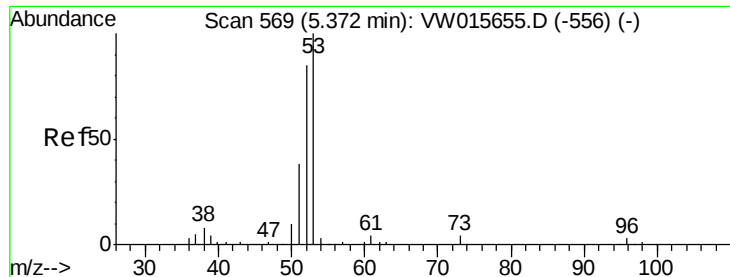
Ion Ratio Lower Upper

41 100

39 80.7 64.6 97.0

76 35.4 29.1 43.7





#15

Acrylonitrile

Concen: 105.009 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

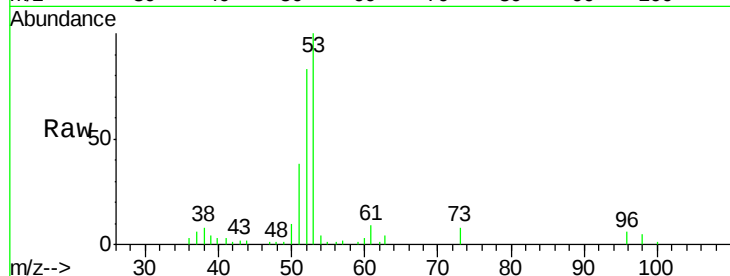
Tot Ion: 53 Resp: 41187

Ion Ratio Lower Upper

53 100

52 82.5 65.8 98.6

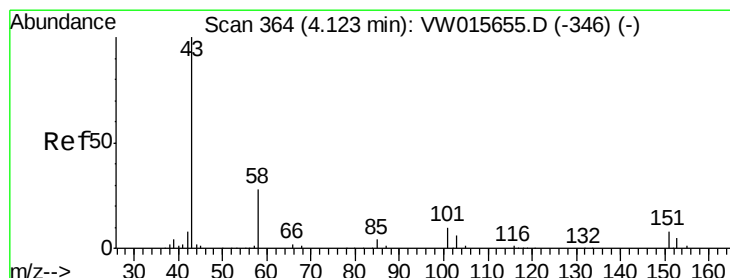
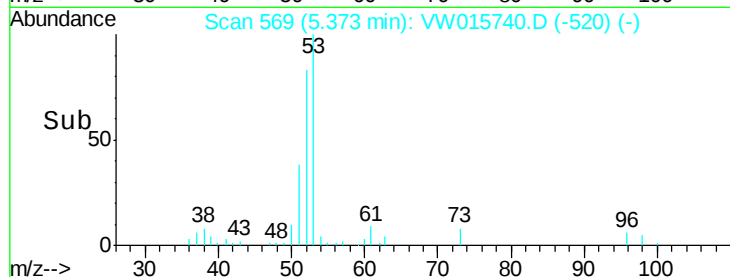
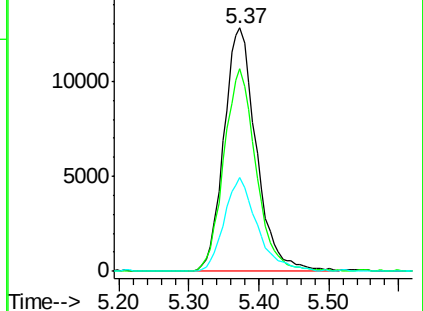
51 39.1 30.7 46.1



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: 106.659 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015740.D

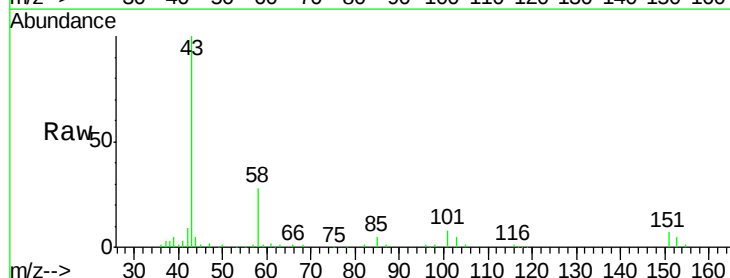
Acq: 26 Jun 2020 11:07

Tgt Ion: 43 Resp: 43694

Ion Ratio Lower Upper

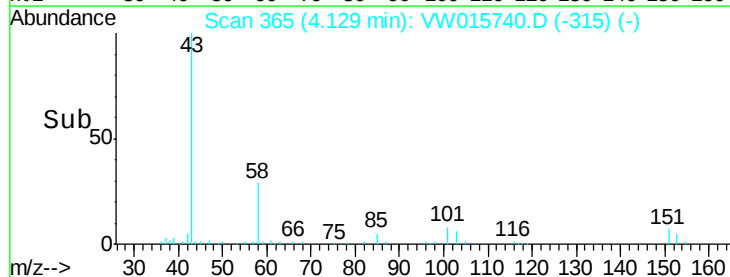
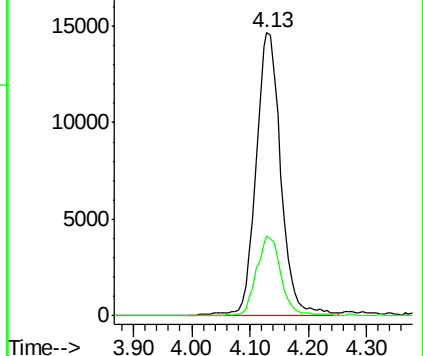
43 100

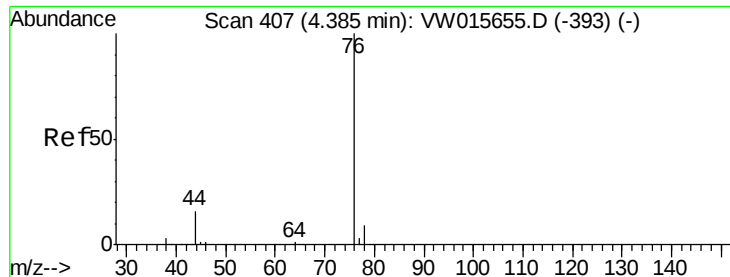
58 28.3 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

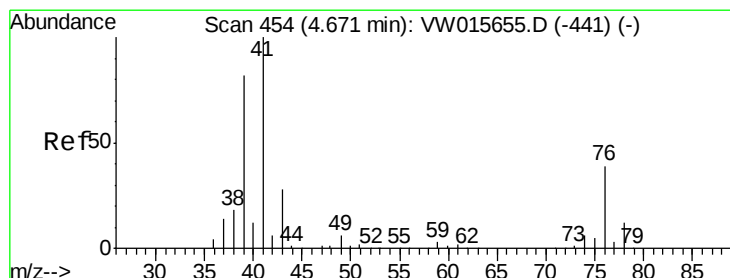
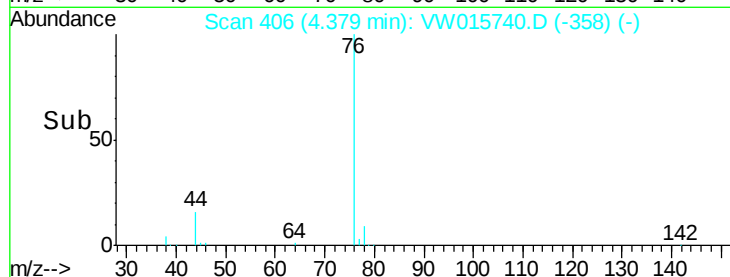
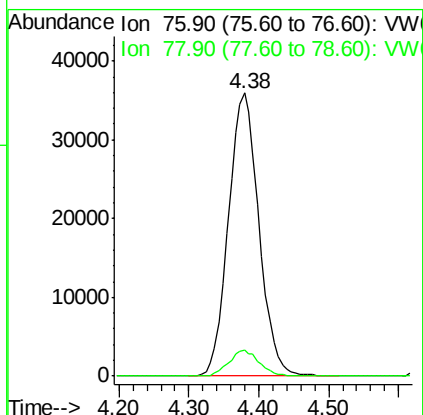
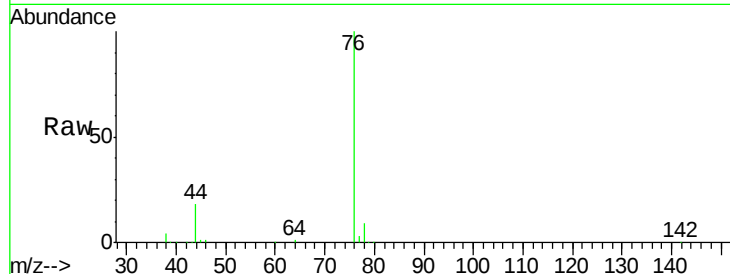




#17
Carbon Disulfide
Concen: 19.935 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

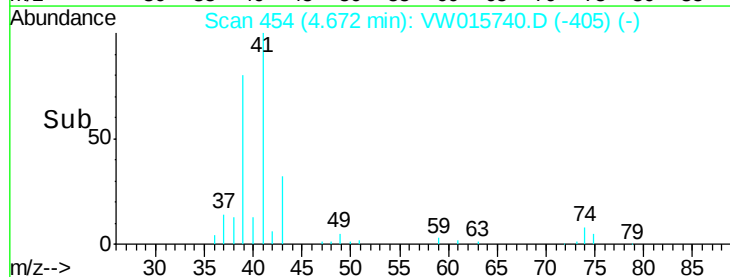
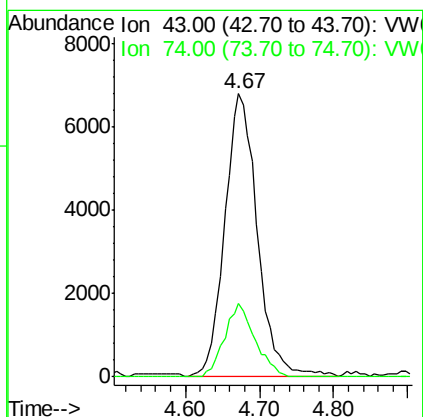
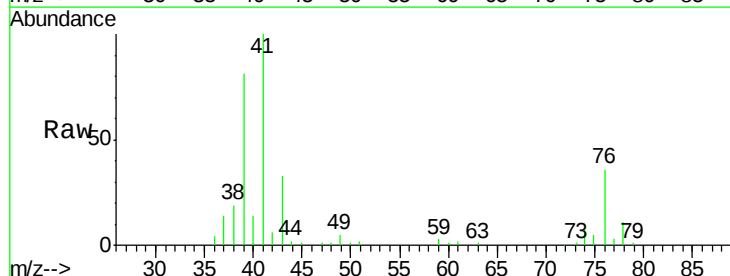
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

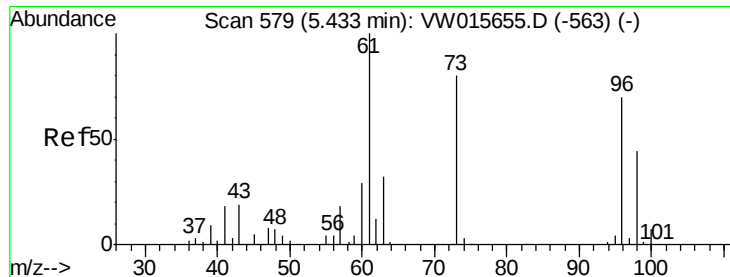
Tot Ion: 76 Resp: 108395
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 21.932 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 43 Resp: 20794
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.6

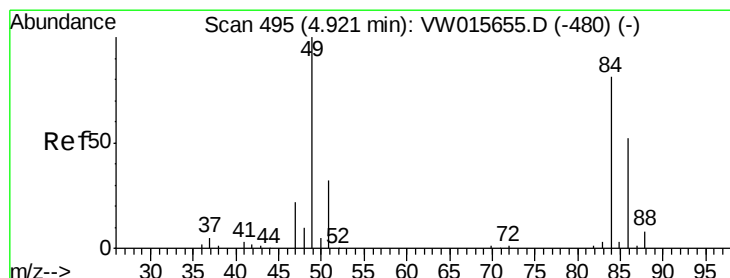
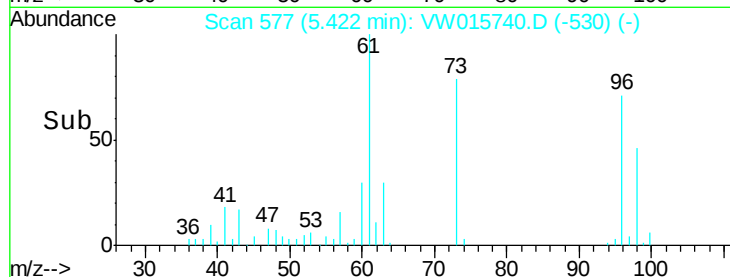
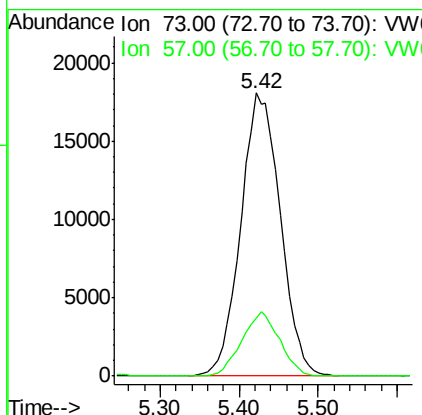
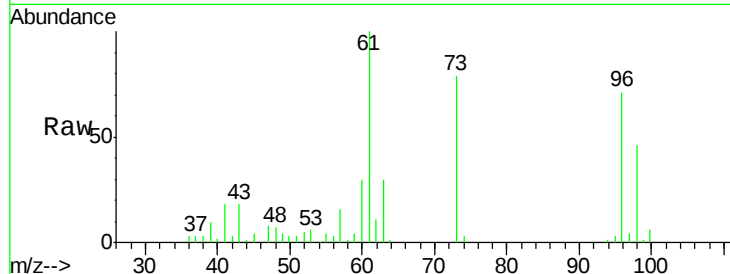




#19
Methyl tert-butyl Ether
Concen: 22.161 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

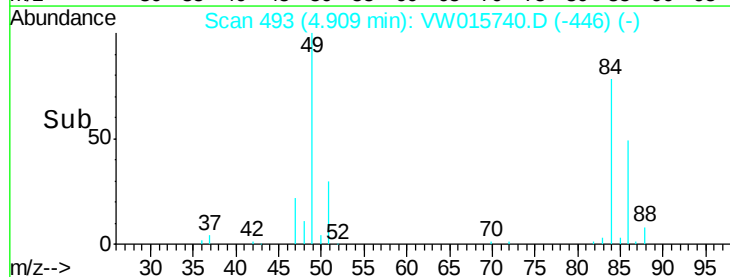
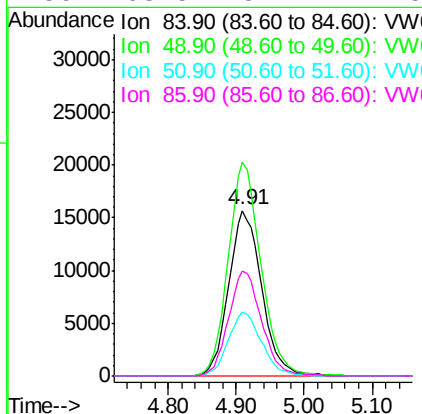
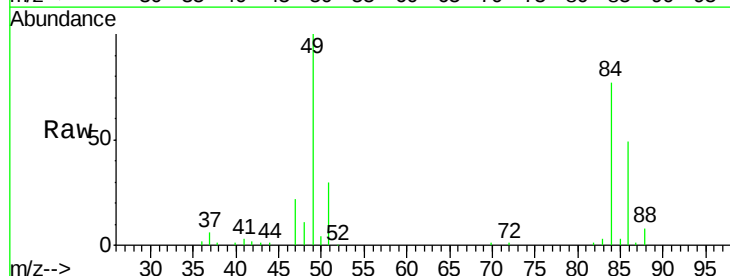
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

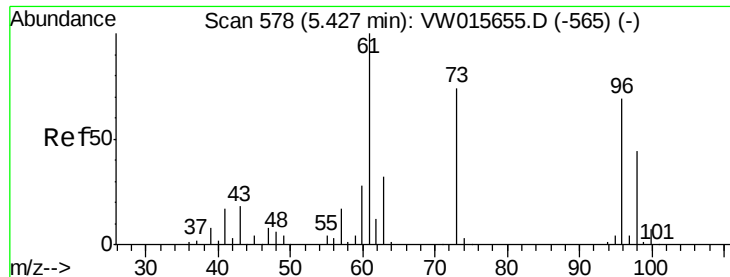
Tot Ion: 73 Resp: 63011
Ion Ratio Lower Upper
73 100
57 20.6 18.1 27.1



#20
Methylene Chloride
Concen: 24.065 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 84 Resp: 52749
Ion Ratio Lower Upper
84 100
49 129.3 99.3 148.9
51 38.8 31.8 47.6
86 63.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 21.543 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

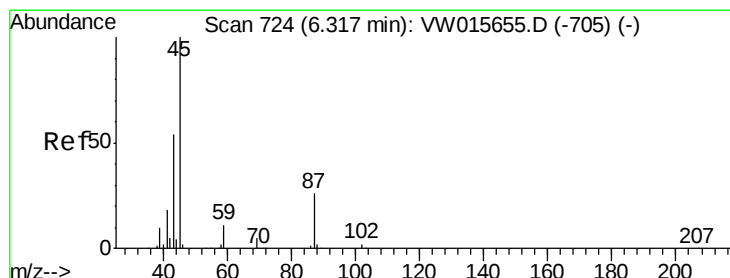
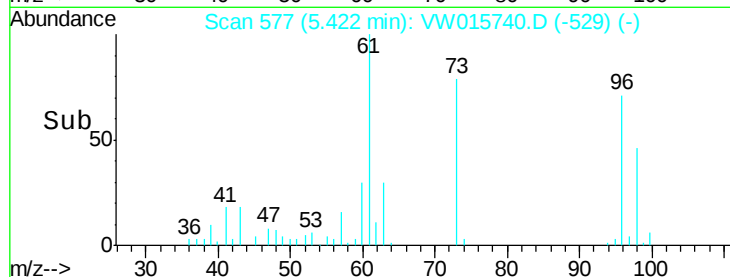
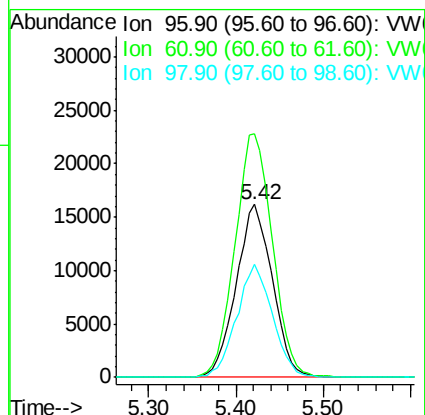
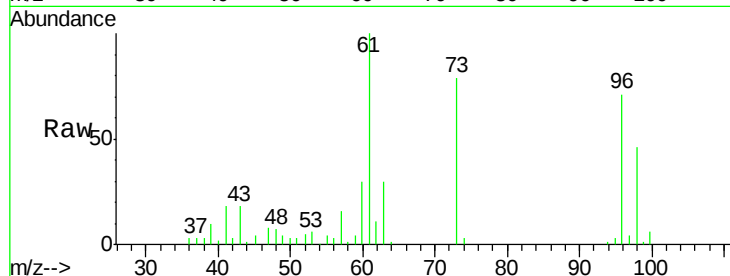
Tot Ion: 96 Resp: 46664

Ion Ratio Lower Upper

96 100

61 140.6 116.2 174.2

98 65.2 51.4 77.0



#22

Diisopropyl ether

Concen: 22.071 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Tgt Ion: 45 Resp: 134551

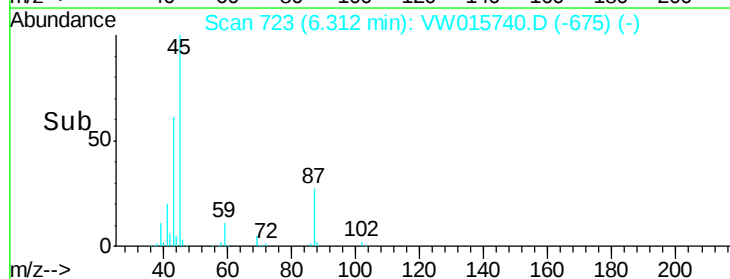
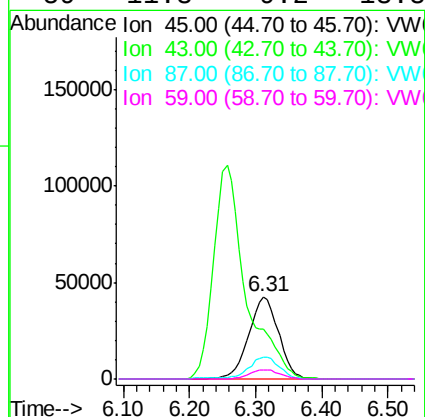
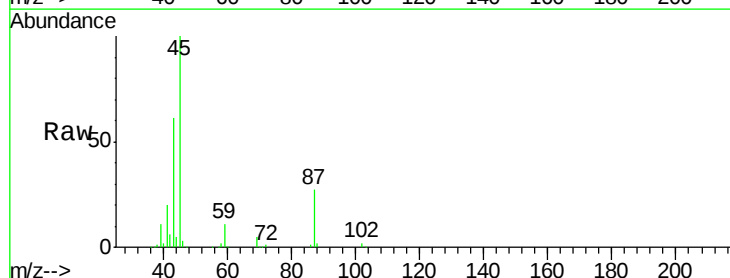
Ion Ratio Lower Upper

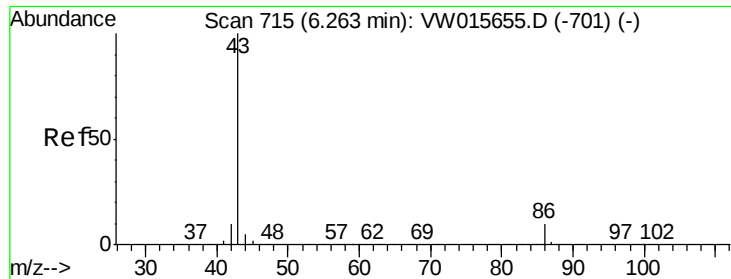
45 100

43 60.3 43.9 65.9

87 27.2 21.2 31.8

59 11.3 9.2 13.8





#23

Vinyl Acetate

Concen: 105.484 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

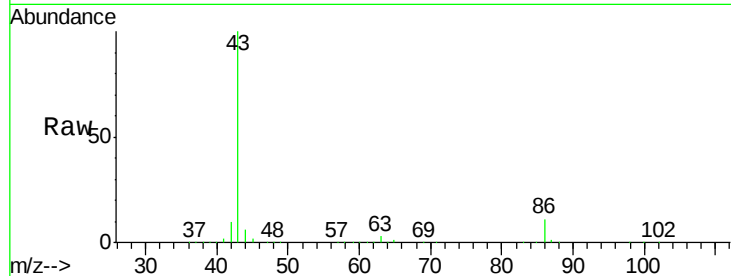
VW0626SBS01

Tot Ion: 43 Resp: 375003

Ion Ratio Lower Upper

43 100

86 10.6 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

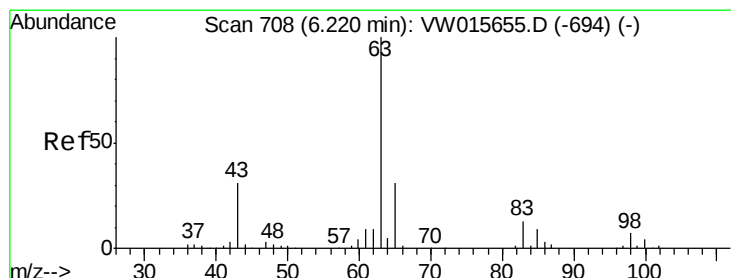
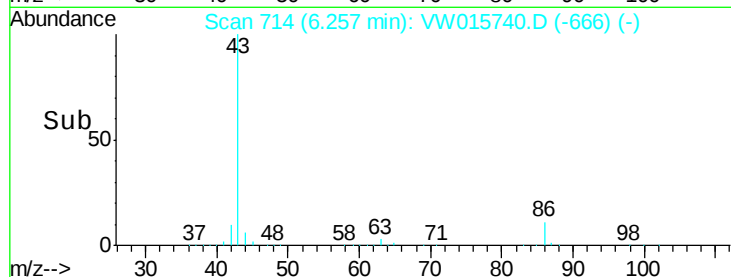
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.961 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

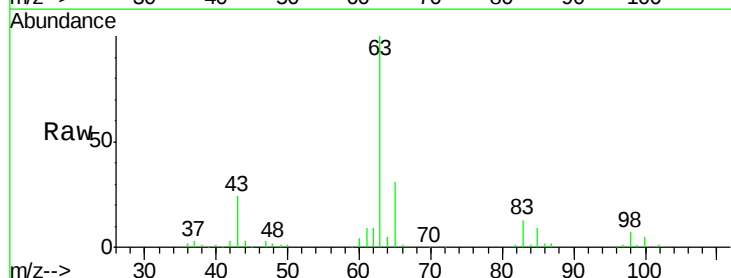
Tgt Ion: 63 Resp: 84275

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 5.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

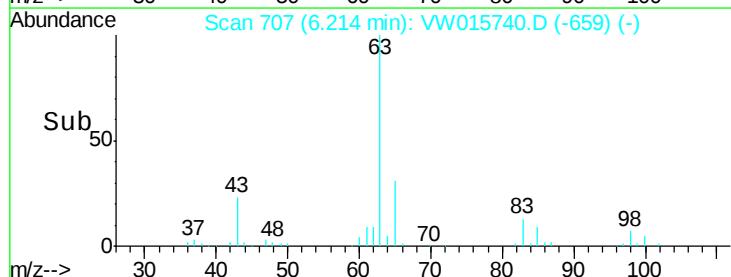
30000

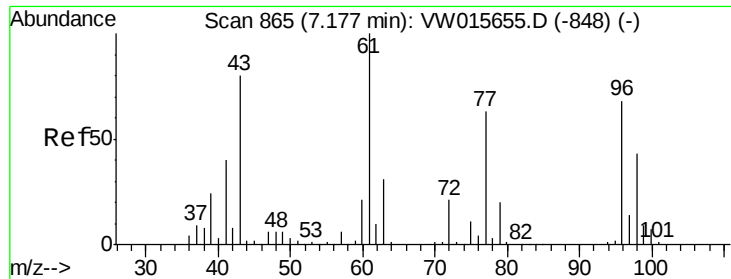
20000

10000

0

Time-->

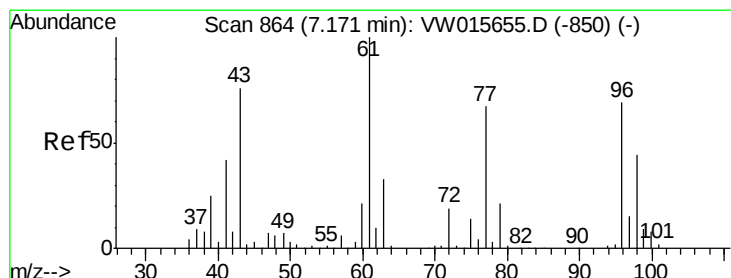
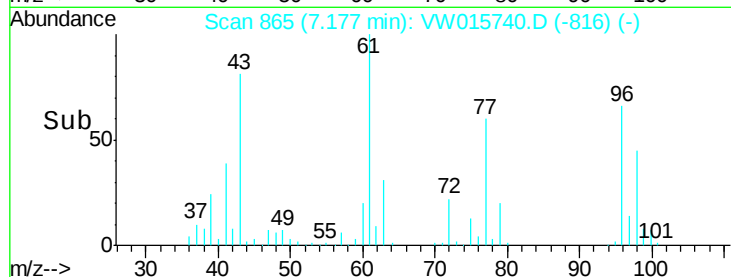
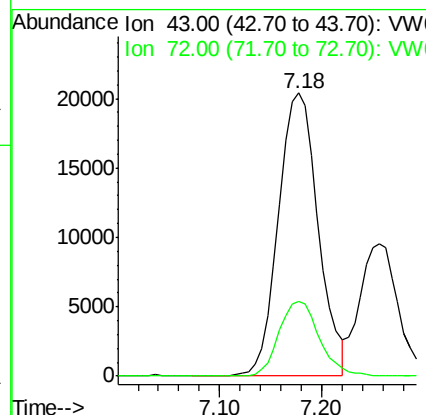
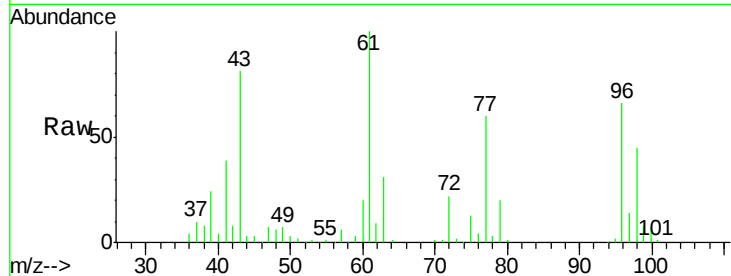




#25
2-Butanone
Concen: 99.910 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

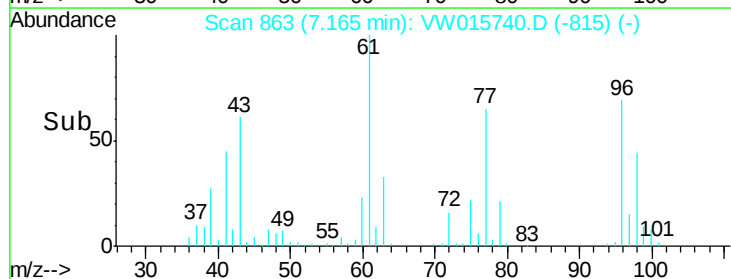
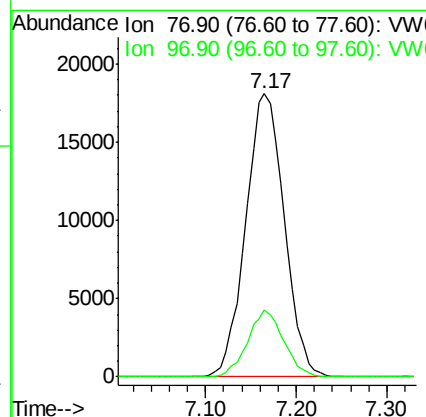
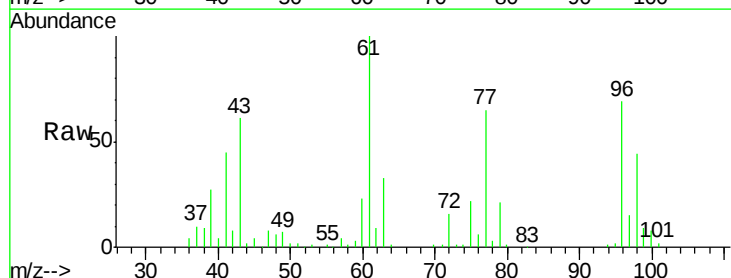
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

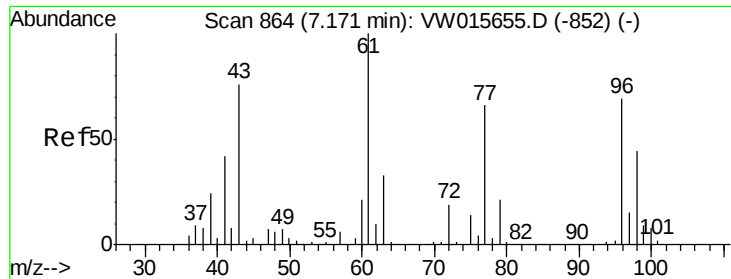
Tot Ion: 43 Resp: 55317
Ion Ratio Lower Upper
43 100
72 26.6 21.1 31.7



#26
2,2-Dichloropropane
Concen: 20.701 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 77 Resp: 53280
Ion Ratio Lower Upper
77 100
97 21.9 11.2 33.5



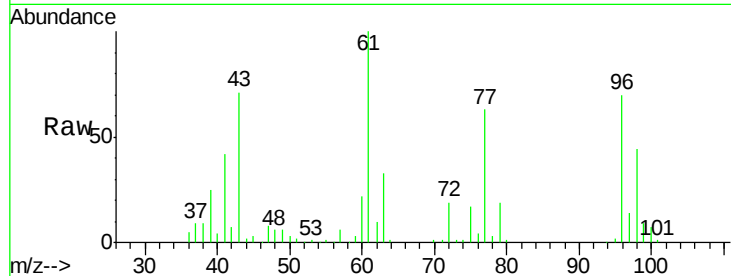


#27

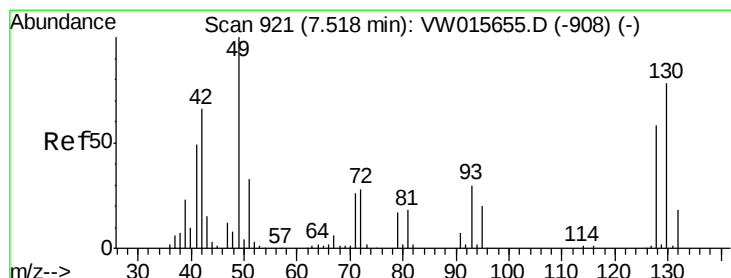
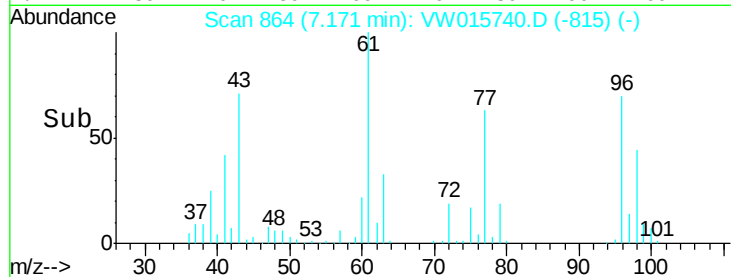
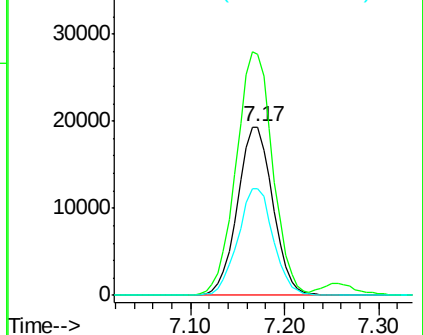
cis-1,2-Dichloroethene
Concen: 21.822 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

Tot Ion: 96 Resp: 50849
Ion Ratio Lower Upper
96 100
61 149.1 0.0 296.8
98 63.9 0.0 128.0



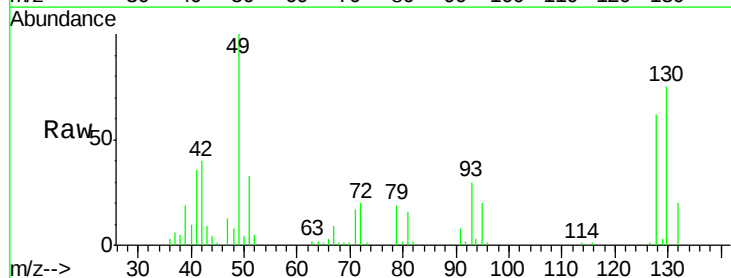
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



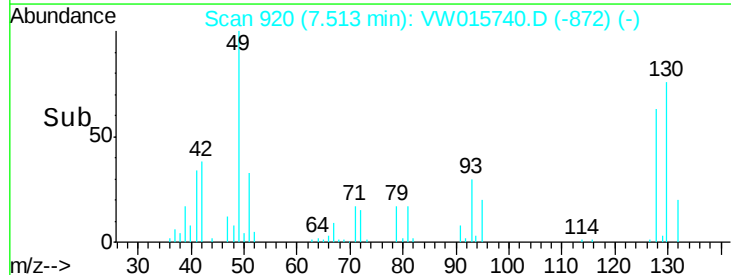
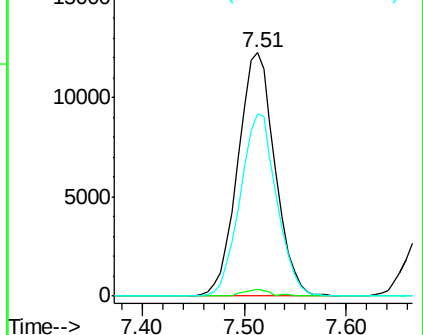
#28

Bromochloromethane
Concen: 20.975 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 49 Resp: 30961
Ion Ratio Lower Upper
49 100
129 1.9 0.0 2.2
130 73.8 61.0 91.4



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

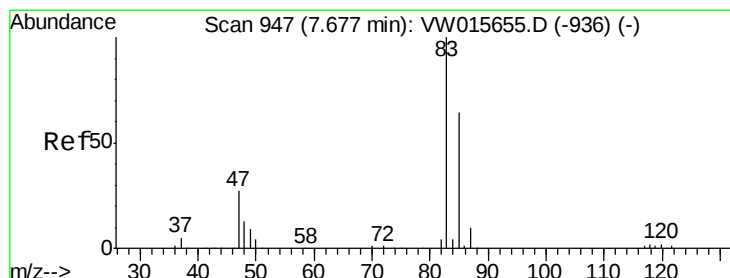
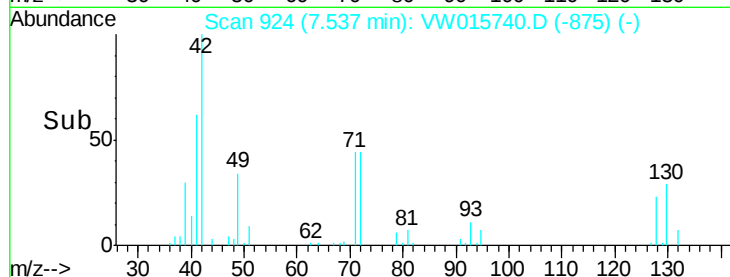
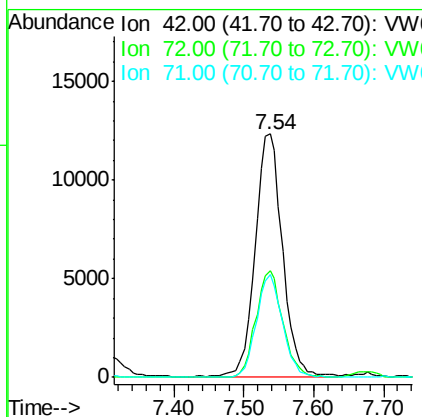
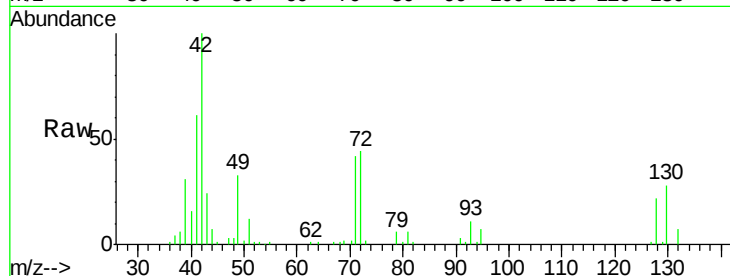




#29
Tetrahydrofuran
Concen: 103.452 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

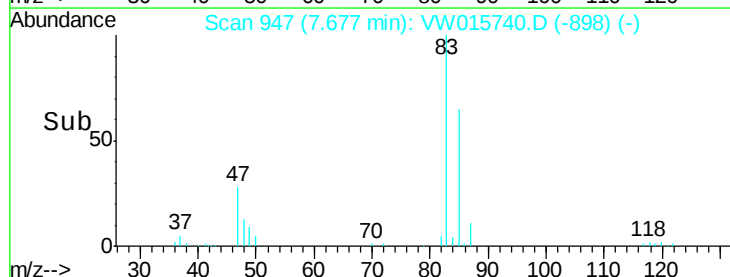
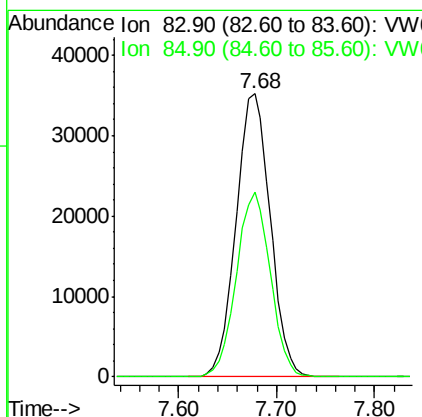
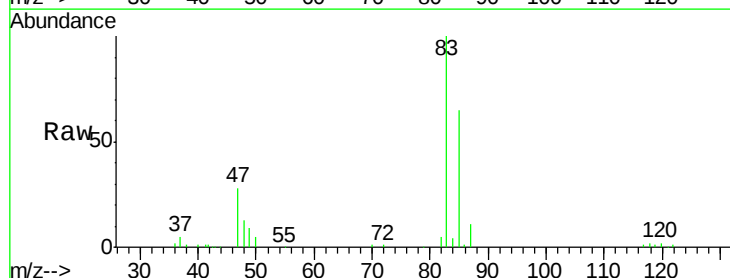
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

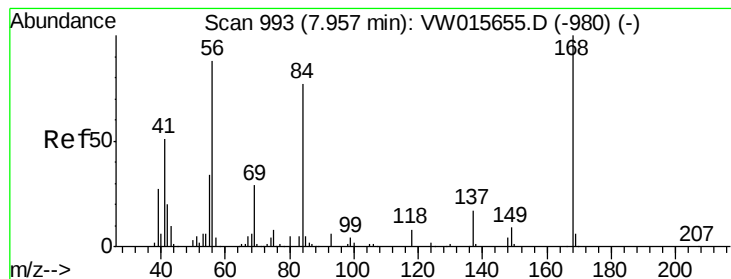
Tot Ion: 42 Resp: 33659
Ion Ratio Lower Upper
42 100
72 42.6 35.0 52.6
71 39.6 32.6 49.0



#30
Chloroform
Concen: 21.721 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 83 Resp: 85485
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.4





#31

Cyclohexane

Concen: 21.346 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

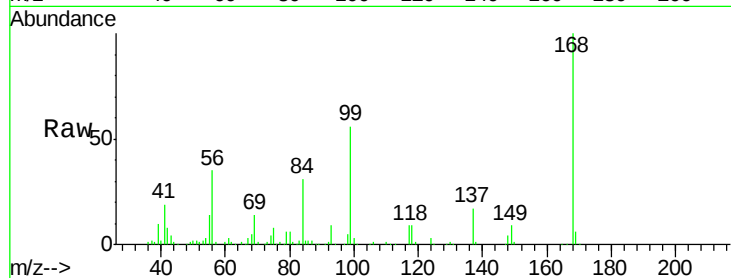
Tot Ion: 56 Resp: 79238

Ion Ratio Lower Upper

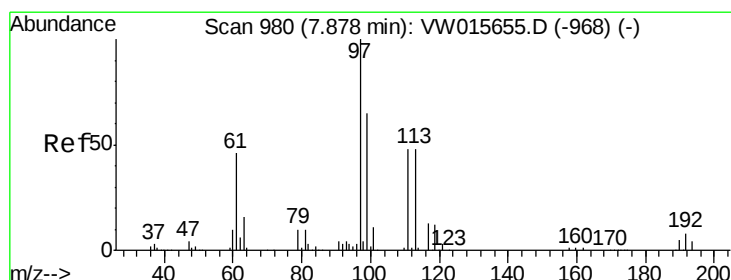
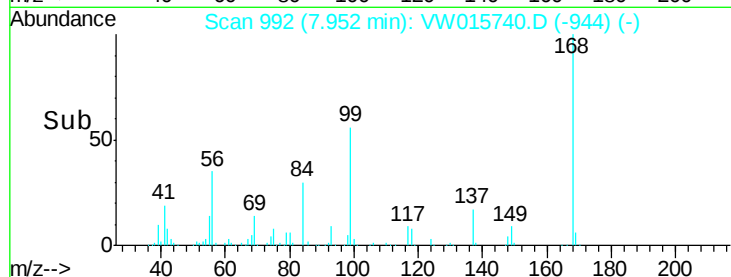
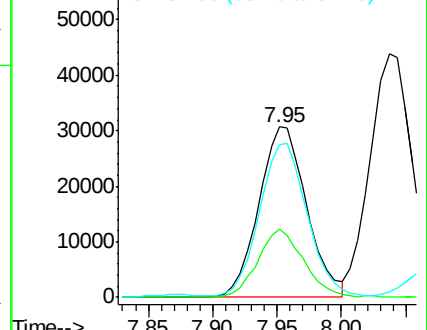
56 100

69 39.9 26.2 39.4#

84 88.7 70.4 105.6



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



#32

1,1,1-Trichloroethane

Concen: 21.455 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

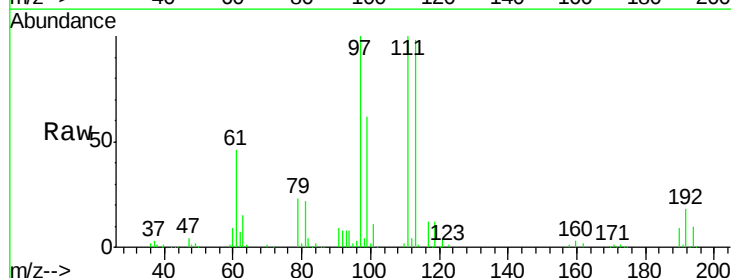
Tgt Ion: 97 Resp: 71977

Ion Ratio Lower Upper

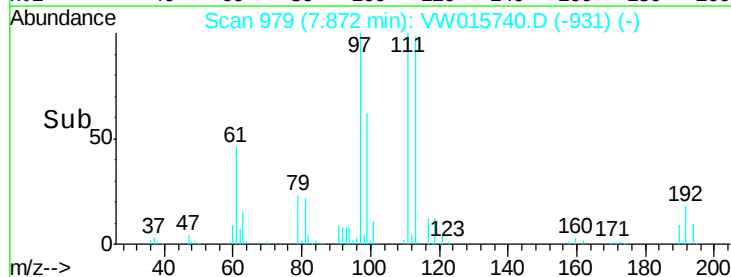
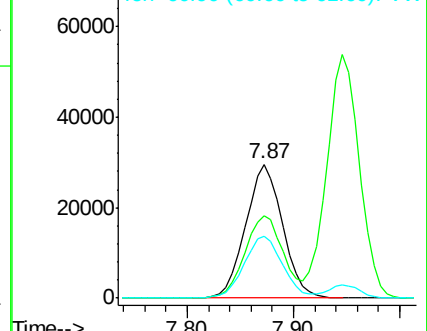
97 100

99 64.8 51.9 77.9

61 47.7 37.3 55.9



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

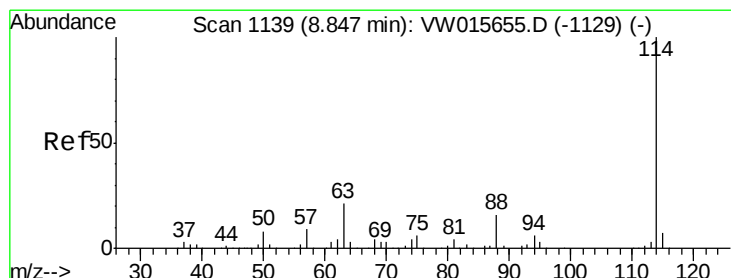
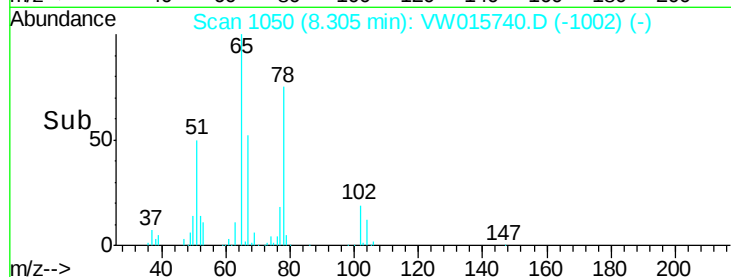
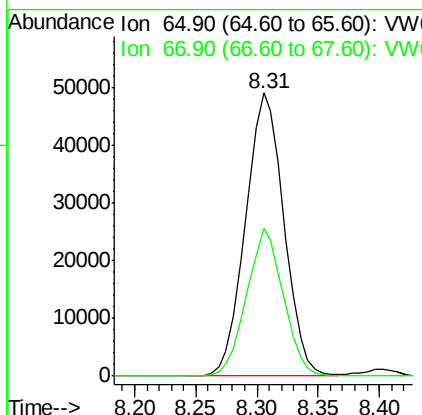
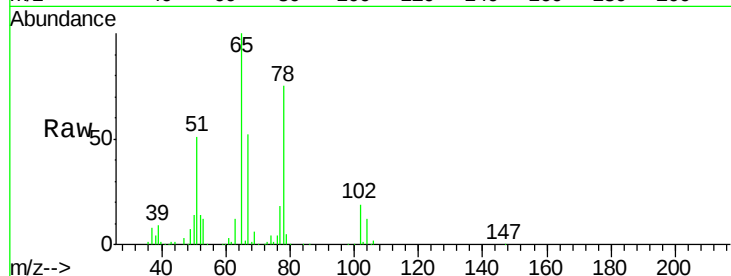




#33
 1,2-Dichloroethane-d4
 Concen: 49.798 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

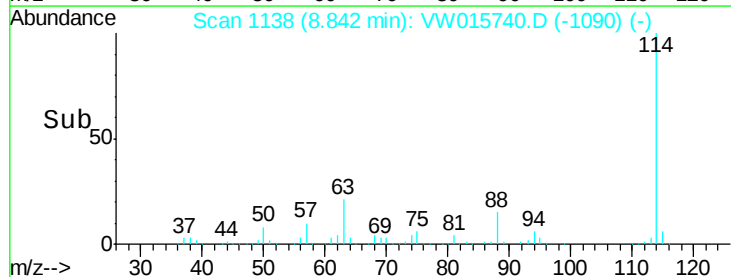
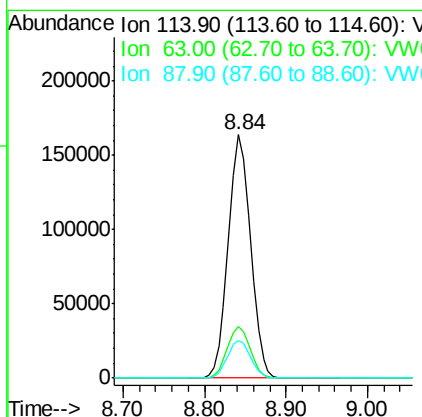
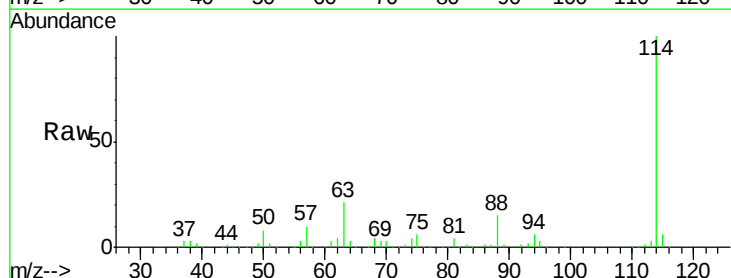
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0626SBS01

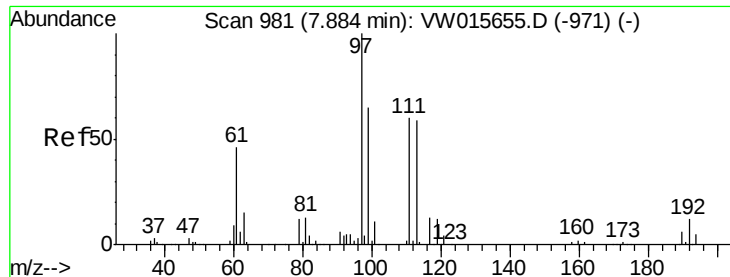
Tot Ion: 65 Resp: 107311
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Tgt Ion: 114 Resp: 309870
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.4
 88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.007 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

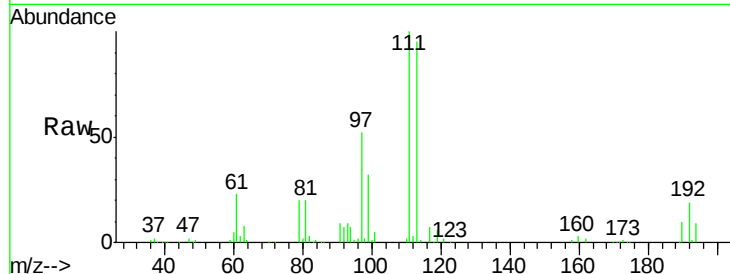
Tot Ion:113 Resp: 95524

Ion Ratio Lower Upper

113 100

111 103.1 82.3 123.5

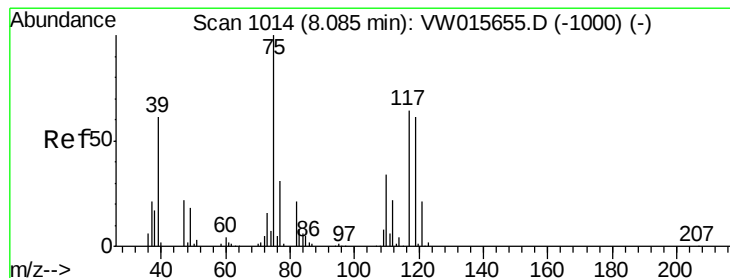
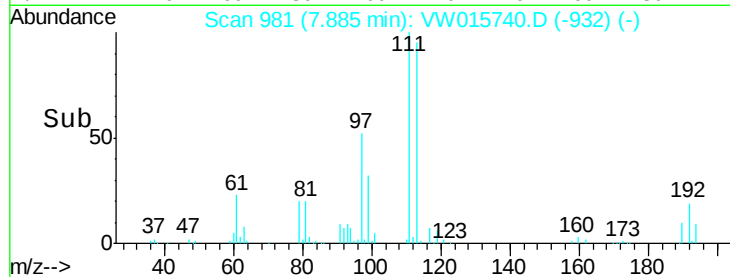
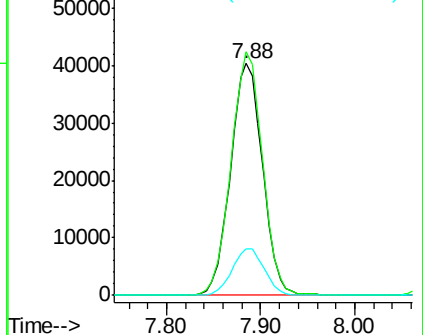
192 20.2 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.721 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

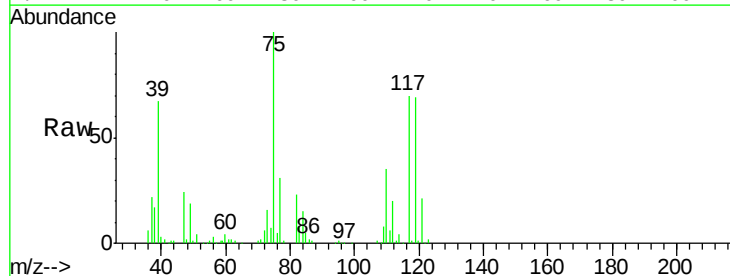
Tgt Ion: 75 Resp: 70005

Ion Ratio Lower Upper

75 100

110 34.5 17.0 51.0

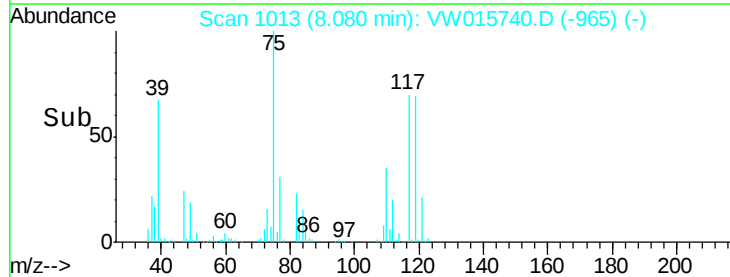
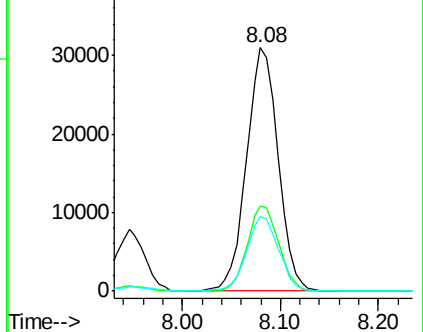
77 31.0 24.6 36.8

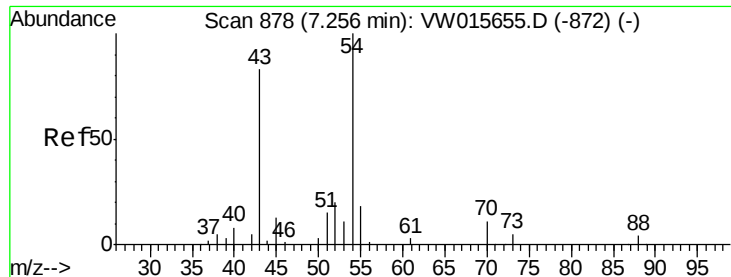


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

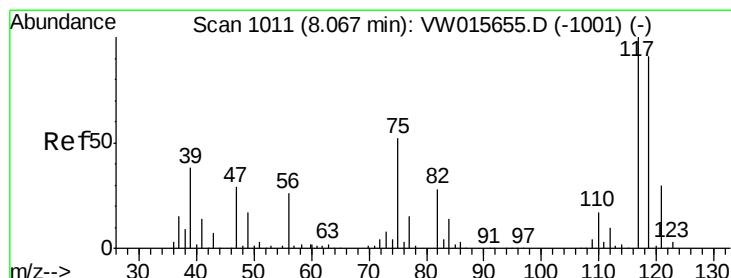
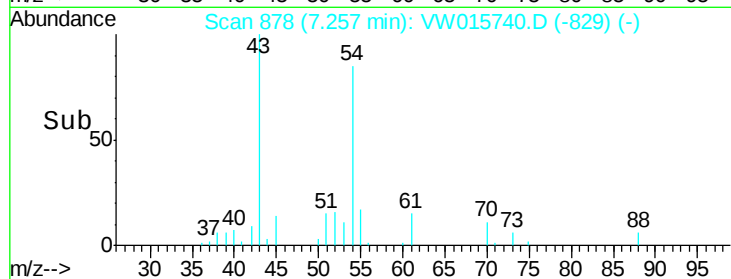
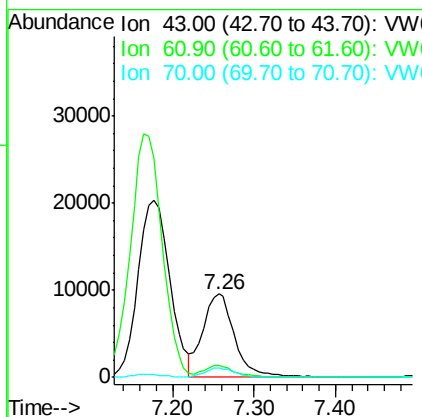
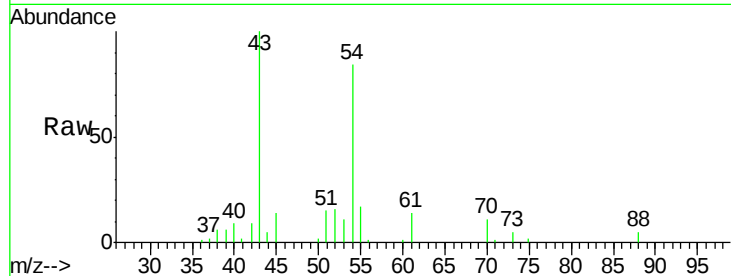




#37
Ethyl Acetate
Concen: 20.917 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

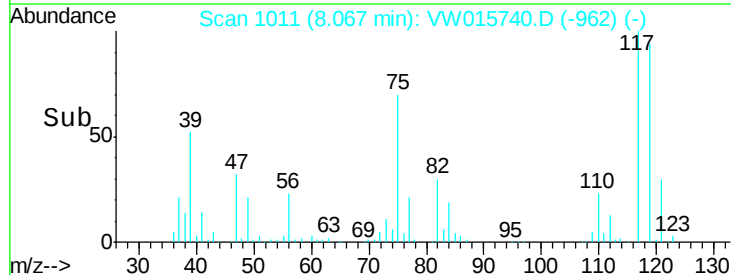
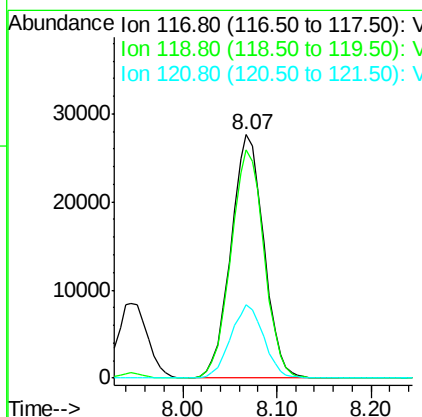
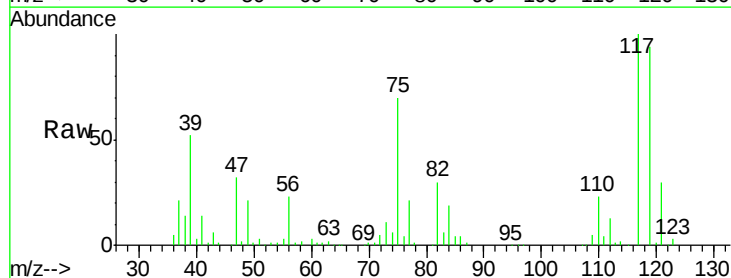
Instrument :
MSVOA_W
ClientSampled :
VW0626SBS01

Tot Ion: 43 Resp: 25740
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.432 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 117 Resp: 66957
Ion Ratio Lower Upper
117 100
119 94.0 73.2 109.8
121 30.2 23.9 35.9

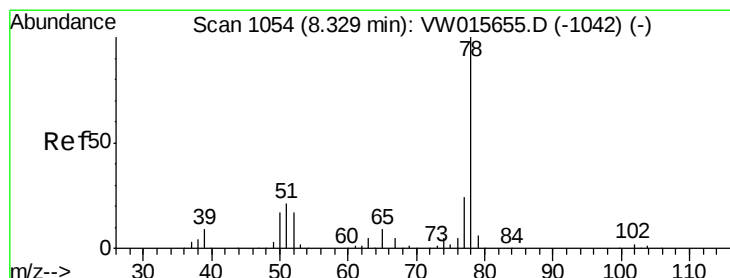
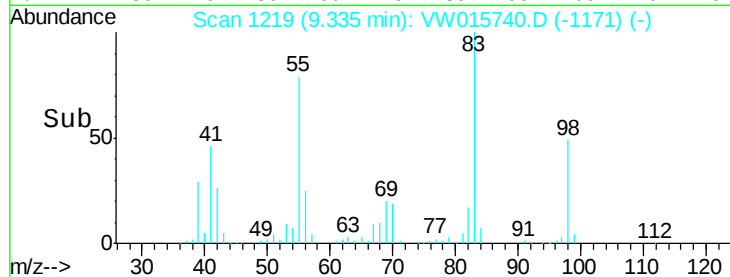
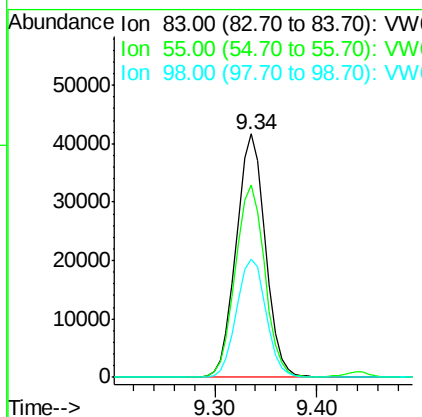
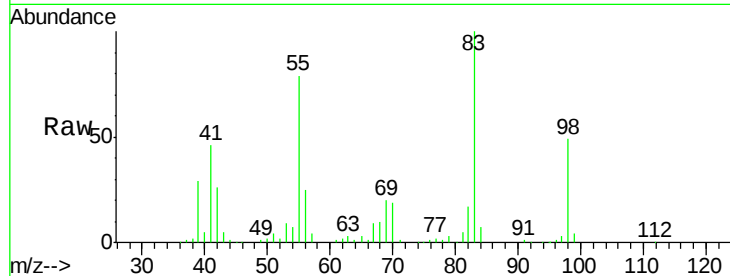




#39
Methvlcvclohexane
Concen: 21.162 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

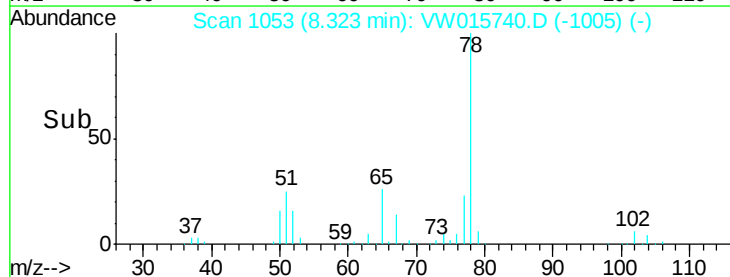
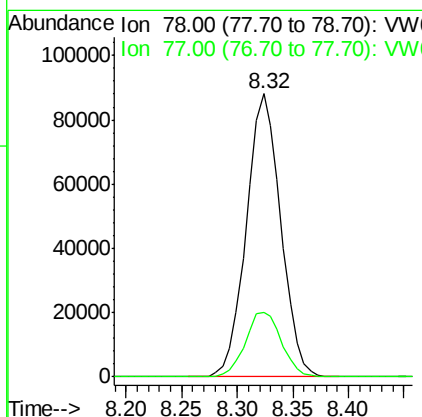
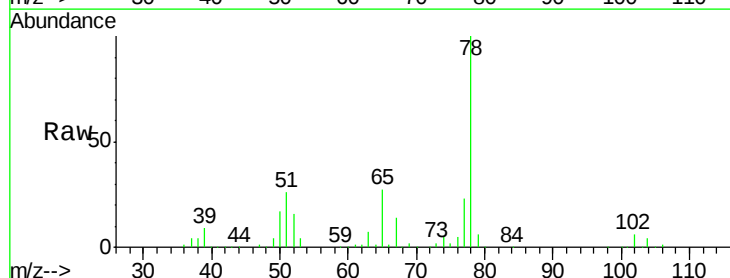
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

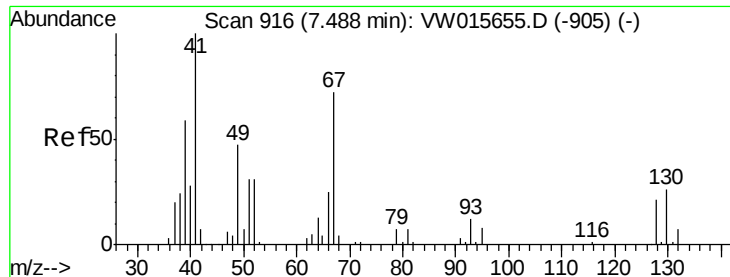
Tot Ion: 83 Resp: 82609
Ion Ratio Lower Upper
83 100
55 78.9 62.8 94.2
98 48.6 39.9 59.9



#40
Benzene
Concen: 21.661 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 78 Resp: 189823
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9

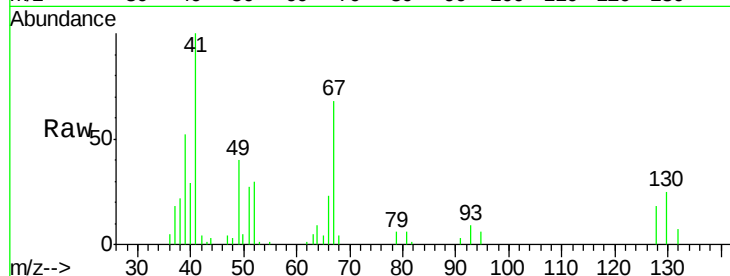




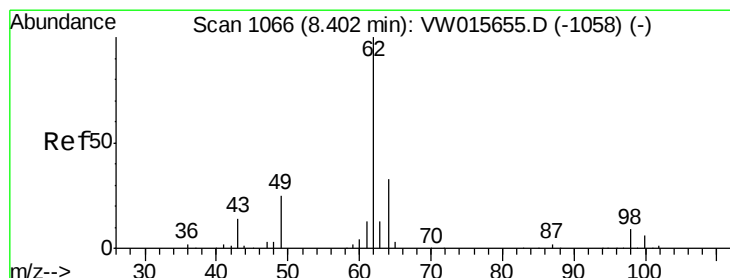
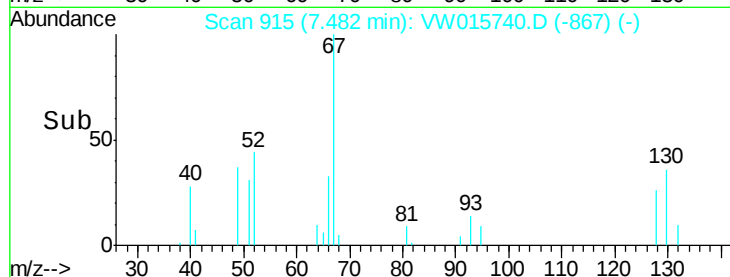
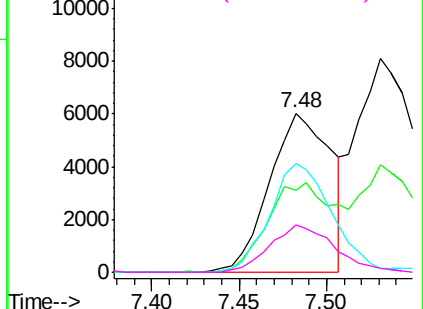
#41
Methacrylonitrile
Concen: 20.863 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

Tot Ion:	41	Resp:	14735
Ion	Ratio	Lower	Upper
41	100		
39	64.2	52.0	78.0
67	70.1	57.5	86.3
52	31.5	26.5	39.7

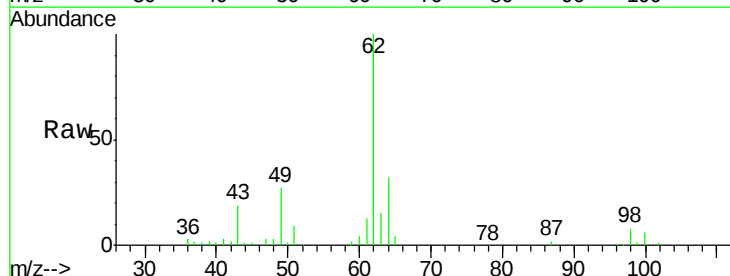


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

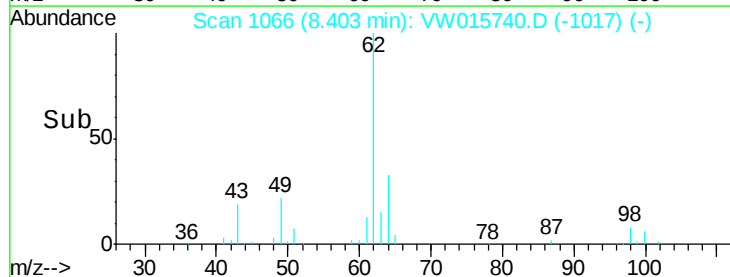
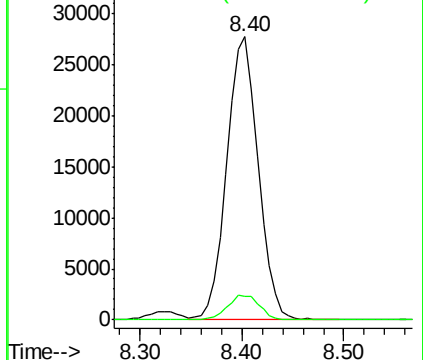


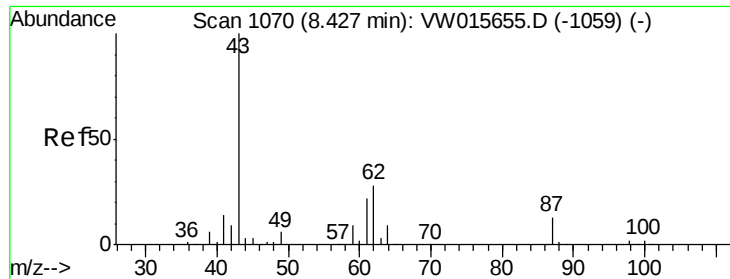
#42
1,2-Dichloroethane
Concen: 21.785 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion:	62	Resp:	59061
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 20.667 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

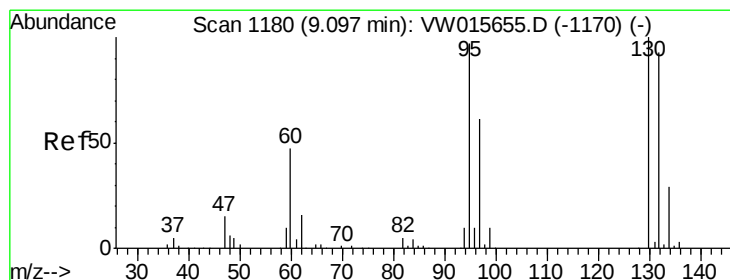
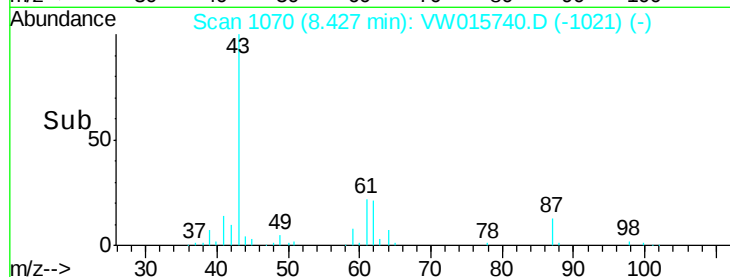
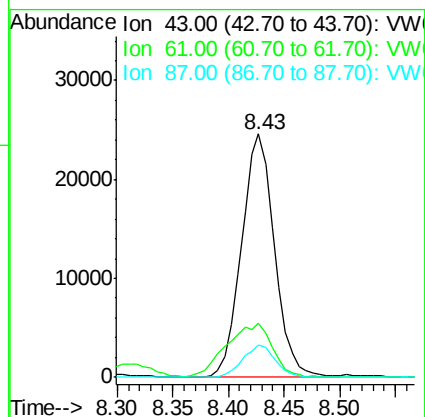
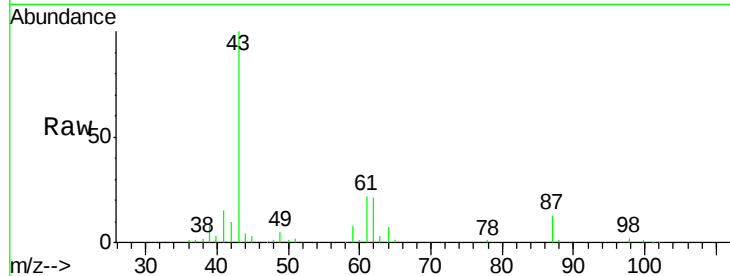
Tot Ion: 43 Resp: 50753

Ion Ratio Lower Upper

43 100

61 30.8 24.7 37.1

87 13.0 10.2 15.2



#44

Trichloroethene

Concen: 21.258 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW015740.D

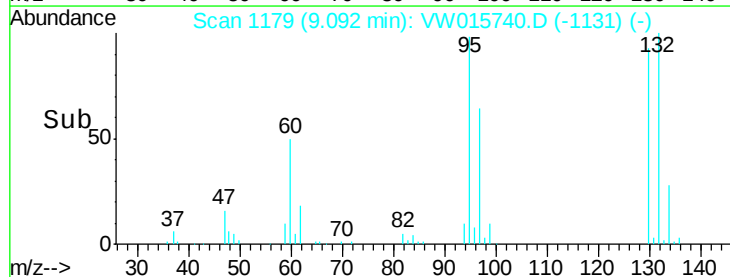
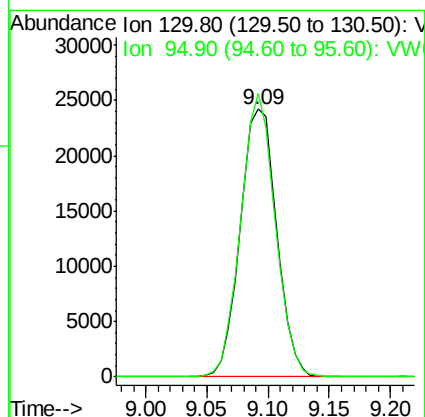
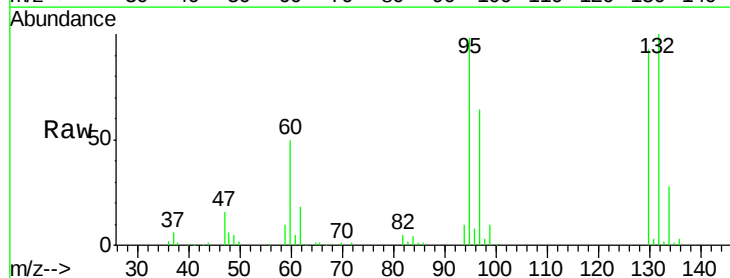
Acq: 26 Jun 2020 11:07

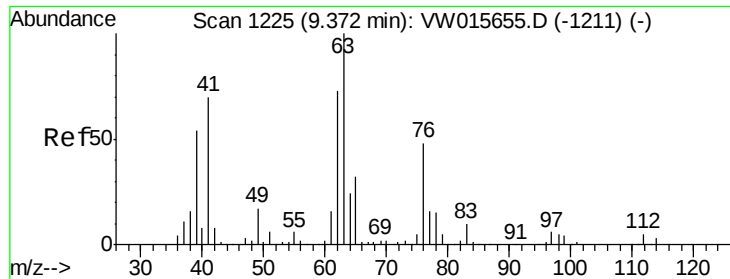
Tgt Ion: 130 Resp: 50214

Ion Ratio Lower Upper

130 100

95 105.8 0.0 194.4

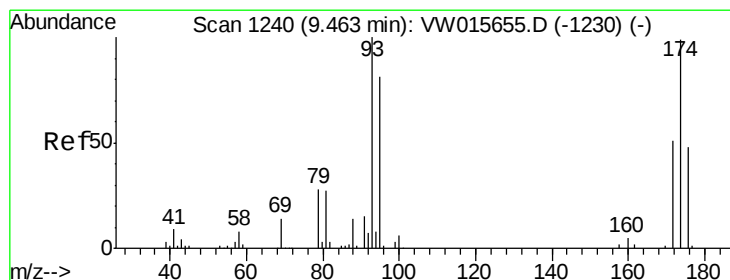
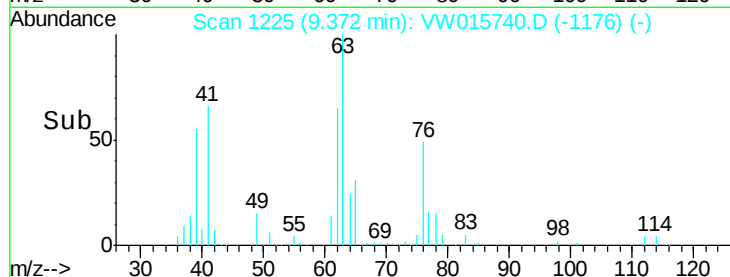
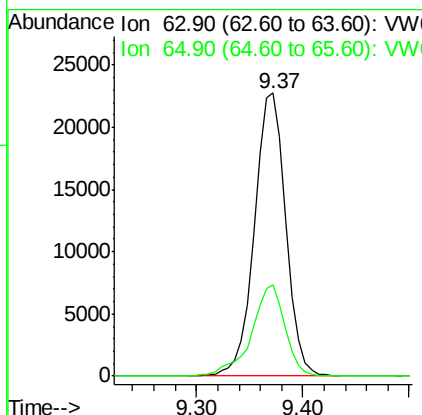
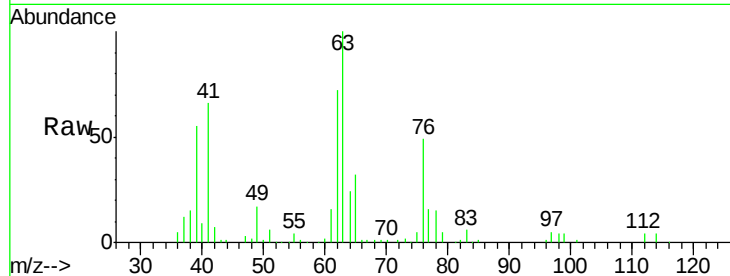




#45
 1,2-Dichloropropane
 Concen: 21.904 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

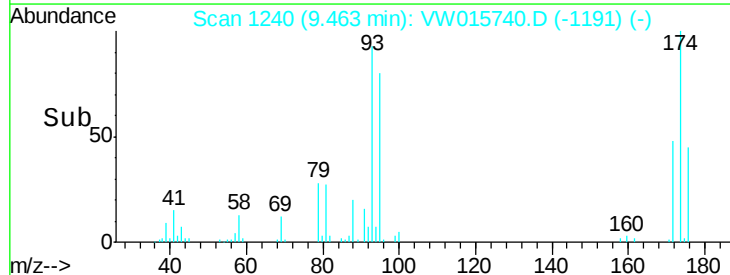
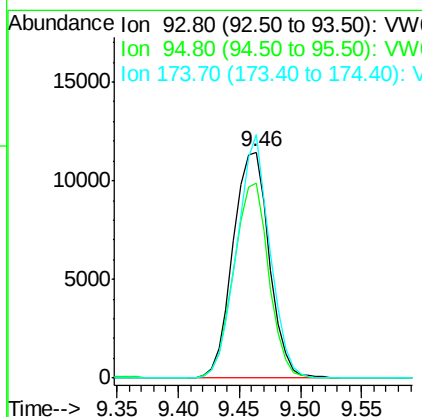
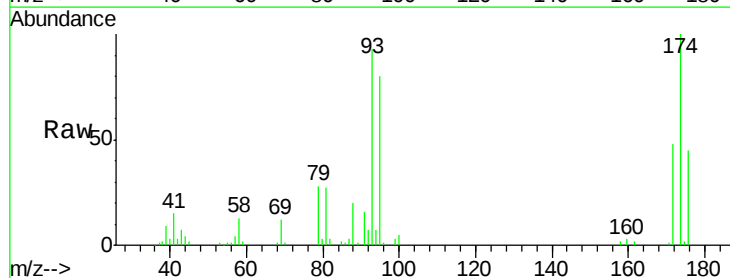
Instrument :
 MSVOA_W
 ClientSampled :
 VW0626SBS01

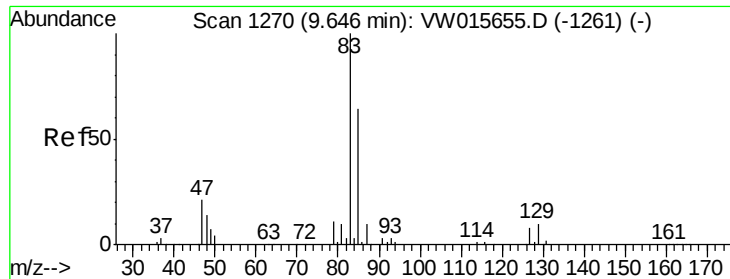
Tot Ion: 63 Resp: 46920
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.3 37.9



#46
 Dibromomethane
 Concen: 21.217 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Tgt Ion: 93 Resp: 23515
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.7 98.5
 174 97.9 79.0 118.6





#47

Bromodichloromethane

Concen: 20.899 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

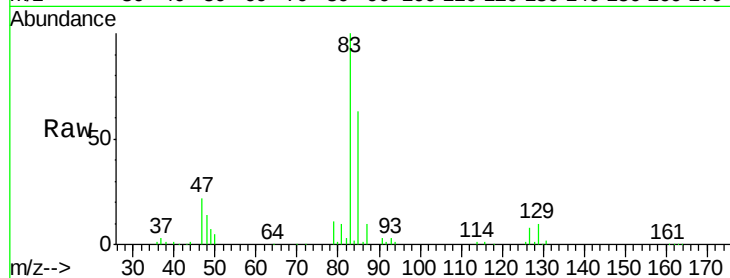
Tot Ion: 83 Resp: 60416

Ion Ratio Lower Upper

83 100

85 62.6 50.8 76.2

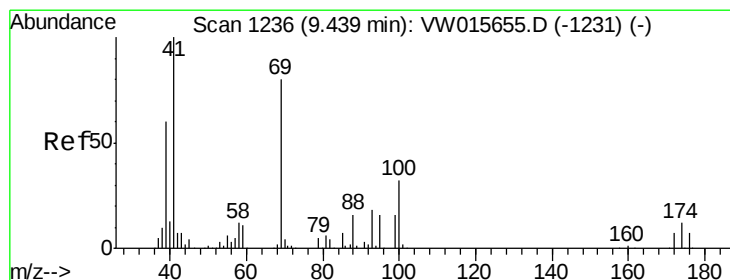
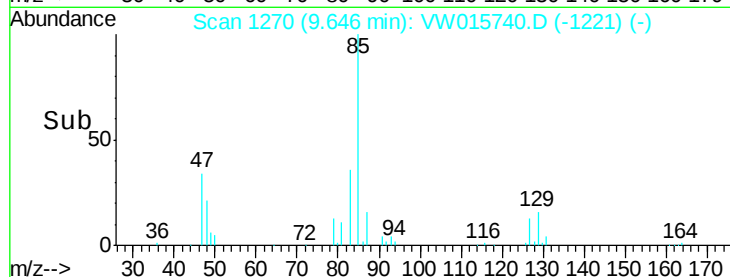
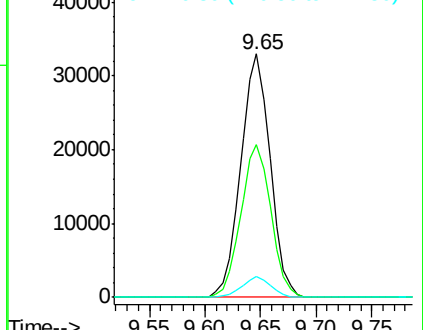
127 8.4 6.3 9.5



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: 20.857 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

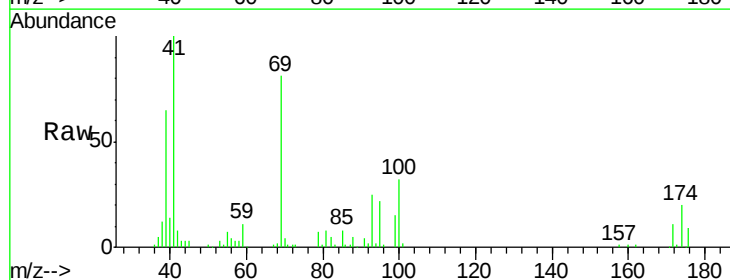
Tgt Ion: 41 Resp: 23417

Ion Ratio Lower Upper

41 100

69 86.0 68.2 102.2

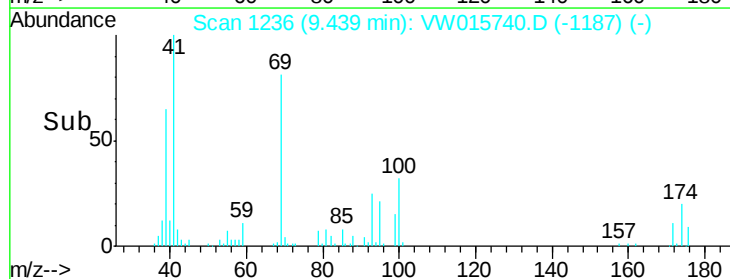
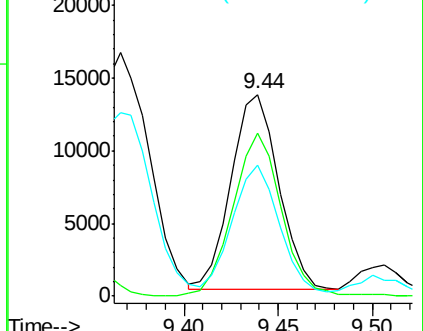
39 63.3 49.8 74.6

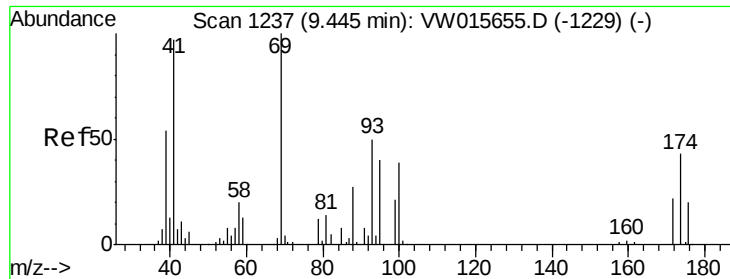


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 405.325 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

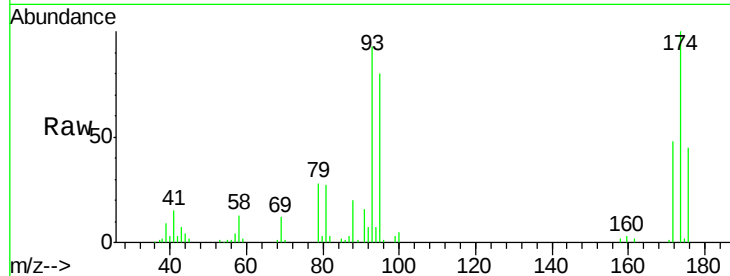
Tot Ion: 88 Resp: 5893

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

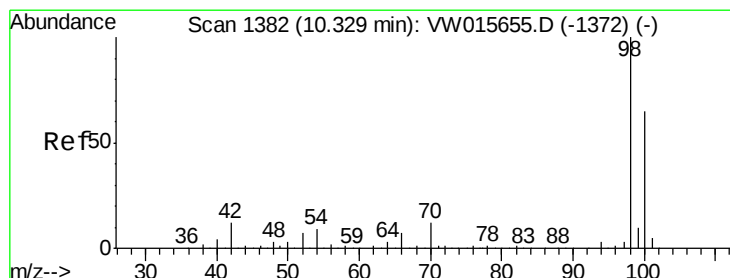
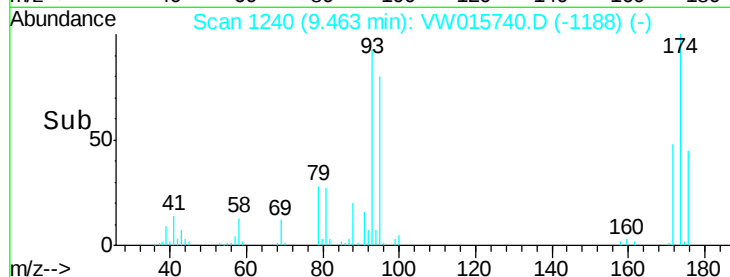
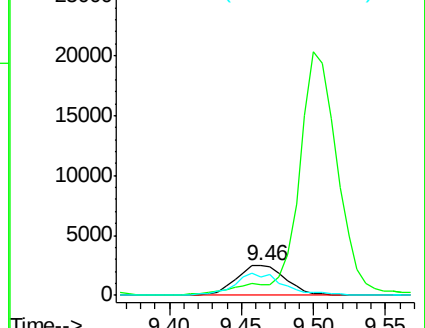
58 75.3 56.1 84.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.150 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW015740.D

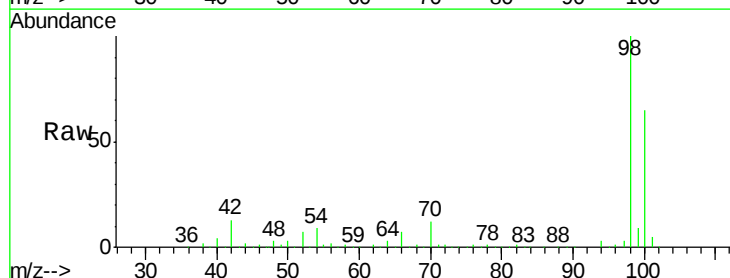
Acq: 26 Jun 2020 11:07

Tgt Ion: 98 Resp: 384691

Ion Ratio Lower Upper

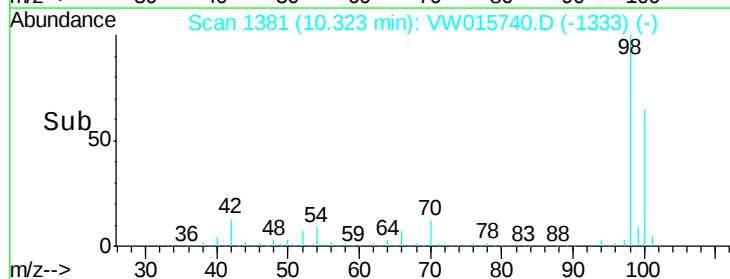
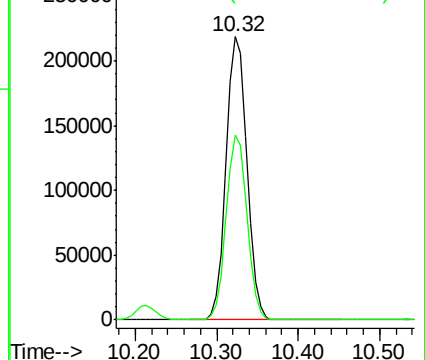
98 100

100 65.3 52.8 79.2



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: 103.413 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

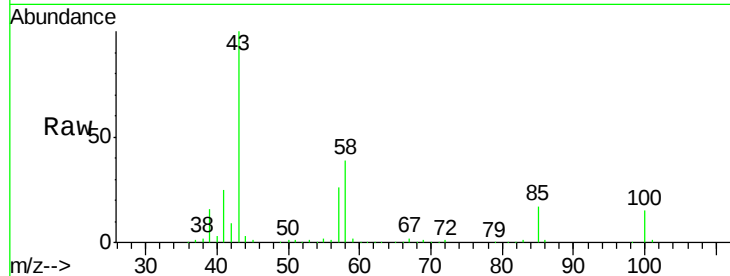
VW0626SBS01

Tot Ion: 43 Resp: 122471

Ion Ratio Lower Upper

43 100

58 38.8 31.2 46.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

60000

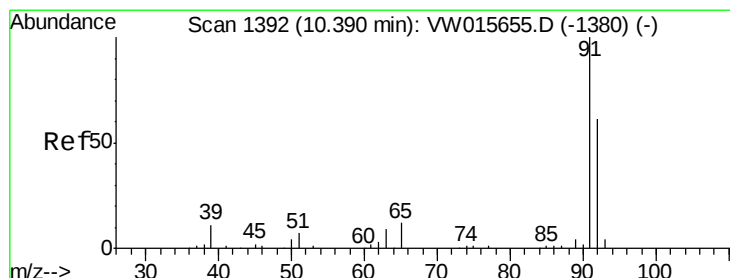
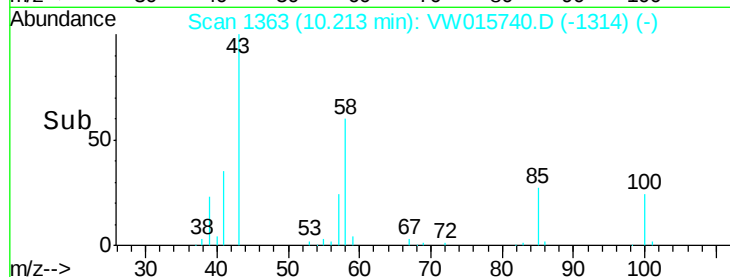
40000

20000

0

Time-->

10.10 10.20 10.30



#52

Toluene

Concen: 21.899 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015740.D

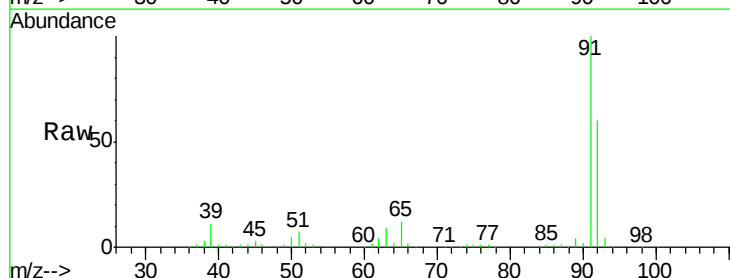
Acq: 26 Jun 2020 11:07

Tgt Ion: 92 Resp: 123919

Ion Ratio Lower Upper

92 100

91 171.7 135.5 203.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

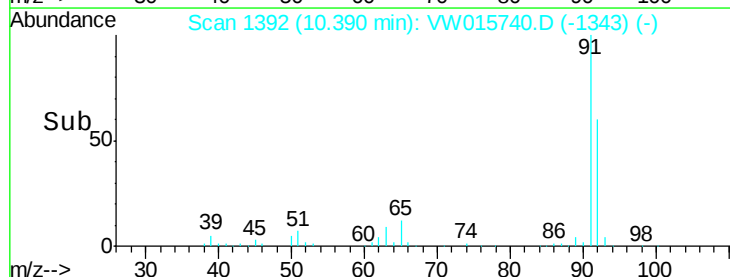
100000

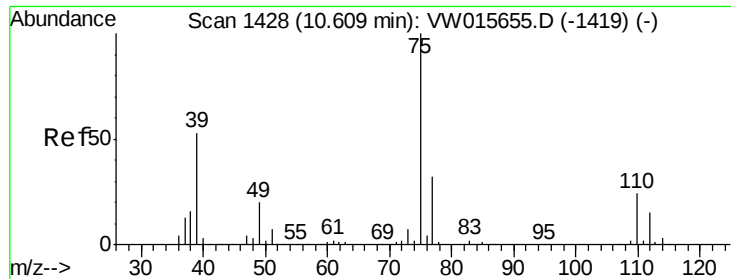
50000

0

Time-->

10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 20.429 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

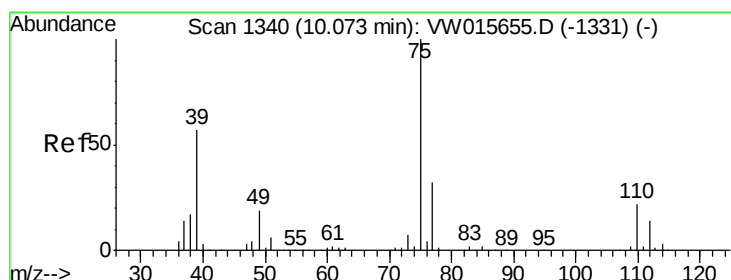
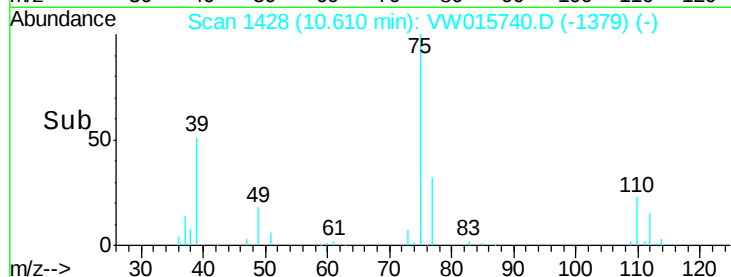
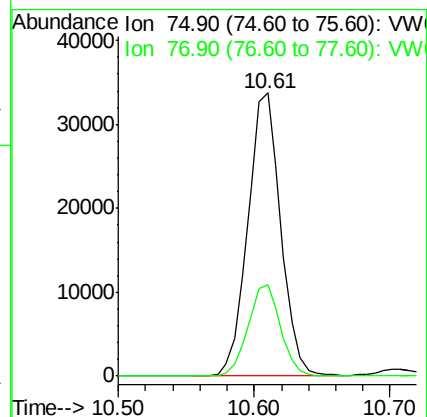
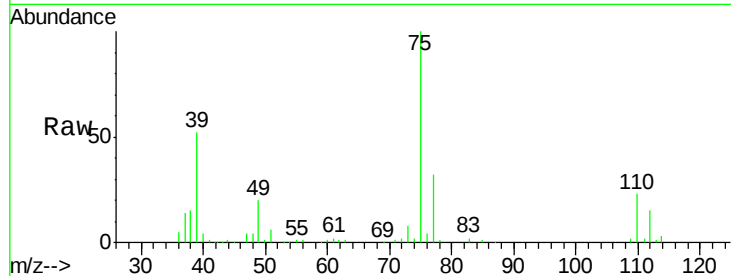
VW0626SBS01

Tot Ion: 75 Resp: 57054

Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.975 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

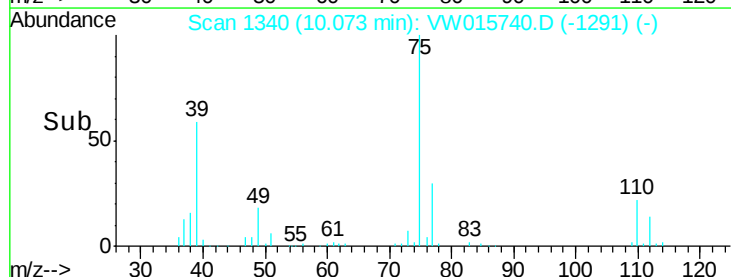
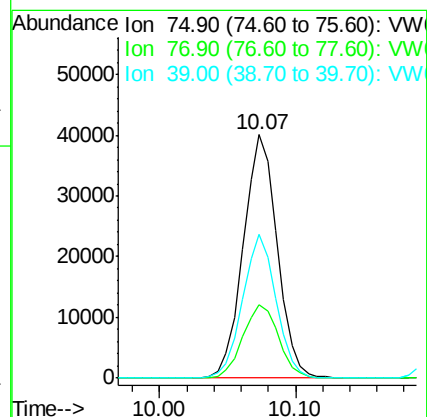
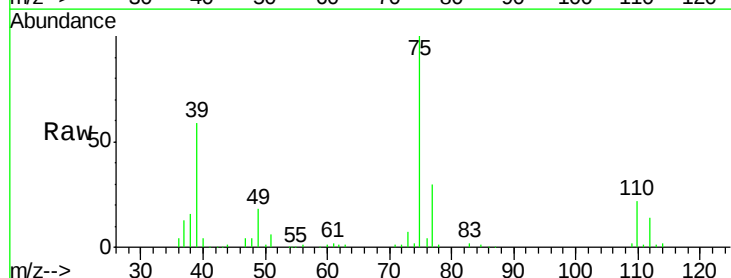
Tgt Ion: 75 Resp: 69981

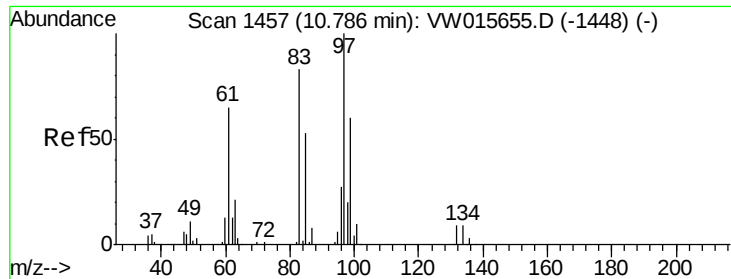
Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.2

39 58.9 45.8 68.6

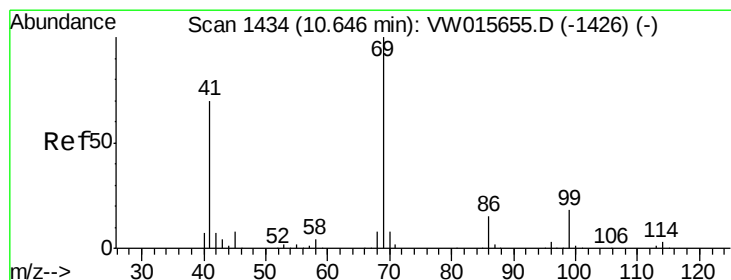
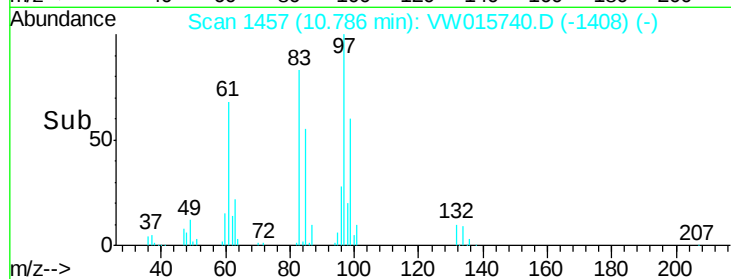
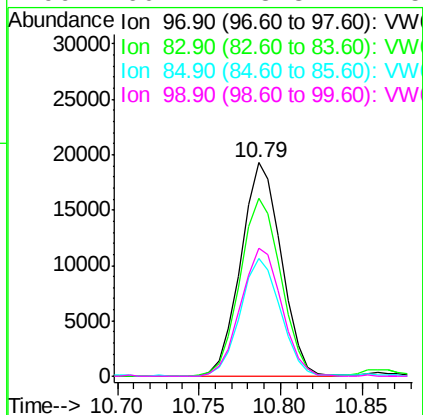
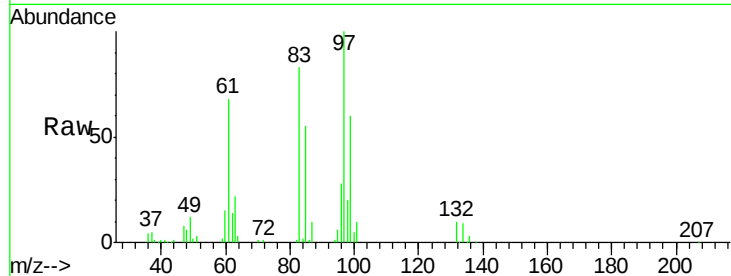




#55
 1,1,2-Trichloroethane
 Concen: 21.660 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

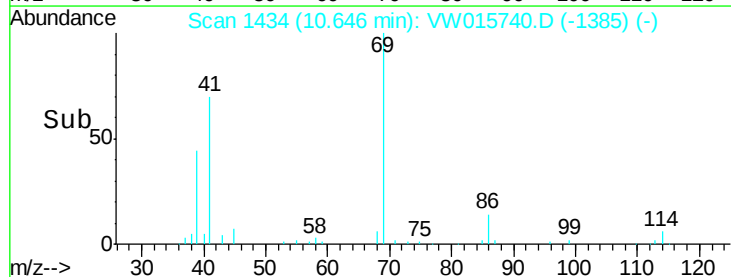
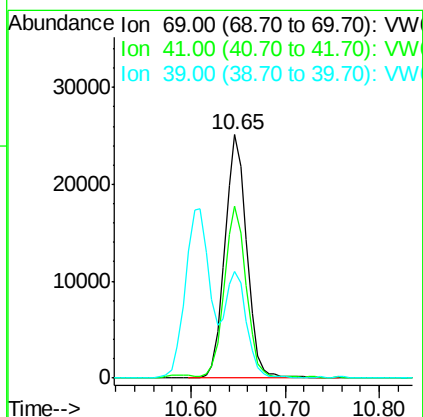
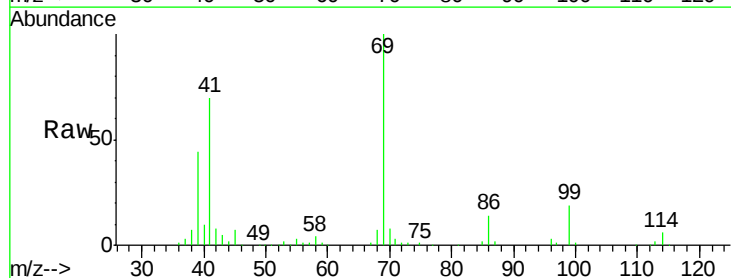
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0626SBS01

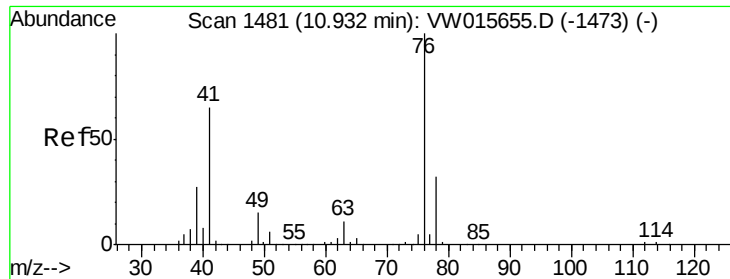
Tot Ion:	97	Resp:	33376
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.3	99.5
85	55.1	42.5	63.7
99	60.2	48.3	72.5



#56
 Ethyl methacrylate
 Concen: 21.067 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Tgt Ion:	69	Resp:	40393
Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.8	83.6
39	42.8	29.5	44.3

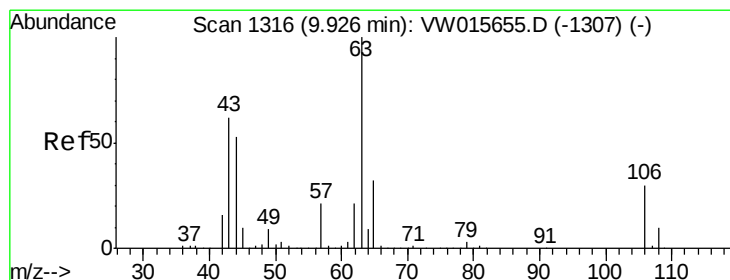
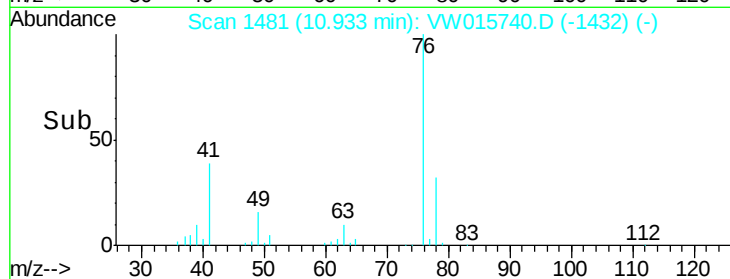
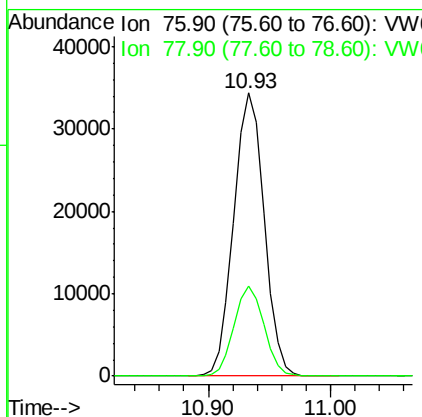
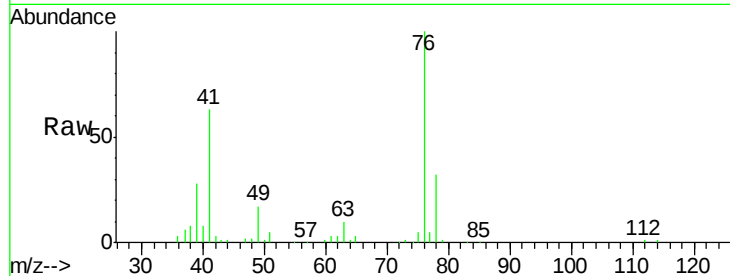




#57
 1,3-Dichloropropane
 Concen: 21.632 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

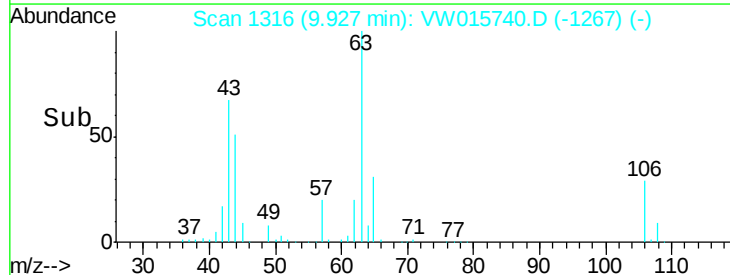
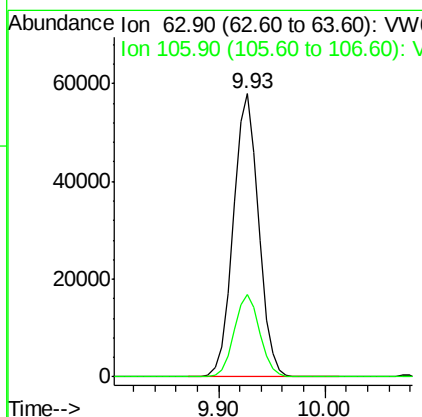
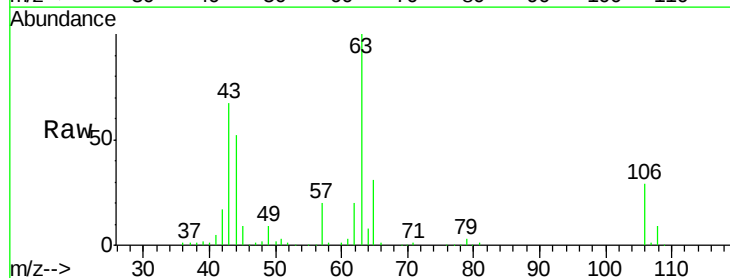
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0626SBS01

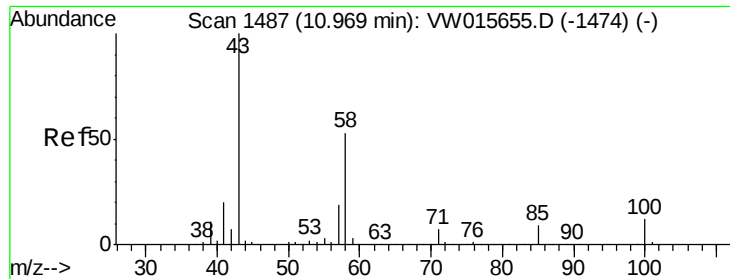
Tot Ion: 76 Resp: 59095
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.783 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Tgt Ion: 63 Resp: 96886
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.3 34.9





#59

2-Hexanone

Concen: 103.665 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

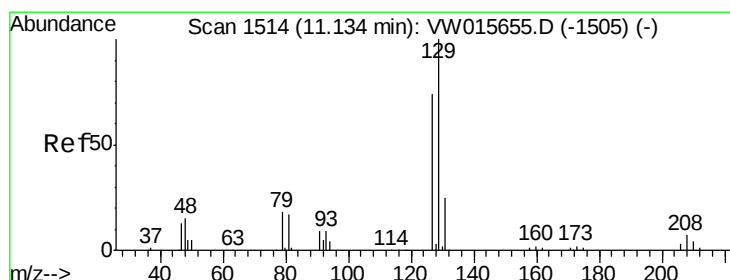
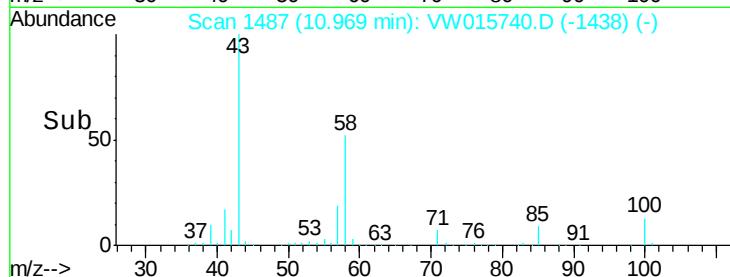
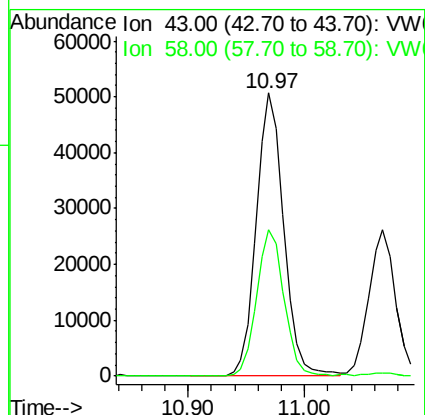
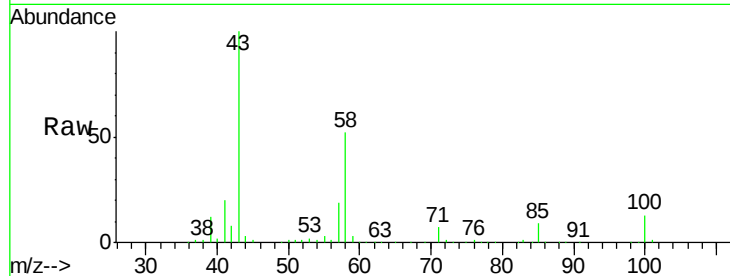
VW0626SBS01

Tot Ion: 43 Resp: 83581

Ion Ratio Lower Upper

43 100

58 51.7 26.5 79.4



#60

Dibromochloromethane

Concen: 20.522 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015740.D

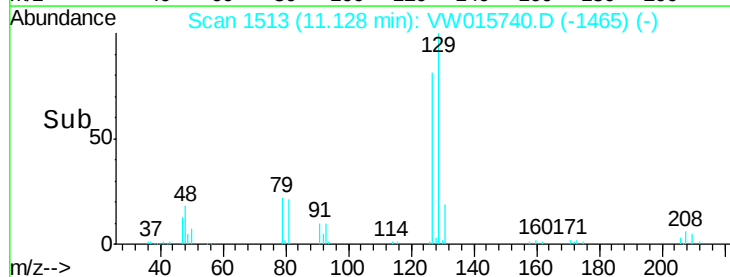
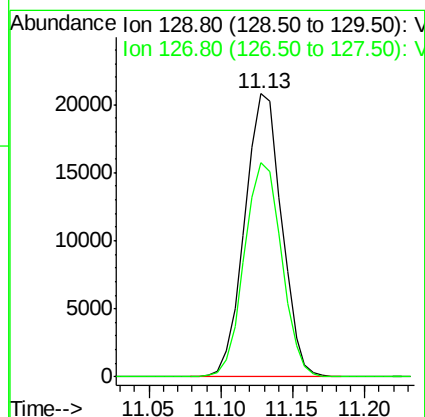
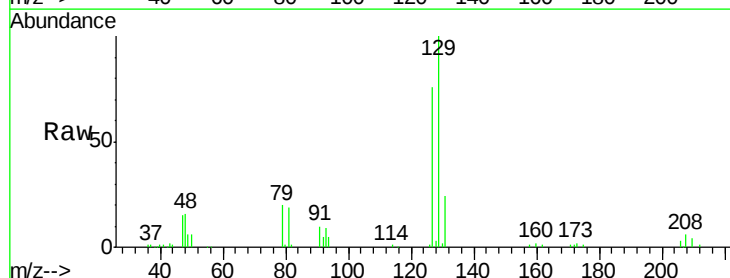
Acq: 26 Jun 2020 11:07

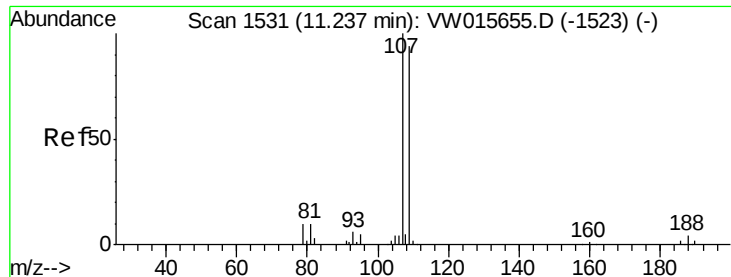
Tgt Ion: 129 Resp: 36852

Ion Ratio Lower Upper

129 100

127 76.6 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.852 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

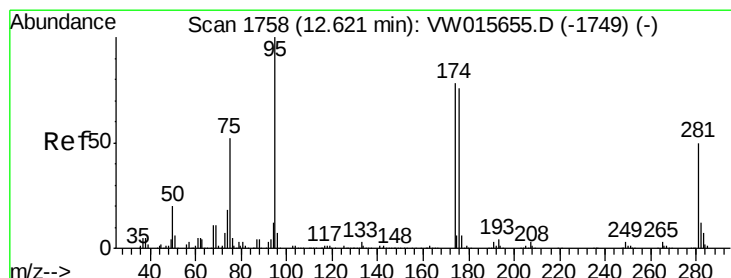
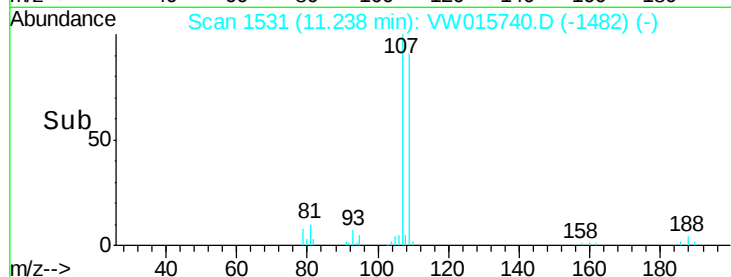
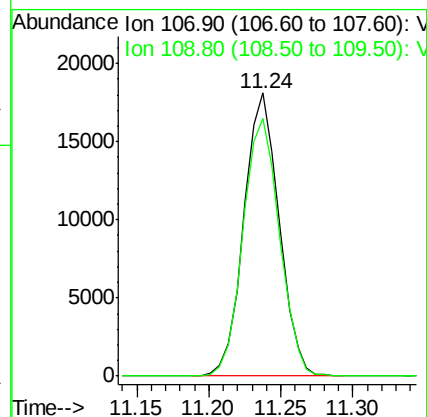
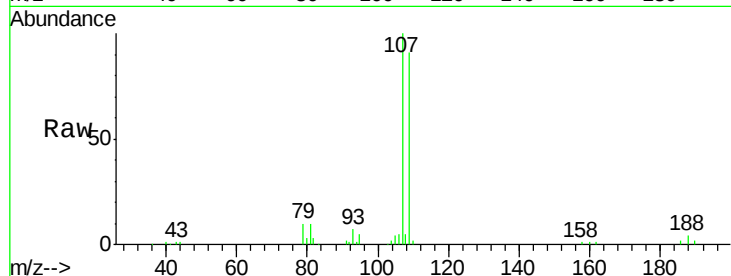
VW0626SBS01

Tot Ion:107 Resp: 30713

Ion Ratio Lower Upper

107 100

109 94.1 74.9 112.3



#62

4-Bromofluorobenzene

Concen: 49.499 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

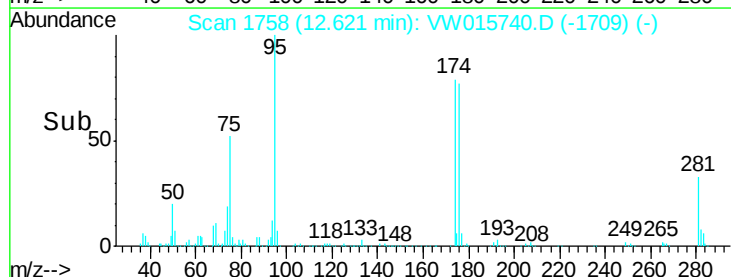
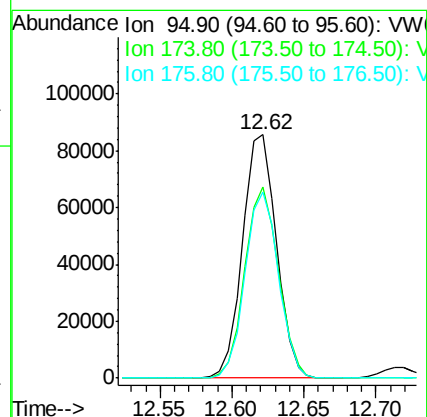
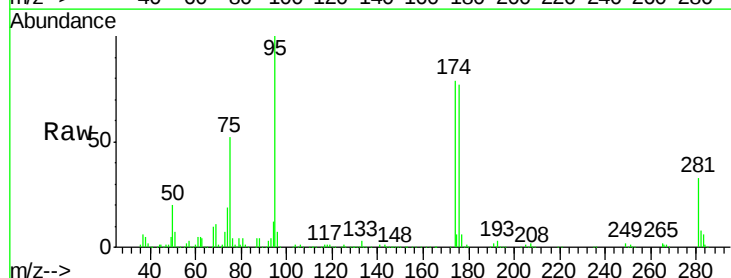
Tgt Ion: 95 Resp: 139831

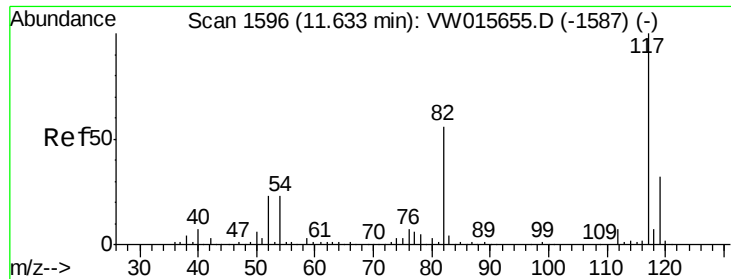
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.0

176 75.2 0.0 151.4

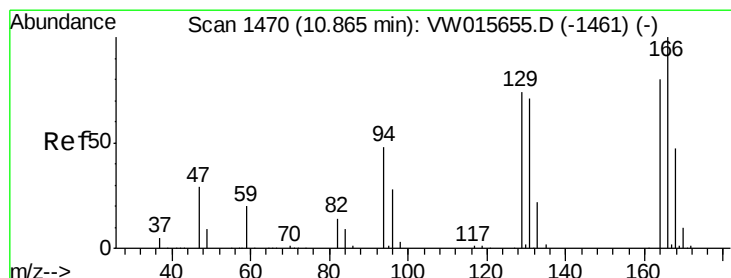
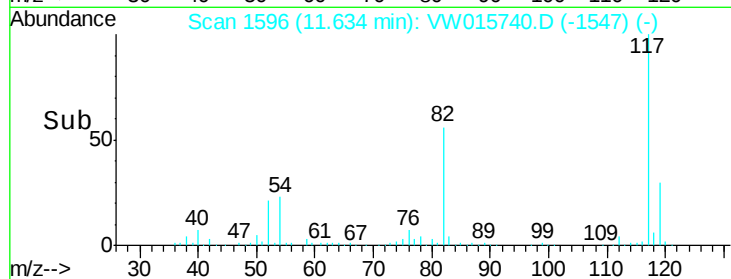
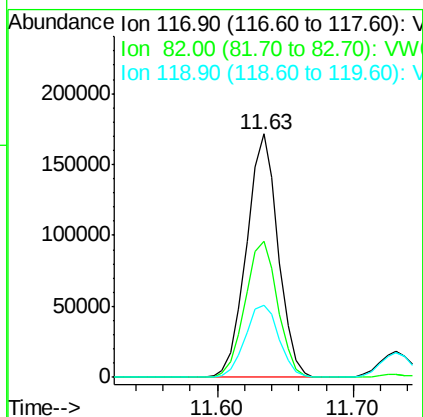
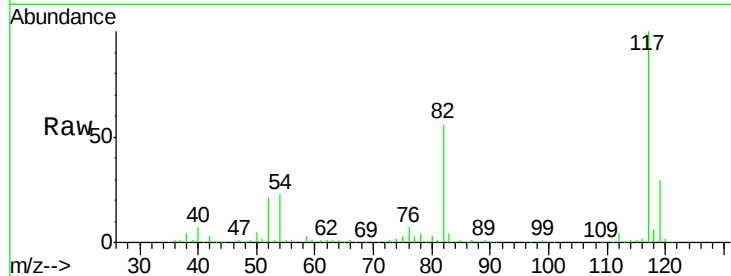




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

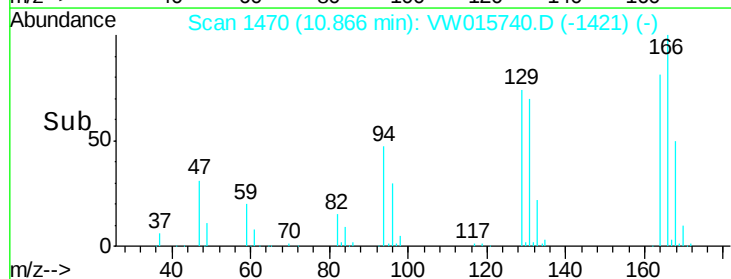
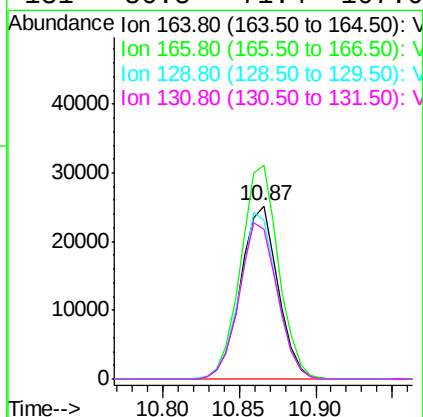
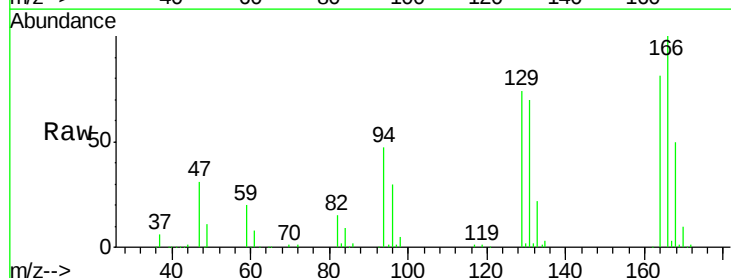
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

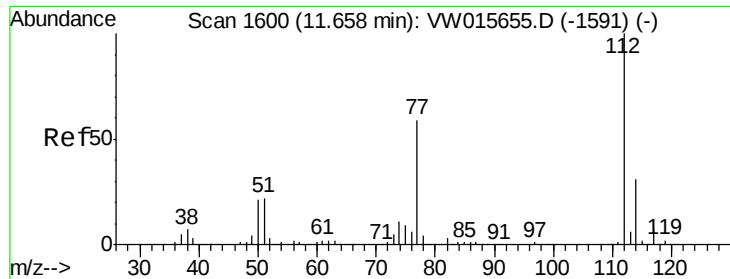
Tot Ion:117 Resp: 278943
Ion Ratio Lower Upper
117 100
82 55.7 45.1 67.7
119 29.7 25.8 38.8



#64
Tetrachloroethene
Concen: 21.716 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion:164 Resp: 42556
Ion Ratio Lower Upper
164 100
166 123.4 99.9 149.9
129 91.4 74.2 111.2
131 86.8 71.4 107.0

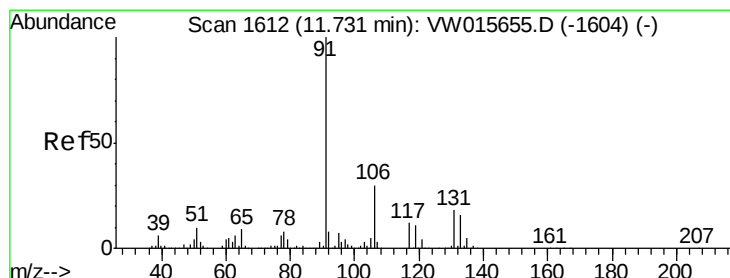
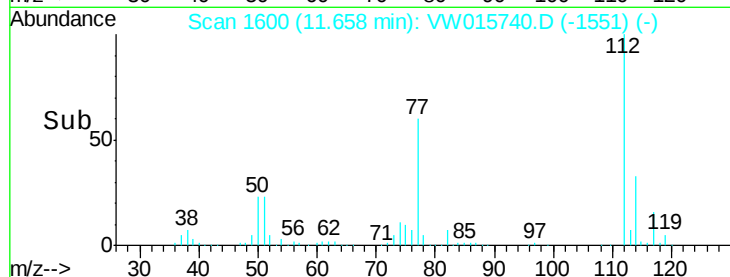
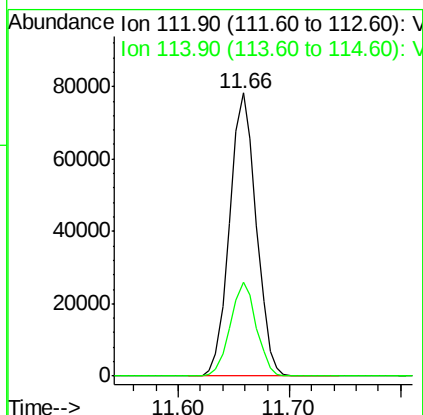
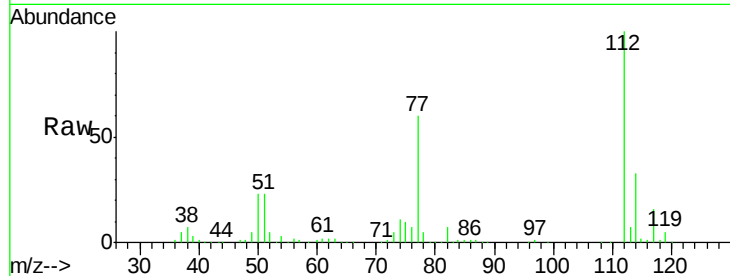




#65
Chlorobenzene
Concen: 22.006 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

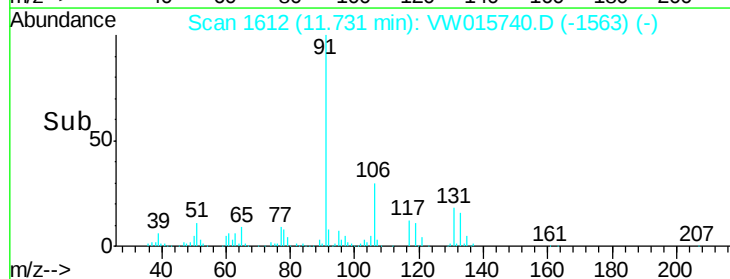
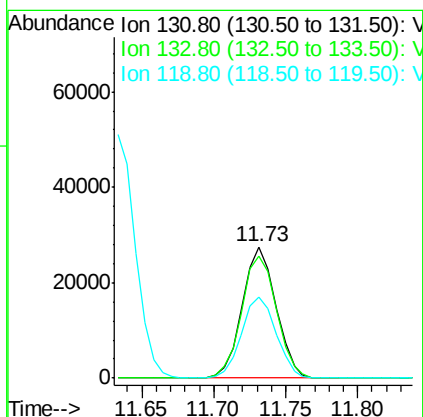
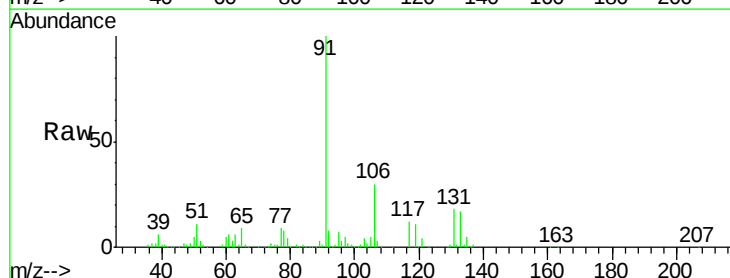
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

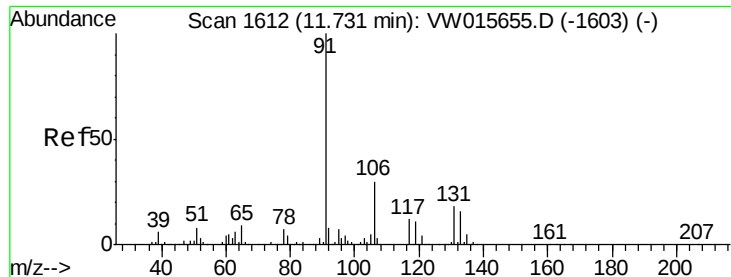
Tot Ion:112 Resp: 129420
Ion Ratio Lower Upper
112 100
114 33.1 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.666 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion:131 Resp: 44677
Ion Ratio Lower Upper
131 100
133 96.2 46.5 139.5
119 63.4 32.5 97.5

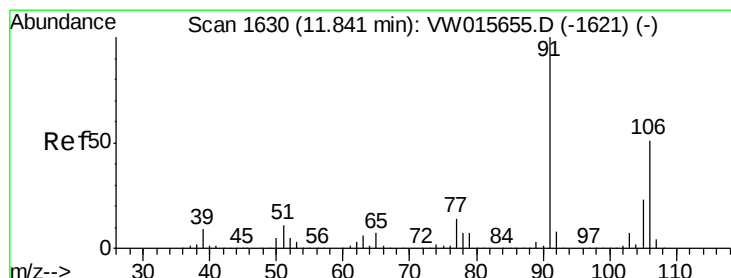
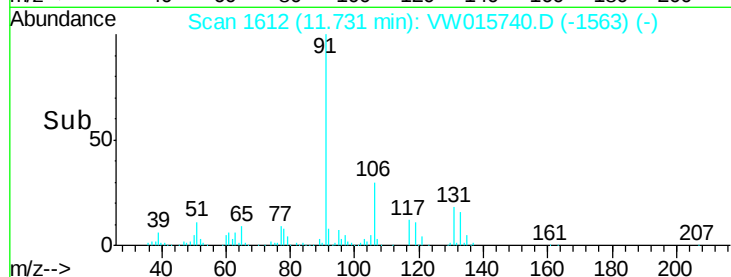
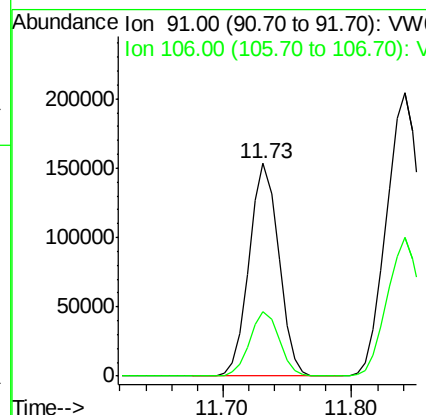
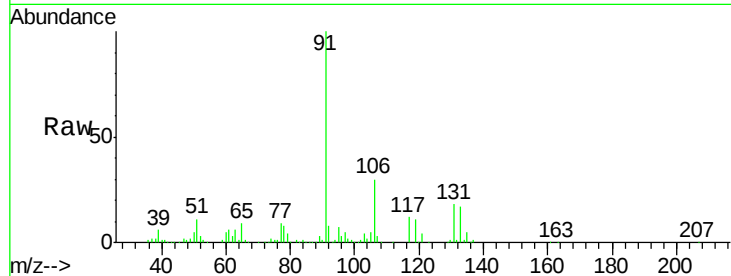




#67
Ethyl Benzene
Concen: 22.230 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

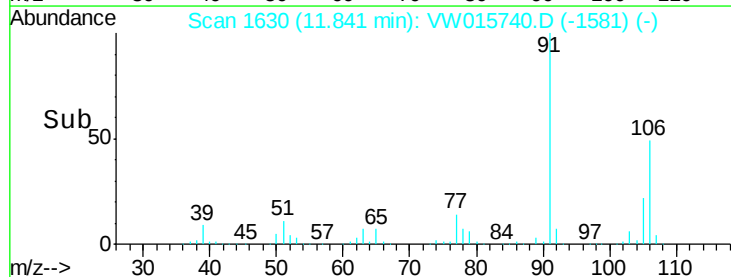
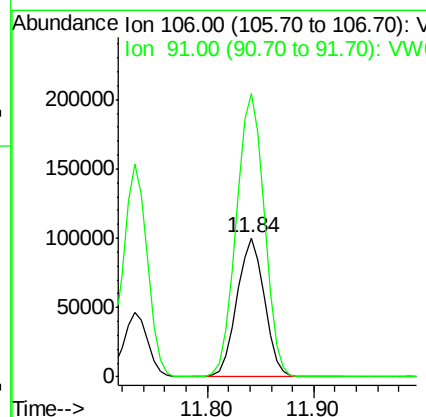
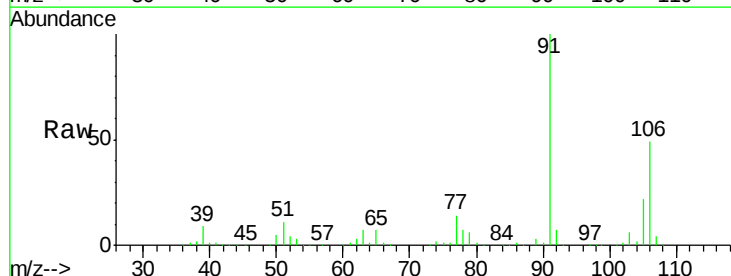
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

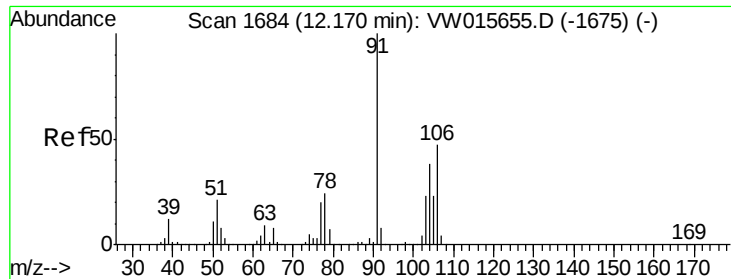
Tot Ion: 91 Resp: 243317
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1



#68
m/p-Xylenes
Concen: 44.324 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion: 106 Resp: 182169
Ion Ratio Lower Upper
106 100
91 208.2 162.6 244.0

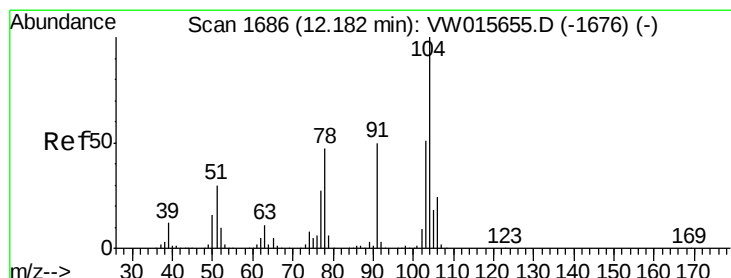
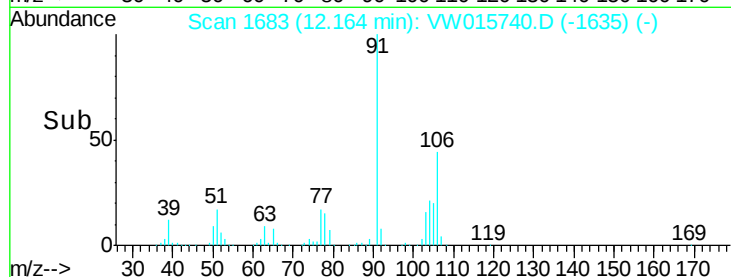
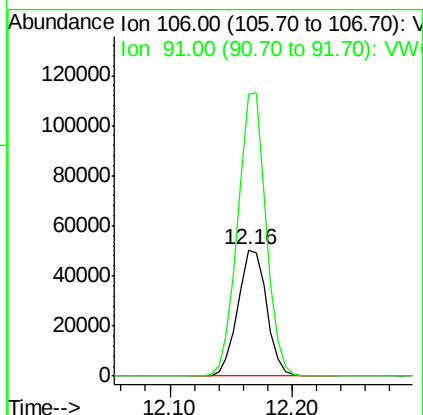
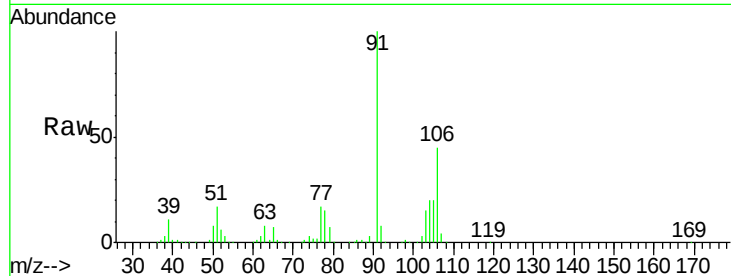




#69
o-Xylene
Concen: 21.720 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

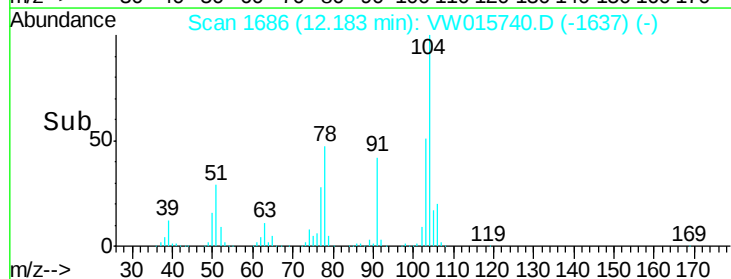
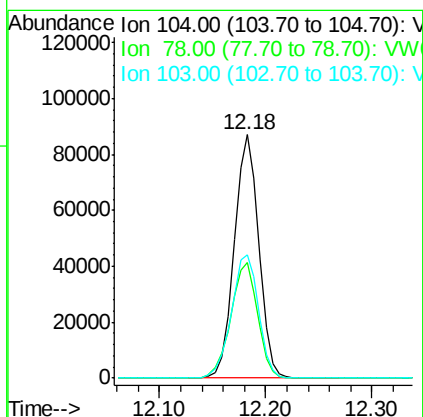
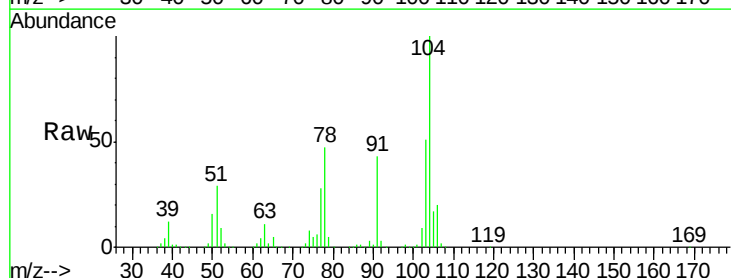
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

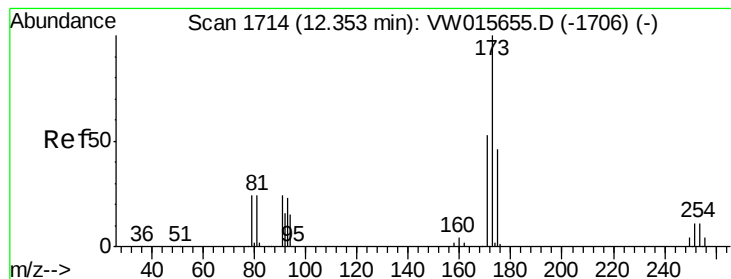
Tot Ion:106 Resp: 82077
Ion Ratio Lower Upper
106 100
91 220.5 108.3 324.9



#70
Styrene
Concen: 21.809 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion:104 Resp: 140805
Ion Ratio Lower Upper
104 100
78 52.0 40.9 61.3
103 56.0 43.1 64.7





#71

Bromoform

Concen: 20.261 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

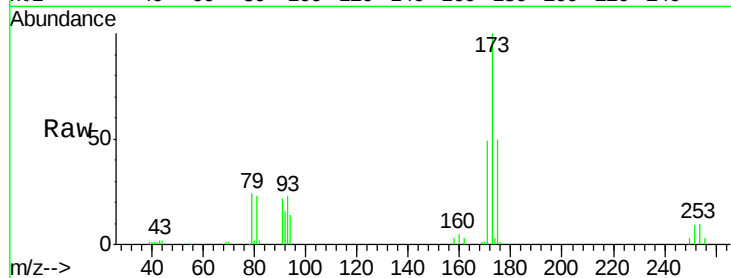
Tot Ion:173 Resp: 19223

Ion Ratio Lower Upper

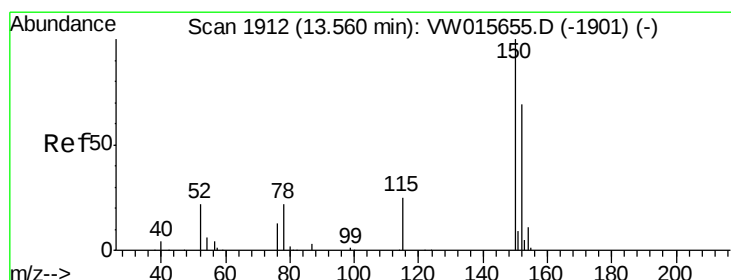
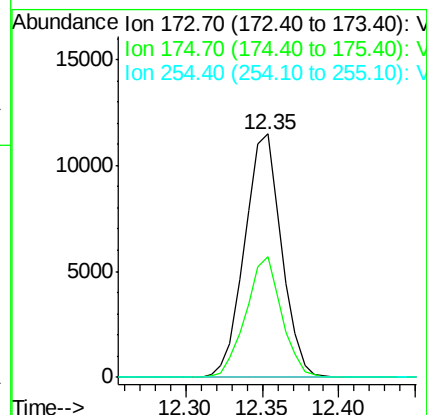
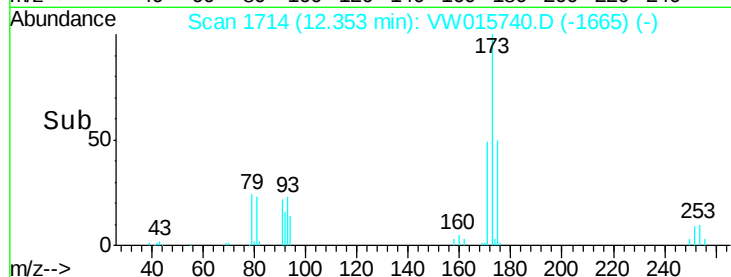
173 100

175 48.1 23.5 70.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

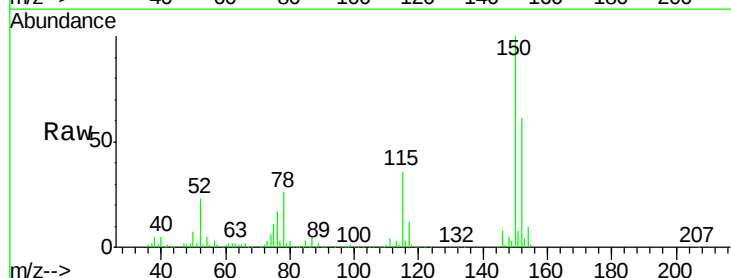
Tgt Ion:152 Resp: 143125

Ion Ratio Lower Upper

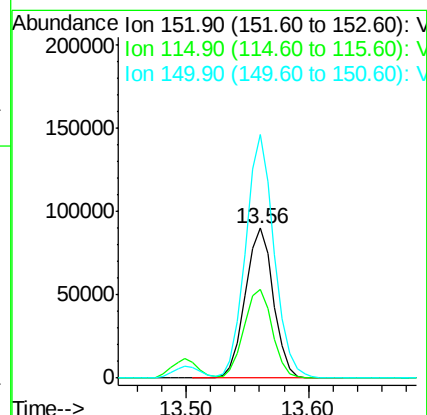
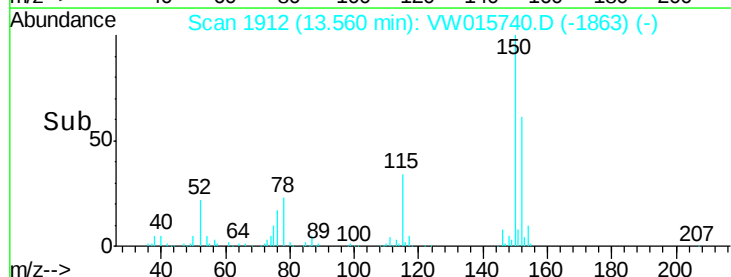
152 100

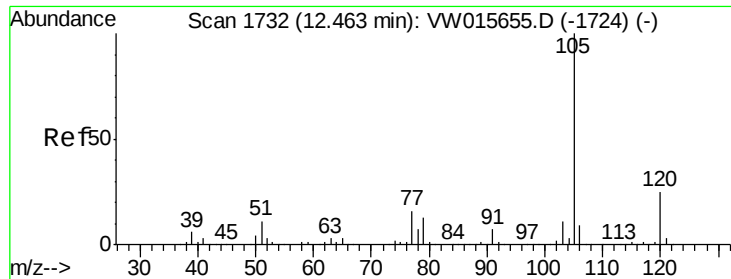
115 59.9 30.1 90.5

150 164.5 0.0 345.6



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: 21.424 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

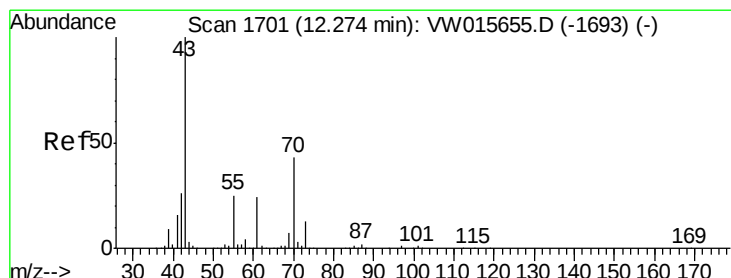
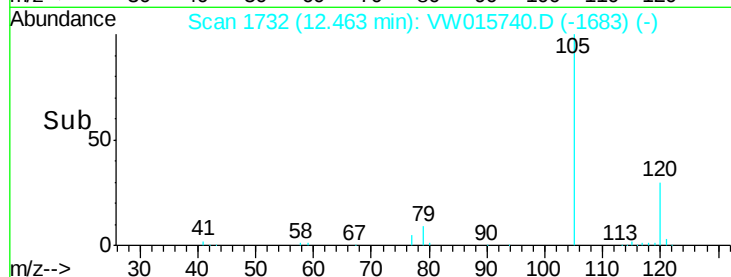
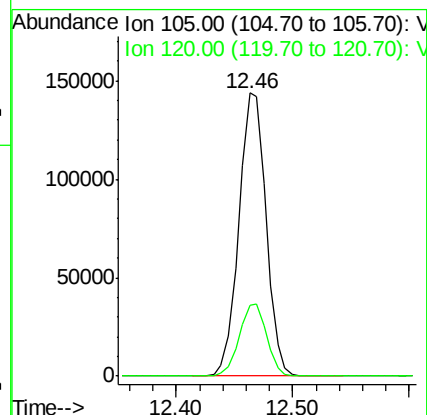
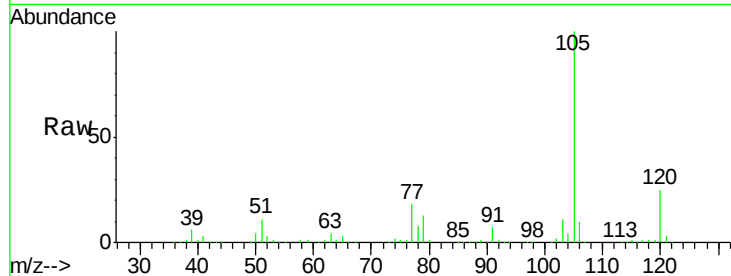
VW0626SBS01

Tot Ion:105 Resp: 233908

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



#74

N-ethyl acetate

Concen: 20.437 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Tgt Ion: 43 Resp: 47301

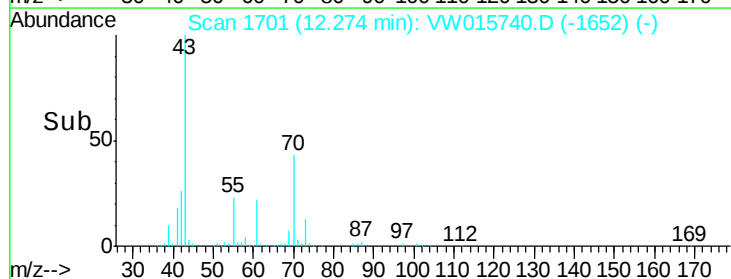
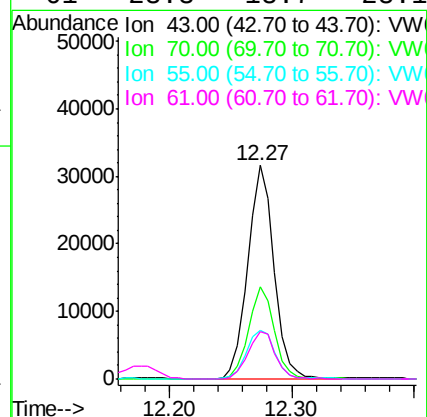
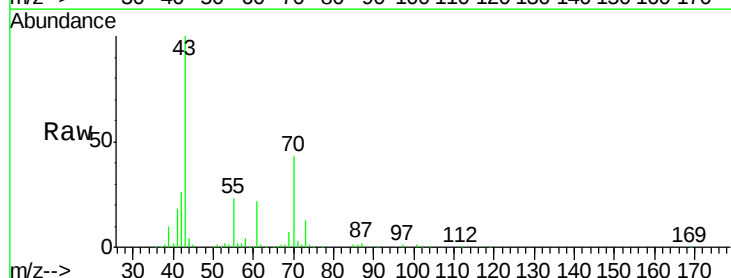
Ion Ratio Lower Upper

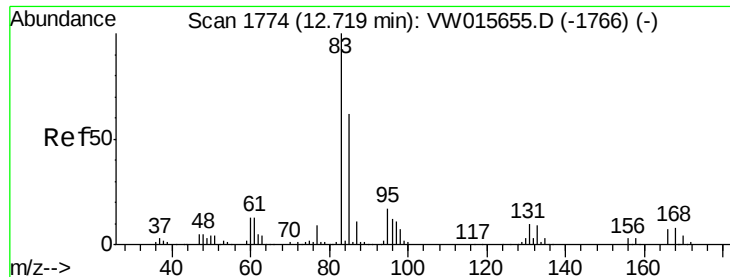
43 100

70 42.4 33.6 50.4

55 25.2 19.7 29.5

61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.108 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

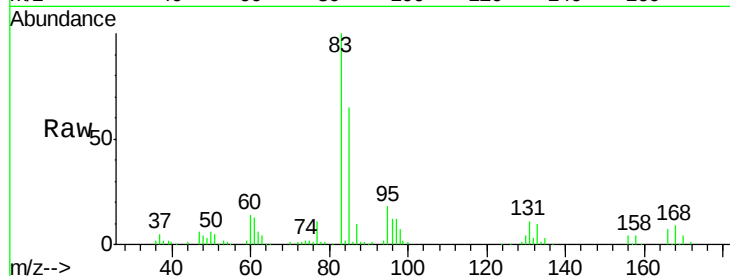
Tot Ion: 83 Resp: 36868

Ion Ratio Lower Upper

83 100

131 11.1 5.5 16.4

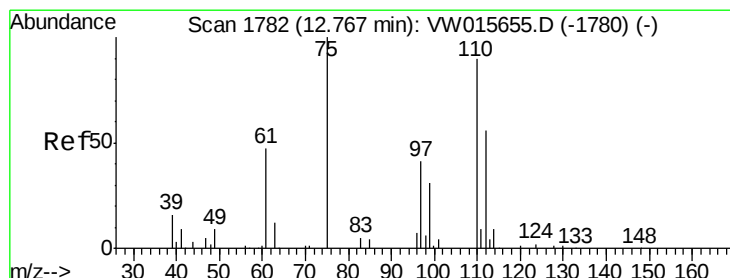
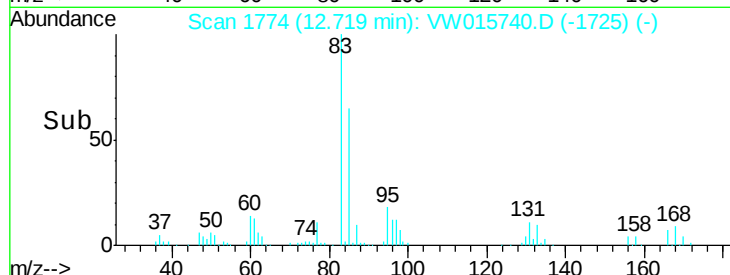
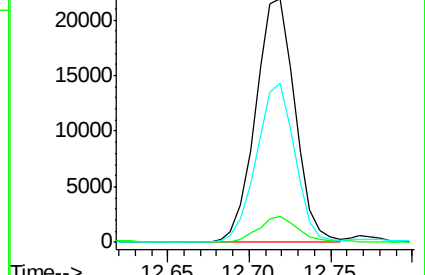
85 63.7 31.9 95.7



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: 35.667 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015740.D

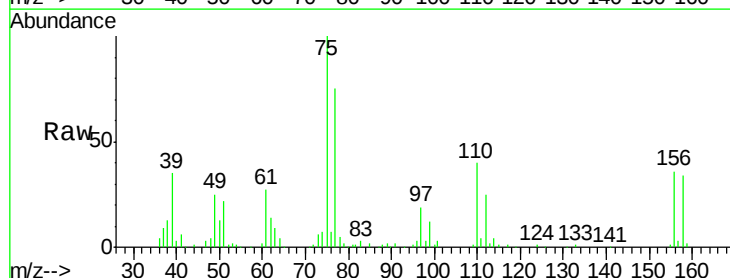
Acq: 26 Jun 2020 11:07

Tgt Ion: 75 Resp: 46564

Ion Ratio Lower Upper

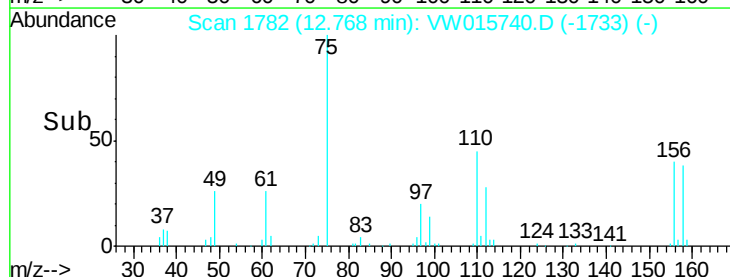
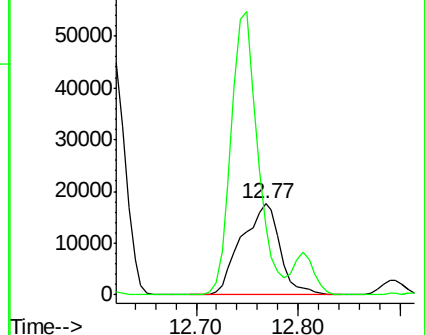
75 100

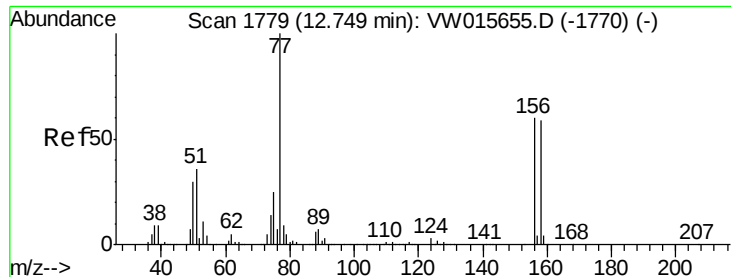
77 212.8 179.1 537.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.027 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampled :

VW0626SBS01

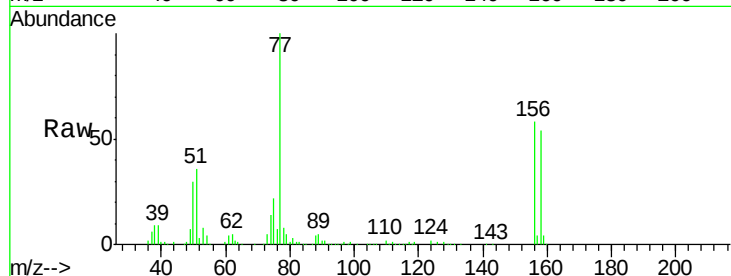
Tot Ion:156 Resp: 51191

Ion Ratio Lower Upper

156 100

77 193.6 94.5 283.5

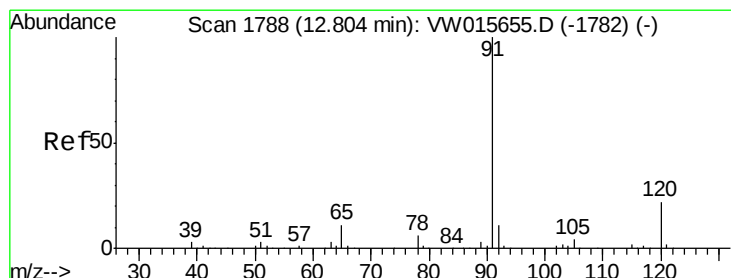
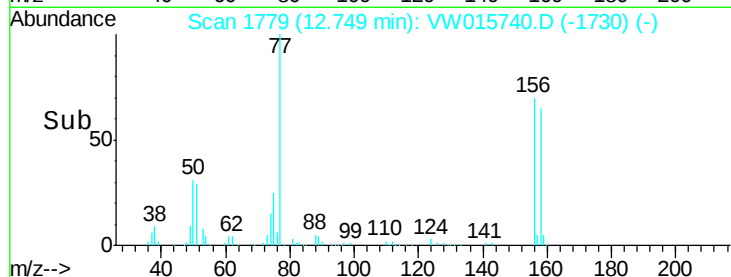
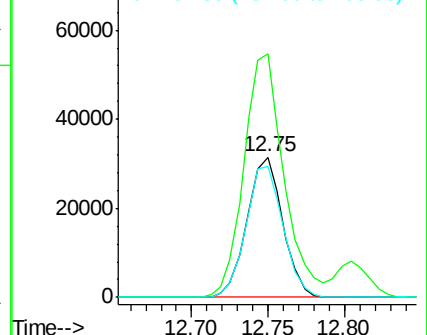
158 96.5 47.9 143.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.038 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015740.D

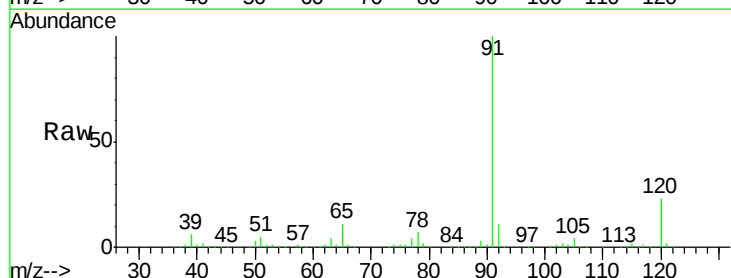
Acq: 26 Jun 2020 11:07

Tgt Ion: 91 Resp: 289625

Ion Ratio Lower Upper

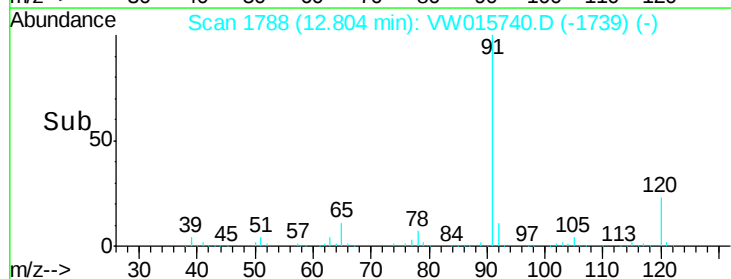
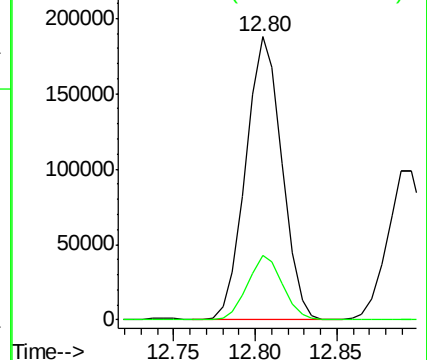
91 100

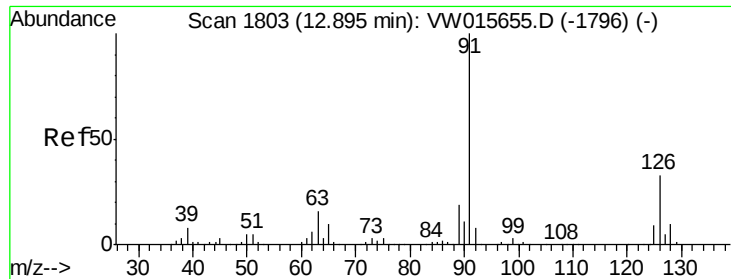
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.151 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

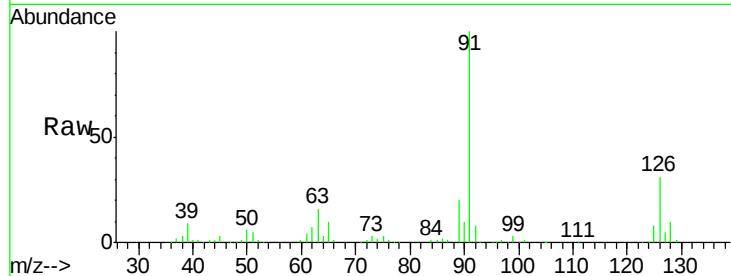
VW0626SBS01

Tot Ion: 91 Resp: 163909

Ion Ratio Lower Upper

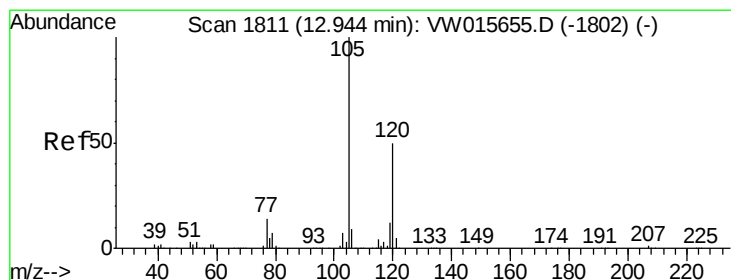
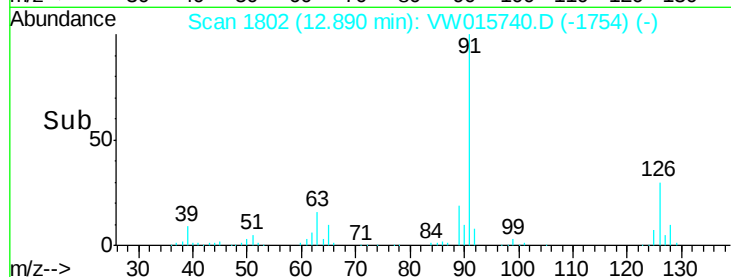
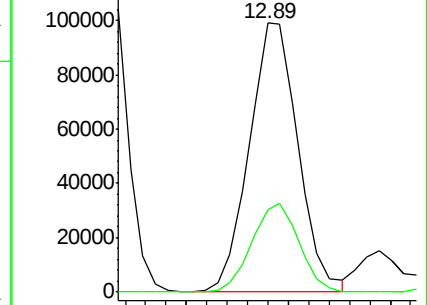
91 100

126 32.3 16.6 49.8



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: 21.801 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015740.D

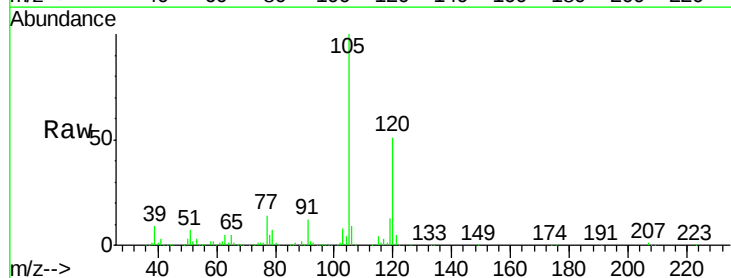
Acq: 26 Jun 2020 11:07

Tgt Ion:105 Resp: 201690

Ion Ratio Lower Upper

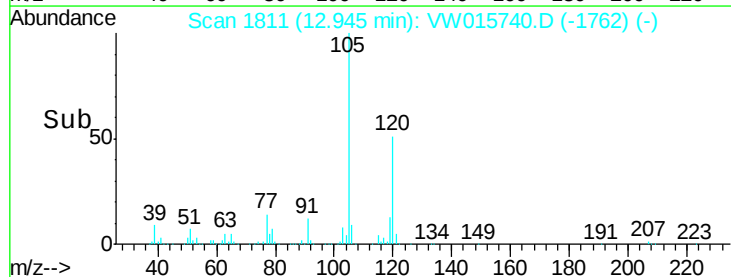
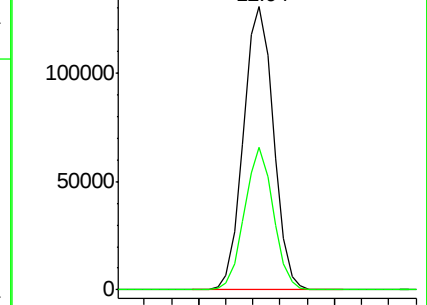
105 100

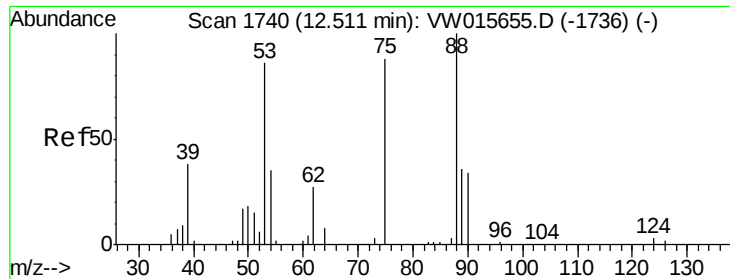
120 48.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.400 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

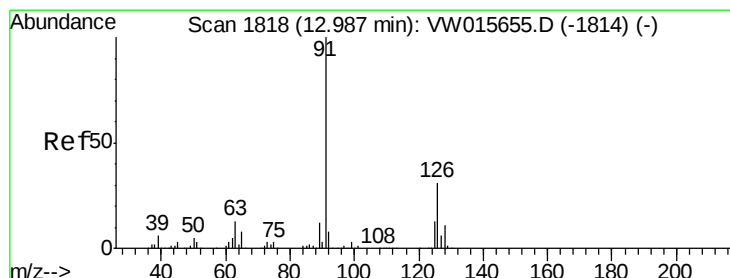
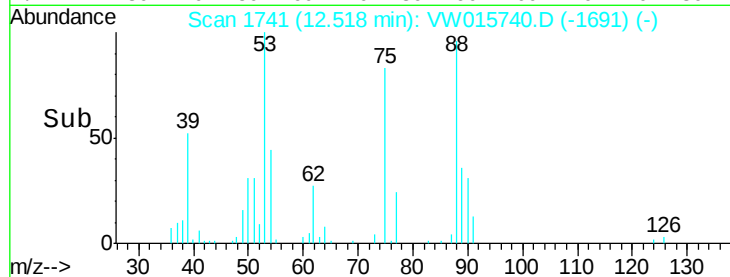
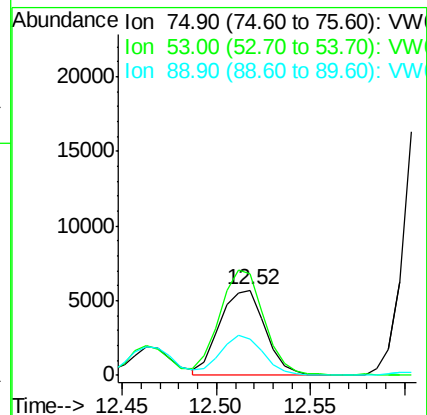
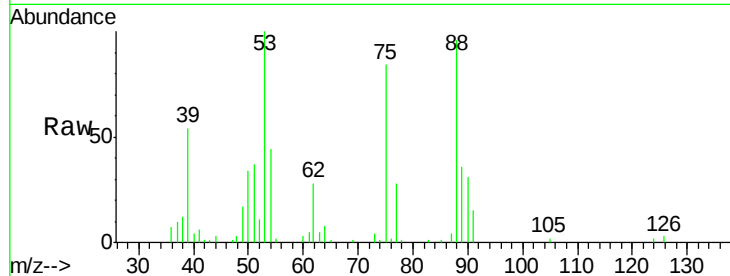
Tot Ion: 75 Resp: 9532

Ion Ratio Lower Upper

75 100

53 122.4 83.8 125.8

89 44.3 36.6 55.0



#82

4-Chlorotoluene

Concen: 21.772 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW015740.D

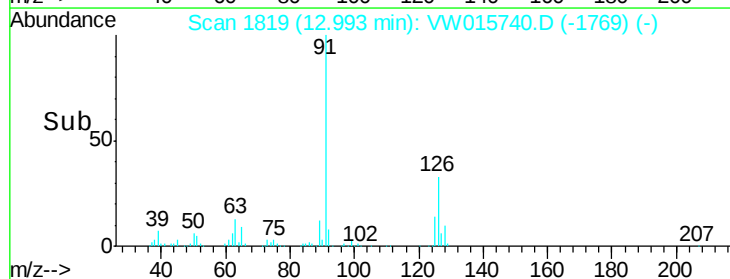
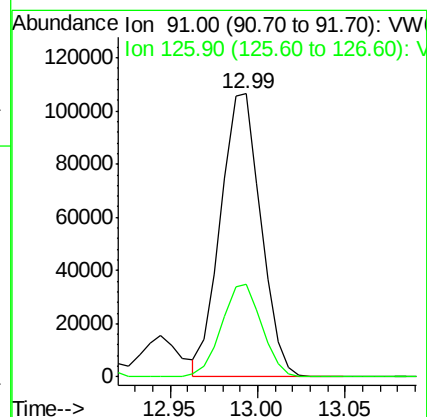
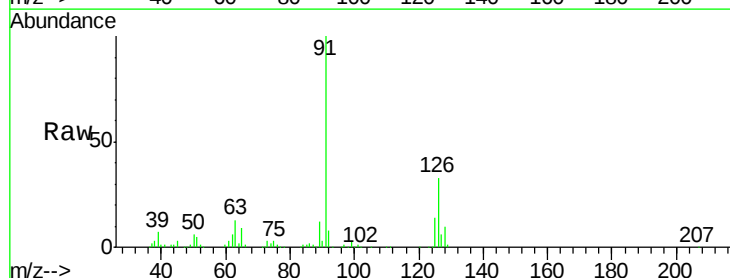
Acq: 26 Jun 2020 11:07

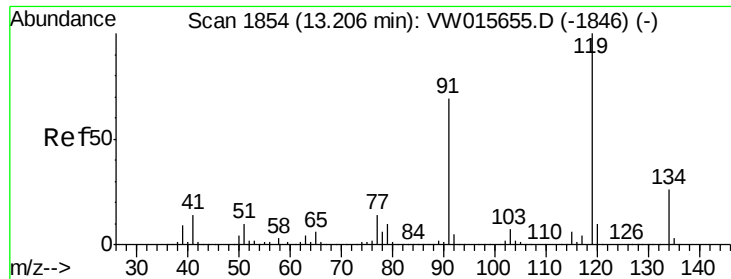
Tgt Ion: 91 Resp: 170440

Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.9

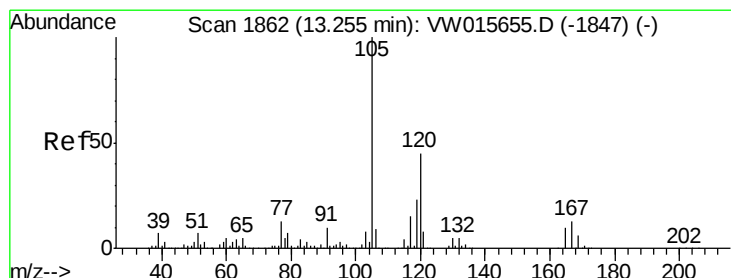
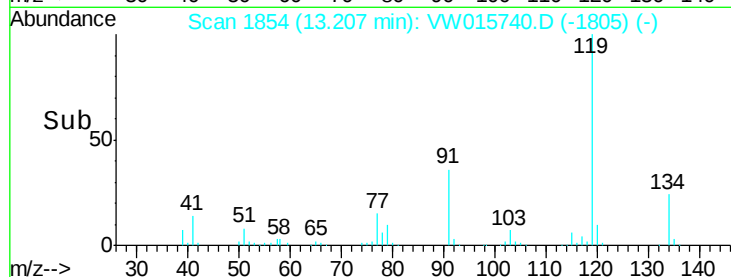
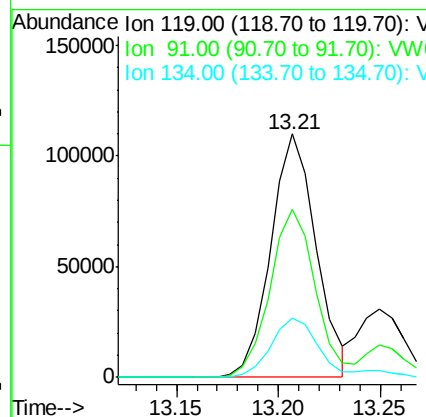
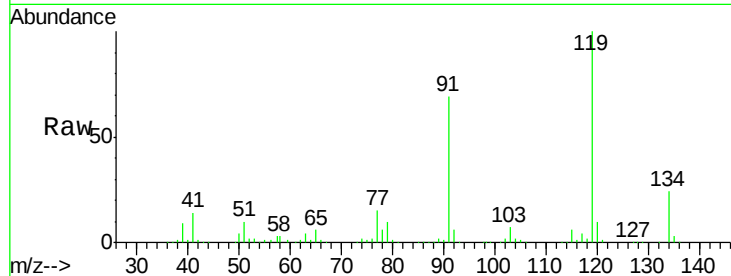




#83
tert-Butylbenzene
Concen: 21.761 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

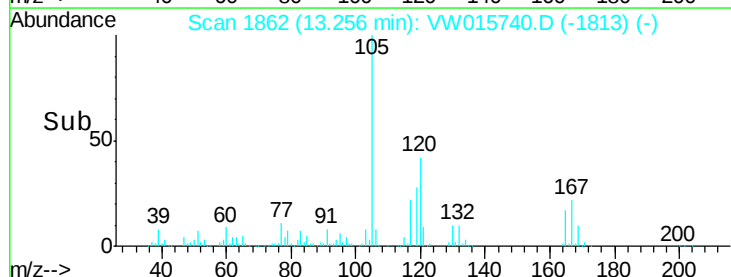
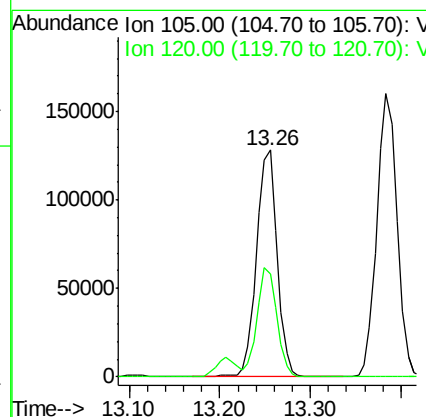
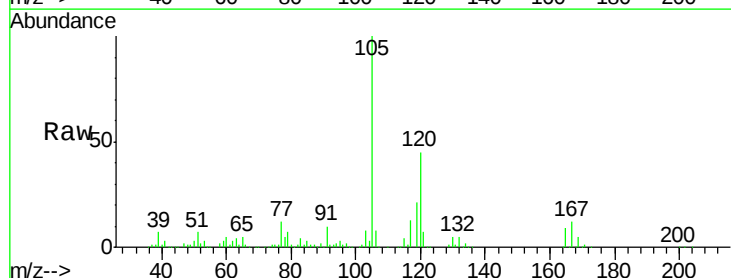
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

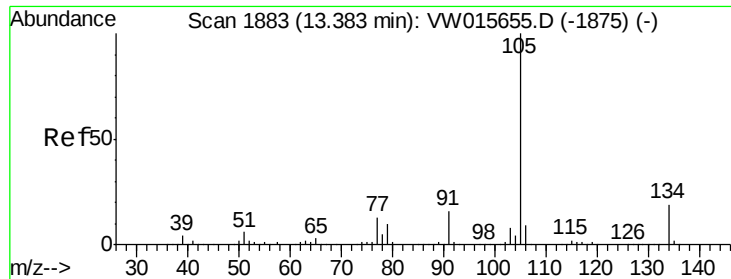
Tot Ion:119 Resp: 170096
Ion Ratio Lower Upper
119 100
91 69.7 34.7 104.1
134 25.2 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 21.936 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion:105 Resp: 202380
Ion Ratio Lower Upper
105 100
120 46.4 22.8 68.3

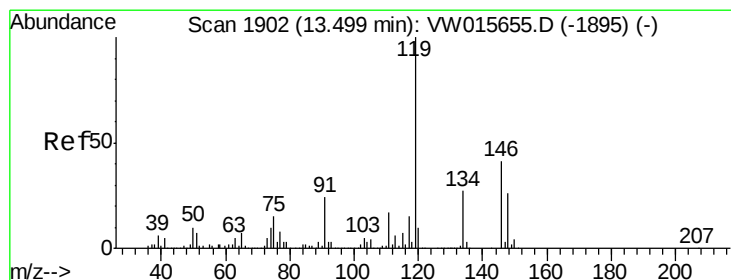
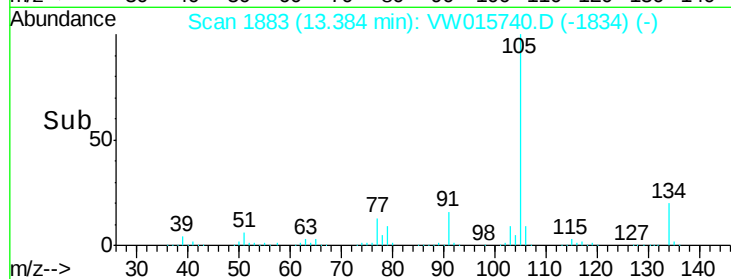
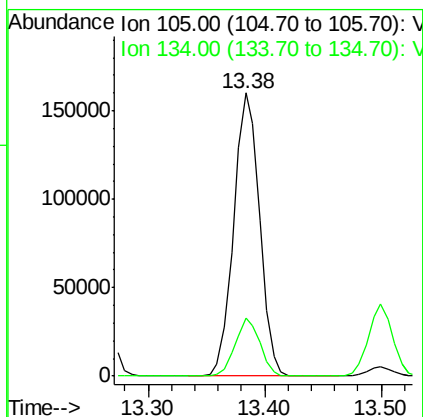
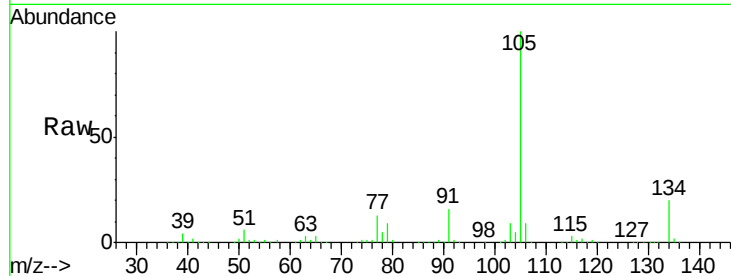




#85
 sec-Butylbenzene
 Concen: 22.186 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

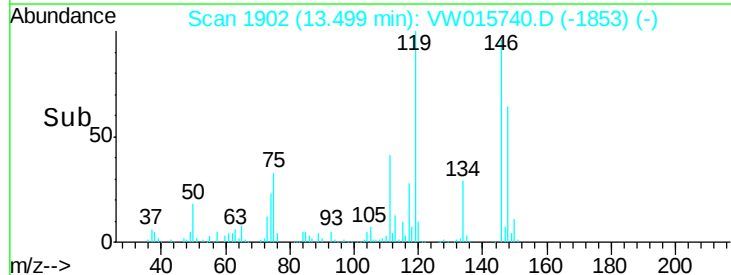
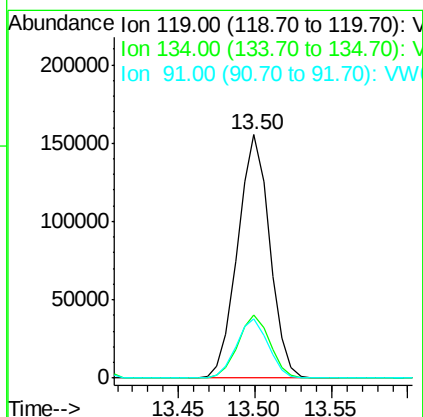
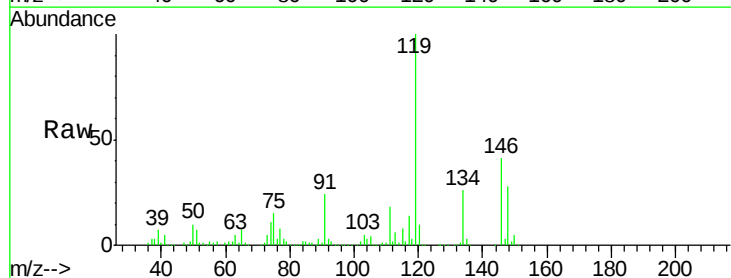
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0626SBS01

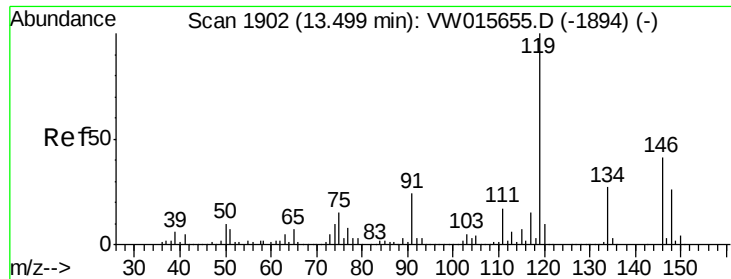
Tot Ion:105 Resp: 247852
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 22.212 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Tgt Ion:119 Resp: 225450
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.5 40.4
 91 24.2 12.3 36.8

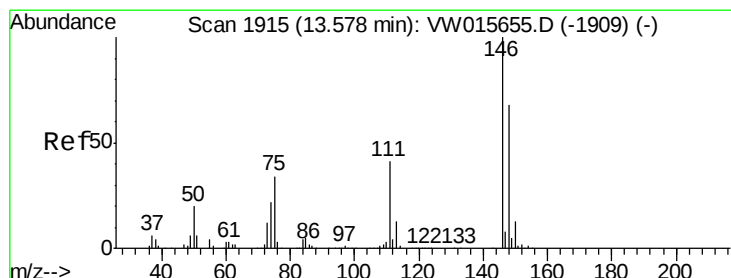
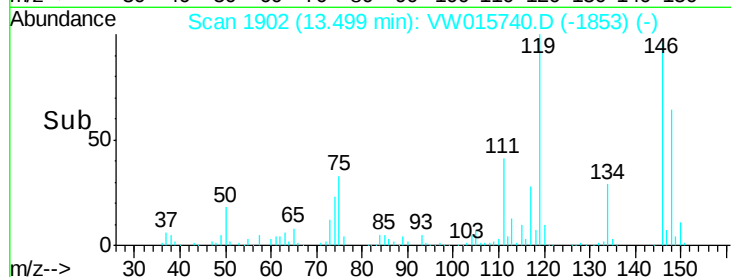
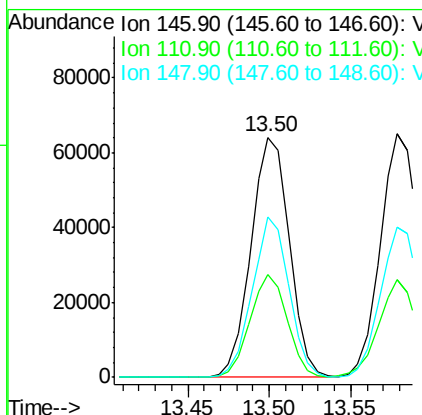
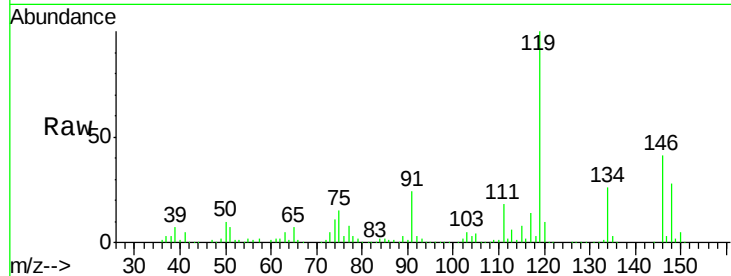




#87
 1,3-Dichlorobenzene
 Concen: 21.731 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

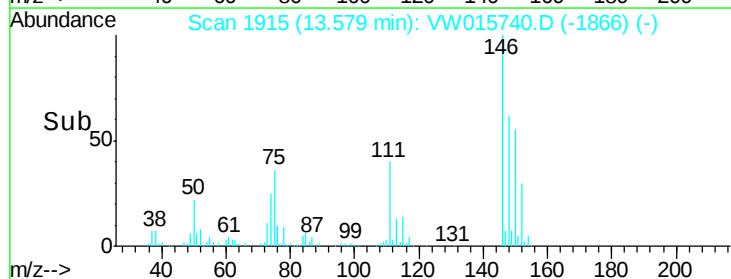
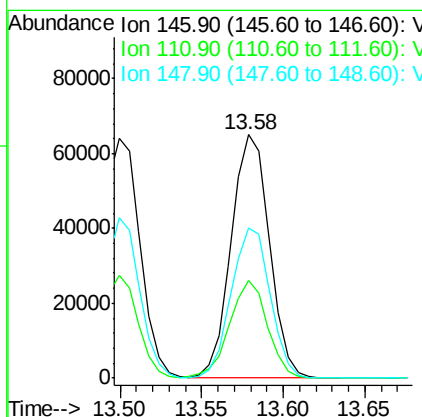
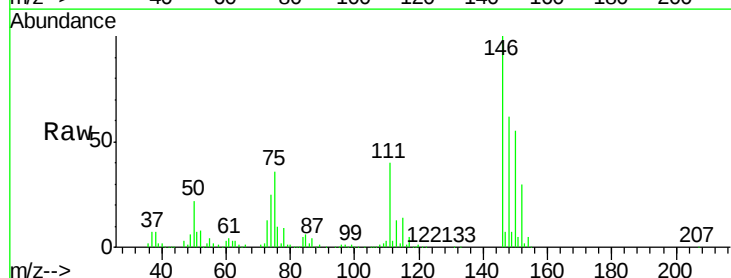
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0626SBS01

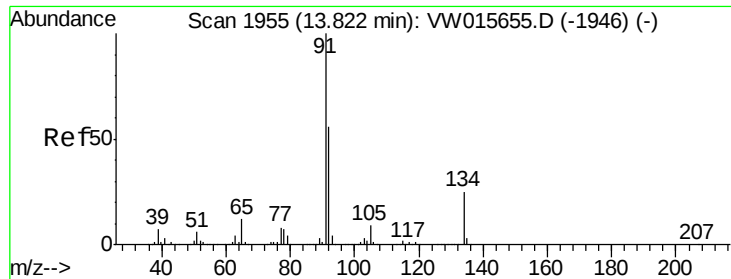
Tot Ion:146 Resp: 105023
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.3 60.8
 148 64.1 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 22.216 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015740.D
 Acq: 26 Jun 2020 11:07

Tgt Ion:146 Resp: 106339
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.3 60.9
 148 62.8 33.7 101.1

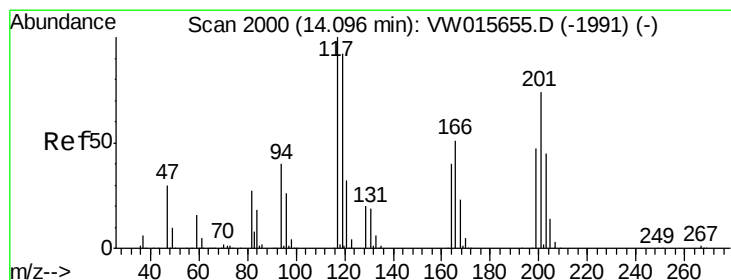
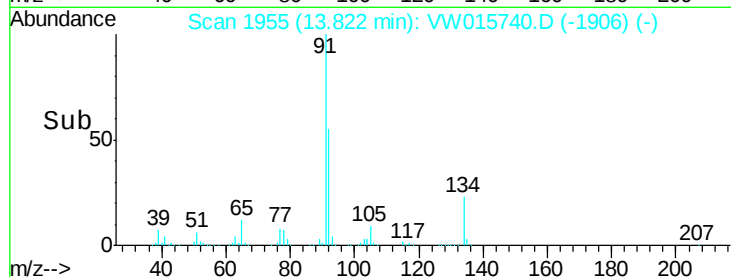
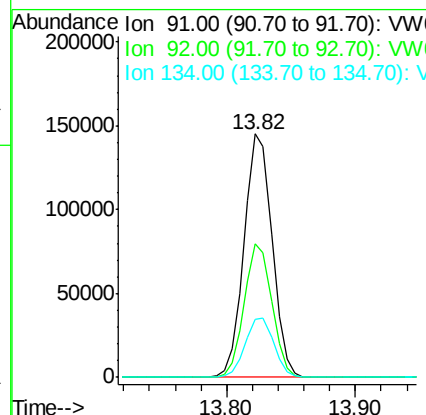
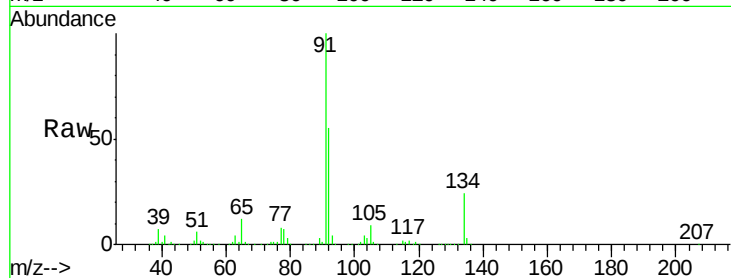




#89
n-Butylbenzene
Concen: 22.408 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

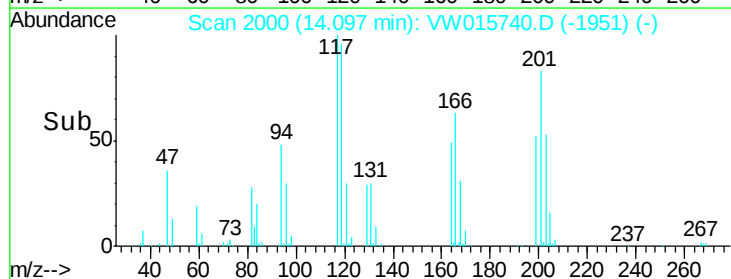
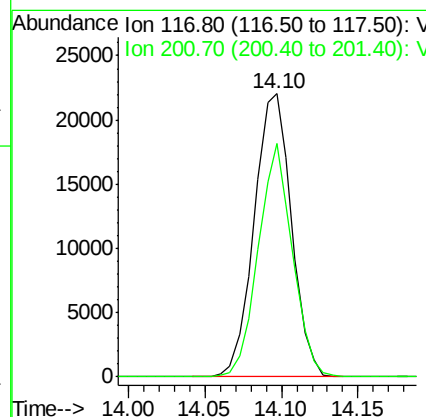
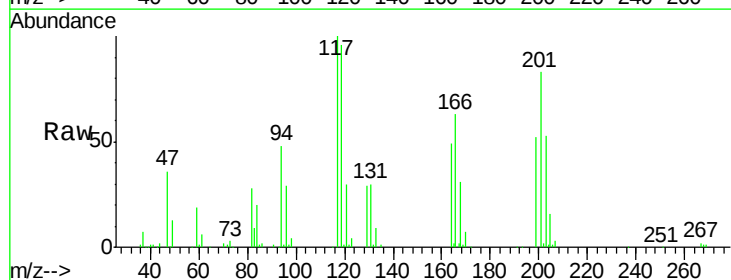
Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

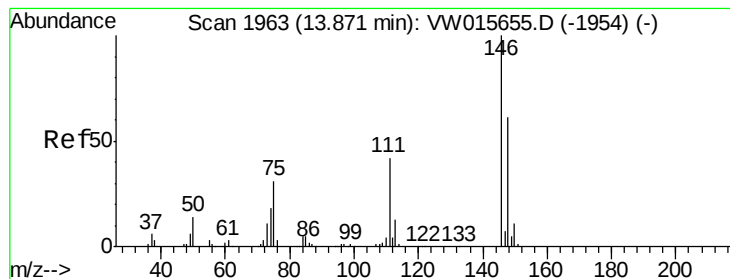
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.4
134	25.1	13.0	38.9



#90
Hexachloroethane
Concen: 20.704 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	37.1	111.5





#91

1,2-Dichlorobenzene

Concen: 21.980 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

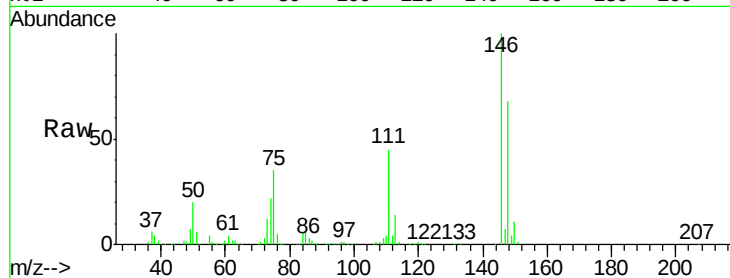
Tot Ion:146 Resp: 91847

Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.7

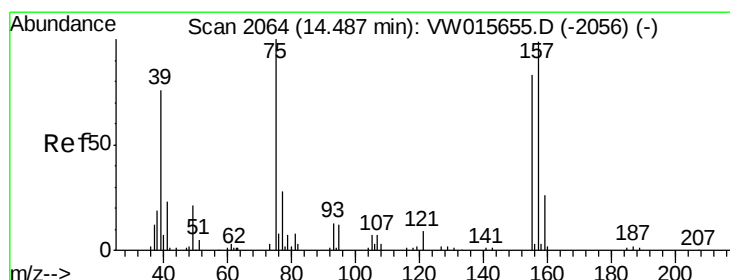
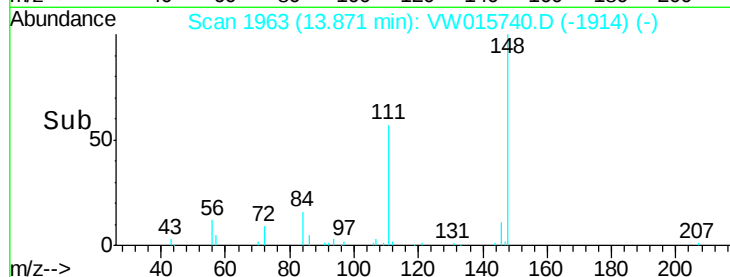
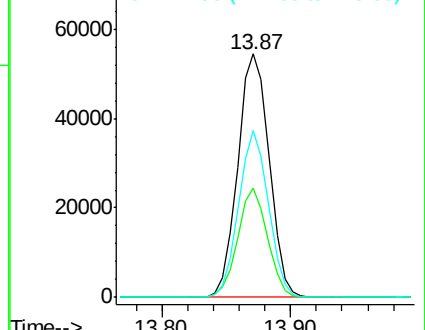
148 65.0 32.2 96.6



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: 20.776 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

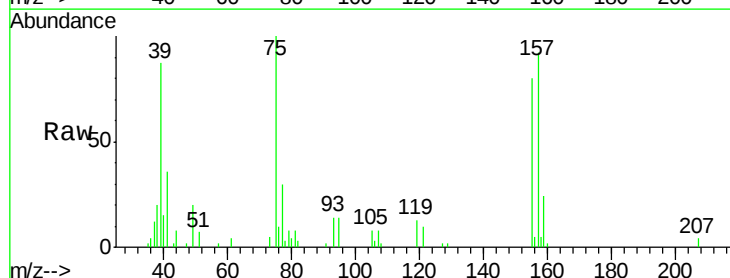
Tgt Ion: 75 Resp: 5811

Ion Ratio Lower Upper

75 100

155 77.0 40.8 122.2

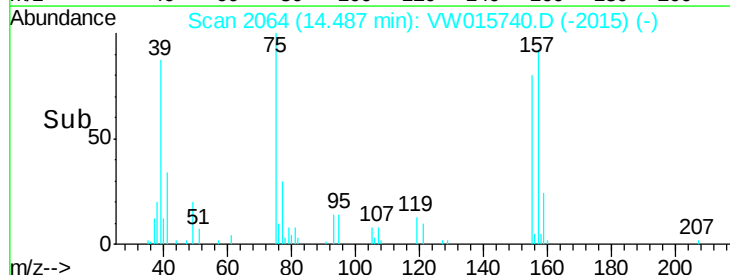
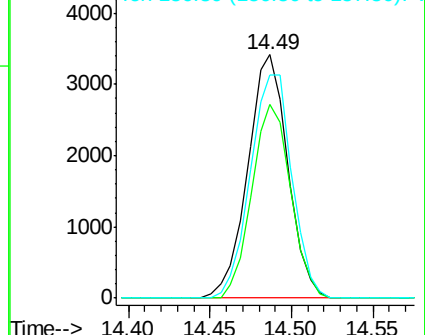
157 95.5 50.7 152.1

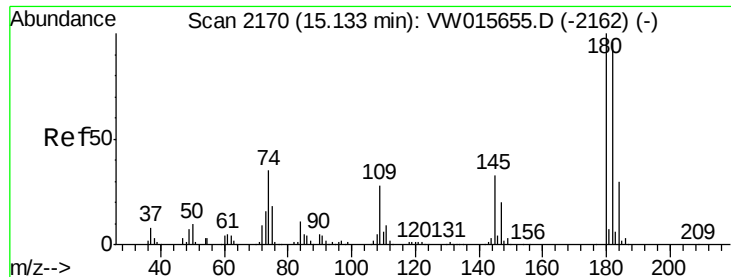


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

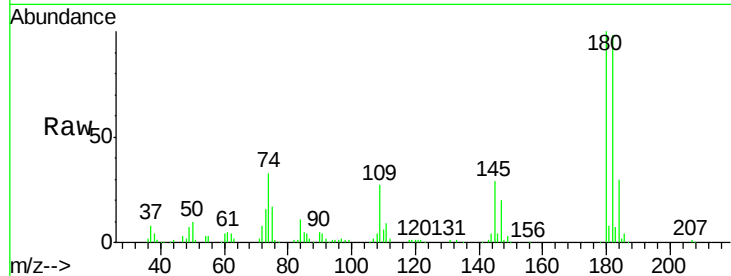




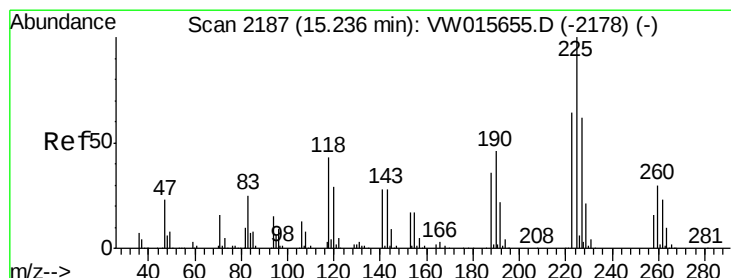
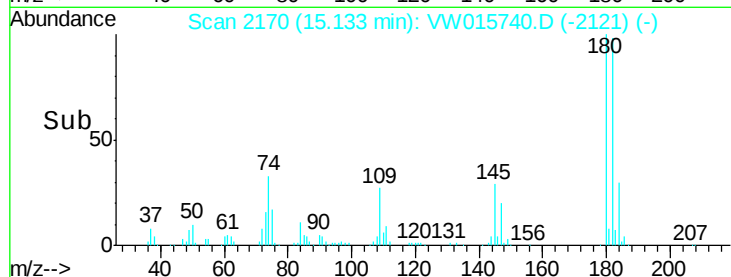
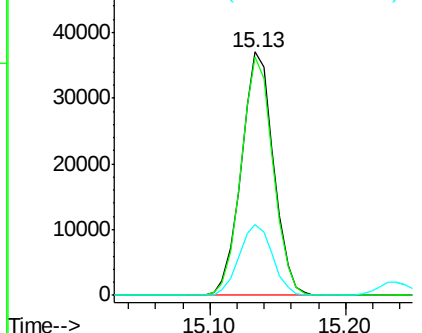
#93
1,2,4-Trichlorobenzene
Concen: 22.163 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Instrument :
MSVOA_W
ClientSampleId :
VW0626SBS01

Tot Ion:180 Resp: 61157
Ion Ratio Lower Upper
180 100
182 96.7 47.9 143.6
145 29.9 15.6 46.7

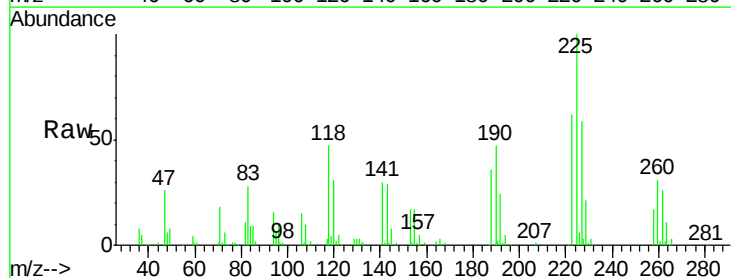


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

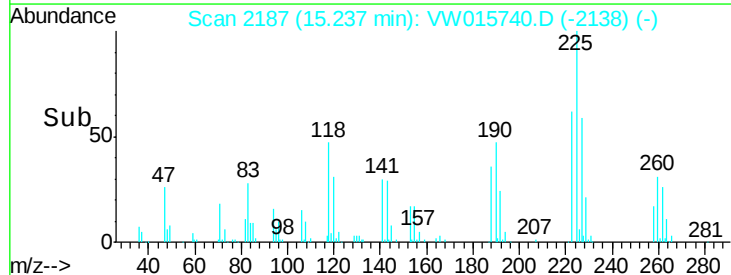
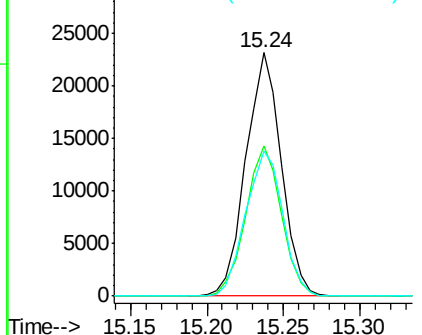


#94
Hexachlorobutadiene
Concen: 21.181 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW015740.D
Acq: 26 Jun 2020 11:07

Tgt Ion:225 Resp: 37235
Ion Ratio Lower Upper
225 100
223 62.3 31.0 93.0
227 62.5 31.9 95.9



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





#95

Naphthalene

Concen: 21.326 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

Instrument :

MSVOA_W

ClientSampleId :

VW0626SBS01

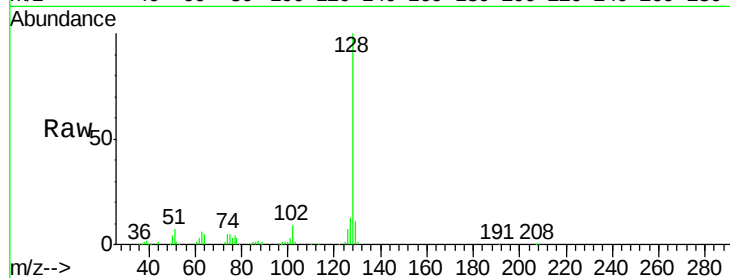
Tot Ion:128 Resp: 97330

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

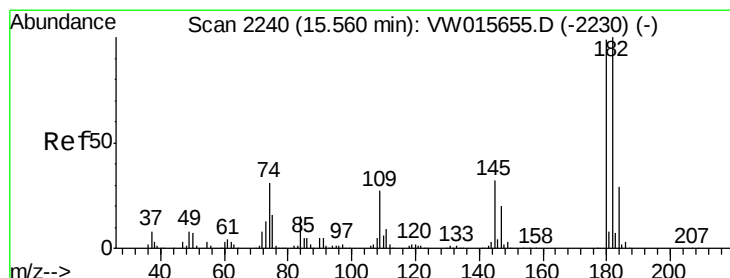
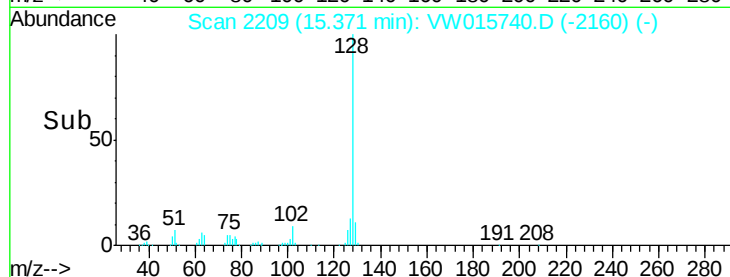
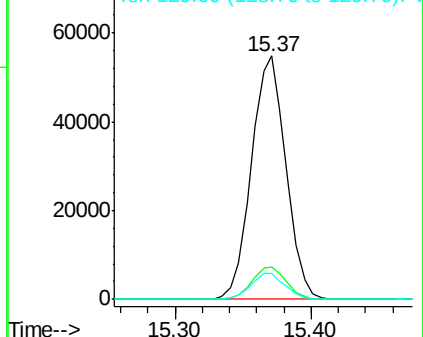
129 10.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.554 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015740.D

Acq: 26 Jun 2020 11:07

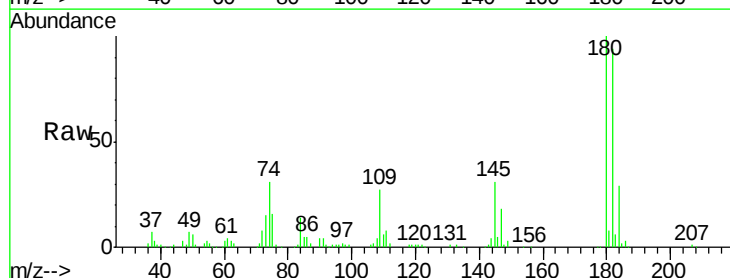
Tgt Ion:180 Resp: 51208

Ion Ratio Lower Upper

180 100

182 95.2 49.0 147.0

145 32.1 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

