

Data File : VW010772.D
Acq On : 12 Jun 2019 10:59
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Quant Time: Jun 13 07:34:28 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	235280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159099	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	149820	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	7.88	113	122048	59.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.56%	
50) Toluene-d8	10.32	98	510378	56.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.06%	
62) 4-Bromofluorobenzene	12.62	95	185391	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	105617	48.577	ug/l	100
3) Chloromethane	2.22	50	167696	52.424	ug/l	100
4) Vinyl Chloride	2.36	62	152159	51.484	ug/l	99
5) Bromomethane	2.76	94	84212	51.887	ug/l	97
6) Chloroethane	2.91	64	92256	52.004	ug/l	99
7) Trichlorofluoromethane	3.26	101	205071	53.453	ug/l	100
8) Diethyl Ether	3.68	74	67519	49.247	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	123251	52.254	ug/l	99
10) Methyl Iodide	4.28	142	114884	47.542	ug/l	98
11) Tert butyl alcohol	5.17	59	56345	249.398	ug/l	99
12) 1,1-Dichloroethene	4.04	96	120860	53.118	ug/l	97
13) Acrolein	3.90	56	25487	276.072	ug/l	99
14) Allyl chloride	4.67	41	282389	56.287	ug/l	99
15) Acrylonitrile	5.37	53	161901	243.069	ug/l	100
16) Acetone	4.12	43	213402	287.191	ug/l	100
17) Carbon Disulfide	4.38	76	385495	53.372	ug/l	98
18) Methyl Acetate	4.67	43	75952	47.484	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	325102	49.541	ug/l	100
20) Methylene Chloride	4.92	84	134557	51.619	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	138497	53.619	ug/l	99
22) Diisopropyl ether	6.31	45	541405	53.903	ug/l	99
23) Vinyl Acetate	6.26	43	1555582	256.632	ug/l	100
24) 1,1-Dichloroethane	6.21	63	277686	55.168	ug/l	98
25) 2-Butanone	7.17	43	265207	257.391	ug/l	98
26) 2,2-Dichloropropane	7.16	77	241328	58.919	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	151962	53.460	ug/l	97
28) Bromochloromethane	7.51	49	98714	43.945	ug/l	96
29) Tetrahydrofuran	7.53	42	150655	232.459	ug/l	99
30) Chloroform	7.68	83	247843	53.832	ug/l	99
31) Cyclohexane	7.95	56	278091	49.700	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	225792	56.143	ug/l	100
36) 1,1-Dichloropropene	8.09	75	214342	55.201	ug/l	100
37) Ethyl Acetate	7.25	43	101974	47.393	ug/l	98
38) Carbon Tetrachloride	8.07	117	190620	56.869	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	260088	52.691	ug/l	99
40) Benzene	8.32	78	574021	54.190	ug/l	99
41) Methacrylonitrile	7.49	41	71081	55.577	ug/l	92
42) 1,2-Dichloroethane	8.40	62	176669	52.550	ug/l	99
43) Isopropyl Acetate	8.42	43	205102	49.340	ug/l	100
44) Trichloroethene	9.09	130	140747	53.864	ug/l	98
45) 1,2-Dichloropropane	9.37	63	152075	54.234	ug/l	97
46) Dibromomethane	9.46	93	66305	50.909	ug/l	99
47) Bromodichloromethane	9.65	83	186419	55.218	ug/l	98
48) Methyl methacrylate	9.43	41	107863	53.817	ug/l	94
49) 1,4-Dioxane	9.45	88	21957	1078.299	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	518831	244.311	ug/l	100
52) Toluene	10.39	92	354841	54.444	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	193053	53.987	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	231676	55.058	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94565	50.401	ug/l	99
56) Ethyl methacrylate	10.65	69	145363	50.350	ug/l	97
57) 1,3-Dichloropropane	10.93	76	181429	51.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	364487	241.034	ug/l	99
59) 2-Hexanone	10.97	43	394778	257.216	ug/l	98
60) Dibromochloromethane	11.13	129	110824	53.284	ug/l	100
61) 1,2-Dibromoethane	11.24	107	87876	49.433	ug/l	100
64) Tetrachloroethene	10.86	164	115943	52.305	ug/l	97
65) Chlorobenzene	11.66	112	354690	54.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	124097	54.604	ug/l	99
67) Ethyl Benzene	11.73	91	695935	55.157	ug/l	99
68) m/p-Xylenes	11.84	106	499054	110.491	ug/l	99
69) o-Xylene	12.17	106	234218	54.676	ug/l	97
70) Styrene	12.18	104	409069	54.972	ug/l	99
71) Bromoform	12.35	173	61333	52.182	ug/l #	100
73) Isopropylbenzene	12.46	105	659840	55.191	ug/l	100
74) N-amyl acetate	12.27	43	199066	51.519	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	111530	49.002	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	152037	90.999	ug/l #	100
77) Bromobenzene	12.75	156	140022	53.654	ug/l	99
78) n-propylbenzene	12.80	91	805448	55.871	ug/l	100
79) 2-Chlorotoluene	12.90	91	456375	55.411	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	548072	56.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38102	52.414	ug/l	99
82) 4-Chlorotoluene	12.99	91	471101	55.427	ug/l	99
83) tert-Butylbenzene	13.21	119	464343	55.910	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	550690	55.922	ug/l	100
85) sec-Butylbenzene	13.39	105	669320	55.353	ug/l	100
86) p-Isopropyltoluene	13.50	119	607972	56.224	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	274413	54.525	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	271328	54.381	ug/l	99
89) n-Butylbenzene	13.83	91	616293	57.123	ug/l	100
90) Hexachloroethane	14.10	117	111016	57.328	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	241895	53.446	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19970	51.094	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061219\
Quantitation Report (Not Reviewed)

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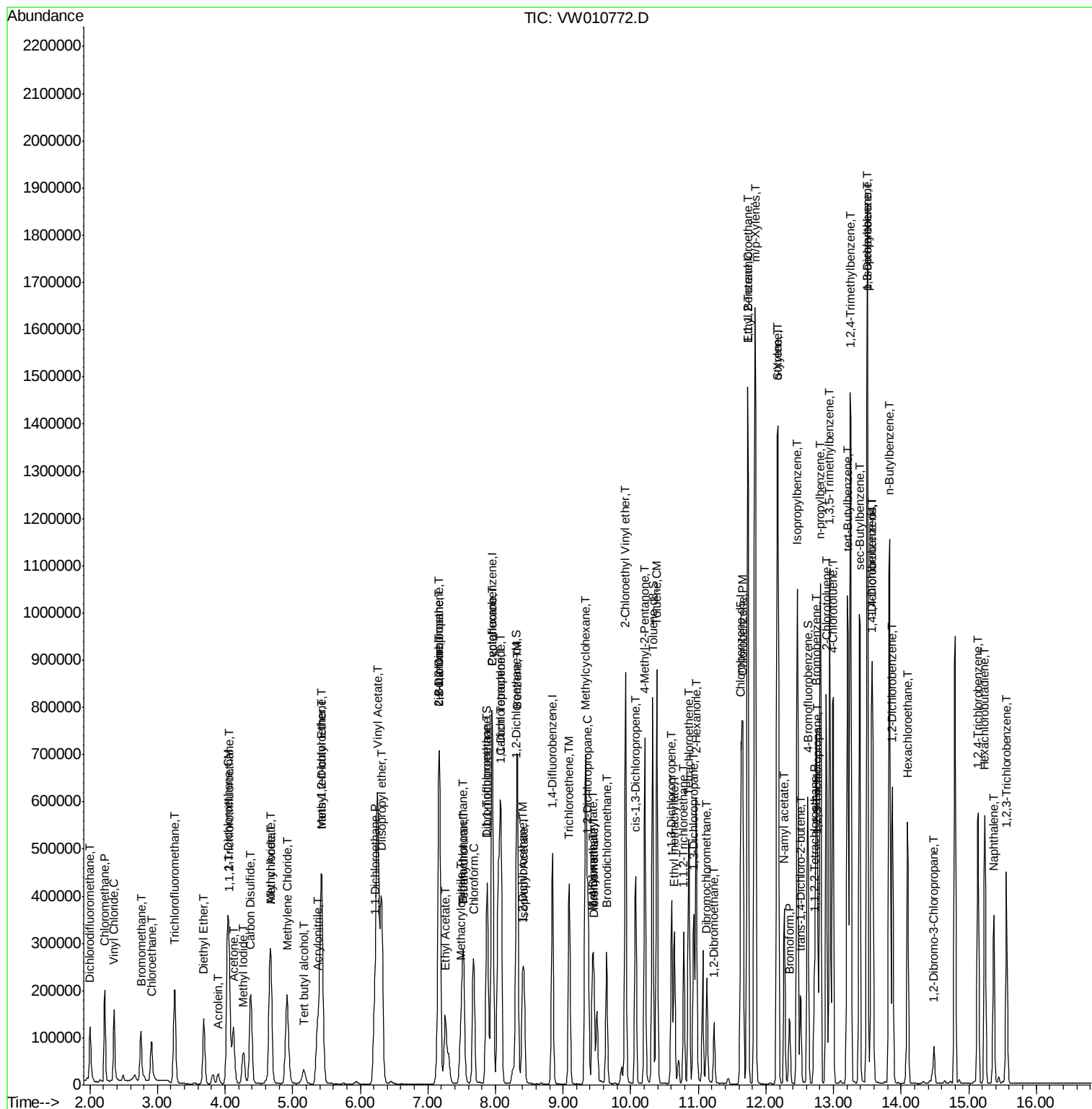
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	174270	54.869	ug/l	98
94) Hexachlorobutadiene	15.24	225	110952	55.661	ug/l	99
95) Naphthalene	15.37	128	295578	51.222	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	147437	54.584	ug/l	100

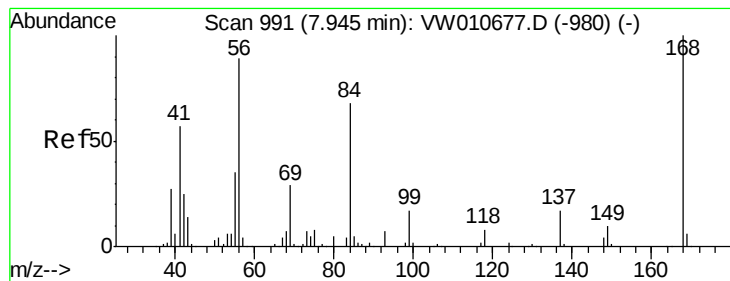
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

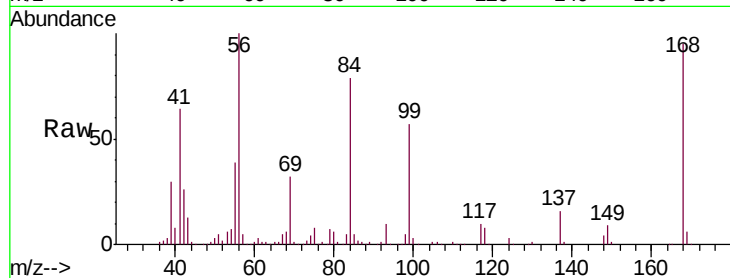
VSTDCCC050

Tgt Ion:168 Resp: 235280

Ion Ratio Lower Upper

168 100

99 59.7 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

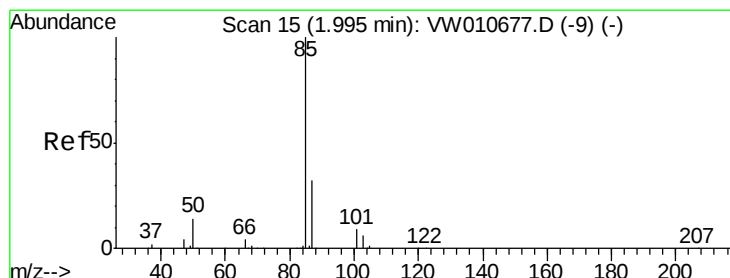
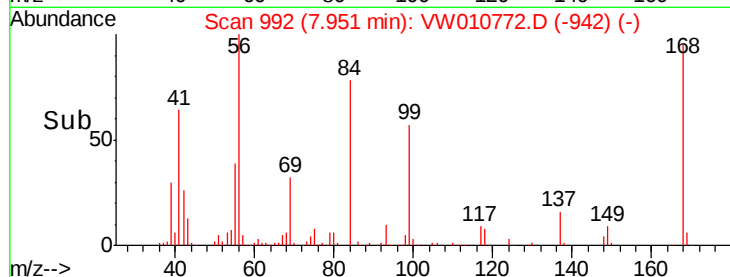
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.577 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010772.D

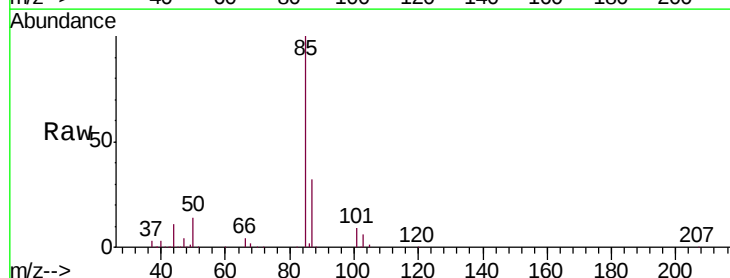
Acq: 12 Jun 2019 10:59

Tgt Ion: 85 Resp: 105617

Ion Ratio Lower Upper

85 100

87 32.2 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

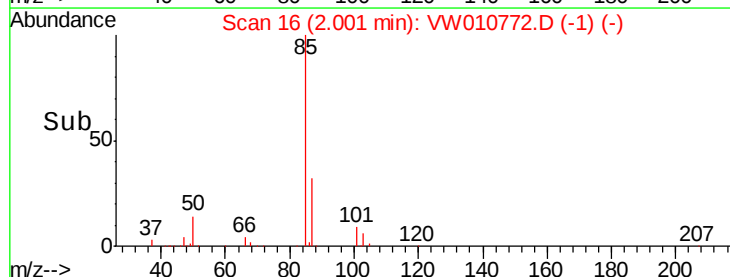
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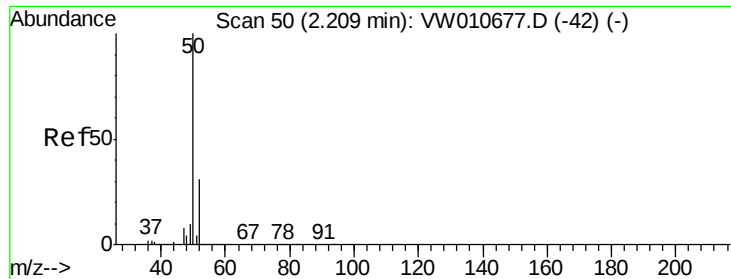
40000

20000

0

Time-->





#3

Chloromethane

Concen: 52.424 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

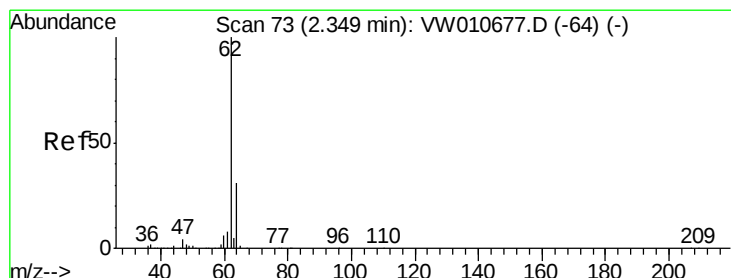
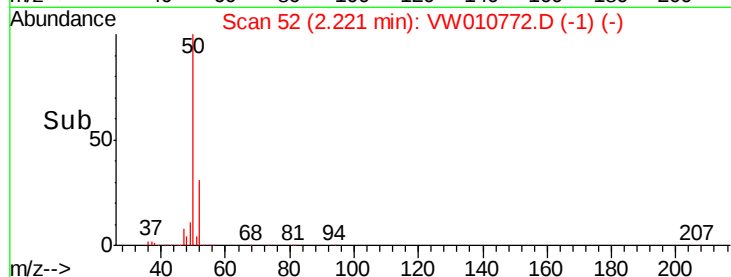
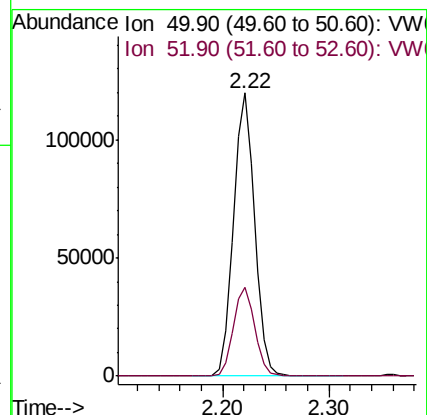
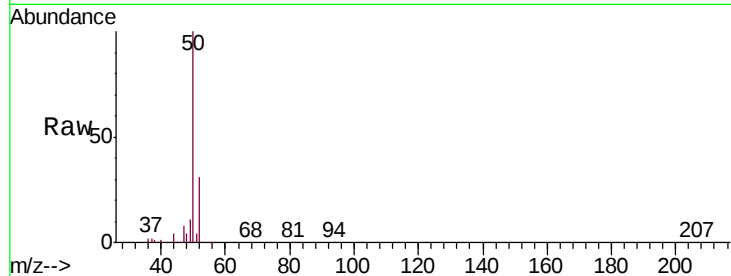
VSTDCCC050

Tgt Ion: 50 Resp: 167696

Ion Ratio Lower Upper

50 100

52 31.4 25.2 37.8



#4

Vinyl Chloride

Concen: 51.484 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW010772.D

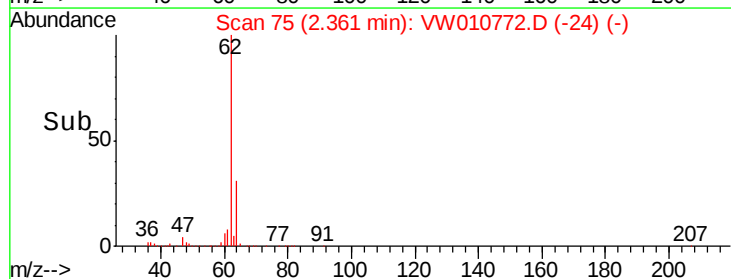
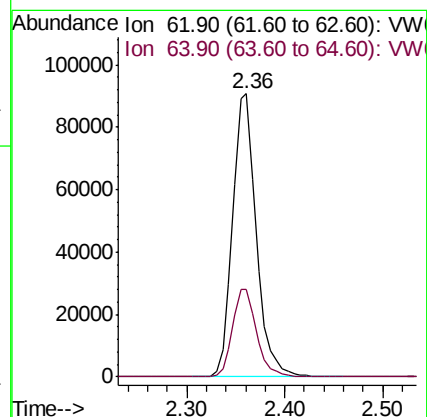
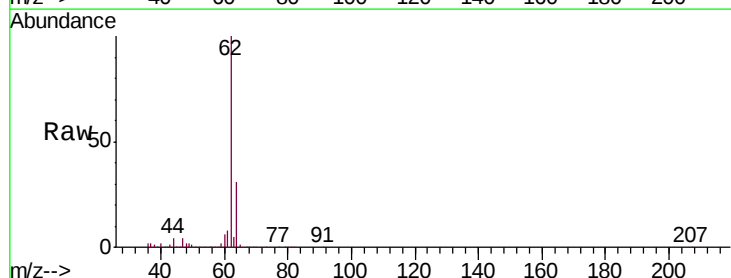
Acq: 12 Jun 2019 10:59

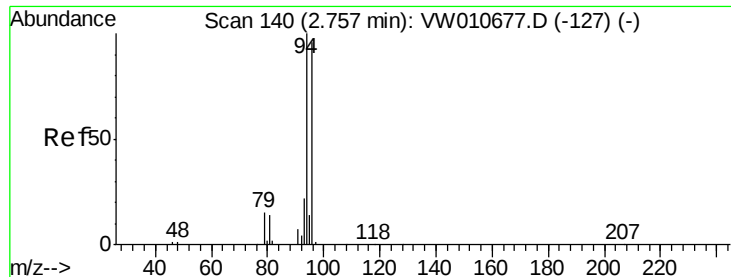
Tgt Ion: 62 Resp: 152159

Ion Ratio Lower Upper

62 100

64 30.9 24.5 36.7





#5

Bromomethane

Concen: 51.887 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

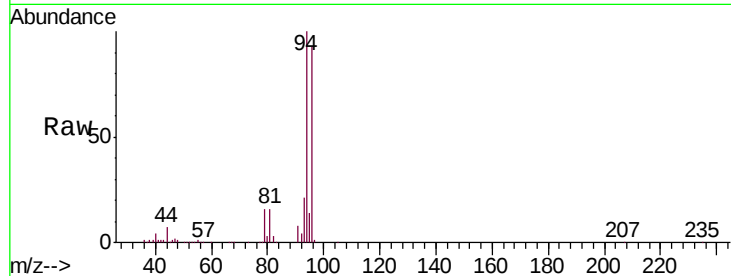
VSTDCCC050

Tgt Ion: 94 Resp: 84212

Ion Ratio Lower Upper

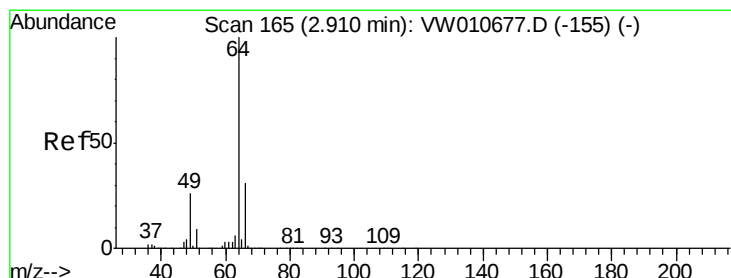
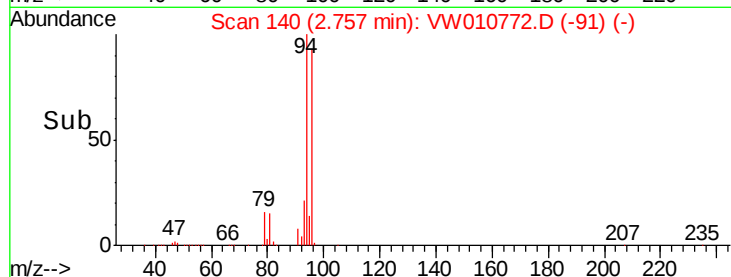
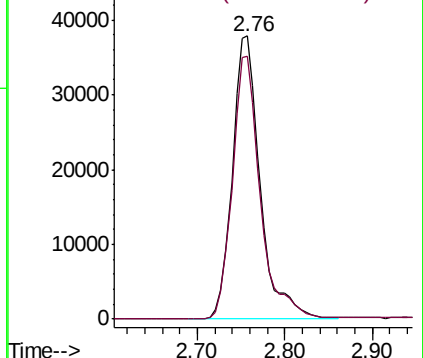
94 100

96 92.5 76.5 114.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 52.004 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010772.D

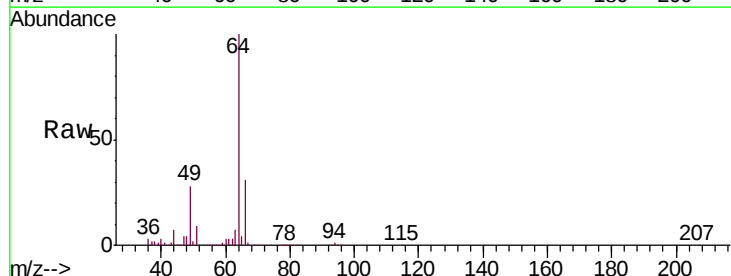
Acq: 12 Jun 2019 10:59

Tgt Ion: 64 Resp: 92256

Ion Ratio Lower Upper

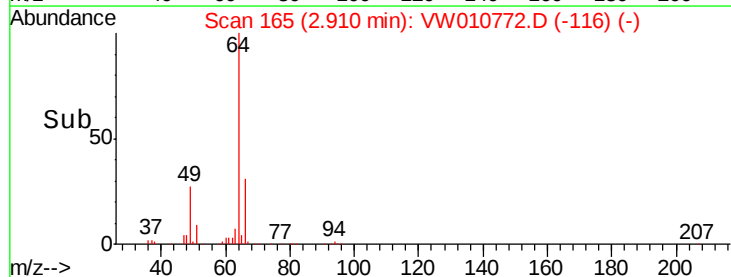
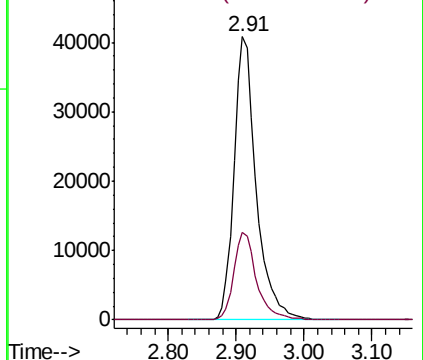
64 100

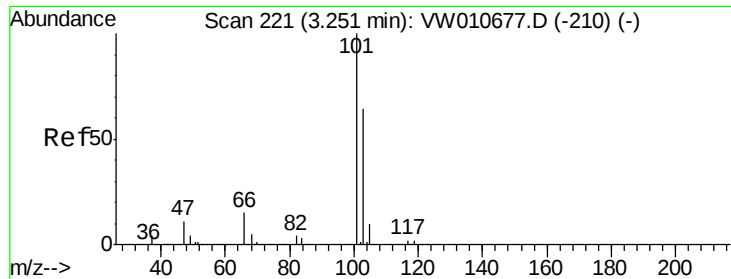
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



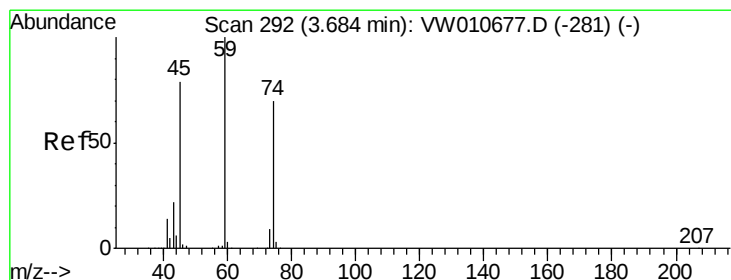
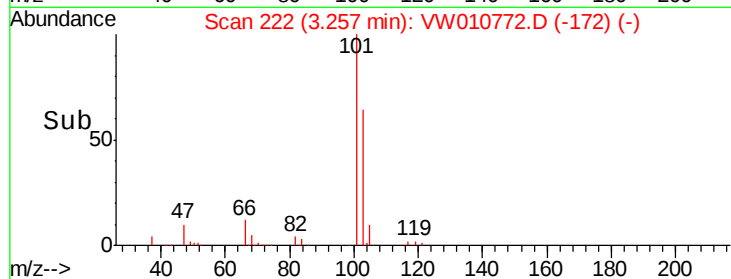
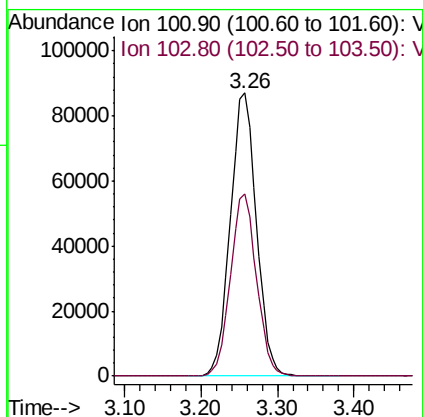
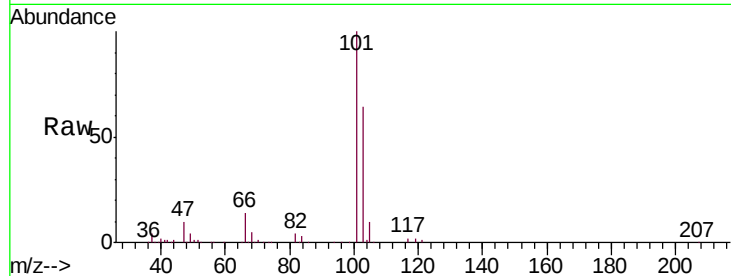


#7

Trichlorofluoromethane
Concen: 53.453 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
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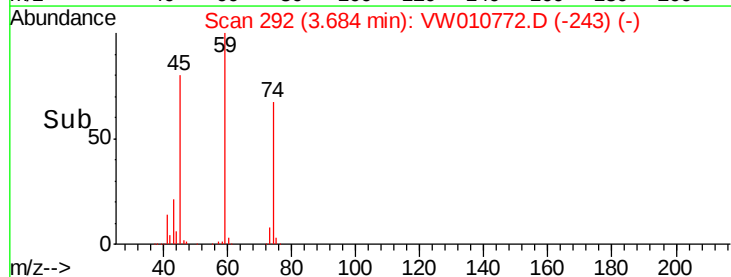
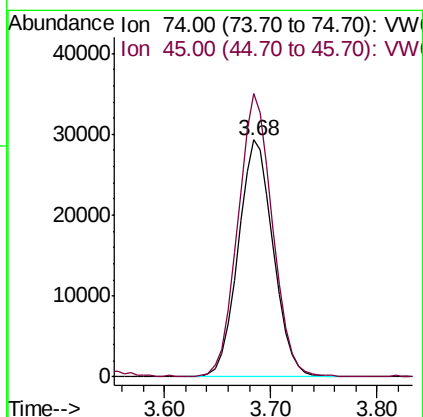
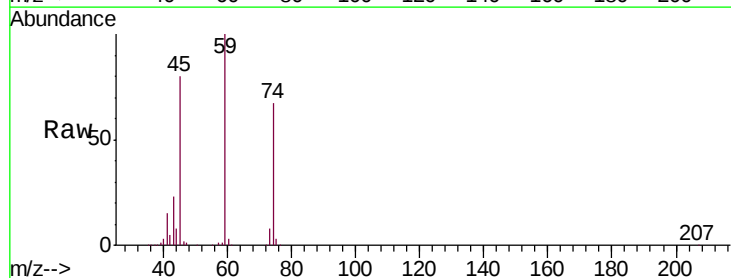
Tgt Ion:101 Resp: 205071
Ion Ratio Lower Upper
101 100
103 64.4 51.2 76.8

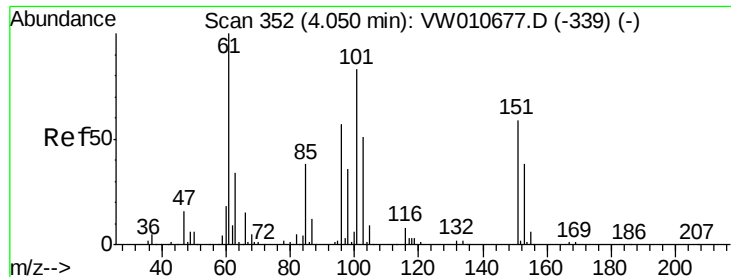


#8

Diethyl Ether
Concen: 49.247 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010772.D
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Tgt Ion: 74 Resp: 67519
Ion Ratio Lower Upper
74 100
45 118.5 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.254 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010772.D

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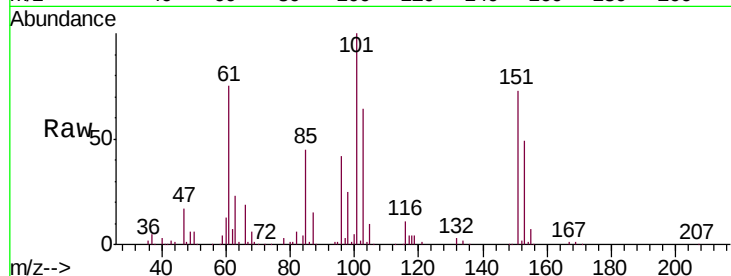
Tgt Ion:101 Resp: 123251

Ion Ratio Lower Upper

101 100

85 45.7 35.8 53.8

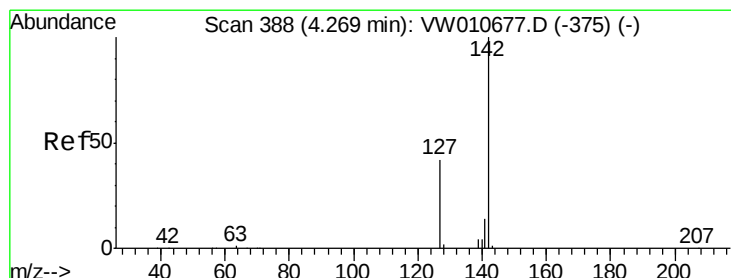
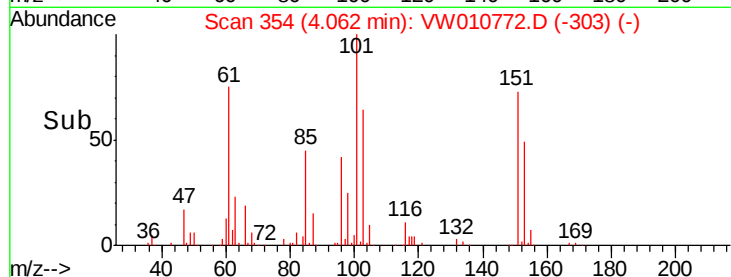
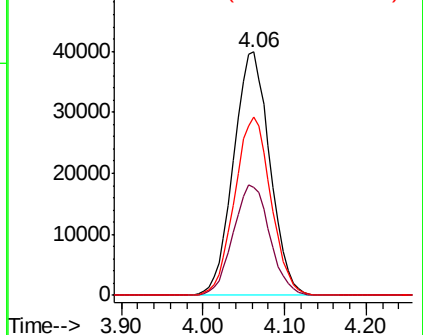
151 73.3 58.1 87.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.542 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

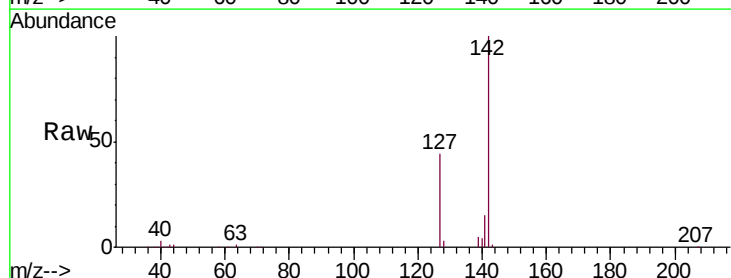
Tgt Ion:142 Resp: 114884

Ion Ratio Lower Upper

142 100

127 45.1 34.6 51.8

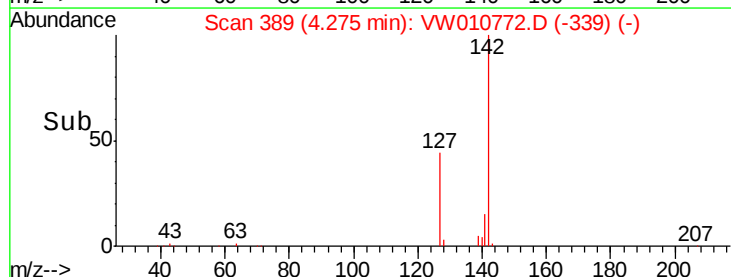
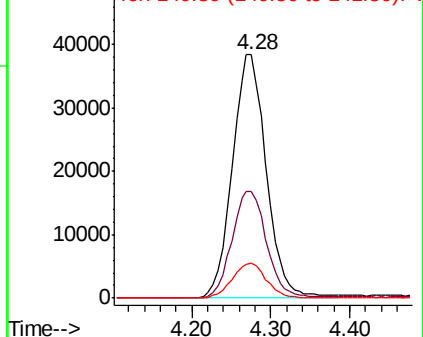
141 14.5 11.6 17.4

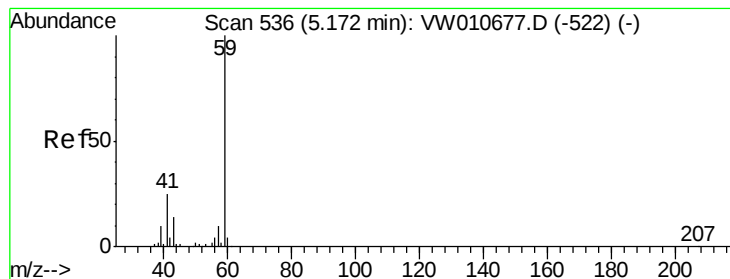


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



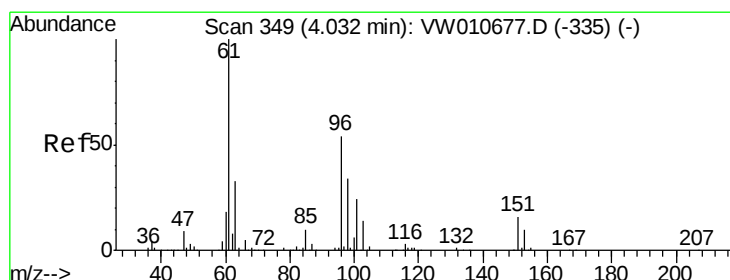
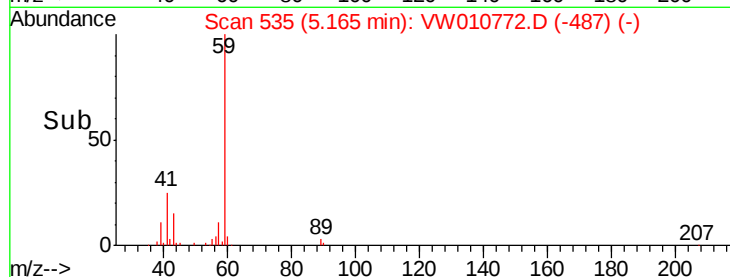
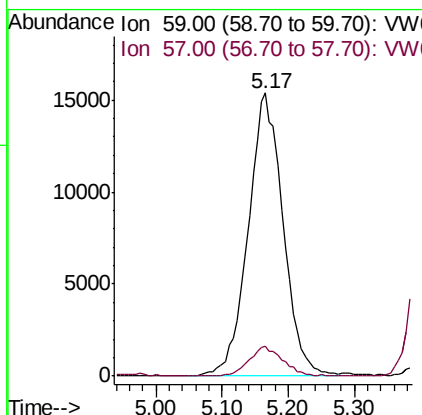
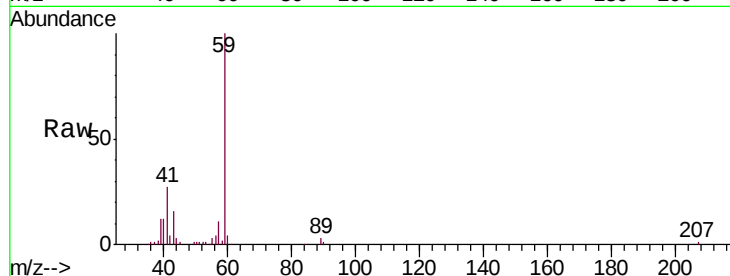


#11

Tert butyl alcohol
 Concen: 249.398 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

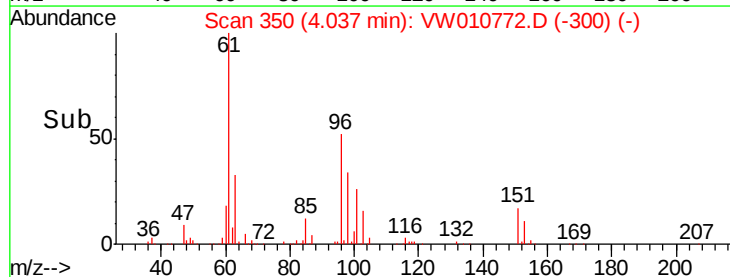
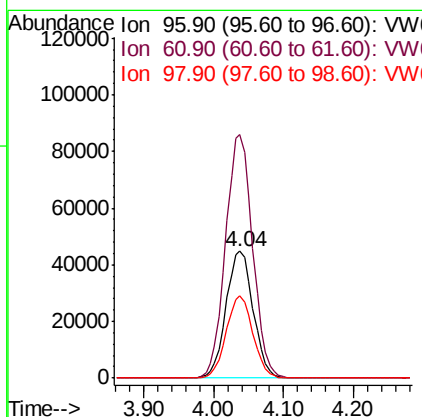
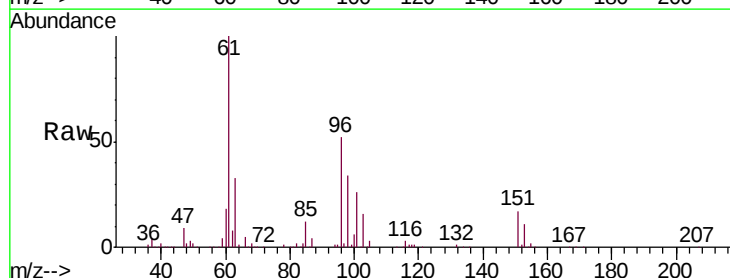
Tgt Ion: 59 Resp: 56345
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 12.8

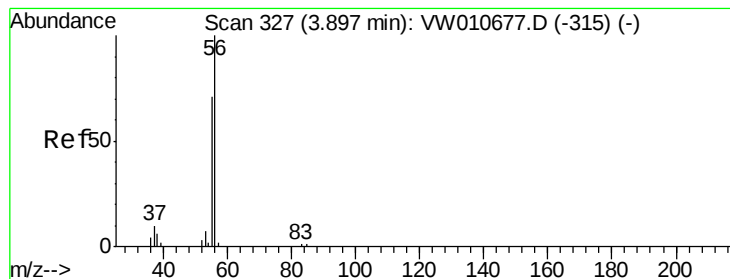


#12

1,1-Dichloroethene
 Concen: 53.118 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 96 Resp: 120860
 Ion Ratio Lower Upper
 96 100
 61 191.6 149.1 223.7
 98 64.5 51.1 76.7





#13

Acrolein

Concen: 276.072 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

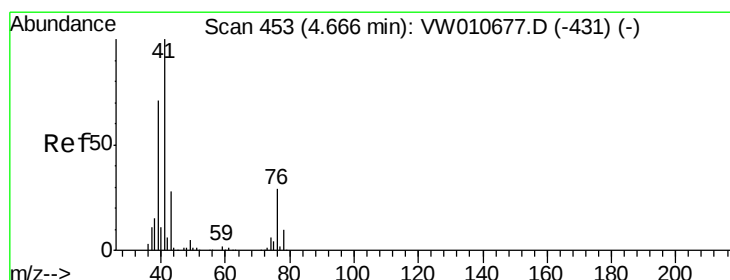
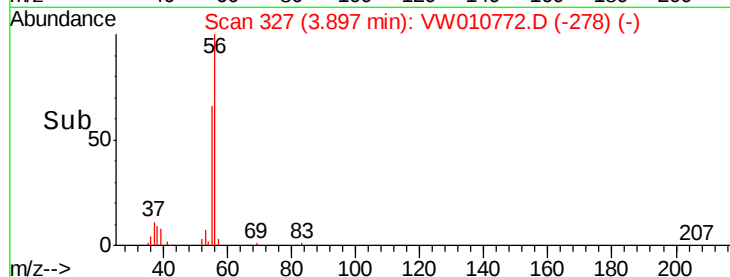
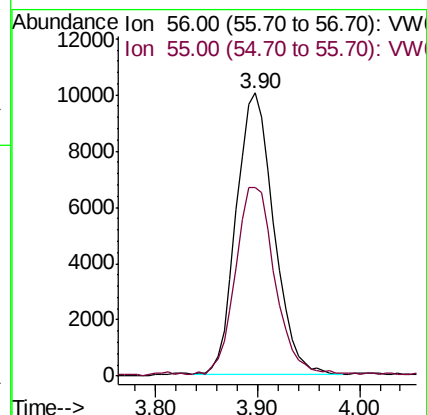
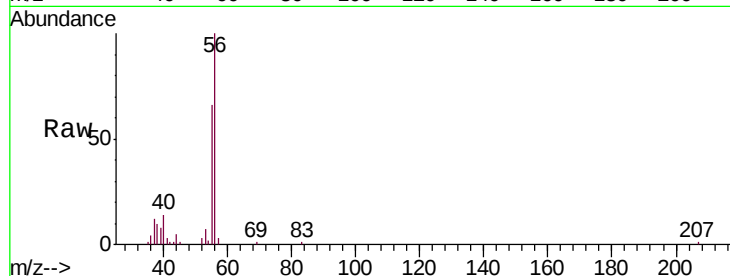
VSTDCCC050

Tgt Ion: 56 Resp: 25487

Ion Ratio Lower Upper

56 100

55 71.0 57.6 86.4



#14

Allyl chloride

Concen: 56.287 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

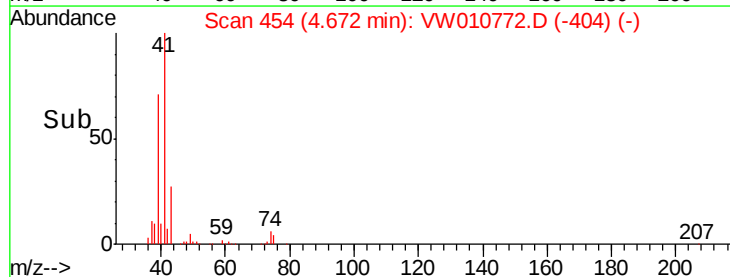
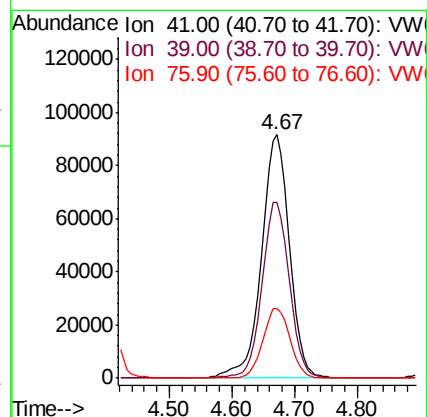
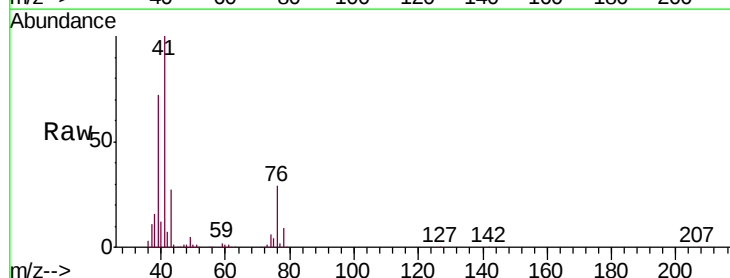
Tgt Ion: 41 Resp: 282389

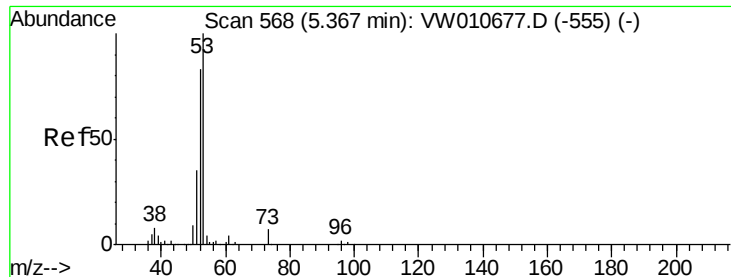
Ion Ratio Lower Upper

41 100

39 70.7 55.8 83.6

76 28.0 22.7 34.1





#15

Acrylonitrile

Concen: 243.069 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

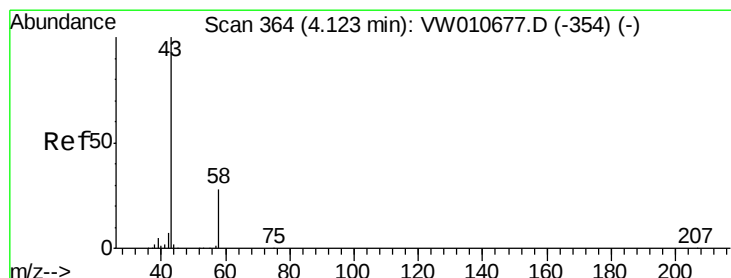
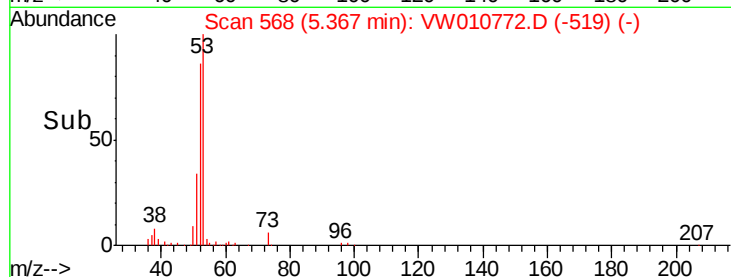
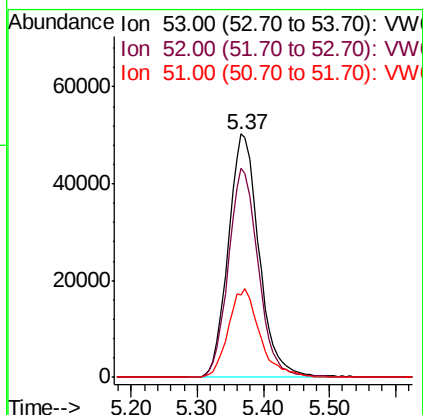
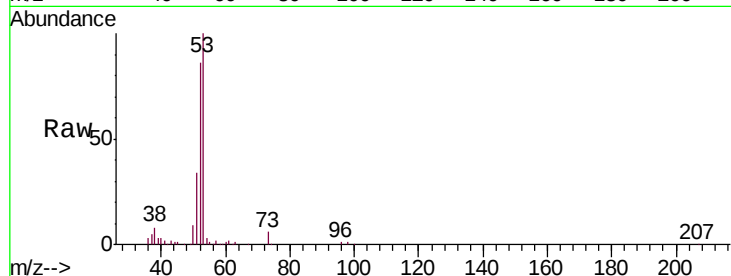
Tgt Ion: 53 Resp: 161901

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 37.2 29.8 44.8



#16

Acetone

Concen: 287.191 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010772.D

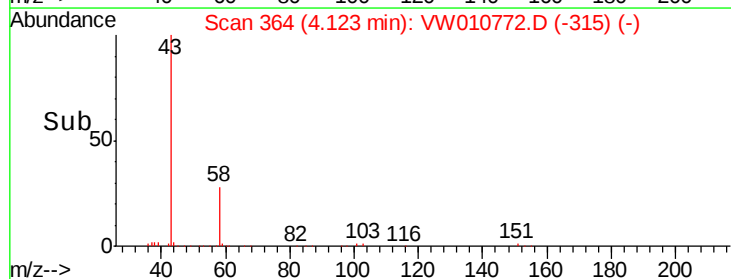
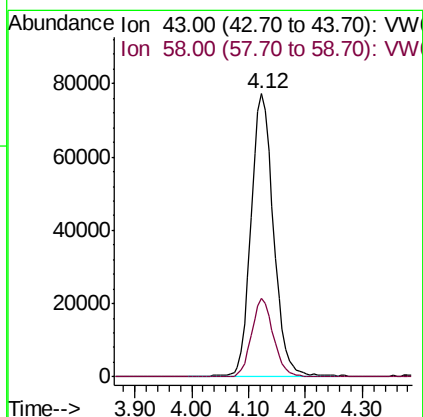
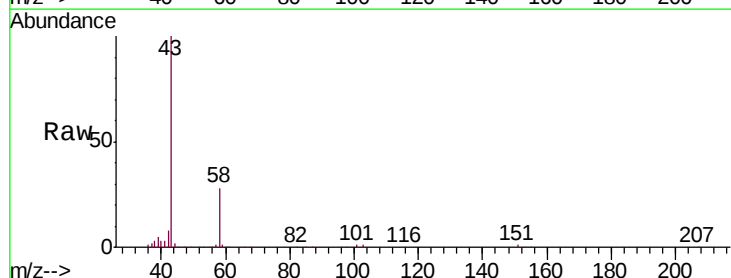
Acq: 12 Jun 2019 10:59

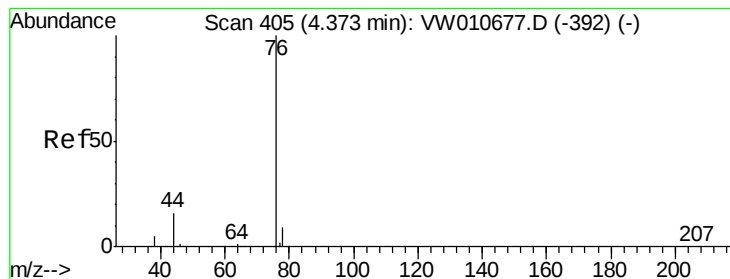
Tgt Ion: 43 Resp: 213402

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1





#17

Carbon Disulfide

Concen: 53.372 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

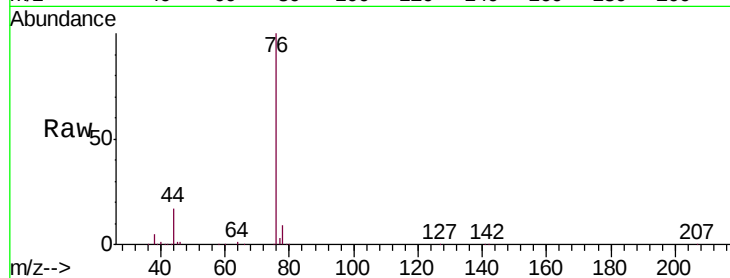
VSTDCCC050

Tgt Ion: 76 Resp: 385495

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

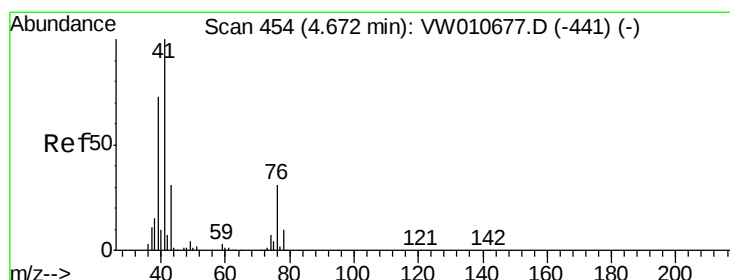
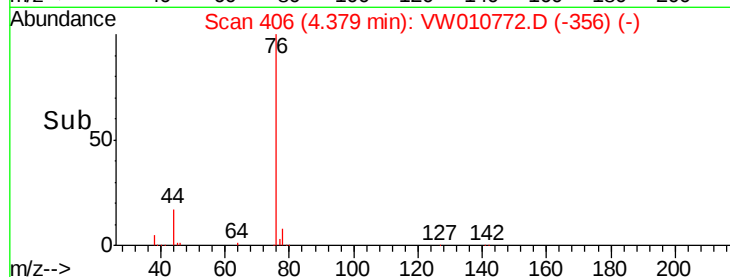
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 47.484 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010772.D

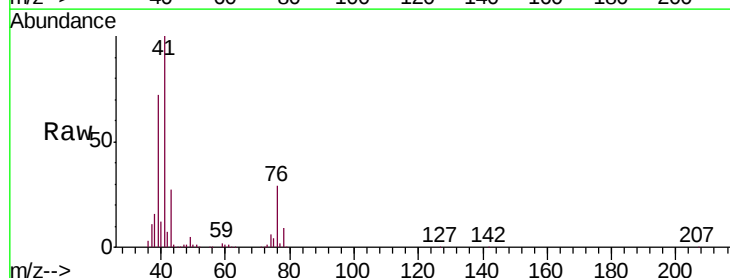
Acq: 12 Jun 2019 10:59

Tgt Ion: 43 Resp: 75952

Ion Ratio Lower Upper

43 100

74 19.9 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

30000

25000

20000

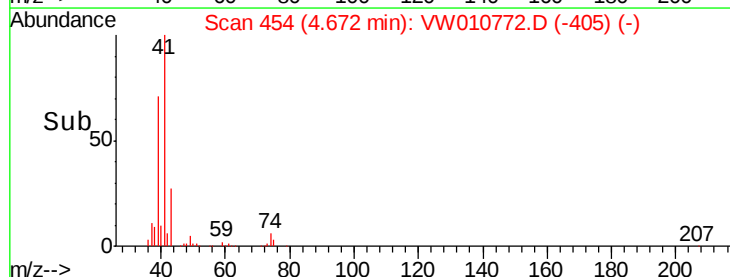
15000

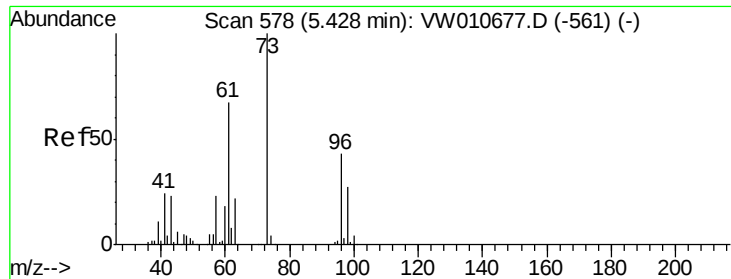
10000

5000

0

Time--> 4.50 4.60 4.70 4.80 4.90

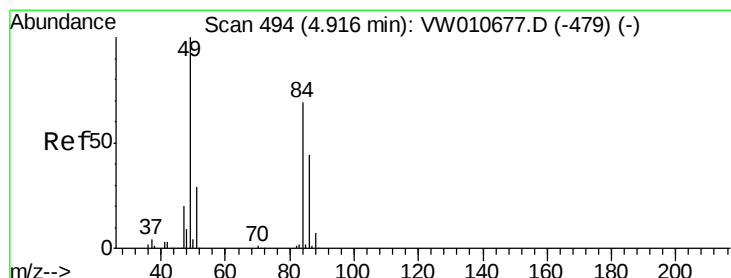
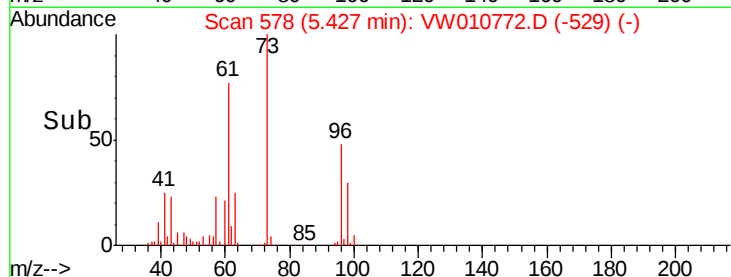
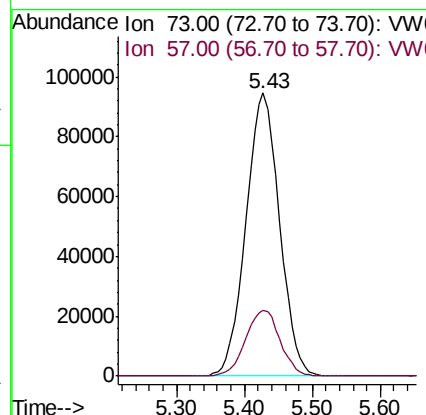
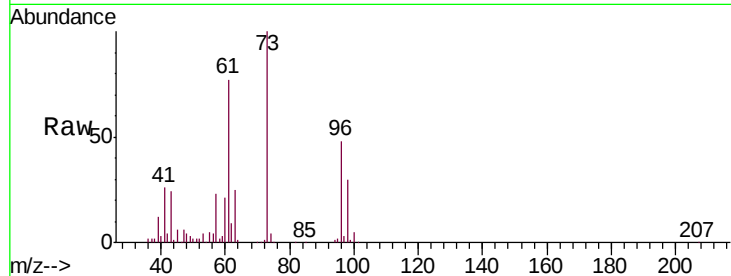




#19
Methyl tert-butyl Ether
Concen: 49.541 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

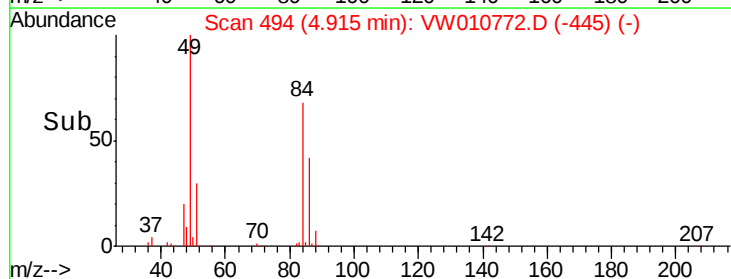
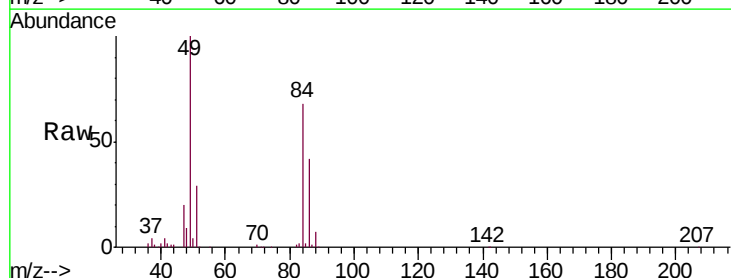
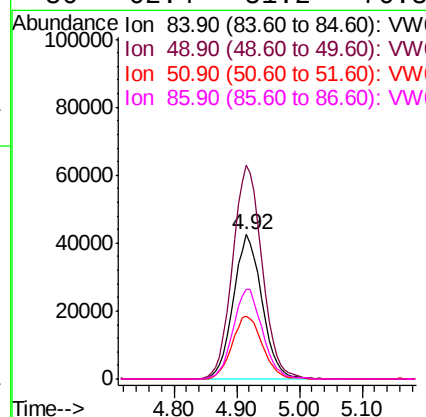
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

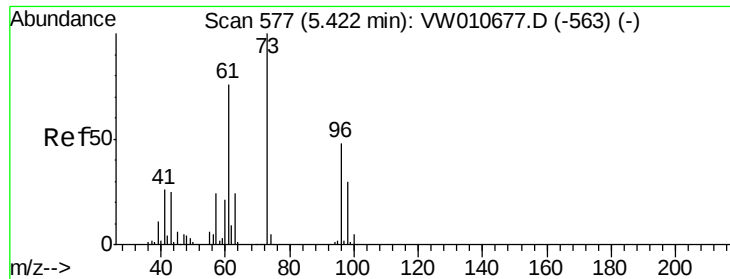
Tgt Ion: 73 Resp: 325102
Ion Ratio Lower Upper
73 100
57 23.3 18.6 27.8



#20
Methylene Chloride
Concen: 51.619 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 84 Resp: 134557
Ion Ratio Lower Upper
84 100
49 148.1 116.7 175.1
51 43.7 34.2 51.2
86 62.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.619 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

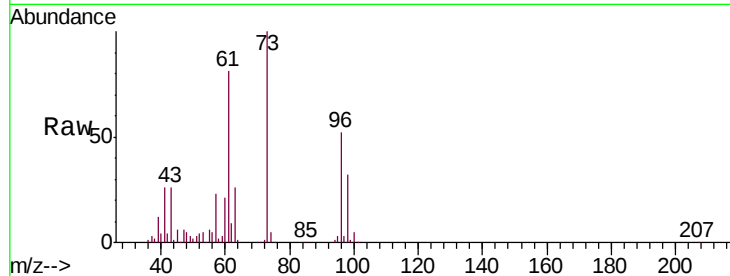
Tgt Ion: 96 Resp: 138497

Ion Ratio Lower Upper

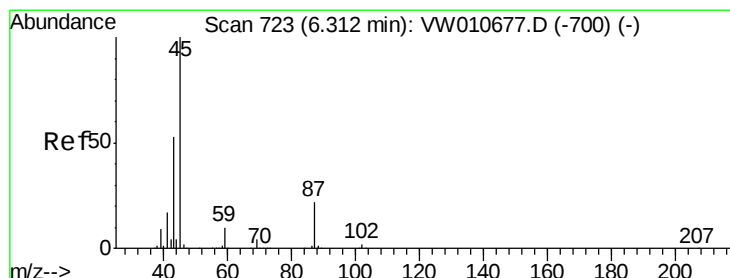
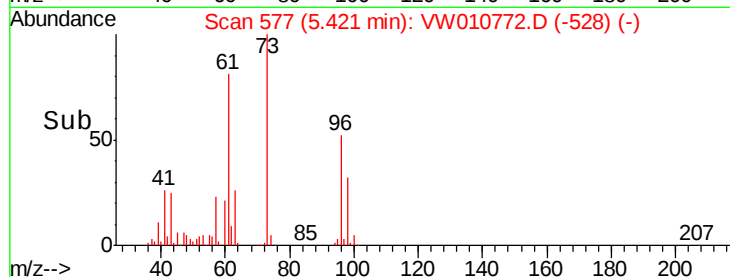
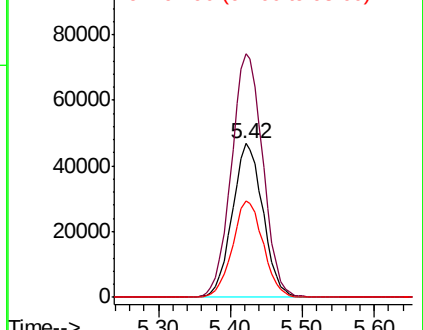
96 100

61 158.2 126.0 189.0

98 62.6 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: 53.903 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Tgt Ion: 45 Resp: 541405

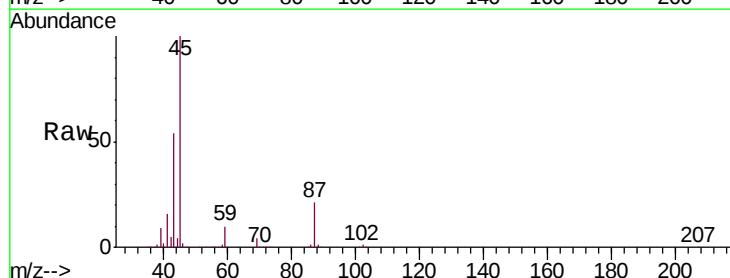
Ion Ratio Lower Upper

45 100

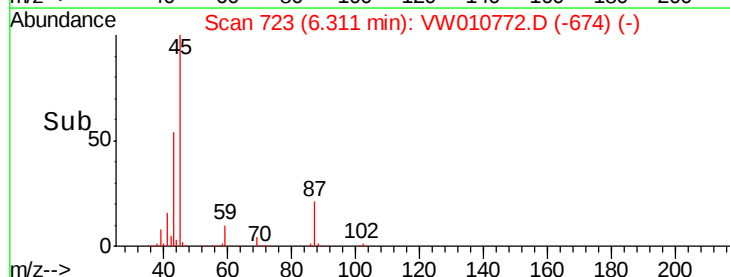
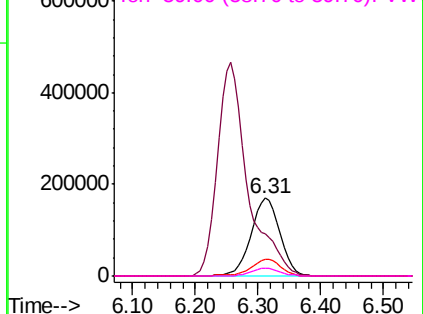
43 54.2 42.5 63.7

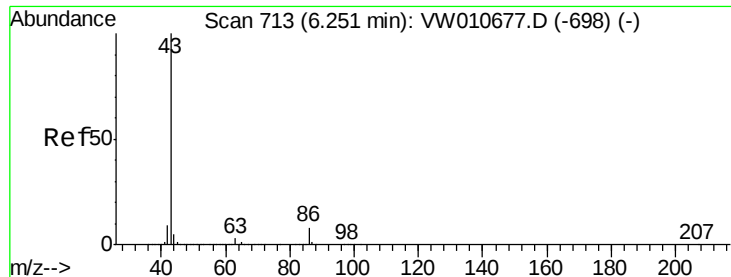
87 20.9 17.4 26.2

59 10.1 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: 256.632 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

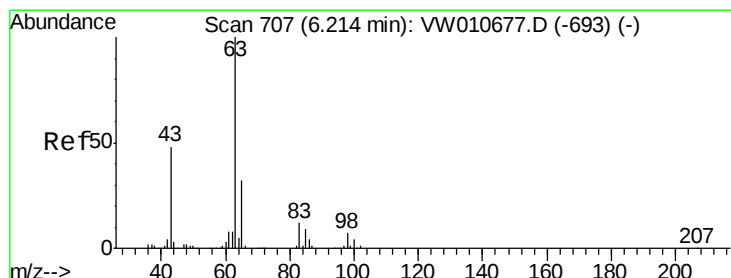
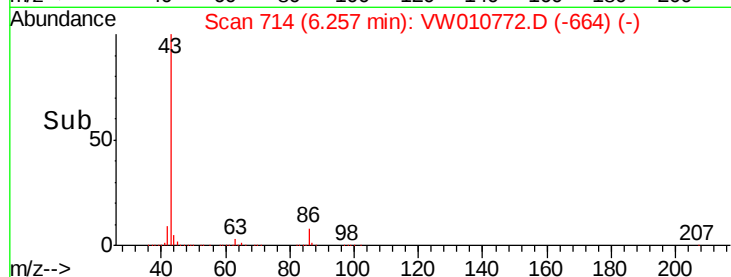
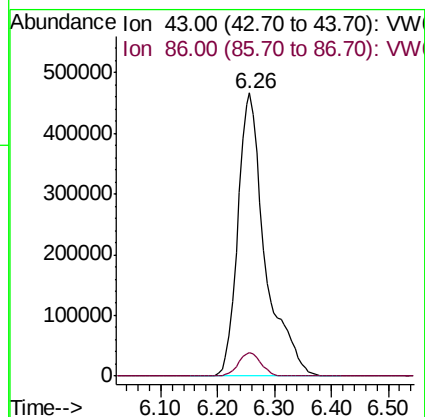
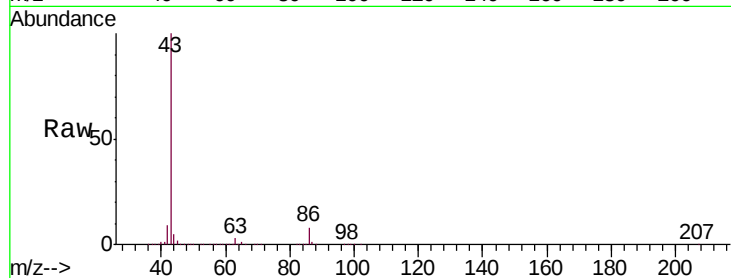
VSTDCCC050

Tgt Ion: 43 Resp: 1555582

Ion Ratio Lower Upper

43 100

86 8.2 6.6 10.0



#24

1,1-Dichloroethane

Concen: 55.168 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

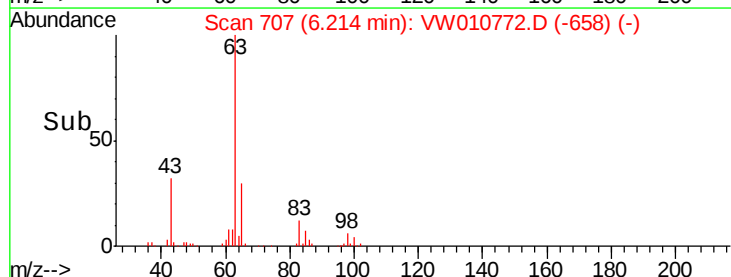
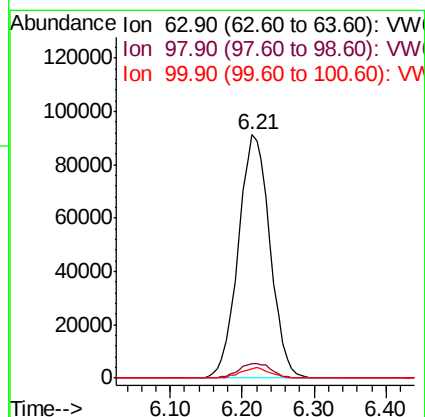
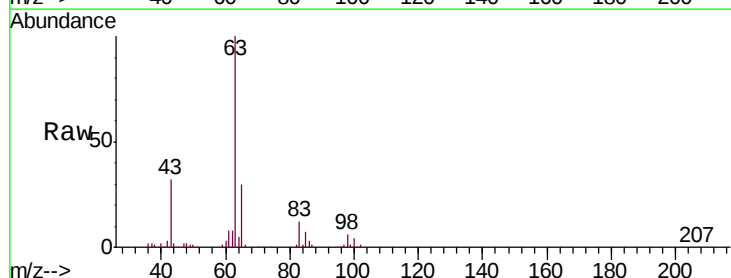
Tgt Ion: 63 Resp: 277686

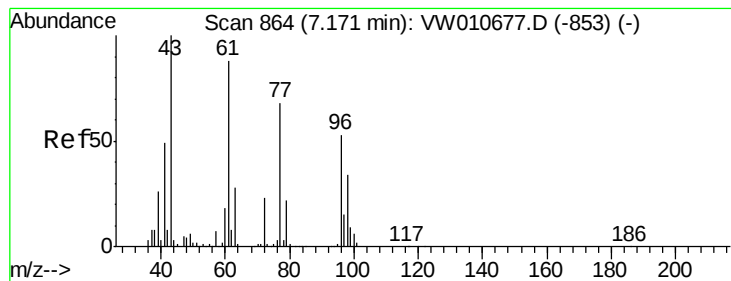
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 4.1 2.1 6.3





#25

2-Butanone

Concen: 257.391 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

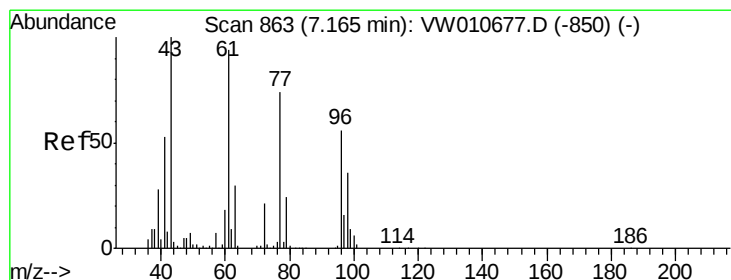
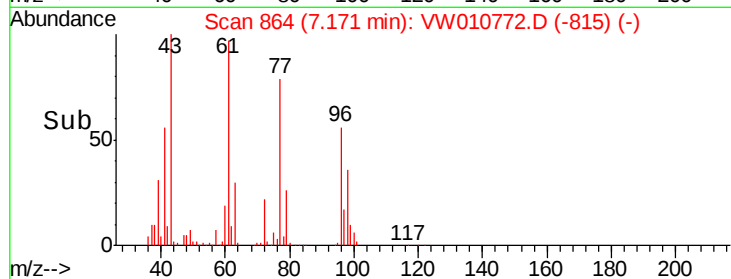
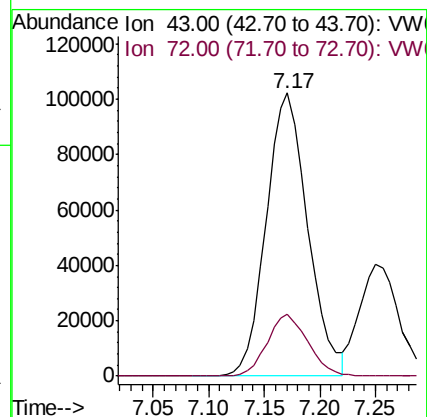
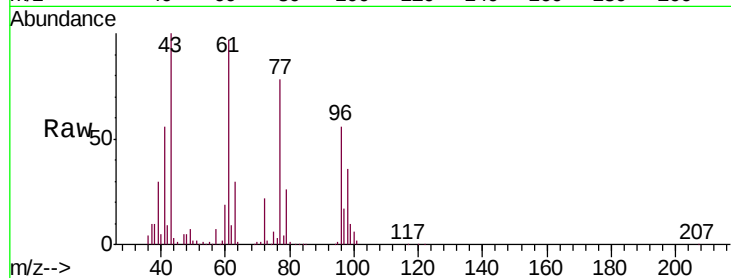
VSTDCCC050

Tgt Ion: 43 Resp: 265207

Ion Ratio Lower Upper

43 100

72 21.7 18.1 27.1



#26

2,2-Dichloropropane

Concen: 58.919 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010772.D

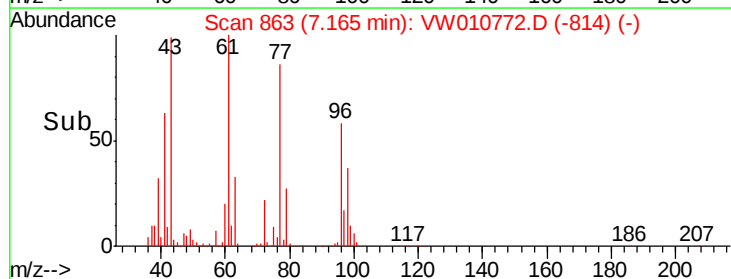
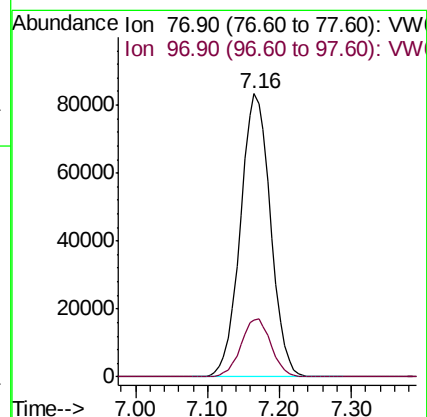
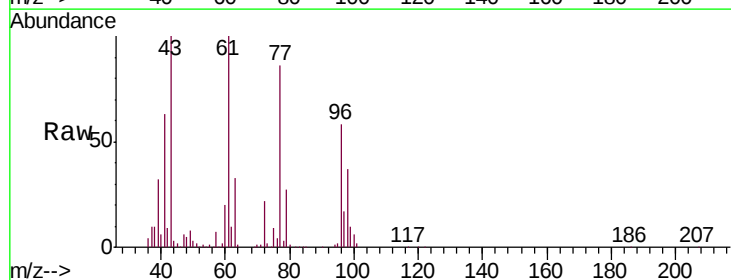
Acq: 12 Jun 2019 10:59

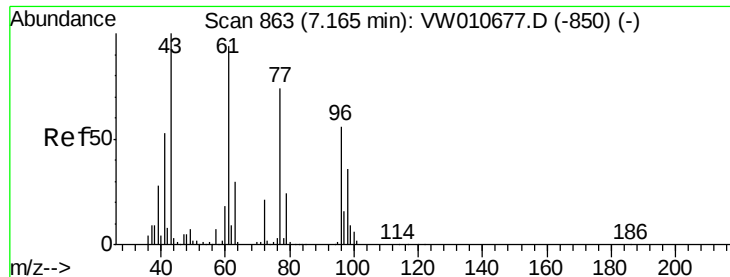
Tgt Ion: 77 Resp: 241328

Ion Ratio Lower Upper

77 100

97 20.4 10.5 31.6



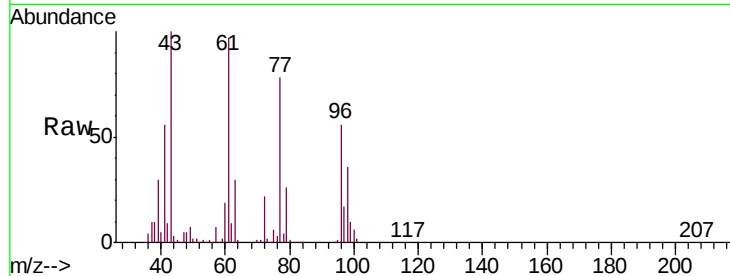


#27

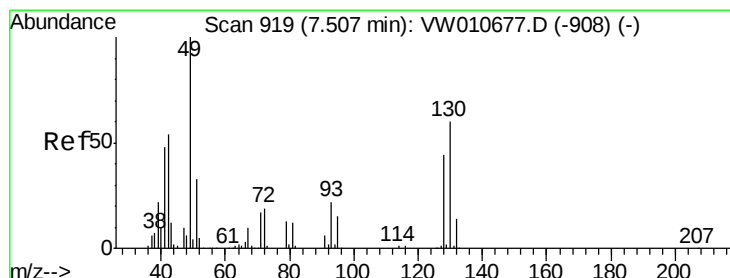
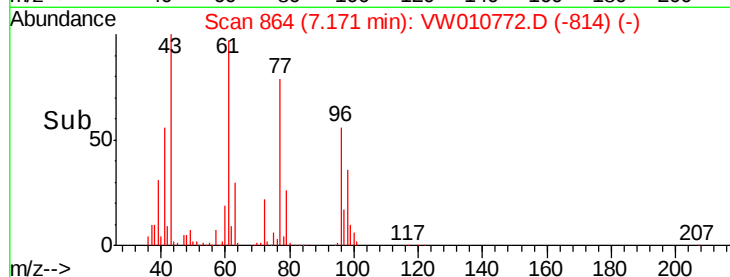
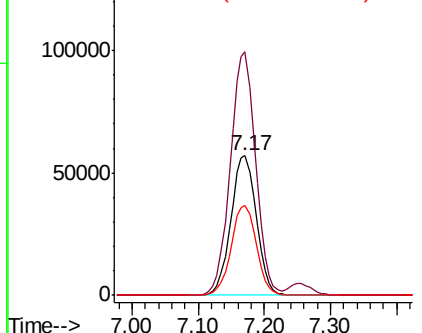
cis-1,2-Dichloroethene
Concen: 53.460 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 151962
Ion Ratio Lower Upper
96 100
61 173.0 0.0 336.4
98 64.1 0.0 128.0



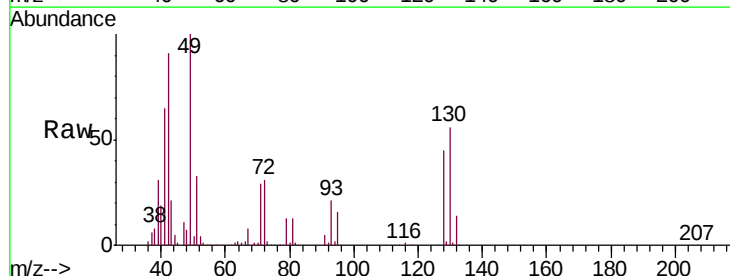
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



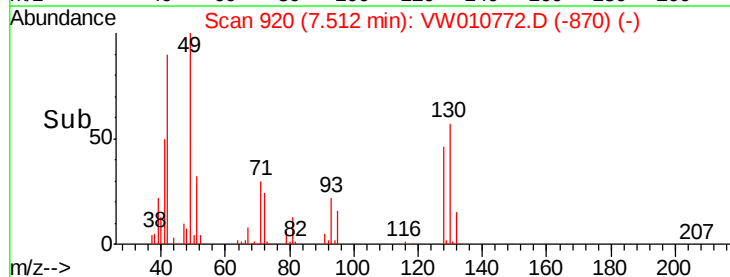
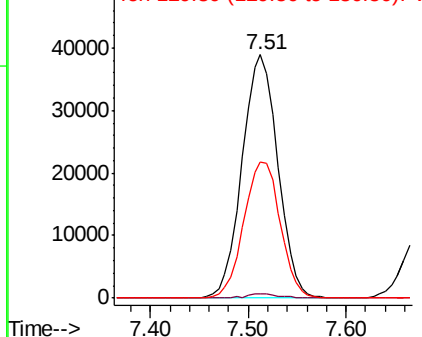
#28

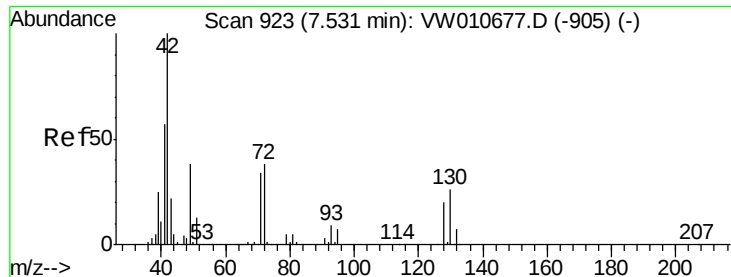
Bromochloromethane
Concen: 43.945 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 49 Resp: 98714
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.2
130 57.0 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

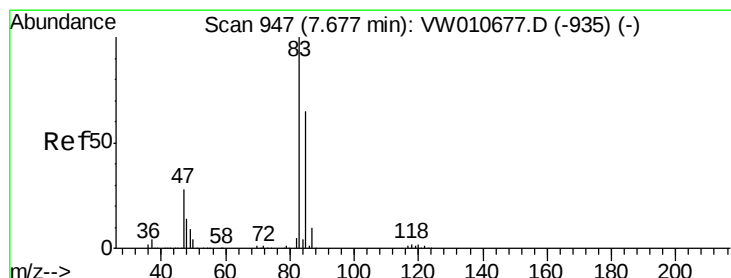
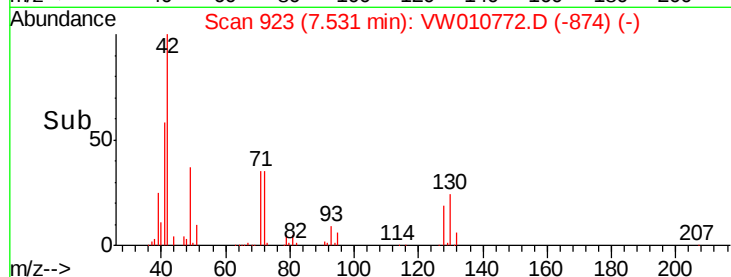
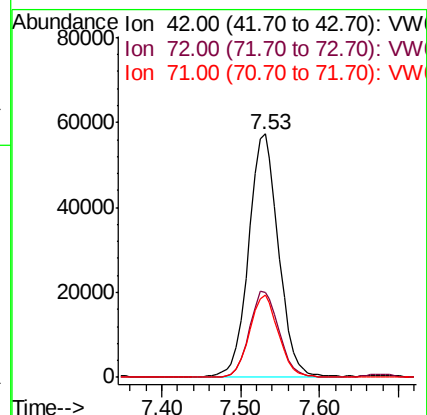
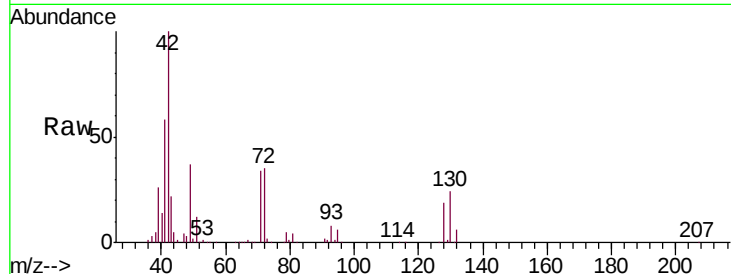




#29
Tetrahydrofuran
Concen: 232.459 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

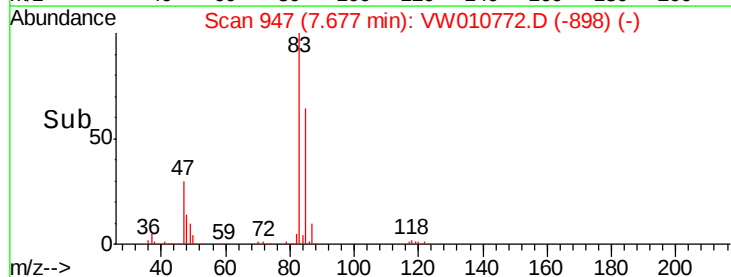
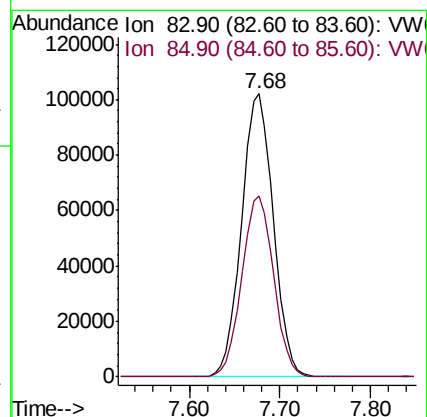
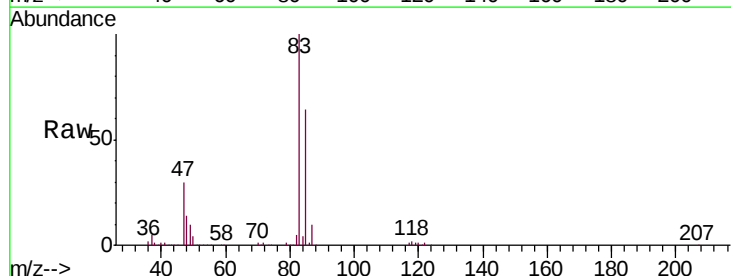
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

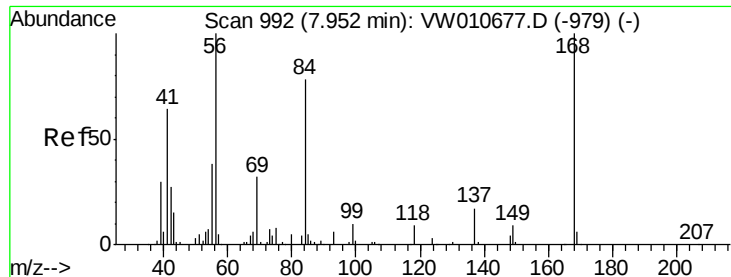
Tgt Ion: 42 Resp: 150655
Ion Ratio Lower Upper
42 100
72 35.1 28.7 43.1
71 33.1 26.6 39.8



#30
Chloroform
Concen: 53.832 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 83 Resp: 247843
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8

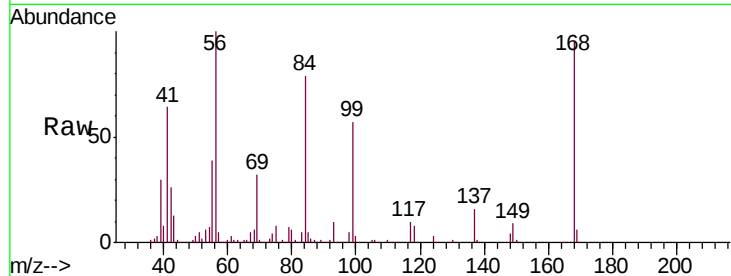




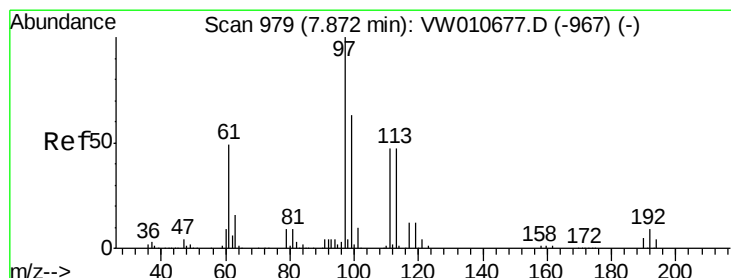
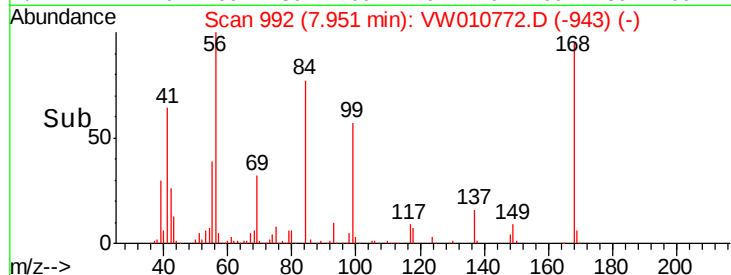
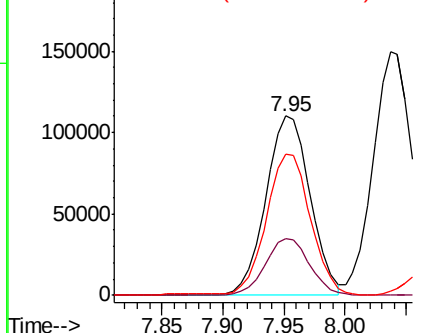
#31
Cyclohexane
Concen: 49.700 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 278091
Ion Ratio Lower Upper
56 100
69 31.6 25.2 37.8
84 77.3 62.2 93.2

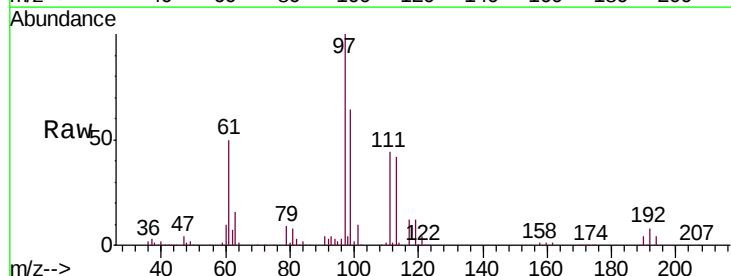


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

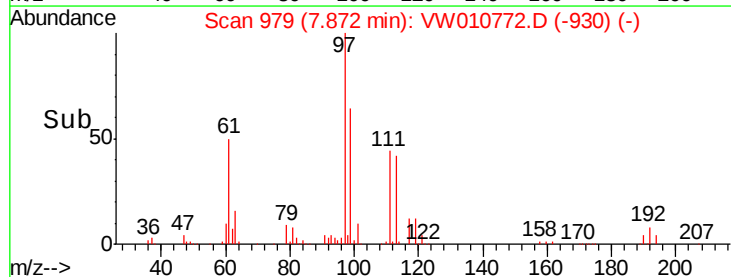
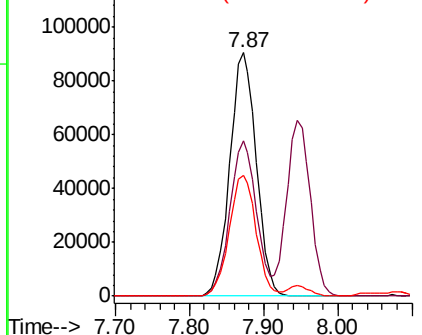


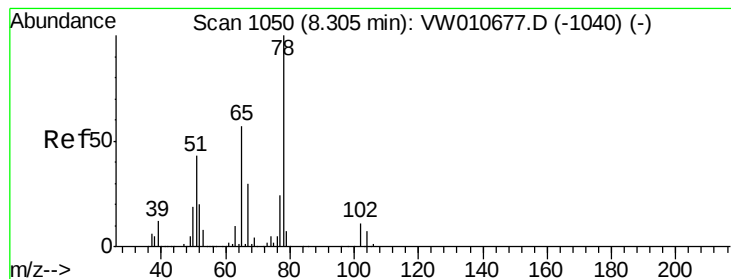
#32
1,1,1-Trichloroethane
Concen: 56.143 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 97 Resp: 225792
Ion Ratio Lower Upper
97 100
99 63.5 51.3 76.9
61 50.4 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: 54.025 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

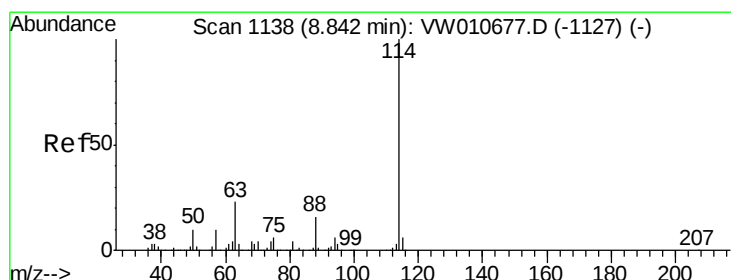
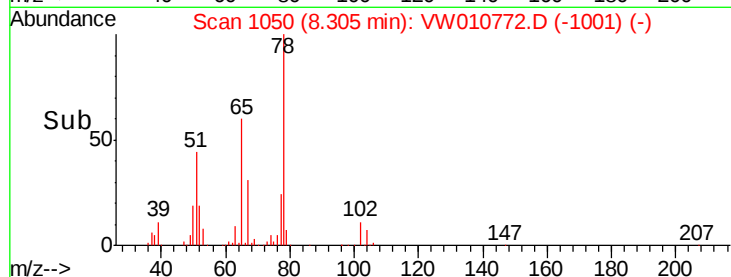
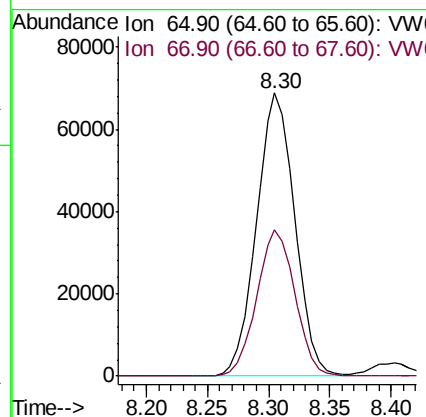
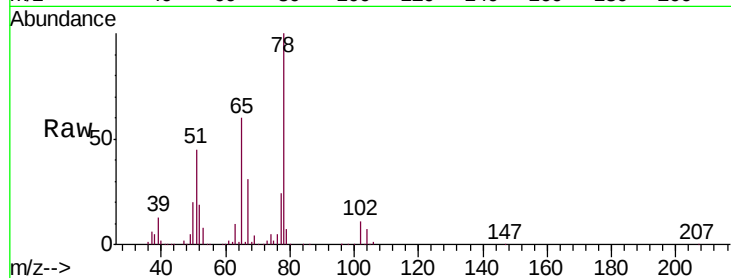
VSTDCCC050

Tgt Ion: 65 Resp: 149820

Ion Ratio Lower Upper

65 100

67 51.7 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: VW010772.D

Acq: 12 Jun 2019 10:59

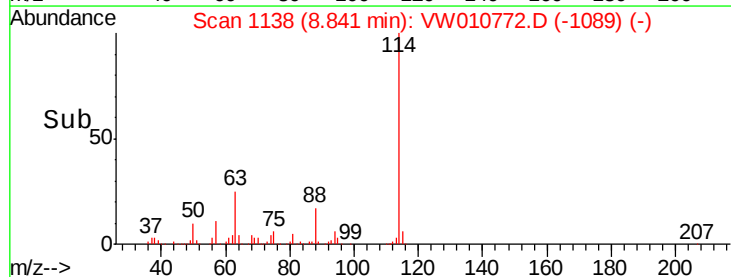
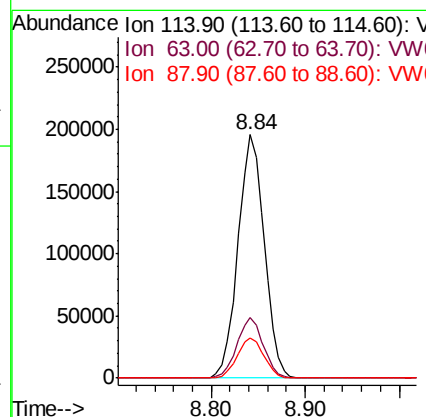
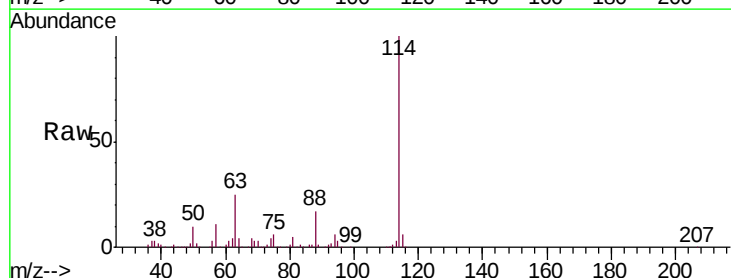
Tgt Ion: 114 Resp: 379334

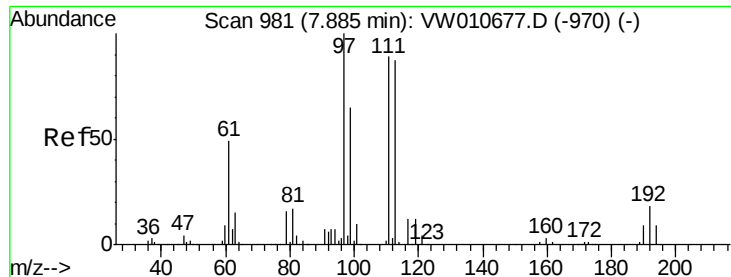
Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.4

88 16.6 0.0 32.2

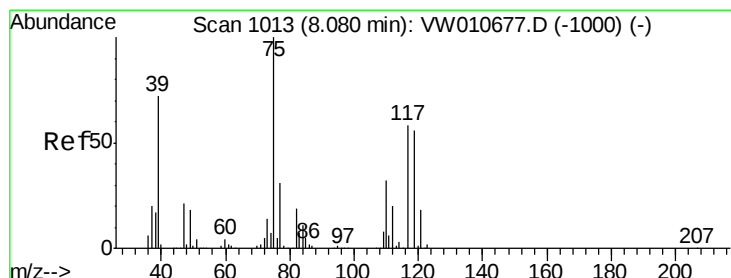
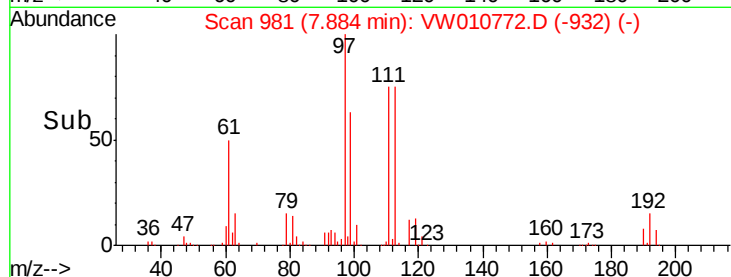
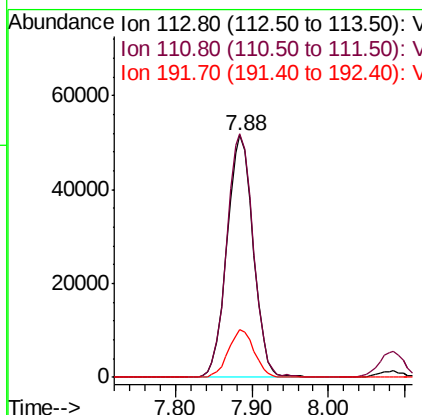
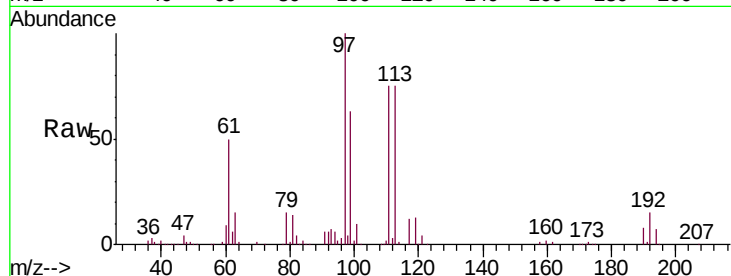




#35
 Dibromofluoromethane
 Concen: 59.277 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

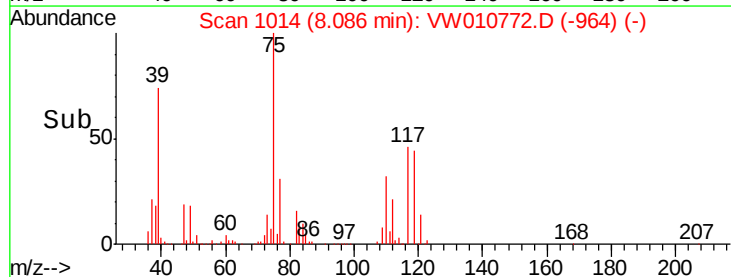
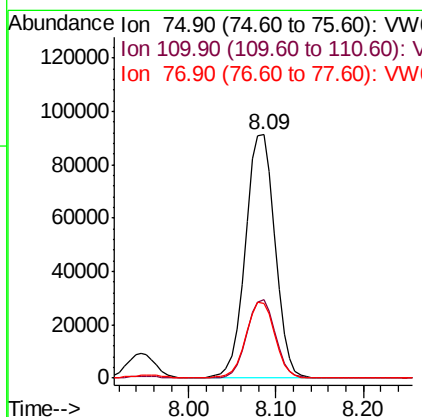
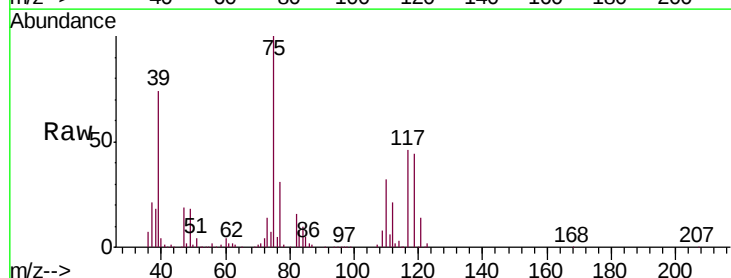
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

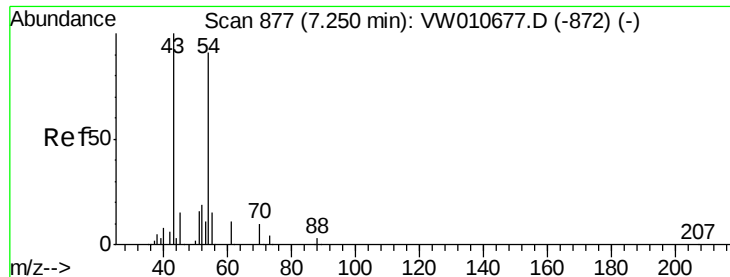
Tgt Ion: 113 Resp: 122048
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 19.3 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 55.201 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 75 Resp: 214342
 Ion Ratio Lower Upper
 75 100
 110 31.3 15.8 47.3
 77 30.7 24.7 37.1

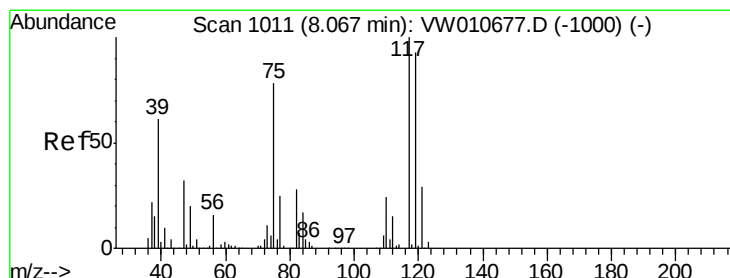
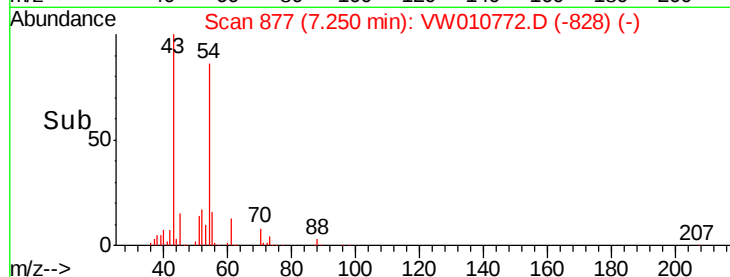
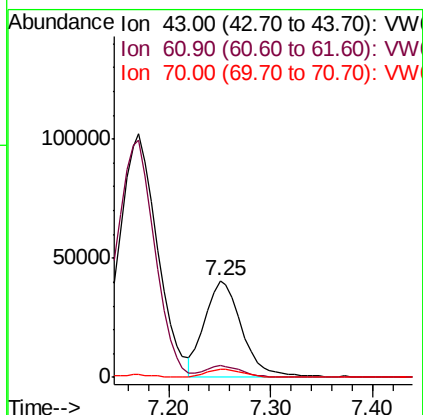
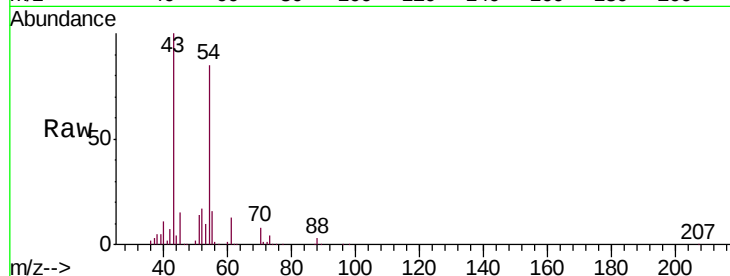




#37
Ethyl Acetate
Concen: 47.393 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

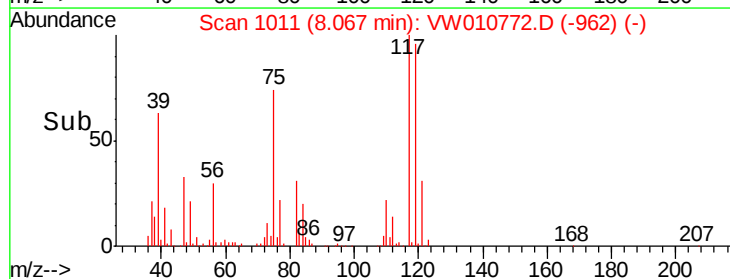
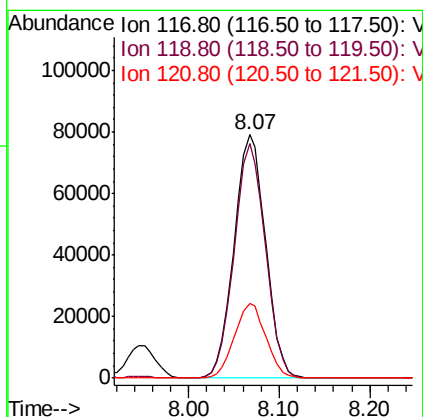
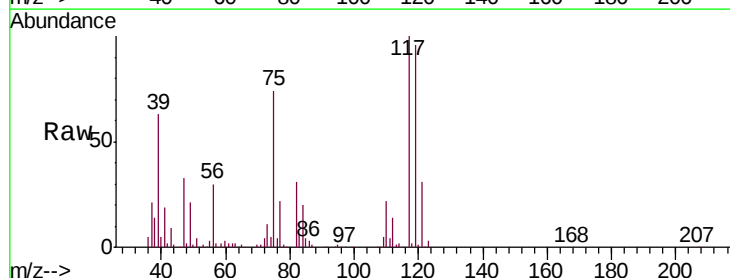
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

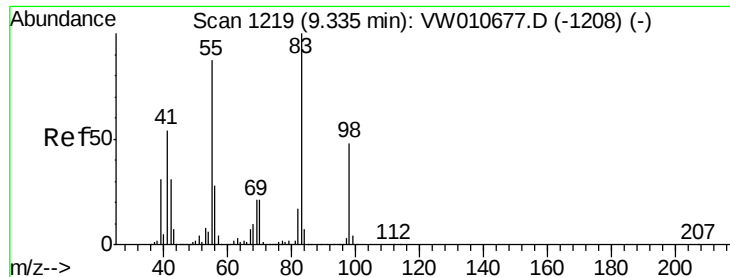
Tgt Ion: 43 Resp: 101974
Ion Ratio Lower Upper
43 100
61 11.5 9.7 14.5
70 8.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 56.869 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 117 Resp: 190620
Ion Ratio Lower Upper
117 100
119 96.1 74.2 111.4
121 30.7 22.9 34.3

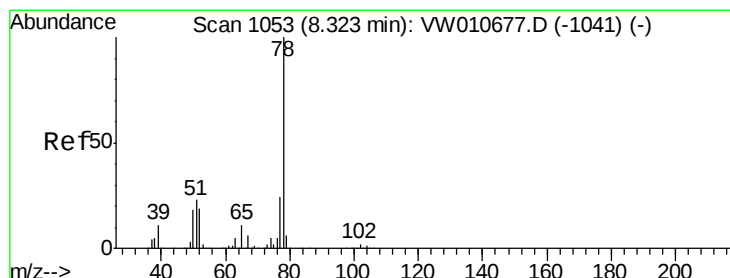
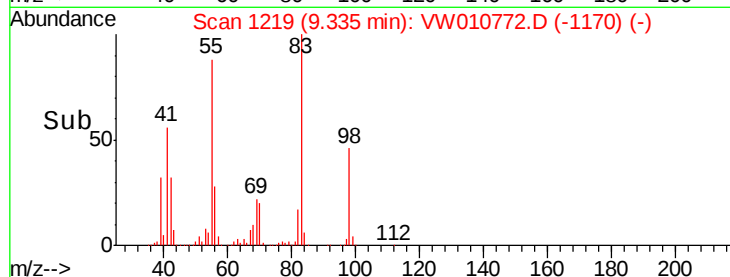
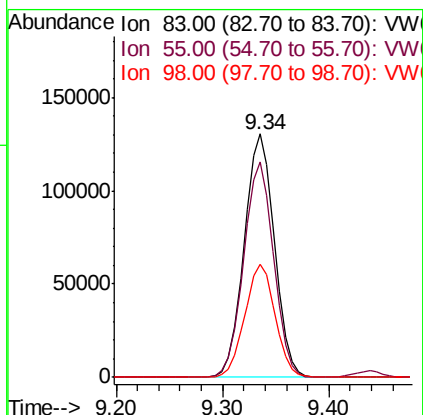
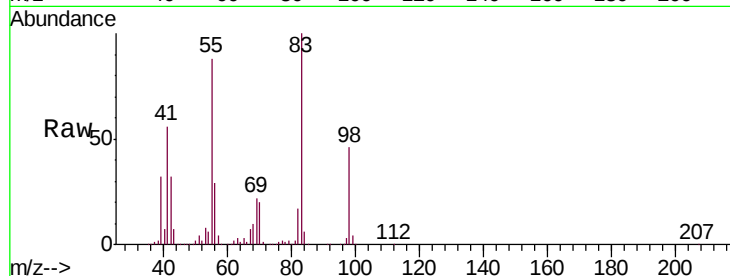




#39
Methylcyclohexane
Concen: 52.691 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

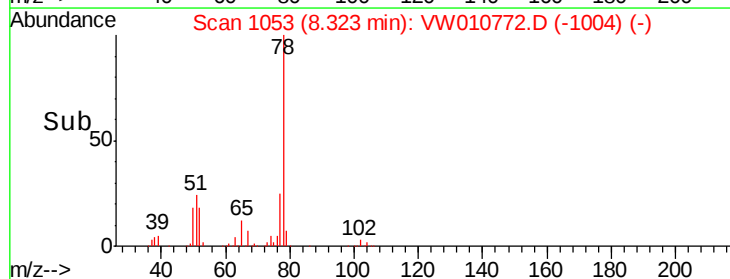
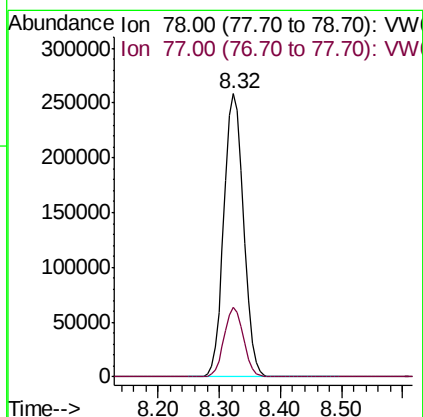
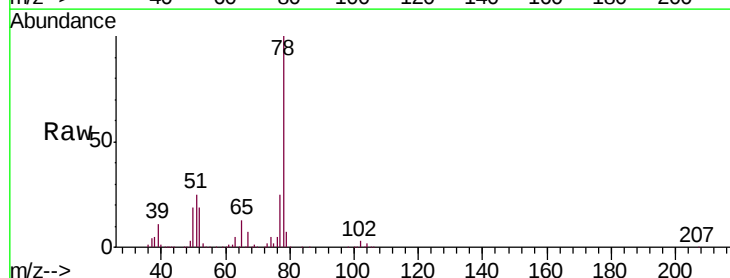
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

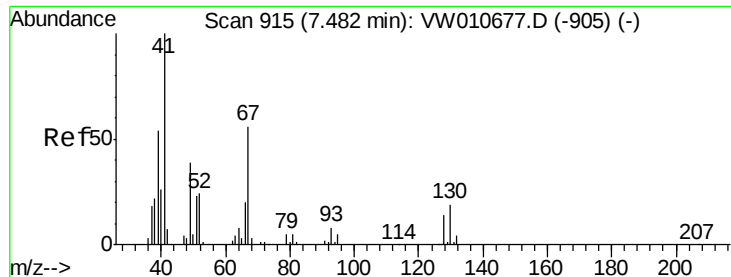
Tgt Ion: 83 Resp: 260088
Ion Ratio Lower Upper
83 100
55 88.4 70.0 105.0
98 46.4 38.1 57.1



#40
Benzene
Concen: 54.190 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 78 Resp: 574021
Ion Ratio Lower Upper
78 100
77 24.6 19.1 28.7





#41

Methacrylonitrile

Concen: 55.577 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 71081

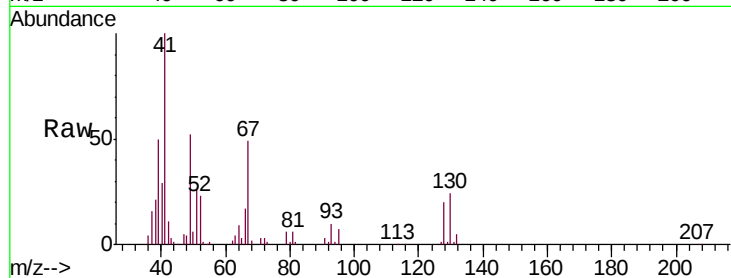
Ion Ratio Lower Upper

41 100

39 53.1 47.3 70.9

67 51.5 47.2 70.8

52 23.8 21.3 31.9



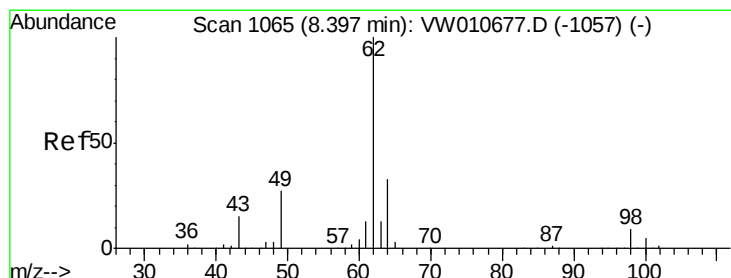
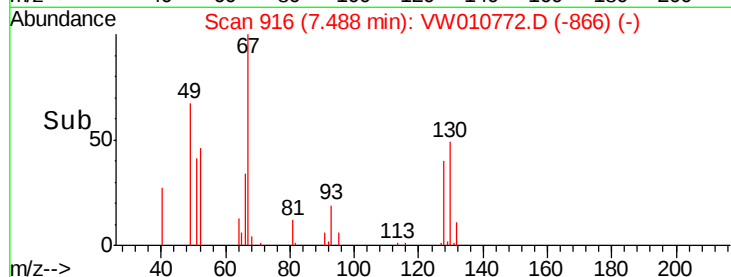
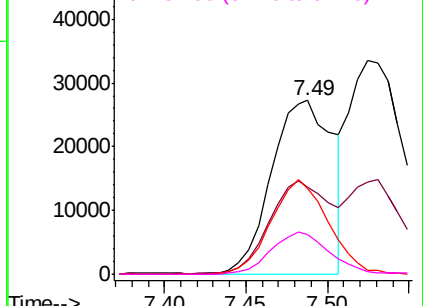
Abundance

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: 52.550 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010772.D

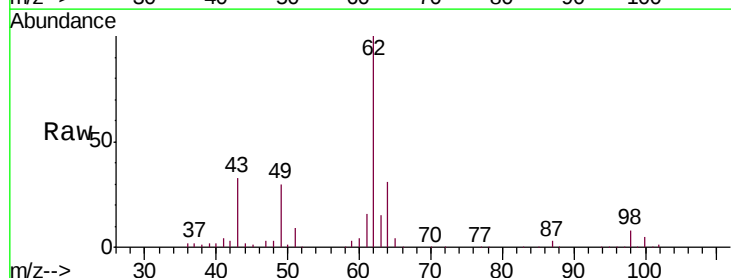
Acq: 12 Jun 2019 10:59

Tgt Ion: 62 Resp: 176669

Ion Ratio Lower Upper

62 100

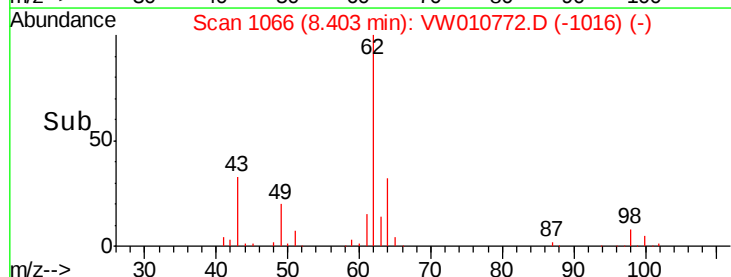
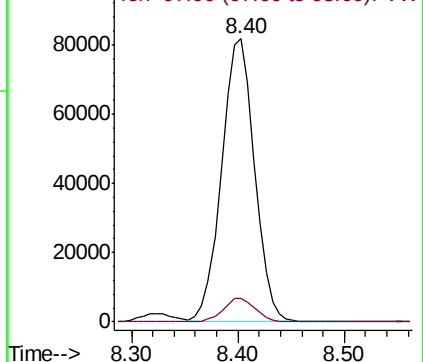
98 8.3 0.0 17.2

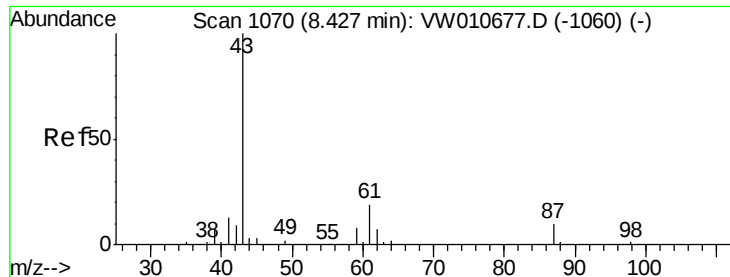


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 49.340 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

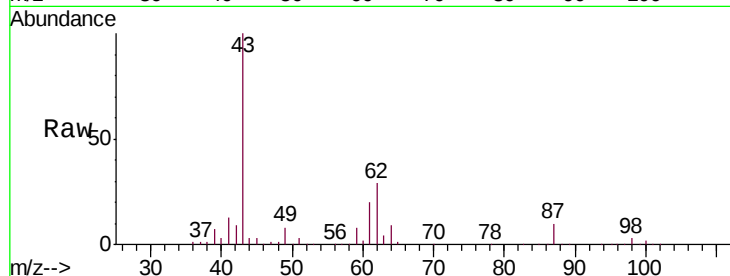
Tgt Ion: 43 Resp: 205102

Ion Ratio Lower Upper

43 100

61 26.4 21.2 31.8

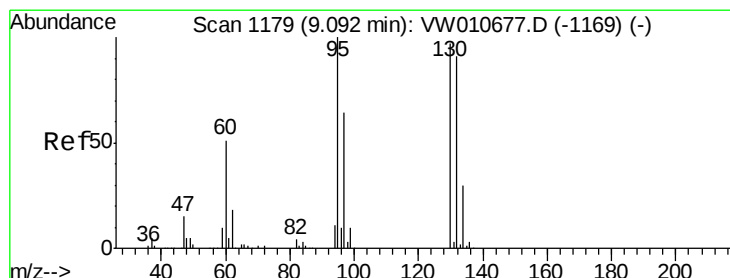
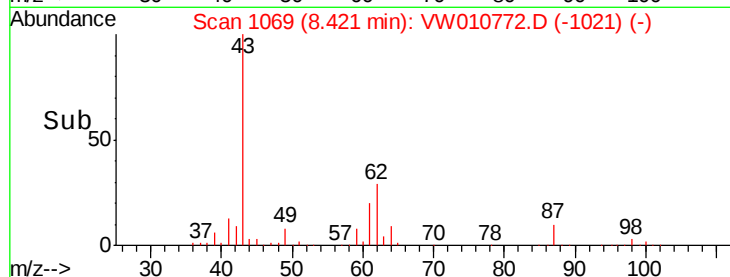
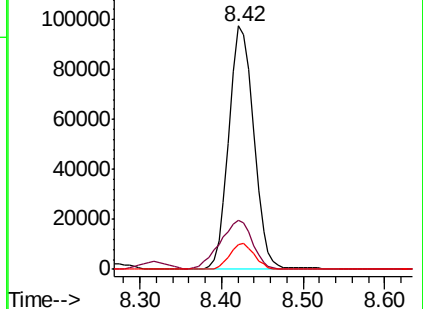
87 10.5 8.3 12.5



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: 53.864 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010772.D

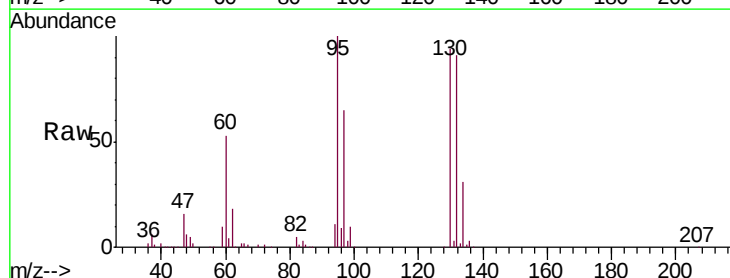
Acq: 12 Jun 2019 10:59

Tgt Ion: 130 Resp: 140747

Ion Ratio Lower Upper

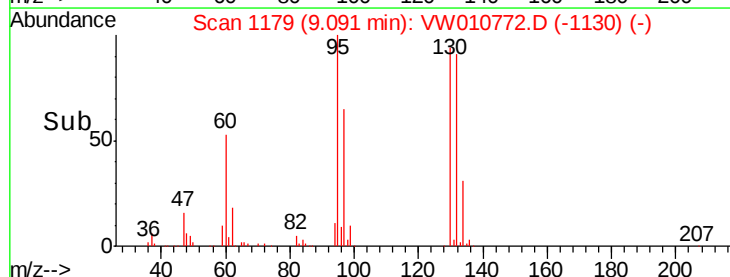
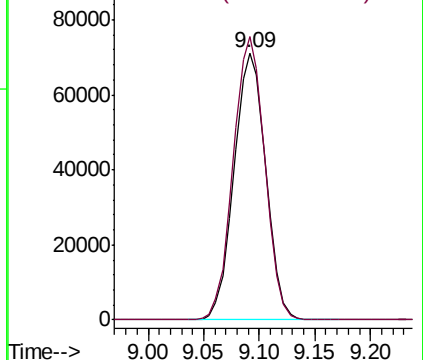
130 100

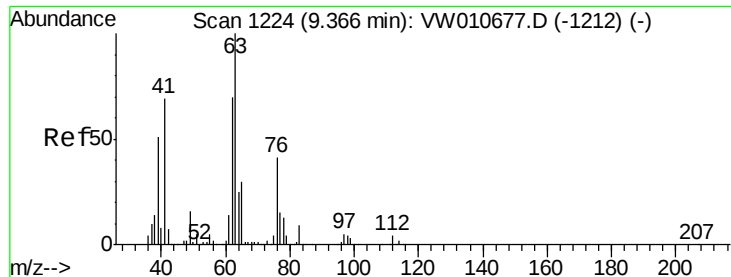
95 106.0 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

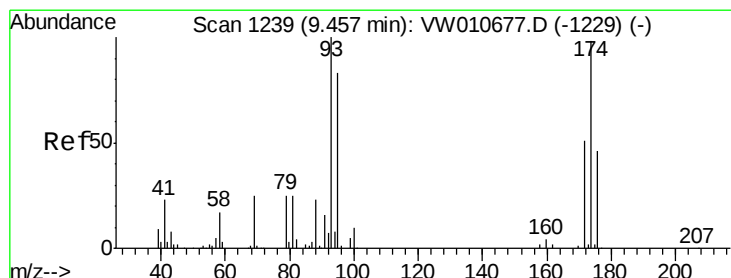
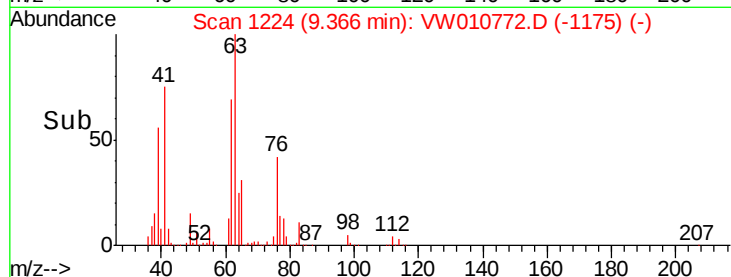
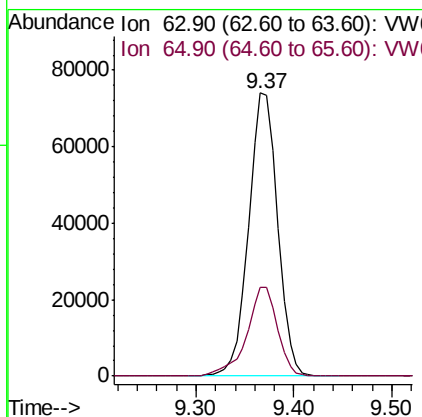
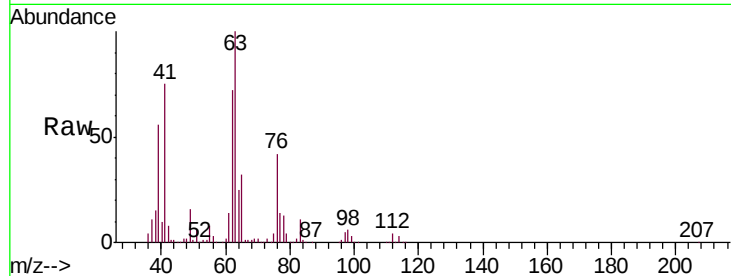




#45
 1,2-Dichloropropane
 Concen: 54.234 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

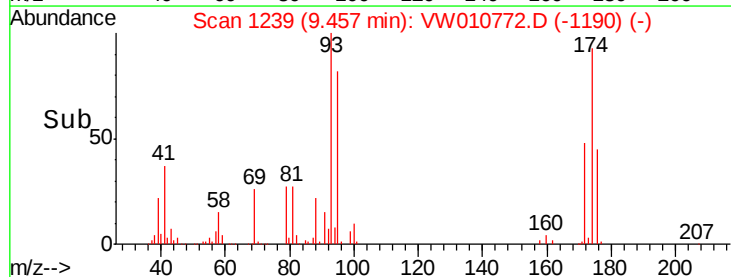
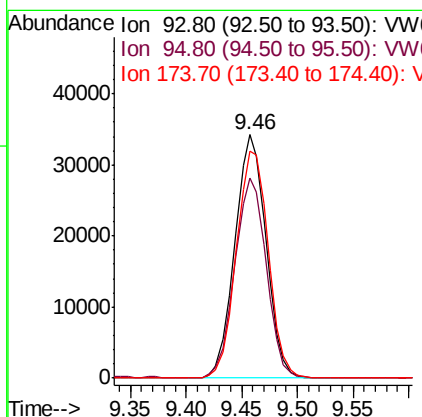
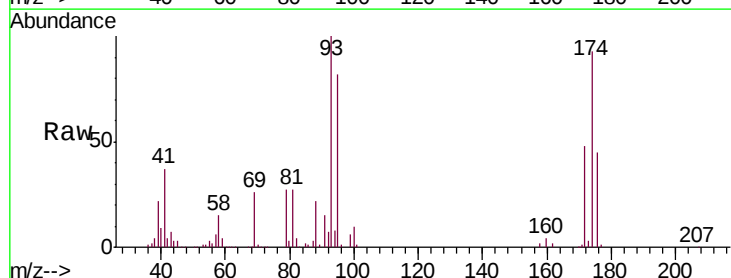
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

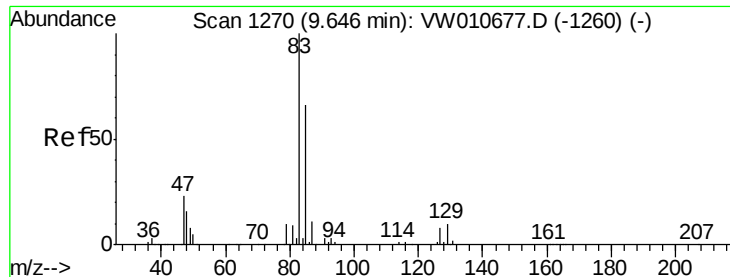
Tgt Ion: 63 Resp: 152075
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.8 35.6



#46
 Dibromomethane
 Concen: 50.909 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 93 Resp: 66305
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.8
 174 95.8 77.4 116.0





#47

Bromodichloromethane

Concen: 55.218 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

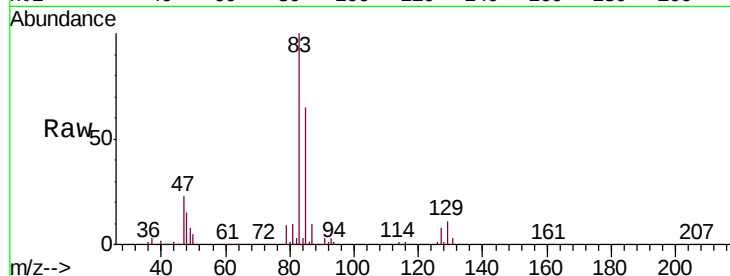
Tgt Ion: 83 Resp: 186419

Ion Ratio Lower Upper

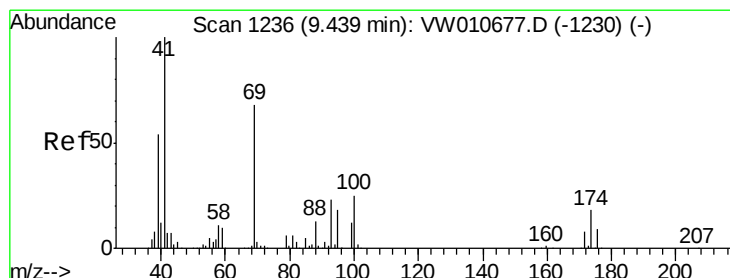
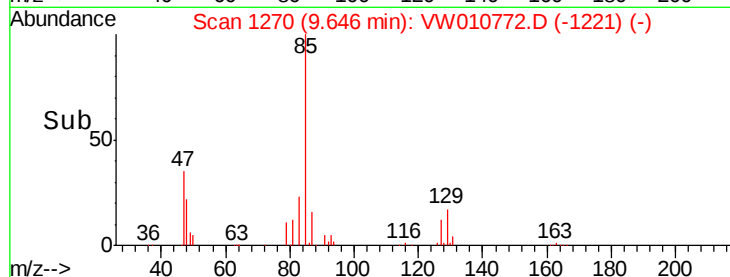
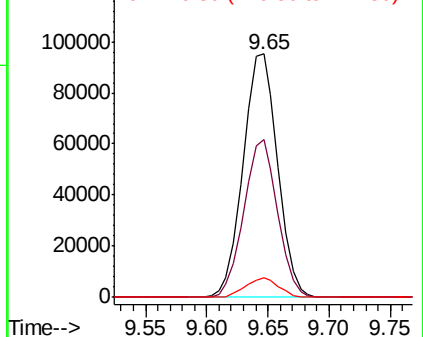
83 100

85 64.7 53.0 79.4

127 7.9 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: 53.817 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

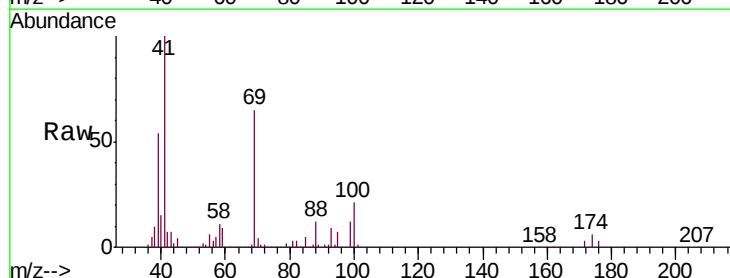
Tgt Ion: 41 Resp: 107863

Ion Ratio Lower Upper

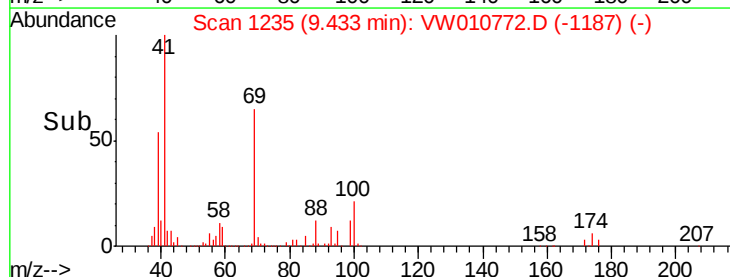
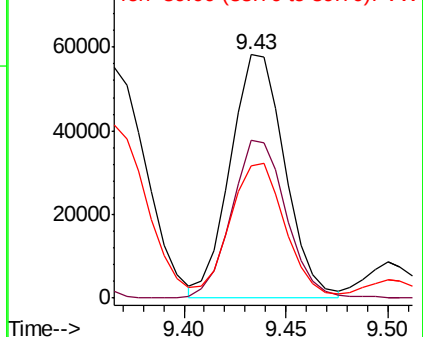
41 100

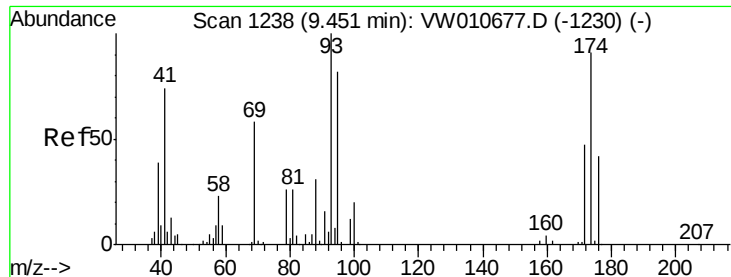
69 65.3 56.6 85.0

39 52.2 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: 1078.299 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

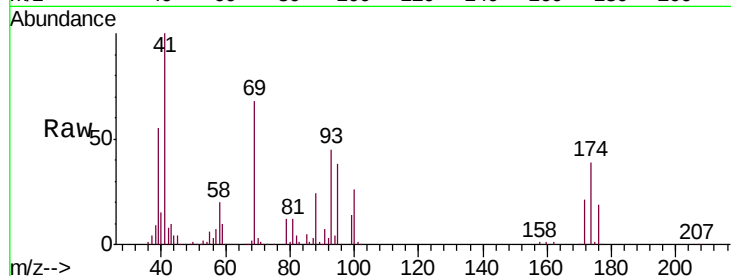
Tgt Ion: 88 Resp: 21957

Ion Ratio Lower Upper

88 100

43 42.4 34.2 51.4

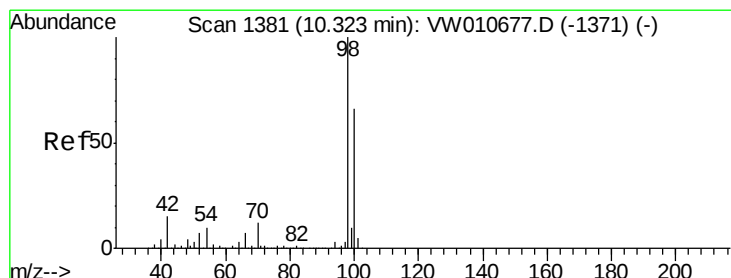
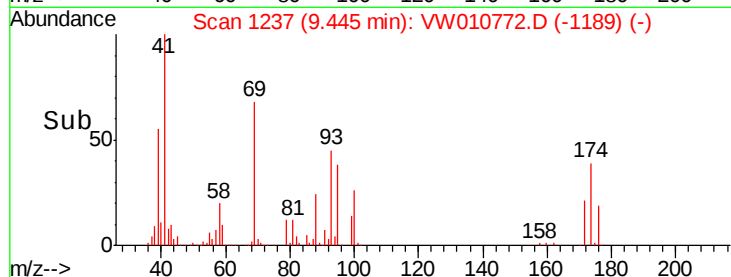
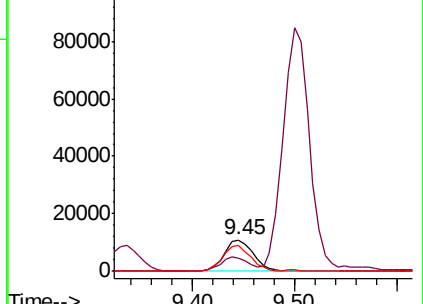
58 79.8 69.0 103.4



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: 56.528 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010772.D

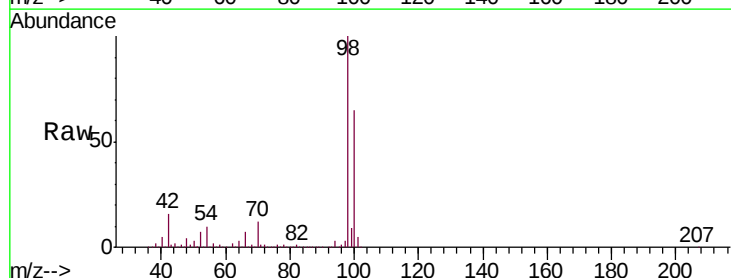
Acq: 12 Jun 2019 10:59

Tgt Ion: 98 Resp: 510378

Ion Ratio Lower Upper

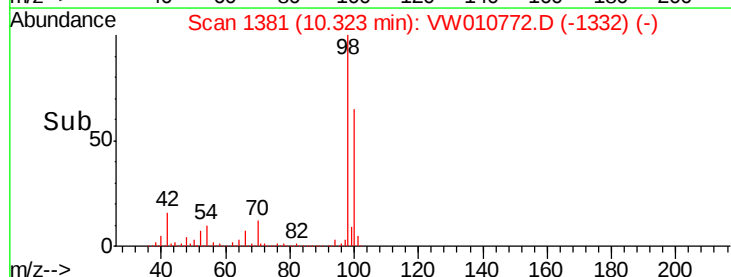
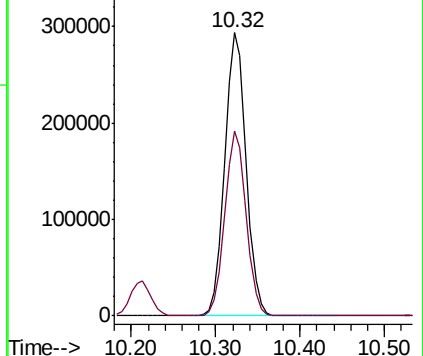
98 100

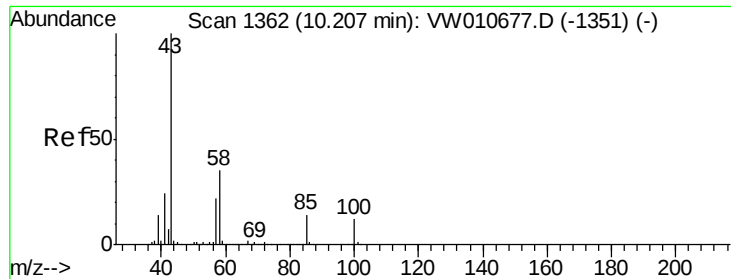
100 65.1 53.0 79.6



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: 244.311 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

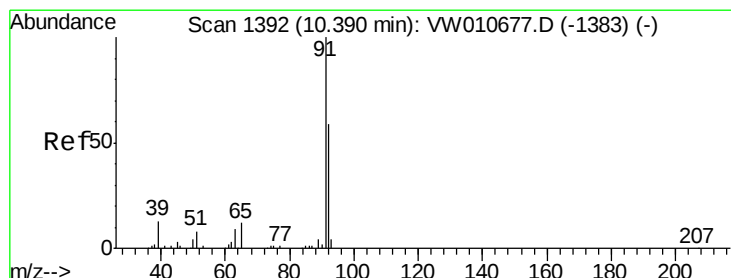
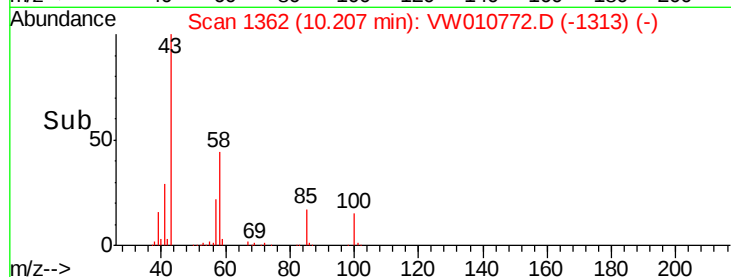
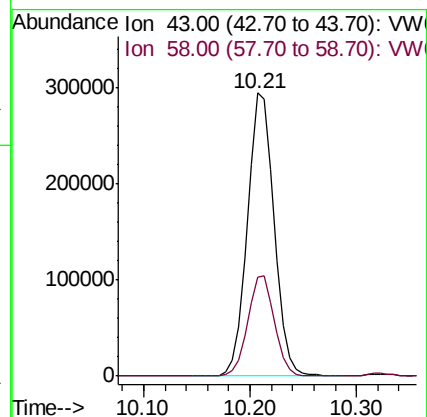
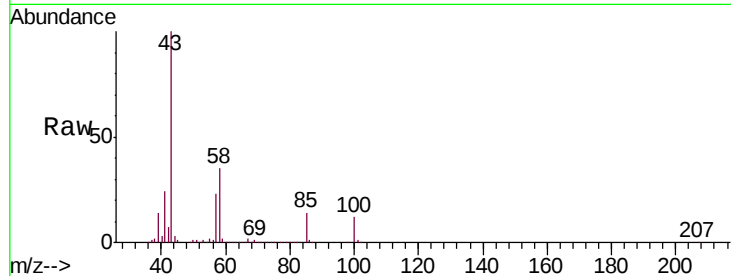
VSTDCCC050

Tgt Ion: 43 Resp: 518831

Ion Ratio Lower Upper

43 100

58 35.4 28.4 42.6



#52

Toluene

Concen: 54.444 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010772.D

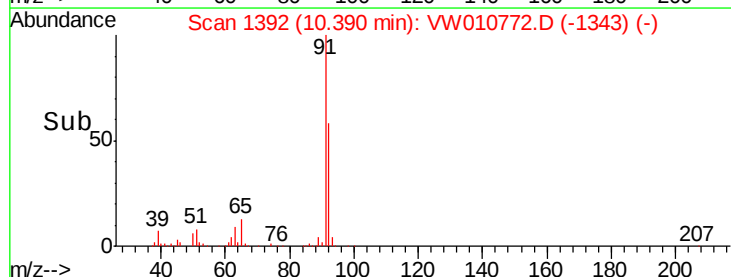
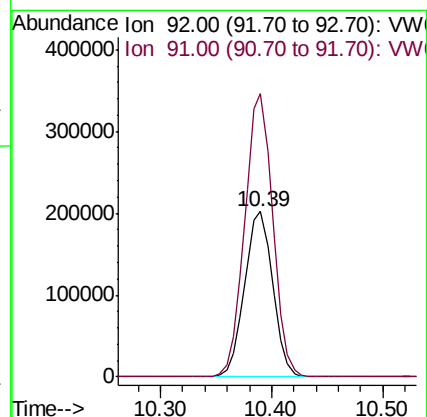
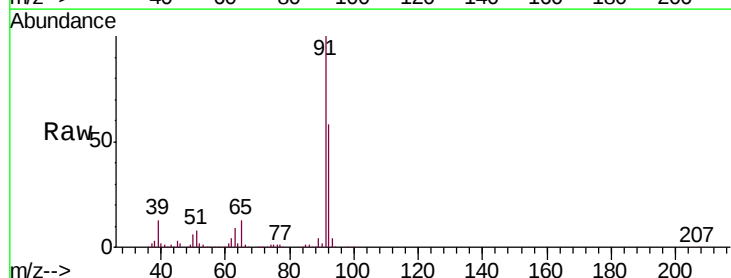
Acq: 12 Jun 2019 10:59

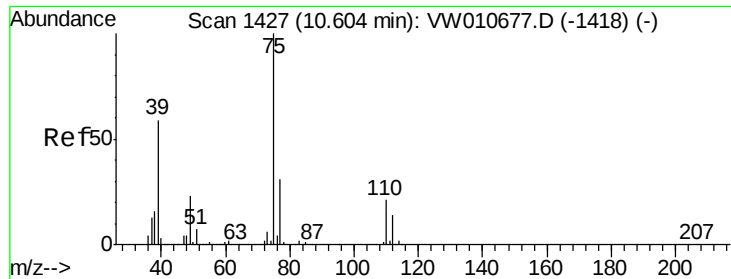
Tgt Ion: 92 Resp: 354841

Ion Ratio Lower Upper

92 100

91 170.6 134.9 202.3

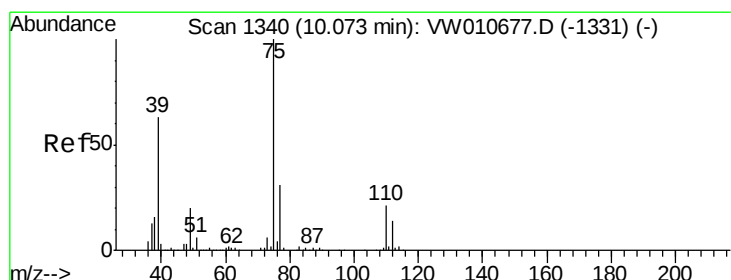
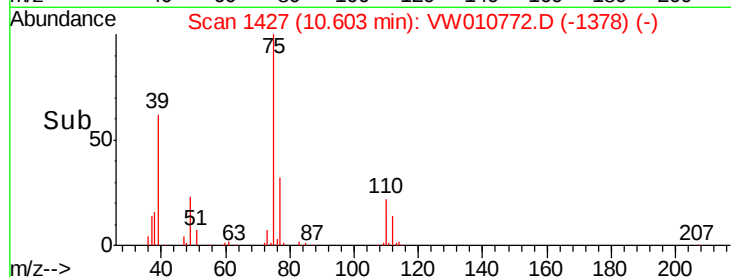
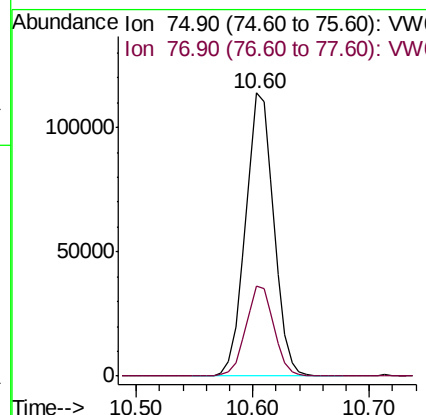
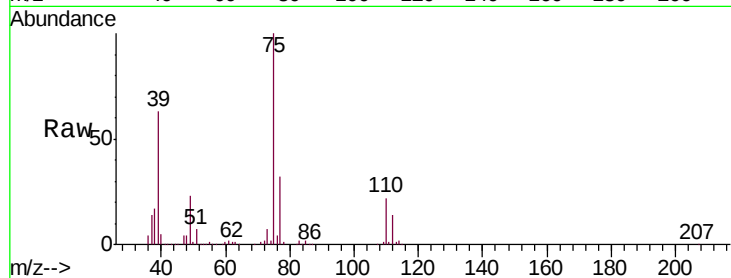




#53
 t-1,3-Dichloropropene
 Concen: 53.987 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

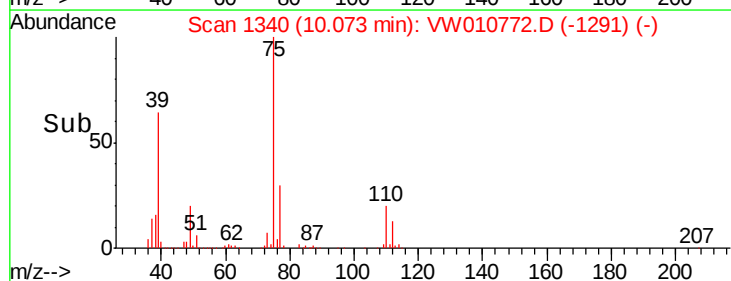
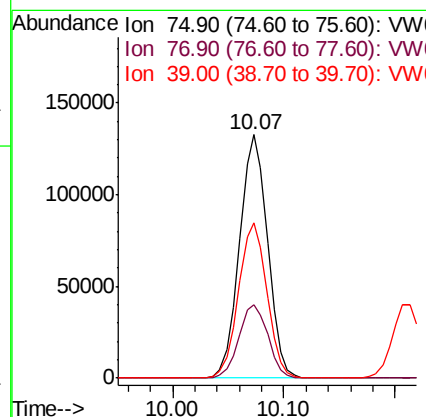
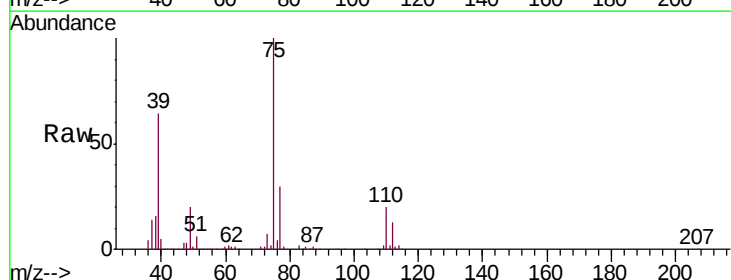
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

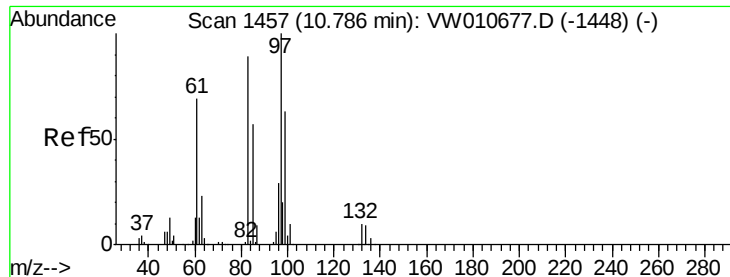
Tgt Ion: 75 Resp: 193053
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 36.8



#54
 cis-1,3-Dichloropropene
 Concen: 55.058 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 75 Resp: 231676
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.2 37.8
 39 63.5 50.1 75.1

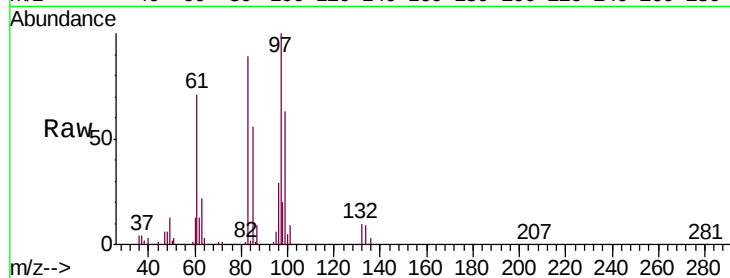




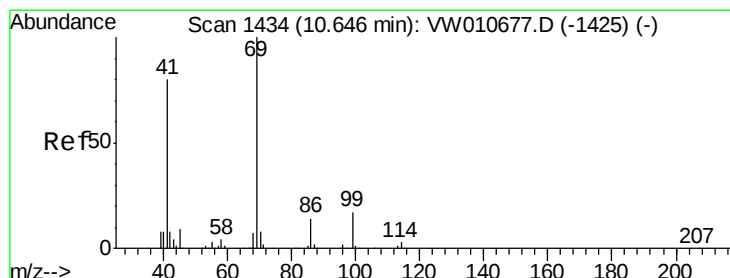
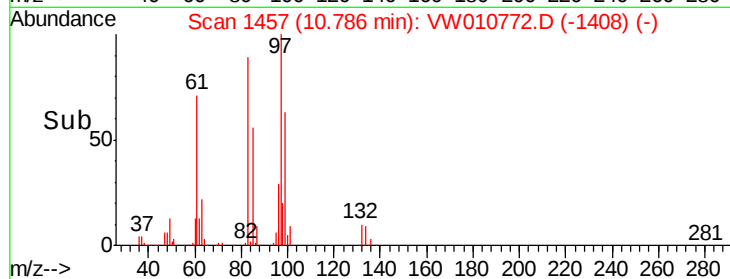
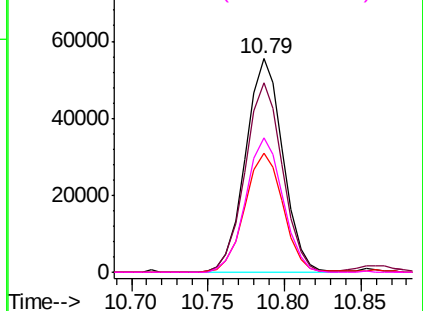
#55
 1,1,2-Trichloroethane
 Concen: 50.401 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 94565
 Ion Ratio Lower Upper
 97 100
 83 88.6 71.1 106.7
 85 55.6 45.2 67.8
 99 62.7 50.0 75.0

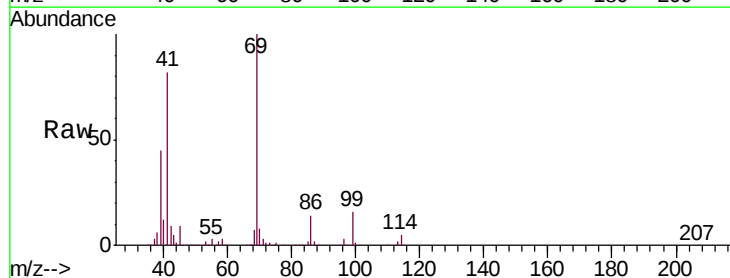


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

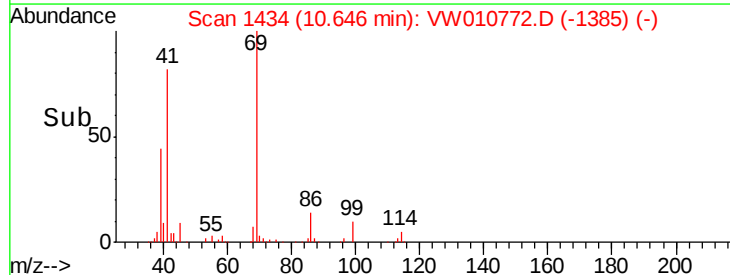
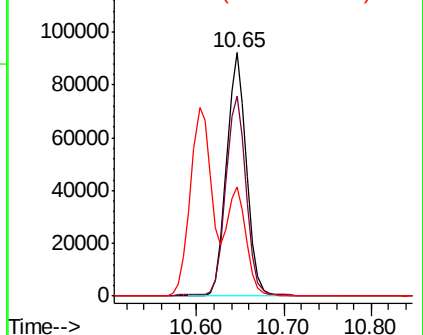


#56
 Ethyl methacrylate
 Concen: 50.350 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 69 Resp: 145363
 Ion Ratio Lower Upper
 69 100
 41 83.4 64.8 97.2
 39 42.3 32.2 48.2



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

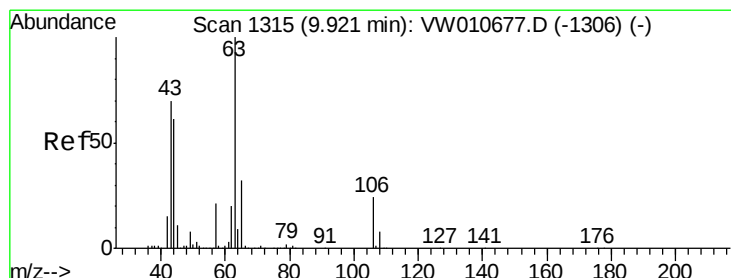
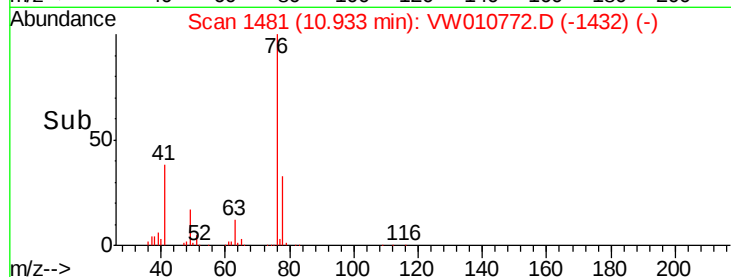
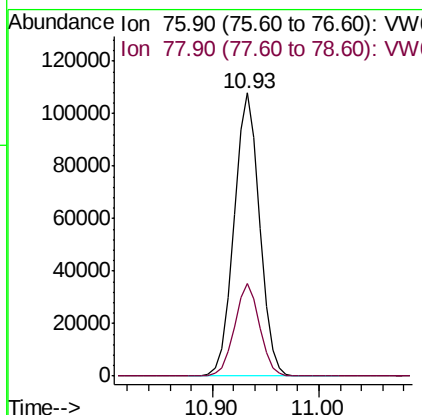
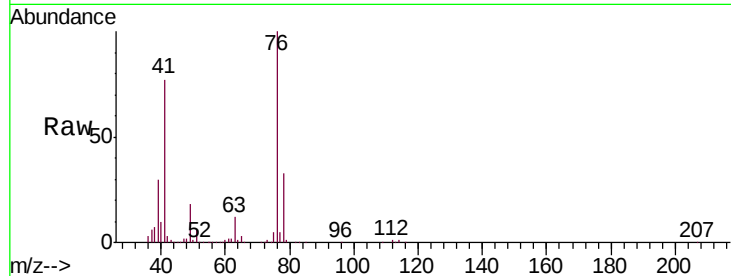




#57
 1,3-Dichloropropane
 Concen: 51.311 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

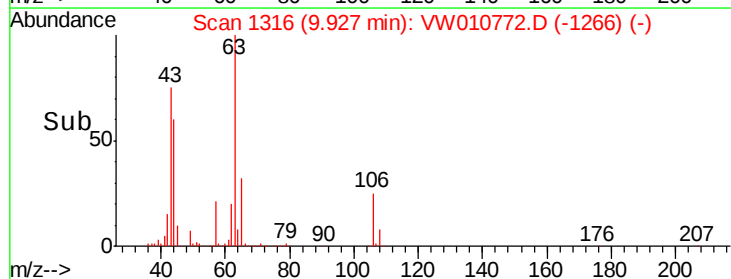
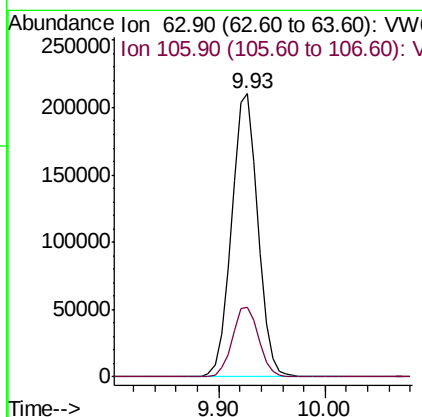
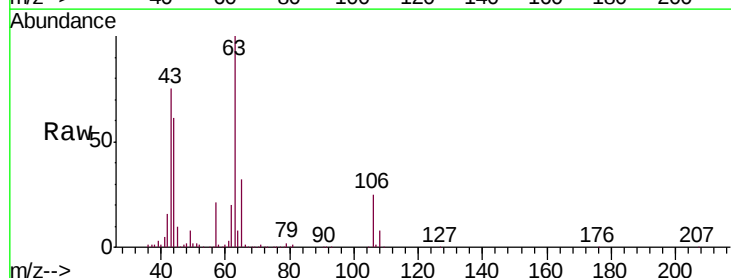
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

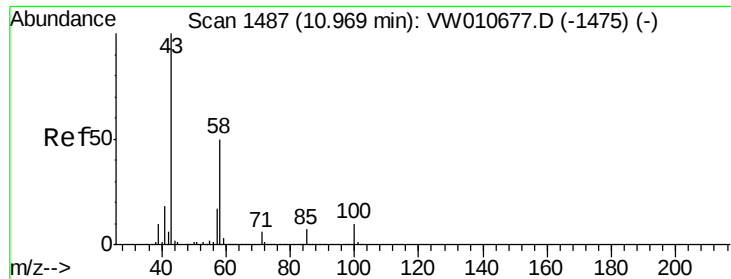
Tgt Ion: 76 Resp: 181429
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.034 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 63 Resp: 364487
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.1 30.1

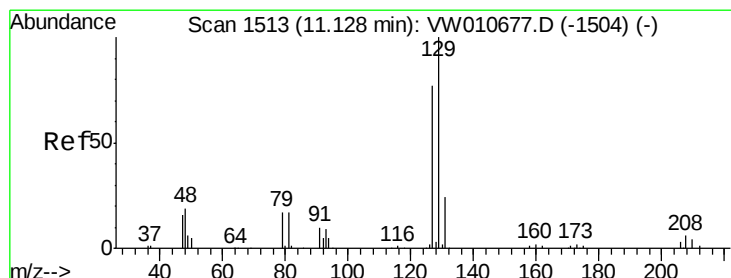
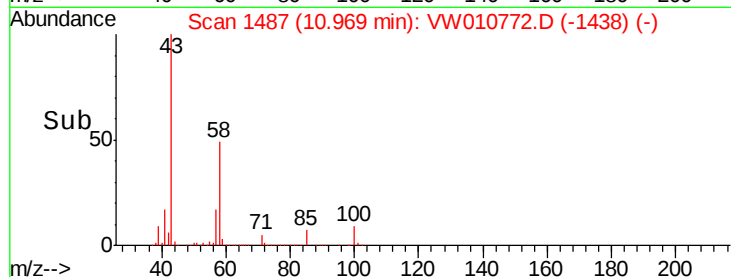
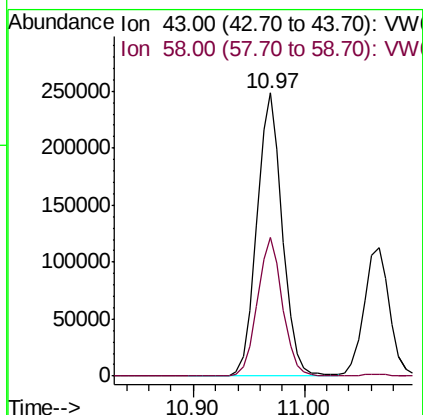
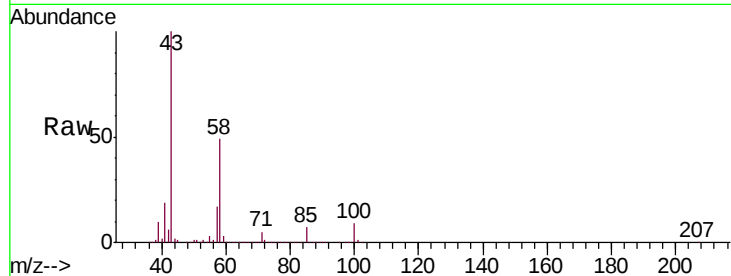




#59
2-Hexanone
Concen: 257.216 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

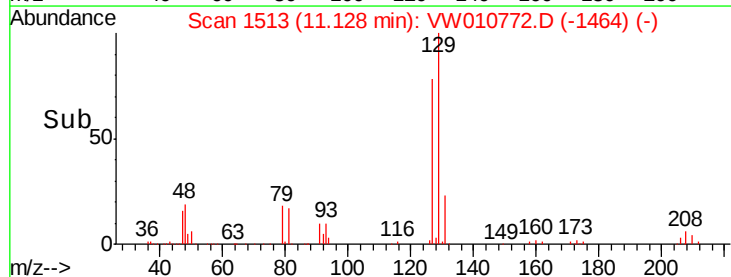
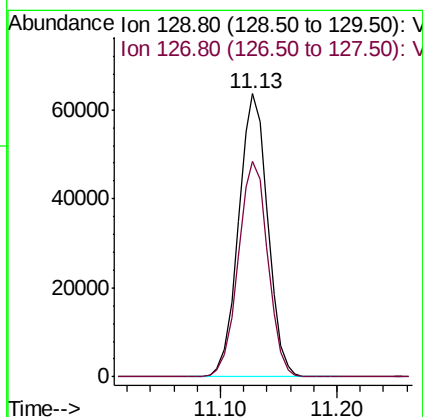
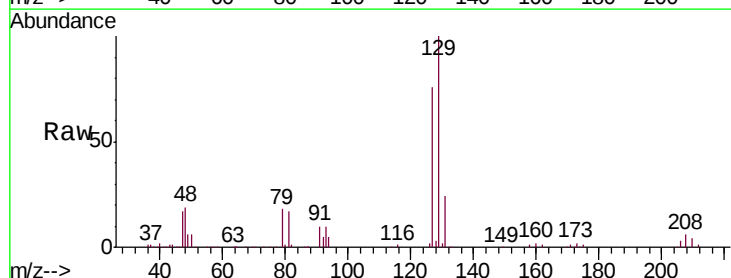
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

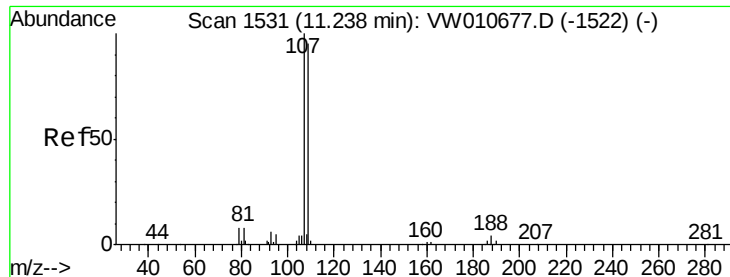
Tgt Ion: 43 Resp: 394778
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.6



#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion: 129 Resp: 110824
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0

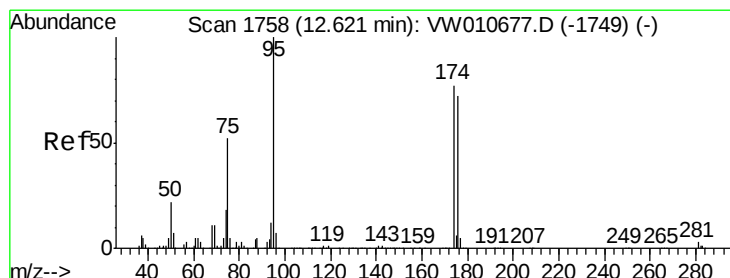
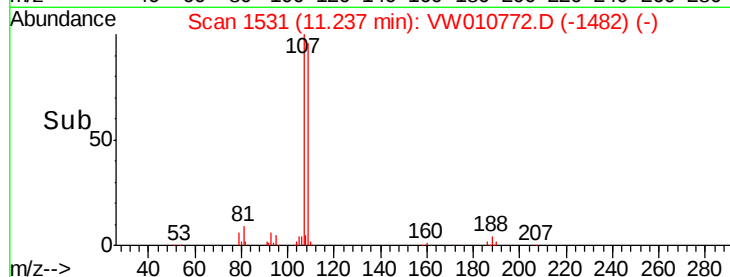
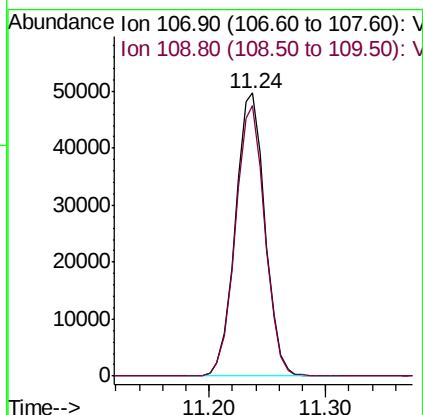
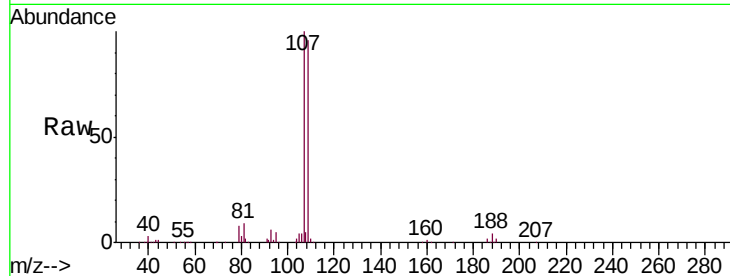




#61
 1,2-Dibromoethane
 Concen: 49.433 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

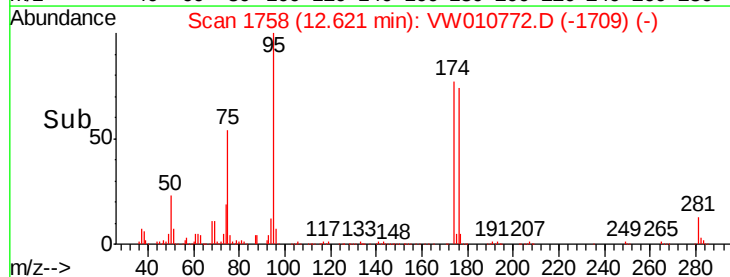
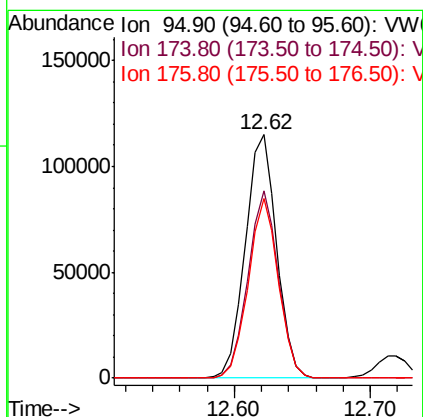
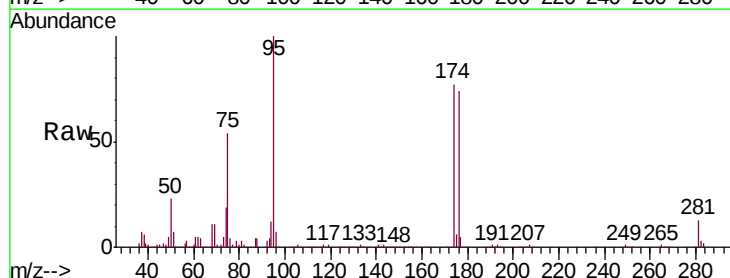
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 87876
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 56.428 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion: 95 Resp: 185391
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 150.4
 176 71.1 0.0 144.8

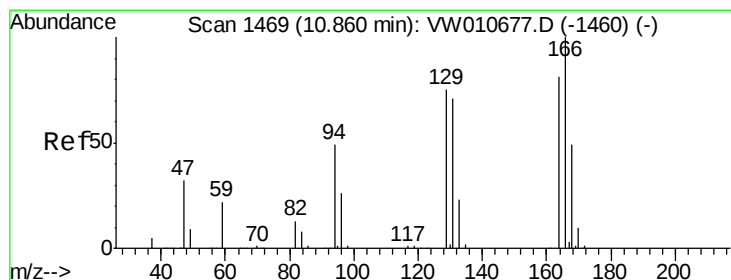
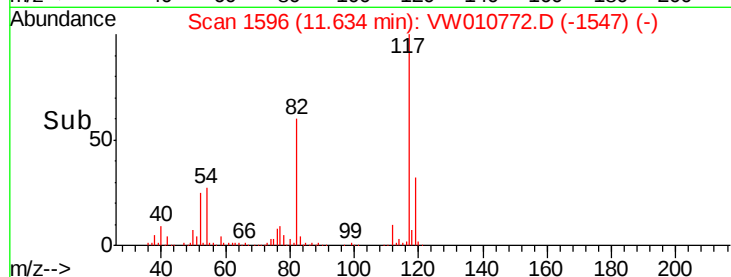
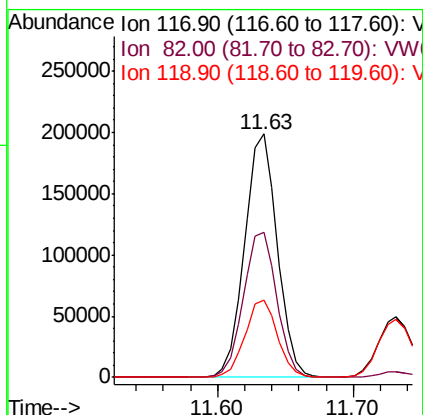
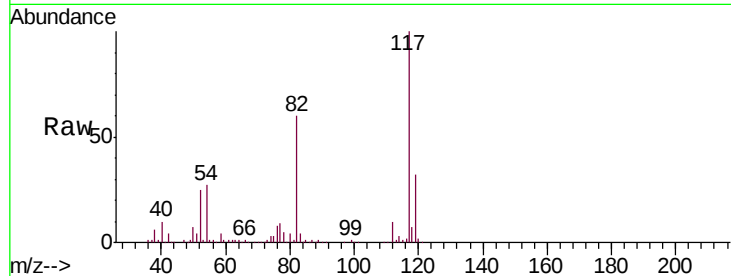




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

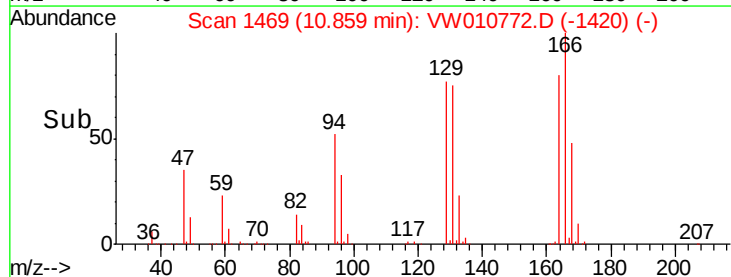
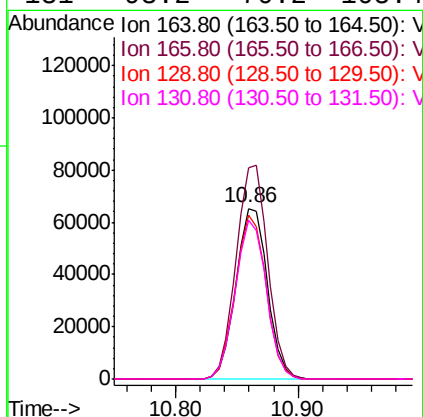
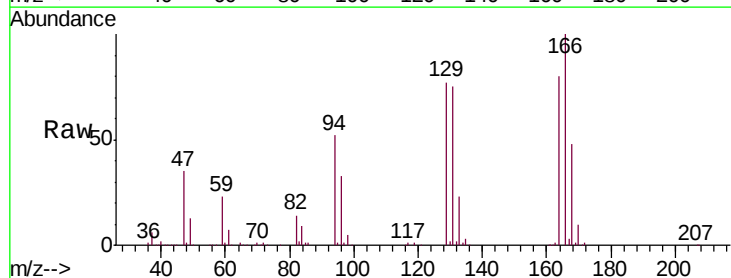
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

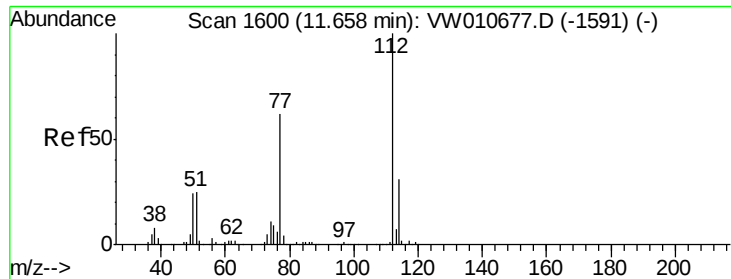
Tgt Ion:117 Resp: 333855
Ion Ratio Lower Upper
117 100
82 59.8 47.0 70.4
119 31.6 25.1 37.7



#64
Tetrachloroethene
Concen: 52.305 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion:164 Resp: 115943
Ion Ratio Lower Upper
164 100
166 124.3 99.2 148.8
129 96.1 74.6 112.0
131 93.2 70.2 105.4

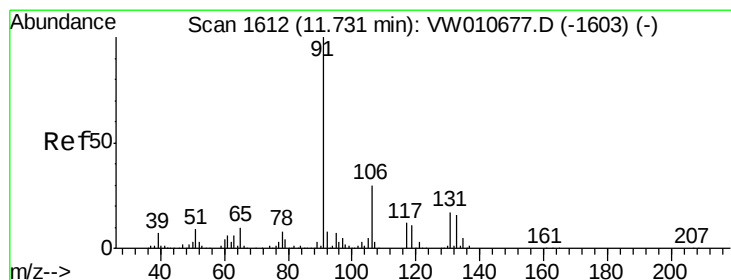
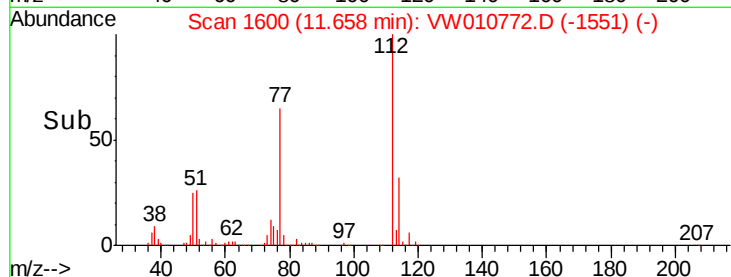
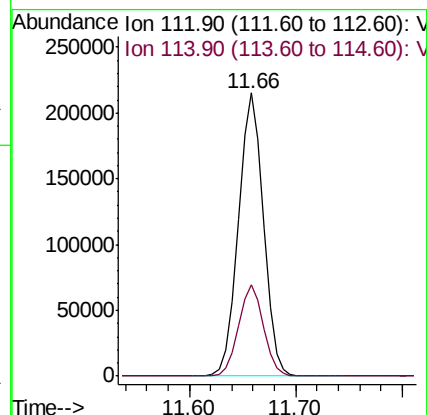
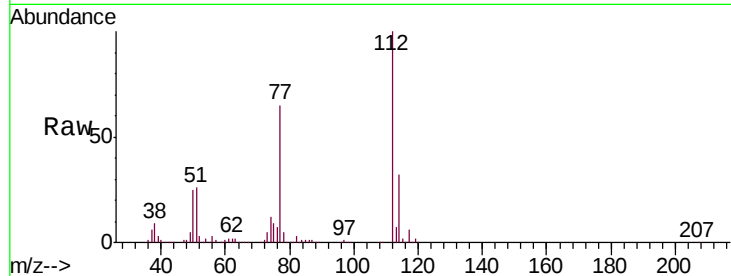




#65
Chlorobenzene
Concen: 54.026 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

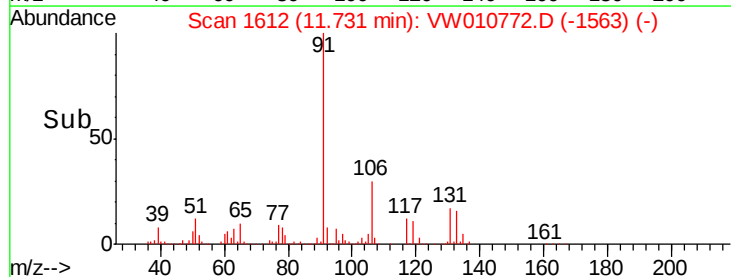
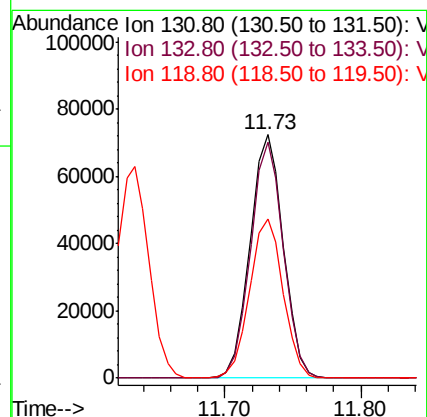
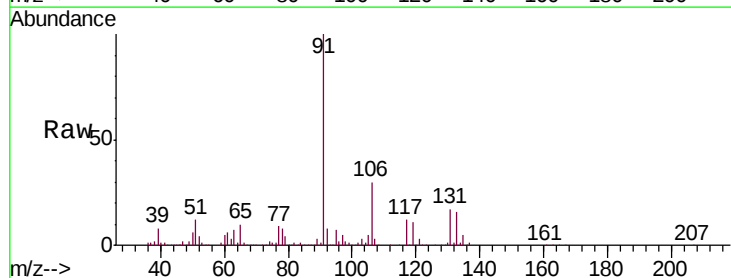
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

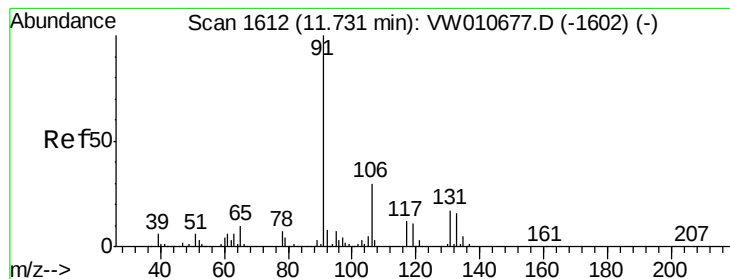
Tgt Ion:112 Resp: 354690
Ion Ratio Lower Upper
112 100
114 32.1 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.604 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion:131 Resp: 124097
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 65.8 32.4 97.0





#67

Ethyl Benzene

Concen: 55.157 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

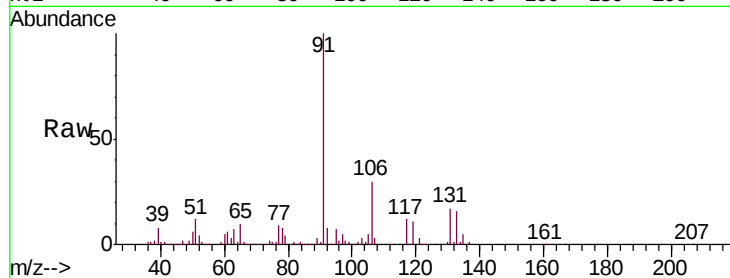
VSTDCCC050

Tgt Ion: 91 Resp: 695935

Ion Ratio Lower Upper

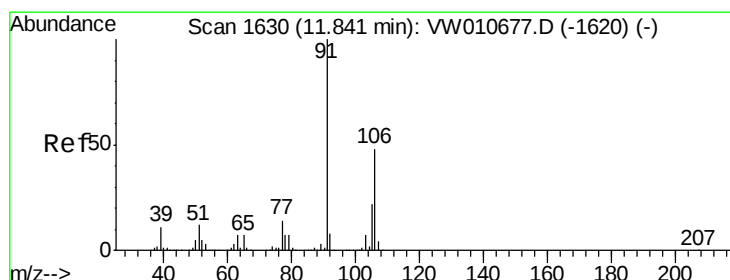
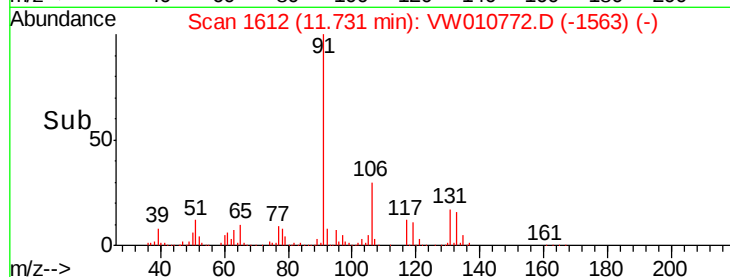
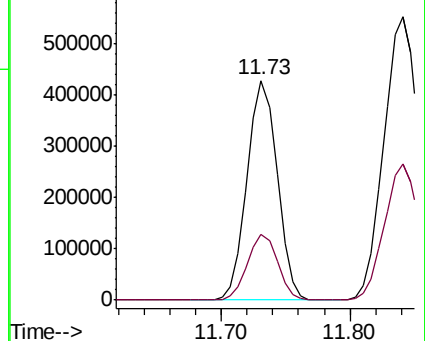
91 100

106 30.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 110.491 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010772.D

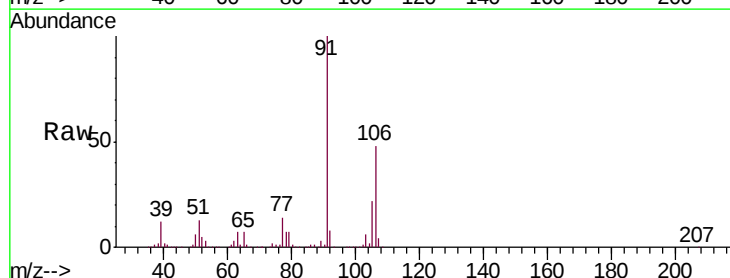
Acq: 12 Jun 2019 10:59

Tgt Ion: 106 Resp: 499054

Ion Ratio Lower Upper

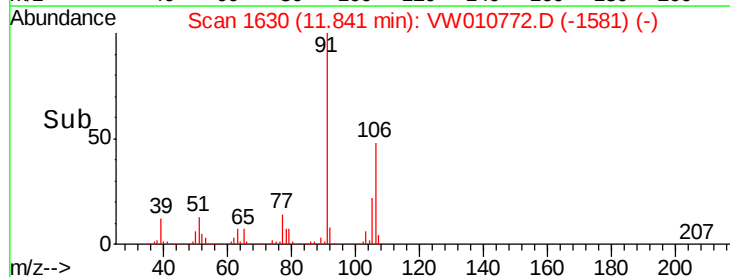
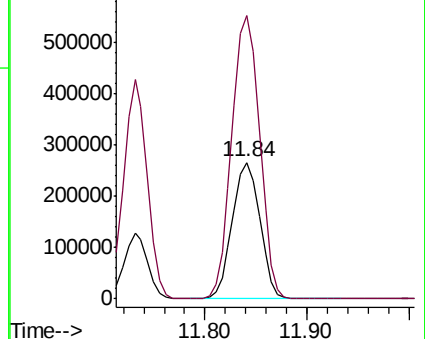
106 100

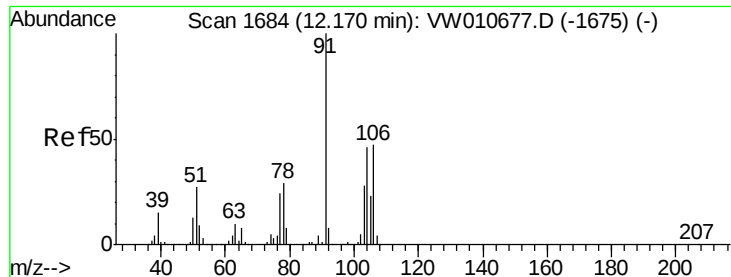
91 209.9 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

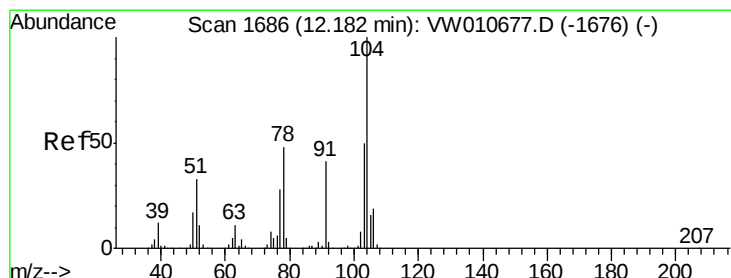
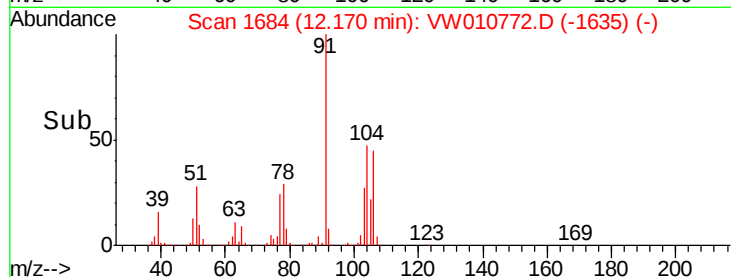
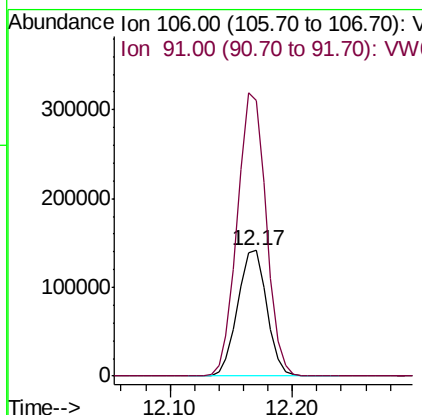
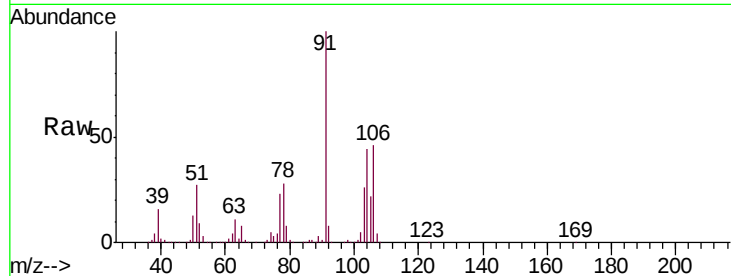




#69
o-Xylene
Concen: 54.676 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

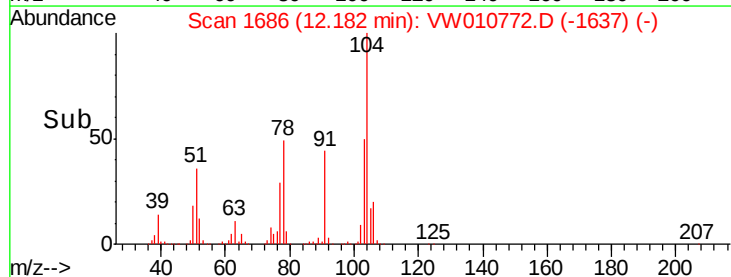
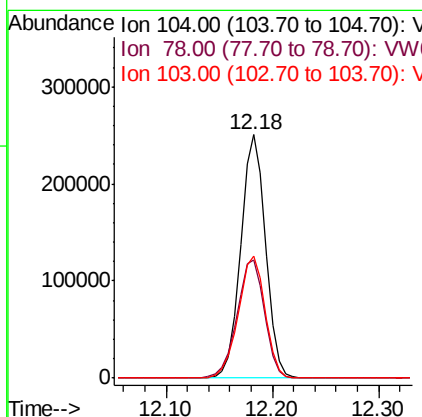
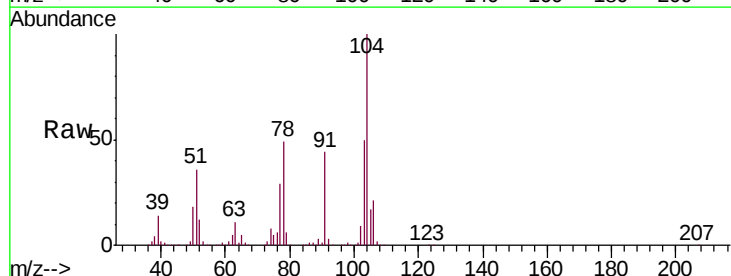
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

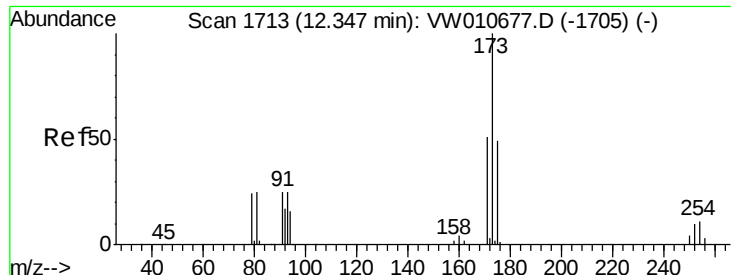
Tgt Ion:106 Resp: 234218
Ion Ratio Lower Upper
106 100
91 223.2 108.9 326.6



#70
Styrene
Concen: 54.972 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion:104 Resp: 409069
Ion Ratio Lower Upper
104 100
78 53.9 42.7 64.1
103 54.0 43.6 65.4

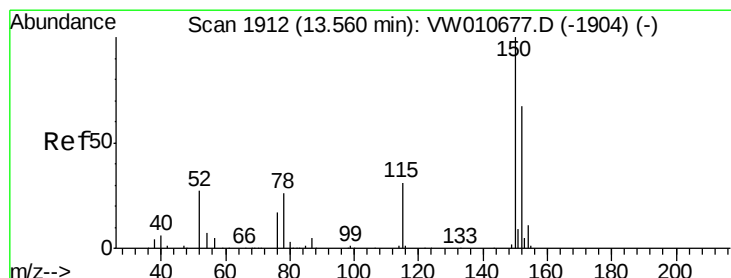
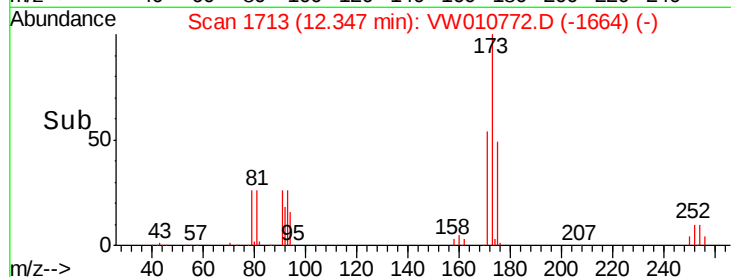
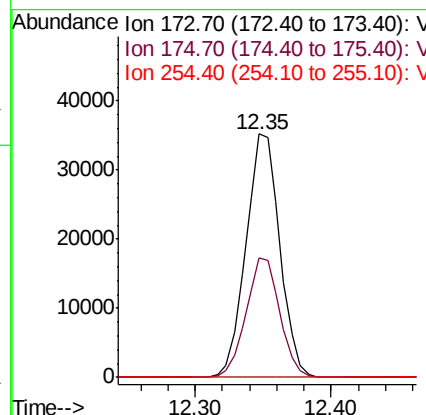
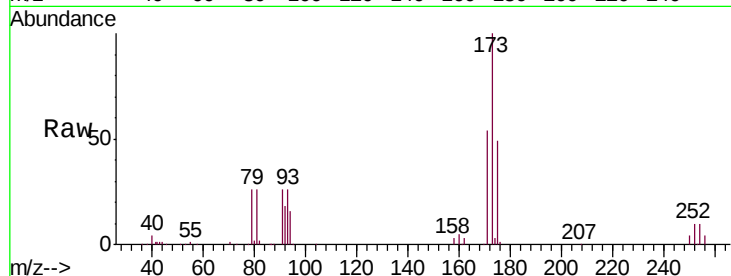




#71
Bromoform
Concen: 52.182 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

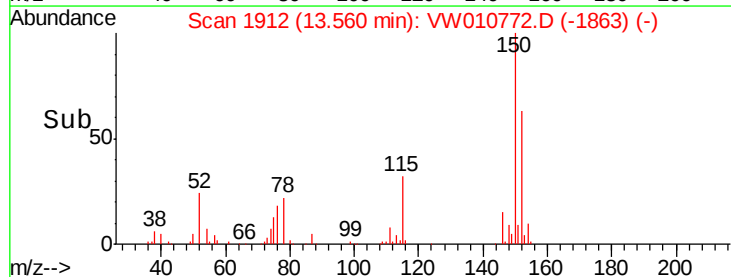
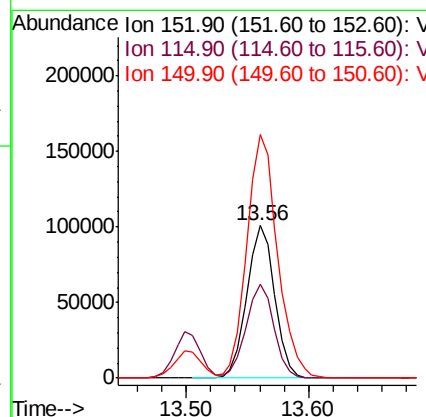
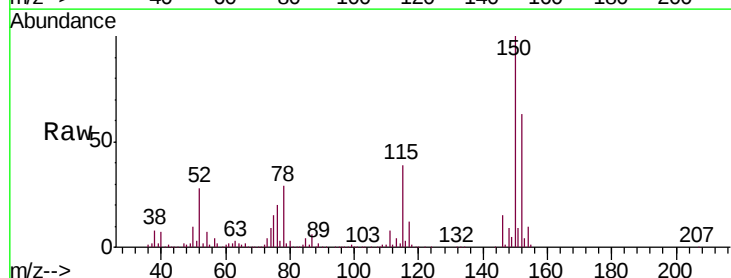
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

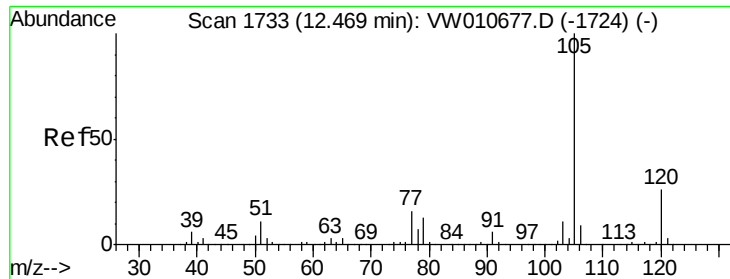
Tgt Ion:173 Resp: 61333
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion:152 Resp: 159099
Ion Ratio Lower Upper
152 100
115 61.3 29.8 89.3
150 176.4 0.0 345.0





#73

Isopropylbenzene

Concen: 55.191 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

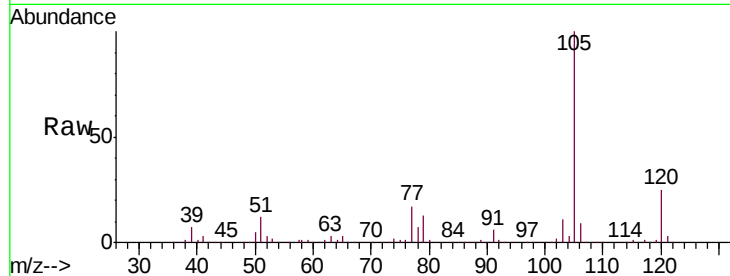
VSTDCCC050

Tgt Ion: 105 Resp: 659840

Ion Ratio Lower Upper

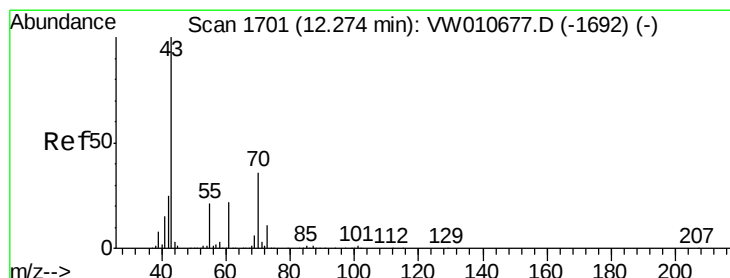
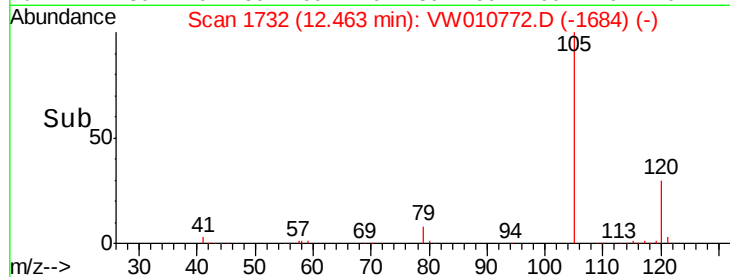
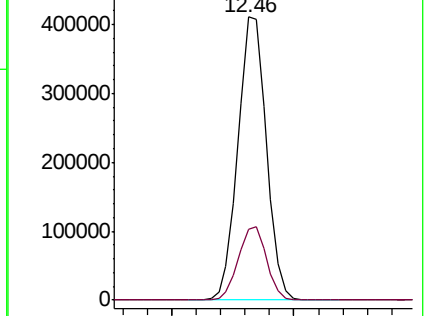
105 100

120 25.9 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.519 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Tgt Ion: 43 Resp: 199066

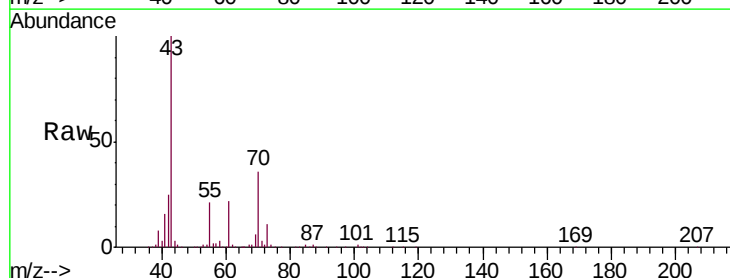
Ion Ratio Lower Upper

43 100

70 35.7 29.2 43.8

55 22.0 17.5 26.3

61 21.9 17.4 26.2

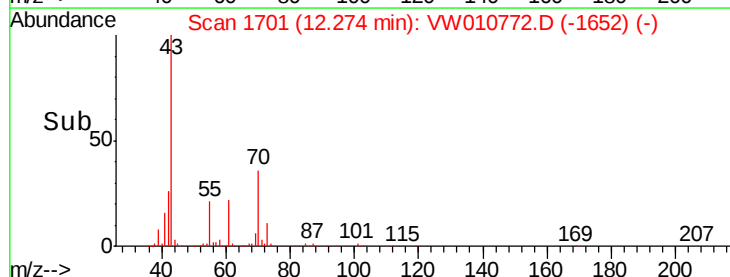
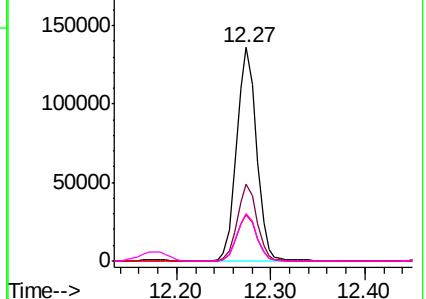


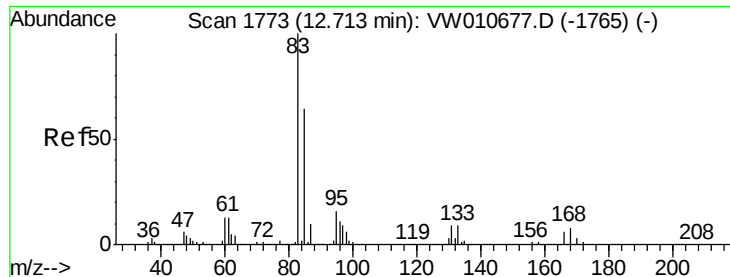
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 49.002 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

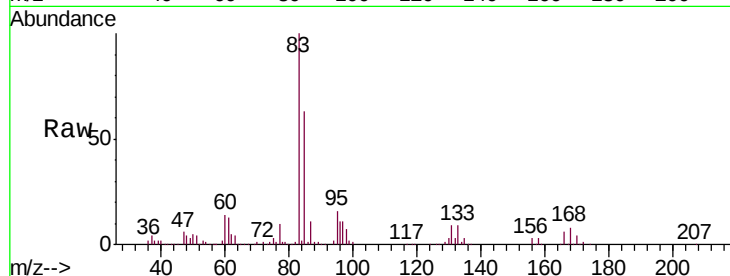
Tgt Ion: 83 Resp: 111530

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

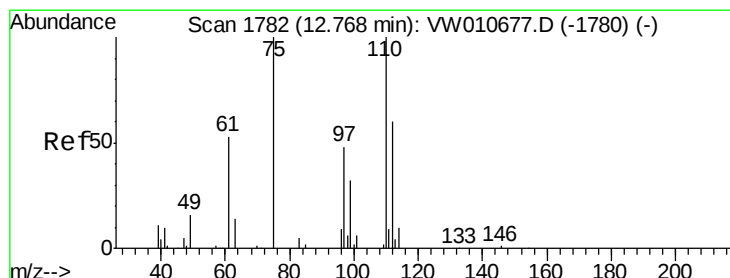
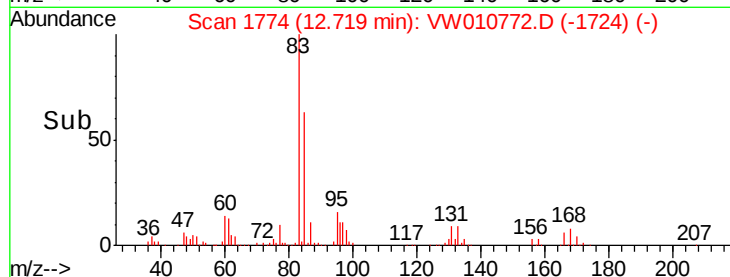
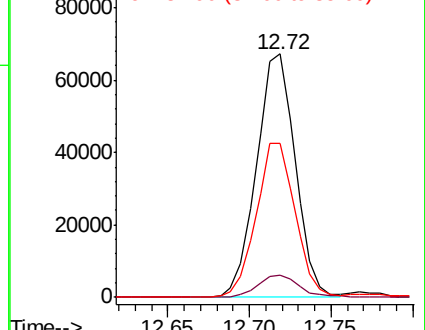
85 63.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 90.999 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010772.D

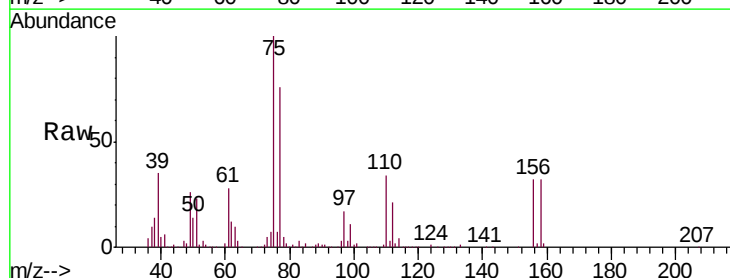
Acq: 12 Jun 2019 10:59

Tgt Ion: 75 Resp: 152037

Ion Ratio Lower Upper

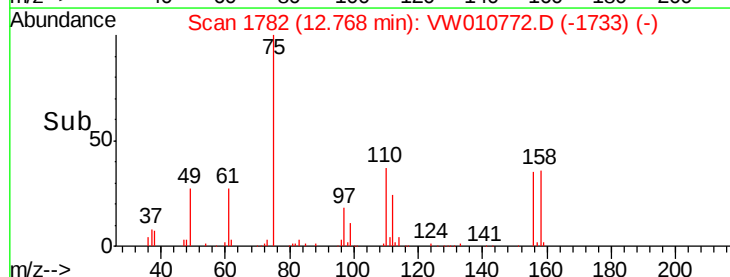
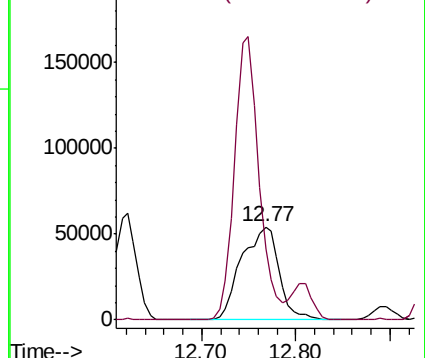
75 100

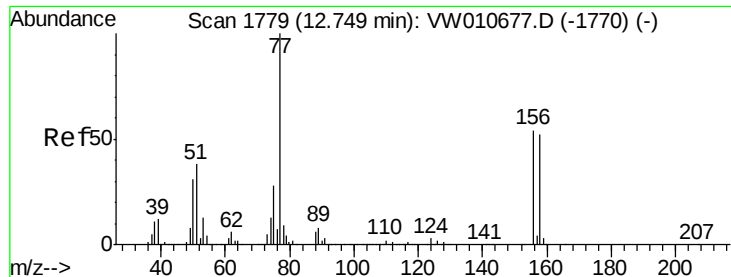
77 197.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.654 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

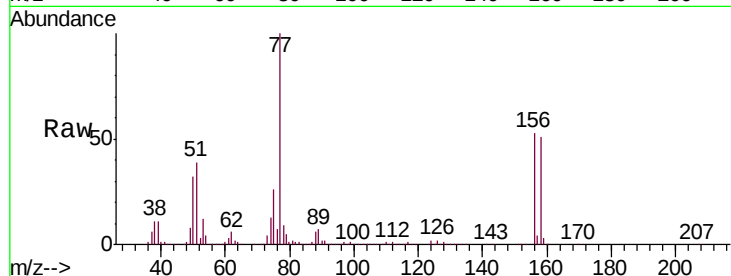
Tgt Ion:156 Resp: 140022

Ion Ratio Lower Upper

156 100

77 214.4 106.5 319.4

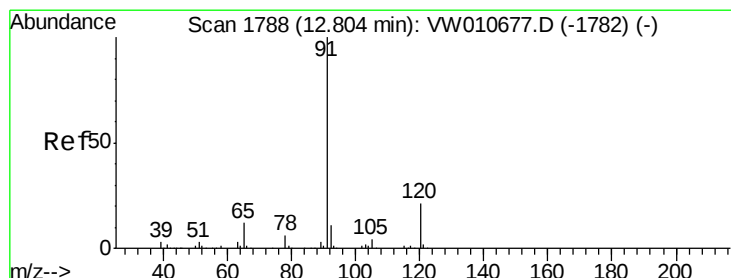
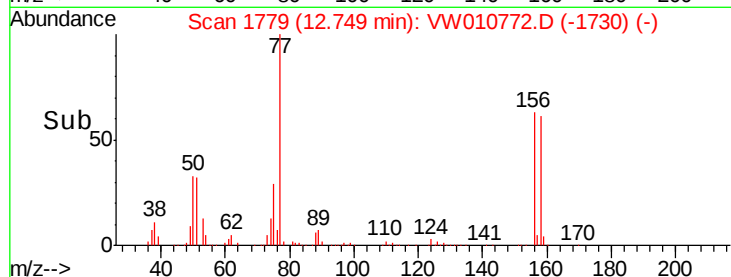
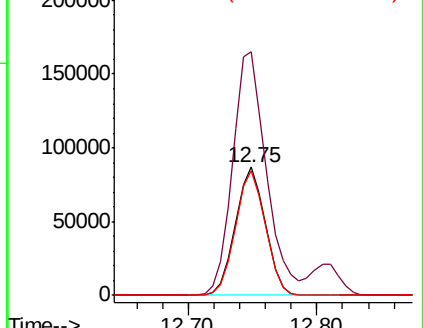
158 97.1 48.3 144.9



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: 55.871 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010772.D

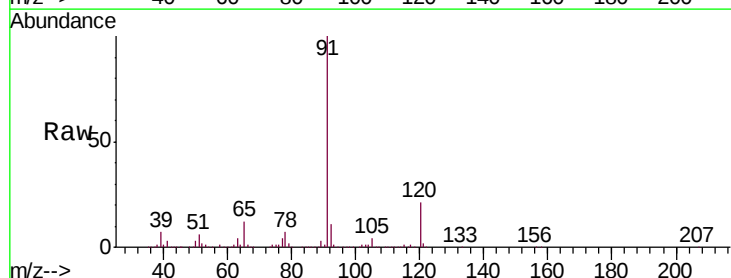
Acq: 12 Jun 2019 10:59

Tgt Ion: 91 Resp: 805448

Ion Ratio Lower Upper

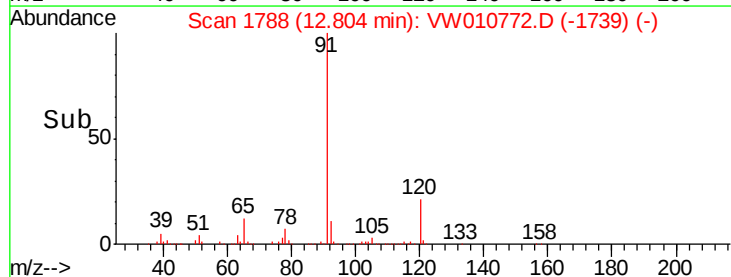
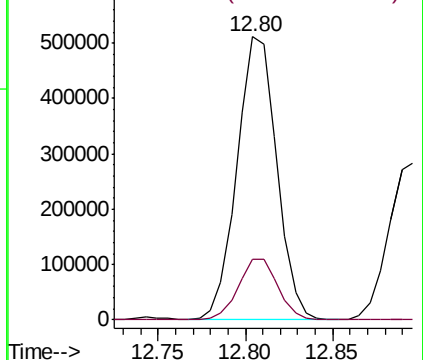
91 100

120 21.5 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: 55.411 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

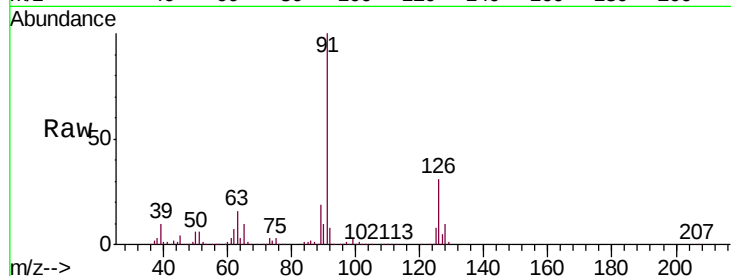
VSTDCCC050

Tgt Ion: 91 Resp: 456375

Ion Ratio Lower Upper

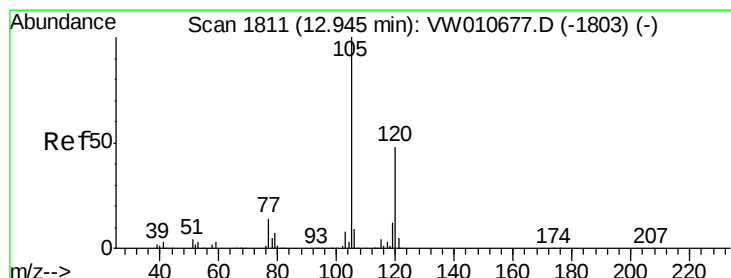
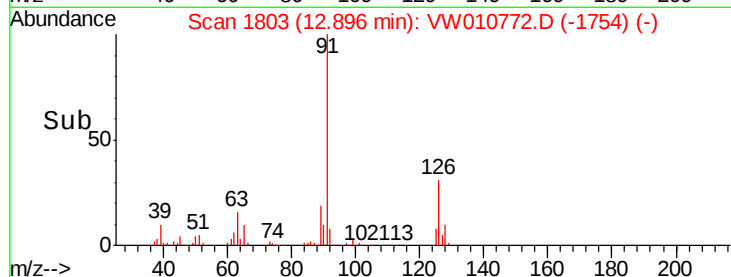
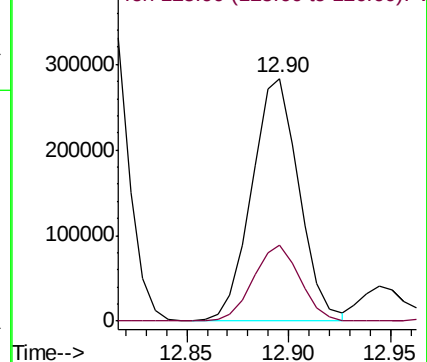
91 100

126 31.0 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: 56.006 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010772.D

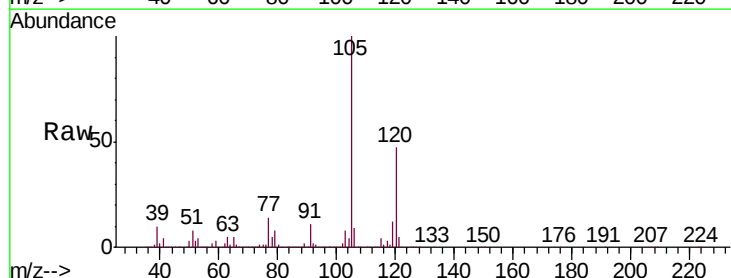
Acq: 12 Jun 2019 10:59

Tgt Ion: 105 Resp: 548072

Ion Ratio Lower Upper

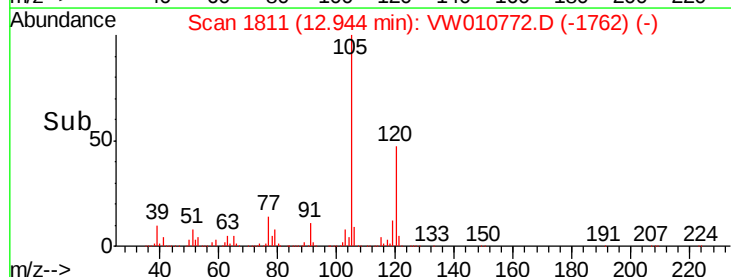
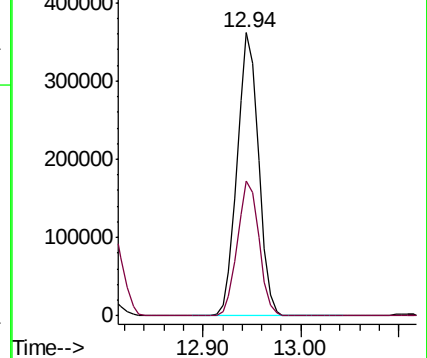
105 100

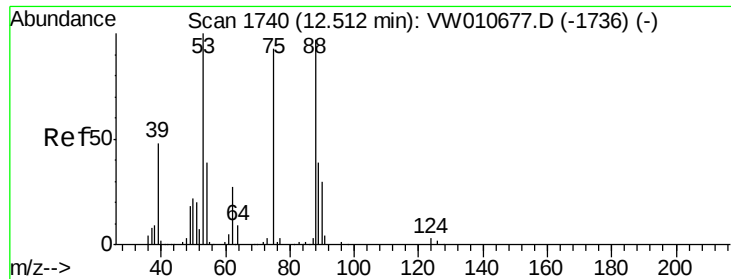
120 48.1 24.3 72.8



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: 52.414 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

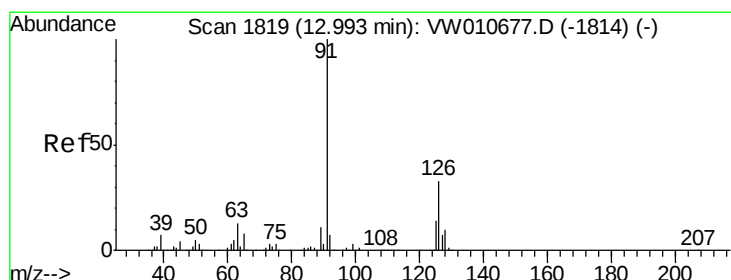
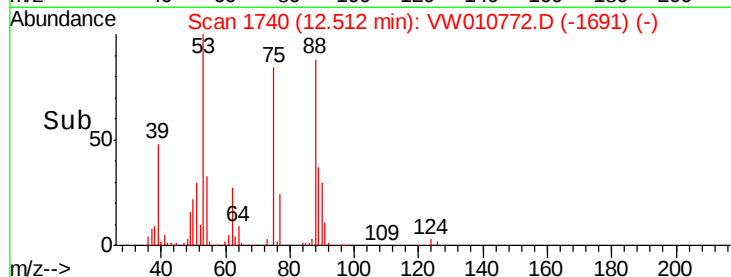
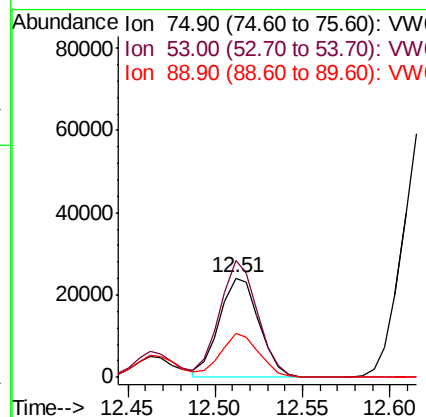
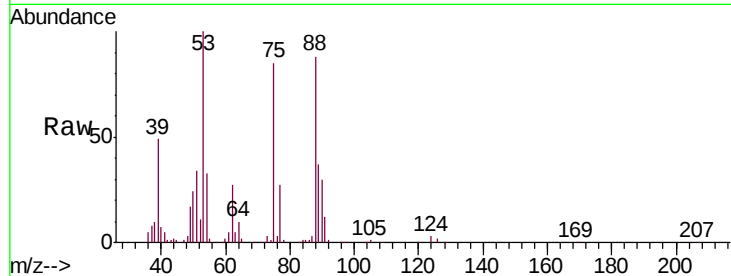
Tgt Ion: 75 Resp: 38102

Ion Ratio Lower Upper

75 100

53 112.0 90.1 135.1

89 42.8 34.6 52.0



#82

4-Chlorotoluene

Concen: 55.427 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010772.D

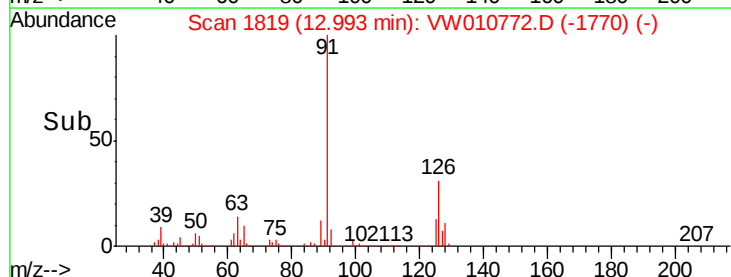
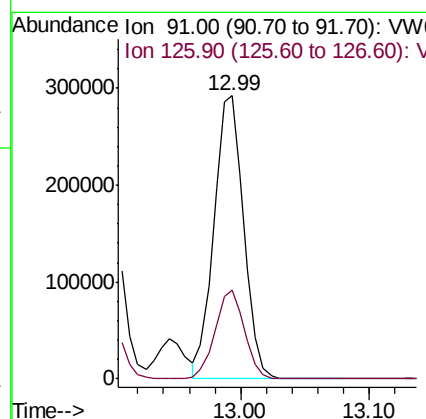
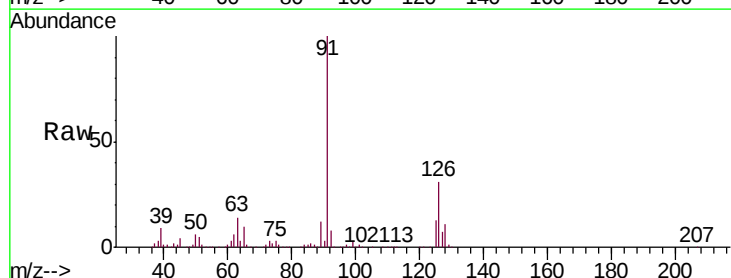
Acq: 12 Jun 2019 10:59

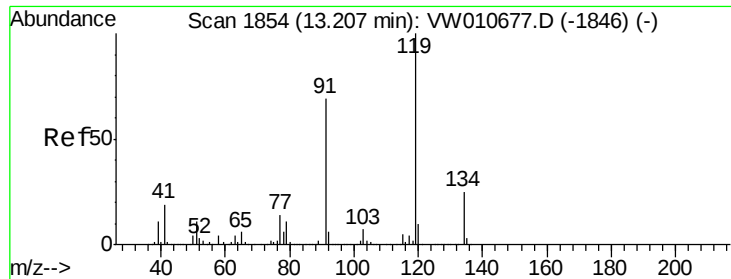
Tgt Ion: 91 Resp: 471101

Ion Ratio Lower Upper

91 100

126 31.2 15.9 47.7

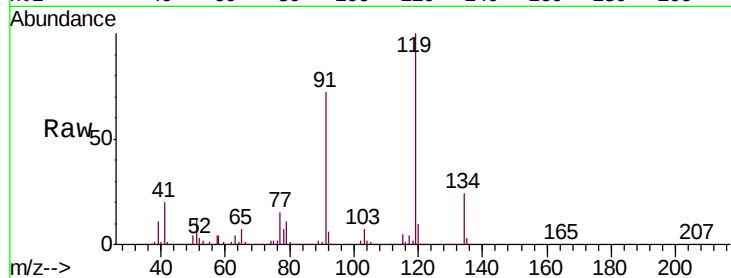




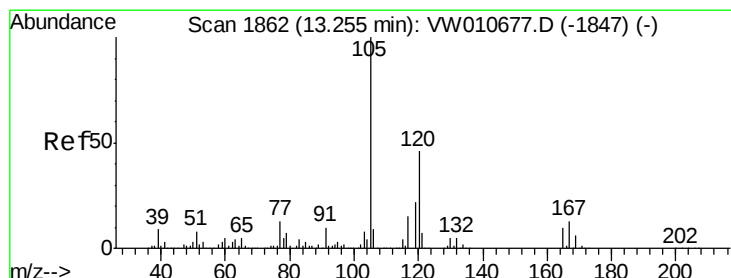
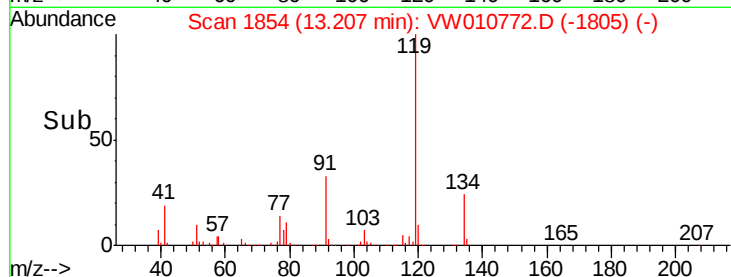
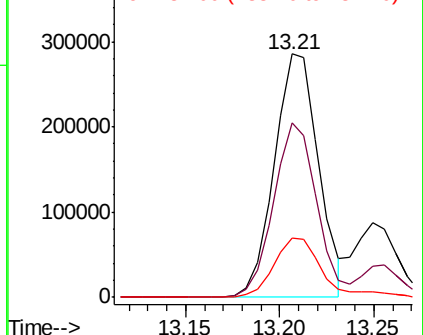
#83
 tert-Butylbenzene
 Concen: 55.910 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 464343
 Ion Ratio Lower Upper
 119 100
 91 70.2 35.1 105.3
 134 26.6 13.6 40.7

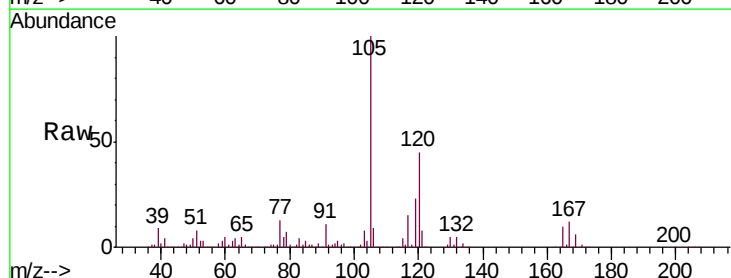


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

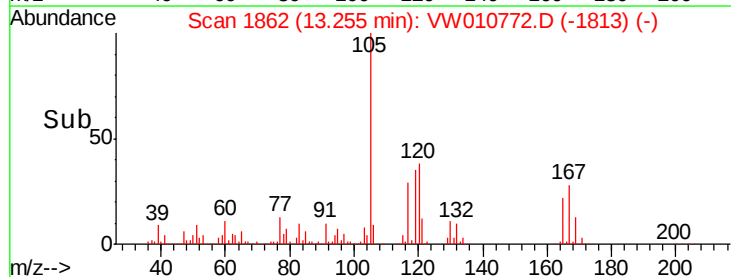
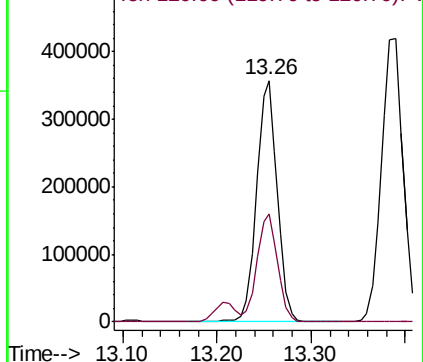


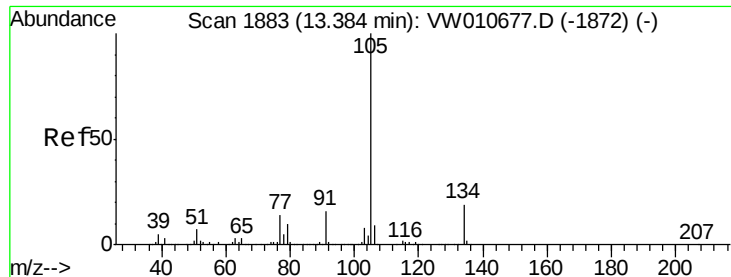
#84
 1,2,4-Trimethylbenzene
 Concen: 55.922 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion:105 Resp: 550690
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.5 67.5



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

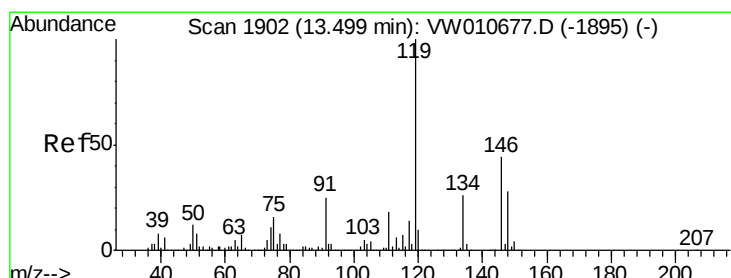
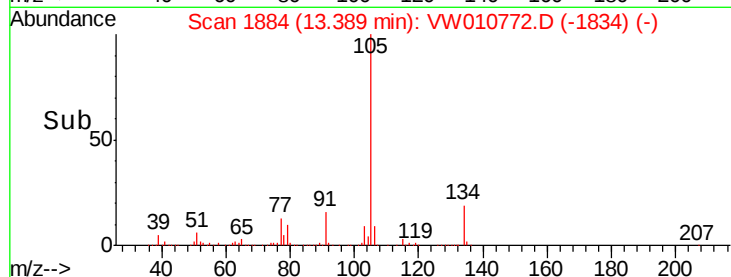
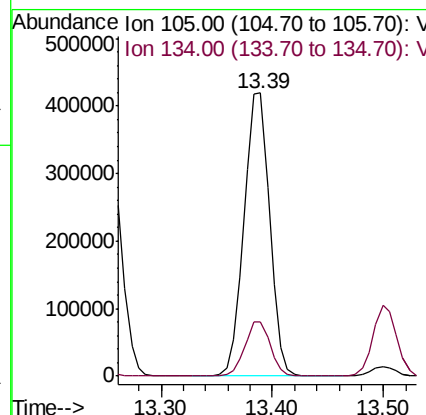
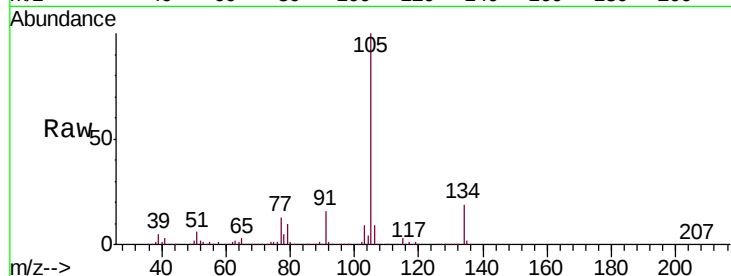




#85
 sec-Butylbenzene
 Concen: 55.353 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

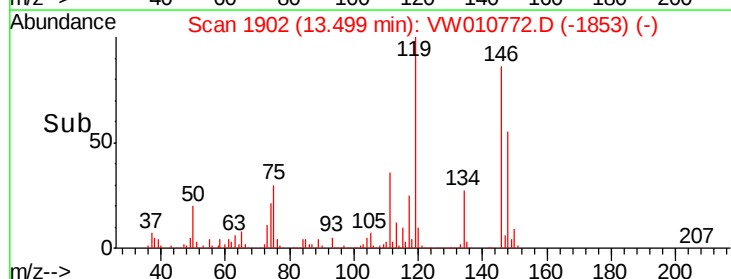
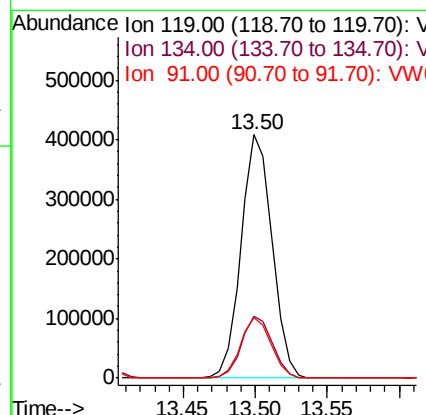
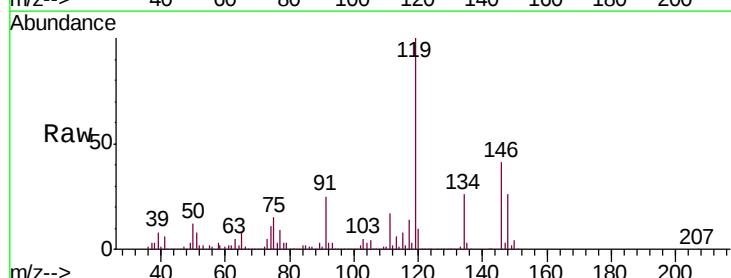
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

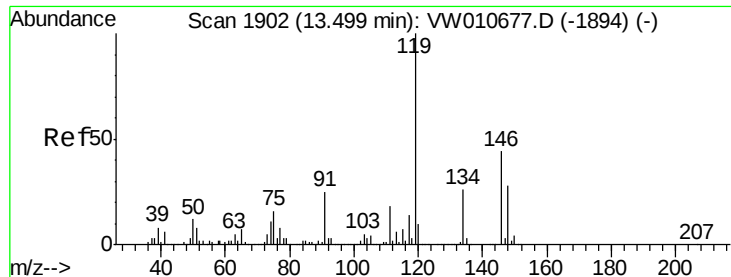
Tgt Ion:105 Resp: 669320
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 56.224 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion:119 Resp: 607972
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 24.5 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 54.525 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

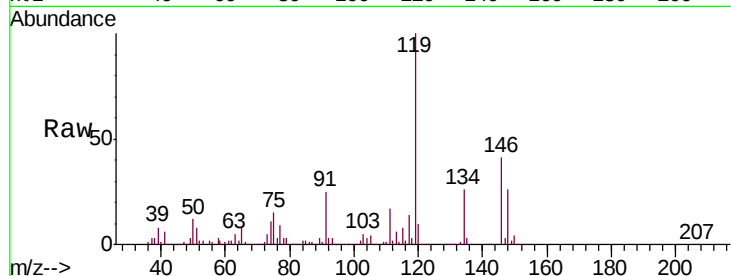
Tgt Ion:146 Resp: 274413

Ion Ratio Lower Upper

146 100

111 41.7 20.4 61.3

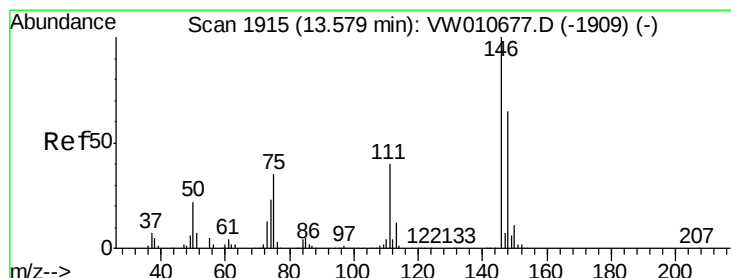
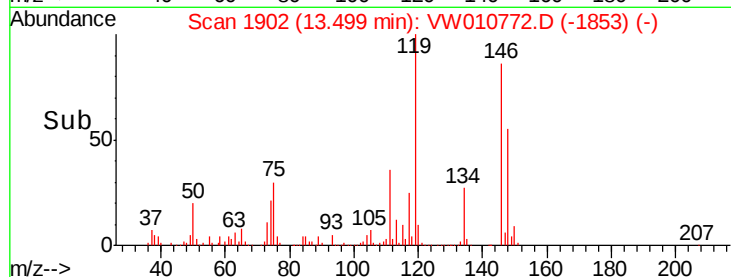
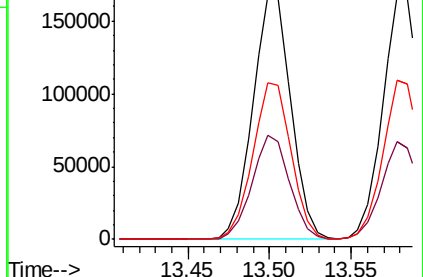
148 64.2 31.5 94.5



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



#88

1,4-Dichlorobenzene

Concen: 54.381 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

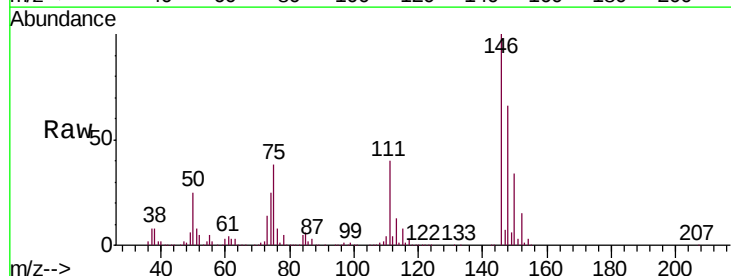
Tgt Ion:146 Resp: 271328

Ion Ratio Lower Upper

146 100

111 40.1 20.3 60.9

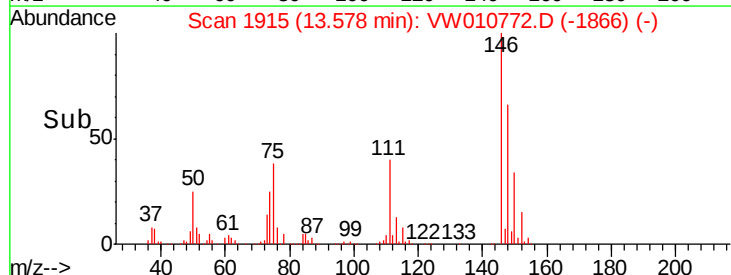
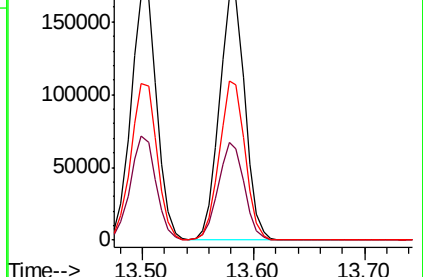
148 64.3 32.4 97.2

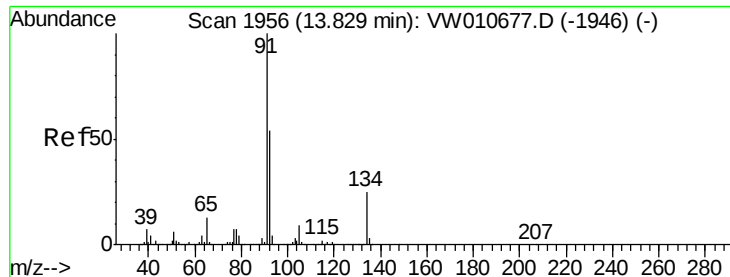


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 57.123 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

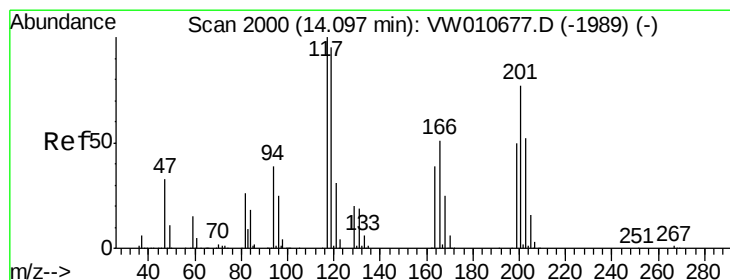
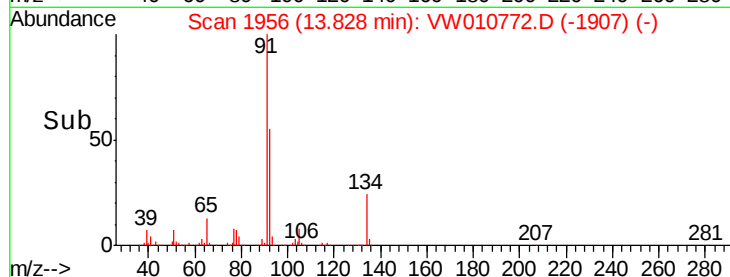
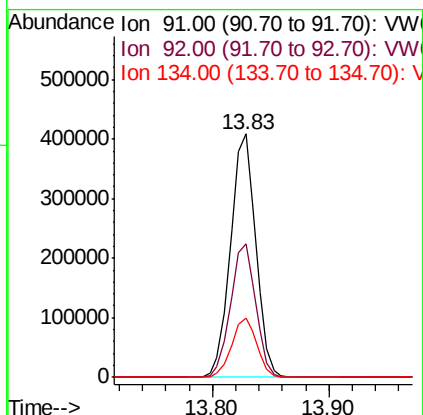
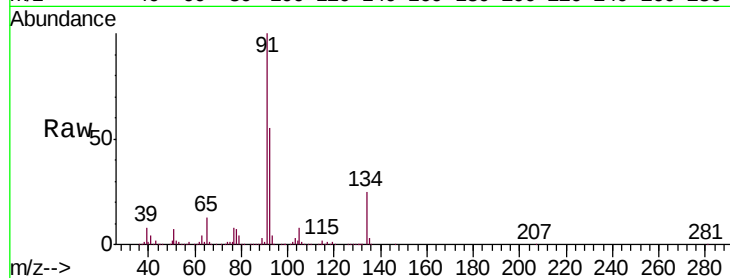
Tgt Ion: 91 Resp: 616293

Ion Ratio Lower Upper

91 100

92 54.8 27.3 81.8

134 24.4 12.3 36.9



#90

Hexachloroethane

Concen: 57.328 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010772.D

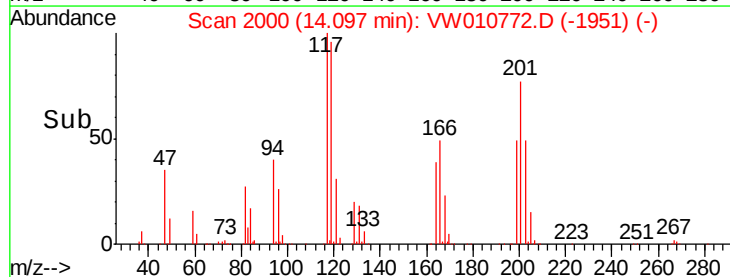
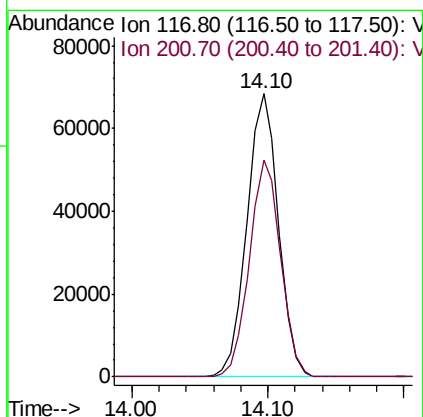
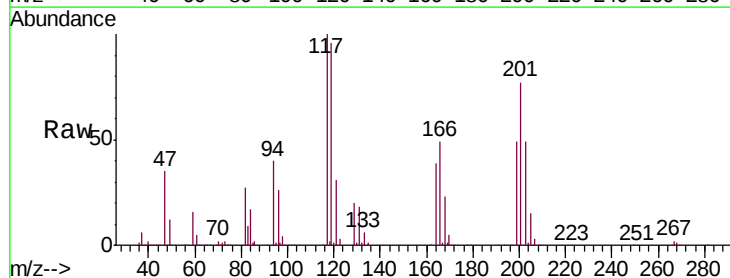
Acq: 12 Jun 2019 10:59

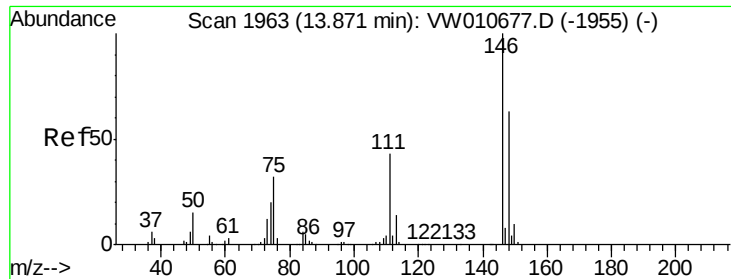
Tgt Ion: 117 Resp: 111016

Ion Ratio Lower Upper

117 100

201 76.3 38.8 116.4





#91

1,2-Dichlorobenzene

Concen: 53.446 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

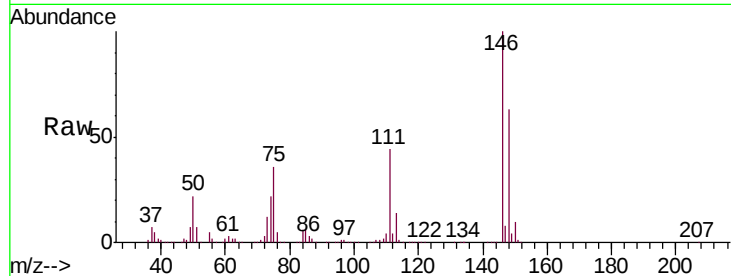
Tgt Ion:146 Resp: 241895

Ion Ratio Lower Upper

146 100

111 42.9 21.5 64.5

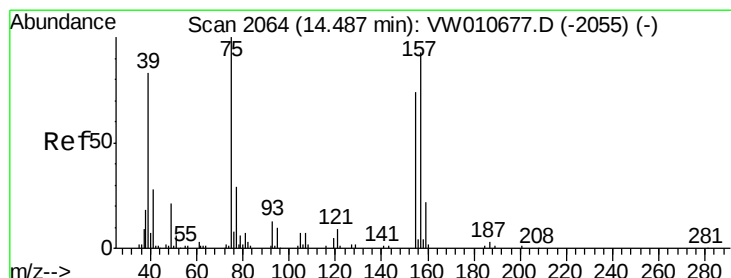
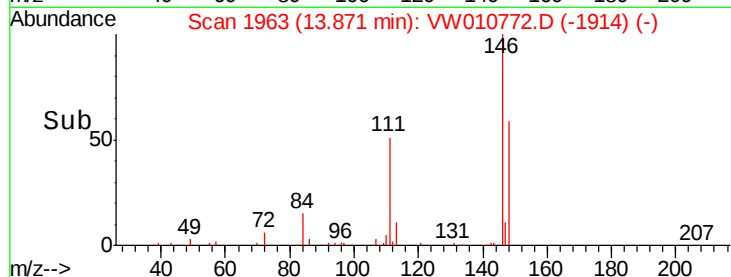
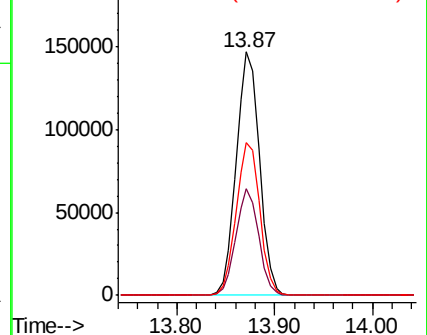
148 63.7 31.9 95.5



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: 51.094 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010772.D

Acq: 12 Jun 2019 10:59

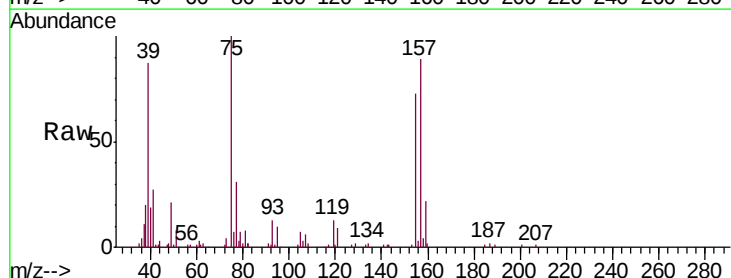
Tgt Ion: 75 Resp: 19970

Ion Ratio Lower Upper

75 100

155 72.8 38.8 116.4

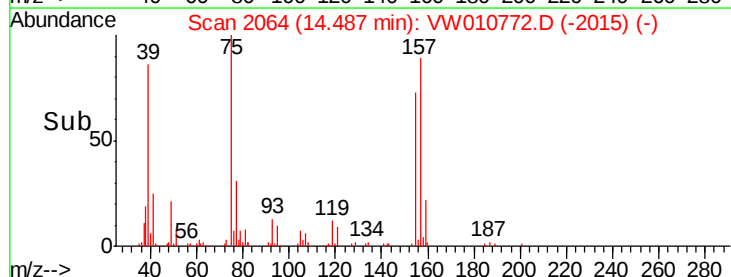
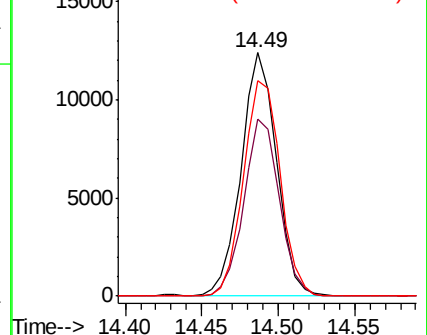
157 91.8 48.4 145.0

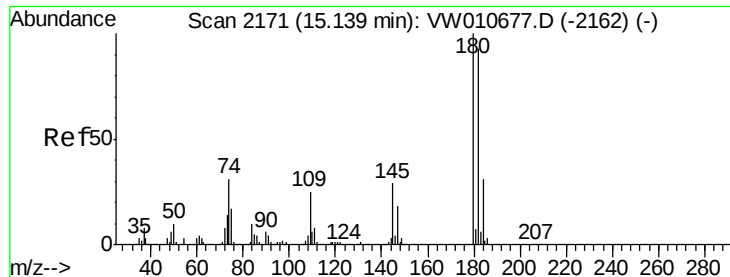


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

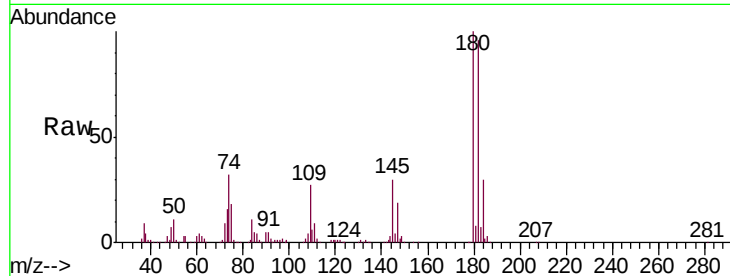




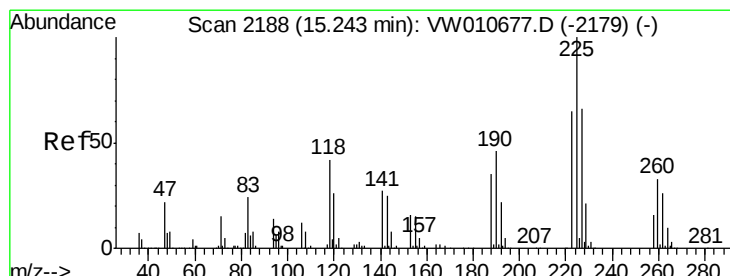
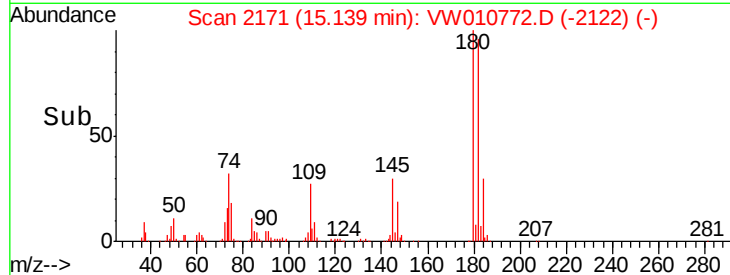
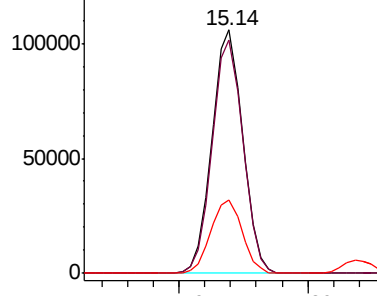
#93
 1,2,4-Trichlorobenzene
 Concen: 54.869 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 174270
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.1 141.4
 145 30.8 15.2 45.5

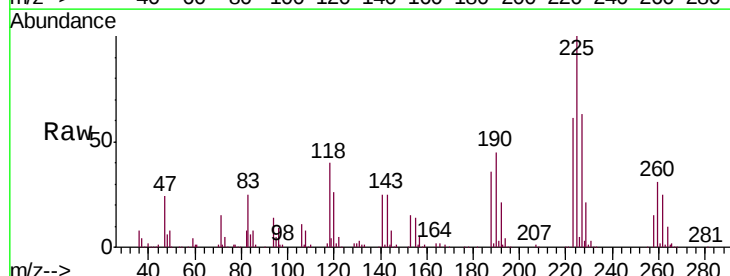


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

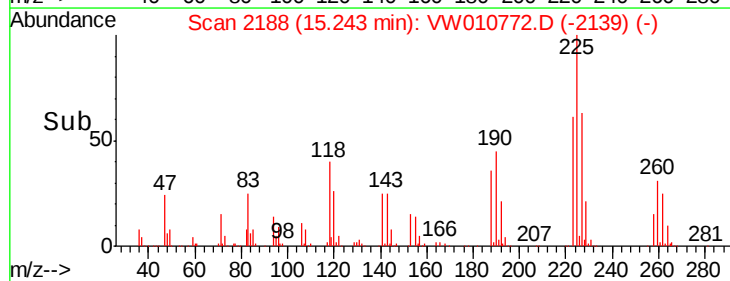
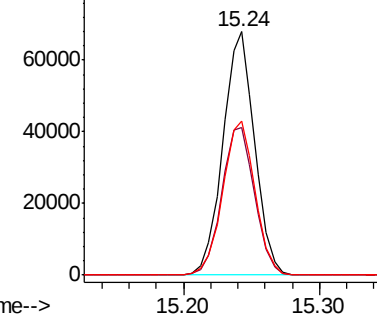


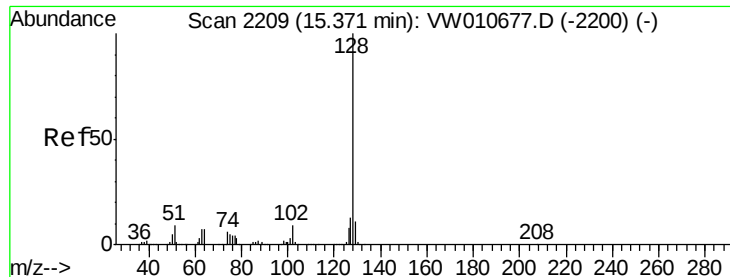
#94
 Hexachlorobutadiene
 Concen: 55.661 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010772.D
 Acq: 12 Jun 2019 10:59

Tgt Ion:225 Resp: 110952
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.2 96.6
 227 64.3 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

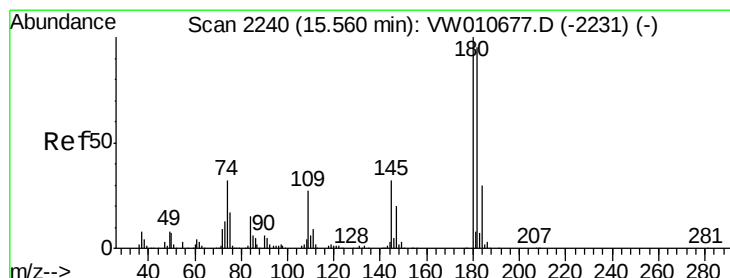
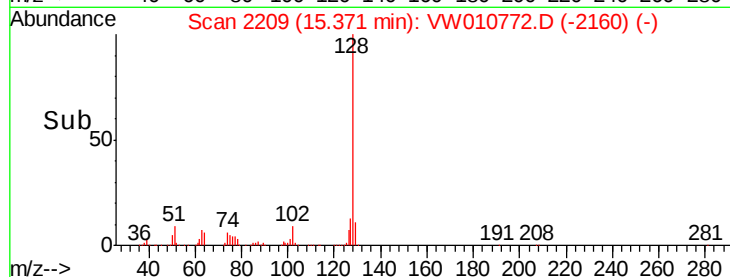
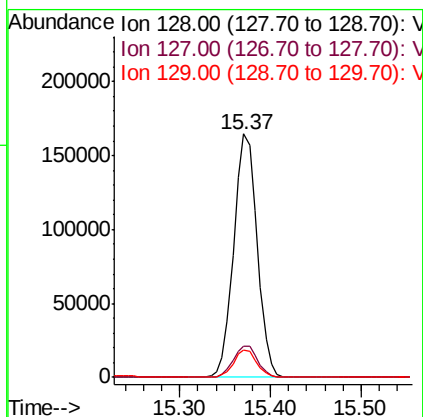
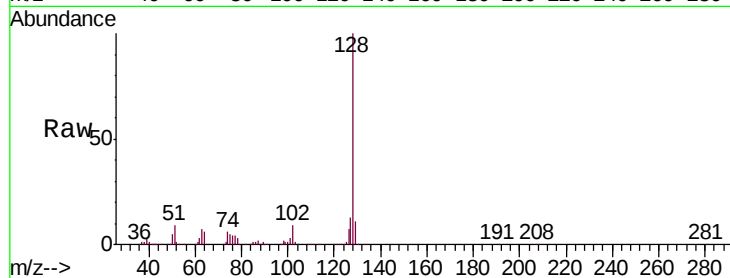




#95
Naphthalene
Concen: 51.222 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 295578
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.584 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010772.D
Acq: 12 Jun 2019 10:59

Tgt Ion:180 Resp: 147437
Ion Ratio Lower Upper
180 100
182 94.4 47.0 141.0
145 31.9 16.1 48.3

