

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011076.D
 Acq On : 01 Jul 2019 11:20
 Operator : SY/VA
 Sample : VW0701SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Quant Time: Jul 02 08:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	148409	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.88	113	116450	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.32	98	485373	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	171787	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	40866	23.311	ug/l	98
3) Chloromethane	2.21	50	51685	21.992	ug/l	97
4) Vinyl Chloride	2.36	62	66782	21.825	ug/l	96
5) Bromomethane	2.72	94	28712	18.851	ug/l	97
6) Chloroethane	2.89	64	32906	20.397	ug/l	95
7) Trichlorofluoromethane	3.23	101	21551	23.966	ug/l	95
8) Diethyl Ether	3.67	74	28328	19.892	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	52913	20.923	ug/l	99
10) Methyl Iodide	4.26	142	72989	20.628	ug/l	99
11) Tert butyl alcohol	5.17	59	19741	89.409	ug/l	100
12) 1,1-Dichloroethene	4.03	96	54664	20.766	ug/l	96
13) Acrolein	3.88	56	15235	88.485	ug/l	100
14) Allyl chloride	4.65	41	99598	23.508	ug/l	99
15) Acrylonitrile	5.35	53	69566	99.198	ug/l	99
16) Acetone	4.12	43	70446	94.932	ug/l	99
17) Carbon Disulfide	4.37	76	157198	21.049	ug/l	99
18) Methyl Acetate	4.66	43	41284	21.477	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	76321	20.484	ug/l	95
20) Methylene Chloride	4.90	84	60361	20.020	ug/l	95
21) trans-1,2-Dichloroethene	5.40	96	58188	21.451	ug/l	94
22) Diisopropyl ether	6.31	45	213191	20.910	ug/l	97
23) Vinyl Acetate	6.24	43	631509	100.525	ug/l	100
24) 1,1-Dichloroethane	6.21	63	114224	21.224	ug/l	99
25) 2-Butanone	7.17	43	106444	94.368	ug/l	99
26) 2,2-Dichloropropane	7.16	77	57449	20.560	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	61327	20.998	ug/l	98
28) Bromochloromethane	7.51	49	46959	18.743	ug/l	100
29) Tetrahydrofuran	7.52	42	68407	97.422	ug/l	100
30) Chloroform	7.67	83	103966	21.264	ug/l	100
31) Cyclohexane	7.95	56	122905	21.135	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78391	21.456	ug/l	99
36) 1,1-Dichloropropene	8.07	75	88445	22.021	ug/l	99
37) Ethyl Acetate	7.25	43	46755	20.010	ug/l	98
38) Carbon Tetrachloride	8.06	117	74119	22.408	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106927	21.632	ug/l	95
40) Benzene	8.32	78	243856	22.074	ug/l	100
41) Methacrylonitrile	7.48	41	30499	21.455	ug/l	98
42) 1,2-Dichloroethane	8.40	62	77205	21.315	ug/l	100
43) Isopropyl Acetate	8.42	43	88995	20.134	ug/l	100
44) Trichloroethene	9.09	130	57934	21.700	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64525	21.509	ug/l	96
46) Dibromomethane	9.45	93	29374	20.936	ug/l	98
47) Bromodichloromethane	9.64	83	74114	21.336	ug/l	99
48) Methyl methacrylate	9.43	41	42643	19.897	ug/l	96
49) 1,4-Dioxane	9.45	88	8856	375.416	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	228375	98.153	ug/l	100
52) Toluene	10.38	92	147696	21.838	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	76638	21.182	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92811	21.504	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	40974	20.671	ug/l	99
56) Ethyl methacrylate	10.65	69	59618	20.085	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78204	20.741	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	153441	102.169	ug/l	99
59) 2-Hexanone	10.96	43	159700	98.423	ug/l	99
60) Dibromochloromethane	11.13	129	43722	21.034	ug/l	98
61) 1,2-Dibromoethane	11.23	107	37891	20.419	ug/l	98
64) Tetrachloroethene	10.86	164	48059	21.259	ug/l	98
65) Chlorobenzene	11.66	112	146629	21.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49941	21.875	ug/l	99
67) Ethyl Benzene	11.73	91	282446	21.931	ug/l	99
68) m/p-Xylenes	11.84	106	204942	43.853	ug/l	100
69) o-Xylene	12.16	106	94452	21.699	ug/l	100
70) Styrene	12.18	104	164269	21.717	ug/l	100
71) Bromoform	12.35	173	23049	20.709	ug/l #	97
73) Isopropylbenzene	12.46	105	265119	22.159	ug/l	100
74) N-amyl acetate	12.27	43	82679	20.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48575	20.675	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65151	38.641	ug/l #	100
77) Bromobenzene	12.74	156	56971	21.664	ug/l	99
78) n-propylbenzene	12.80	91	328564	22.176	ug/l	99
79) 2-Chlorotoluene	12.89	91	184650	21.815	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	222030	21.895	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14740	21.177	ug/l	95
82) 4-Chlorotoluene	12.99	91	196725	22.302	ug/l	99
83) tert-Butylbenzene	13.21	119	187621	22.187	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	225088	21.960	ug/l	99
85) sec-Butylbenzene	13.38	105	271324	22.087	ug/l	100
86) p-Isopropyltoluene	13.50	119	243440	22.022	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	113609	21.840	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112515	21.668	ug/l	100
89) n-Butylbenzene	13.82	91	246669	21.954	ug/l	100
90) Hexachloroethane	14.09	117	41605	21.996	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	98695	21.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8000	20.036	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

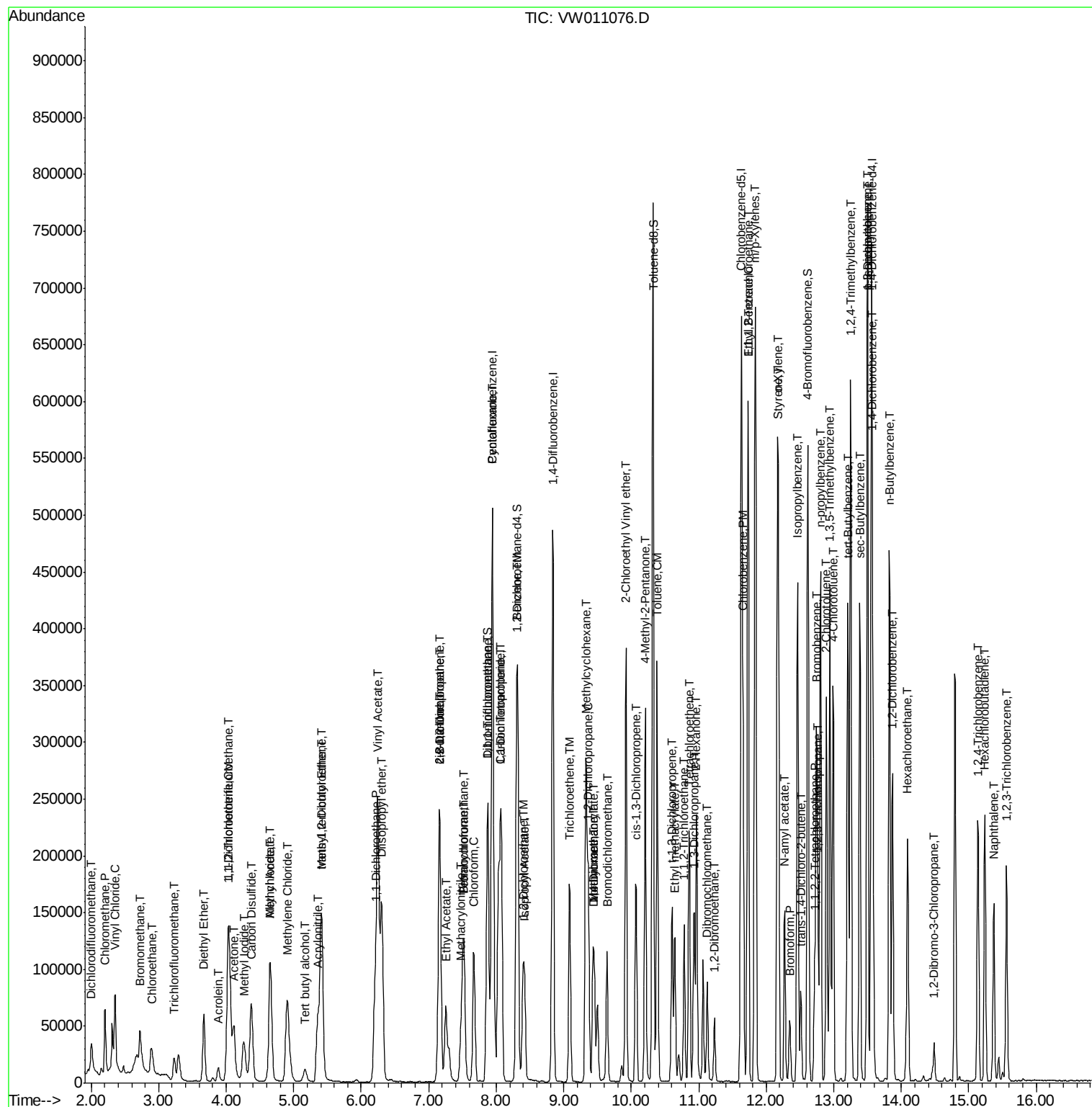
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71438	21.732	ug/l	98
94) Hexachlorobutadiene	15.24	225	42779	21.456	ug/l	99
95) Naphthalene	15.37	128	124658	20.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61792	21.052	ug/l	100

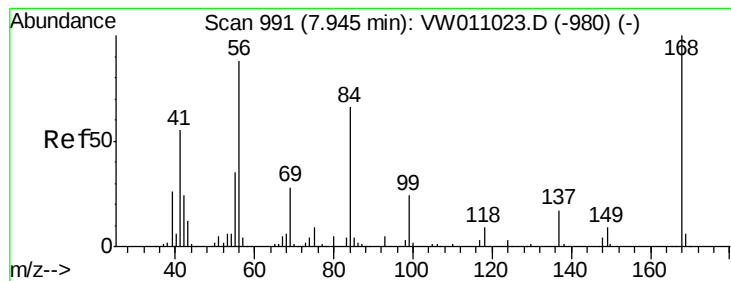
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

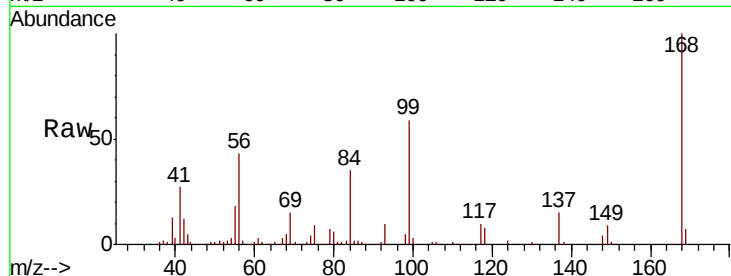
VW0701SBS01

Tot Ion:168 Resp: 232552

Ion Ratio Lower Upper

168 100

99 59.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

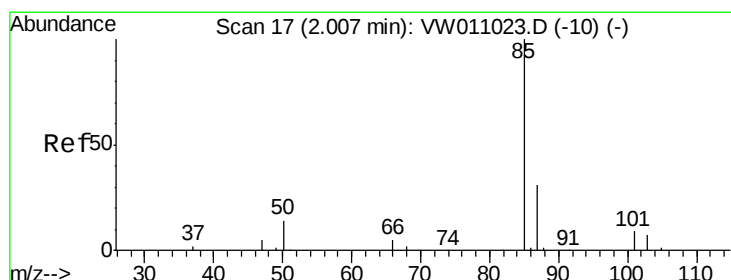
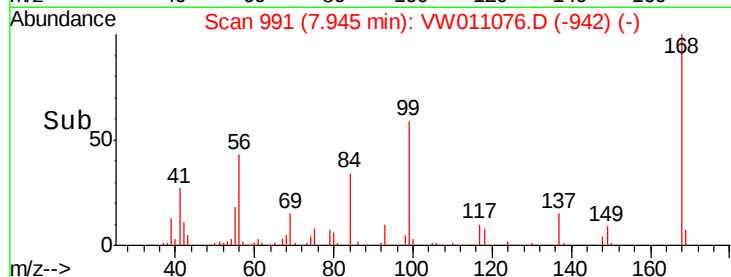
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 23.311 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011076.D

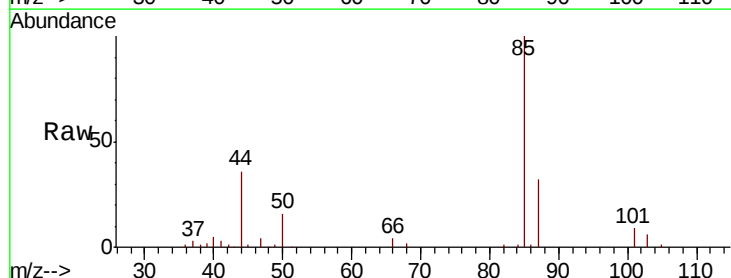
Acq: 01 Jul 2019 11:20

Tgt Ion: 85 Resp: 40866

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

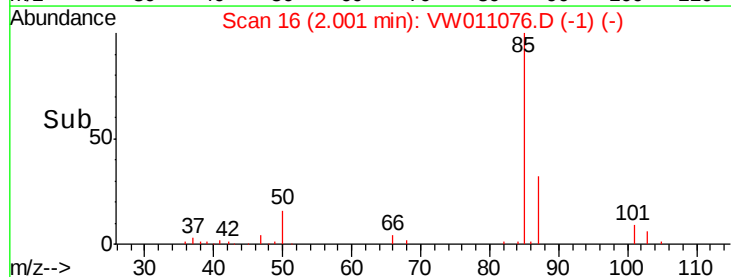
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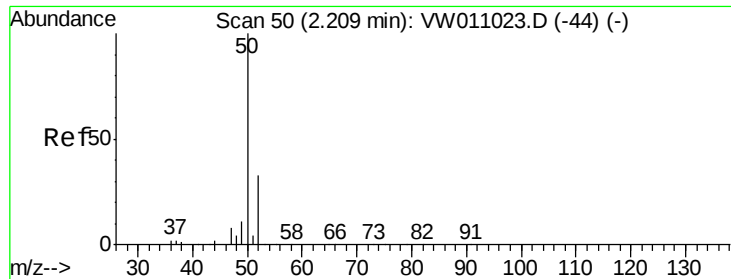
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.992 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

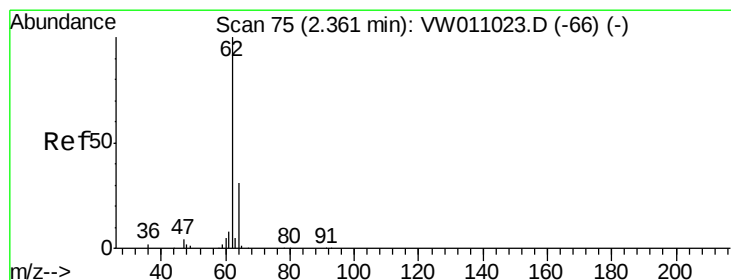
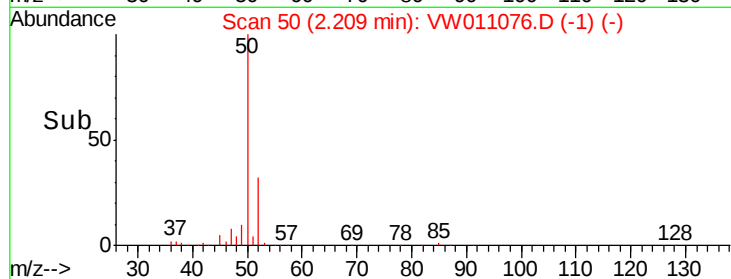
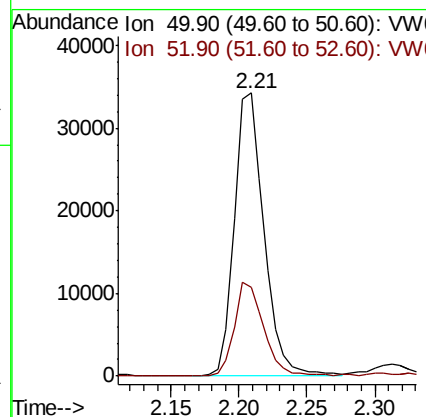
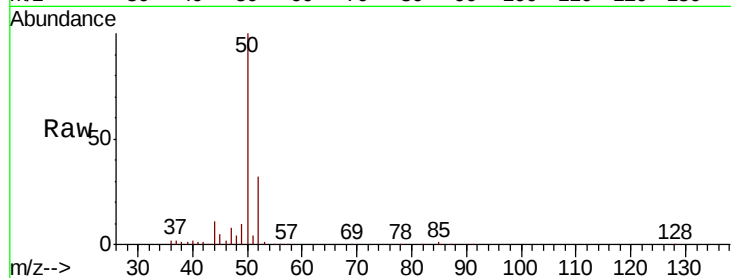
VW0701SBS01

Tot Ion: 50 Resp: 51685

Ion Ratio Lower Upper

50 100

52 31.6 26.6 40.0



#4

Vinyl Chloride

Concen: 21.825 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011076.D

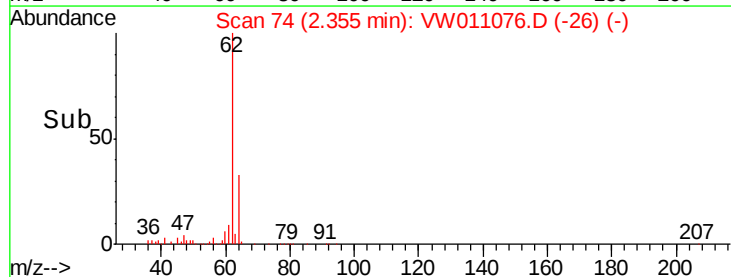
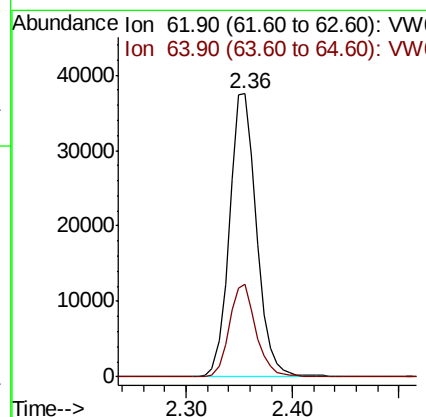
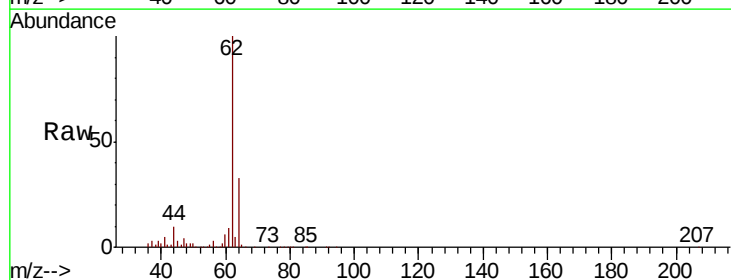
Acq: 01 Jul 2019 11:20

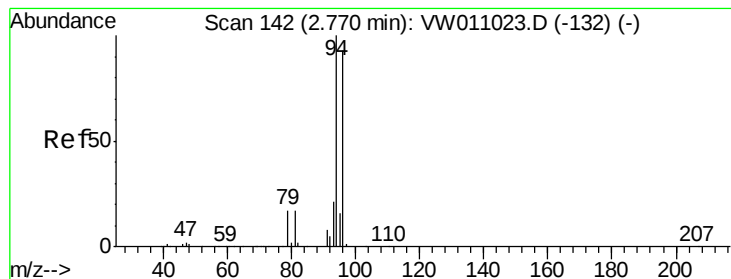
Tgt Ion: 62 Resp: 66782

Ion Ratio Lower Upper

62 100

64 32.9 24.8 37.2





#5

Bromomethane

Concen: 18.851 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

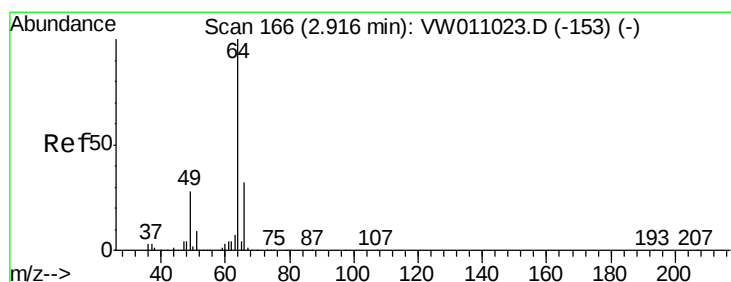
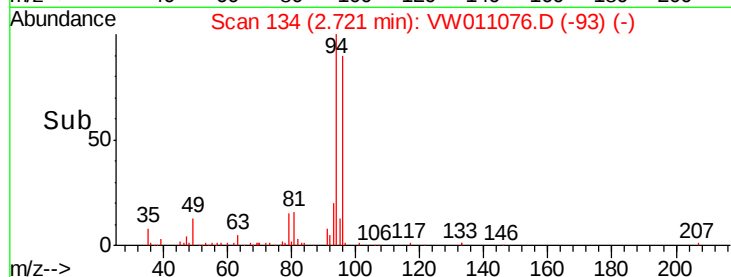
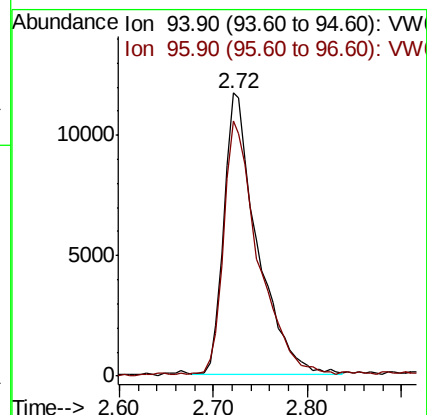
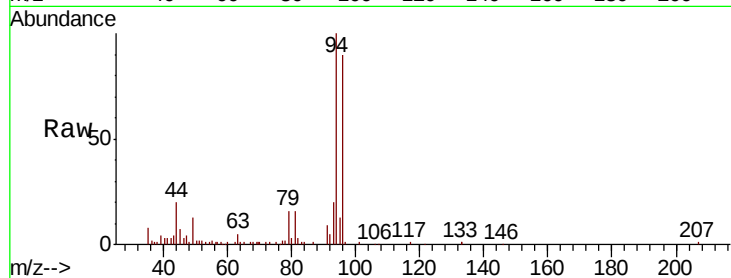
VW0701SBS01

Tot Ion: 94 Resp: 28712

Ion Ratio Lower Upper

94 100

96 89.8 74.2 111.2



#6

Chloroethane

Concen: 20.397 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW011076.D

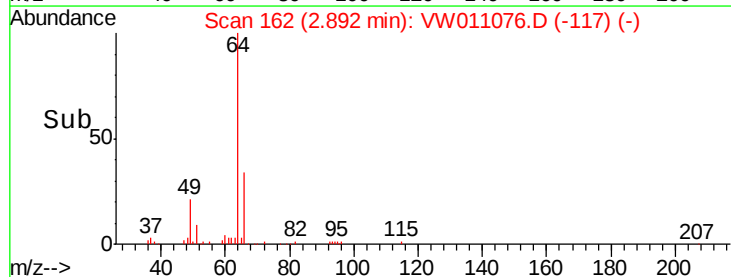
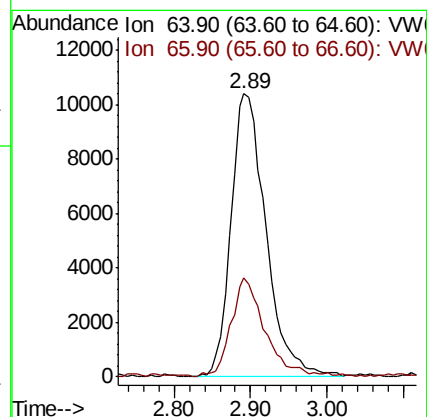
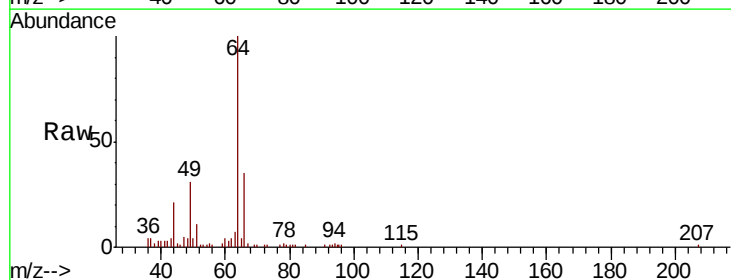
Acq: 01 Jul 2019 11:20

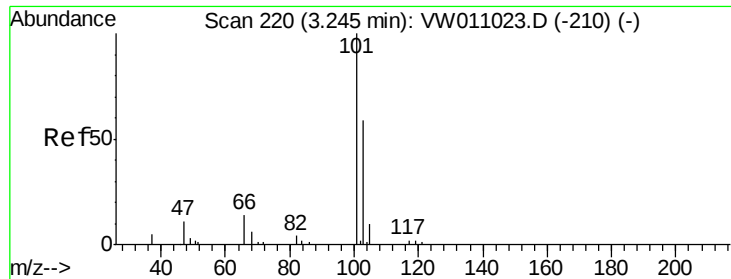
Tgt Ion: 64 Resp: 32906

Ion Ratio Lower Upper

64 100

66 34.9 25.7 38.5



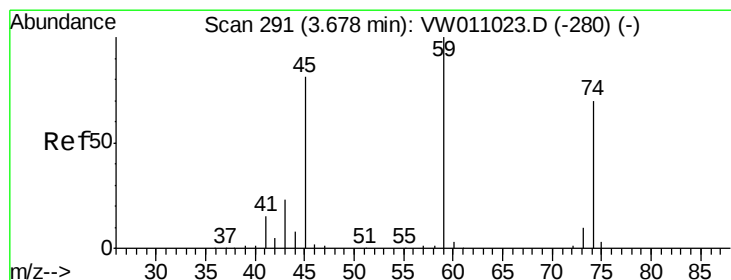
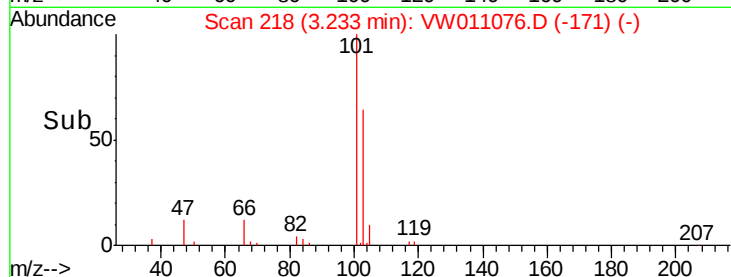
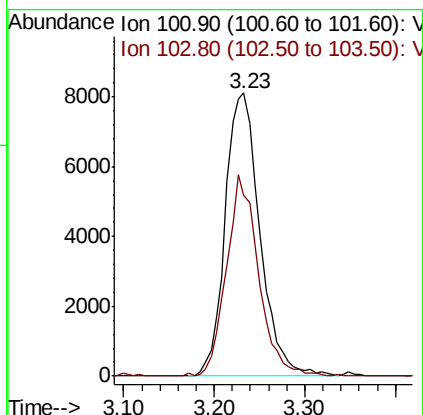
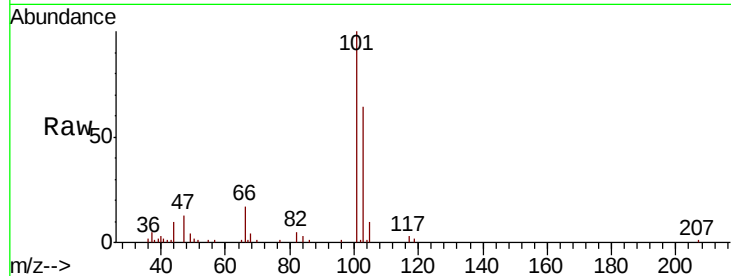


#7

Trichlorofluoromethane
Concen: 23.966 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
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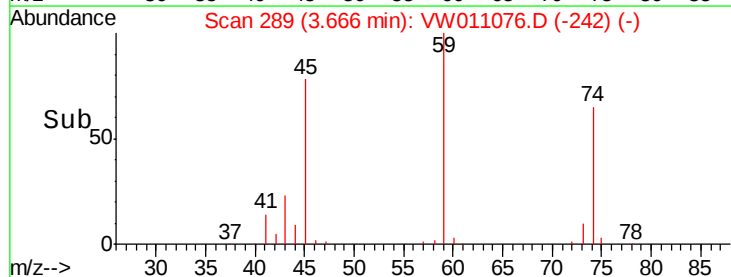
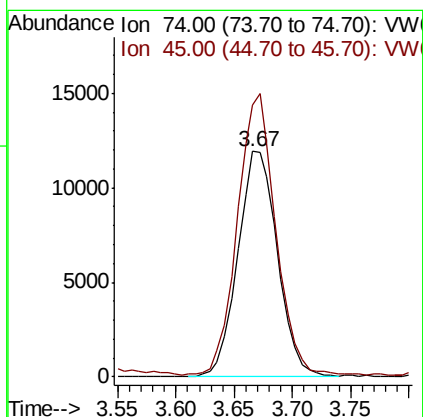
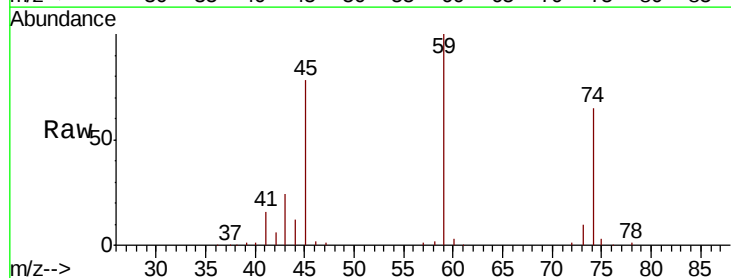
Tot Ion:101 Resp: 21551
Ion Ratio Lower Upper
101 100
103 63.2 47.5 71.3

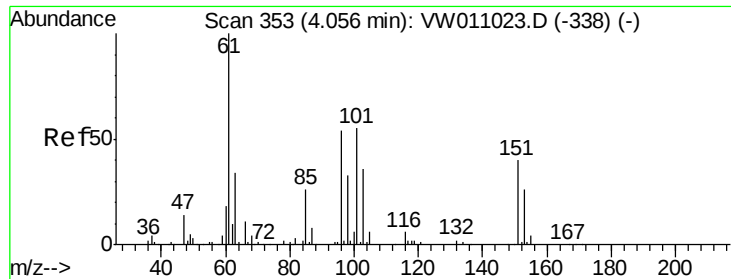


#8

Diethyl Ether
Concen: 19.892 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 74 Resp: 28328
Ion Ratio Lower Upper
74 100
45 121.1 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.923 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

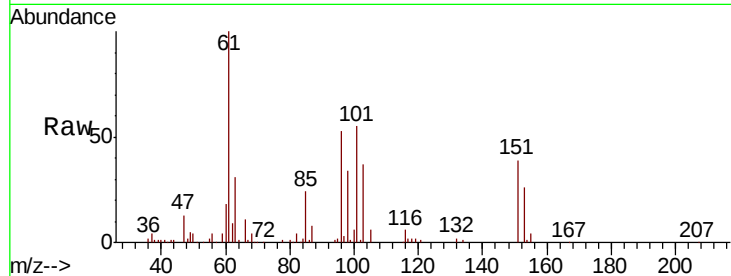
Tot Ion:101 Resp: 52913

Ion Ratio Lower Upper

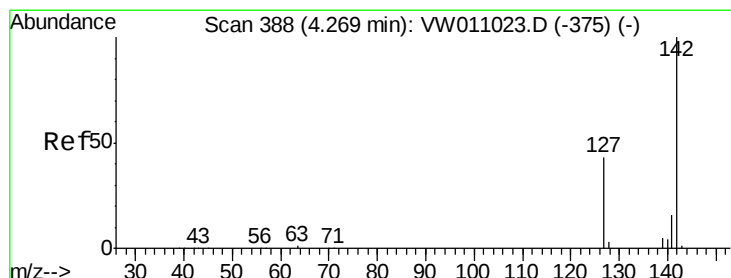
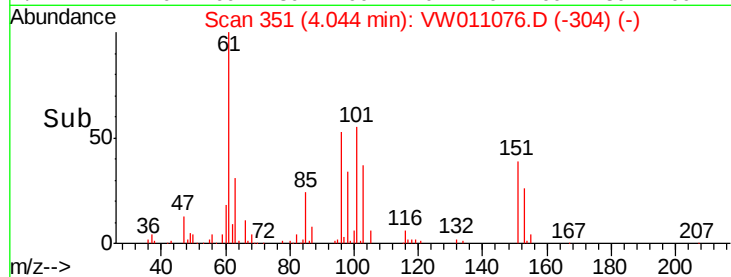
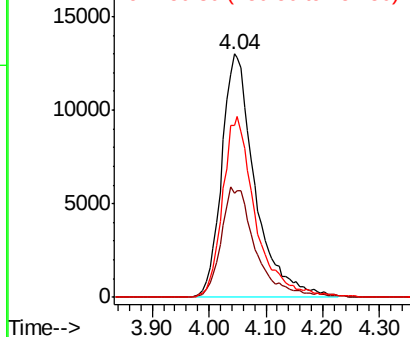
101 100

85 46.0 36.6 55.0

151 72.9 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.628 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

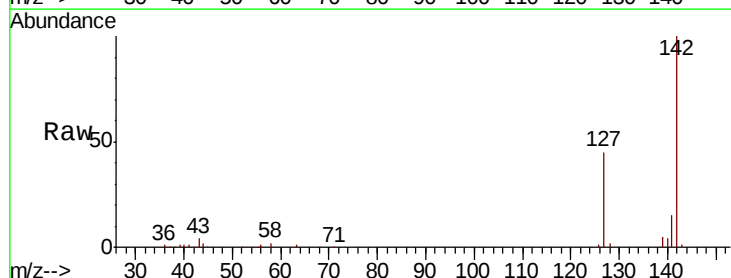
Tgt Ion:142 Resp: 72989

Ion Ratio Lower Upper

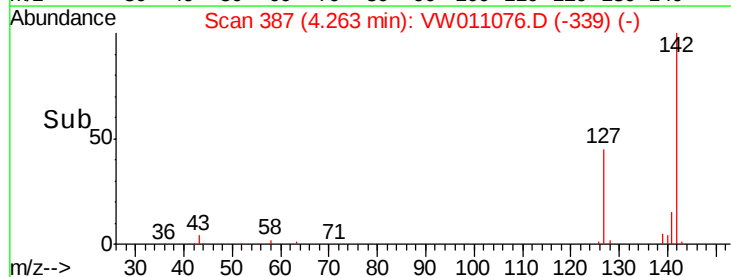
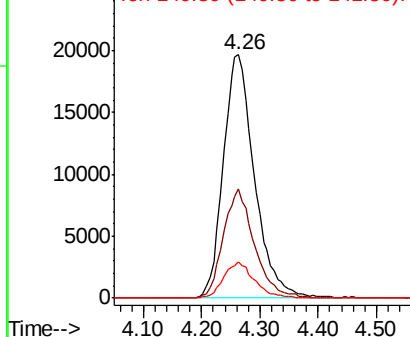
142 100

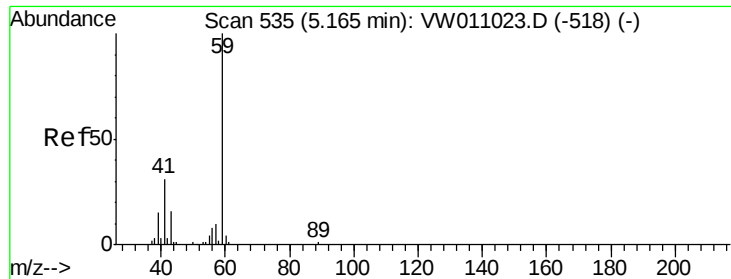
127 44.6 35.8 53.8

141 14.6 12.2 18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



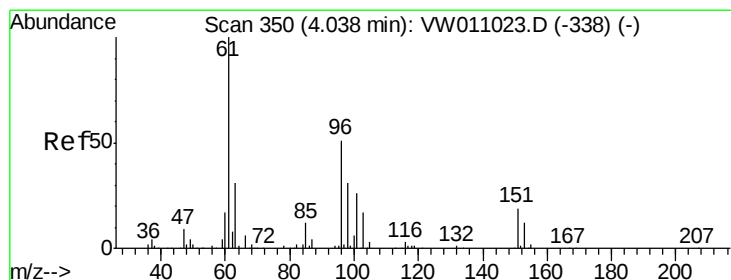
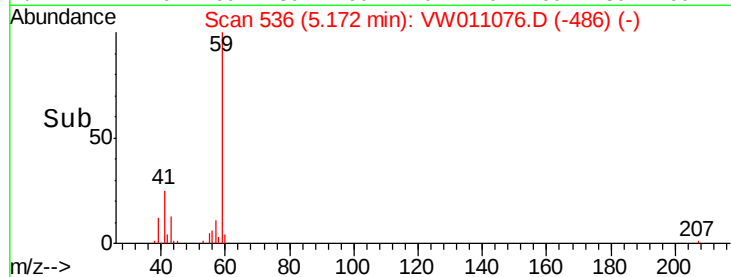
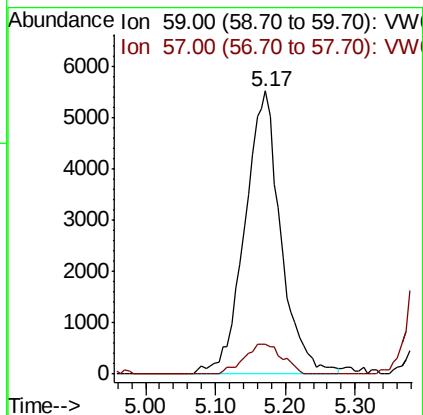
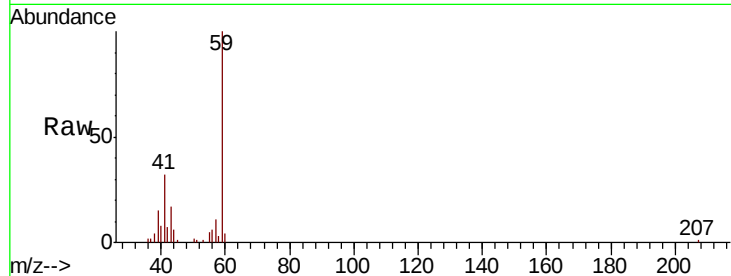


#11

Tert butyl alcohol
Concen: 89.409 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

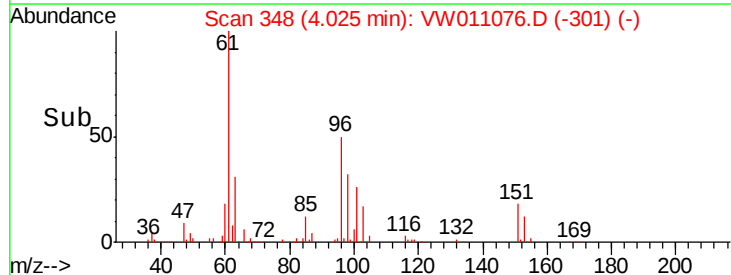
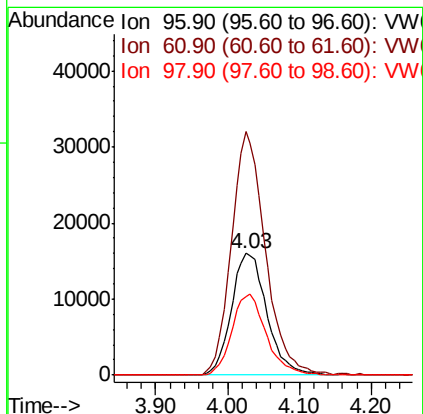
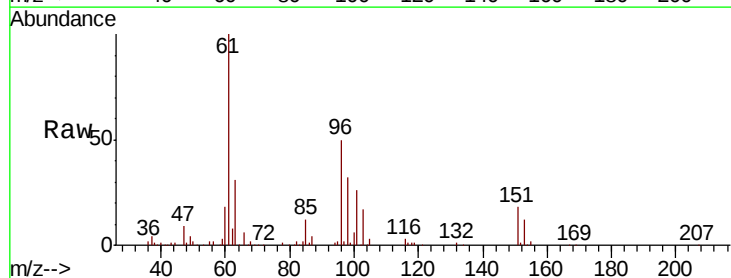
Tot Ion: 59 Resp: 19741
Ion Ratio Lower Upper
59 100
57 11.3 9.0 13.4

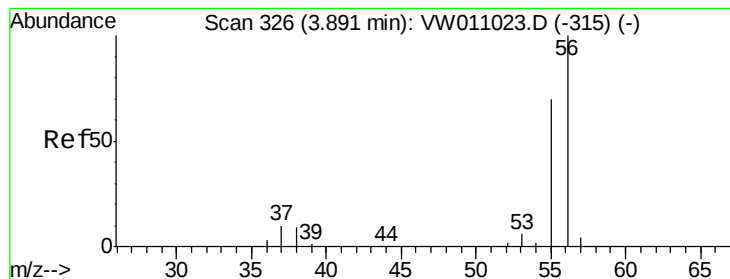


#12

1,1-Dichloroethene
Concen: 20.766 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 96 Resp: 54664
Ion Ratio Lower Upper
96 100
61 200.3 156.0 234.0
98 64.4 48.7 73.1





#13

Acrolein

Concen: 88.485 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

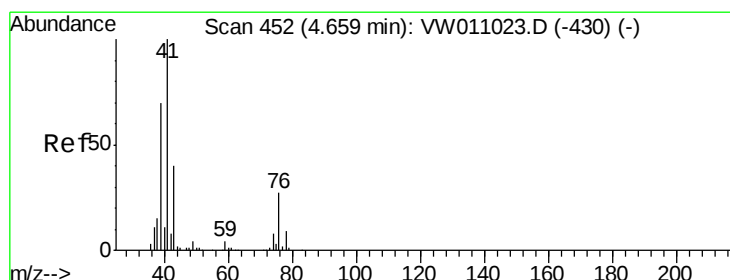
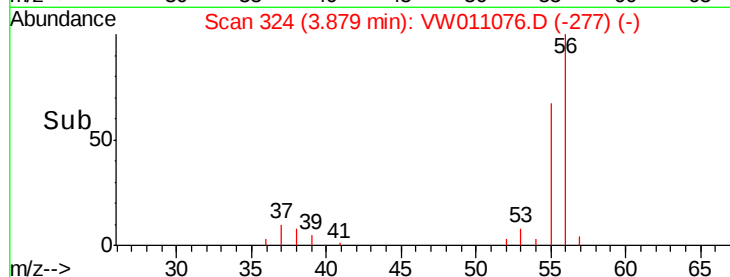
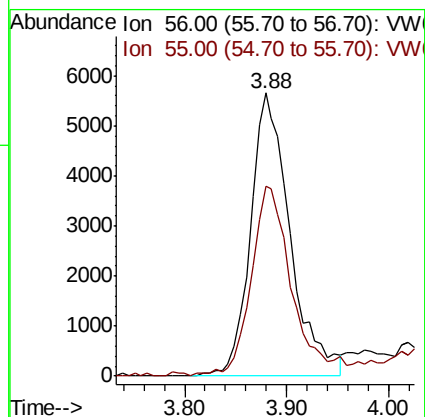
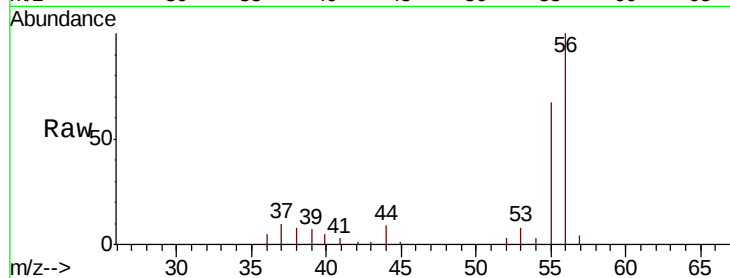
VW0701SBS01

Tot Ion: 56 Resp: 15235

Ion Ratio Lower Upper

56 100

55 69.7 55.7 83.5



#14

Allyl chloride

Concen: 23.508 ug/l

RT: 4.65 min Scan# 450

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

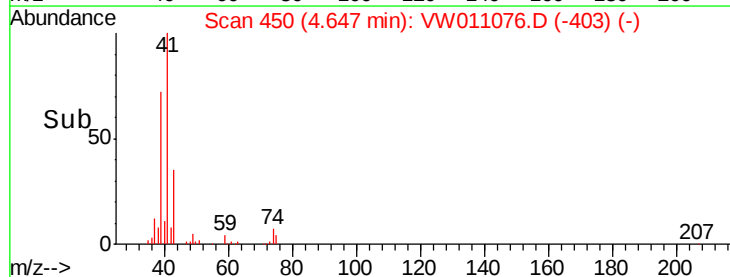
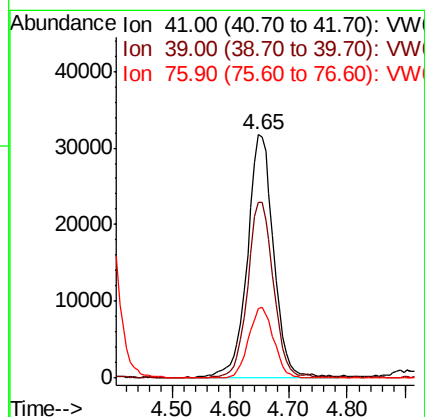
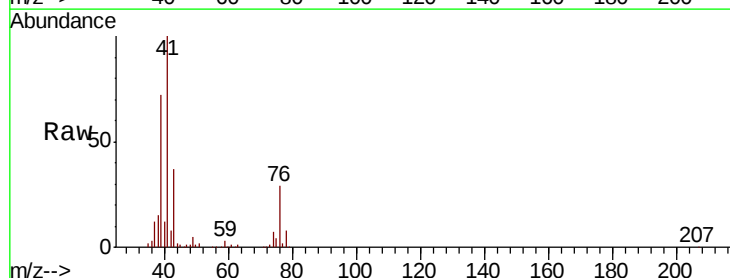
Tgt Ion: 41 Resp: 99598

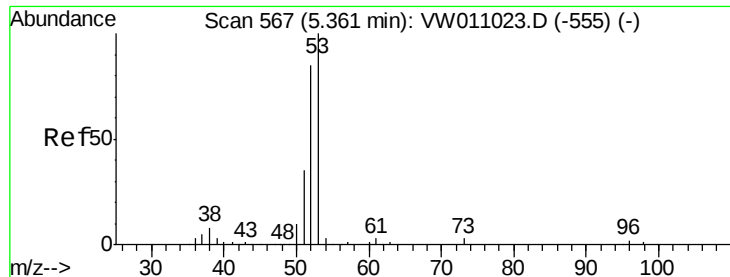
Ion Ratio Lower Upper

41 100

39 69.8 55.4 83.2

76 27.7 22.0 33.0





#15

Acrylonitrile

Concen: 99.198 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

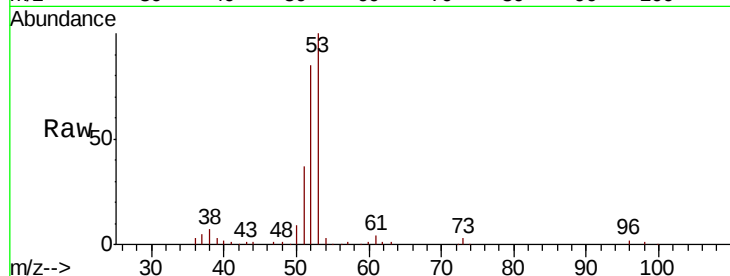
Tot Ion: 53 Resp: 69566

Ion Ratio Lower Upper

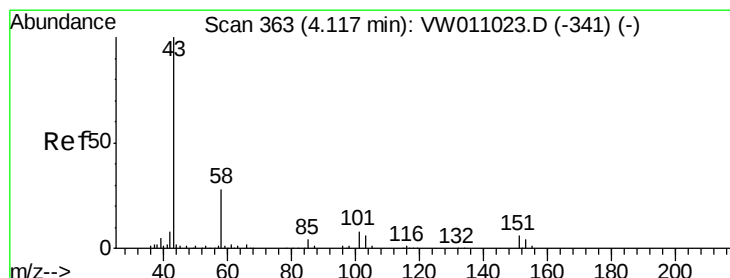
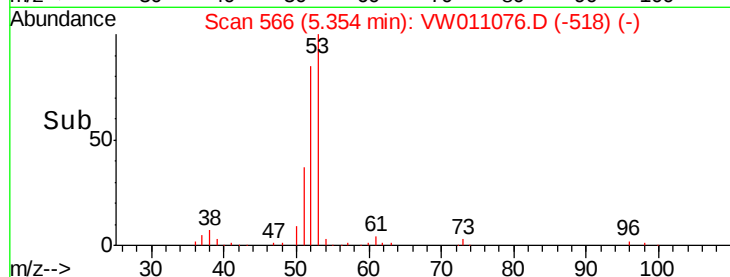
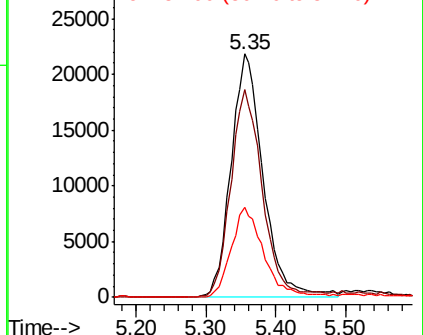
53 100

52 84.1 66.3 99.5

51 37.5 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 94.932 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW011076.D

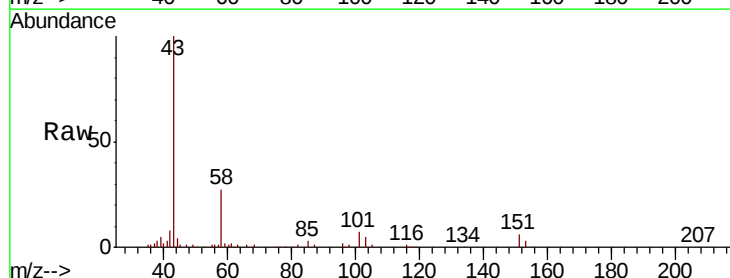
Acq: 01 Jul 2019 11:20

Tgt Ion: 43 Resp: 70446

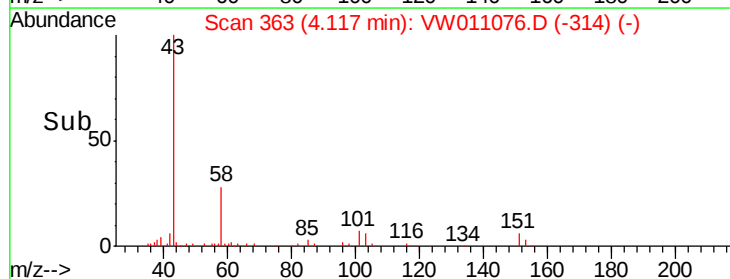
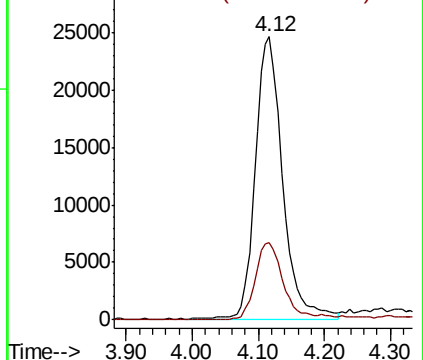
Ion Ratio Lower Upper

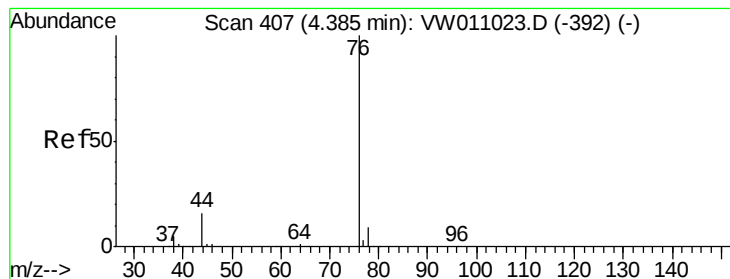
43 100

58 27.4 22.5 33.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 21.049 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampled :

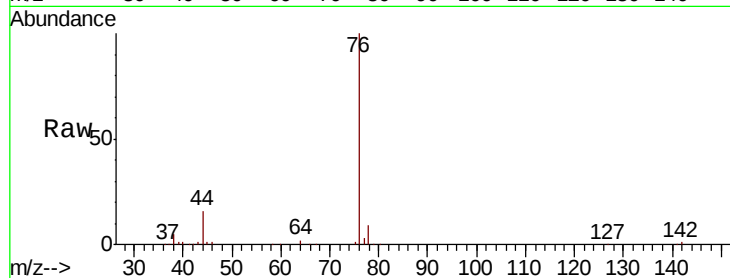
VW0701SBS01

Tot Ion: 76 Resp: 157198

Ion Ratio Lower Upper

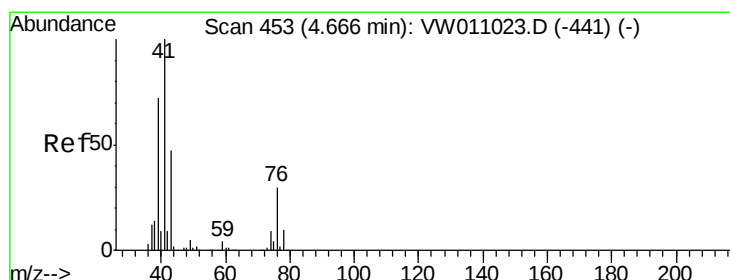
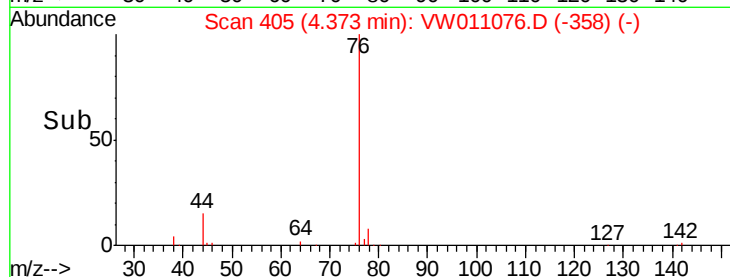
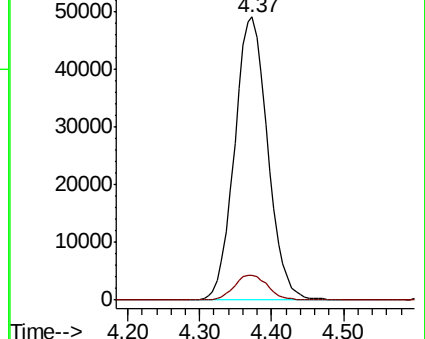
76 100

78 8.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.477 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011076.D

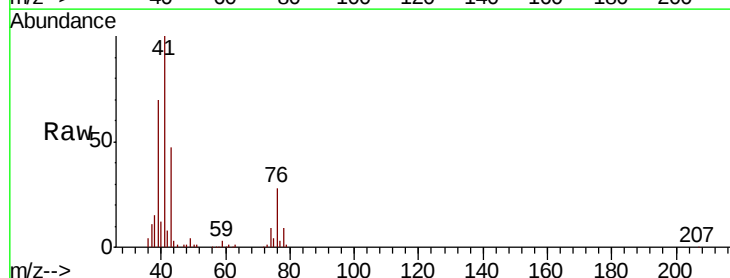
Acq: 01 Jul 2019 11:20

Tgt Ion: 43 Resp: 41284

Ion Ratio Lower Upper

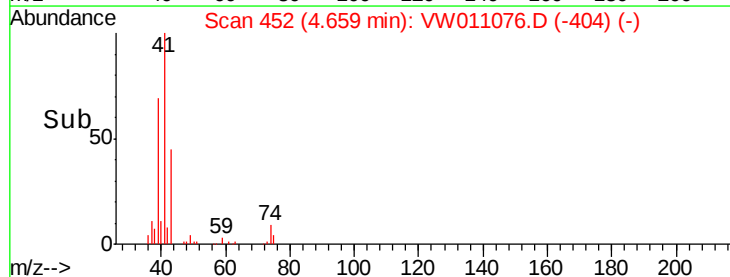
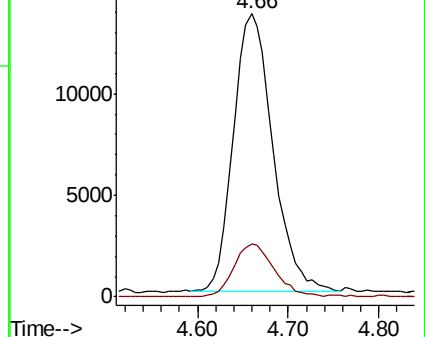
43 100

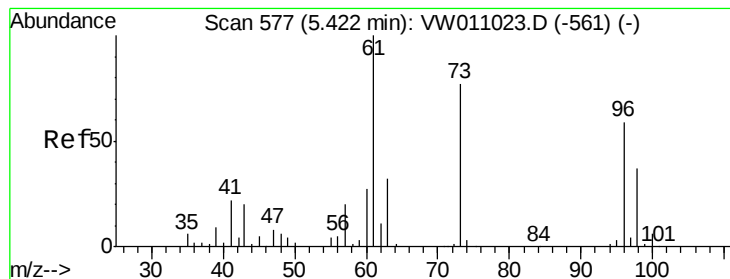
74 19.4 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



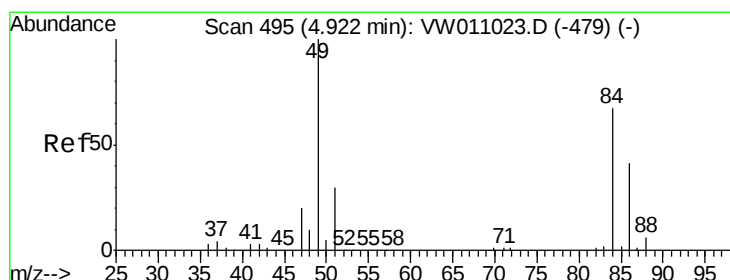
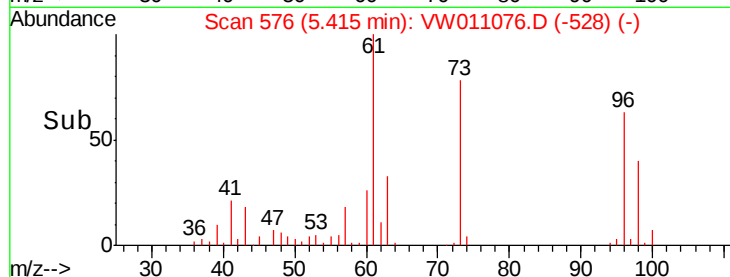
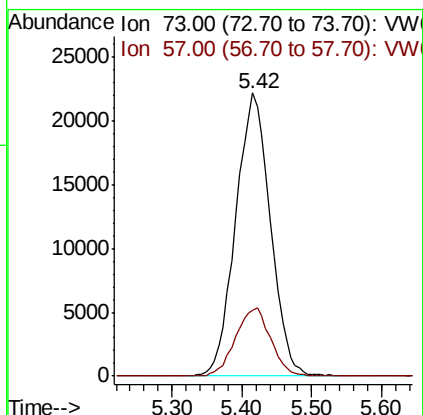
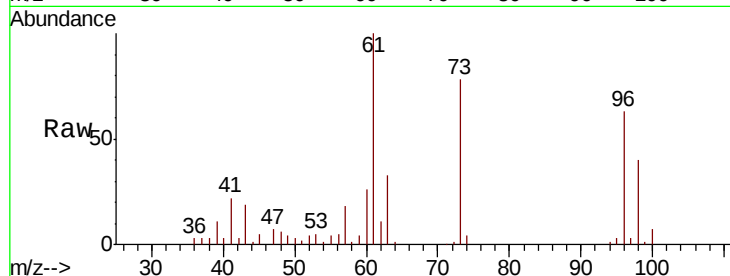


#19

Methyl tert-butyl Ether
 Concen: 20.484 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0701SBS01

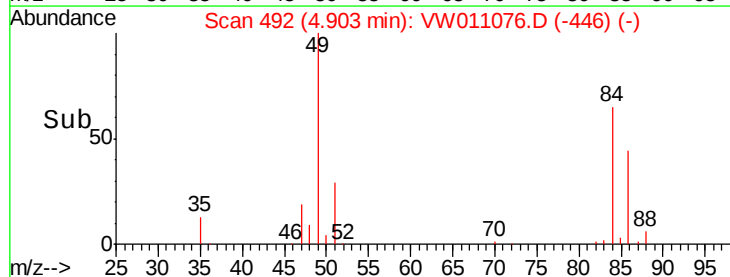
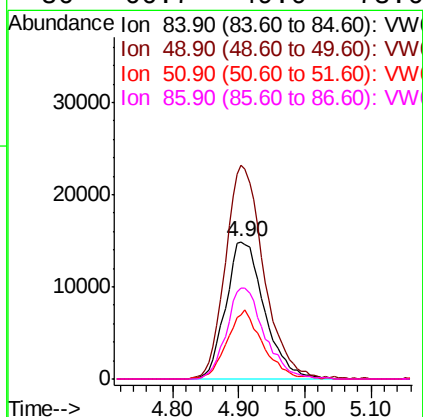
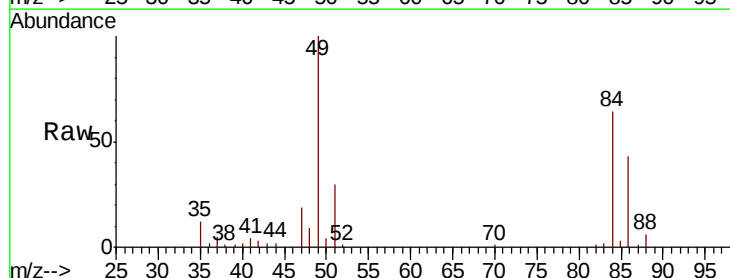
Tot Ion: 73 Resp: 76321
 Ion Ratio Lower Upper
 73 100
 57 23.4 20.8 31.2

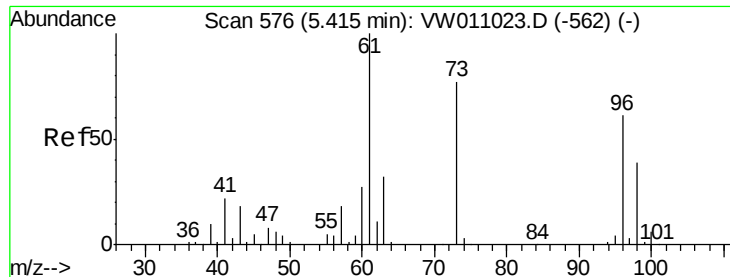


#20

Methylene Chloride
 Concen: 20.020 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 84 Resp: 60361
 Ion Ratio Lower Upper
 84 100
 49 155.9 119.6 179.4
 51 46.4 35.6 53.4
 86 66.7 49.0 73.6

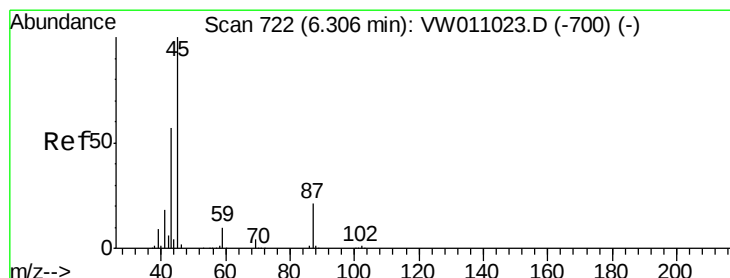
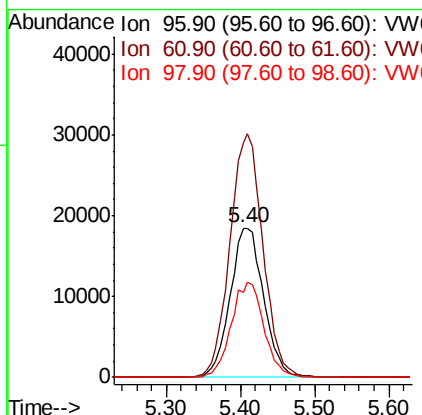
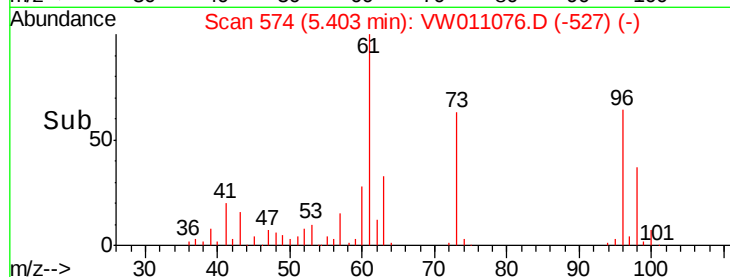
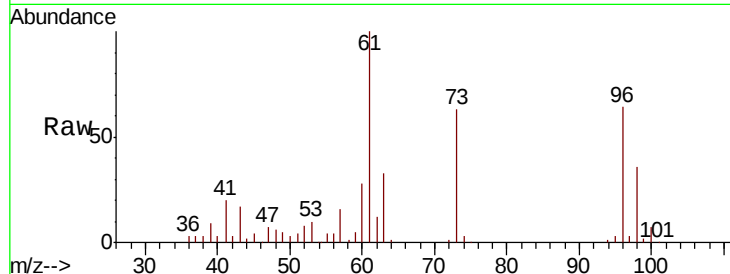




#21
trans-1,2-Dichloroethene
Concen: 21.451 ug/l
RT: 5.40 min Scan# 574
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

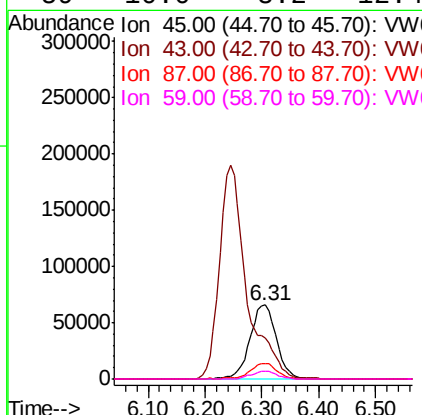
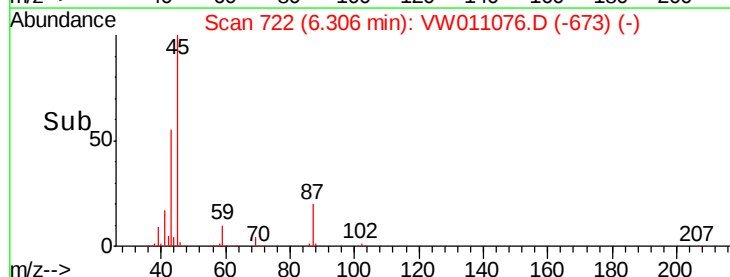
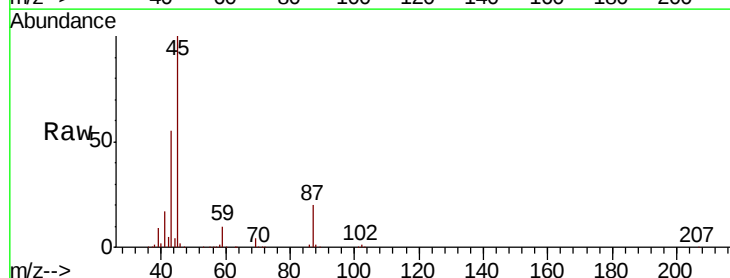
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

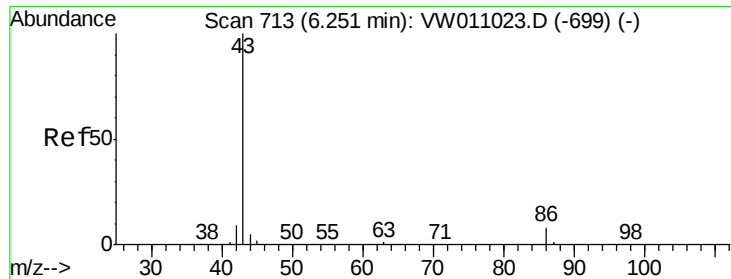
Tot Ion: 96 Resp: 58188
Ion Ratio Lower Upper
96 100
61 156.7 131.0 196.4
98 57.1 50.8 76.2



#22
Diisopropyl ether
Concen: 20.910 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 45 Resp: 213191
Ion Ratio Lower Upper
45 100
43 54.5 45.8 68.6
87 20.4 17.1 25.7
59 10.0 8.2 12.4





#23

Vinyl Acetate

Concen: 100.525 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

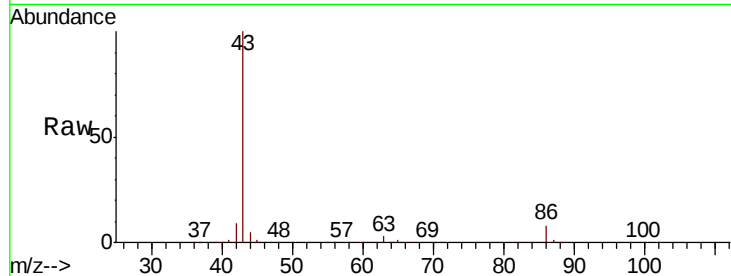
VW0701SBS01

Tot Ion: 43 Resp: 631509

Ion Ratio Lower Upper

43 100

86 8.3 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

200000

150000

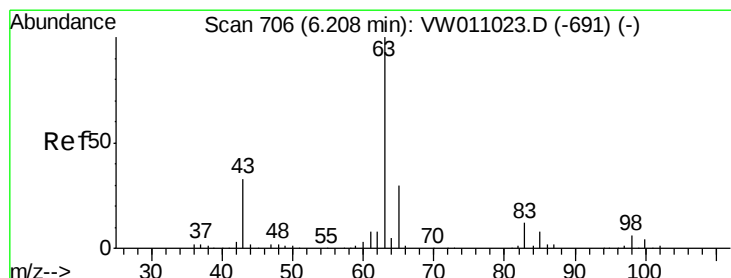
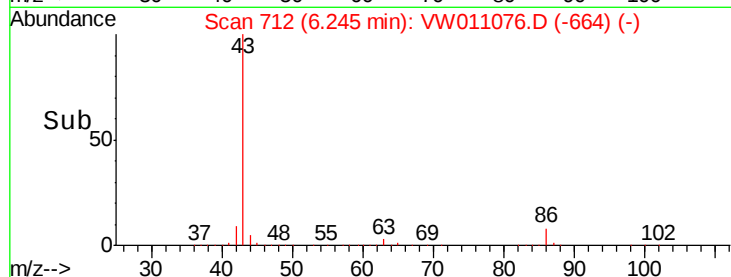
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 21.224 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

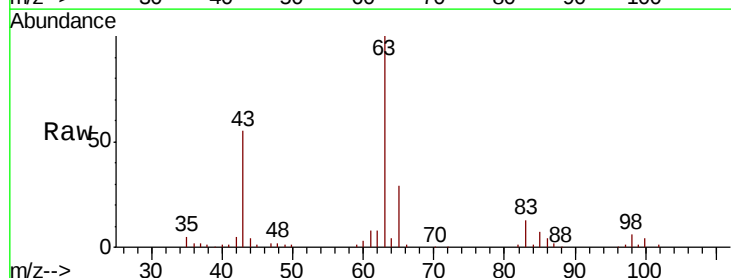
Tgt Ion: 63 Resp: 114224

Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.4

100 4.1 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

30000

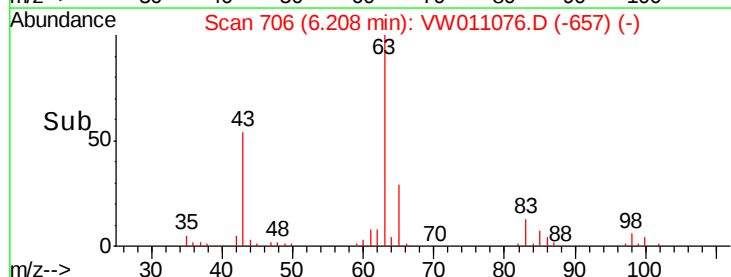
20000

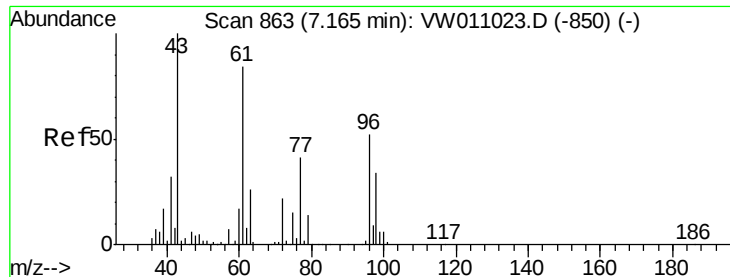
10000

0

6.10 6.20 6.30

Time-->

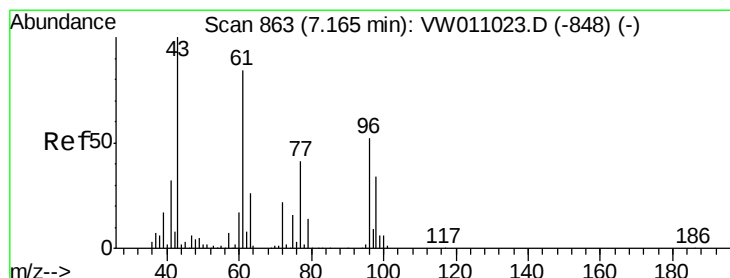
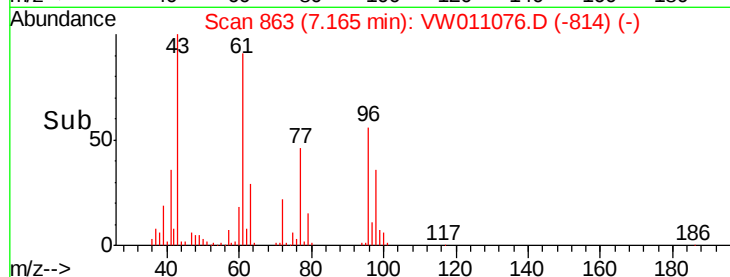
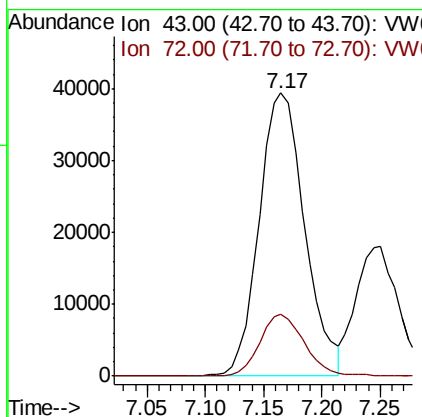
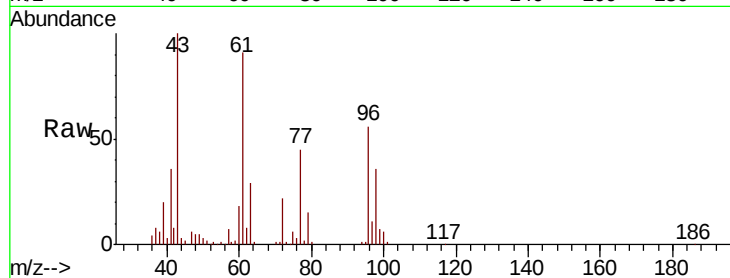




#25
2-Butanone
Concen: 94.368 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

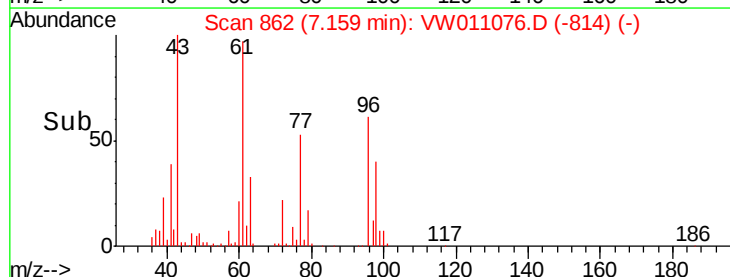
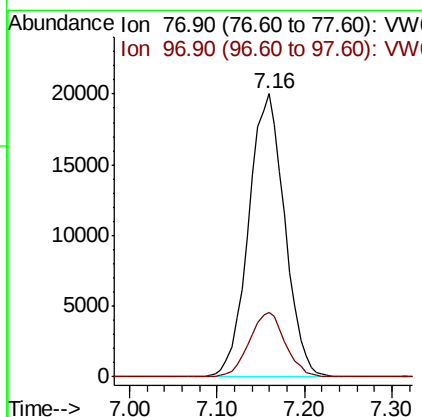
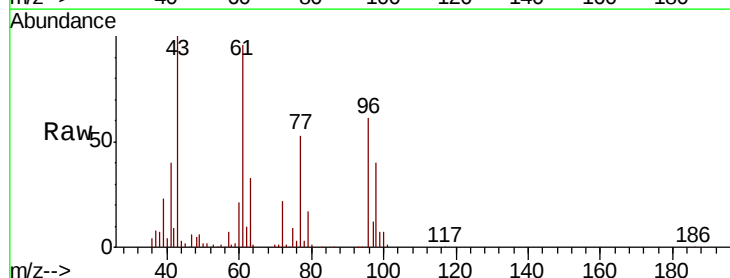
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

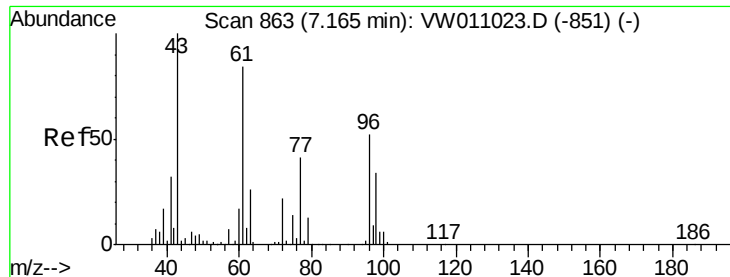
Tot Ion: 43 Resp: 106444
Ion Ratio Lower Upper
43 100
72 21.8 17.2 25.8



#26
2,2-Dichloropropane
Concen: 20.560 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 77 Resp: 57449
Ion Ratio Lower Upper
77 100
97 22.6 10.9 32.7



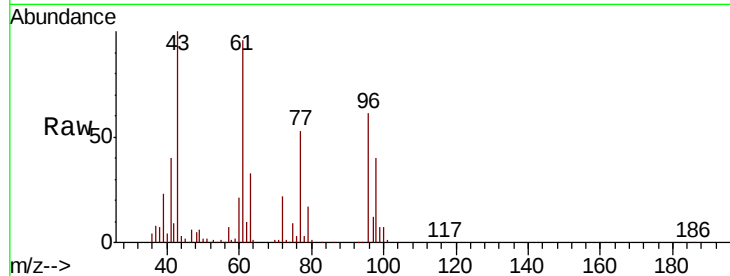


#27

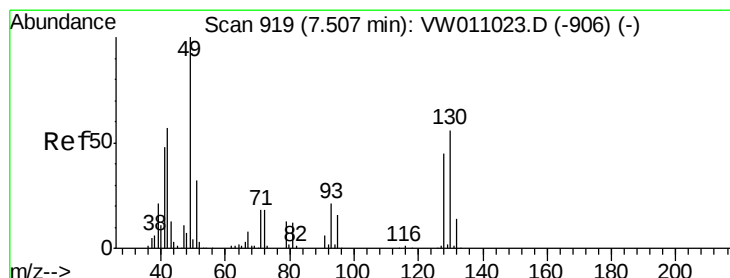
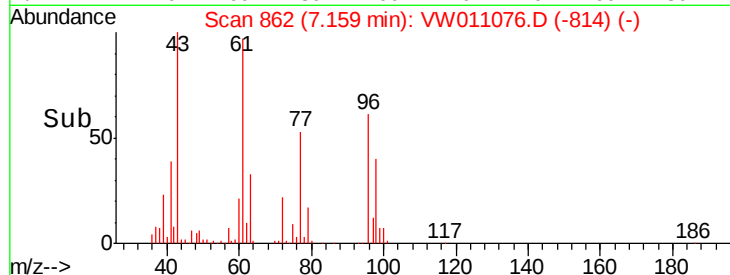
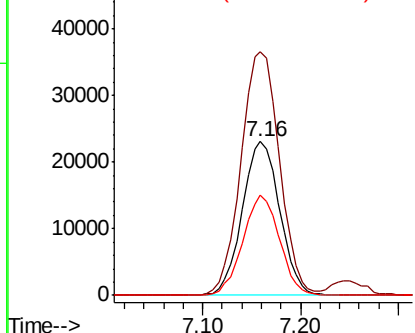
cis-1,2-Dichloroethene
Concen: 20.998 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 96 Resp: 61327
Ion Ratio Lower Upper
96 100
61 162.8 0.0 330.4
98 63.5 0.0 129.4



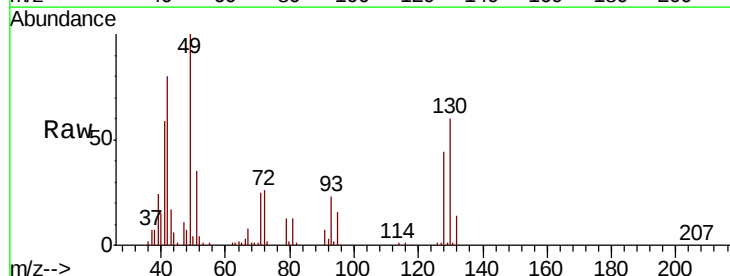
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



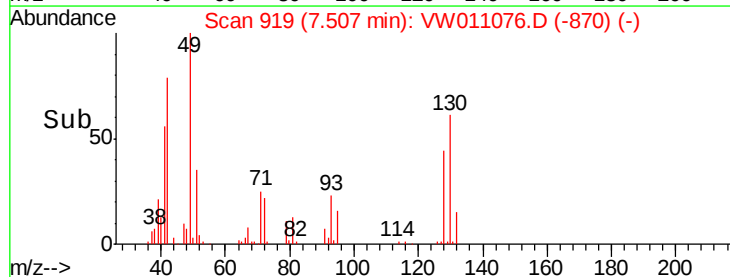
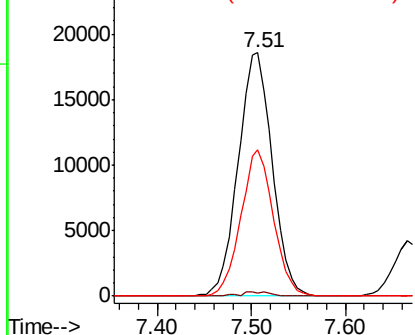
#28

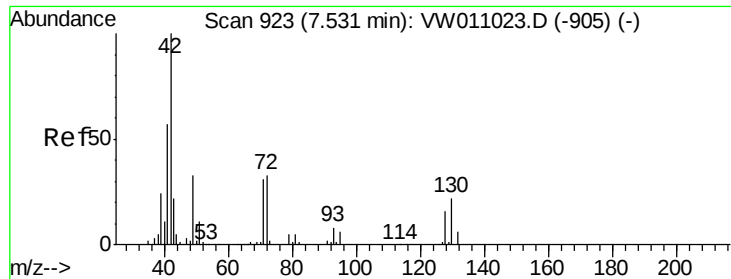
Bromochloromethane
Concen: 18.743 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 49 Resp: 46959
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.4
130 57.5 46.1 69.1



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

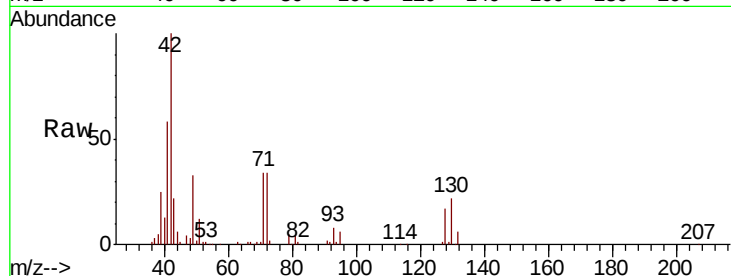




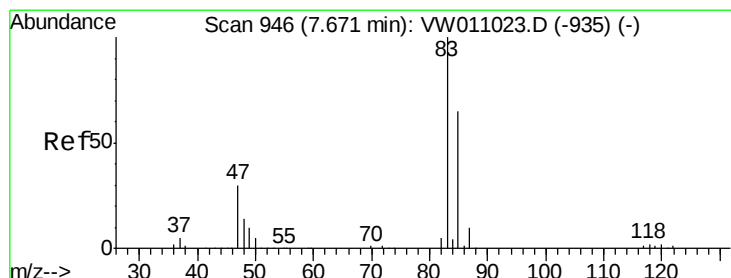
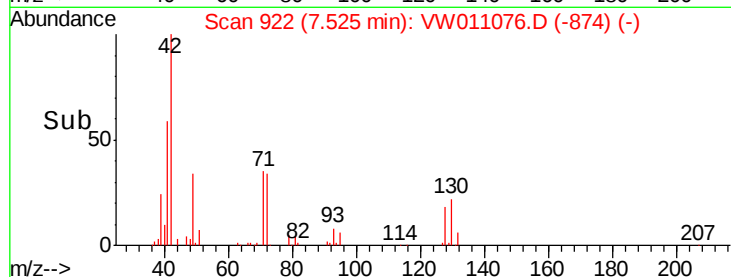
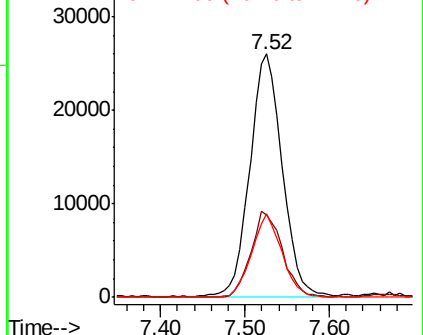
#29
Tetrahydrofuran
Concen: 97.422 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 42 Resp: 68407
Ion Ratio Lower Upper
42 100
72 34.5 27.4 41.0
71 32.1 25.6 38.4

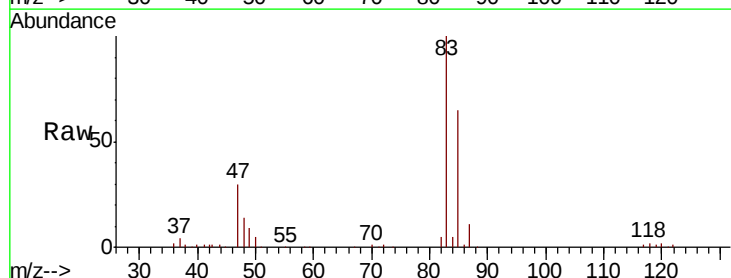


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

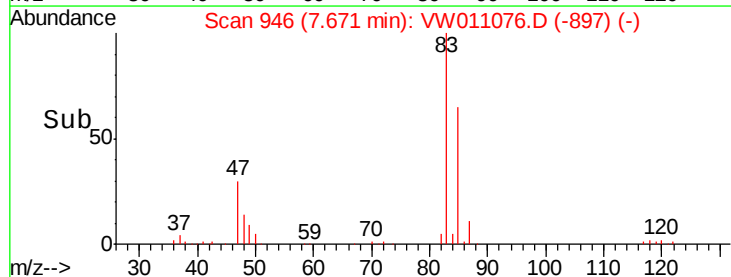
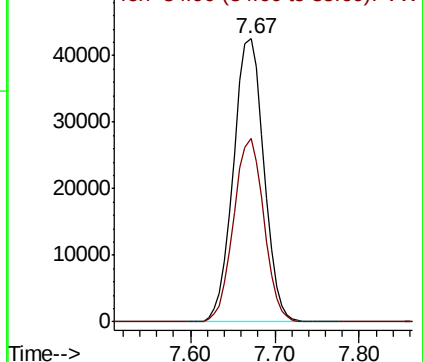


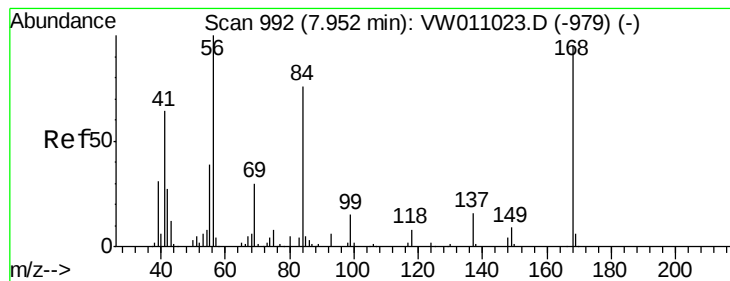
#30
Chloroform
Concen: 21.264 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 83 Resp: 103966
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4



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





#31

Cyclohexane

Concen: 21.135 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

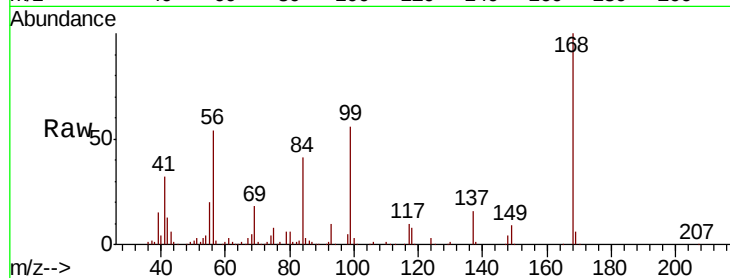
Tot Ion: 56 Resp: 122905

Ion Ratio Lower Upper

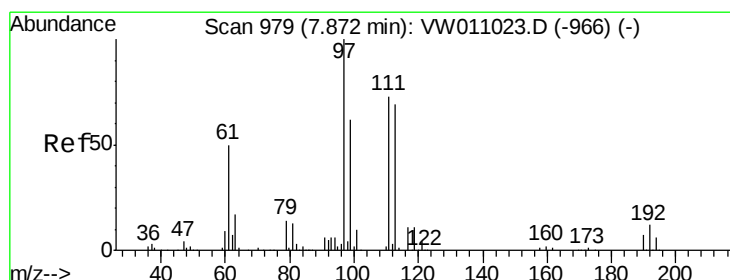
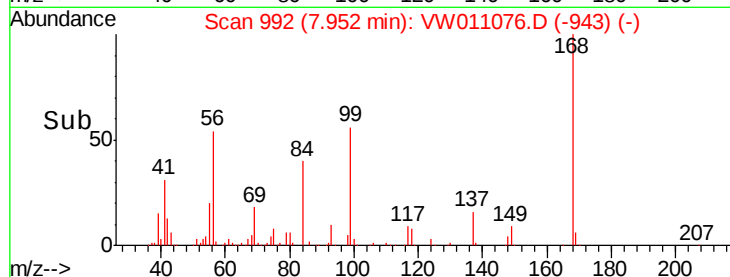
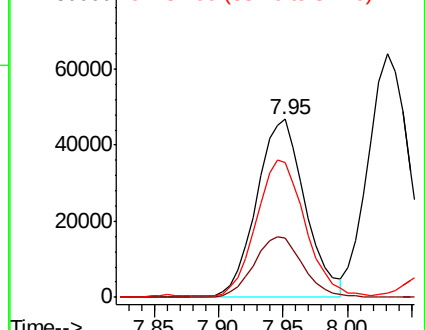
56 100

69 33.0 24.2 36.2

84 75.0 60.6 90.8



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: 21.456 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

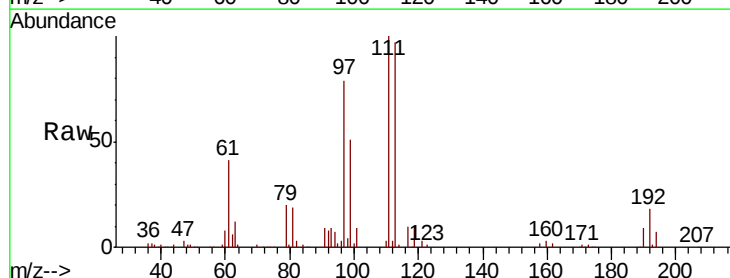
Tgt Ion: 97 Resp: 78391

Ion Ratio Lower Upper

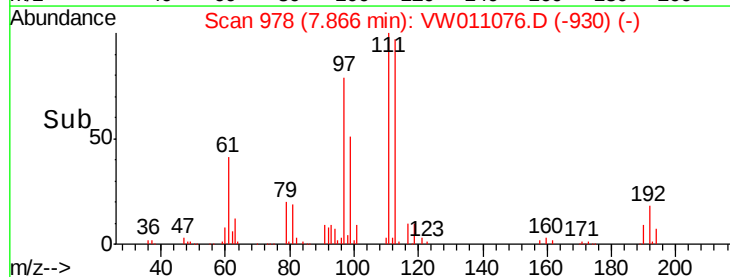
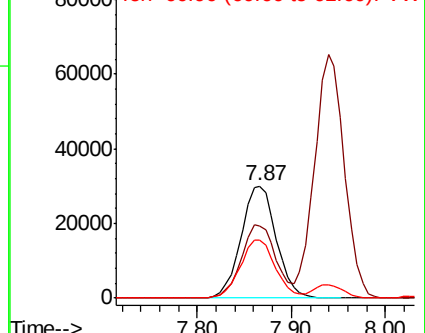
97 100

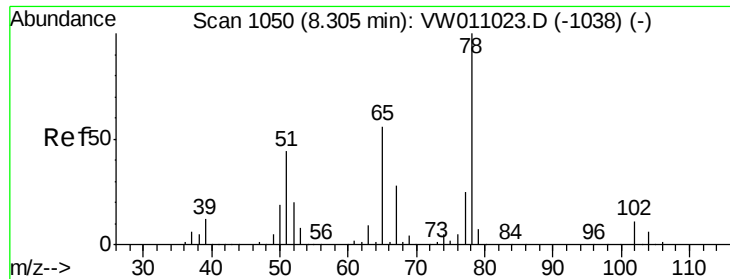
99 65.1 51.1 76.7

61 52.2 41.4 62.2



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

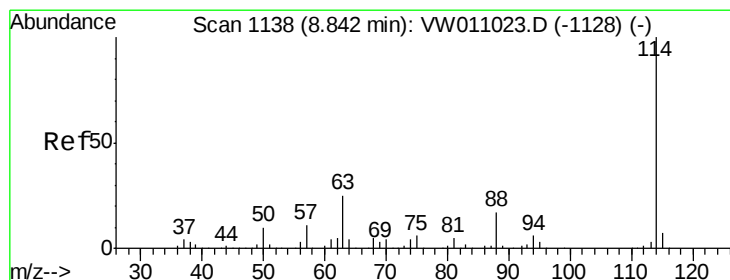
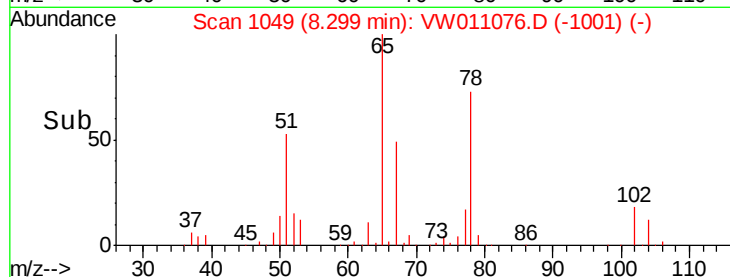
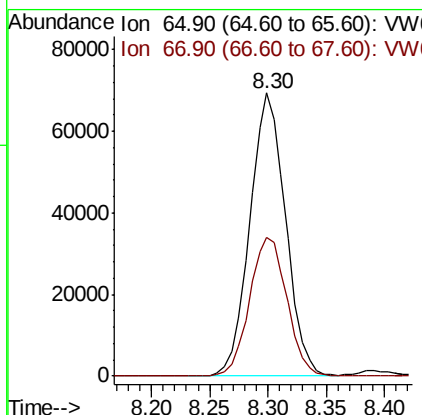
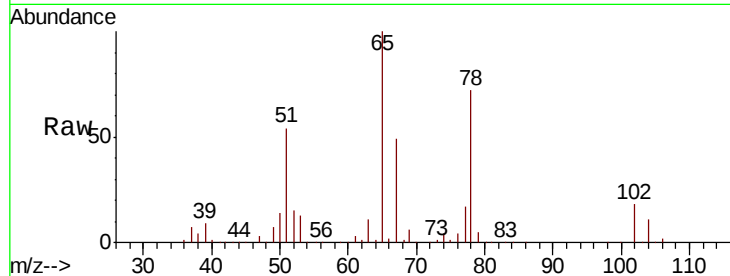




#33
 1,2-Dichloroethane-d4
 Concen: 48.818 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

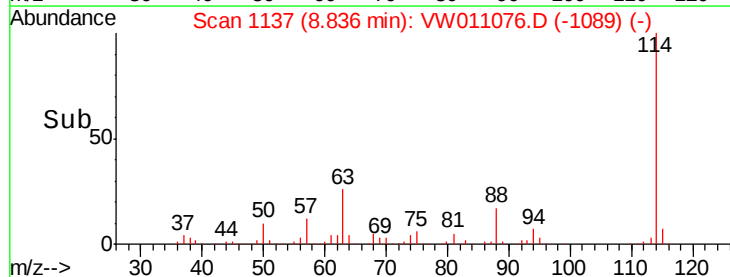
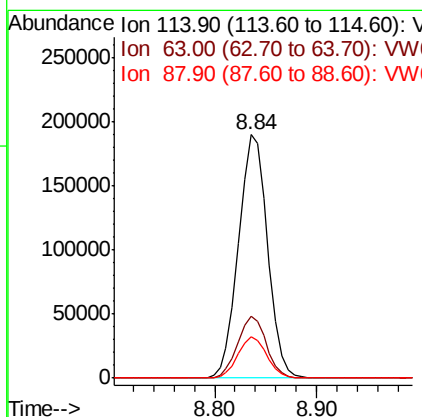
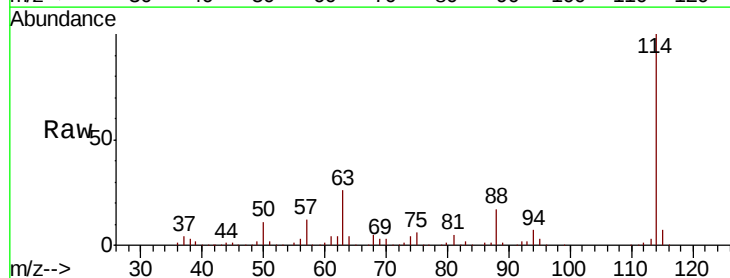
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

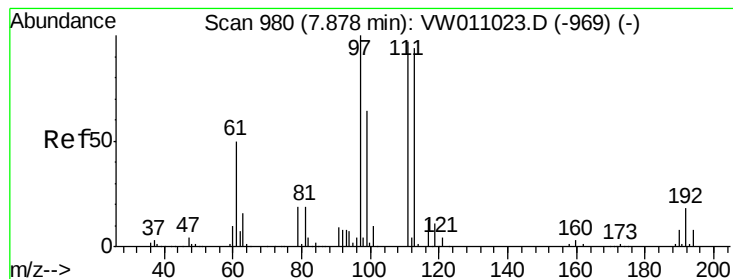
Tot Ion: 65 Resp: 148409
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 114 Resp: 373686
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.6
 88 17.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.033 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

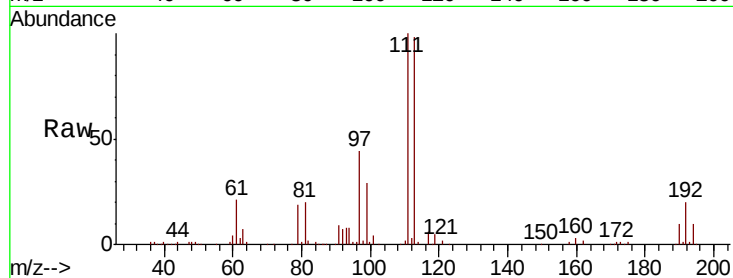
Tot Ion:113 Resp: 116450

Ion Ratio Lower Upper

113 100

111 103.5 83.8 125.6

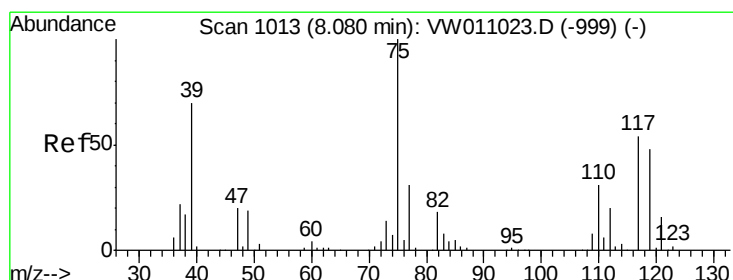
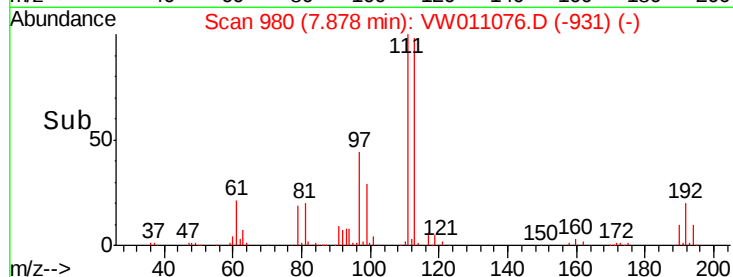
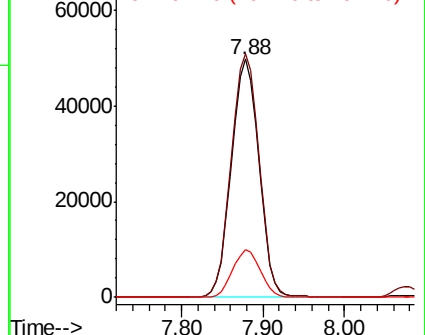
192 19.9 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.021 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

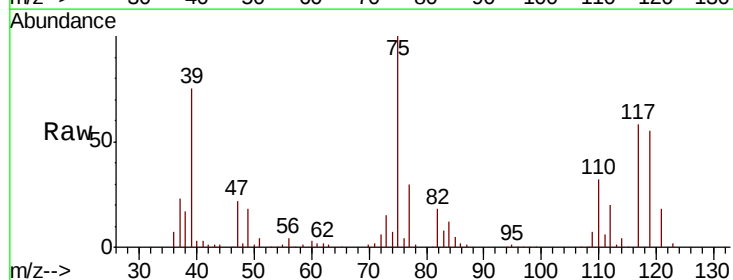
Tgt Ion: 75 Resp: 88445

Ion Ratio Lower Upper

75 100

110 31.9 15.5 46.5

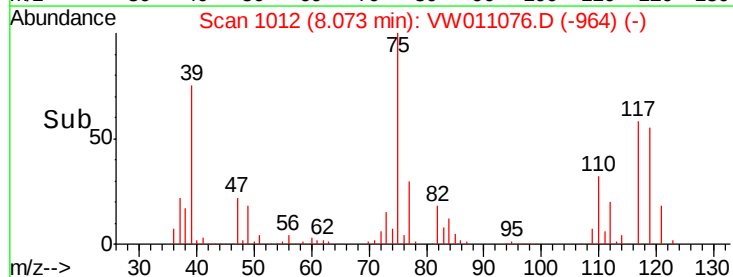
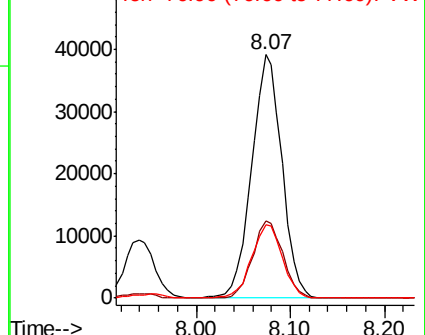
77 31.0 24.9 37.3

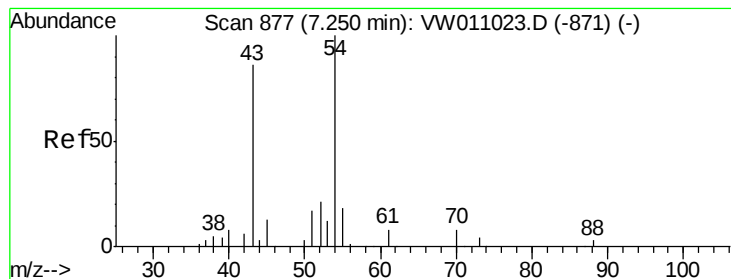


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 20.010 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

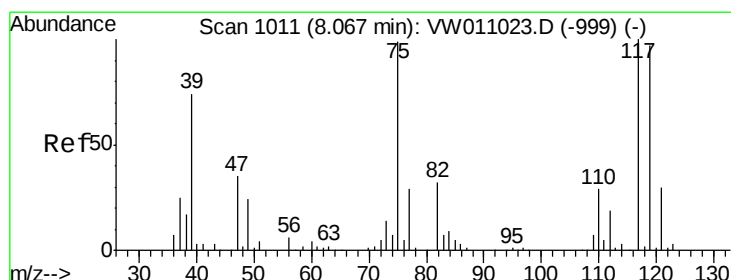
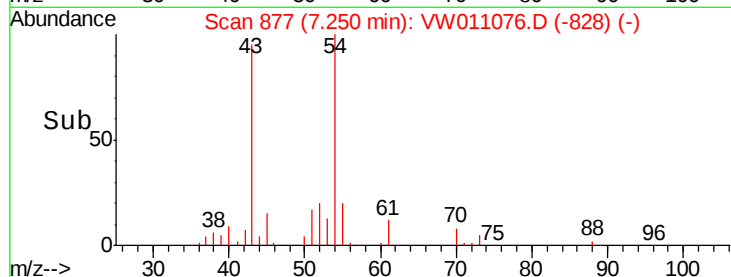
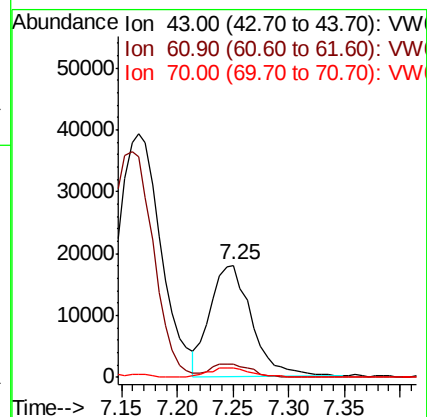
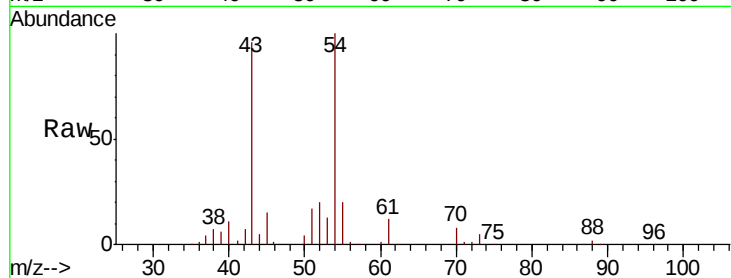
Tot Ion: 43 Resp: 46755

Ion Ratio Lower Upper

43 100

61 12.3 9.0 13.4

70 8.8 7.2 10.8



#38

Carbon Tetrachloride

Concen: 22.408 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

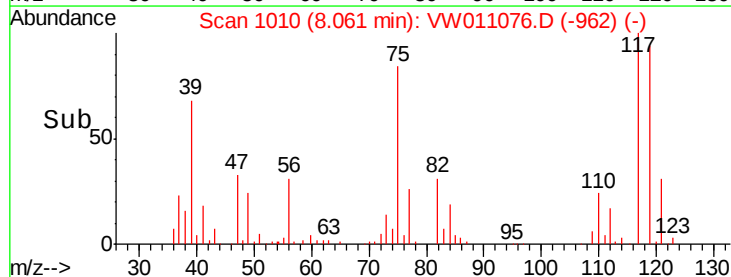
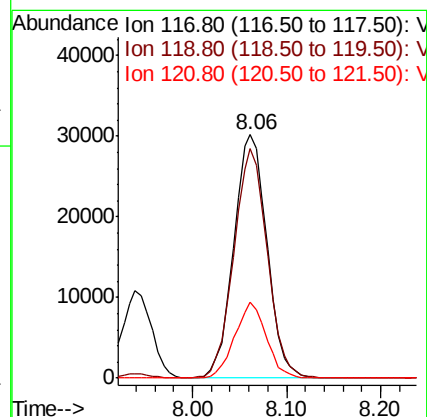
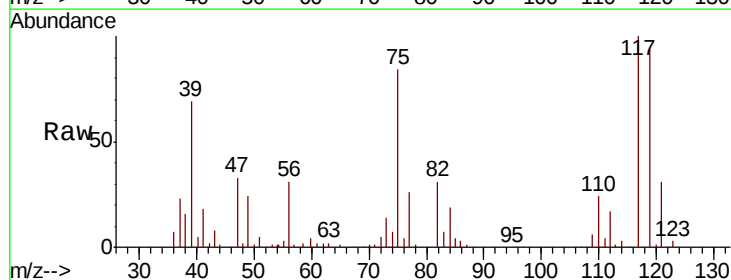
Tgt Ion: 117 Resp: 74119

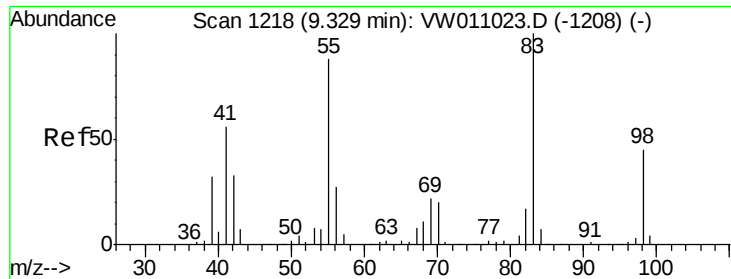
Ion Ratio Lower Upper

117 100

119 94.3 77.7 116.5

121 31.3 23.9 35.9

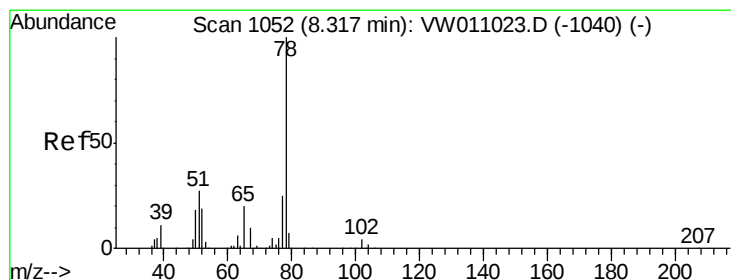
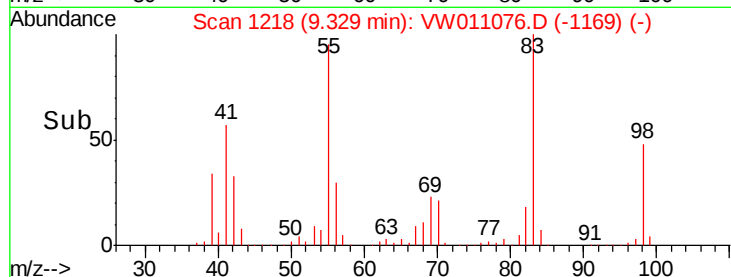
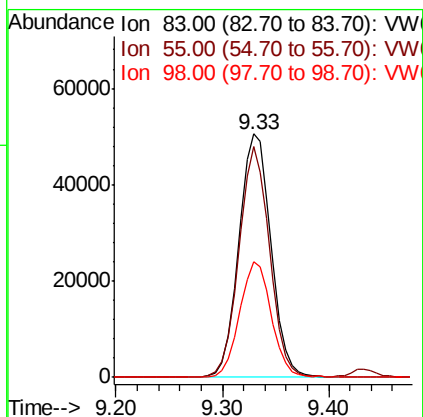
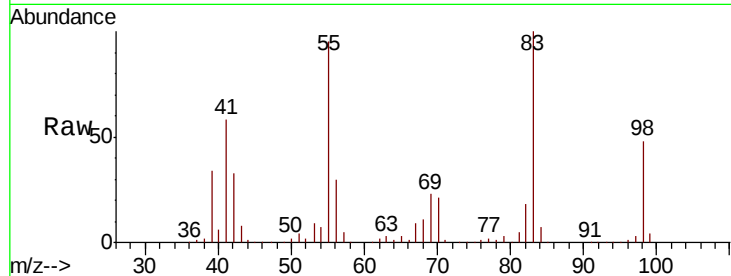




#39
Methvlcvclohexane
Concen: 21.632 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

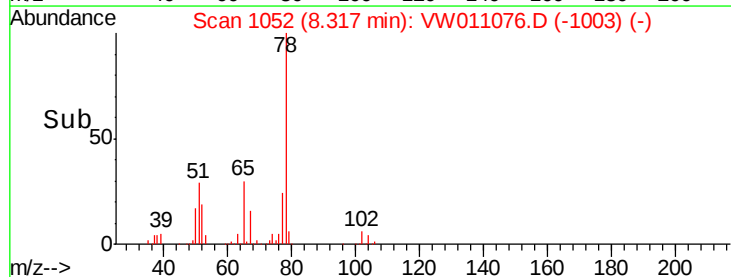
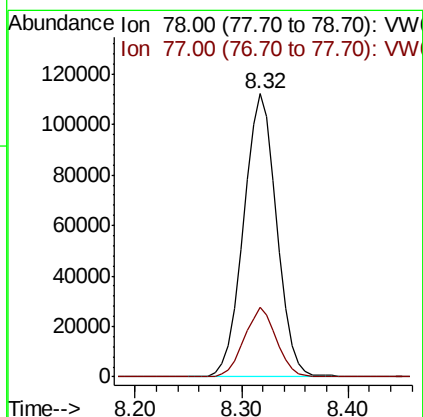
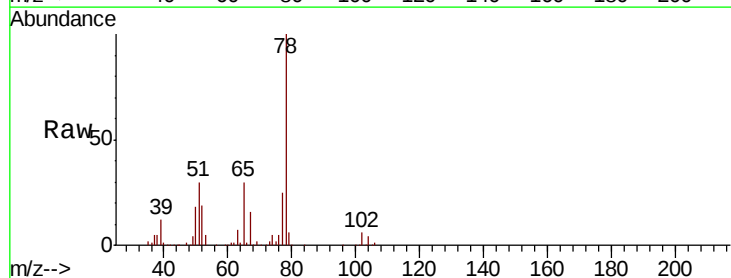
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

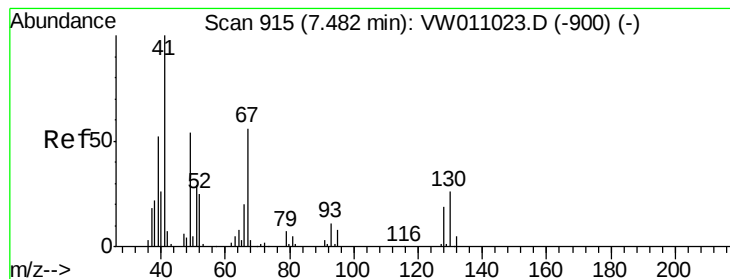
Tot Ion: 83 Resp: 106927
Ion Ratio Lower Upper
83 100
55 94.5 70.7 106.1
98 47.7 36.4 54.6



#40
Benzene
Concen: 22.074 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 78 Resp: 243856
Ion Ratio Lower Upper
78 100
77 24.6 19.7 29.5





#41

Methacrylonitrile

Concen: 21.455 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 41 Resp: 30499

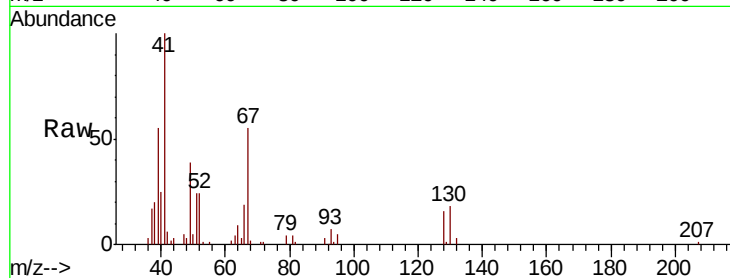
Ion Ratio Lower Upper

41 100

39 52.1 42.1 63.1

67 53.8 44.2 66.2

52 24.5 21.0 31.6

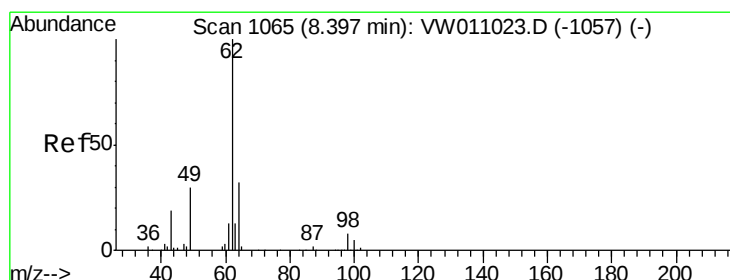
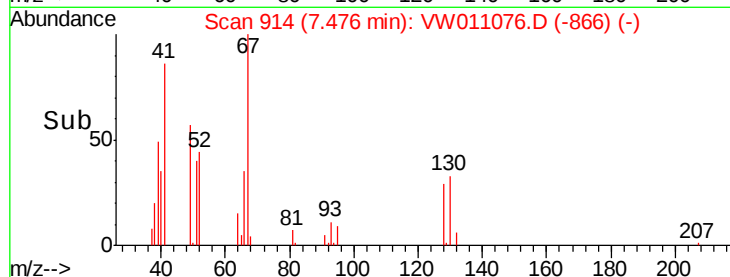
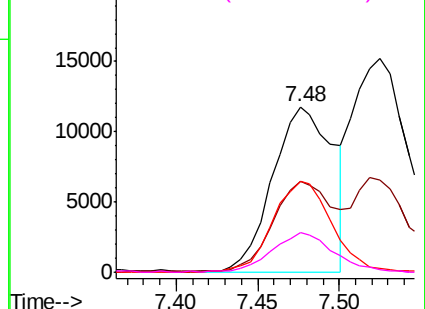


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.315 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011076.D

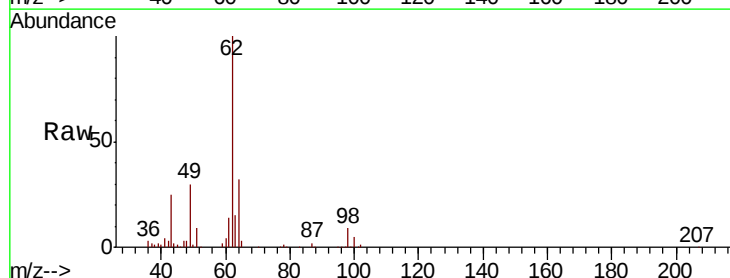
Acq: 01 Jul 2019 11:20

Tgt Ion: 62 Resp: 77205

Ion Ratio Lower Upper

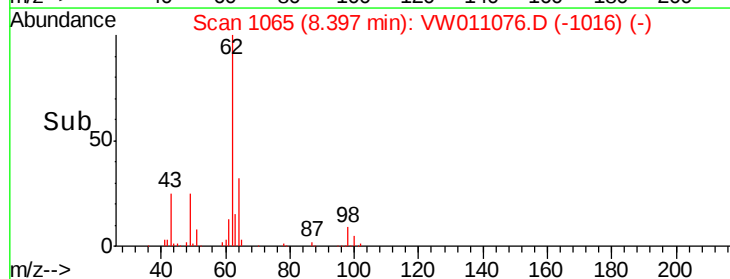
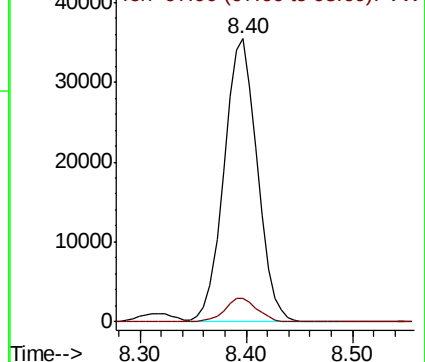
62 100

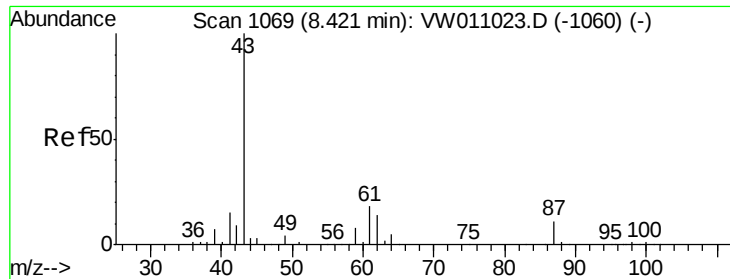
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.134 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

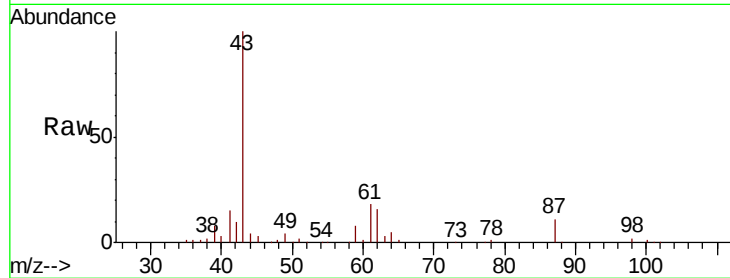
Tot Ion: 43 Resp: 88995

Ion Ratio Lower Upper

43 100

61 26.4 21.0 31.6

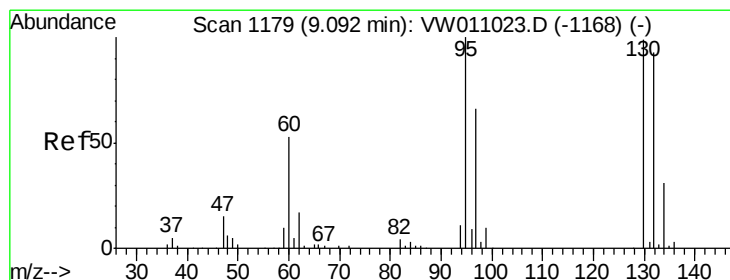
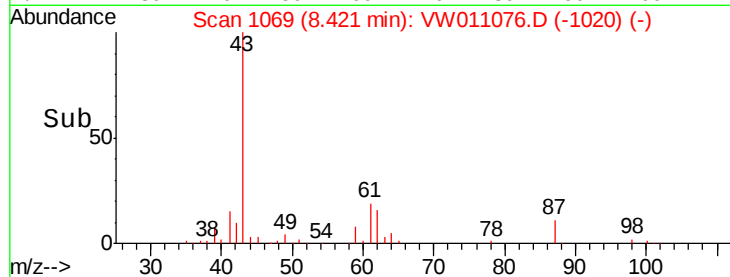
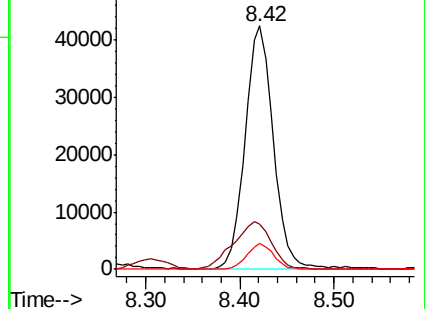
87 10.4 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.700 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011076.D

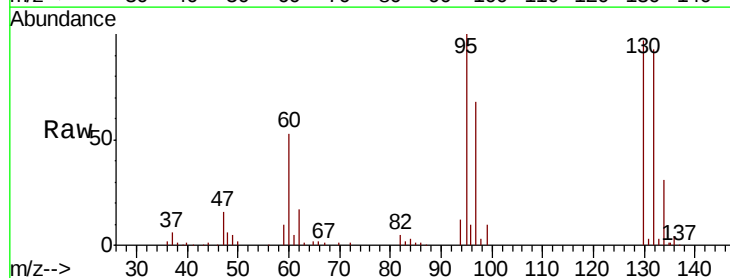
Acq: 01 Jul 2019 11:20

Tgt Ion: 130 Resp: 57934

Ion Ratio Lower Upper

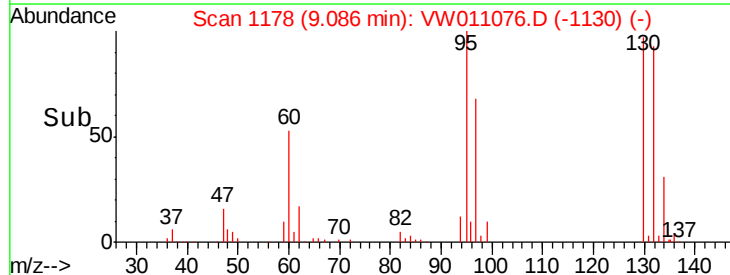
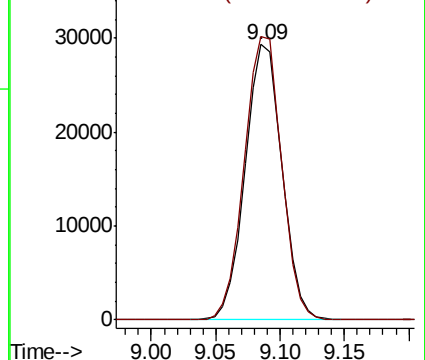
130 100

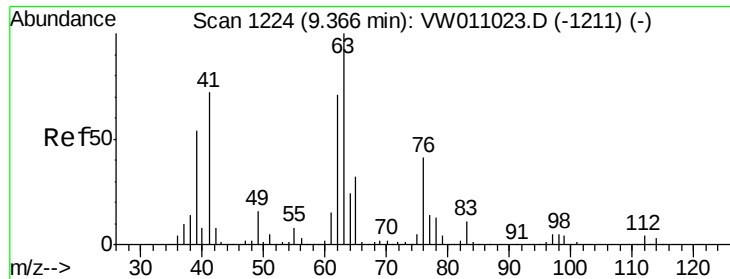
95 102.8 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

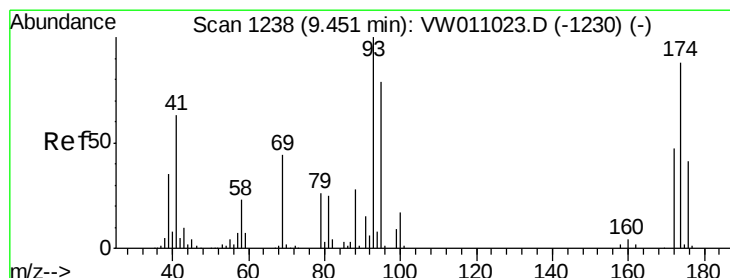
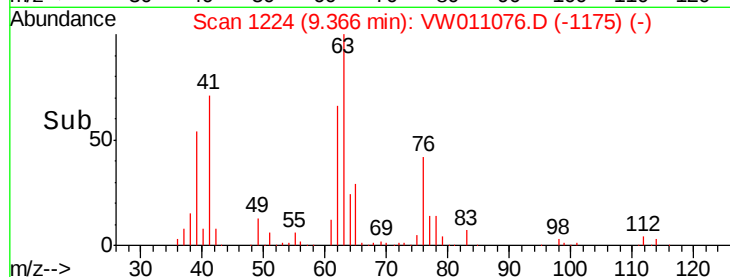
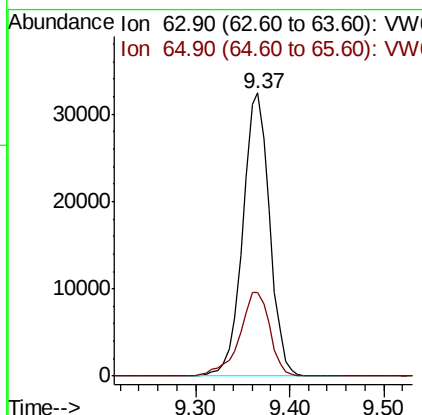
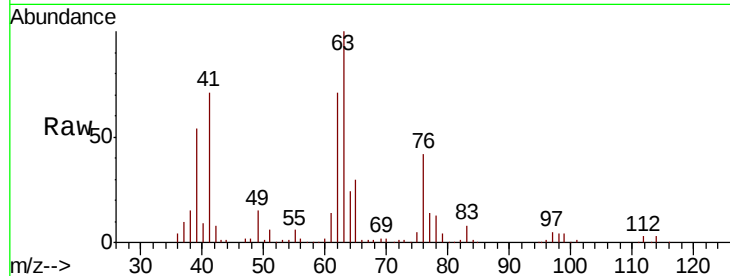




#45
 1,2-Dichloropropane
 Concen: 21.509 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

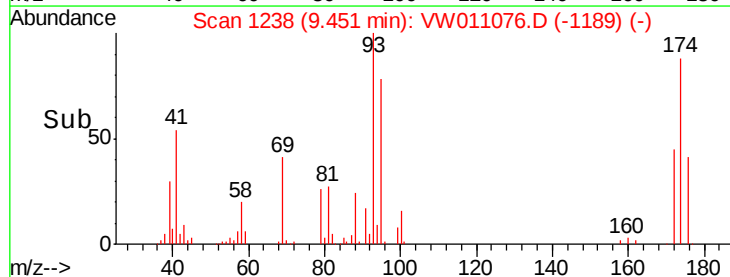
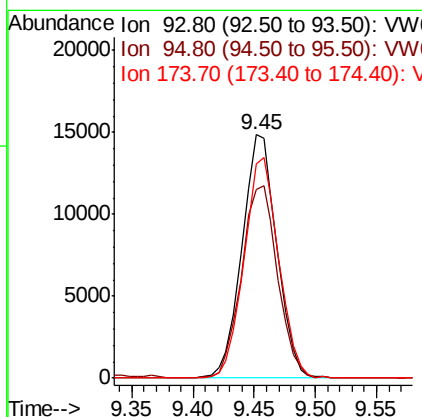
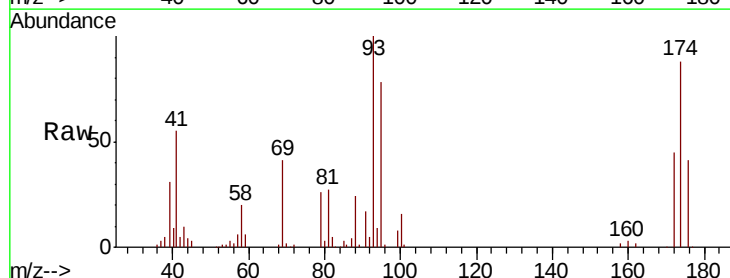
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

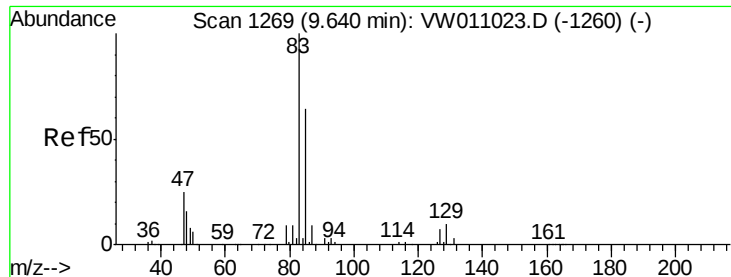
Tot Ion: 63 Resp: 64525
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.6 38.4



#46
 Dibromomethane
 Concen: 20.936 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 93 Resp: 29374
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.8 98.6
 174 90.0 75.4 113.0

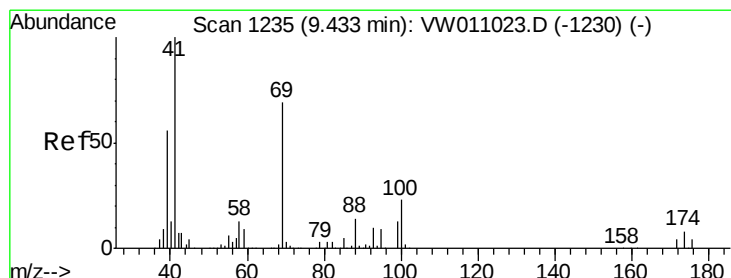
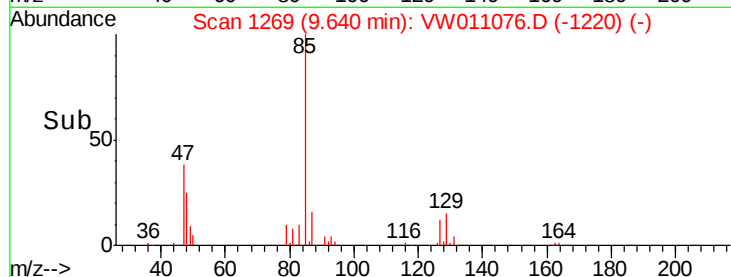
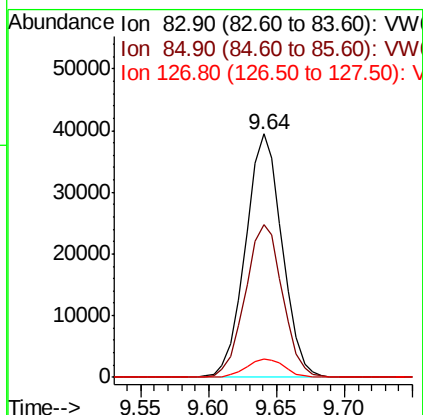
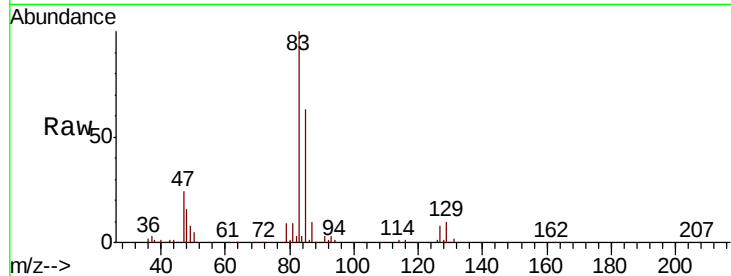




#47
Bromodichloromethane
Concen: 21.336 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

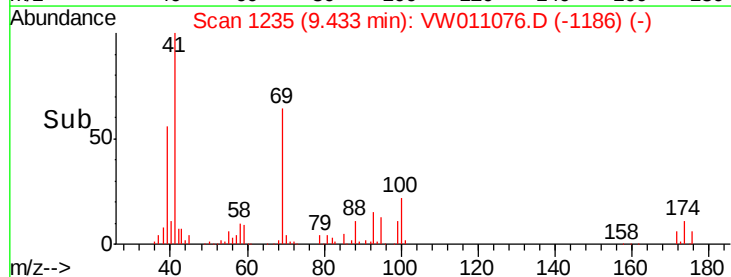
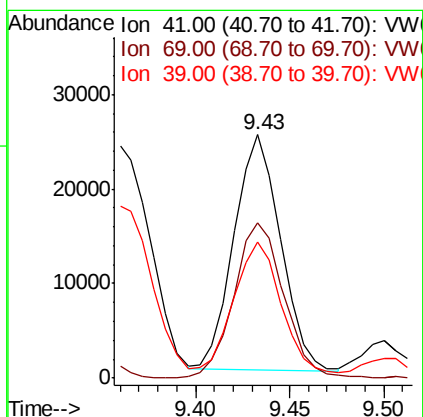
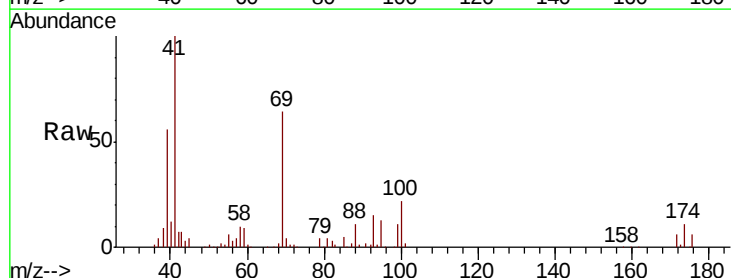
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

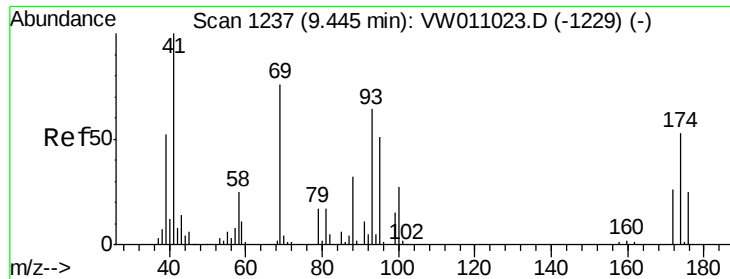
Tot Ion: 83 Resp: 74114
Ion Ratio Lower Upper
83 100
85 62.6 51.0 76.4
127 7.7 5.8 8.8



#48
Methyl methacrylate
Concen: 19.897 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 41 Resp: 42643
Ion Ratio Lower Upper
41 100
69 69.8 56.7 85.1
39 61.1 45.0 67.6





#49

1,4-Dioxane

Concen: 375.416 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

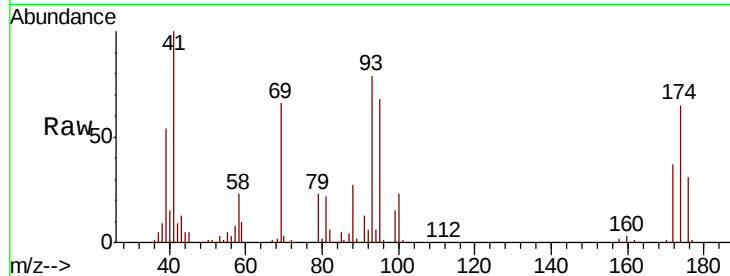
Tot Ion: 88 Resp: 8856

Ion Ratio Lower Upper

88 100

43 45.8 34.4 51.6

58 86.9 65.2 97.8

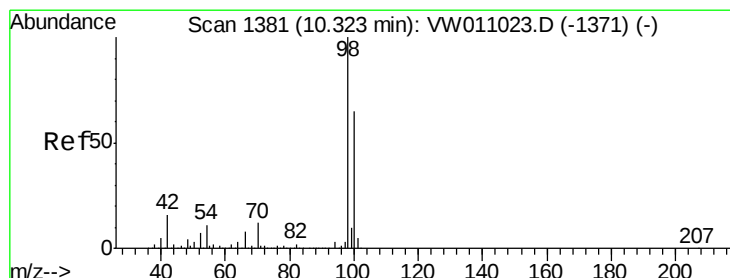
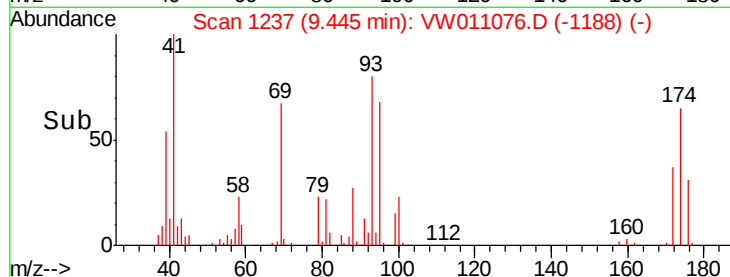
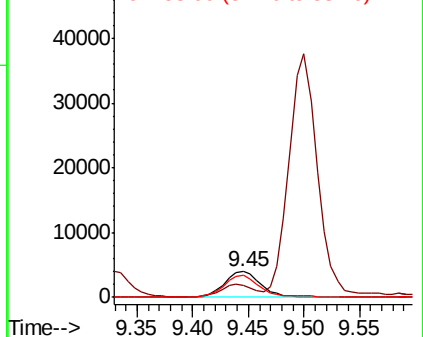


Abundance

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: 51.675 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011076.D

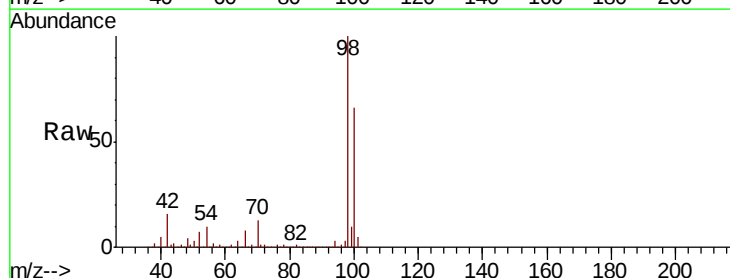
Acq: 01 Jul 2019 11:20

Tgt Ion: 98 Resp: 485373

Ion Ratio Lower Upper

98 100

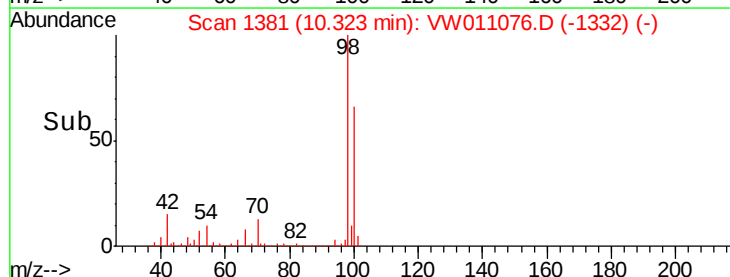
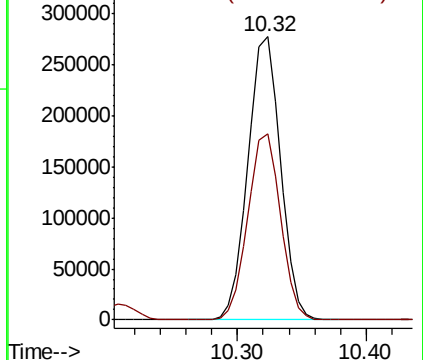
100 66.0 52.3 78.5

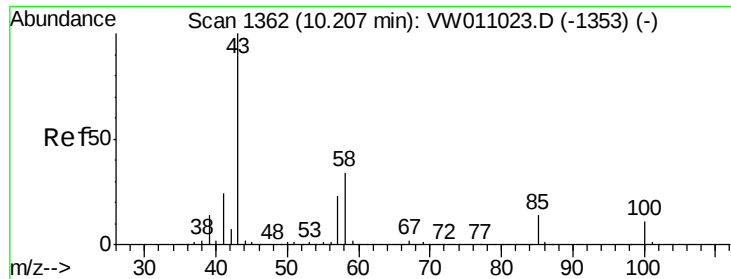


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 98.153 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

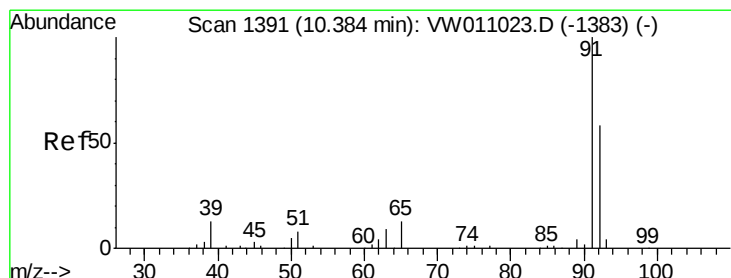
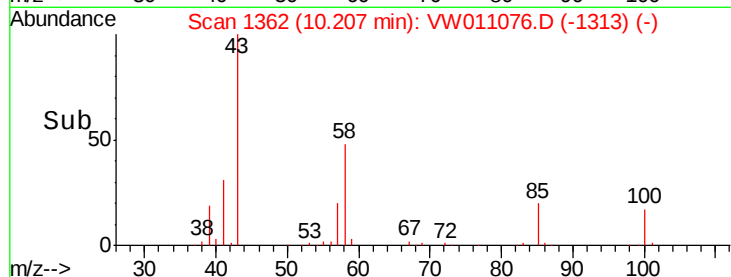
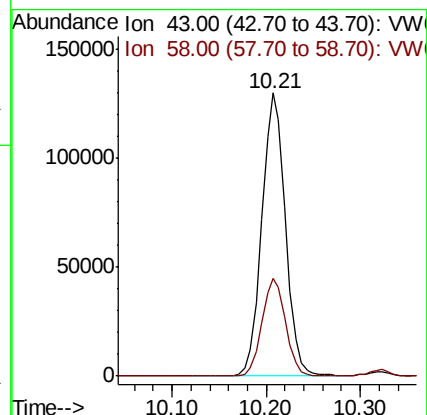
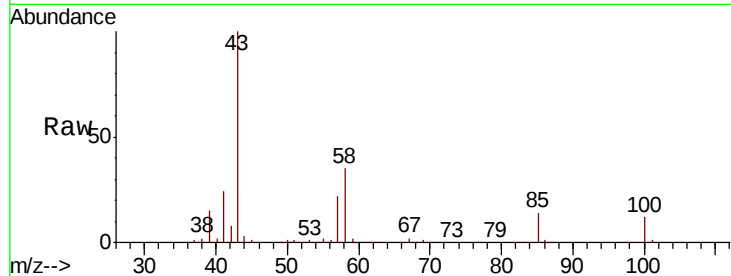
VW0701SBS01

Tot Ion: 43 Resp: 228375

Ion Ratio Lower Upper

43 100

58 34.8 27.8 41.6



#52

Toluene

Concen: 21.838 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011076.D

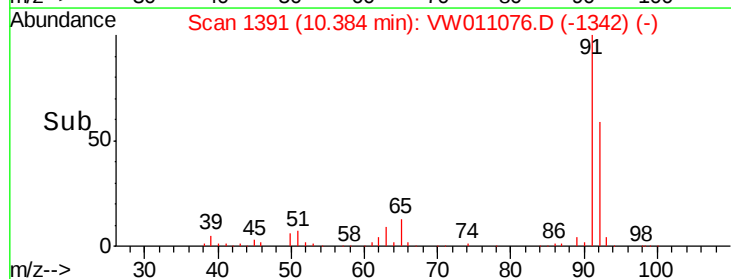
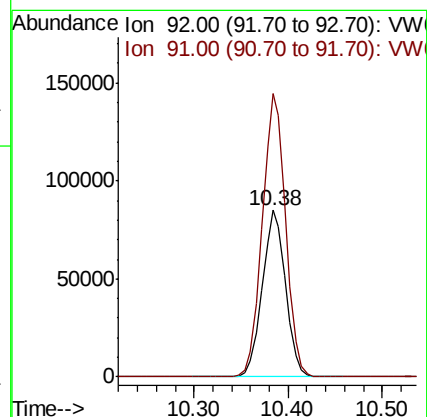
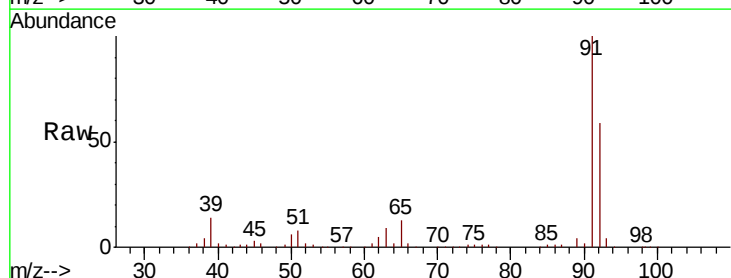
Acq: 01 Jul 2019 11:20

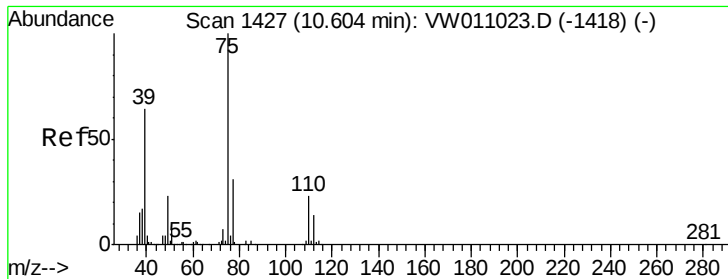
Tgt Ion: 92 Resp: 147696

Ion Ratio Lower Upper

92 100

91 170.3 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 21.182 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

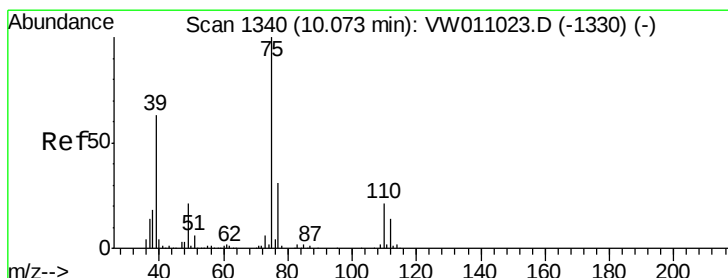
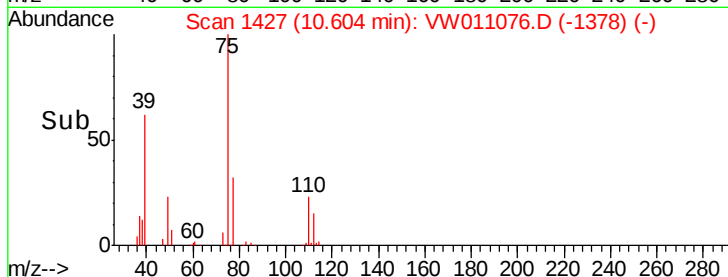
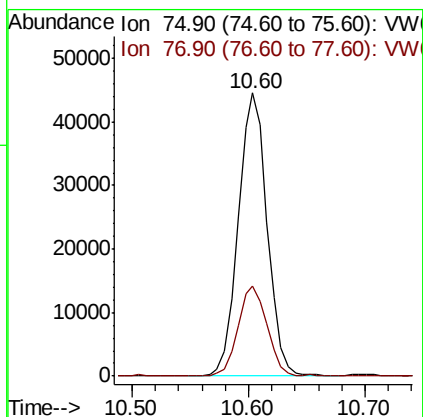
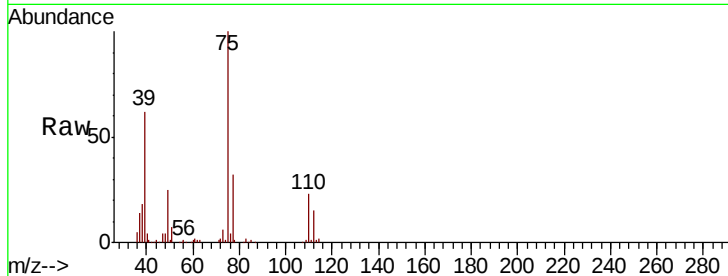
VW0701SBS01

Tot Ion: 75 Resp: 76638

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 21.504 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

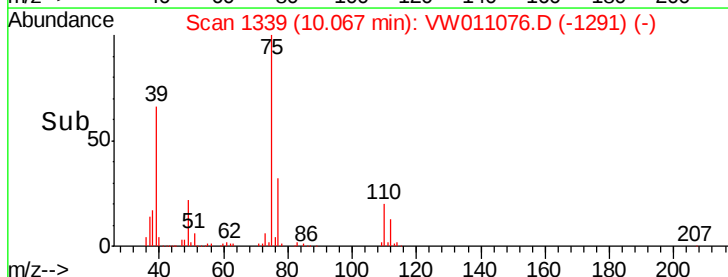
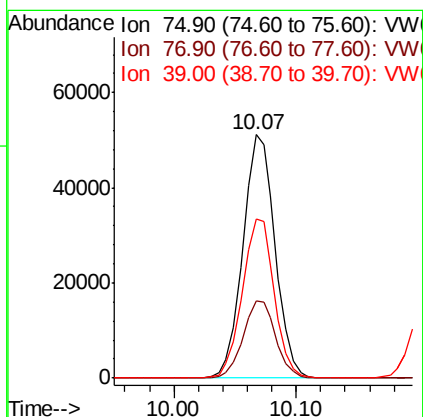
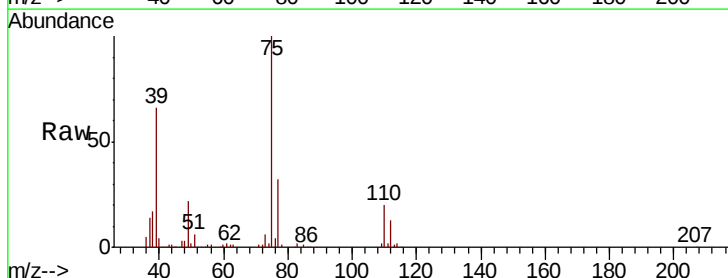
Tgt Ion: 75 Resp: 92811

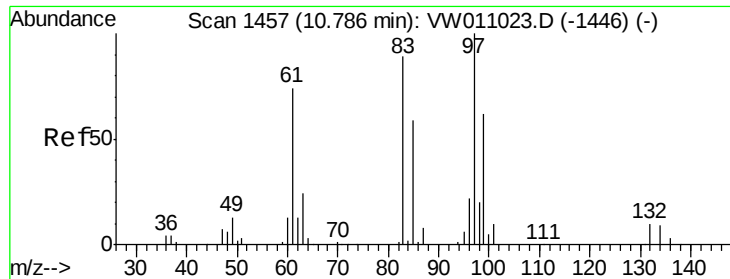
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 65.5 50.0 75.0





#55

1,1,2-Trichloroethane

Concen: 20.671 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 97 Resp: 40974

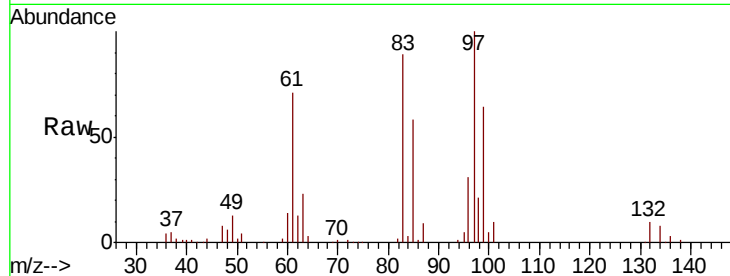
Ion Ratio Lower Upper

97 100

83 89.1 70.9 106.3

85 58.3 47.2 70.8

99 64.1 50.0 75.0

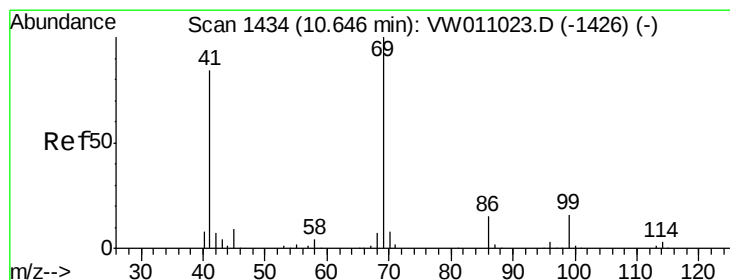
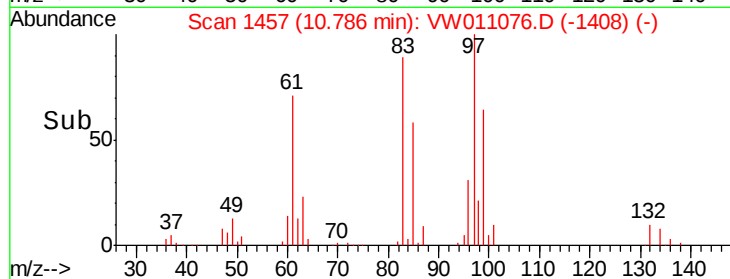
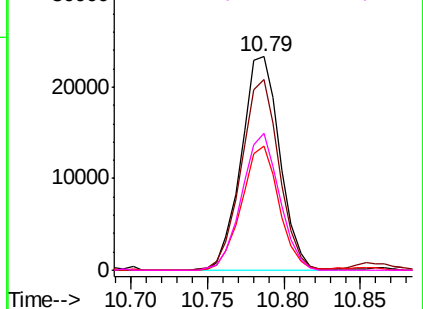


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 20.085 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

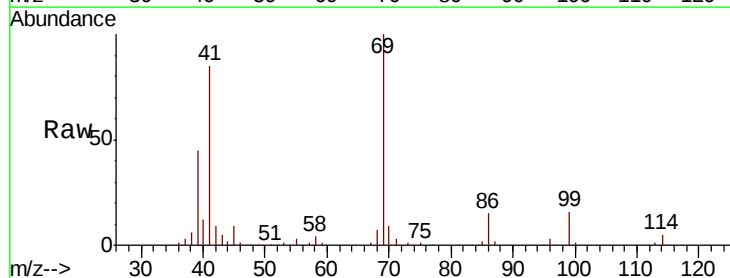
Tgt Ion: 69 Resp: 59618

Ion Ratio Lower Upper

69 100

41 86.9 67.9 101.9

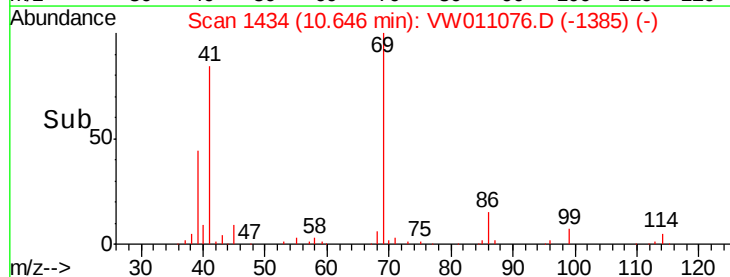
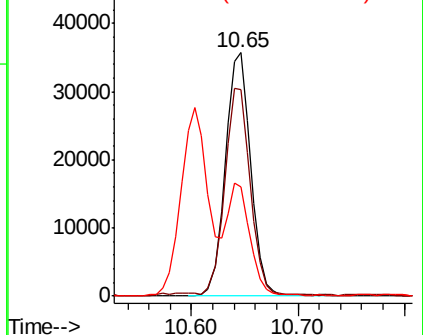
39 40.3 33.2 49.8

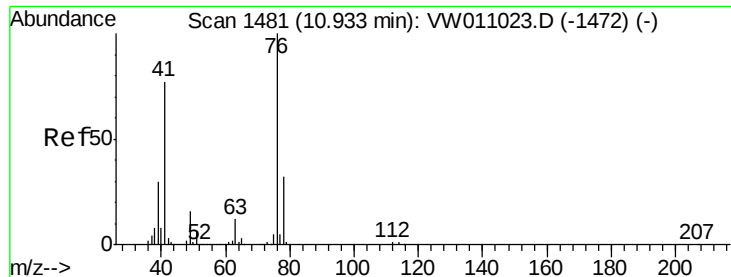


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

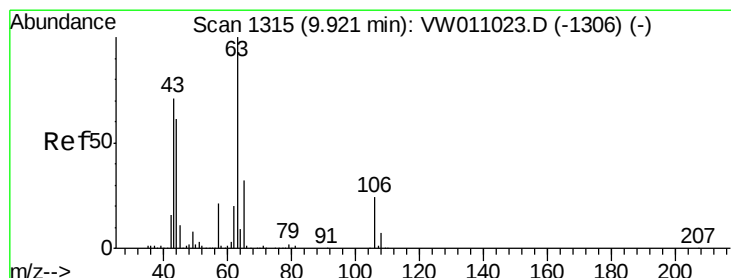
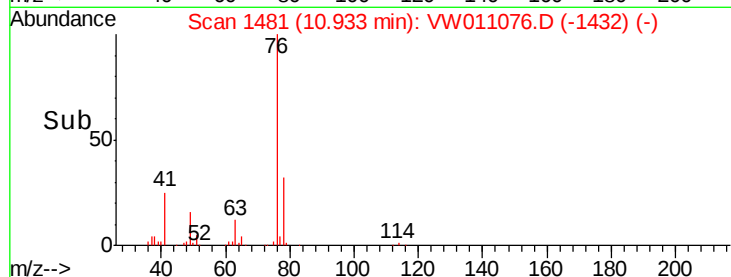
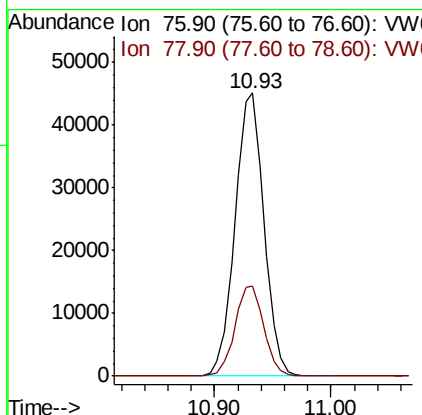
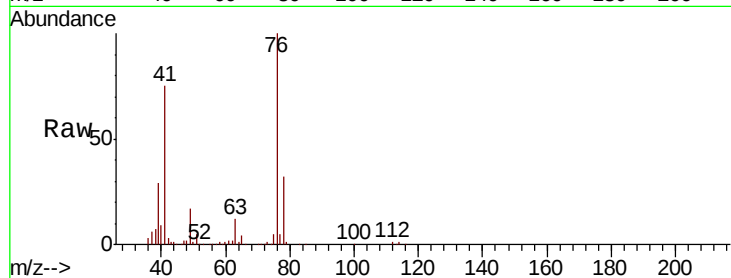




#57
 1,3-Dichloropropane
 Concen: 20.741 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

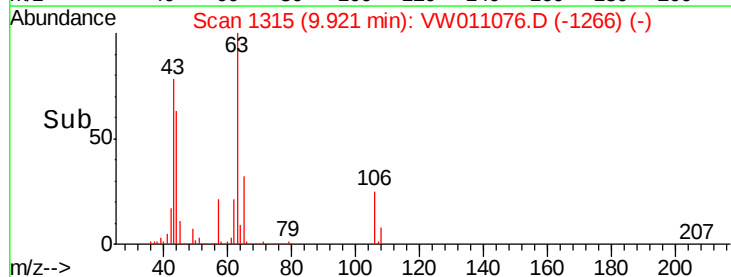
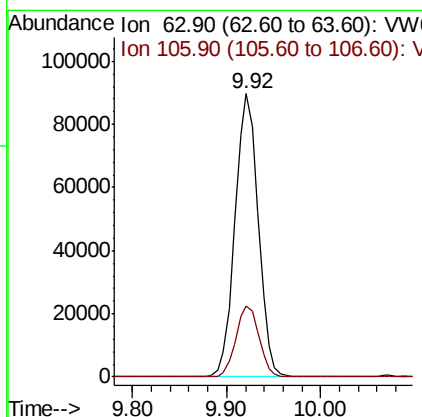
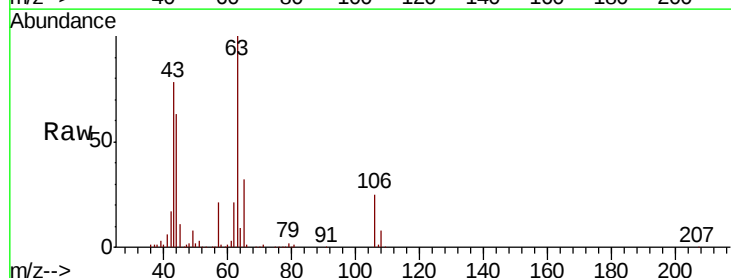
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

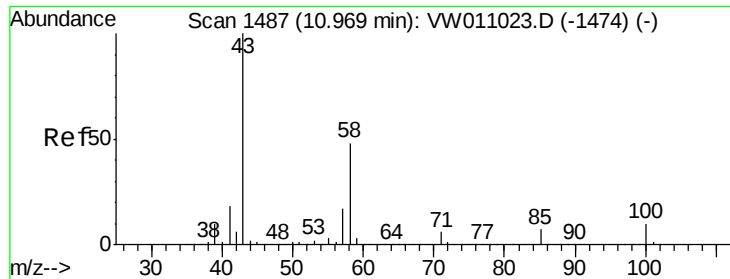
Tot Ion: 76 Resp: 78204
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.169 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 63 Resp: 153441
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.4 29.0





#59

2-Hexanone

Concen: 98.423 ug/l

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampled :

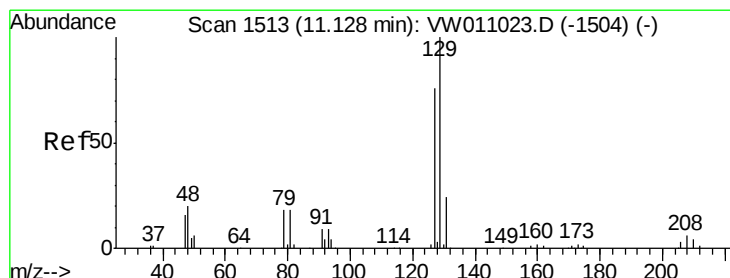
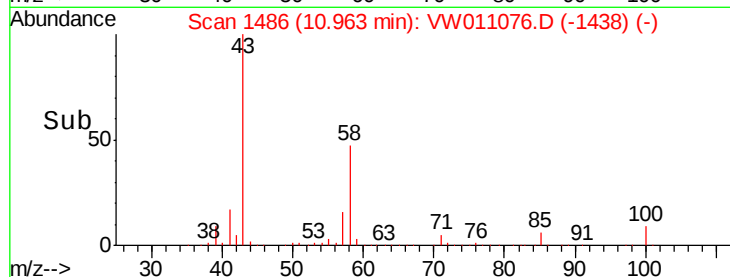
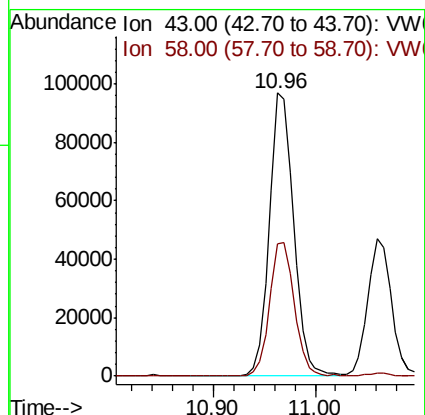
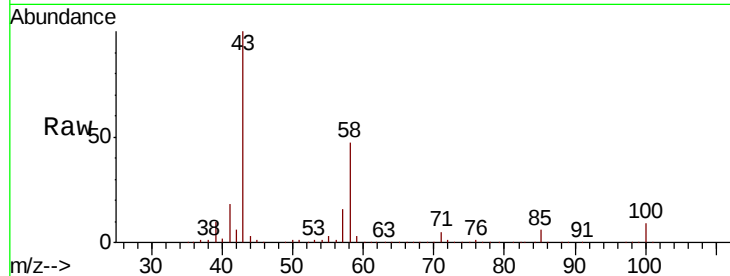
VW0701SBS01

Tot Ion: 43 Resp: 159700

Ion Ratio Lower Upper

43 100

58 48.2 23.8 71.5



#60

Dibromochloromethane

Concen: 21.034 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW011076.D

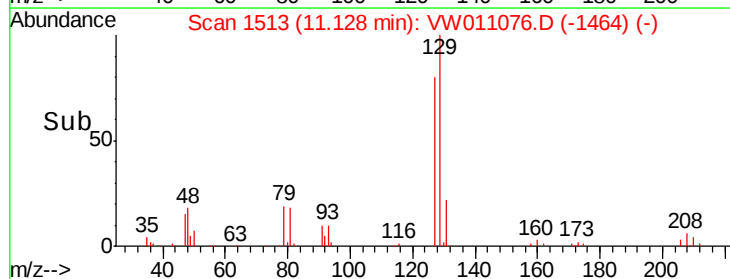
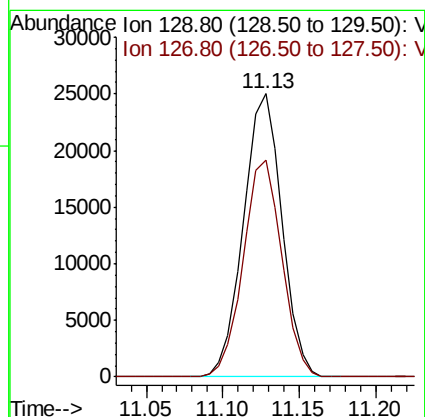
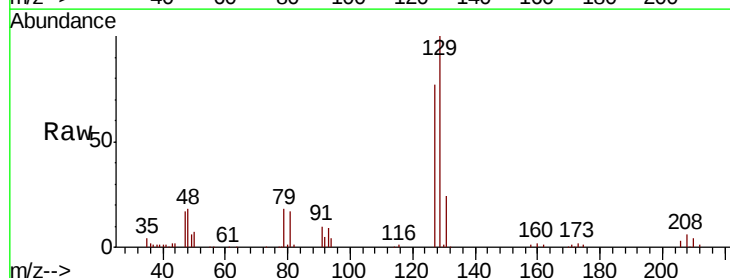
Acq: 01 Jul 2019 11:20

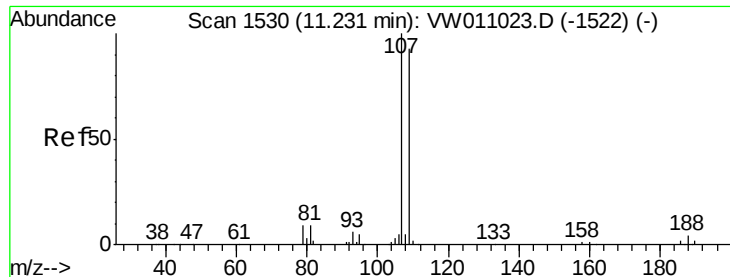
Tgt Ion: 129 Resp: 43722

Ion Ratio Lower Upper

129 100

127 77.1 39.4 118.1

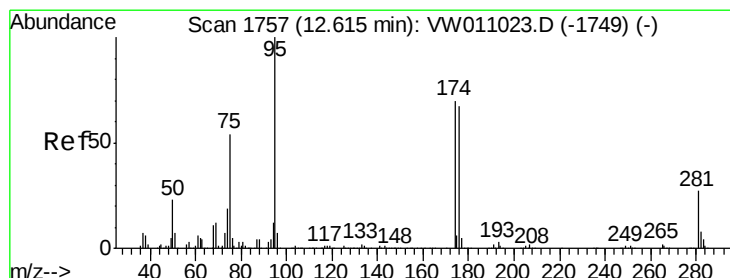
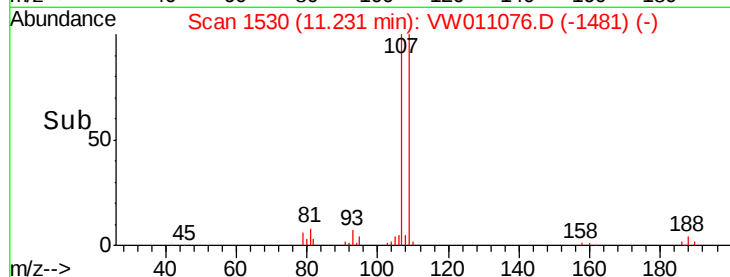
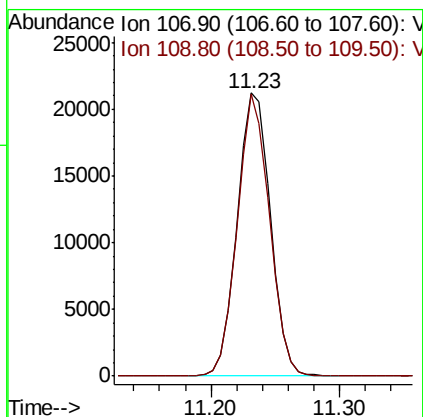
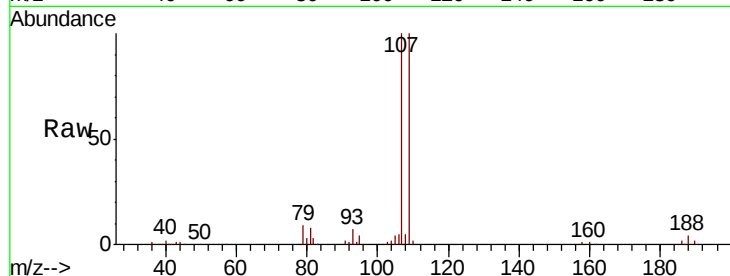




#61
1,2-Dibromoethane
Concen: 20.419 ug/l
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

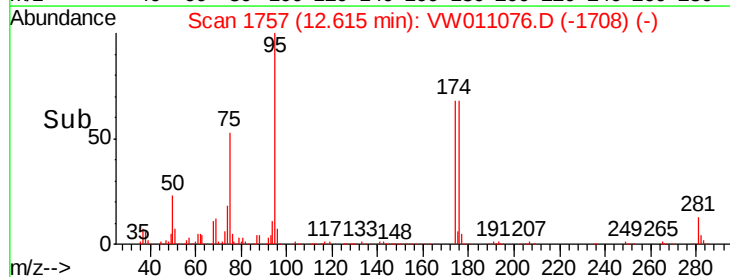
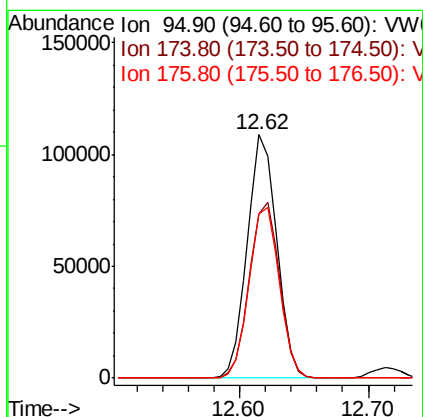
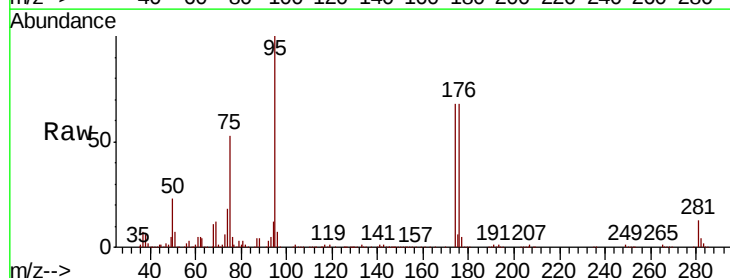
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

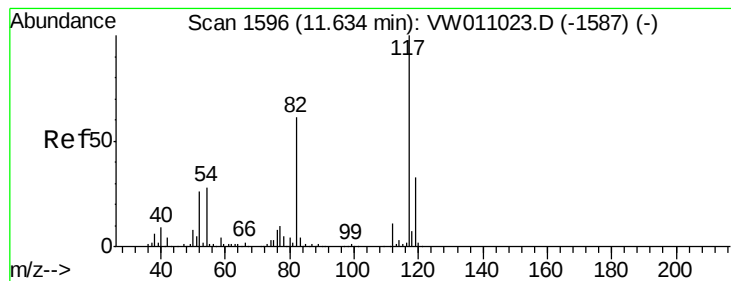
Tot Ion: 107 Resp: 37891
Ion Ratio Lower Upper
107 100
109 96.1 75.1 112.7



#62
4-Bromofluorobenzene
Concen: 50.005 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 95 Resp: 171787
Ion Ratio Lower Upper
95 100
174 74.1 0.0 149.2
176 71.9 0.0 143.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

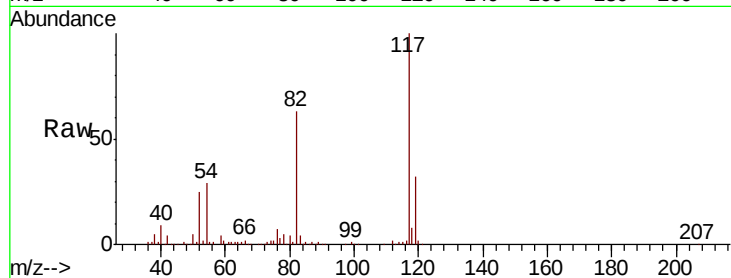
MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion:117 Resp: 328497

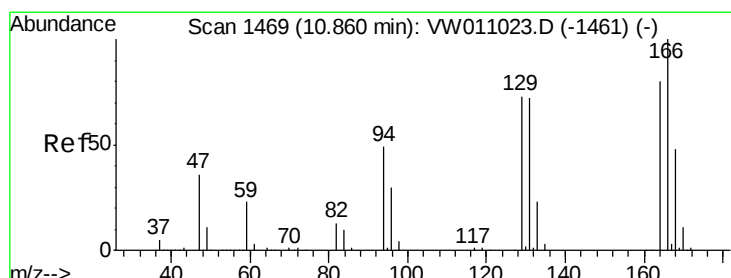
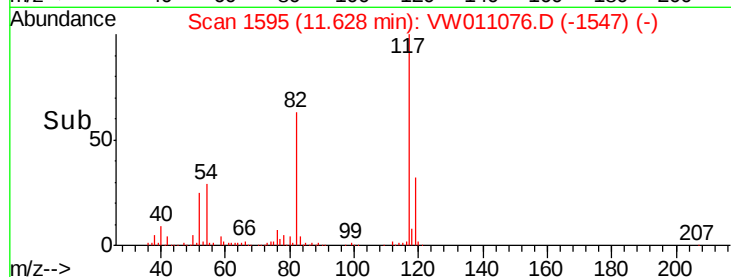
Ion	Ratio	Lower	Upper
117	100		
82	62.6	48.6	73.0
119	32.2	26.1	39.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.259 ug/l

RT: 10.86 min Scan# 1469

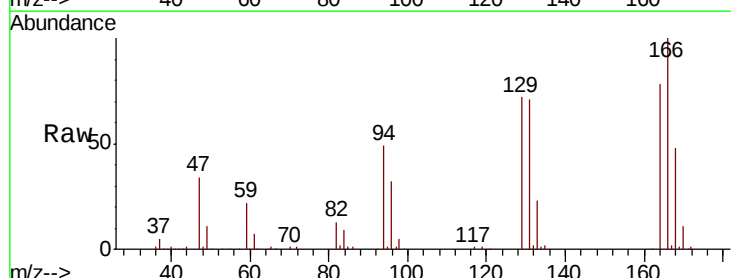
Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion:164 Resp: 48059

Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.8	149.6
129	91.5	73.0	109.4
131	90.8	71.4	107.0

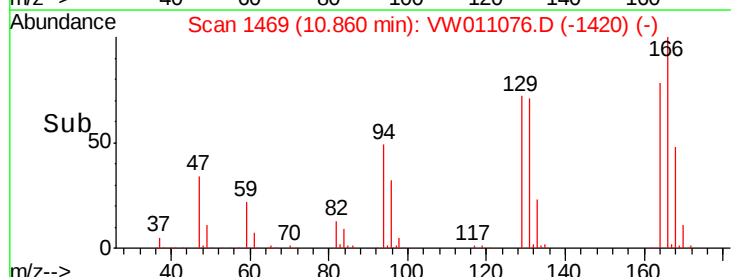


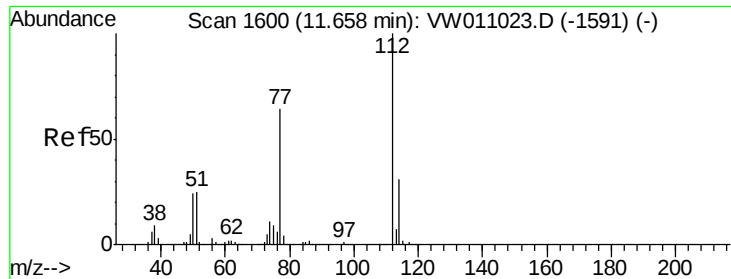
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

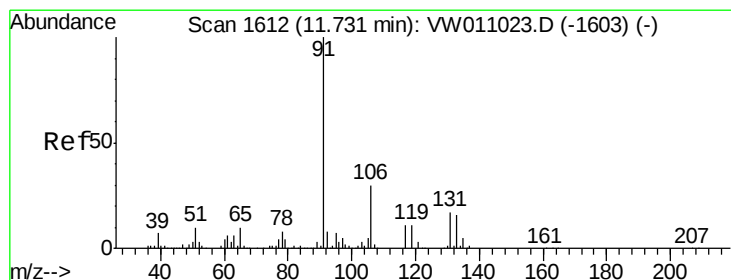
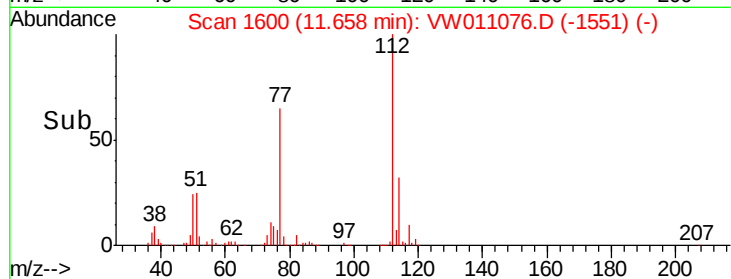
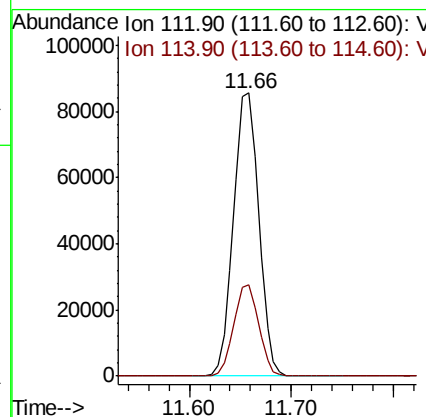
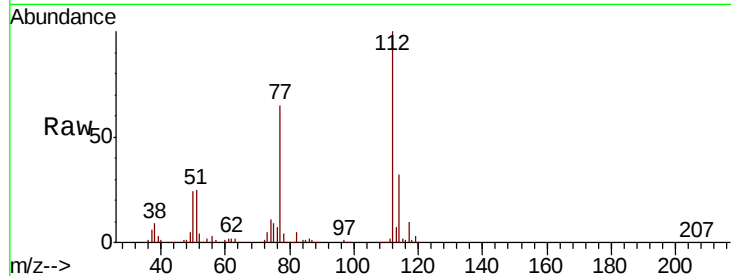




#65
Chlorobenzene
Concen: 21.806 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

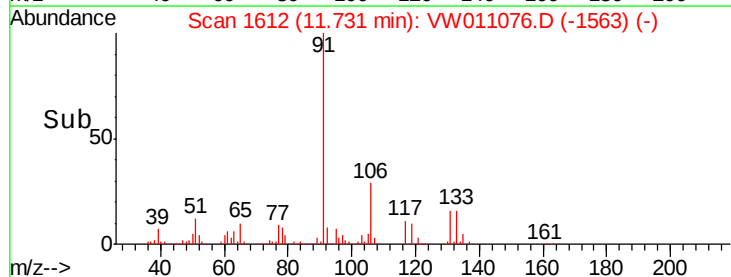
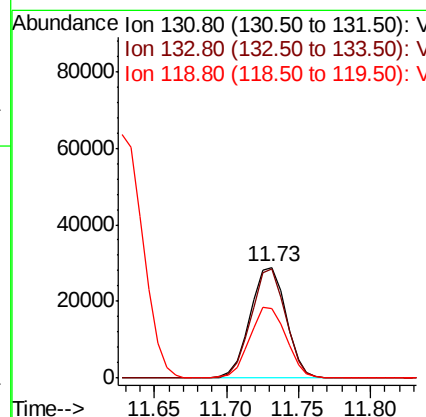
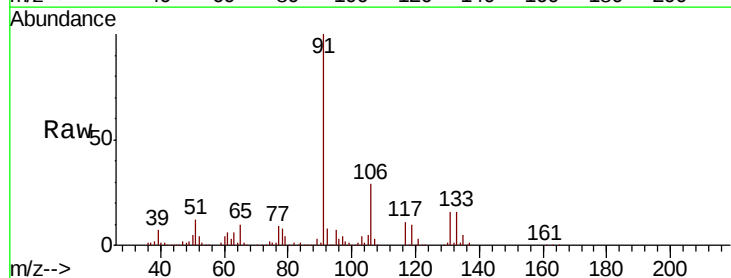
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

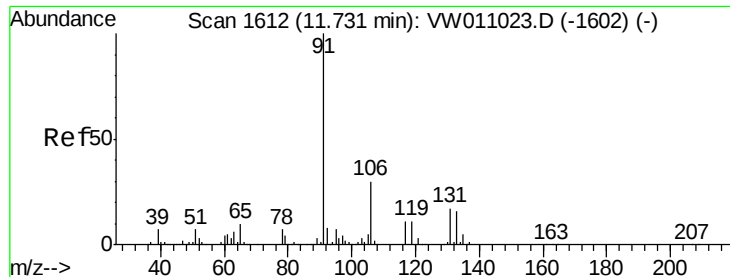
Tot Ion:112 Resp: 146629
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.875 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion:131 Resp: 49941
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 64.9 33.1 99.2

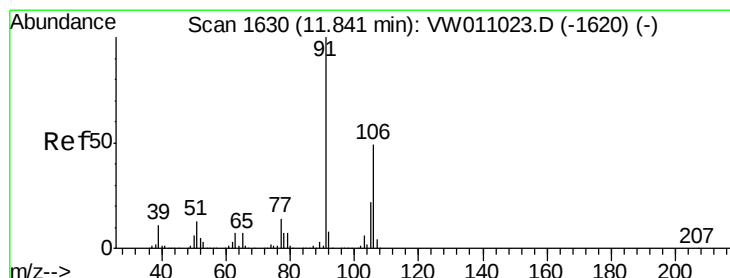
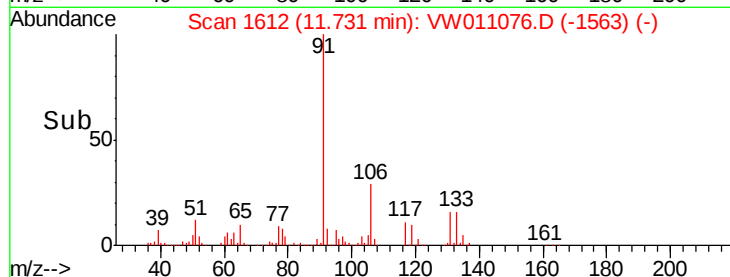
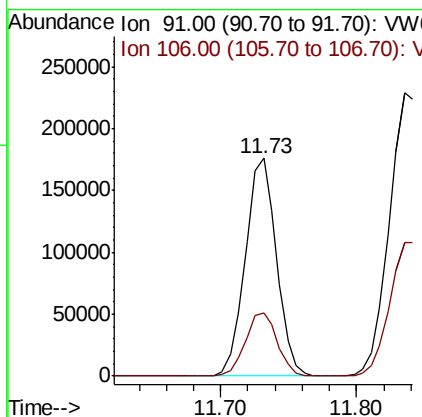
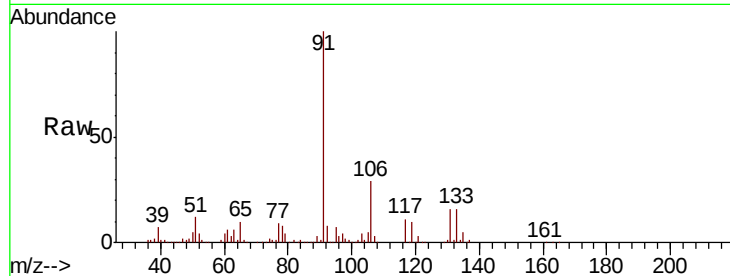




#67
Ethyl Benzene
Concen: 21.931 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

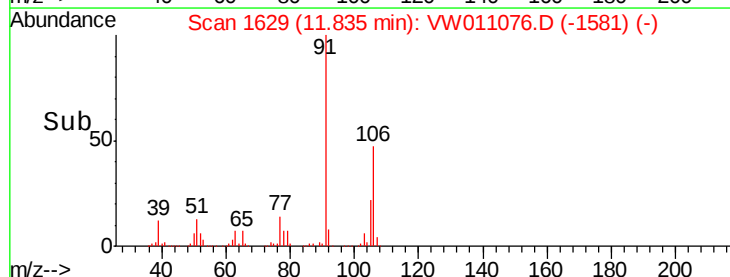
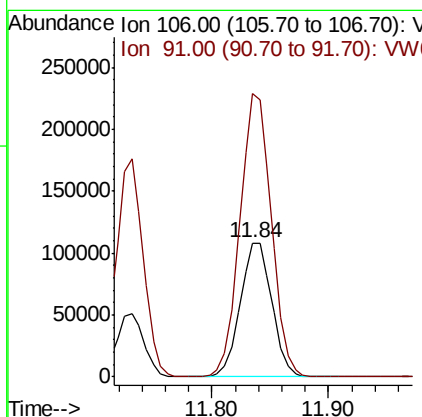
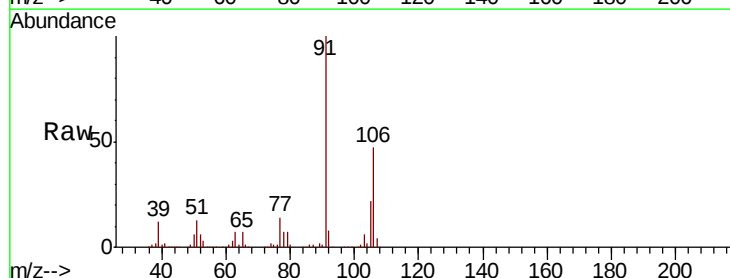
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

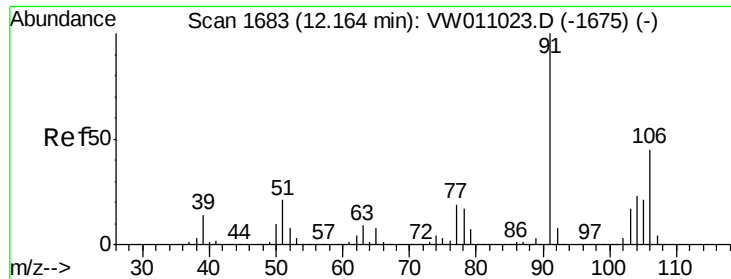
Tot Ion: 91 Resp: 282446
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6



#68
m/p-Xylenes
Concen: 43.853 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 106 Resp: 204942
Ion Ratio Lower Upper
106 100
91 209.7 167.5 251.3

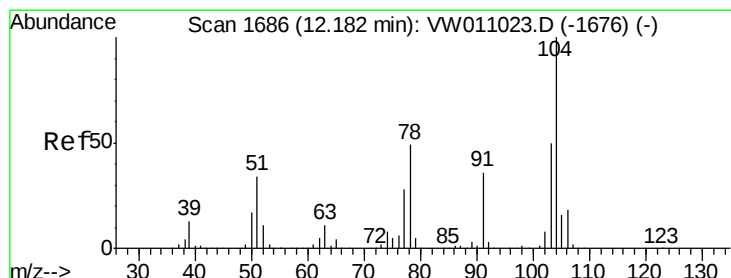
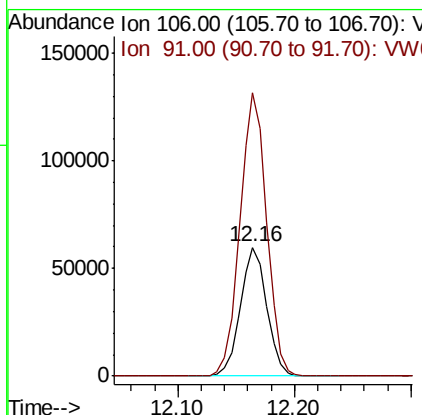
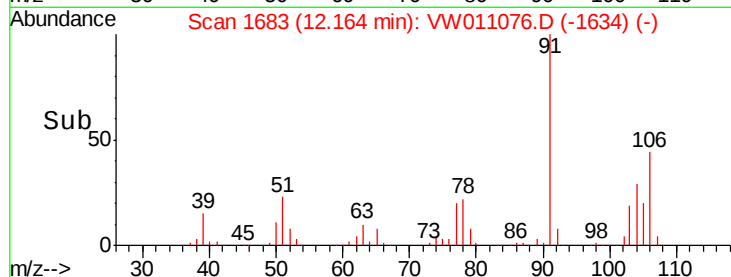
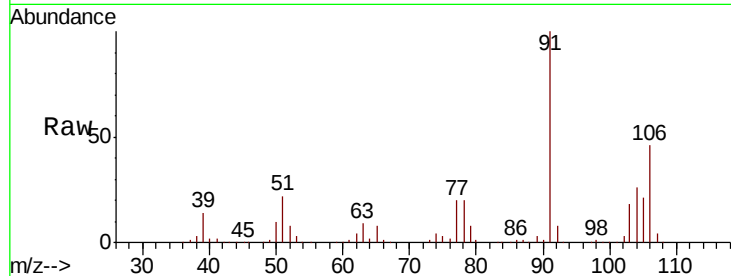




#69
o-Xylene
Concen: 21.699 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

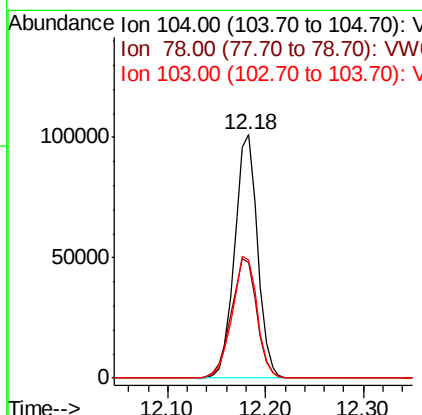
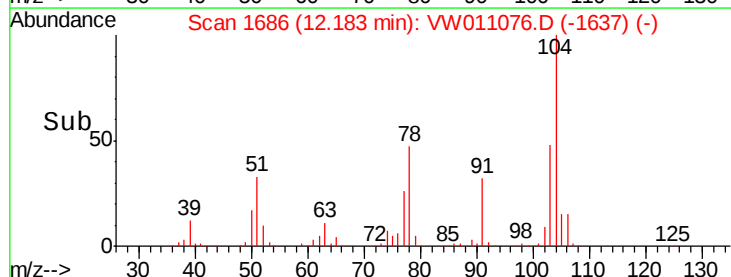
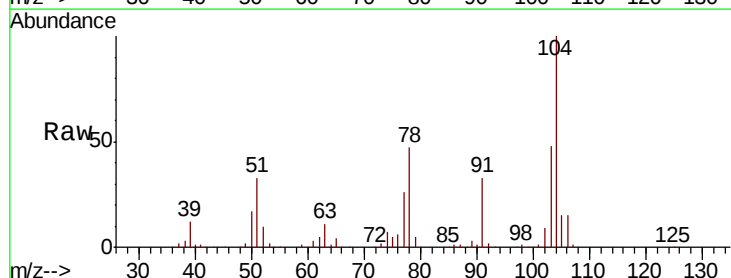
Instrument :
MSVOA_W
ClientSampled :
VW0701SBS01

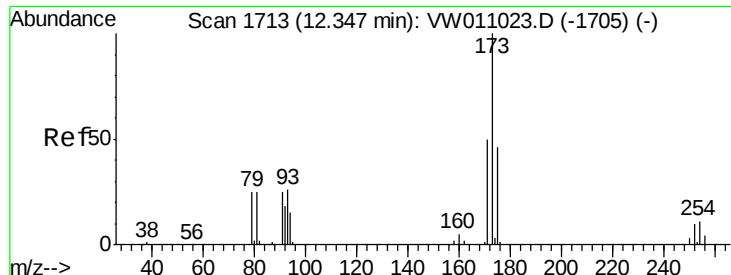
Tot Ion:106 Resp: 94452
Ion Ratio Lower Upper
106 100
91 222.3 110.8 332.3



#70
Styrene
Concen: 21.717 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion:104 Resp: 164269
Ion Ratio Lower Upper
104 100
78 54.5 43.7 65.5
103 54.6 43.9 65.9

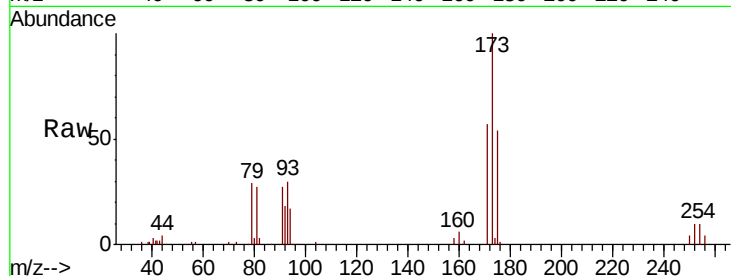




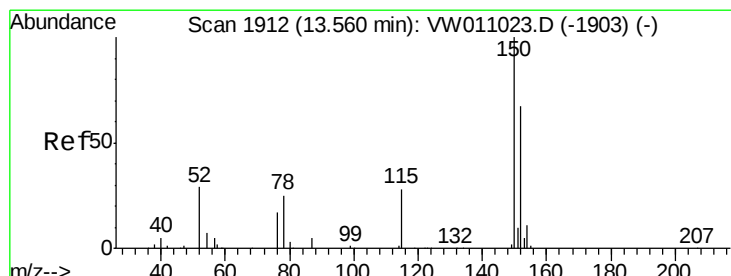
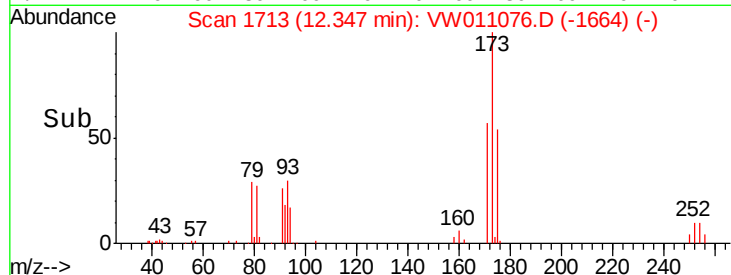
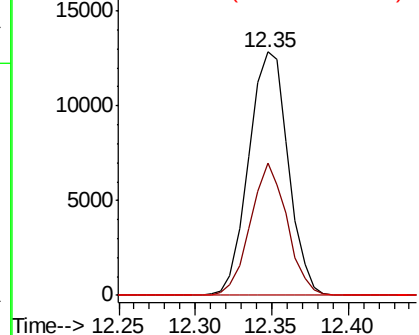
#71
Bromoform
Concen: 20.709 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion:173 Resp: 23049
Ion Ratio Lower Upper
173 100
175 50.3 24.1 72.2
254 0.0 0.0 0.0

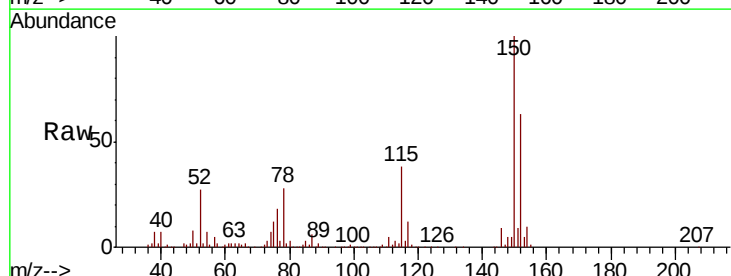


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

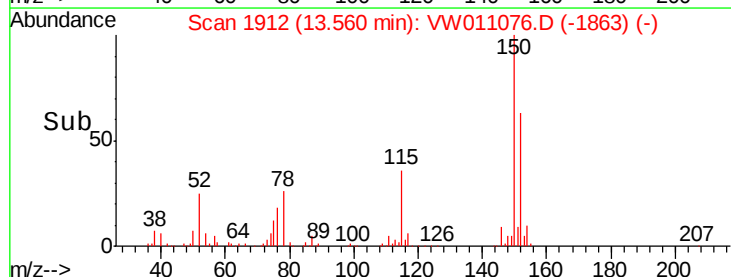
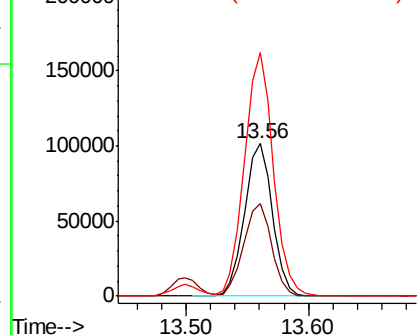


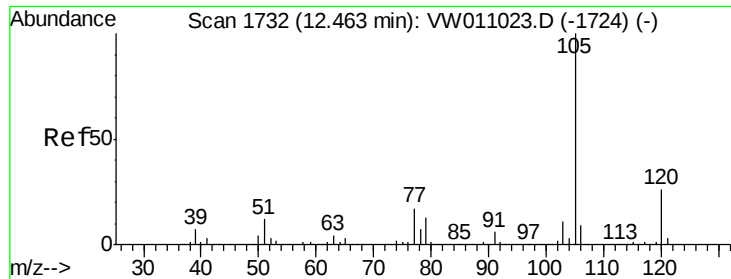
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion:152 Resp: 159706
Ion Ratio Lower Upper
152 100
115 61.3 30.7 92.1
150 165.9 0.0 341.8



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





#73

Isopropylbenzene

Concen: 22.159 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

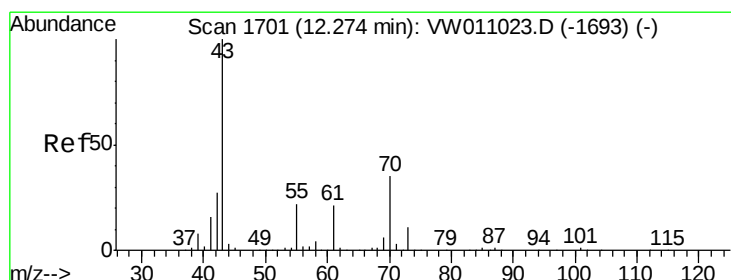
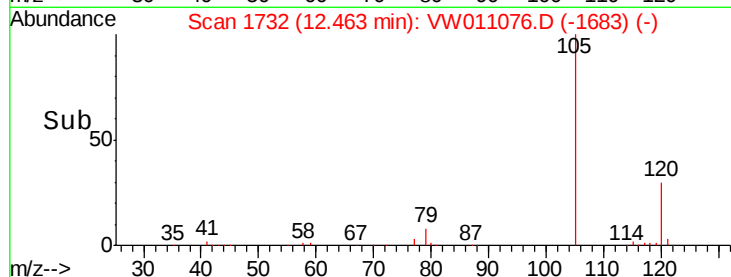
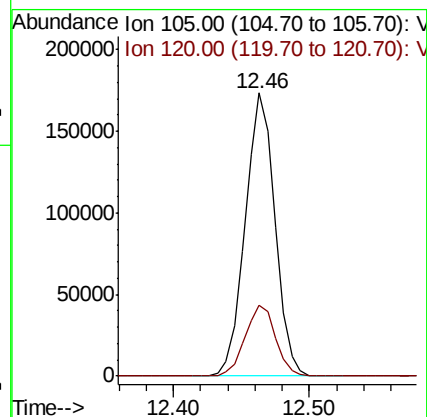
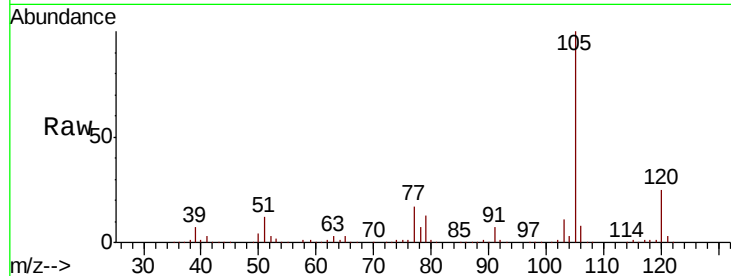
VW0701SBS01

Tot Ion: 105 Resp: 265119

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.6



#74

N-ethyl acetate

Concen: 20.577 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Tgt Ion: 43 Resp: 82679

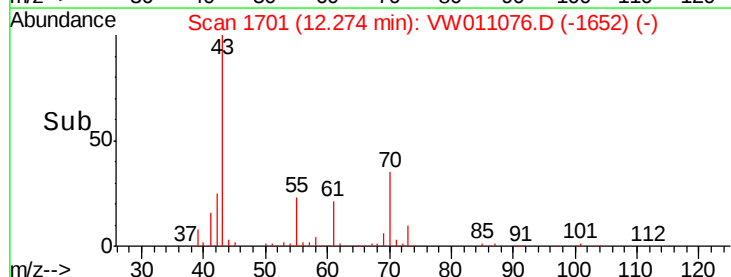
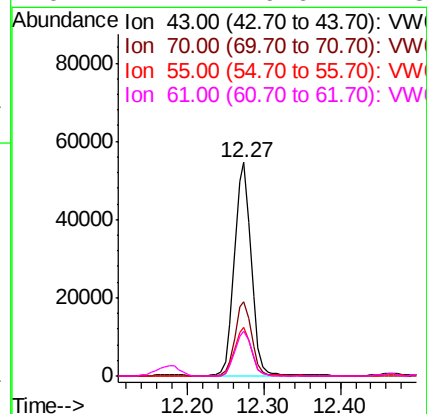
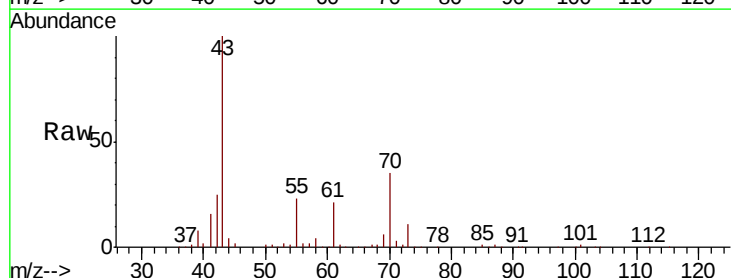
Ion Ratio Lower Upper

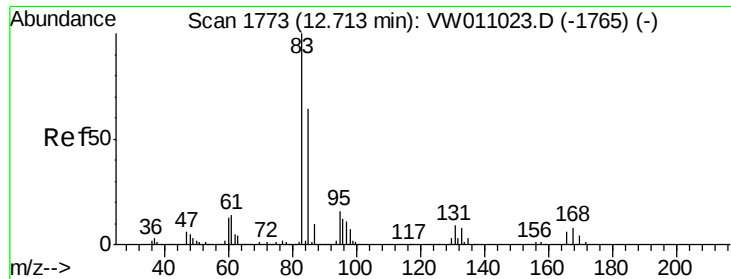
43 100

70 34.7 28.2 42.4

55 22.8 17.8 26.8

61 21.4 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.675 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

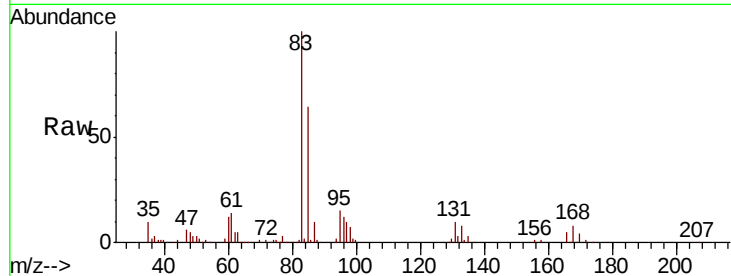
Tot Ion: 83 Resp: 48575

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

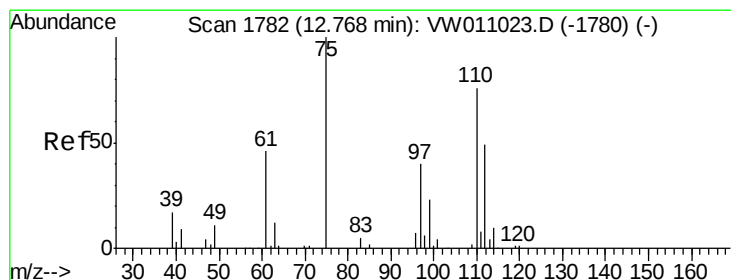
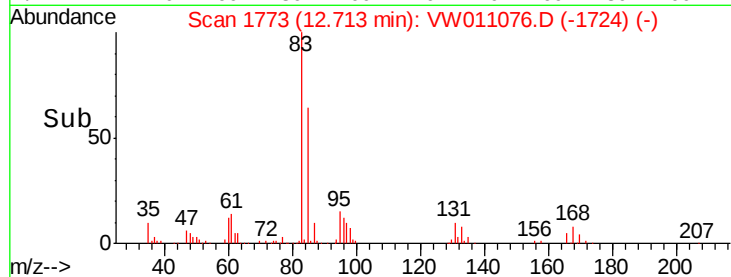
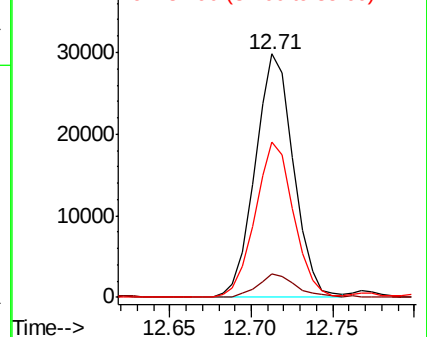
85 64.0 31.8 95.4



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: 38.641 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011076.D

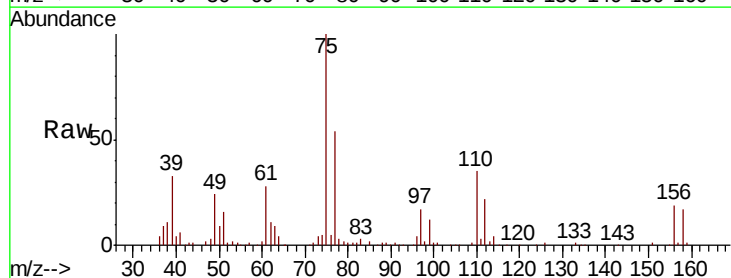
Acq: 01 Jul 2019 11:20

Tgt Ion: 75 Resp: 65151

Ion Ratio Lower Upper

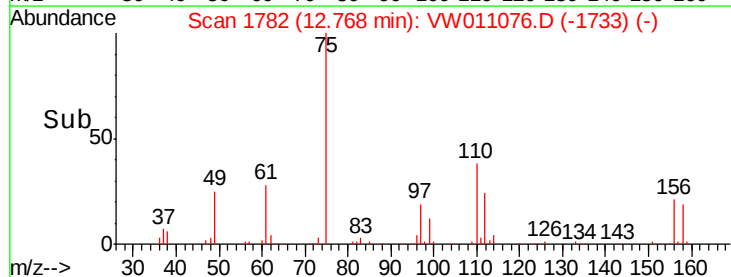
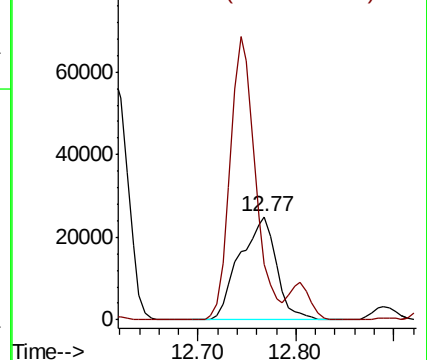
75 100

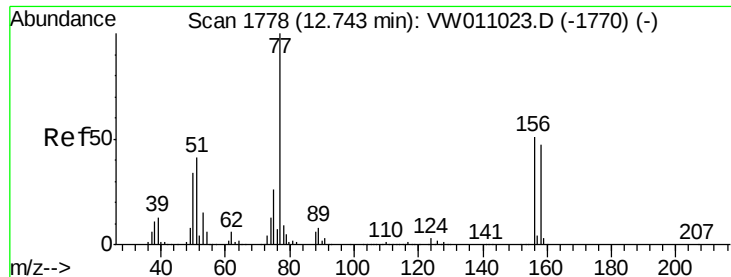
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.664 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

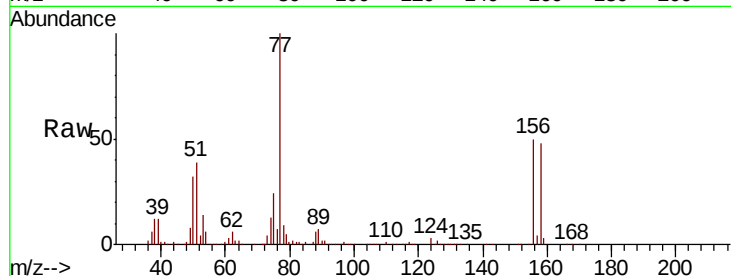
Tot Ion:156 Resp: 56971

Ion Ratio Lower Upper

156 100

77 217.0 109.5 328.5

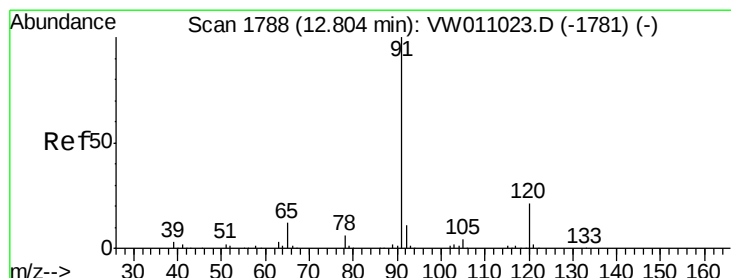
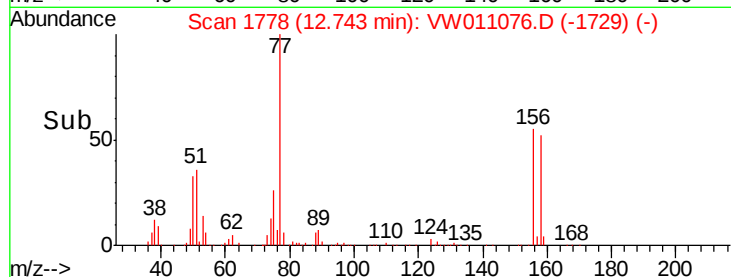
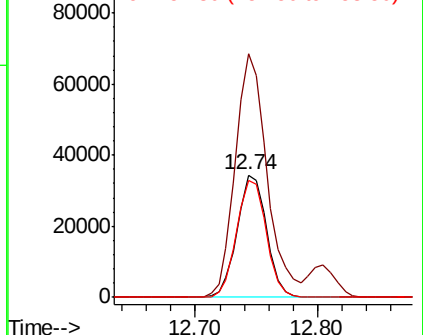
158 96.4 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.176 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011076.D

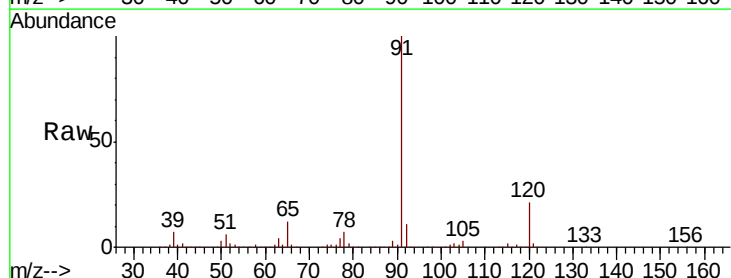
Acq: 01 Jul 2019 11:20

Tgt Ion: 91 Resp: 328564

Ion Ratio Lower Upper

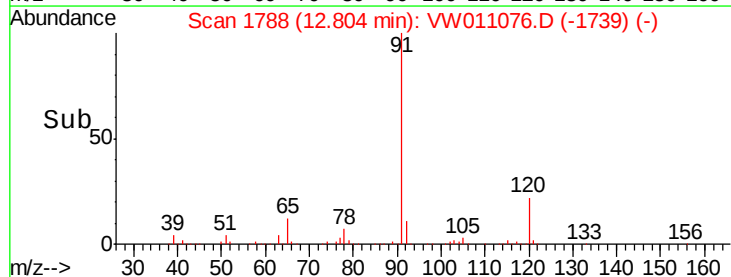
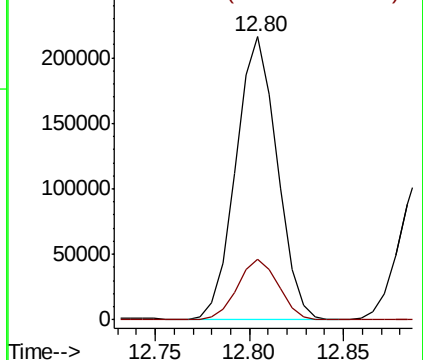
91 100

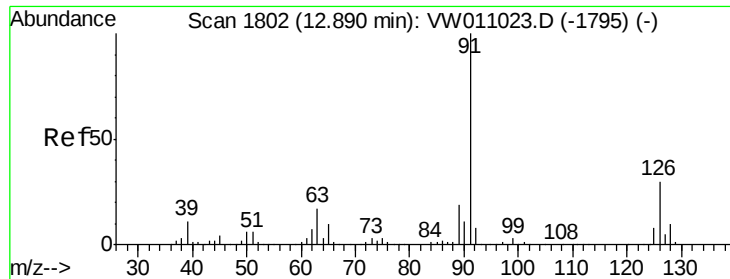
120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

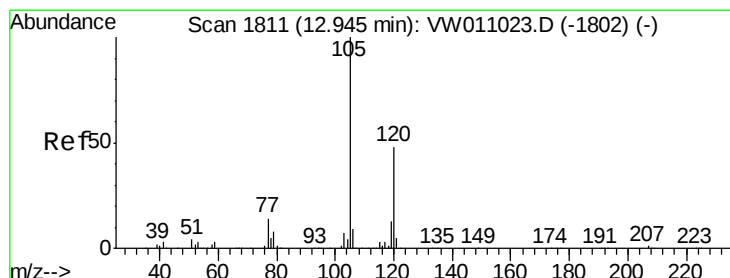
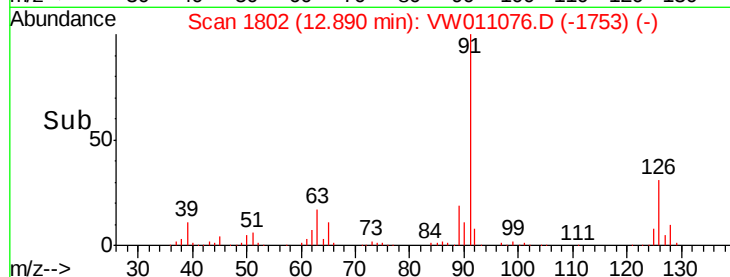
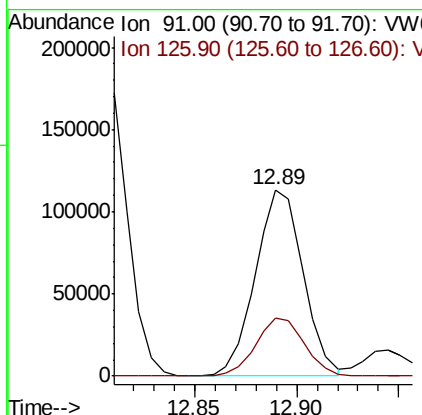
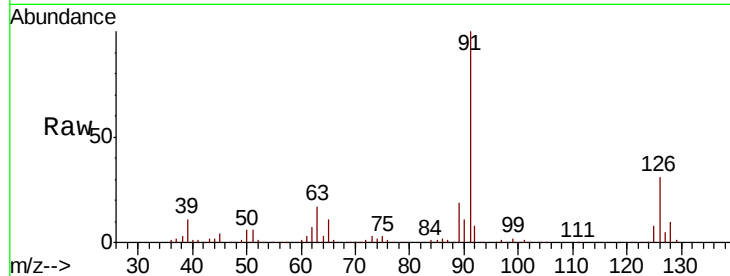




#79
 2-Chlorotoluene
 Concen: 21.815 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

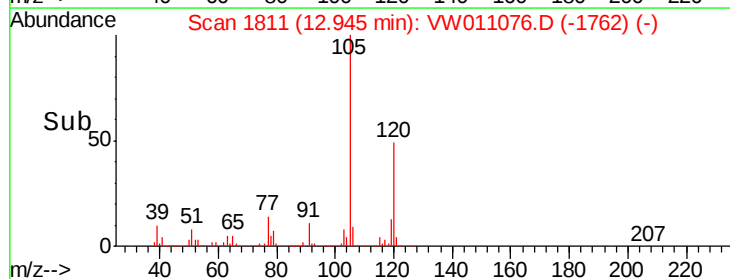
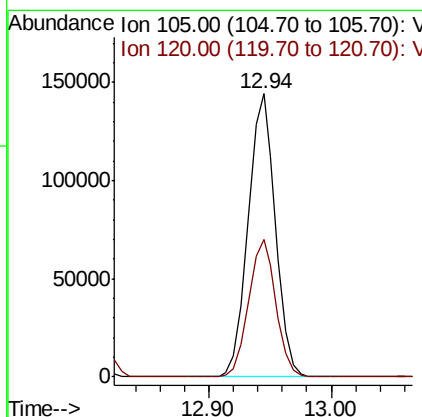
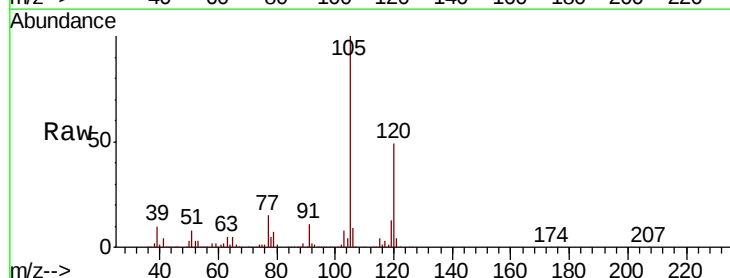
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

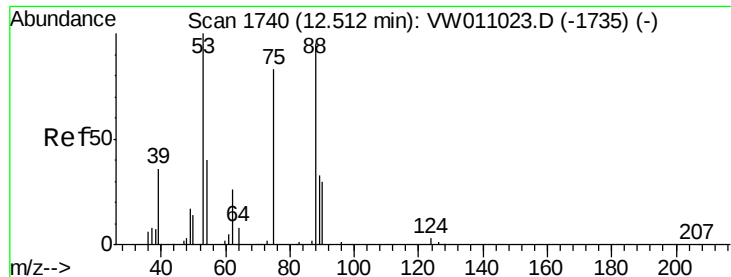
Tot Ion: 91 Resp: 184650
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.4 46.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.895 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion: 105 Resp: 222030
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.8 71.5

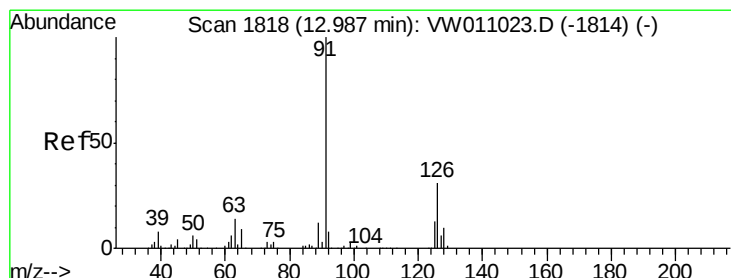
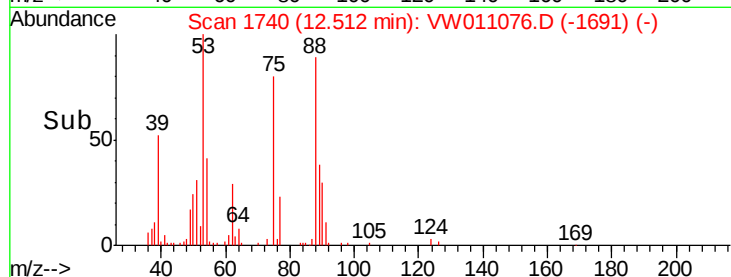
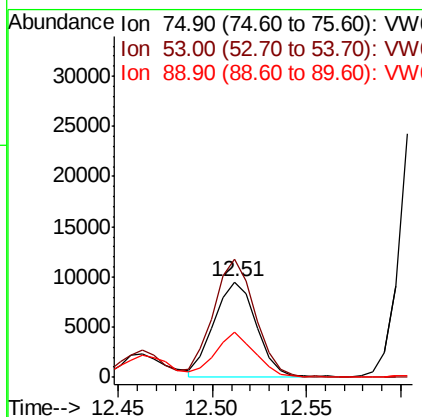
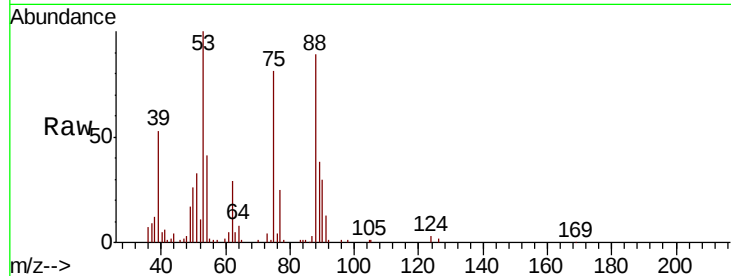




#81
trans-1,4-Dichloro-2-butene
Concen: 21.177 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

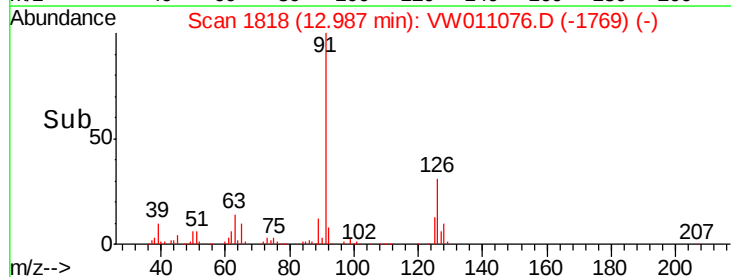
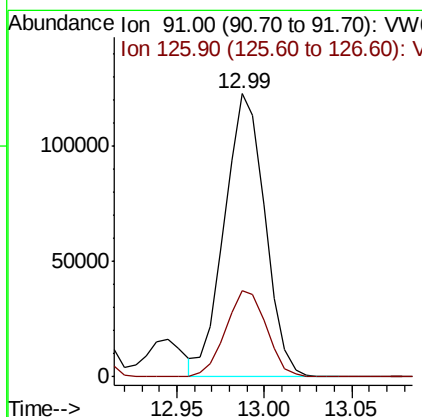
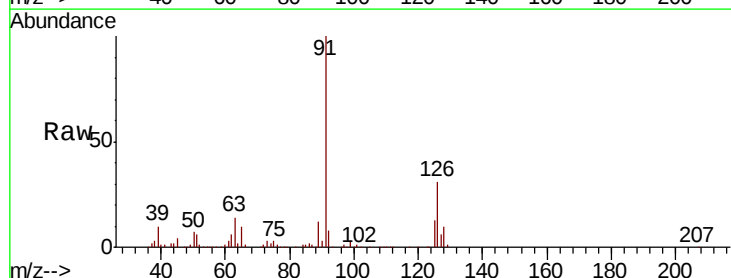
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

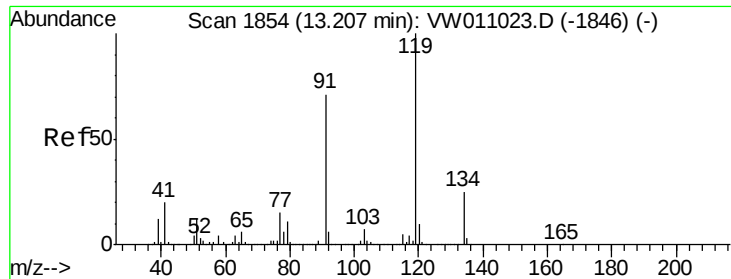
Tot Ion: 75 Resp: 14740
Ion Ratio Lower Upper
75 100
53 125.6 95.6 143.4
89 45.2 34.4 51.6



#82
4-Chlorotoluene
Concen: 22.302 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 91 Resp: 196725
Ion Ratio Lower Upper
91 100
126 30.8 15.7 47.1

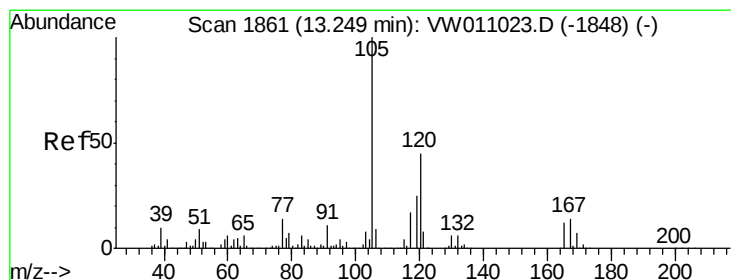
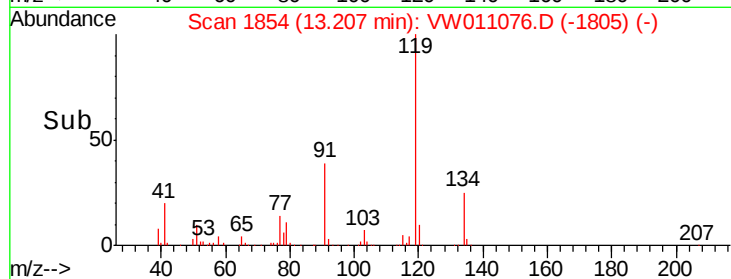
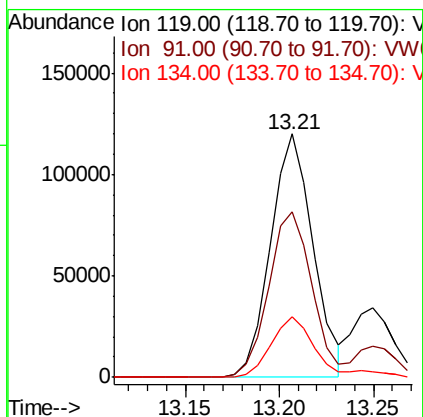
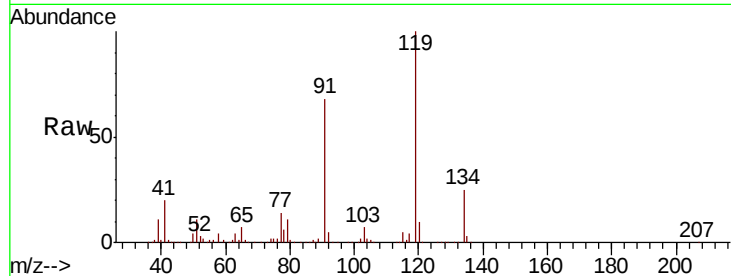




#83
tert-Butylbenzene
Concen: 22.187 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

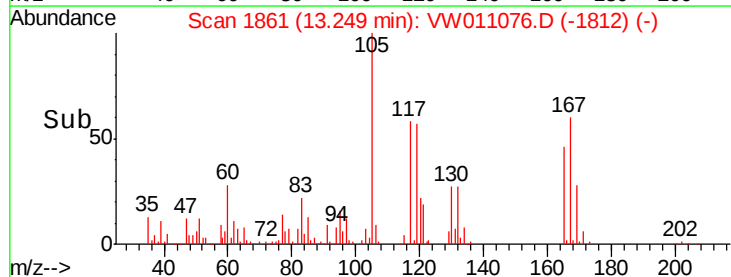
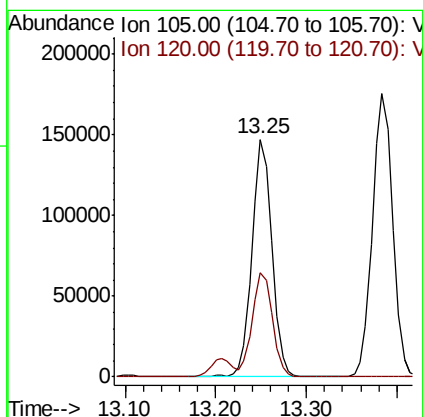
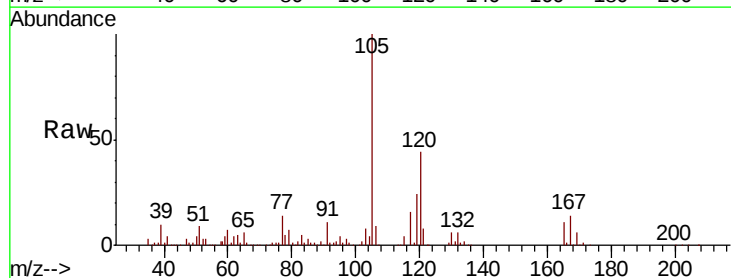
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

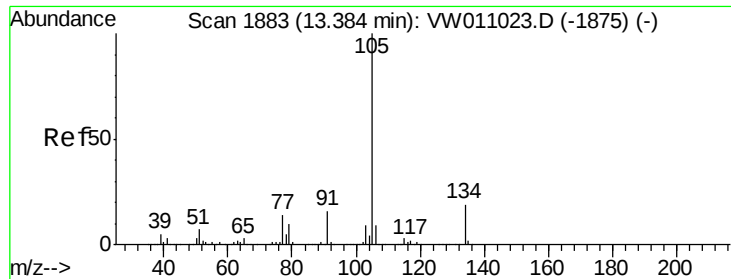
Tot Ion:119 Resp: 187621
Ion Ratio Lower Upper
119 100
91 68.9 35.5 106.5
134 24.8 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 21.960 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion:105 Resp: 225088
Ion Ratio Lower Upper
105 100
120 44.2 22.4 67.2





#85

sec-Butylbenzene

Concen: 22.087 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

Instrument :

MSVOA_W

ClientSampleId :

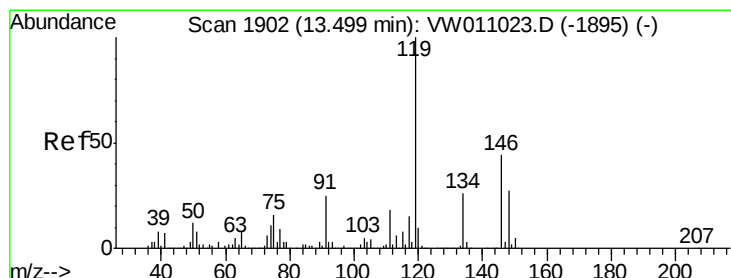
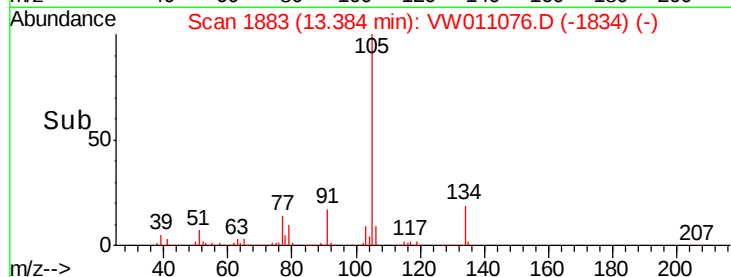
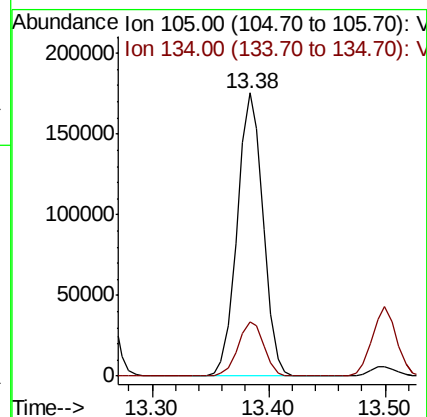
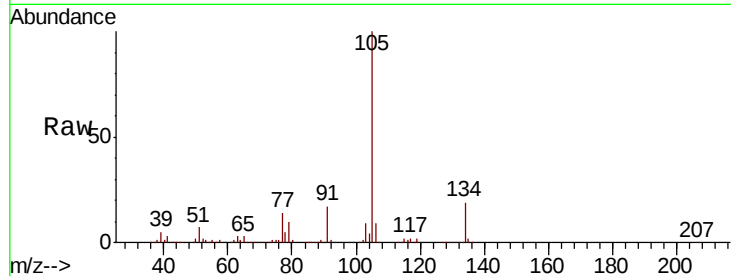
VW0701SBS01

Tot Ion:105 Resp: 271324

Ion Ratio Lower Upper

105 100

134 19.3 9.6 28.8



#86

p-Isopropyltoluene

Concen: 22.022 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011076.D

Acq: 01 Jul 2019 11:20

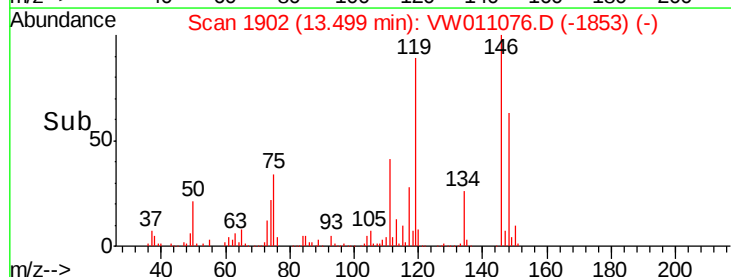
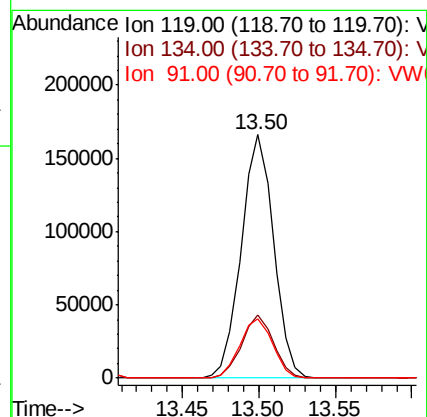
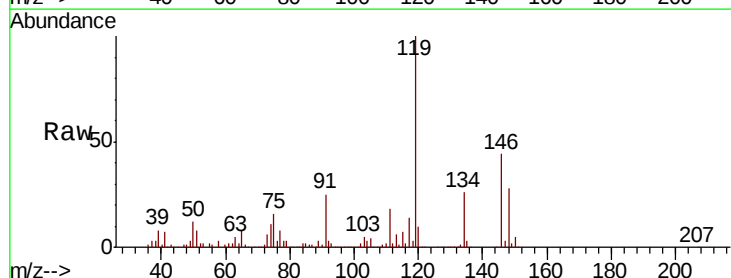
Tgt Ion:119 Resp: 243440

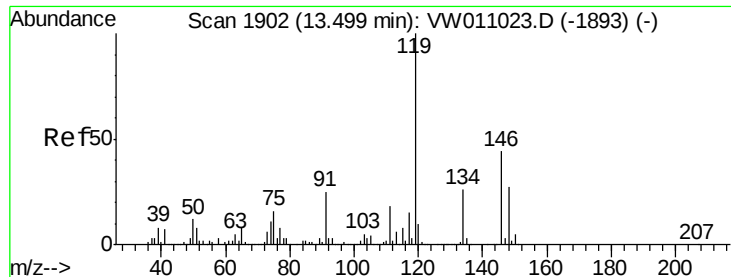
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.7 12.3 36.9

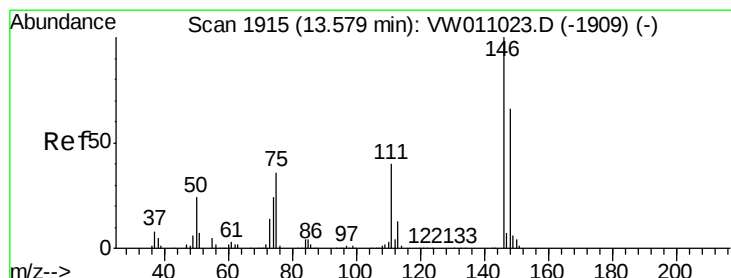
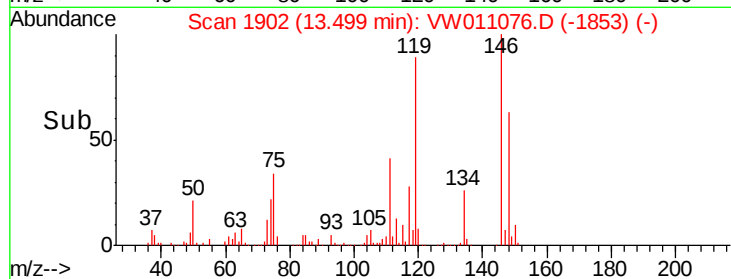
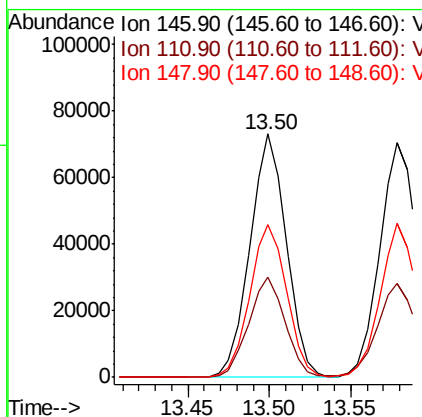
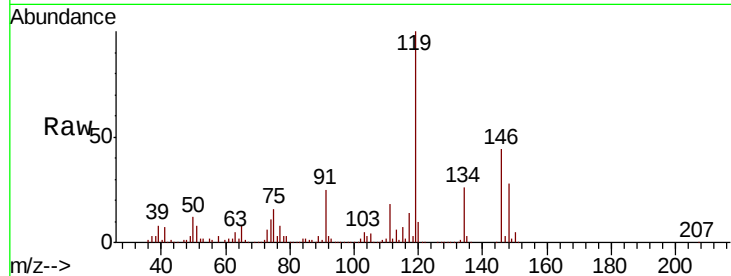




#87
 1,3-Dichlorobenzene
 Concen: 21.840 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

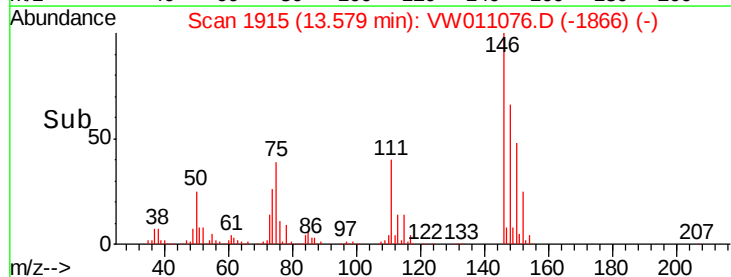
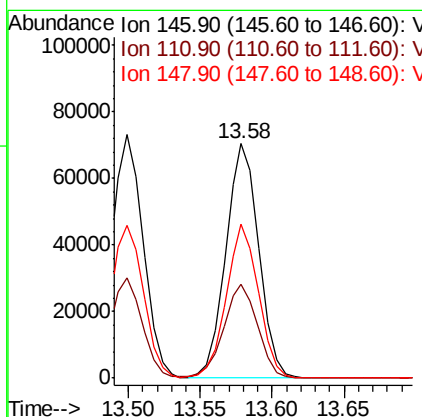
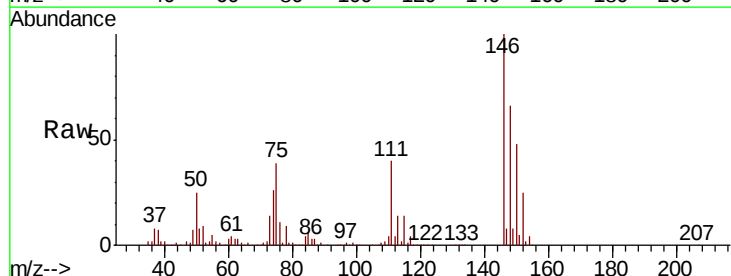
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

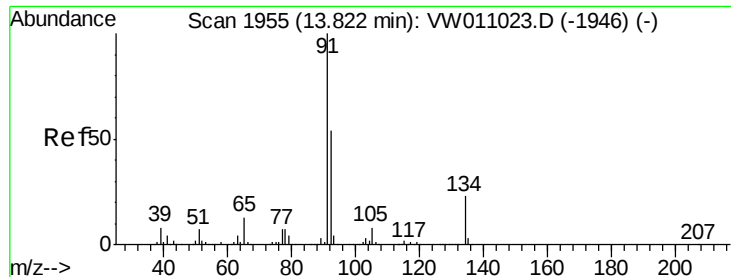
Tot Ion:146 Resp: 113609
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.9 62.8
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 21.668 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion:146 Resp: 112515
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.6 61.9
 148 64.4 32.4 97.2

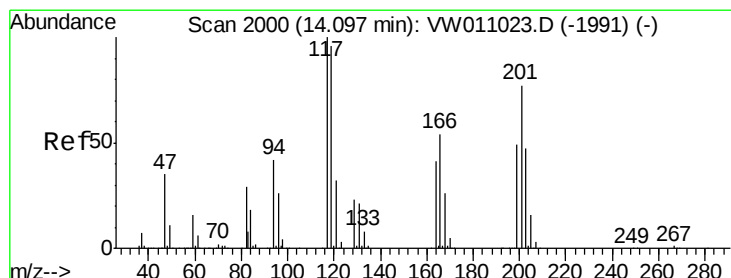
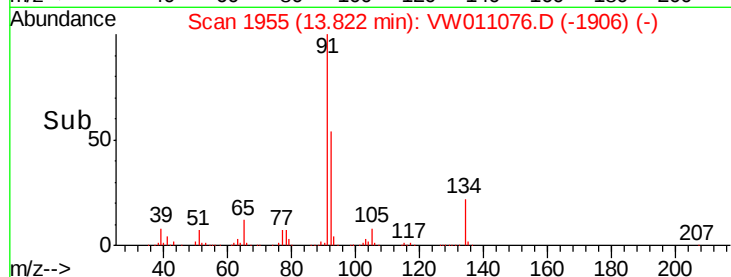
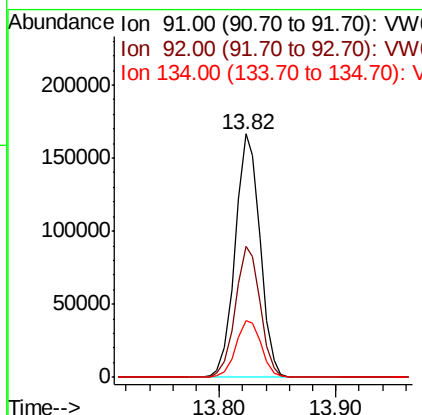
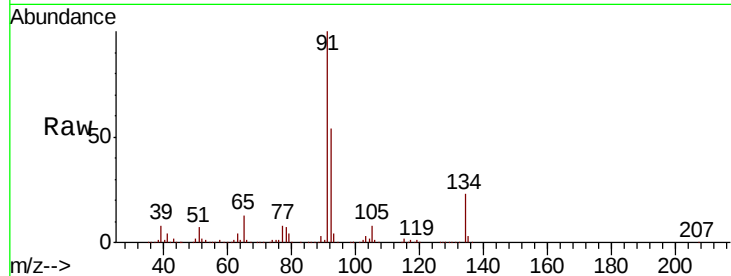




#89
n-Butylbenzene
Concen: 21.954 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

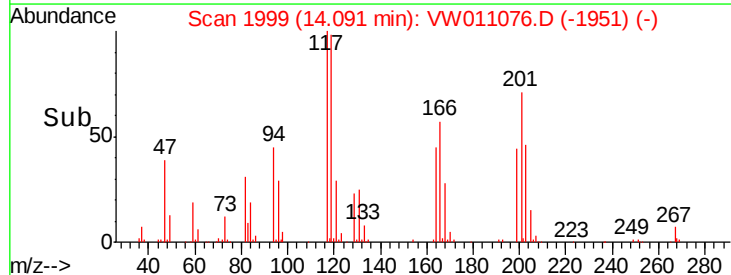
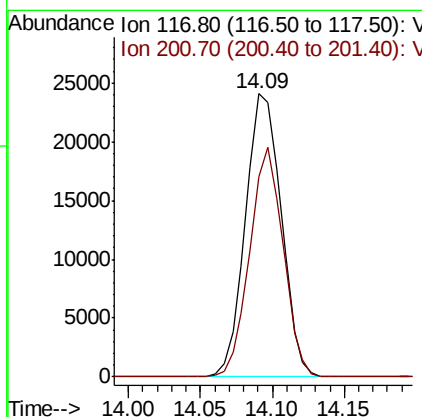
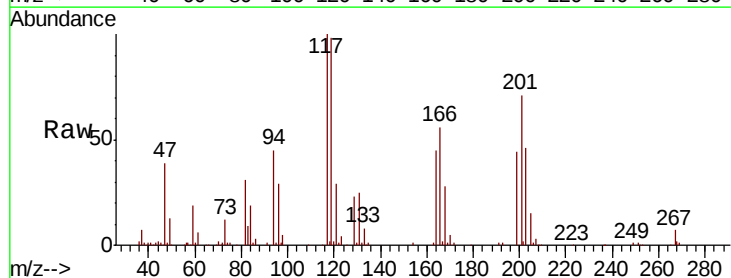
Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

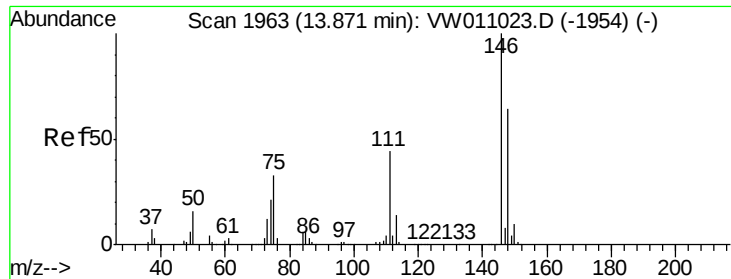
Tot Ion: 91 Resp: 246669
Ion Ratio Lower Upper
91 100
92 53.9 27.1 81.2
134 23.7 12.0 36.1



#90
Hexachloroethane
Concen: 21.996 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion: 117 Resp: 41605
Ion Ratio Lower Upper
117 100
201 75.4 38.0 114.0

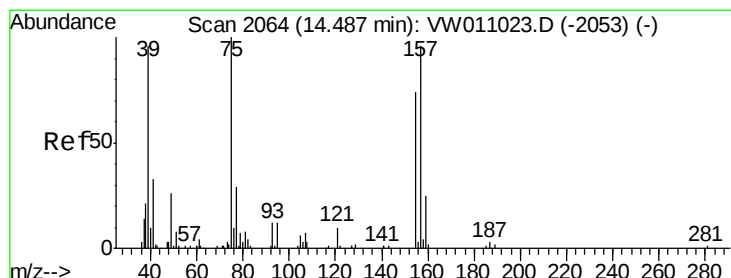
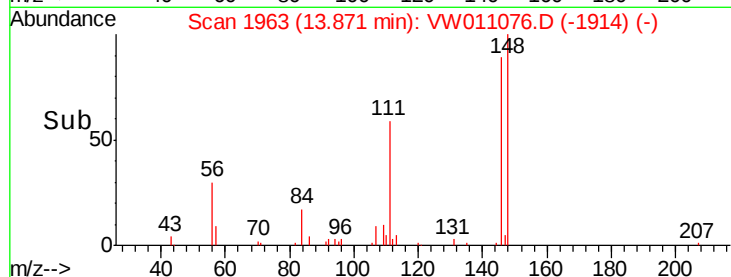
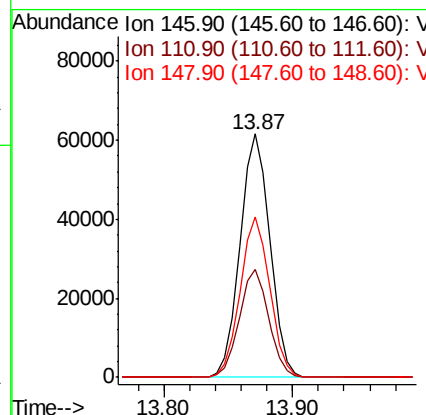
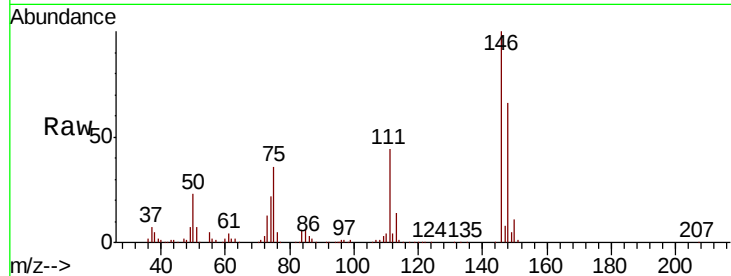




#91
 1,2-Dichlorobenzene
 Concen: 21.124 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

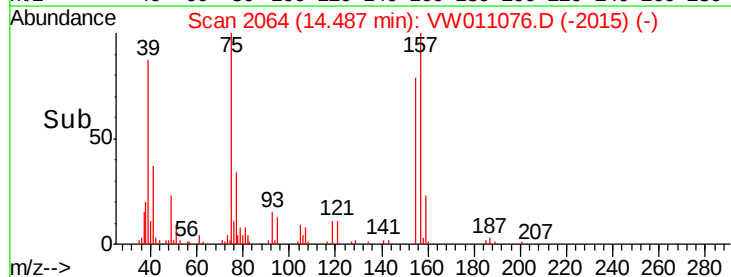
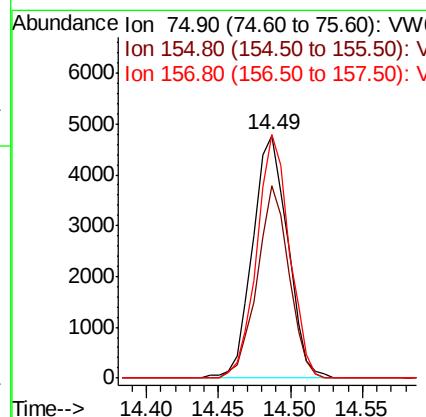
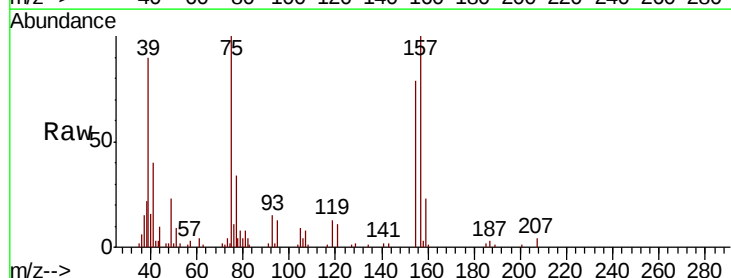
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

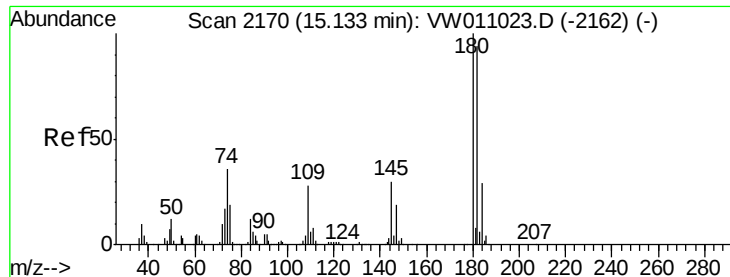
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.4	64.3
148	65.4	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.036 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	37.0	110.9
157	93.0	45.9	137.7

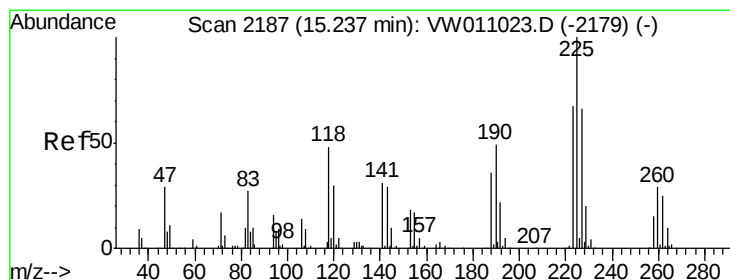
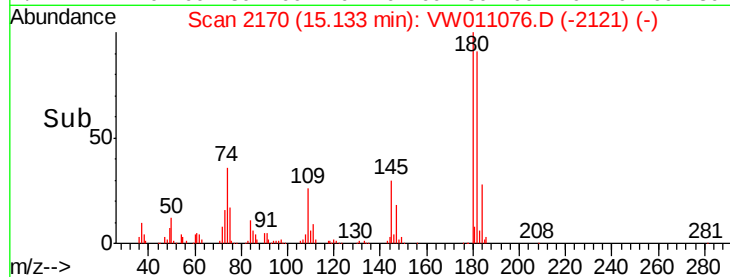
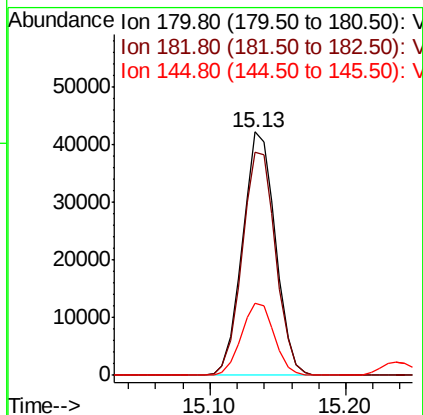
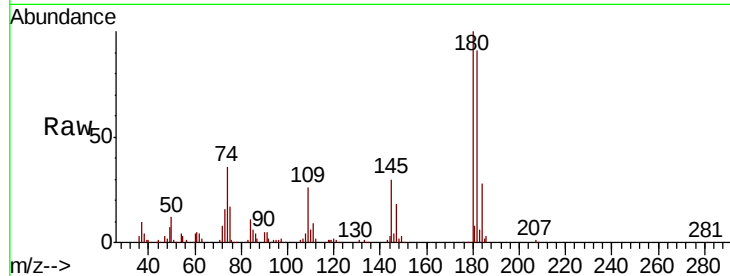




#93
 1,2,4-Trichlorobenzene
 Concen: 21.732 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

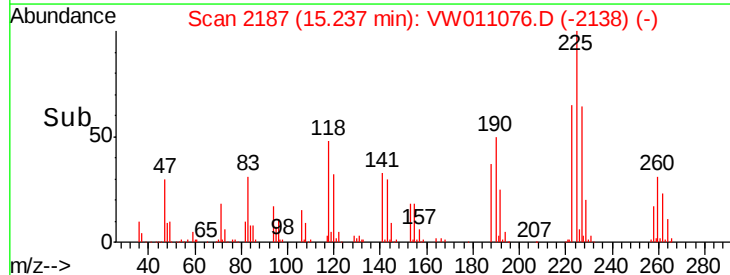
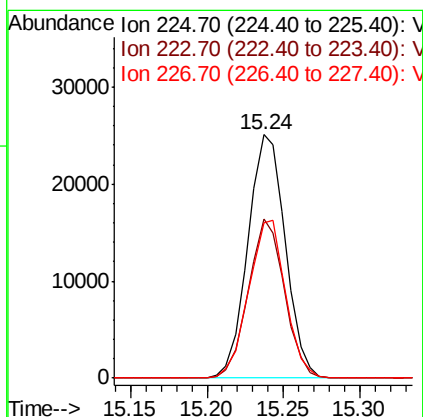
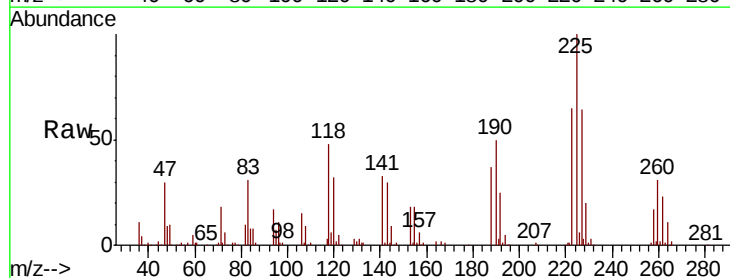
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

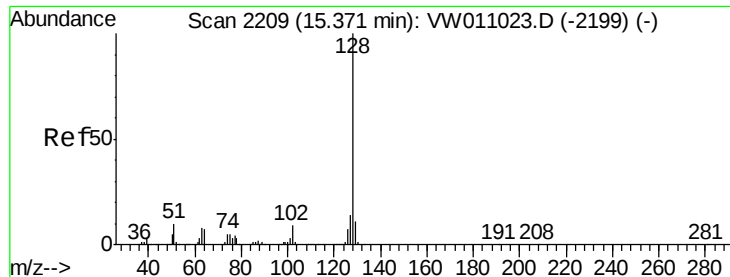
Tot Ion:180 Resp: 71438
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.4 142.2
 145 29.7 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 21.456 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011076.D
 Acq: 01 Jul 2019 11:20

Tgt Ion:225 Resp: 42779
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.9 95.9
 227 63.7 31.9 95.9

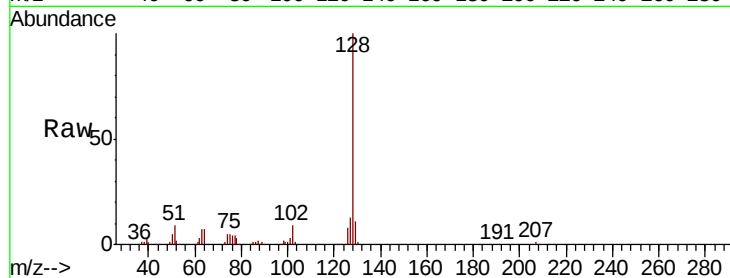




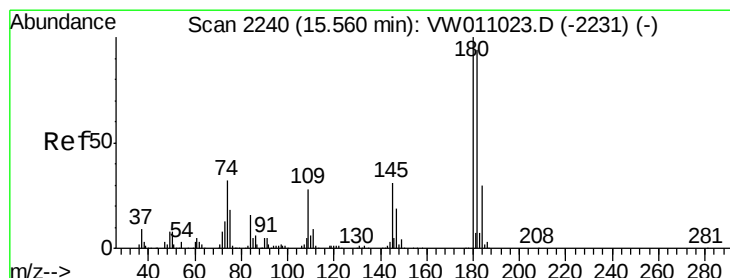
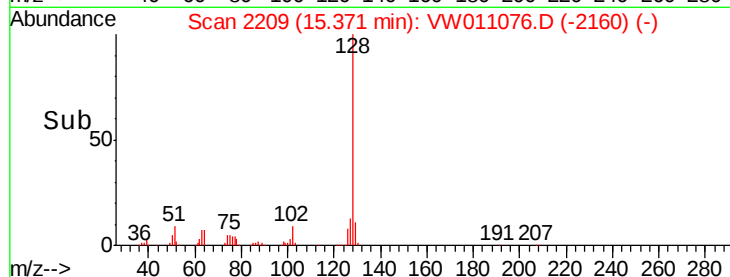
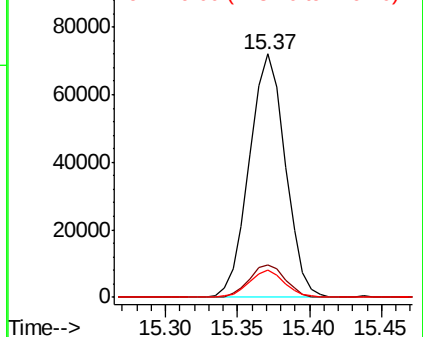
#95
Naphthalene
Concen: 20.188 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion:128 Resp: 124658
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.9 8.8 13.2

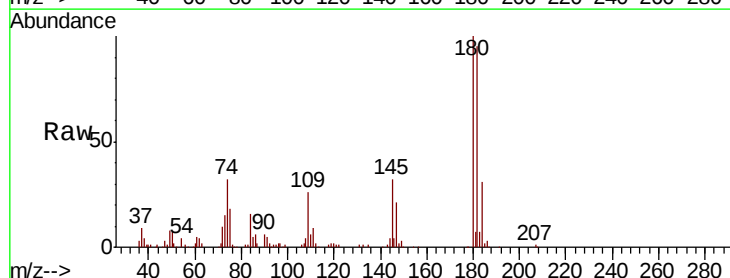


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.052 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011076.D
Acq: 01 Jul 2019 11:20

Tgt Ion:180 Resp: 61792
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.7
145 32.7 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

