

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011320\
 Data File : VW014615.D
 Acq On : 13 Jan 2020 11:12
 Operator : SY/VA
 Sample : VW0113SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

Quant Time: Jan 14 12:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	727276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1086739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	925971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	454318	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	325877	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.88	113	326371	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.32	98	1372862	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	454916	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	93930	22.874	ug/l 96
3) Chloromethane	2.21	50	114398	22.760	ug/l 97
4) Vinyl Chloride	2.36	62	167118	22.605	ug/l 100
5) Bromomethane	2.77	94	100794	22.071	ug/l 97
6) Chloroethane	2.92	64	91481	21.708	ug/l 96
7) Trichlorofluoromethane	3.25	101	79995	21.627	ug/l 93
8) Diethyl Ether	3.68	74	74608	20.272	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	153185	22.165	ug/l 99
10) Methyl Iodide	4.27	142	217833	20.890	ug/l 99
11) Tert butyl alcohol	5.16	59	48659	84.023	ug/l 97
12) 1,1-Dichloroethene	4.04	96	153975	21.275	ug/l 97
13) Acrolein	3.89	56	48831	87.985	ug/l 99
14) Allyl chloride	4.66	41	231354	20.918	ug/l 99
15) Acrylonitrile	5.35	53	166273	98.841	ug/l 99
16) Acetone	4.11	43	162095	90.279	ug/l 97
17) Carbon Disulfide	4.38	76	453648	20.796	ug/l 97
18) Methyl Acetate	4.66	43	85196	19.647	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	190793	21.237	ug/l 99
20) Methylene Chloride	4.91	84	180025	22.285	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	161512	21.017	ug/l 95
22) Diisopropyl ether	6.31	45	438625	21.188	ug/l 98
23) Vinyl Acetate	6.25	43	1261136	100.885	ug/l 99
24) 1,1-Dichloroethane	6.21	63	280894	21.511	ug/l 100
25) 2-Butanone	7.17	43	219349	95.196	ug/l 97
26) 2,2-Dichloropropane	7.16	77	159243	22.026	ug/l 97
27) cis-1,2-Dichloroethene	7.17	96	169821	21.030	ug/l 99
28) Bromochloromethane	7.51	49	96451	18.840	ug/l 98
29) Tetrahydrofuran	7.52	42	136376	95.538	ug/l 99
30) Chloroform	7.67	83	260810	21.358	ug/l 99
31) Cyclohexane	7.95	56	286176	21.088	ug/l 95
32) 1,1,1-Trichloroethane	7.87	97	214036	21.794	ug/l 99
36) 1,1-Dichloropropene	8.07	75	227520	21.717	ug/l 99
37) Ethyl Acetate	7.25	43	91373	19.230	ug/l 98
38) Carbon Tetrachloride	8.06	117	198099	21.795	ug/l 99

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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	9.33	83	279421	20.783	ug/l	97
40) Benzene	8.32	78	632836	21.349	ug/l	98
41) Methacrylonitrile	7.48	41	57257	21.617	ug/l	91
42) 1,2-Dichloroethane	8.40	62	160568	20.874	ug/l	100
43) Isopropyl Acetate	8.42	43	167880	19.457	ug/l	99
44) Trichloroethene	9.09	130	168577	21.017	ug/l	92
45) 1,2-Dichloropropane	9.37	63	153275	21.072	ug/l	96
46) Dibromomethane	9.46	93	72680	20.240	ug/l	98
47) Bromodichloromethane	9.64	83	185132	20.882	ug/l	99
48) Methyl methacrylate	9.43	41	80588	19.130	ug/l	99
49) 1,4-Dioxane	9.44	88	28384	422.618	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	434427	96.956	ug/l	100
52) Toluene	10.38	92	401998	21.557	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	186478	20.315	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	232480	20.723	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	107927	20.579	ug/l	98
56) Ethyl methacrylate	10.64	69	130698	19.176	ug/l	99
57) 1,3-Dichloropropane	10.93	76	190328	20.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	175461	84.647	ug/l	100
59) 2-Hexanone	10.96	43	298765	96.764	ug/l	100
60) Dibromochloromethane	11.13	129	119092	20.126	ug/l	97
61) 1,2-Dibromoethane	11.23	107	100506	20.189	ug/l	98
64) Tetrachloroethene	10.86	164	144669	21.580	ug/l	96
65) Chlorobenzene	11.65	112	405702	21.386	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	138946	21.754	ug/l	98
67) Ethyl Benzene	11.73	91	741489	21.689	ug/l	100
68) m/p-Xylenes	11.84	106	574811	43.931	ug/l	98
69) o-Xylene	12.16	106	257360	21.294	ug/l	98
70) Styrene	12.18	104	444066	21.722	ug/l	100
71) Bromoform	12.35	173	70549	20.250	ug/l #	99
73) Isopropylbenzene	12.46	105	729381	21.880	ug/l	99
74) N-amyl acetate	12.27	43	146028	19.537	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121475	20.189	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	154050	35.863	ug/l #	100
77) Bromobenzene	12.74	156	164036	21.187	ug/l	99
78) n-propylbenzene	12.80	91	860267	21.946	ug/l	99
79) 2-Chlorotoluene	12.89	91	480257	21.529	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	611314	21.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40145	20.823	ug/l	99
82) 4-Chlorotoluene	12.99	91	499887	21.569	ug/l	100
83) tert-Butylbenzene	13.21	119	528920	21.583	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	607438	21.808	ug/l	100
85) sec-Butylbenzene	13.38	105	745992	21.992	ug/l	100
86) p-Isopropyltoluene	13.49	119	682670	22.080	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	324772	21.571	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	321923	21.658	ug/l	99
89) n-Butylbenzene	13.82	91	632116	22.016	ug/l	99
90) Hexachloroethane	14.09	117	114674	21.231	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	286799	21.673	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19596	20.566	ug/l	93

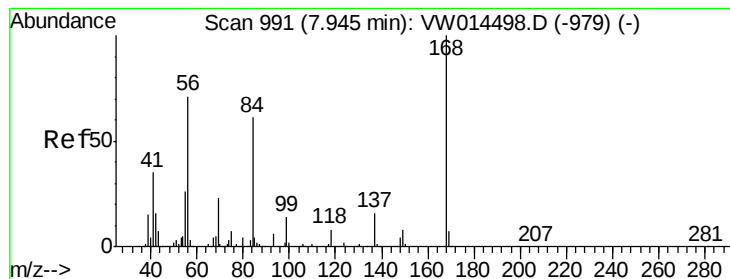
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011320\
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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	192993	21.597	ug/l	100
94) Hexachlorobutadiene	15.24	225	129940	21.698	ug/l	98
95) Naphthalene	15.37	128	301699	19.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	163723	21.019	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

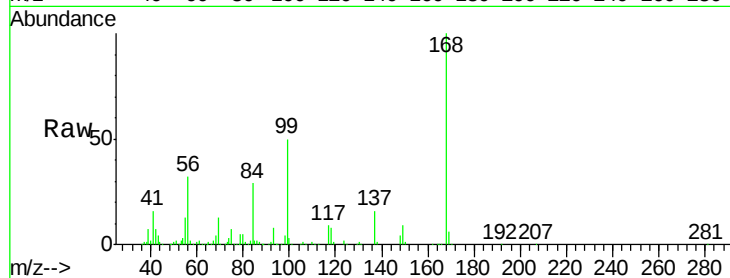
VW0113SBS01

Tgt Ion:168 Resp: 727276

Ion Ratio Lower Upper

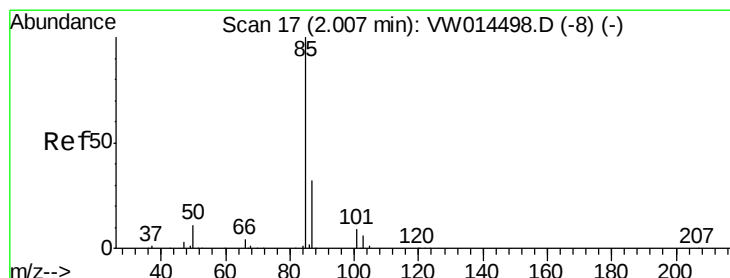
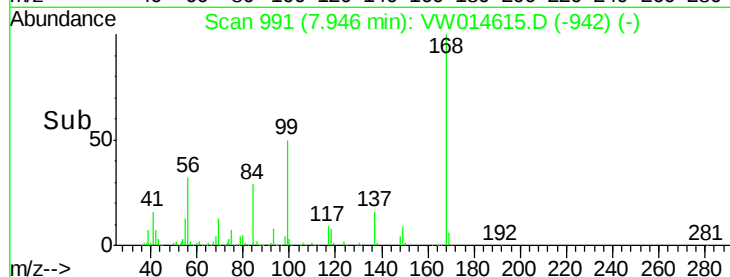
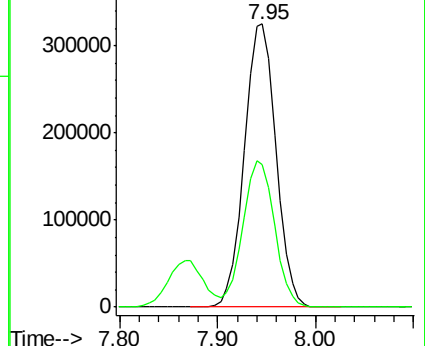
168 100

99 50.3 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.874 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014615.D

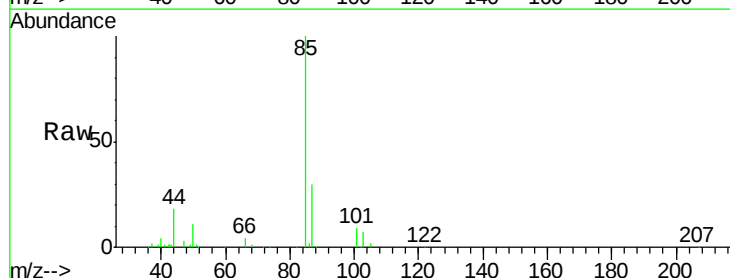
Acq: 13 Jan 2020 11:12

Tgt Ion: 85 Resp: 93930

Ion Ratio Lower Upper

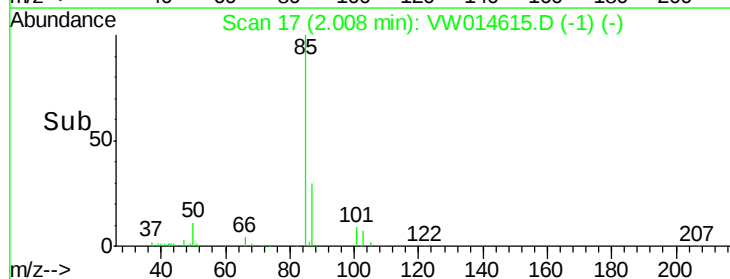
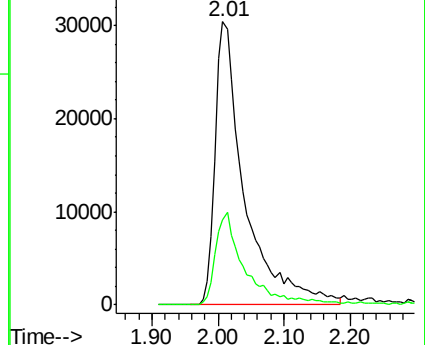
85 100

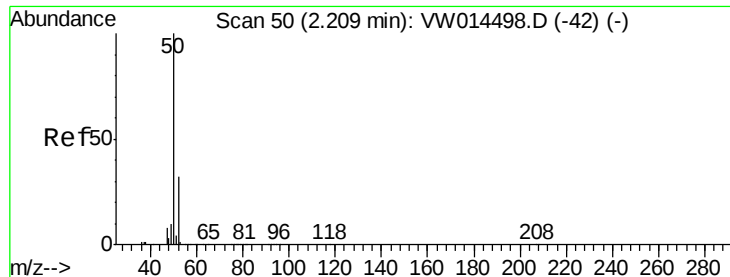
87 30.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

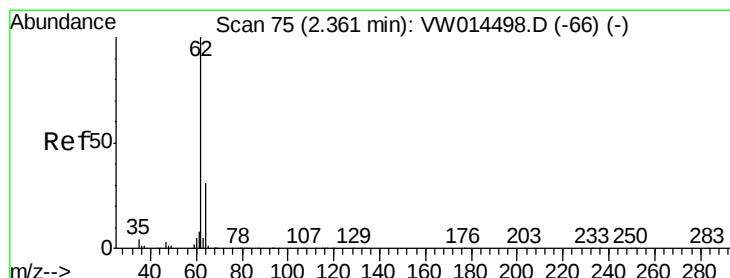
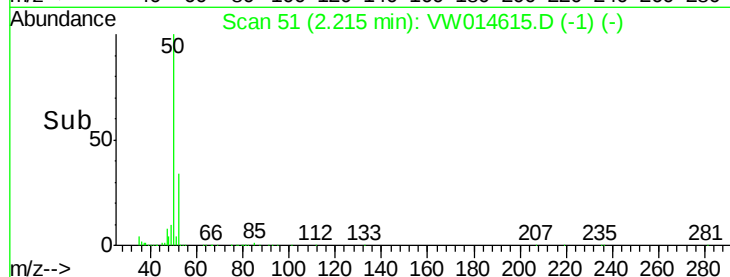
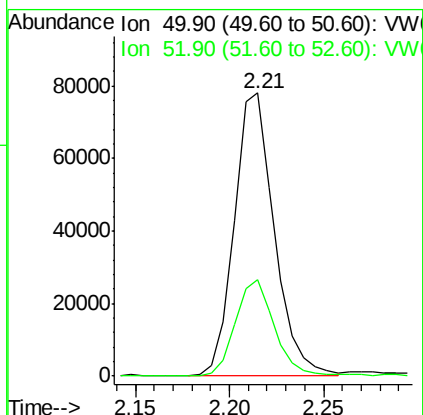
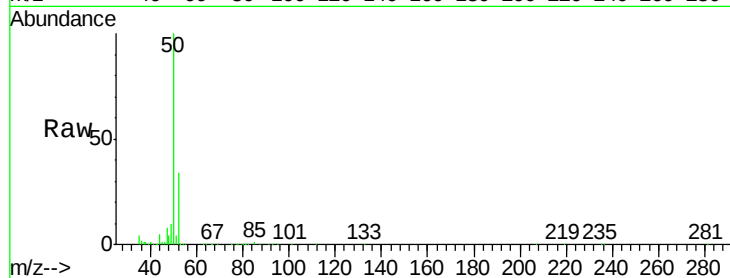




#3
Chloromethane
Concen: 22.760 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

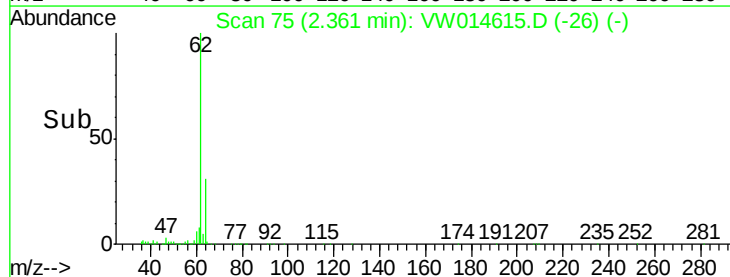
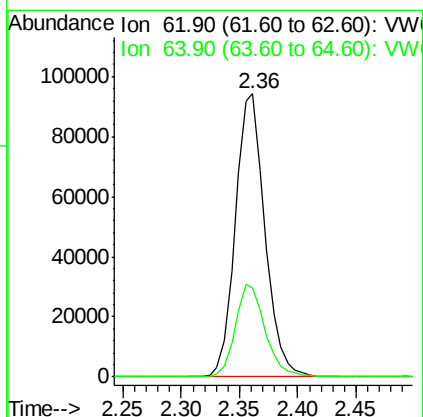
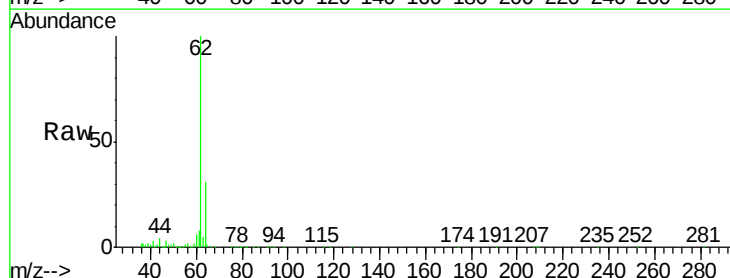
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

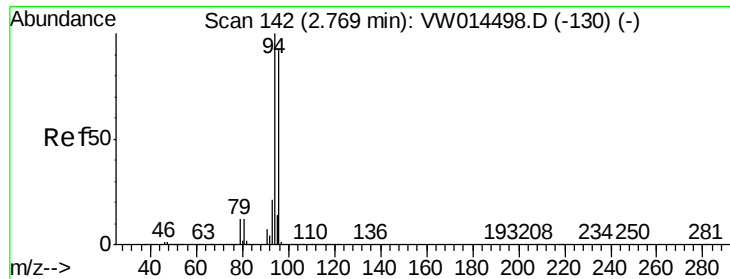
Tgt Ion: 50 Resp: 114398
Ion Ratio Lower Upper
50 100
52 34.0 25.8 38.8



#4
Vinyl Chloride
Concen: 22.605 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 62 Resp: 167118
Ion Ratio Lower Upper
62 100
64 31.2 25.0 37.4





#5

Bromomethane

Concen: 22.071 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

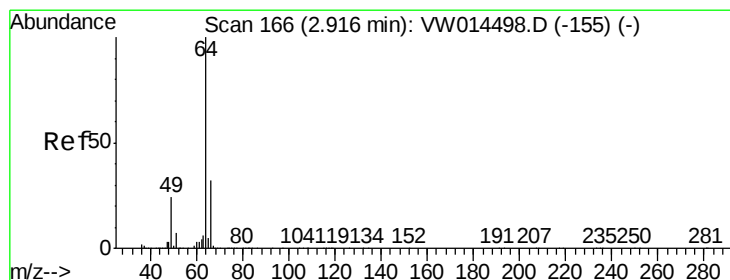
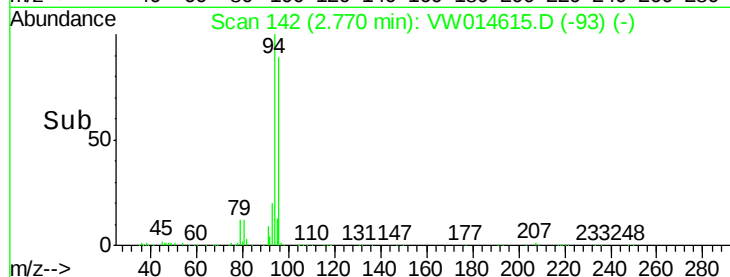
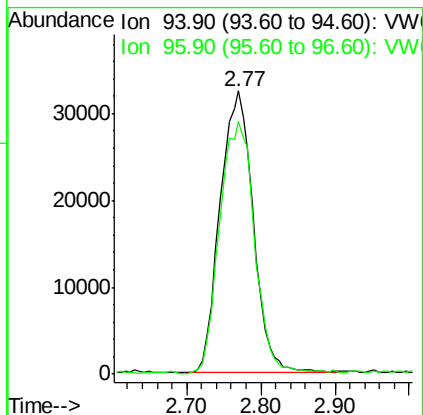
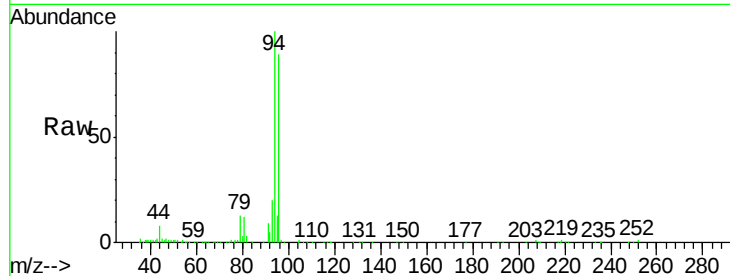
VW0113SBS01

Tgt Ion: 94 Resp: 100794

Ion Ratio Lower Upper

94 100

96 89.7 74.2 111.2



#6

Chloroethane

Concen: 21.708 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014615.D

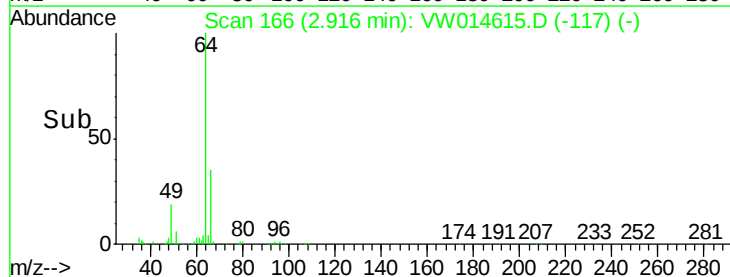
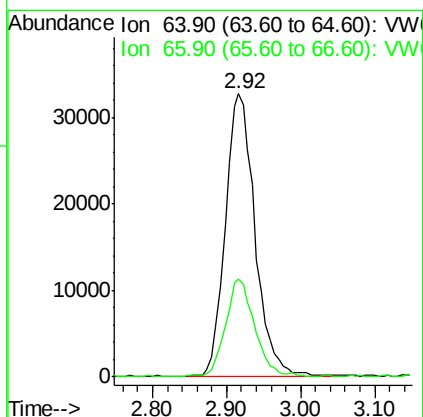
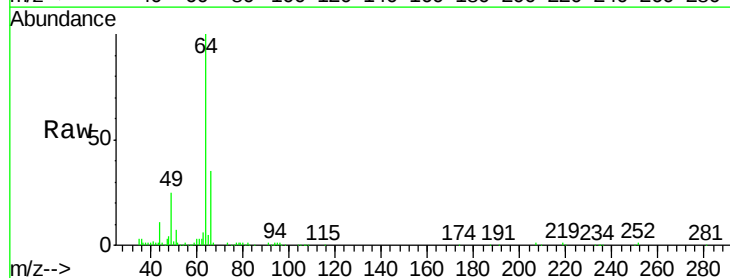
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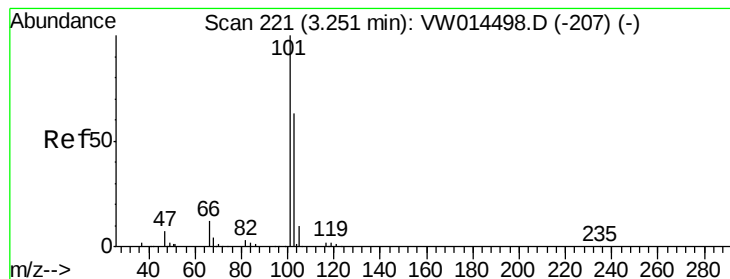
Tgt Ion: 64 Resp: 91481

Ion Ratio Lower Upper

64 100

66 34.5 25.7 38.5



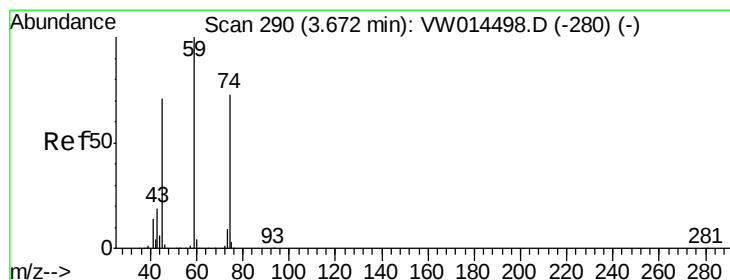
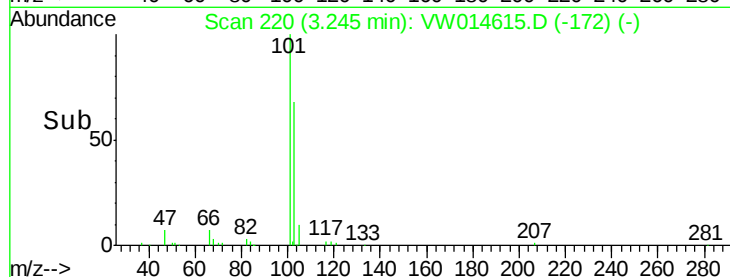
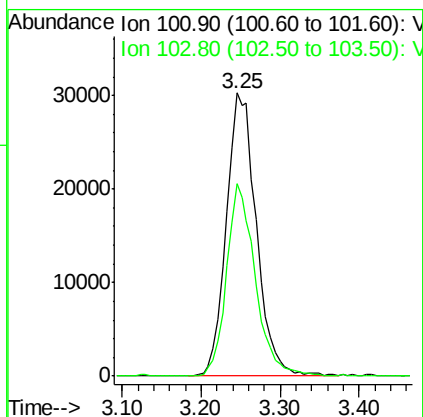
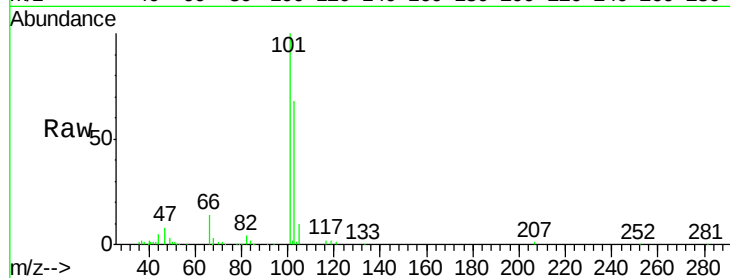


#7

Trichlorofluoromethane
 Concen: 21.627 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Instrument :
 MSVOA_W
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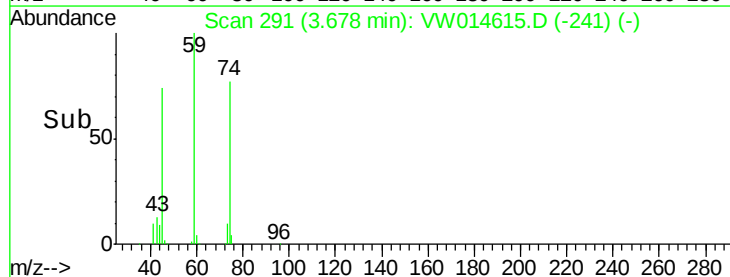
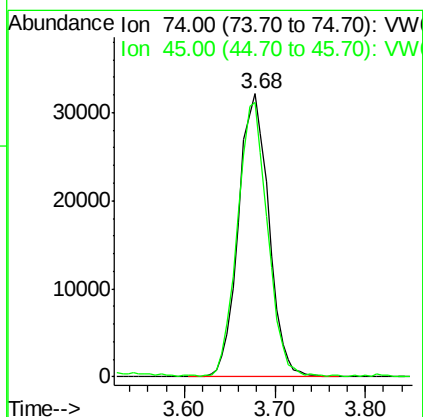
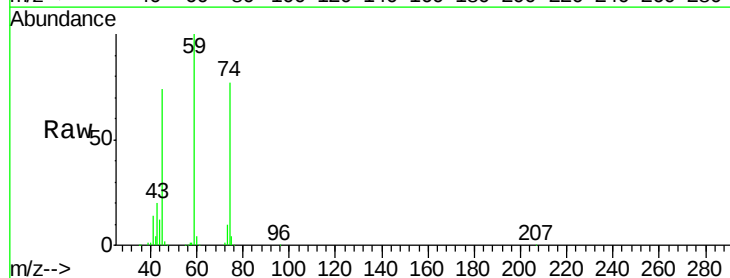
Tgt Ion: 101 Resp: 79995
 Ion Ratio Lower Upper
 101 100
 103 68.1 50.1 75.1



#8

Diethyl Ether
 Concen: 20.272 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion: 74 Resp: 74608
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.165 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

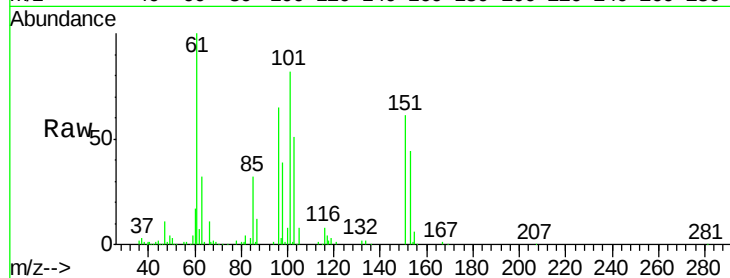
Tgt Ion:101 Resp: 153185

Ion Ratio Lower Upper

101 100

85 40.8 33.7 50.5

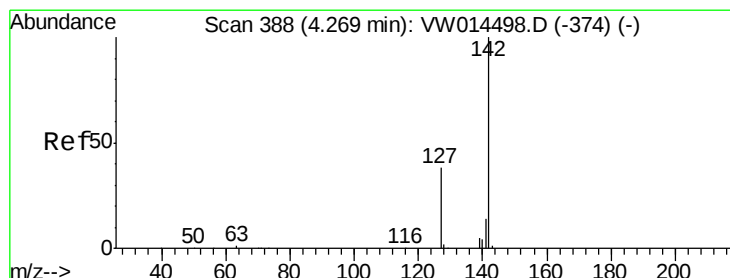
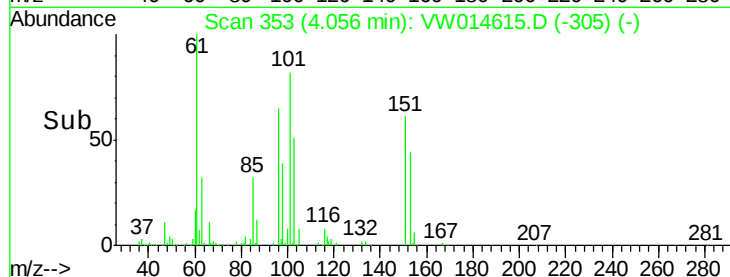
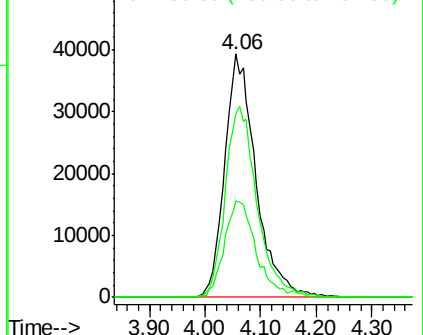
151 79.9 63.5 95.3



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: 20.890 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

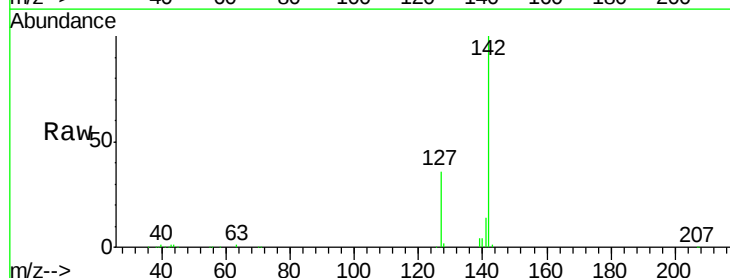
Tgt Ion:142 Resp: 217833

Ion Ratio Lower Upper

142 100

127 38.7 30.2 45.4

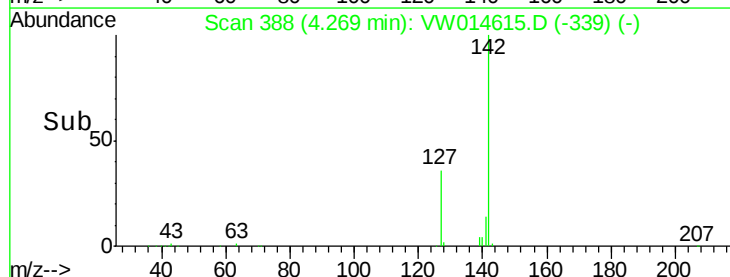
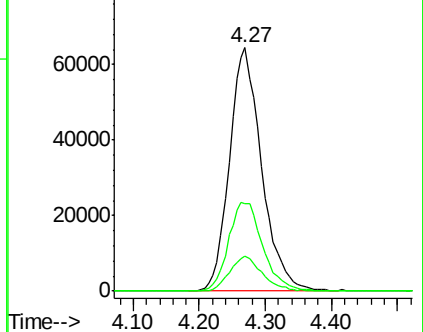
141 14.3 11.4 17.2

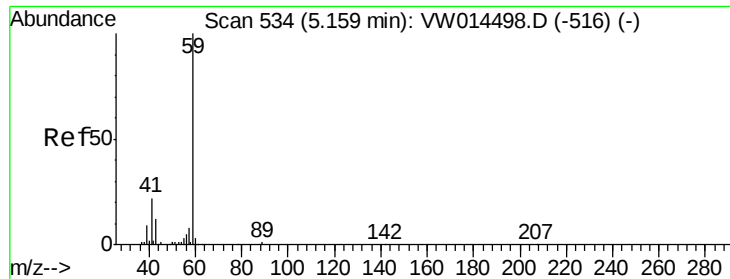


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

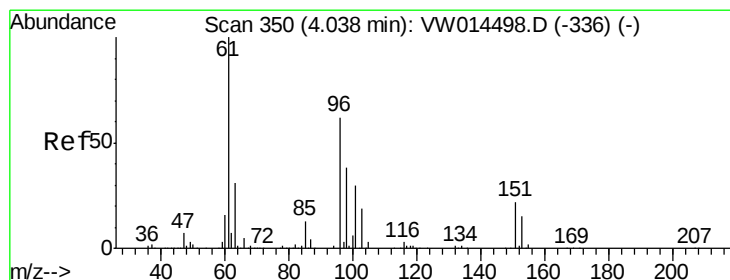
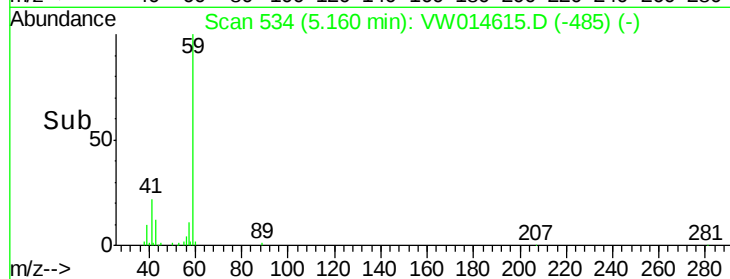
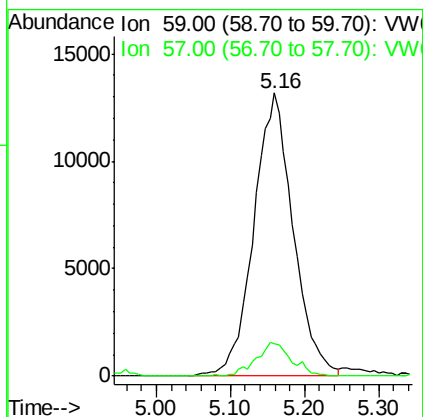
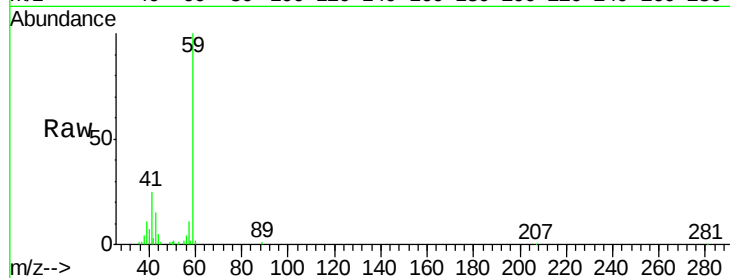




#11
Tert butyl alcohol
Concen: 84.023 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

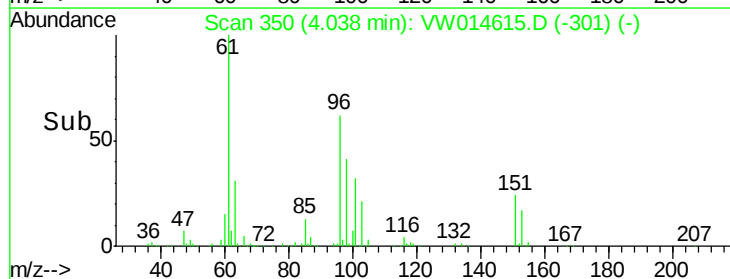
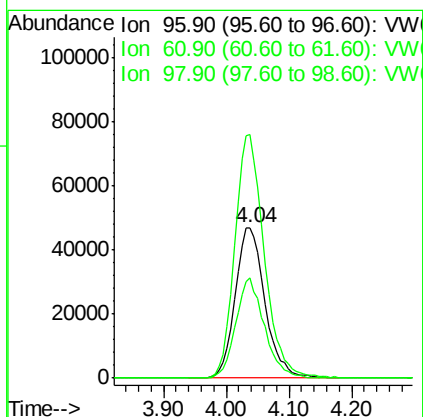
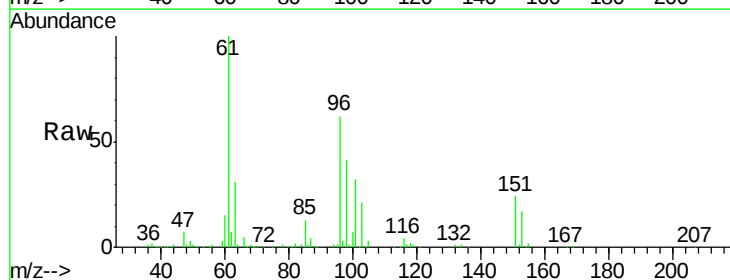
Instrument :
MSVOA_W
ClientSampled :
VW0113SBS01

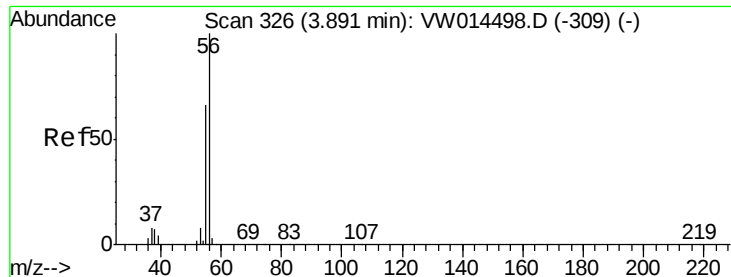
Tgt Ion: 59 Resp: 48659
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.8



#12
1,1-Dichloroethene
Concen: 21.275 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 96 Resp: 153975
Ion Ratio Lower Upper
96 100
61 161.8 128.4 192.6
98 67.0 49.1 73.7





#13

Acrolein

Concen: 87.985 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

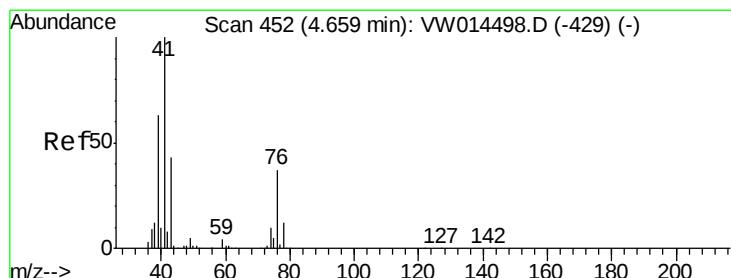
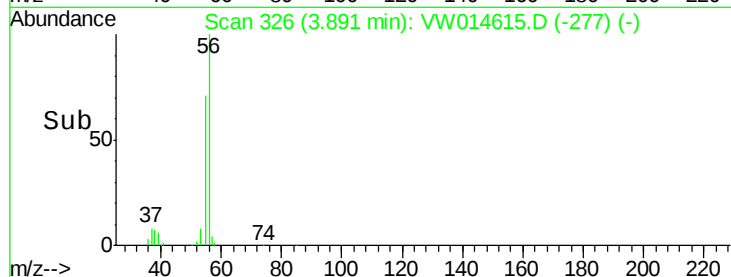
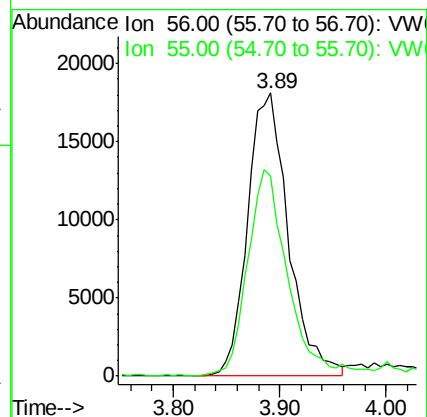
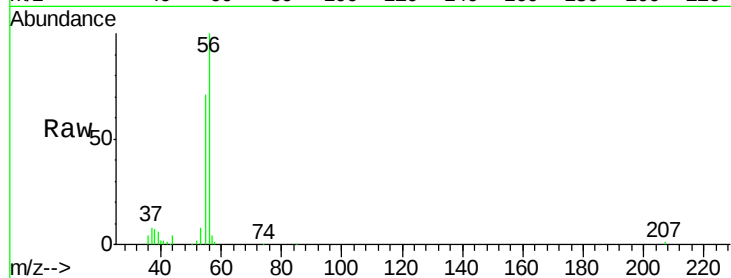
VW0113SBS01

Tgt Ion: 56 Resp: 48831

Ion Ratio Lower Upper

56 100

55 69.9 56.7 85.1



#14

Allyl chloride

Concen: 20.918 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

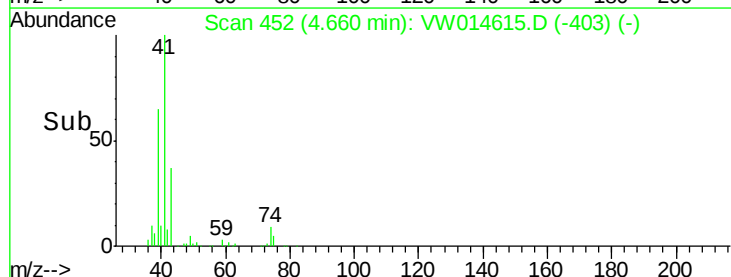
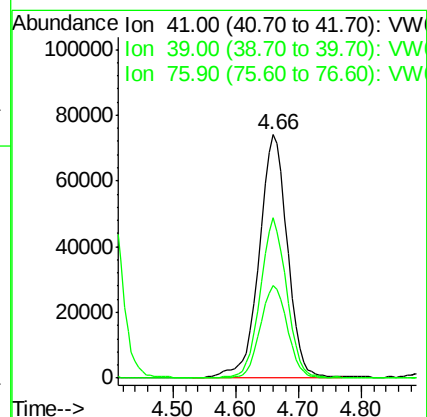
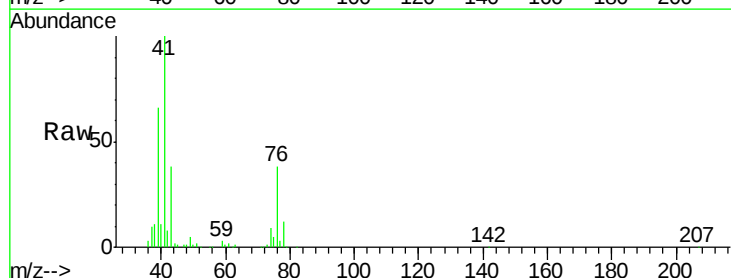
Tgt Ion: 41 Resp: 231354

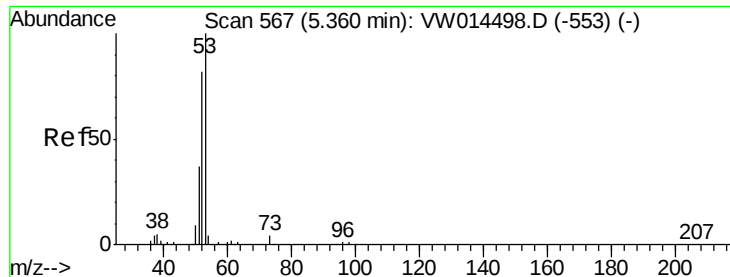
Ion Ratio Lower Upper

41 100

39 61.2 48.5 72.7

76 36.1 28.1 42.1





#15

Acrylonitrile

Concen: 98.841 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

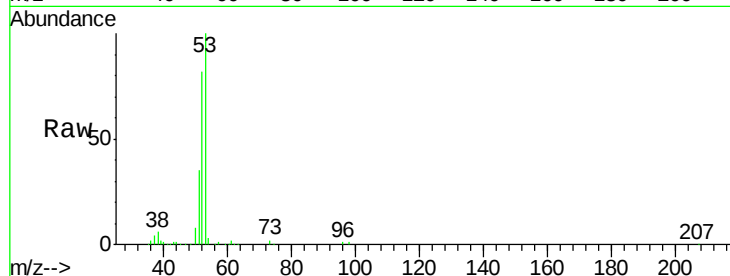
Tgt Ion: 53 Resp: 166273

Ion Ratio Lower Upper

53 100

52 82.2 66.5 99.7

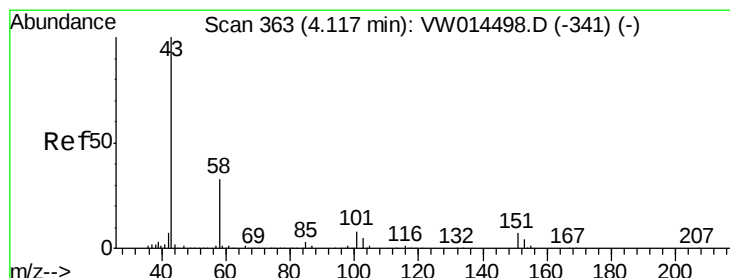
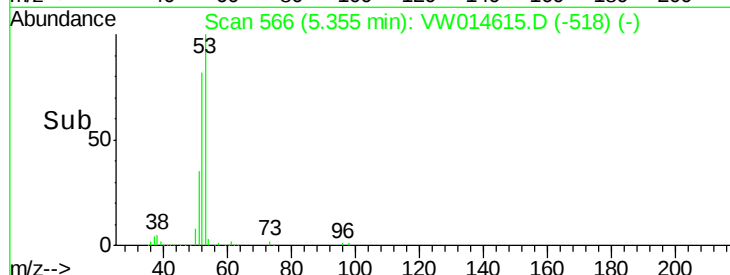
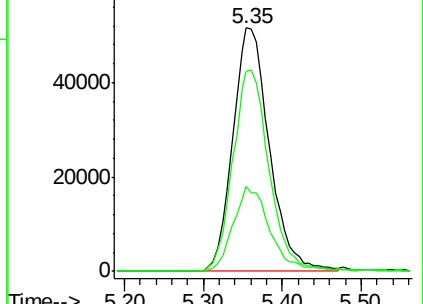
51 35.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 90.279 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014615.D

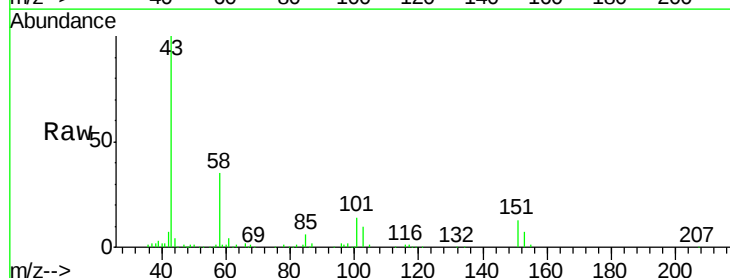
Acq: 13 Jan 2020 11:12

Tgt Ion: 43 Resp: 162095

Ion Ratio Lower Upper

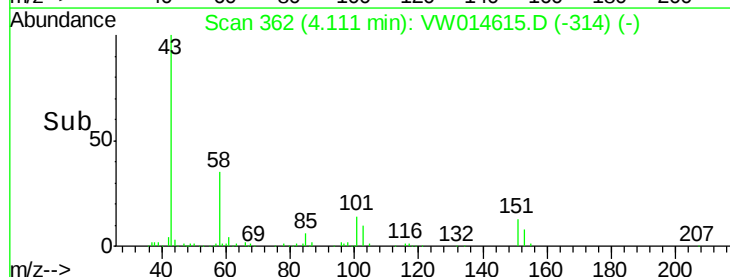
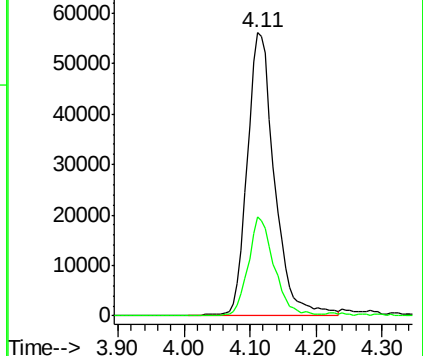
43 100

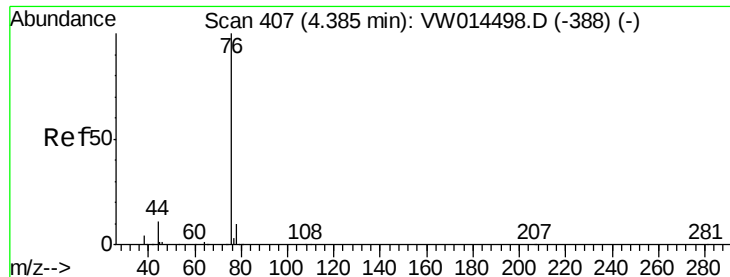
58 34.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

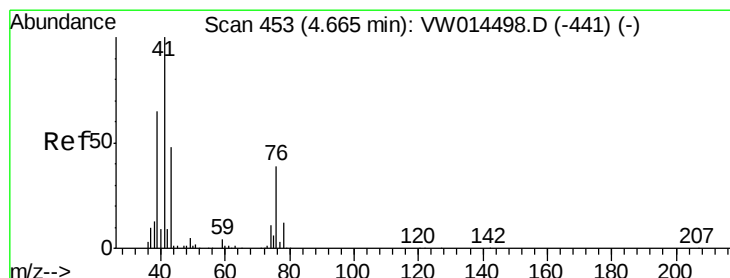
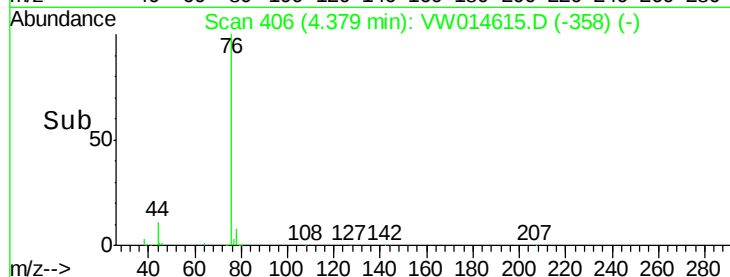
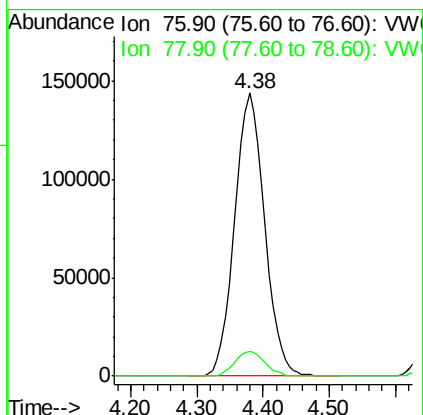
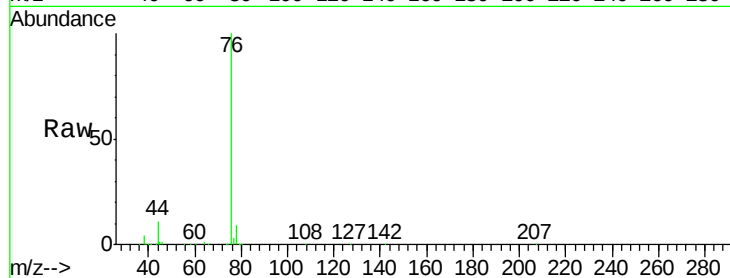




#17
Carbon Disulfide
Concen: 20.796 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

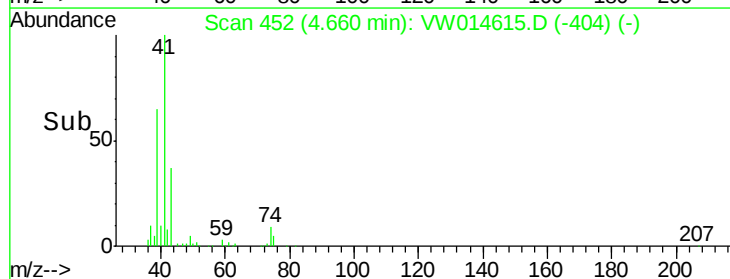
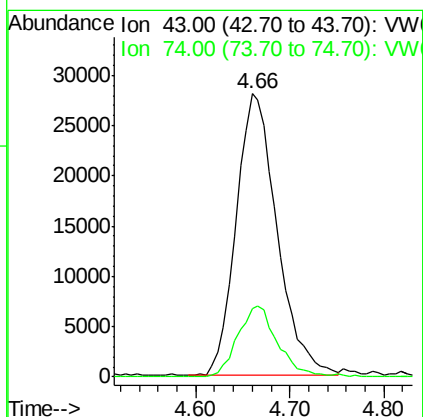
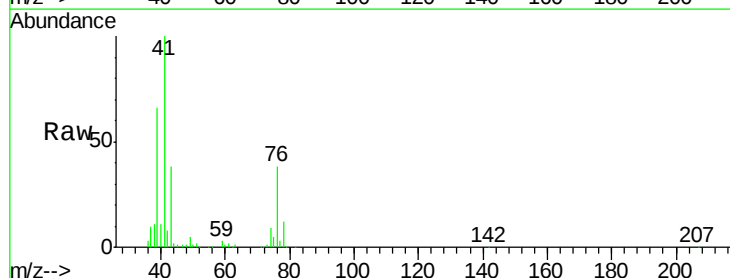
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

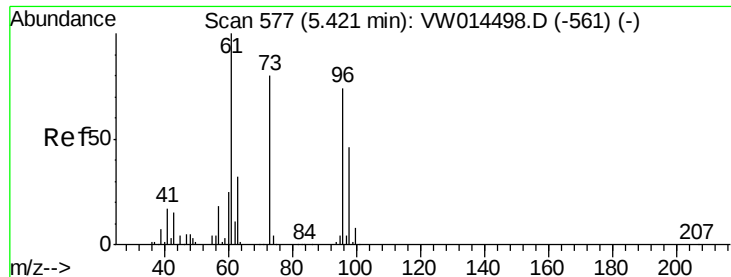
Tgt Ion: 76 Resp: 453648
Ion Ratio Lower Upper
76 100
78 8.6 7.8 11.6



#18
Methyl Acetate
Concen: 19.647 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 43 Resp: 85196
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9



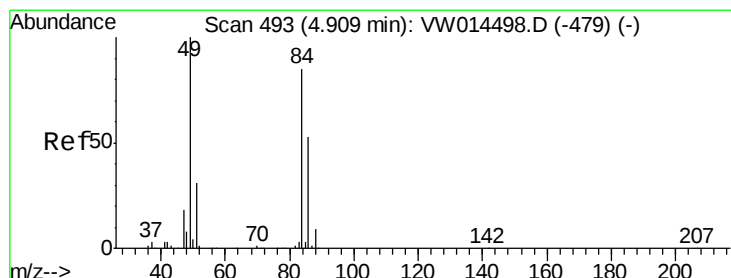
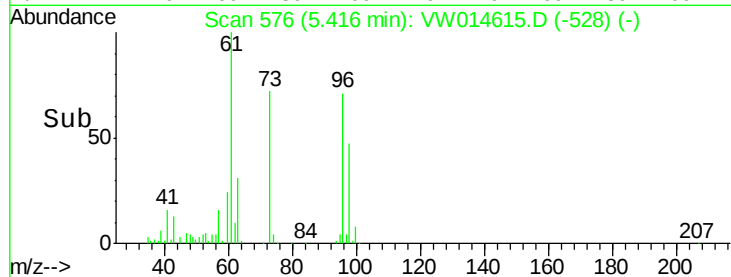
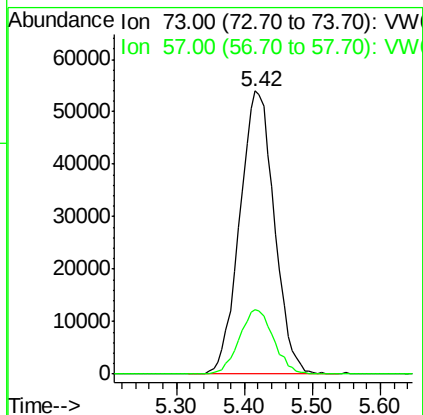
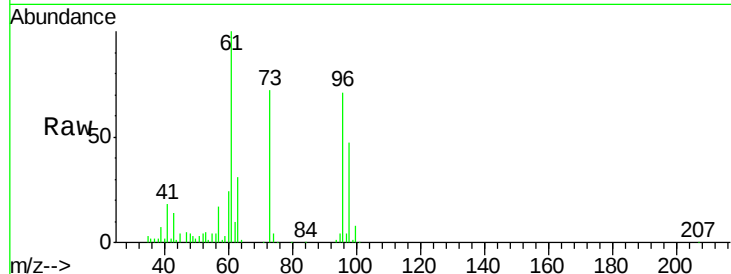


#19

Methyl tert-butyl Ether
 Concen: 21.237 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

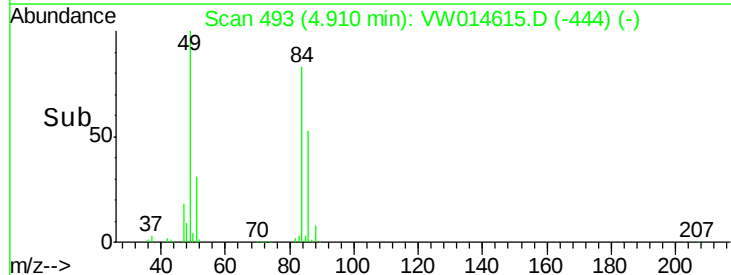
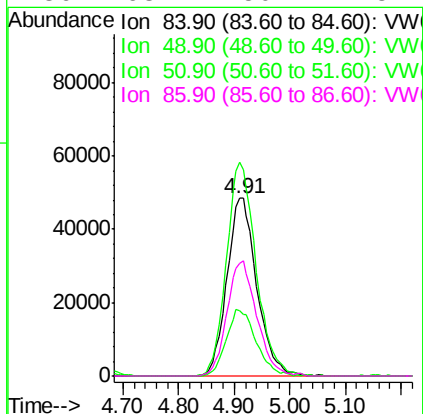
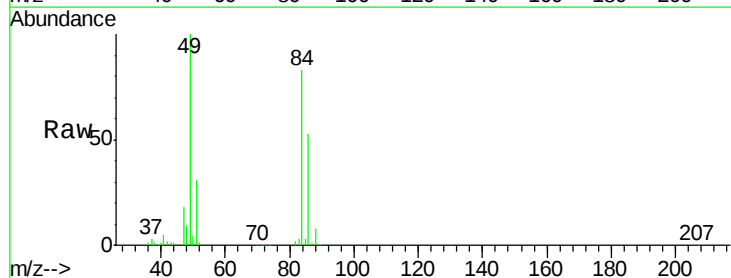
Tgt Ion: 73 Resp: 190793
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.1 27.1

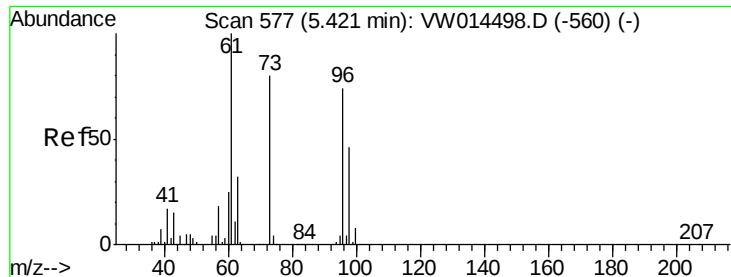


#20

Methylene Chloride
 Concen: 22.285 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion: 84 Resp: 180025
 Ion Ratio Lower Upper
 84 100
 49 120.1 94.4 141.6
 51 36.9 29.5 44.3
 86 63.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 21.017 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

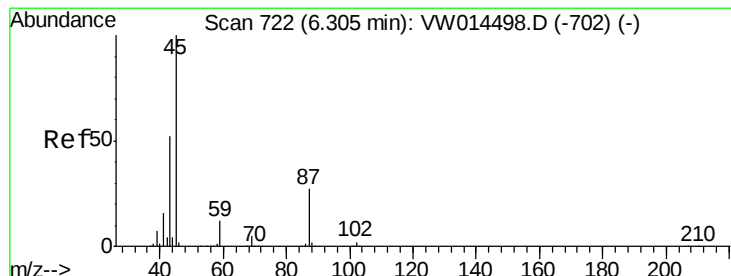
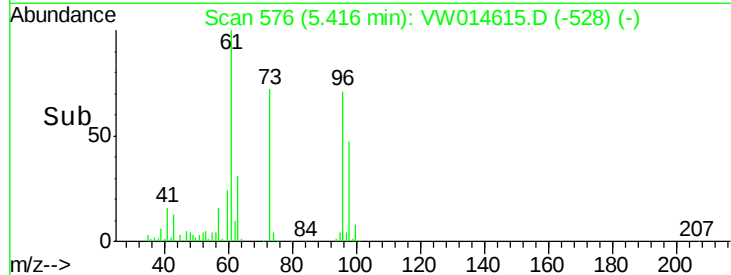
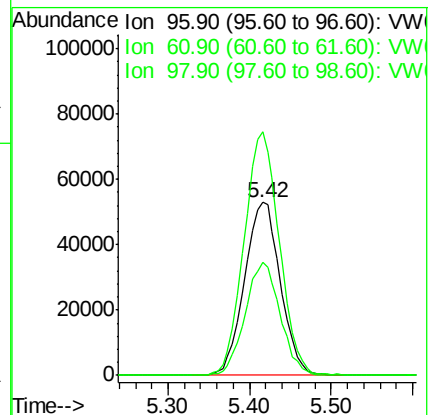
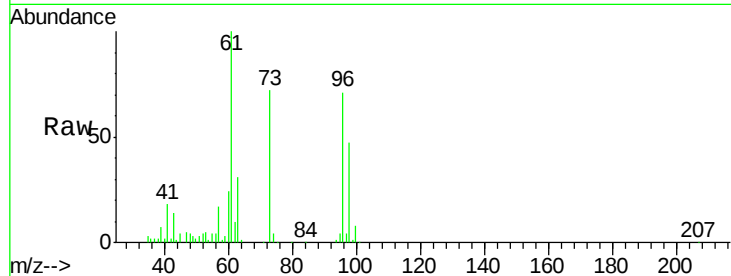
Tgt Ion: 96 Resp: 161512

Ion Ratio Lower Upper

96 100

61 140.7 107.8 161.6

98 65.6 49.4 74.0



#22

Diisopropyl ether

Concen: 21.188 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Tgt Ion: 45 Resp: 438625

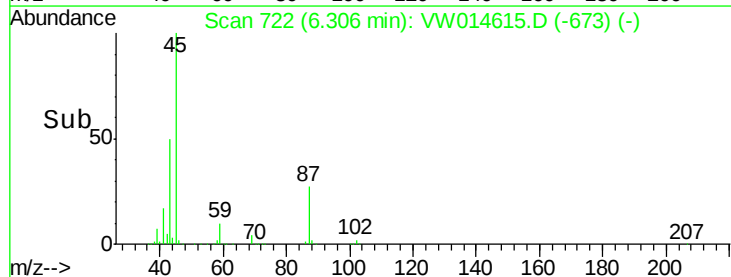
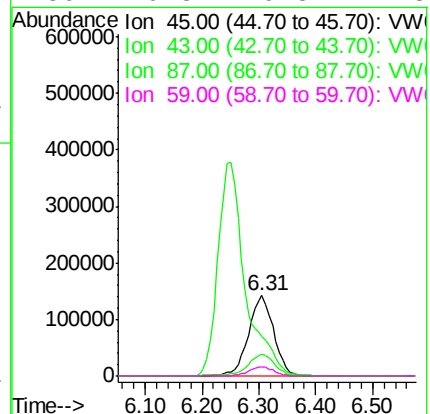
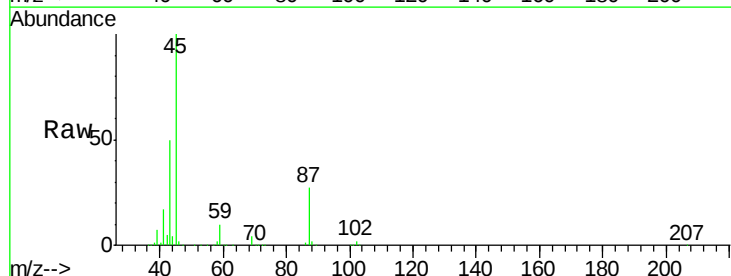
Ion Ratio Lower Upper

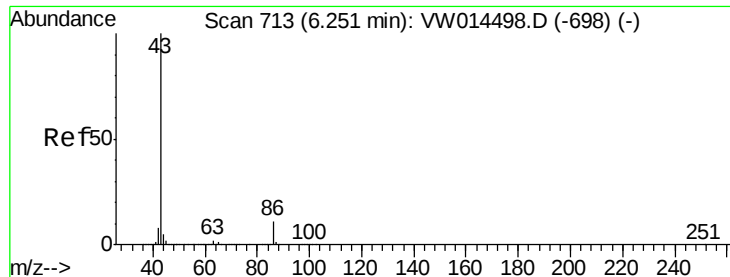
45 100

43 50.2 41.4 62.0

87 26.9 22.2 33.2

59 10.3 9.5 14.3





#23

Vinyl Acetate

Concen: 100.885 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

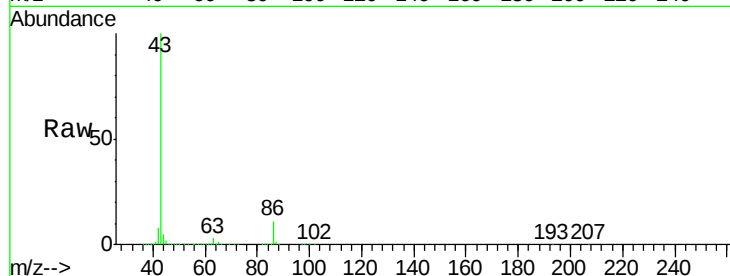
VW0113SBS01

Tgt Ion: 43 Resp: 1261136

Ion Ratio Lower Upper

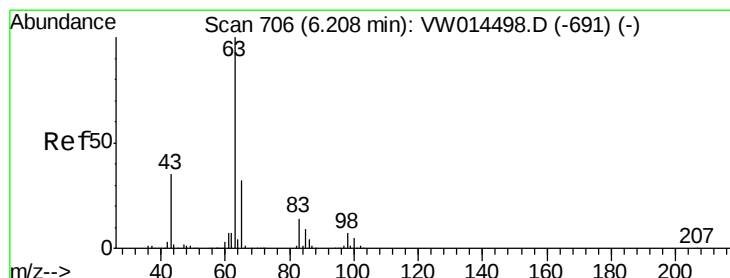
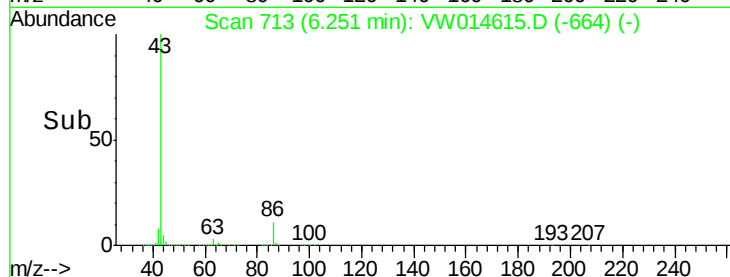
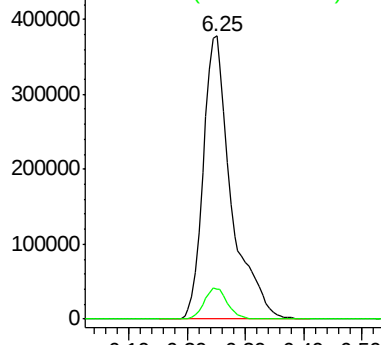
43 100

86 10.7 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.511 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

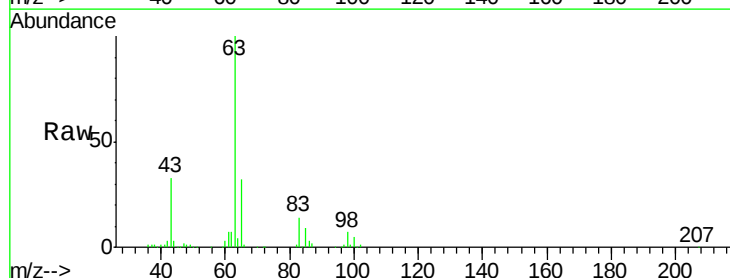
Tgt Ion: 63 Resp: 280894

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

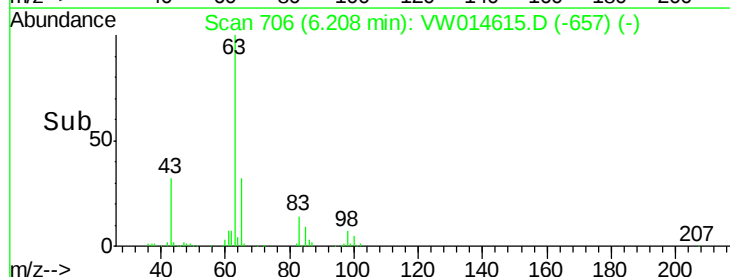
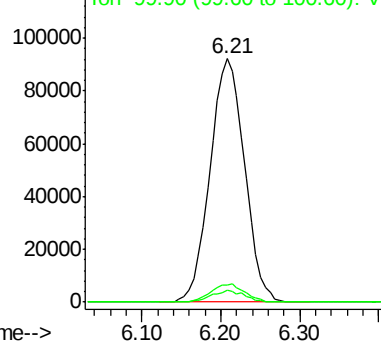
100 5.0 2.5 7.4

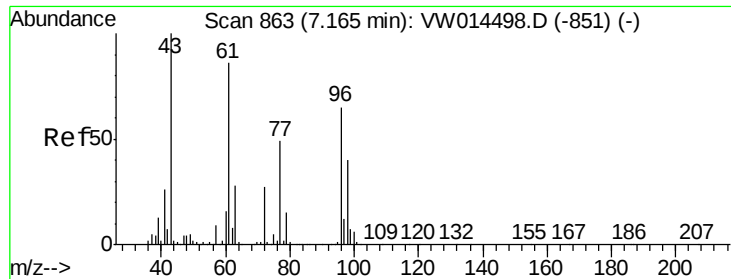


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 95.196 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

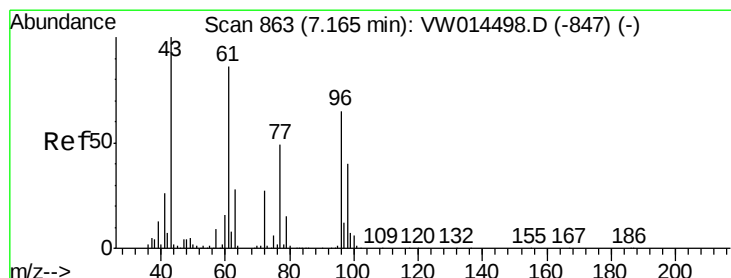
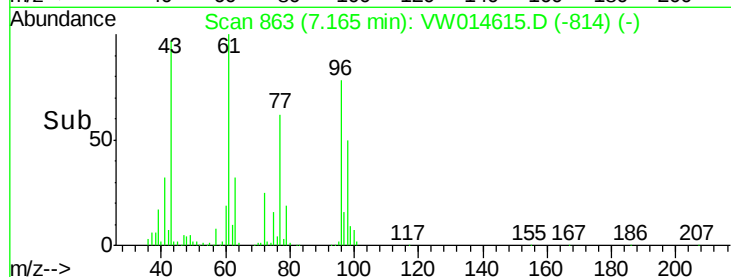
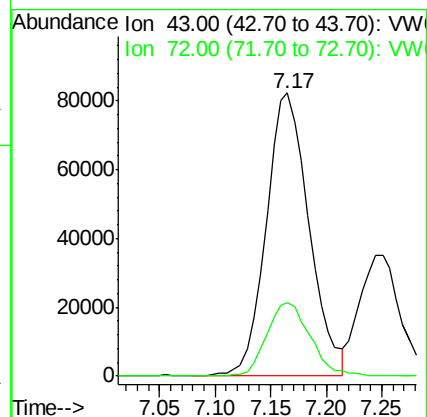
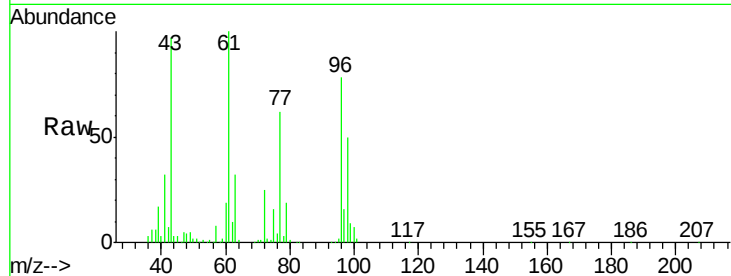
VW0113SBS01

Tgt Ion: 43 Resp: 219349

Ion Ratio Lower Upper

43 100

72 25.8 21.9 32.9



#26

2,2-Dichloropropane

Concen: 22.026 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014615.D

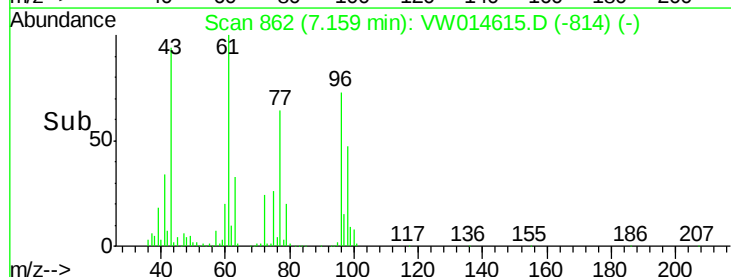
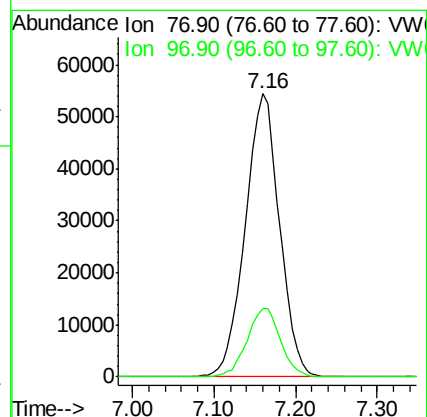
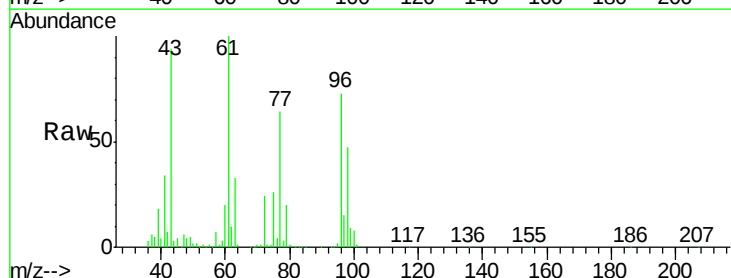
Acq: 13 Jan 2020 11:12

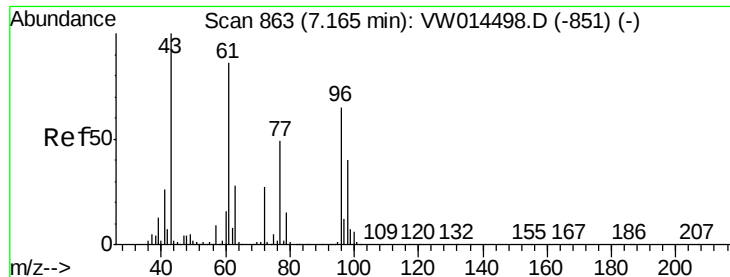
Tgt Ion: 77 Resp: 159243

Ion Ratio Lower Upper

77 100

97 23.6 12.5 37.5



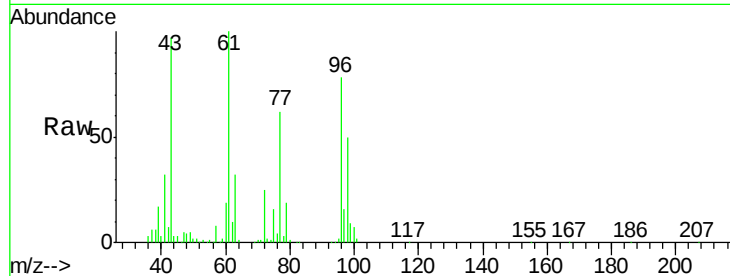


#27

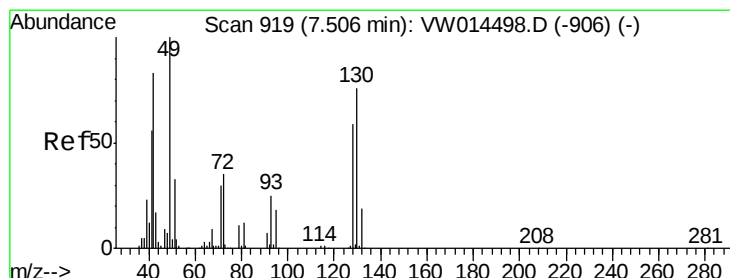
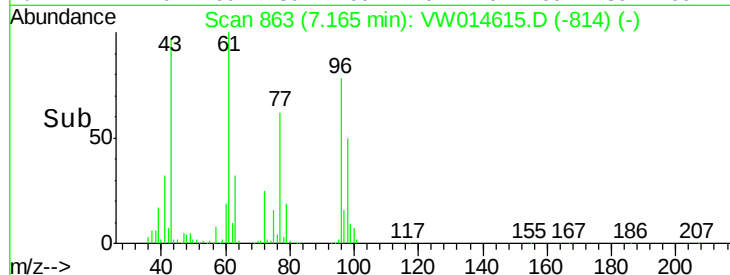
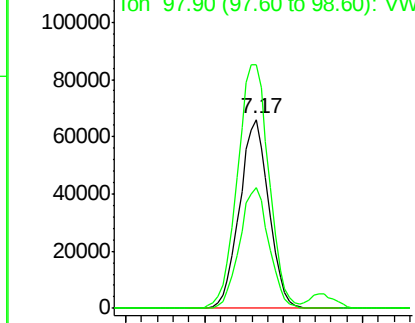
cis-1,2-Dichloroethene
 Concen: 21.030 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

Tgt Ion: 96 Resp: 169821
 Ion Ratio Lower Upper
 96 100
 61 139.8 0.0 274.8
 98 64.4 0.0 128.6



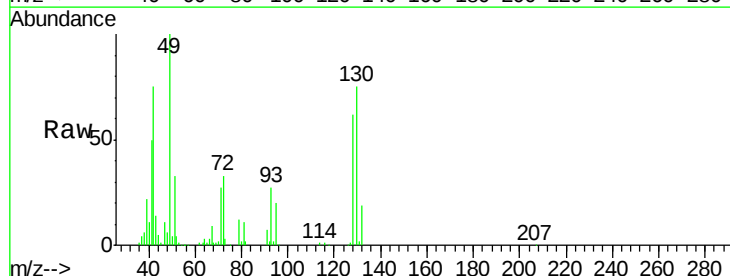
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



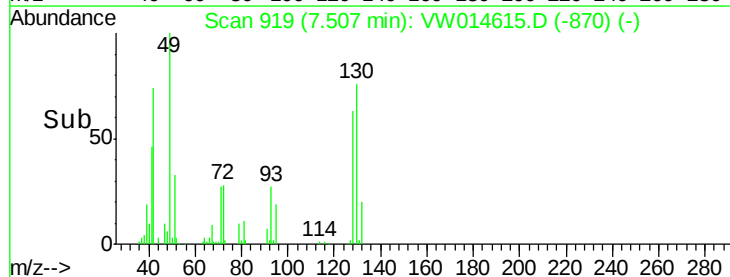
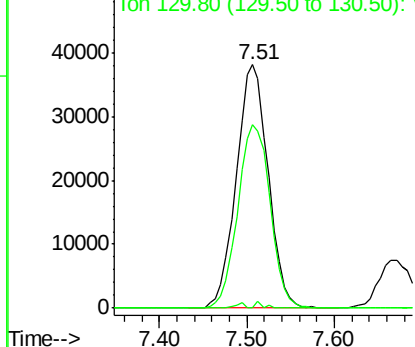
#28

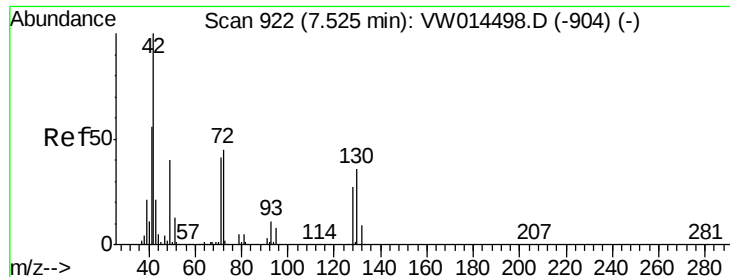
Bromochloromethane
 Concen: 18.840 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion: 49 Resp: 96451
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 2.0
 130 76.6 62.5 93.7



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

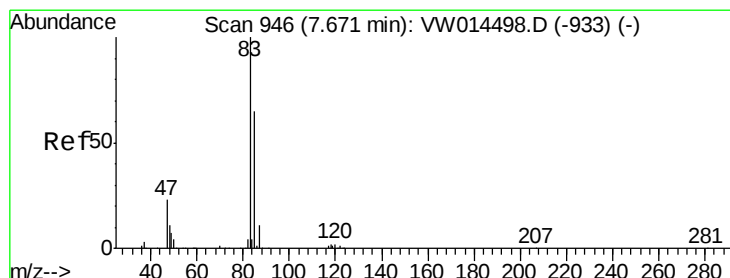
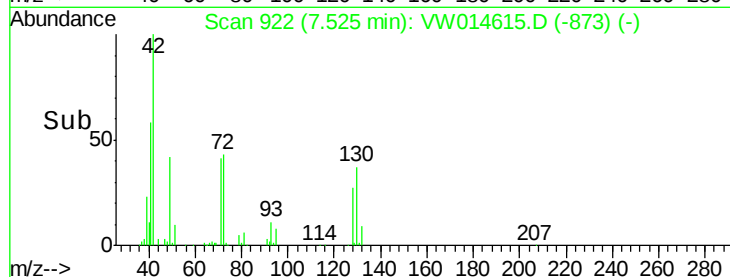
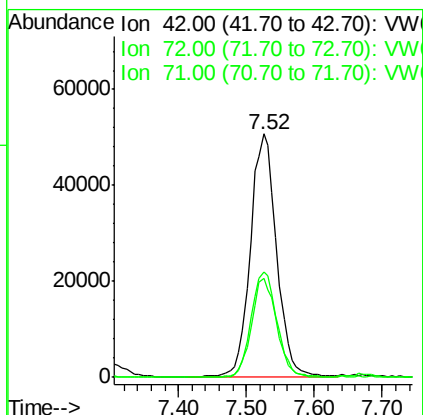
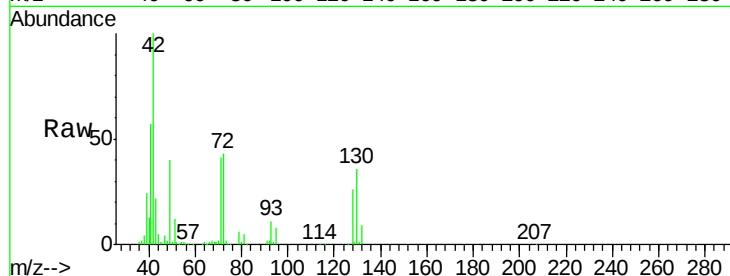




#29
Tetrahydrofuran
Concen: 95.538 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

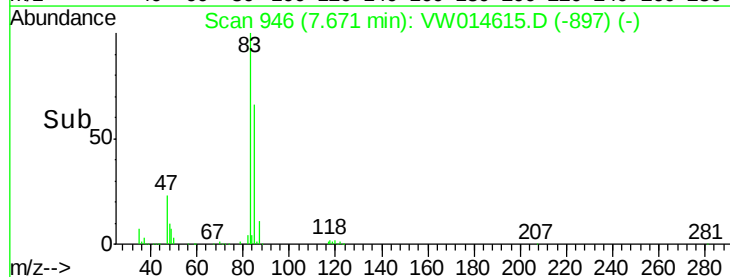
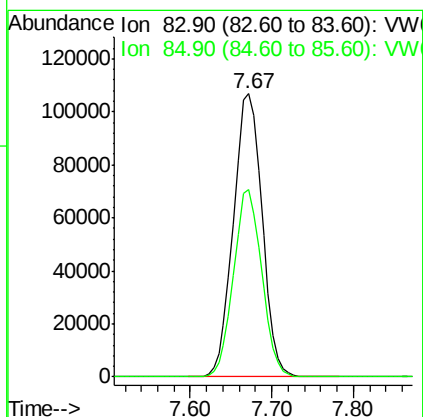
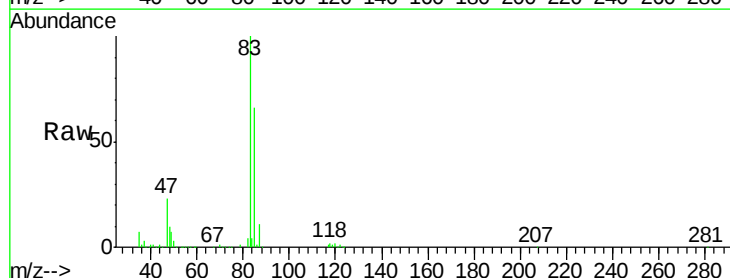
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

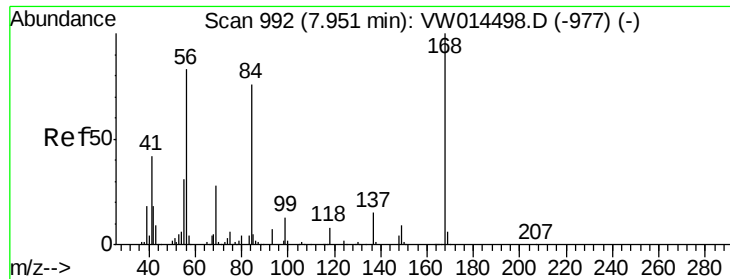
Tgt Ion: 42 Resp: 136376
Ion Ratio Lower Upper
42 100
72 42.9 34.5 51.7
71 39.1 32.0 48.0



#30
Chloroform
Concen: 21.358 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 83 Resp: 260810
Ion Ratio Lower Upper
83 100
85 66.2 52.2 78.2

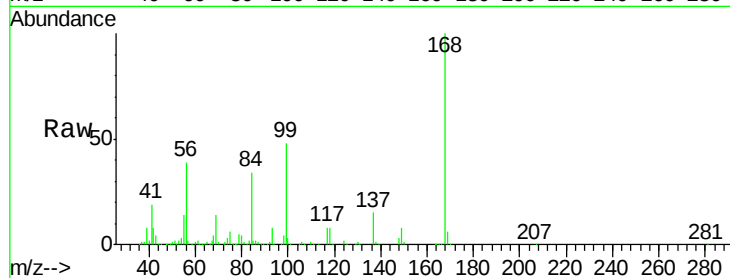




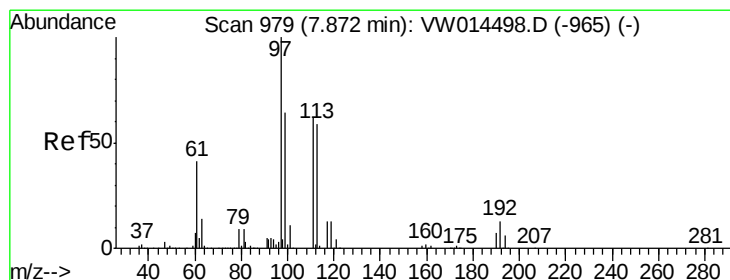
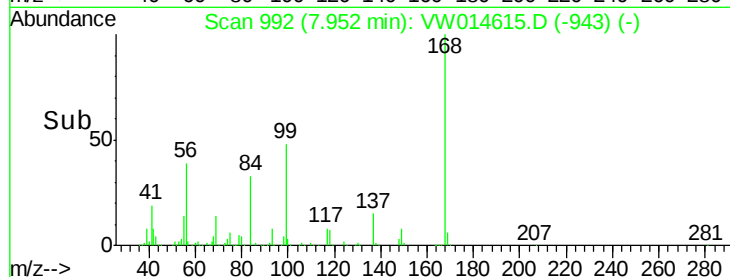
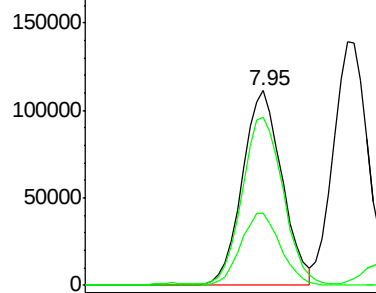
#31
Cyclohexane
Concen: 21.088 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

Tgt Ion: 56 Resp: 286176
Ion Ratio Lower Upper
56 100
69 37.2 26.8 40.2
84 85.9 71.8 107.6

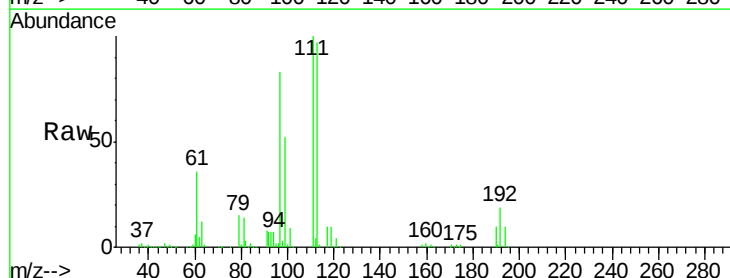


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

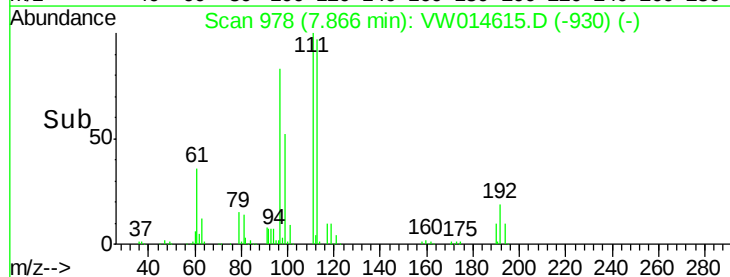
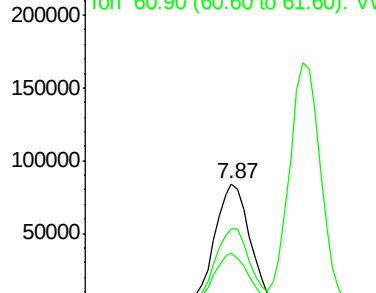


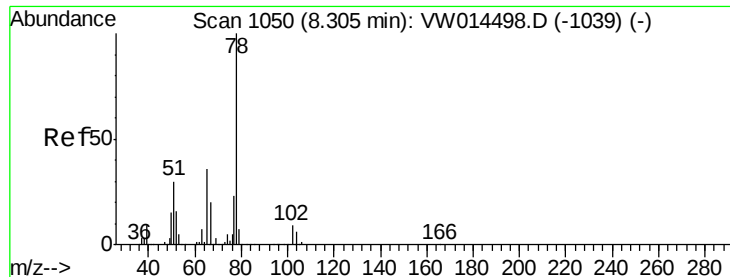
#32
1,1,1-Trichloroethane
Concen: 21.794 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 97 Resp: 214036
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.6
61 43.4 33.8 50.8



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: 51.249 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

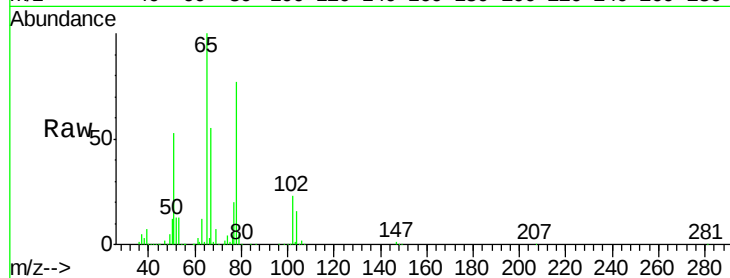
VW0113SBS01

Tgt Ion: 65 Resp: 325877

Ion Ratio Lower Upper

65 100

67 54.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

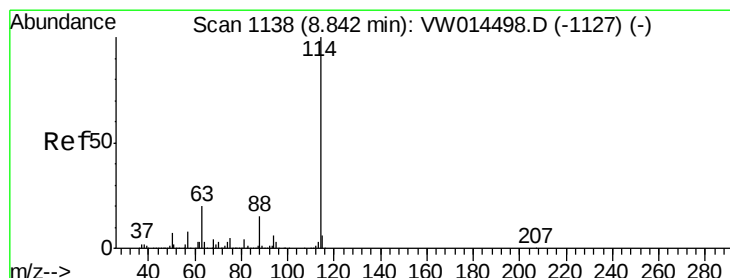
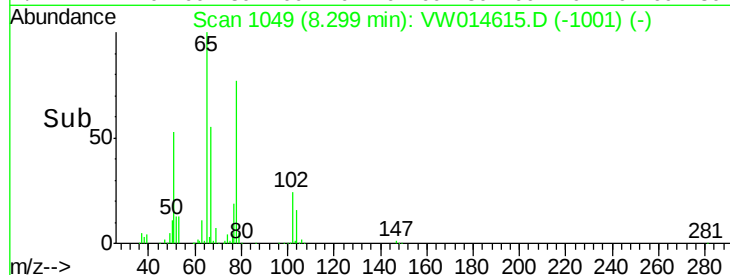
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

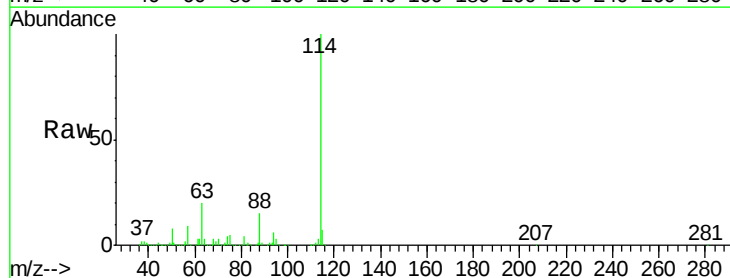
Tgt Ion: 114 Resp: 1086739

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

88 15.5 0.0 30.6



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

8.84

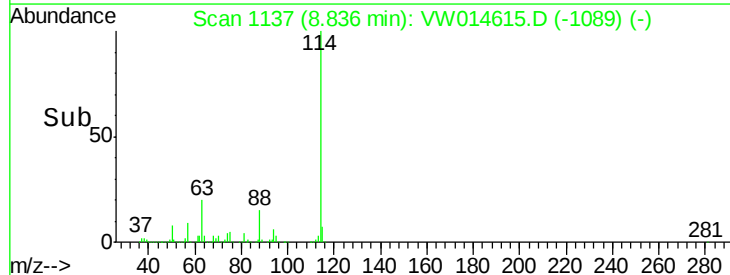
600000

400000

200000

0

Time-->

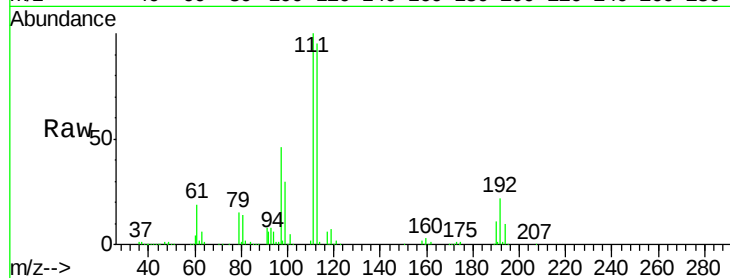




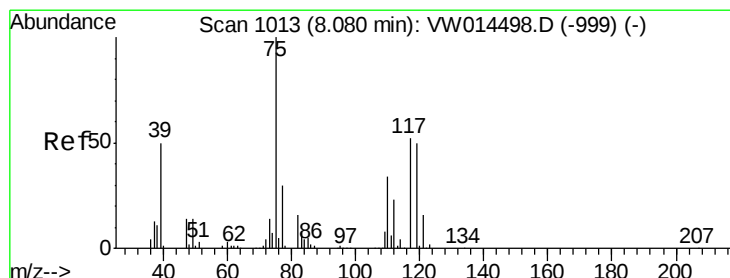
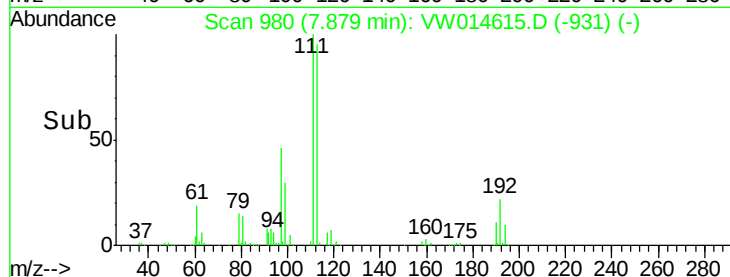
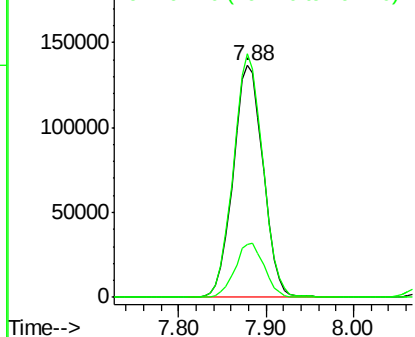
#35
 Dibromofluoromethane
 Concen: 52.548 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.2
192	22.8	17.8	26.8

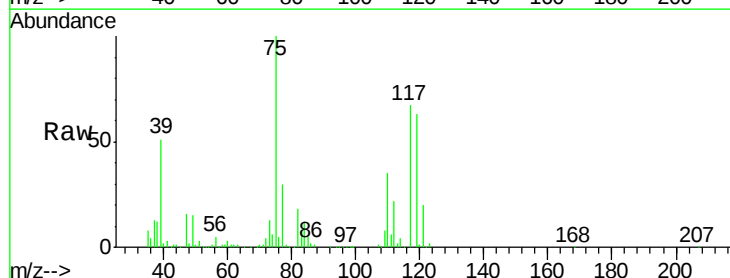


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

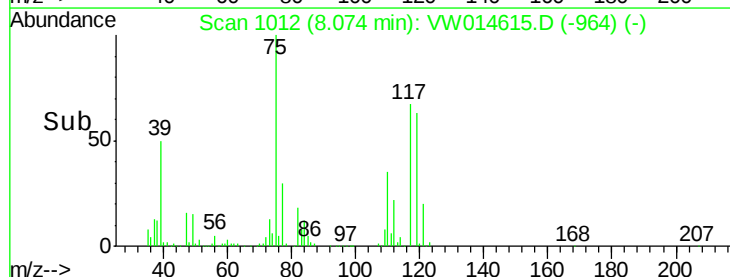
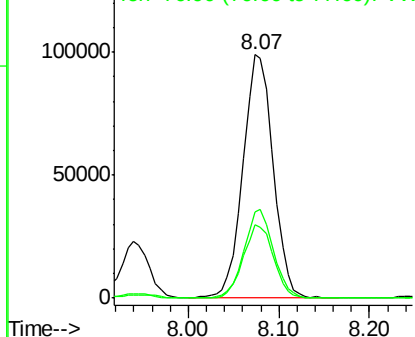


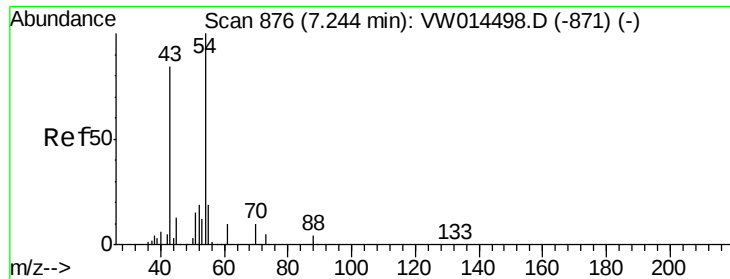
#36
 1,1-Dichloropropene
 Concen: 21.717 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.8	53.5
77	30.5	24.7	37.1



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

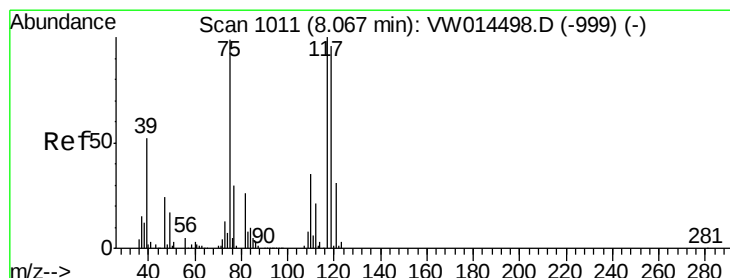
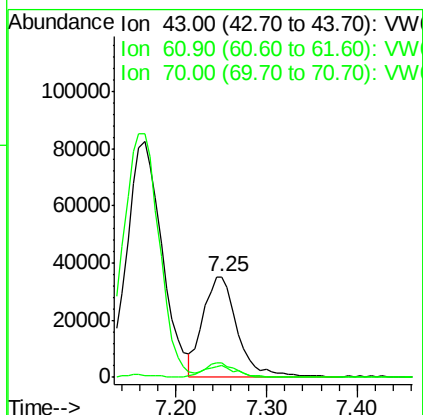
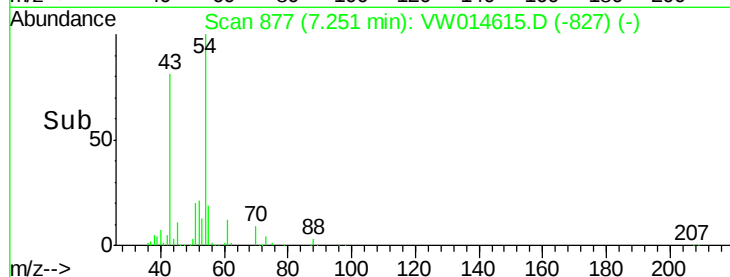
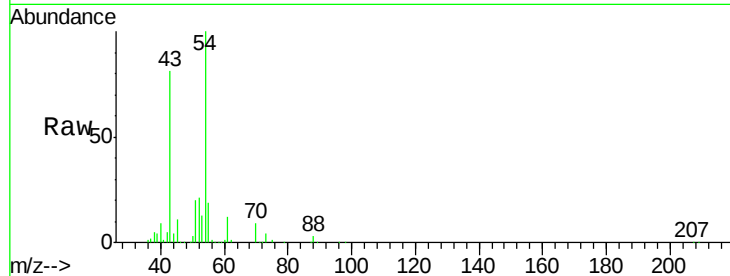




#37
Ethyl Acetate
Concen: 19.230 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

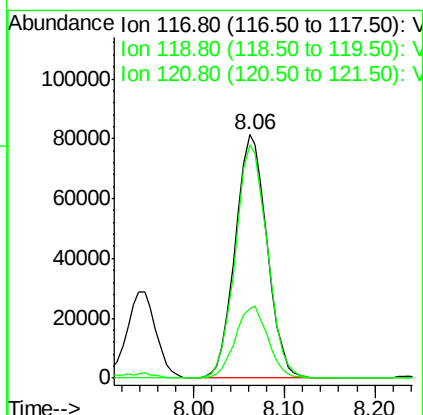
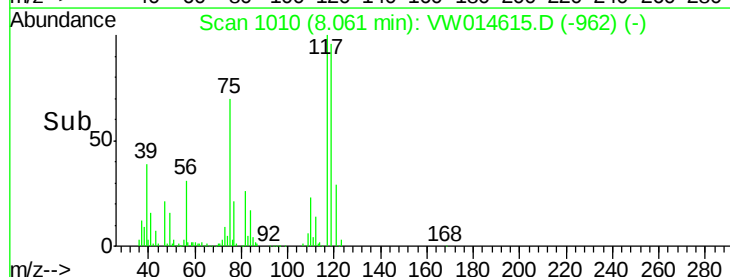
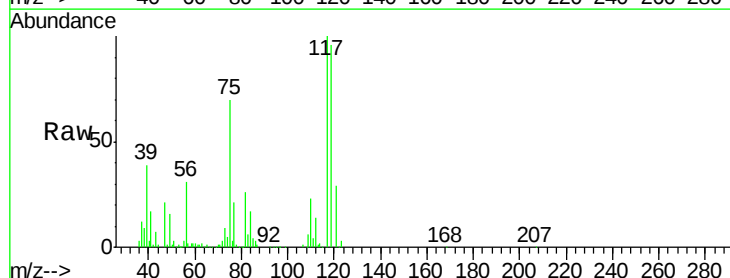
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

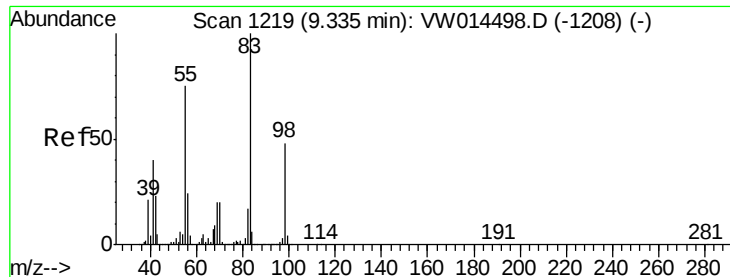
Tgt Ion: 43 Resp: 91373
Ion Ratio Lower Upper
43 100
61 13.2 11.7 17.5
70 11.5 9.0 13.6



#38
Carbon Tetrachloride
Concen: 21.795 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 117 Resp: 198099
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6
121 28.7 24.6 36.8

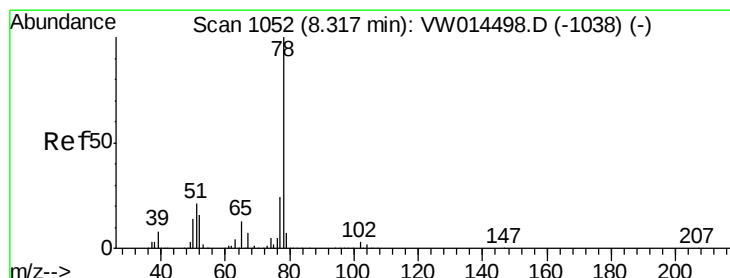
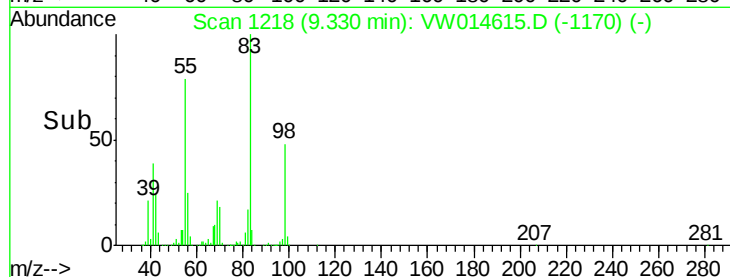
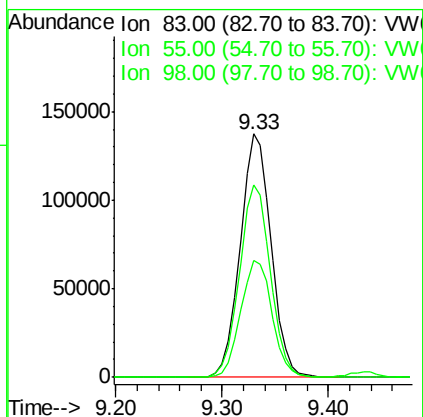
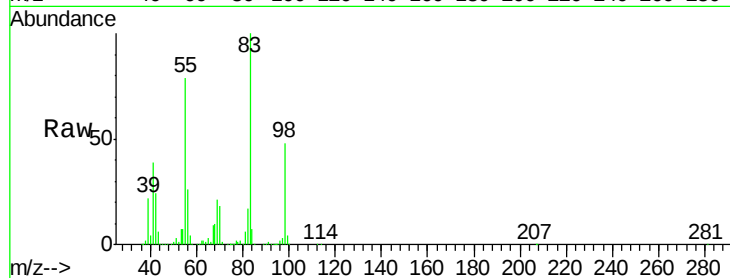




#39
Methylcyclohexane
Concen: 20.783 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

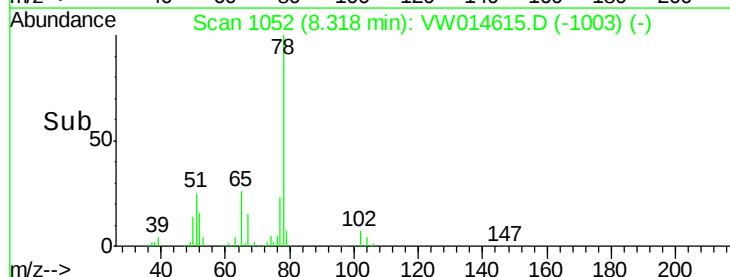
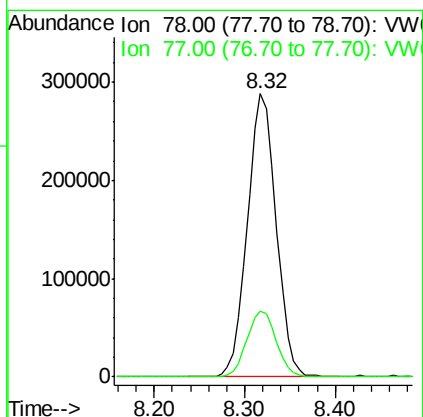
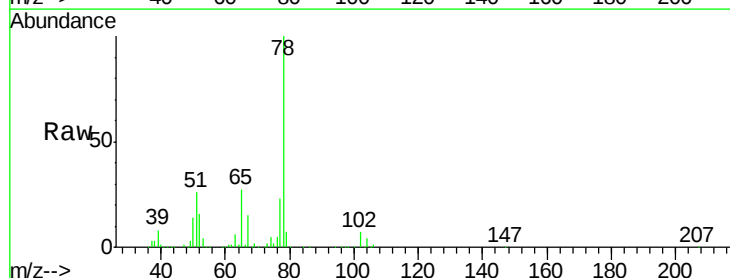
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

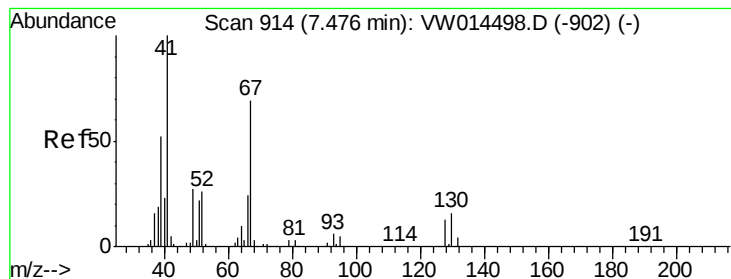
Tgt Ion: 83 Resp: 279421
Ion Ratio Lower Upper
83 100
55 79.3 60.1 90.1
98 47.8 38.8 58.2



#40
Benzene
Concen: 21.349 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 78 Resp: 632836
Ion Ratio Lower Upper
78 100
77 23.0 19.3 28.9





#41

Methacrylonitrile

Concen: 21.617 ug/l

RT: 7.48 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

Tgt Ion: 41 Resp: 57257

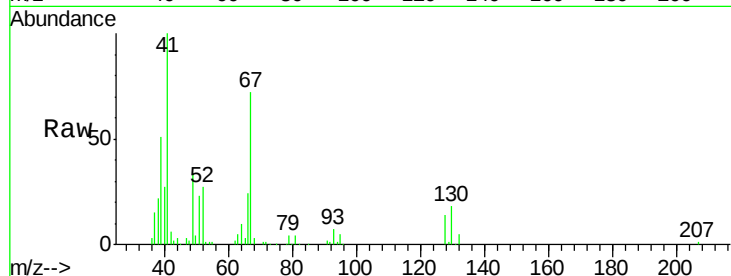
Ion Ratio Lower Upper

41 100

39 49.3 46.0 69.0

67 67.6 60.8 91.2

52 28.2 23.7 35.5

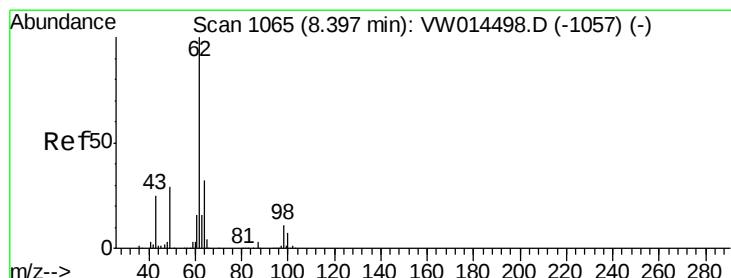
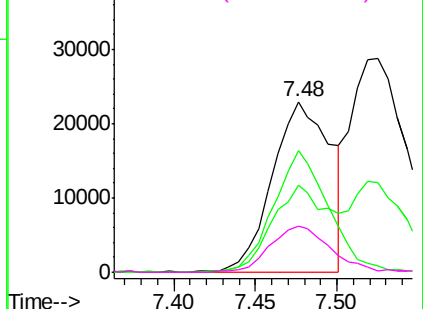
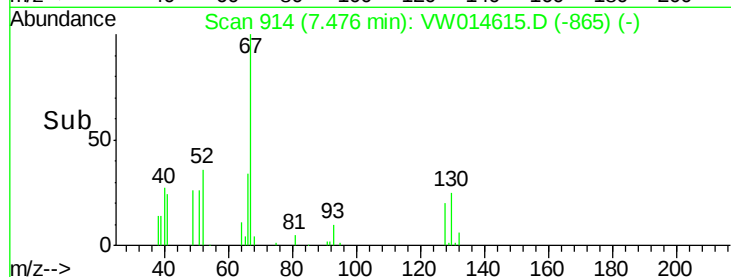


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.874 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014615.D

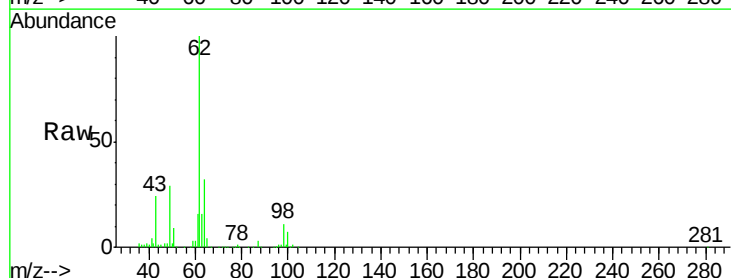
Acq: 13 Jan 2020 11:12

Tgt Ion: 62 Resp: 160568

Ion Ratio Lower Upper

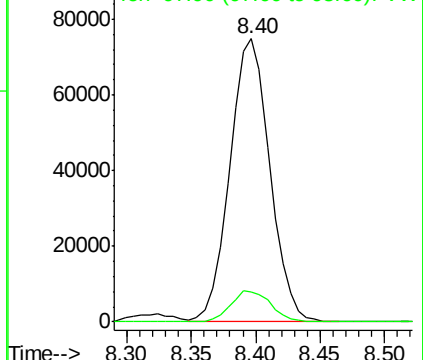
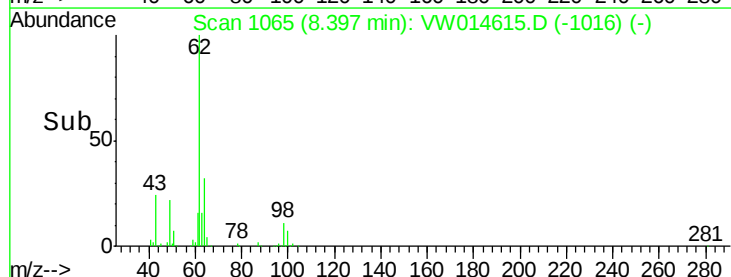
62 100

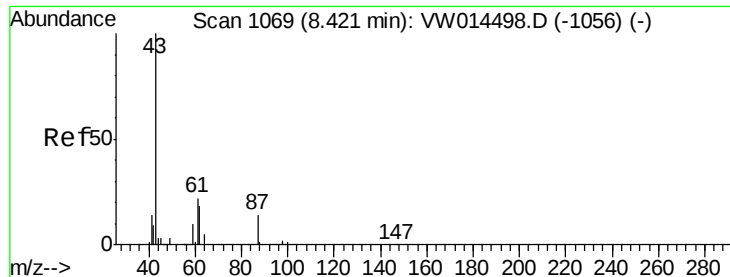
98 11.1 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.457 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

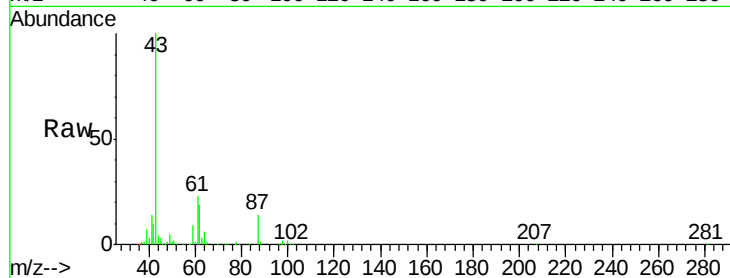
Tgt Ion: 43 Resp: 167880

Ion Ratio Lower Upper

43 100

61 31.6 24.7 37.1

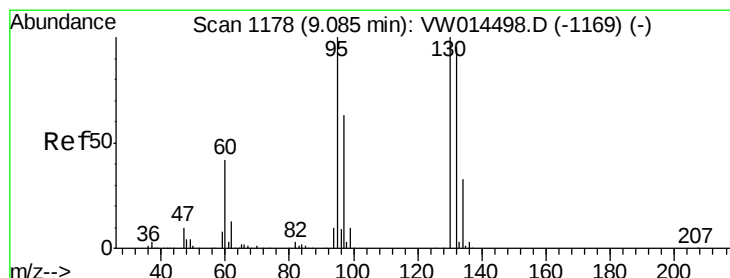
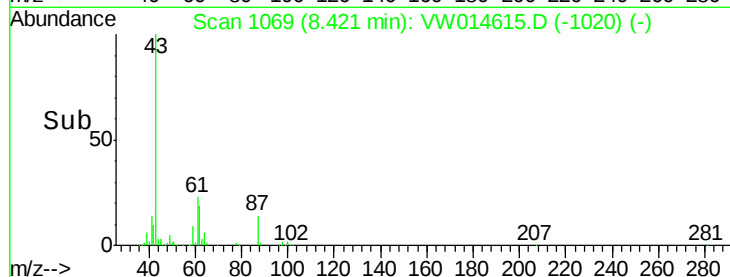
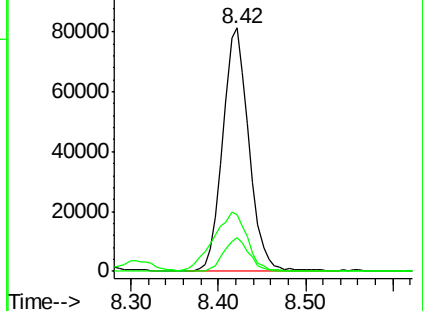
87 13.4 11.1 16.7



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: 21.017 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014615.D

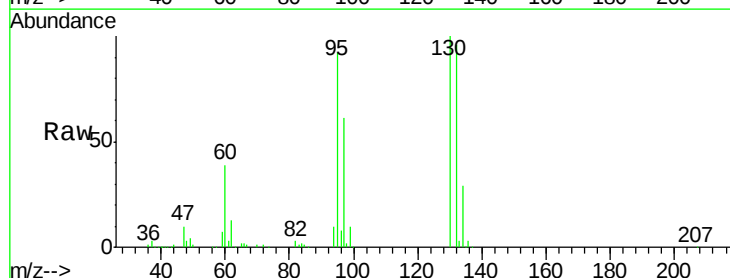
Acq: 13 Jan 2020 11:12

Tgt Ion: 130 Resp: 168577

Ion Ratio Lower Upper

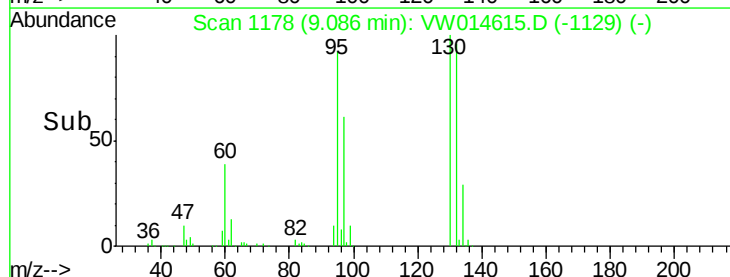
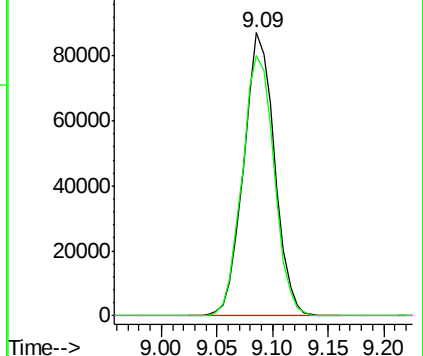
130 100

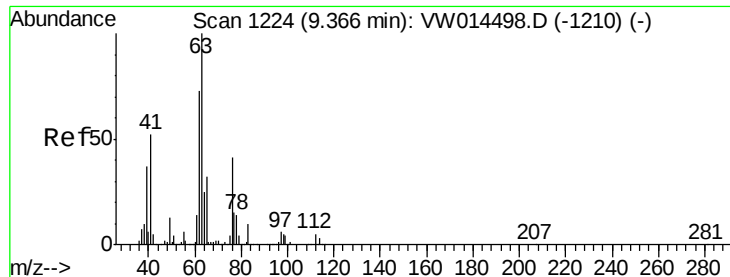
95 91.8 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.072 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

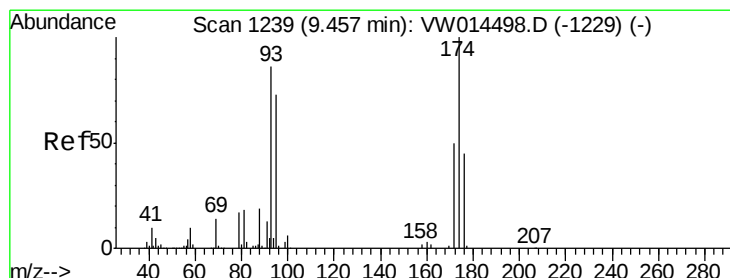
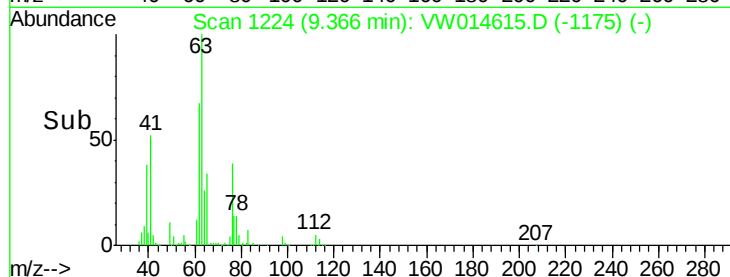
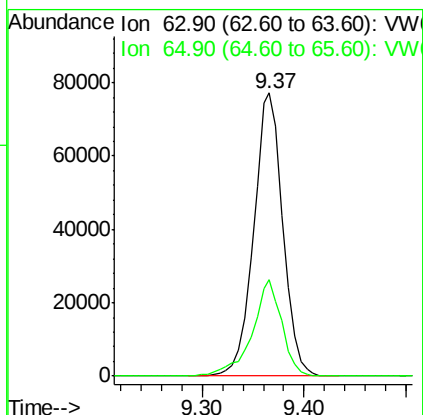
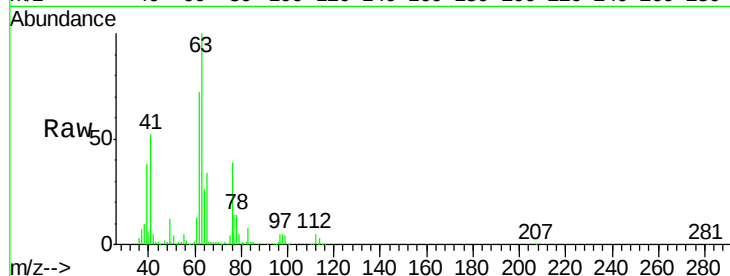
VW0113SBS01

Tgt Ion: 63 Resp: 153275

Ion Ratio Lower Upper

63 100

65 34.2 25.6 38.4



#46

Dibromomethane

Concen: 20.240 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

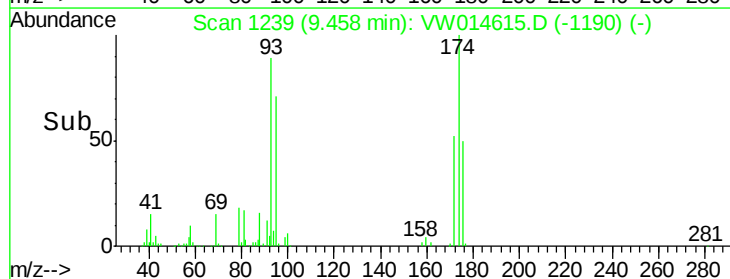
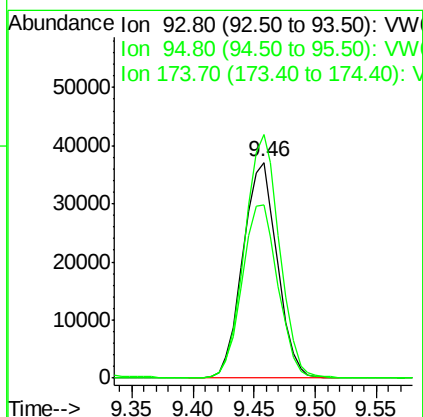
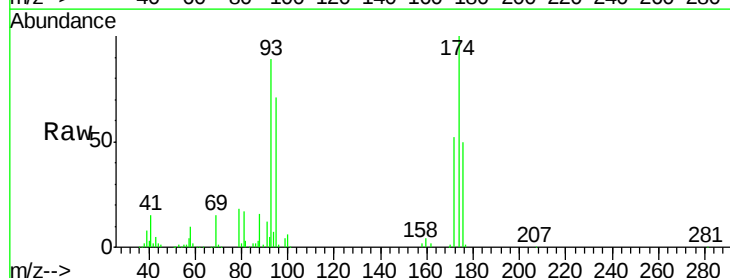
Tgt Ion: 93 Resp: 72680

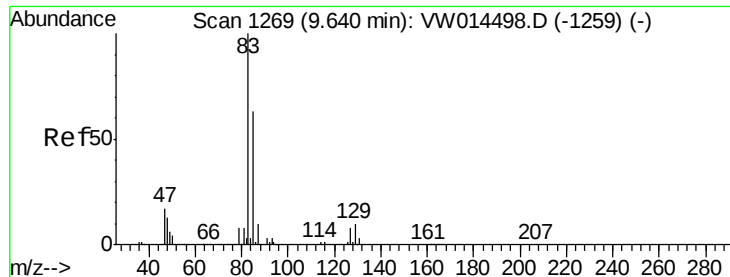
Ion Ratio Lower Upper

93 100

95 83.9 66.4 99.6

174 114.3 89.1 133.7





#47

Bromodichloromethane

Concen: 20.882 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

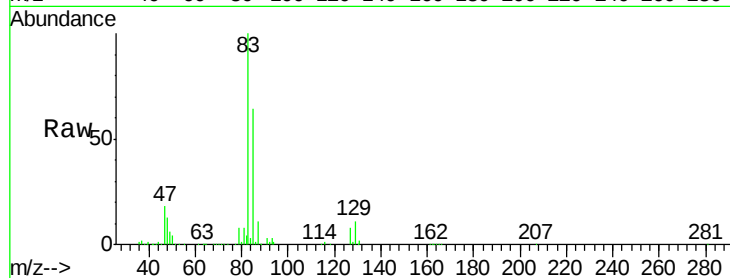
Tgt Ion: 83 Resp: 185132

Ion Ratio Lower Upper

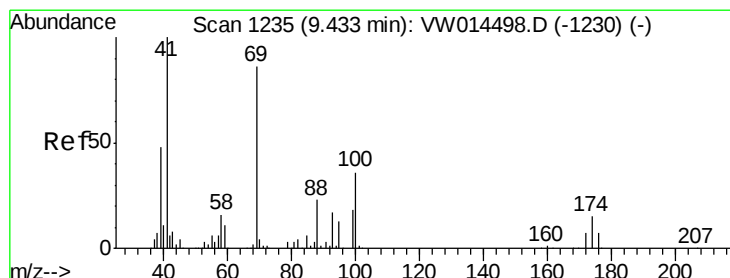
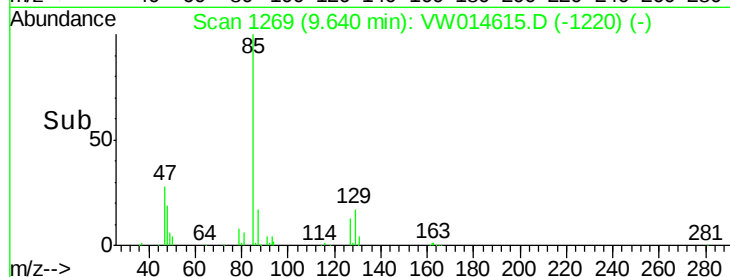
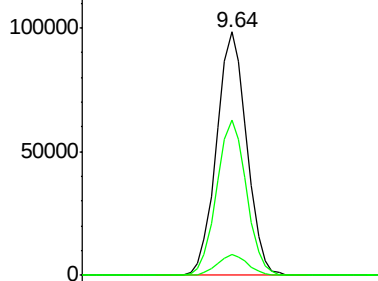
83 100

85 63.8 50.6 76.0

127 8.4 6.6 9.8



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



#48

Methyl methacrylate

Concen: 19.130 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

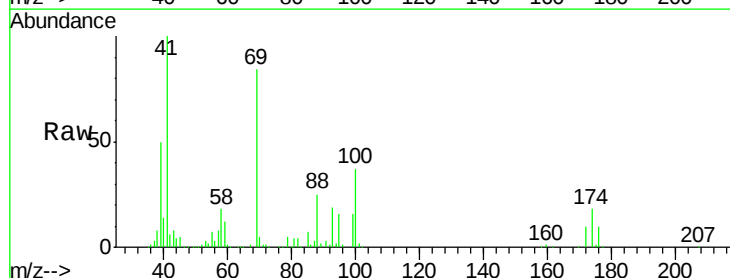
Tgt Ion: 41 Resp: 80588

Ion Ratio Lower Upper

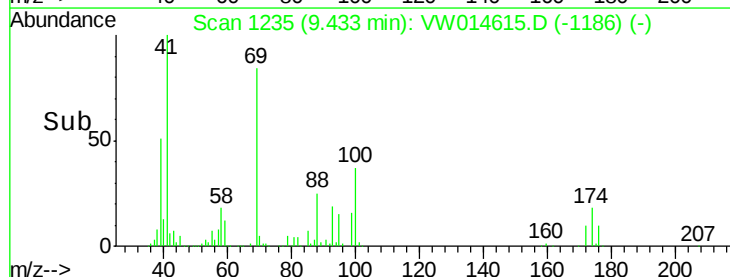
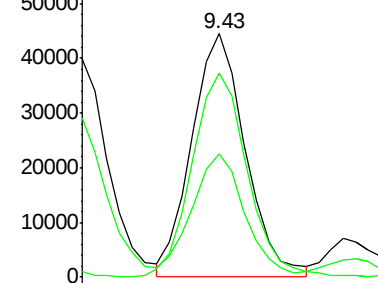
41 100

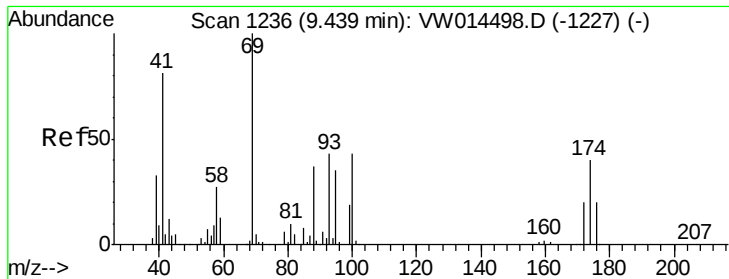
69 86.5 68.3 102.5

39 46.1 36.8 55.2



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

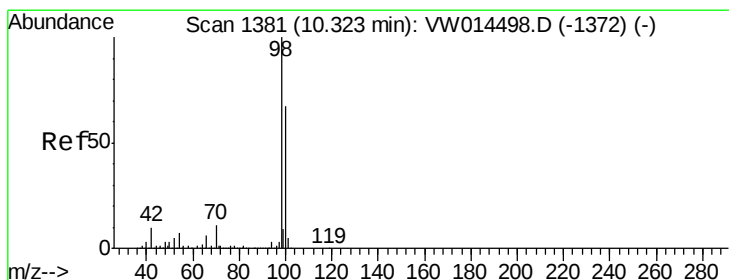
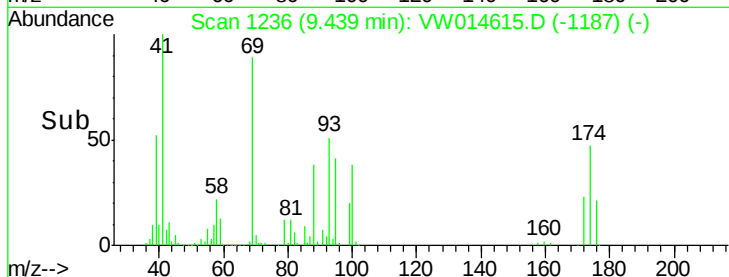
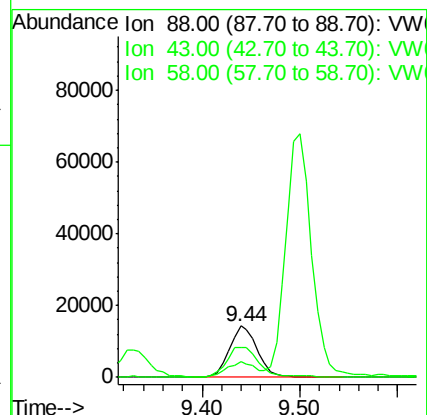
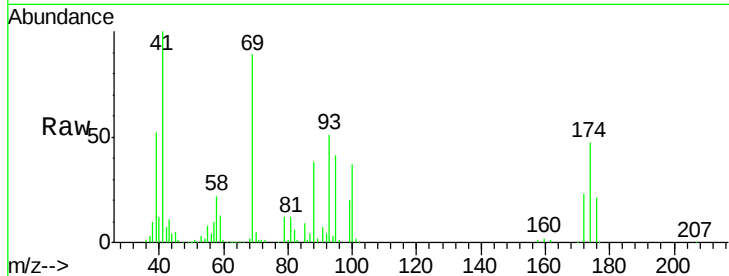




#49
 1,4-Dioxane
 Concen: 422.618 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

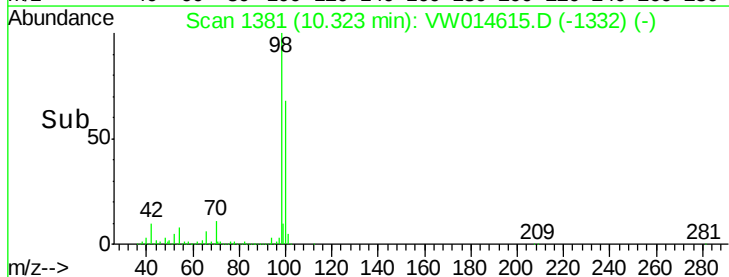
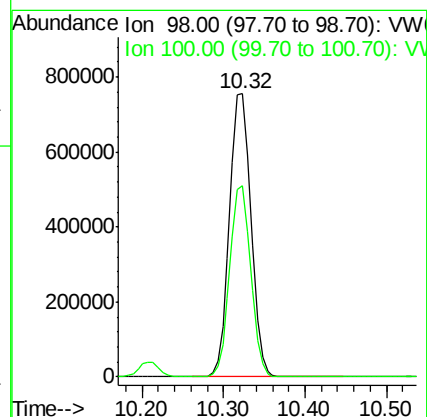
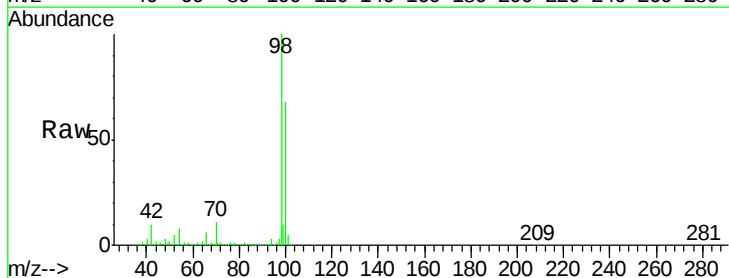
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

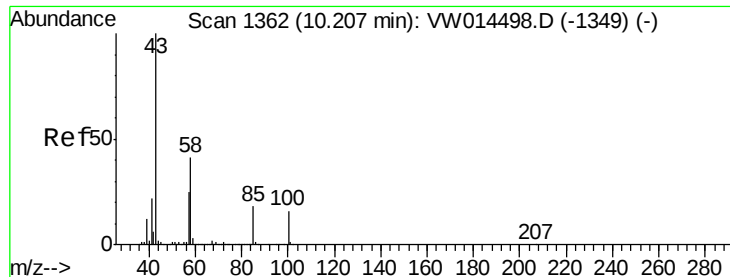
Tgt Ion: 88 Resp: 28384
 Ion Ratio Lower Upper
 88 100
 43 29.2 24.9 37.3
 58 66.0 56.9 85.3



#50
 Toluene-d8
 Concen: 52.966 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion: 98 Resp: 1372862
 Ion Ratio Lower Upper
 98 100
 100 66.1 53.8 80.6

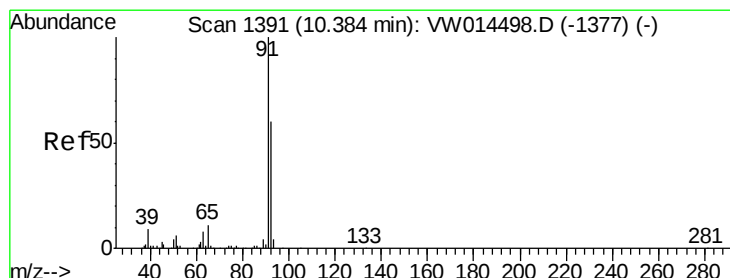
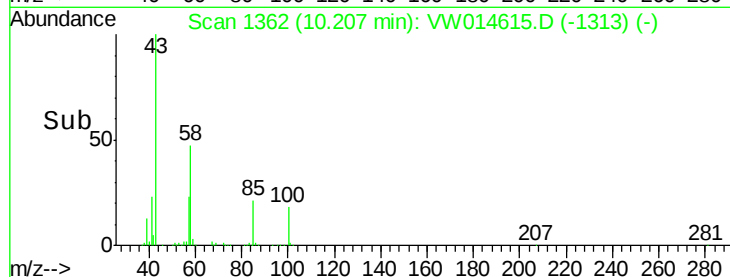
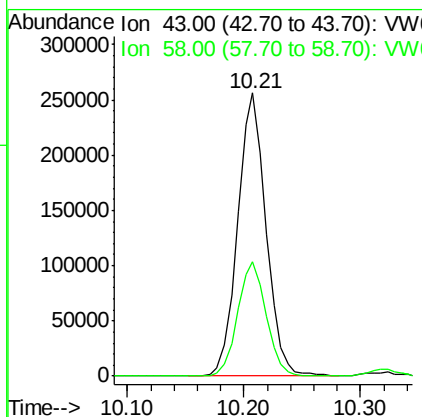
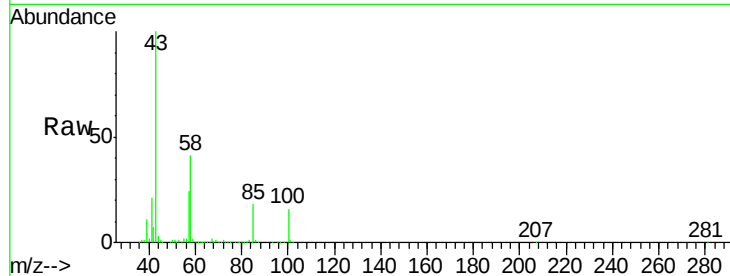




#51
 4-Methyl-2-Pentanone
 Concen: 96.956 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

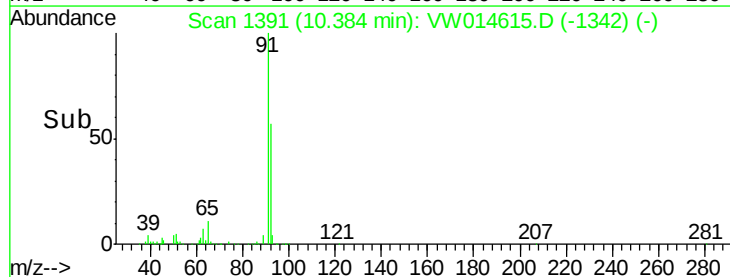
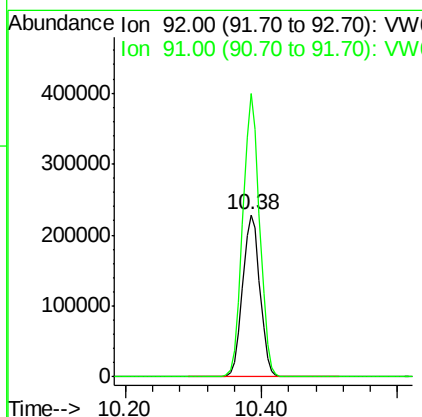
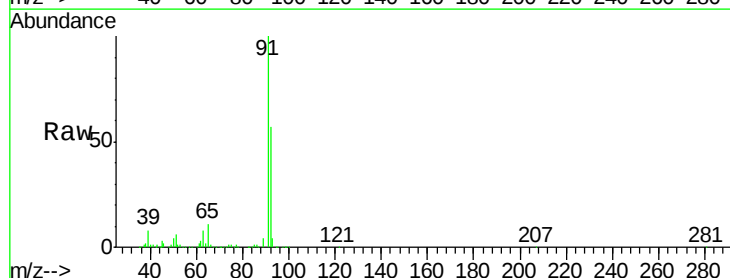
Instrument :
 MSVOA_W
 ClientSampled :
 VW0113SBS01

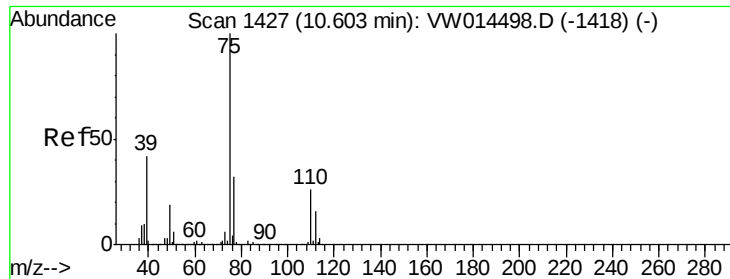
Tgt Ion: 43 Resp: 434427
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.7 49.1



#52
 Toluene
 Concen: 21.557 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion: 92 Resp: 401998
 Ion Ratio Lower Upper
 92 100
 91 170.3 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 20.315 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

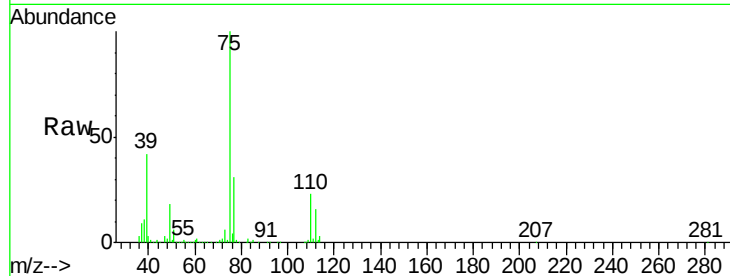
VW0113SBS01

Tgt Ion: 75 Resp: 186478

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

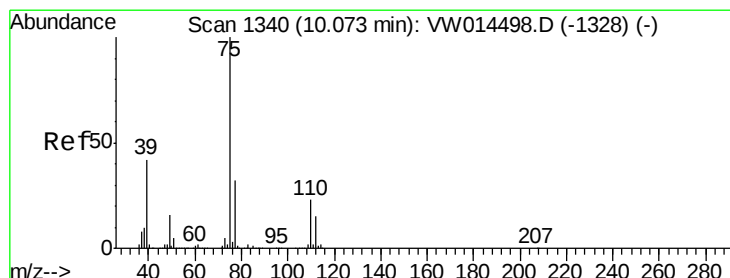
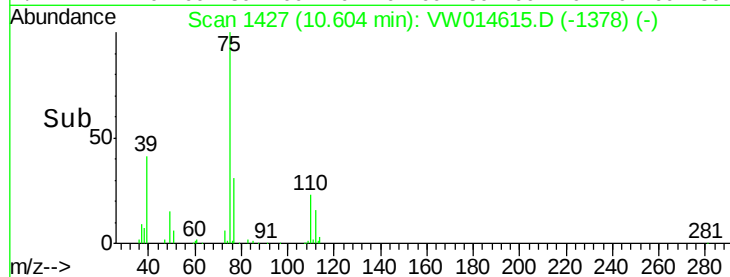
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 20.723 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

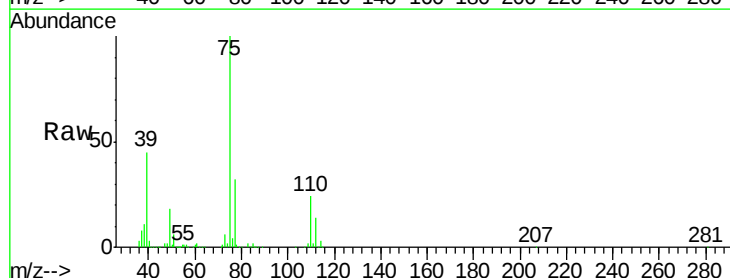
Tgt Ion: 75 Resp: 232480

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 44.4 33.4 50.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

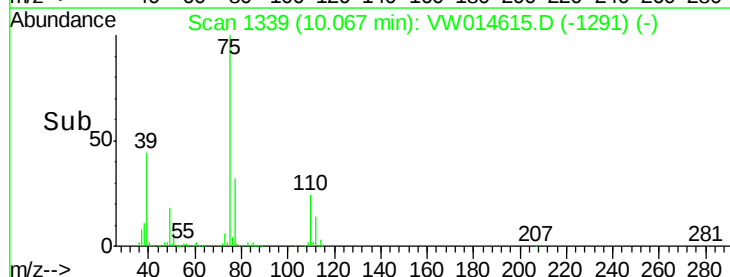
150000

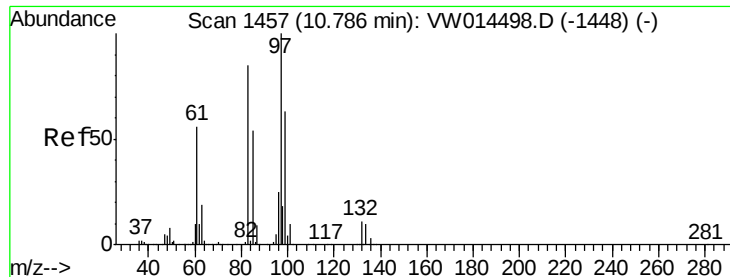
100000

50000

0

Time--> 10.00 10.10

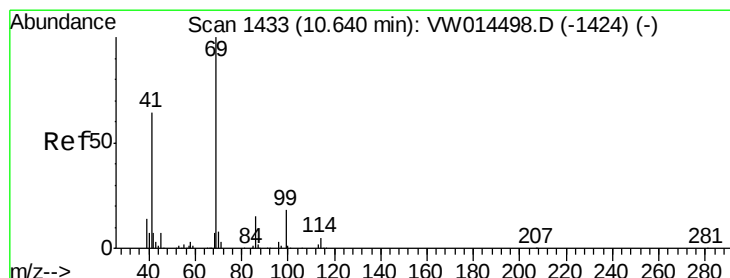
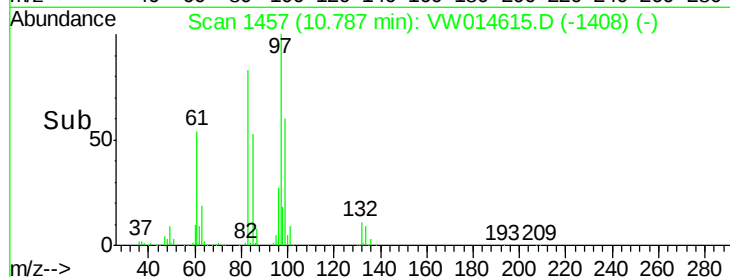
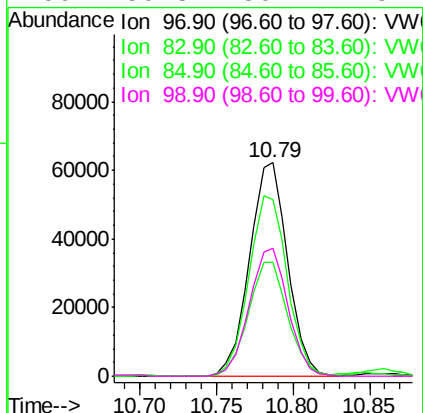
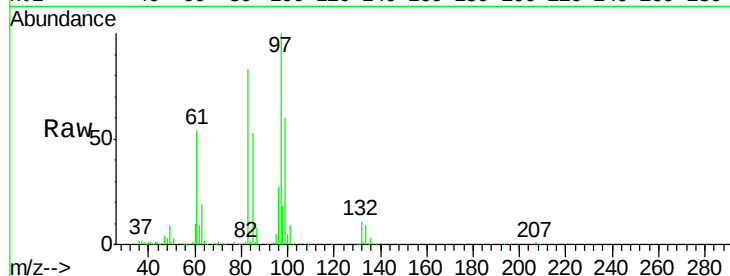




#55
 1,1,2-Trichloroethane
 Concen: 20.579 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

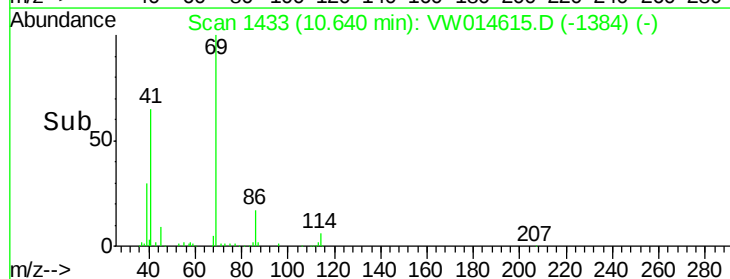
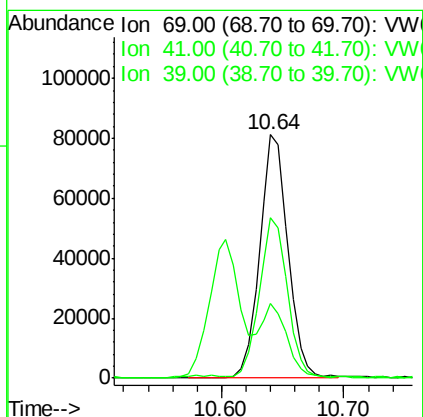
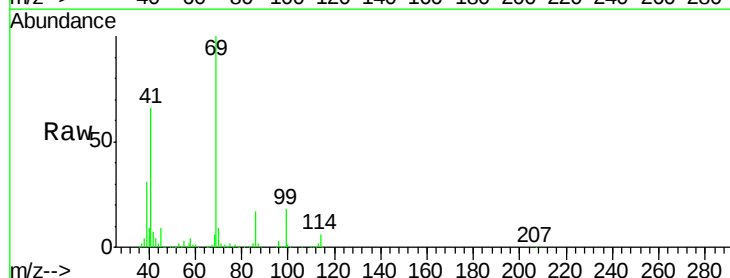
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

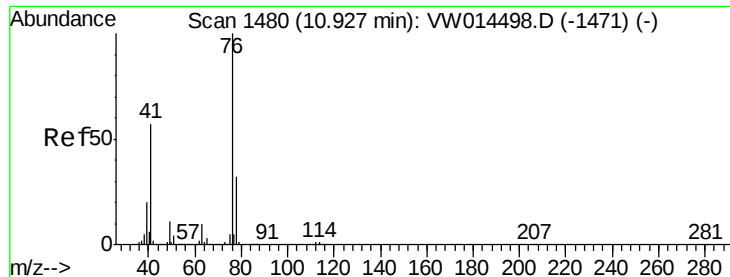
Tgt Ion:	97	Resp:	107927
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.2	102.4
85	53.4	43.0	64.4
99	59.8	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 19.176 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion:	69	Resp:	130698
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.3	76.9
39	25.8	21.0	31.6





#57

1,3-Dichloropropane

Concen: 20.649 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

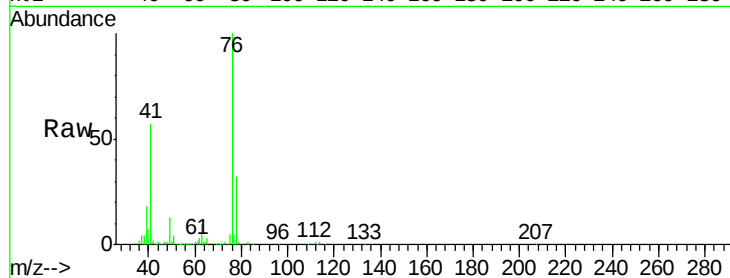
VW0113SBS01

Tgt Ion: 76 Resp: 190328

Ion Ratio Lower Upper

76 100

78 31.9 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

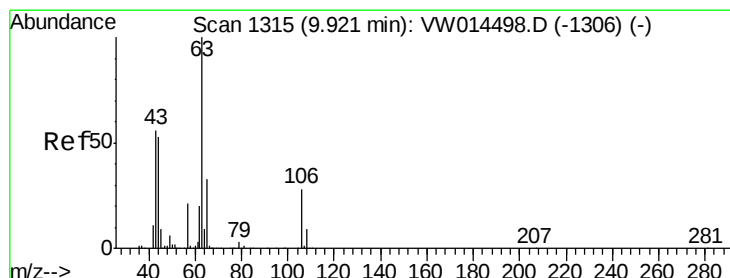
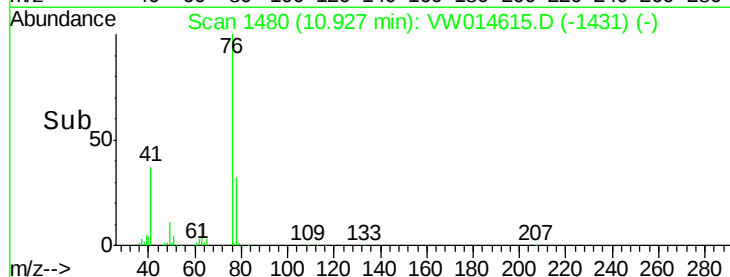
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 84.647 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014615.D

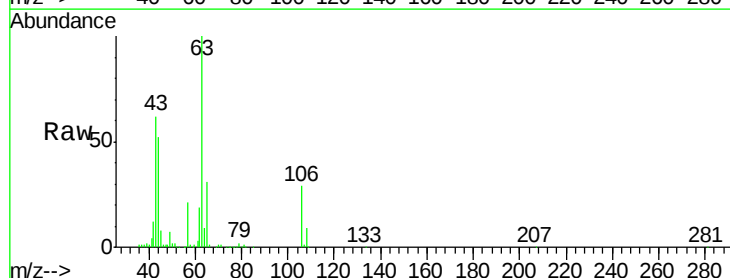
Acq: 13 Jan 2020 11:12

Tgt Ion: 63 Resp: 175461

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

120000

100000

80000

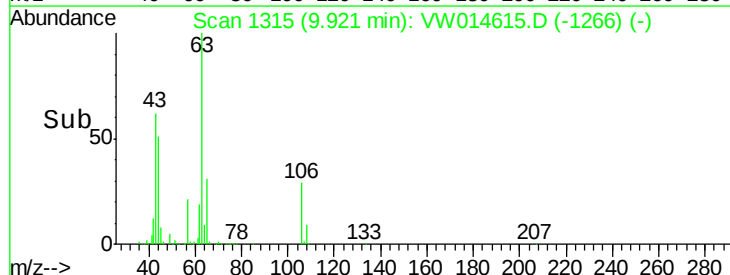
60000

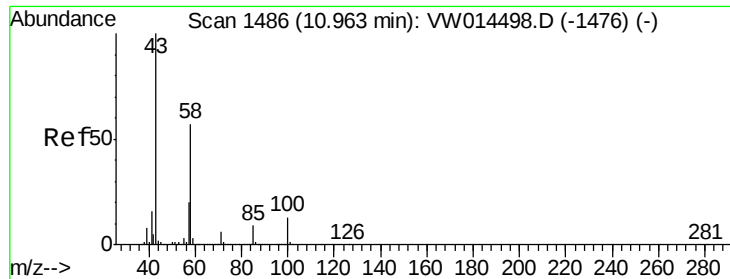
40000

20000

0

Time--> 9.80 9.90 10.00

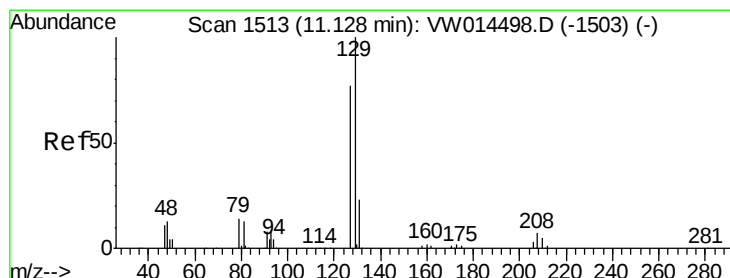
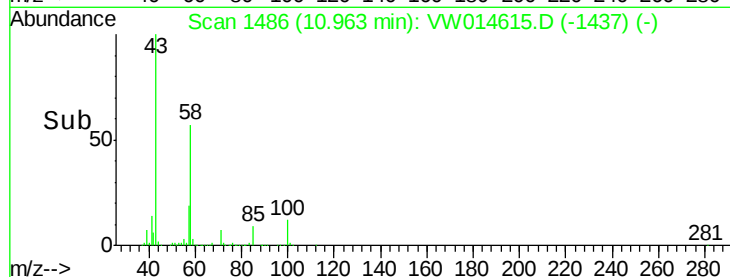
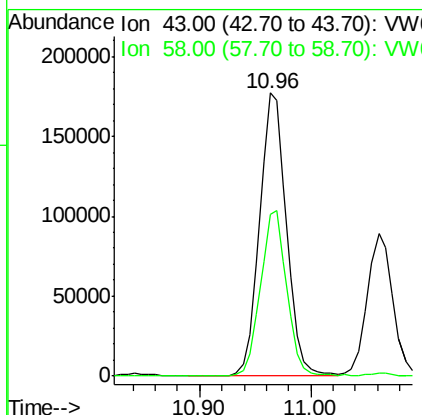
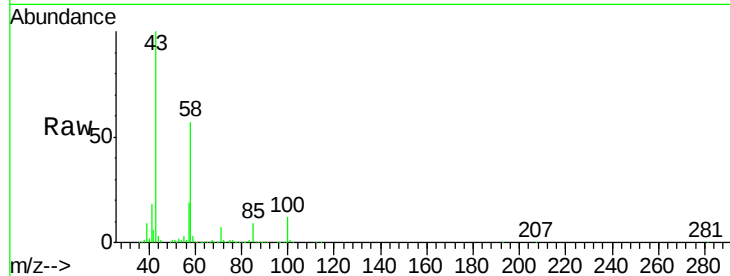




#59
2-Hexanone
Concen: 96.764 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

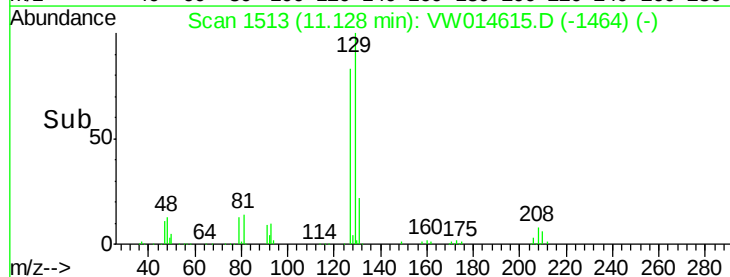
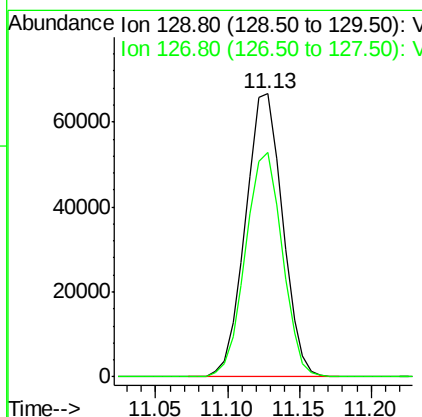
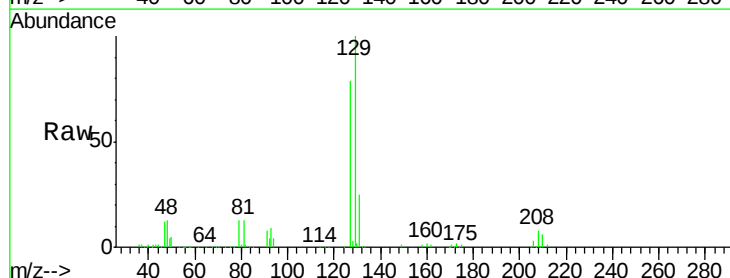
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

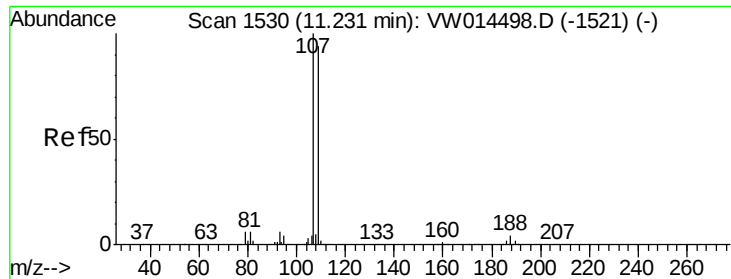
Tgt Ion: 43 Resp: 298765
Ion Ratio Lower Upper
43 100
58 57.4 28.7 86.3



#60
Dibromochloromethane
Concen: 20.126 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 129 Resp: 119092
Ion Ratio Lower Upper
129 100
127 78.7 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.189 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

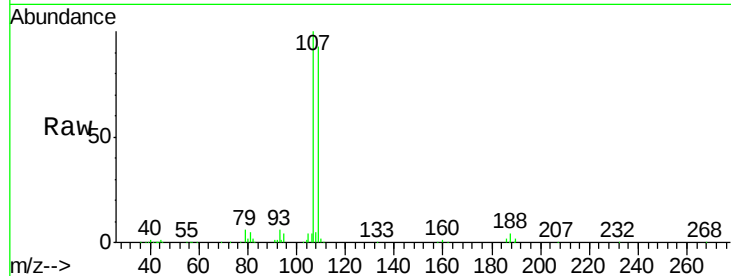
VW0113SBS01

Tgt Ion: 107 Resp: 100506

Ion Ratio Lower Upper

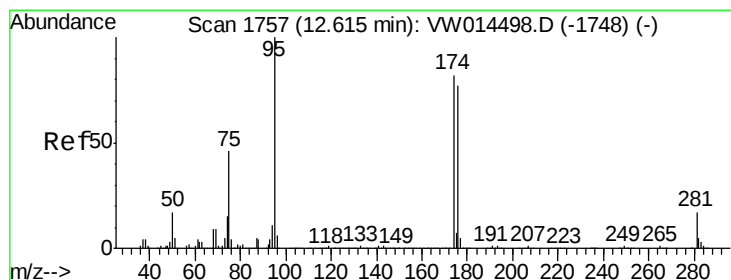
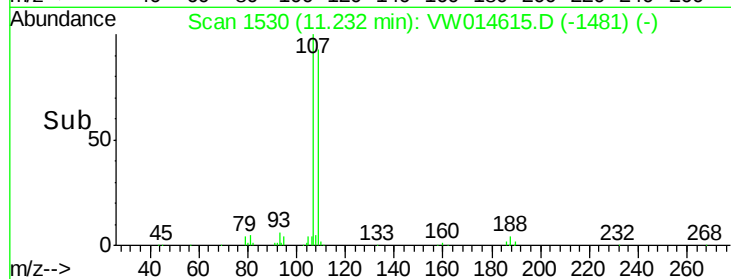
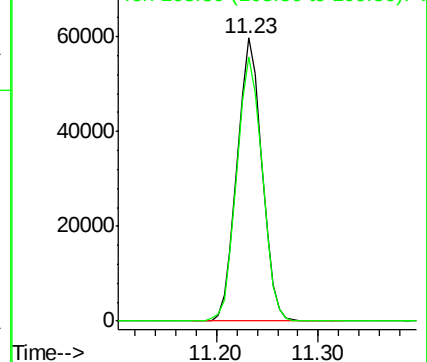
107 100

109 95.9 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.744 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

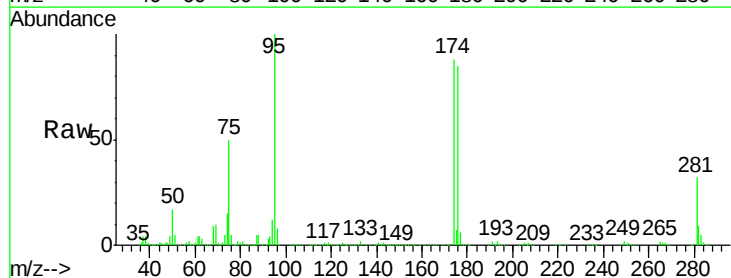
Tgt Ion: 95 Resp: 454916

Ion Ratio Lower Upper

95 100

174 85.5 0.0 168.6

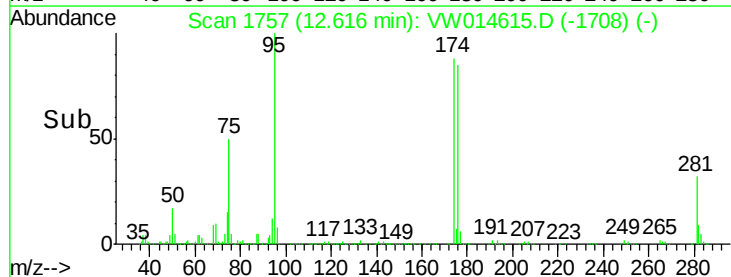
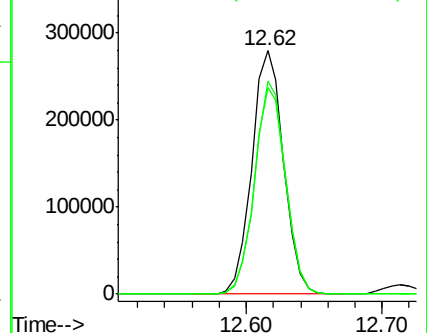
176 84.1 0.0 162.0

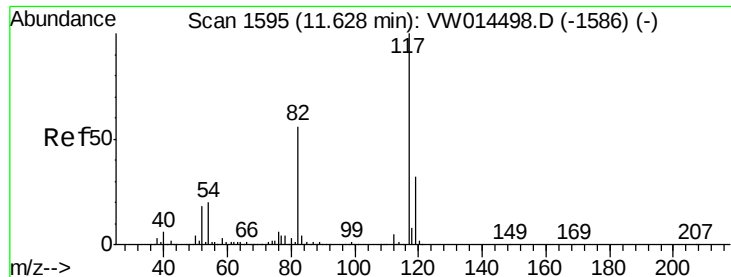


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

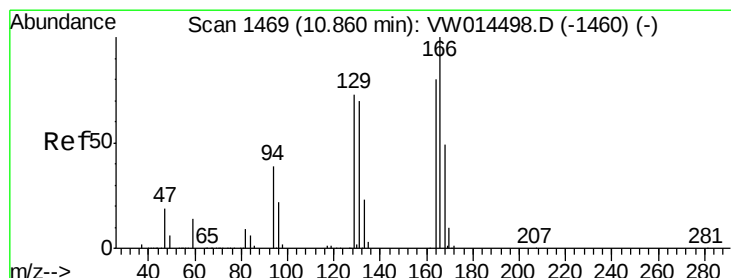
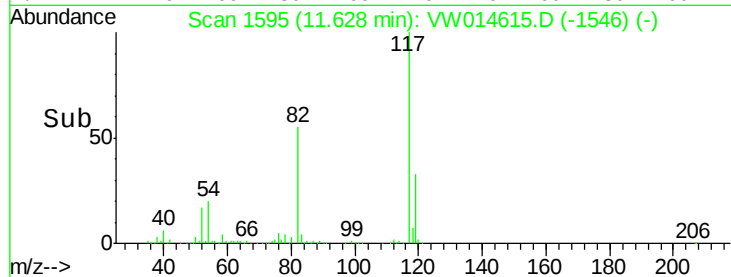
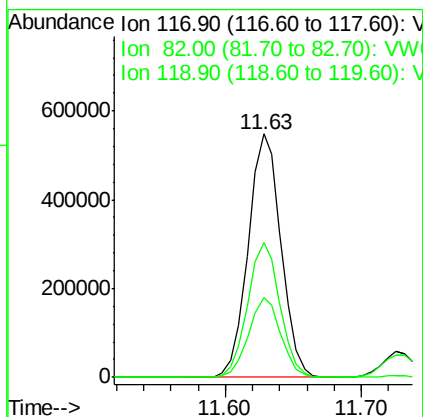
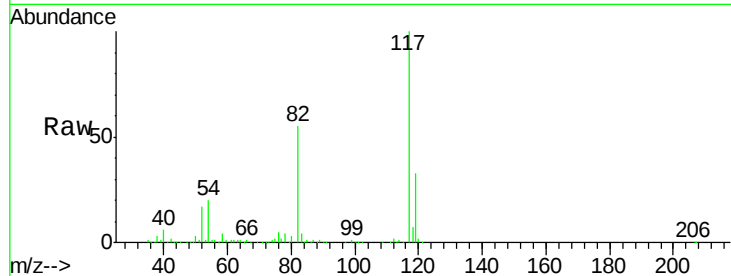




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

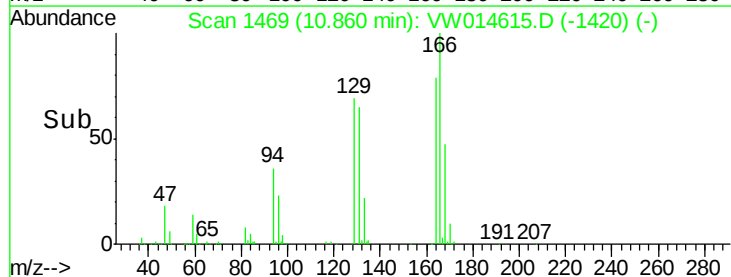
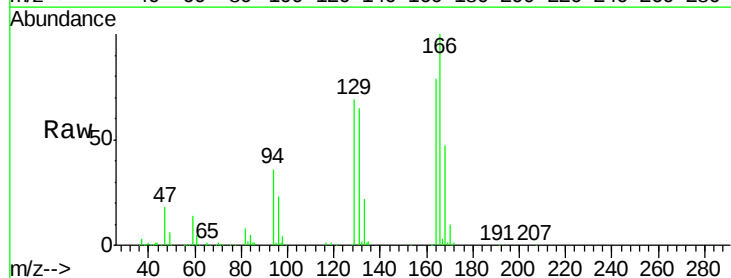
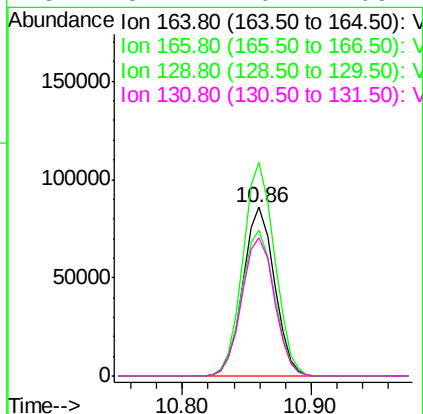
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

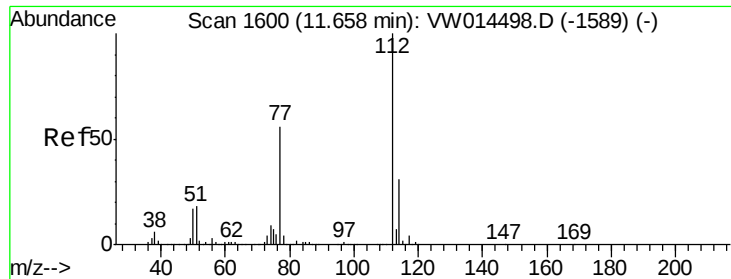
Tgt Ion:117 Resp: 925971
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 33.0 25.7 38.5



#64
Tetrachloroethene
Concen: 21.580 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion:164 Resp: 144669
Ion Ratio Lower Upper
164 100
166 126.6 99.8 149.6
129 86.8 72.4 108.6
131 82.2 70.1 105.1

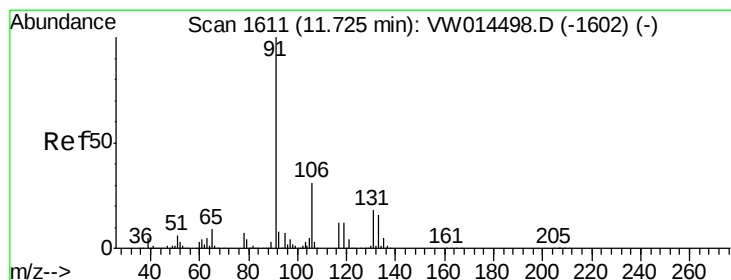
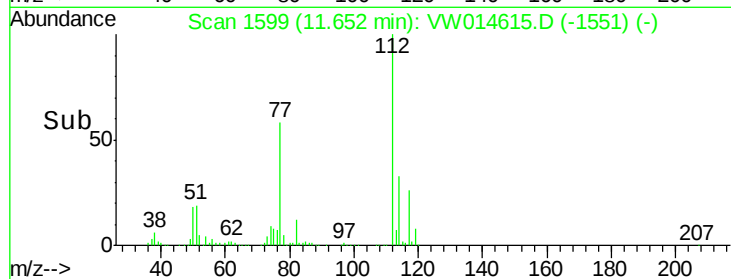
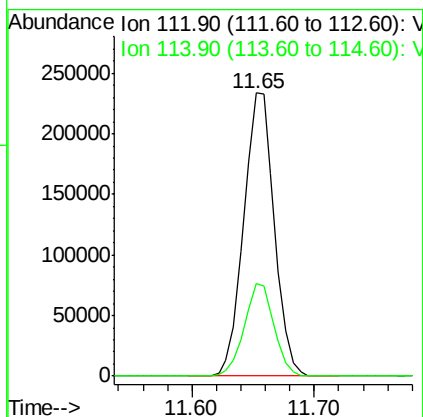
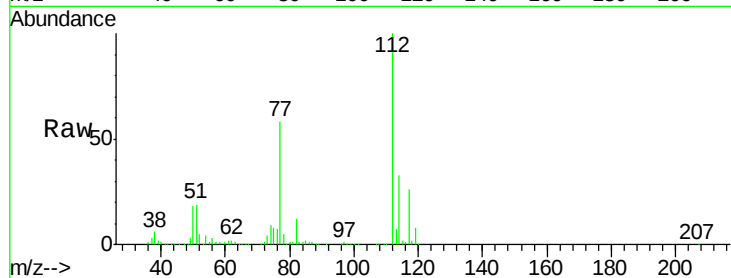




#65
Chlorobenzene
Concen: 21.386 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

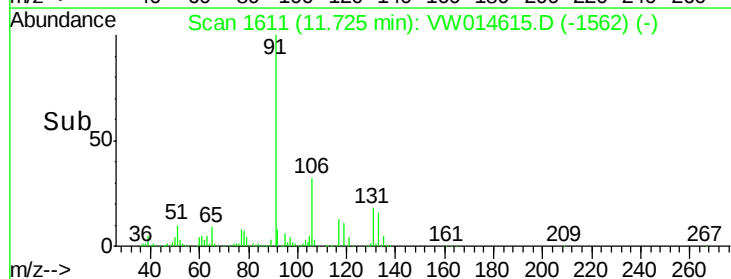
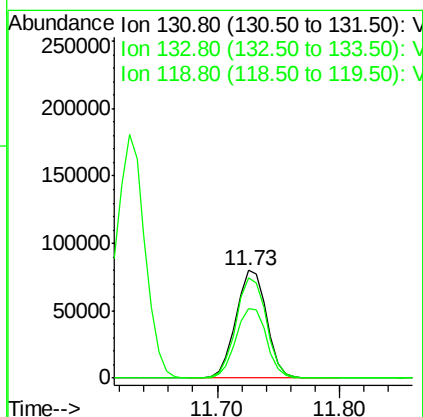
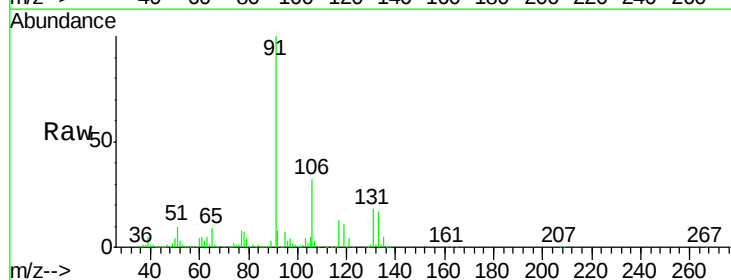
Instrument :
MSVOA_W
ClientSampled :
VW0113SBS01

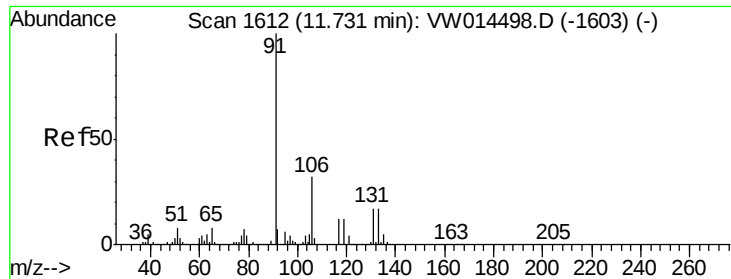
Tgt Ion:112 Resp: 405702
Ion Ratio Lower Upper
112 100
114 32.9 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.754 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion:131 Resp: 138946
Ion Ratio Lower Upper
131 100
133 92.5 47.3 142.0
119 65.1 33.1 99.3

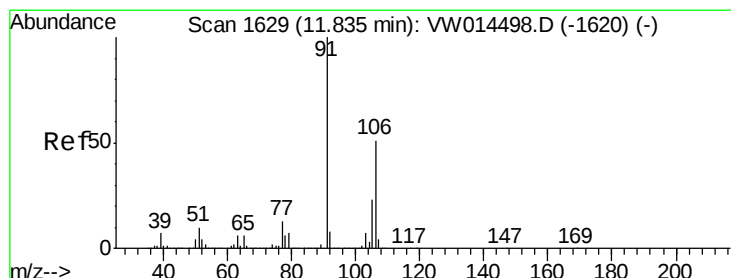
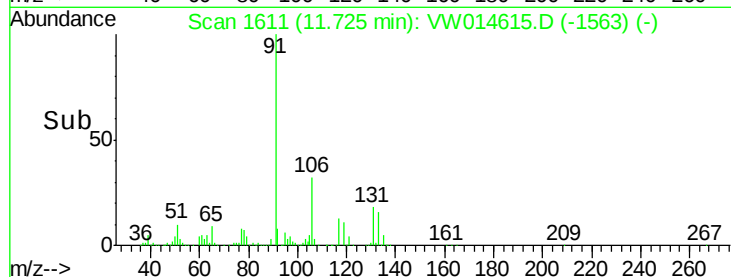
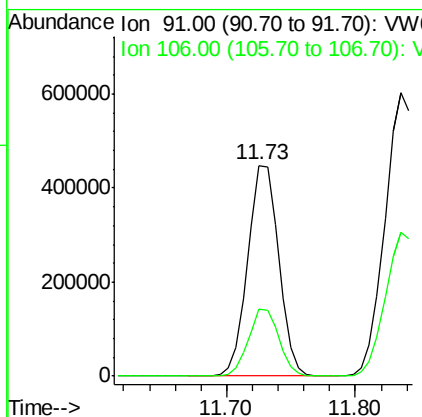
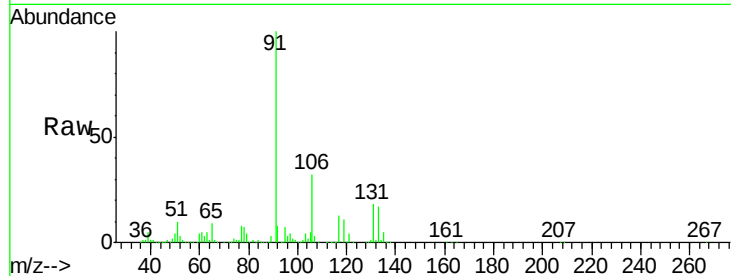




#67
Ethyl Benzene
Concen: 21.689 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

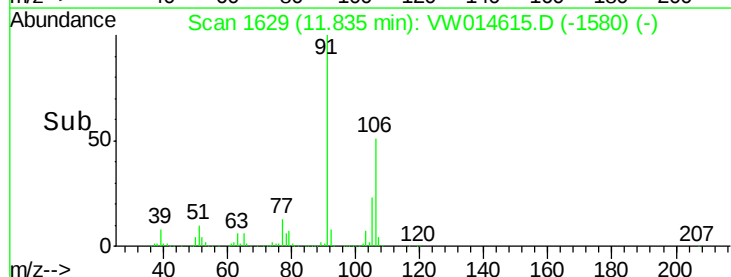
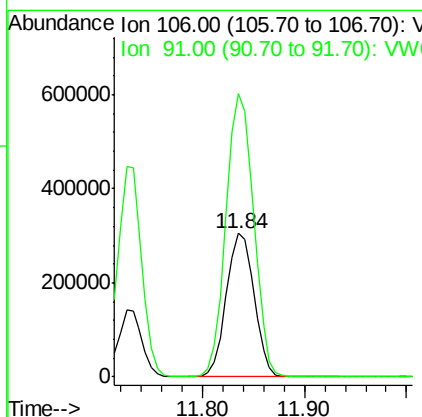
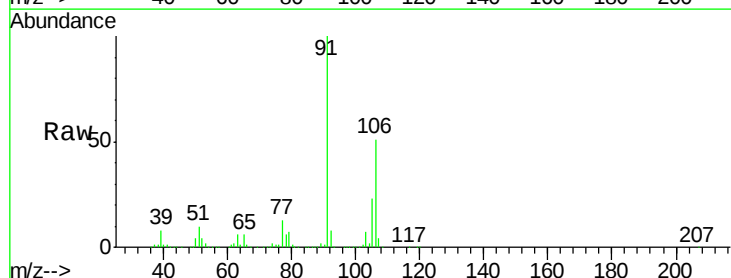
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

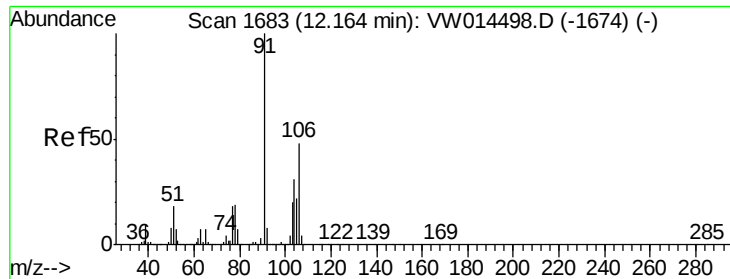
Tgt Ion: 91 Resp: 741489
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 43.931 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion: 106 Resp: 574811
Ion Ratio Lower Upper
106 100
91 196.5 159.0 238.6

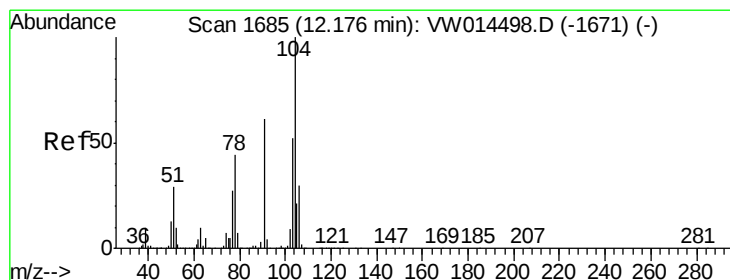
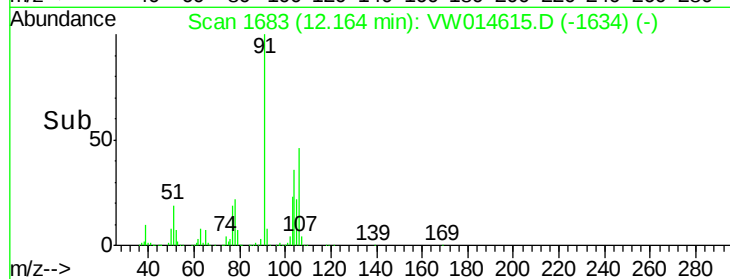
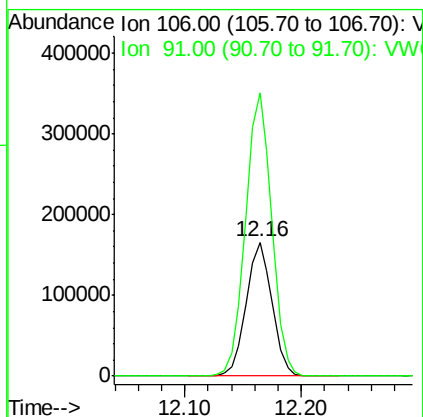
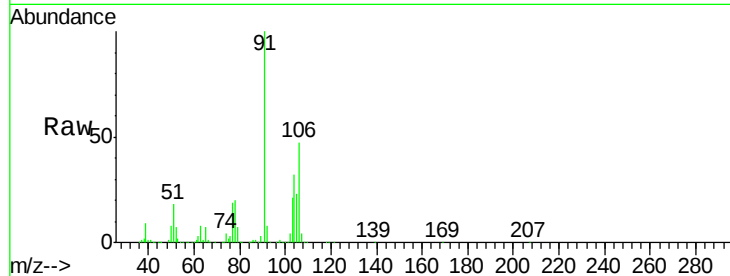




#69
o-Xylene
Concen: 21.294 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

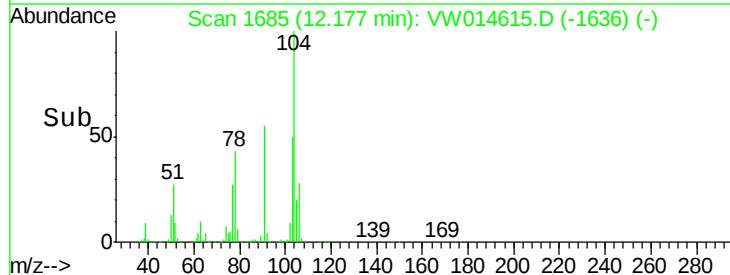
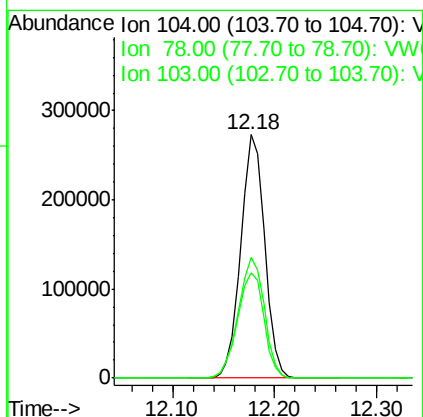
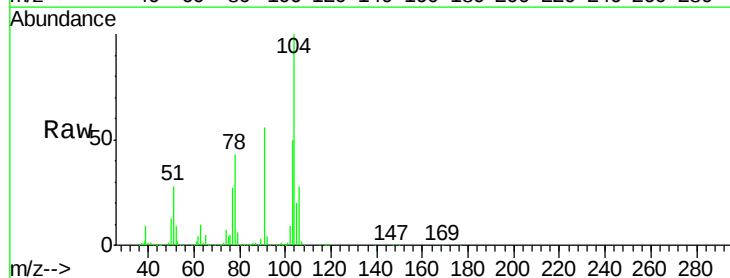
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

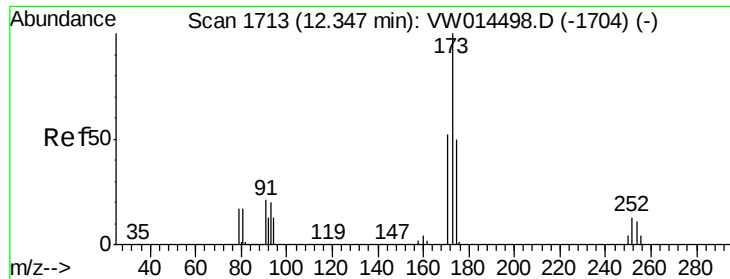
Tgt Ion:106 Resp: 257360
Ion Ratio Lower Upper
106 100
91 213.8 105.2 315.6



#70
Styrene
Concen: 21.722 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion:104 Resp: 444066
Ion Ratio Lower Upper
104 100
78 48.1 38.4 57.6
103 54.0 43.7 65.5

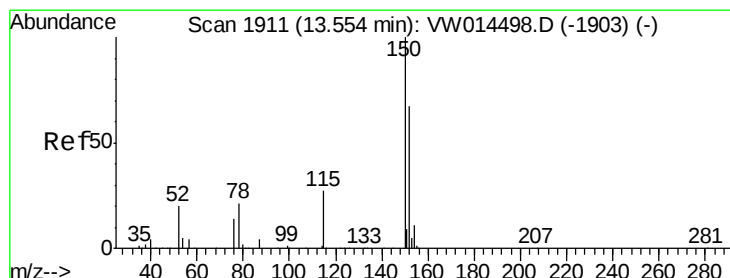
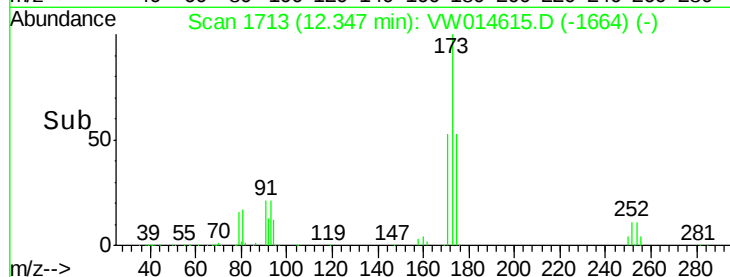
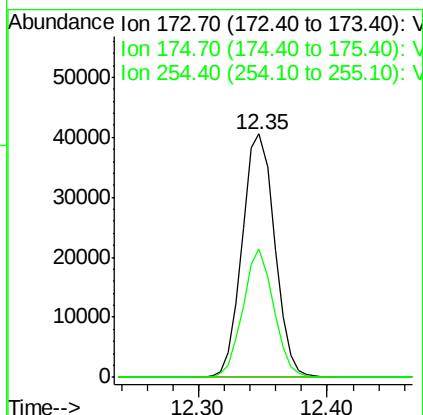
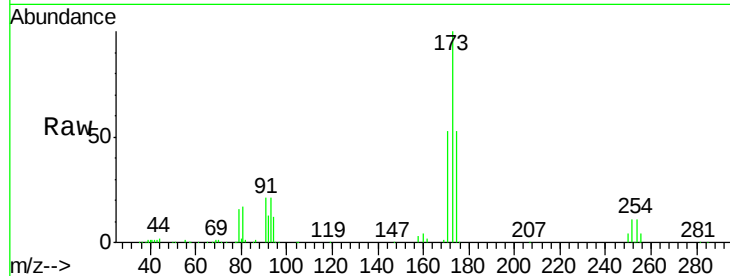




#71
Bromoform
Concen: 20.250 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

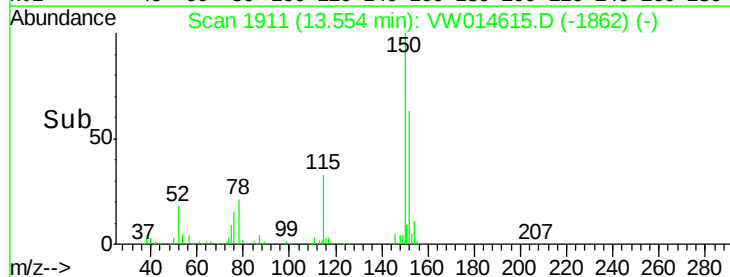
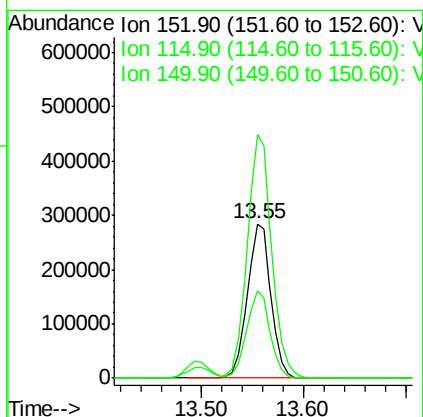
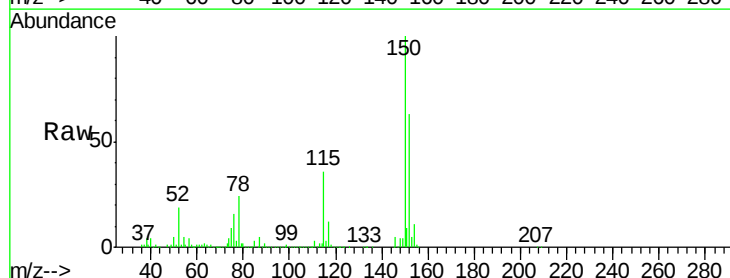
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

Tgt Ion:173 Resp: 70549
Ion Ratio Lower Upper
173 100
175 49.9 24.5 73.5
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion:152 Resp: 454318
Ion Ratio Lower Upper
152 100
115 56.3 27.7 83.1
150 164.3 0.0 343.4





#73

Isopropylbenzene

Concen: 21.880 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

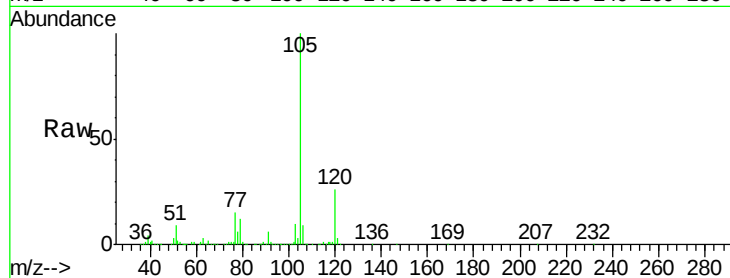
VW0113SBS01

Tgt Ion: 105 Resp: 729381

Ion Ratio Lower Upper

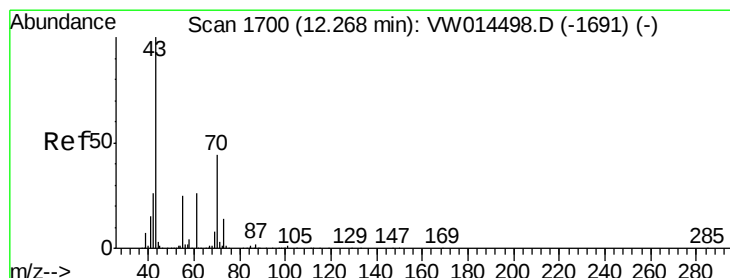
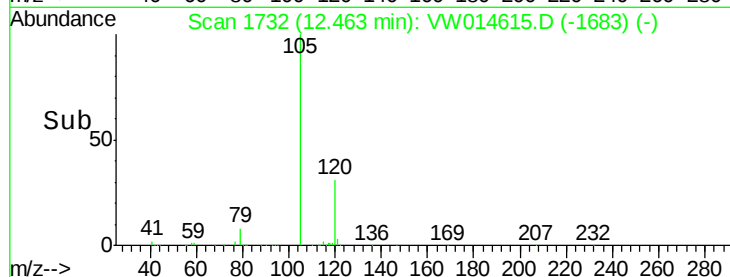
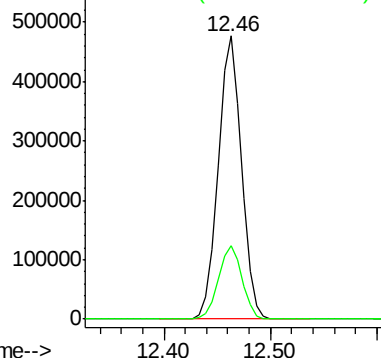
105 100

120 26.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.537 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Tgt Ion: 43 Resp: 146028

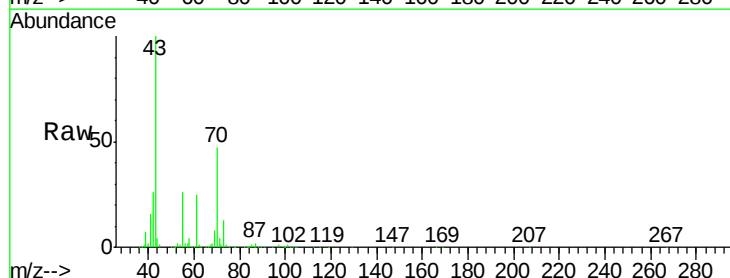
Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 26.9 20.9 31.3

61 25.9 20.7 31.1

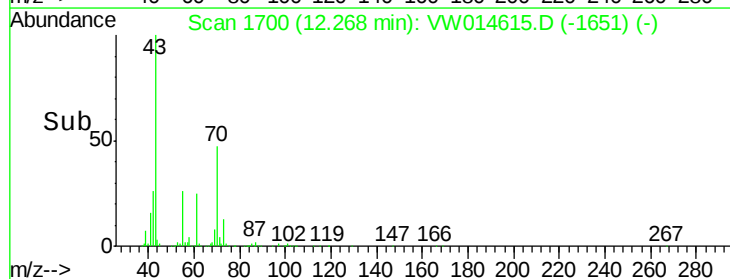
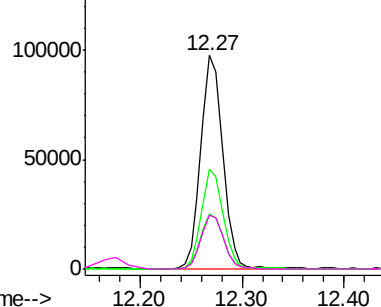


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.189 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

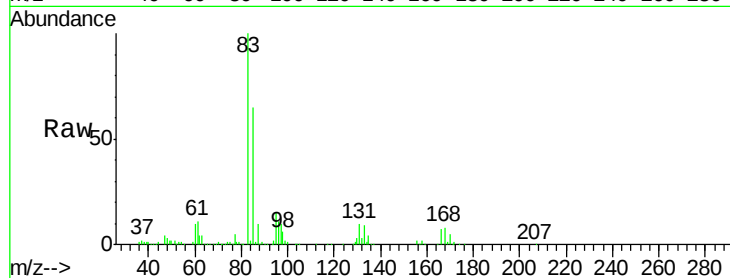
Tgt Ion: 83 Resp: 121475

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

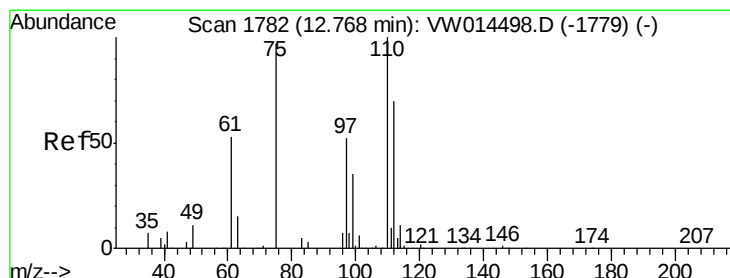
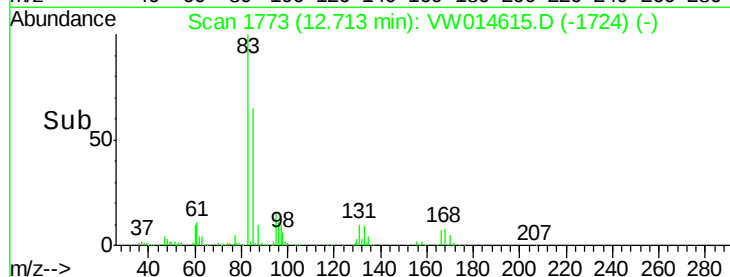
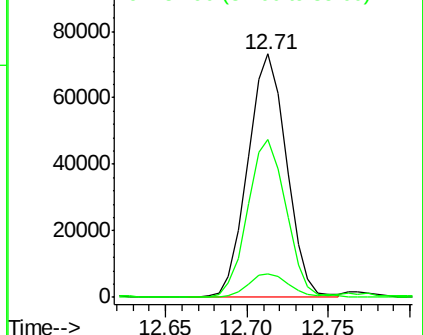
85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.863 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014615.D

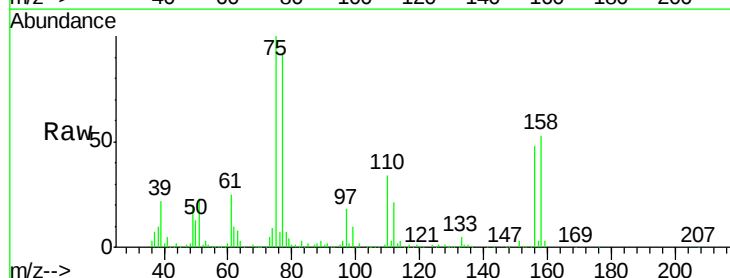
Acq: 13 Jan 2020 11:12

Tgt Ion: 75 Resp: 154050

Ion Ratio Lower Upper

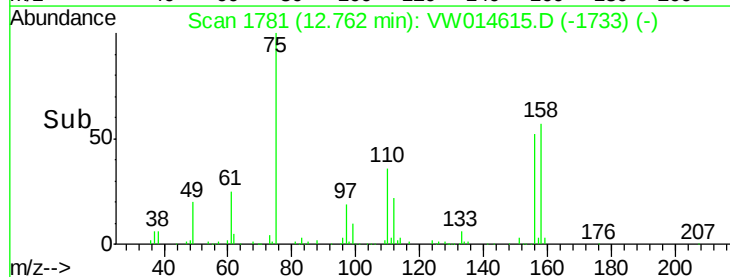
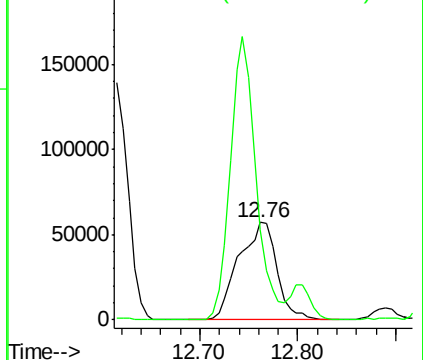
75 100

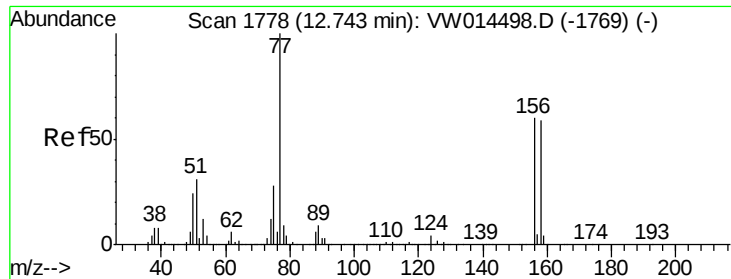
77 196.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.187 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

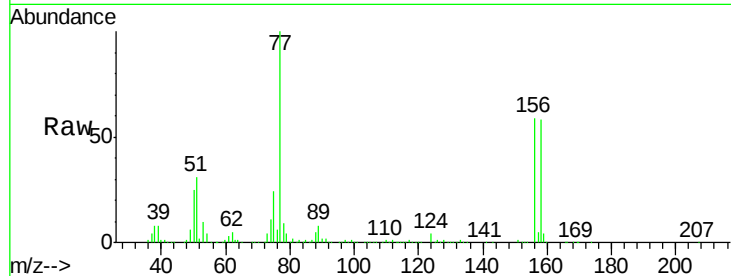
Tgt Ion:156 Resp: 164036

Ion Ratio Lower Upper

156 100

77 184.5 92.3 277.1

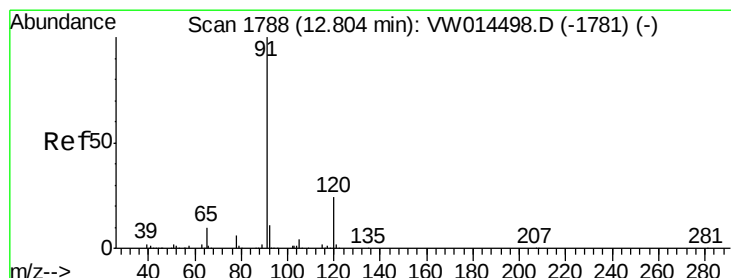
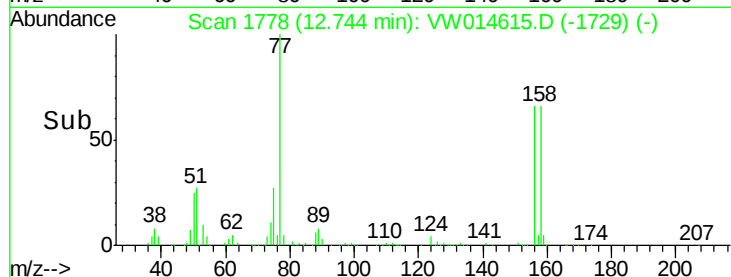
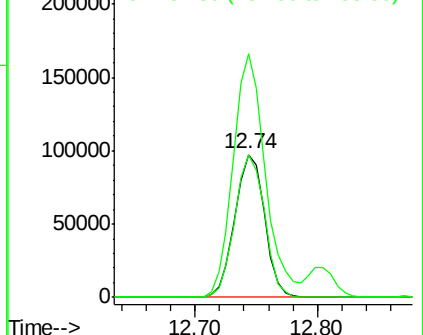
158 99.5 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.946 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014615.D

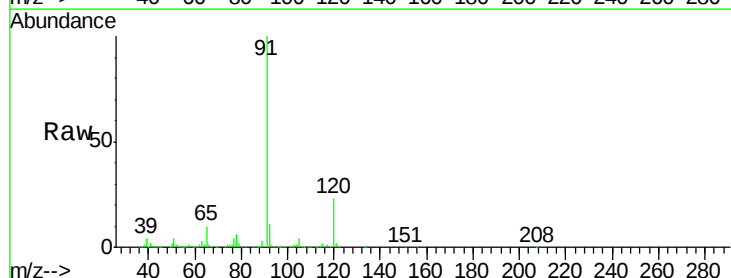
Acq: 13 Jan 2020 11:12

Tgt Ion: 91 Resp: 860267

Ion Ratio Lower Upper

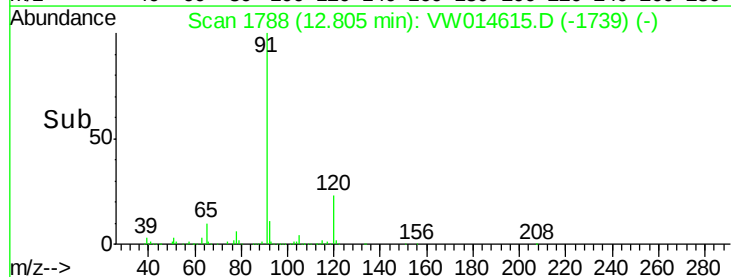
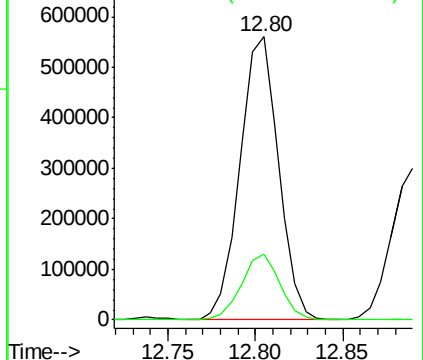
91 100

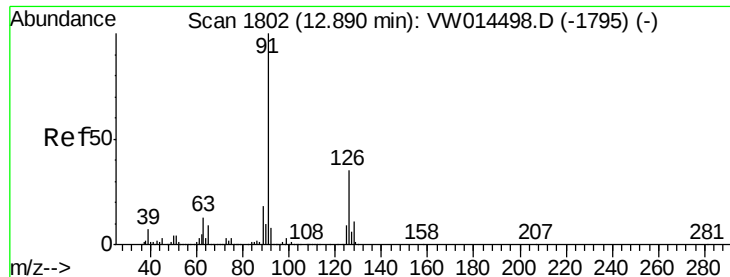
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

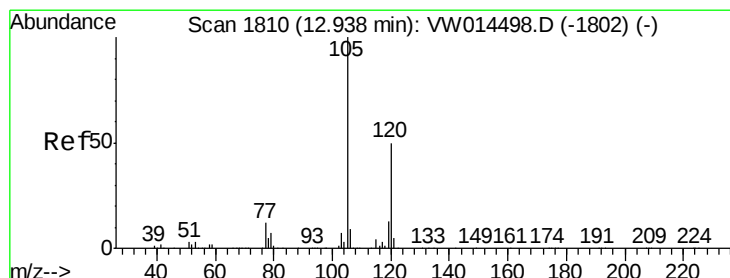
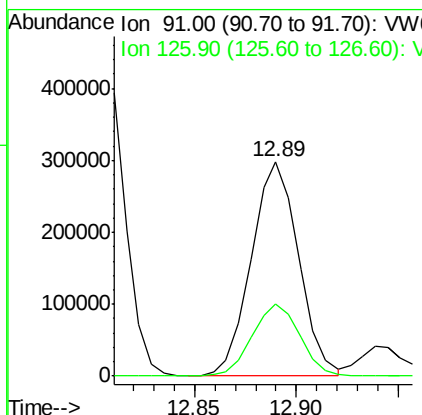
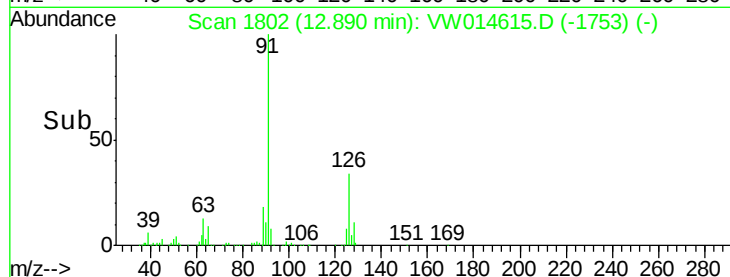
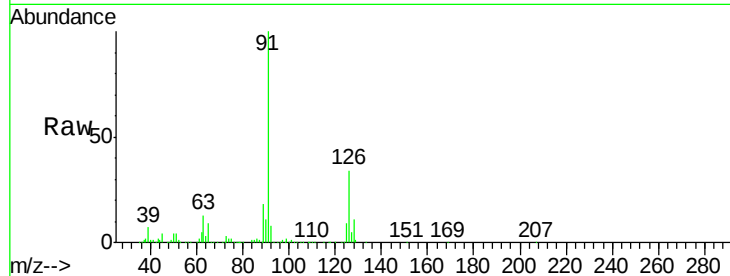




#79
 2-Chlorotoluene
 Concen: 21.529 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

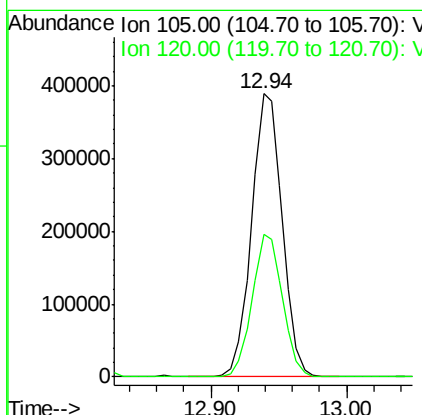
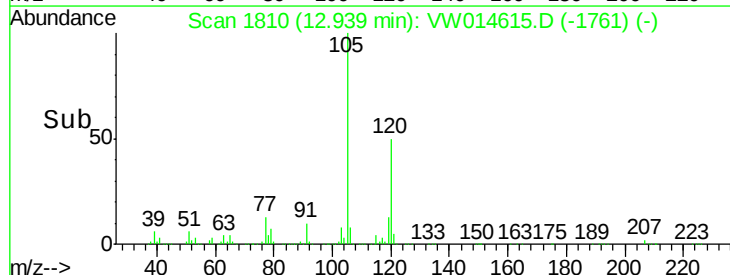
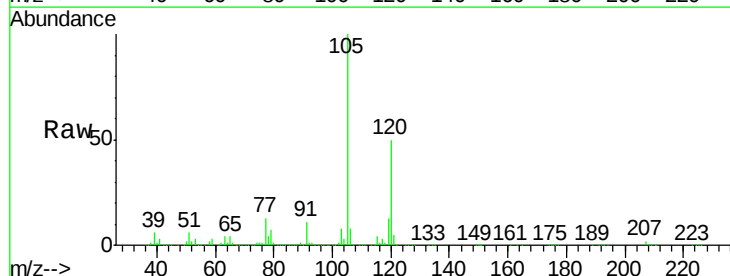
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

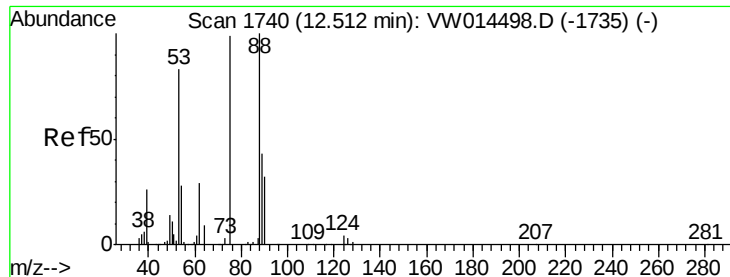
Tgt Ion: 91 Resp: 480257
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.841 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion: 105 Resp: 611314
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.823 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

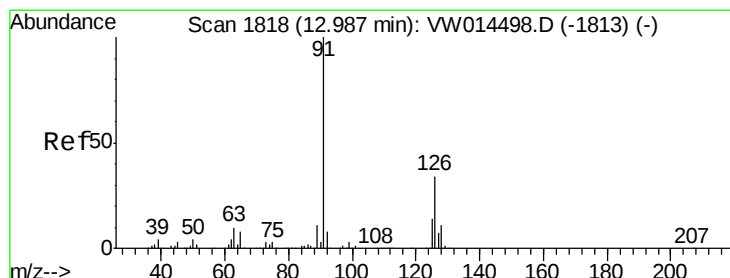
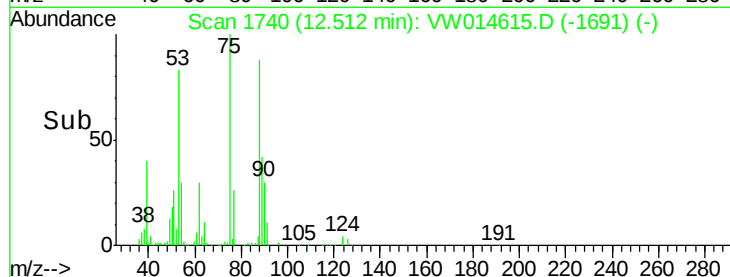
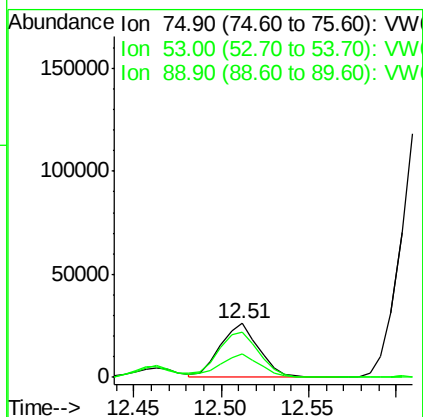
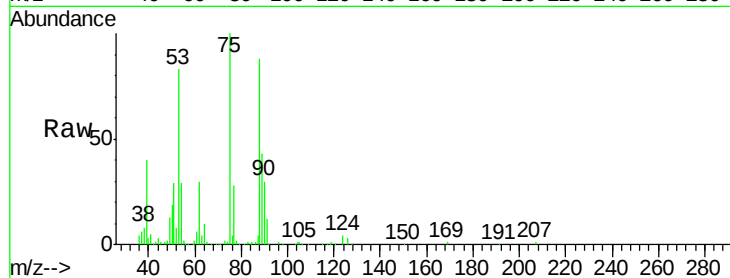
Tgt Ion: 75 Resp: 40145

Ion Ratio Lower Upper

75 100

53 88.2 70.9 106.3

89 44.1 35.8 53.8



#82

4-Chlorotoluene

Concen: 21.569 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW014615.D

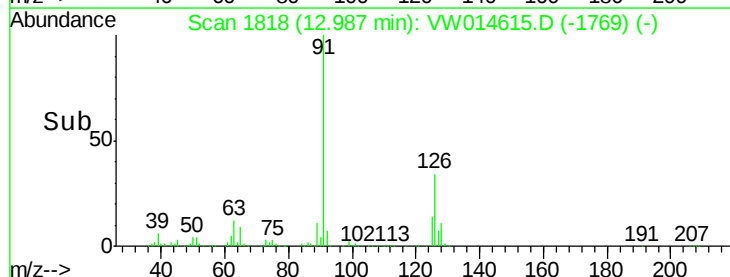
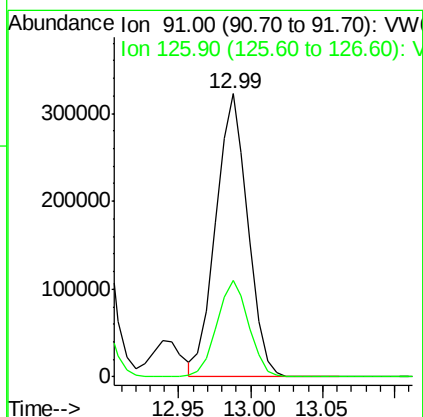
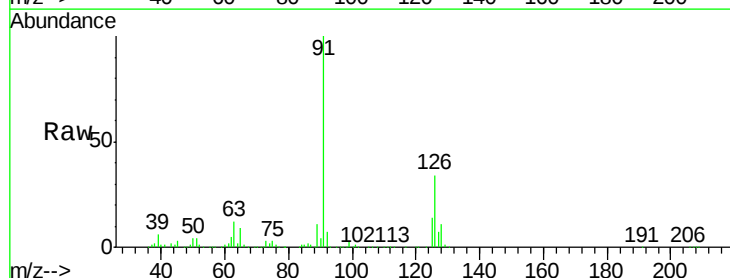
Acq: 13 Jan 2020 11:12

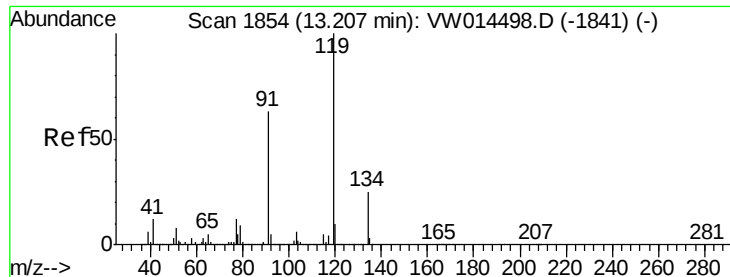
Tgt Ion: 91 Resp: 499887

Ion Ratio Lower Upper

91 100

126 34.3 17.1 51.2

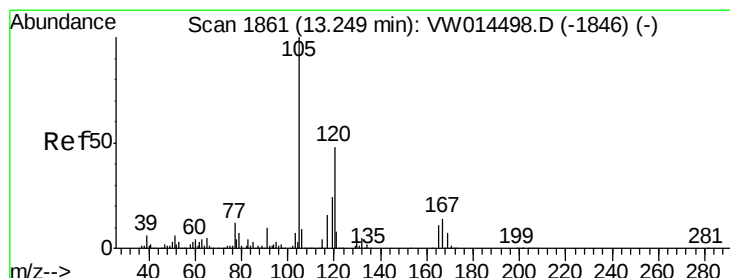
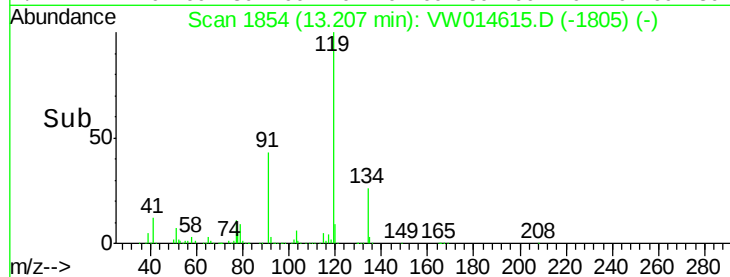
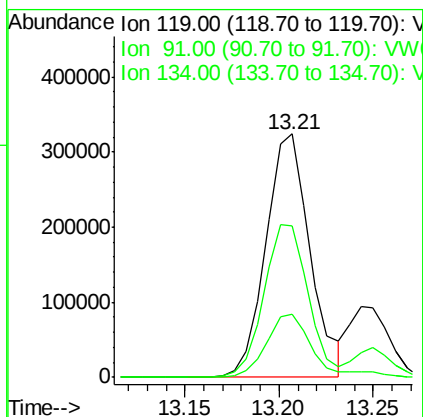
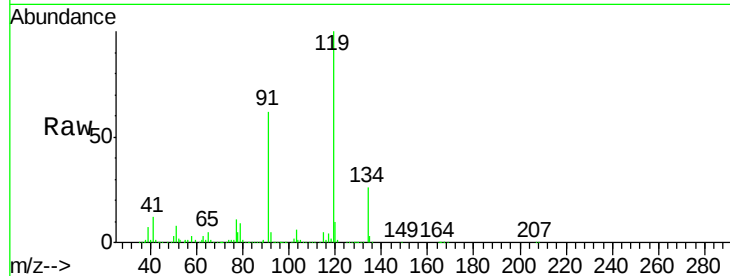




#83
tert-Butylbenzene
Concen: 21.583 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

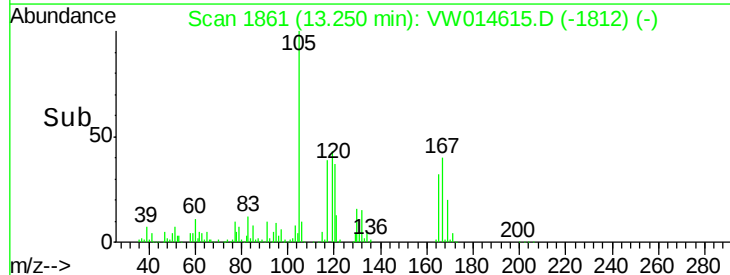
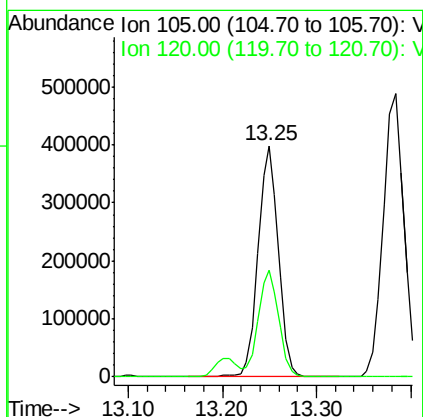
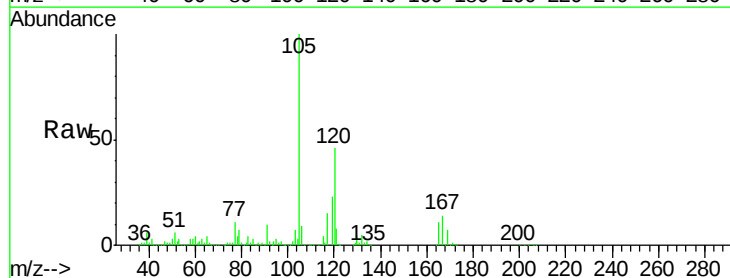
Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

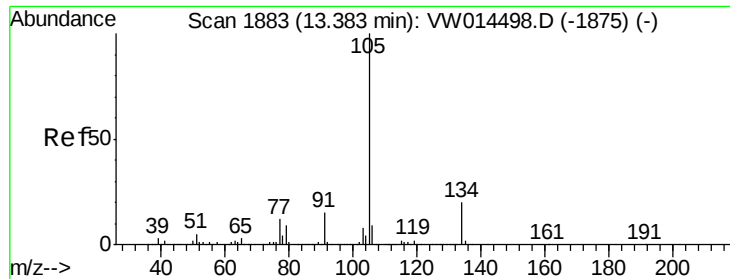
Tgt Ion:119 Resp: 528920
Ion Ratio Lower Upper
119 100
91 62.6 31.1 93.3
134 27.1 13.5 40.5



#84
1,2,4-Trimethylbenzene
Concen: 21.808 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion:105 Resp: 607438
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.0





#85

sec-Butylbenzene

Concen: 21.992 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampled :

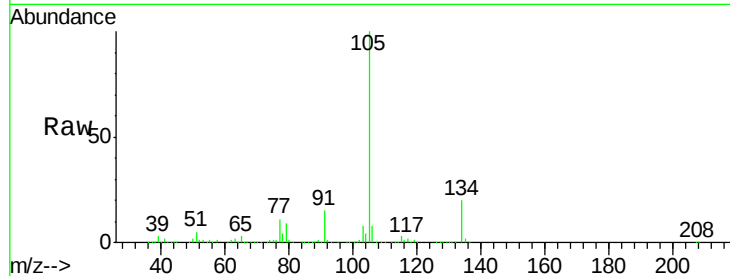
VW0113SBS01

Tgt Ion:105 Resp: 745992

Ion Ratio Lower Upper

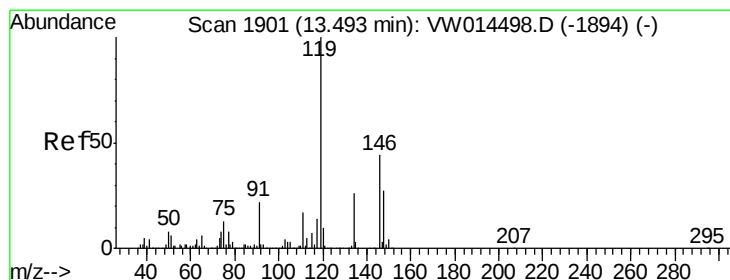
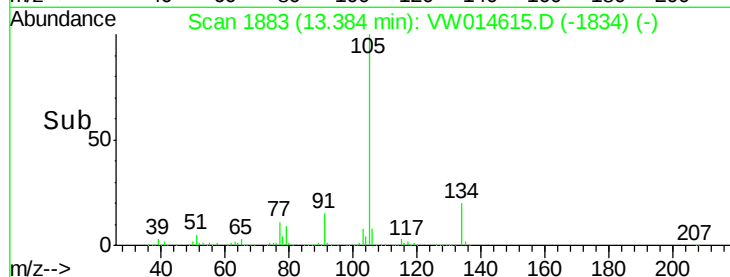
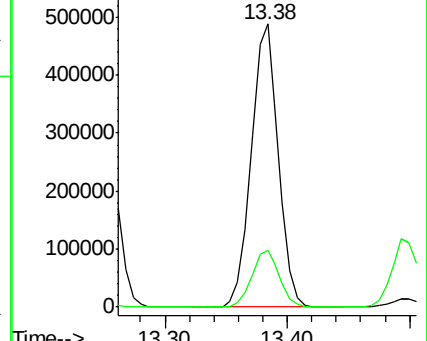
105 100

134 20.4 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.080 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

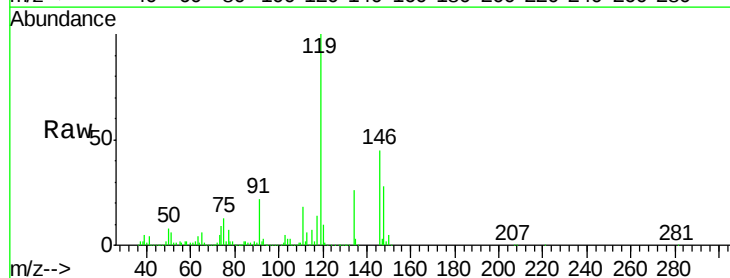
Tgt Ion:119 Resp: 682670

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

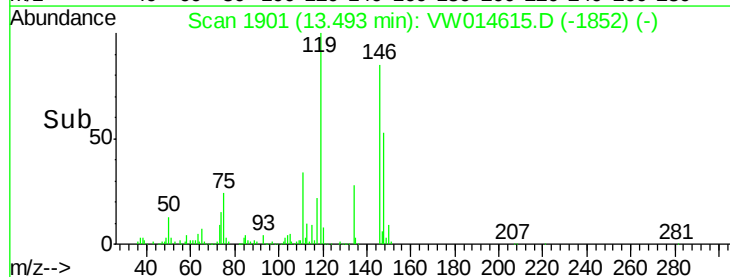
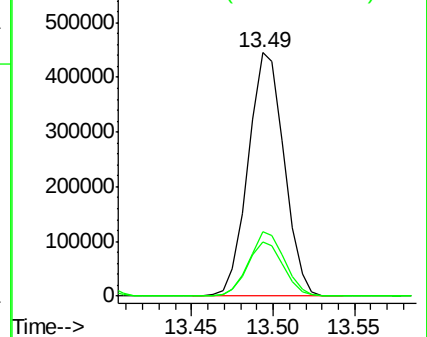
91 22.2 11.1 33.3

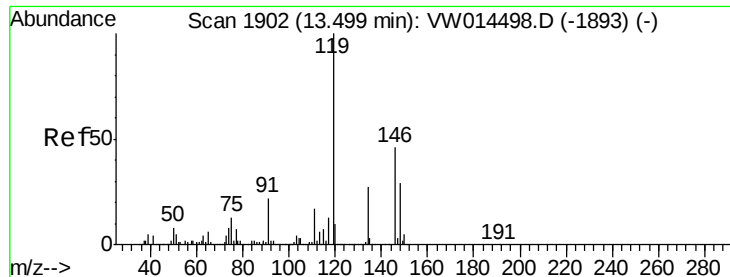


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

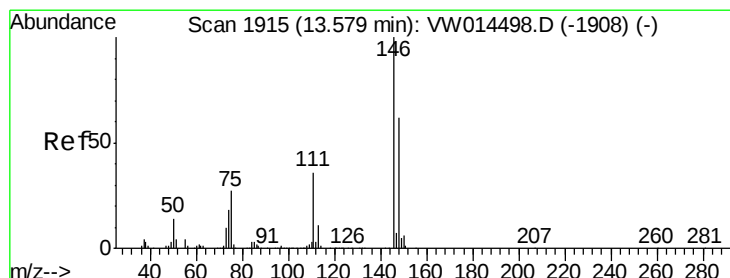
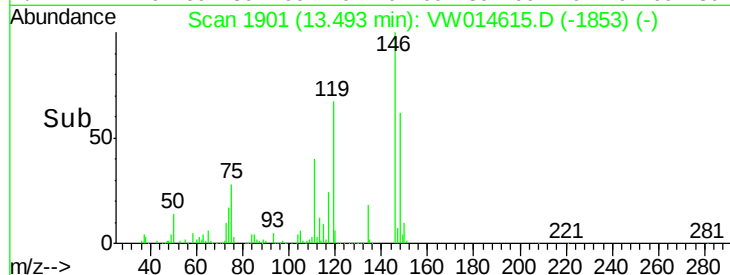
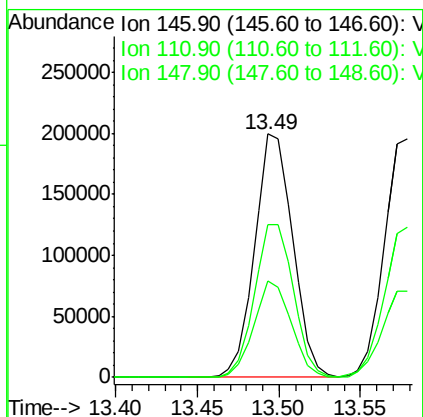
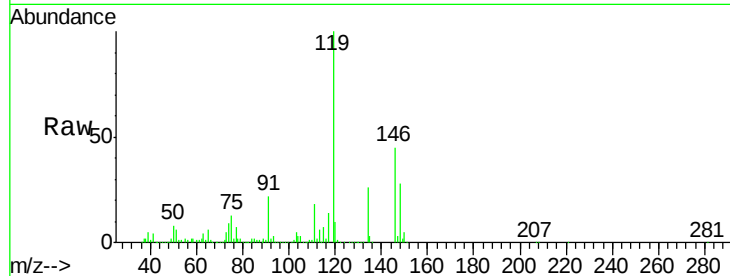




#87
 1,3-Dichlorobenzene
 Concen: 21.571 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

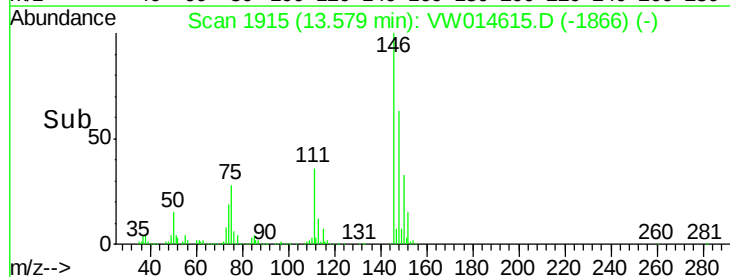
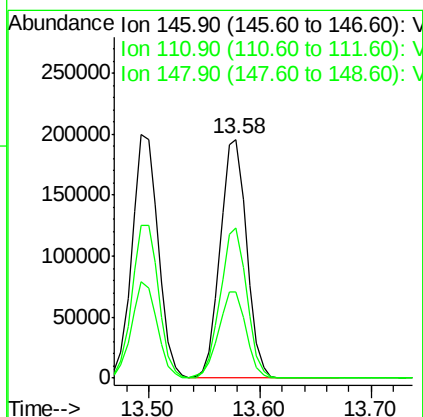
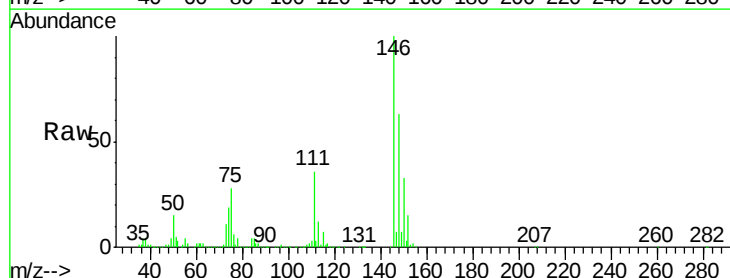
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

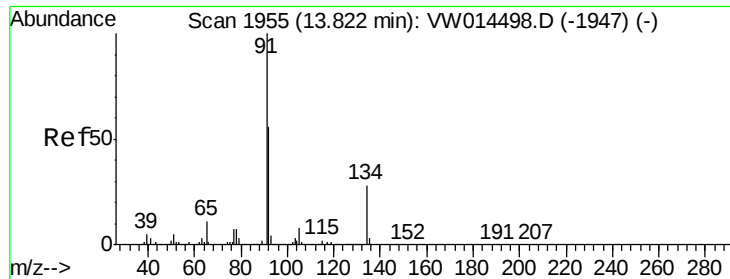
Tgt Ion:146 Resp: 324772
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.3 57.9
 148 64.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.658 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion:146 Resp: 321923
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.7 56.1
 148 62.7 31.7 95.1





#89

n-Butylbenzene

Concen: 22.016 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014615.D

Acq: 13 Jan 2020 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

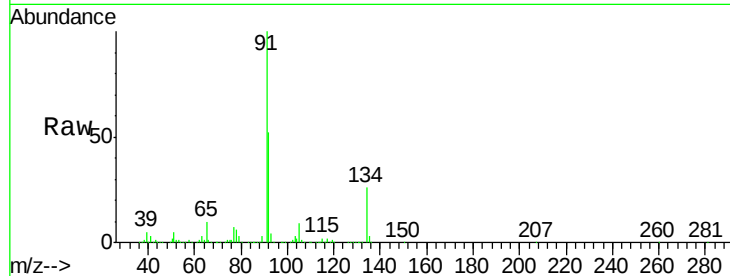
Tgt Ion: 91 Resp: 632116

Ion Ratio Lower Upper

91 100

92 54.3 27.5 82.5

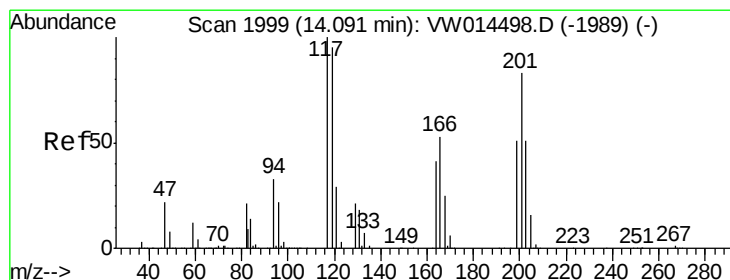
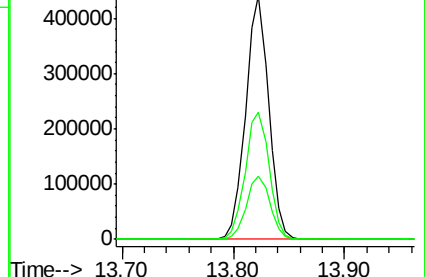
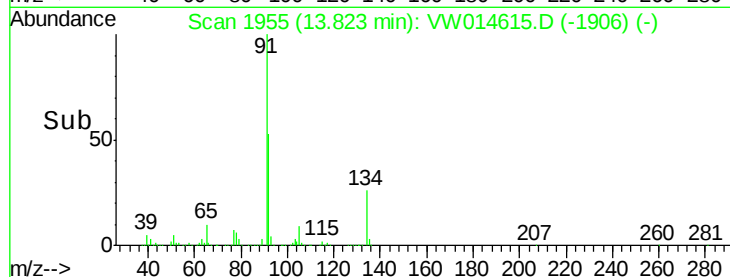
134 27.0 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.231 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014615.D

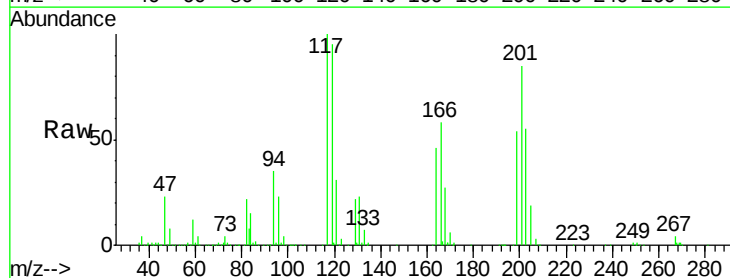
Acq: 13 Jan 2020 11:12

Tgt Ion: 117 Resp: 114674

Ion Ratio Lower Upper

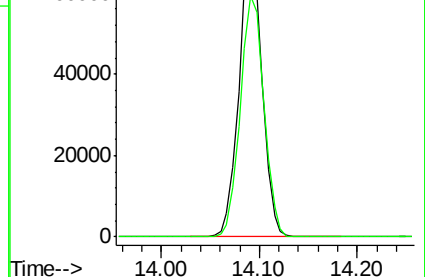
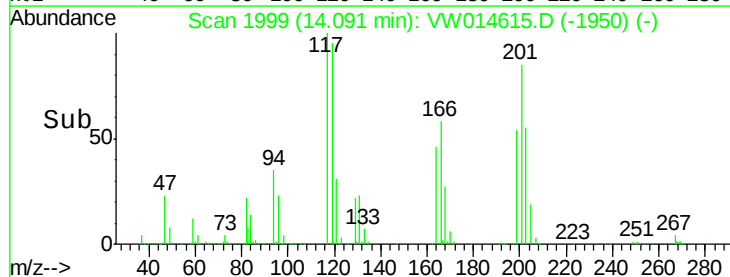
117 100

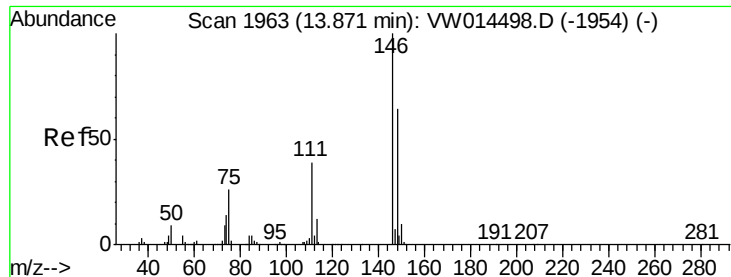
201 86.5 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

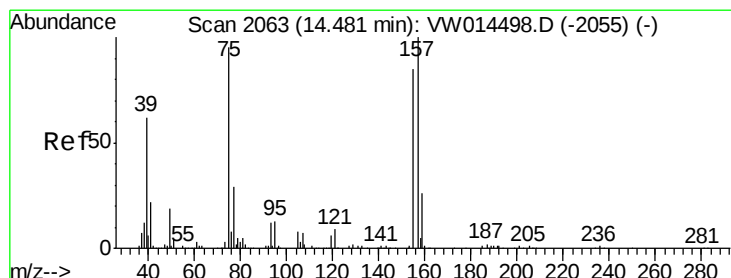
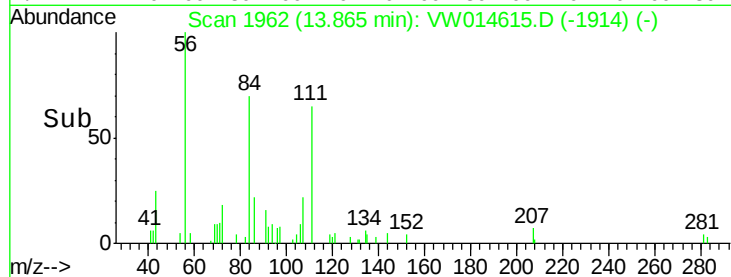
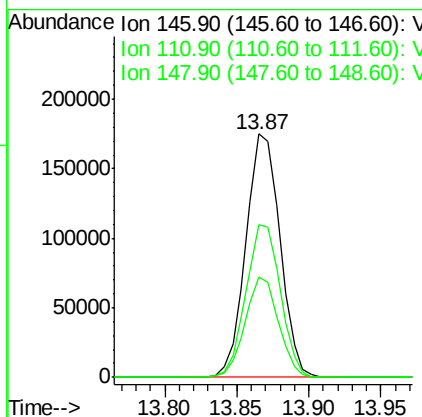
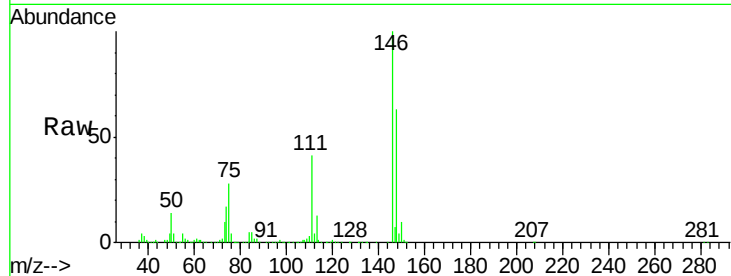




#91
 1,2-Dichlorobenzene
 Concen: 21.673 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

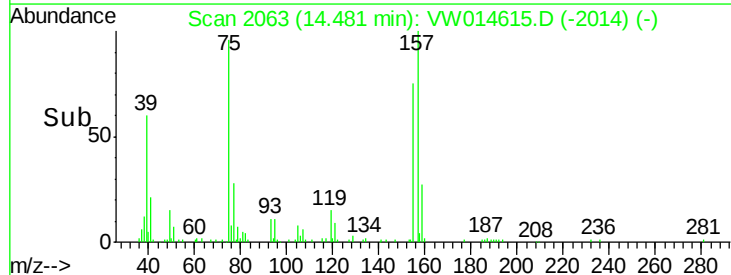
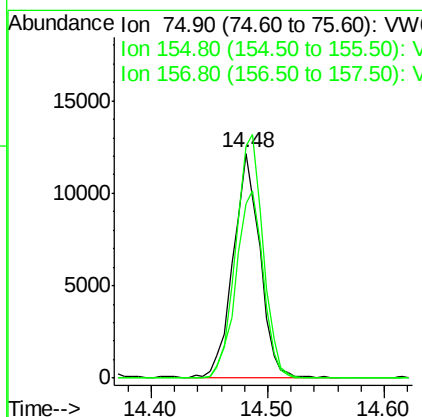
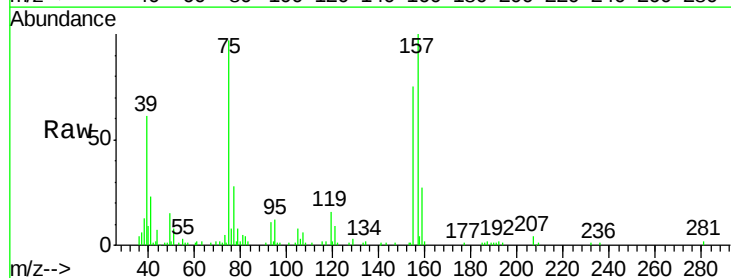
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

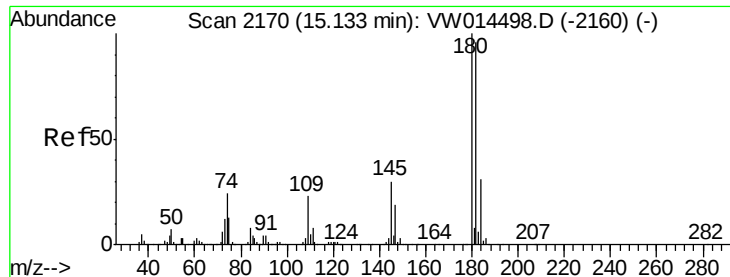
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	63.3	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.566 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	45.8	137.4
157	109.4	58.1	174.2

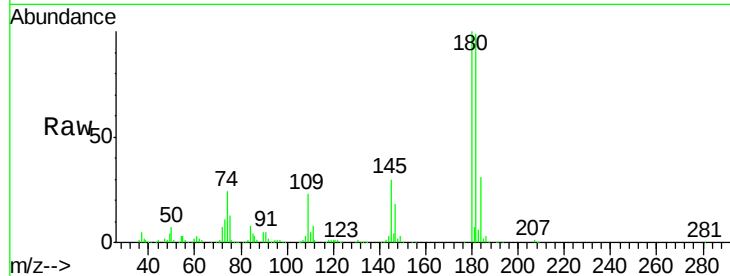




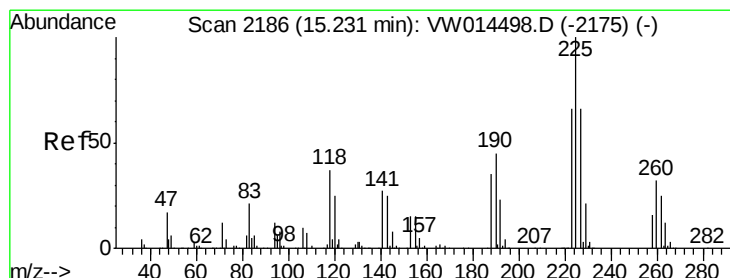
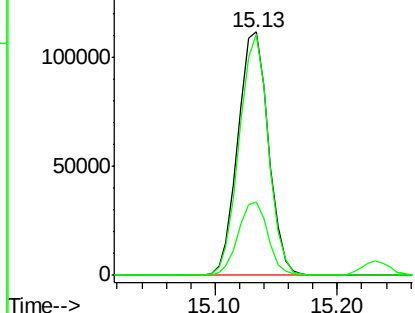
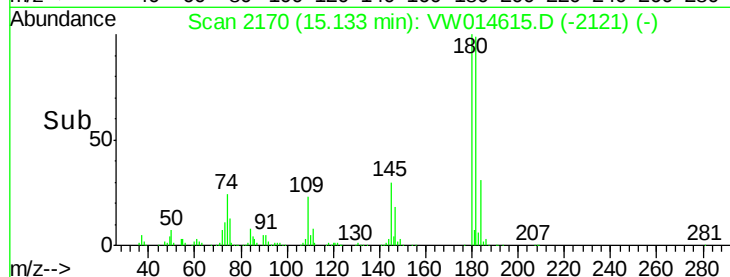
#93
 1,2,4-Trichlorobenzene
 Concen: 21.597 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	29.5	14.7	44.1

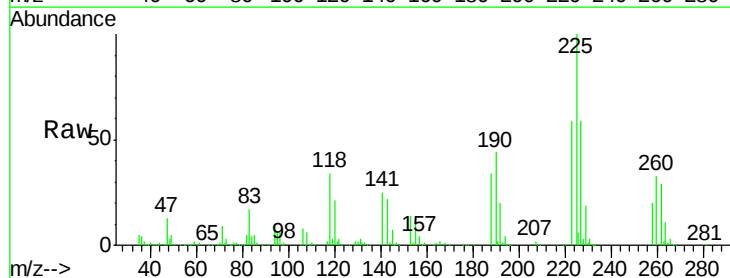


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

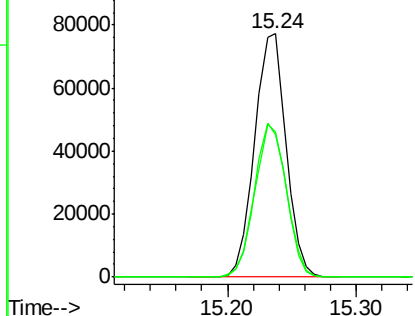
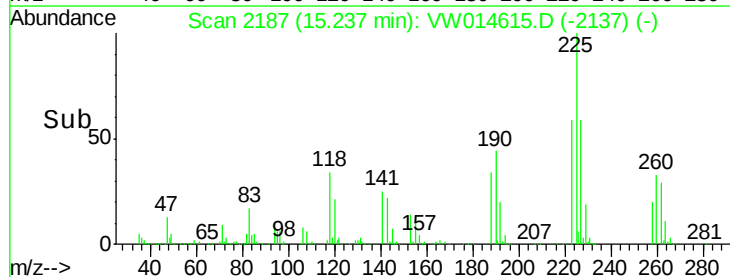


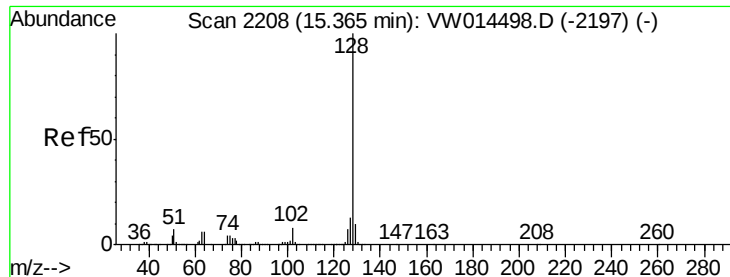
#94
 Hexachlorobutadiene
 Concen: 21.698 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014615.D
 Acq: 13 Jan 2020 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.4	97.2
227	64.1	32.6	97.8



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

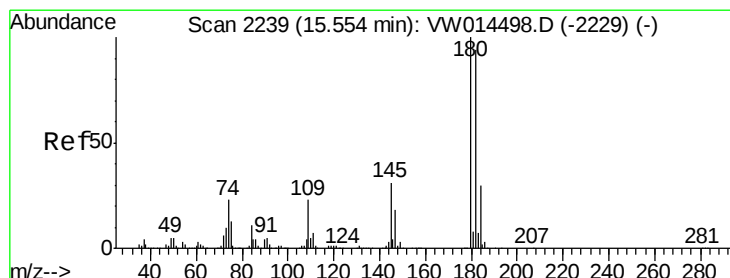
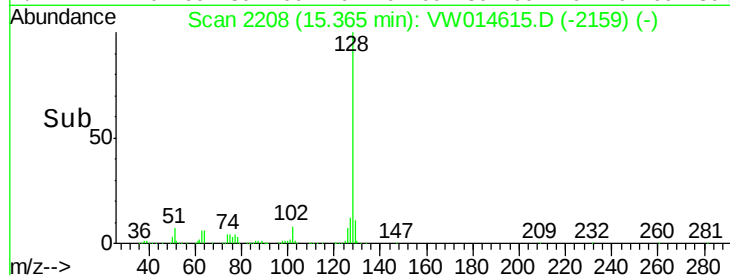
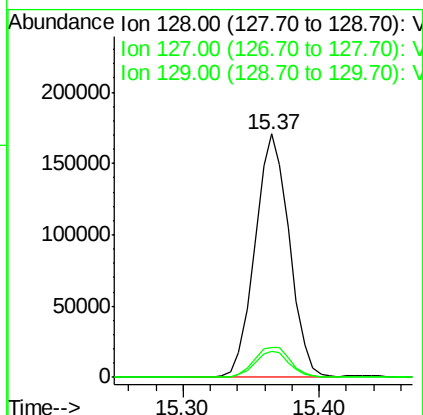
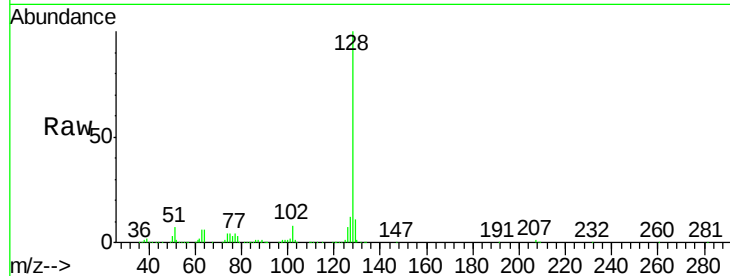




#95
Naphthalene
Concen: 19.796 ug/l
RT: 15.37 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBS01

Tgt Ion:128 Resp: 301699
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.019 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014615.D
Acq: 13 Jan 2020 11:12

Tgt Ion:180 Resp: 163723
Ion Ratio Lower Upper
180 100
182 95.7 47.4 142.2
145 30.2 15.5 46.5

