

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010721.D
 Acq On : 06 Jun 2019 20:51
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 07 08:58:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175217	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139760	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.88	113	107701	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.32	98	436511	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
62) 4-Bromofluorobenzene	12.62	95	164367	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	106482	49.616	ug/l	99
3) Chloromethane	2.21	50	169856	53.795	ug/l	98
4) Vinyl Chloride	2.35	62	149671	51.305	ug/l	98
5) Bromomethane	2.75	94	85826	53.574	ug/l	96
6) Chloroethane	2.91	64	95723	54.665	ug/l	98
7) Trichlorofluoromethane	3.25	101	200956	53.066	ug/l	97
8) Diethyl Ether	3.68	74	78627	58.100	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124825	53.614	ug/l	99
10) Methyl Iodide	4.27	142	122003	50.786	ug/l	98
11) Tert butyl alcohol	5.17	59	78819	353.443	ug/l	96
12) 1,1-Dichloroethene	4.04	96	121979	54.312	ug/l	97
13) Acrolein	3.90	56	24742	271.513	ug/l	96
14) Allyl chloride	4.67	41	287619	58.081	ug/l	100
15) Acrylonitrile	5.37	53	198676	302.188	ug/l	100
16) Acetone	4.12	43	212280	289.423	ug/l	99
17) Carbon Disulfide	4.38	76	385569	54.081	ug/l	99
18) Methyl Acetate	4.67	43	97577	61.803	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	384843	59.412	ug/l	98
20) Methylene Chloride	4.92	84	143719	55.855	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	142107	55.738	ug/l	97
22) Diisopropyl ether	6.31	45	586932	59.201	ug/l	99
23) Vinyl Acetate	6.26	43	1781836	297.809	ug/l	100
24) 1,1-Dichloroethane	6.21	63	286596	57.684	ug/l	98
25) 2-Butanone	7.17	43	310109	304.912	ug/l	99
26) 2,2-Dichloropropane	7.16	77	218690	54.092	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	162617	57.957	ug/l	99
28) Bromochloromethane	7.51	49	127759	57.620	ug/l	98
29) Tetrahydrofuran	7.53	42	195732	305.968	ug/l	99
30) Chloroform	7.68	83	263826	58.054	ug/l	99
31) Cyclohexane	7.95	56	279107	50.535	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	225241	56.740	ug/l	99
36) 1,1-Dichloropropene	8.08	75	214425	52.748	ug/l	100
37) Ethyl Acetate	7.26	43	131254	58.267	ug/l	98
38) Carbon Tetrachloride	8.07	117	186559	53.163	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	264355	51.156	ug/l	99
40) Benzene	8.32	78	602740	54.351	ug/l	98
41) Methacrylonitrile	7.48	41	76928	57.454	ug/l	98
42) 1,2-Dichloroethane	8.40	62	200440	56.948	ug/l	99
43) Isopropyl Acetate	8.43	43	255750	58.767	ug/l	100
44) Trichloroethene	9.09	130	146623	53.598	ug/l	99
45) 1,2-Dichloropropane	9.37	63	164748	56.120	ug/l	99
46) Dibromomethane	9.46	93	77265	56.666	ug/l	99
47) Bromodichloromethane	9.65	83	202876	57.399	ug/l	98
48) Methyl methacrylate	9.43	41	124790	59.473	ug/l	97
49) 1,4-Dioxane	9.45	88	25858	1212.968	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	663922	298.622	ug/l	100
52) Toluene	10.39	92	372599	54.607	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	212469	56.754	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	248533	56.417	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	111957	56.996	ug/l	98
56) Ethyl methacrylate	10.65	69	178798	59.155	ug/l	98
57) 1,3-Dichloropropane	10.93	76	209480	56.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	413768	261.361	ug/l	100
59) 2-Hexanone	10.97	43	473454	294.653	ug/l	99
60) Dibromochloromethane	11.13	129	126495	58.093	ug/l	100
61) 1,2-Dibromoethane	11.24	107	105148	56.498	ug/l	99
64) Tetrachloroethene	10.87	164	130195	55.023	ug/l	99
65) Chlorobenzene	11.66	112	381414	54.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	136460	56.249	ug/l	99
67) Ethyl Benzene	11.73	91	732367	54.376	ug/l	99
68) m/p-Xylenes	11.84	106	524589	108.804	ug/l	100
69) o-Xylene	12.17	106	251192	54.933	ug/l	98
70) Styrene	12.18	104	444948	56.014	ug/l	100
71) Bromoform	12.35	173	73438	58.532	ug/l #	99
73) Isopropylbenzene	12.47	105	681853	51.785	ug/l	99
74) N-amyl acetate	12.27	43	246509	57.929	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	137632	54.907	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	184428	100.232	ug/l #	100
77) Bromobenzene	12.75	156	154185	53.646	ug/l	99
78) n-propylbenzene	12.80	91	829453	52.243	ug/l	100
79) 2-Chlorotoluene	12.90	91	483665	53.322	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	574213	53.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43795	54.703	ug/l	99
82) 4-Chlorotoluene	12.99	91	498801	53.288	ug/l	99
83) tert-Butylbenzene	13.21	119	495770	54.203	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	580403	53.517	ug/l	99
85) sec-Butylbenzene	13.39	105	689455	51.773	ug/l	100
86) p-Isopropyltoluene	13.50	119	629650	52.873	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	294496	53.133	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	292059	53.151	ug/l	99
89) n-Butylbenzene	13.83	91	625325	52.628	ug/l	100
90) Hexachloroethane	14.10	117	114601	53.736	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	266436	53.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25784	59.901	ug/l	97

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QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

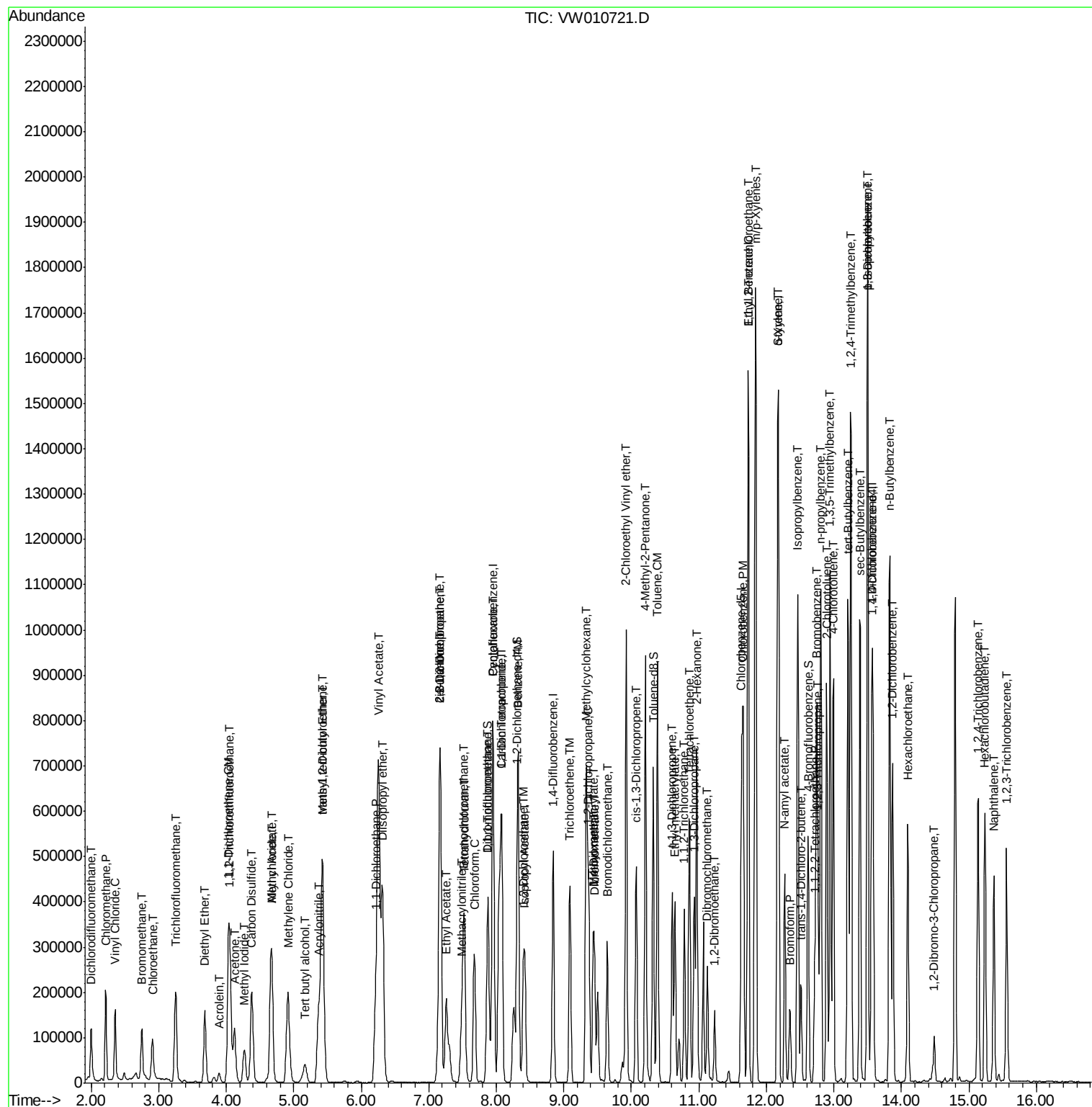
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	193716	55.381	ug/l	100
94) Hexachlorobutadiene	15.24	225	117348	53.455	ug/l	99
95) Naphthalene	15.37	128	368836	58.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	168781	56.738	ug/l	100

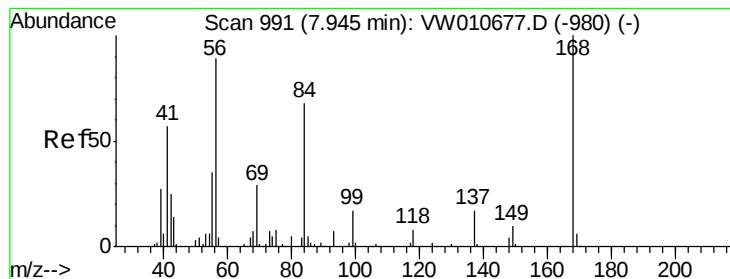
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

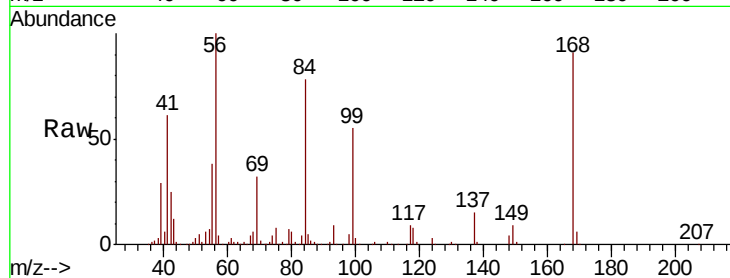
VSTDCCC050EC

Tot Ion:168 Resp: 232238

Ion Ratio Lower Upper

168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

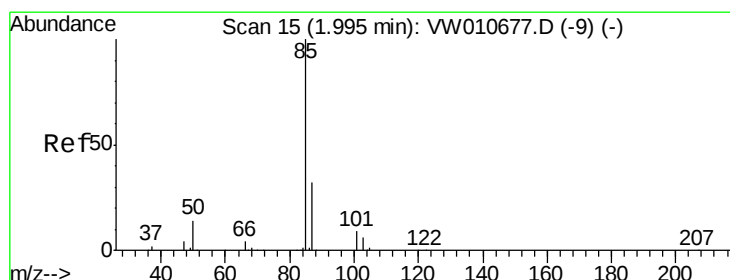
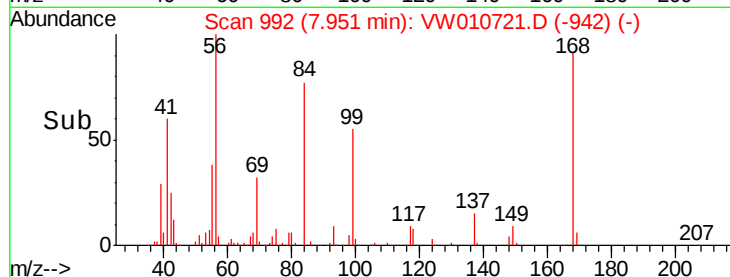
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.616 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010721.D

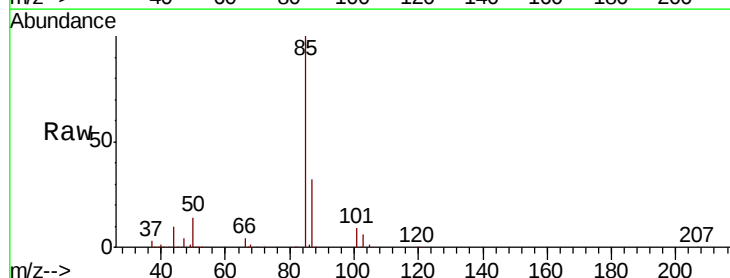
Acq: 06 Jun 2019 20:51

Tgt Ion: 85 Resp: 106482

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

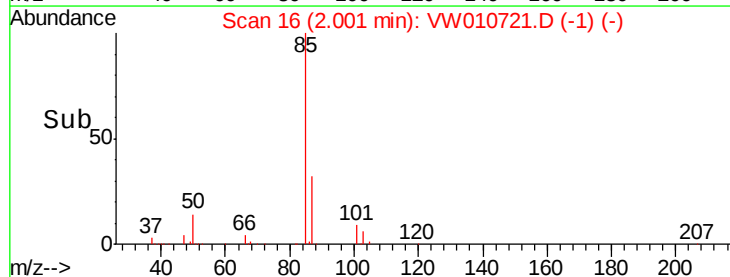
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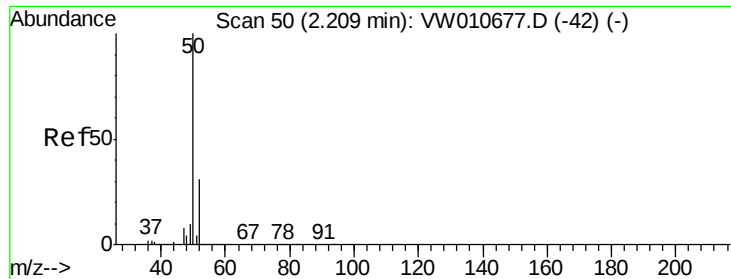
40000

20000

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Time-->





#3

Chloromethane

Concen: 53.795 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

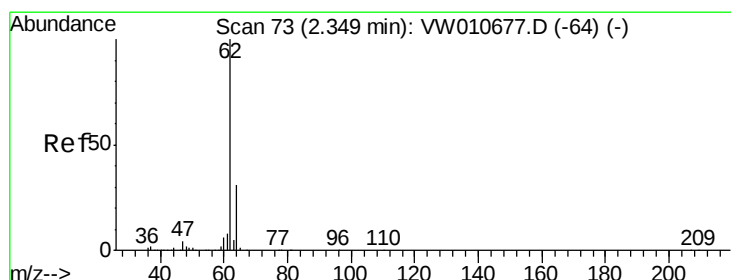
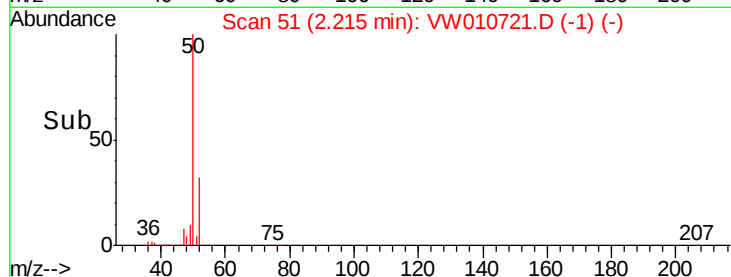
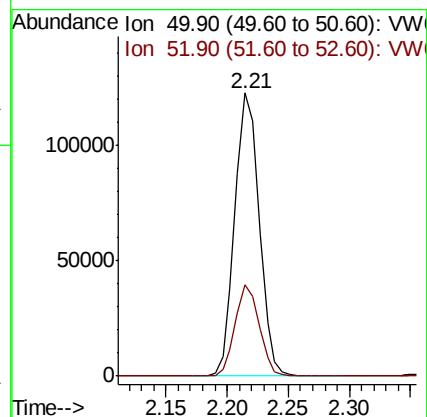
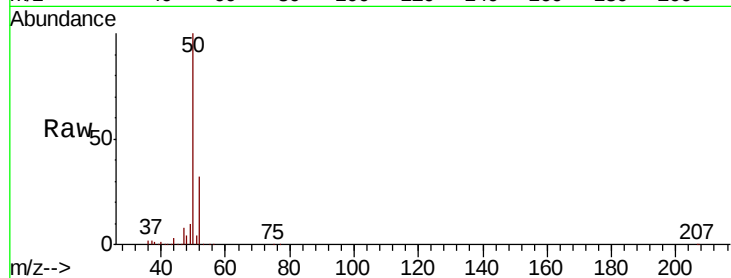
VSTDCCC050EC

Tot Ion: 50 Resp: 169856

Ion Ratio Lower Upper

50 100

52 32.4 25.2 37.8



#4

Vinyl Chloride

Concen: 51.305 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010721.D

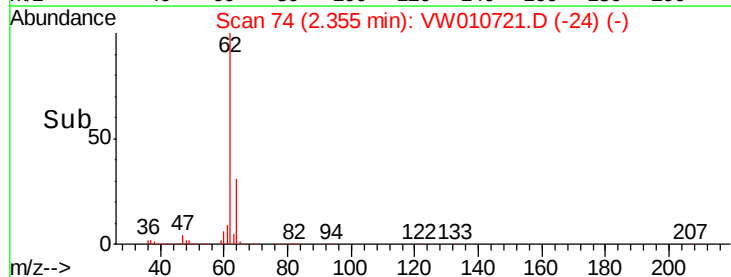
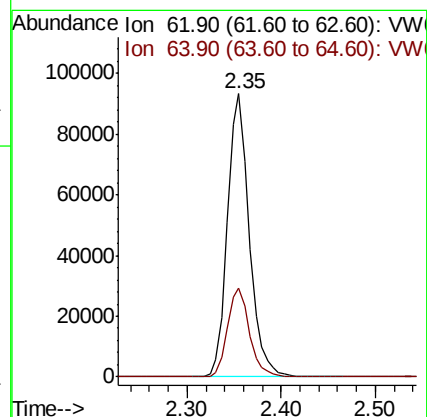
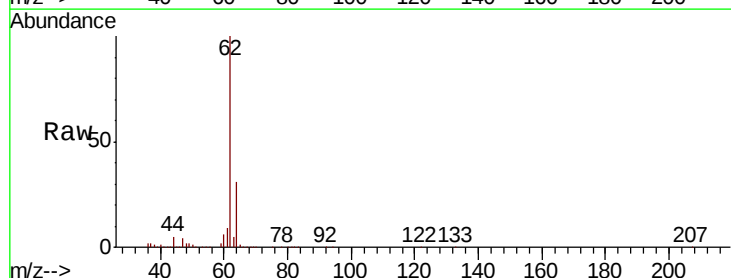
Acq: 06 Jun 2019 20:51

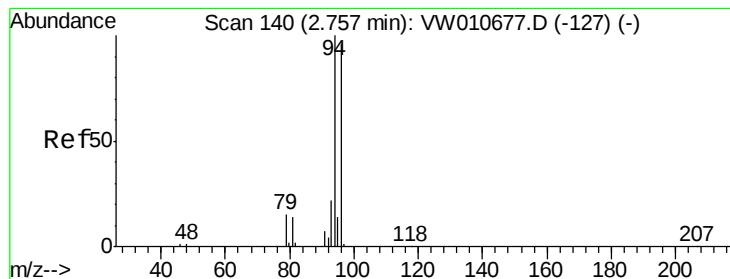
Tgt Ion: 62 Resp: 149671

Ion Ratio Lower Upper

62 100

64 31.5 24.5 36.7





#5

Bromomethane

Concen: 53.574 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

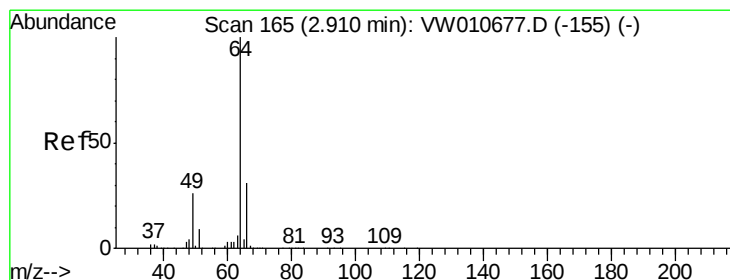
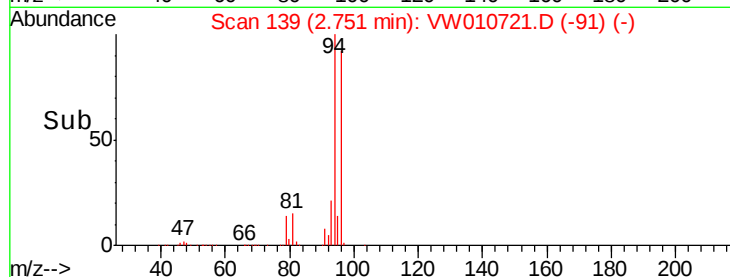
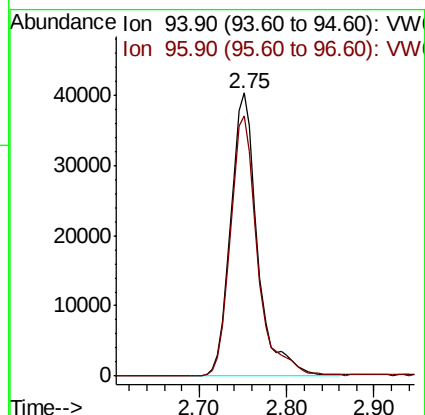
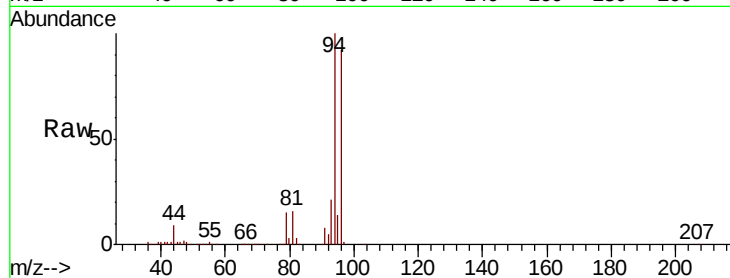
VSTDCCC050EC

Tot Ion: 94 Resp: 85826

Ion Ratio Lower Upper

94 100

96 92.2 76.5 114.7



#6

Chloroethane

Concen: 54.665 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010721.D

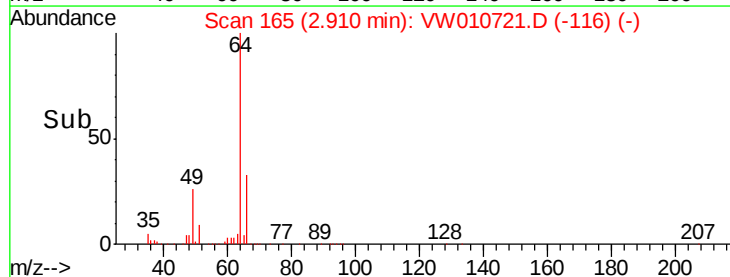
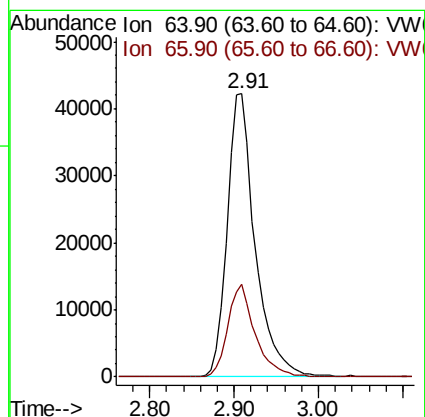
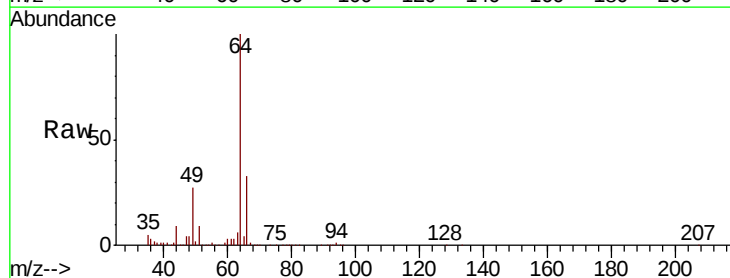
Acq: 06 Jun 2019 20:51

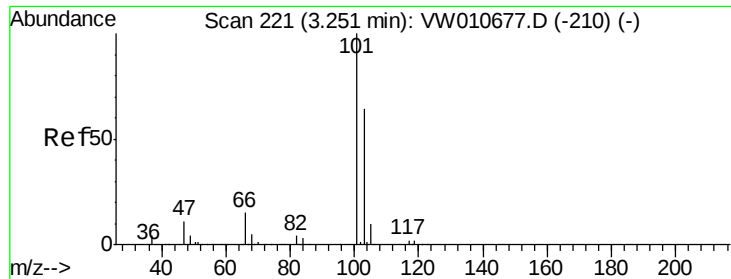
Tgt Ion: 64 Resp: 95723

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



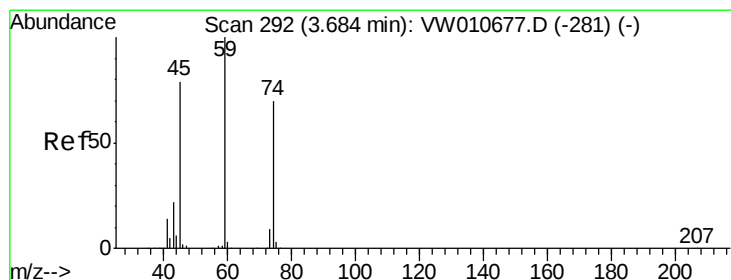
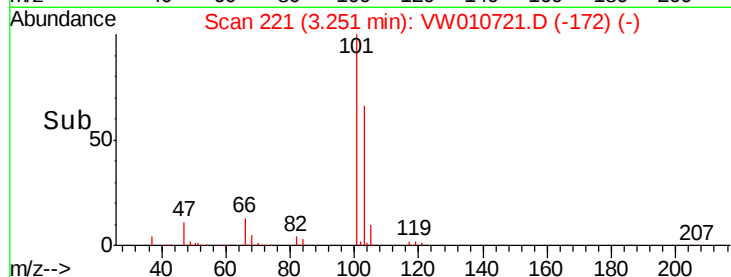
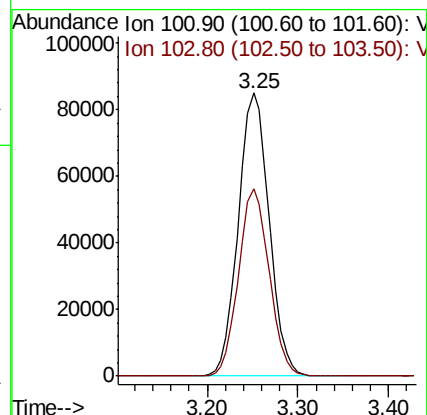
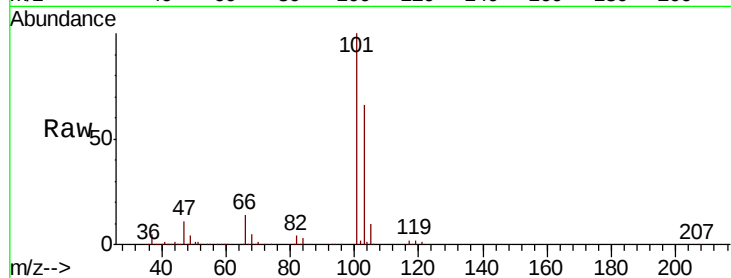


#7

Trichlorofluoromethane
 Concen: 53.066 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Instrument :
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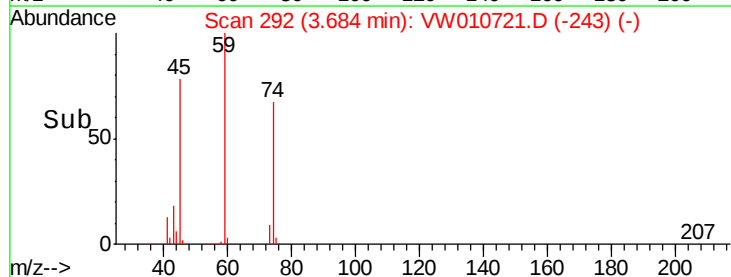
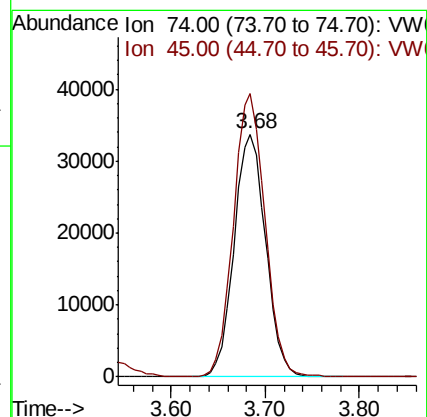
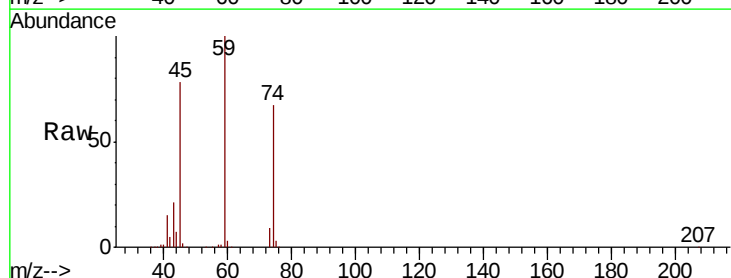
Tot Ion:101 Resp: 200956
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.2 76.8

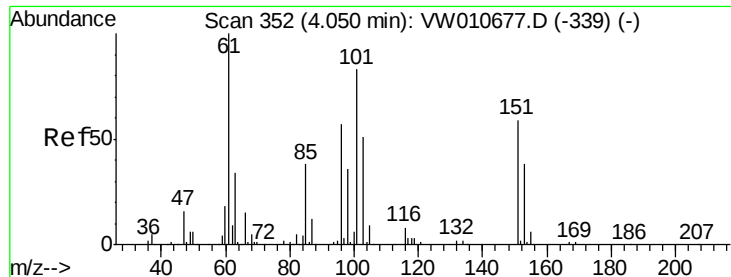


#8

Diethyl Ether
 Concen: 58.100 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion: 74 Resp: 78627
 Ion Ratio Lower Upper
 74 100
 45 116.4 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.614 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

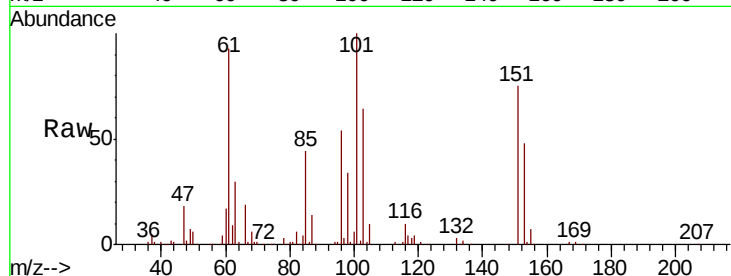
Tot Ion:101 Resp: 124825

Ion Ratio Lower Upper

101 100

85 45.6 35.8 53.8

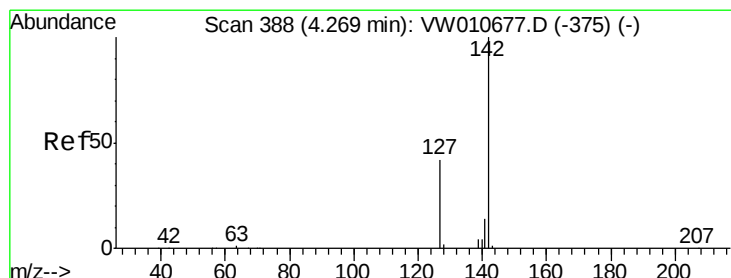
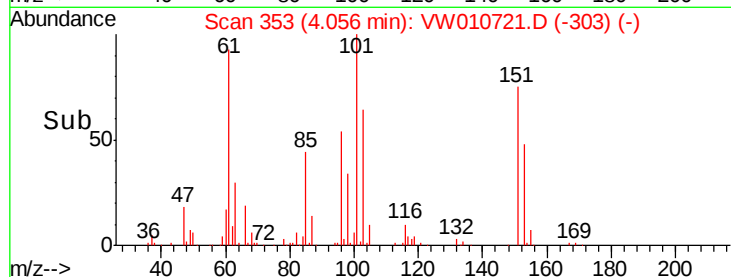
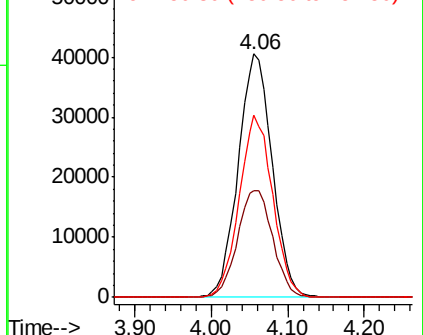
151 73.8 58.1 87.1



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: 50.786 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

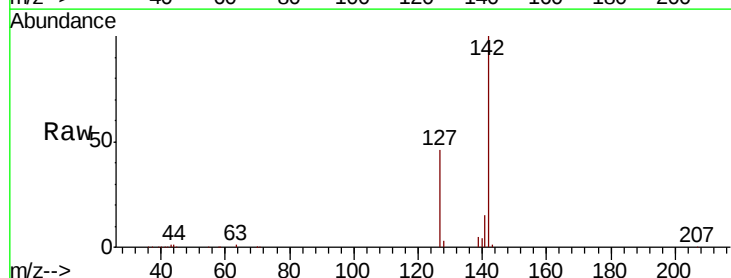
Tgt Ion:142 Resp: 122003

Ion Ratio Lower Upper

142 100

127 45.0 34.6 51.8

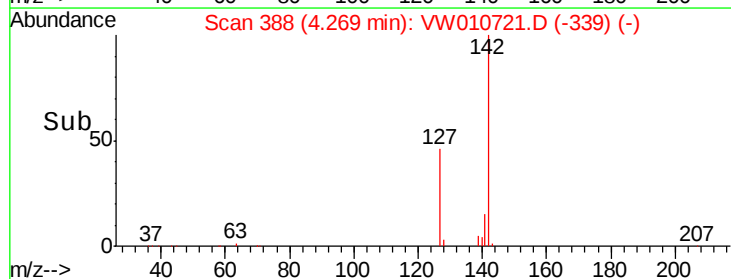
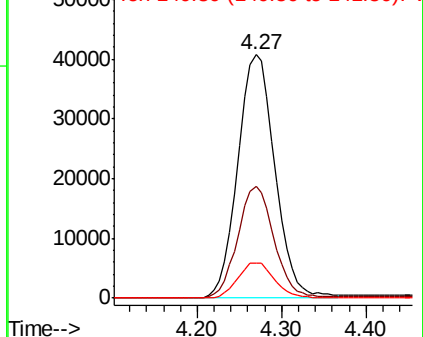
141 14.4 11.6 17.4

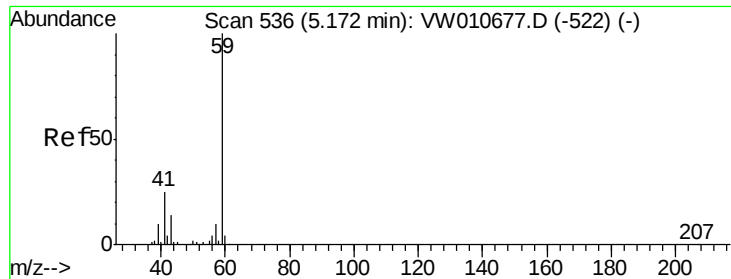


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



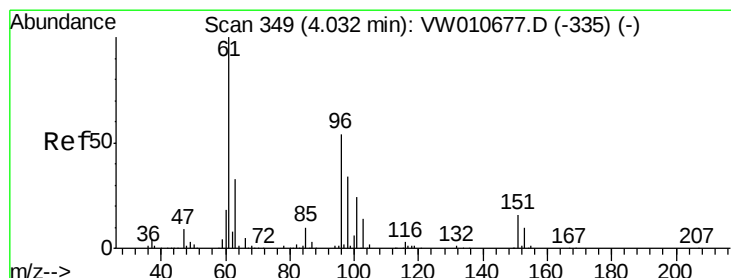
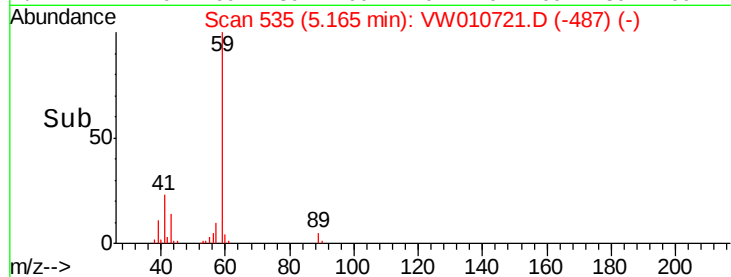
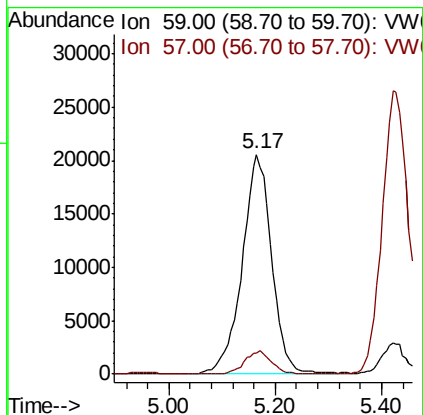
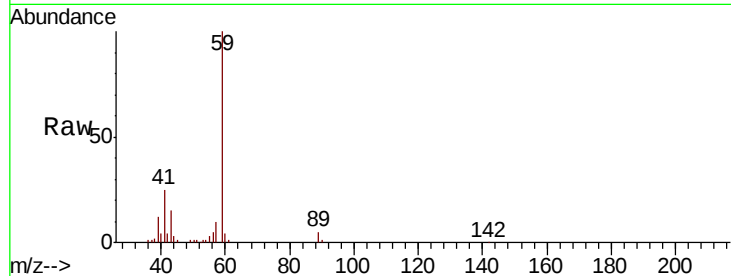


#11

Tert butyl alcohol
Concen: 353.443 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

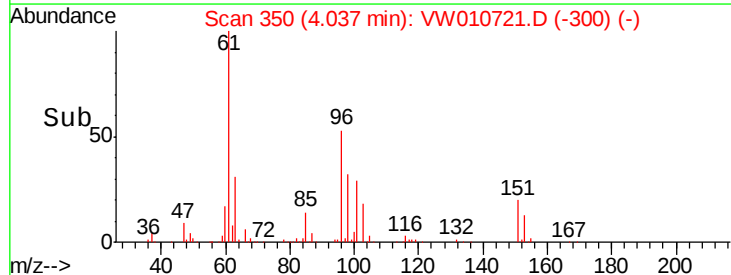
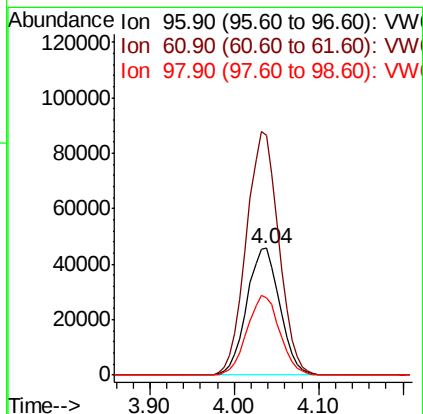
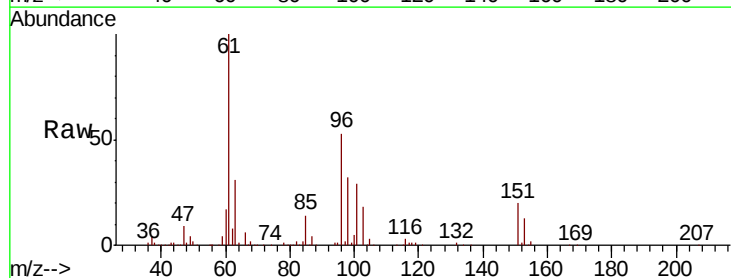
Tot Ion: 59 Resp: 78819
Ion Ratio Lower Upper
59 100
57 9.3 8.6 12.8

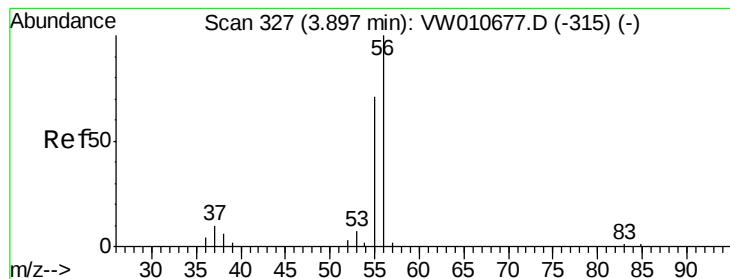


#12

1,1-Dichloroethene
Concen: 54.312 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 96 Resp: 121979
Ion Ratio Lower Upper
96 100
61 189.7 149.1 223.7
98 61.3 51.1 76.7





#13

Acrolein

Concen: 271.513 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

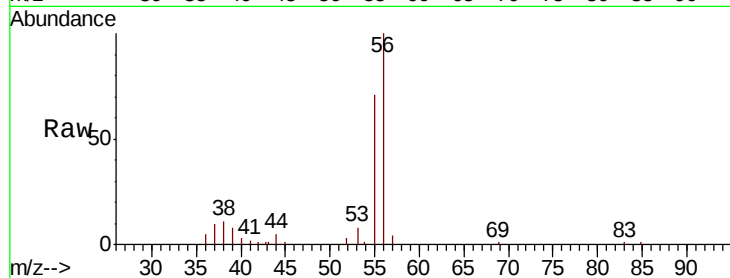
VSTDCCC050EC

Tot Ion: 56 Resp: 24742

Ion Ratio Lower Upper

56 100

55 68.7 57.6 86.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

10000

8000

6000

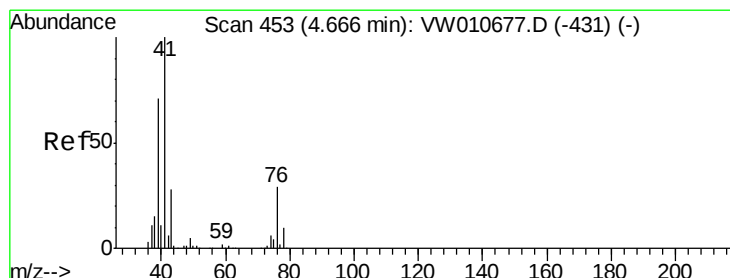
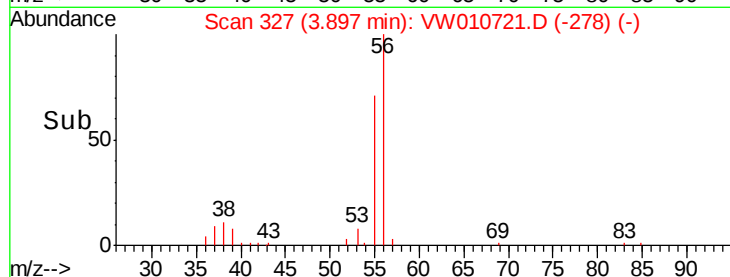
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 58.081 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

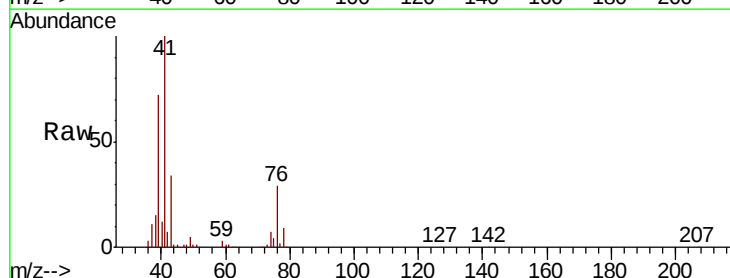
Tgt Ion: 41 Resp: 287619

Ion Ratio Lower Upper

41 100

39 69.8 55.8 83.6

76 27.8 22.7 34.1



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

120000

100000

80000

60000

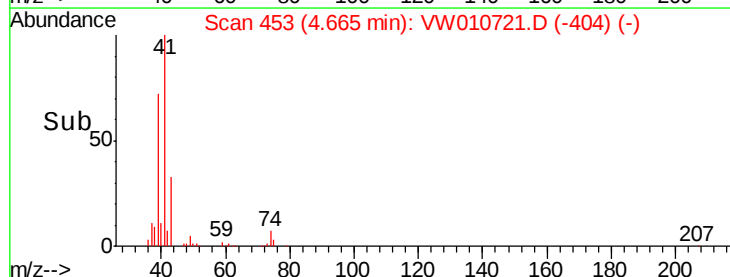
40000

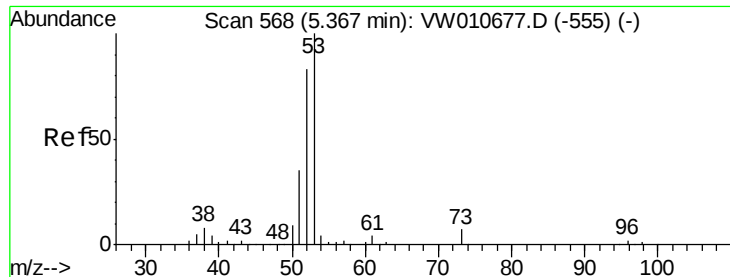
20000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 302.188 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

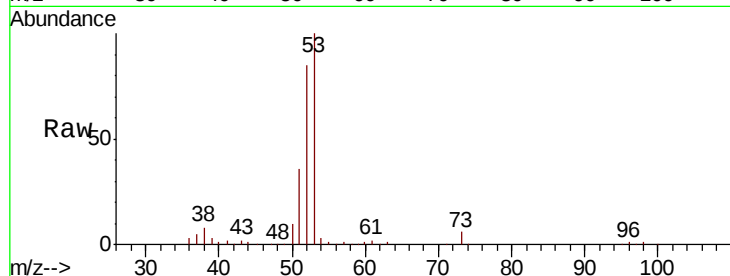
Tot Ion: 53 Resp: 198676

Ion Ratio Lower Upper

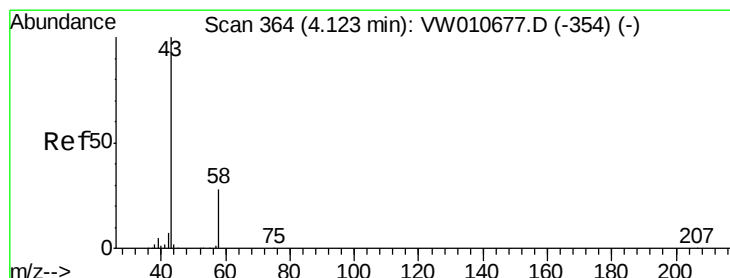
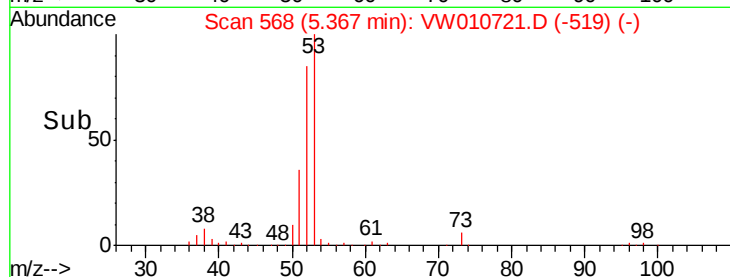
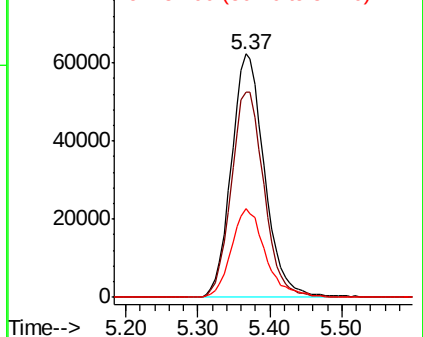
53 100

52 83.6 66.6 100.0

51 37.6 29.8 44.8



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: 289.423 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010721.D

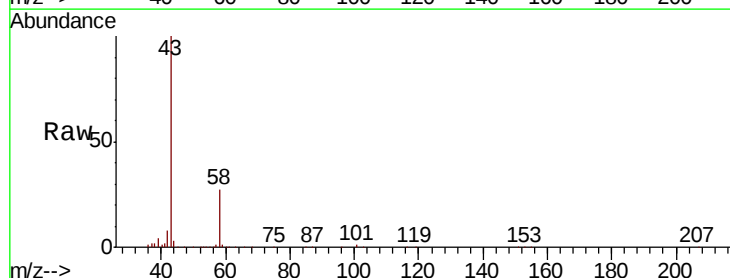
Acq: 06 Jun 2019 20:51

Tgt Ion: 43 Resp: 212280

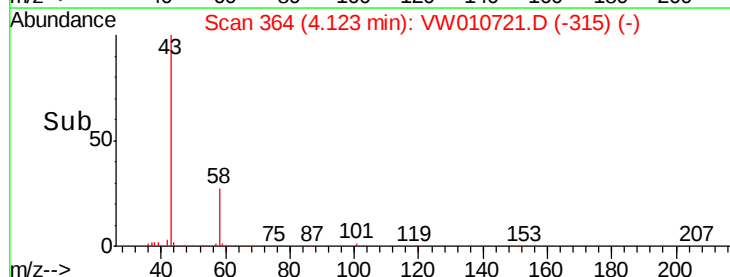
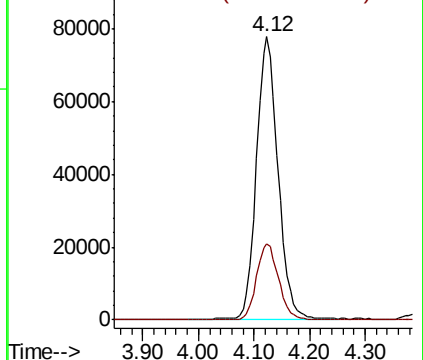
Ion Ratio Lower Upper

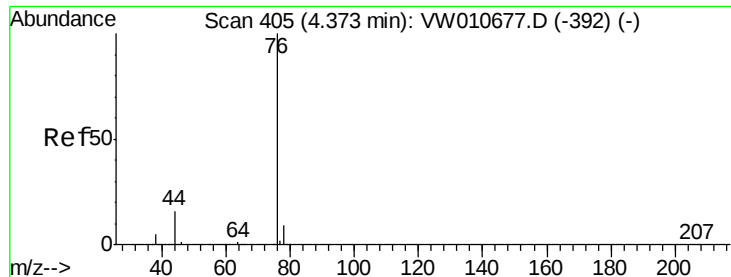
43 100

58 26.8 22.1 33.1



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

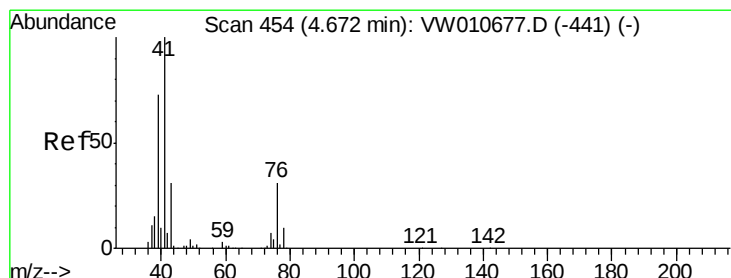
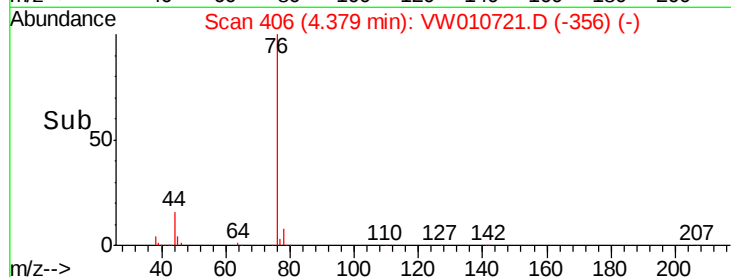
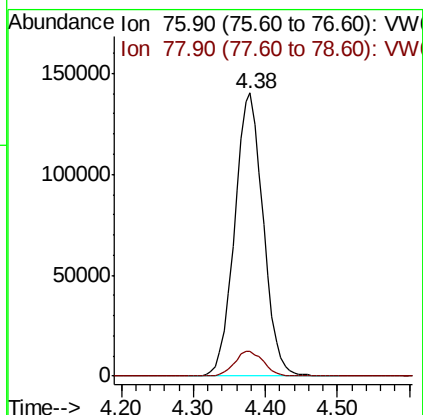
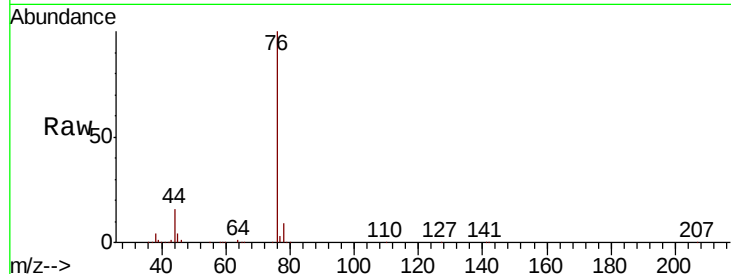




#17
Carbon Disulfide
Concen: 54.081 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

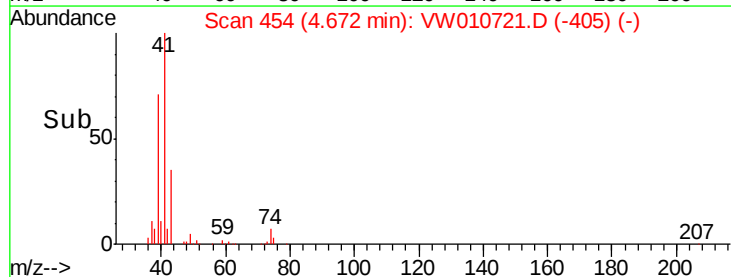
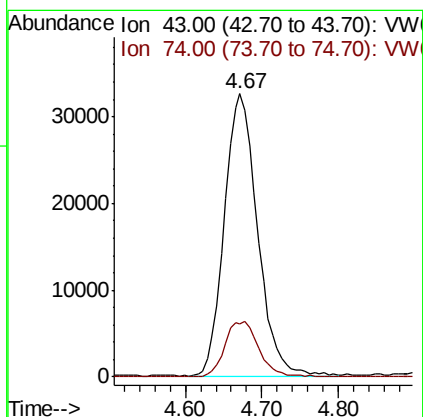
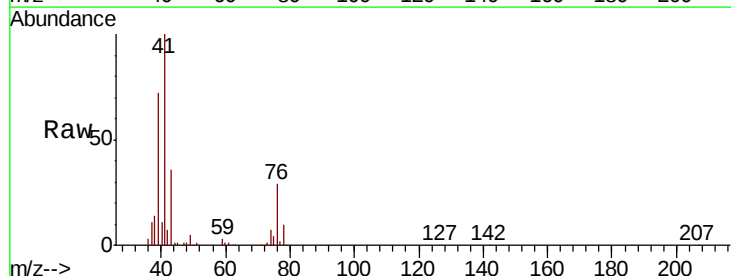
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

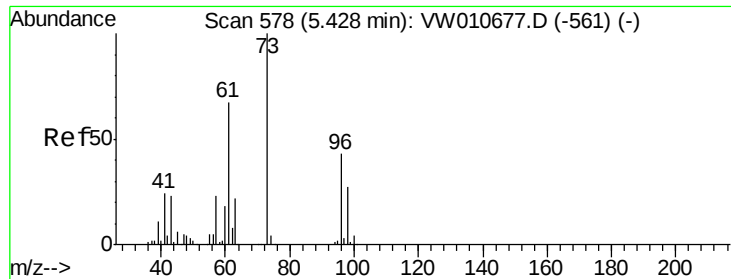
Tot Ion: 76 Resp: 385569
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 61.803 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 43 Resp: 97577
Ion Ratio Lower Upper
43 100
74 20.1 16.7 25.1

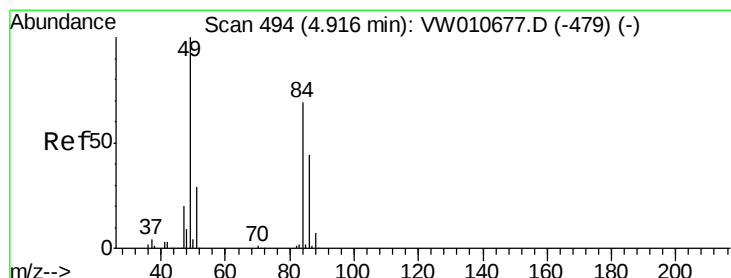
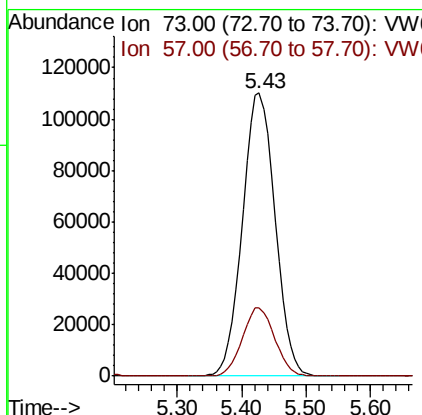
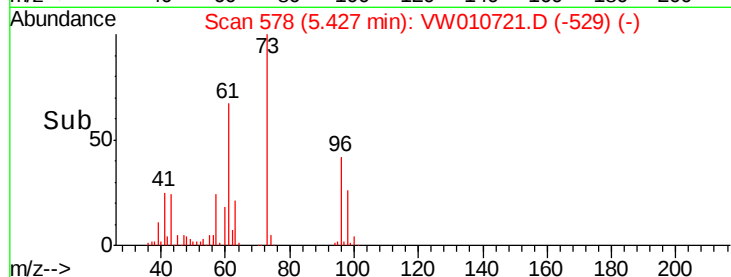
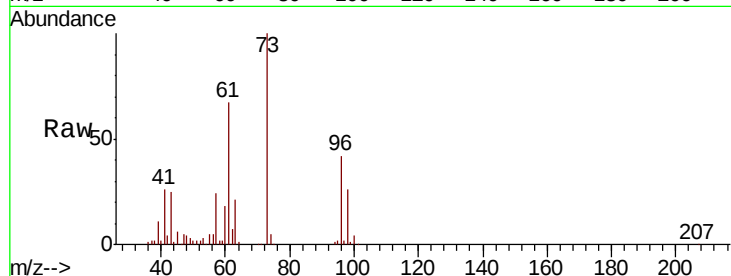




#19
Methyl tert-butyl Ether
Concen: 59.412 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

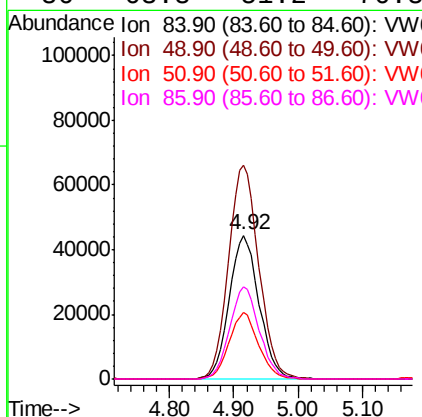
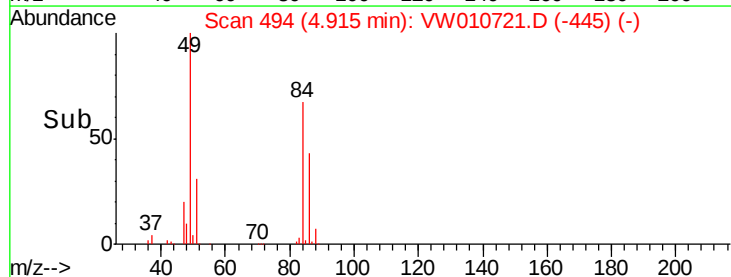
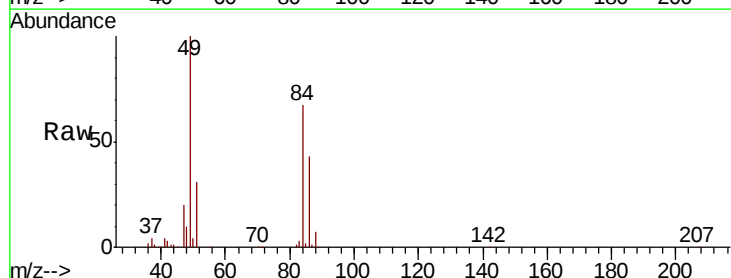
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

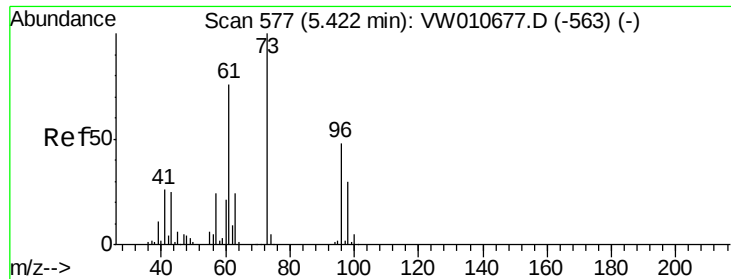
Tot Ion: 73 Resp: 384843
Ion Ratio Lower Upper
73 100
57 24.0 18.6 27.8



#20
Methylene Chloride
Concen: 55.855 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 84 Resp: 143719
Ion Ratio Lower Upper
84 100
49 148.9 116.7 175.1
51 46.2 34.2 51.2
86 63.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 55.738 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

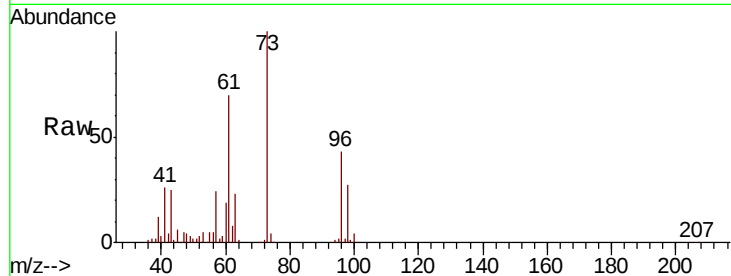
Tot Ion: 96 Resp: 142107

Ion Ratio Lower Upper

96 100

61 162.5 126.0 189.0

98 63.0 49.6 74.4

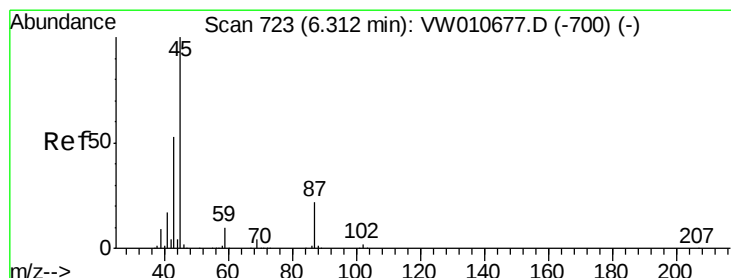
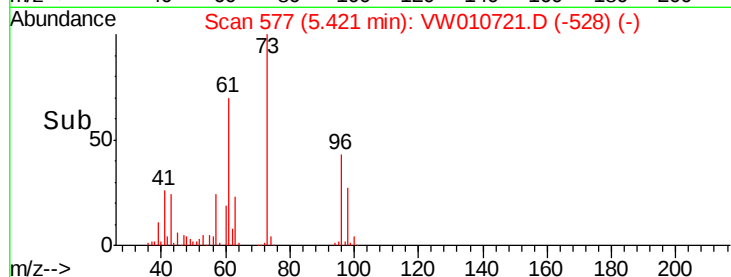
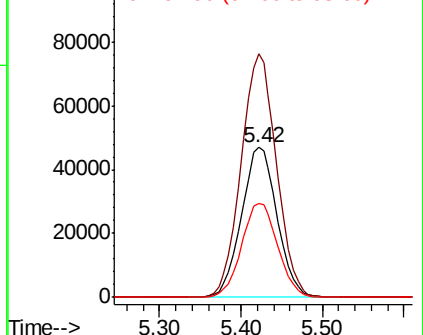


Abundance

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



#22

Diisopropyl ether

Concen: 59.201 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion: 45 Resp: 586932

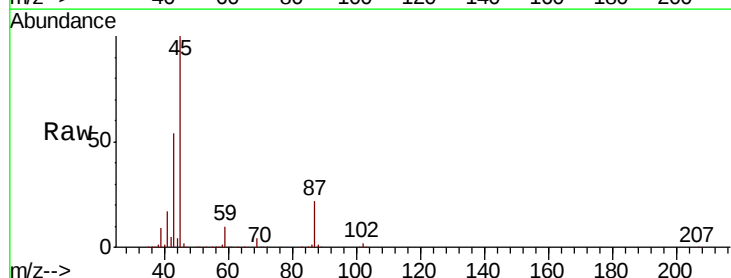
Ion Ratio Lower Upper

45 100

43 54.1 42.5 63.7

87 21.7 17.4 26.2

59 10.3 8.1 12.1



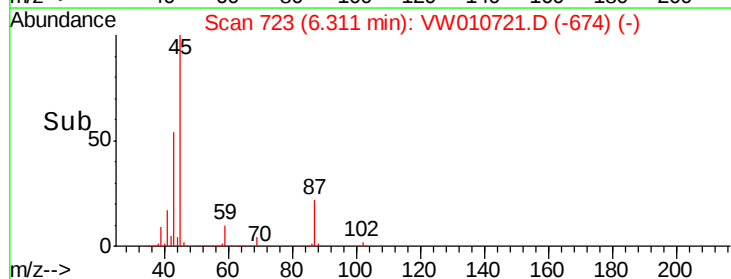
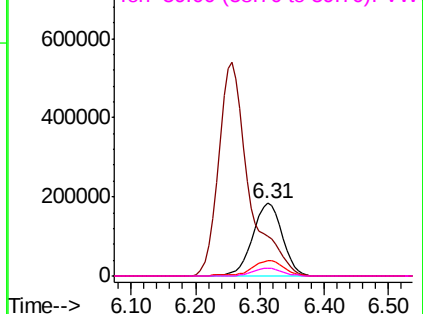
Abundance

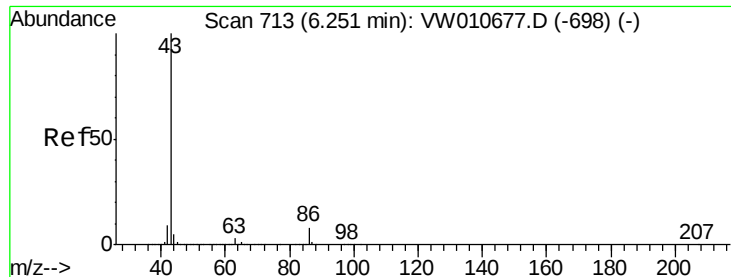
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 297.809 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

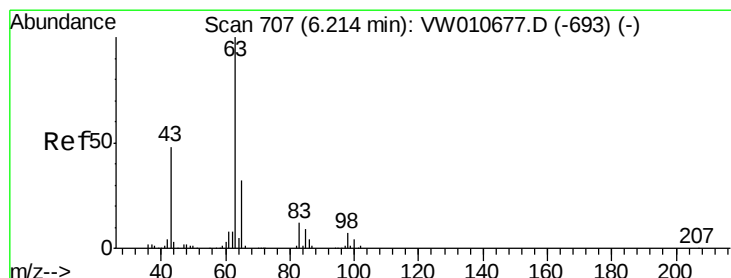
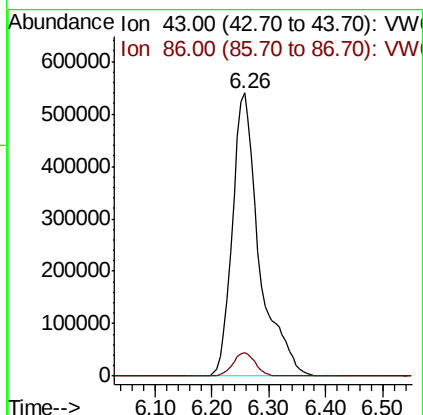
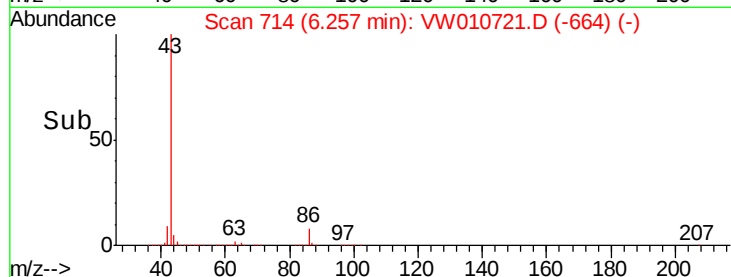
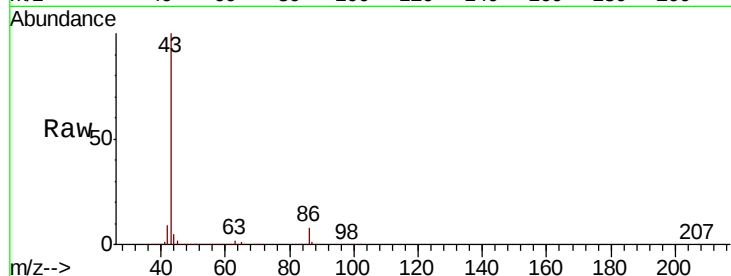
VSTDCCC050EC

Tot Ion: 43 Resp: 1781836

Ion Ratio Lower Upper

43 100

86 8.5 6.6 10.0



#24

1,1-Dichloroethane

Concen: 57.684 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

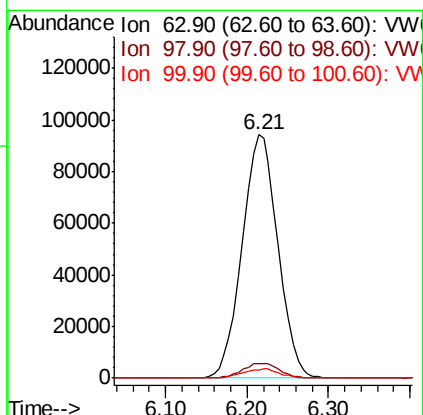
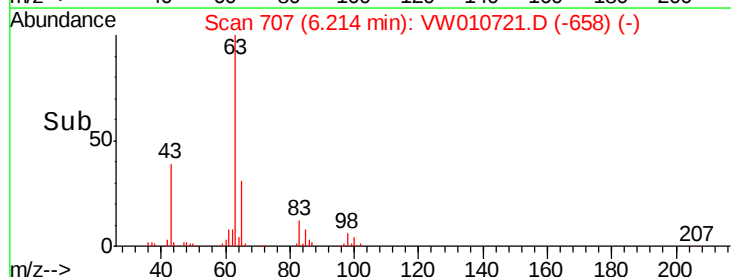
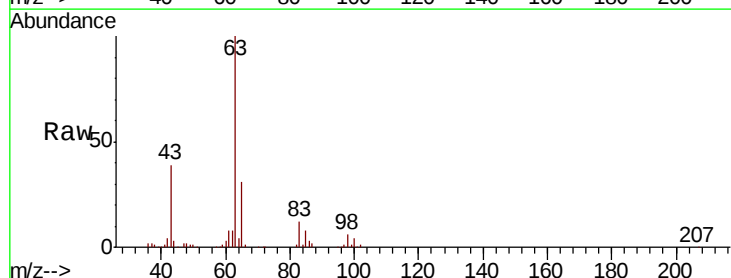
Tgt Ion: 63 Resp: 286596

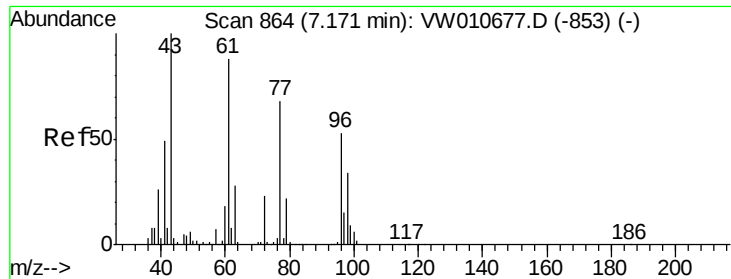
Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 304.912 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

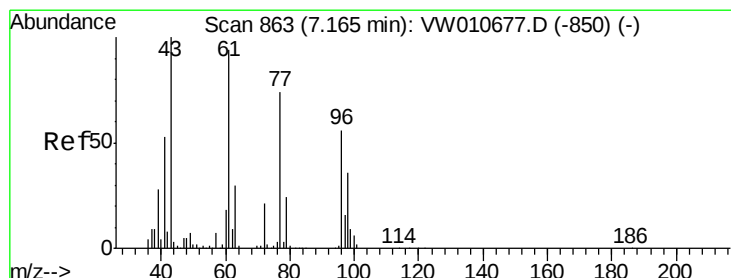
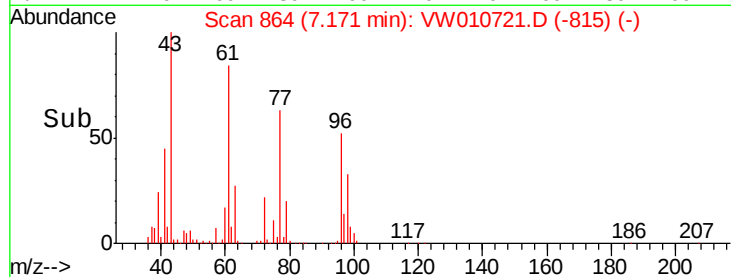
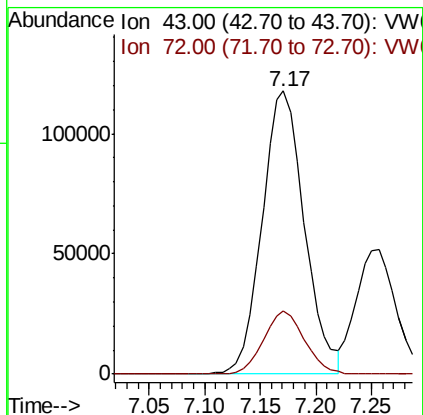
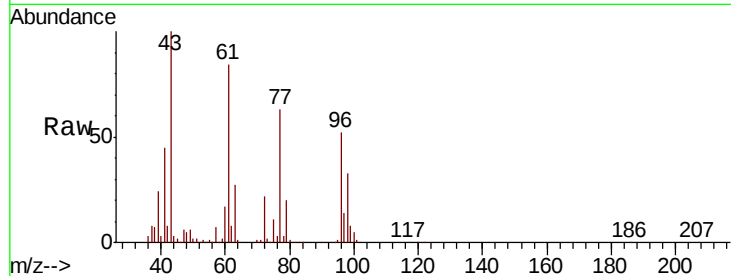
VSTDCCC050EC

Tot Ion: 43 Resp: 310109

Ion Ratio Lower Upper

43 100

72 22.2 18.1 27.1



#26

2,2-Dichloropropane

Concen: 54.092 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010721.D

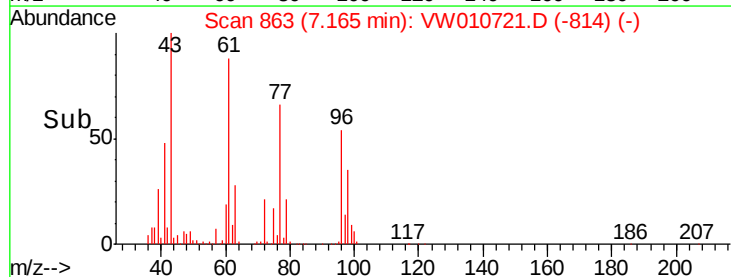
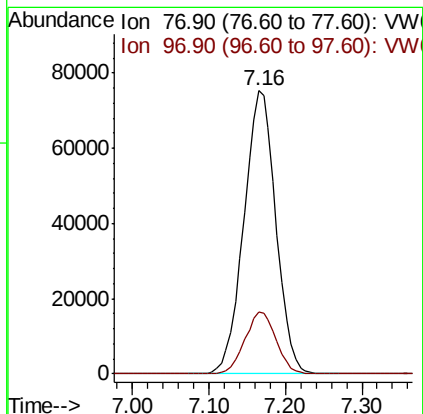
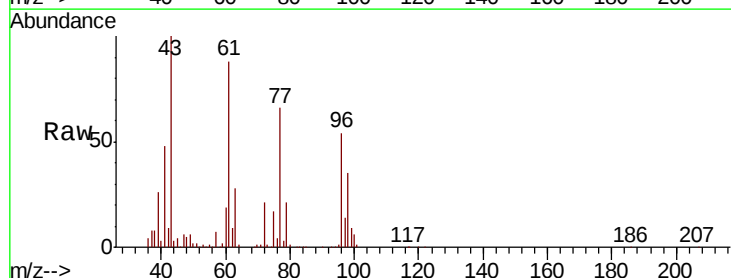
Acq: 06 Jun 2019 20:51

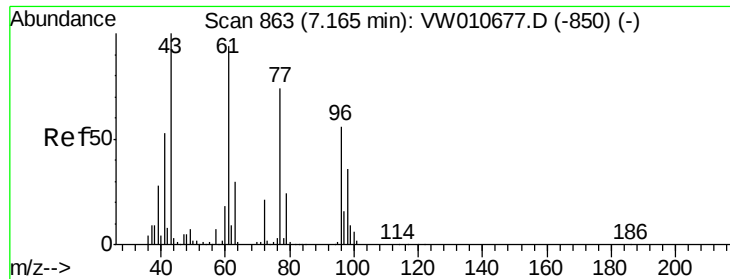
Tgt Ion: 77 Resp: 218690

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6



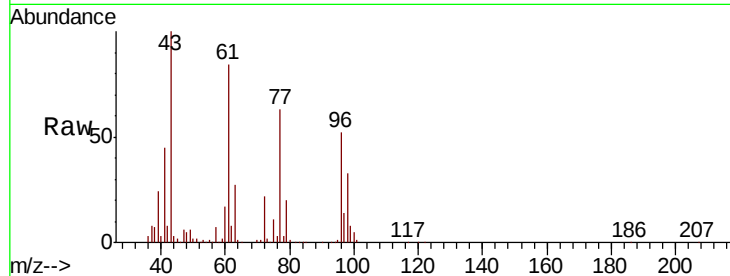


#27

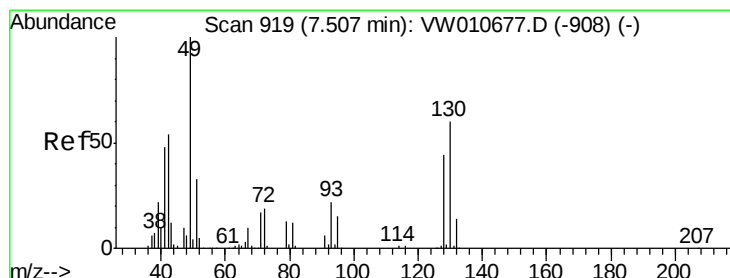
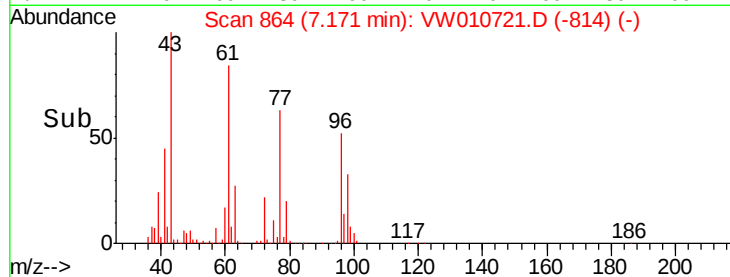
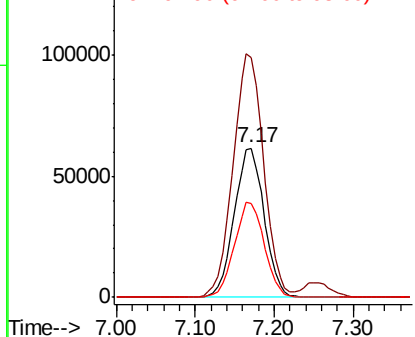
cis-1,2-Dichloroethene
Concen: 57.957 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.1	0.0	336.4
98	63.7	0.0	128.0



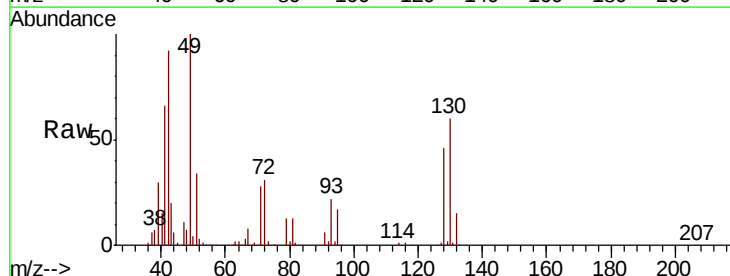
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



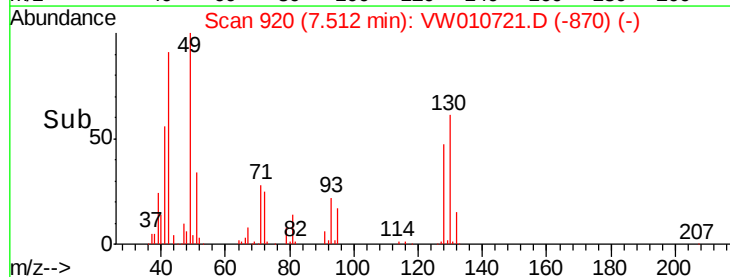
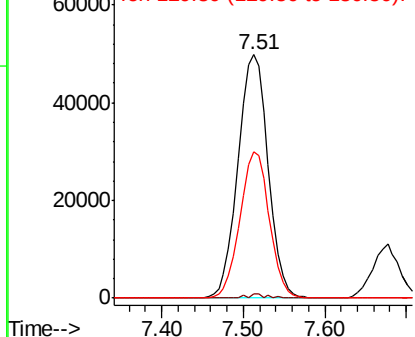
#28

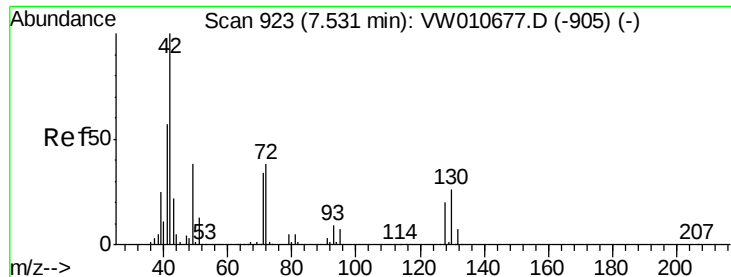
Bromochloromethane
Concen: 57.620 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.2
130	58.5	48.3	72.5



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

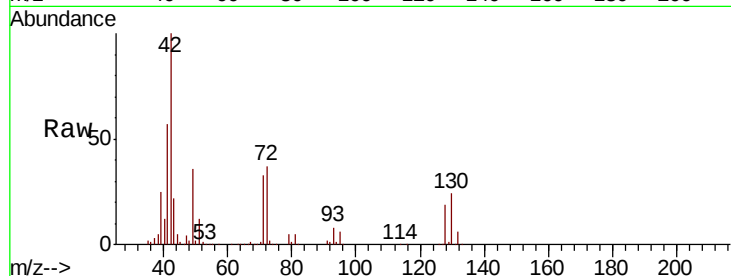




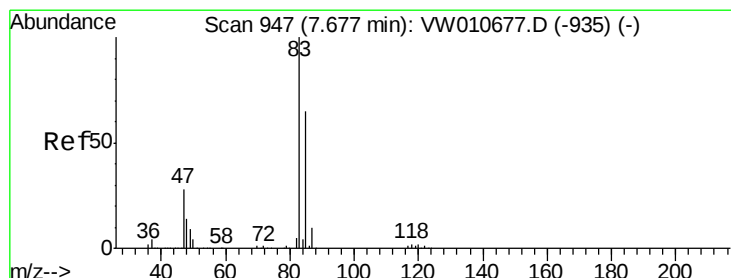
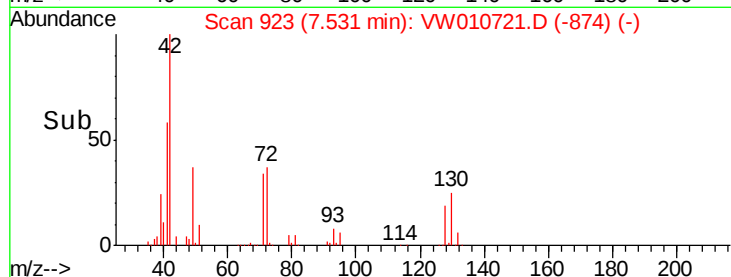
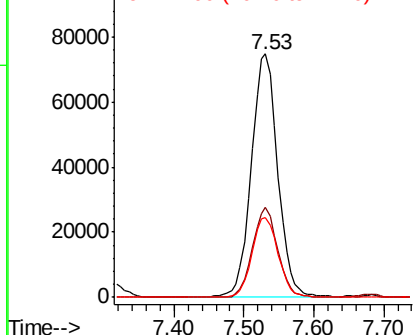
#29
Tetrahydrofuran
Concen: 305.968 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 195732
Ion Ratio Lower Upper
42 100
72 35.3 28.7 43.1
71 32.8 26.6 39.8

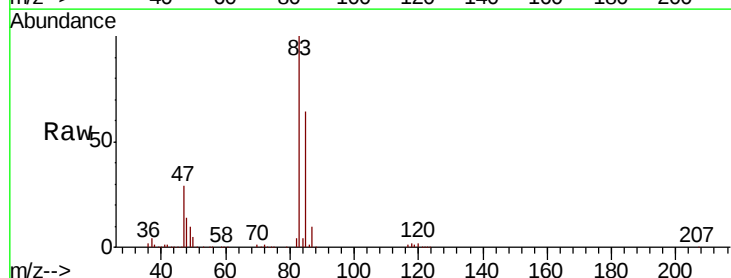


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

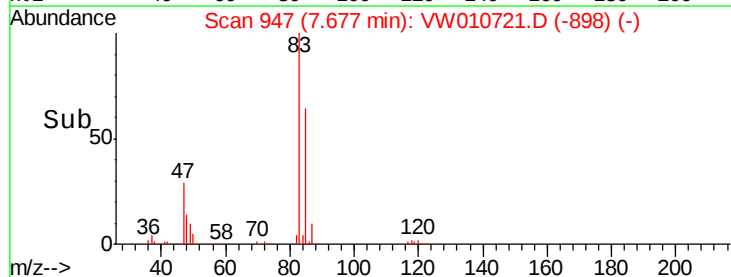
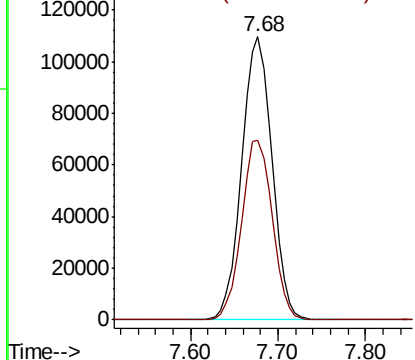


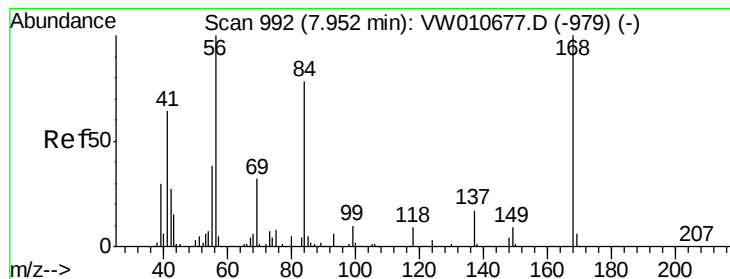
#30
Chloroform
Concen: 58.054 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 83 Resp: 263826
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.8



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





#31

Cyclohexane

Concen: 50.535 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

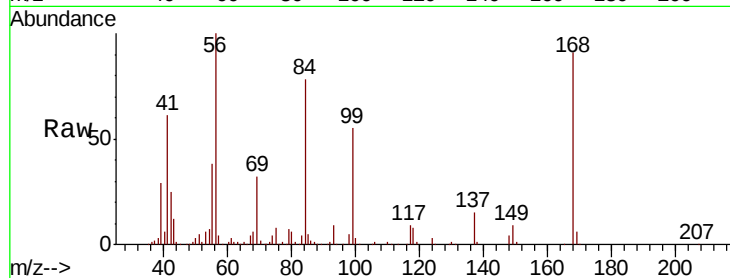
Tot Ion: 56 Resp: 279107

Ion Ratio Lower Upper

56 100

69 31.8 25.2 37.8

84 76.8 62.2 93.2

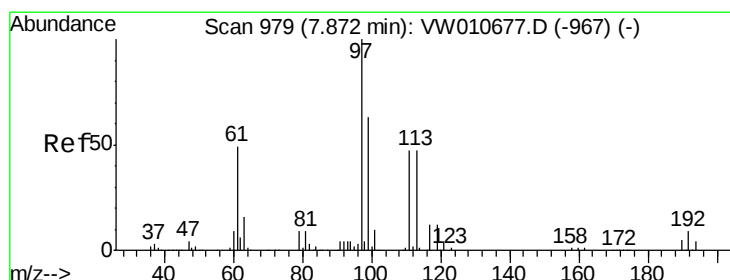
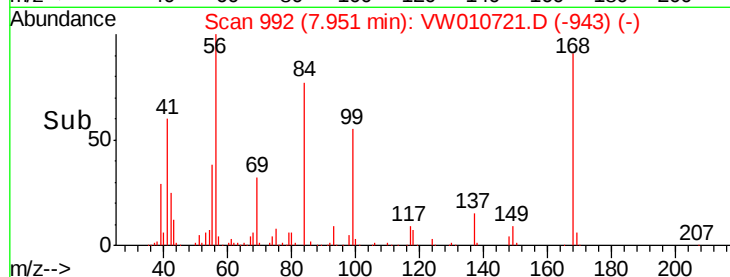
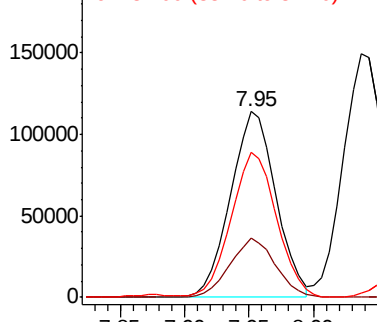


Abundance

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: 56.740 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

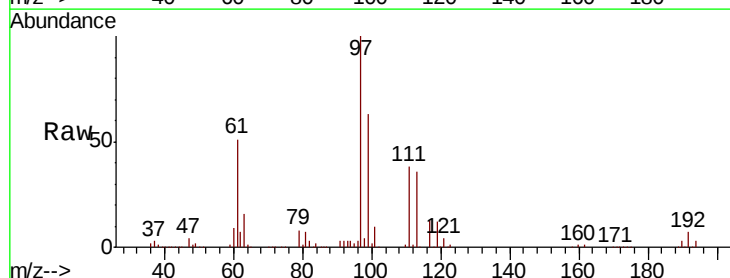
Tgt Ion: 97 Resp: 225241

Ion Ratio Lower Upper

97 100

99 63.2 51.3 76.9

61 50.3 40.4 60.6

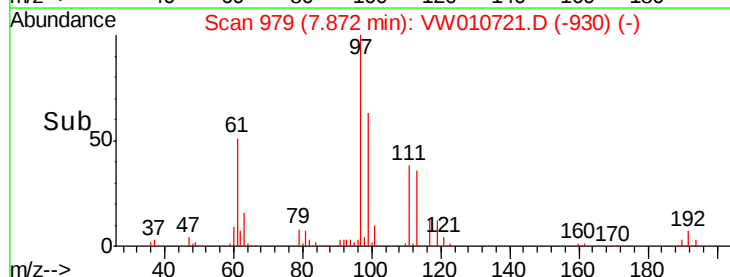
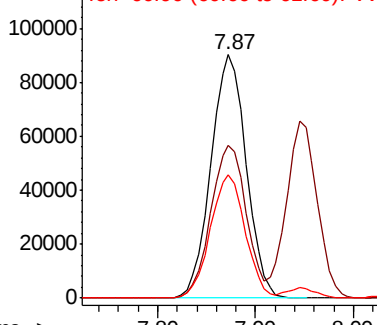


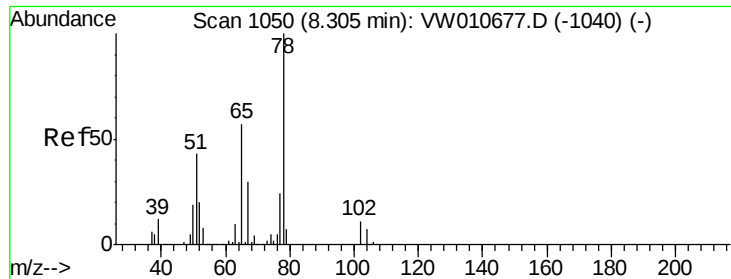
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

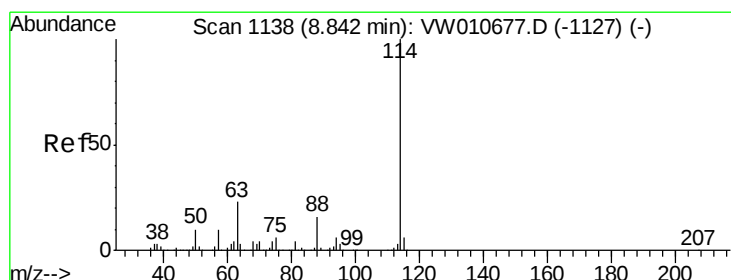
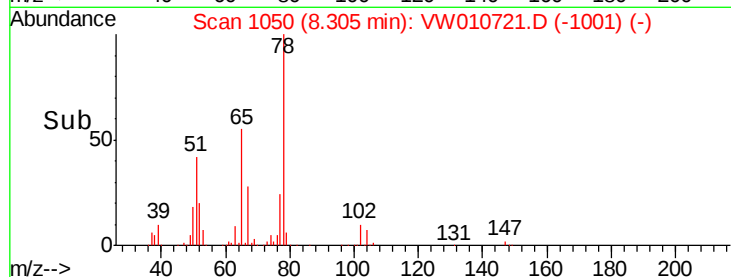
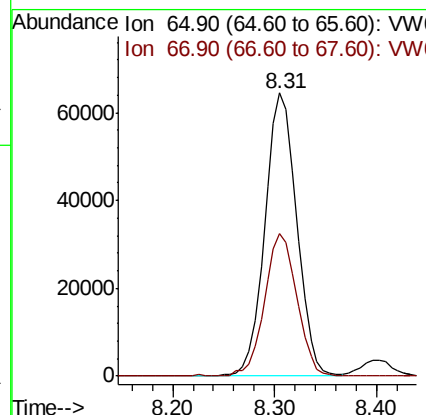
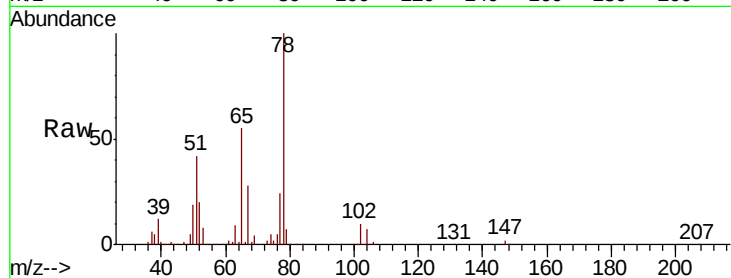




#33
 1,2-Dichloroethane-d4
 Concen: 51.057 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

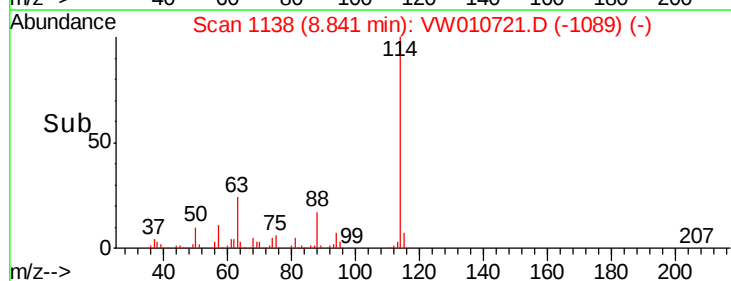
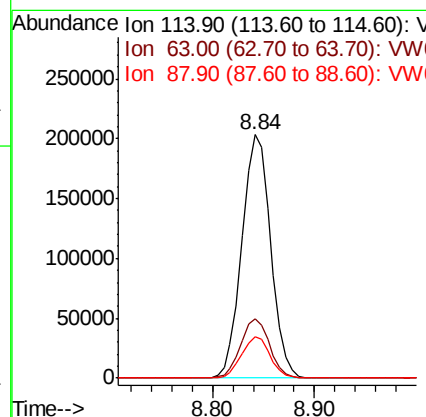
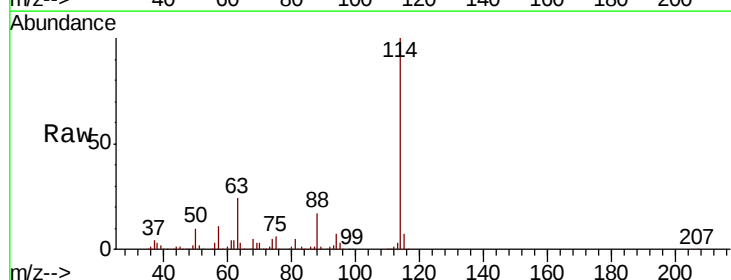
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

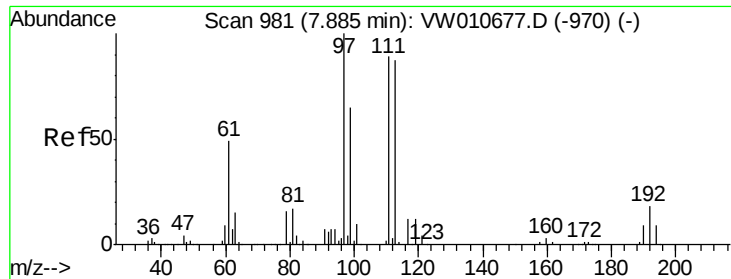
Tot Ion: 65 Resp: 139760
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion: 114 Resp: 397131
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 46.4
 88 17.0 0.0 32.2

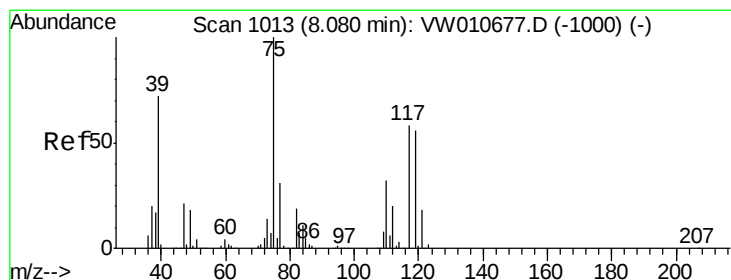
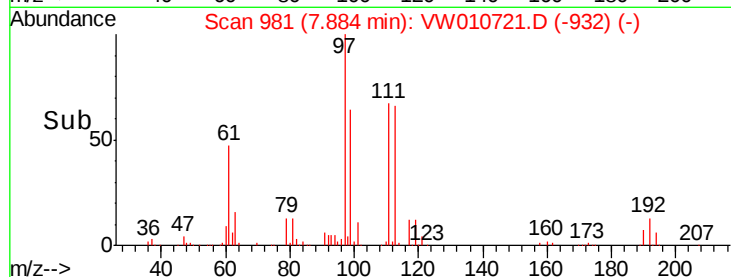
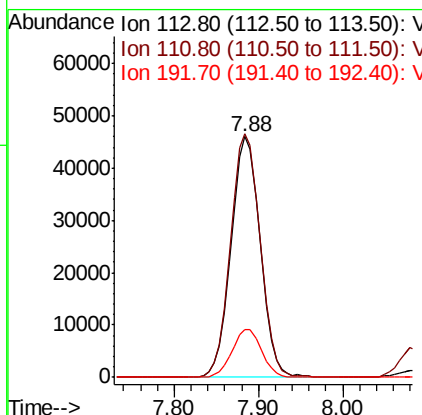
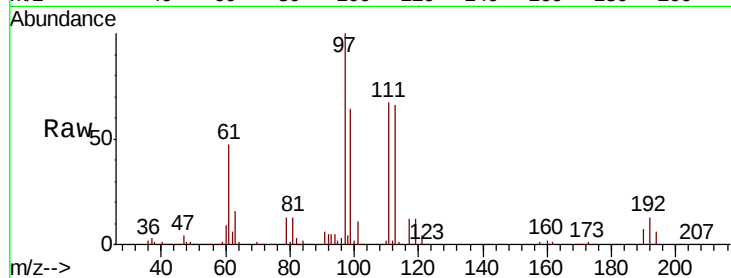




#35
 Dibromofluoromethane
 Concen: 49.965 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

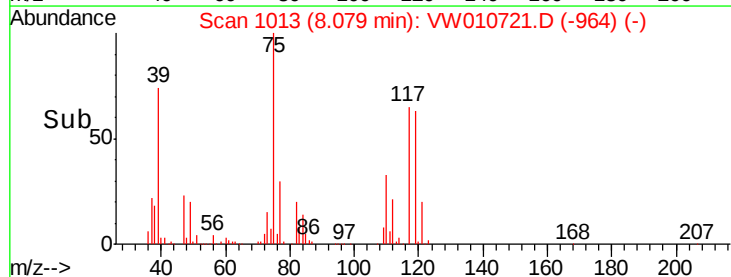
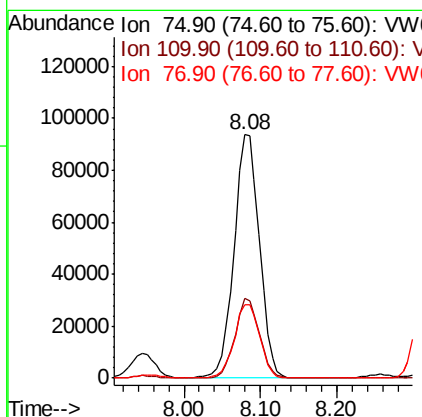
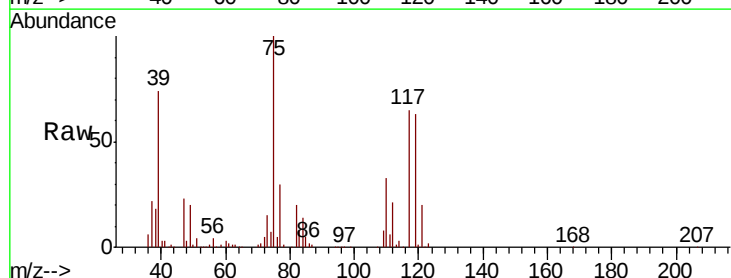
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	20.1	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 52.748 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.5	15.8	47.3
77	30.6	24.7	37.1

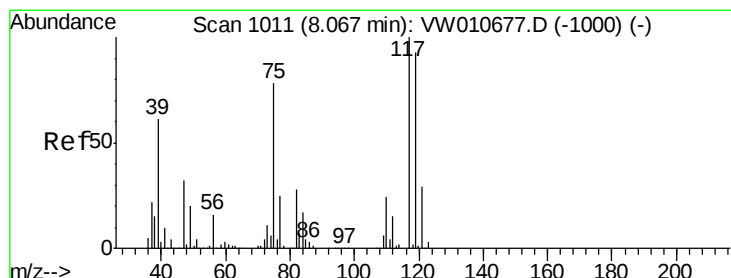
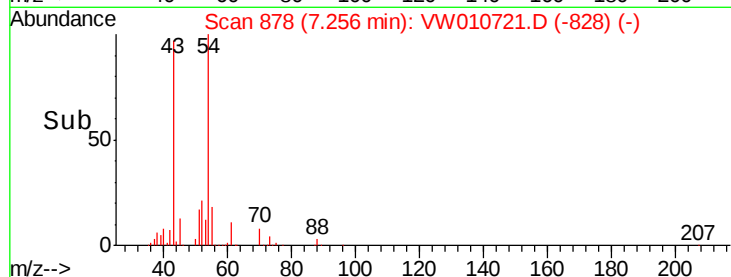
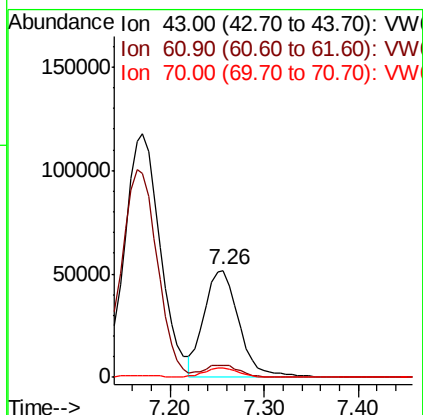
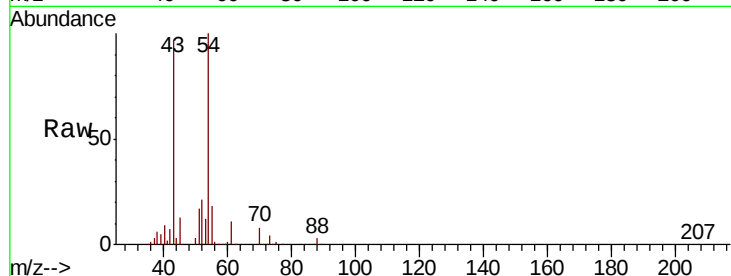




#37
Ethyl Acetate
Concen: 58.267 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

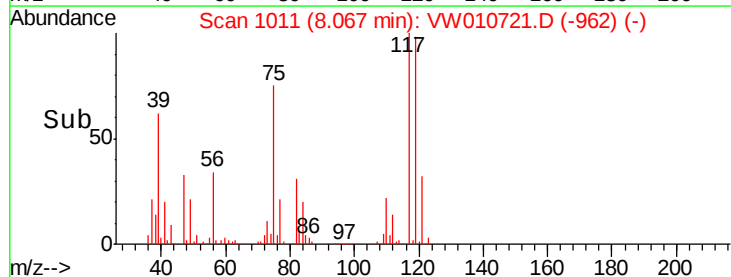
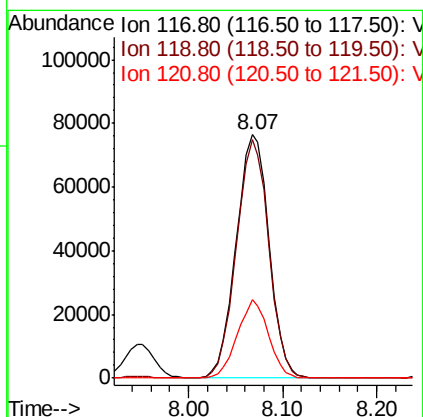
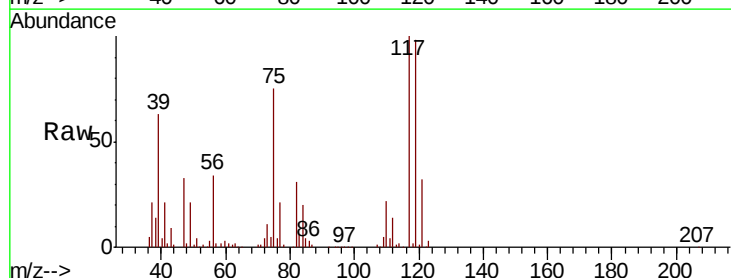
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

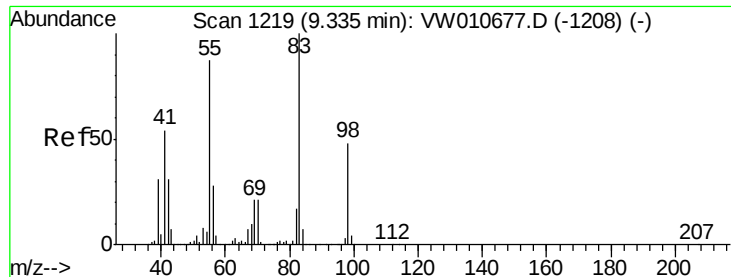
Tot Ion: 43 Resp: 131254
Ion Ratio Lower Upper
43 100
61 11.2 9.7 14.5
70 8.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 53.163 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 117 Resp: 186559
Ion Ratio Lower Upper
117 100
119 98.2 74.2 111.4
121 32.2 22.9 34.3

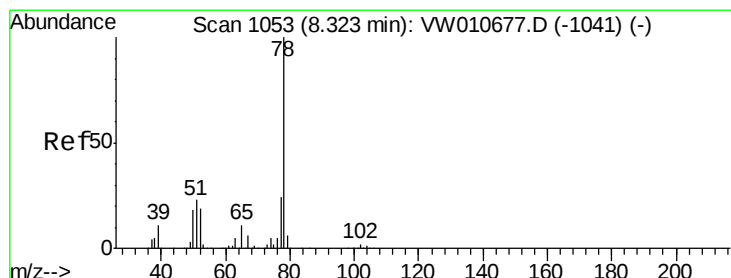
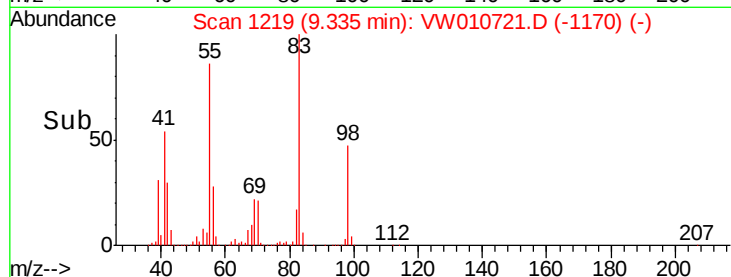
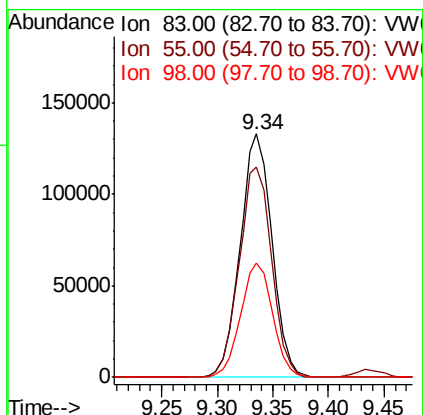
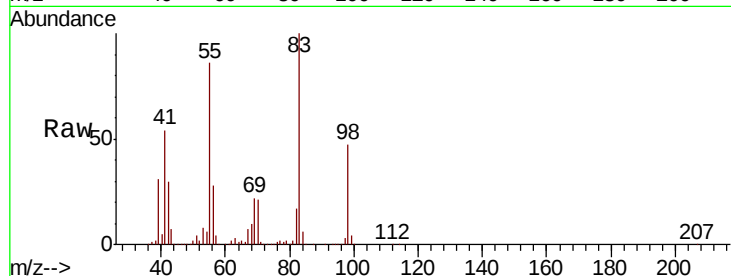




#39
Methvlcvclohexane
Concen: 51.156 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

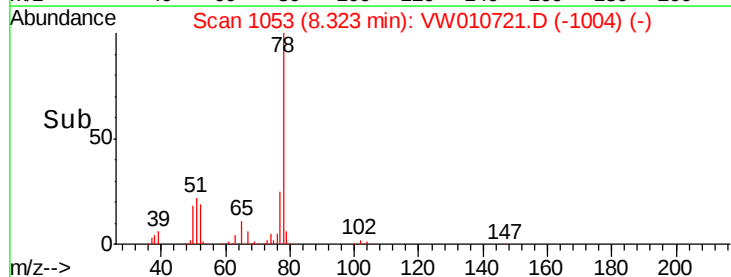
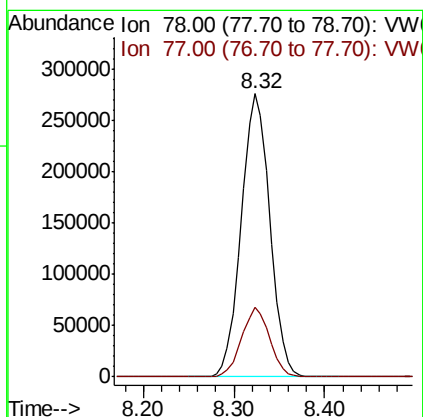
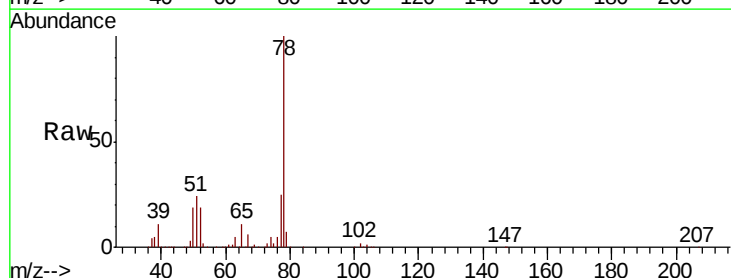
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

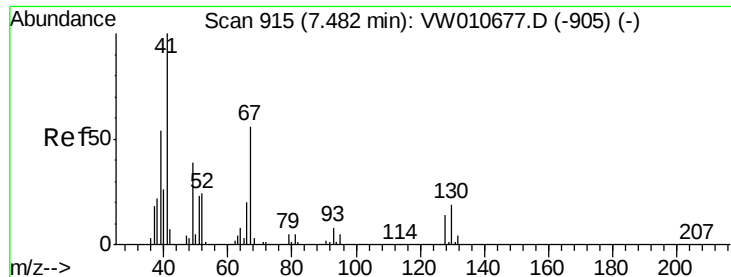
Tot Ion: 83 Resp: 264355
Ion Ratio Lower Upper
83 100
55 86.4 70.0 105.0
98 46.8 38.1 57.1



#40
Benzene
Concen: 54.351 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 78 Resp: 602740
Ion Ratio Lower Upper
78 100
77 24.8 19.1 28.7





#41

Methacrylonitrile

Concen: 57.454 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 76928

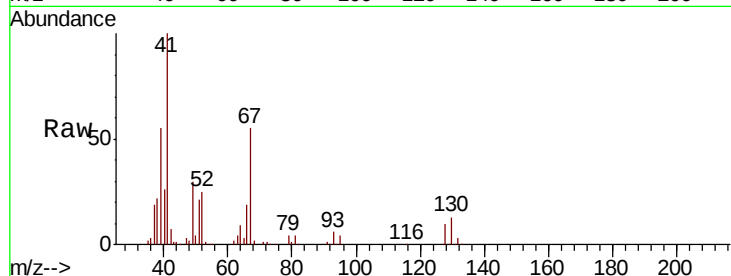
Ion Ratio Lower Upper

41 100

39 61.3 47.3 70.9

67 59.6 47.2 70.8

52 27.4 21.3 31.9

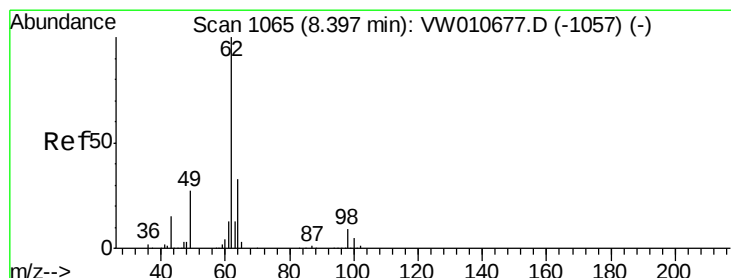
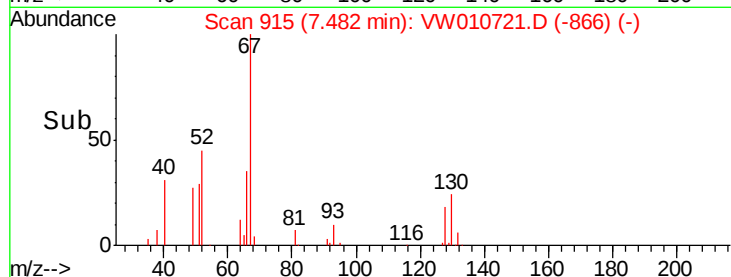
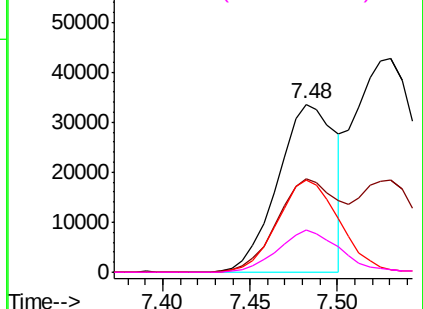


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 56.948 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010721.D

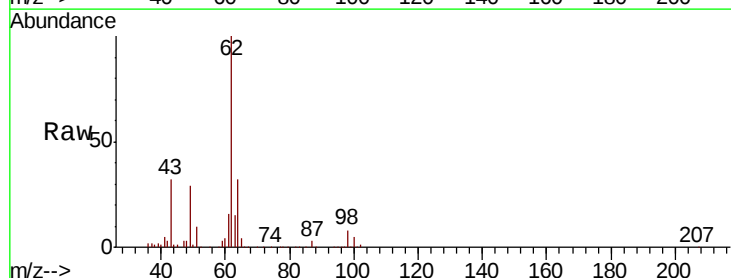
Acq: 06 Jun 2019 20:51

Tgt Ion: 62 Resp: 200440

Ion Ratio Lower Upper

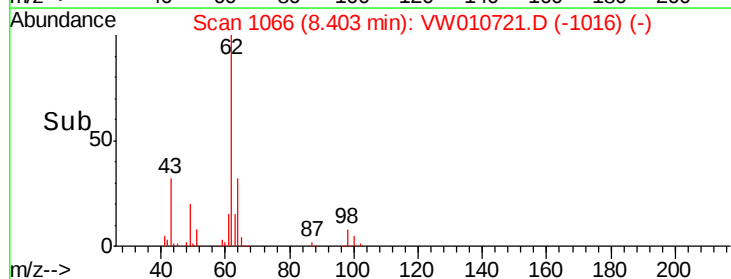
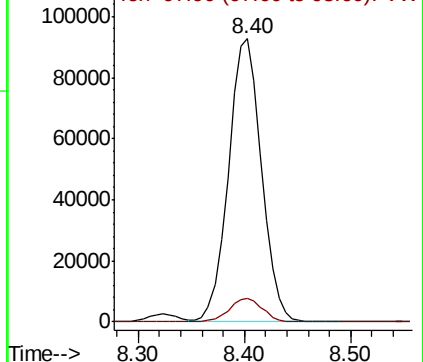
62 100

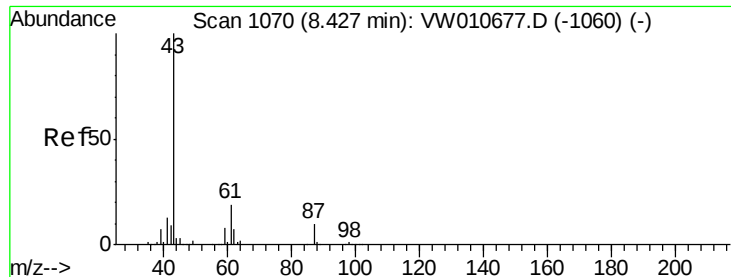
98 8.3 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 58.767 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

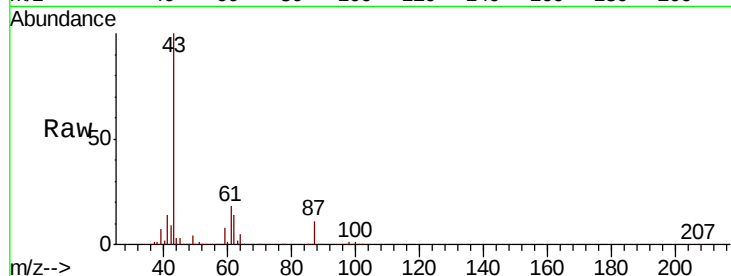
Tot Ion: 43 Resp: 255750

Ion Ratio Lower Upper

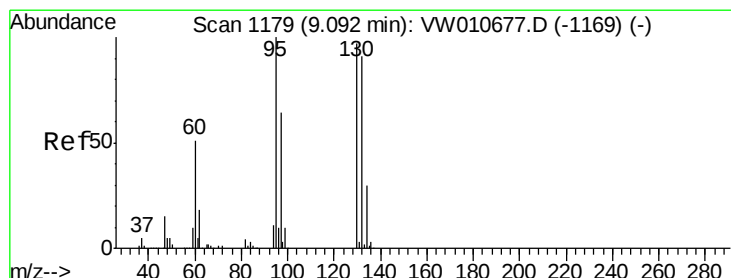
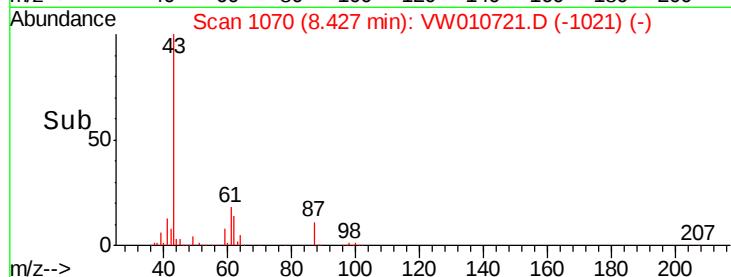
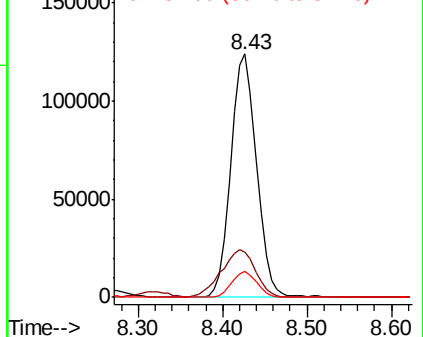
43 100

61 26.2 21.2 31.8

87 10.3 8.3 12.5



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: 53.598 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010721.D

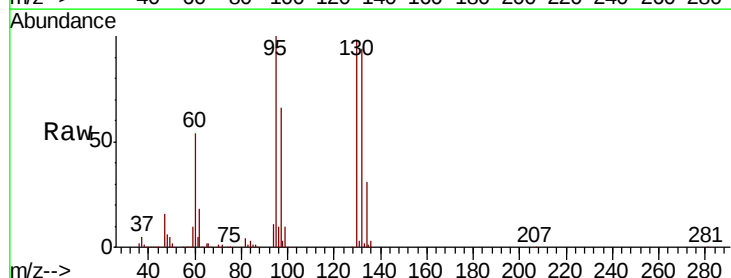
Acq: 06 Jun 2019 20:51

Tgt Ion:130 Resp: 146623

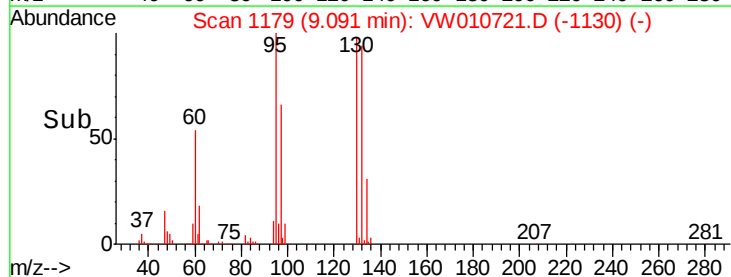
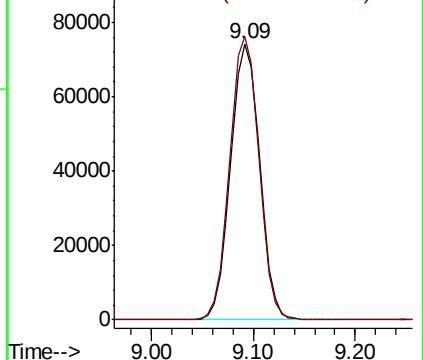
Ion Ratio Lower Upper

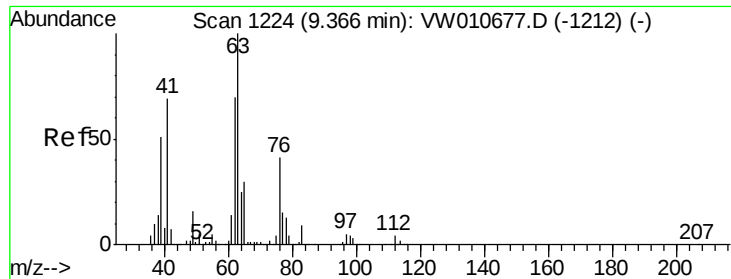
130 100

95 102.5 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 56.120 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

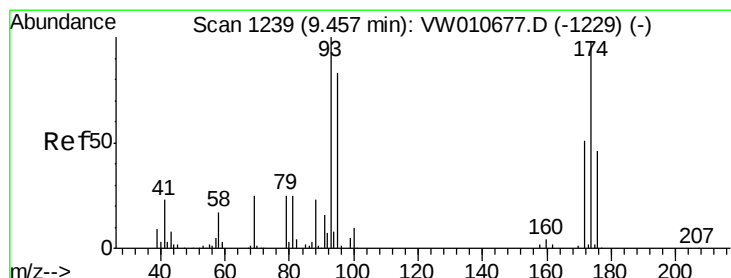
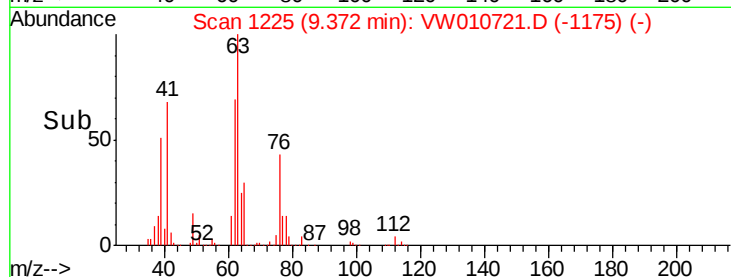
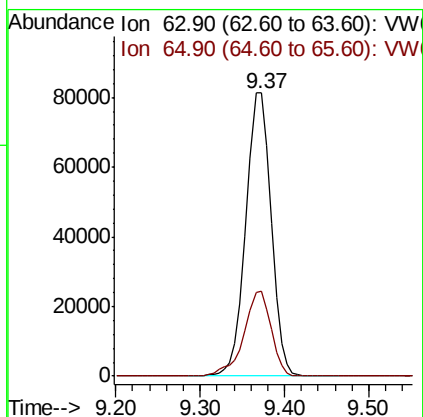
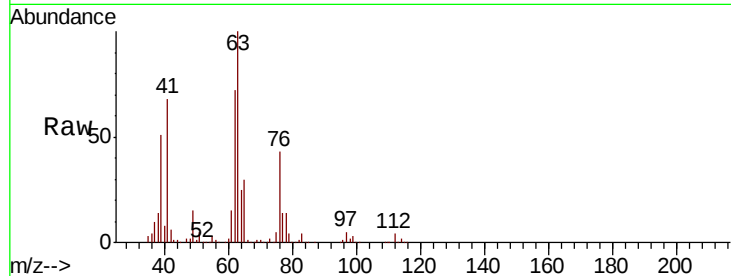
VSTDCCC050EC

Tot Ion: 63 Resp: 164748

Ion Ratio Lower Upper

63 100

65 30.2 23.8 35.6



#46

Dibromomethane

Concen: 56.666 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

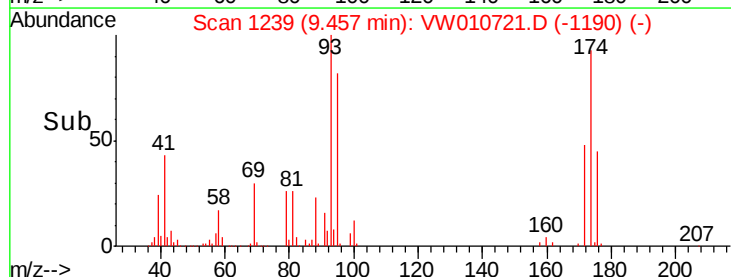
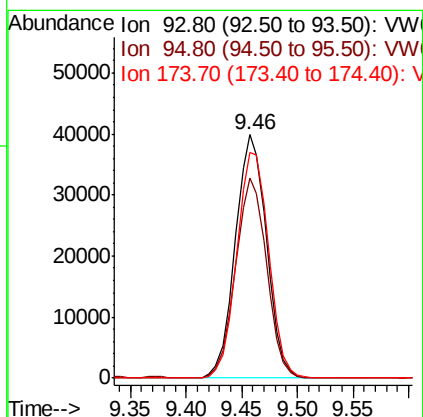
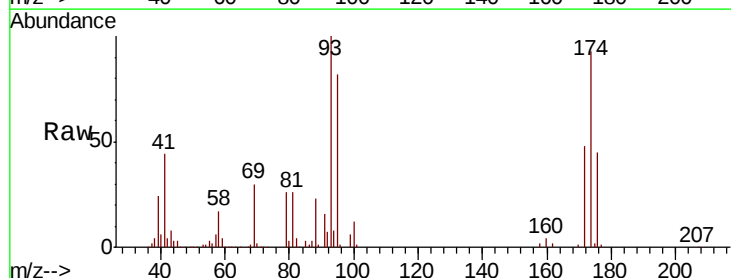
Tgt Ion: 93 Resp: 77265

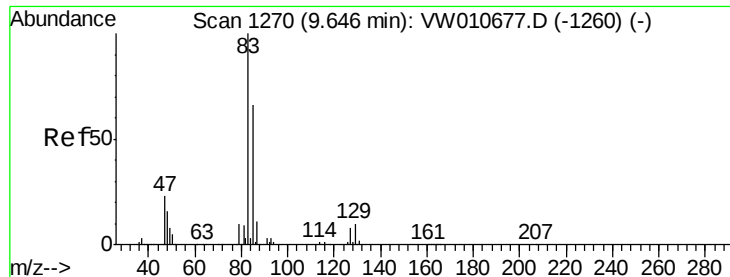
Ion Ratio Lower Upper

93 100

95 82.1 65.8 98.8

174 95.1 77.4 116.0





#47

Bromodichloromethane

Concen: 57.399 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

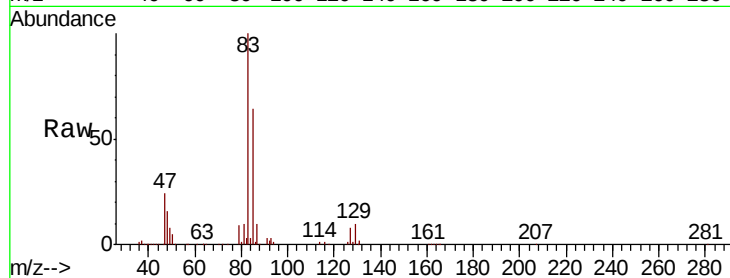
Tot Ion: 83 Resp: 202876

Ion Ratio Lower Upper

83 100

85 64.4 53.0 79.4

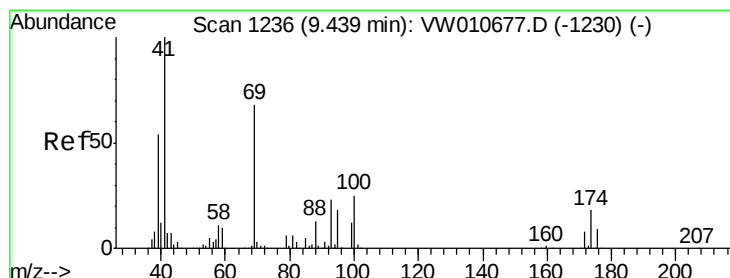
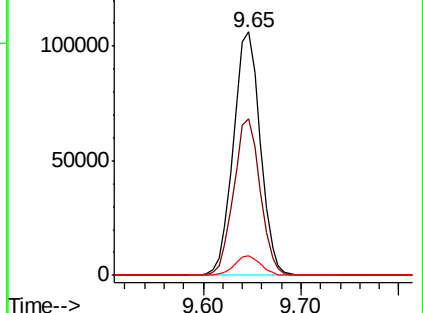
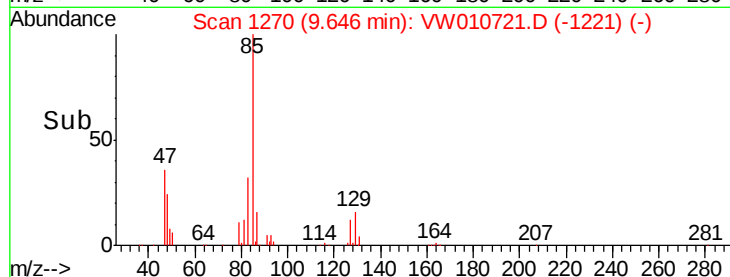
127 8.0 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 59.473 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

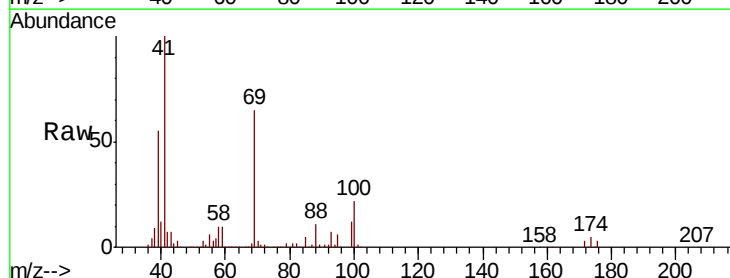
Tgt Ion: 41 Resp: 124790

Ion Ratio Lower Upper

41 100

69 70.6 56.6 85.0

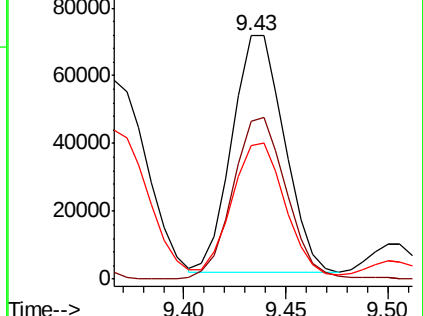
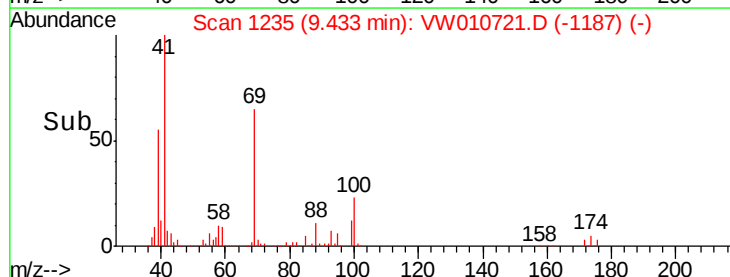
39 59.9 44.4 66.6

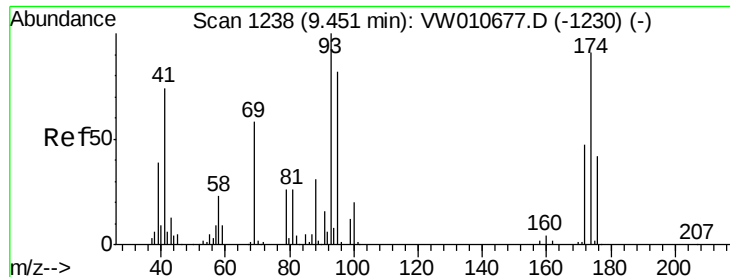


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1212.968 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

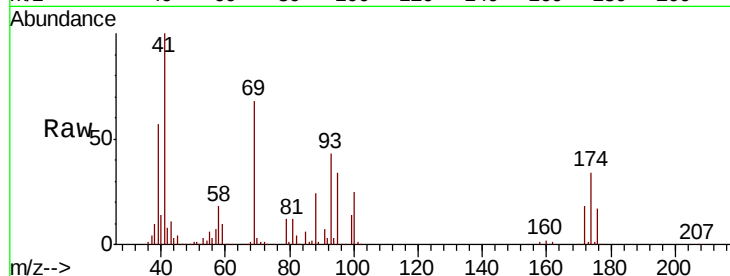
Tot Ion: 88 Resp: 25858

Ion Ratio Lower Upper

88 100

43 42.4 34.2 51.4

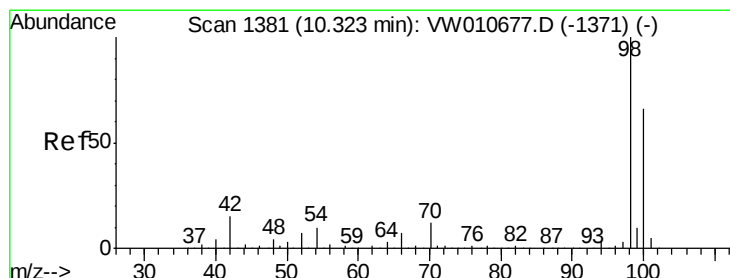
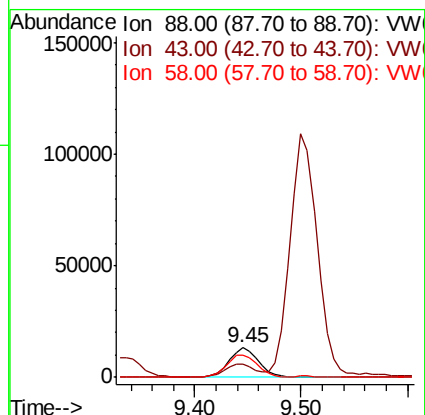
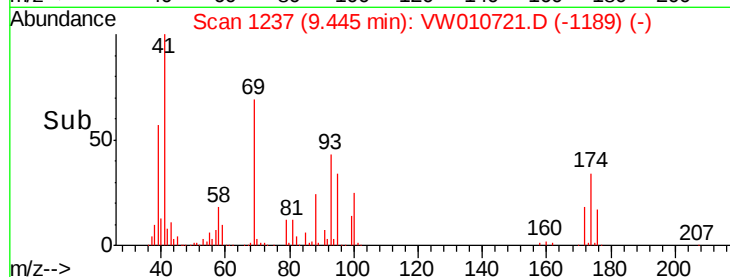
58 80.9 69.0 103.4



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: 46.180 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010721.D

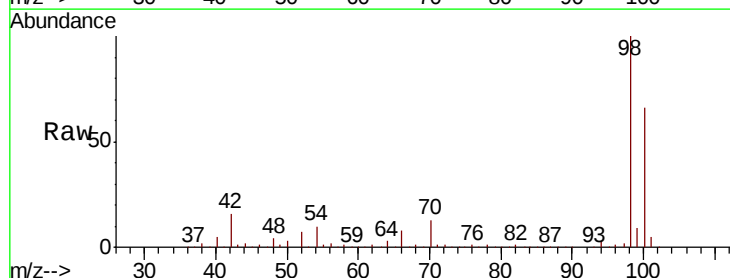
Acq: 06 Jun 2019 20:51

Tgt Ion: 98 Resp: 436511

Ion Ratio Lower Upper

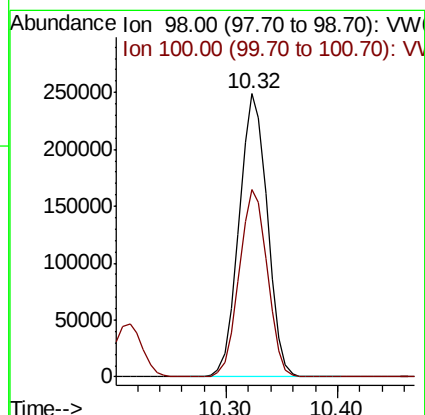
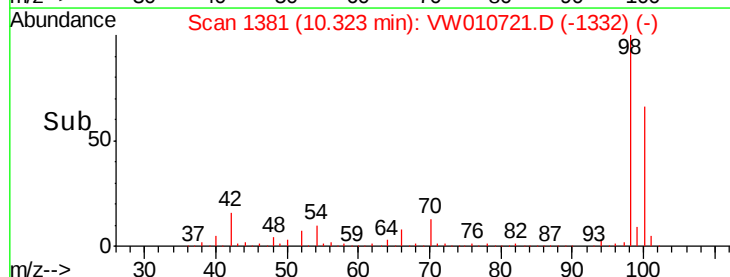
98 100

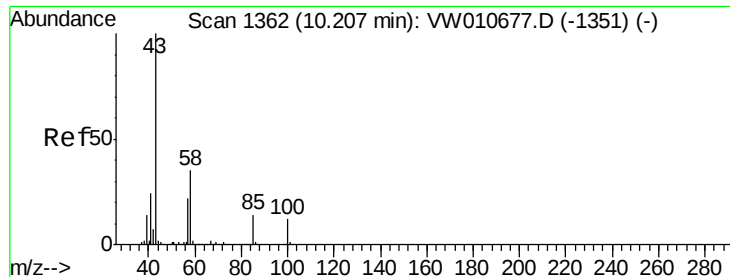
100 66.1 53.0 79.6



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: 298.622 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

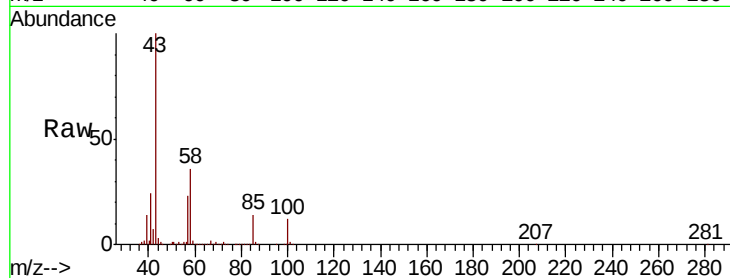
VSTDCCC050EC

Tot Ion: 43 Resp: 663922

Ion Ratio Lower Upper

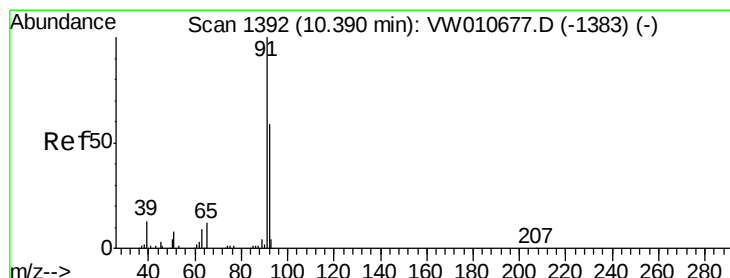
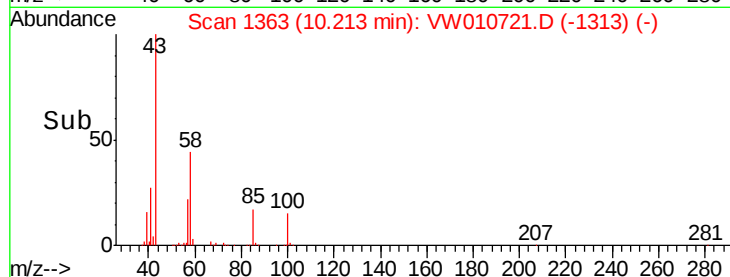
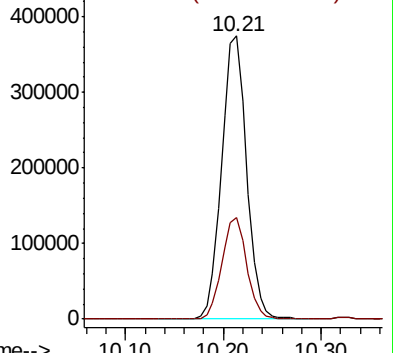
43 100

58 35.7 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 54.607 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010721.D

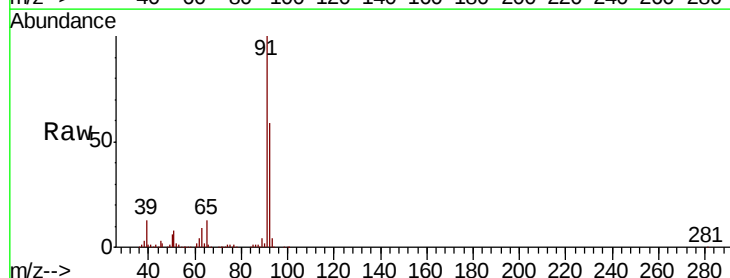
Acq: 06 Jun 2019 20:51

Tgt Ion: 92 Resp: 372599

Ion Ratio Lower Upper

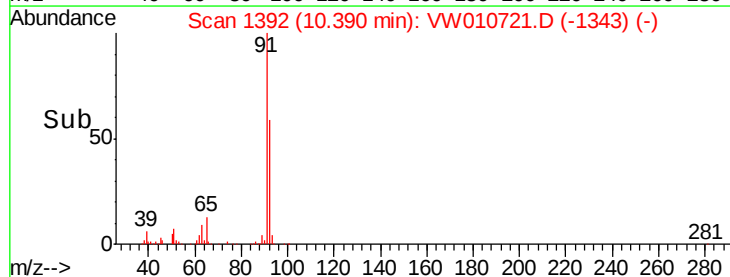
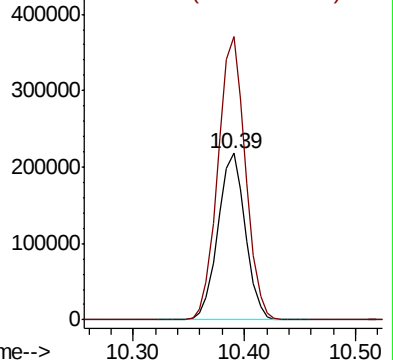
92 100

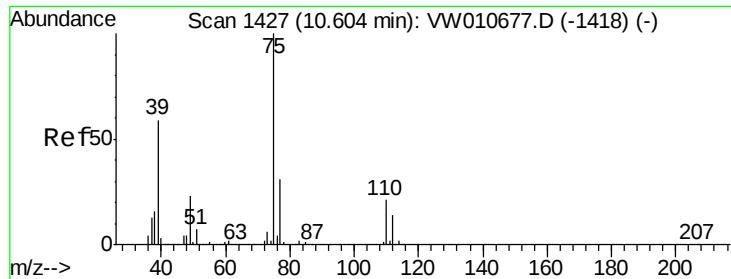
91 171.0 134.9 202.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

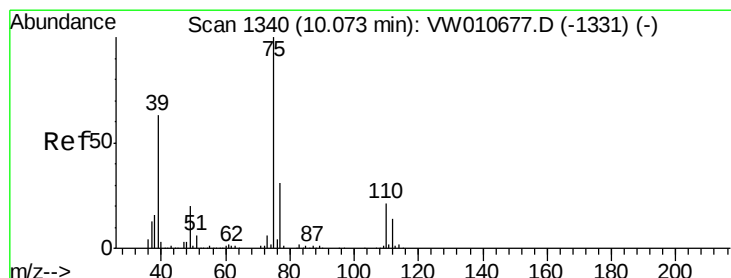
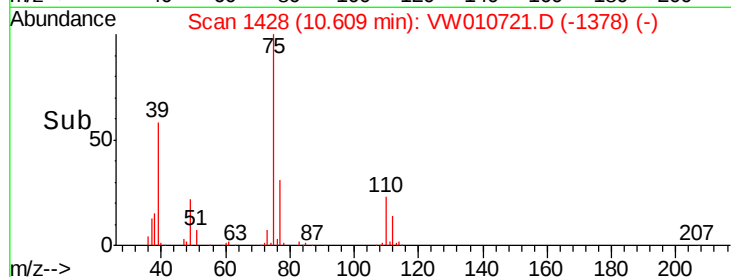
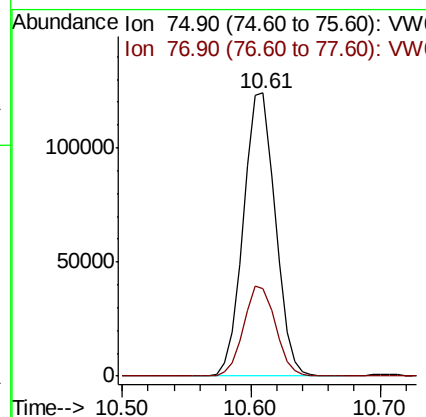
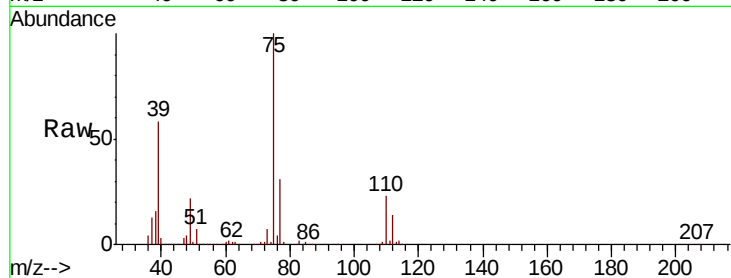




#53
 t-1,3-Dichloropropene
 Concen: 56.754 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

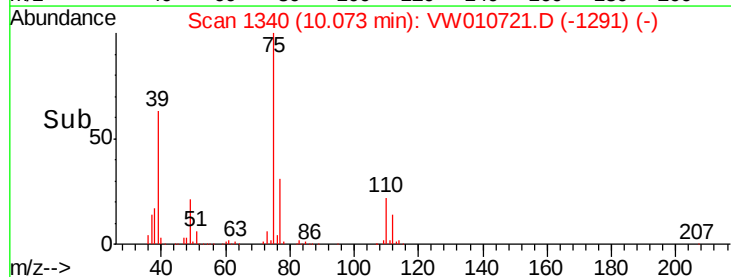
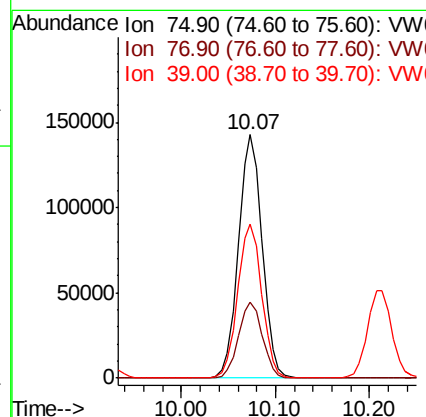
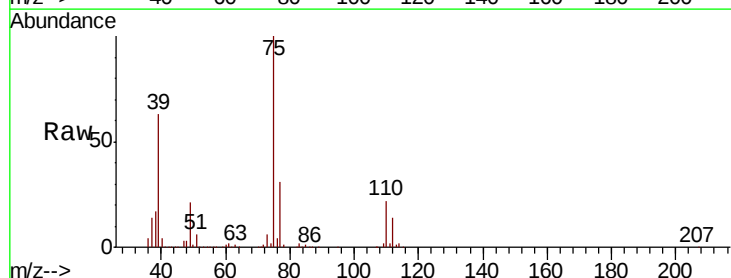
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

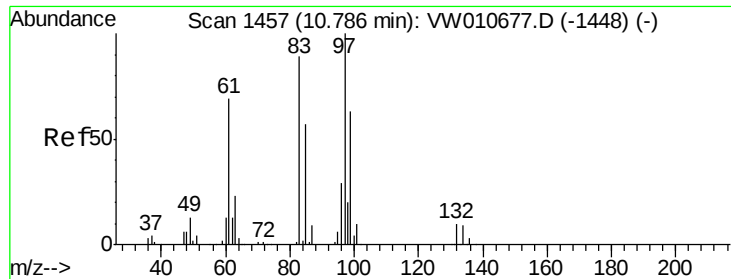
Tot Ion: 75 Resp: 212469
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 56.417 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion: 75 Resp: 248533
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 62.9 50.1 75.1

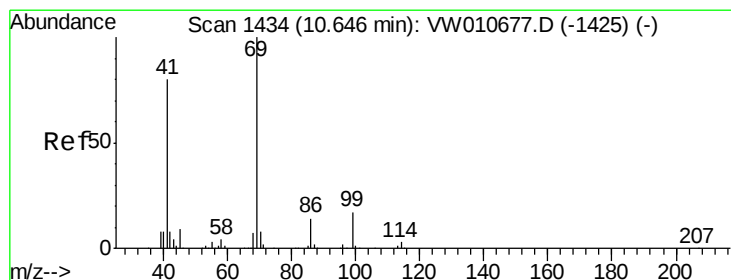
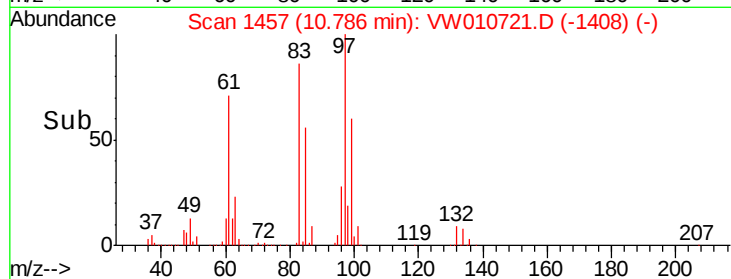
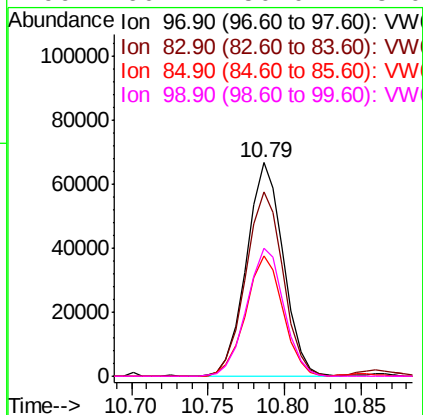
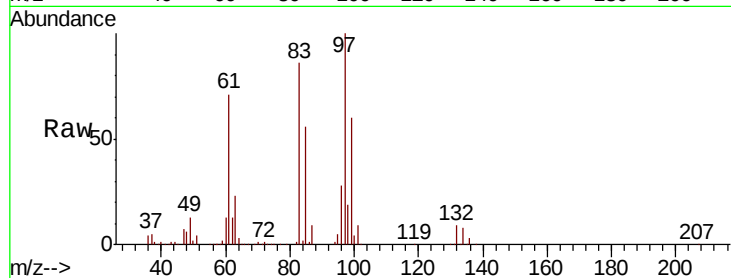




#55
 1,1,2-Trichloroethane
 Concen: 56.996 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

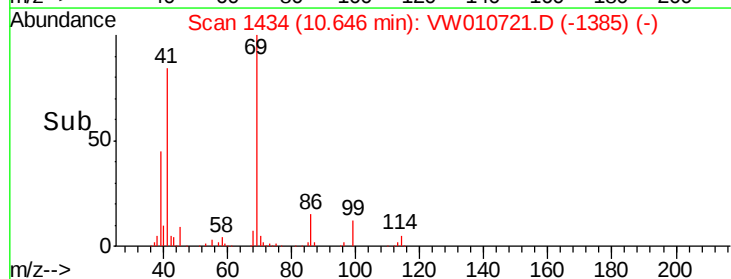
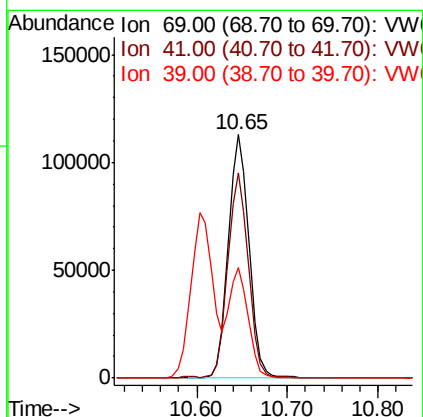
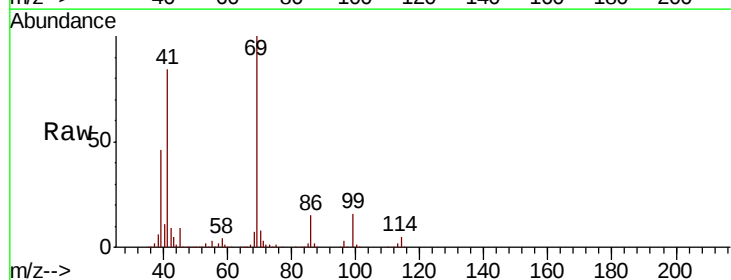
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

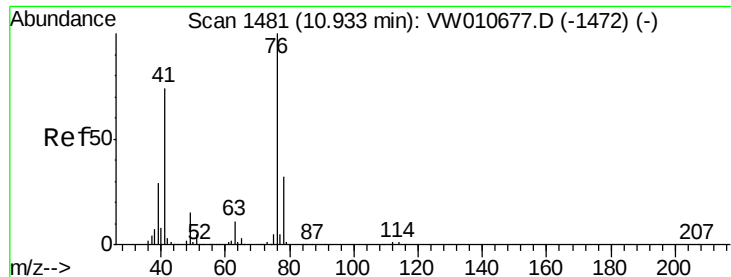
Tot Ion	97	Resp	111957
Ion	Ratio	Lower	Upper
97	100		
83	86.2	71.1	106.7
85	56.1	45.2	67.8
99	60.1	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 59.155 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion	69	Resp	178798
Ion	Ratio	Lower	Upper
69	100		
41	82.7	64.8	97.2
39	42.1	32.2	48.2





#57

1,3-Dichloropropane

Concen: 56.589 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

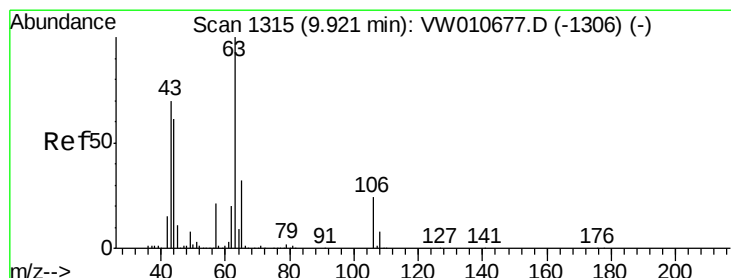
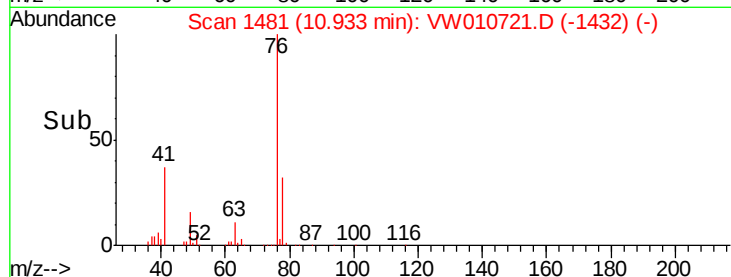
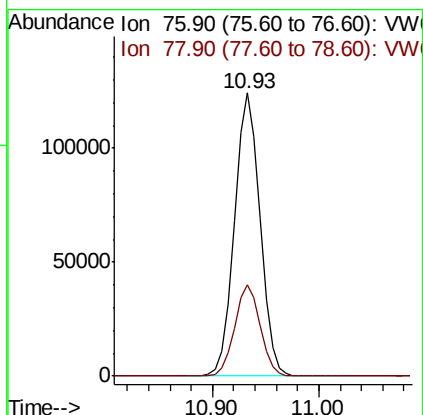
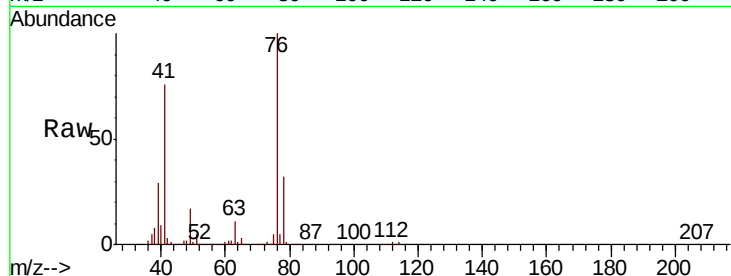
VSTDCCC050EC

Tot Ion: 76 Resp: 209480

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 261.361 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW010721.D

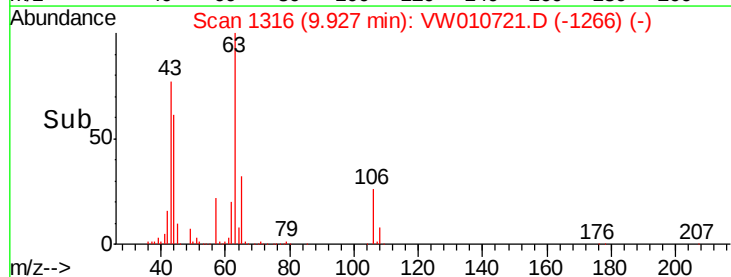
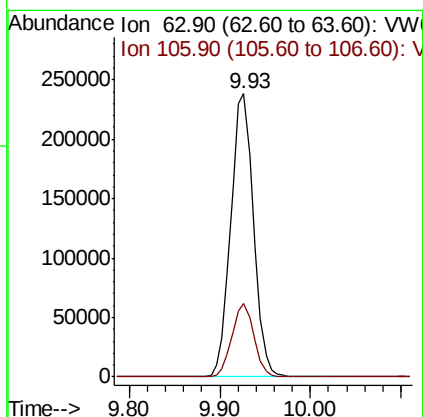
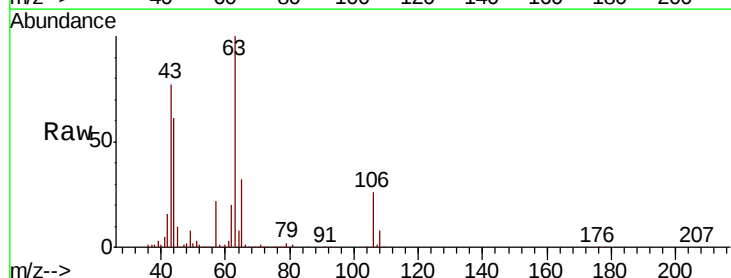
Acq: 06 Jun 2019 20:51

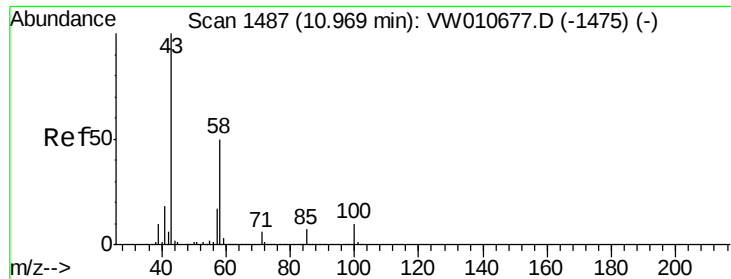
Tgt Ion: 63 Resp: 413768

Ion Ratio Lower Upper

63 100

106 25.2 20.1 30.1

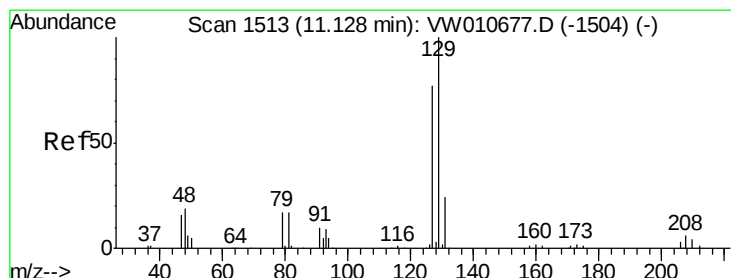
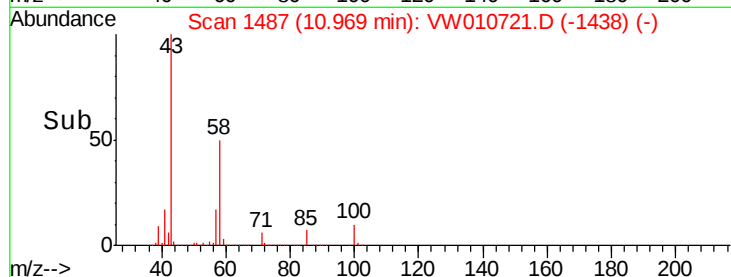
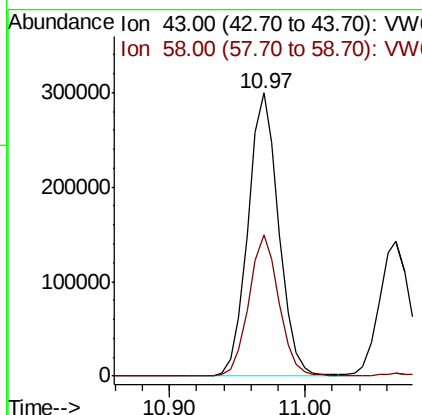
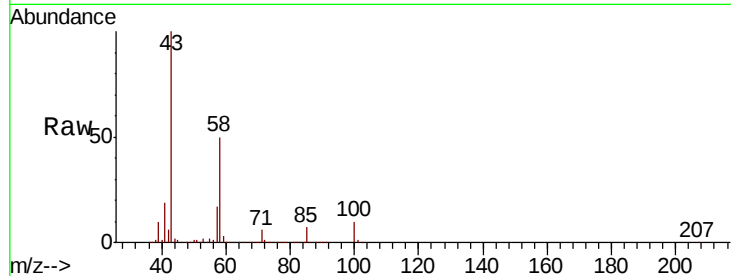




#59
2-Hexanone
Concen: 294.653 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

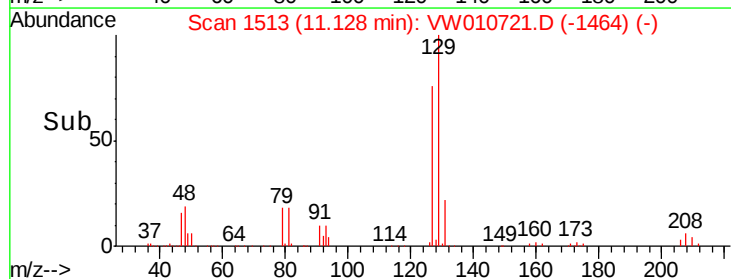
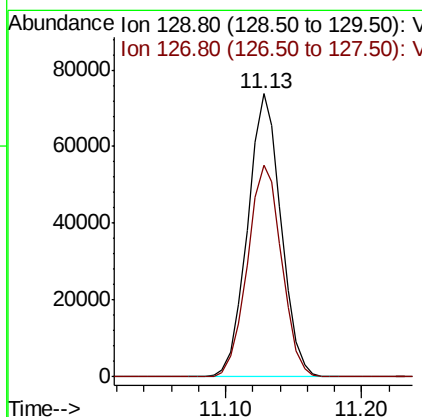
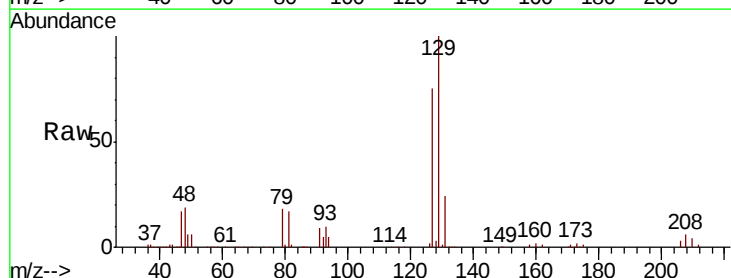
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

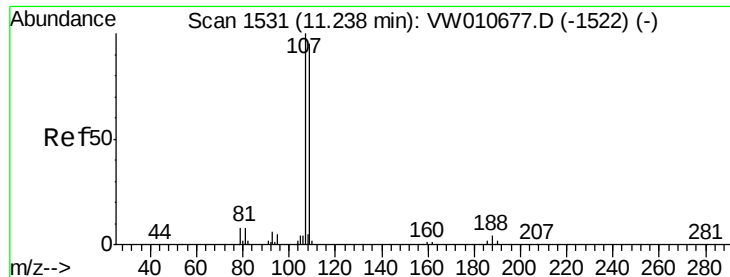
Tot Ion: 43 Resp: 473454
Ion Ratio Lower Upper
43 100
58 49.2 24.9 74.6



#60
Dibromochloromethane
Concen: 58.093 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 129 Resp: 126495
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0

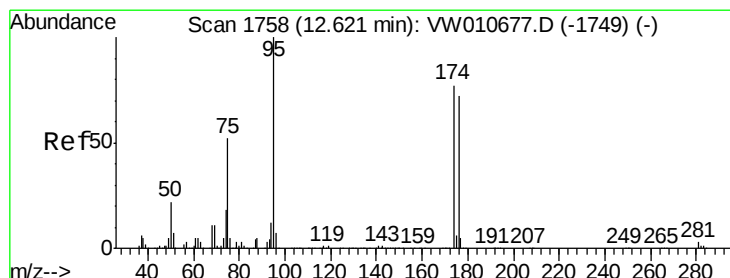
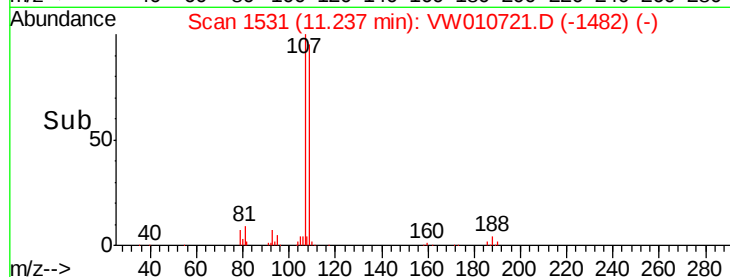
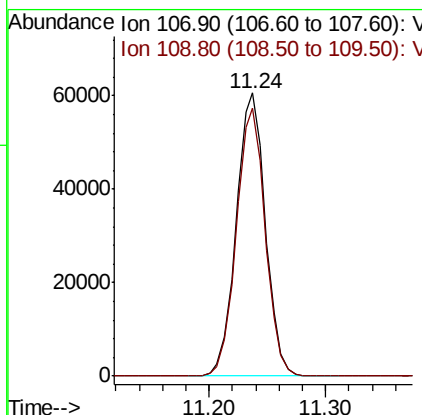
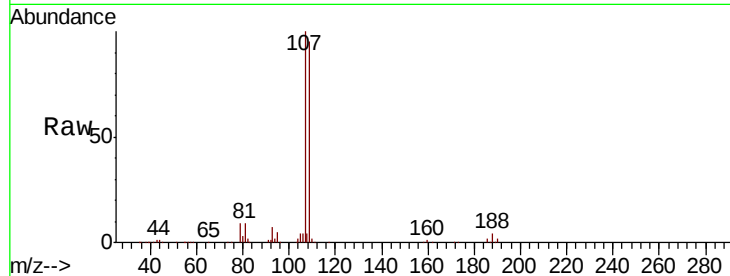




#61
 1,2-Dibromoethane
 Concen: 56.498 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

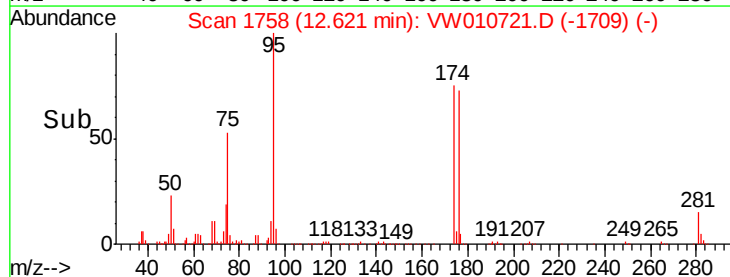
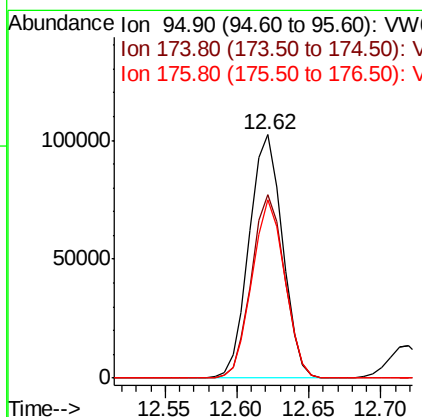
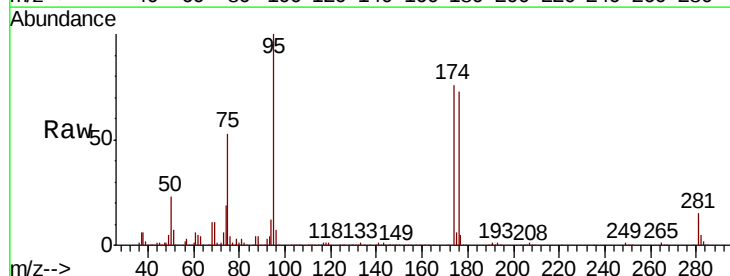
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 105148
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 47.787 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion: 95 Resp: 164367
 Ion Ratio Lower Upper
 95 100
 174 75.1 0.0 150.4
 176 72.1 0.0 144.8

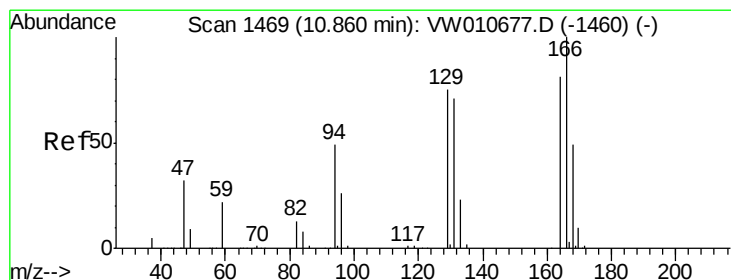
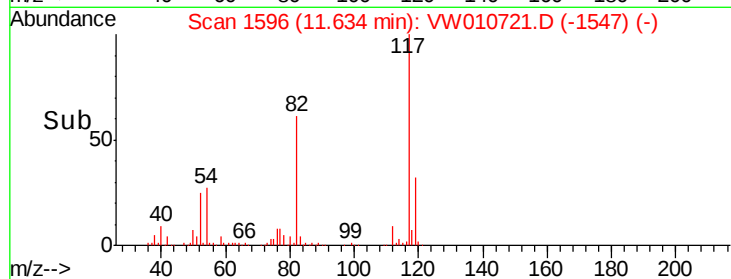
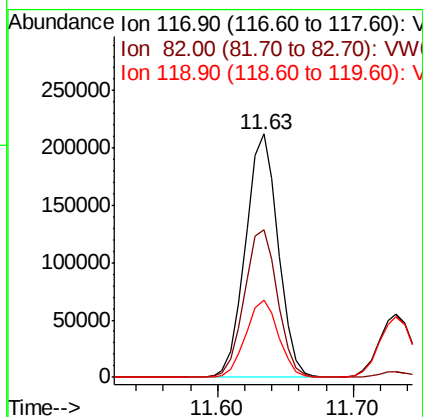
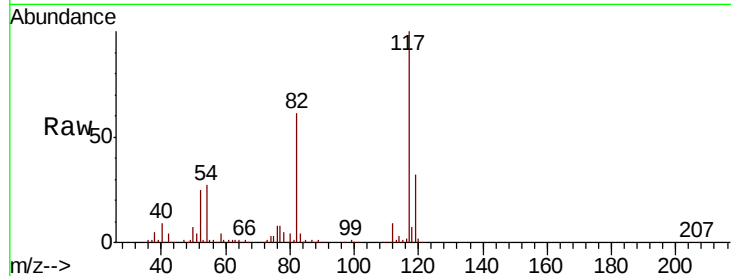




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

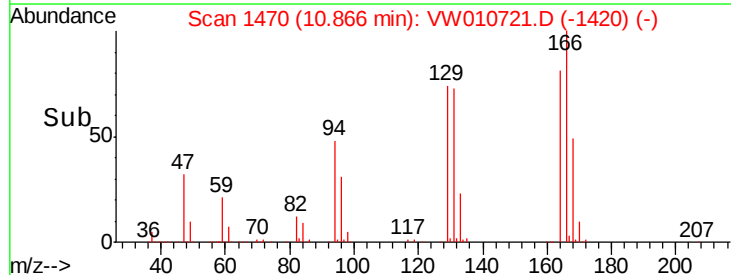
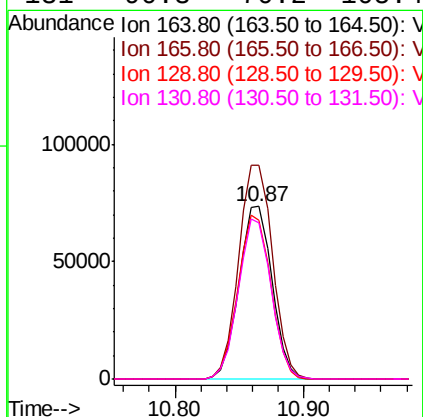
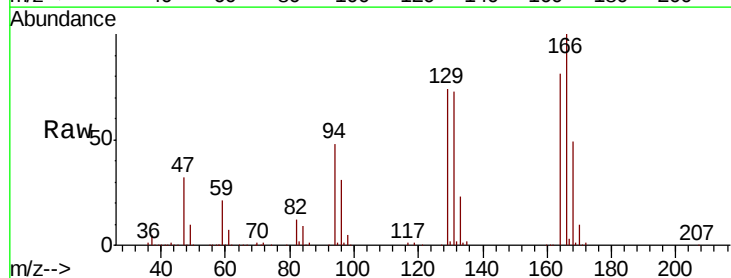
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

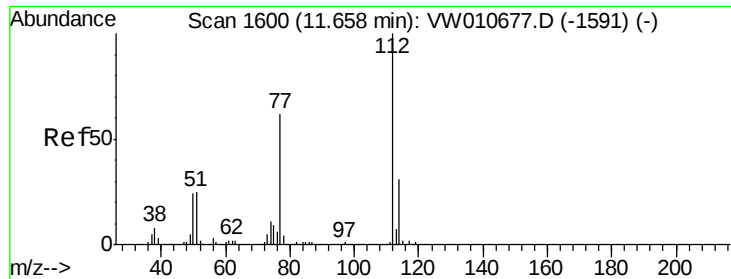
Tot Ion:117 Resp: 356379
Ion Ratio Lower Upper
117 100
82 60.8 47.0 70.4
119 31.6 25.1 37.7



#64
Tetrachloroethene
Concen: 55.023 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion:164 Resp: 130195
Ion Ratio Lower Upper
164 100
166 123.7 99.2 148.8
129 92.1 74.6 112.0
131 90.3 70.2 105.4

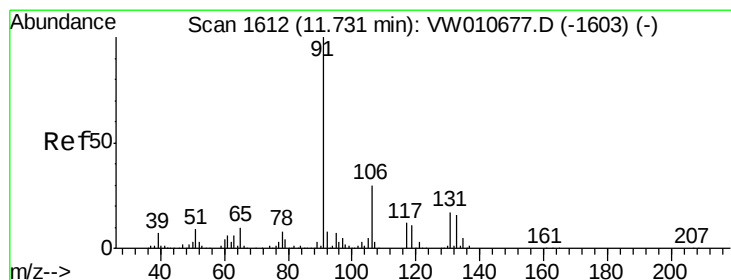
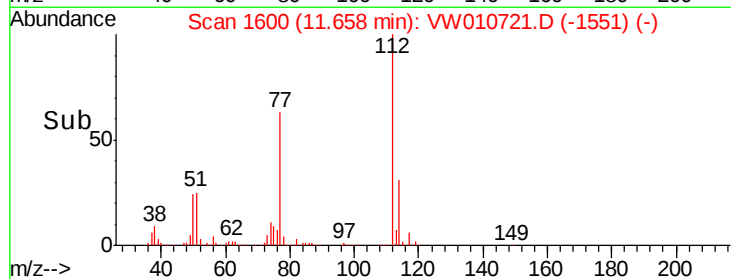
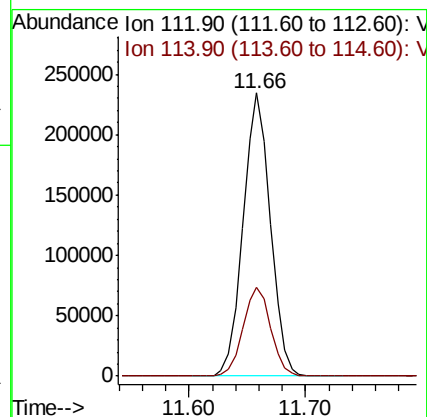
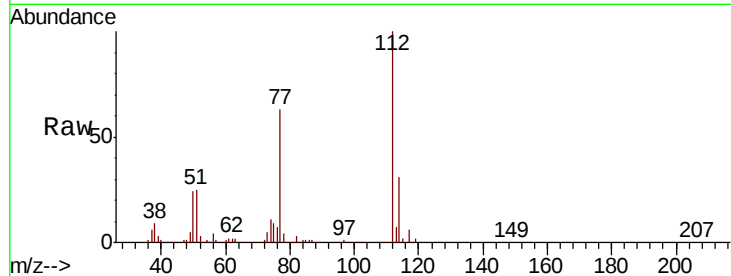




#65
Chlorobenzene
Concen: 54.424 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

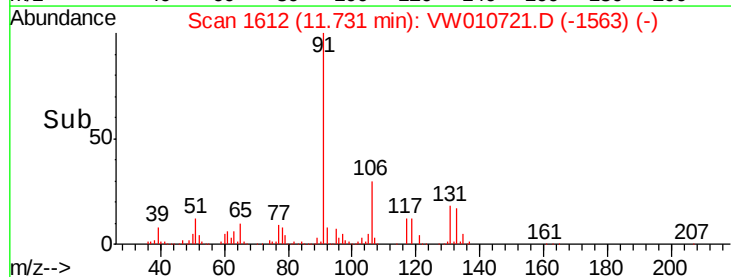
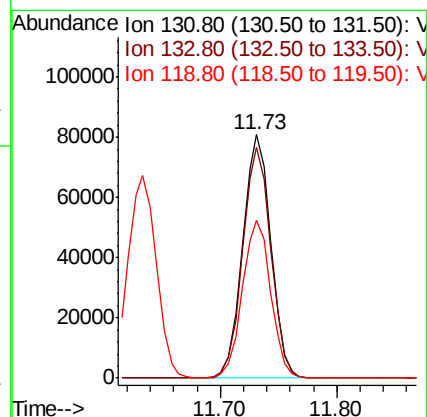
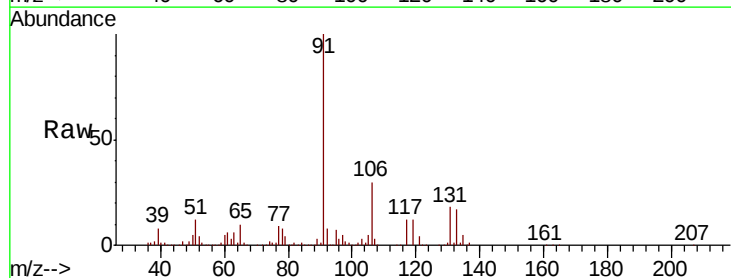
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

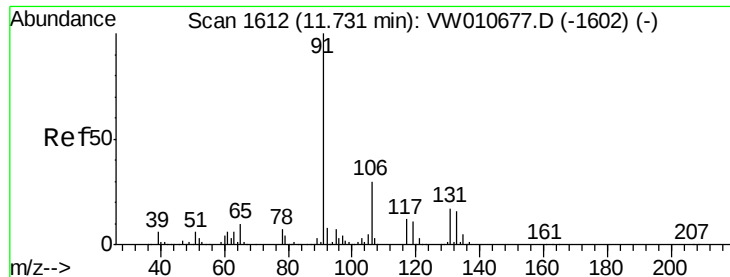
Tot Ion:112 Resp: 381414
Ion Ratio Lower Upper
112 100
114 31.5 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 56.249 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion:131 Resp: 136460
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 65.2 32.4 97.0

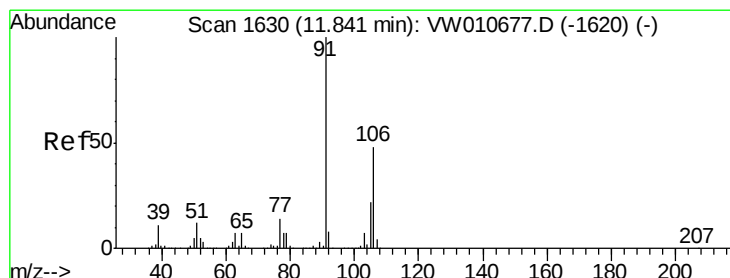
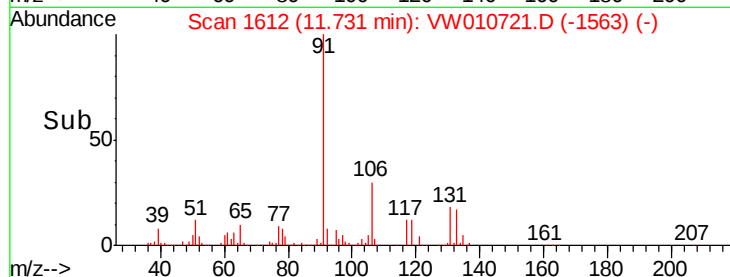
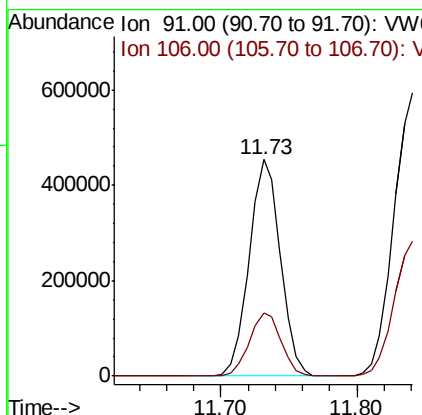
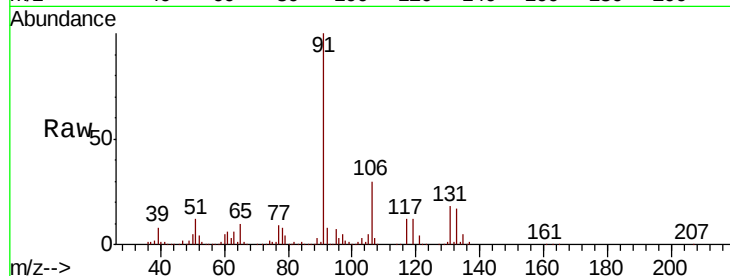




#67
Ethyl Benzene
Concen: 54.376 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

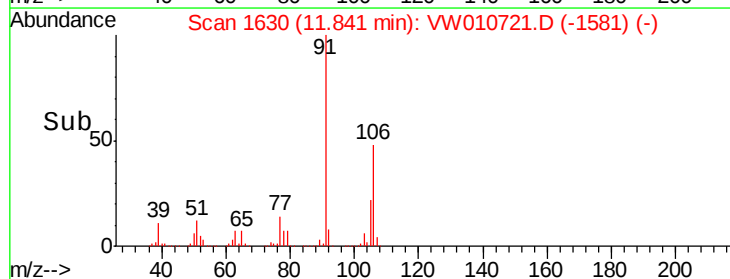
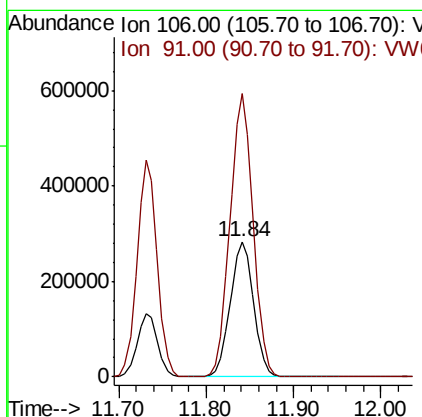
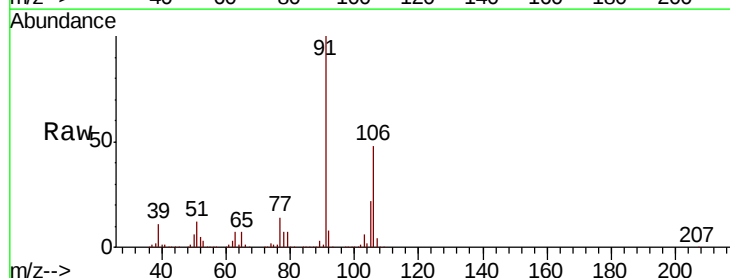
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

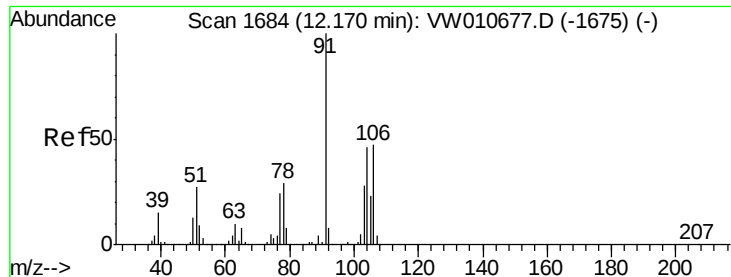
Tot Ion: 91 Resp: 732367
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4



#68
m/p-Xylenes
Concen: 108.804 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 106 Resp: 524589
Ion Ratio Lower Upper
106 100
91 207.3 166.5 249.7

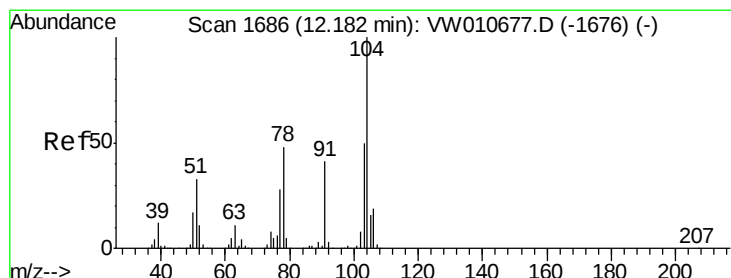
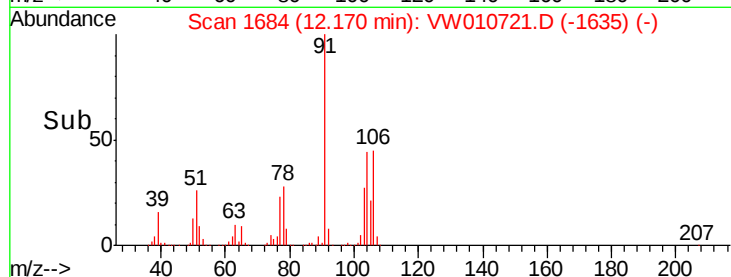
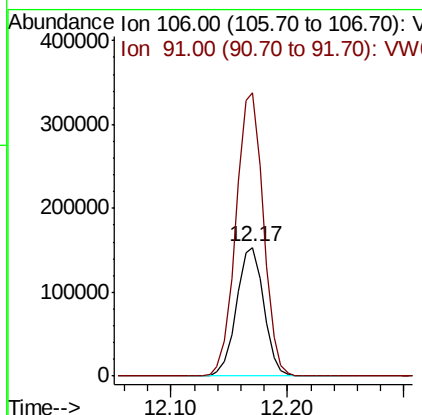
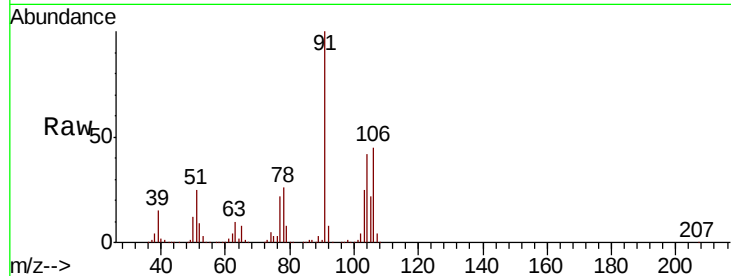




#69
o-Xylene
Concen: 54.933 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

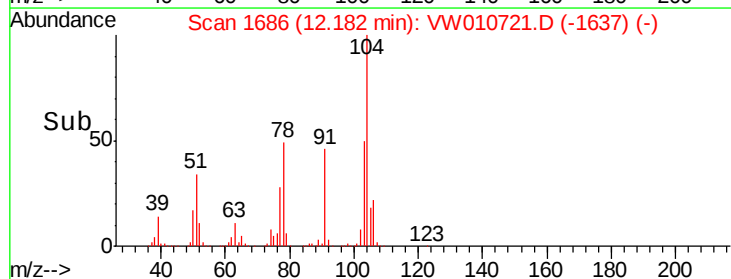
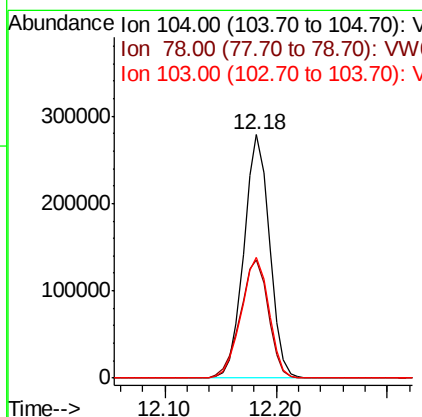
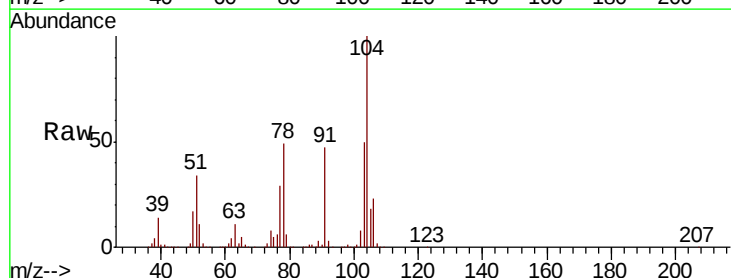
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

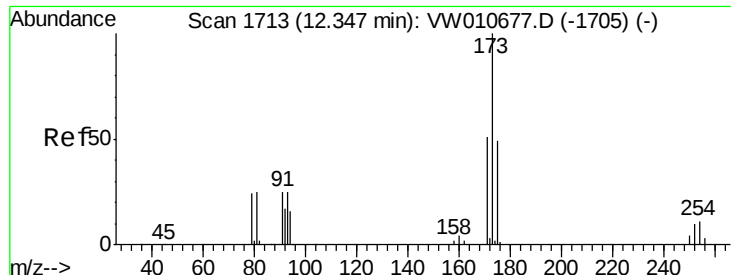
Tot Ion:106 Resp: 251192
Ion Ratio Lower Upper
106 100
91 220.9 108.9 326.6



#70
Styrene
Concen: 56.014 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion:104 Resp: 444948
Ion Ratio Lower Upper
104 100
78 53.6 42.7 64.1
103 54.0 43.6 65.4





#71

Bromoform

Concen: 58.532 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

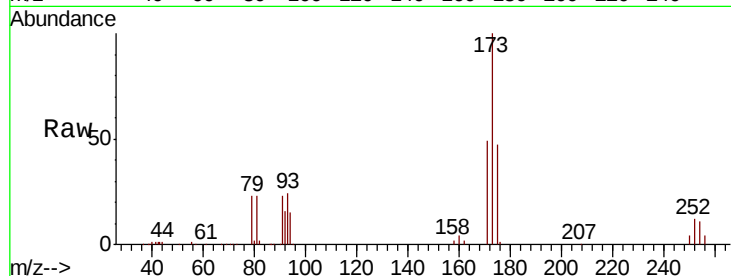
Tot Ion:173 Resp: 73438

Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

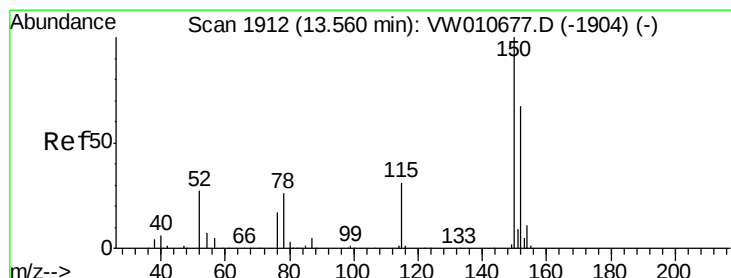
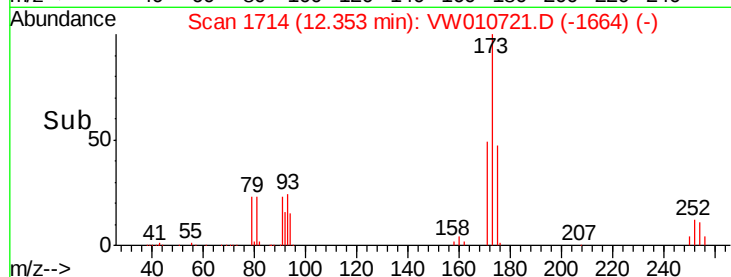
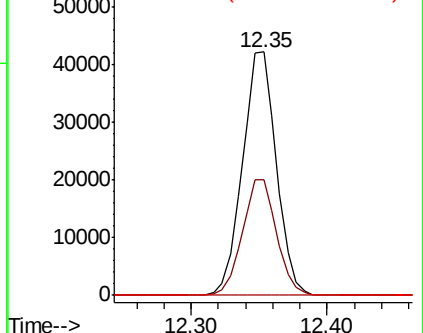
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

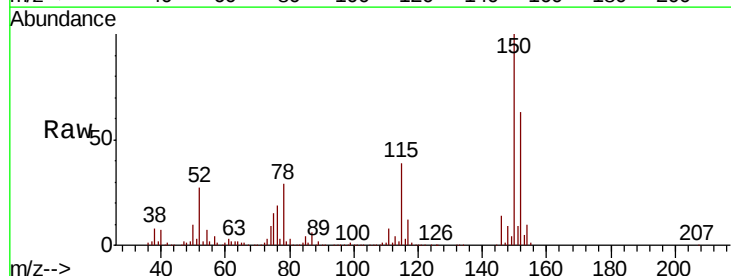
Tgt Ion:152 Resp: 175217

Ion Ratio Lower Upper

152 100

115 59.9 29.8 89.3

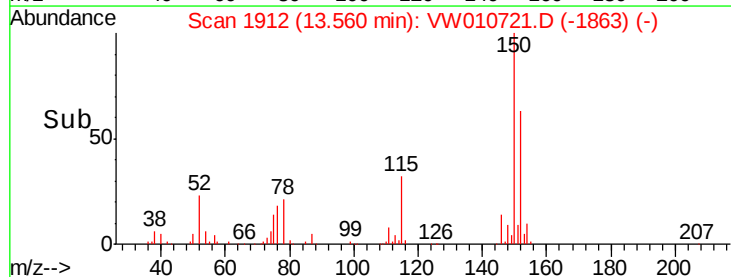
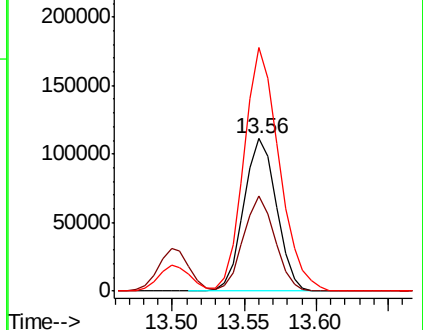
150 172.2 0.0 345.0

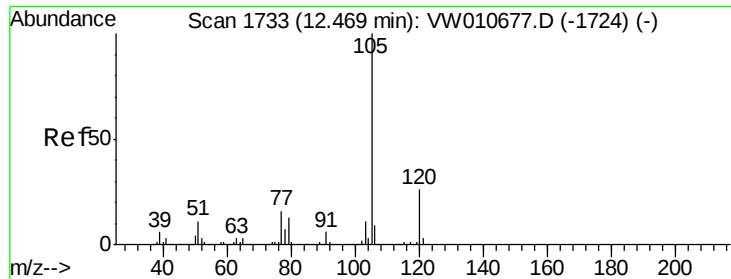


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.785 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

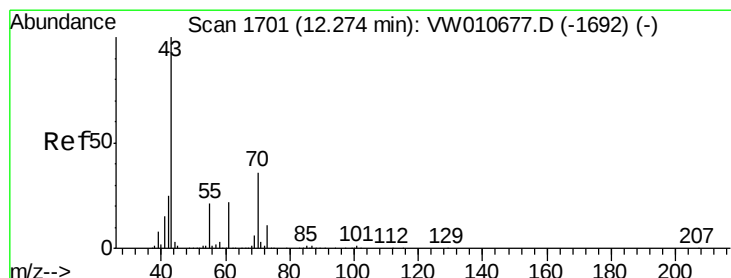
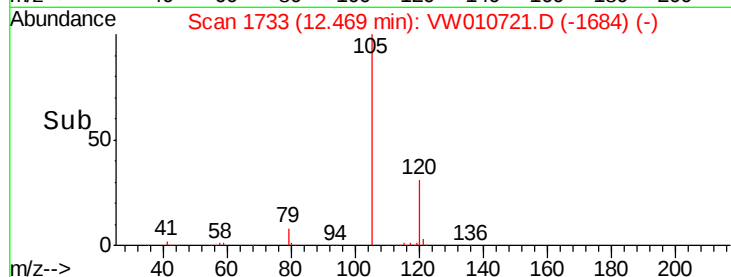
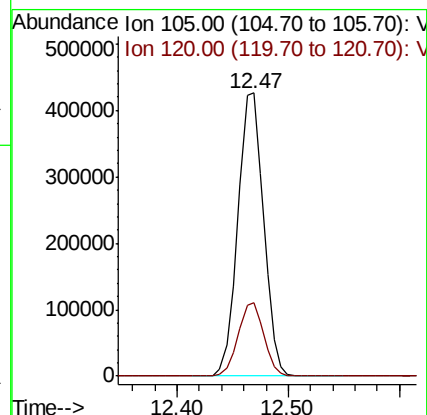
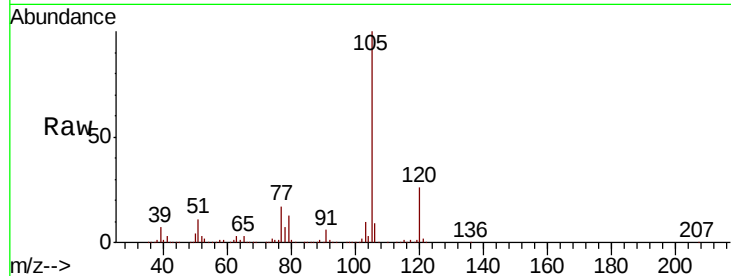
VSTDCCC050EC

Tot Ion:105 Resp: 681853

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



#74

N-ethyl acetate

Concen: 57.929 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Tgt Ion: 43 Resp: 246509

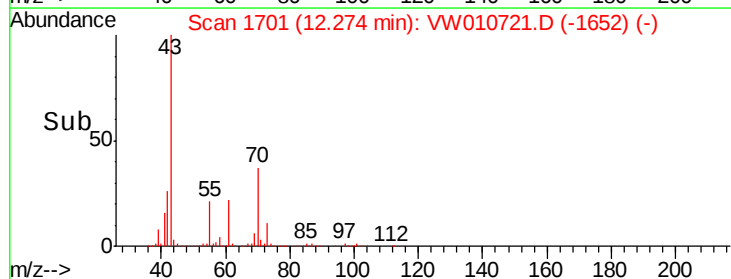
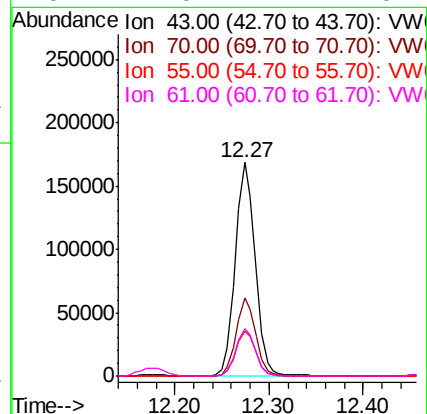
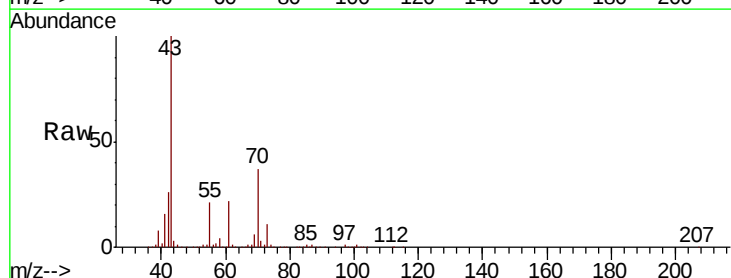
Ion Ratio Lower Upper

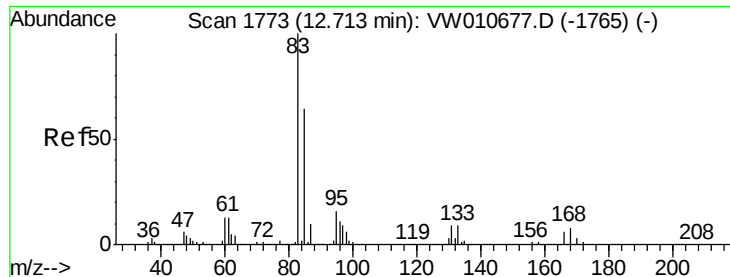
43 100

70 36.4 29.2 43.8

55 21.7 17.5 26.3

61 22.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.907 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

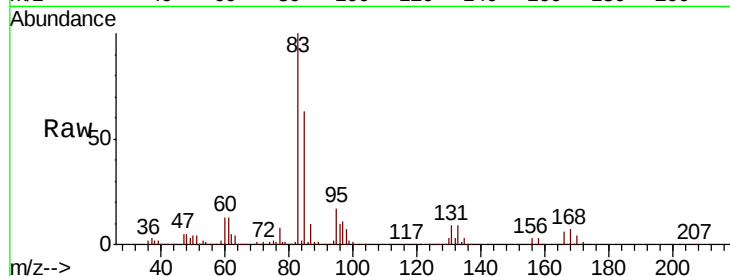
Tot Ion: 83 Resp: 137632

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

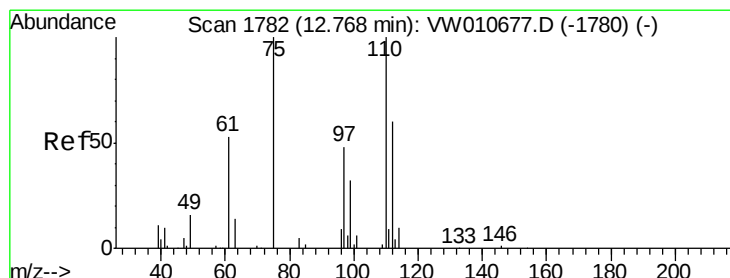
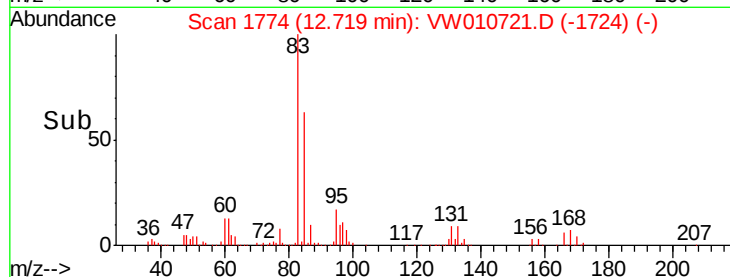
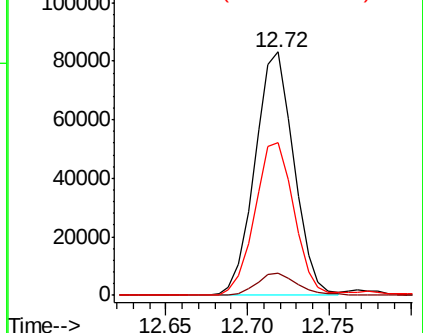
85 63.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 100.232 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010721.D

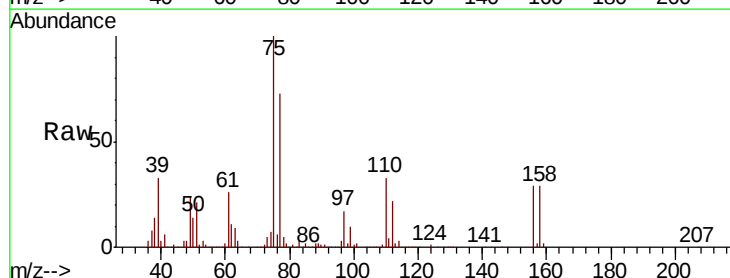
Acq: 06 Jun 2019 20:51

Tgt Ion: 75 Resp: 184428

Ion Ratio Lower Upper

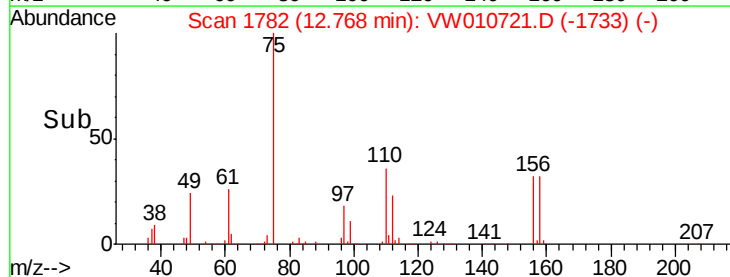
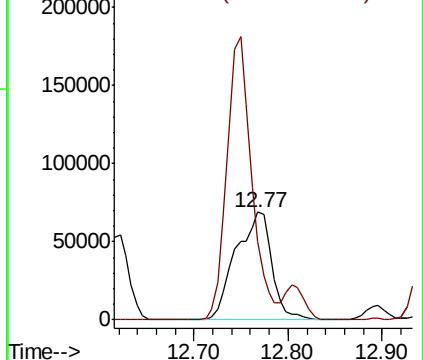
75 100

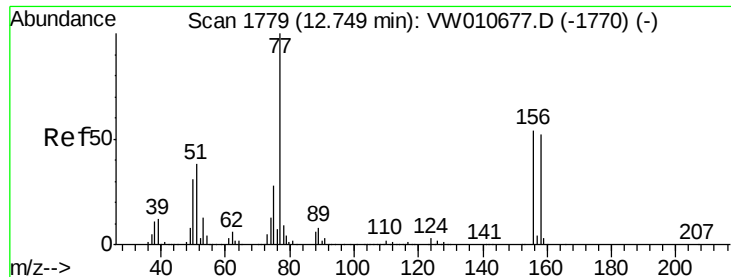
77 180.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.646 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

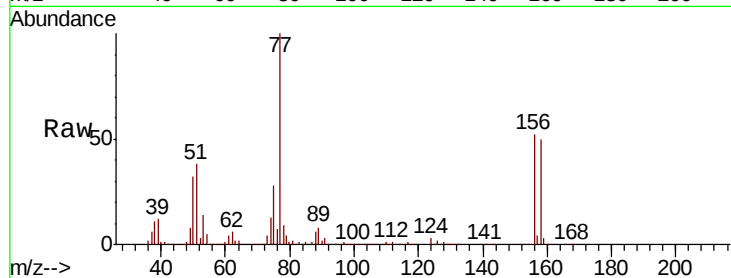
Tot Ion:156 Resp: 154185

Ion Ratio Lower Upper

156 100

77 215.5 106.5 319.4

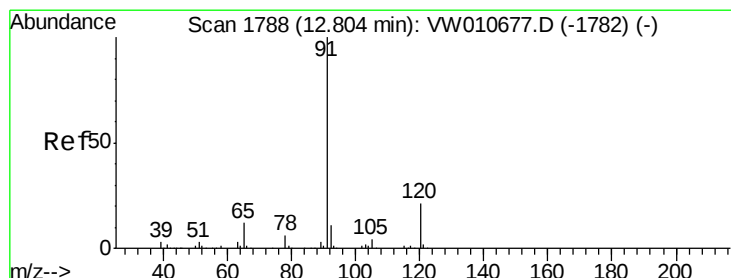
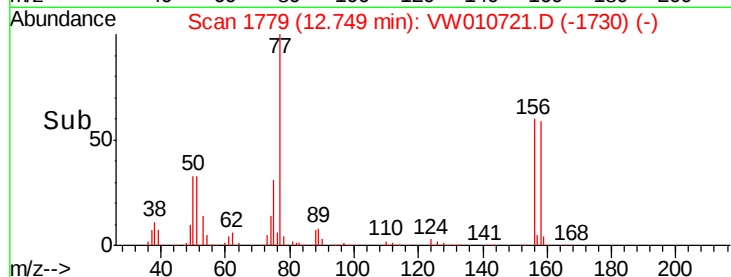
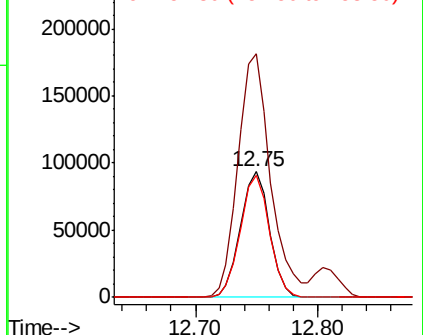
158 97.4 48.3 144.9



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: 52.243 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010721.D

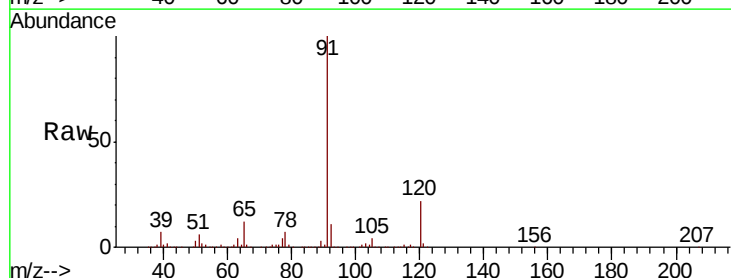
Acq: 06 Jun 2019 20:51

Tgt Ion: 91 Resp: 829453

Ion Ratio Lower Upper

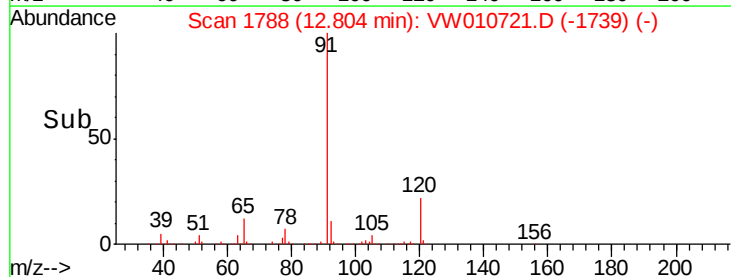
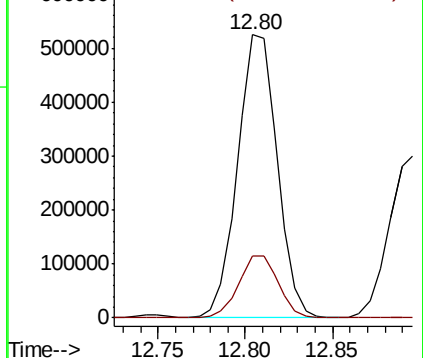
91 100

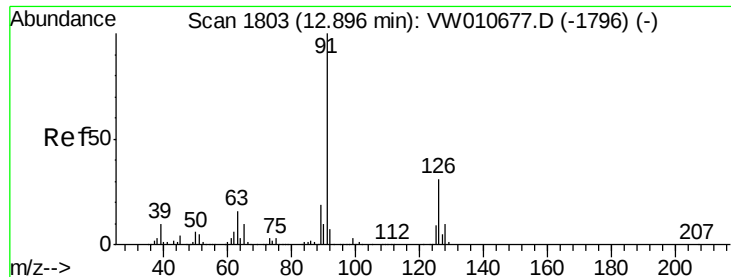
120 21.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.322 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

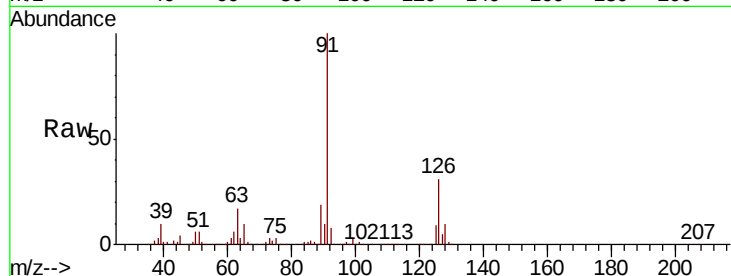
VSTDCCC050EC

Tot Ion: 91 Resp: 483665

Ion Ratio Lower Upper

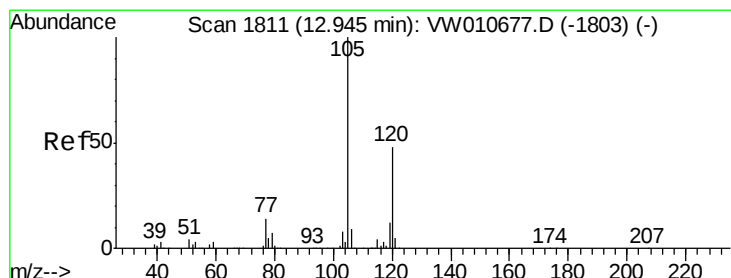
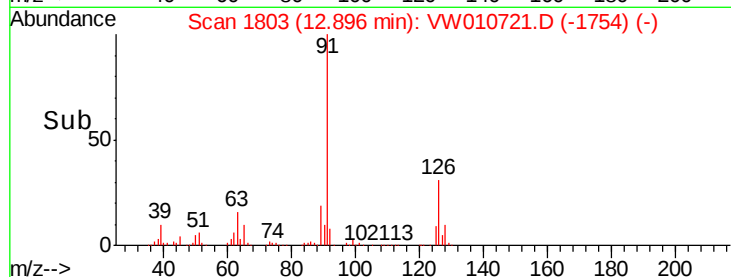
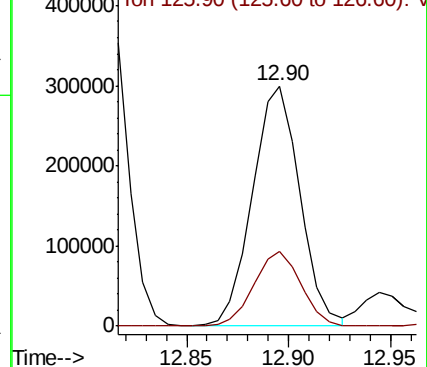
91 100

126 30.9 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 53.280 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010721.D

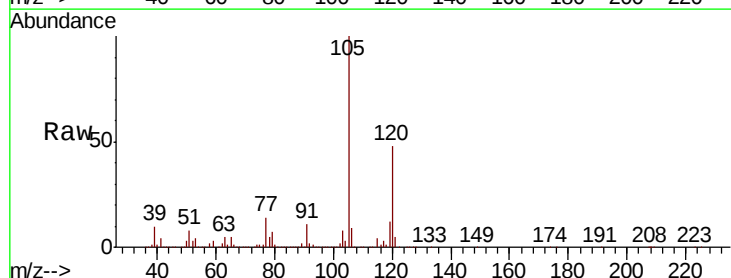
Acq: 06 Jun 2019 20:51

Tgt Ion:105 Resp: 574213

Ion Ratio Lower Upper

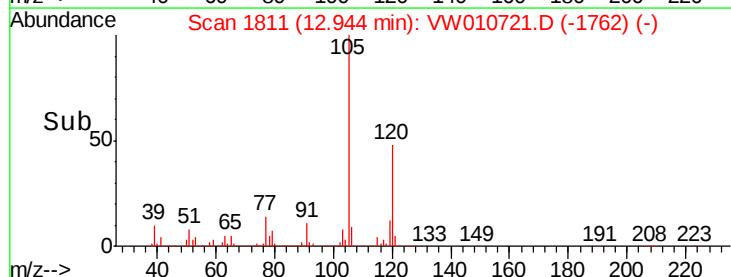
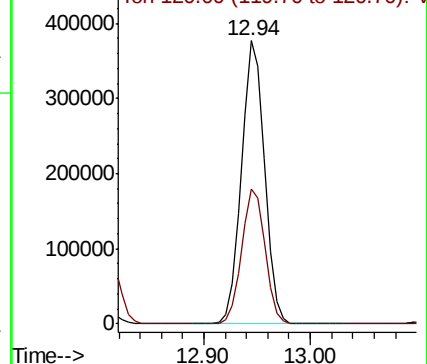
105 100

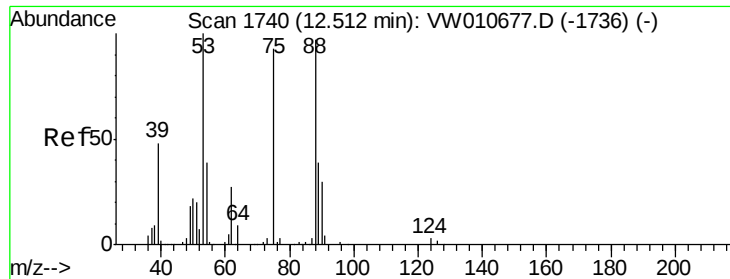
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

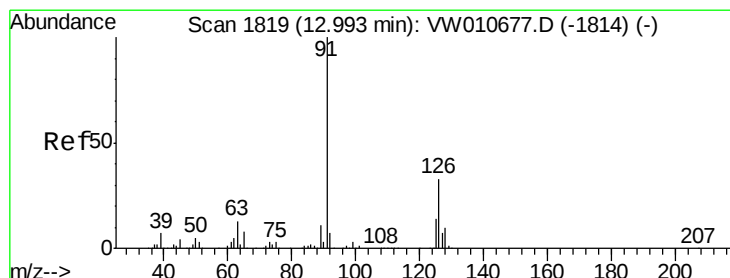
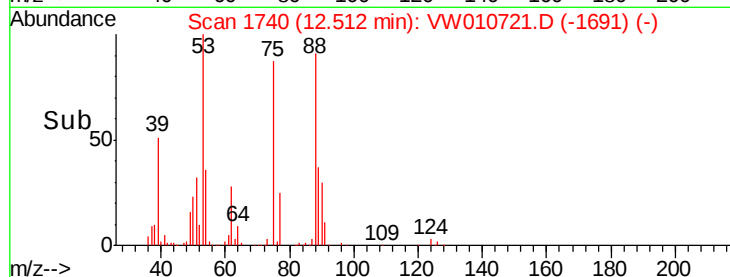
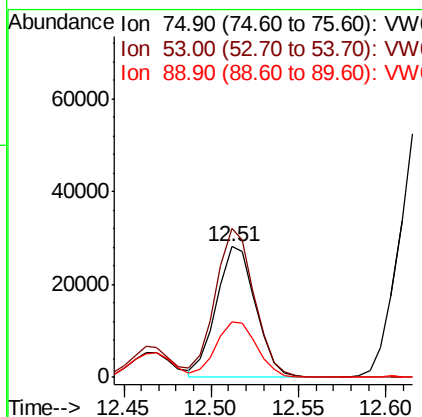
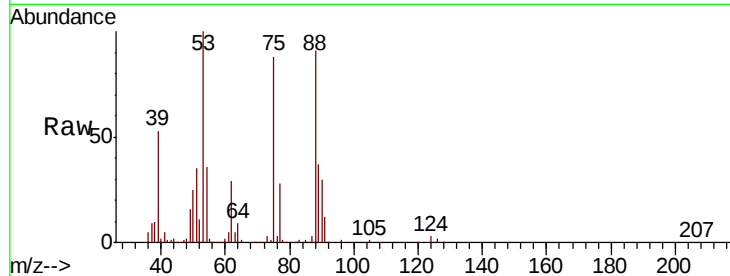




#81
trans-1,4-Dichloro-2-butene
Concen: 54.703 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

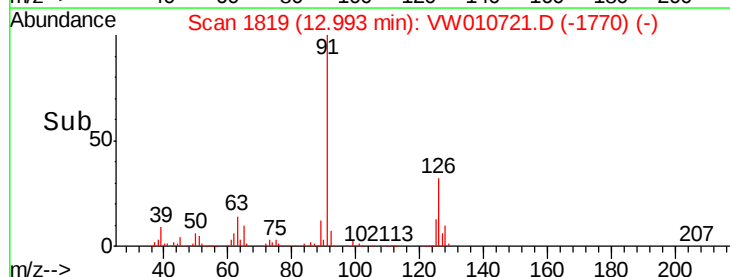
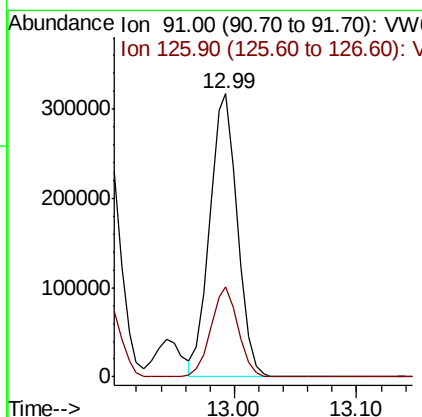
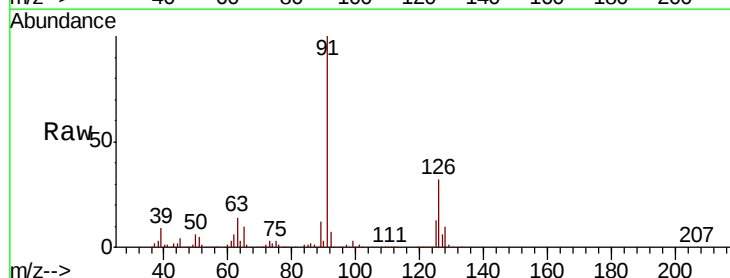
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

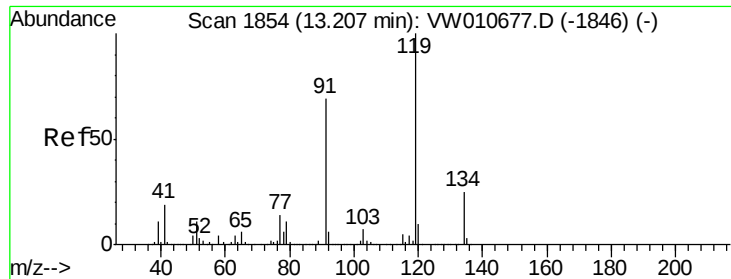
Tot Ion: 75 Resp: 43795
Ion Ratio Lower Upper
75 100
53 112.2 90.1 135.1
89 44.0 34.6 52.0



#82
4-Chlorotoluene
Concen: 53.288 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion: 91 Resp: 498801
Ion Ratio Lower Upper
91 100
126 31.4 15.9 47.7

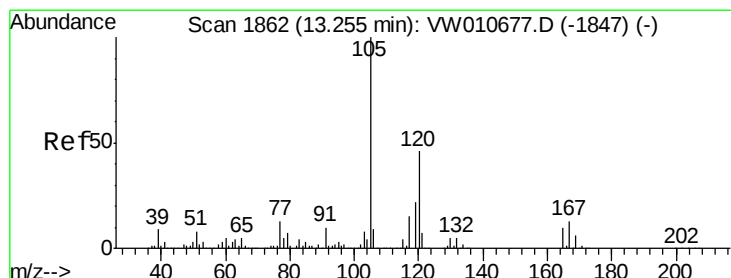
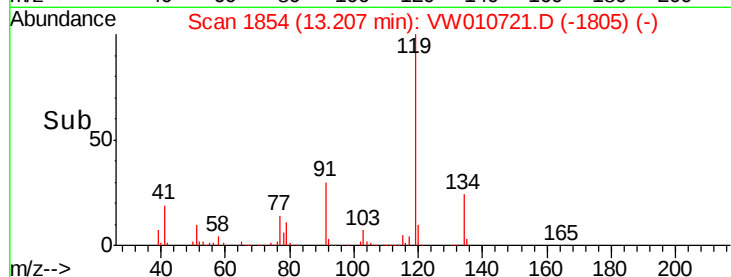
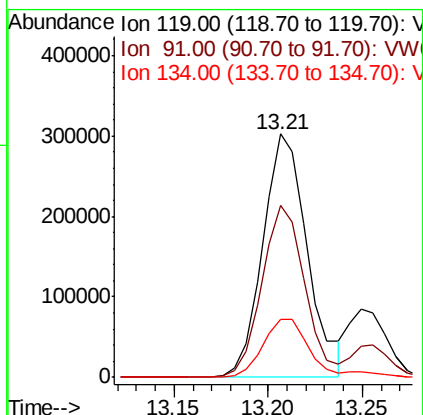
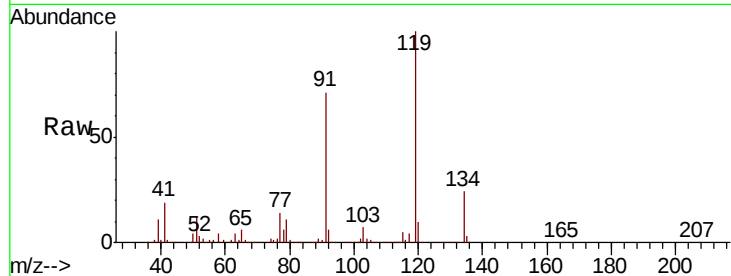




#83
tert-Butylbenzene
Concen: 54.203 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

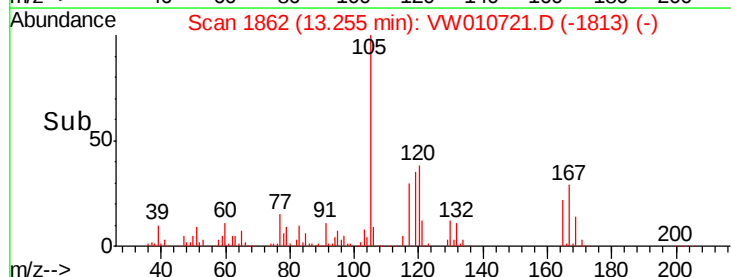
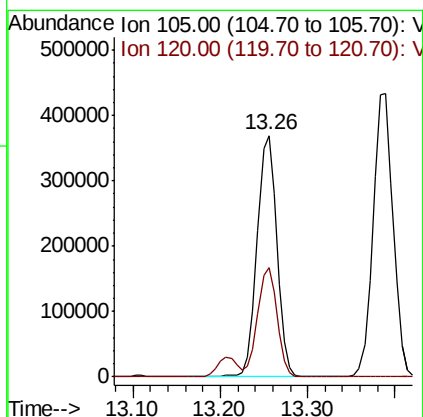
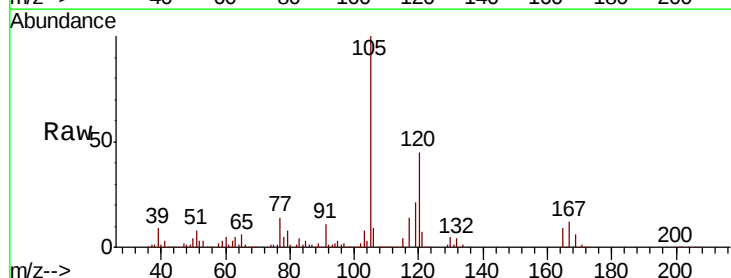
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

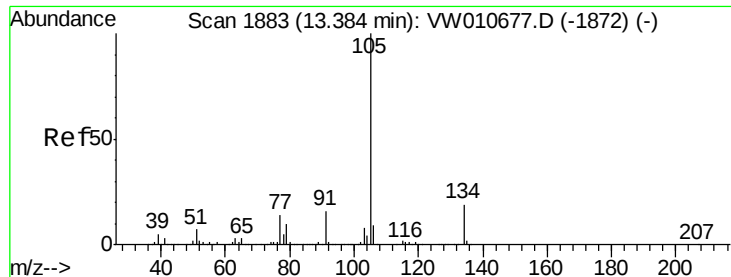
Tot Ion:119 Resp: 495770
Ion Ratio Lower Upper
119 100
91 68.1 35.1 105.3
134 25.8 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 53.517 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion:105 Resp: 580403
Ion Ratio Lower Upper
105 100
120 44.6 22.5 67.5





#85

sec-Butylbenzene

Concen: 51.773 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

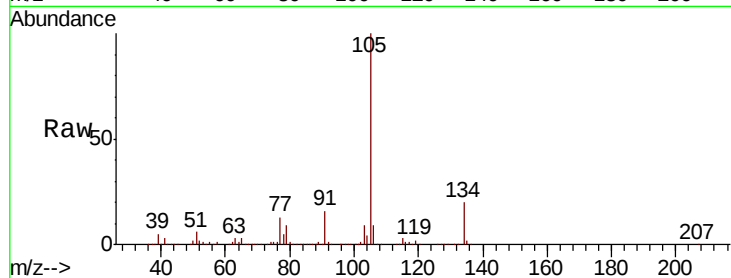
VSTDCCC050EC

Tot Ion:105 Resp: 689455

Ion Ratio Lower Upper

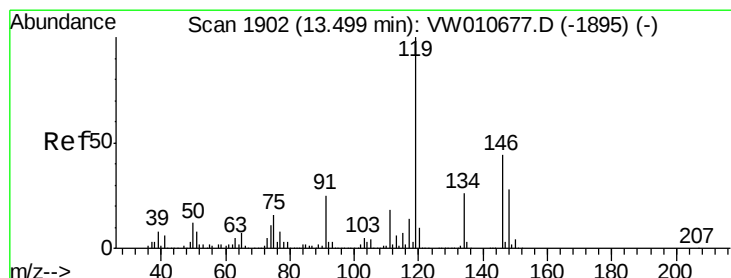
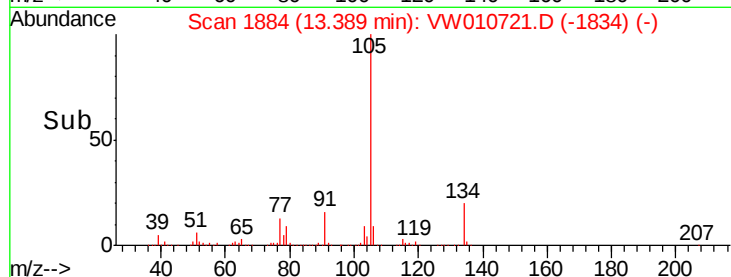
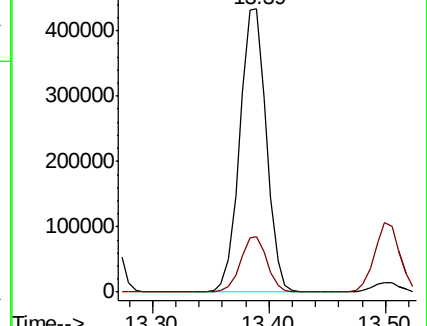
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.873 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

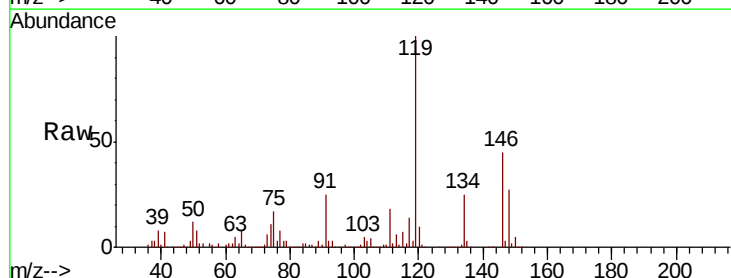
Tgt Ion:119 Resp: 629650

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

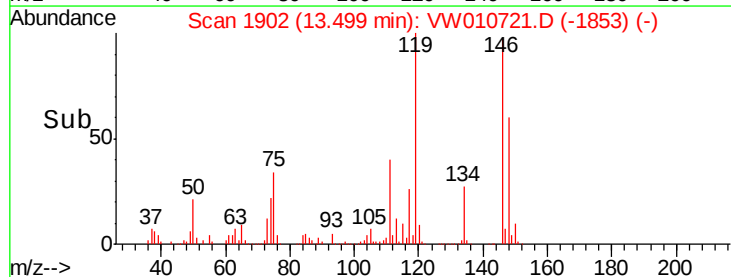
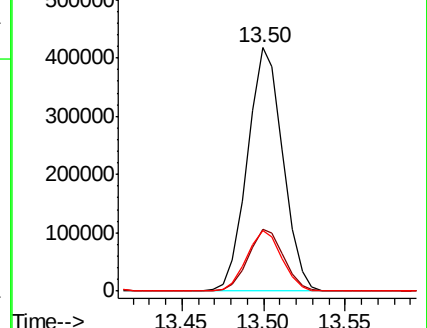
91 24.5 12.2 36.4

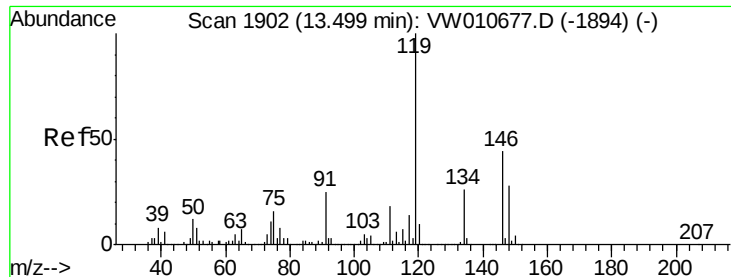


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

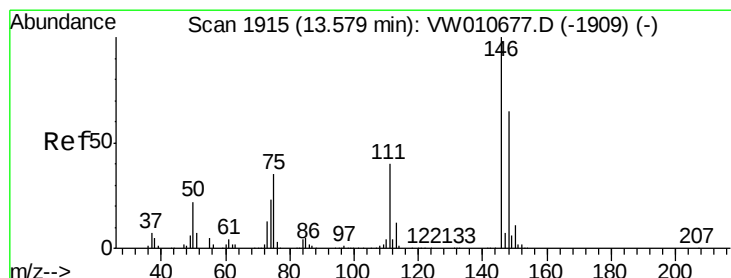
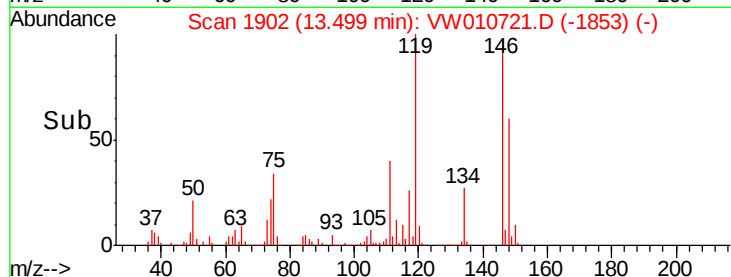
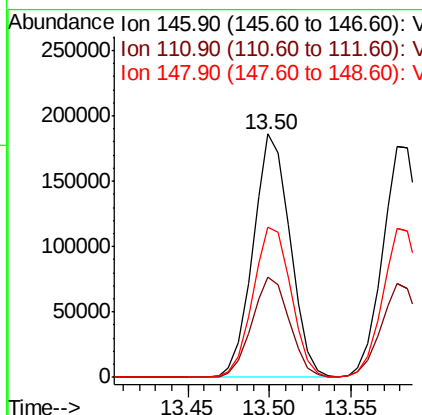
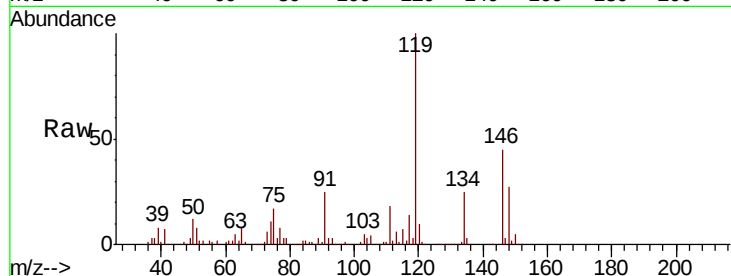




#87
 1,3-Dichlorobenzene
 Concen: 53.133 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

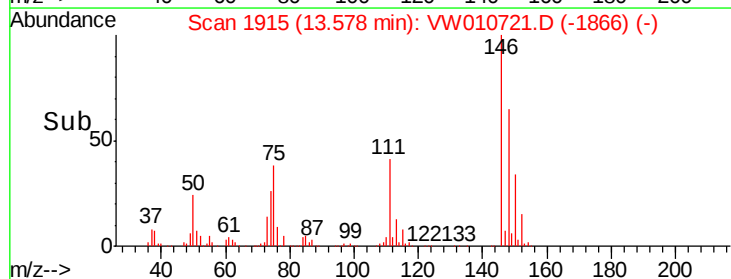
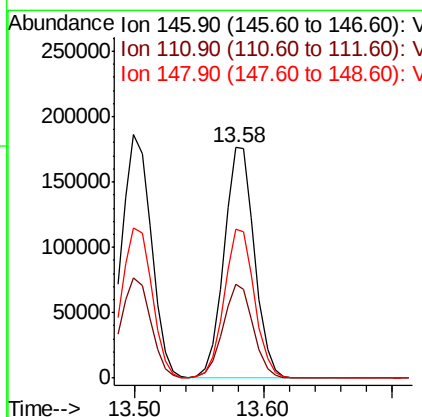
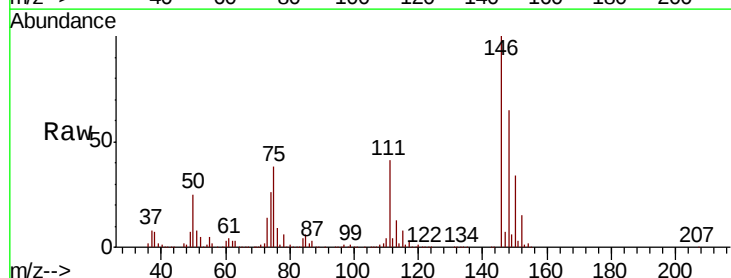
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

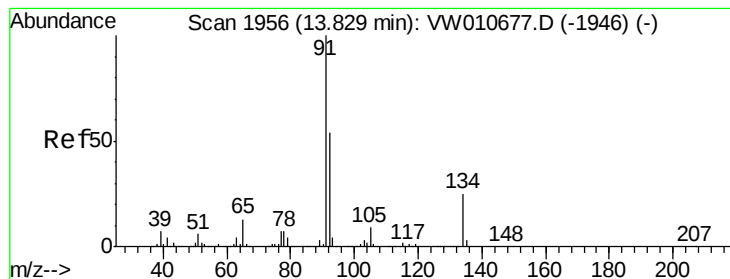
Tot Ion:146 Resp: 294496
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.4 61.3
 148 63.7 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 53.151 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010721.D
 Acq: 06 Jun 2019 20:51

Tgt Ion:146 Resp: 292059
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.9
 148 64.1 32.4 97.2





#89

n-Butylbenzene

Concen: 52.628 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

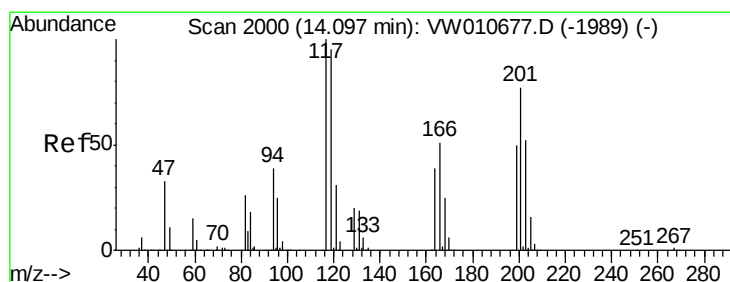
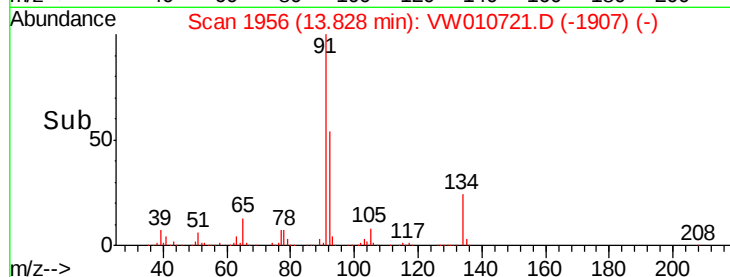
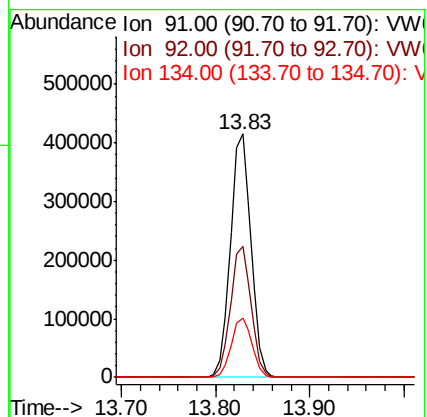
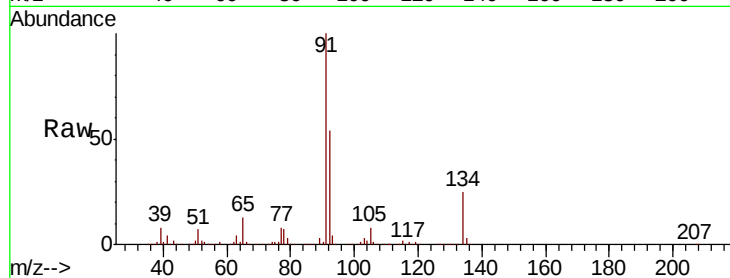
Tot Ion: 91 Resp: 625325

Ion Ratio Lower Upper

91 100

92 54.2 27.3 81.8

134 24.6 12.3 36.9



#90

Hexachloroethane

Concen: 53.736 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010721.D

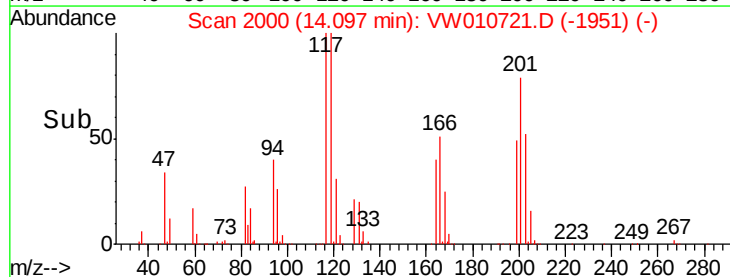
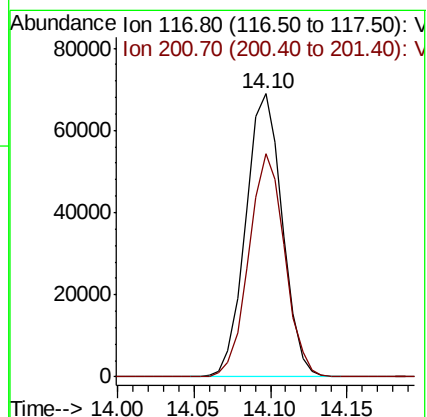
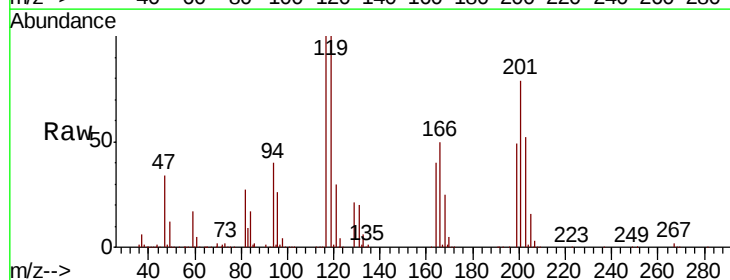
Acq: 06 Jun 2019 20:51

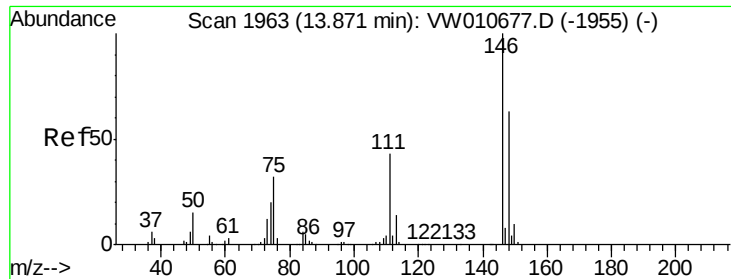
Tgt Ion: 117 Resp: 114601

Ion Ratio Lower Upper

117 100

201 77.3 38.8 116.4





#91

1,2-Dichlorobenzene

Concen: 53.453 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

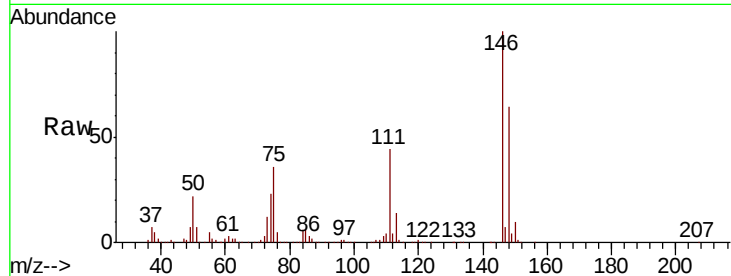
Tot Ion:146 Resp: 266436

Ion Ratio Lower Upper

146 100

111 43.3 21.5 64.5

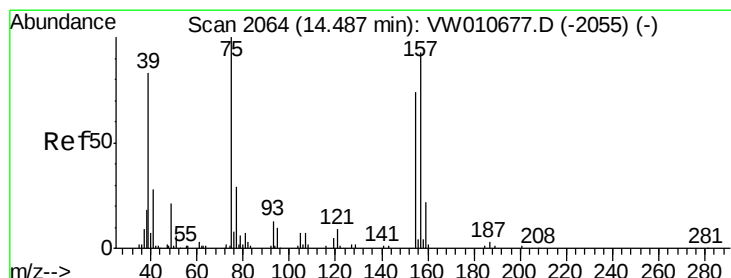
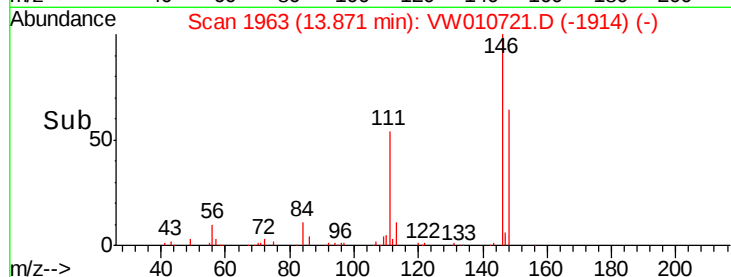
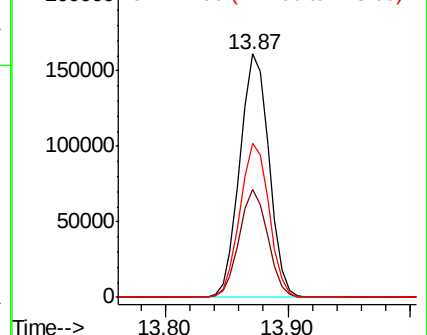
148 63.3 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.901 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

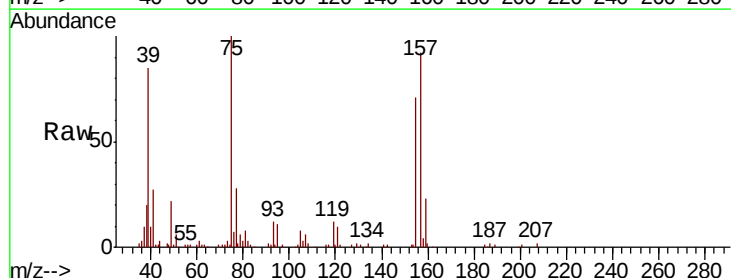
Tgt Ion: 75 Resp: 25784

Ion Ratio Lower Upper

75 100

155 73.3 38.8 116.4

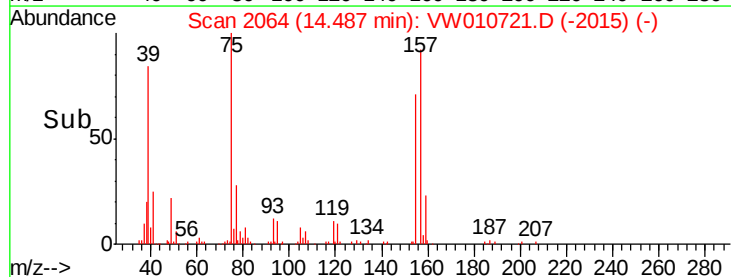
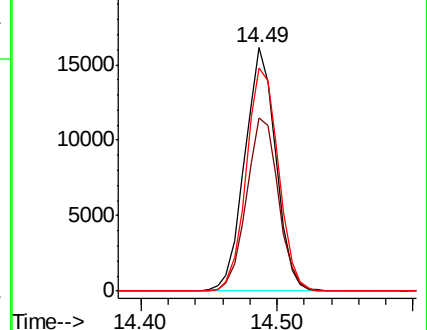
157 94.8 48.4 145.0

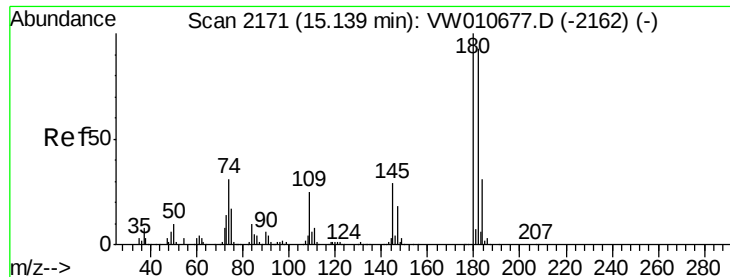


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 55.381 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

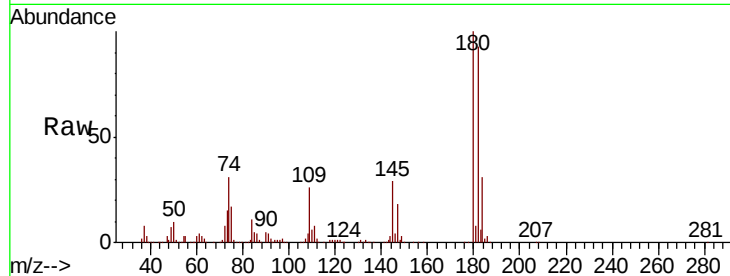
Tot Ion:180 Resp: 193716

Ion Ratio Lower Upper

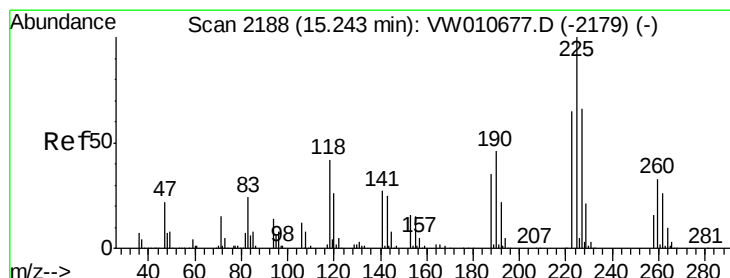
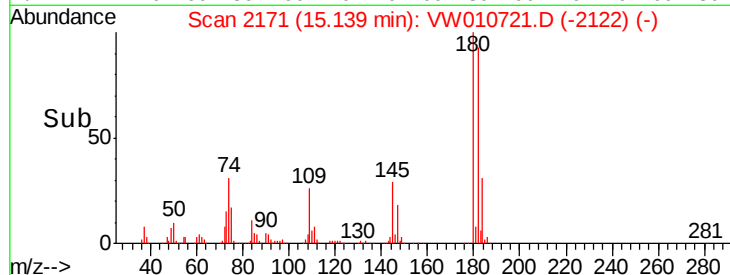
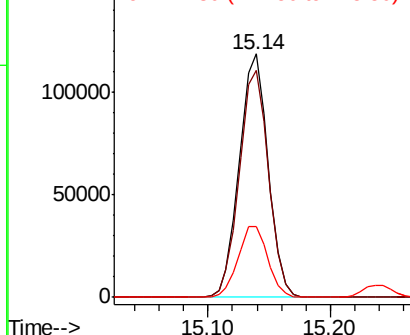
180 100

182 94.6 47.1 141.4

145 30.0 15.2 45.5



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



#94

Hexachlorobutadiene

Concen: 53.455 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW010721.D

Acq: 06 Jun 2019 20:51

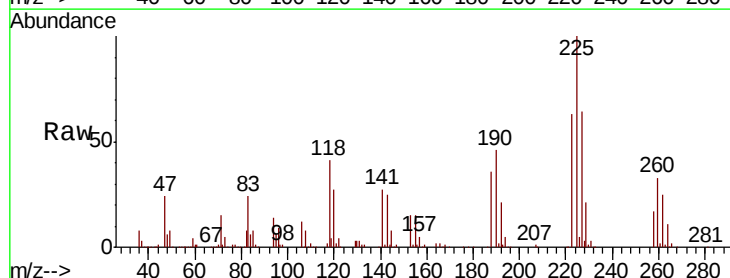
Tgt Ion:225 Resp: 117348

Ion Ratio Lower Upper

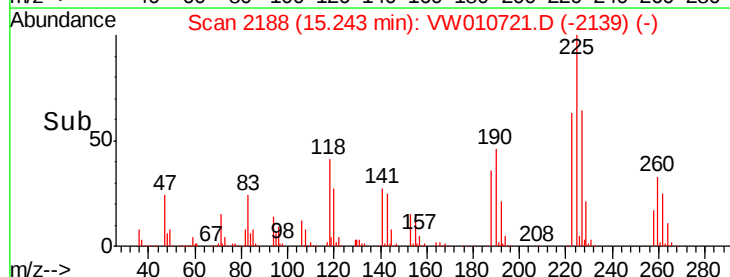
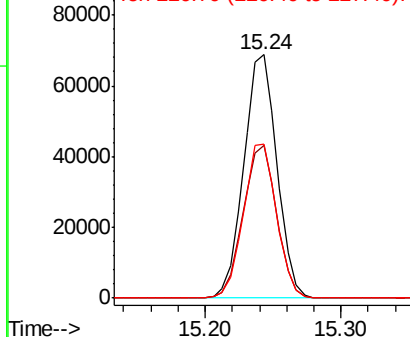
225 100

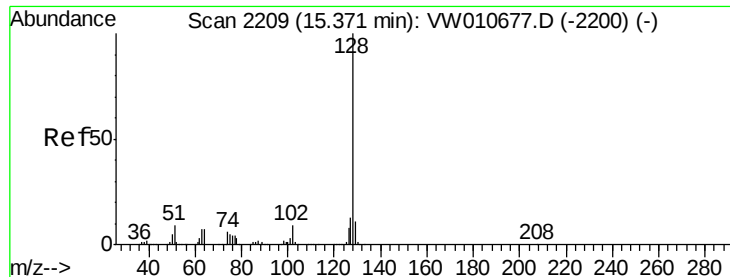
223 63.2 32.2 96.6

227 63.3 32.0 96.0



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

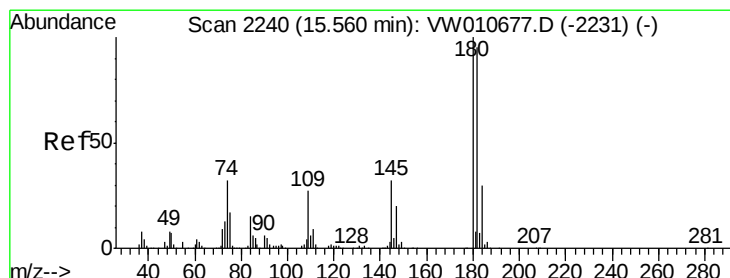
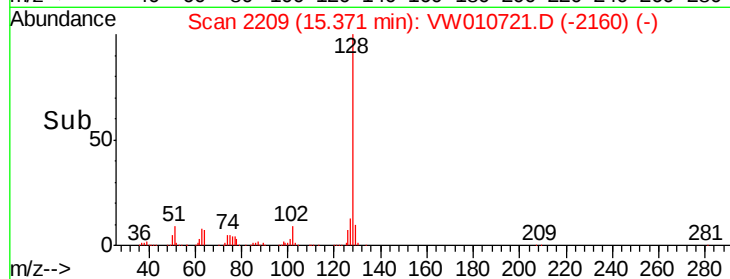
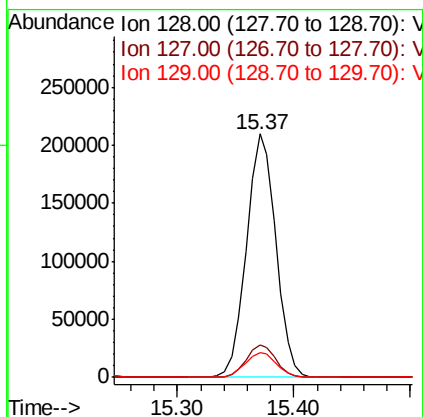
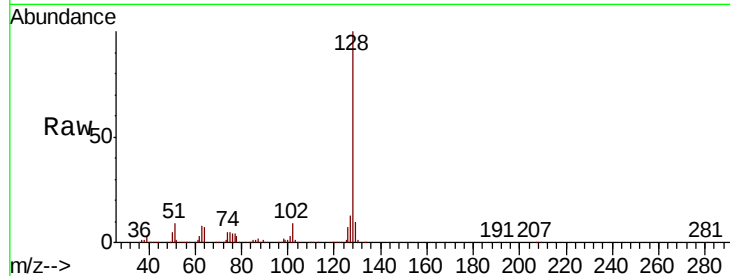




#95
Naphthalene
Concen: 58.037 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 368836
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 56.738 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010721.D
Acq: 06 Jun 2019 20:51

Tgt Ion:180 Resp: 168781
Ion Ratio Lower Upper
180 100
182 94.0 47.0 141.0
145 32.0 16.1 48.3

