

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
 Data File : VW015100.D
 Acq On : 09 Mar 2020 16:31
 Operator : SY/VA
 Sample : VW0309SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Quant Time: Mar 10 17:43:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	447746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	833358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	741696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	325169	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	349887	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	260249	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	10.32	98	1130482	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
62) 4-Bromofluorobenzene	12.62	95	372344	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	59553	21.93	ug/l	100
3) Chloromethane	2.21	50	117572	20.18	ug/l	99
4) Vinyl Chloride	2.37	62	154995	20.32	ug/l	96
5) Bromomethane	2.78	94	99235	22.76	ug/l	97
6) Chloroethane	2.92	64	92506	20.94	ug/l	98
7) Trichlorofluoromethane	3.26	101	82875	21.71	ug/l	95
8) Diethyl Ether	3.68	74	60669	20.86	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	120840	20.77	ug/l	98
10) Methyl Iodide	4.27	142	136641	21.11	ug/l	99
11) Tert butyl alcohol	5.18	59	40462	106.94	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	119349	20.98	ug/l	98
13) Acrolein	3.89	56	59672	107.84	ug/l	97
14) Allyl chloride	4.67	41	241239	21.16	ug/l	100
15) Acrylonitrile	5.37	53	150046	100.65	ug/l	99
16) Acetone	4.13	43	136256	90.75	ug/l	99
17) Carbon Disulfide	4.38	76	415121	20.58	ug/l	99
18) Methyl Acetate	4.67	43	71994	20.23	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	161076	22.12	ug/l	91
20) Methylene Chloride	4.91	84	145072	21.44	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	129121	21.38	ug/l	97
22) Diisopropyl ether	6.31	45	487815	22.30	ug/l	98
23) Vinyl Acetate	6.25	43	1363557	105.59	ug/l	99
24) 1,1-Dichloroethane	6.21	63	270920	21.24	ug/l	98
25) 2-Butanone	7.16	43	207653	100.88	ug/l	97
26) 2,2-Dichloropropane	7.16	77	163947	22.47	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	134486	21.39	ug/l	97
28) Bromochloromethane	7.51	49	121321	19.85	ug/l	100
29) Tetrahydrofuran	7.53	42	128704	99.97	ug/l	100
30) Chloroform	7.67	83	240032	21.20	ug/l	96
31) Cyclohexane	7.95	56	276161	21.05	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	186355	21.08	ug/l	99
36) 1,1-Dichloropropene	8.08	75	206980	21.42	ug/l	99
37) Ethyl Acetate	7.25	43	98229	20.39	ug/l	99
38) Carbon Tetrachloride	8.07	117	165339	21.02	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	226416	20.49	ug/l	99
40) Benzene	8.32	78	571126	21.27	ug/l	100
41) Methacrylonitrile	7.48	41	52255	20.51	ug/l	96
42) 1,2-Dichloroethane	8.40	62	171793	21.00	ug/l	100
43) Isopropyl Acetate	8.42	43	176021	20.38	ug/l	99
44) Trichloroethene	9.09	130	116367	20.35	ug/l	97
45) 1,2-Dichloropropane	9.37	63	151822	20.99	ug/l	99
46) Dibromomethane	9.46	93	64030	20.36	ug/l	99
47) Bromodichloromethane	9.64	83	172758	20.57	ug/l	100
48) Methyl methacrylate	9.43	41	77211	19.09	ug/l	100
49) 1,4-Dioxane	9.46	88	15860	329.38	ug/l #	64
51) 4-Methyl-2-Pentanone	10.21	43	457517	95.92	ug/l	99
52) Toluene	10.38	92	327833	21.25	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	167269	20.25	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	204656	20.34	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	87198	20.23	ug/l	99
56) Ethyl methacrylate	10.65	69	110904	19.16	ug/l	97
57) 1,3-Dichloropropane	10.93	76	171893	20.95	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	326409	100.05	ug/l	100
59) 2-Hexanone	10.96	43	288883	91.01	ug/l	99
60) Dibromochloromethane	11.13	129	88273	19.83	ug/l	98
61) 1,2-Dibromoethane	11.23	107	78037	20.43	ug/l	98
64) Tetrachloroethene	10.86	164	88802	20.75	ug/l	99
65) Chlorobenzene	11.66	112	313377	21.05	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	101606	20.50	ug/l	100
67) Ethyl Benzene	11.73	91	619548	21.39	ug/l	100
68) m/p-Xylenes	11.83	106	438252	42.79	ug/l	100
69) o-Xylene	12.16	106	190453	20.64	ug/l	98
70) Styrene	12.18	104	333073	21.07	ug/l	99
71) Bromoform	12.35	173	42843	19.47	ug/l #	98
73) Isopropylbenzene	12.46	105	541971	21.82	ug/l	99
74) N-amyl acetate	12.27	43	148254	19.75	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	104797	20.78	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	137600	37.44	ug/l #	100
77) Bromobenzene	12.74	156	105891	21.57	ug/l	100
78) n-propylbenzene	12.80	91	715268	22.16	ug/l	100
79) 2-Chlorotoluene	12.89	91	397834	21.92	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	466375	21.84	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	30948	19.02	ug/l	92
82) 4-Chlorotoluene	12.99	91	422451	21.86	ug/l	100
83) tert-Butylbenzene	13.21	119	372170	21.51	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	469194	21.97	ug/l	99
85) sec-Butylbenzene	13.38	105	571866	21.84	ug/l	100
86) p-Isopropyltoluene	13.49	119	485370	21.56	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	222380	21.38	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	213110	20.81	ug/l	97
89) n-Butylbenzene	13.82	91	518174	21.35	ug/l	99
90) Hexachloroethane	14.09	117	92459	20.48	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	189681	20.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	16178	19.97	ug/l	94

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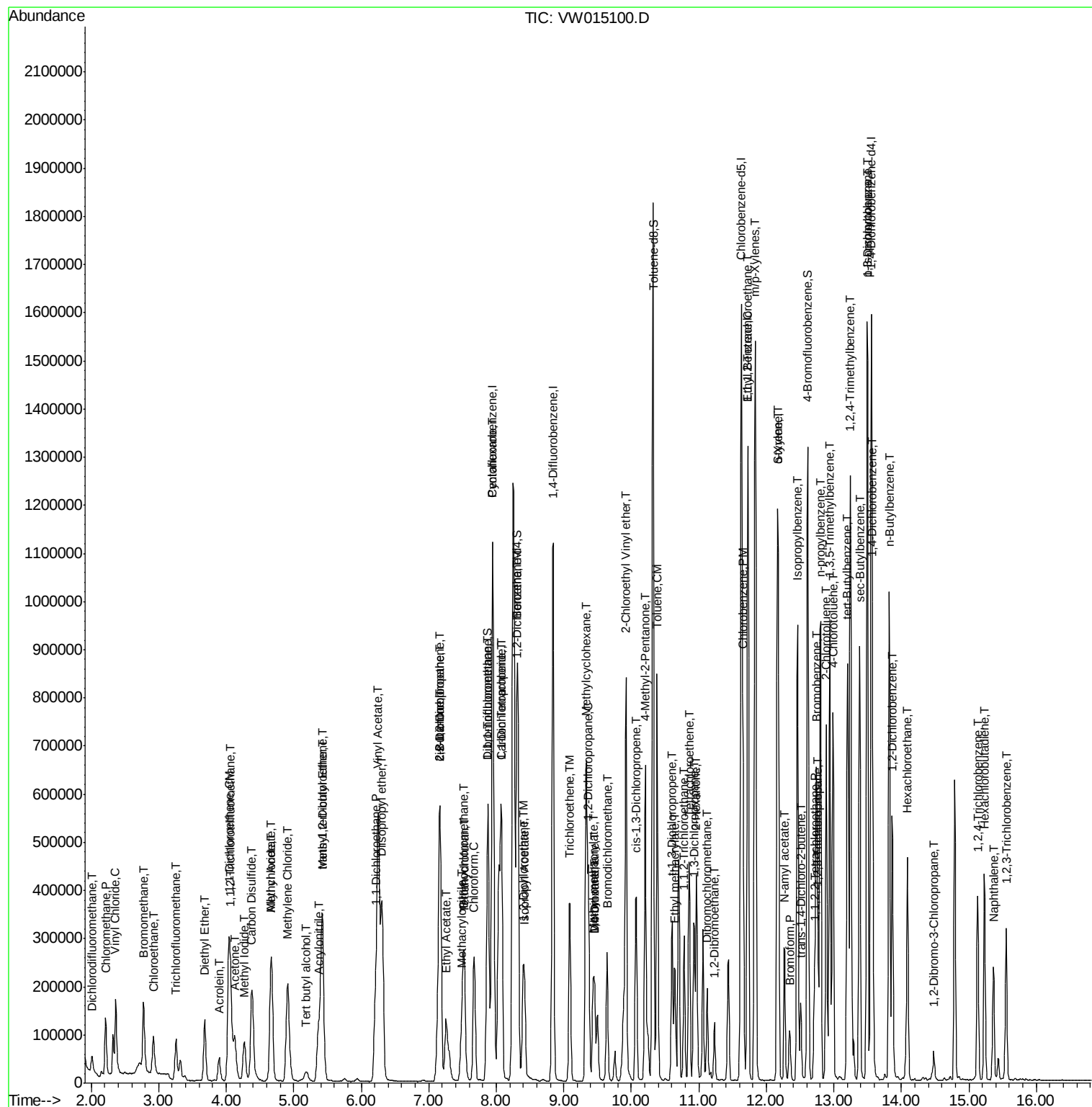
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	104772	20.10	ug/l	99
94) Hexachlorobutadiene	15.24	225	66216	20.23	ug/l	97
95) Naphthalene	15.36	128	183682	18.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	91351	19.76	ug/l	99

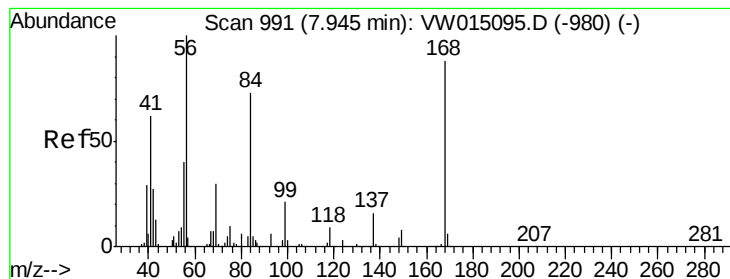
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

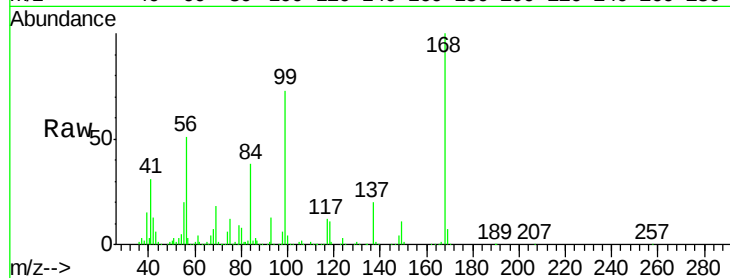
VW0309SBS01

Tgt Ion:168 Resp: 447746

Ion Ratio Lower Upper

168 100

99 73.1 57.2 85.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

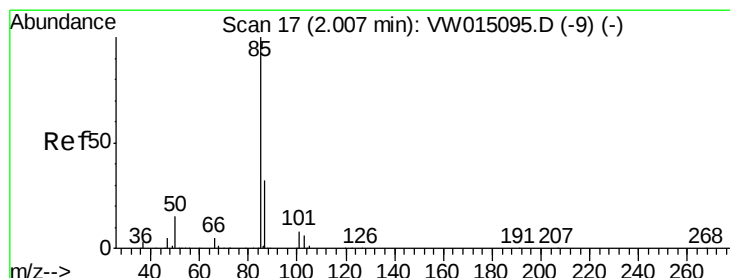
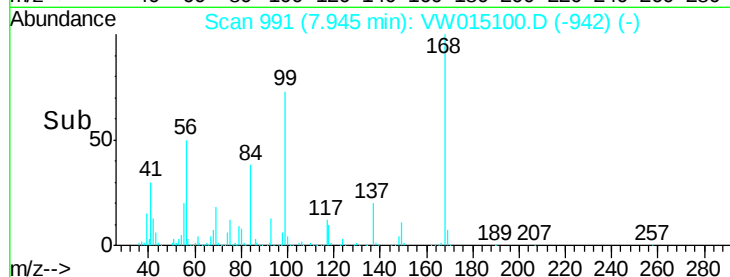
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.93 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015100.D

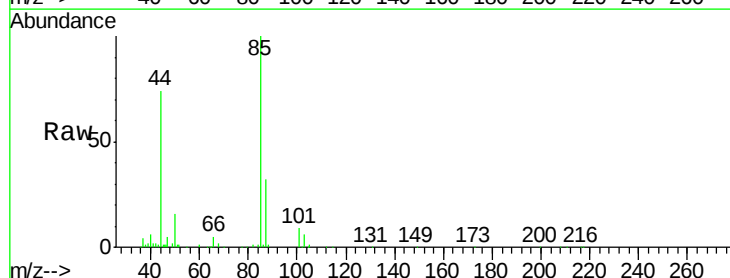
Acq: 09 Mar 2020 16:31

Tgt Ion: 85 Resp: 59553

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

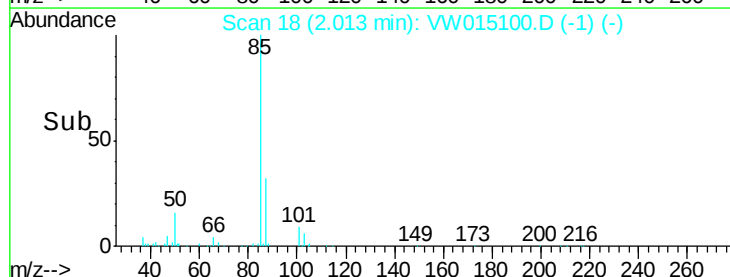
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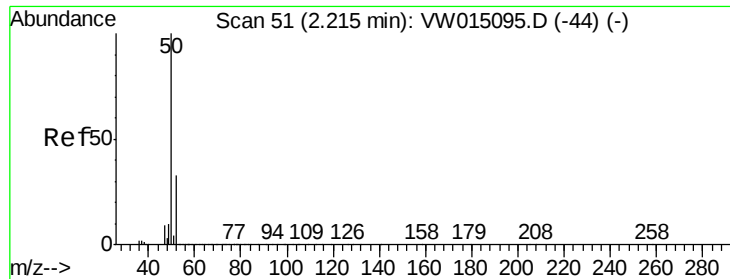
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.18 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

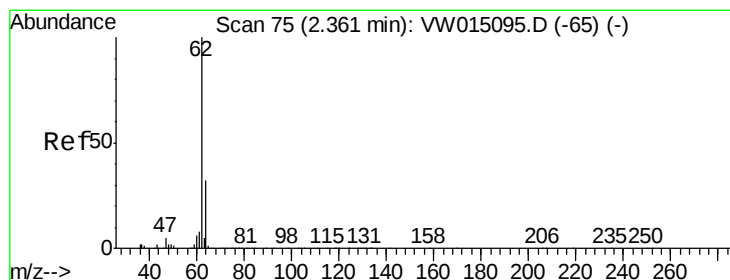
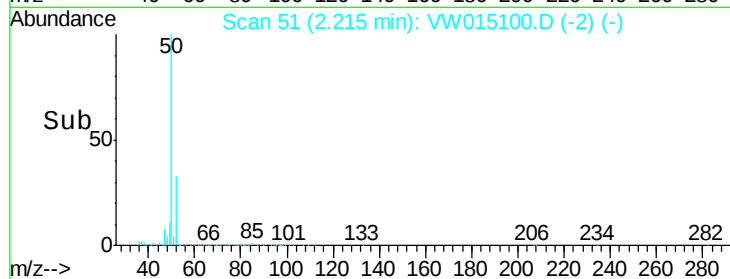
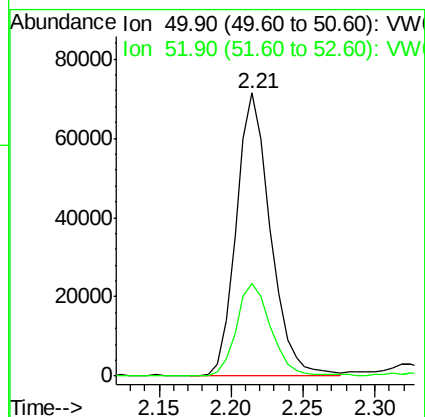
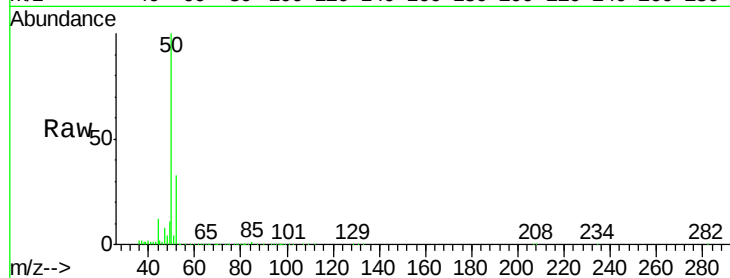
VW0309SBS01

Tgt Ion: 50 Resp: 117572

Ion Ratio Lower Upper

50 100

52 32.7 26.6 40.0



#4

Vinyl Chloride

Concen: 20.32 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015100.D

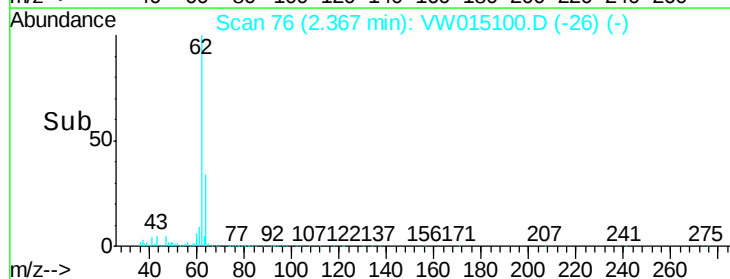
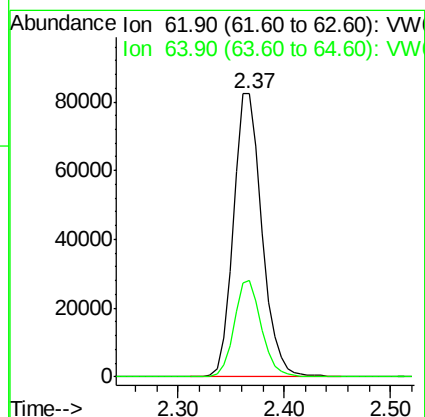
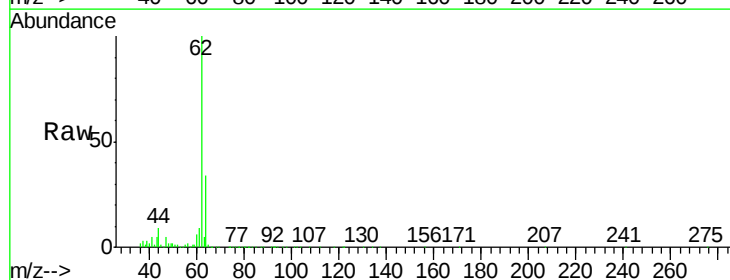
Acq: 09 Mar 2020 16:31

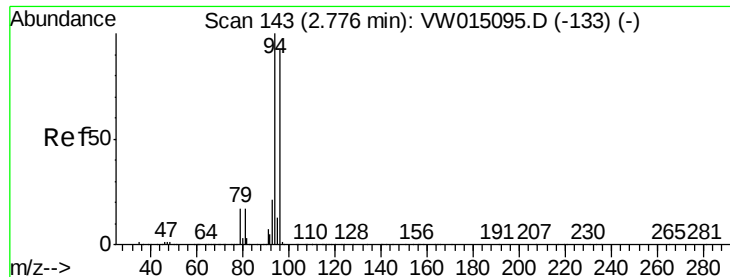
Tgt Ion: 62 Resp: 154995

Ion Ratio Lower Upper

62 100

64 33.9 25.3 37.9





#5

Bromomethane

Concen: 22.76 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

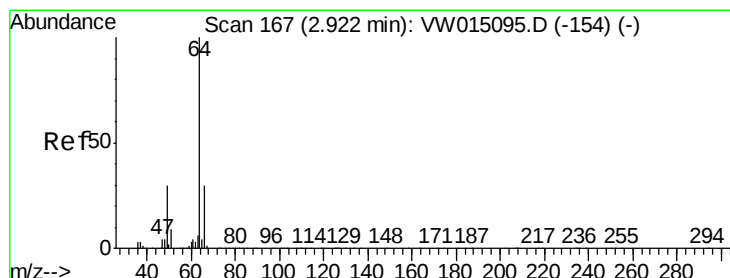
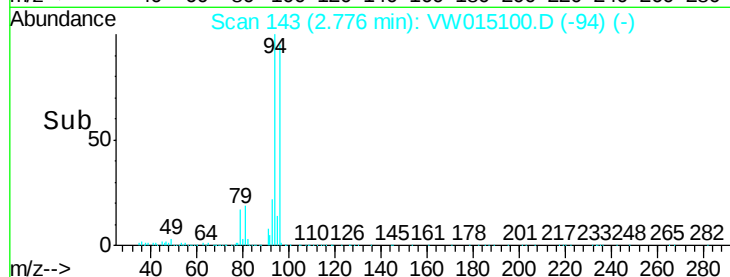
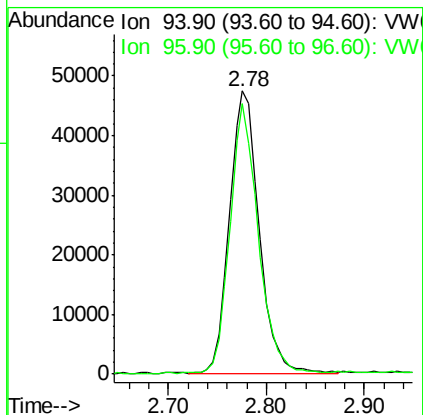
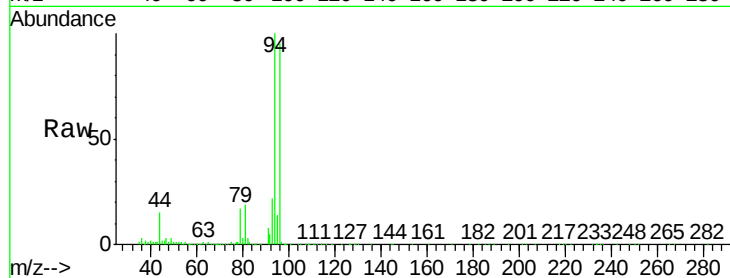
VW0309SBS01

Tgt Ion: 94 Resp: 99235

Ion Ratio Lower Upper

94 100

96 95.1 74.0 111.0



#6

Chloroethane

Concen: 20.94 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015100.D

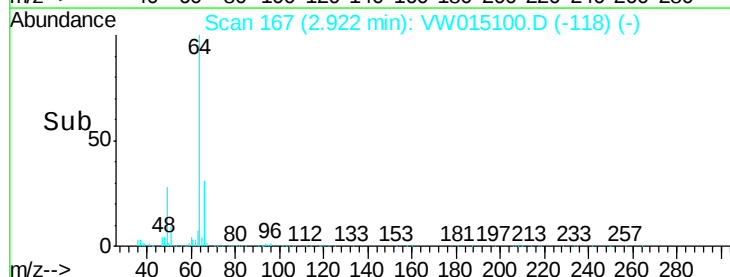
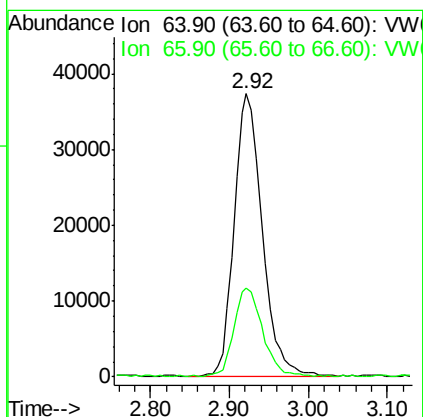
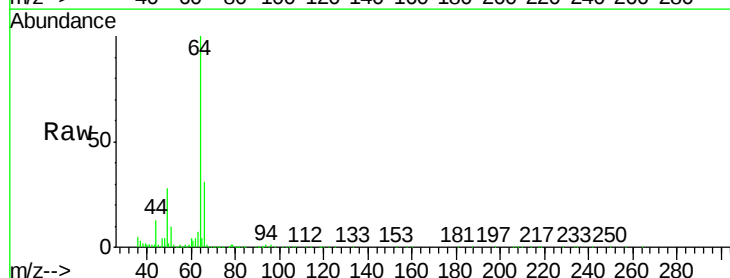
Acq: 09 Mar 2020 16:31

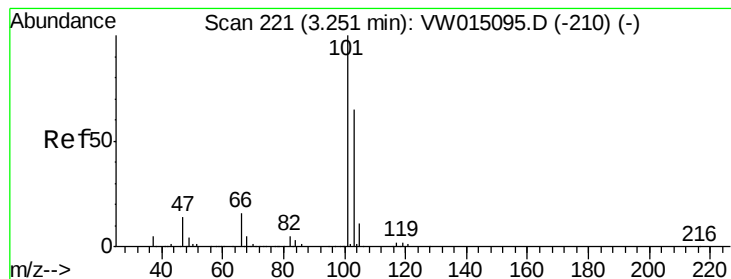
Tgt Ion: 64 Resp: 92506

Ion Ratio Lower Upper

64 100

66 31.2 24.2 36.2



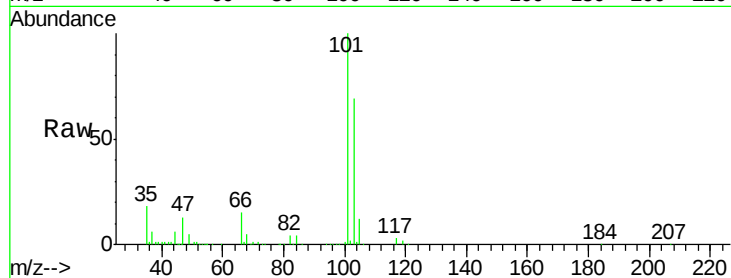


#7

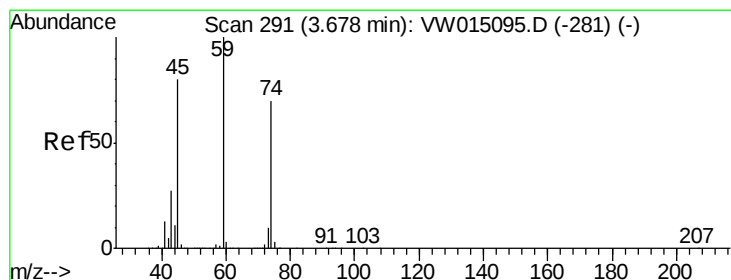
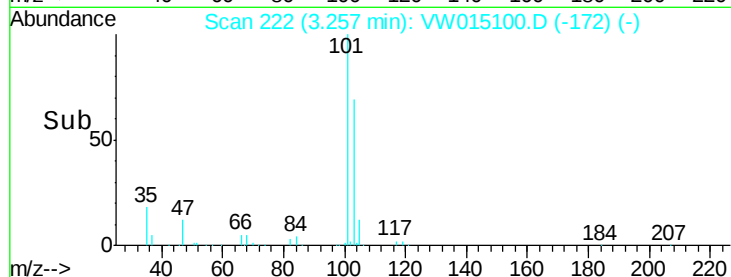
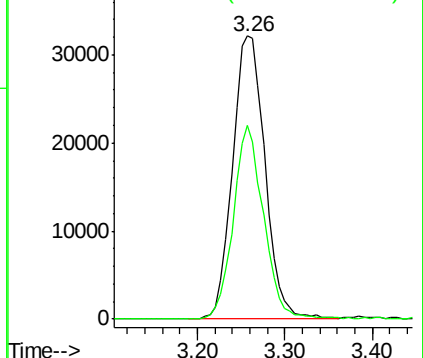
Trichlorofluoromethane
 Concen: 21.71 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
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Tgt Ion:101 Resp: 82875
 Ion Ratio Lower Upper
 101 100
 103 68.5 51.8 77.6



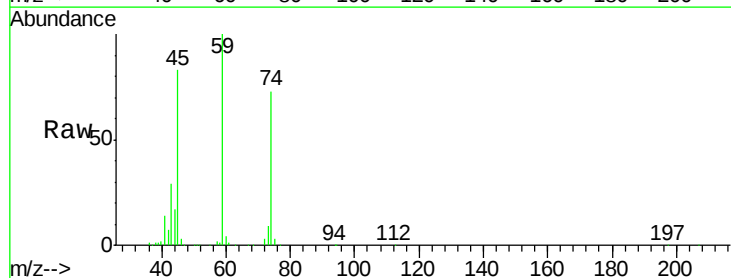
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



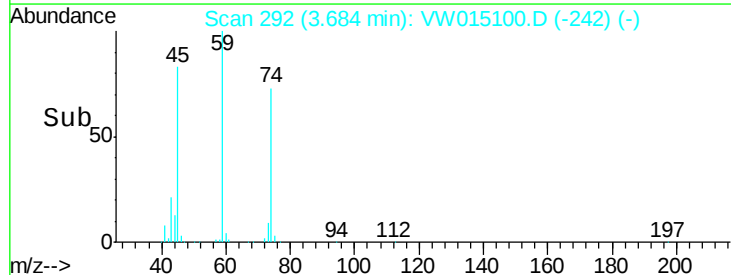
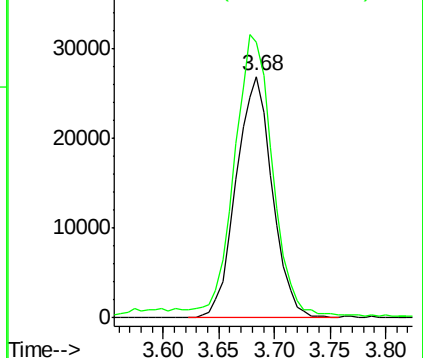
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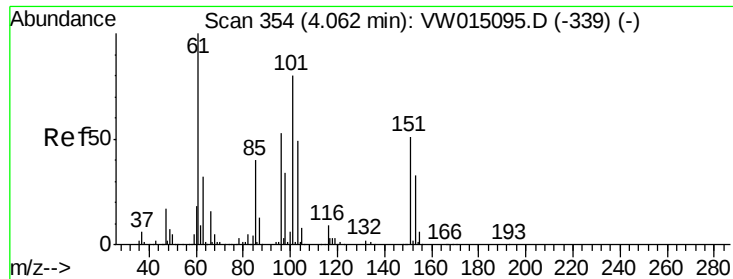
Diethyl Ether
 Concen: 20.86 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 74 Resp: 60669
 Ion Ratio Lower Upper
 74 100
 45 122.7 59.2 177.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.77 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW015100.D

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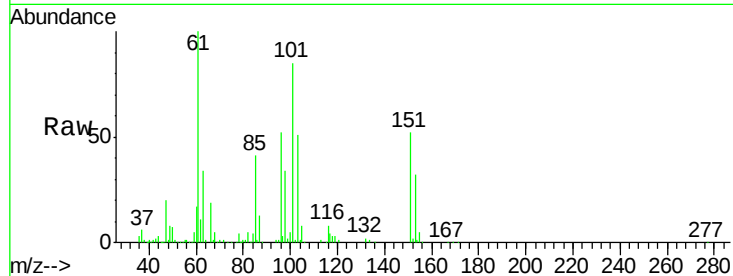
Tgt Ion:101 Resp: 120840

Ion Ratio Lower Upper

101 100

85 47.5 39.0 58.4

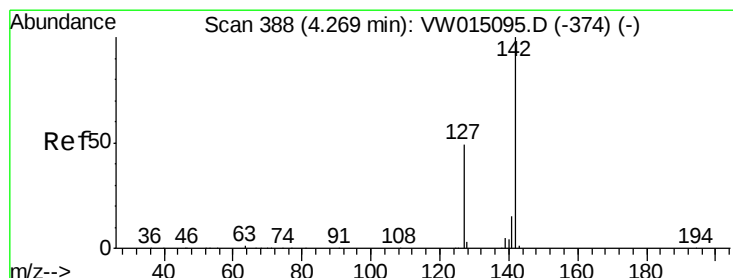
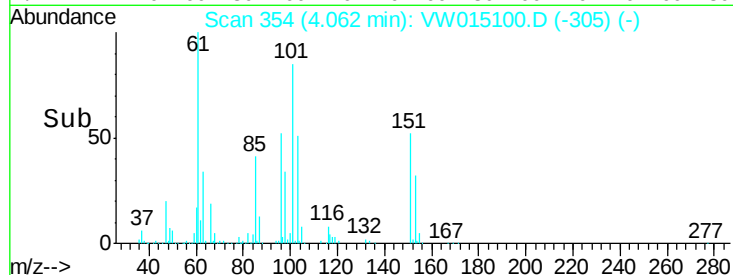
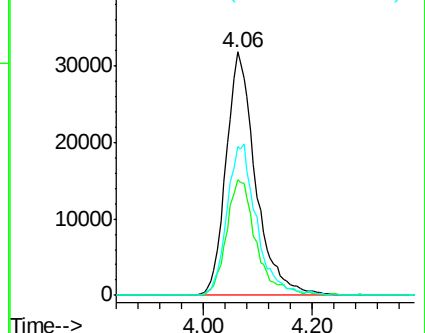
151 61.4 50.8 76.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.11 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

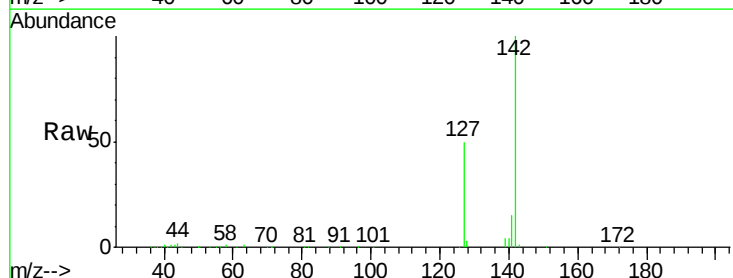
Tgt Ion:142 Resp: 136641

Ion Ratio Lower Upper

142 100

127 48.3 38.2 57.4

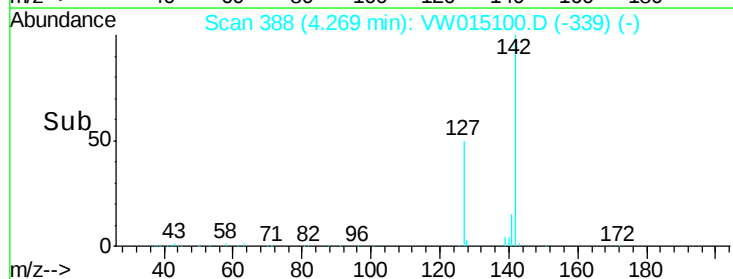
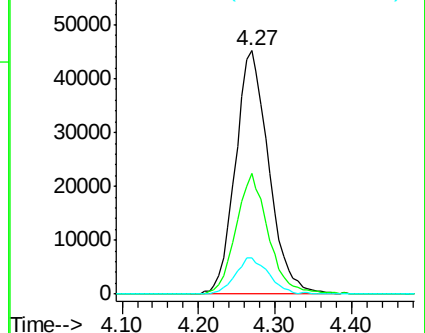
141 14.9 12.0 18.0

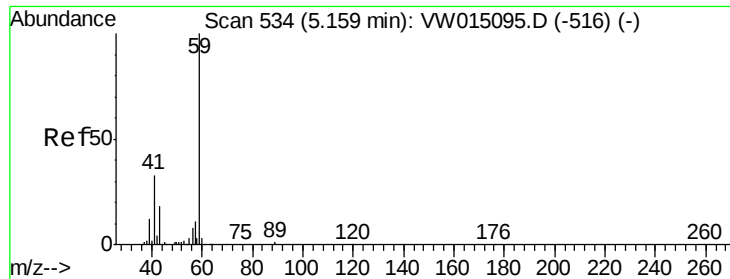


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

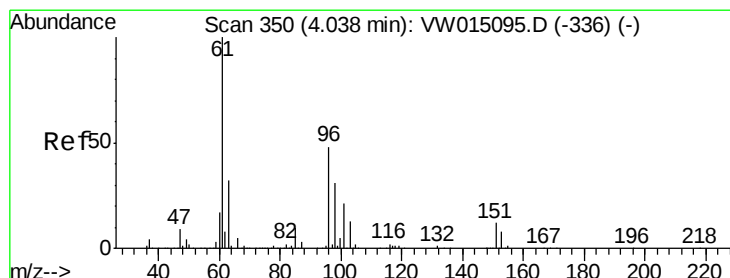
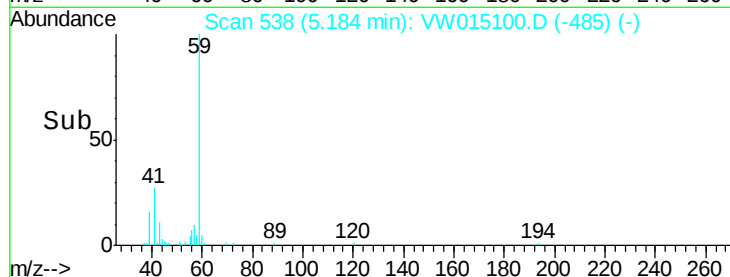
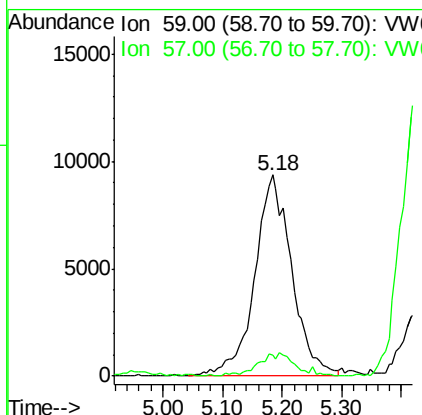
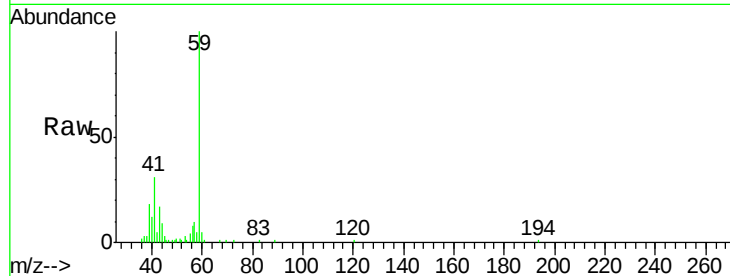




#11
Tert butyl alcohol
Concen: 106.94 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

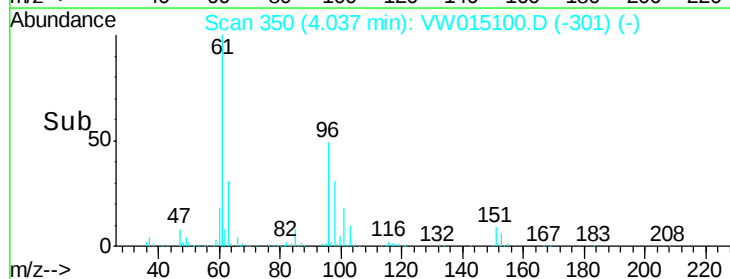
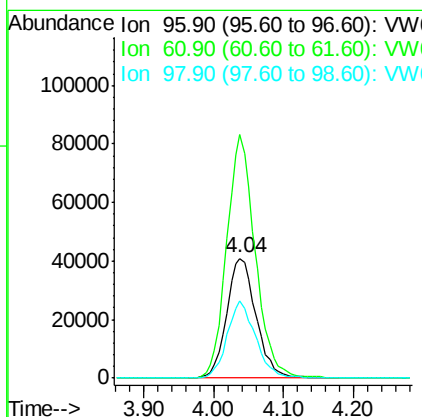
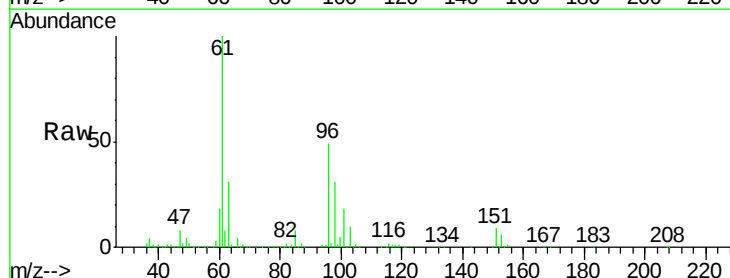
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

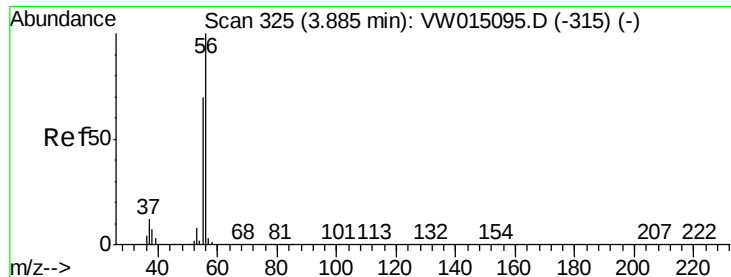
Tgt Ion: 59 Resp: 40462
Ion Ratio Lower Upper
59 100
57 5.9 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 20.98 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 96 Resp: 119349
Ion Ratio Lower Upper
96 100
61 202.8 165.5 248.3
98 63.9 51.1 76.7





#13

Acrolein

Concen: 107.84 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

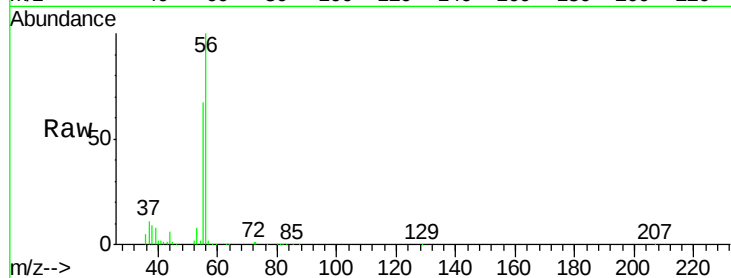
VW0309SBS01

Tgt Ion: 56 Resp: 59672

Ion Ratio Lower Upper

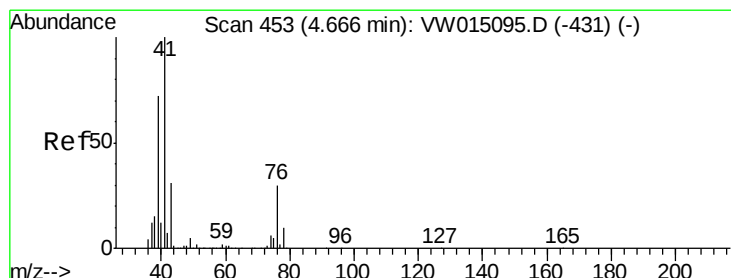
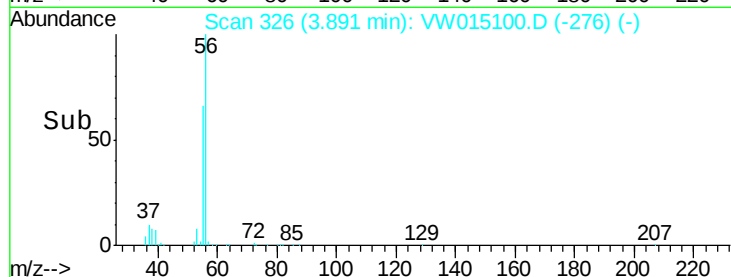
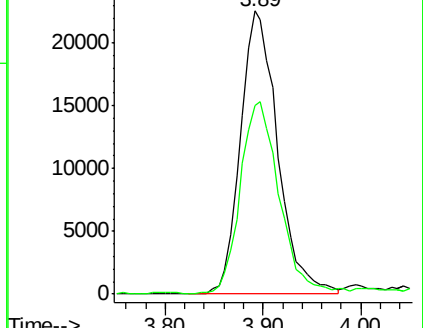
56 100

55 71.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 21.16 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

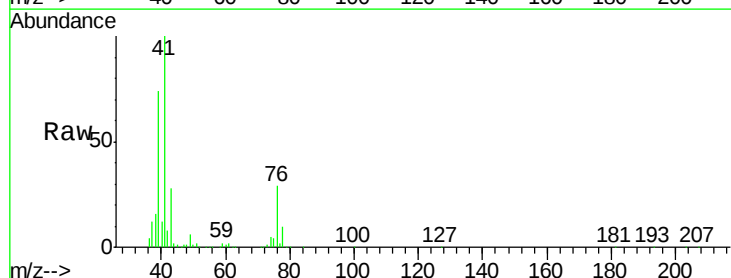
Tgt Ion: 41 Resp: 241239

Ion Ratio Lower Upper

41 100

39 71.5 56.9 85.3

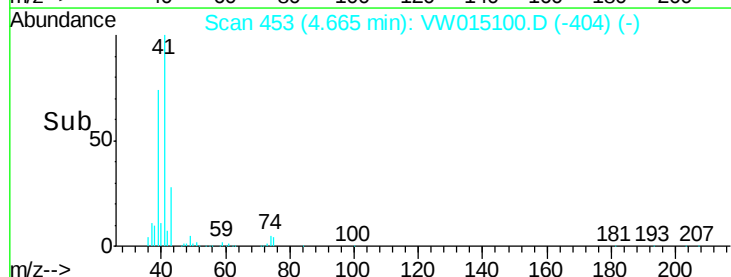
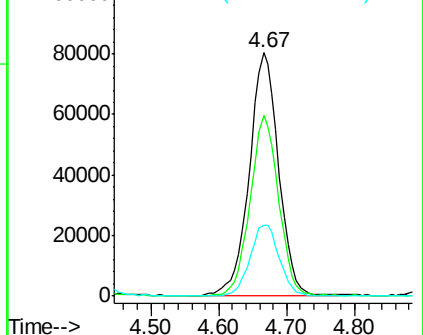
76 29.2 23.2 34.8

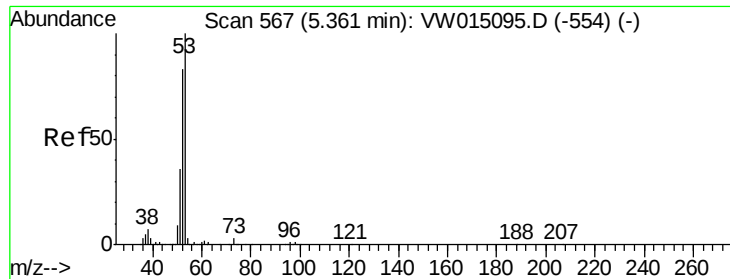


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 100.65 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

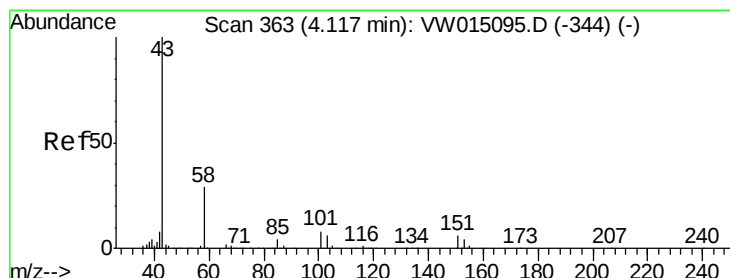
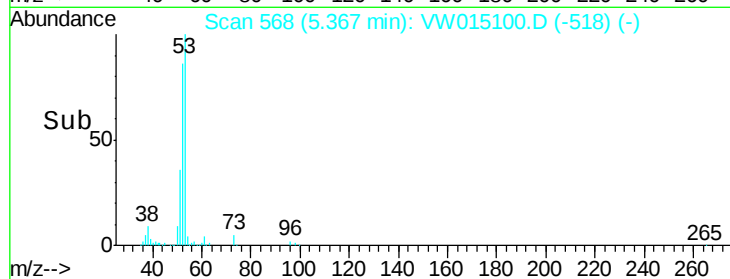
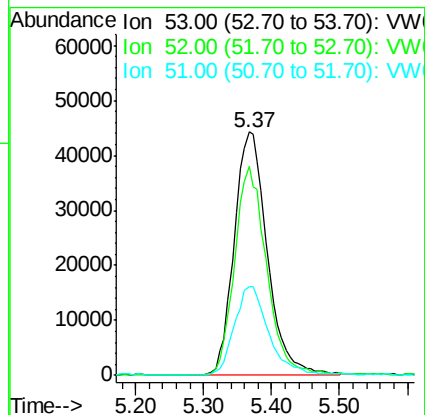
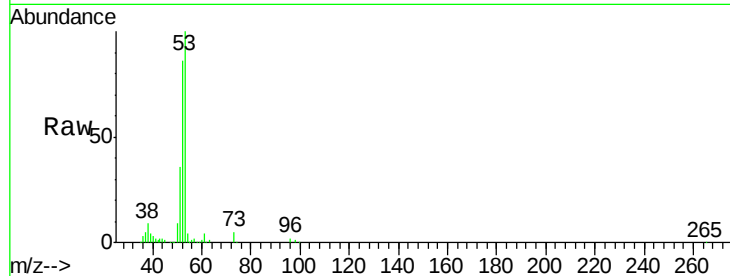
Tgt Ion: 53 Resp: 150046

Ion Ratio Lower Upper

53 100

52 82.8 67.2 100.8

51 37.9 29.8 44.6



#16

Acetone

Concen: 90.75 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015100.D

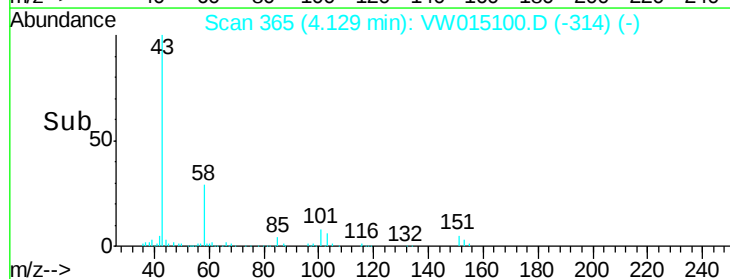
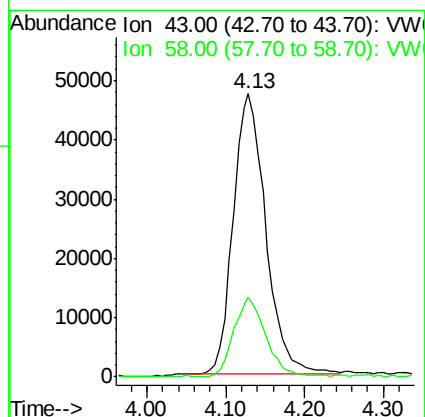
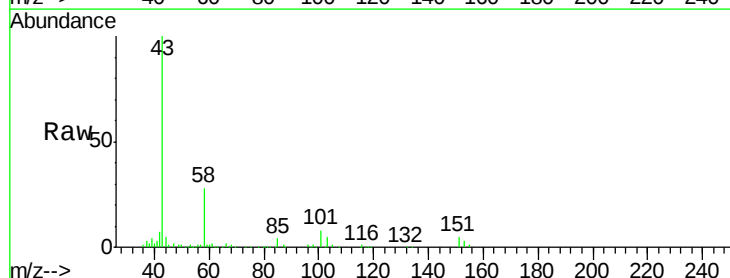
Acq: 09 Mar 2020 16:31

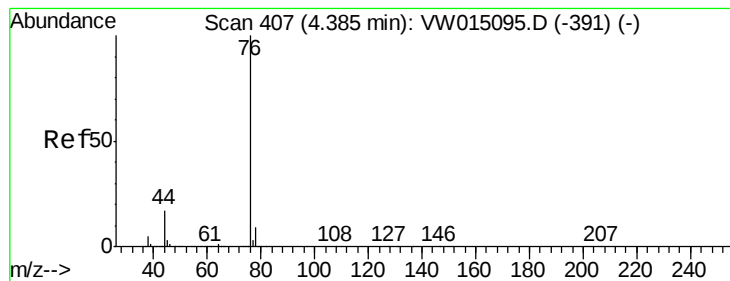
Tgt Ion: 43 Resp: 136256

Ion Ratio Lower Upper

43 100

58 28.3 22.9 34.3





#17

Carbon Disulfide

Concen: 20.58 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

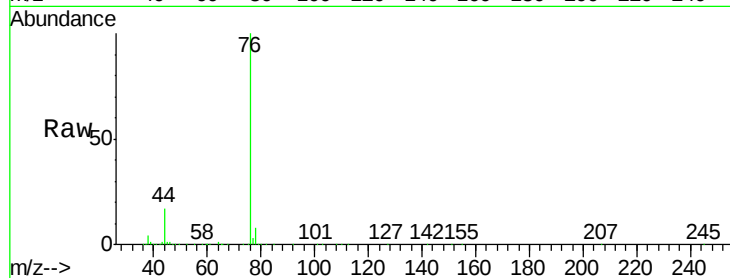
VW0309SBS01

Tgt Ion: 76 Resp: 415121

Ion Ratio Lower Upper

76 100

78 8.3 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

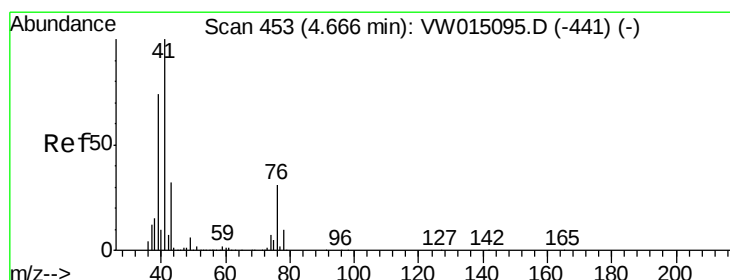
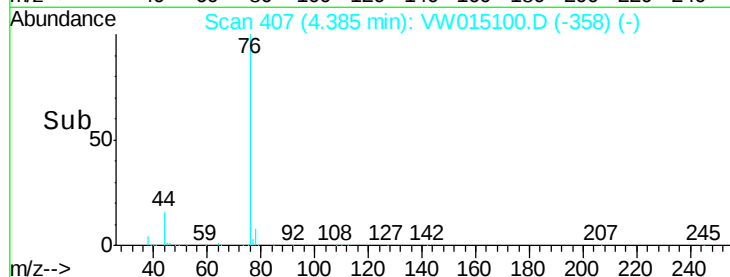
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 20.23 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW015100.D

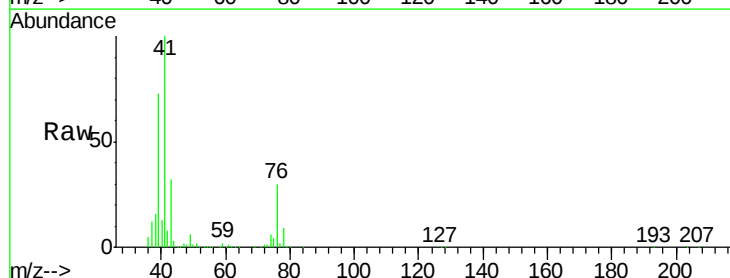
Acq: 09 Mar 2020 16:31

Tgt Ion: 43 Resp: 71994

Ion Ratio Lower Upper

43 100

74 20.5 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

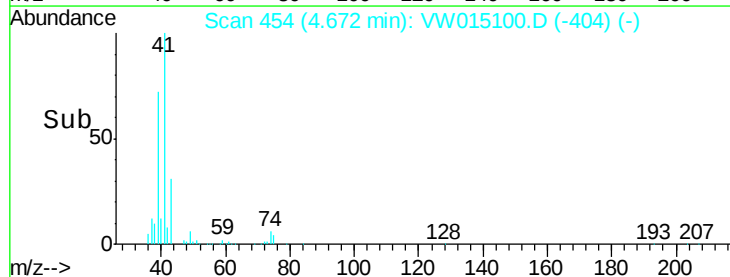
15000

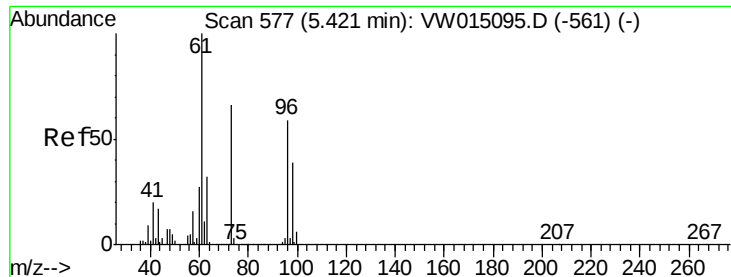
10000

5000

0

Time--> 4.60 4.70 4.80





#19

Methyl tert-butyl Ether

Concen: 22.12 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

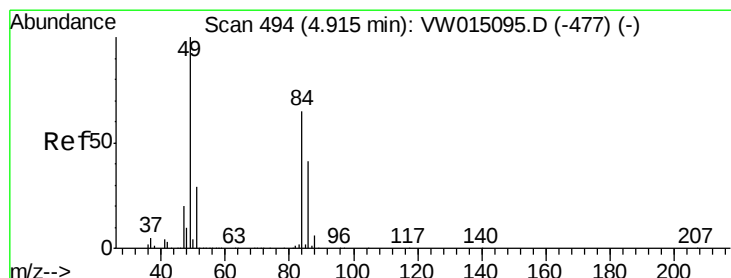
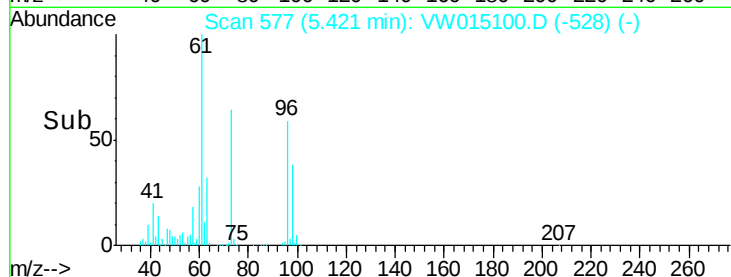
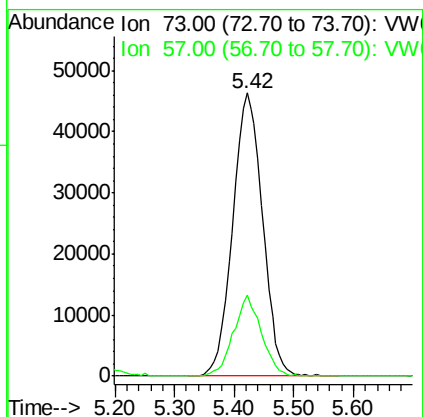
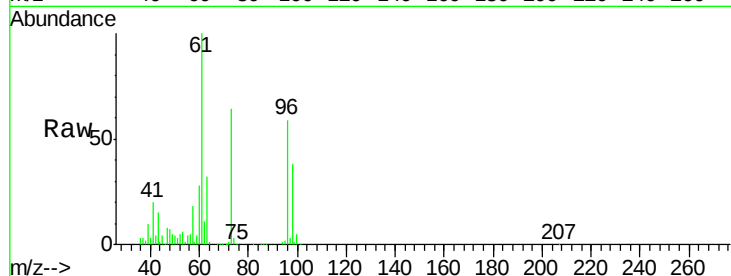
VW0309SBS01

Tgt Ion: 73 Resp: 161076

Ion Ratio Lower Upper

73 100

57 28.4 19.3 28.9



#20

Methylene Chloride

Concen: 21.44 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion: 84 Resp: 145072

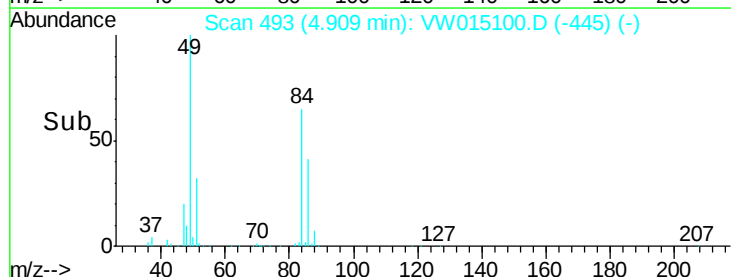
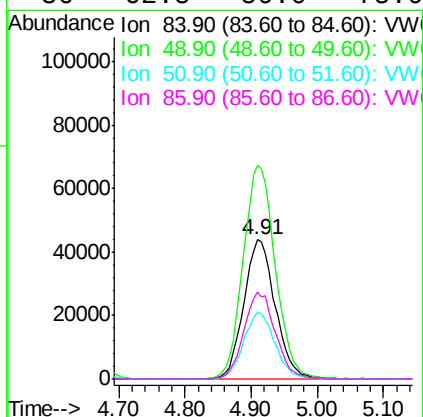
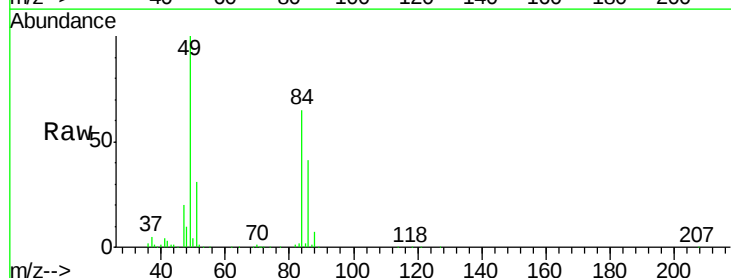
Ion Ratio Lower Upper

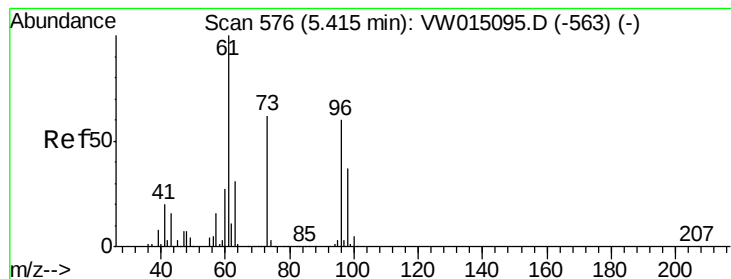
84 100

49 153.6 122.8 184.2

51 48.1 35.9 53.9

86 62.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.38 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

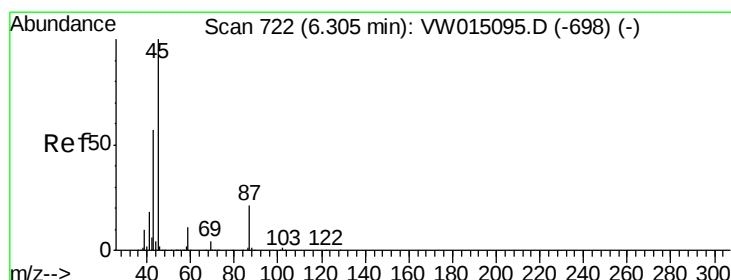
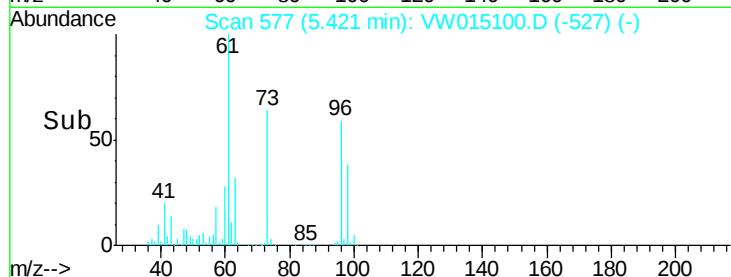
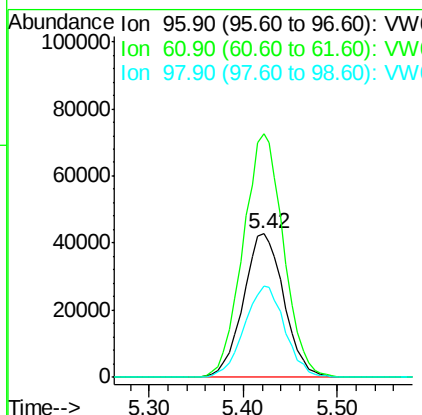
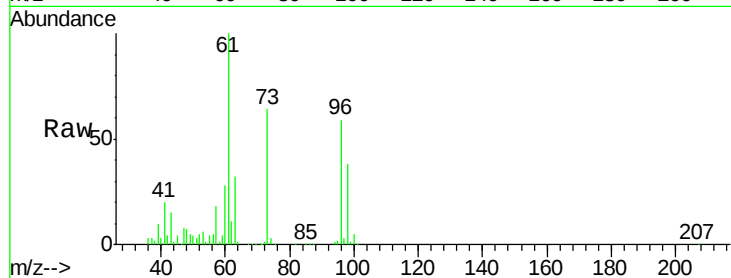
Tgt Ion: 96 Resp: 129121

Ion Ratio Lower Upper

96 100

61 169.4 132.5 198.7

98 63.8 48.9 73.3



#22

Diisopropyl ether

Concen: 22.30 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion: 45 Resp: 487815

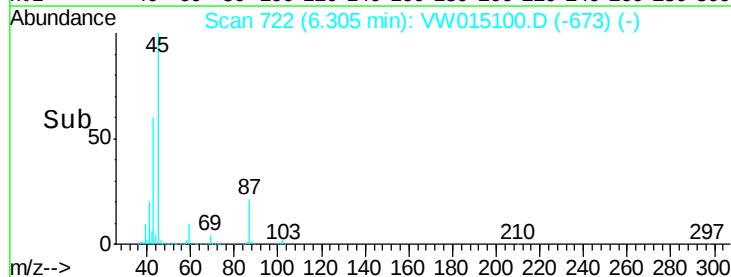
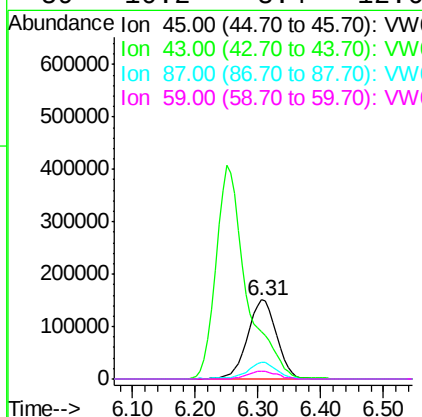
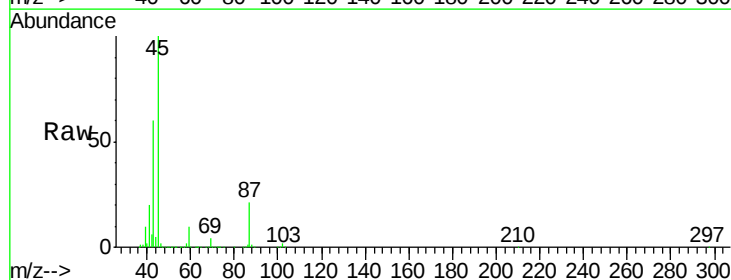
Ion Ratio Lower Upper

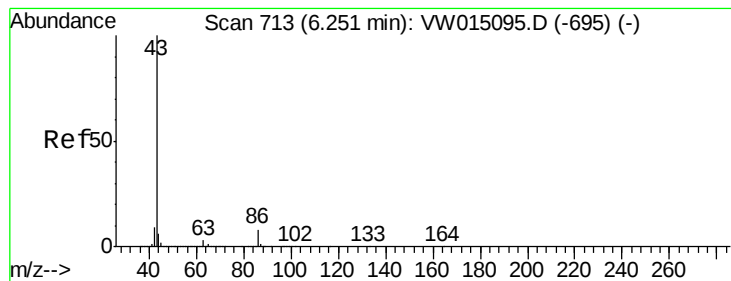
45 100

43 59.3 45.4 68.0

87 20.6 16.4 24.6

59 10.2 8.4 12.6





#23

Vinyl Acetate

Concen: 105.59 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

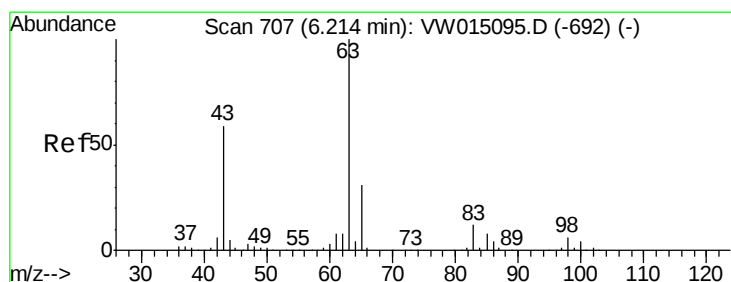
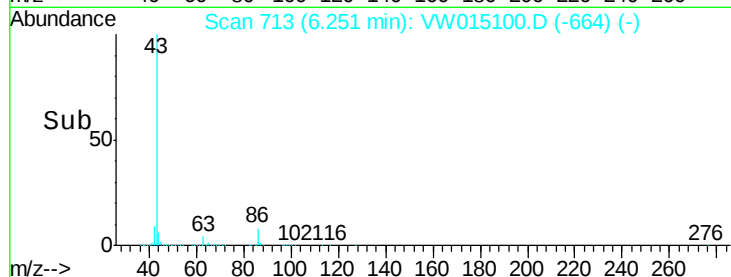
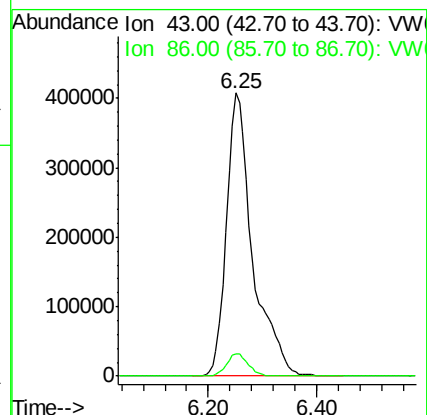
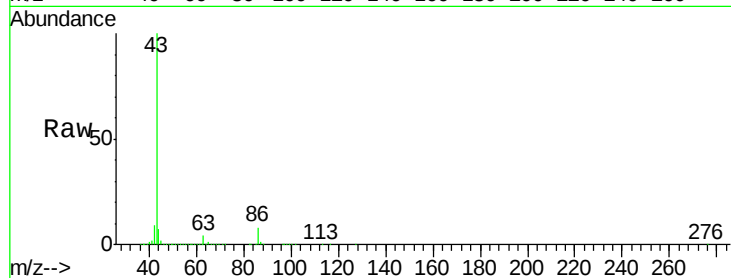
VW0309SBS01

Tgt Ion: 43 Resp: 1363557

Ion Ratio Lower Upper

43 100

86 7.6 6.3 9.5



#24

1,1-Dichloroethane

Concen: 21.24 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

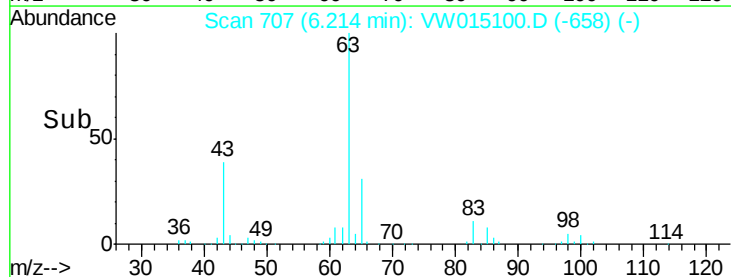
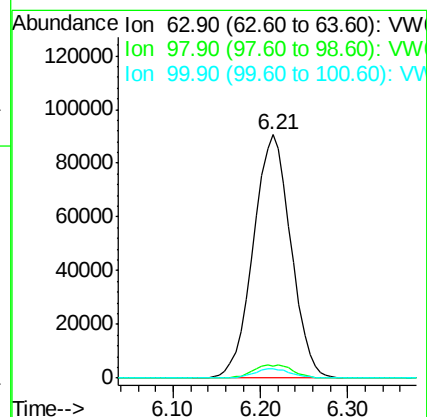
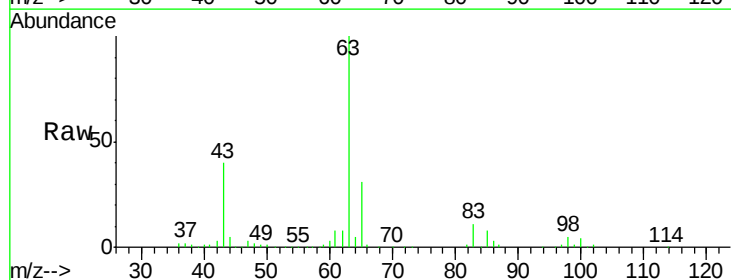
Tgt Ion: 63 Resp: 270920

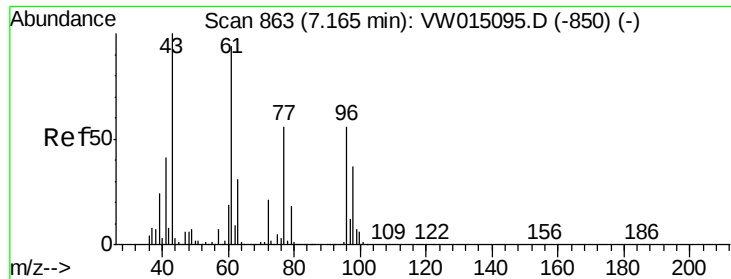
Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.8

100 3.7 2.1 6.3





#25

2-Butanone

Concen: 100.88 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

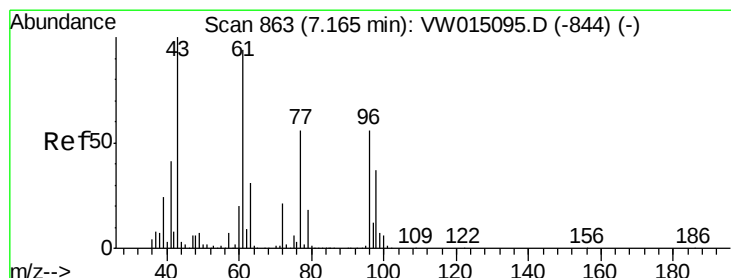
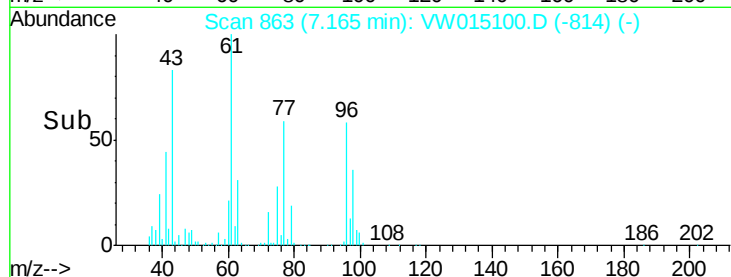
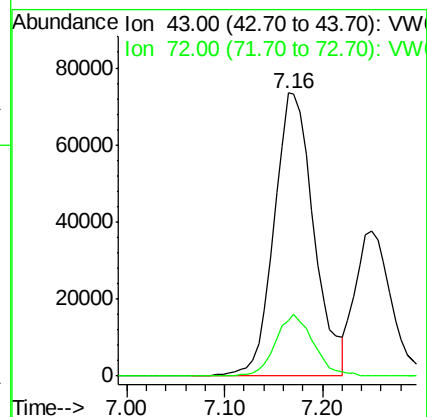
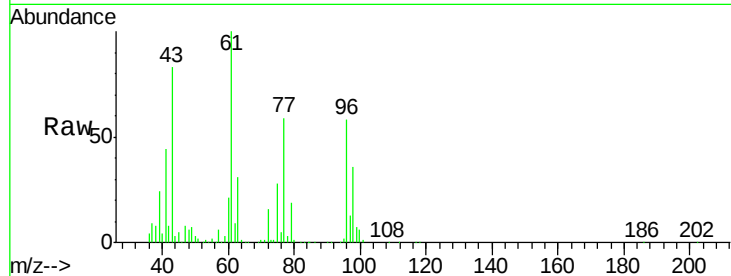
VW0309SBS01

Tgt Ion: 43 Resp: 207653

Ion Ratio Lower Upper

43 100

72 19.8 17.0 25.6



#26

2,2-Dichloropropane

Concen: 22.47 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015100.D

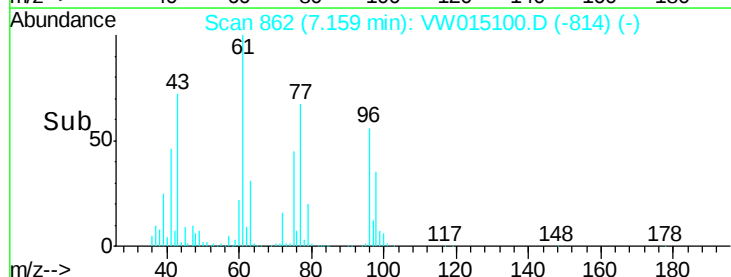
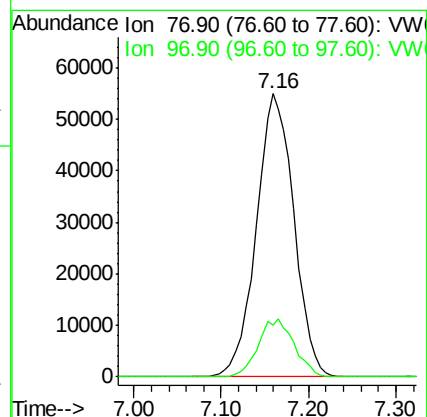
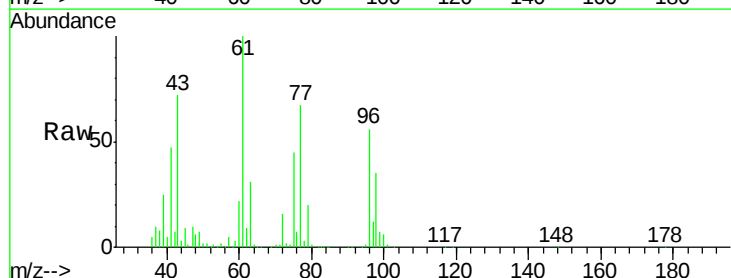
Acq: 09 Mar 2020 16:31

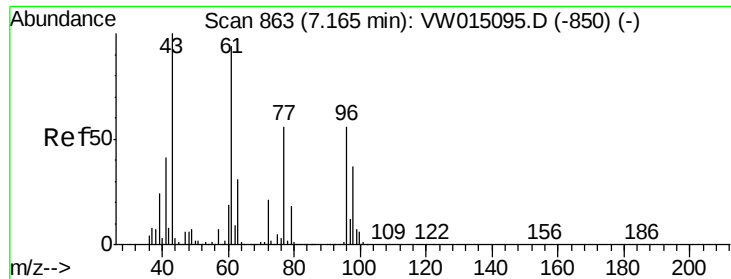
Tgt Ion: 77 Resp: 163947

Ion Ratio Lower Upper

77 100

97 19.7 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 21.39 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

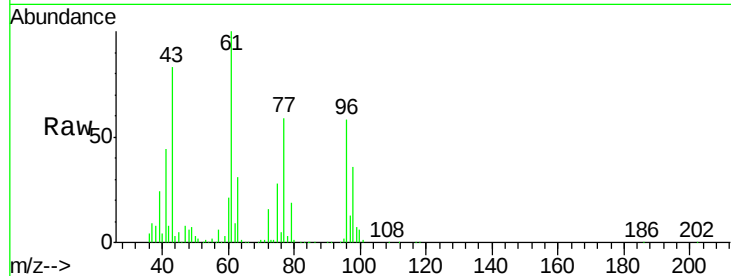
Tgt Ion: 96 Resp: 134486

Ion Ratio Lower Upper

96 100

61 177.1 0.0 343.4

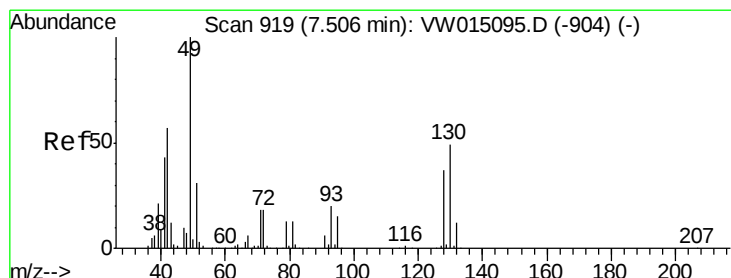
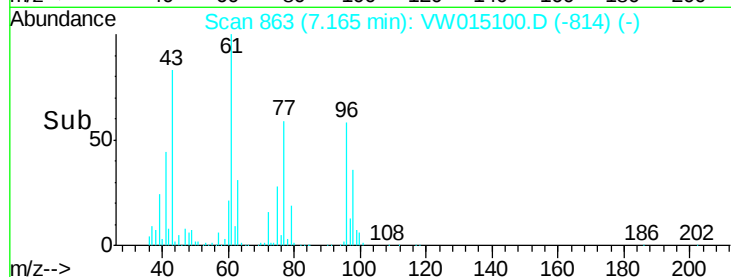
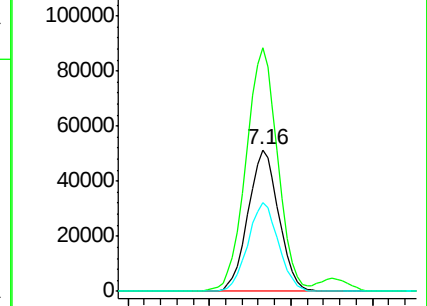
98 62.7 0.0 127.6



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: 19.85 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

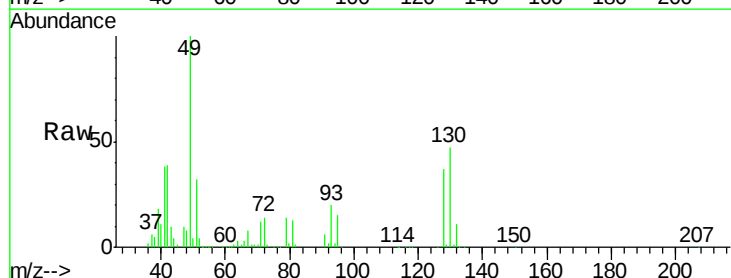
Tgt Ion: 49 Resp: 121321

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.0

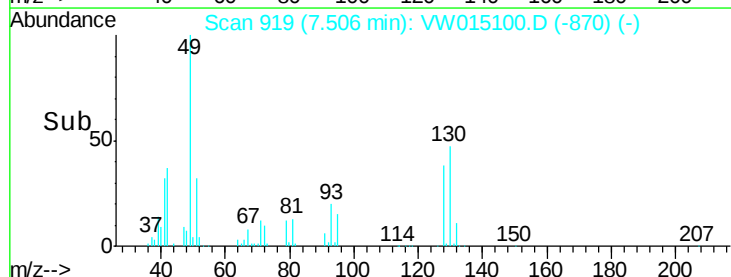
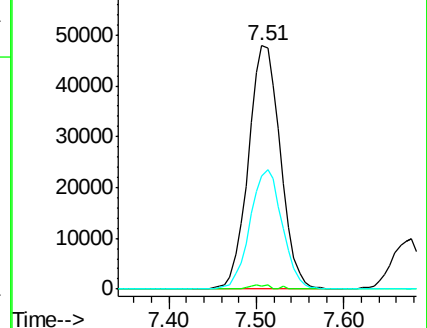
130 49.5 39.8 59.6

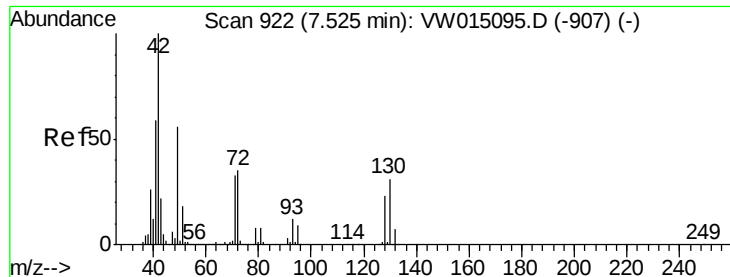


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

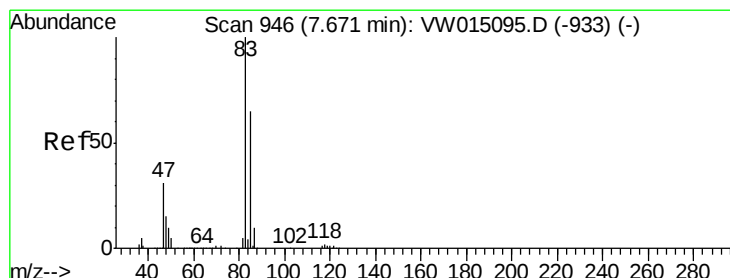
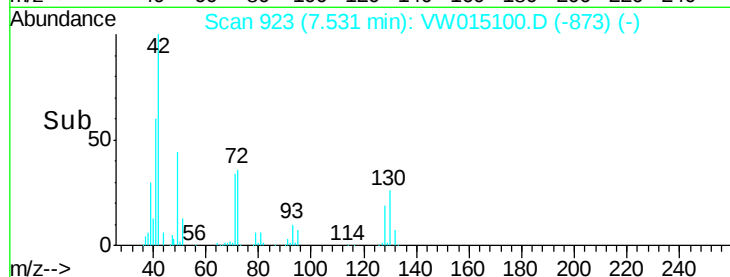
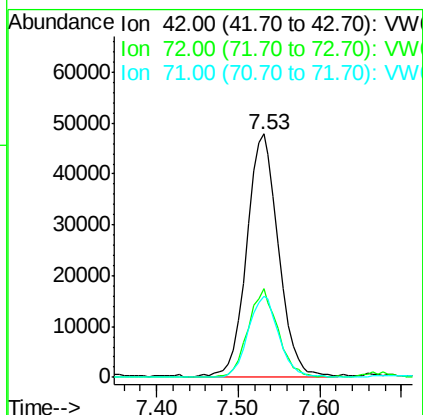
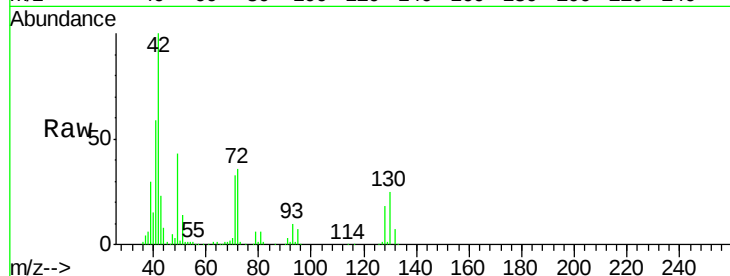




#29
Tetrahydrofuran
Concen: 99.97 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

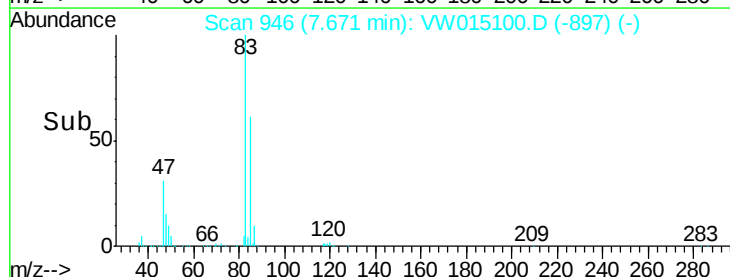
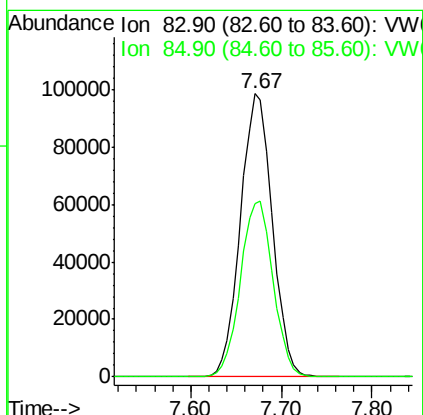
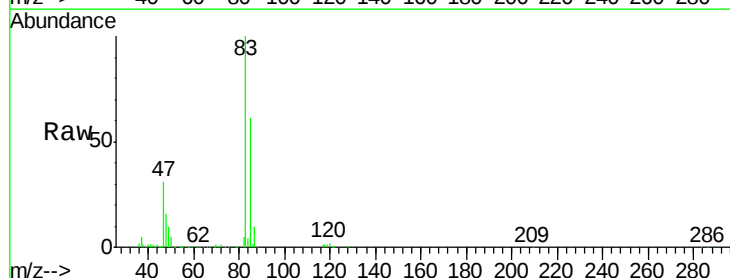
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

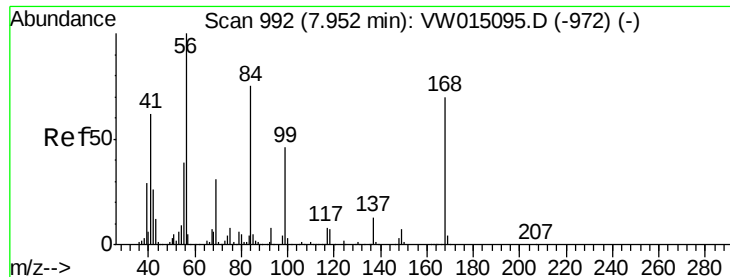
Tgt Ion: 42 Resp: 128704
Ion Ratio Lower Upper
42 100
72 34.7 27.8 41.6
71 32.8 26.4 39.6



#30
Chloroform
Concen: 21.20 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 83 Resp: 240032
Ion Ratio Lower Upper
83 100
85 61.4 51.9 77.9

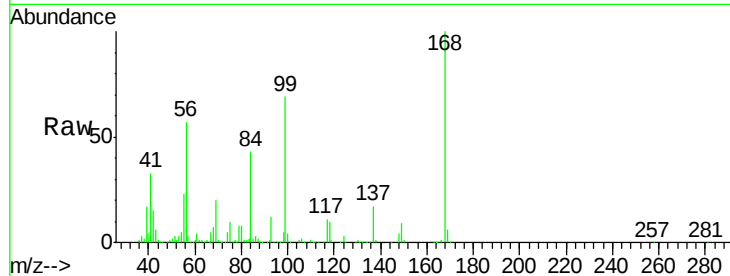




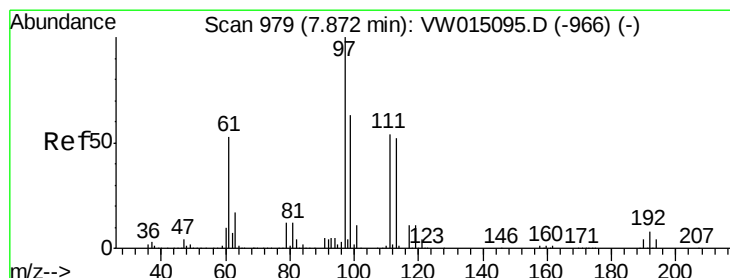
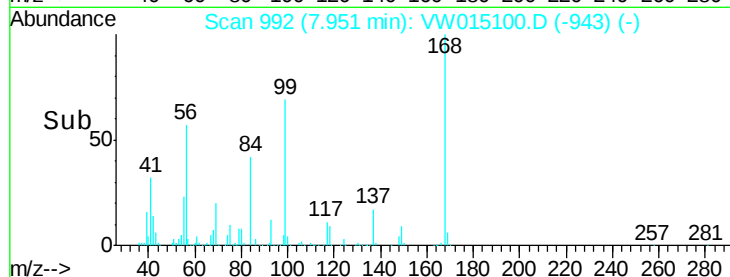
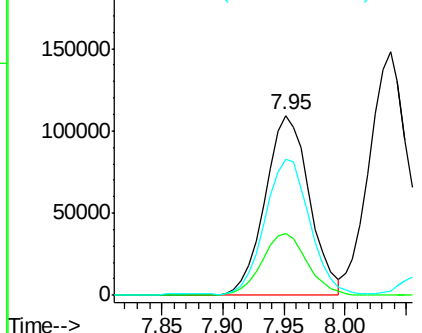
#31
Cyclohexane
Concen: 21.05 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampled :
VW0309SBS01

Tgt Ion: 56 Resp: 276161
Ion Ratio Lower Upper
56 100
69 34.4 24.6 37.0
84 74.8 59.9 89.9

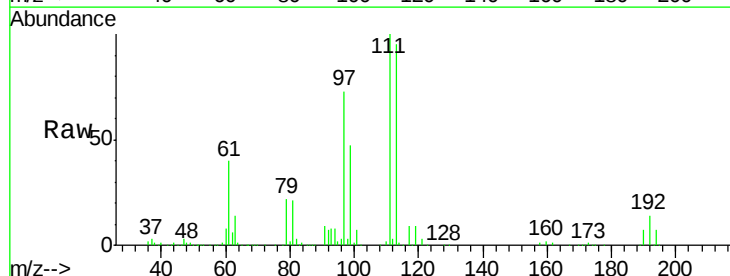


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

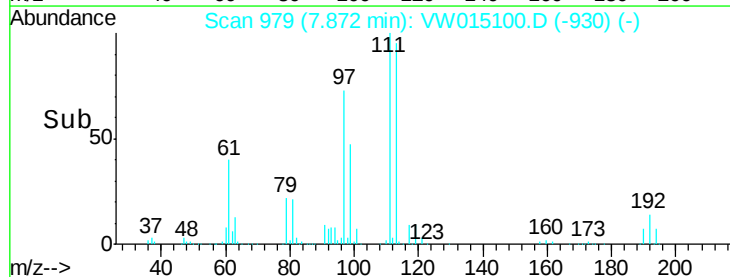
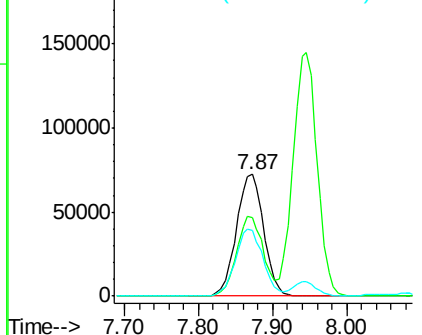


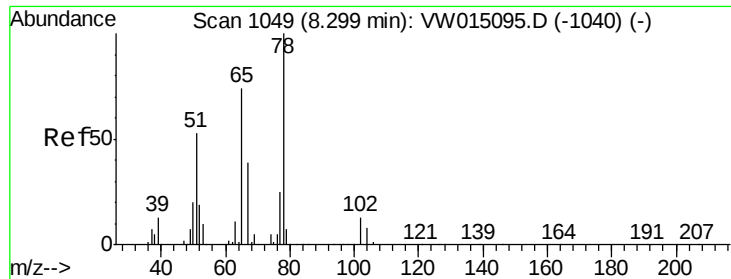
#32
1,1,1-Trichloroethane
Concen: 21.08 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 97 Resp: 186355
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 55.6 44.0 66.0



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: 53.14 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

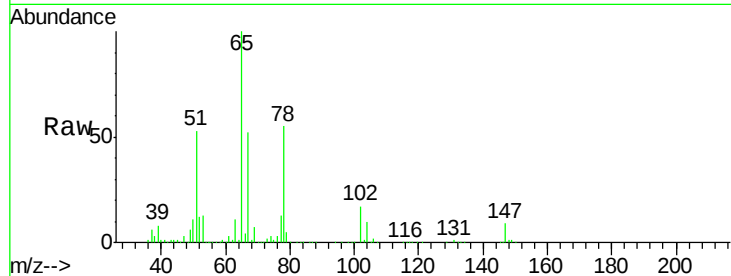
VW0309SBS01

Tgt Ion: 65 Resp: 349887

Ion Ratio Lower Upper

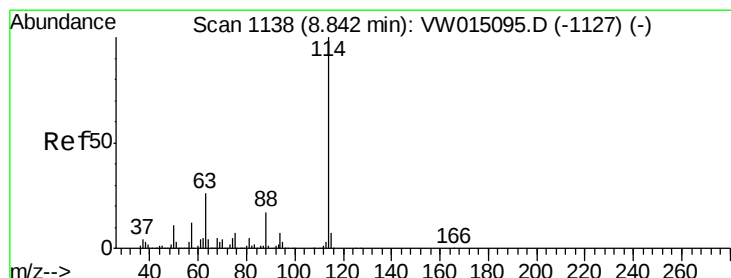
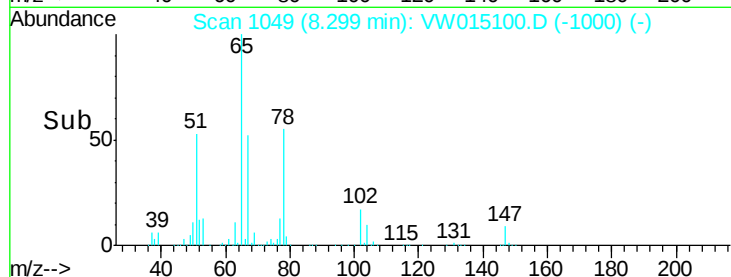
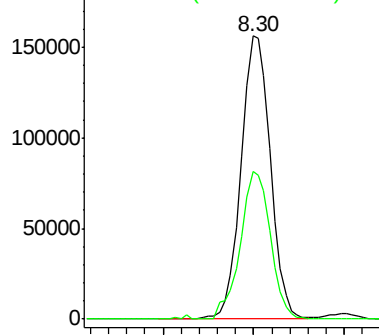
65 100

67 53.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

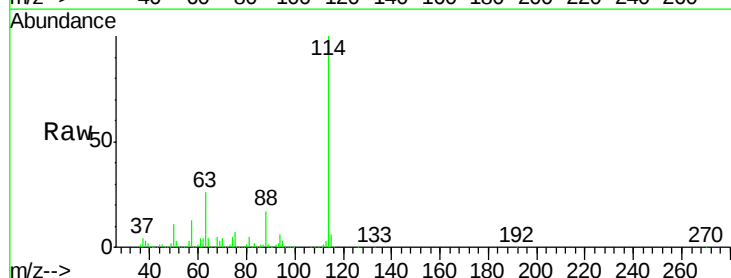
Tgt Ion: 114 Resp: 833358

Ion Ratio Lower Upper

114 100

63 26.4 0.0 52.0

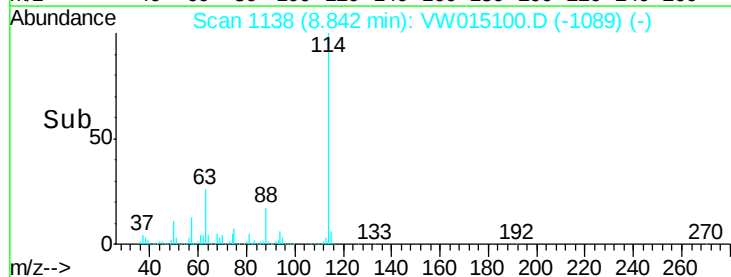
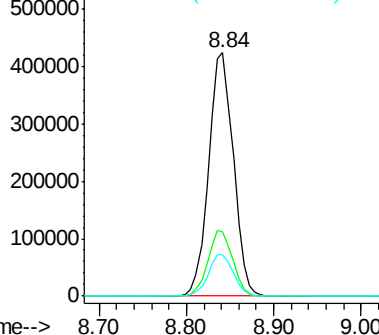
88 17.2 0.0 34.2

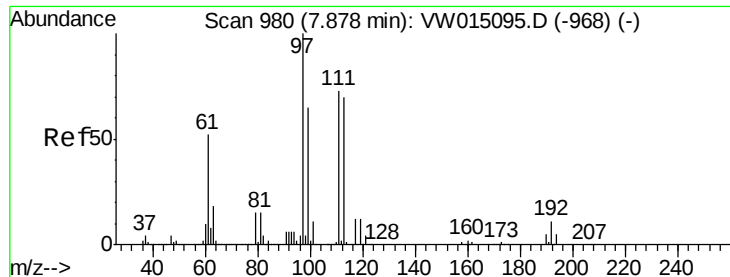


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

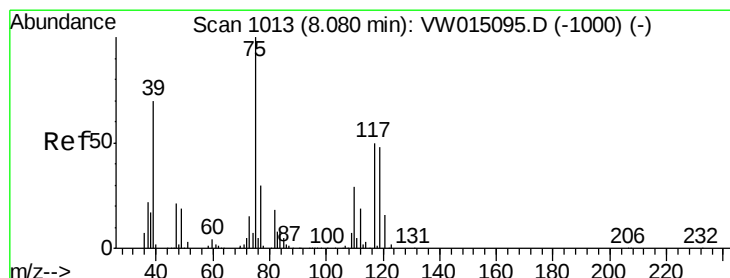
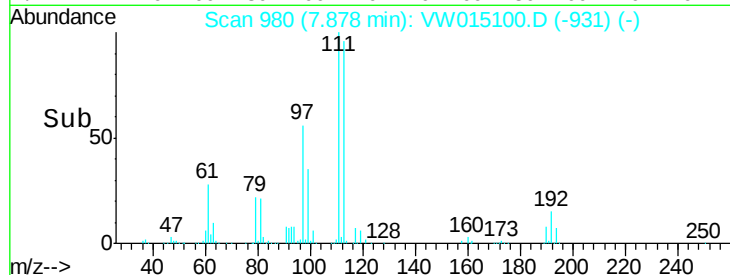
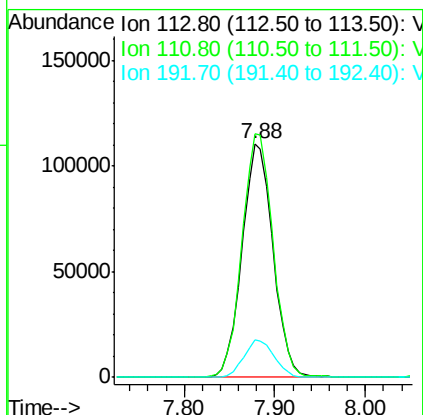
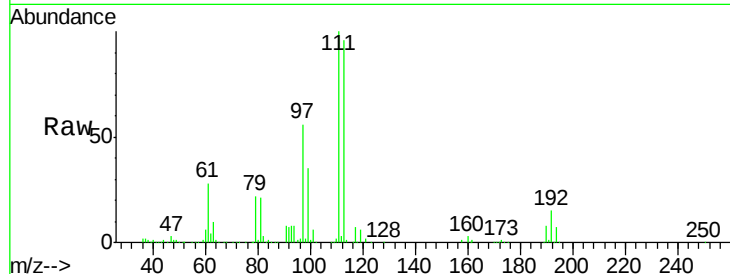




#35
 Dibromofluoromethane
 Concen: 52.16 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

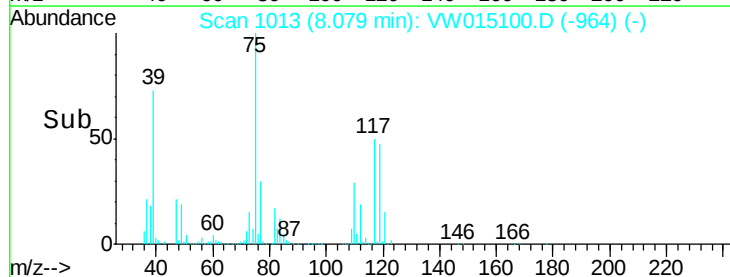
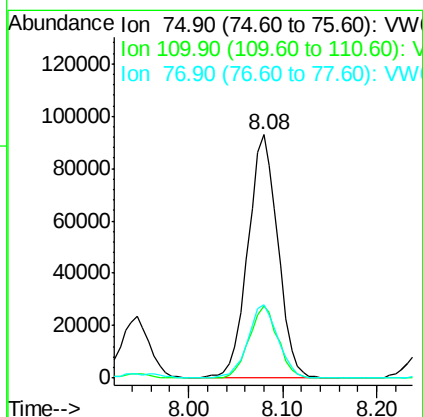
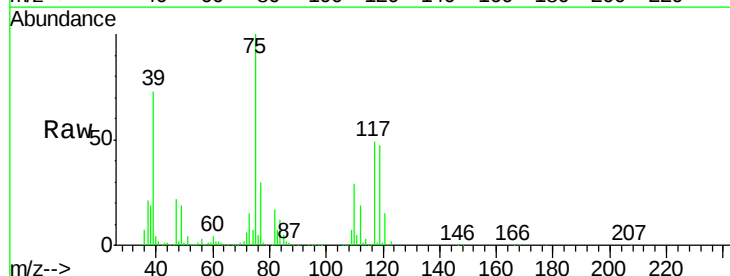
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

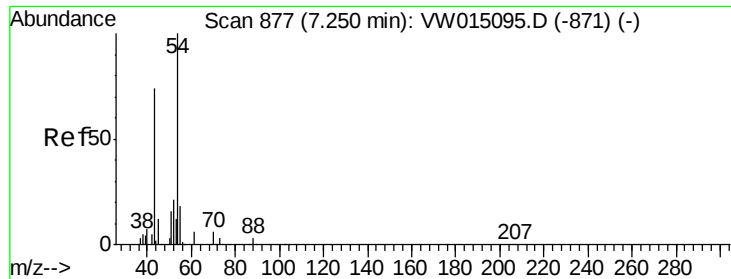
Tgt Ion: 113 Resp: 260249
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.6 125.4
 192 15.9 12.4 18.6



#36
 1,1-Dichloropropene
 Concen: 21.42 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 75 Resp: 206980
 Ion Ratio Lower Upper
 75 100
 110 28.6 14.7 44.1
 77 30.6 24.2 36.4

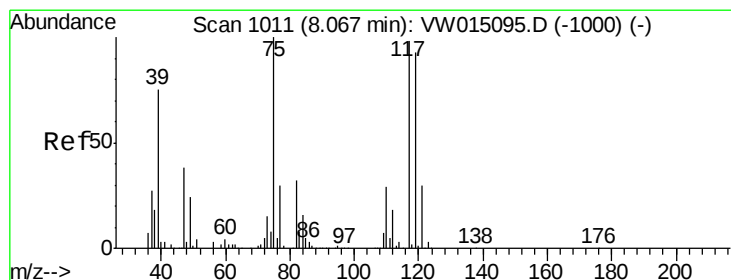
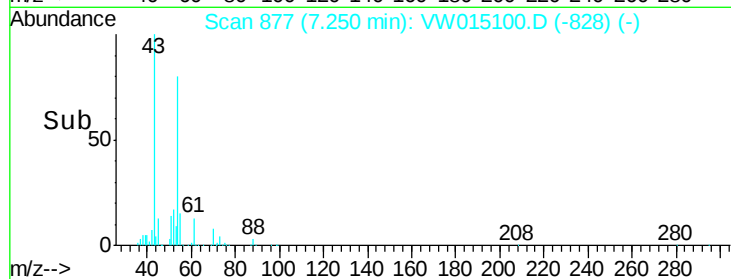
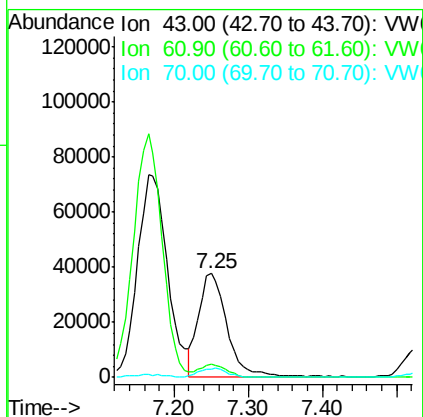
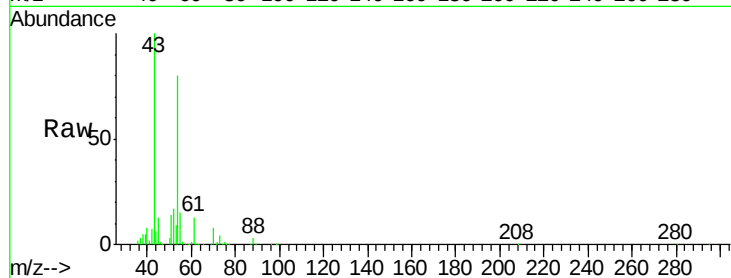




#37
 Ethyl Acetate
 Concen: 20.39 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

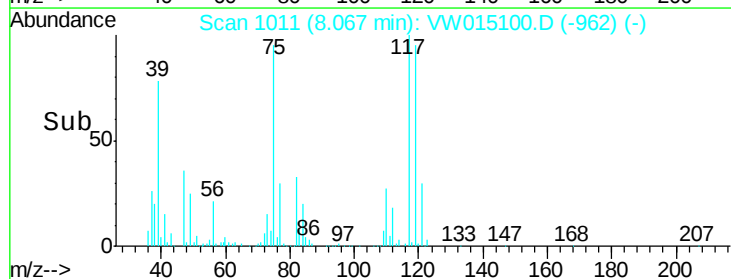
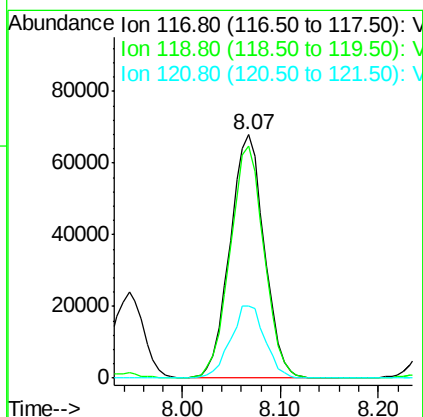
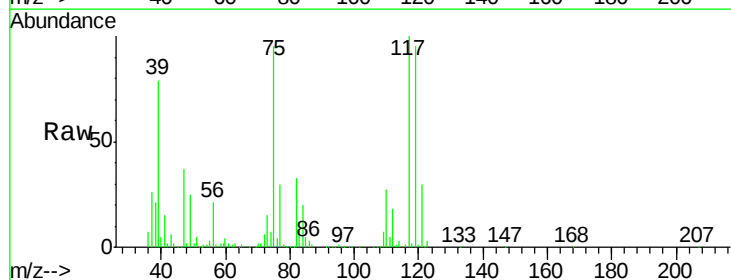
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

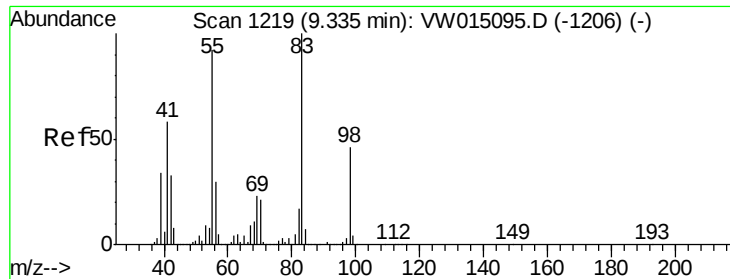
Tgt Ion: 43 Resp: 98229
 Ion Ratio Lower Upper
 43 100
 61 12.2 9.6 14.4
 70 8.8 6.5 9.7



#38
 Carbon Tetrachloride
 Concen: 21.02 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 117 Resp: 165339
 Ion Ratio Lower Upper
 117 100
 119 95.1 75.8 113.8
 121 29.8 24.5 36.7

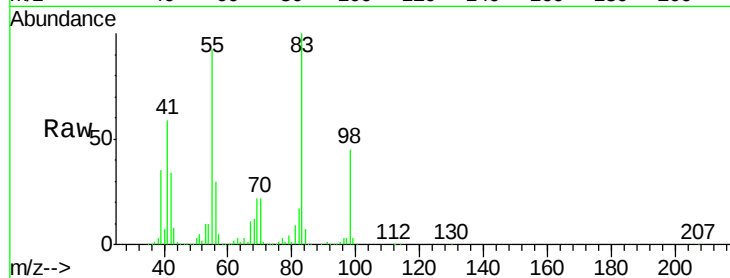




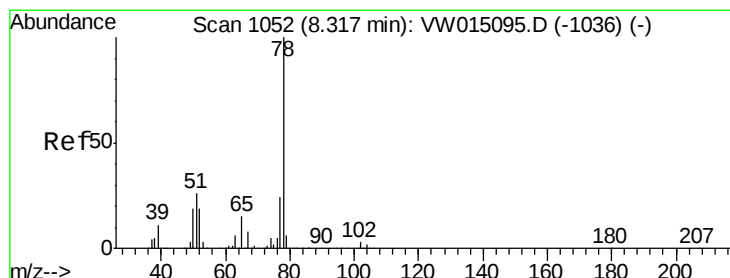
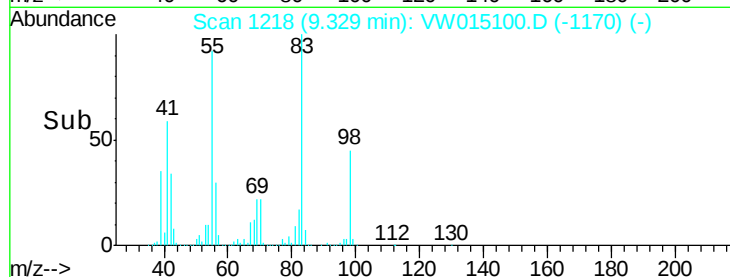
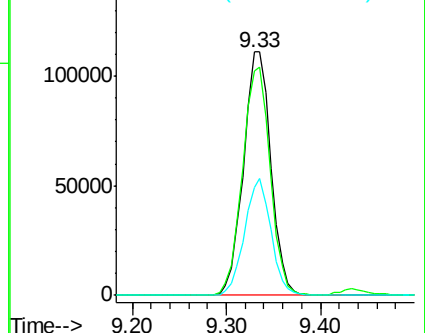
#39
Methylcyclohexane
Concen: 20.49 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampled :
VW0309SBS01

Tgt Ion: 83 Resp: 226416
Ion Ratio Lower Upper
83 100
55 92.1 73.5 110.3
98 44.5 37.2 55.8

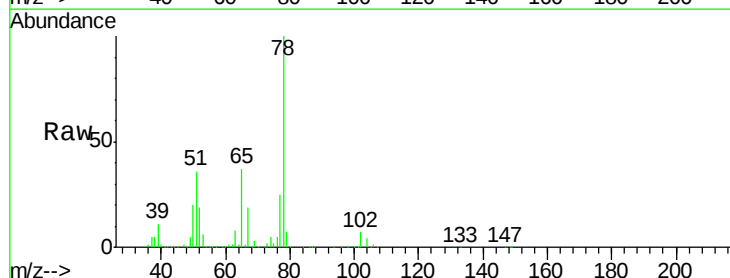


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

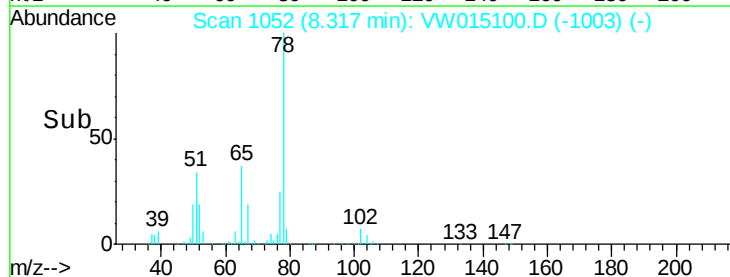
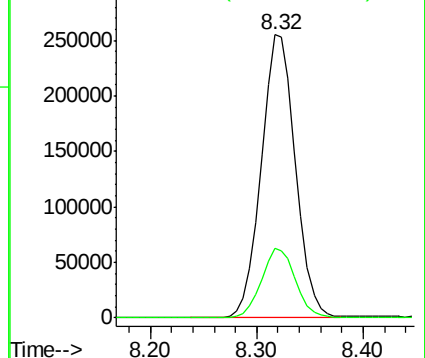


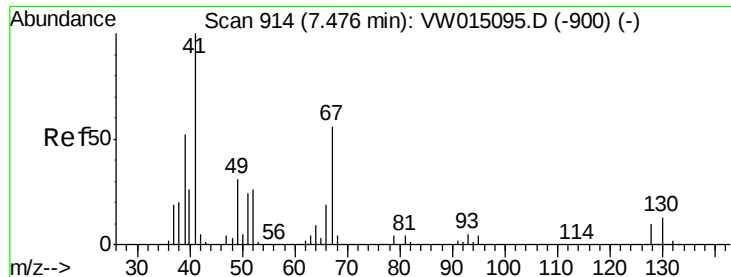
#40
Benzene
Concen: 21.27 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 78 Resp: 571126
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3



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

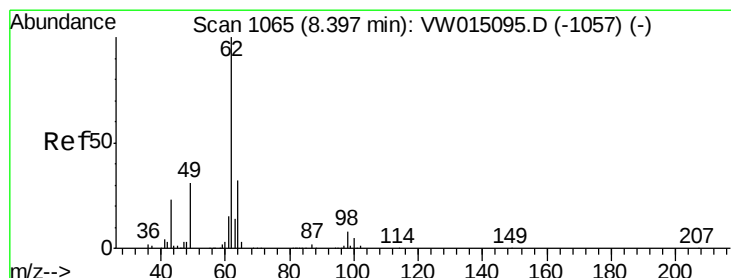
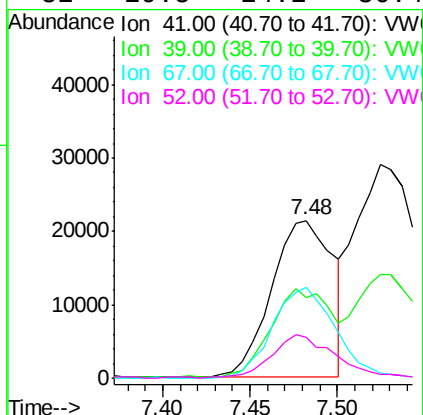
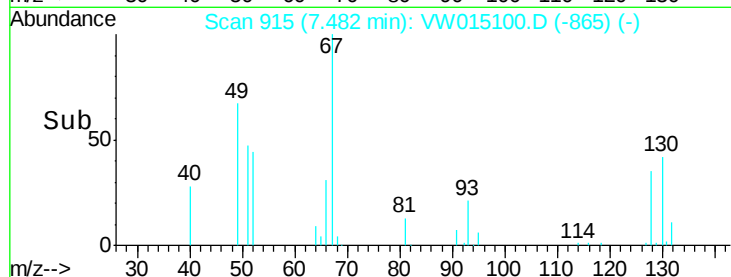
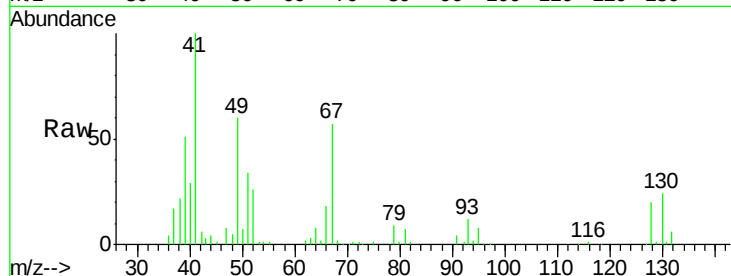




#41
Methacrylonitrile
Concen: 20.51 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

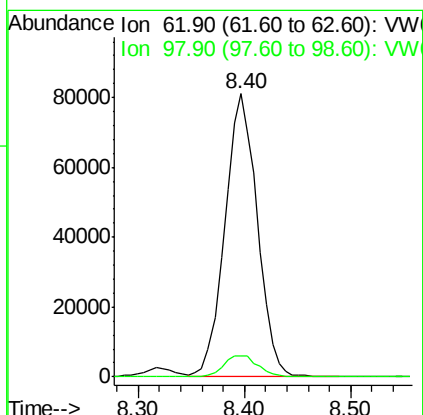
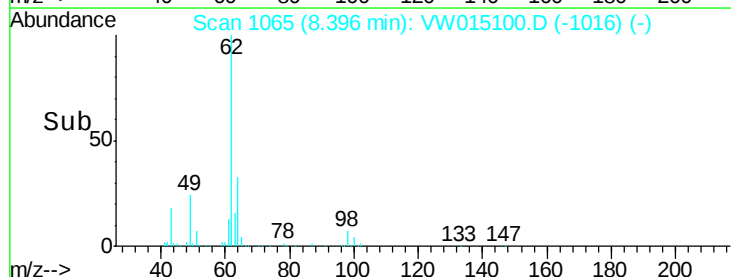
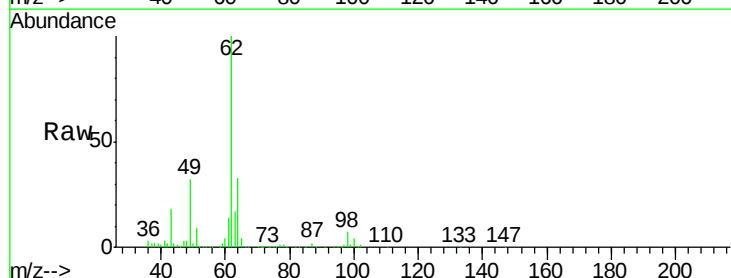
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

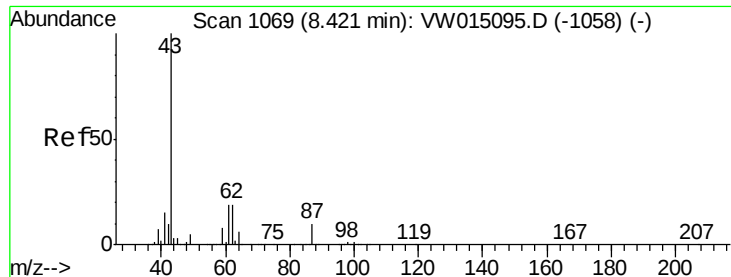
Tgt Ion:	41	Resp:	52255
Ion	Ratio	Lower	Upper
41	100		
39	54.9	49.0	73.4
67	61.2	50.4	75.6
52	29.5	24.2	36.4



#42
1,2-Dichloroethane
Concen: 21.00 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion:	62	Resp:	171793
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.0





#43

Isopropyl Acetate

Concen: 20.38 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

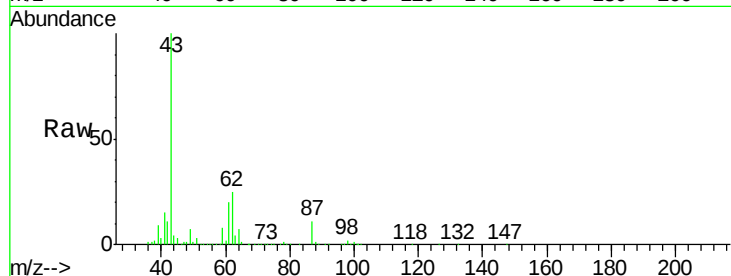
Tgt Ion: 43 Resp: 176021

Ion Ratio Lower Upper

43 100

61 27.8 21.8 32.8

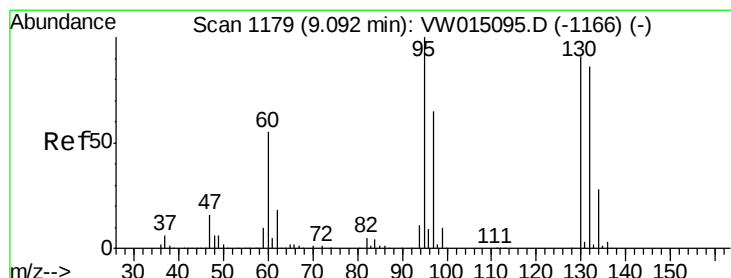
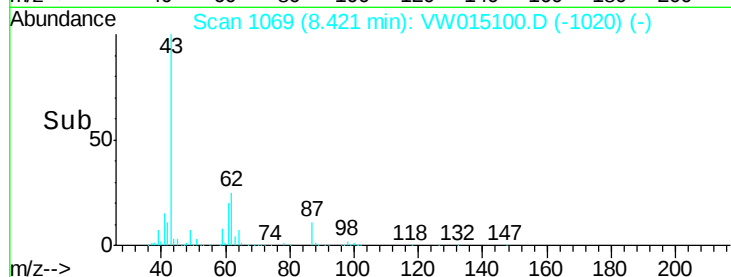
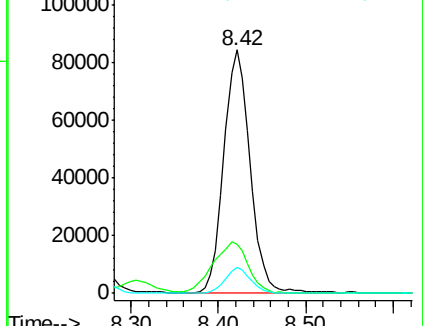
87 10.2 8.0 12.0



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: 20.35 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015100.D

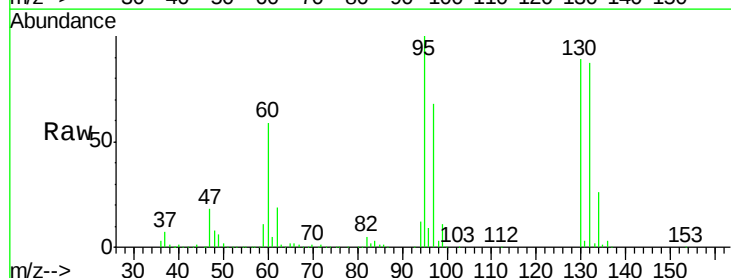
Acq: 09 Mar 2020 16:31

Tgt Ion: 130 Resp: 116367

Ion Ratio Lower Upper

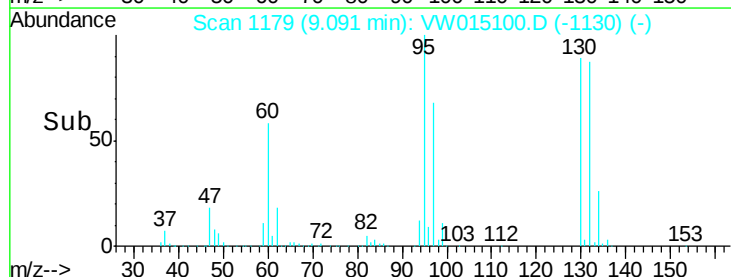
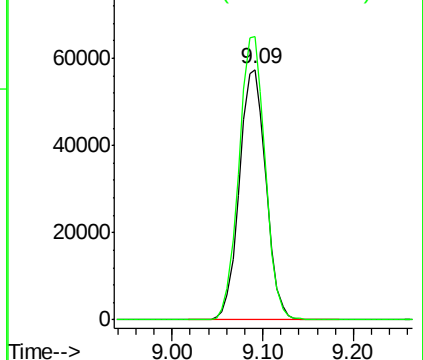
130 100

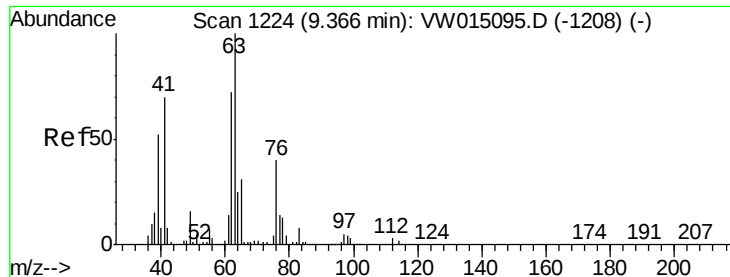
95 112.9 0.0 219.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.99 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

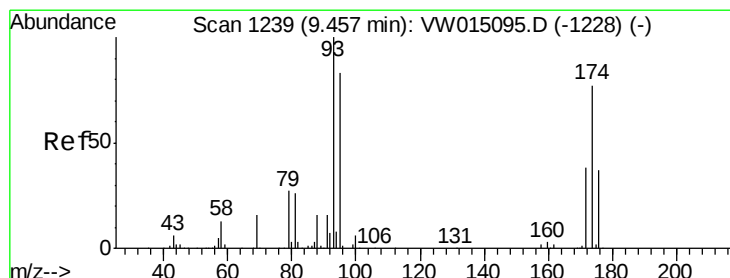
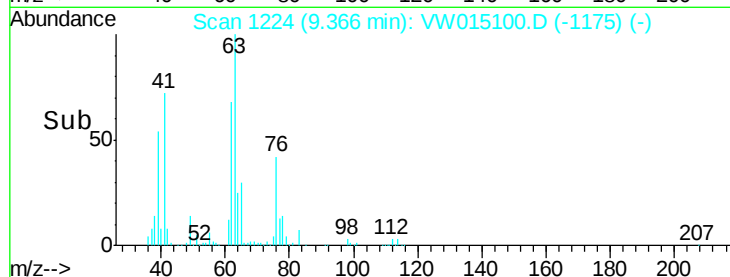
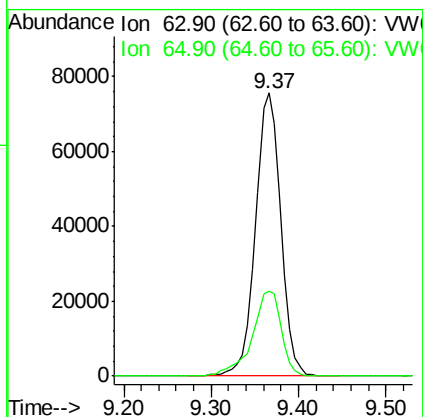
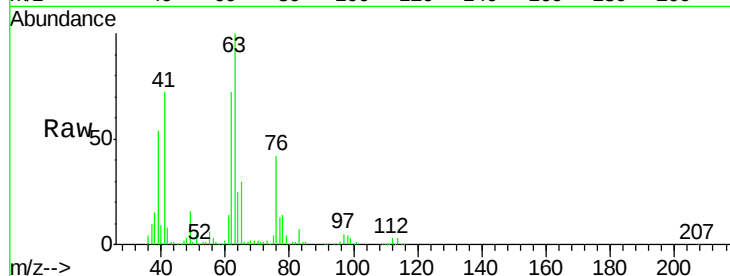
VW0309SBS01

Tgt Ion: 63 Resp: 151822

Ion Ratio Lower Upper

63 100

65 30.1 24.6 36.8



#46

Dibromomethane

Concen: 20.36 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

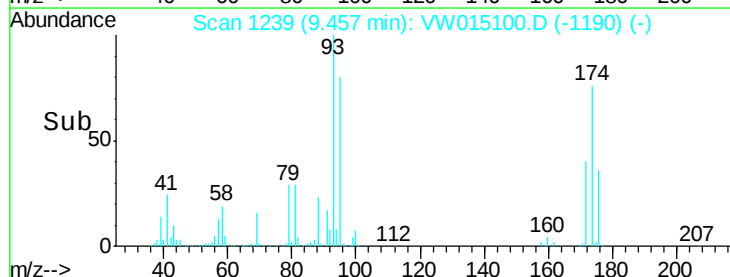
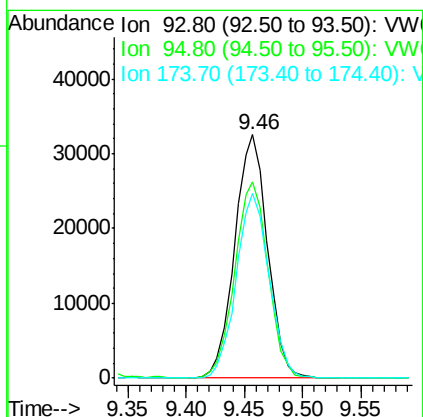
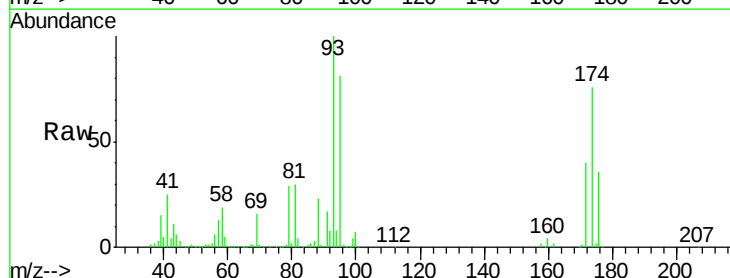
Tgt Ion: 93 Resp: 64030

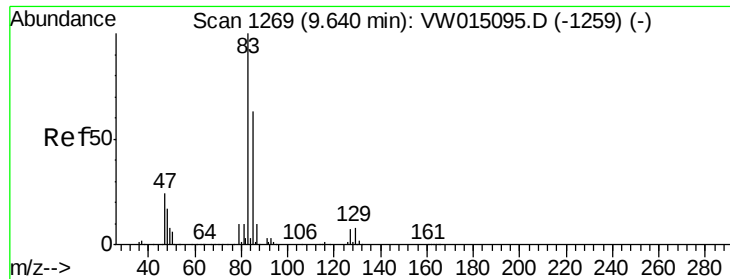
Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

174 76.0 60.6 91.0





#47

Bromodichloromethane

Concen: 20.57 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

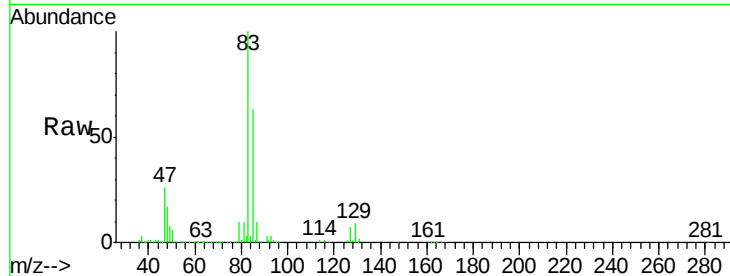
Tgt Ion: 83 Resp: 172758

Ion Ratio Lower Upper

83 100

85 63.2 50.7 76.1

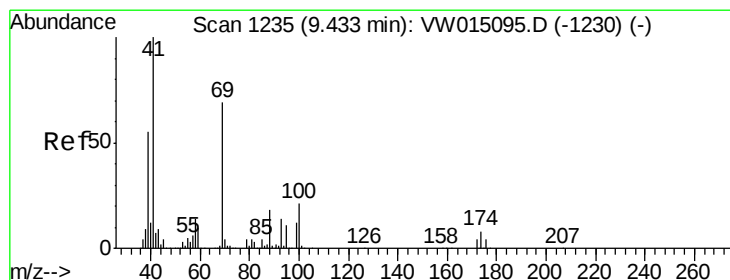
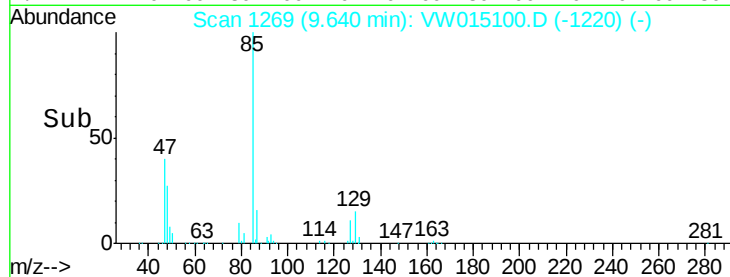
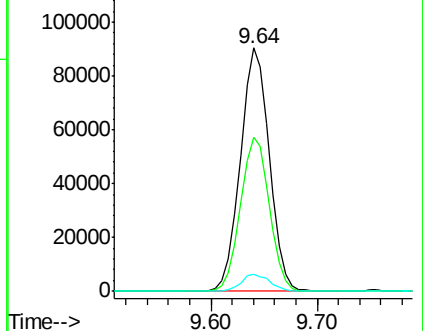
127 6.8 5.5 8.3



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: 19.09 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

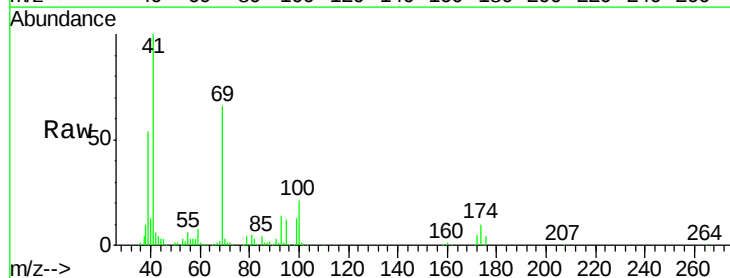
Tgt Ion: 41 Resp: 77211

Ion Ratio Lower Upper

41 100

69 73.2 58.7 88.1

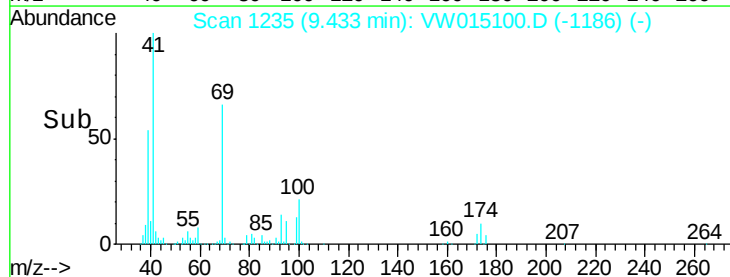
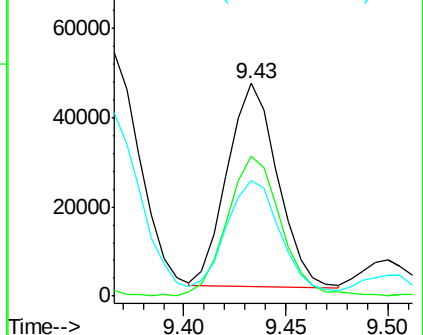
39 57.0 45.1 67.7

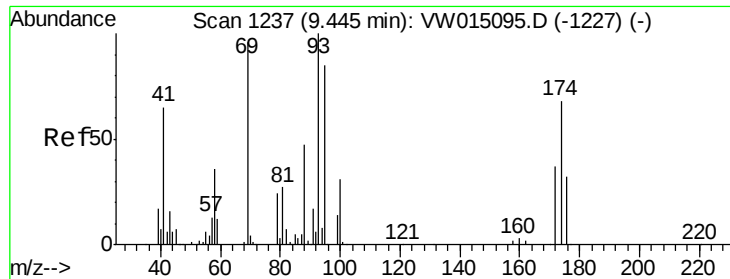


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 329.38 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

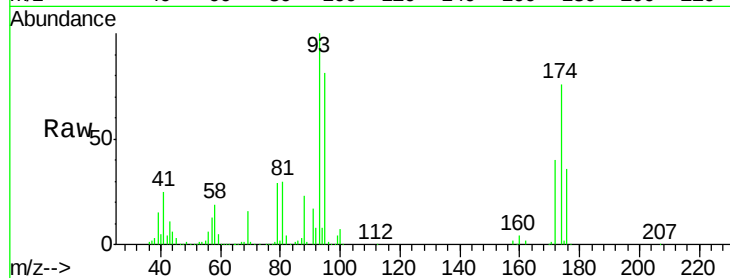
Tgt Ion: 88 Resp: 15860

Ion Ratio Lower Upper

88 100

43 0.0 35.8 53.8#

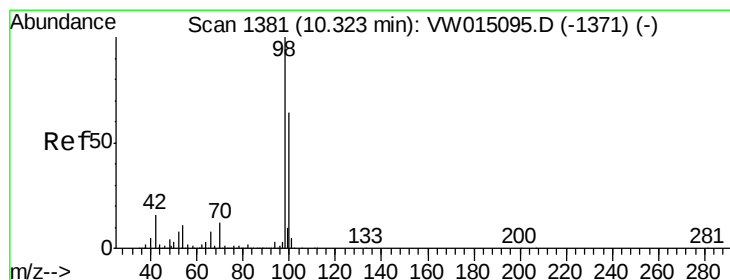
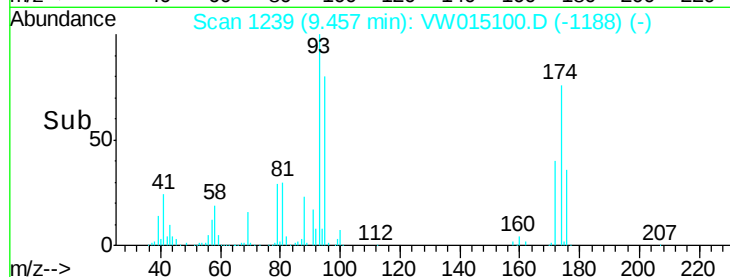
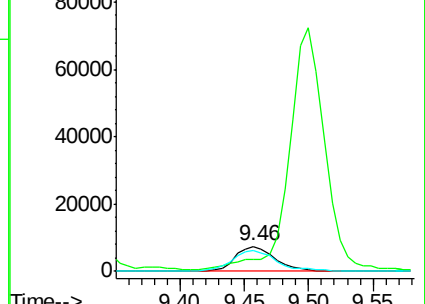
58 95.7 64.0 96.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.11 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015100.D

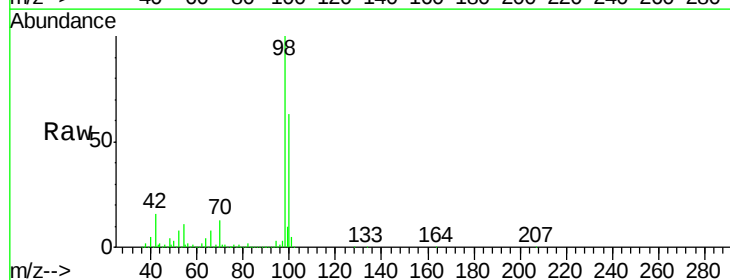
Acq: 09 Mar 2020 16:31

Tgt Ion: 98 Resp: 1130482

Ion Ratio Lower Upper

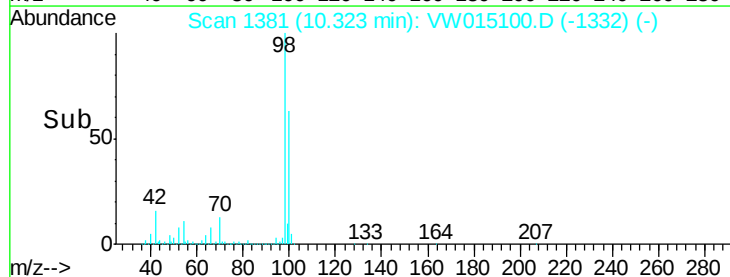
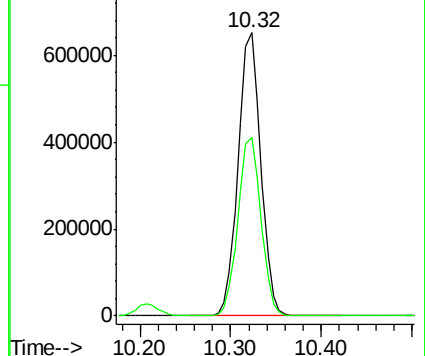
98 100

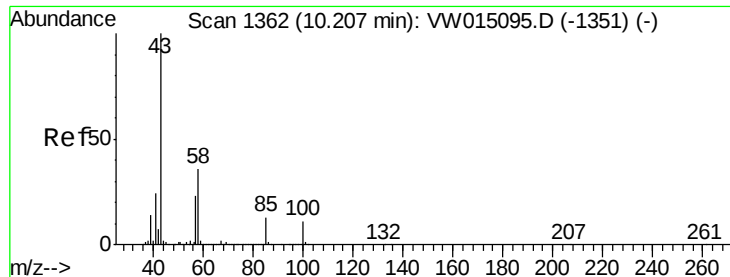
100 64.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

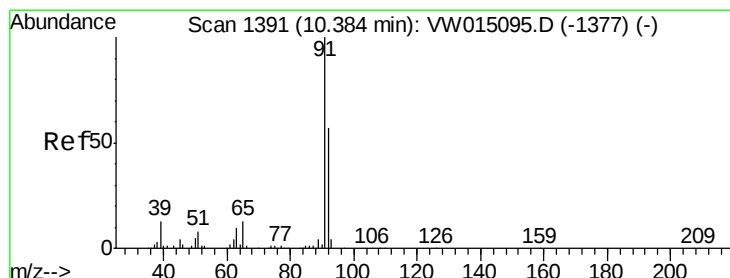
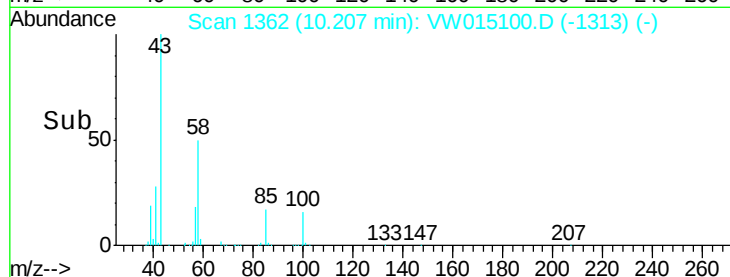
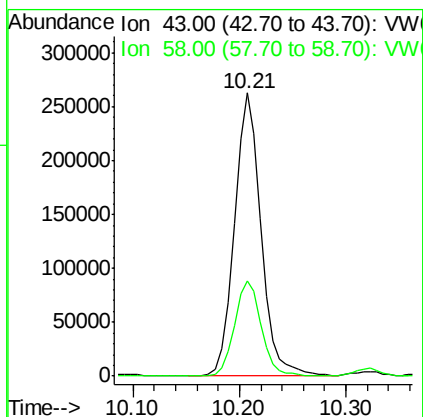
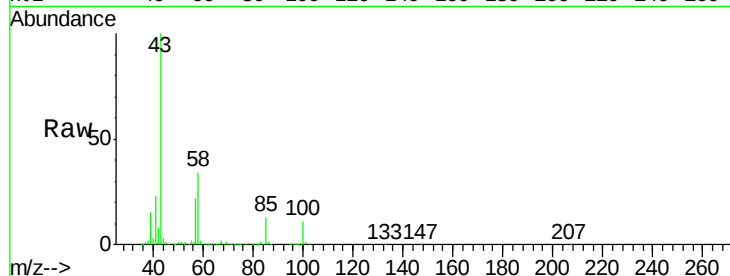




#51
 4-Methyl-2-Pentanone
 Concen: 95.92 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

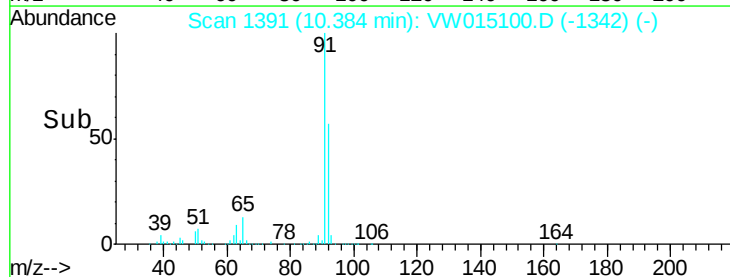
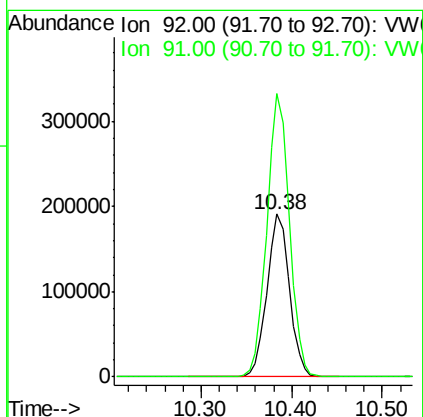
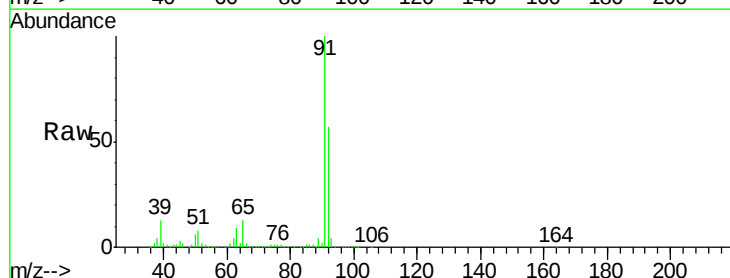
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

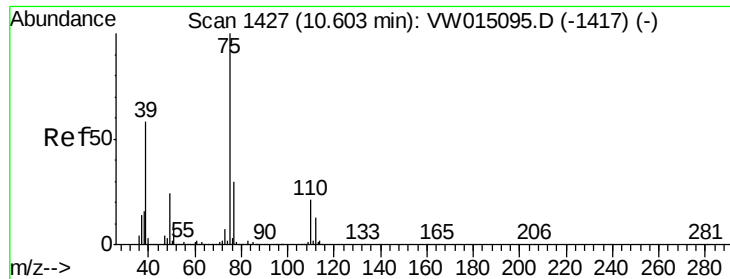
Tgt Ion: 43 Resp: 457517
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.0 42.0



#52
 Toluene
 Concen: 21.25 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 92 Resp: 327833
 Ion Ratio Lower Upper
 92 100
 91 174.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 20.25 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampled :

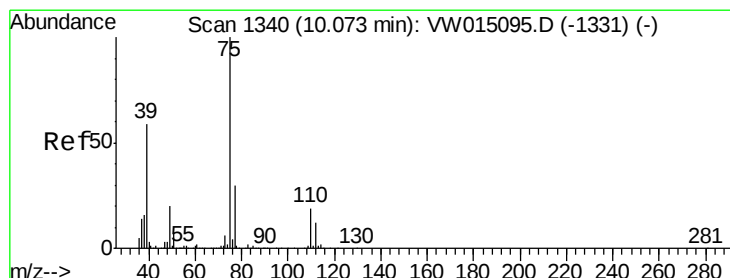
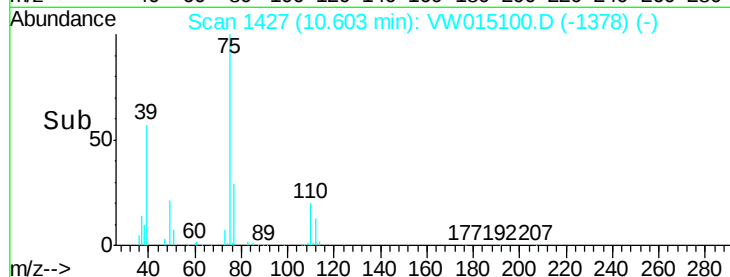
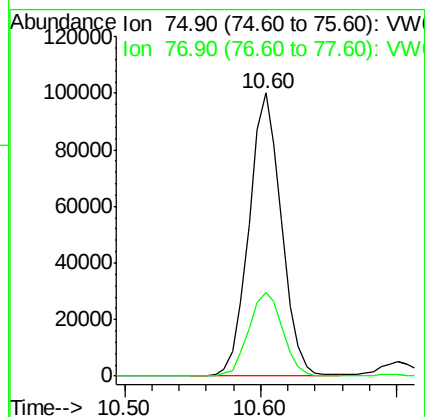
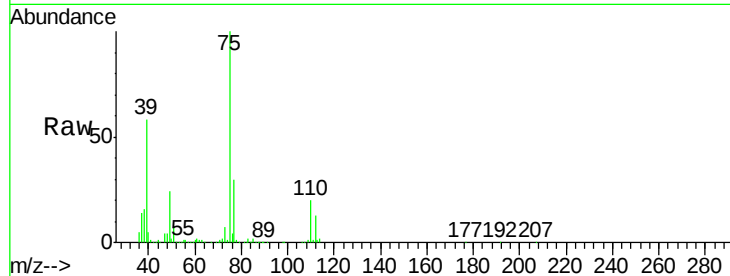
VW0309SBS01

Tgt Ion: 75 Resp: 167269

Ion Ratio Lower Upper

75 100

77 29.5 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.34 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

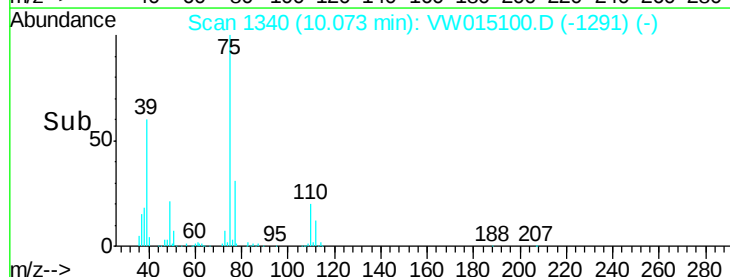
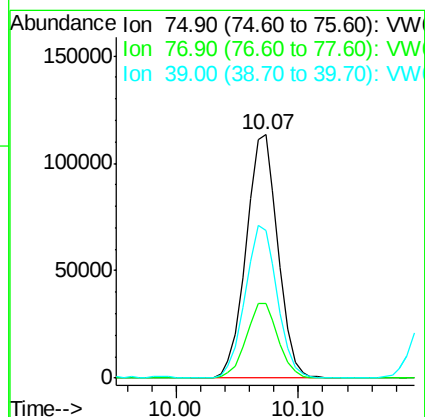
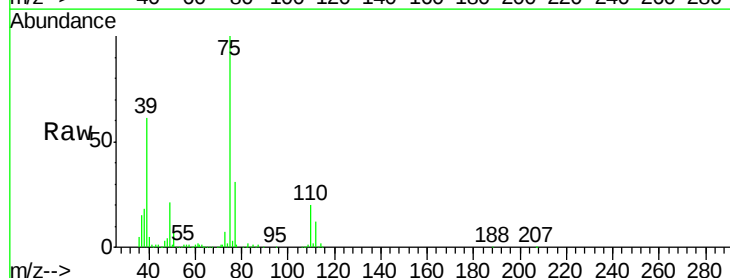
Tgt Ion: 75 Resp: 204656

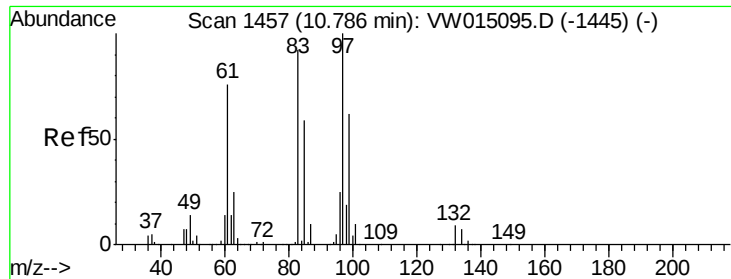
Ion Ratio Lower Upper

75 100

77 30.6 24.3 36.5

39 60.7 47.0 70.6





#55

1,1,2-Trichloroethane

Concen: 20.23 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

Tgt Ion: 97 Resp: 87198

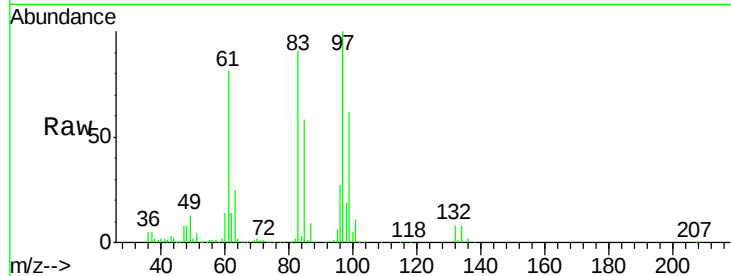
Ion Ratio Lower Upper

97 100

83 90.8 74.0 111.0

85 57.5 46.9 70.3

99 62.0 49.8 74.8

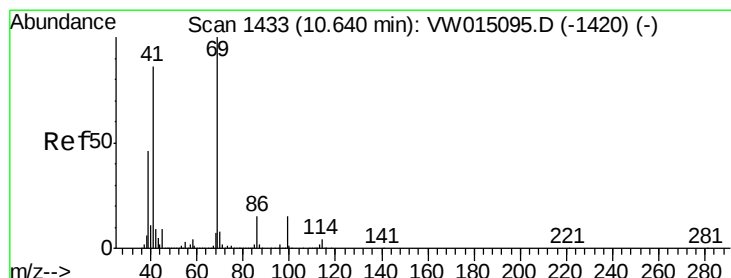
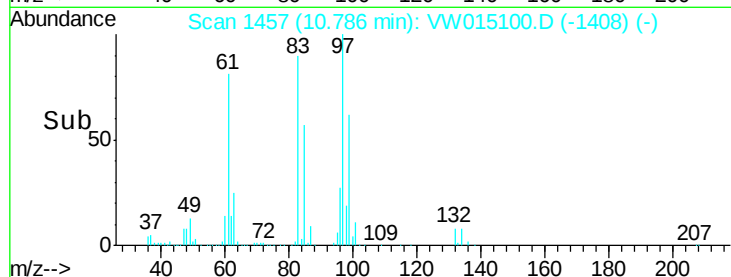
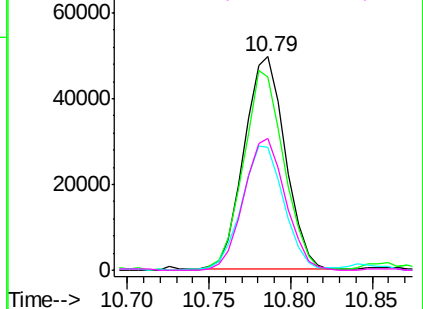


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 19.16 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

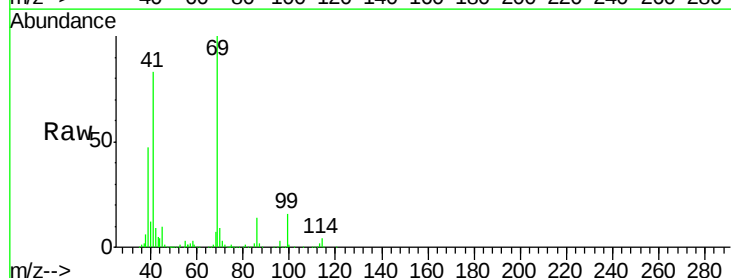
Tgt Ion: 69 Resp: 110904

Ion Ratio Lower Upper

69 100

41 84.8 65.8 98.6

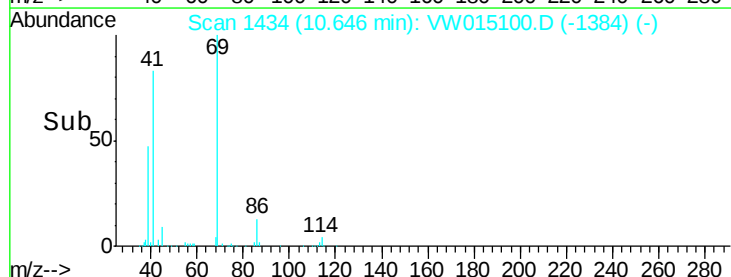
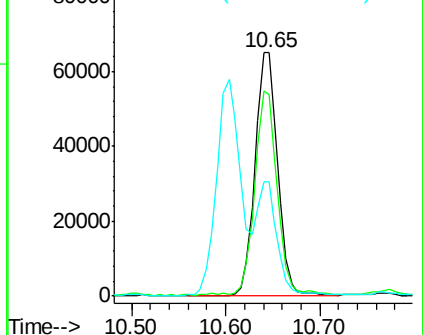
39 40.5 31.2 46.8

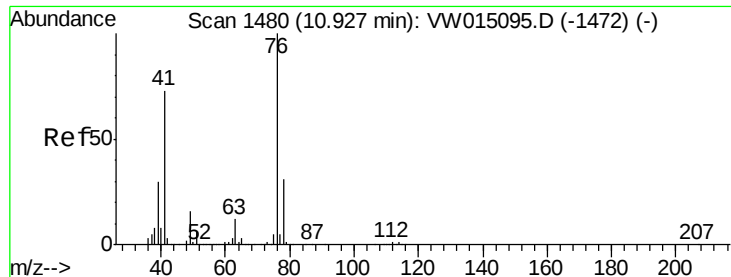


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

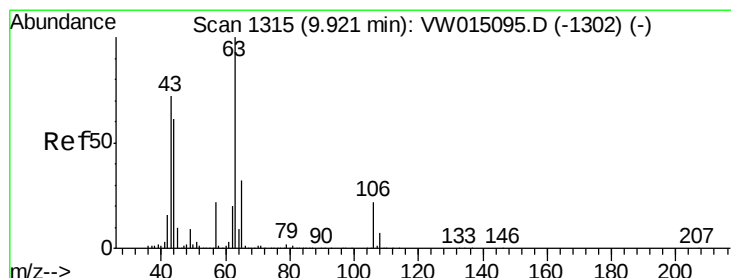
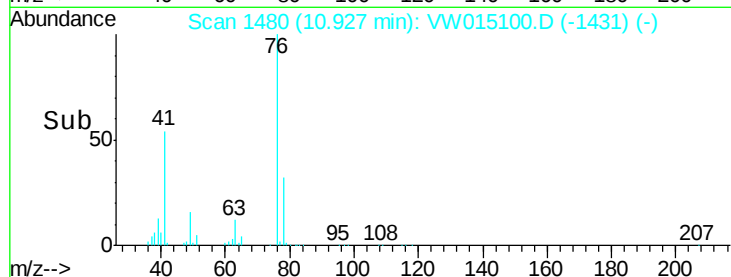
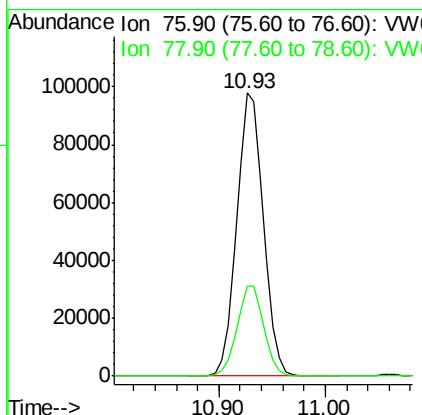
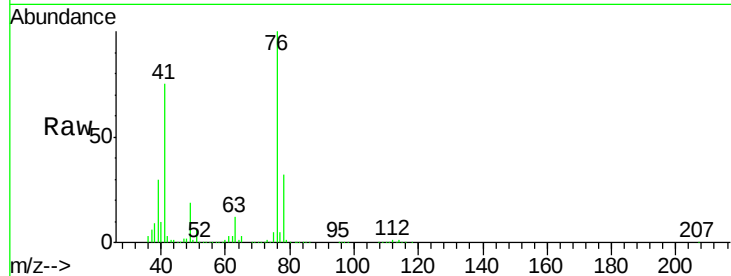




#57
 1,3-Dichloropropane
 Concen: 20.95 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

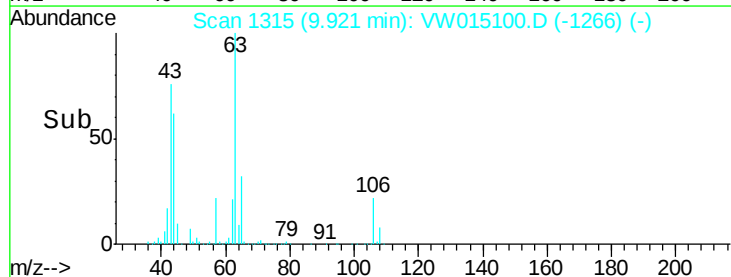
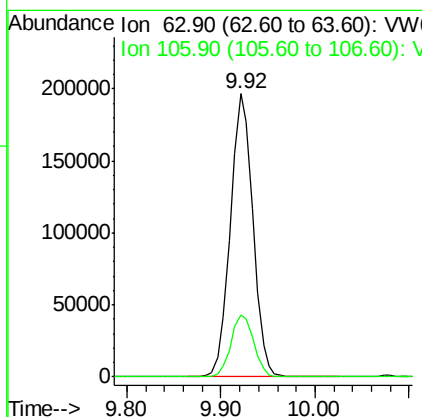
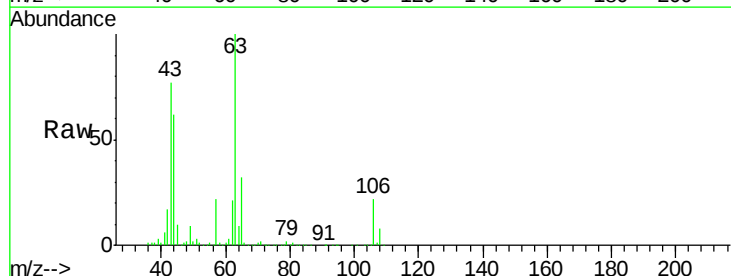
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

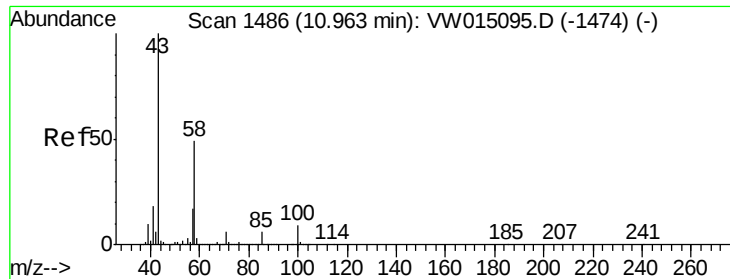
Tgt Ion: 76 Resp: 171893
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.05 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 63 Resp: 326409
 Ion Ratio Lower Upper
 63 100
 106 22.4 18.0 27.0

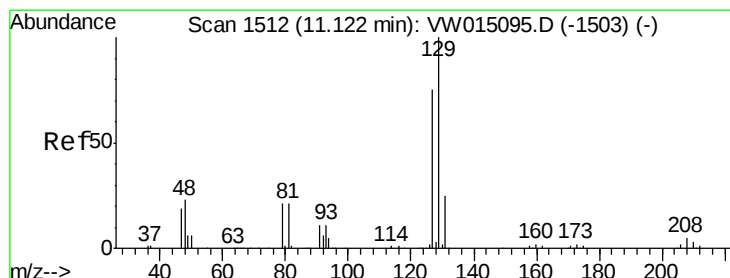
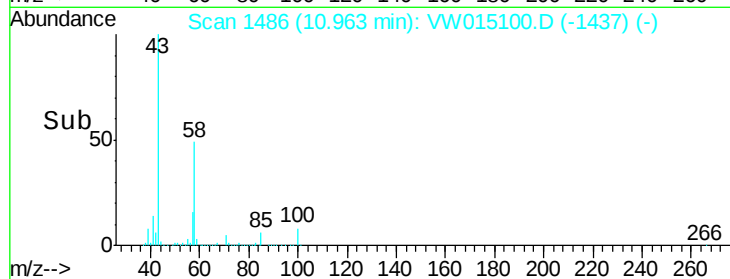
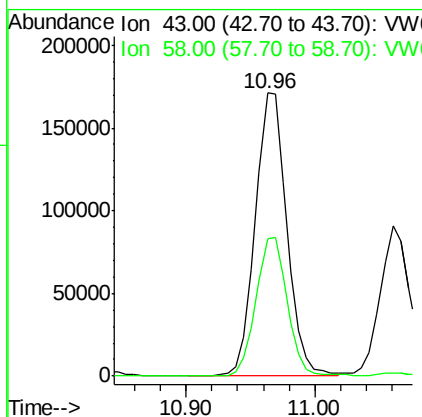
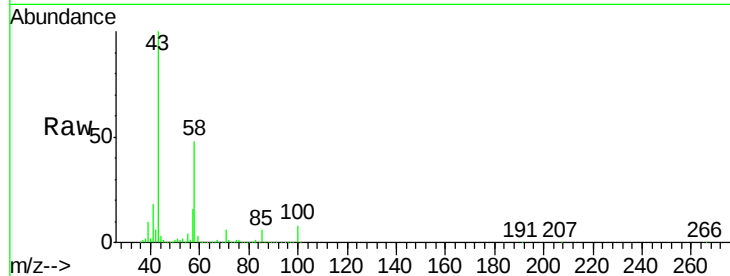




#59
2-Hexanone
Concen: 91.01 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

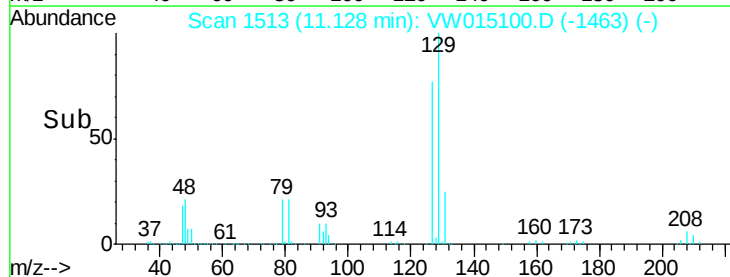
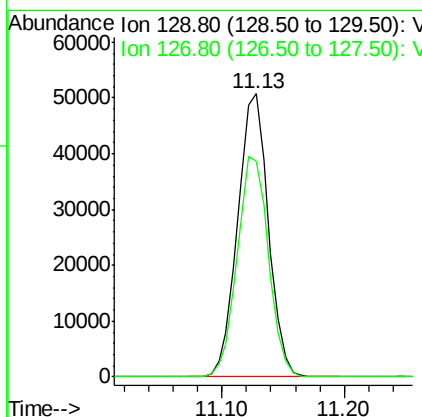
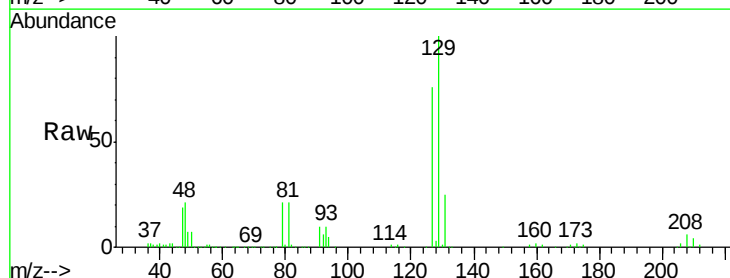
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

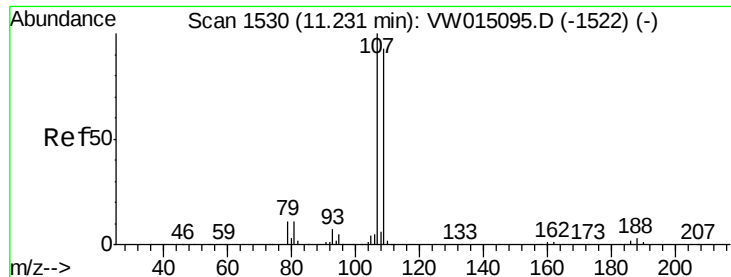
Tgt Ion: 43 Resp: 288883
Ion Ratio Lower Upper
43 100
58 48.8 24.6 73.8



#60
Dibromochloromethane
Concen: 19.83 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 129 Resp: 88273
Ion Ratio Lower Upper
129 100
127 79.3 38.7 116.1

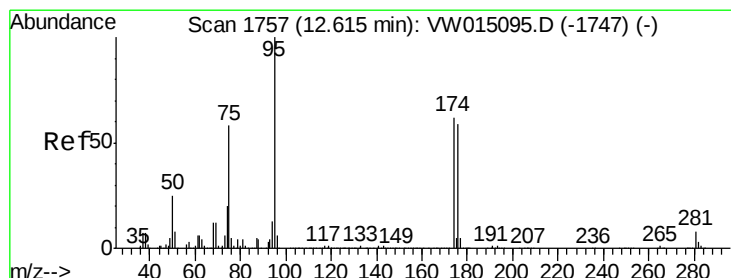
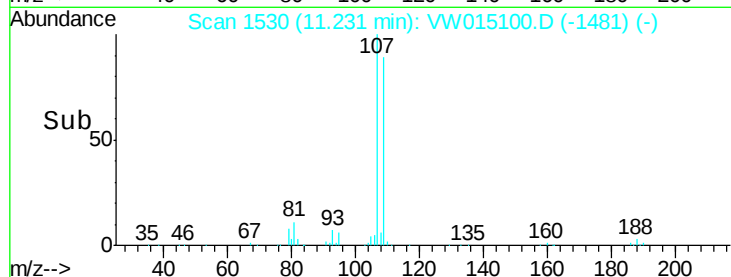
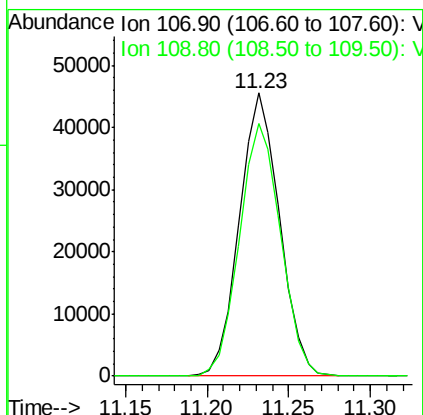
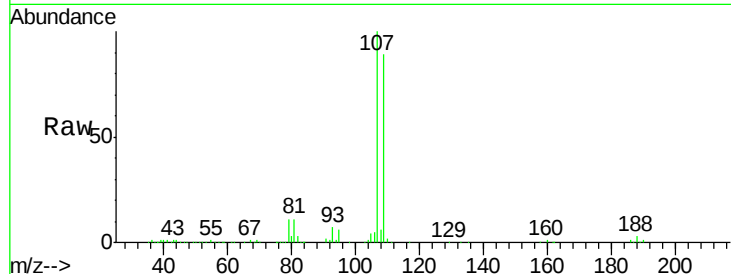




#61
1,2-Dibromoethane
Concen: 20.43 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

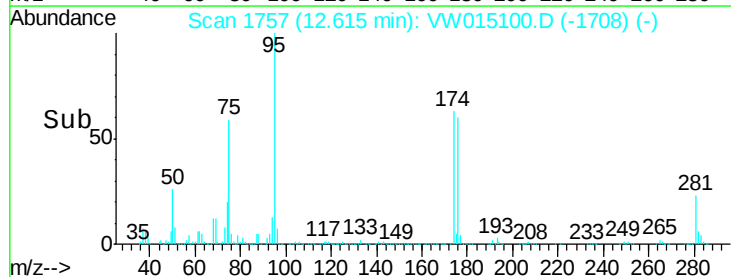
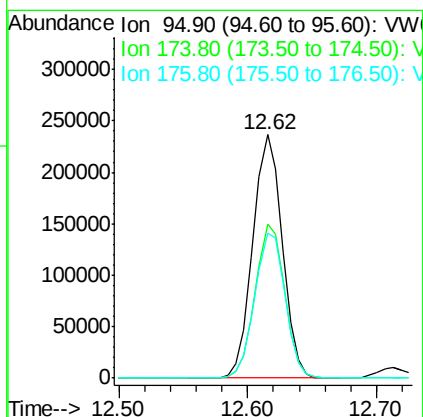
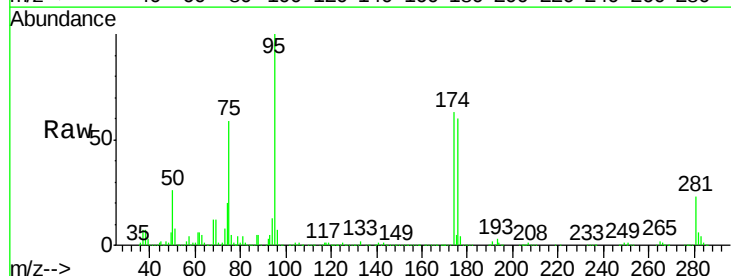
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

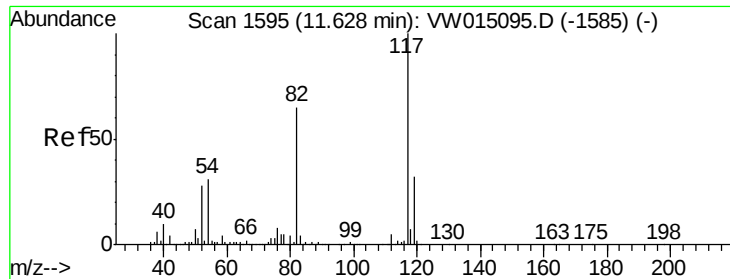
Tgt Ion: 107 Resp: 78037
Ion Ratio Lower Upper
107 100
109 91.7 75.3 112.9



#62
4-Bromofluorobenzene
Concen: 53.65 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 95 Resp: 372344
Ion Ratio Lower Upper
95 100
174 63.6 0.0 126.8
176 61.8 0.0 121.6

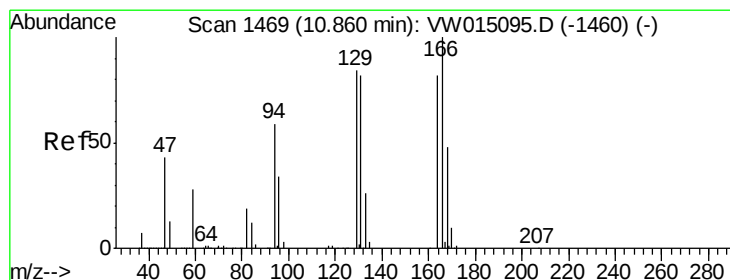
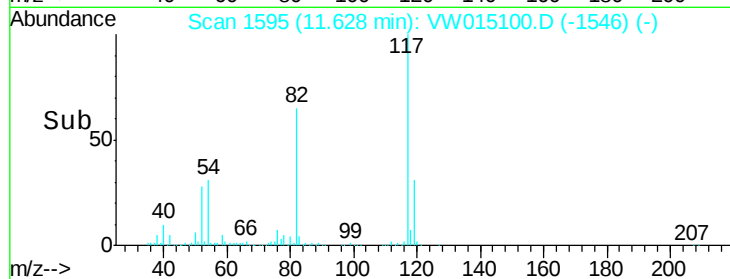
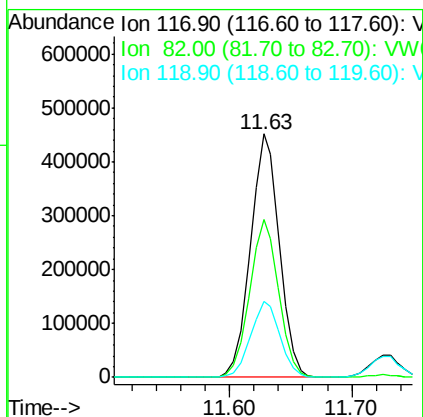
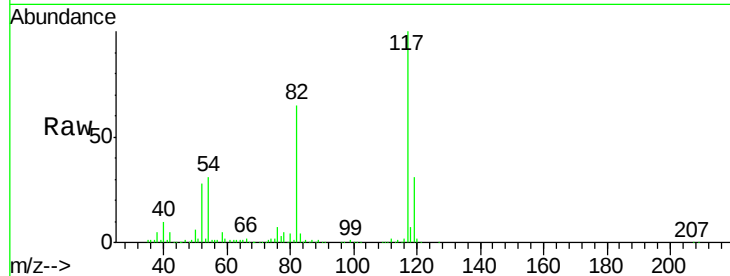




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

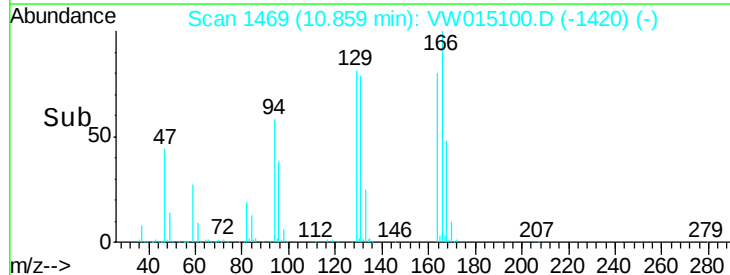
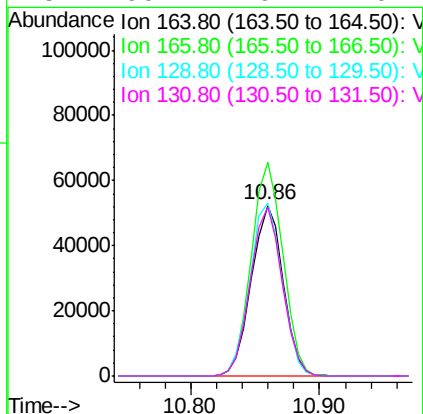
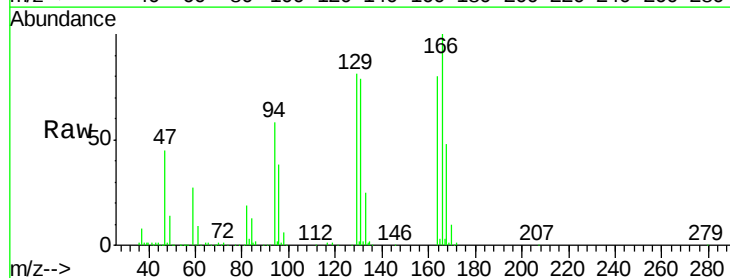
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

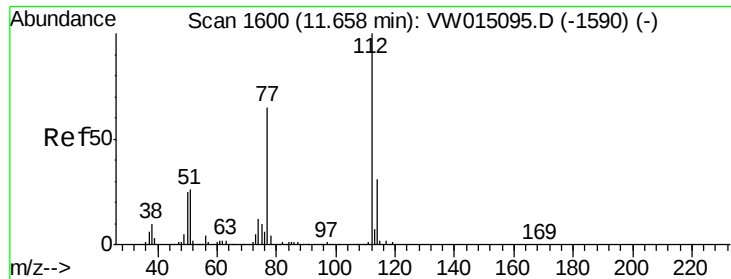
Tgt Ion:117 Resp: 741696
Ion Ratio Lower Upper
117 100
82 64.6 52.2 78.2
119 31.0 25.4 38.0



#64
Tetrachloroethene
Concen: 20.75 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion:164 Resp: 88802
Ion Ratio Lower Upper
164 100
166 125.3 97.0 145.6
129 101.5 81.2 121.8
131 99.2 79.4 119.2

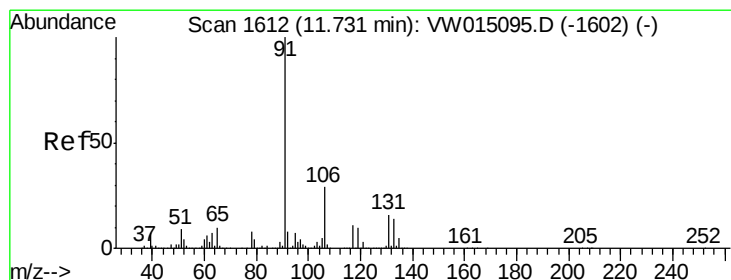
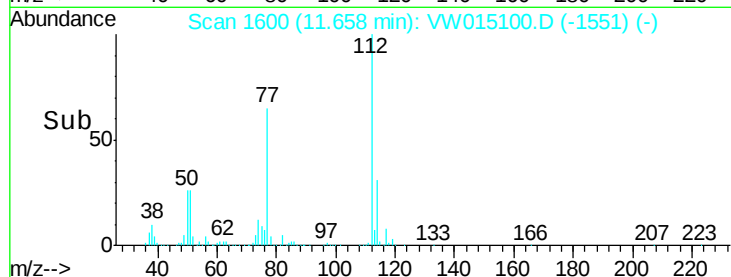
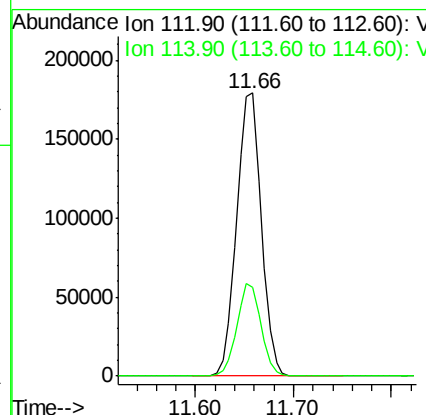
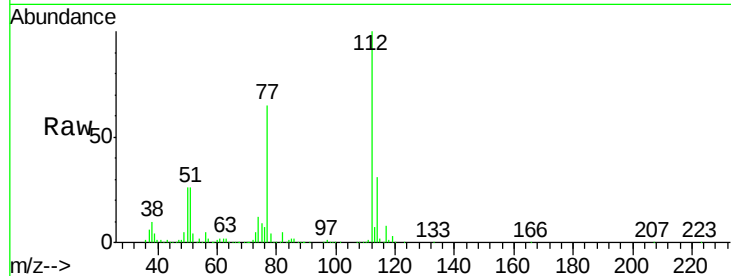




#65
Chlorobenzene
Concen: 21.05 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

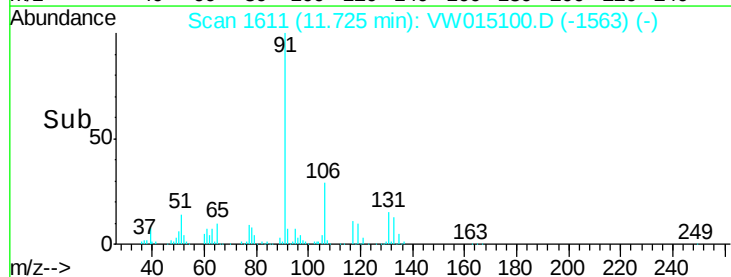
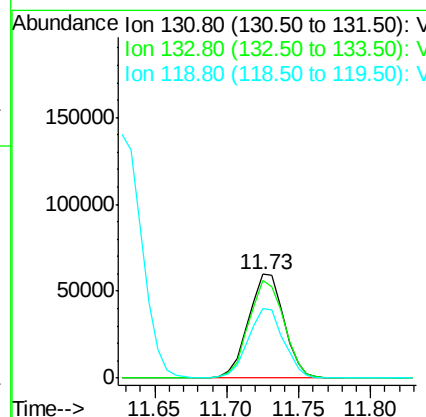
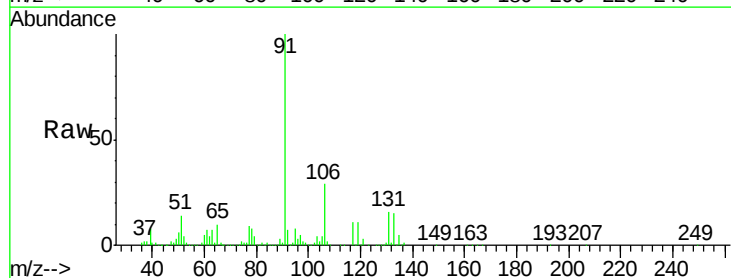
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

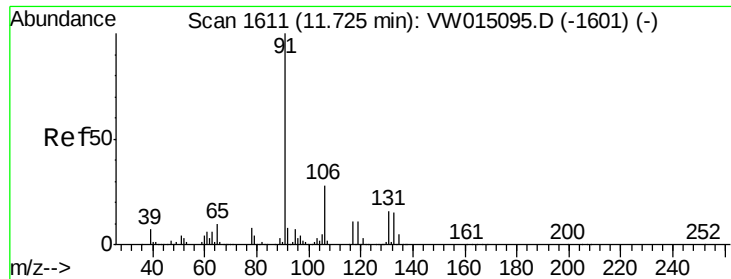
Tgt Ion:112 Resp: 313377
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.50 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion:131 Resp: 101606
Ion Ratio Lower Upper
131 100
133 94.1 47.3 141.8
119 67.5 34.0 101.8

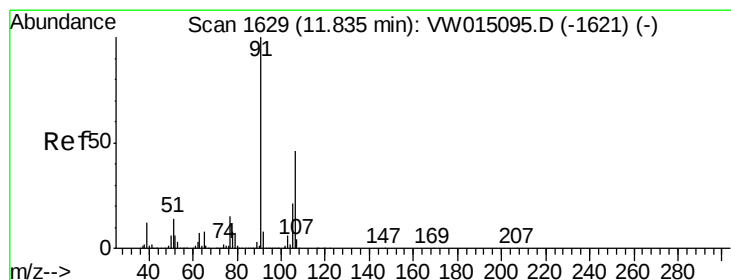
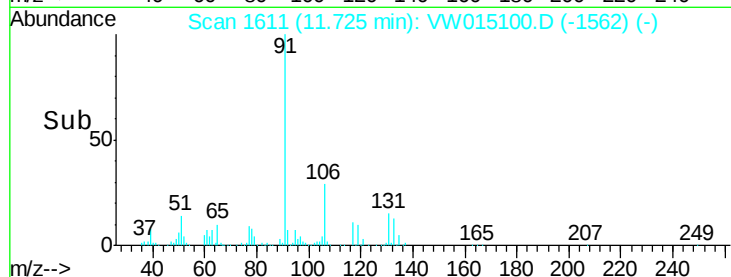
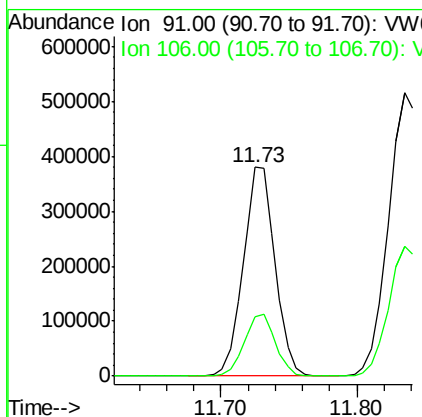
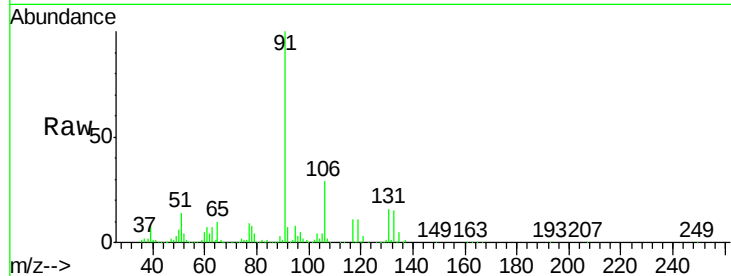




#67
Ethyl Benzene
Concen: 21.39 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

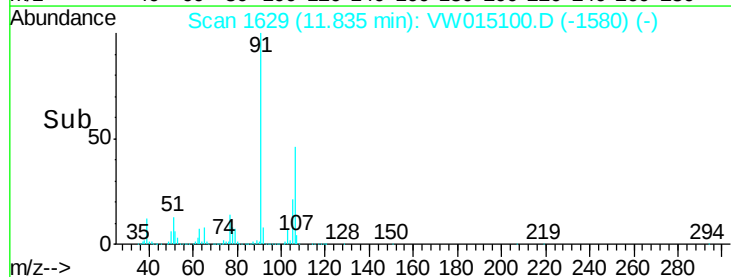
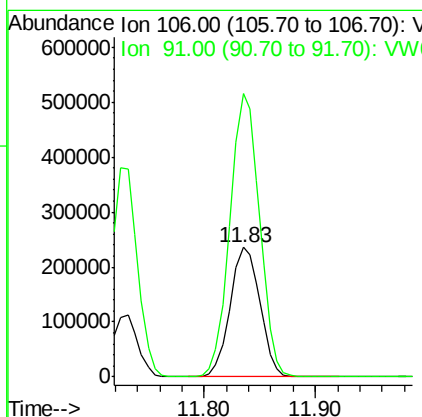
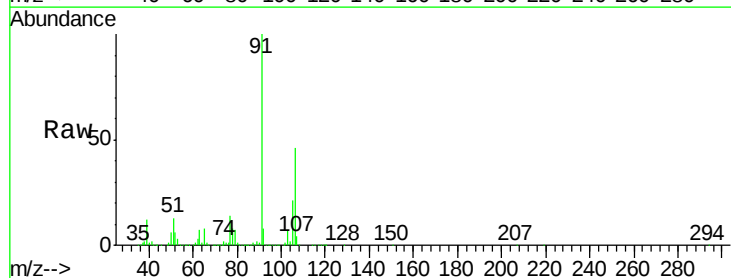
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

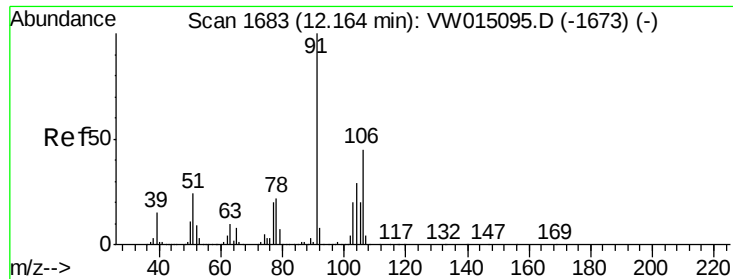
Tgt Ion: 91 Resp: 619548
Ion Ratio Lower Upper
91 100
106 28.6 22.8 34.2



#68
m/p-Xylenes
Concen: 42.79 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion: 106 Resp: 438252
Ion Ratio Lower Upper
106 100
91 216.0 172.3 258.5

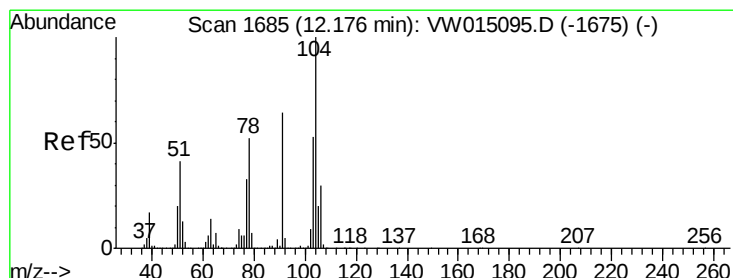
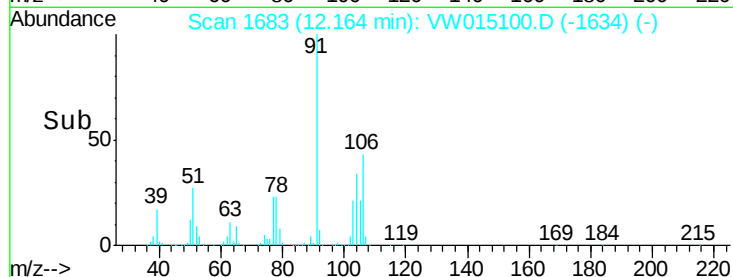
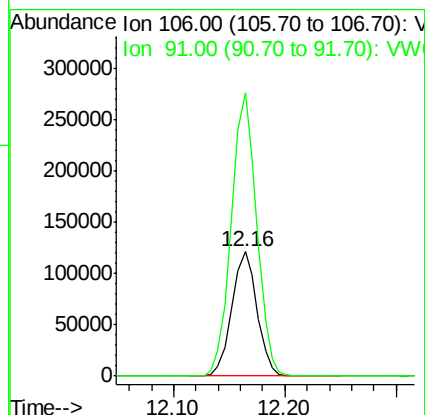
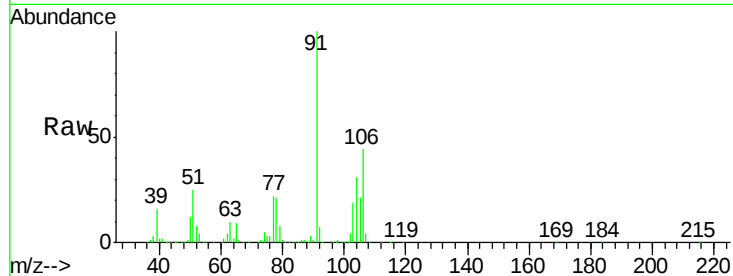




#69
o-Xylene
Concen: 20.64 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

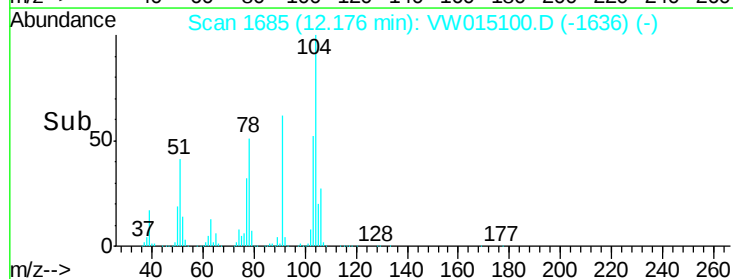
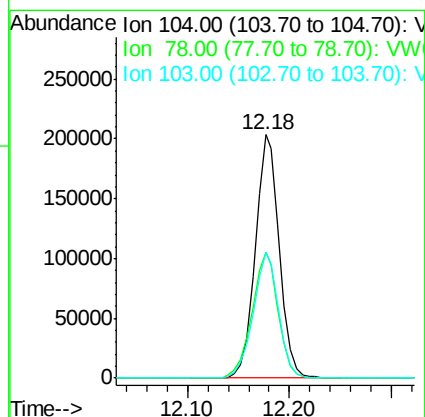
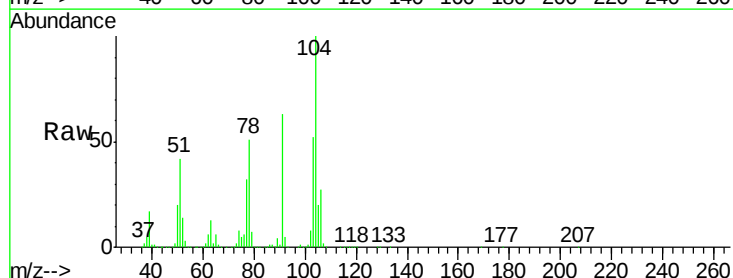
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

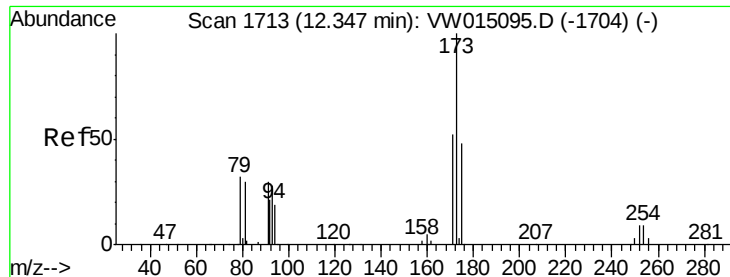
Tgt Ion:106 Resp: 190453
Ion Ratio Lower Upper
106 100
91 229.0 112.6 337.8



#70
Styrene
Concen: 21.07 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion:104 Resp: 333073
Ion Ratio Lower Upper
104 100
78 56.0 44.7 67.1
103 54.7 44.7 67.1





#71

Bromoform

Concen: 19.47 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

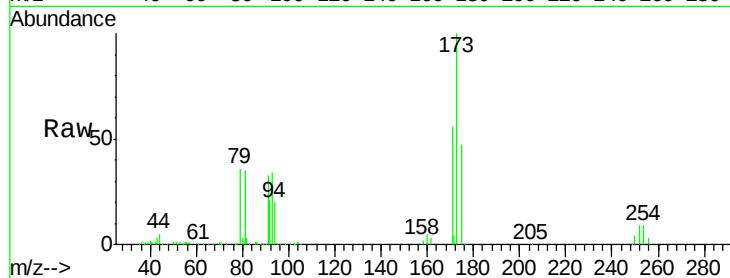
Tgt Ion:173 Resp: 42843

Ion Ratio Lower Upper

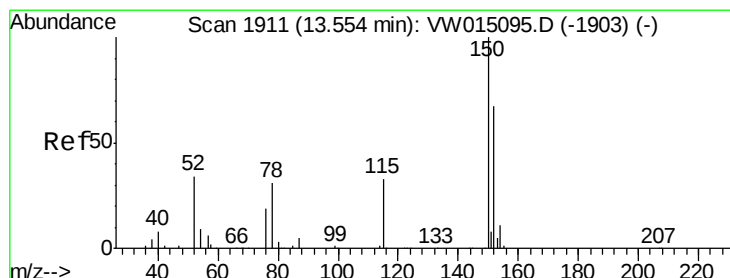
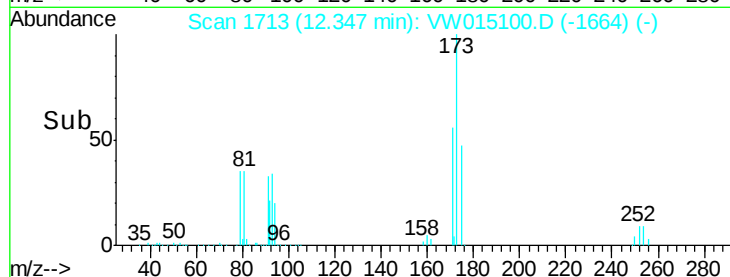
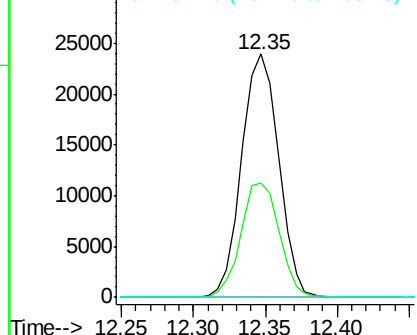
173 100

175 48.8 23.8 71.4

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

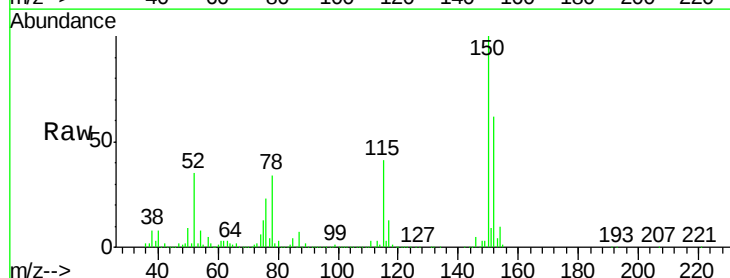
Tgt Ion:152 Resp: 325169

Ion Ratio Lower Upper

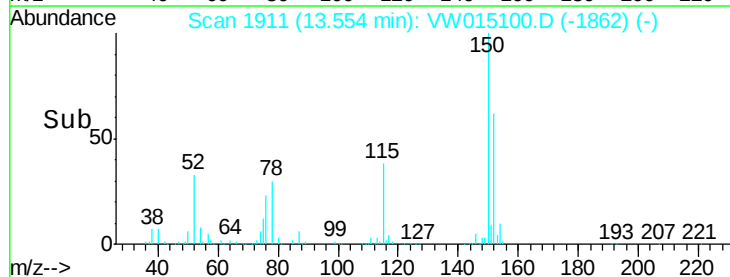
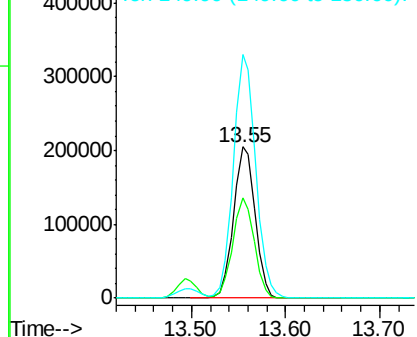
152 100

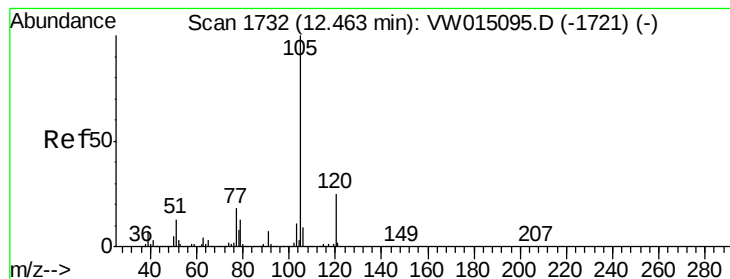
115 66.3 33.3 99.9

150 166.3 0.0 351.2



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





#73

Isopropylbenzene

Concen: 21.82 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

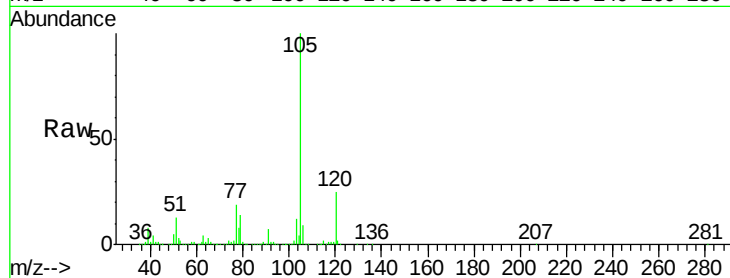
VW0309SBS01

Tgt Ion: 105 Resp: 541971

Ion Ratio Lower Upper

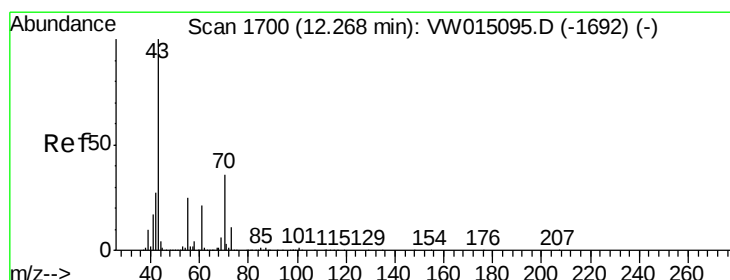
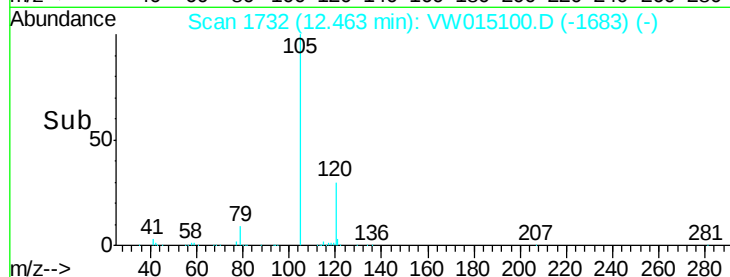
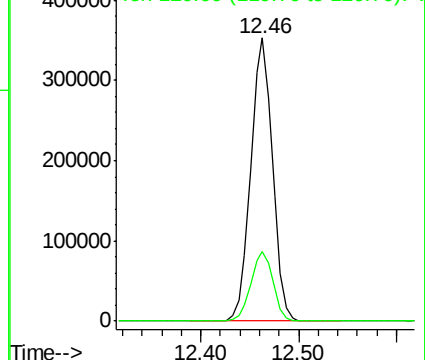
105 100

120 24.9 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.75 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Tgt Ion: 43 Resp: 148254

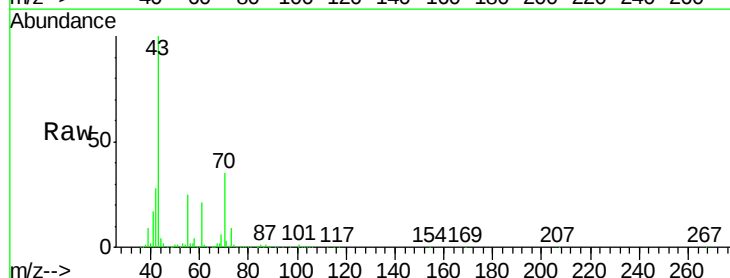
Ion Ratio Lower Upper

43 100

70 35.6 29.4 44.2

55 26.3 20.3 30.5

61 21.6 17.1 25.7

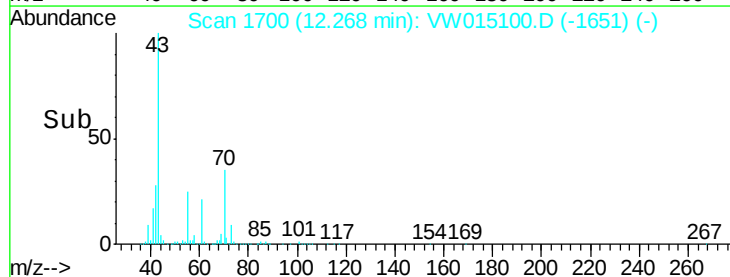
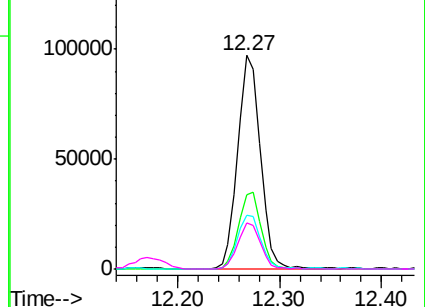


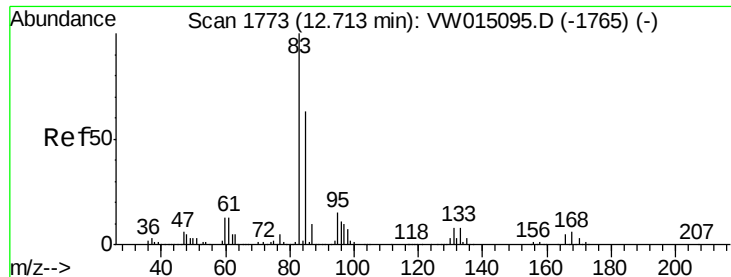
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 20.78 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

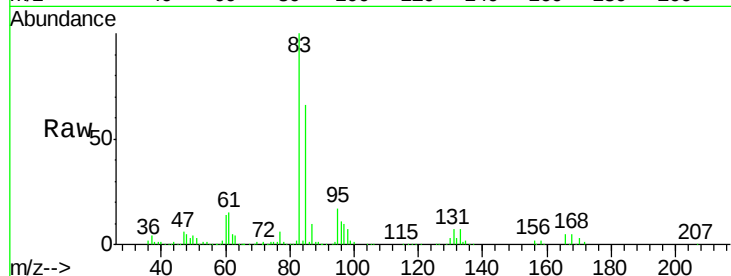
Tgt Ion: 83 Resp: 104797

Ion Ratio Lower Upper

83 100

131 9.0 4.3 13.1

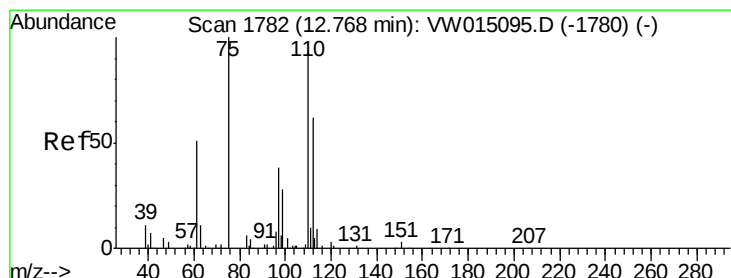
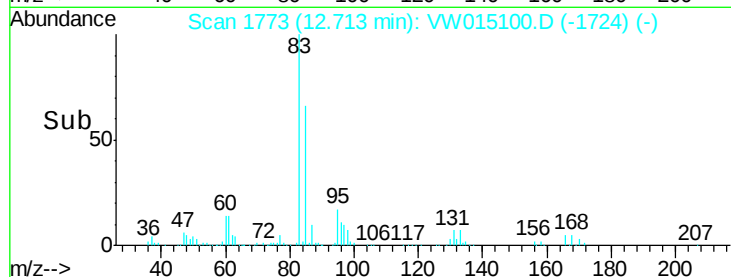
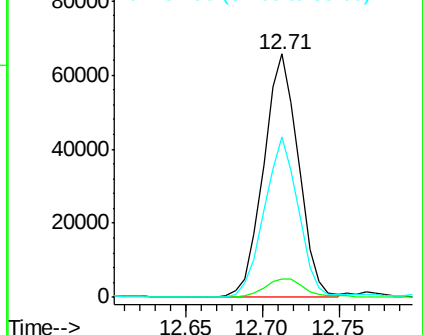
85 64.5 31.5 94.5



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: 37.44 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015100.D

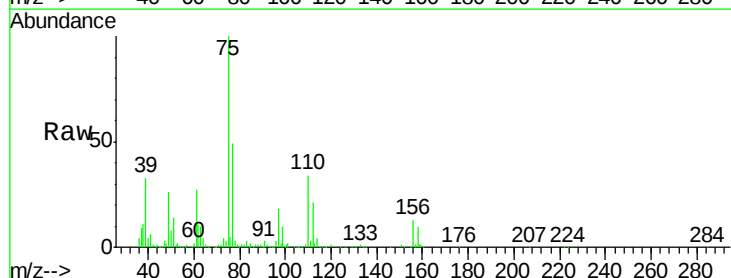
Acq: 09 Mar 2020 16:31

Tgt Ion: 75 Resp: 137600

Ion Ratio Lower Upper

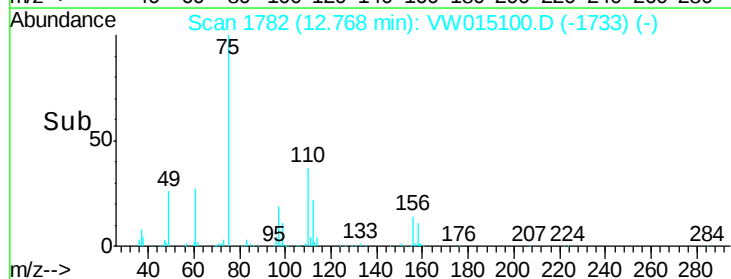
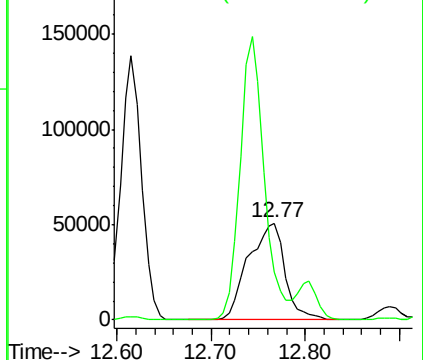
75 100

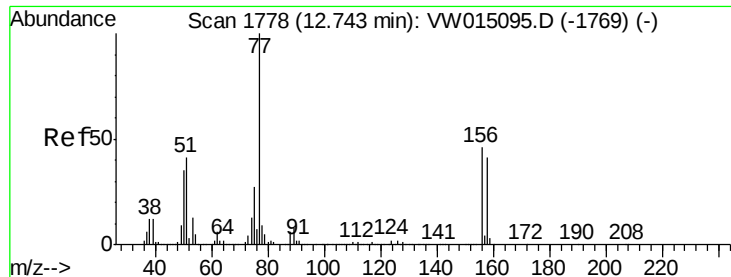
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.57 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

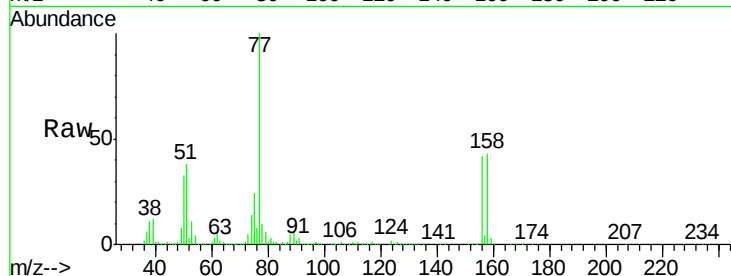
Tgt Ion: 156 Resp: 105891

Ion Ratio Lower Upper

156 100

77 253.1 126.6 379.8

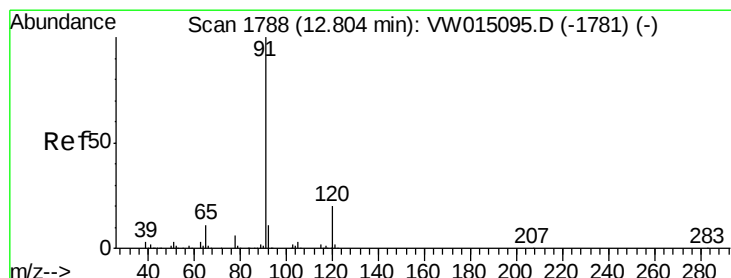
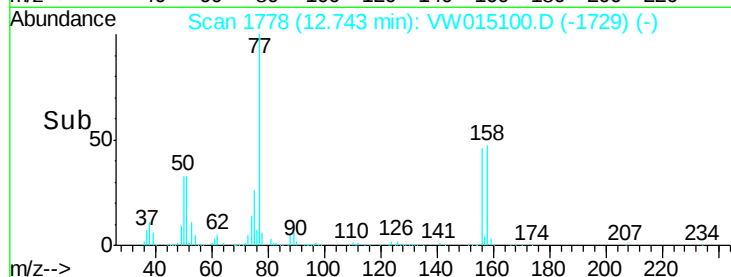
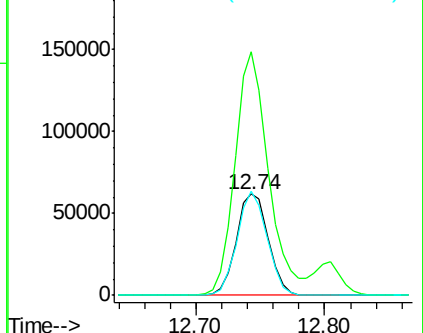
158 96.1 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.16 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015100.D

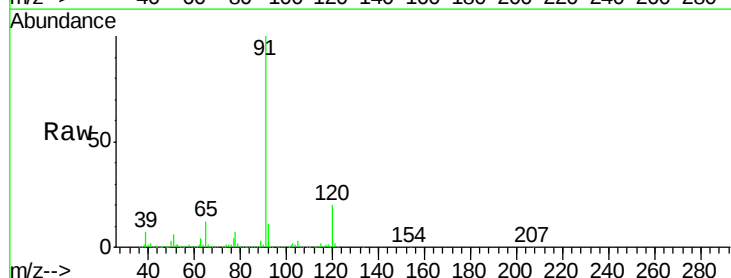
Acq: 09 Mar 2020 16:31

Tgt Ion: 91 Resp: 715268

Ion Ratio Lower Upper

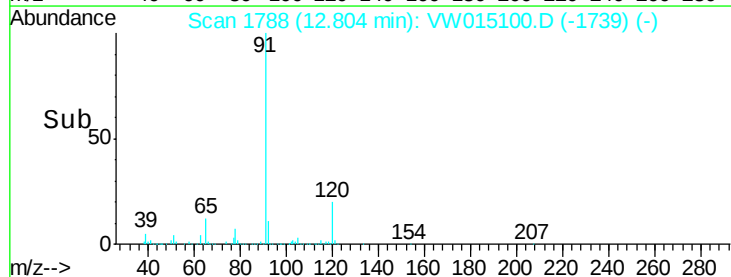
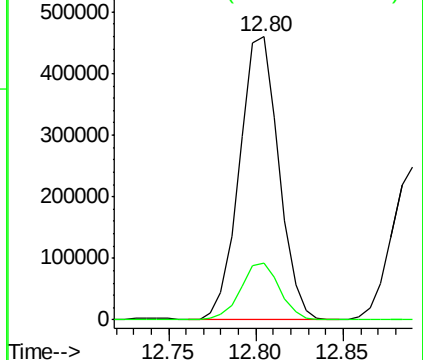
91 100

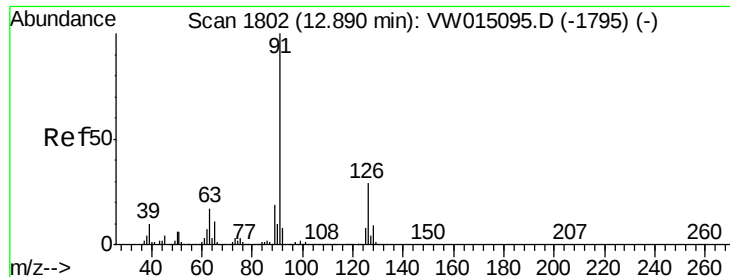
120 20.1 10.2 30.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

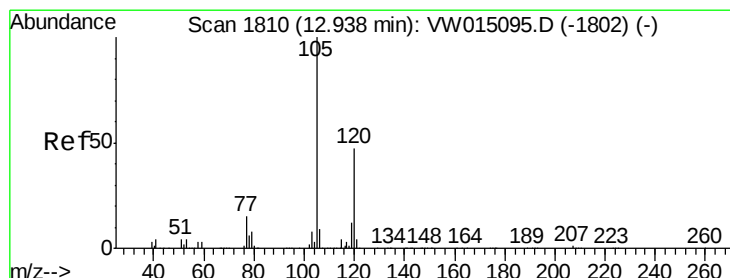
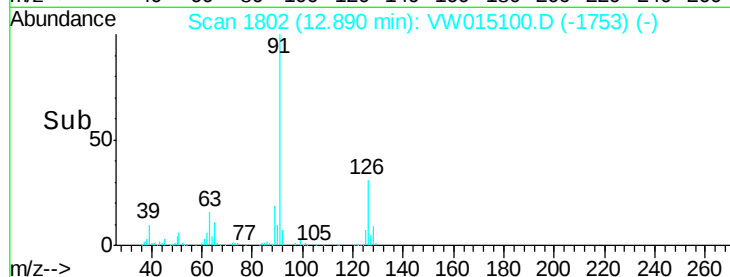
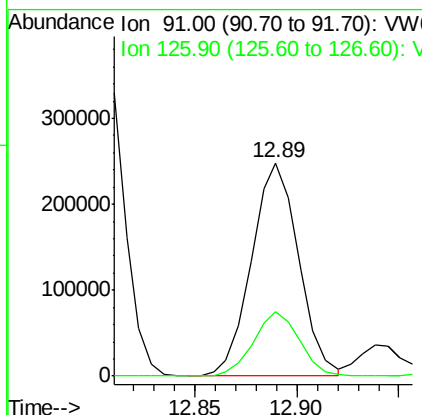
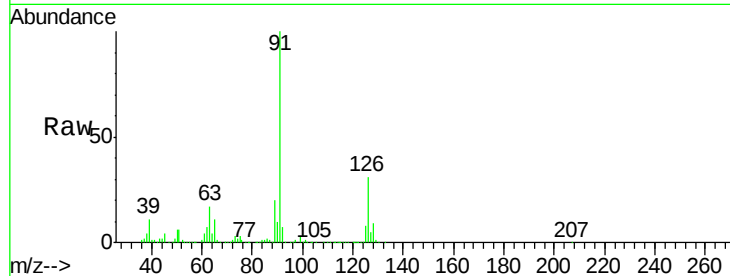




#79
 2-Chlorotoluene
 Concen: 21.92 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

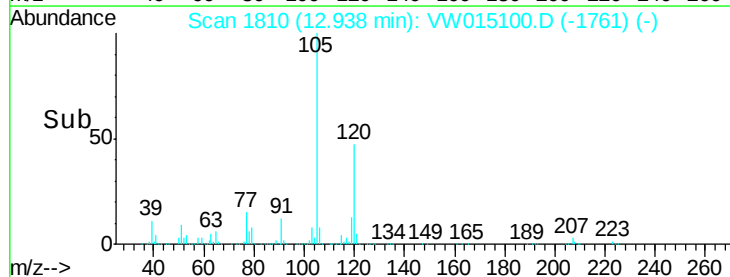
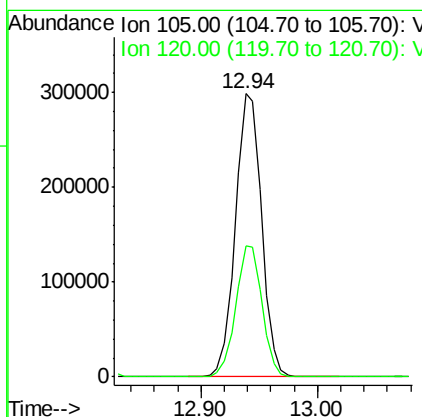
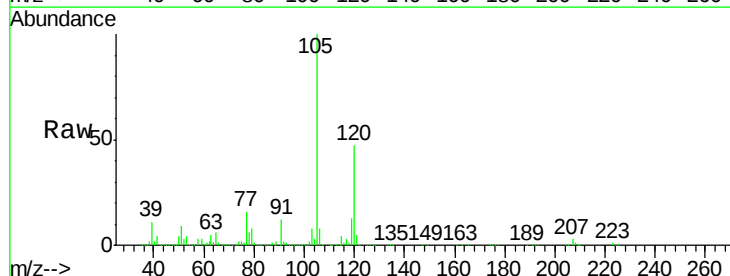
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

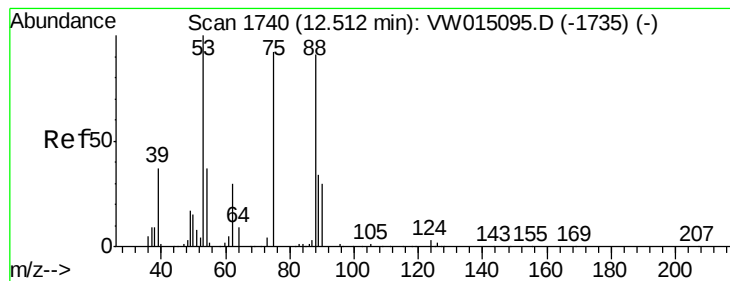
Tgt Ion: 91 Resp: 397834
 Ion Ratio Lower Upper
 91 100
 126 29.5 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 21.84 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 105 Resp: 466375
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.02 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

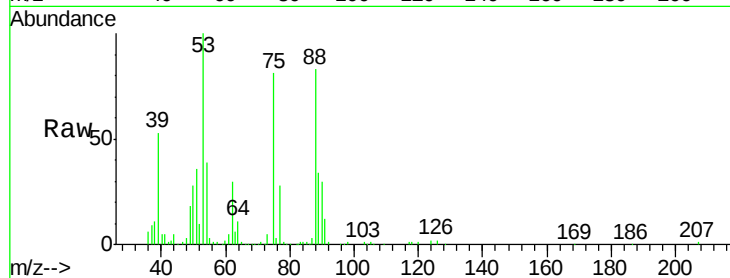
Tgt Ion: 75 Resp: 30948

Ion Ratio Lower Upper

75 100

53 119.6 88.4 132.6

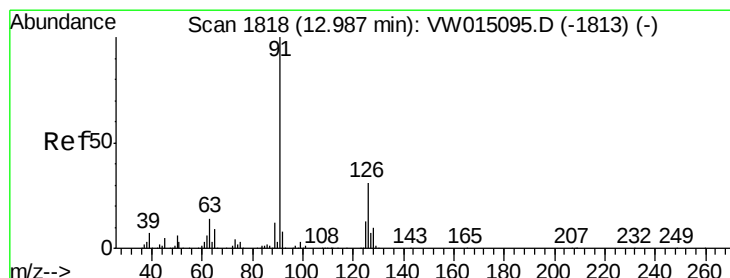
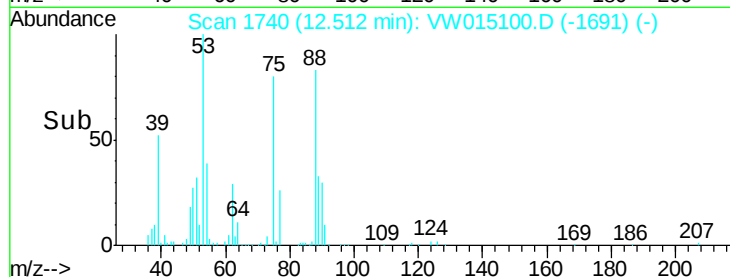
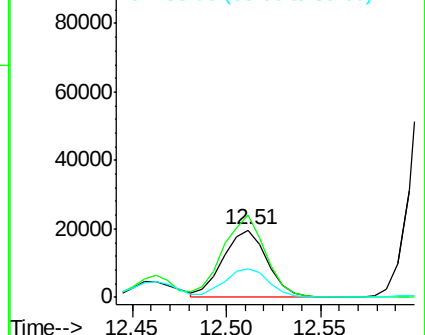
89 44.3 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.86 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW015100.D

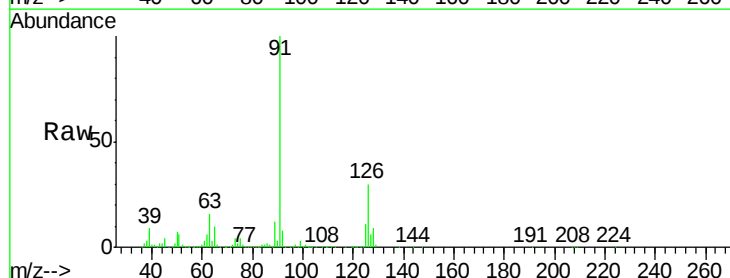
Acq: 09 Mar 2020 16:31

Tgt Ion: 91 Resp: 422451

Ion Ratio Lower Upper

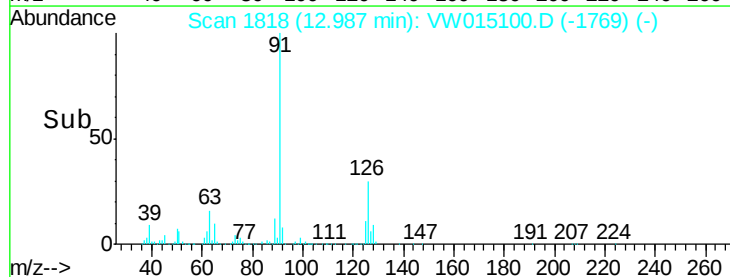
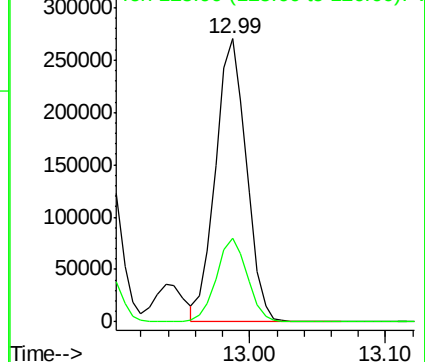
91 100

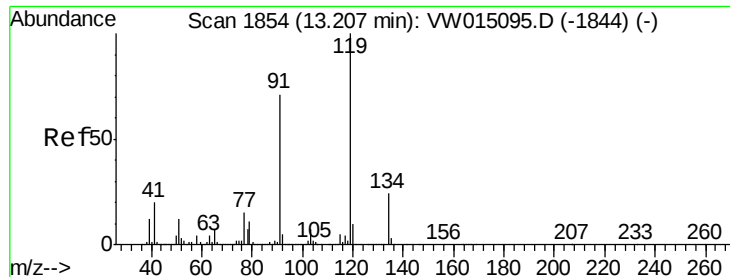
126 29.7 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

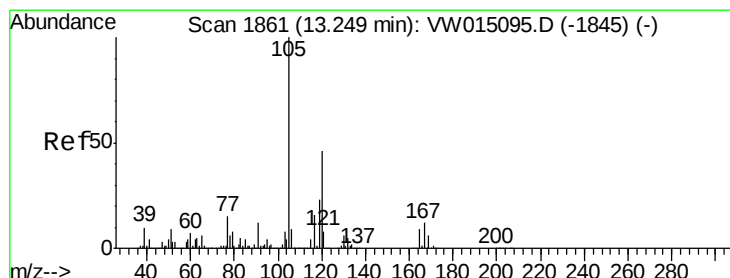
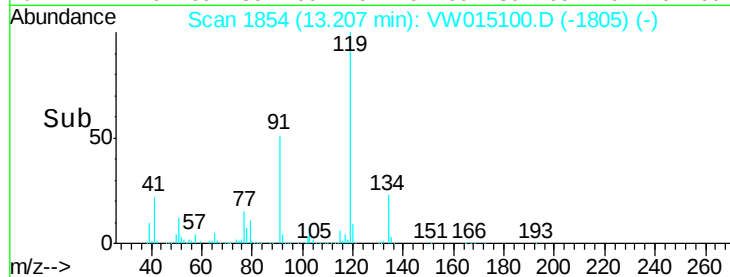
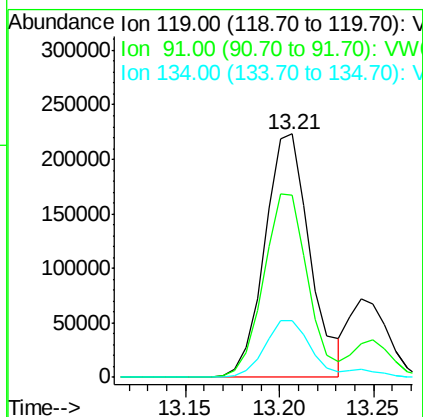
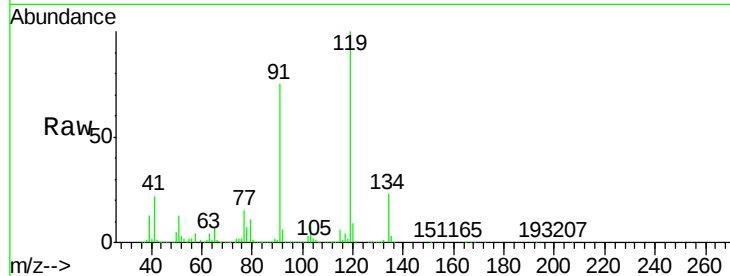




#83
 tert-Butylbenzene
 Concen: 21.51 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

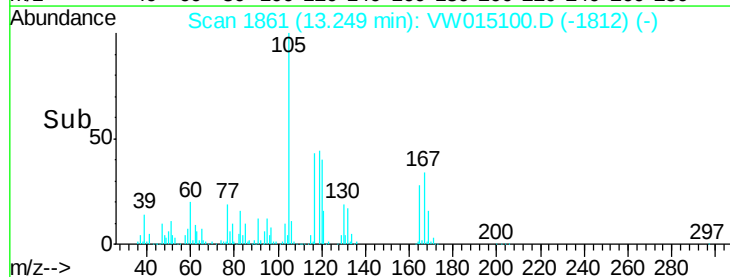
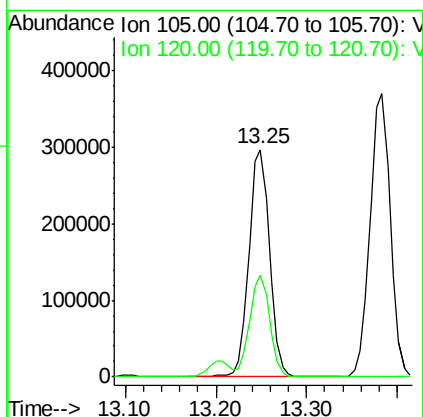
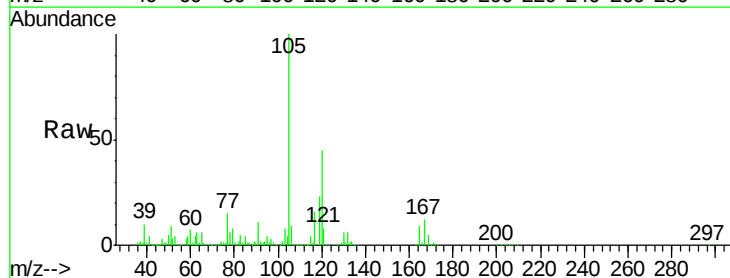
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

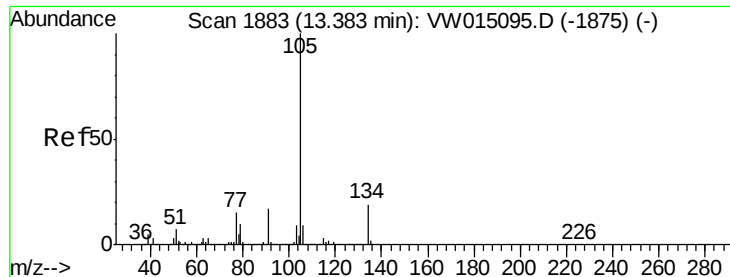
Tgt Ion:119 Resp: 372170
 Ion Ratio Lower Upper
 119 100
 91 73.3 35.7 107.1
 134 25.8 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.97 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion:105 Resp: 469194
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.1 66.3





#85

sec-Butylbenzene

Concen: 21.84 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

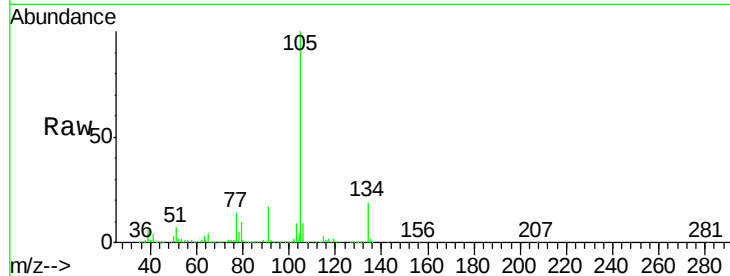
VW0309SBS01

Tgt Ion:105 Resp: 571866

Ion Ratio Lower Upper

105 100

134 18.2 9.0 27.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

400000

300000

200000

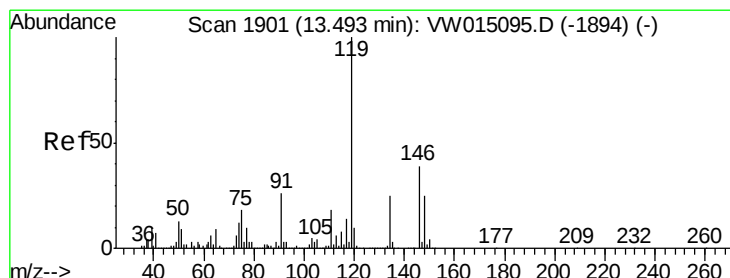
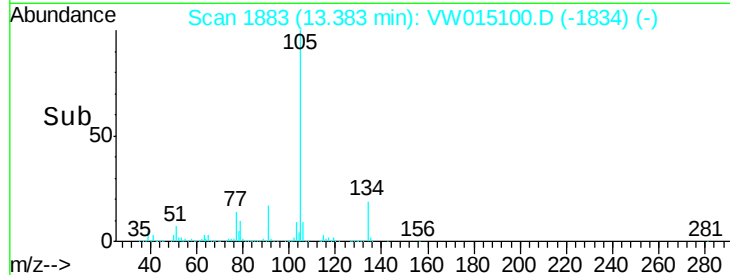
100000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 21.56 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

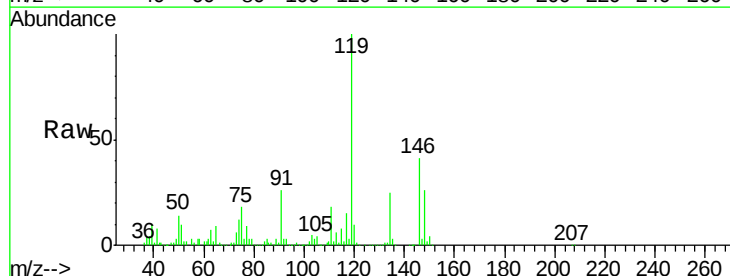
Tgt Ion:119 Resp: 485370

Ion Ratio Lower Upper

119 100

134 25.7 12.6 37.8

91 26.0 12.9 38.6



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

13.49

400000

300000

200000

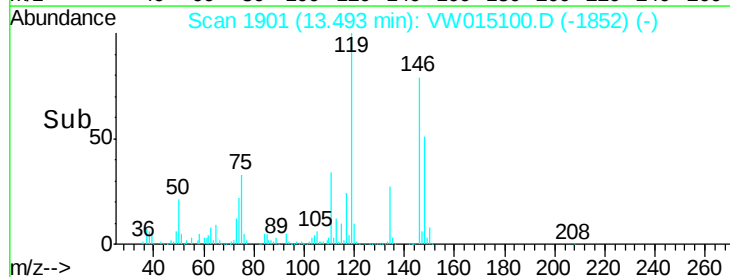
100000

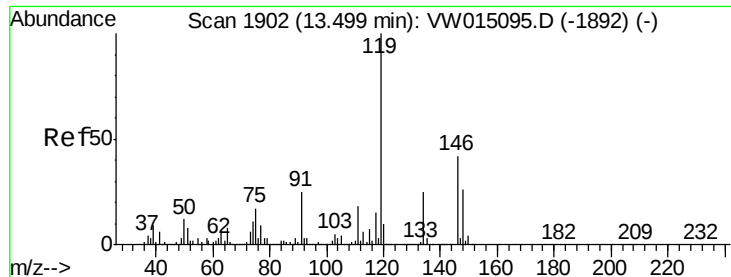
0

13.50

13.60

Time-->

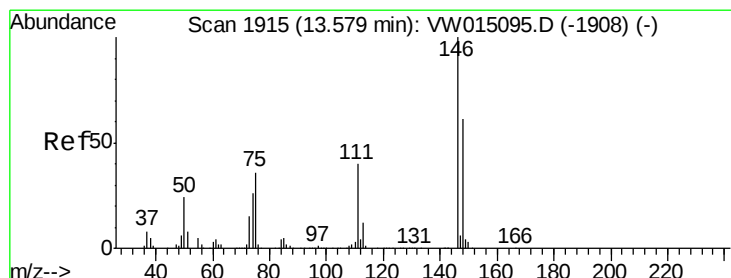
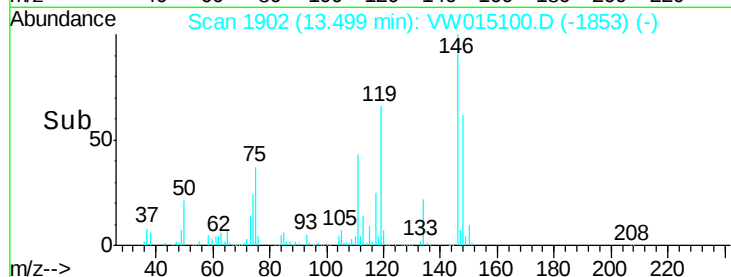
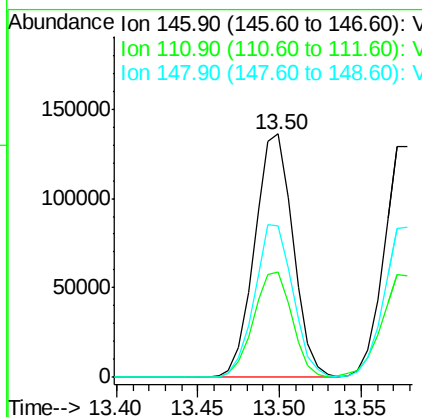
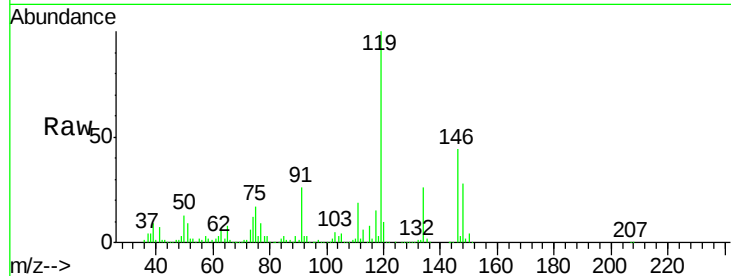




#87
 1,3-Dichlorobenzene
 Concen: 21.38 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

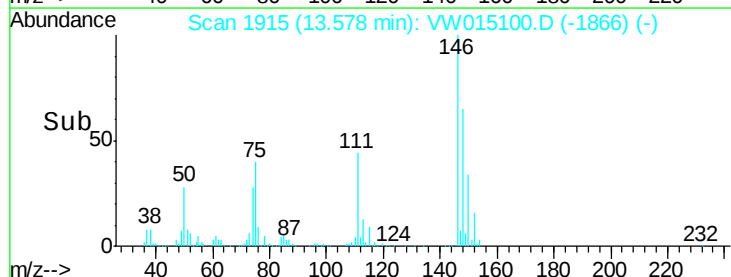
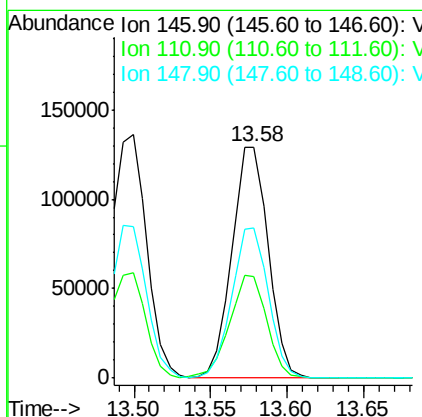
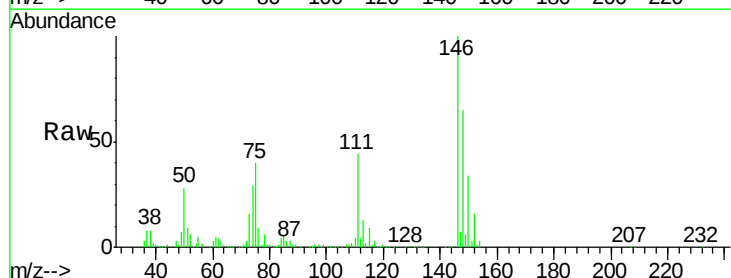
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

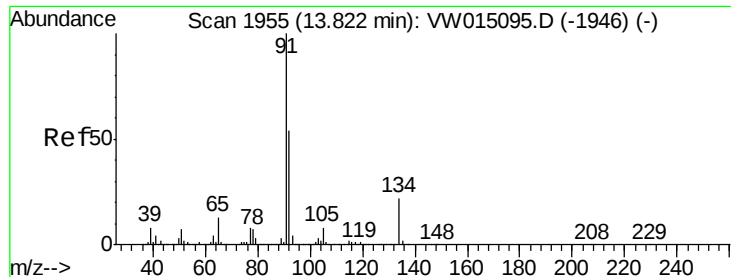
Tgt Ion:146 Resp: 222380
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.5 67.5
 148 62.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.81 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion:146 Resp: 213110
 Ion Ratio Lower Upper
 146 100
 111 45.7 21.3 63.9
 148 65.0 31.6 94.8





#89

n-Butylbenzene

Concen: 21.35 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW015100.D

Acq: 09 Mar 2020 16:31

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBS01

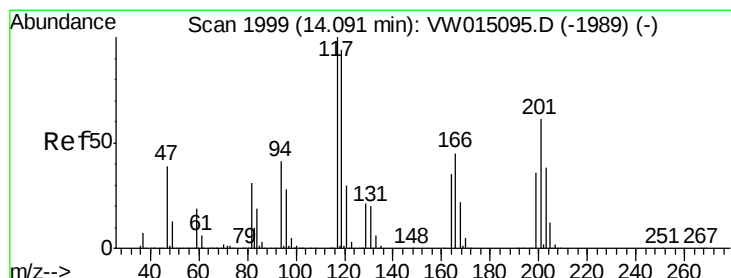
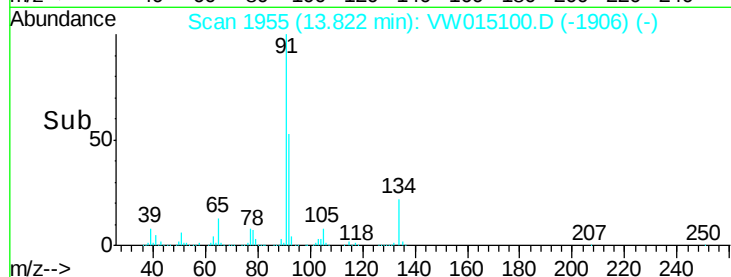
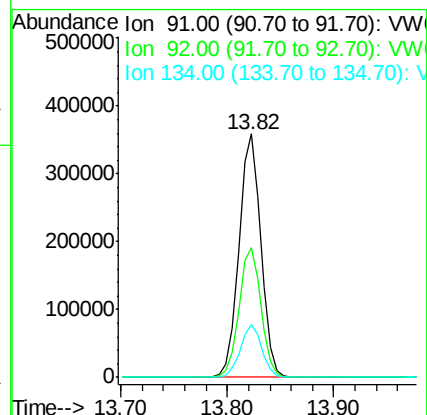
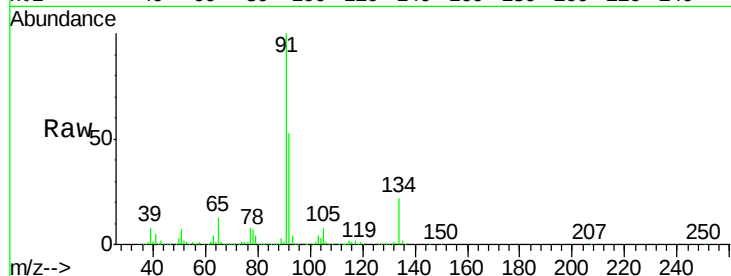
Tgt Ion: 91 Resp: 518174

Ion Ratio Lower Upper

91 100

92 53.2 26.8 80.3

134 21.2 10.8 32.4



#90

Hexachloroethane

Concen: 20.48 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW015100.D

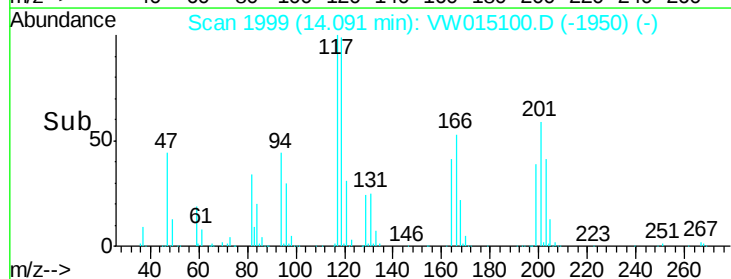
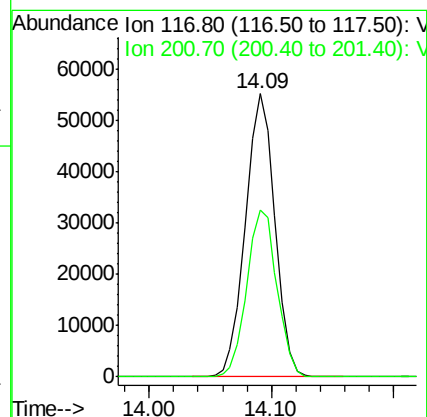
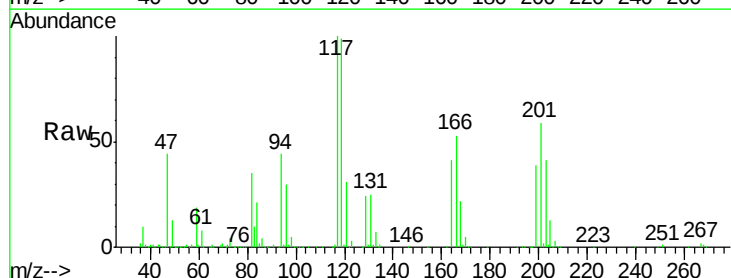
Acq: 09 Mar 2020 16:31

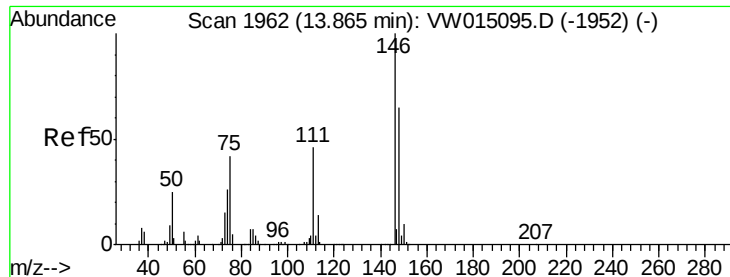
Tgt Ion: 117 Resp: 92459

Ion Ratio Lower Upper

117 100

201 60.2 30.3 90.9

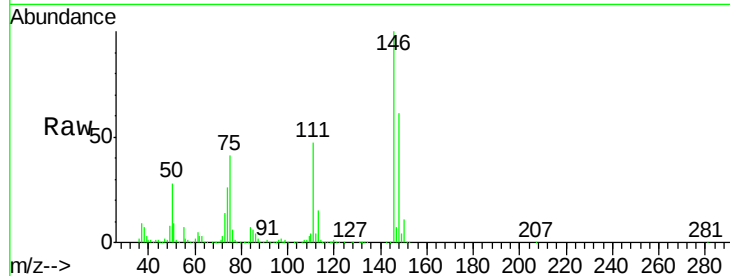




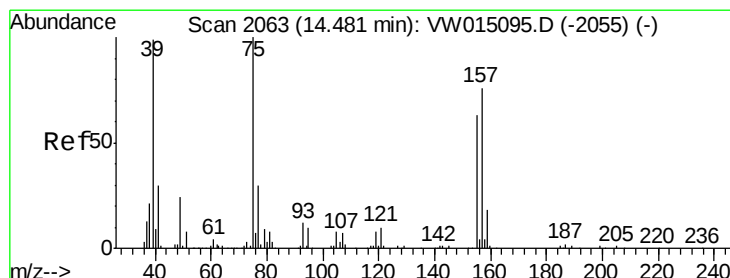
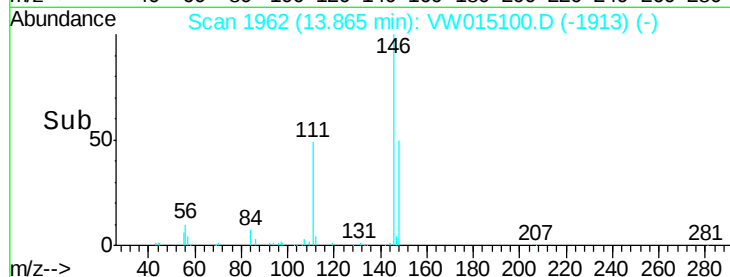
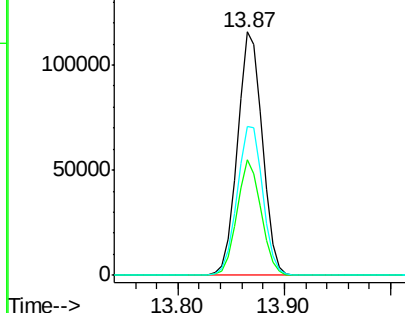
#91
 1,2-Dichlorobenzene
 Concen: 20.82 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

Tgt Ion:146 Resp: 189681
 Ion Ratio Lower Upper
 146 100
 111 46.2 23.1 69.2
 148 63.2 32.3 96.9

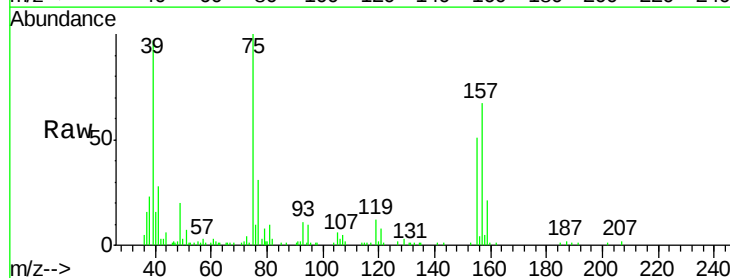


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

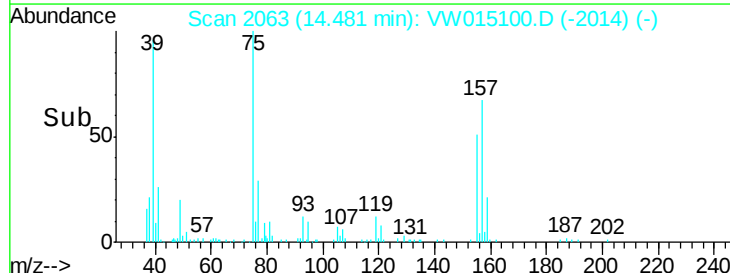
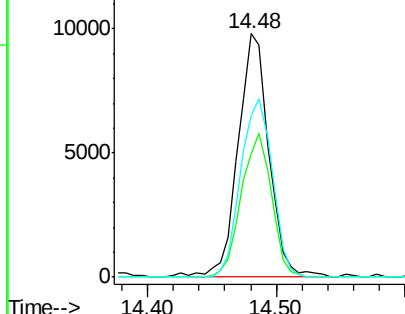


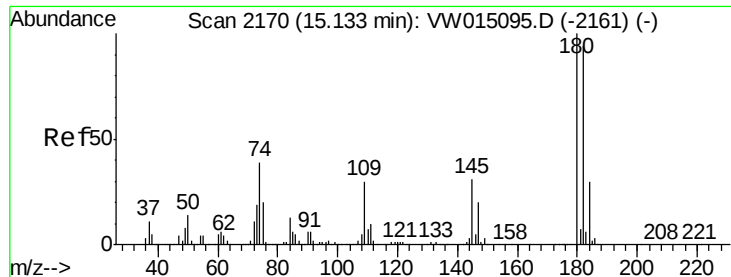
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.97 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion: 75 Resp: 16178
 Ion Ratio Lower Upper
 75 100
 155 57.8 32.1 96.3
 157 75.5 39.6 118.7



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

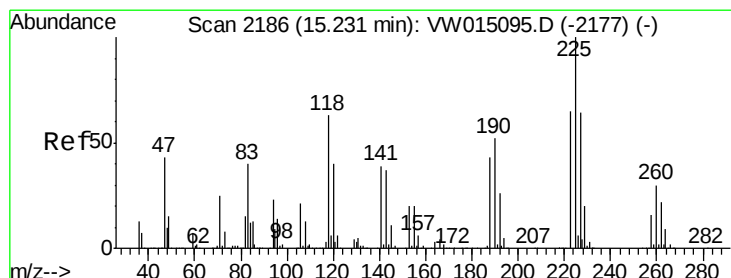
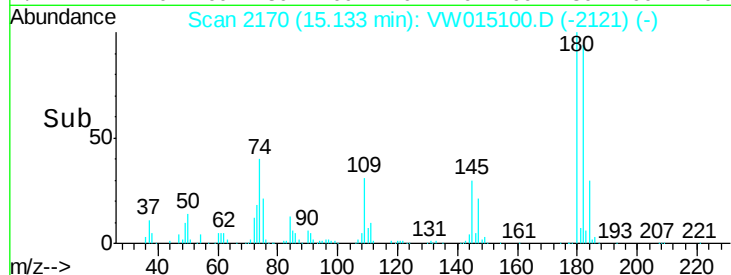
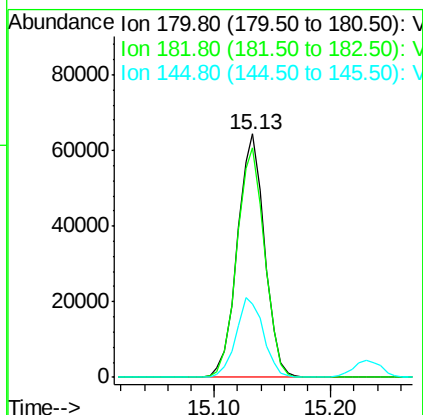
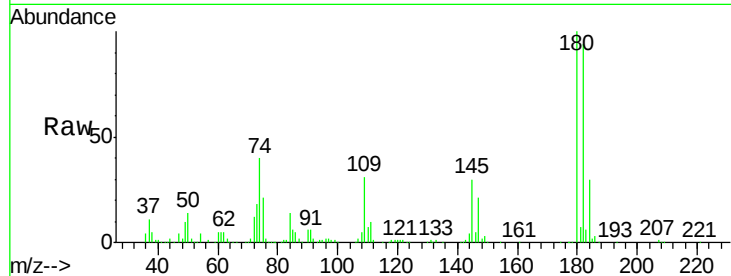




#93
 1,2,4-Trichlorobenzene
 Concen: 20.10 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

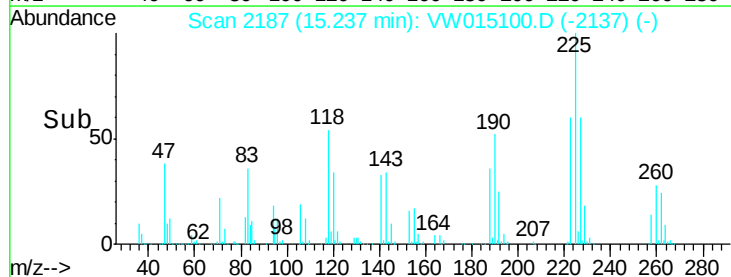
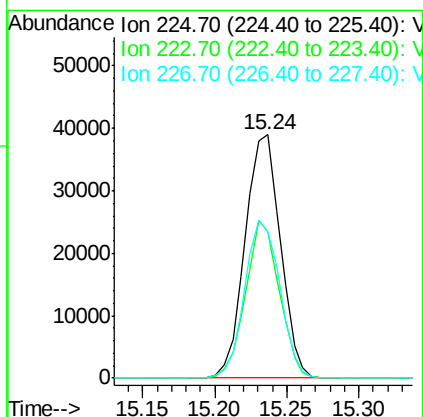
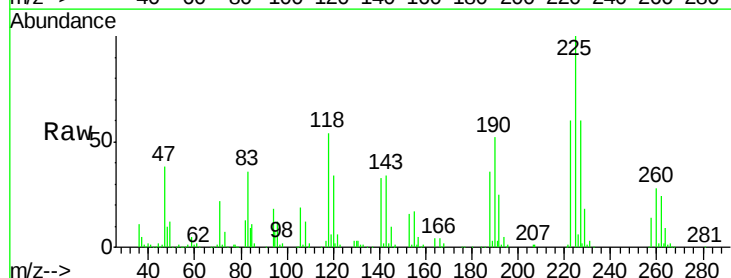
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBS01

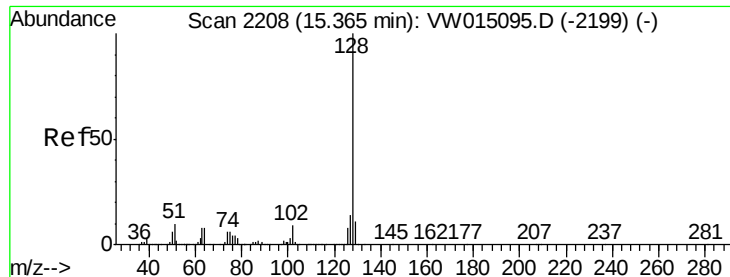
Tgt Ion:180 Resp: 104772
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.6 142.9
 145 32.8 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 20.23 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW015100.D
 Acq: 09 Mar 2020 16:31

Tgt Ion:225 Resp: 66216
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.5 97.4
 227 64.6 33.0 99.0

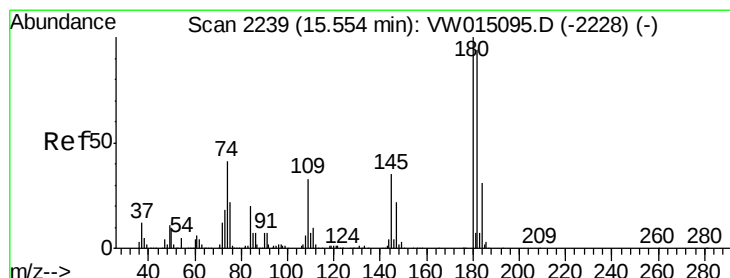
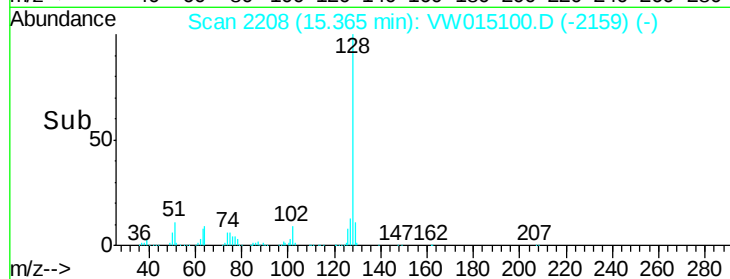
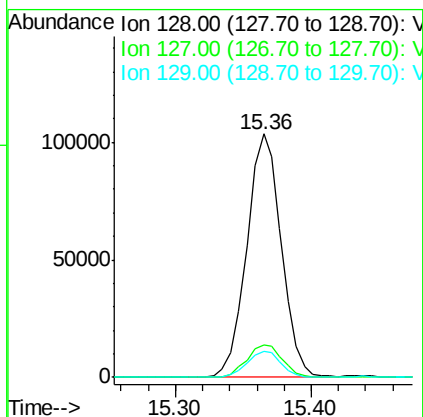
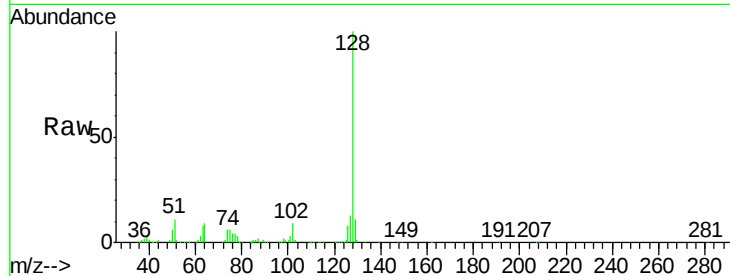




#95
Naphthalene
Concen: 18.22 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Instrument :
MSVOA_W
ClientSampleId :
VW0309SBS01

Tgt Ion:128 Resp: 183682
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.76 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW015100.D
Acq: 09 Mar 2020 16:31

Tgt Ion:180 Resp: 91351
Ion Ratio Lower Upper
180 100
182 95.3 47.9 143.7
145 33.6 17.5 52.6

