

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015661.D
 Acq On : 23 Jun 2020 15:03
 Operator : SY/VA
 Sample : VW0623SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBSD01

Quant Time: Jun 24 03:05:20 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	214152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	341396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159037	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	119646	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.89	113	105373	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	10.33	98	431109	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.62	95	157415	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	24508	19.193	ug/l	95
3) Chloromethane	2.21	50	29263	19.516	ug/l	97
4) Vinyl Chloride	2.37	62	47674	19.667	ug/l	99
5) Bromomethane	2.78	94	37976	21.315	ug/l	96
6) Chloroethane	2.93	64	32200	20.185	ug/l	100
7) Trichlorofluoromethane	3.26	101	33921	18.637	ug/l	94
8) Diethyl Ether	3.68	74	21492	20.446	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42221	19.680	ug/l	99
10) Methyl Iodide	4.28	142	58530	19.294	ug/l	100
11) Tert butyl alcohol	5.21	59	14140	85.110	ug/l	97
12) 1,1-Dichloroethene	4.04	96	41513	19.872	ug/l	98
13) Acrolein	3.90	56	16900	102.101	ug/l	98
14) Allyl chloride	4.67	41	66532	19.631	ug/l	99
15) Acrylonitrile	5.38	53	42094	97.061	ug/l	98
16) Acetone	4.14	43	43136	95.230	ug/l	99
17) Carbon Disulfide	4.38	76	113536	18.884	ug/l	98
18) Methyl Acetate	4.68	43	20576	19.091	ug/l	99
19) Methyl tert-butyl Ether	5.44	73	63853	20.310	ug/l	95
20) Methylene Chloride	4.92	84	54493	22.155	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	47235	19.722	ug/l	95
22) Diisopropyl ether	6.32	45	135499	20.102	ug/l	97
23) Vinyl Acetate	6.26	43	392550	99.863	ug/l	99
24) 1,1-Dichloroethane	6.22	63	83173	19.602	ug/l	99
25) 2-Butanone	7.18	43	59538	97.253	ug/l	99
26) 2,2-Dichloropropane	7.17	77	56088	19.708	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	50898	19.755	ug/l	99
28) Bromochloromethane	7.52	49	33316	20.412	ug/l	98
29) Tetrahydrofuran	7.54	42	35733	99.327	ug/l	99
30) Chloroform	7.68	83	84797	19.486	ug/l	97
31) Cyclohexane	7.96	56	78750	19.187	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	73501	19.815	ug/l	98
36) 1,1-Dichloropropene	8.09	75	69793	19.655	ug/l	100
37) Ethyl Acetate	7.26	43	26979	19.899	ug/l	100
38) Carbon Tetrachloride	8.07	117	66265	19.252	ug/l	96

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 Misc : 5.00G/5ML/MSVOA W/SOIL
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	84622	19.675	ug/l	99
40) Benzene	8.33	78	190859	19.768	ug/l	99
41) Methacrylonitrile	7.49	41	15939	20.484	ug/l	96
42) 1,2-Dichloroethane	8.40	62	59728	19.997	ug/l	100
43) Isopropyl Acetate	8.43	43	54640	20.195	ug/l	99
44) Trichloroethene	9.09	130	50902	19.560	ug/l	97
45) 1,2-Dichloropropane	9.37	63	46082	19.526	ug/l	99
46) Dibromomethane	9.46	93	23622	19.346	ug/l	99
47) Bromodichloromethane	9.65	83	61938	19.447	ug/l	97
48) Methyl methacrylate	9.44	41	25105	20.296	ug/l	98
49) 1,4-Dioxane	9.47	88	6401	399.609	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	131903	101.092	ug/l	100
52) Toluene	10.39	92	123671	19.837	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	59882	19.461	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	72103	19.616	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34315	20.212	ug/l	98
56) Ethyl methacrylate	10.65	69	43258	20.478	ug/l	99
57) 1,3-Dichloropropane	10.93	76	60082	19.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	105895	105.934	ug/l	100
59) 2-Hexanone	10.97	43	90741	102.153	ug/l	100
60) Dibromochloromethane	11.13	129	39148	19.788	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32808	20.217	ug/l	99
64) Tetrachloroethene	10.87	164	43279	19.851	ug/l	97
65) Chlorobenzene	11.66	112	130720	19.979	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45432	19.804	ug/l	99
67) Ethyl Benzene	11.73	91	244188	20.053	ug/l	99
68) m/p-Xylenes	11.84	106	180378	39.449	ug/l	99
69) o-Xylene	12.17	106	84734	20.155	ug/l	99
70) Styrene	12.18	104	143171	19.932	ug/l	100
71) Bromoform	12.35	173	20287	19.219	ug/l #	98
73) Isopropylbenzene	12.47	105	238890	19.691	ug/l	100
74) N-amyl acetate	12.27	43	51362	19.971	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	37932	19.544	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49868	34.376	ug/l	29
77) Bromobenzene	12.75	156	53885	19.919	ug/l	98
78) n-propylbenzene	12.80	91	288739	19.772	ug/l	100
79) 2-Chlorotoluene	12.90	91	164180	19.967	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	201761	19.627	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10699	18.586	ug/l	91
82) 4-Chlorotoluene	12.99	91	169869	19.528	ug/l	99
83) tert-Butylbenzene	13.21	119	173416	19.966	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	203980	19.897	ug/l	99
85) sec-Butylbenzene	13.38	105	249000	20.059	ug/l	100
86) p-Isopropyltoluene	13.50	119	225608	20.004	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107799	20.074	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	105885	19.908	ug/l	98
89) n-Butylbenzene	13.82	91	216531	19.999	ug/l	99
90) Hexachloroethane	14.10	117	39238	19.549	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	92928	20.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6309	20.300	ug/l	96

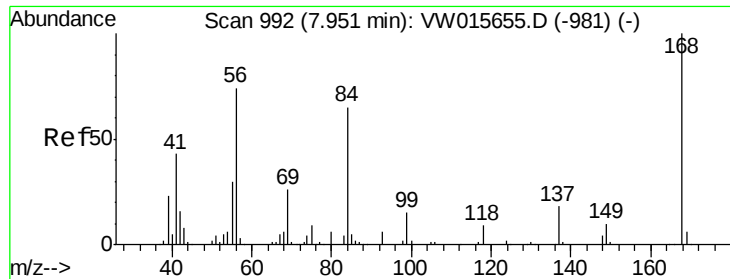
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062320\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62624	20.424	ug/l	100
94) Hexachlorobutadiene	15.24	225	38098	19.504	ug/l	98
95) Naphthalene	15.37	128	103641	20.436	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	52393	19.846	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

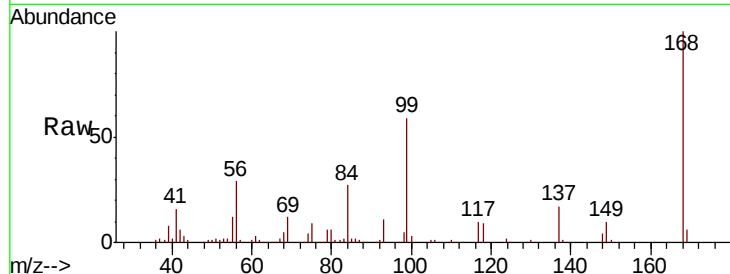
VW0623SBSD01

Tot Ion:168 Resp: 214152

Ion Ratio Lower Upper

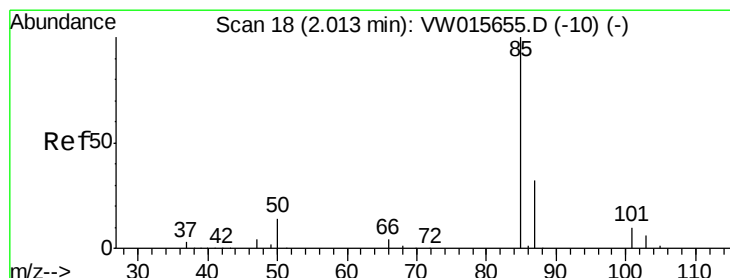
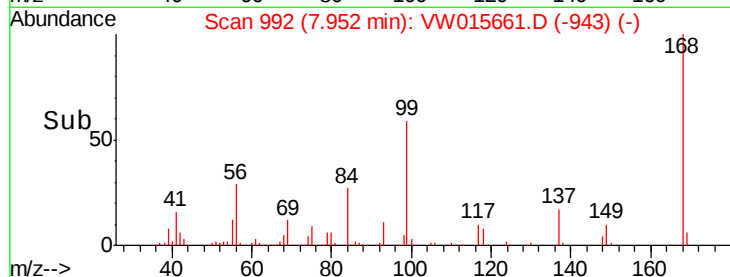
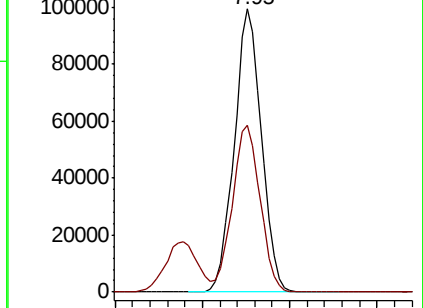
168 100

99 59.2 48.6 73.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.193 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015661.D

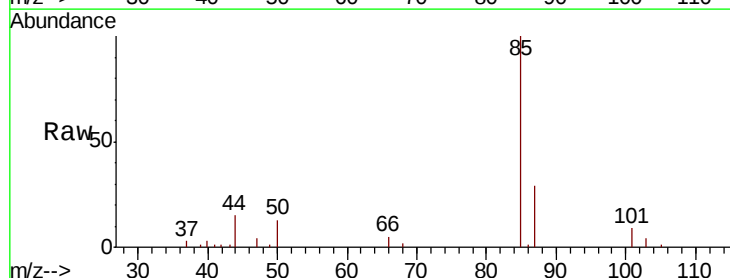
Acq: 23 Jun 2020 15:03

Tgt Ion: 85 Resp: 24508

Ion Ratio Lower Upper

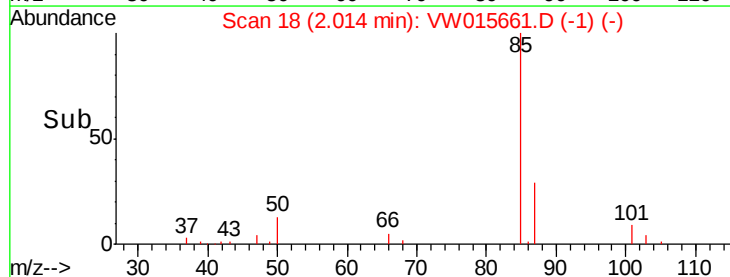
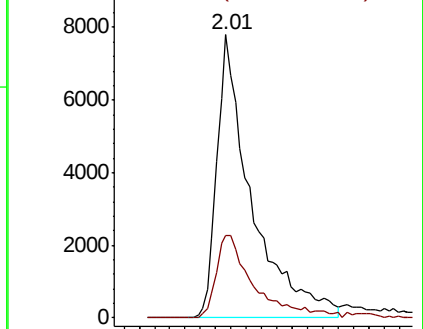
85 100

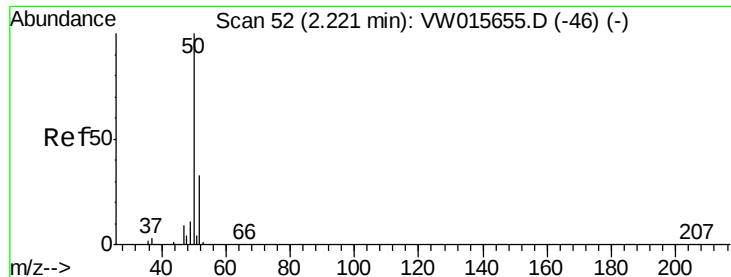
87 29.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.516 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

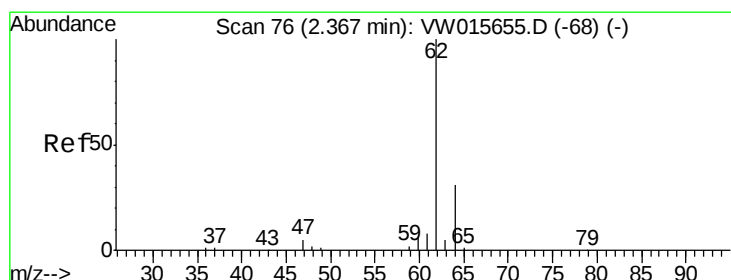
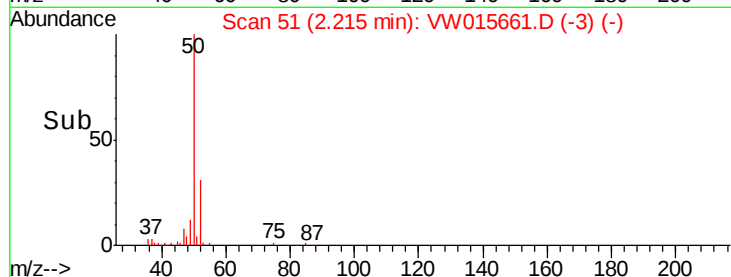
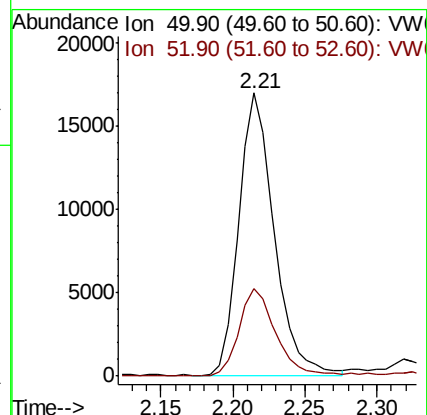
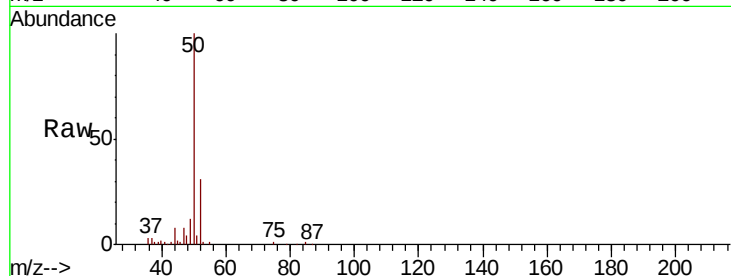
VW0623SBSD01

Tot Ion: 50 Resp: 29263

Ion Ratio Lower Upper

50 100

52 31.1 26.0 39.0



#4

Vinyl Chloride

Concen: 19.667 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015661.D

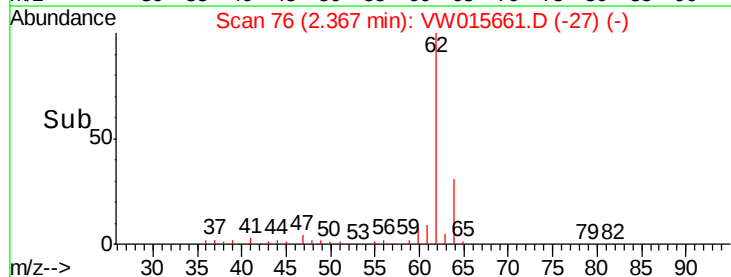
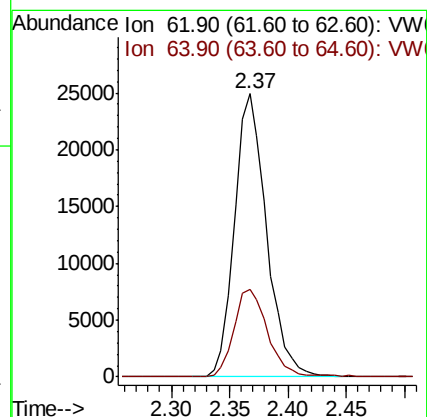
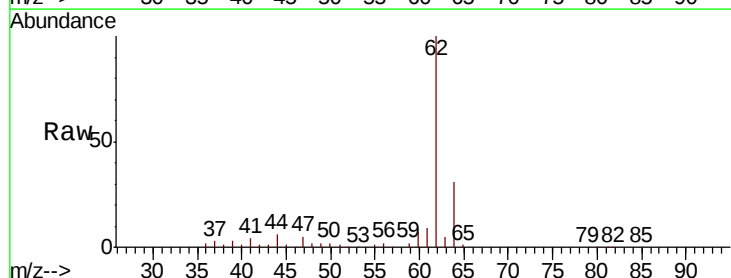
Acq: 23 Jun 2020 15:03

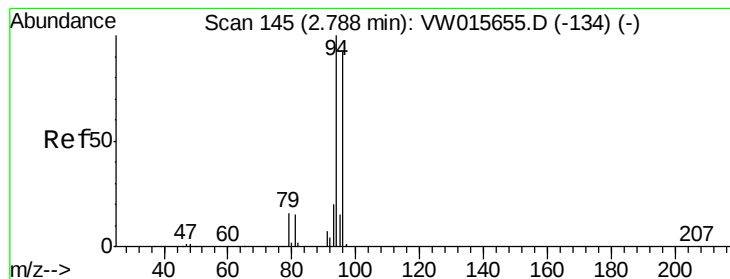
Tgt Ion: 62 Resp: 47674

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7





#5

Bromomethane

Concen: 21.315 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

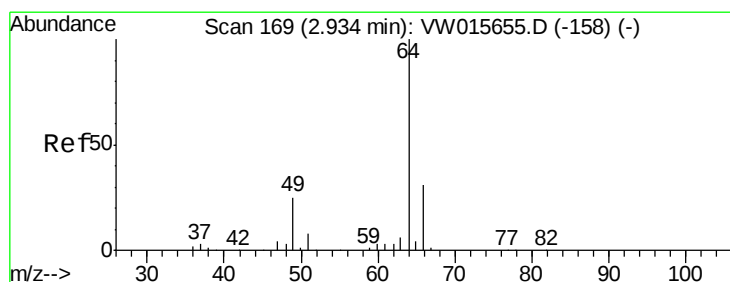
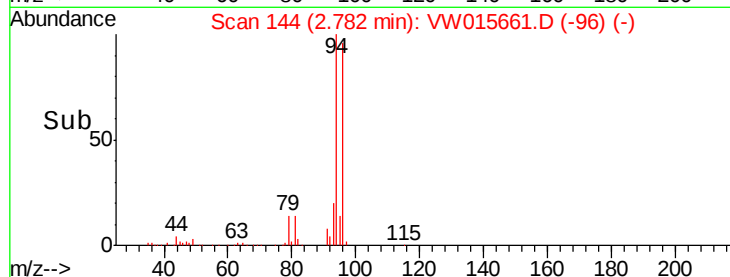
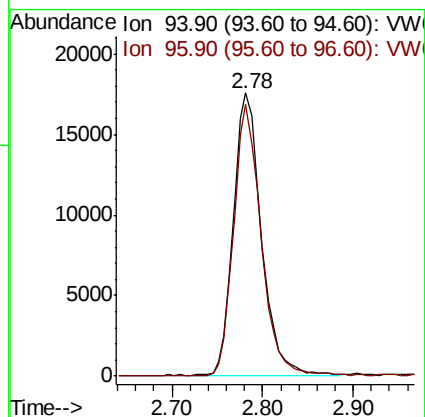
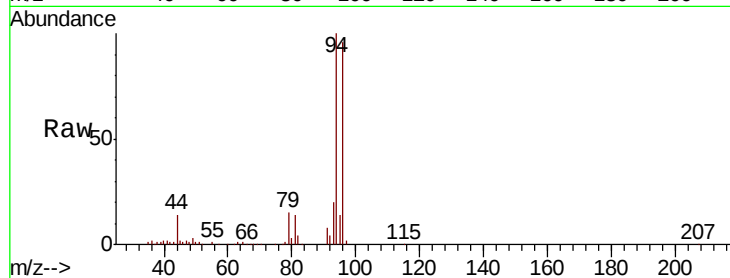
VW0623SBSD01

Tot Ion: 94 Resp: 37976

Ion Ratio Lower Upper

94 100

96 95.9 73.8 110.6



#6

Chloroethane

Concen: 20.185 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW015661.D

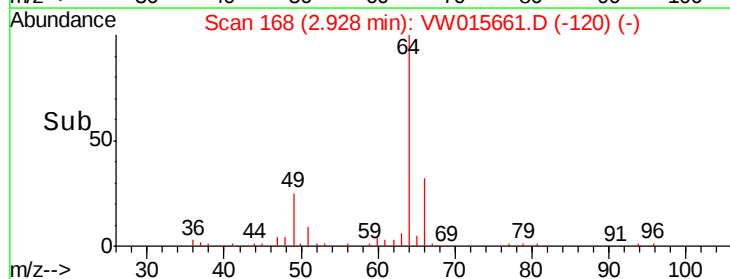
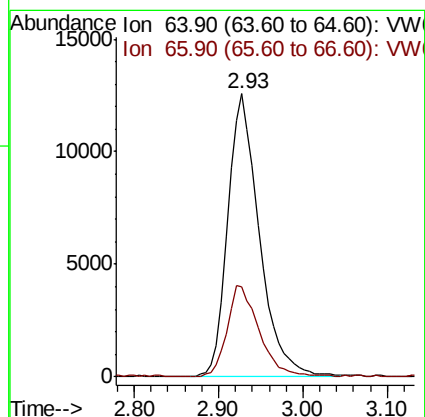
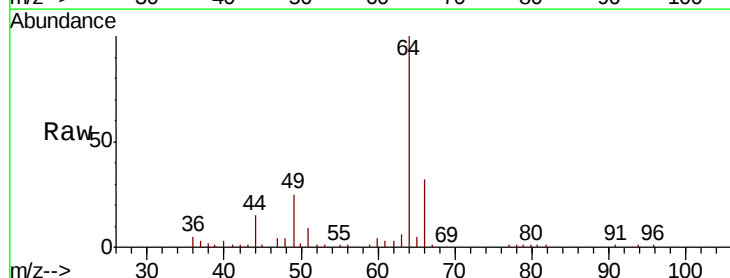
Acq: 23 Jun 2020 15:03

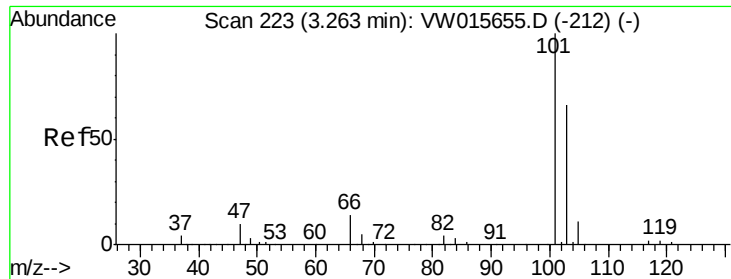
Tgt Ion: 64 Resp: 32200

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



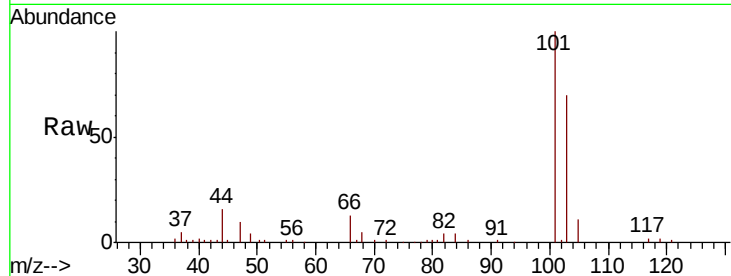


#7

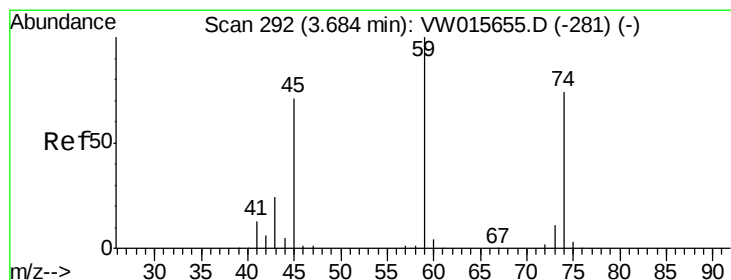
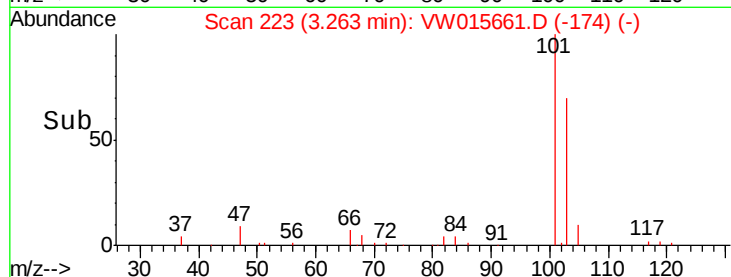
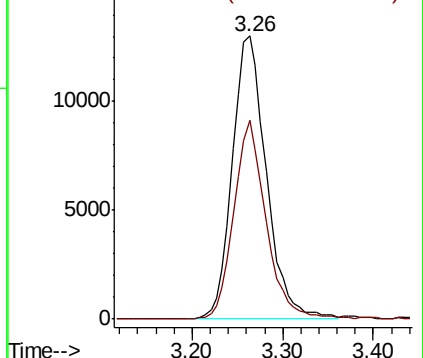
Trichlorofluoromethane
 Concen: 18.637 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion:101 Resp: 33921
 Ion Ratio Lower Upper
 101 100
 103 70.1 52.6 78.8



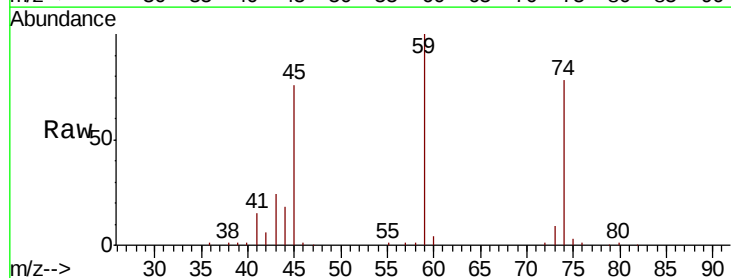
Abundance Ion 100.90 (100.60 to 101.60): V
 15000 Ion 102.80 (102.50 to 103.50): V



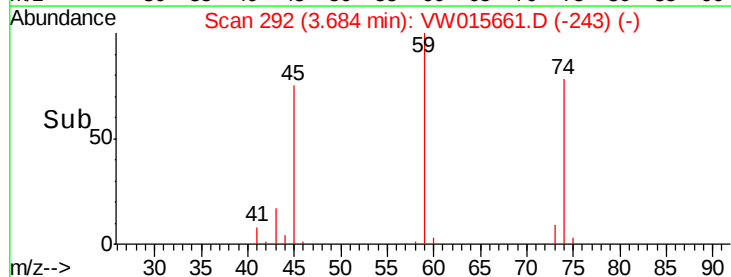
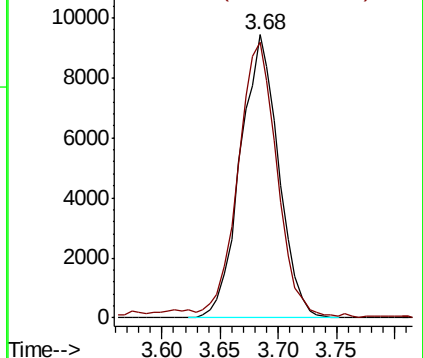
#8

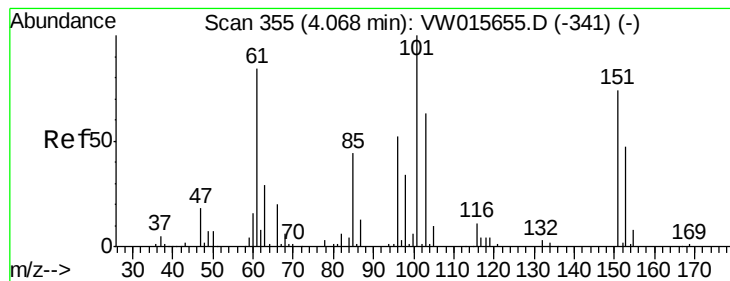
Diethyl Ether
 Concen: 20.446 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 74 Resp: 21492
 Ion Ratio Lower Upper
 74 100
 45 100.4 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VW
 10000 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.680 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBSD01

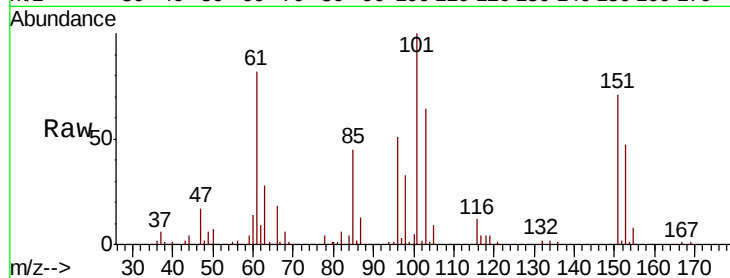
Tot Ion:101 Resp: 42221

Ion Ratio Lower Upper

101 100

85 45.9 36.6 55.0

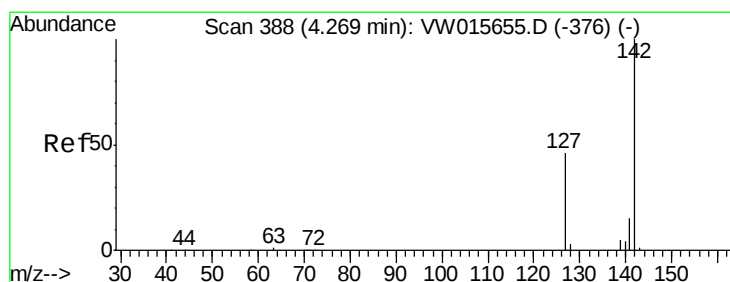
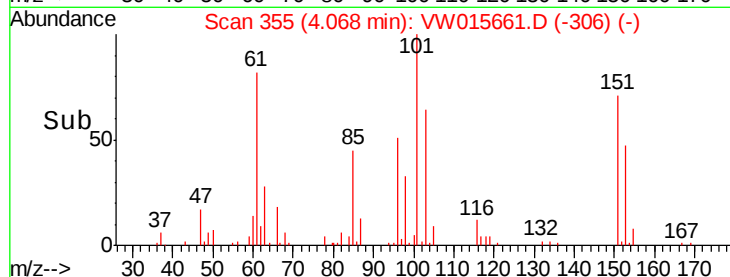
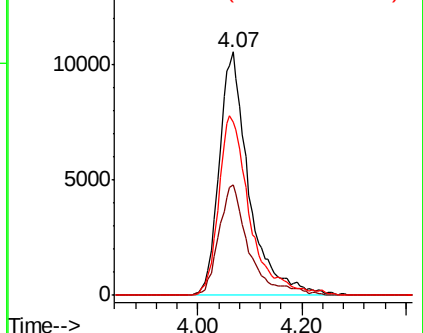
151 77.4 60.4 90.6



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: 19.294 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

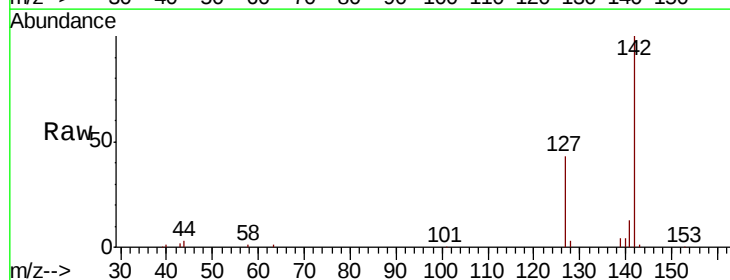
Tgt Ion:142 Resp: 58530

Ion Ratio Lower Upper

142 100

127 45.9 36.4 54.6

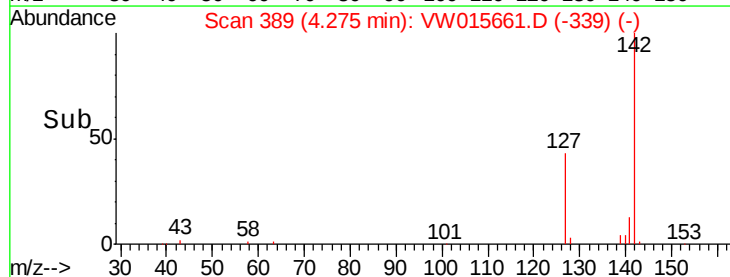
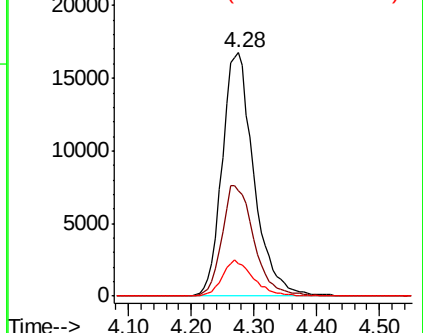
141 14.5 11.6 17.4

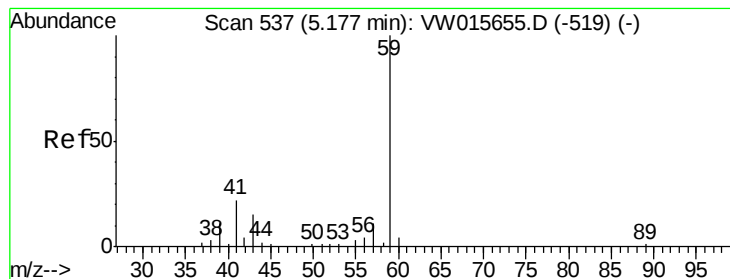


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



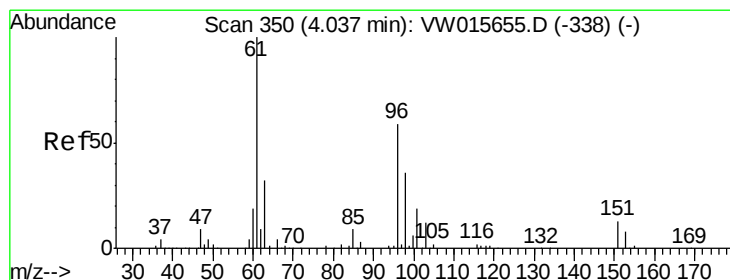
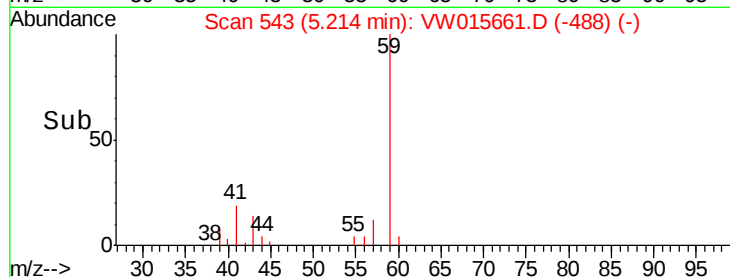
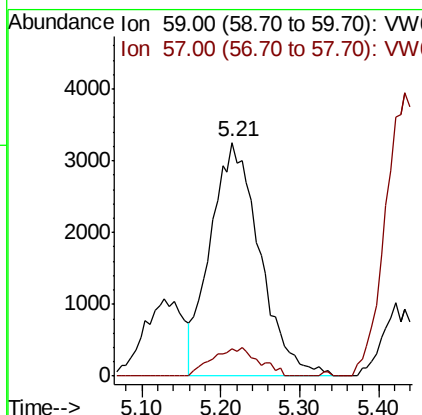
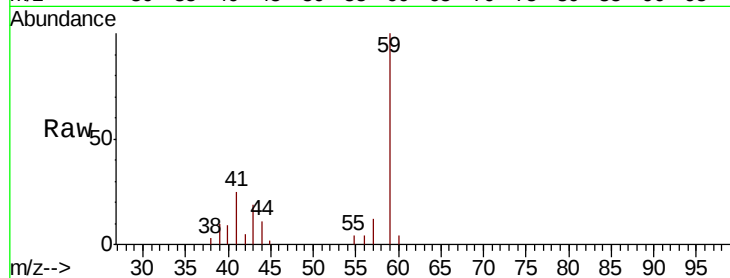


#11

Tert butyl alcohol
 Concen: 85.110 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.04 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

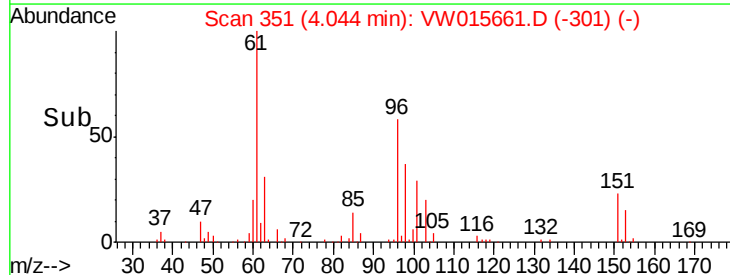
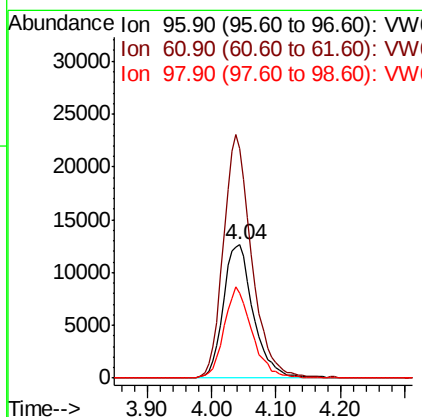
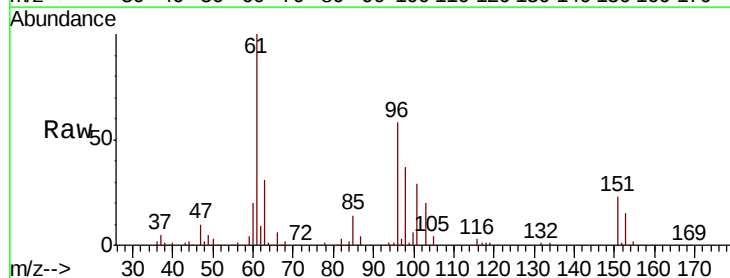
Tot Ion: 59 Resp: 14140
 Ion Ratio Lower Upper
 59 100
 57 11.5 8.4 12.6

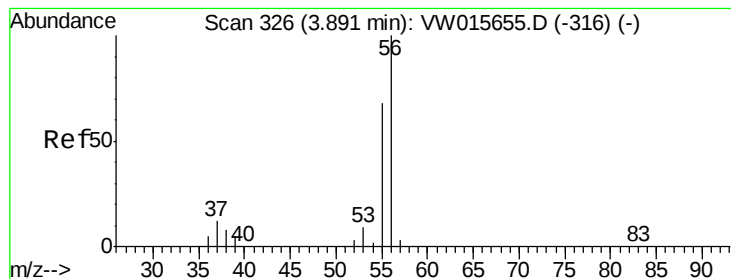


#12

1,1-Dichloroethene
 Concen: 19.872 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 96 Resp: 41513
 Ion Ratio Lower Upper
 96 100
 61 172.4 136.7 205.1
 98 63.9 49.2 73.8





#13

Acrolein

Concen: 102.101 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

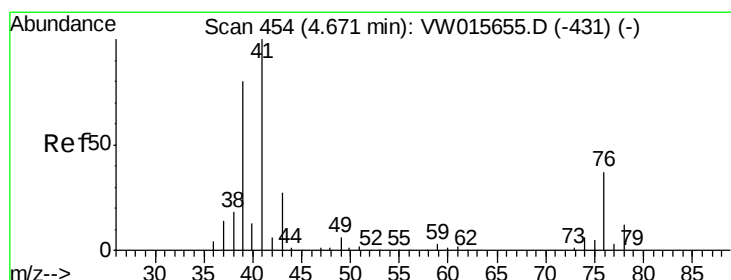
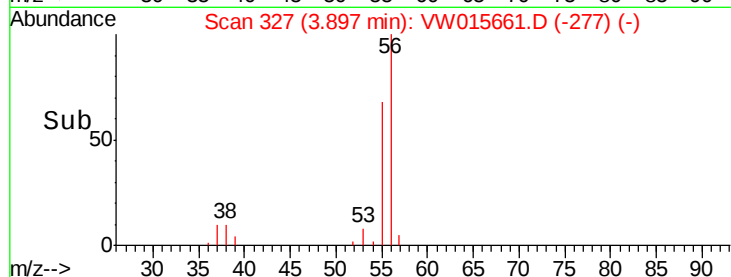
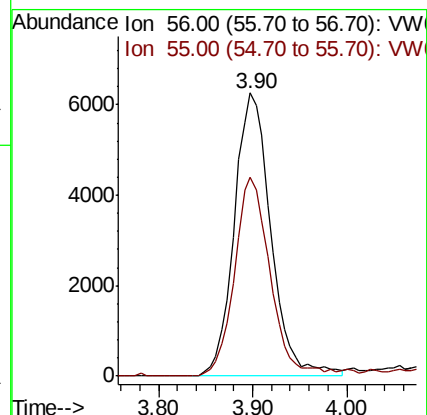
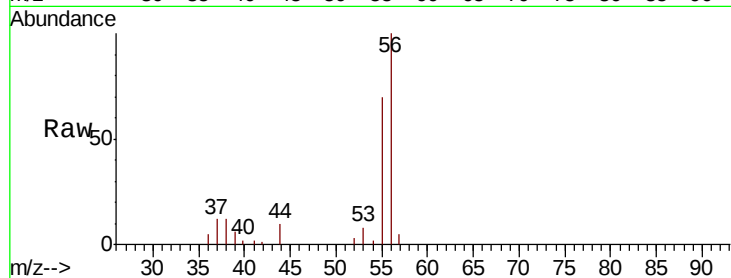
VW0623SBSD01

Tot Ion: 56 Resp: 16900

Ion Ratio Lower Upper

56 100

55 68.4 56.2 84.2



#14

Allyl chloride

Concen: 19.631 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

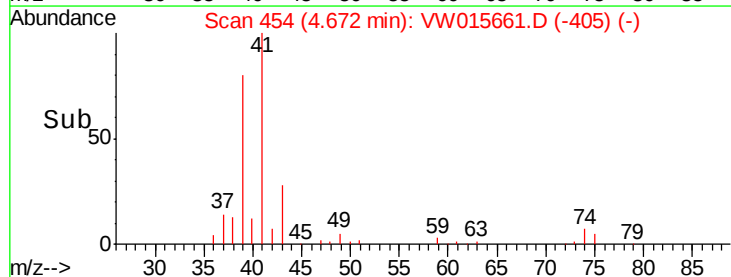
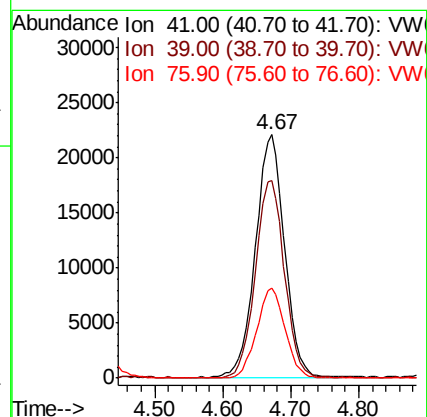
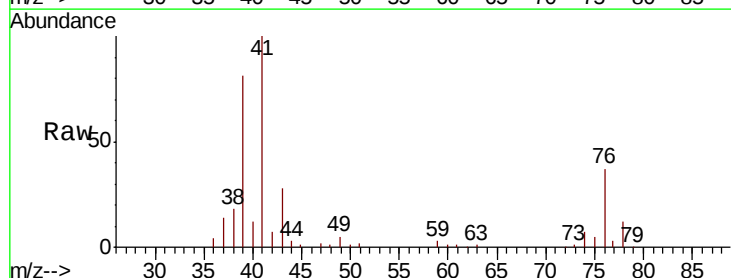
Tgt Ion: 41 Resp: 66532

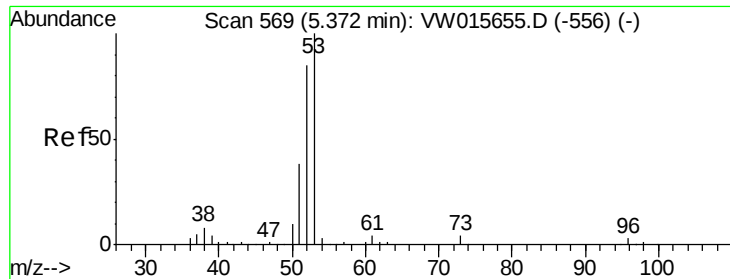
Ion Ratio Lower Upper

41 100

39 80.6 64.6 97.0

76 35.6 29.1 43.7





#15

Acrylonitrile

Concen: 97.061 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

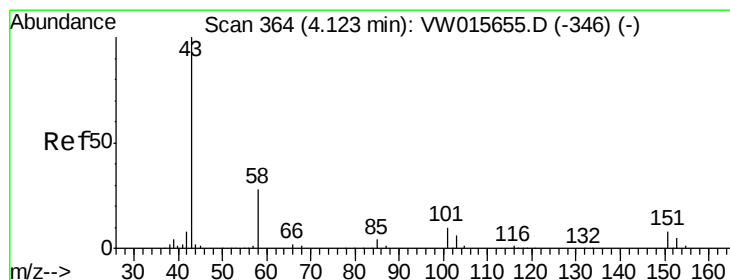
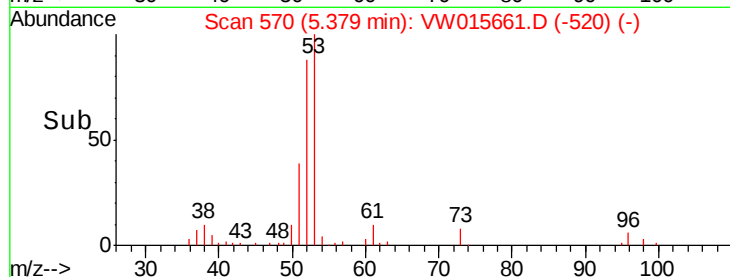
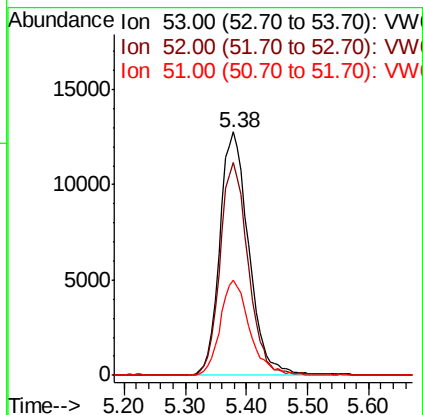
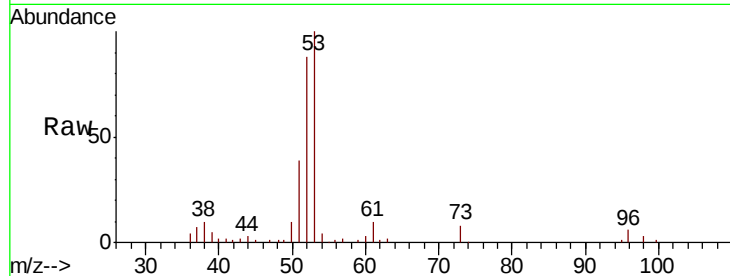
Tot Ion: 53 Resp: 42094

Ion Ratio Lower Upper

53 100

52 84.1 65.8 98.6

51 39.3 30.7 46.1



#16

Acetone

Concen: 95.230 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015661.D

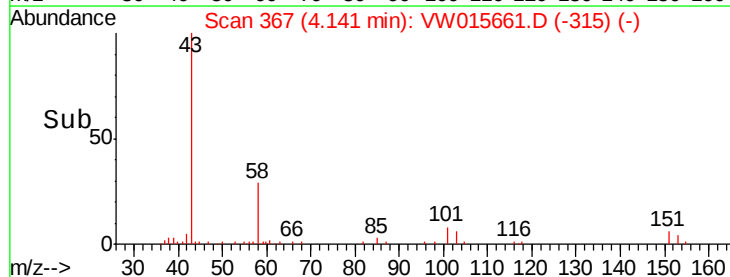
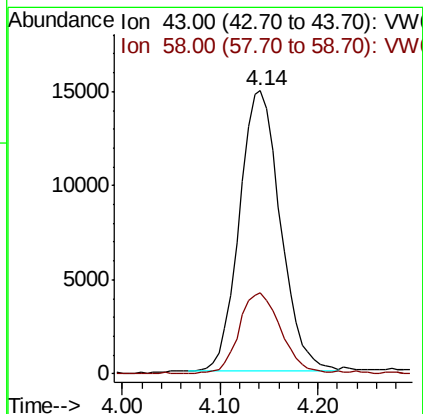
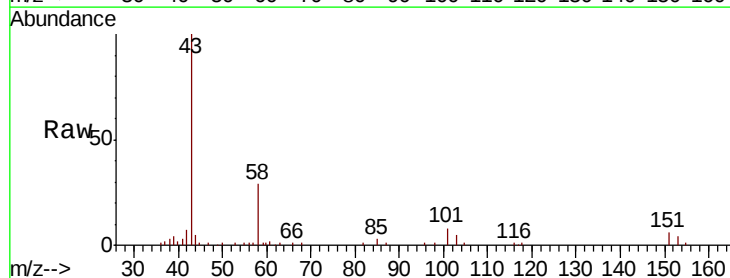
Acq: 23 Jun 2020 15:03

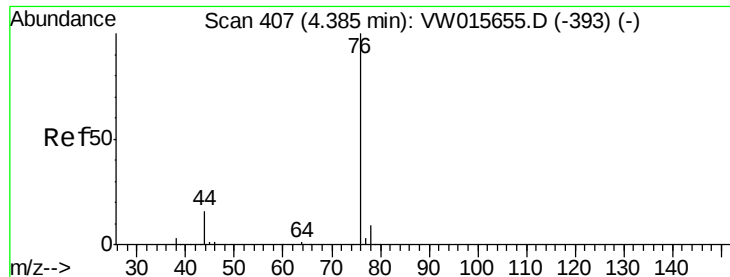
Tgt Ion: 43 Resp: 43136

Ion Ratio Lower Upper

43 100

58 28.9 22.6 33.8

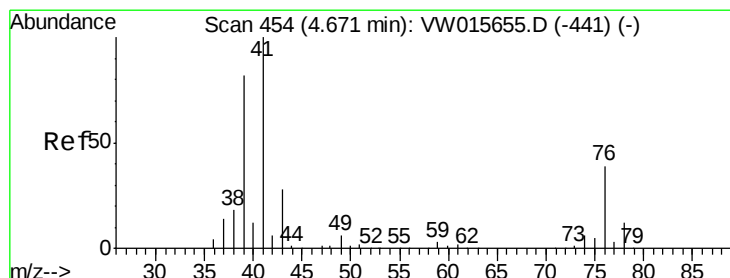
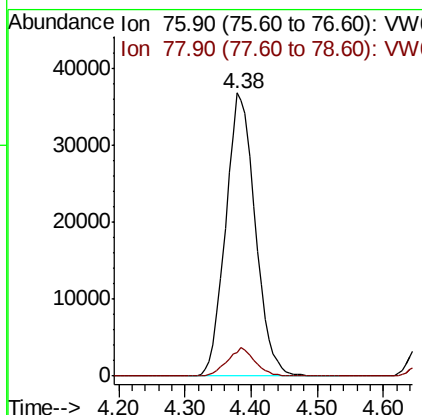
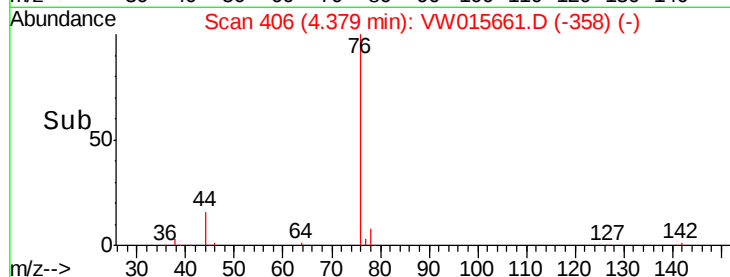
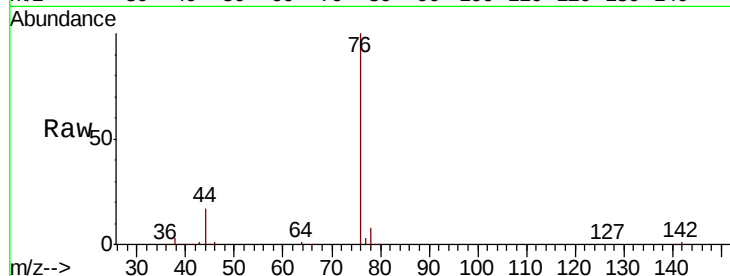




#17
Carbon Disulfide
Concen: 18.884 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

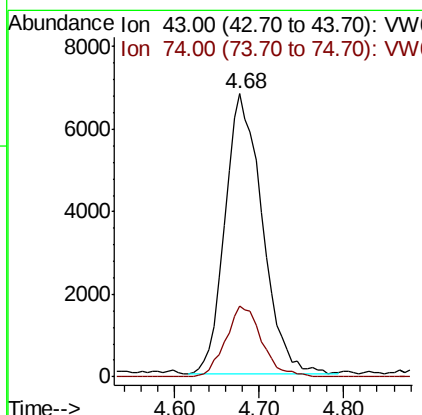
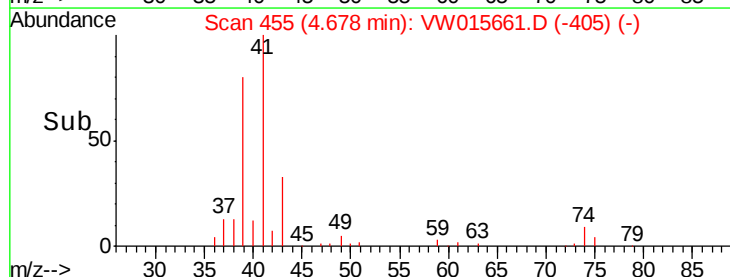
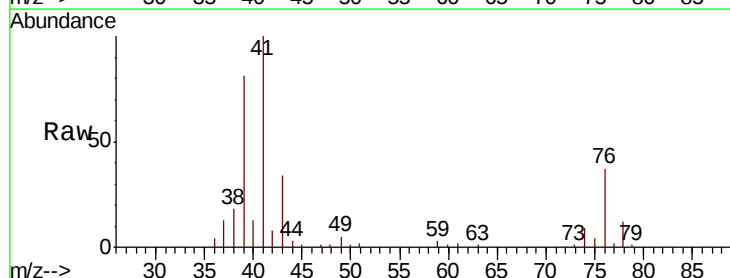
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

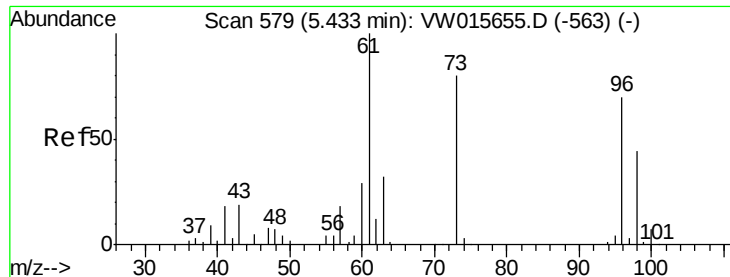
Tot Ion: 76 Resp: 113536
Ion Ratio Lower Upper
76 100
78 8.2 7.2 10.8



#18
Methyl Acetate
Concen: 19.091 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 43 Resp: 20576
Ion Ratio Lower Upper
43 100
74 24.2 19.0 28.6

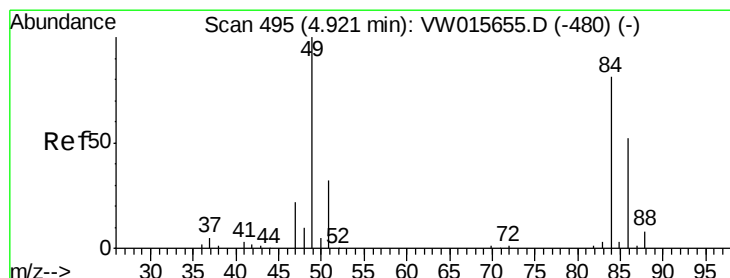
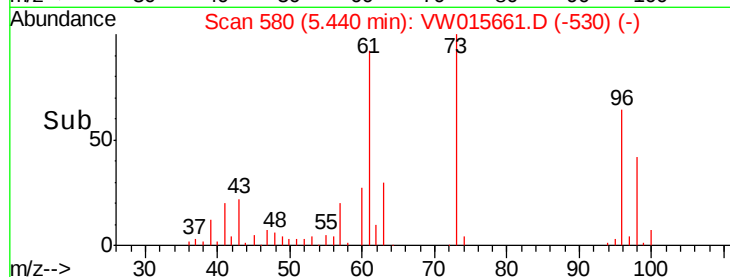
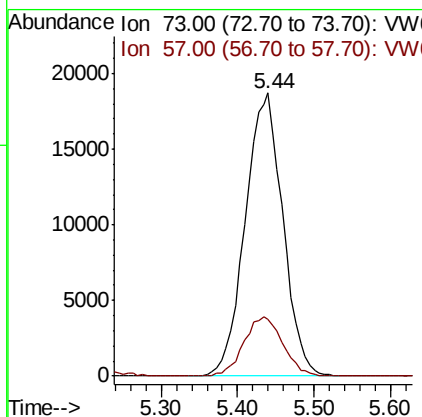
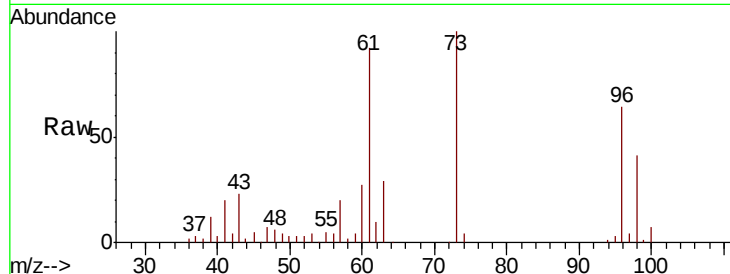




#19
Methyl tert-butyl Ether
Concen: 20.310 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

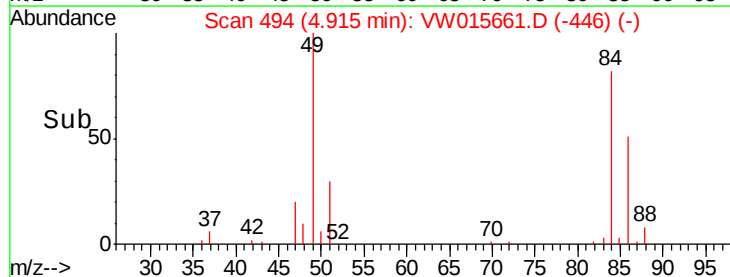
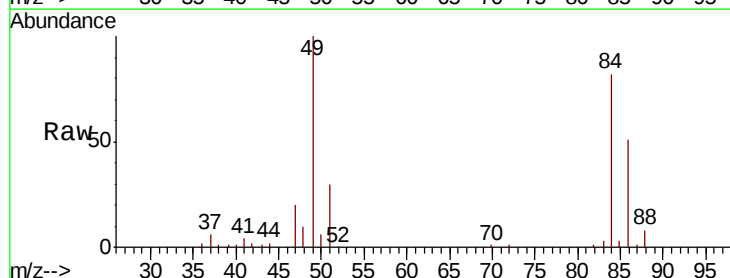
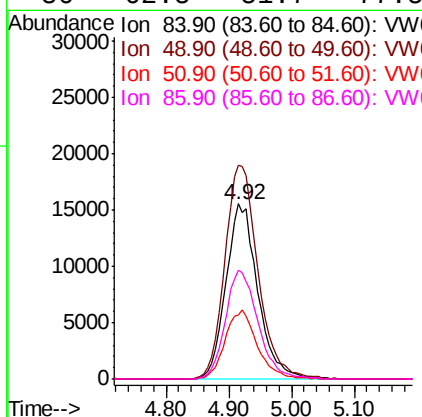
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

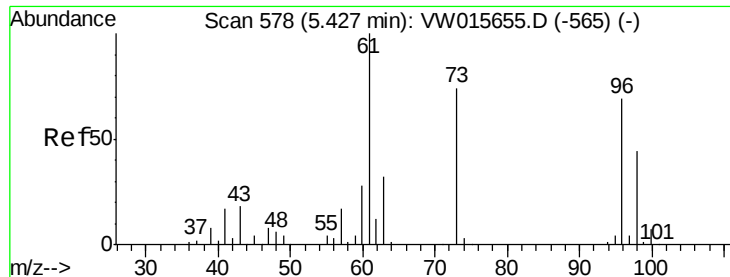
Tot Ion: 73 Resp: 63853
Ion Ratio Lower Upper
73 100
57 20.1 18.1 27.1



#20
Methylene Chloride
Concen: 22.155 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 84 Resp: 54493
Ion Ratio Lower Upper
84 100
49 122.0 99.3 148.9
51 36.8 31.8 47.6
86 62.5 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 19.722 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBSD01

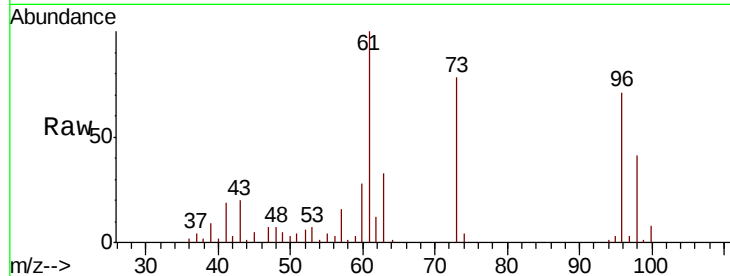
Tot Ion: 96 Resp: 47235

Ion Ratio Lower Upper

96 100

61 140.3 116.2 174.2

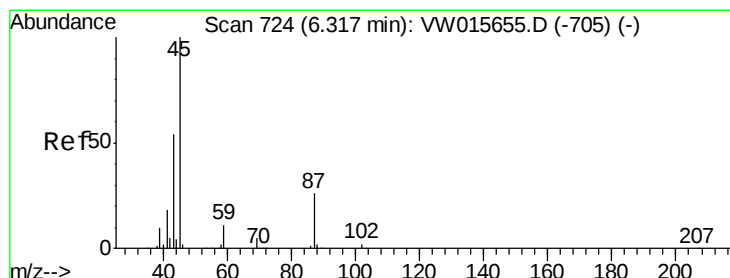
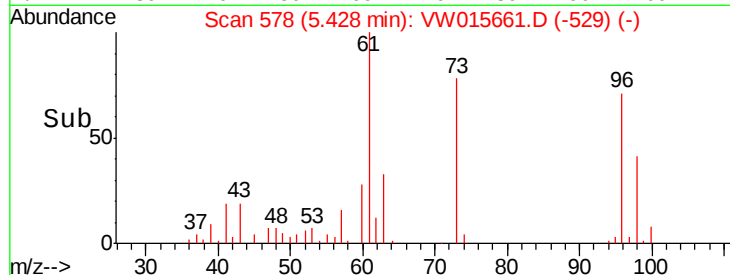
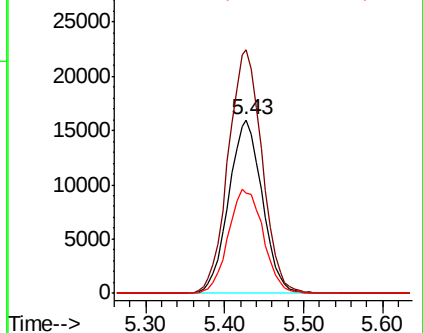
98 57.6 51.4 77.0



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



#22

Diisopropyl ether

Concen: 20.102 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion: 45 Resp: 135499

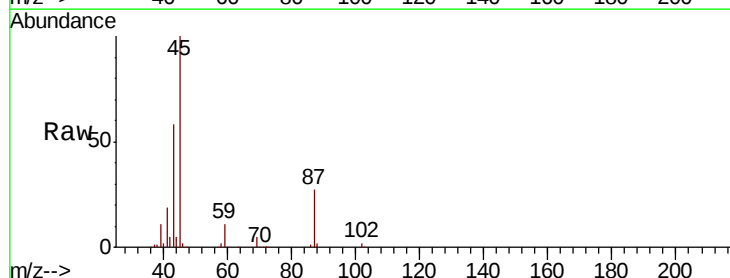
Ion Ratio Lower Upper

45 100

43 57.7 43.9 65.9

87 26.9 21.2 31.8

59 10.8 9.2 13.8

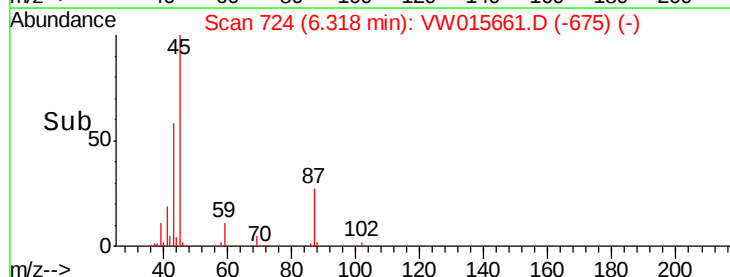
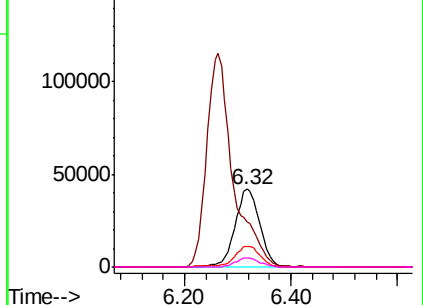


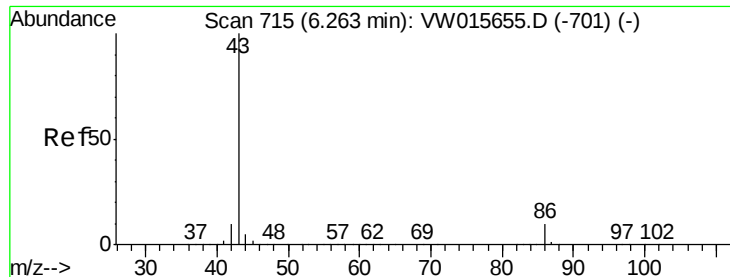
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 99.863 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

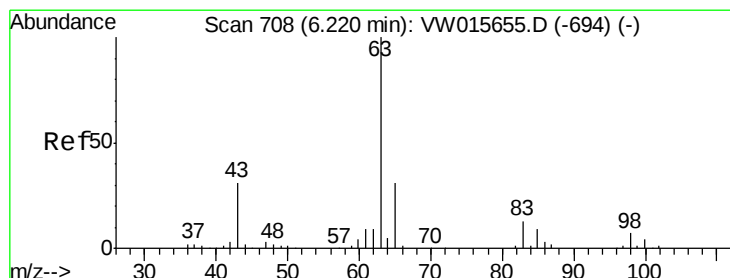
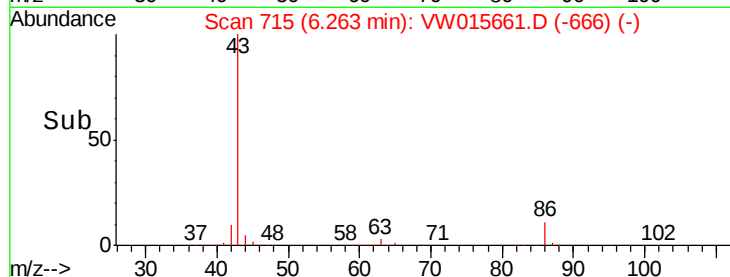
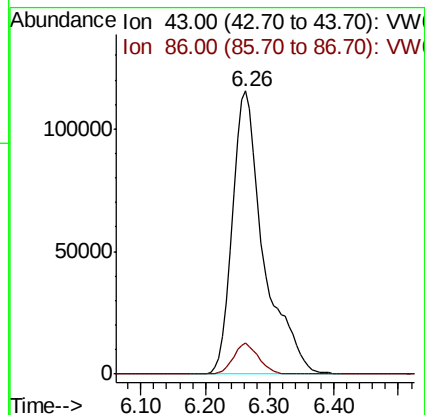
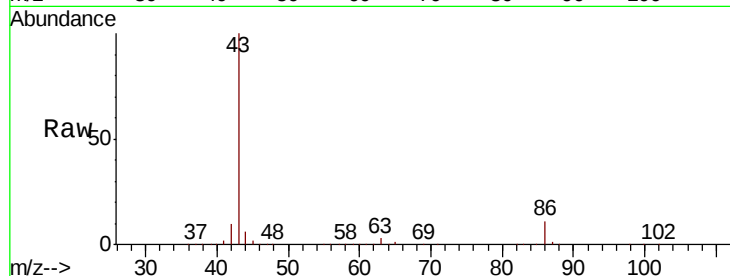
VW0623SBS01

Tot Ion: 43 Resp: 392550

Ion Ratio Lower Upper

43 100

86 10.9 8.3 12.5



#24

1,1-Dichloroethane

Concen: 19.602 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

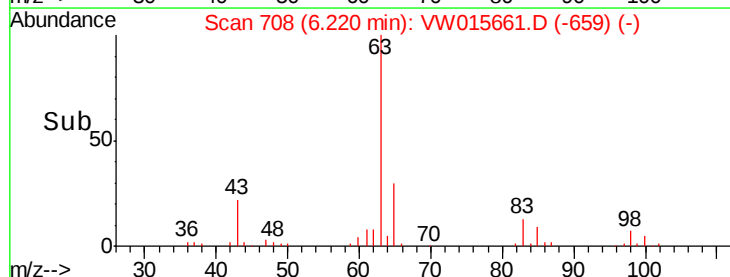
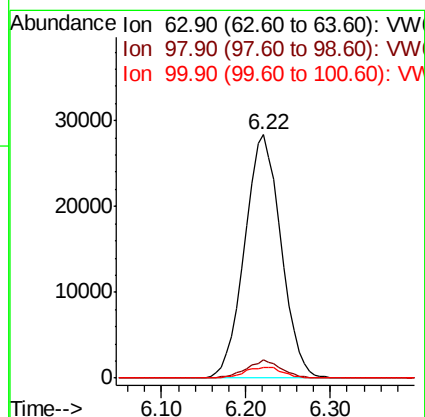
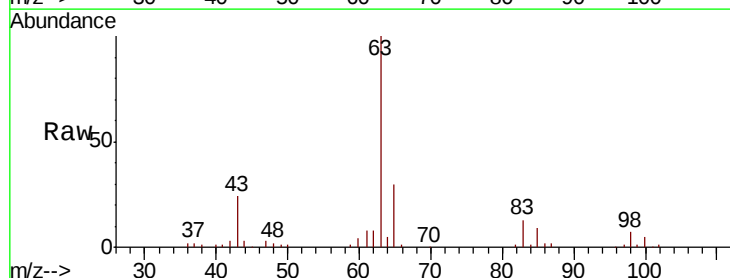
Tgt Ion: 63 Resp: 83173

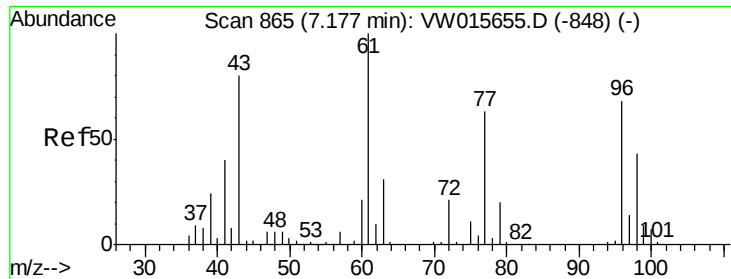
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 97.253 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

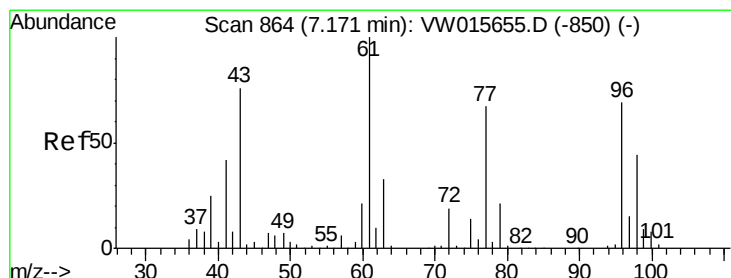
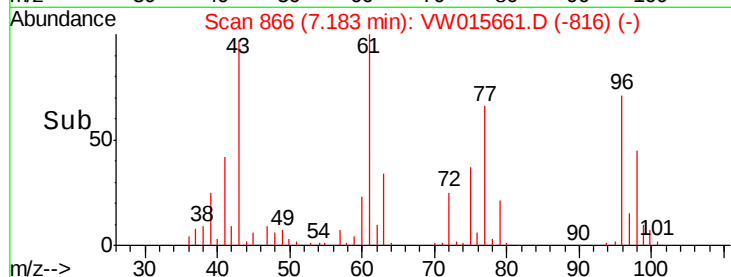
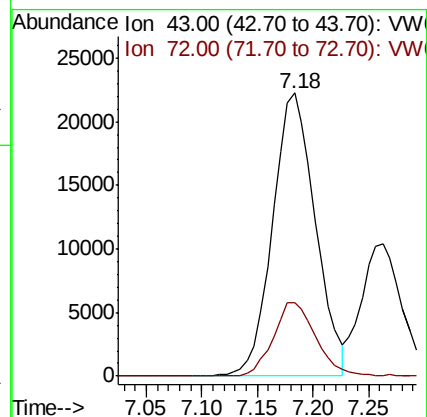
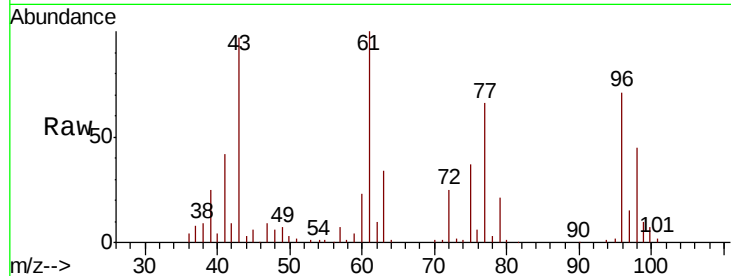
VW0623SBSD01

Tot Ion: 43 Resp: 59538

Ion Ratio Lower Upper

43 100

72 25.8 21.1 31.7



#26

2,2-Dichloropropane

Concen: 19.708 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015661.D

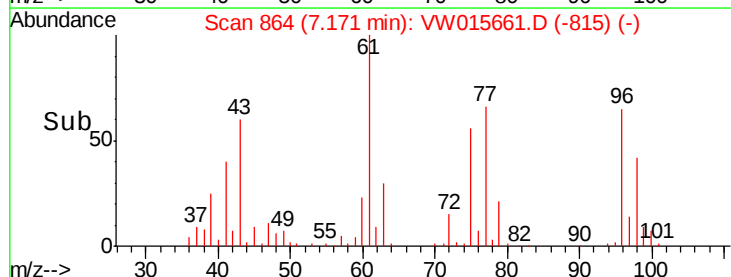
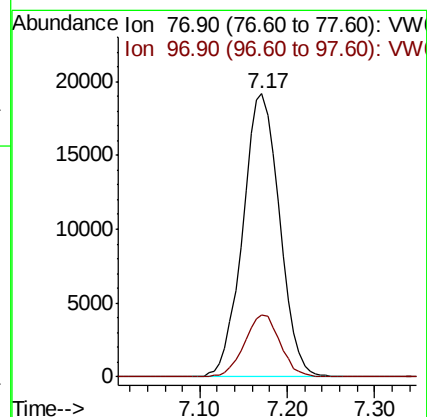
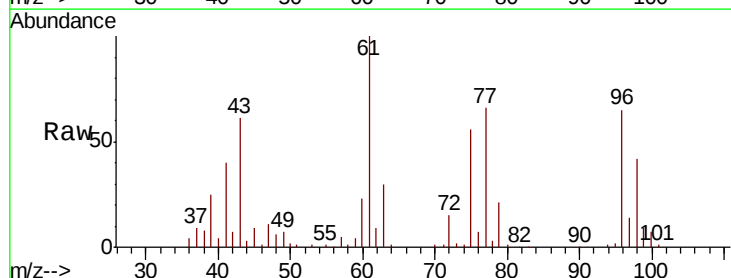
Acq: 23 Jun 2020 15:03

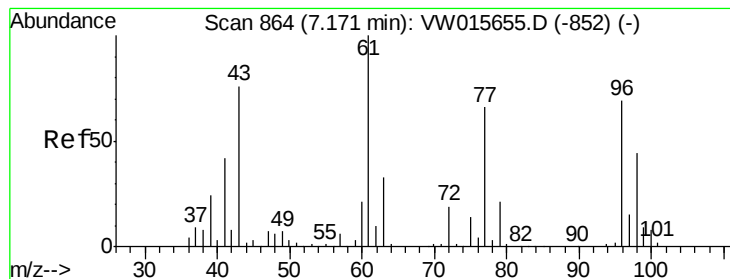
Tgt Ion: 77 Resp: 56088

Ion Ratio Lower Upper

77 100

97 21.3 11.2 33.5



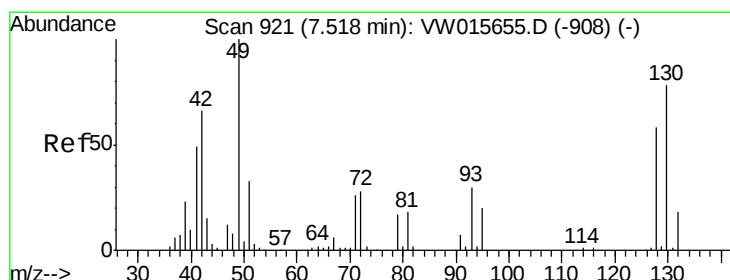
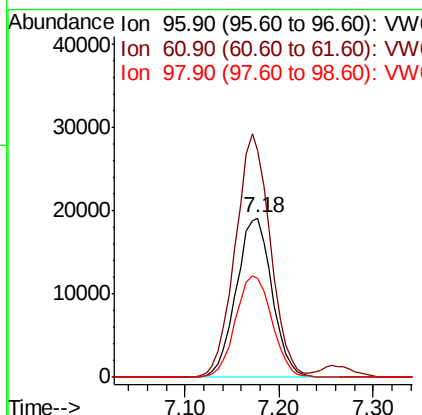
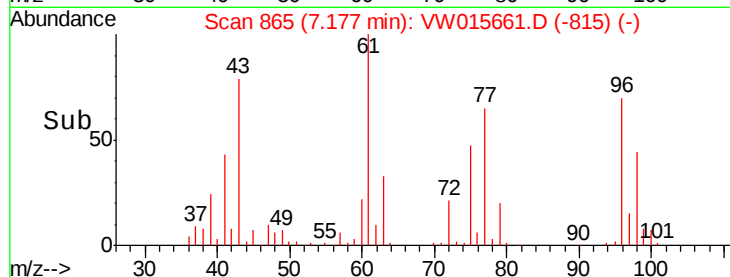
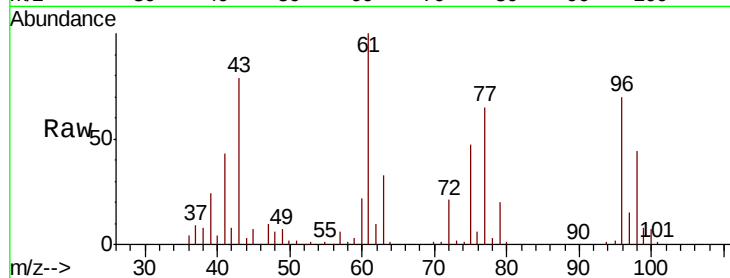


#27

cis-1,2-Dichloroethene
Concen: 19.755 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

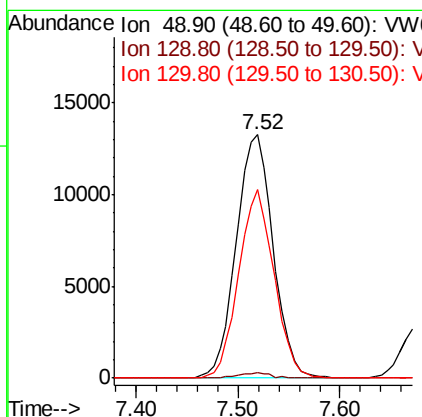
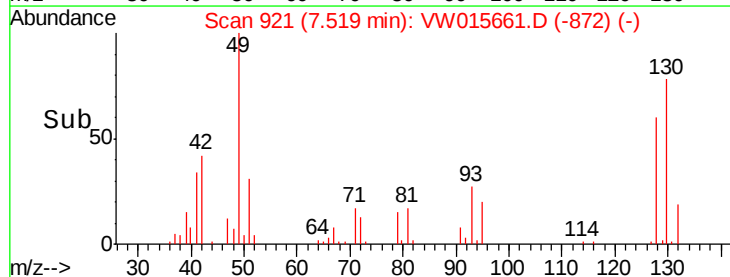
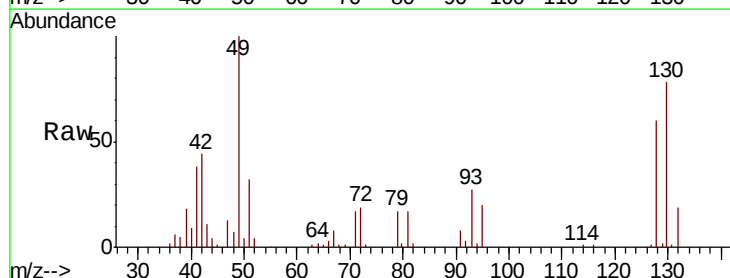
Tot Ion: 96 Resp: 50898
Ion Ratio Lower Upper
96 100
61 149.1 0.0 296.8
98 64.8 0.0 128.0

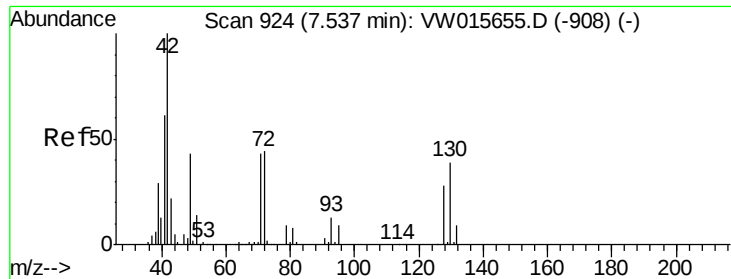


#28

Bromochloromethane
Concen: 20.412 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 49 Resp: 33316
Ion Ratio Lower Upper
49 100
129 1.9 0.0 2.2
130 74.2 61.0 91.4

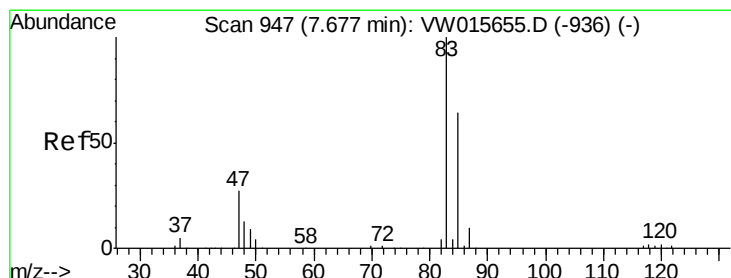
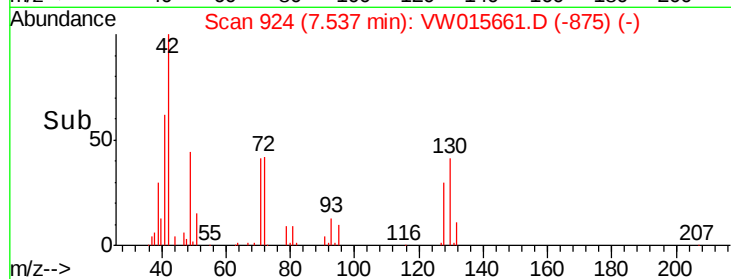
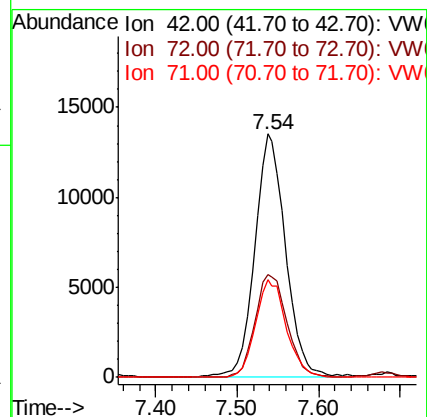
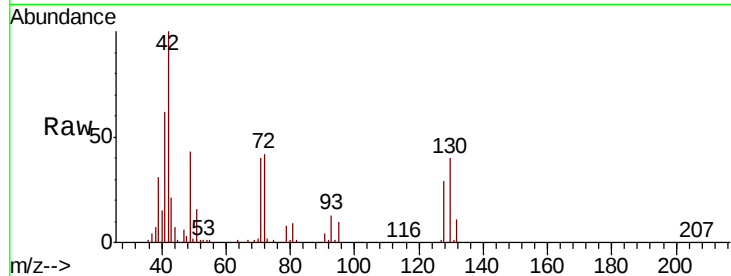




#29
Tetrahydrofuran
Concen: 99.327 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

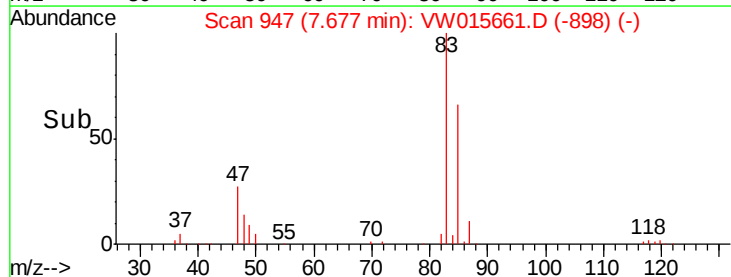
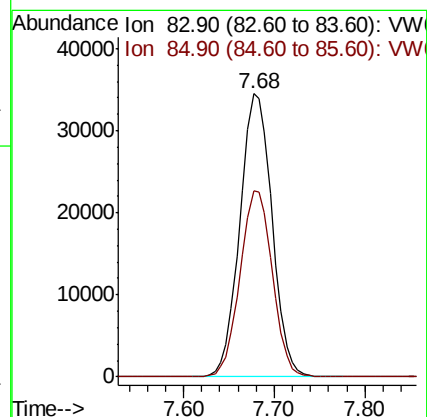
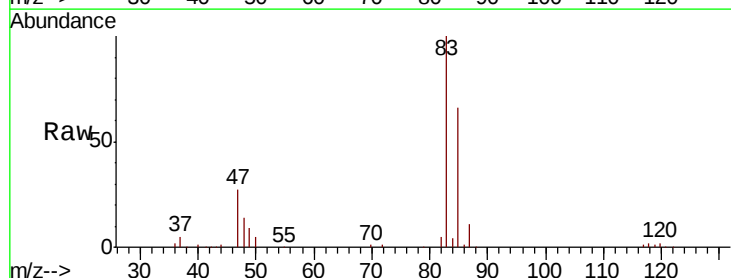
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

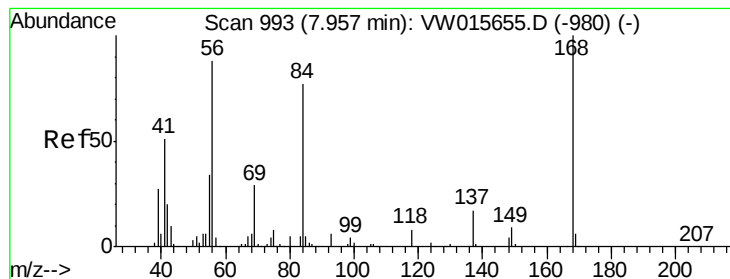
Tot Ion: 42 Resp: 35733
Ion Ratio Lower Upper
42 100
72 43.6 35.0 52.6
71 39.7 32.6 49.0



#30
Chloroform
Concen: 19.486 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 83 Resp: 84797
Ion Ratio Lower Upper
83 100
85 65.8 51.0 76.4





#31

Cyclohexane

Concen: 19.187 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

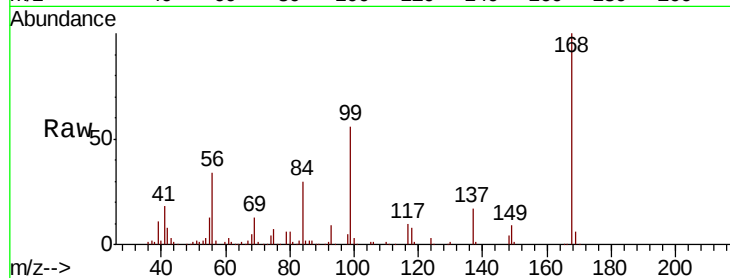
Tot Ion: 56 Resp: 78750

Ion Ratio Lower Upper

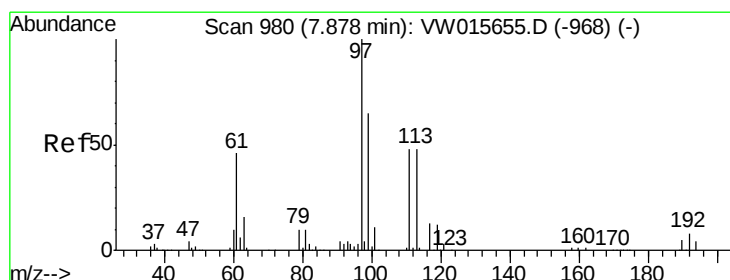
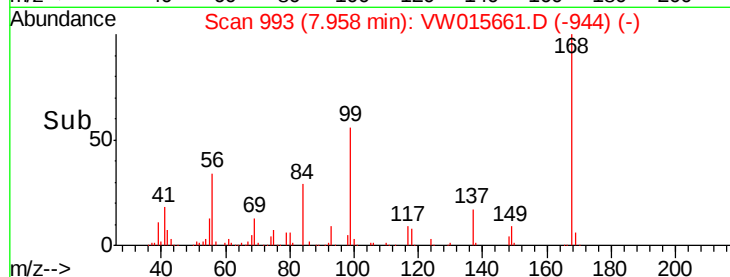
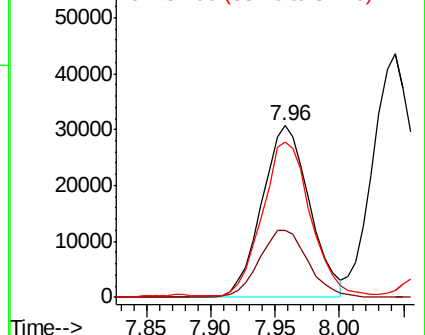
56 100

69 39.0 26.2 39.4

84 89.0 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: 19.815 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

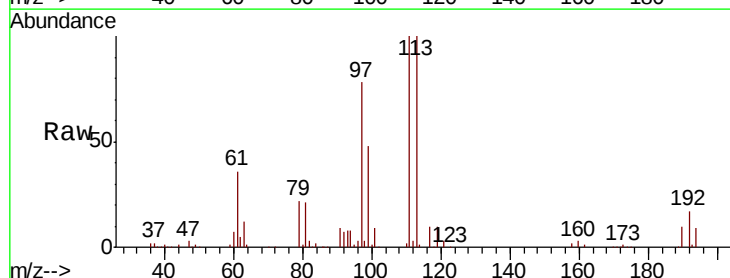
Tgt Ion: 97 Resp: 73501

Ion Ratio Lower Upper

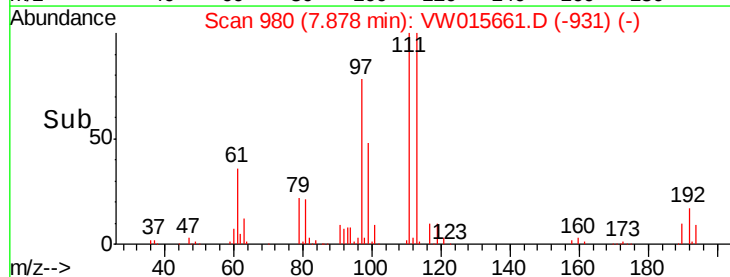
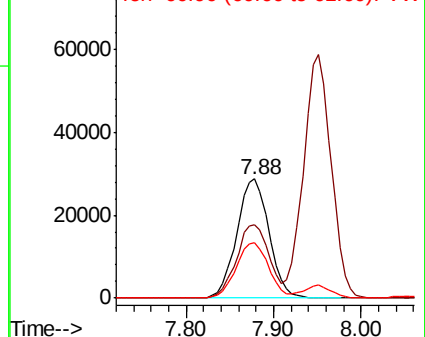
97 100

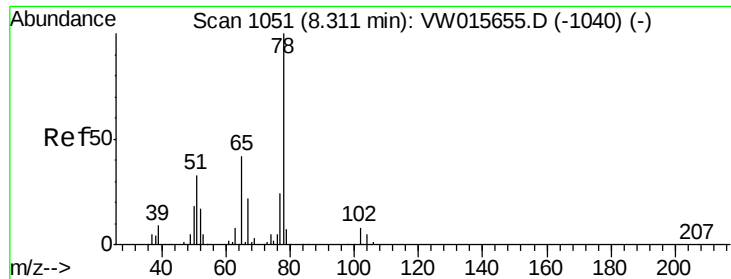
99 62.4 51.9 77.9

61 47.3 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: 50.214 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

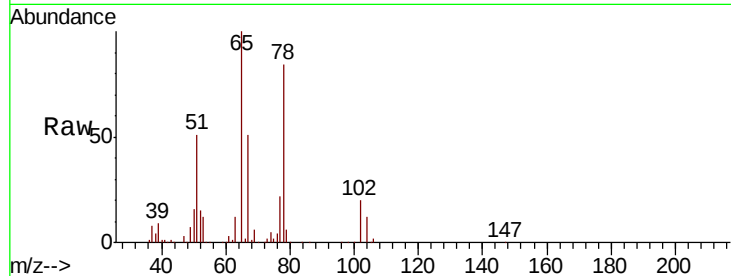
VW0623SBS01

Tot Ion: 65 Resp: 119646

Ion Ratio Lower Upper

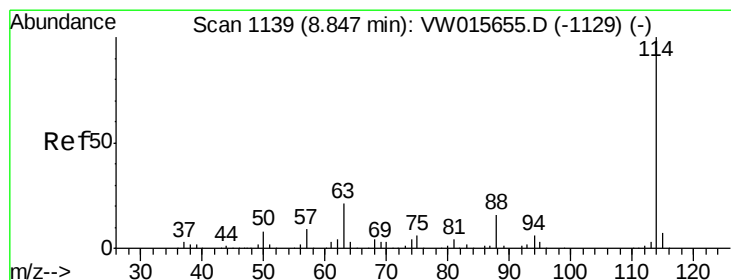
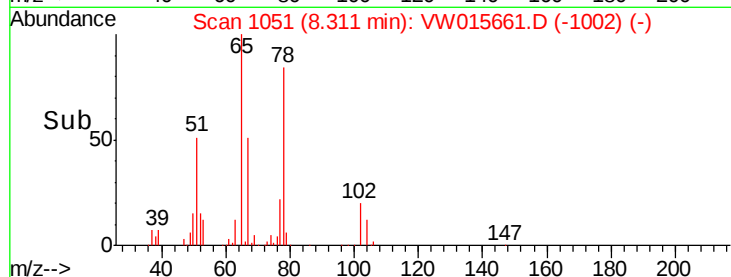
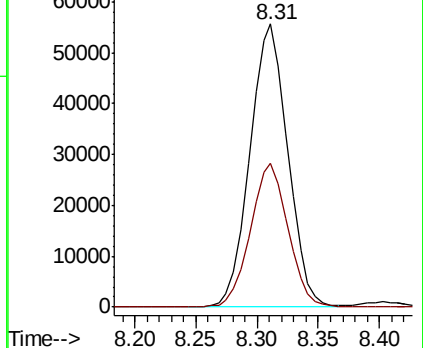
65 100

67 50.5 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

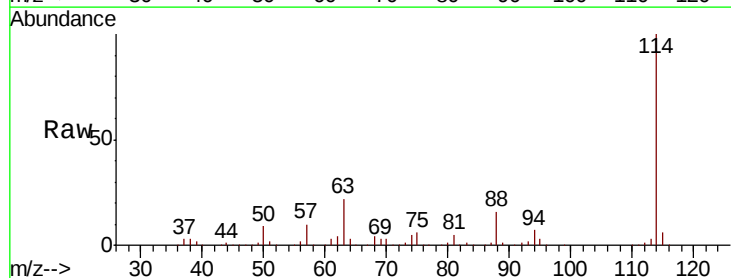
Tgt Ion: 114 Resp: 341396

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

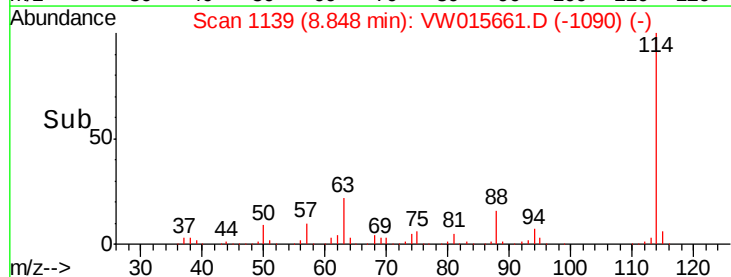
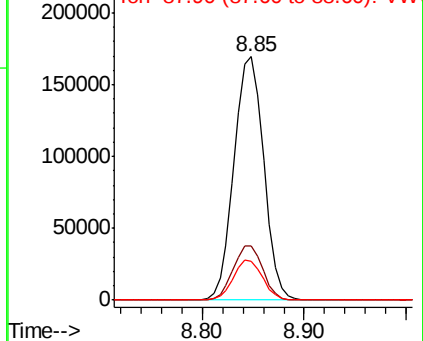
88 16.2 0.0 32.6

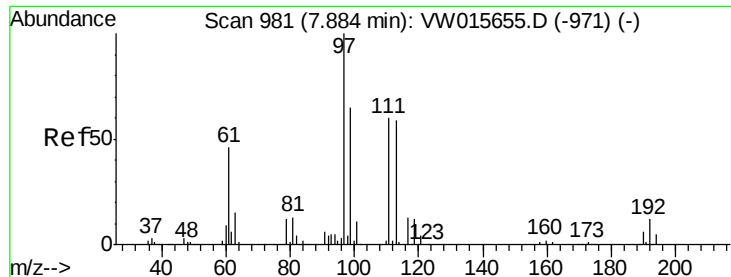


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

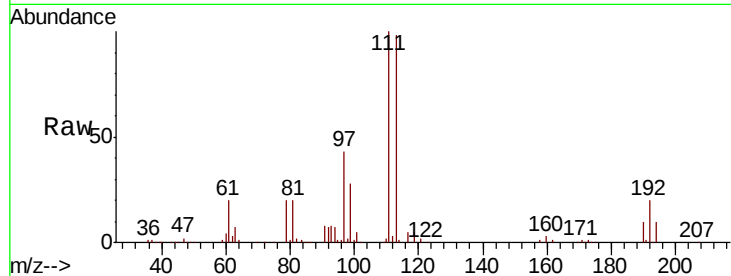




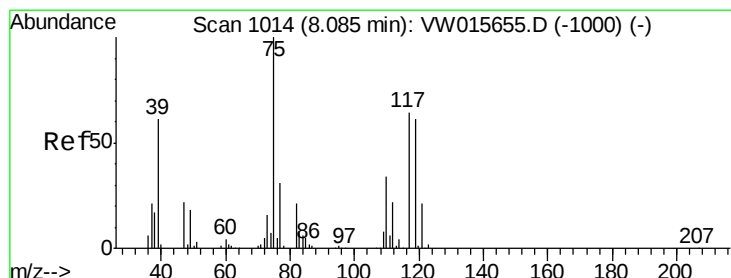
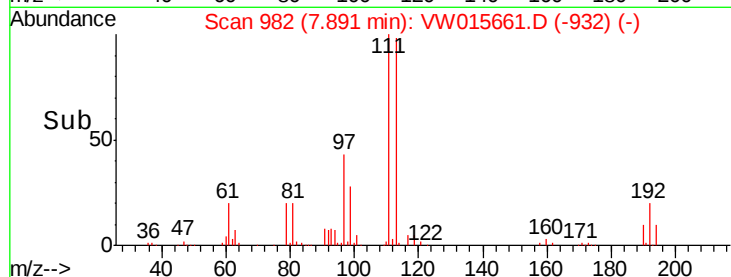
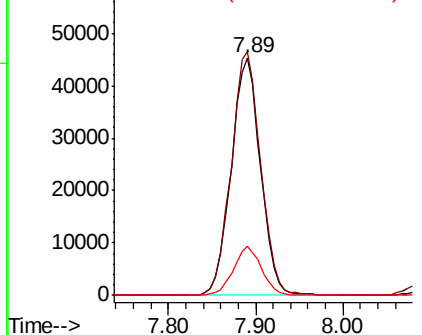
#35
 Dibromofluoromethane
 Concen: 49.068 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Tot Ion:113 Resp: 105373
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.3 123.5
 192 19.6 16.4 24.6

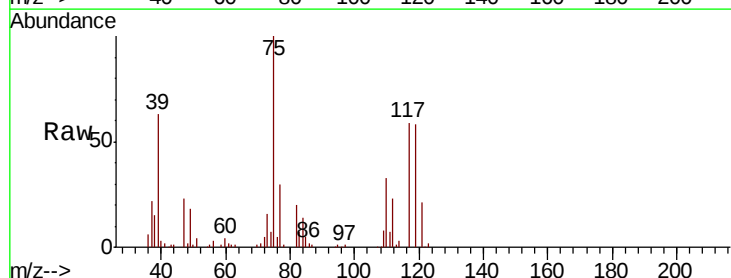


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

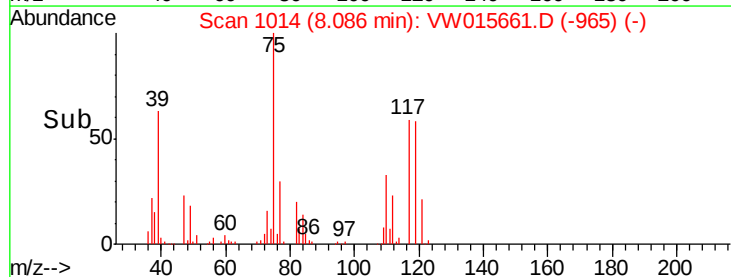
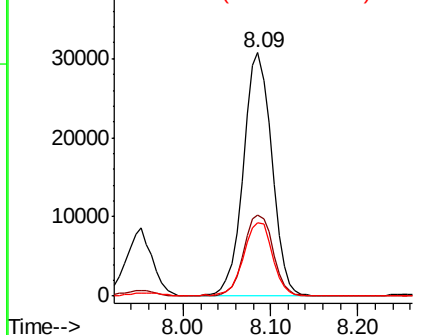


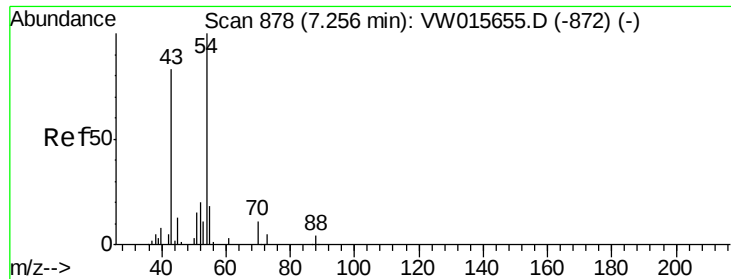
#36
 1,1-Dichloropropene
 Concen: 19.655 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 75 Resp: 69793
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.0 51.0
 77 30.9 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

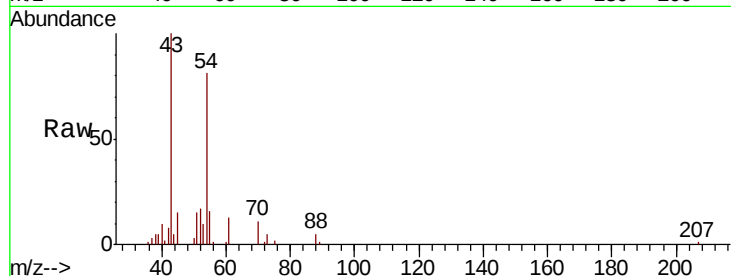




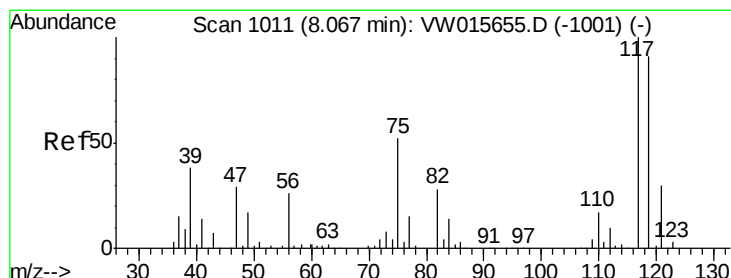
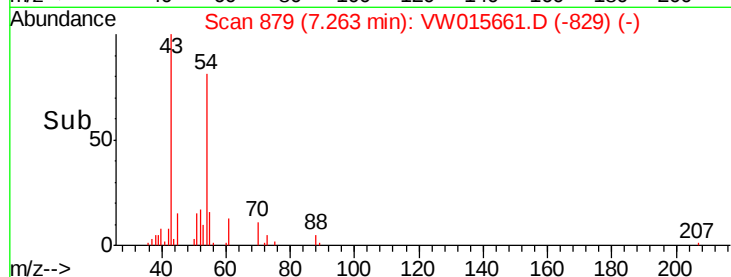
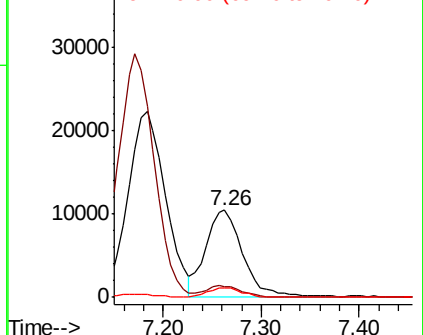
#37
Ethyl Acetate
Concen: 19.899 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion: 43 Resp: 26979
Ion Ratio Lower Upper
43 100
61 13.0 10.4 15.6
70 10.2 8.4 12.6

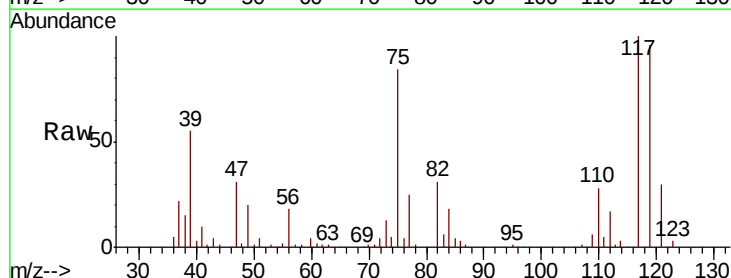


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

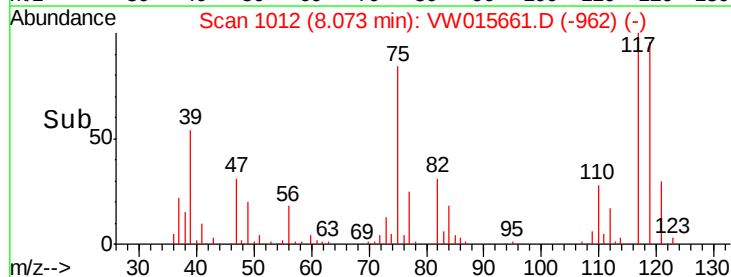
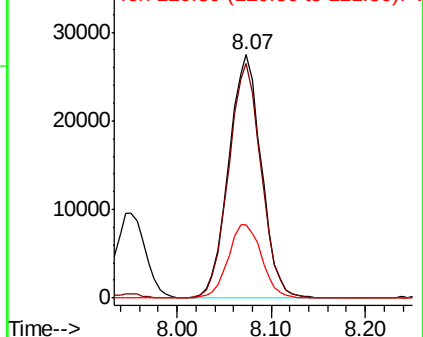


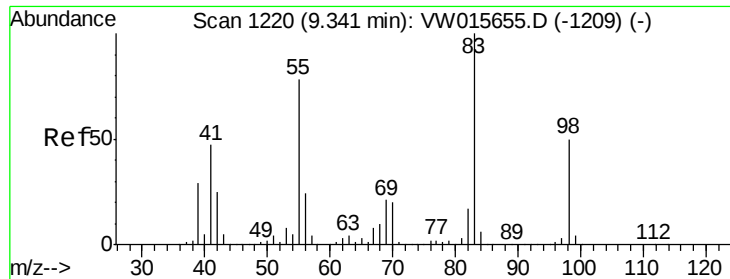
#38
Carbon Tetrachloride
Concen: 19.252 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 117 Resp: 66265
Ion Ratio Lower Upper
117 100
119 96.3 73.2 109.8
121 30.1 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

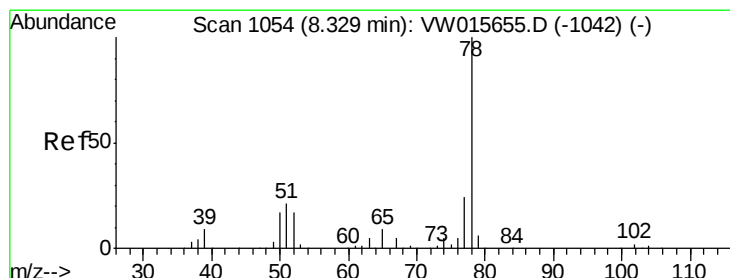
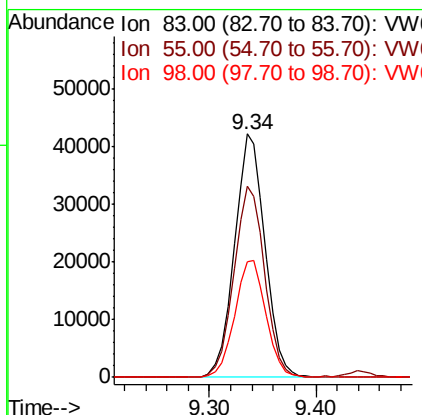
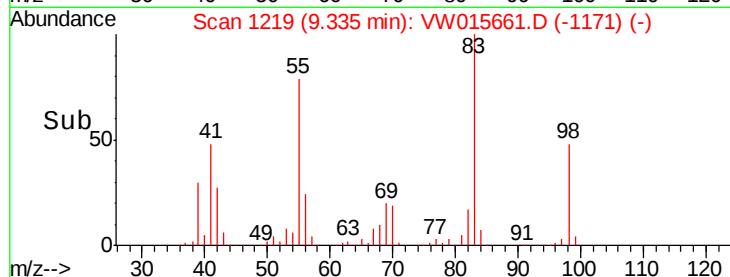
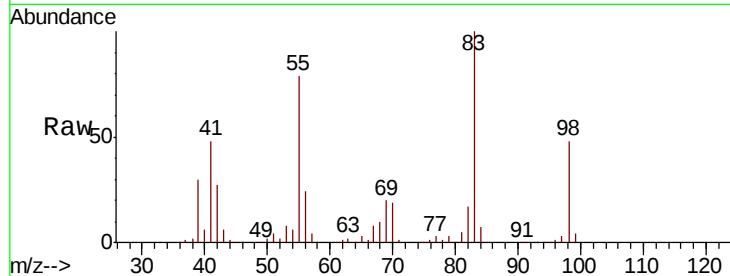




#39
Methvlcvclohexane
Concen: 19.675 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

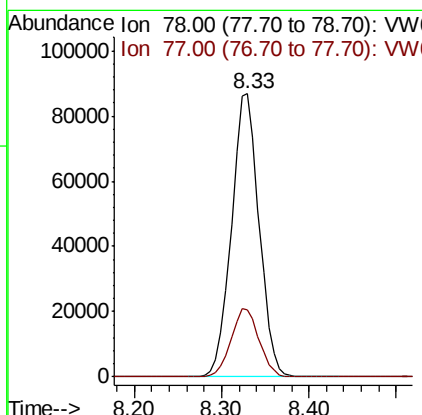
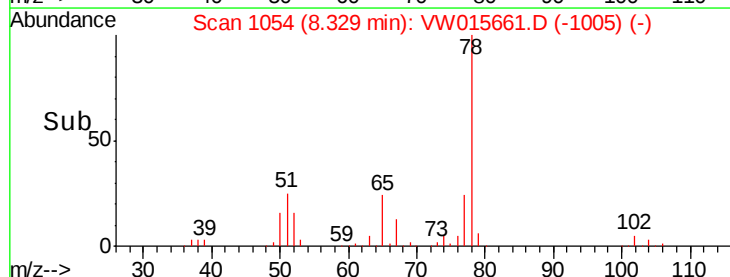
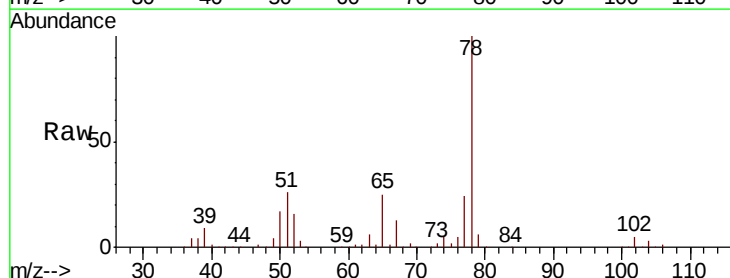
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

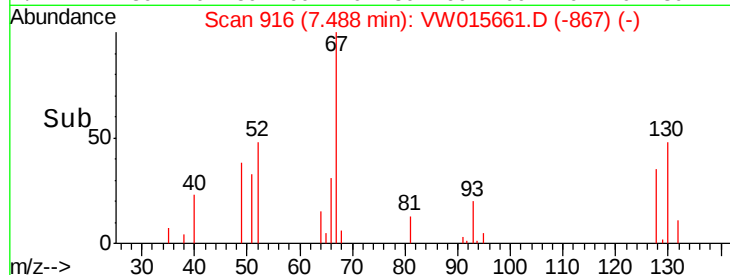
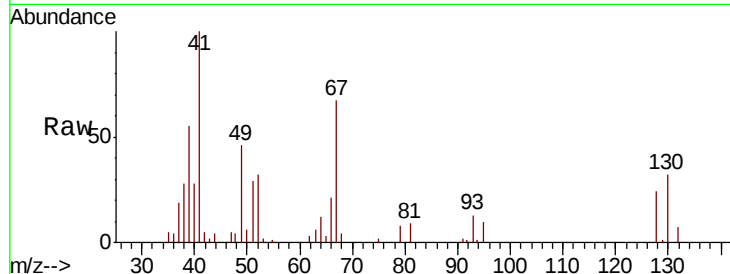
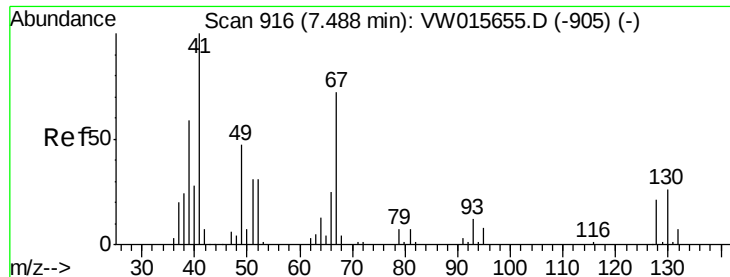
Tot Ion: 83 Resp: 84622
Ion Ratio Lower Upper
83 100
55 78.6 62.8 94.2
98 47.6 39.9 59.9



#40
Benzene
Concen: 19.768 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 78 Resp: 190859
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9

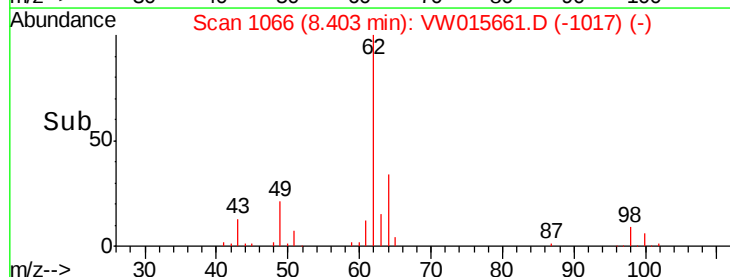
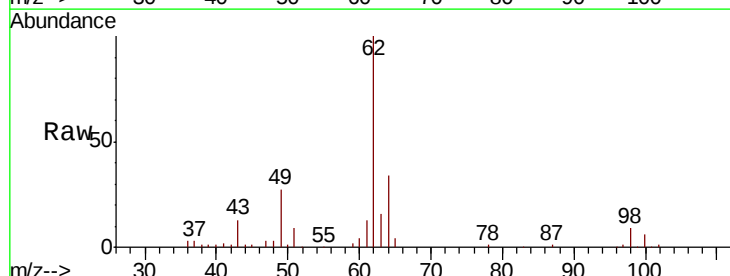
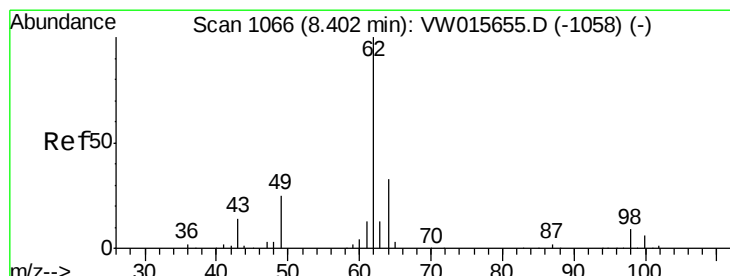
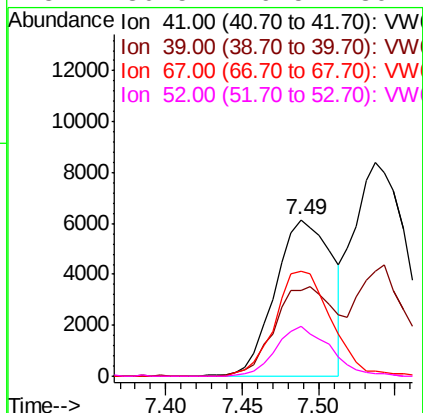




#41
Methacrylonitrile
Concen: 20.484 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

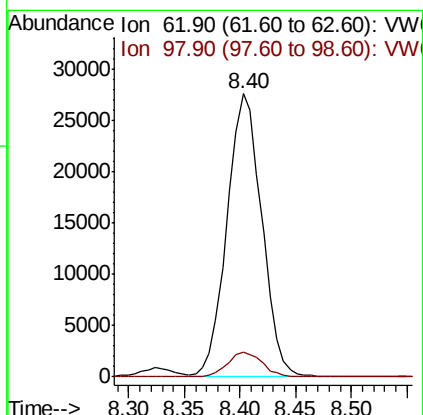
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

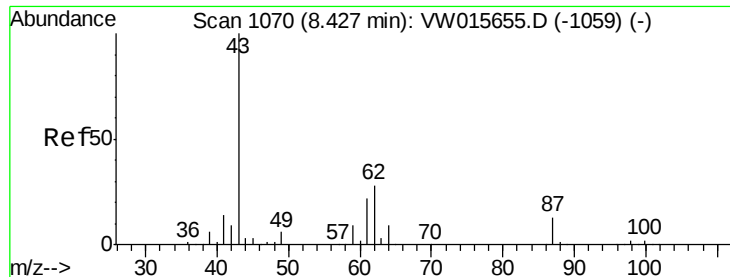
Tot Ion:	41	Resp:	15939
Ion	Ratio	Lower	Upper
41	100		
39	63.3	52.0	78.0
67	66.5	57.5	86.3
52	30.5	26.5	39.7



#42
1,2-Dichloroethane
Concen: 19.997 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion:	62	Resp:	59728
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





#43

Isopropyl Acetate

Concen: 20.195 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

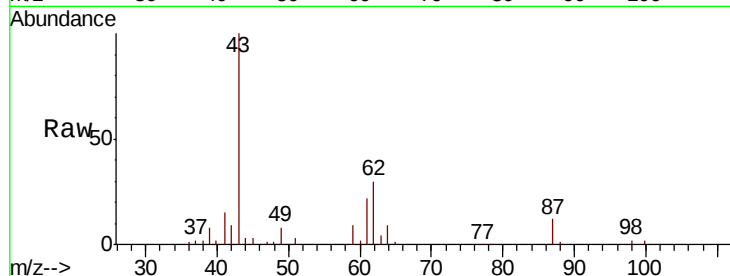
Tot Ion: 43 Resp: 54640

Ion Ratio Lower Upper

43 100

61 30.1 24.7 37.1

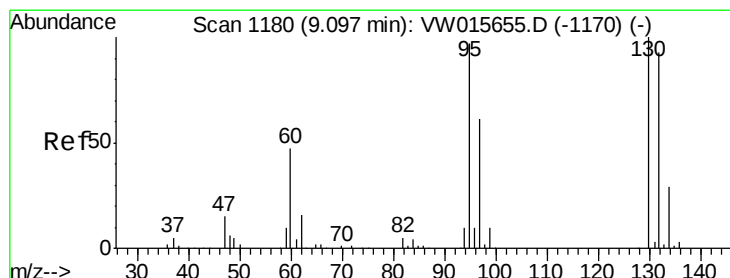
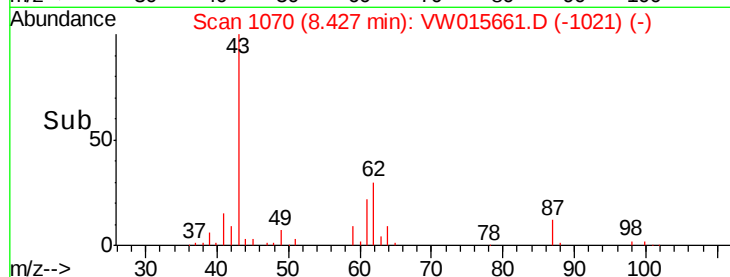
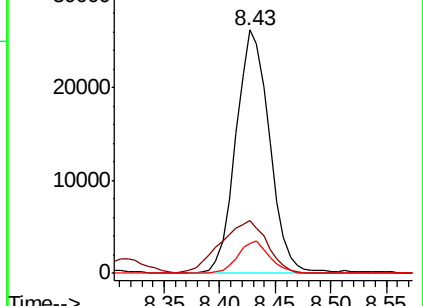
87 12.6 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 19.560 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW015661.D

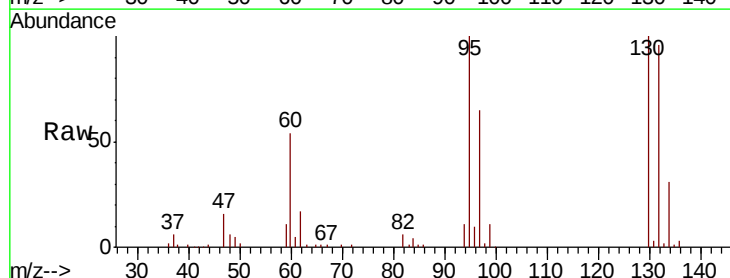
Acq: 23 Jun 2020 15:03

Tgt Ion: 130 Resp: 50902

Ion Ratio Lower Upper

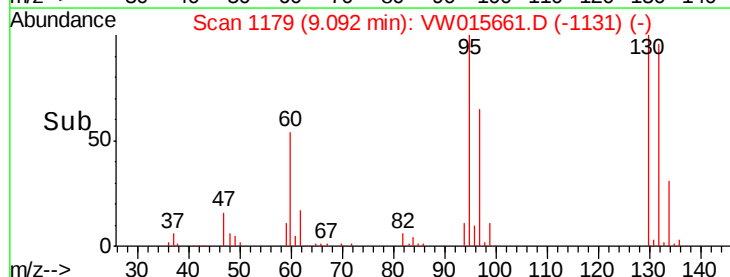
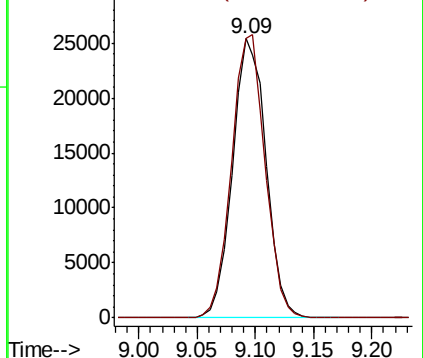
130 100

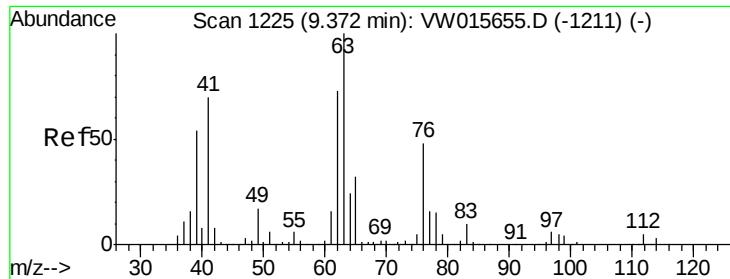
95 100.0 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

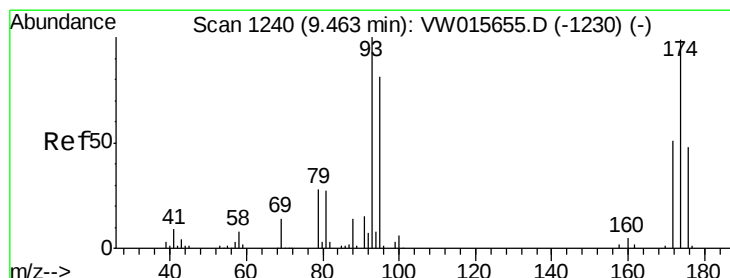
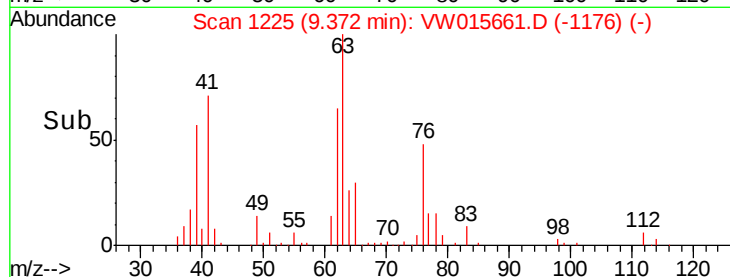
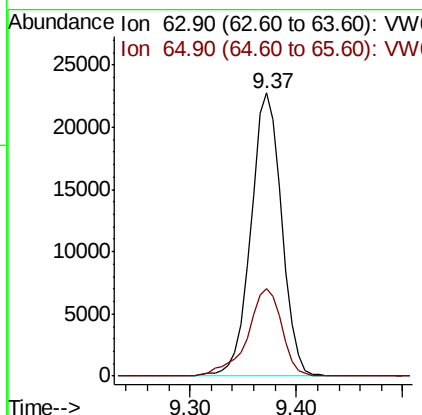
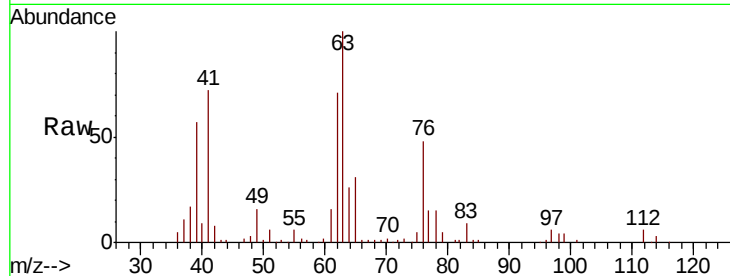




#45
 1,2-Dichloropropane
 Concen: 19.526 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

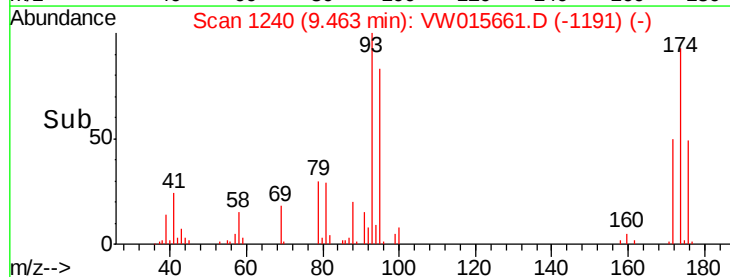
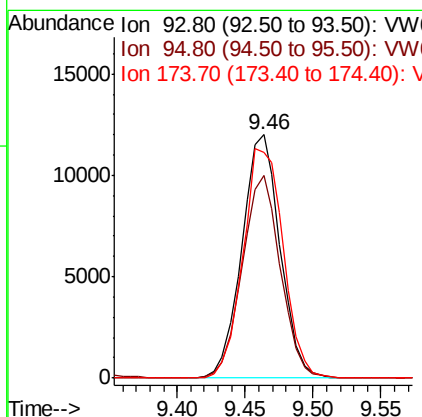
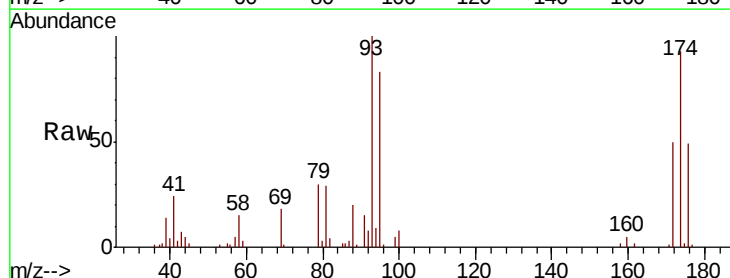
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

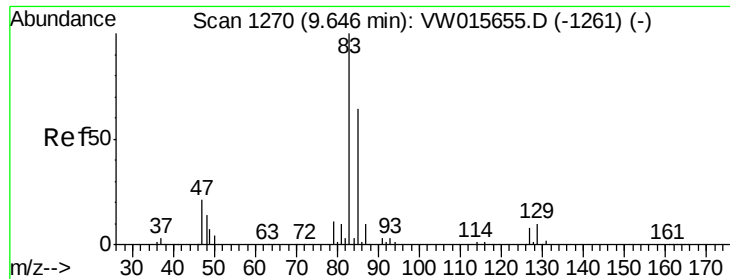
Tot Ion: 63 Resp: 46082
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.3 37.9



#46
 Dibromomethane
 Concen: 19.346 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 93 Resp: 23622
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.7 98.5
 174 99.3 79.0 118.6

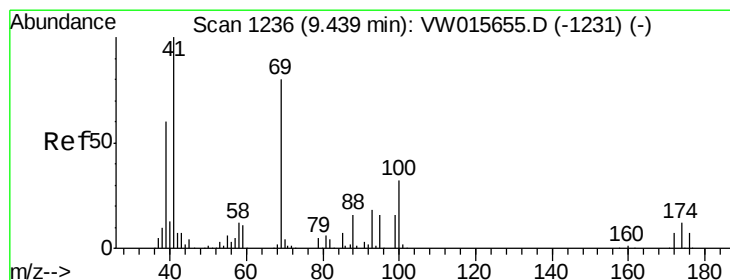
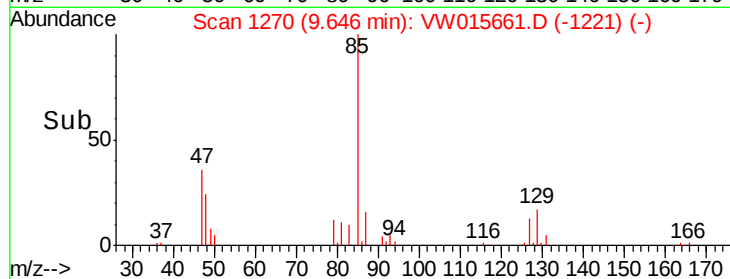
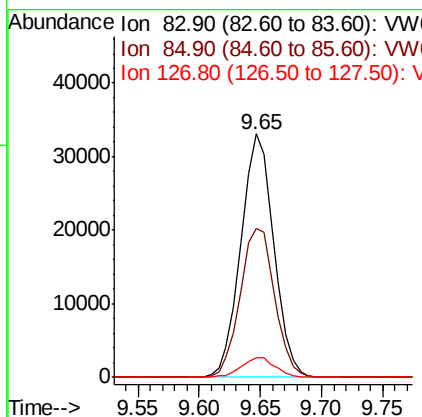
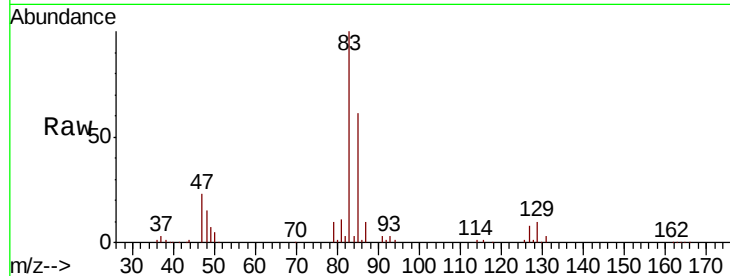




#47
 Bromodichloromethane
 Concen: 19.447 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

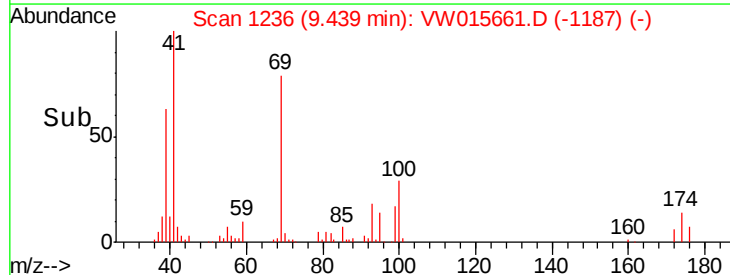
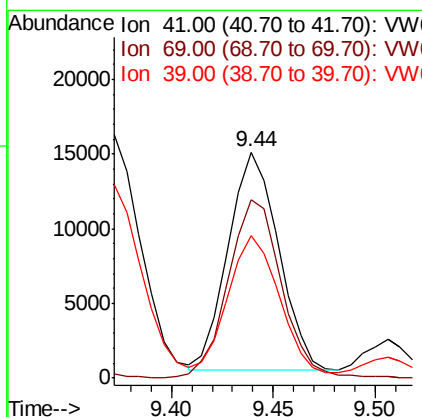
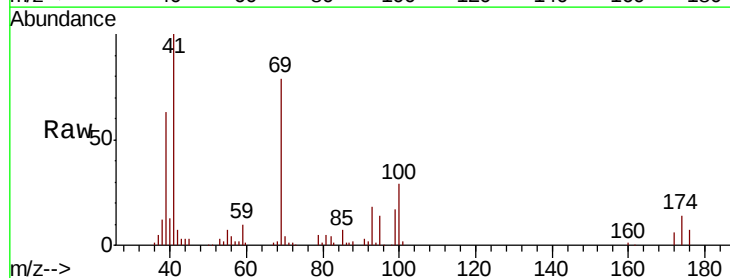
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBSD01

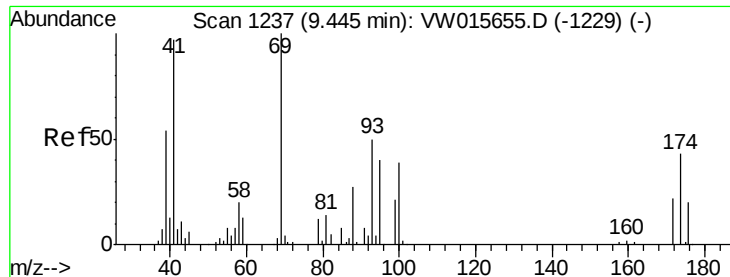
Tot Ion	83	Resp	61938
Ion Ratio	Lower	Upper	
83	100		
85	61.1	50.8	76.2
127	8.2	6.3	9.5



#48
 Methyl methacrylate
 Concen: 20.296 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion	41	Resp	25105
Ion Ratio	Lower	Upper	
41	100		
69	87.0	68.2	102.2
39	63.3	49.8	74.6

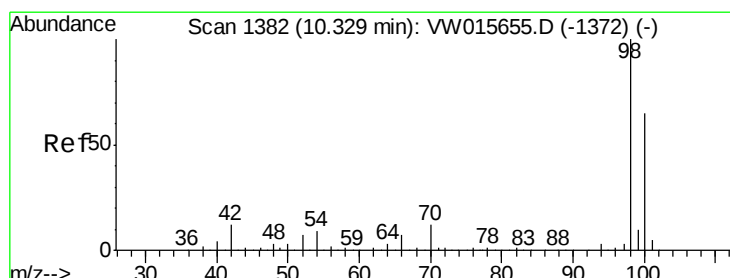
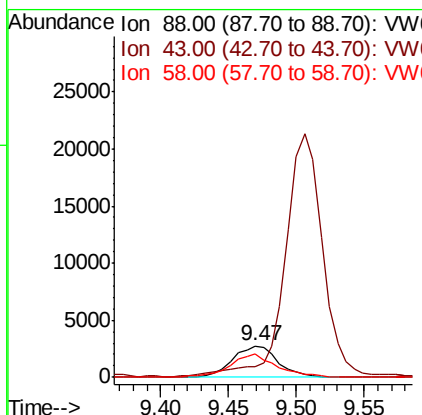
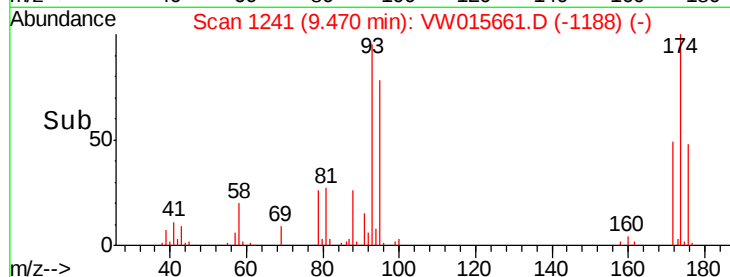
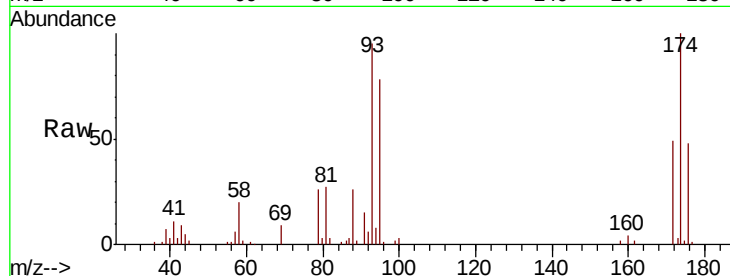




#49
1,4-Dioxane
Concen: 399.609 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

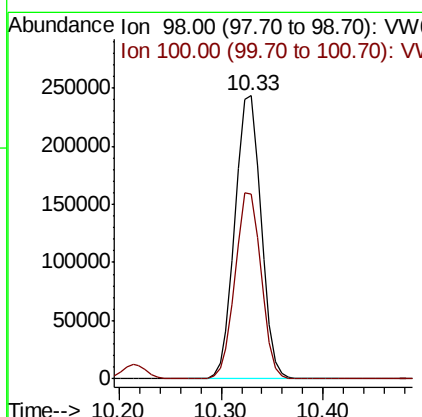
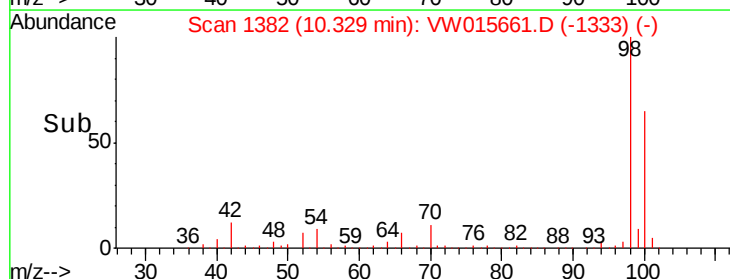
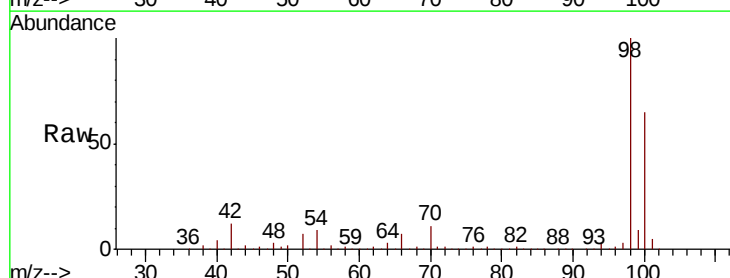
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

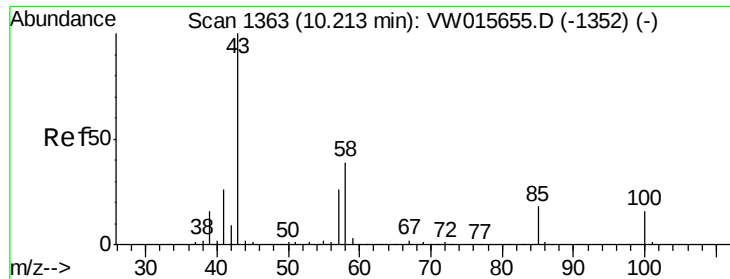
Tot Ion: 88 Resp: 6401
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 76.0 56.1 84.1



#50
Toluene-d8
Concen: 51.012 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 98 Resp: 431109
Ion Ratio Lower Upper
98 100
100 65.6 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 101.092 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

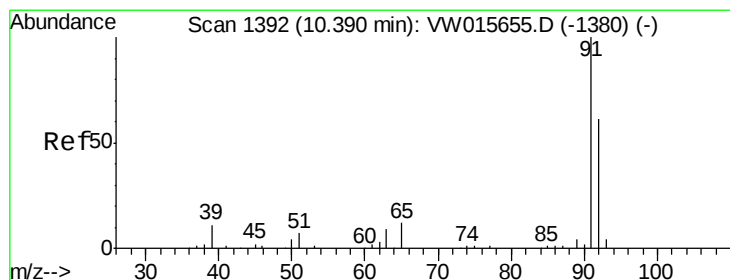
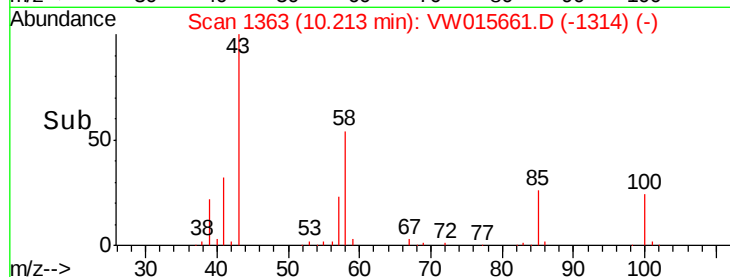
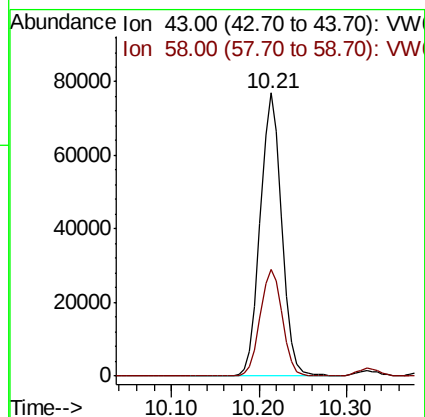
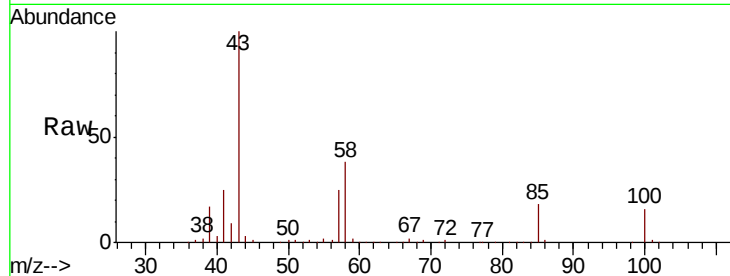
VW0623SBSD01

Tot Ion: 43 Resp: 131903

Ion Ratio Lower Upper

43 100

58 38.7 31.2 46.8



#52

Toluene

Concen: 19.837 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015661.D

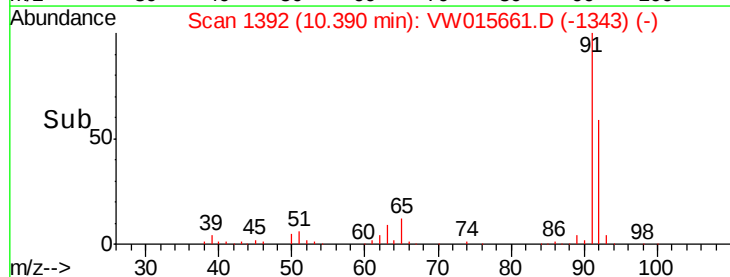
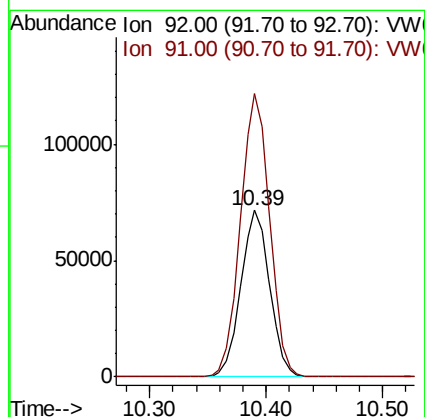
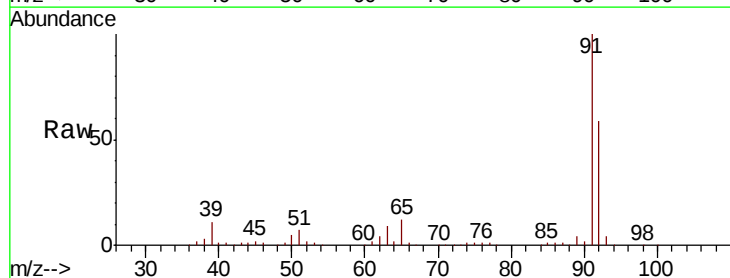
Acq: 23 Jun 2020 15:03

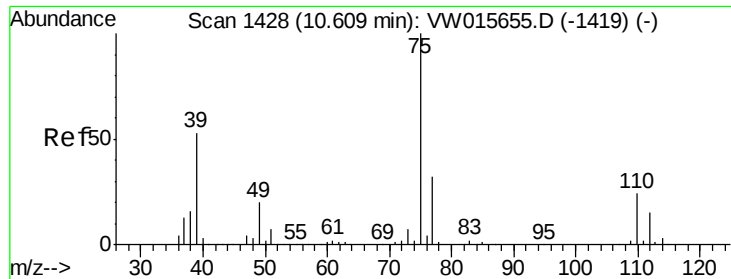
Tgt Ion: 92 Resp: 123671

Ion Ratio Lower Upper

92 100

91 172.3 135.5 203.3

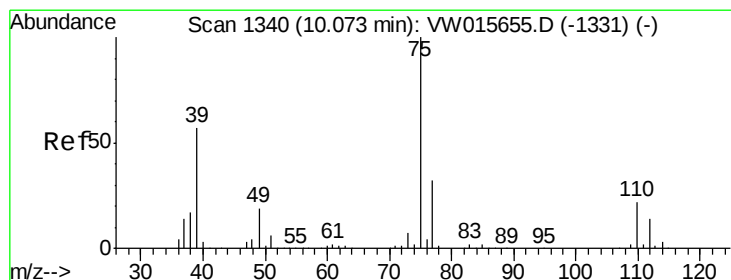
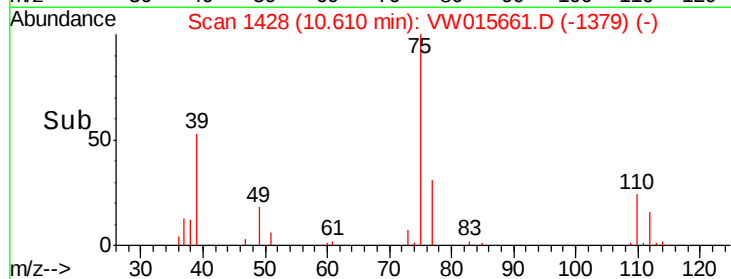
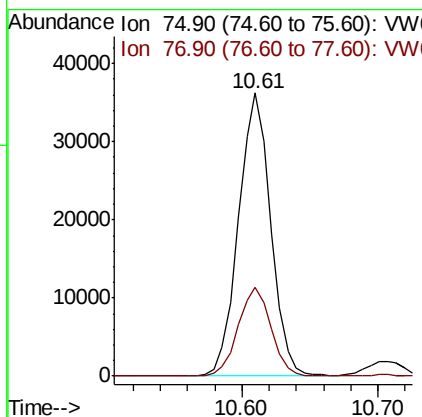
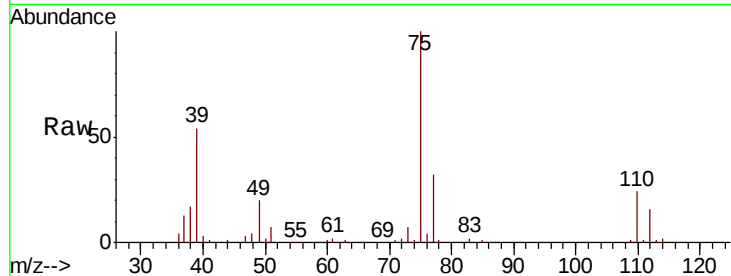




#53
 t-1,3-Dichloropropene
 Concen: 19.461 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

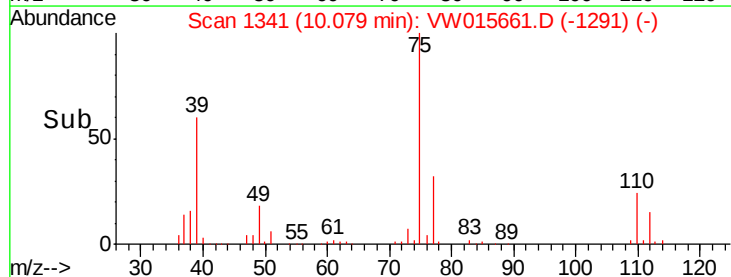
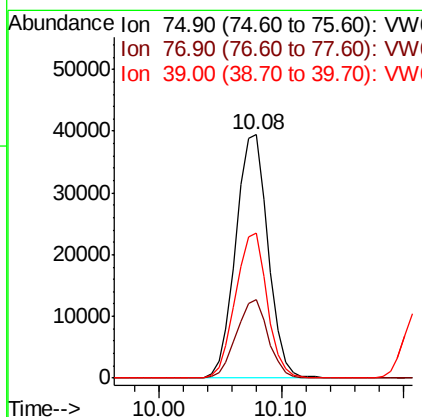
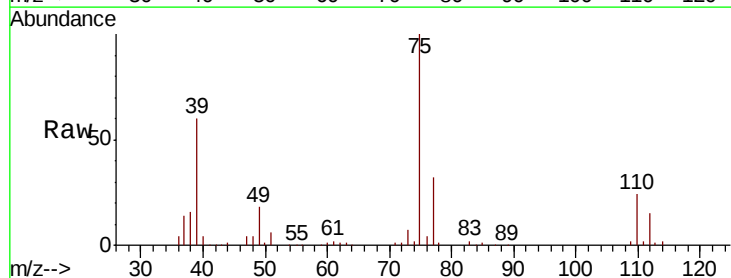
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBSD01

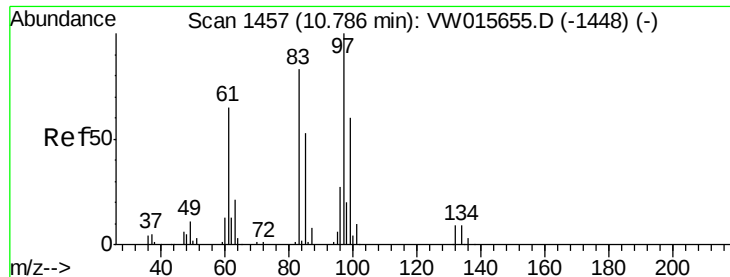
Tot Ion: 75 Resp: 59882
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 19.616 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 75 Resp: 72103
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2
 39 59.5 45.8 68.6

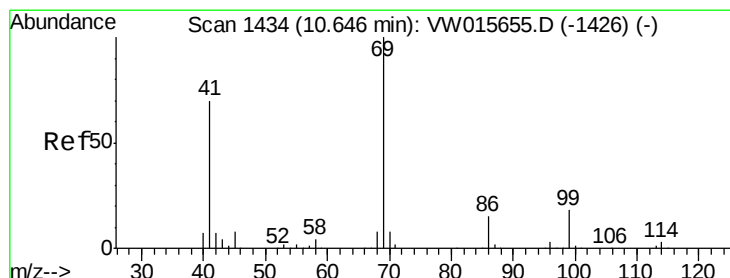
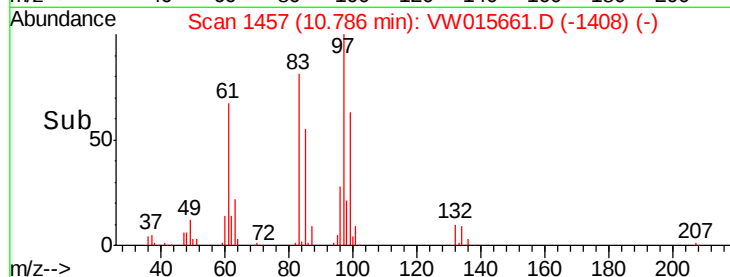
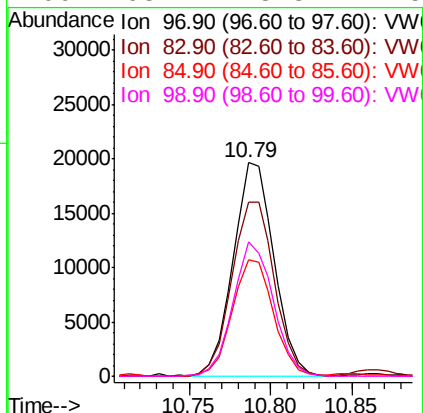
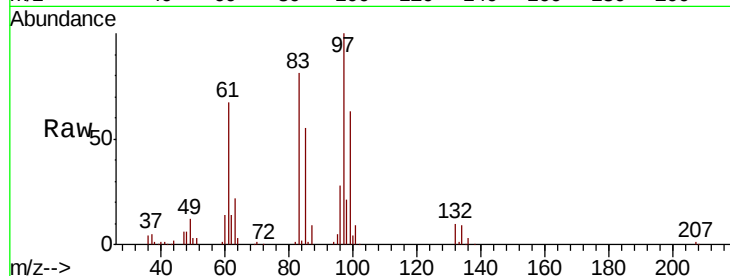




#55
 1,1,2-Trichloroethane
 Concen: 20.212 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

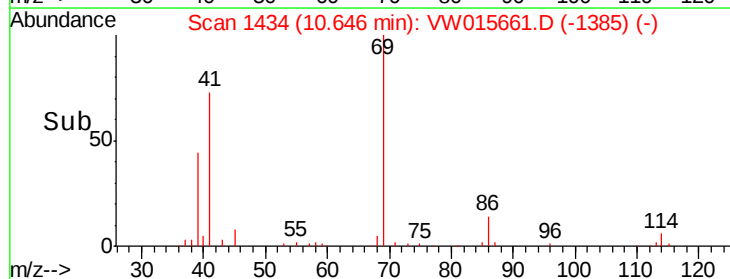
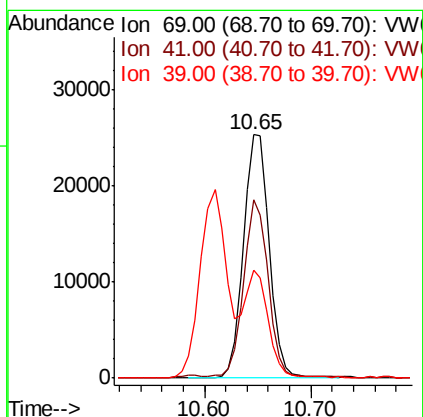
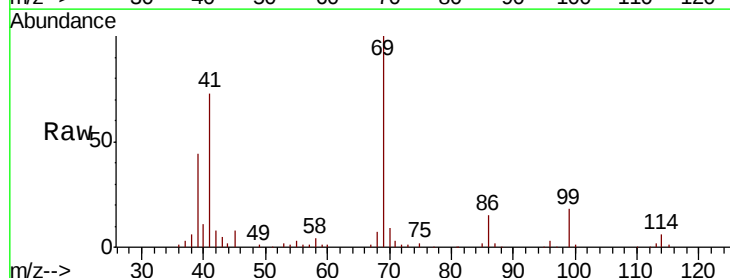
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

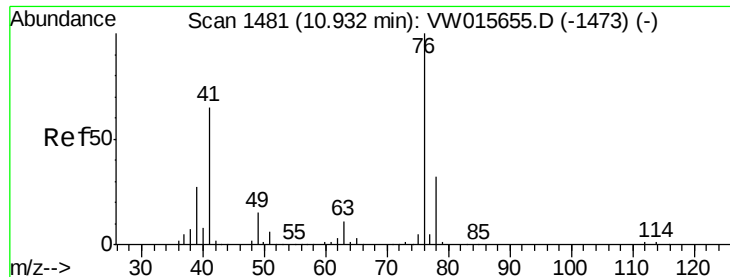
Tot Ion:	97	Resp:	34315
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.3	99.5
85	54.5	42.5	63.7
99	63.2	48.3	72.5



#56
 Ethyl methacrylate
 Concen: 20.478 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion:	69	Resp:	43258
Ion	Ratio	Lower	Upper
69	100		
41	68.7	55.8	83.6
39	35.9	29.5	44.3

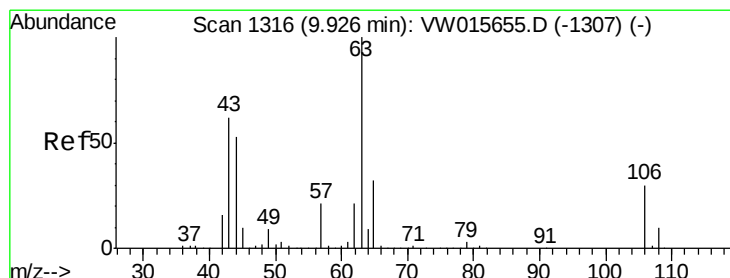
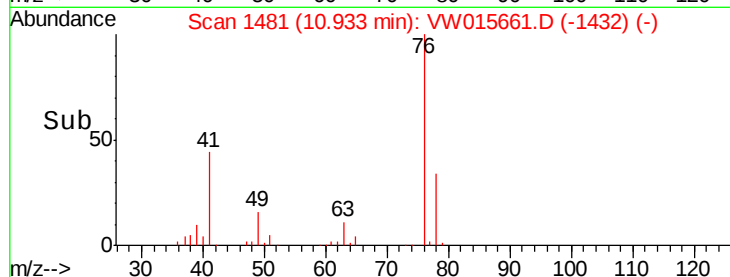
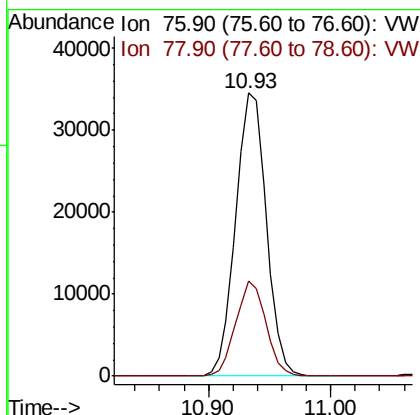
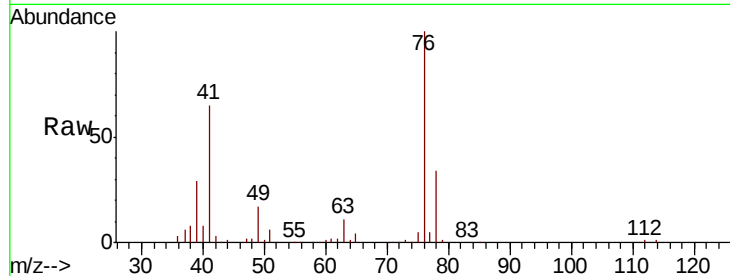




#57
 1,3-Dichloropropane
 Concen: 19.962 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

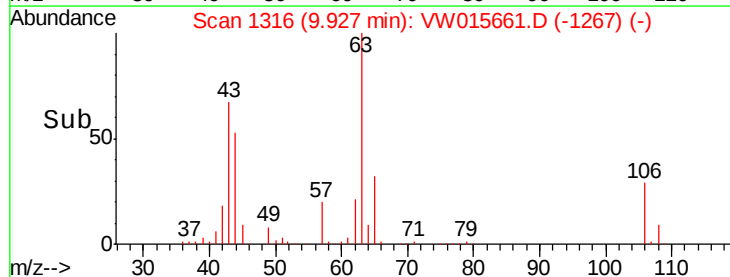
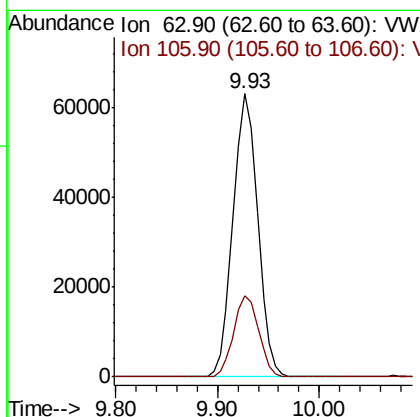
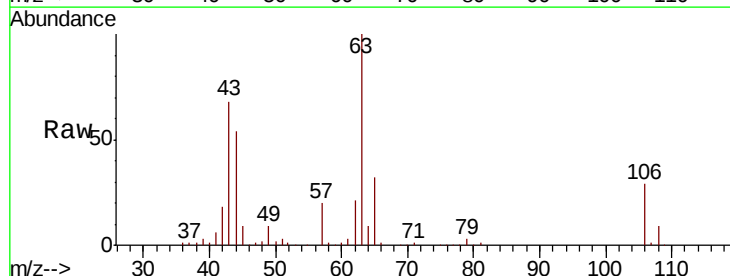
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBSD01

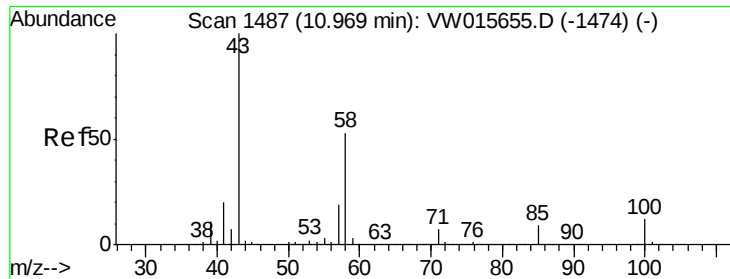
Tot Ion: 76 Resp: 60082
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.934 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 63 Resp: 105895
 Ion Ratio Lower Upper
 63 100
 106 29.1 23.3 34.9





#59

2-Hexanone

Concen: 102.153 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

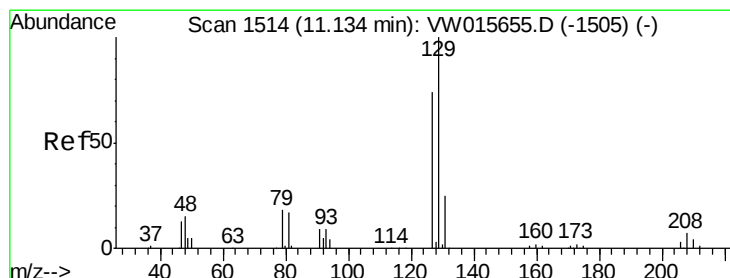
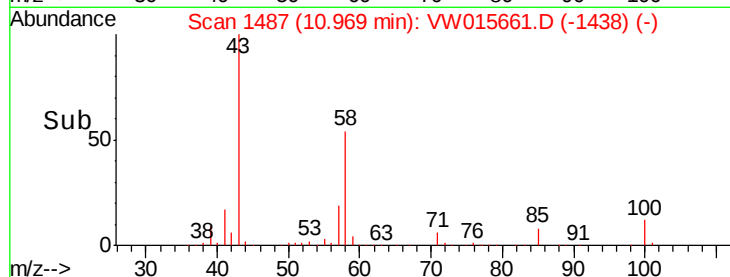
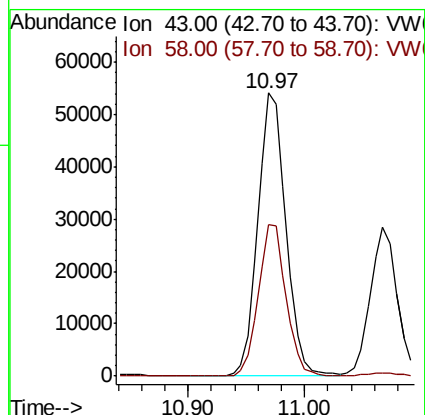
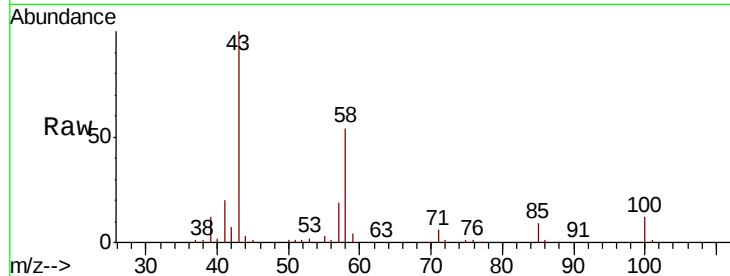
VW0623SBSD01

Tot Ion: 43 Resp: 90741

Ion Ratio Lower Upper

43 100

58 52.9 26.5 79.4



#60

Dibromochloromethane

Concen: 19.788 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW015661.D

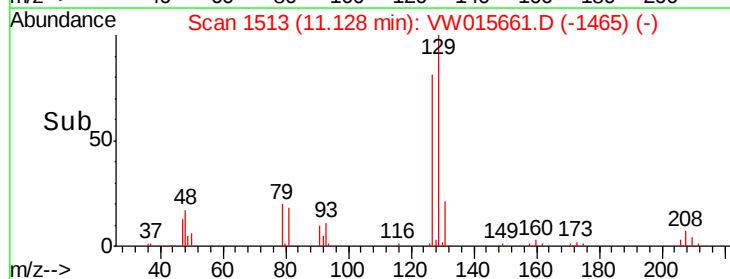
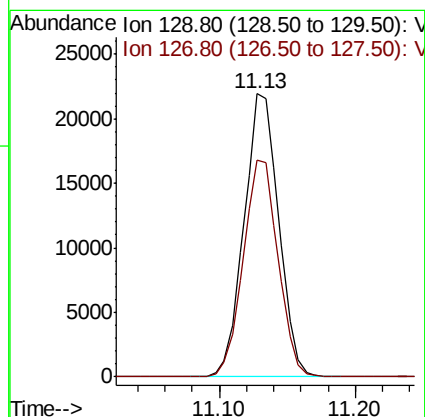
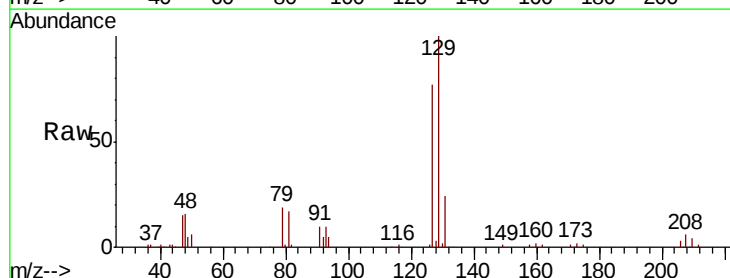
Acq: 23 Jun 2020 15:03

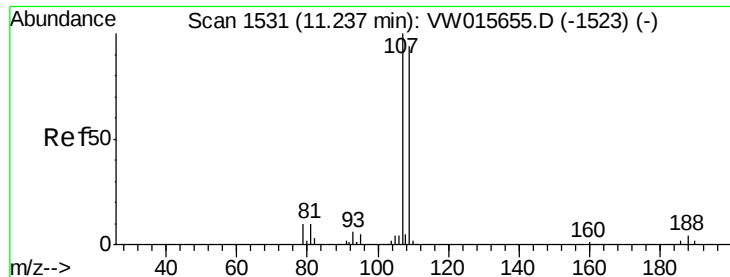
Tgt Ion:129 Resp: 39148

Ion Ratio Lower Upper

129 100

127 77.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 20.217 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

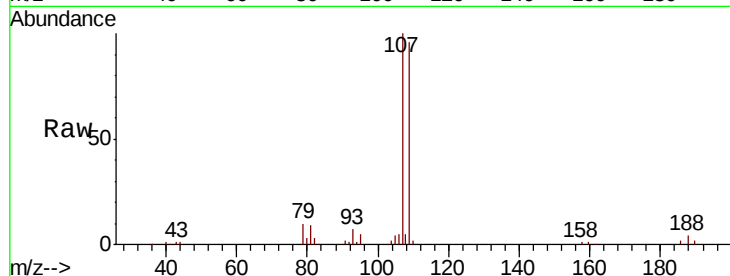
VW0623SBSD01

Tot Ion:107 Resp: 32808

Ion Ratio Lower Upper

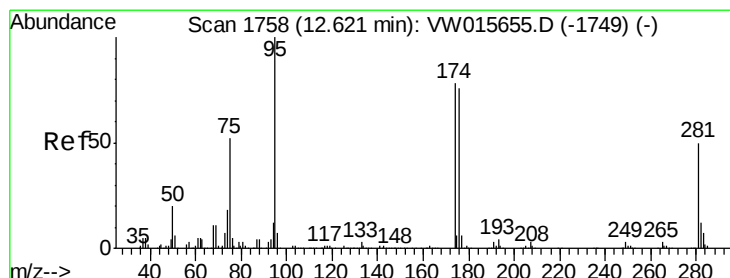
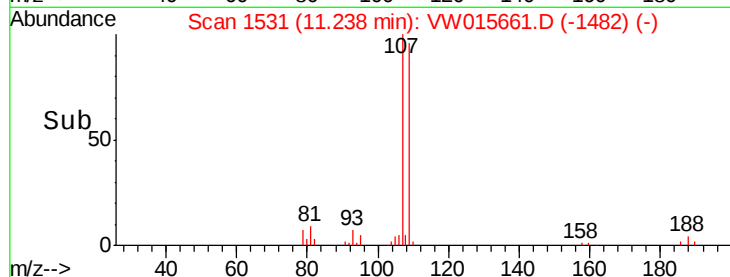
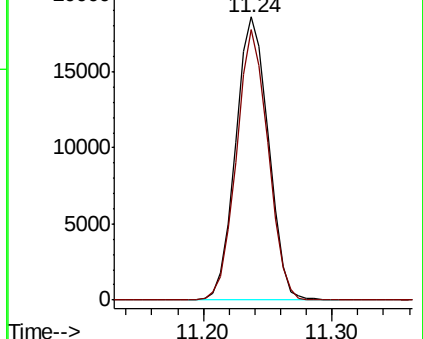
107 100

109 92.3 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.577 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

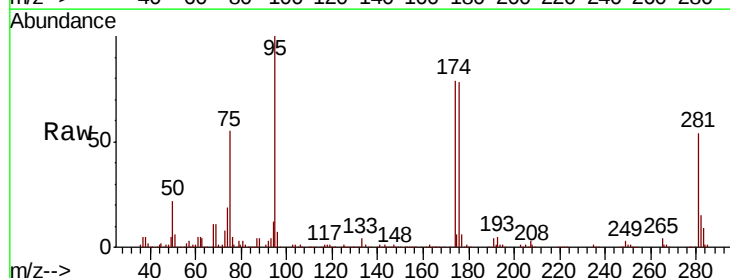
Tgt Ion: 95 Resp: 157415

Ion Ratio Lower Upper

95 100

174 79.0 0.0 157.0

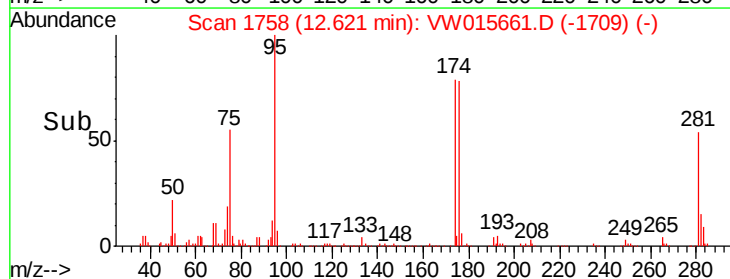
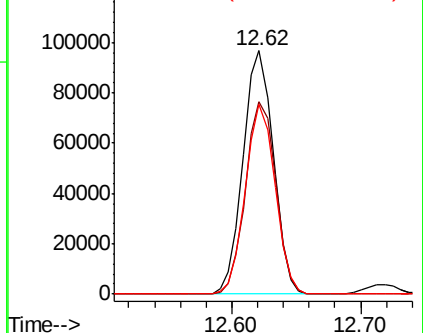
176 76.3 0.0 151.4

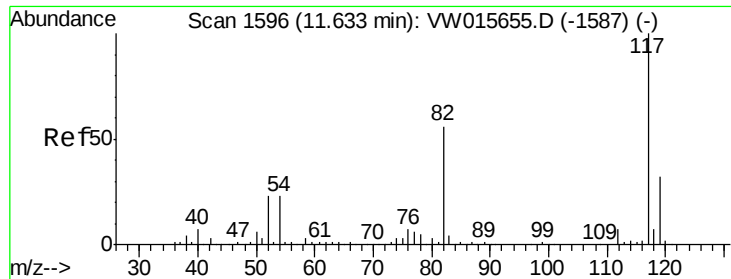


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

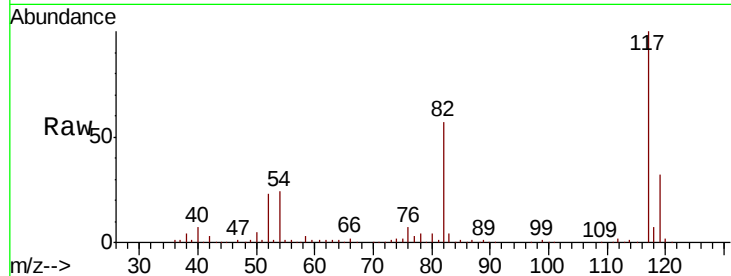




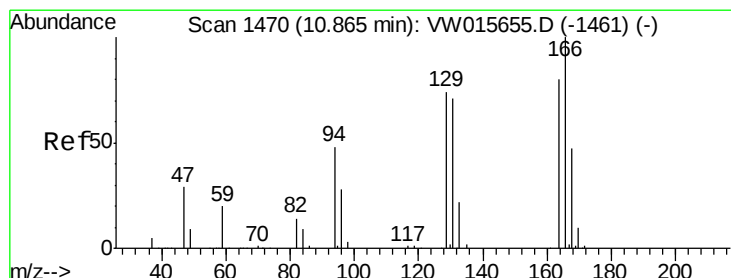
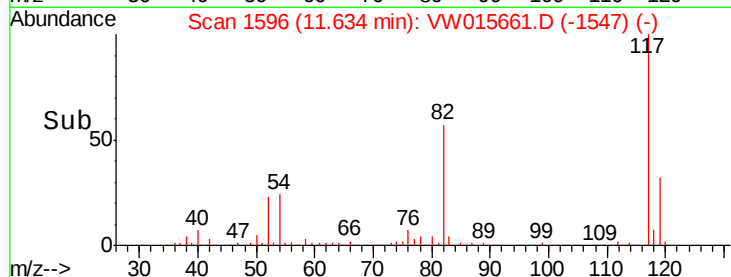
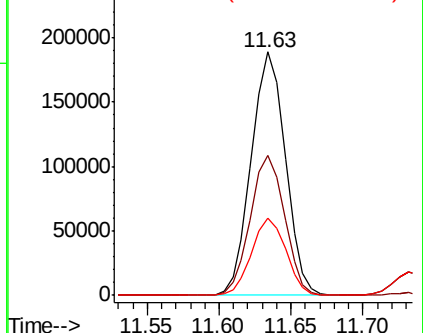
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

Tot Ion:117 Resp: 310329
Ion Ratio Lower Upper
117 100
82 57.5 45.1 67.7
119 32.0 25.8 38.8

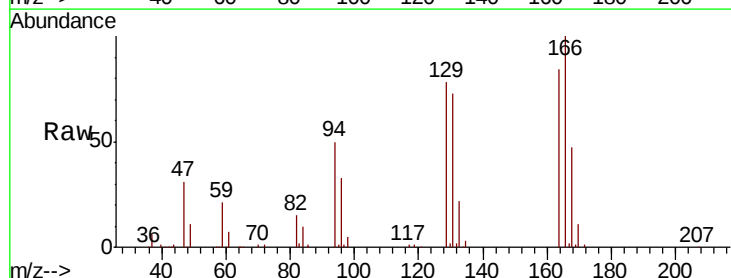


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

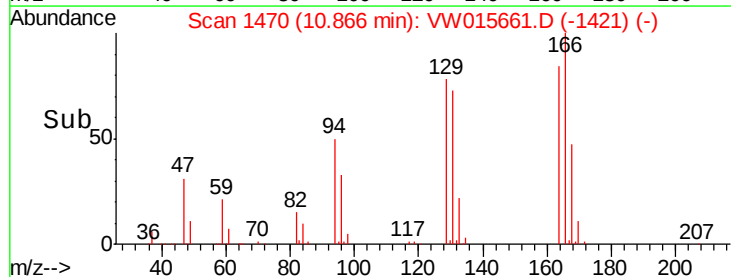
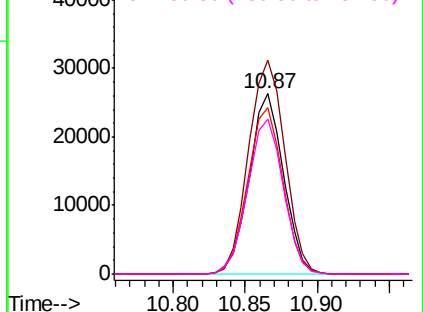


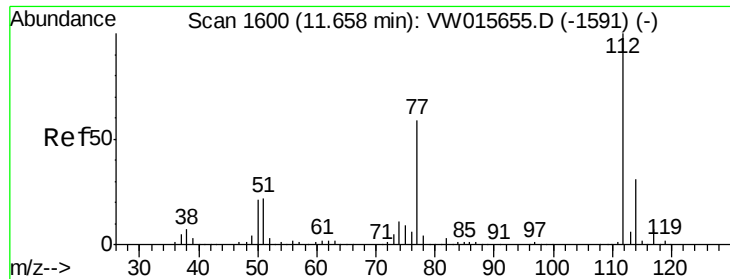
#64
Tetrachloroethene
Concen: 19.851 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion:164 Resp: 43279
Ion Ratio Lower Upper
164 100
166 118.5 99.9 149.9
129 92.5 74.2 111.2
131 86.0 71.4 107.0



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

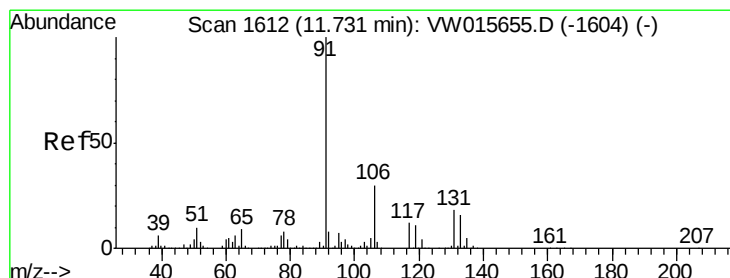
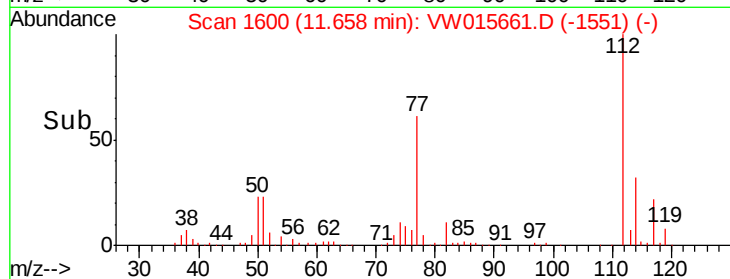
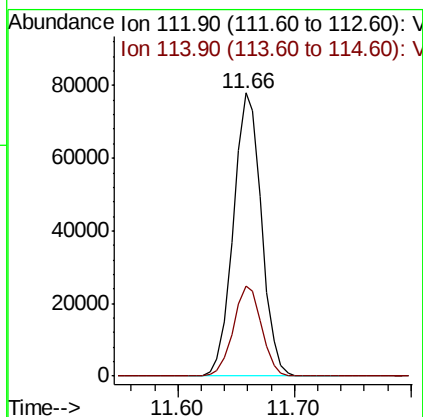
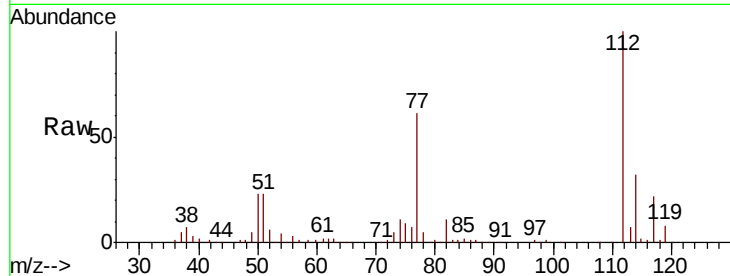




#65
Chlorobenzene
Concen: 19.979 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

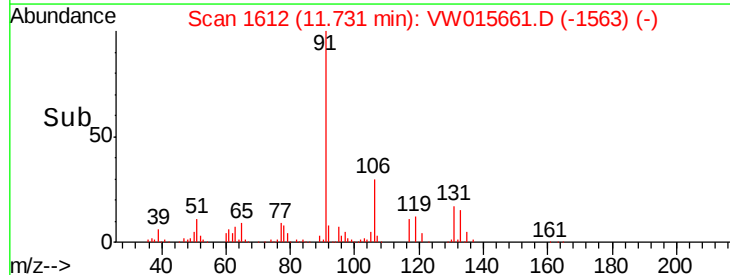
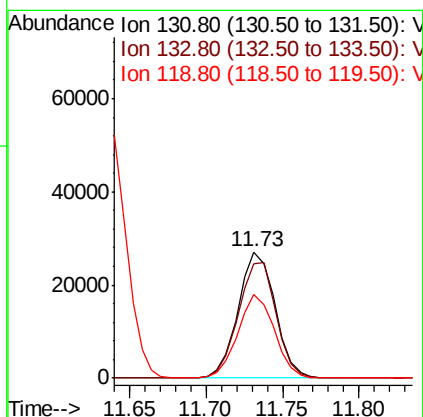
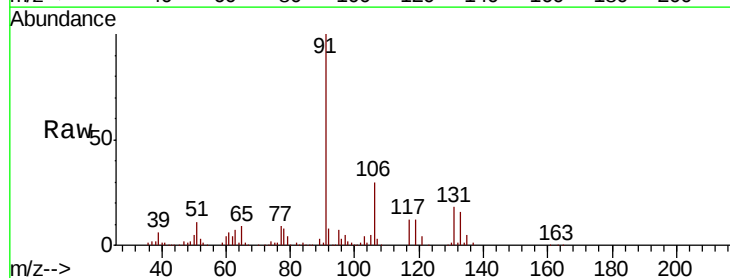
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

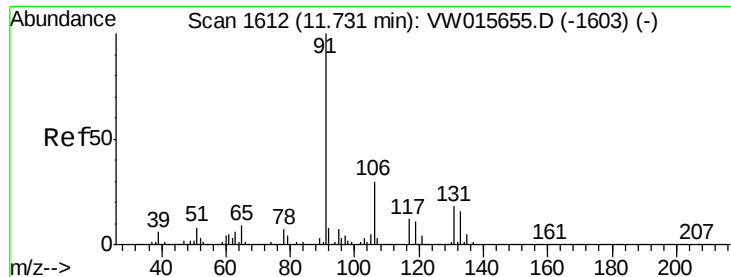
Tot Ion:112 Resp: 130720
Ion Ratio Lower Upper
112 100
114 31.7 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.804 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion:131 Resp: 45432
Ion Ratio Lower Upper
131 100
133 94.0 46.5 139.5
119 65.6 32.5 97.5

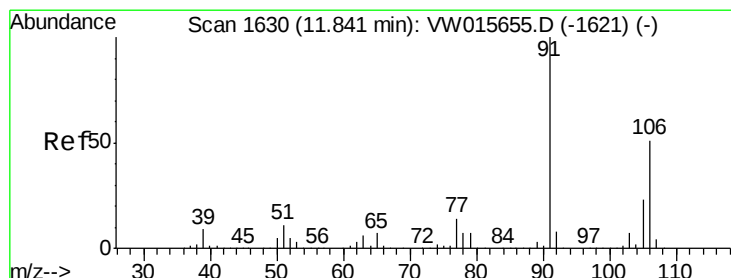
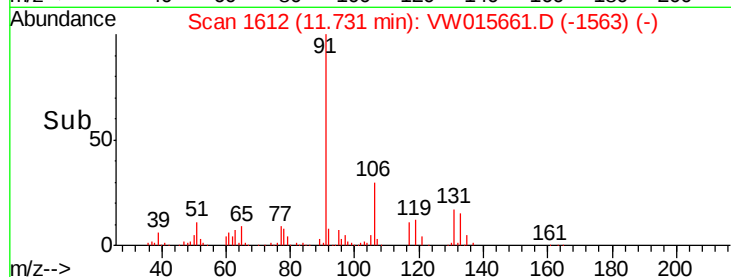
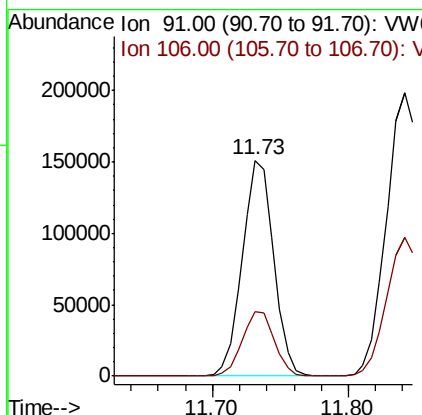
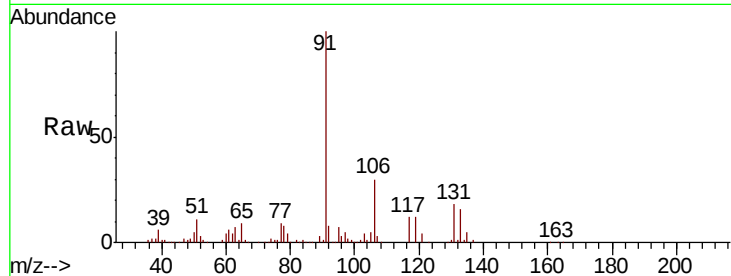




#67
Ethyl Benzene
Concen: 20.053 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

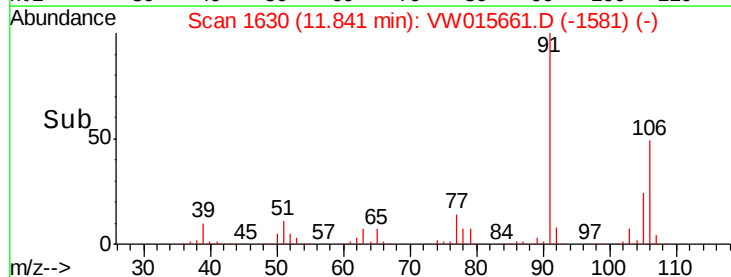
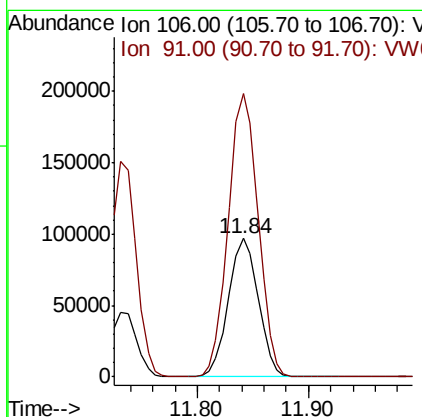
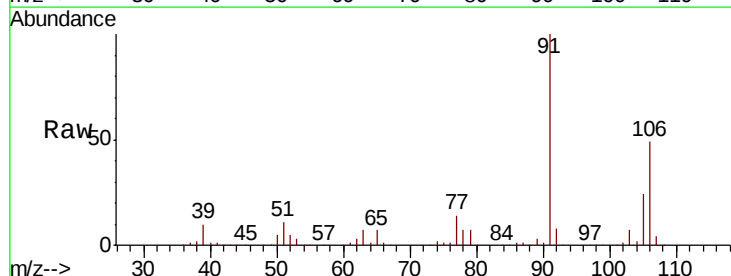
Instrument :
MSVOA_W
ClientSampleID :
VW0623SBSD01

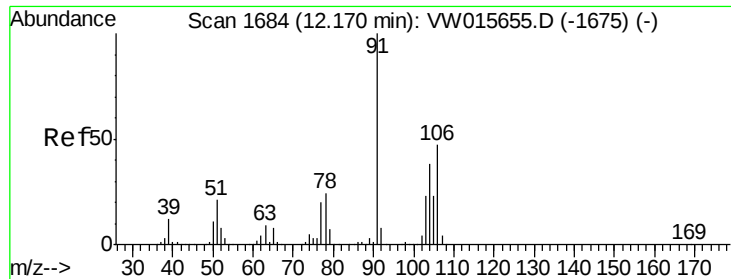
Tot Ion: 91 Resp: 244188
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1



#68
m/p-Xylenes
Concen: 39.449 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 106 Resp: 180378
Ion Ratio Lower Upper
106 100
91 204.8 162.6 244.0

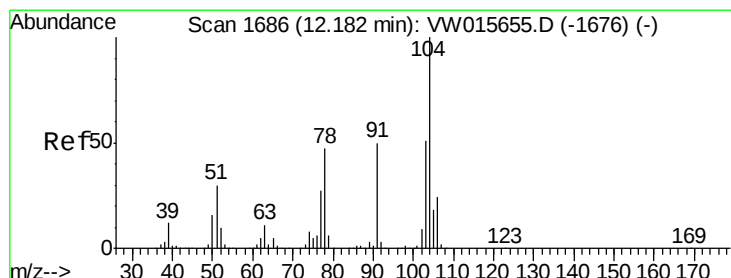
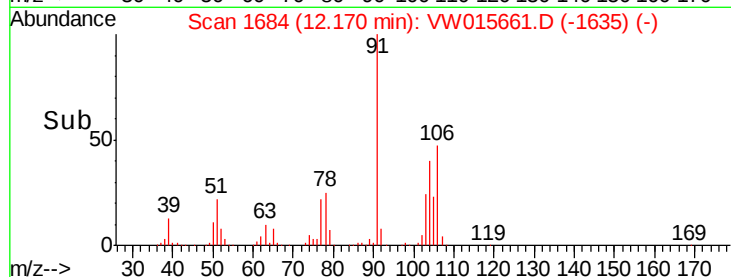
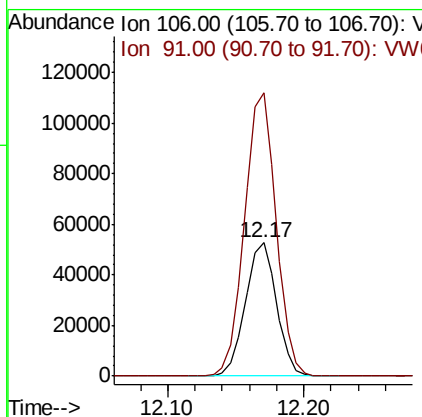
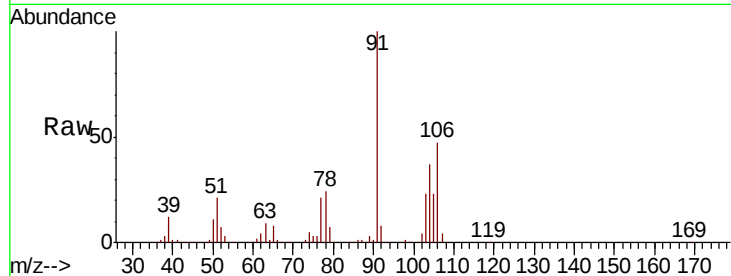




#69
o-Xylene
Concen: 20.155 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

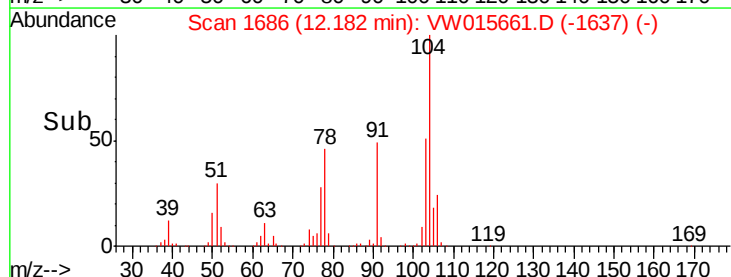
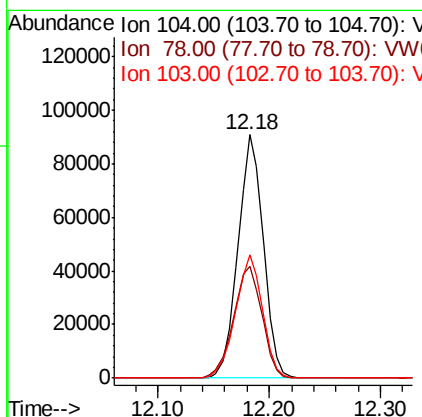
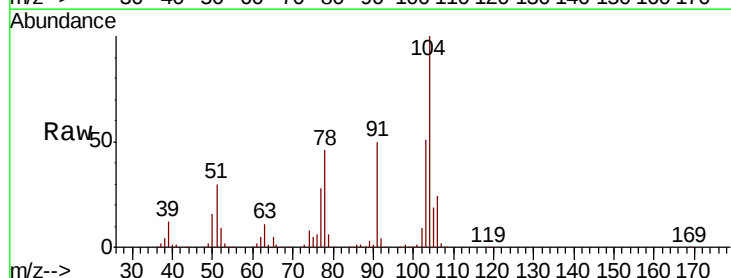
Instrument :
MSVOA_W
ClientSampleId :
VW0623SBSD01

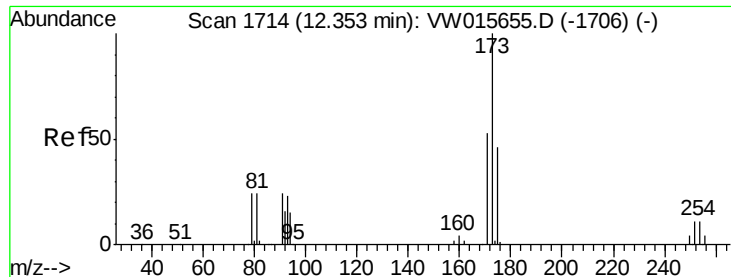
Tot Ion:106 Resp: 84734
Ion Ratio Lower Upper
106 100
91 215.0 108.3 324.9



#70
Styrene
Concen: 19.932 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion:104 Resp: 143171
Ion Ratio Lower Upper
104 100
78 51.7 40.9 61.3
103 54.0 43.1 64.7





#71

Bromoform

Concen: 19.219 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

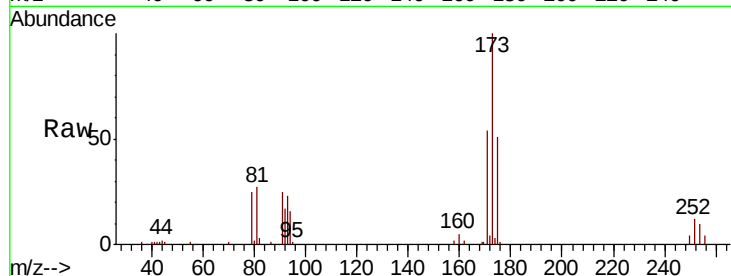
Tot Ion:173 Resp: 20287

Ion Ratio Lower Upper

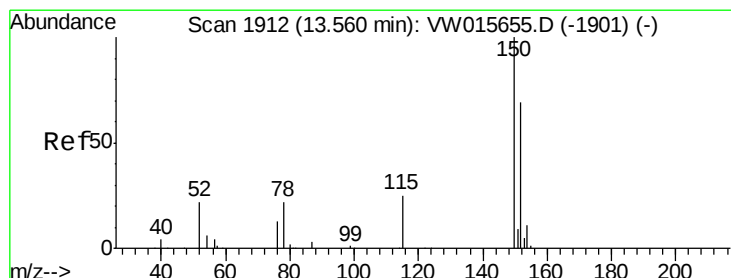
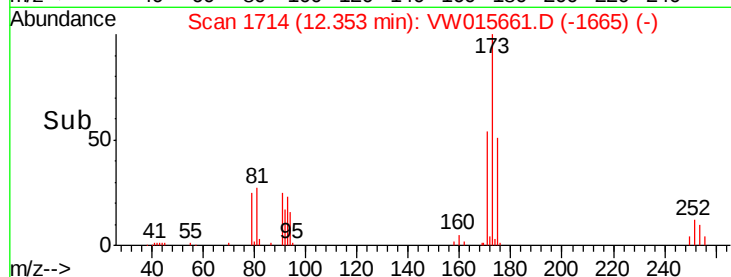
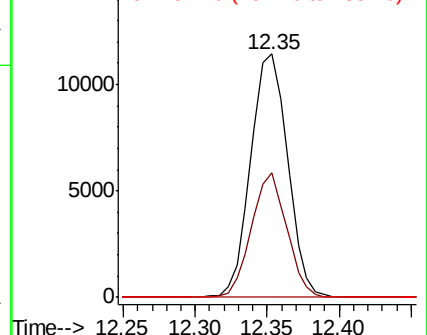
173 100

175 48.7 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: VW015661.D

Acq: 23 Jun 2020 15:03

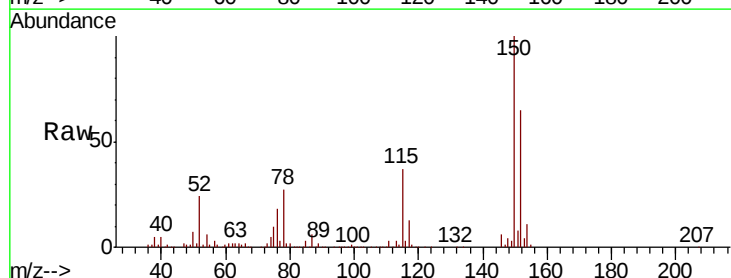
Tgt Ion:152 Resp: 159037

Ion Ratio Lower Upper

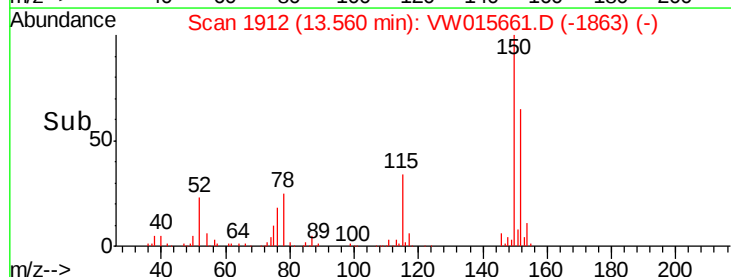
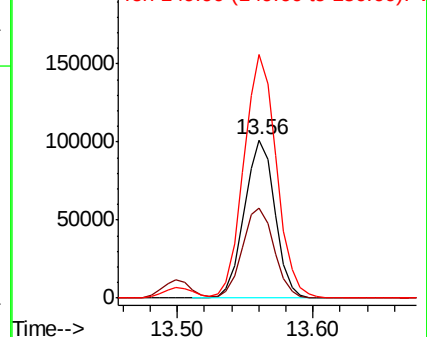
152 100

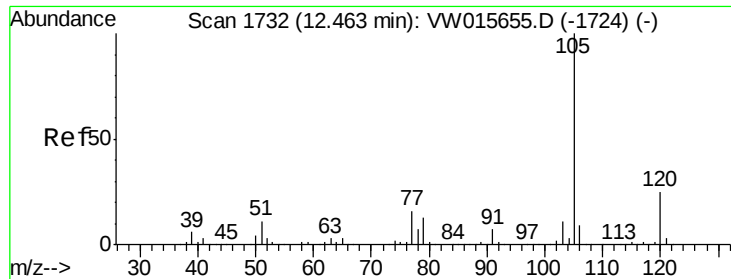
115 59.2 30.1 90.5

150 164.1 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: 19.691 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

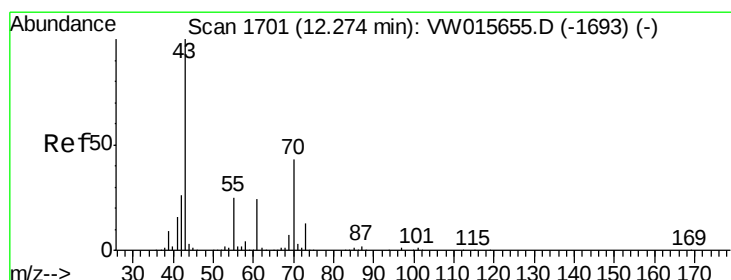
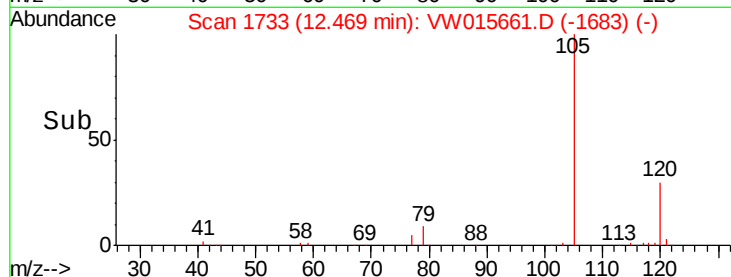
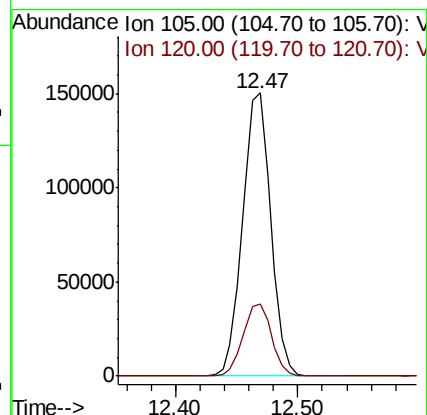
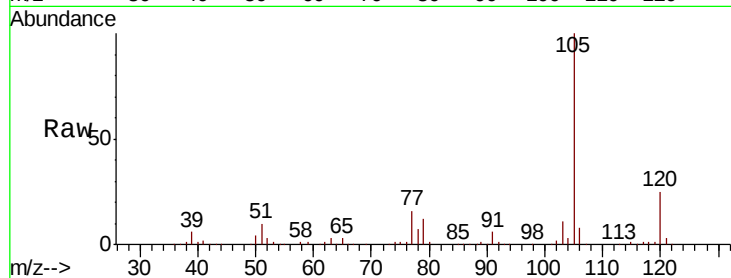
VW0623SBSD01

Tot Ion:105 Resp: 238890

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



#74

N-ethyl acetate

Concen: 19.971 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Tgt Ion: 43 Resp: 51362

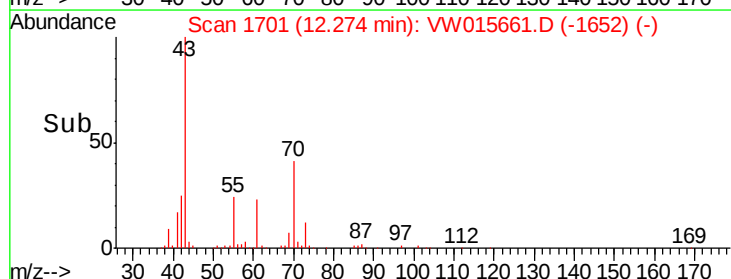
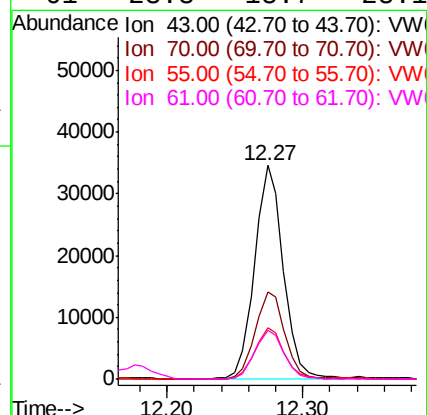
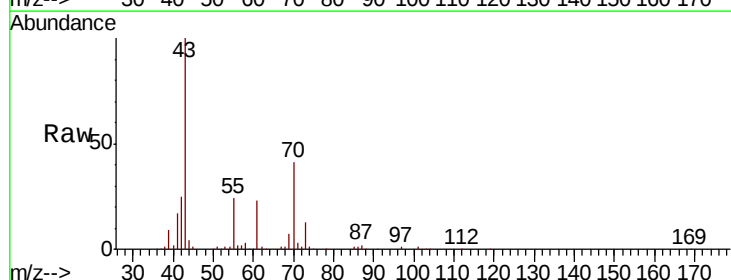
Ion Ratio Lower Upper

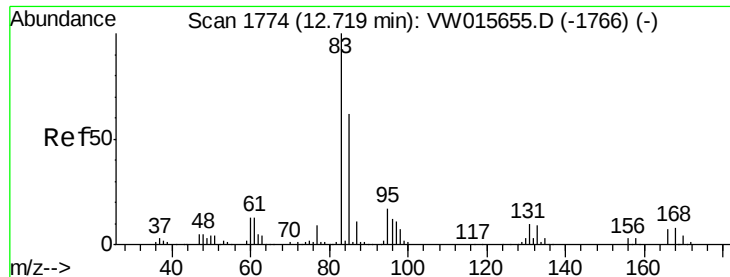
43 100

70 42.0 33.6 50.4

55 24.8 19.7 29.5

61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.544 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBSD01

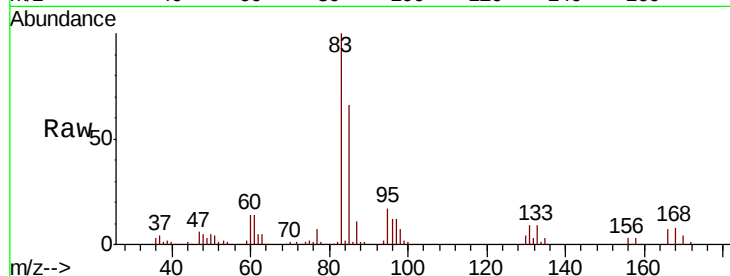
Tot Ion: 83 Resp: 37932

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

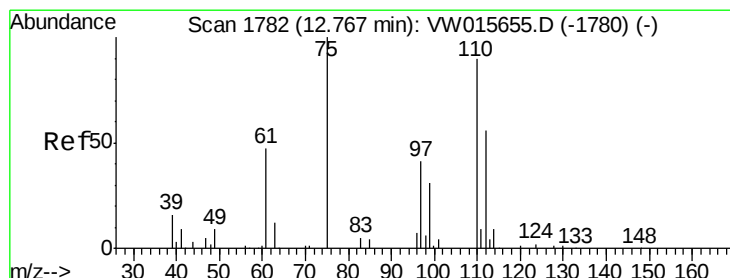
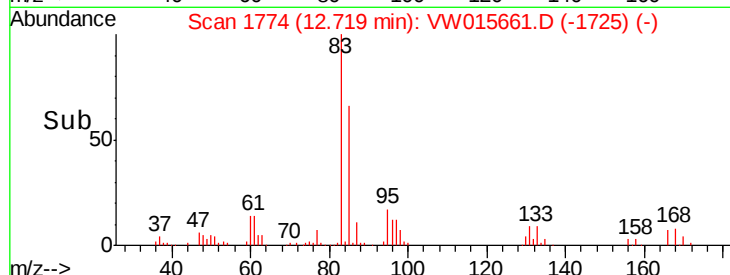
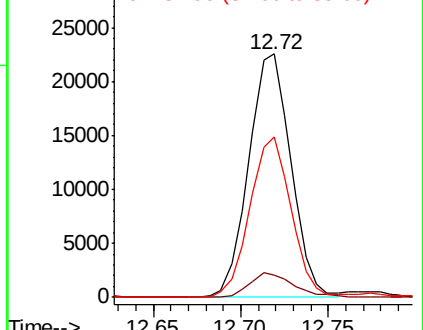
85 64.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 34.376 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015661.D

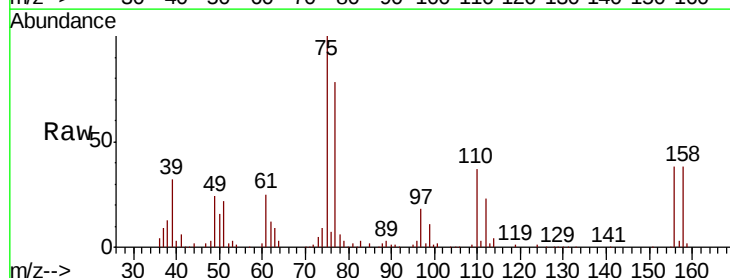
Acq: 23 Jun 2020 15:03

Tgt Ion: 75 Resp: 49868

Ion Ratio Lower Upper

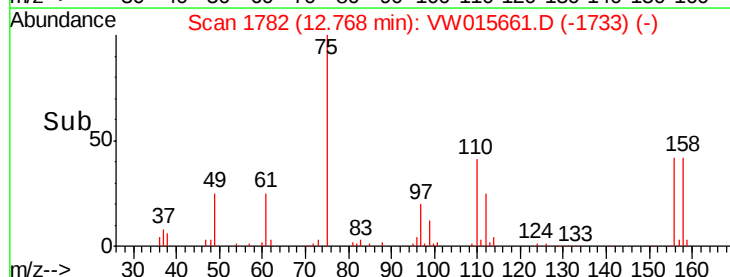
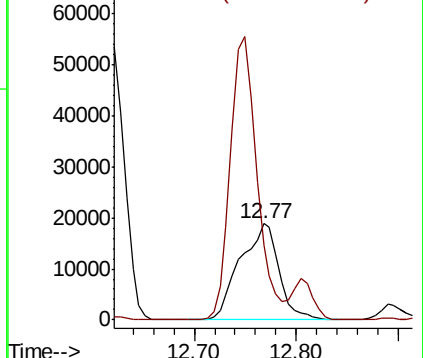
75 100

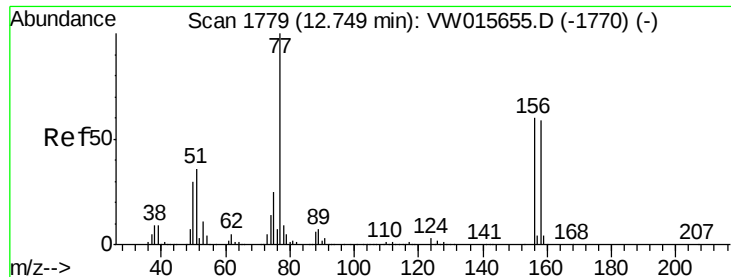
77 201.7 179.1 537.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

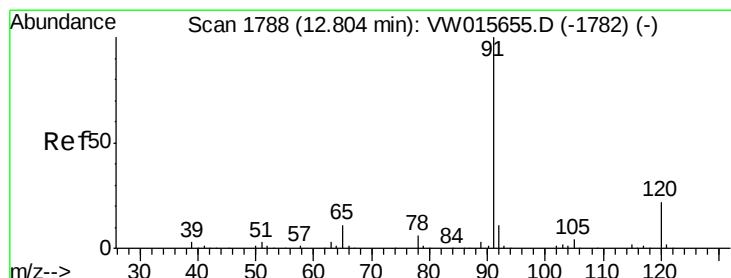
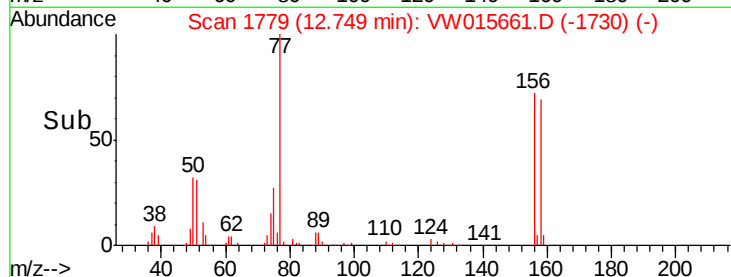
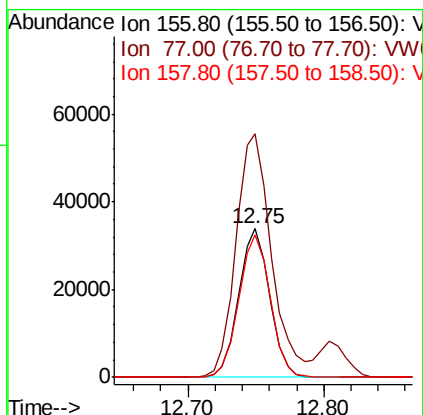
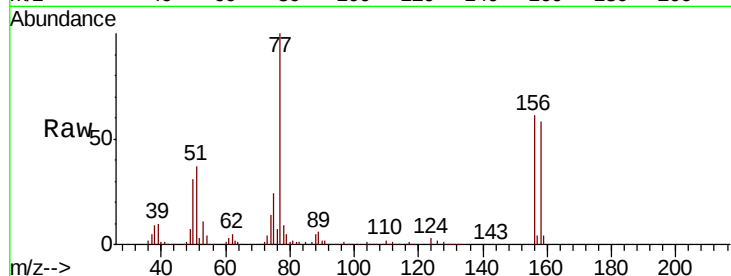




#77
Bromobenzene
Concen: 19.919 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

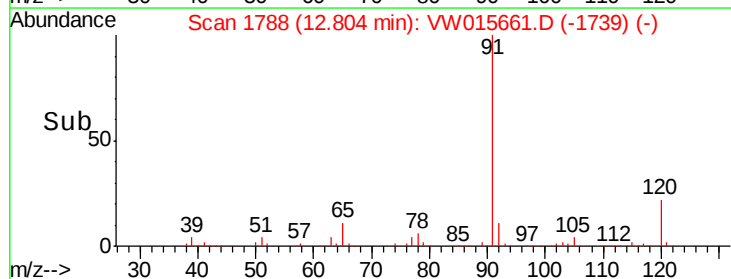
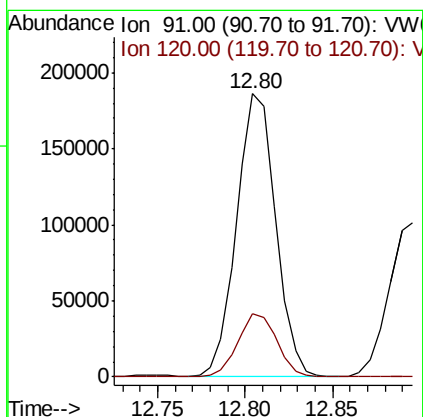
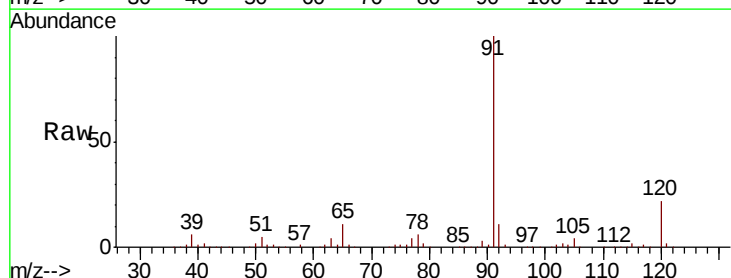
Instrument :
MSVOA_W
ClientSampled :
VW0623SBSD01

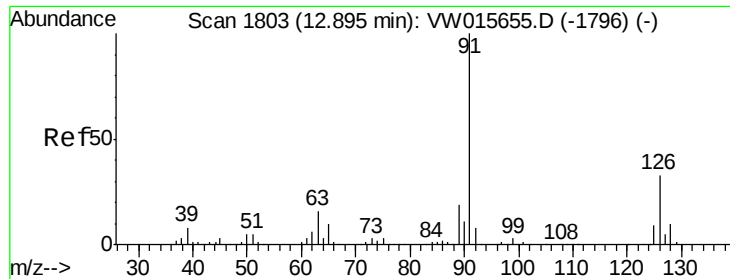
Tot Ion:156 Resp: 53885
Ion Ratio Lower Upper
156 100
77 186.6 94.5 283.5
158 97.0 47.9 143.6



#78
n-propylbenzene
Concen: 19.772 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion: 91 Resp: 288739
Ion Ratio Lower Upper
91 100
120 22.3 11.2 33.5

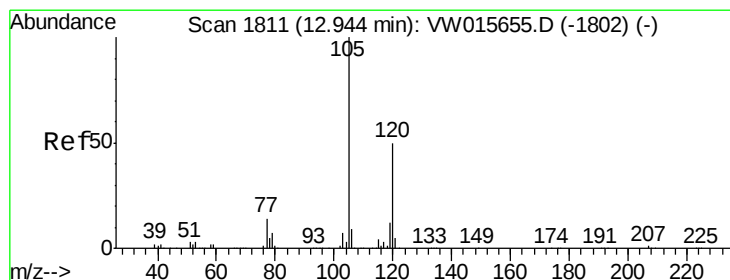
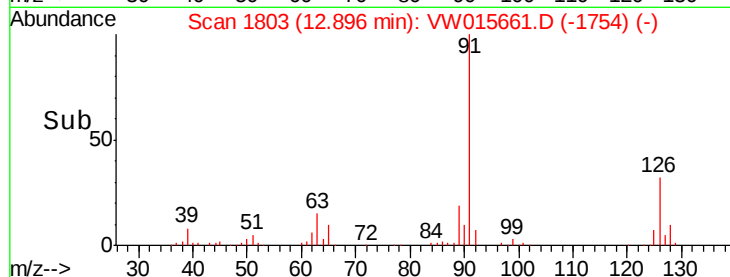
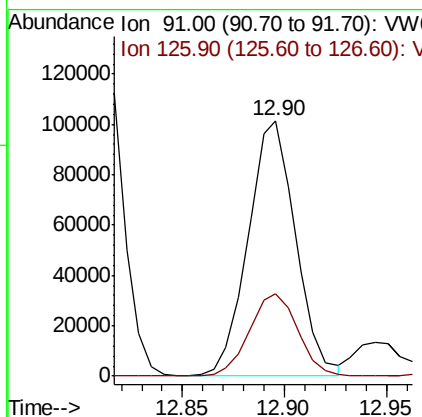
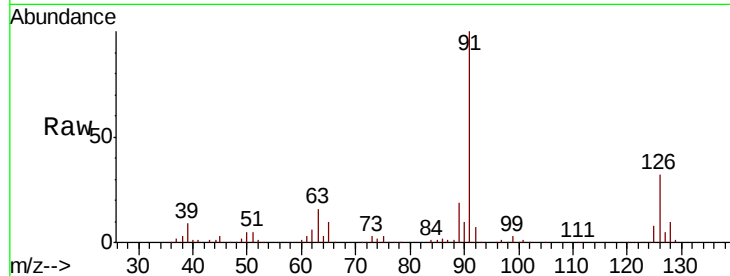




#79
 2-Chlorotoluene
 Concen: 19.967 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

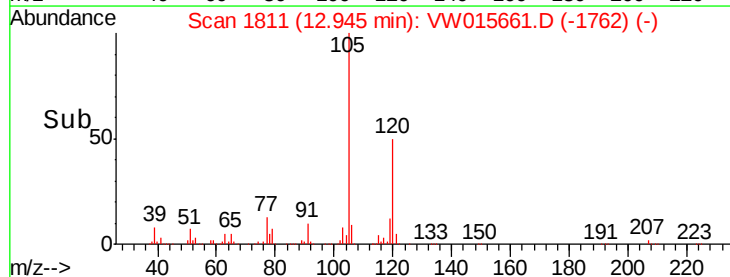
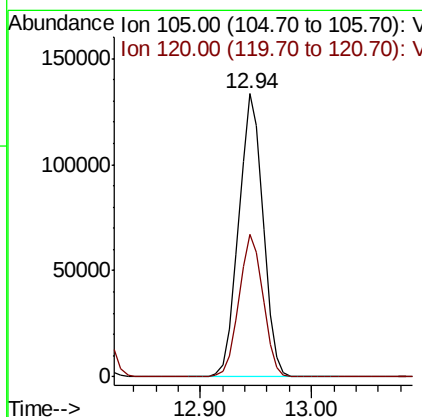
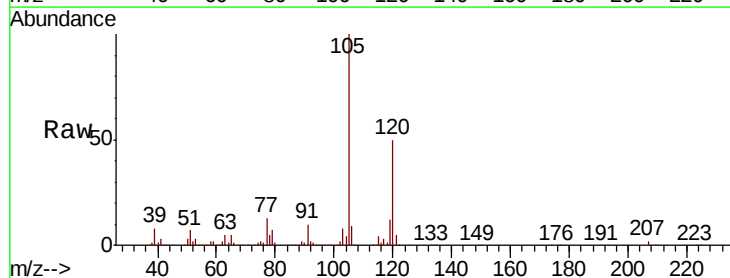
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBSD01

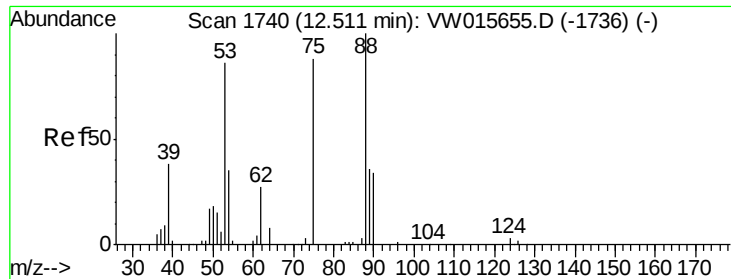
Tot Ion: 91 Resp: 164180
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.627 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion: 105 Resp: 201761
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.586 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBSD01

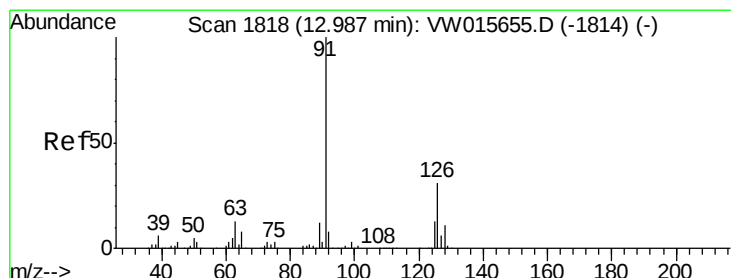
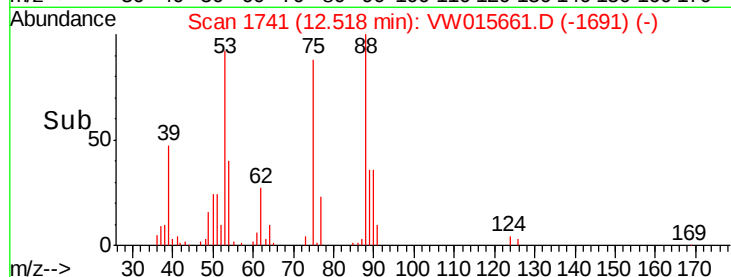
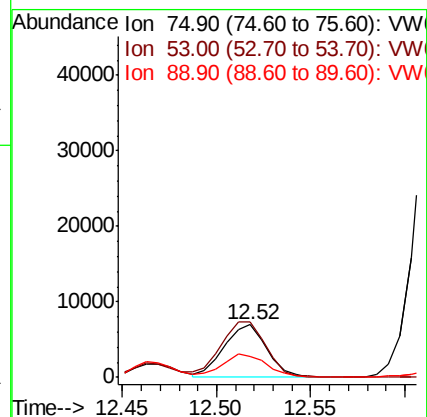
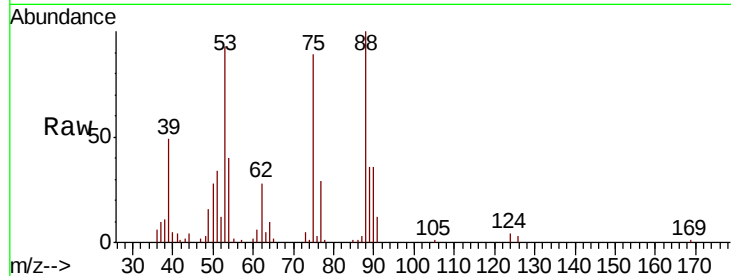
Tot Ion: 75 Resp: 10699

Ion Ratio Lower Upper

75 100

53 117.8 83.8 125.8

89 46.8 36.6 55.0



#82

4-Chlorotoluene

Concen: 19.528 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015661.D

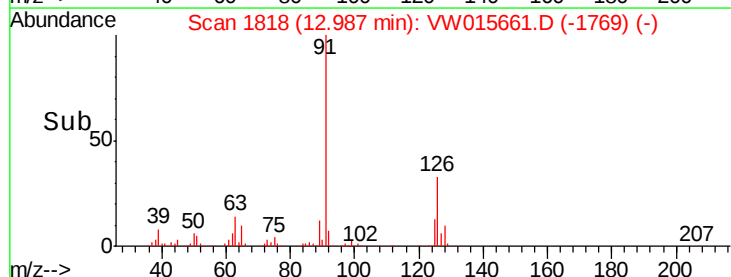
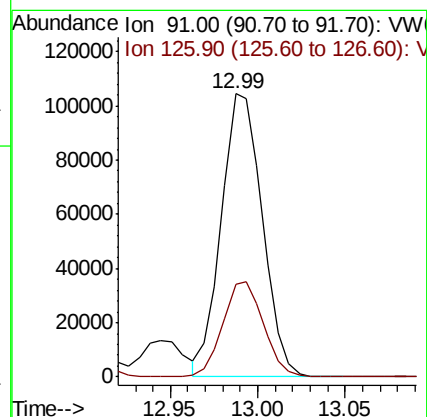
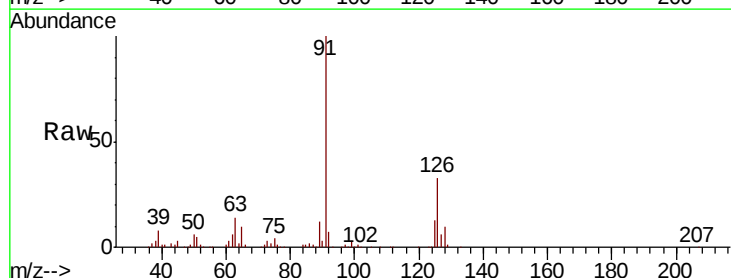
Acq: 23 Jun 2020 15:03

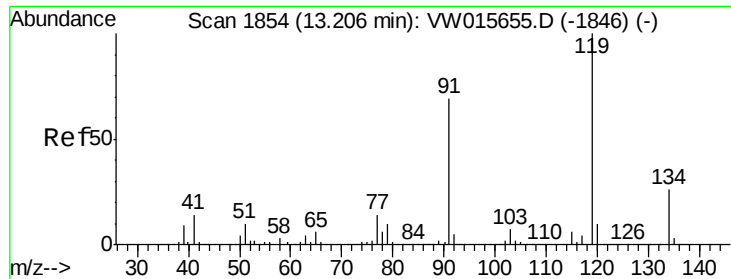
Tgt Ion: 91 Resp: 169869

Ion Ratio Lower Upper

91 100

126 33.3 16.3 48.9

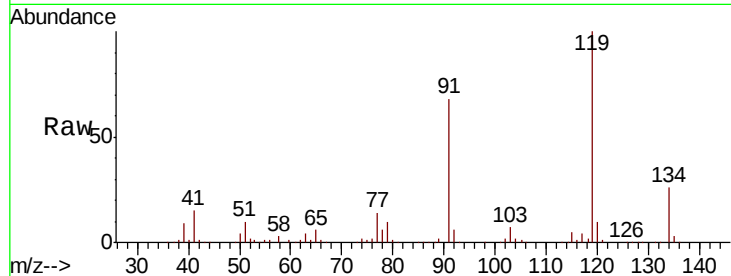




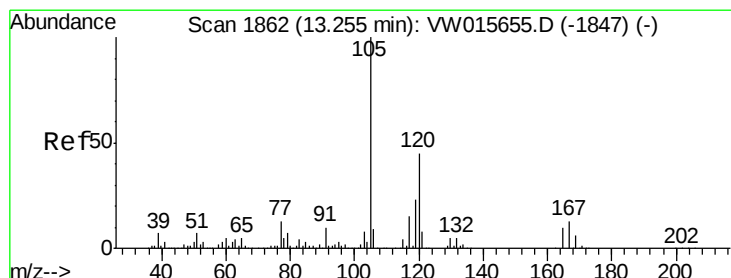
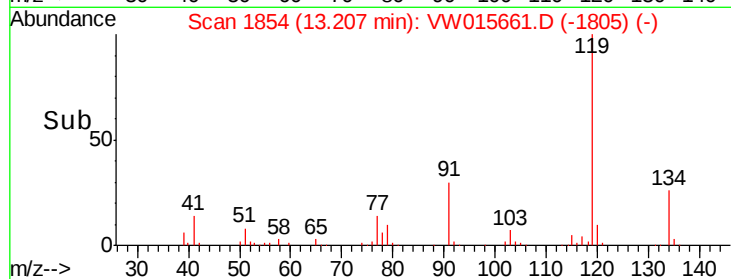
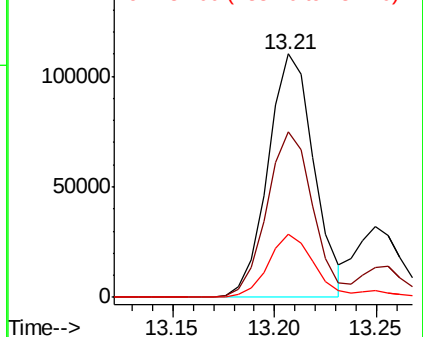
#83
tert-Butylbenzene
Concen: 19.966 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Instrument :
MSVOA_W
ClientSampleId :
VW0623SBS01

Tot Ion:119 Resp: 173416
Ion Ratio Lower Upper
119 100
91 68.8 34.7 104.1
134 25.5 13.8 41.4

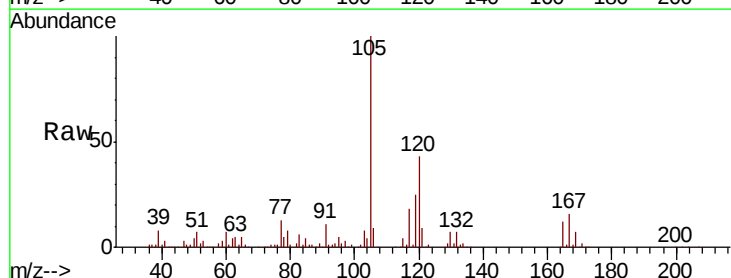


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

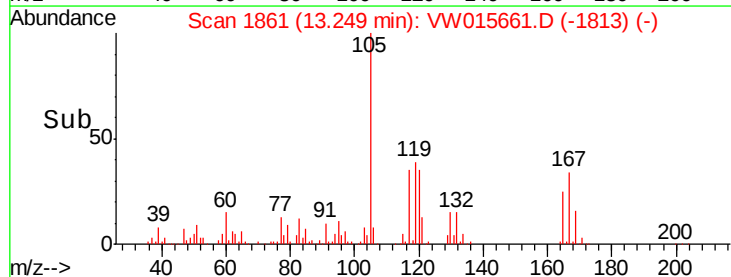
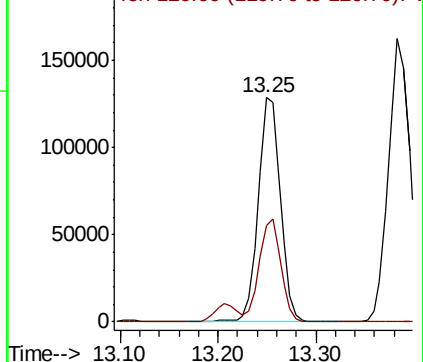


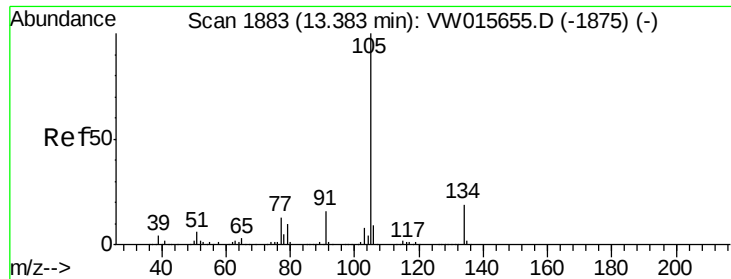
#84
1,2,4-Trimethylbenzene
Concen: 19.897 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW015661.D
Acq: 23 Jun 2020 15:03

Tgt Ion:105 Resp: 203980
Ion Ratio Lower Upper
105 100
120 45.1 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

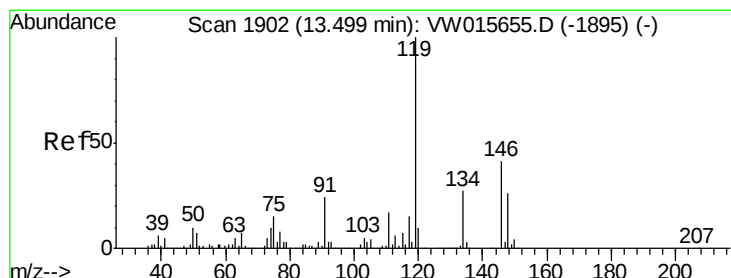
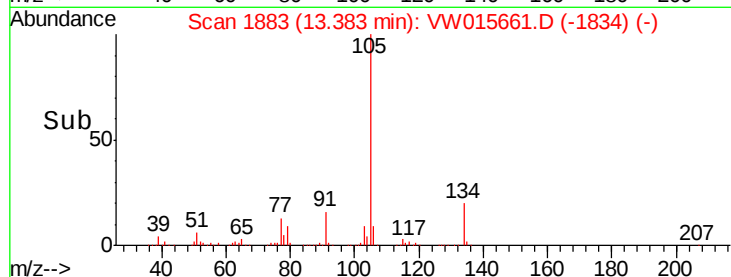
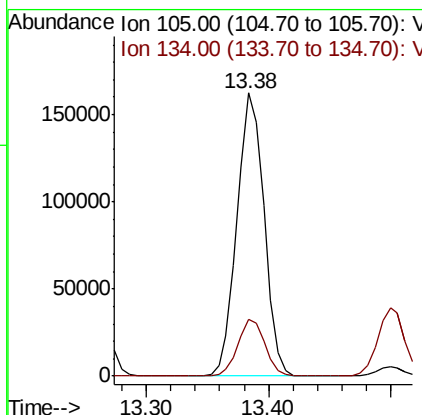
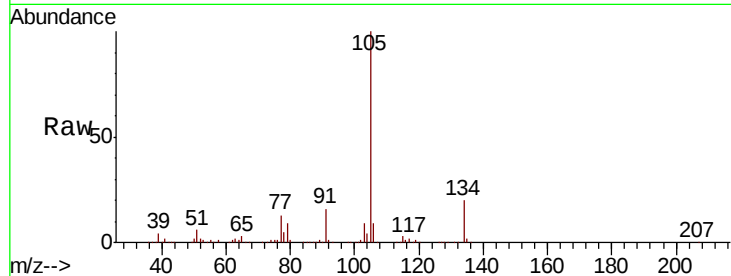




#85
 sec-Butylbenzene
 Concen: 20.059 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

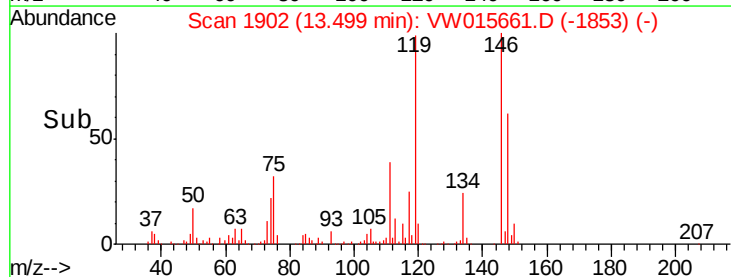
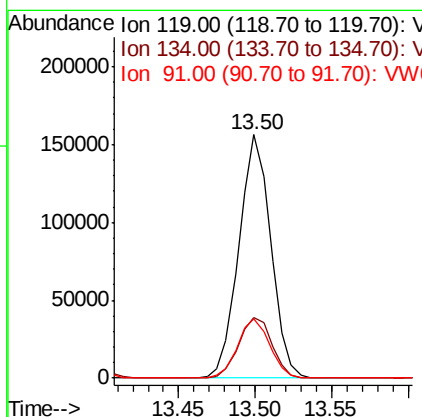
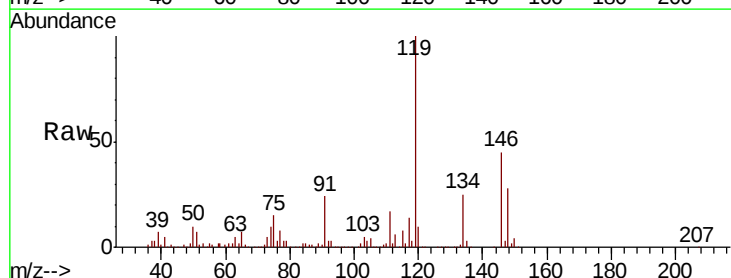
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

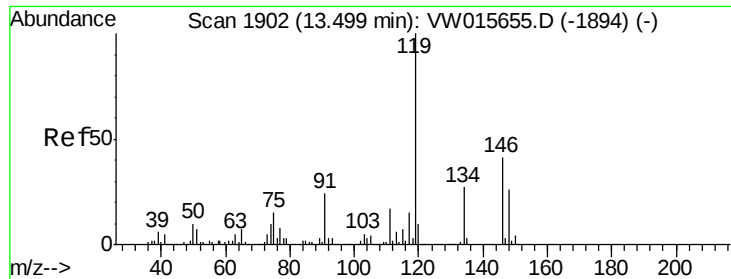
Tot Ion:105 Resp: 249000
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 20.004 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion:119 Resp: 225608
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.5 40.4
 91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.074 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

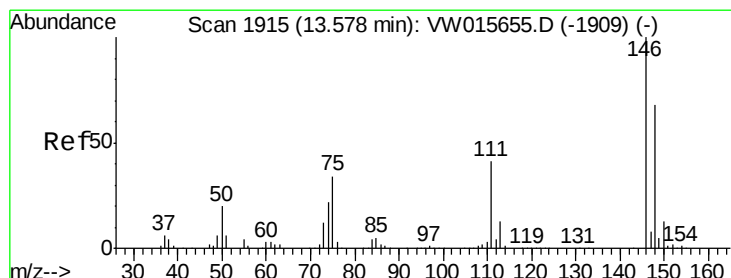
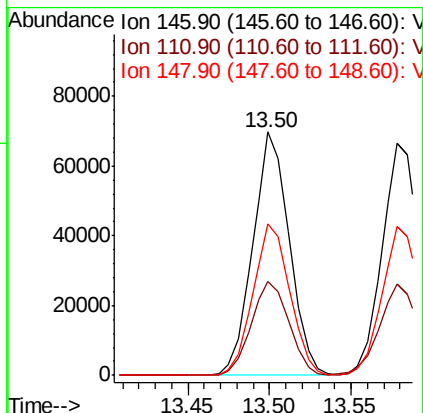
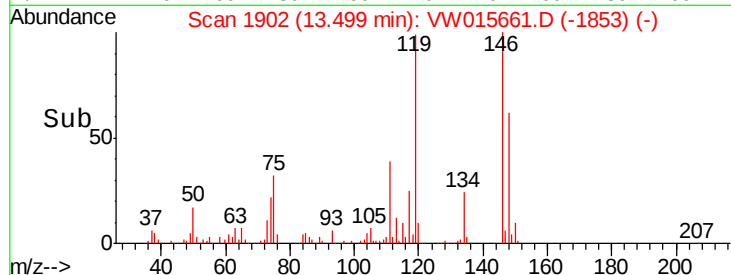
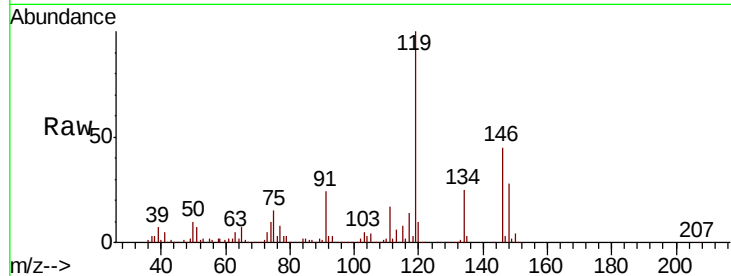
Tot Ion:146 Resp: 107799

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.8

148 63.0 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 19.908 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

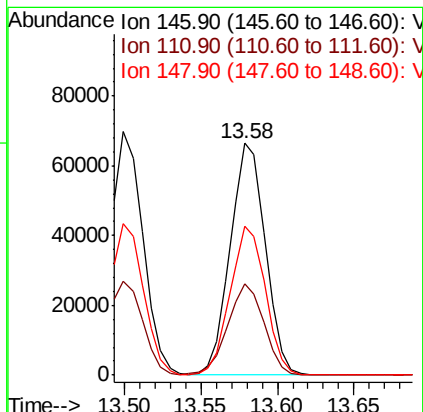
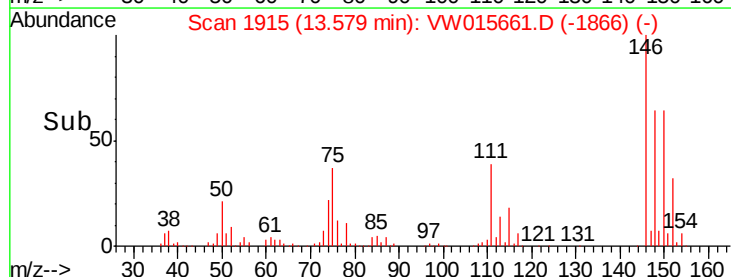
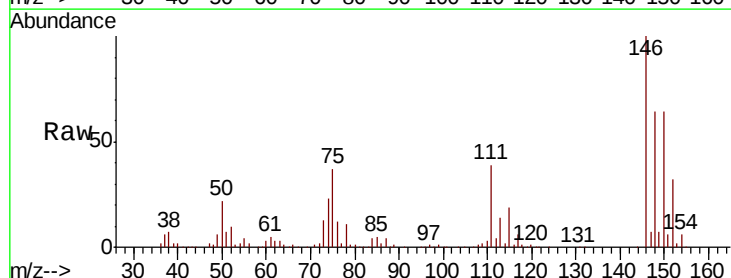
Tgt Ion:146 Resp: 105885

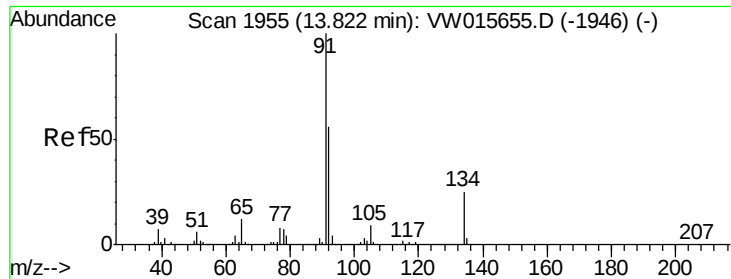
Ion Ratio Lower Upper

146 100

111 40.7 20.3 60.9

148 64.5 33.7 101.1





#89

n-Butylbenzene

Concen: 19.999 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBS01

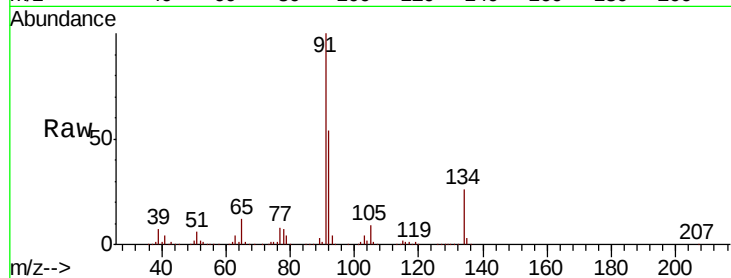
Tot Ion: 91 Resp: 216531

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.4

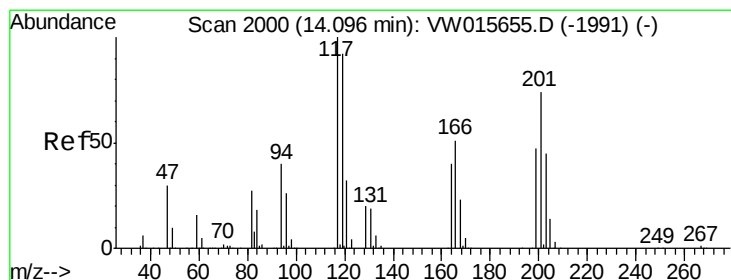
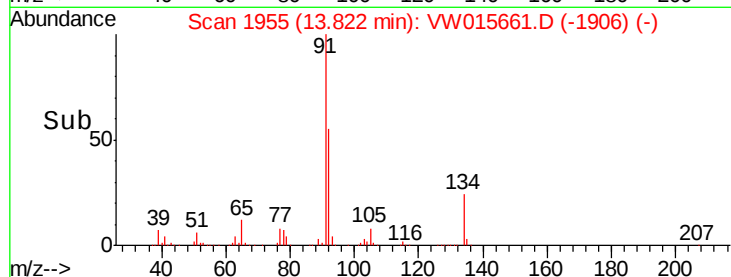
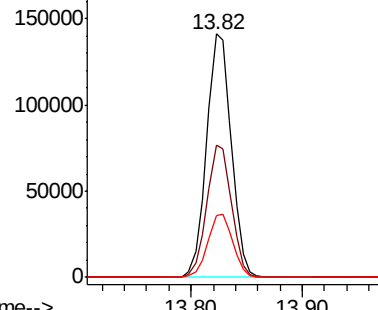
134 26.2 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.549 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW015661.D

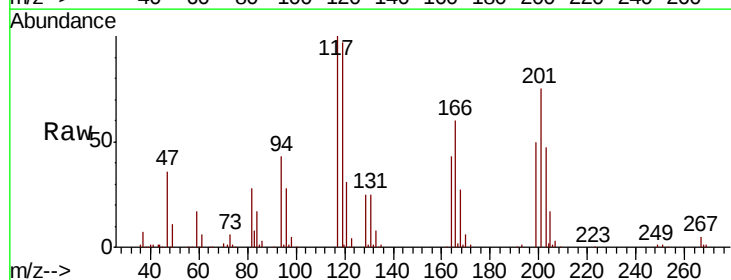
Acq: 23 Jun 2020 15:03

Tgt Ion: 117 Resp: 39238

Ion Ratio Lower Upper

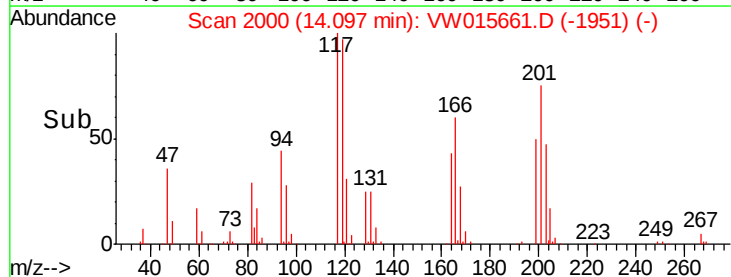
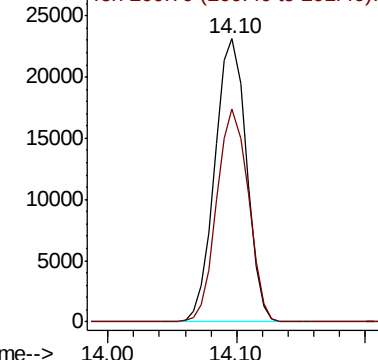
117 100

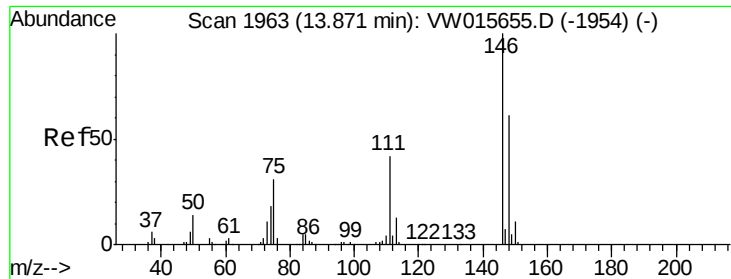
201 75.2 37.1 111.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.014 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBSD01

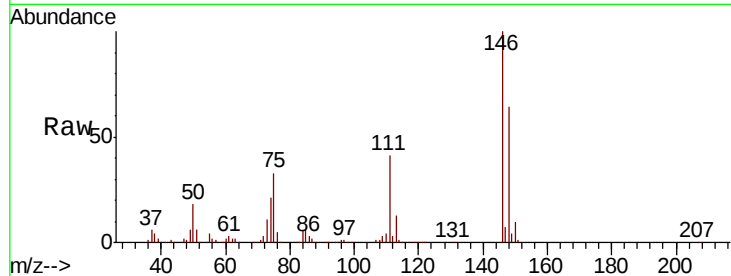
Tot Ion:146 Resp: 92928

Ion Ratio Lower Upper

146 100

111 42.2 21.3 63.7

148 63.8 32.2 96.6

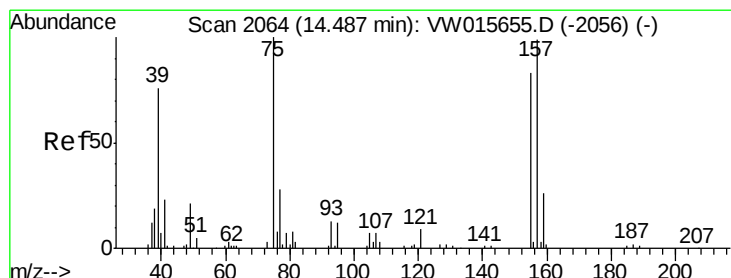
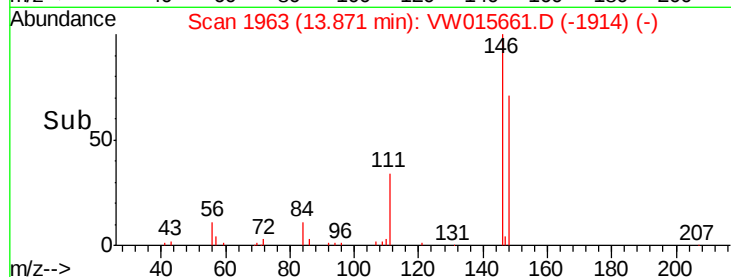
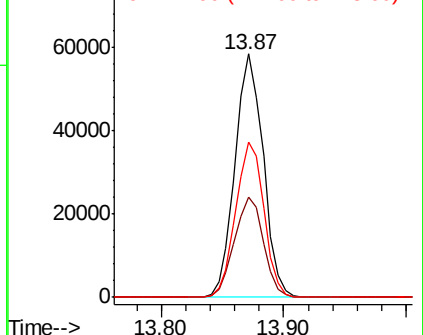


Abundance

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: 20.300 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

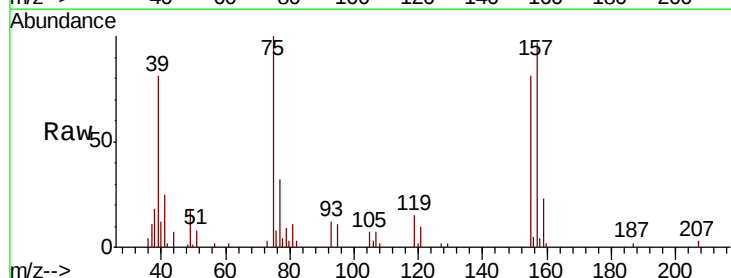
Tgt Ion: 75 Resp: 6309

Ion Ratio Lower Upper

75 100

155 77.5 40.8 122.2

157 97.0 50.7 152.1

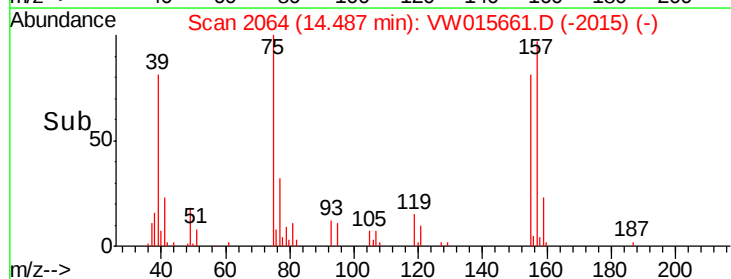
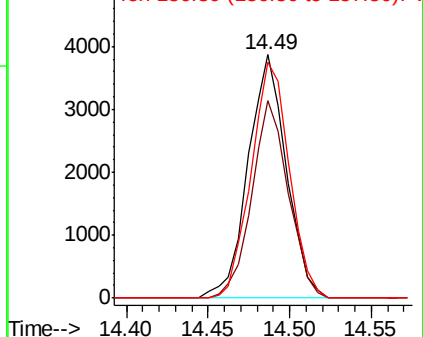


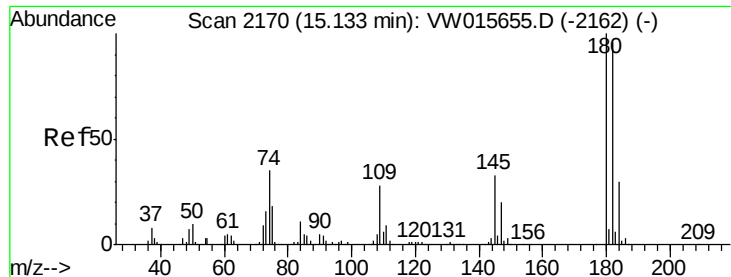
Abundance

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

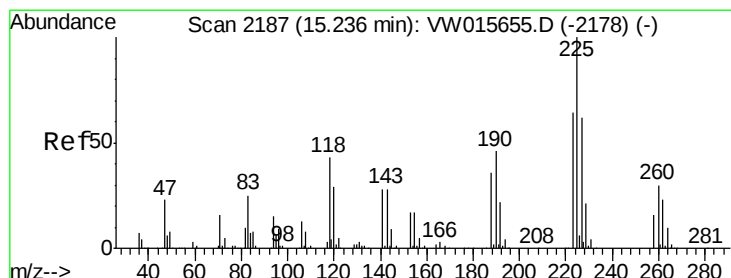
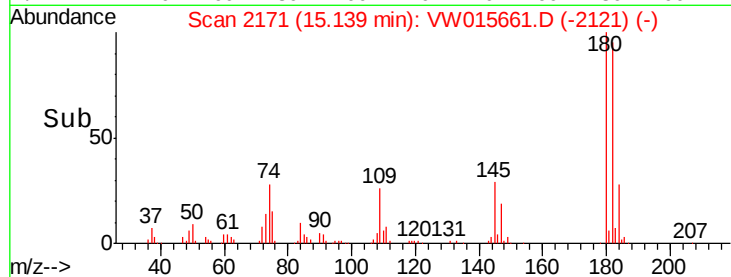
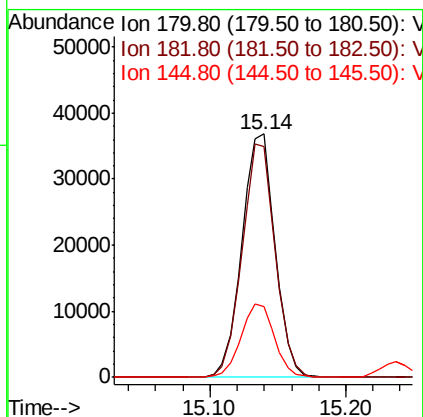
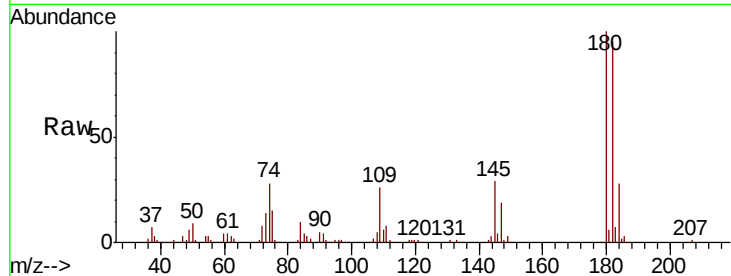




#93
 1,2,4-Trichlorobenzene
 Concen: 20.424 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

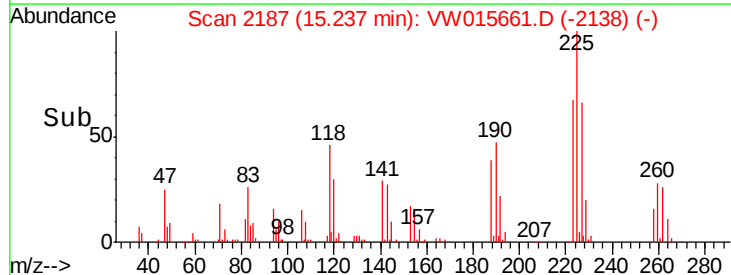
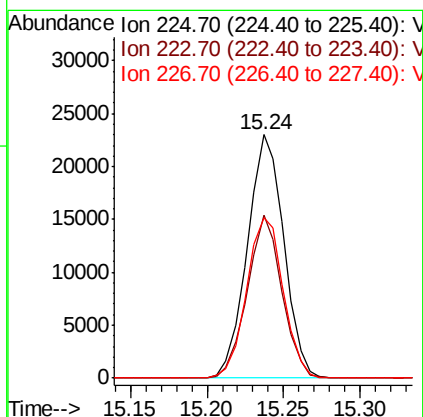
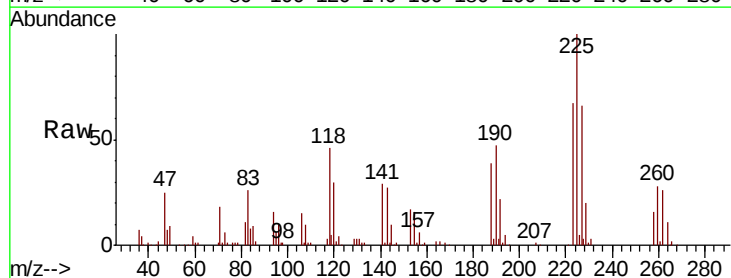
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

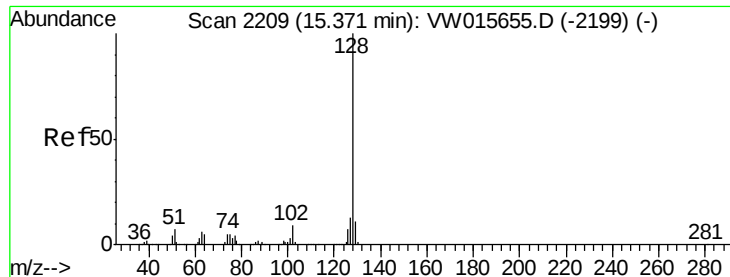
Tot Ion:180 Resp: 62624
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.6
 145 30.3 15.6 46.7



#94
 Hexachlorobutadiene
 Concen: 19.504 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015661.D
 Acq: 23 Jun 2020 15:03

Tgt Ion:225 Resp: 38098
 Ion Ratio Lower Upper
 225 100
 223 63.4 31.0 93.0
 227 66.2 31.9 95.9





#95

Naphthalene

Concen: 20.436 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

Instrument :

MSVOA_W

ClientSampleId :

VW0623SBSD01

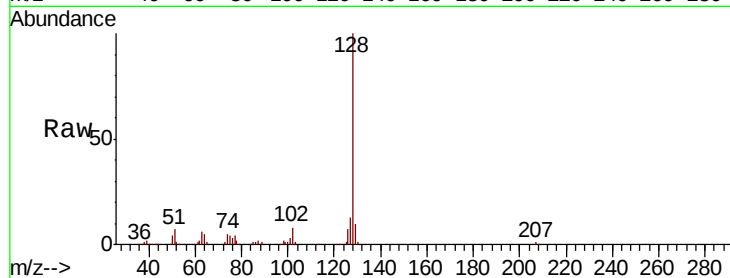
Tot Ion:128 Resp: 103641

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

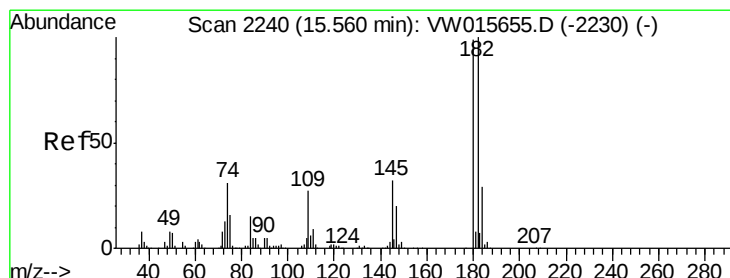
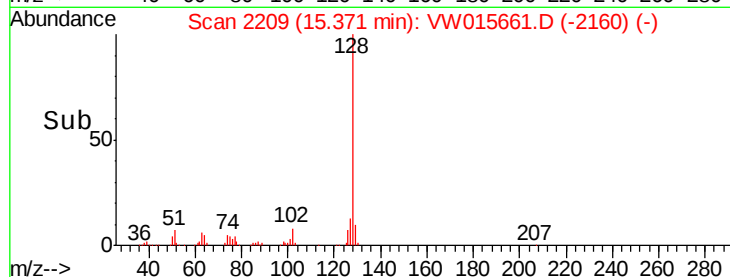
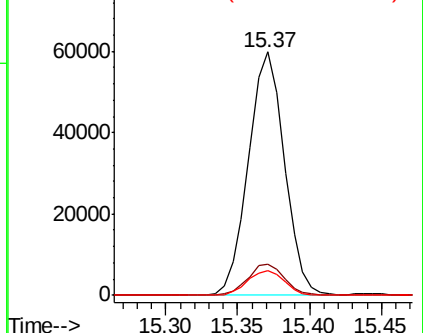
129 10.4 8.8 13.2



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: 19.846 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW015661.D

Acq: 23 Jun 2020 15:03

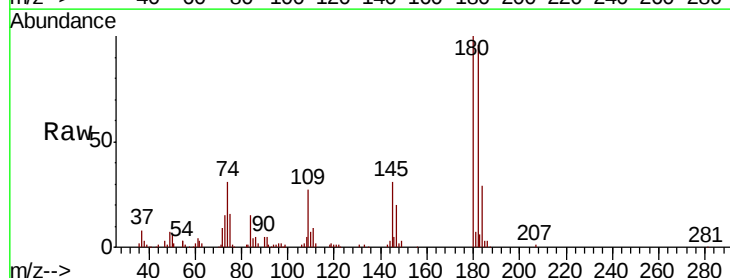
Tgt Ion:180 Resp: 52393

Ion Ratio Lower Upper

180 100

182 96.7 49.0 147.0

145 31.9 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

