

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010420.D
 Acq On : 17 May 2019 18:24
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: May 17 23:25:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	756238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1328310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1184896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	574099	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	436428	56.11	ug/l	0.00
Spiked Amount			Recovery	=	112.22%	
35) Dibromofluoromethane	7.88	113	430518	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
50) Toluene-d8	10.32	98	1623707	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.62	95	623085	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	274110	57.532	ug/l	100
3) Chloromethane	2.20	50	394331	60.280	ug/l	100
4) Vinyl Chloride	2.35	62	422366	51.349	ug/l	100
5) Bromomethane	2.75	94	240497	45.806	ug/l	100
6) Chloroethane	2.90	64	273093	55.566	ug/l	100
7) Trichlorofluoromethane	3.25	101	602560	106.067	ug/l	100
8) Diethyl Ether	3.68	74	214383	54.043	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	384260	54.654	ug/l	100
10) Methyl Iodide	4.26	142	434245	40.032	ug/l	100
11) Tert butyl alcohol	5.17	59	188788	295.520	ug/l	100
12) 1,1-Dichloroethene	4.03	96	356779	48.582	ug/l	100
13) Acrolein	3.89	56	124439	307.762	ug/l	100
14) Allyl chloride	4.67	41	562257	59.044	ug/l	100
15) Acrylonitrile	5.37	53	473574	270.769	ug/l	100
16) Acetone	4.12	43	347818	249.418	ug/l	100
17) Carbon Disulfide	4.37	76	1002549	50.189	ug/l	100
18) Methyl Acetate	4.67	43	203502	45.690	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1058105	88.081	ug/l	100
20) Methylene Chloride	4.91	84	386988	47.481	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	417644	51.031	ug/l	100
22) Diisopropyl ether	6.31	45	1214160	53.482	ug/l	100
23) Vinyl Acetate	6.26	43	3875895	250.796	ug/l	100
24) 1,1-Dichloroethane	6.21	63	694237	50.146	ug/l	100
25) 2-Butanone	7.17	43	623176	238.536	ug/l	100
26) 2,2-Dichloropropane	7.17	77	613963	77.913	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	474722	50.269	ug/l	100
28) Bromochloromethane	7.51	49	282996	49.283	ug/l	100
29) Tetrahydrofuran	7.53	42	417492	238.559	ug/l	100
30) Chloroform	7.67	83	742243	51.029	ug/l	100
31) Cyclohexane	7.95	56	654802	48.635	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	693504	59.130	ug/l	100
36) 1,1-Dichloropropene	8.08	75	564255	49.367	ug/l	100
37) Ethyl Acetate	7.25	43	279297	48.734	ug/l	100
38) Carbon Tetrachloride	8.07	117	616394	52.582	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	753719	49.779	ug/l	100
40) Benzene	8.32	78	1618311	48.674	ug/l	100
41) Methacrylonitrile	7.48	41	184792	53.069	ug/l	100
42) 1,2-Dichloroethane	8.40	62	488025	50.338	ug/l	100
43) Isopropyl Acetate	8.43	43	574302	48.640	ug/l	100
44) Trichloroethene	9.09	130	470149	49.512	ug/l	100
45) 1,2-Dichloropropane	9.37	63	403906	48.966	ug/l	100
46) Dibromomethane	9.46	93	241257	50.230	ug/l	100
47) Bromodichloromethane	9.65	83	594437	50.468	ug/l	100
48) Methyl methacrylate	9.43	41	259479	47.813	ug/l	100
49) 1,4-Dioxane	9.45	88	75824	903.250	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1447700	236.840	ug/l	100
52) Toluene	10.39	92	1075642	48.546	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	613663	49.461	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	689158	49.132	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	346943	49.955	ug/l	100
56) Ethyl methacrylate	10.65	69	475460	48.213	ug/l	100
57) 1,3-Dichloropropane	10.93	76	577764	49.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1226512	283.760	ug/l	100
59) 2-Hexanone	10.97	43	1010089	234.280	ug/l	100
60) Dibromochloromethane	11.13	129	434340	50.067	ug/l	100
61) 1,2-Dibromoethane	11.24	107	349568	49.878	ug/l	100
64) Tetrachloroethene	10.86	164	379984	48.516	ug/l	100
65) Chlorobenzene	11.66	112	1176030	50.020	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	433264	49.764	ug/l	100
67) Ethyl Benzene	11.73	91	2055144	49.220	ug/l	100
68) m/p-Xylenes	11.84	106	1609640	98.523	ug/l	100
69) o-Xylene	12.16	106	771099	48.970	ug/l	100
70) Styrene	12.18	104	1326876	48.475	ug/l	100
71) Bromoform	12.35	173	257163	50.938	ug/l	100
73) Isopropylbenzene	12.46	105	2065643	49.319	ug/l	100
74) N-amyl acetate	12.27	43	535750	46.199	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	415217	50.443	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	535408	85.707	ug/l #	100
77) Bromobenzene	12.75	156	475019	49.156	ug/l	100
78) n-propylbenzene	12.80	91	2421069	49.431	ug/l	100
79) 2-Chlorotoluene	12.90	91	1407426	49.419	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1780132	49.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	146467	48.745	ug/l	100
82) 4-Chlorotoluene	12.99	91	1480334	49.538	ug/l	100
83) tert-Butylbenzene	13.21	119	1520847	49.974	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1753366	48.711	ug/l	100
85) sec-Butylbenzene	13.38	105	2143872	49.810	ug/l	100
86) p-Isopropyltoluene	13.50	119	1935538	49.423	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	927042	49.330	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	928353	49.496	ug/l	100
89) n-Butylbenzene	13.83	91	1862537	49.829	ug/l	100
90) Hexachloroethane	14.10	117	388625	50.122	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	862841	50.018	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77205	50.453	ug/l	100

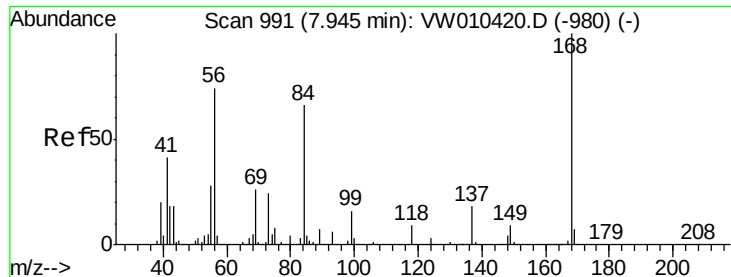
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	572201	48.253	ug/l	100
94) Hexachlorobutadiene	15.24	225	300577	49.618	ug/l	100
95) Naphthalene	15.37	128	1287827	48.779	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	501922	47.662	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

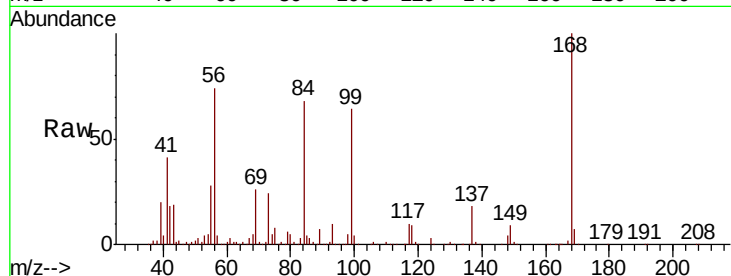
VSTDICCC050

Tgt Ion:168 Resp: 756238

Ion Ratio Lower Upper

168 100

99 63.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

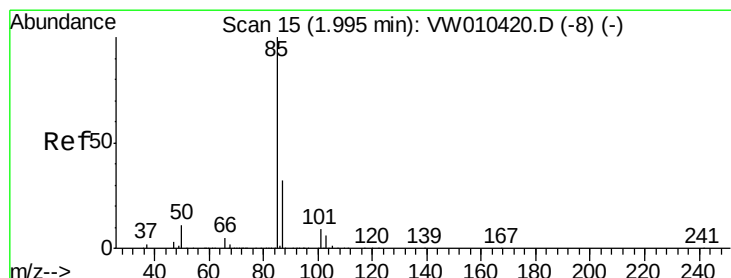
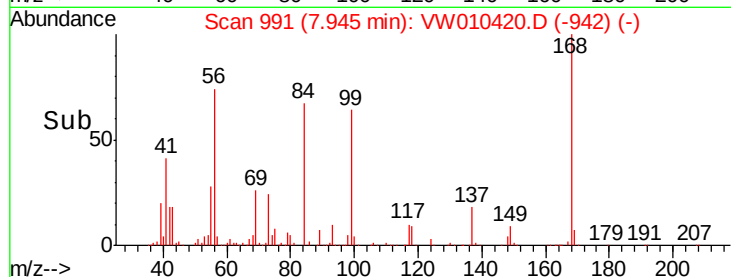
200000

100000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 57.532 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010420.D

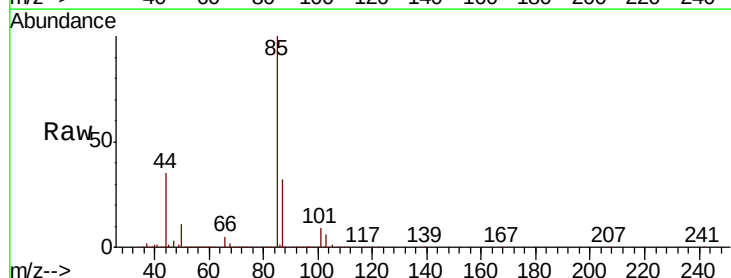
Acq: 17 May 2019 18:24

Tgt Ion: 85 Resp: 274110

Ion Ratio Lower Upper

85 100

87 32.3 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

200000

150000

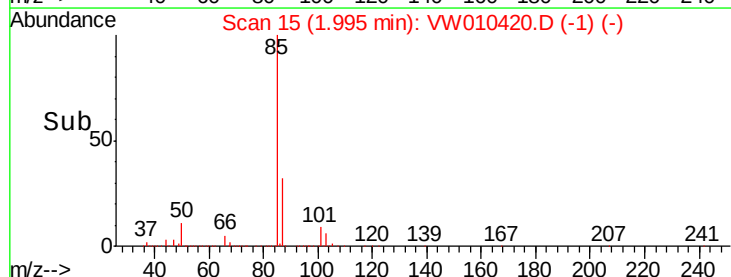
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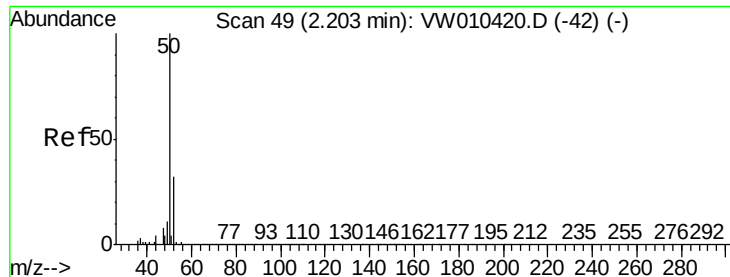
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1.90 2.00 2.10

Time-->

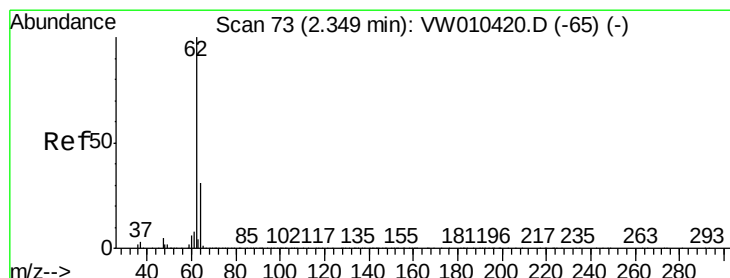
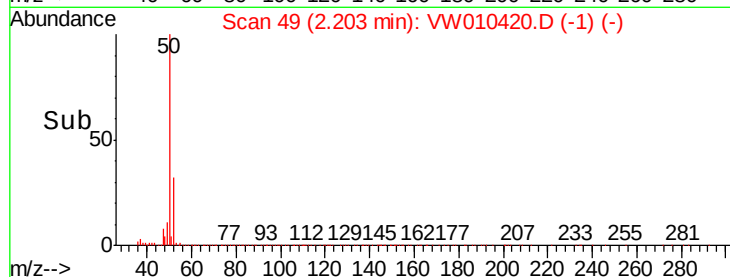
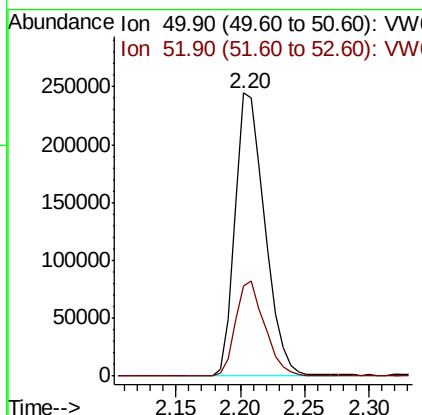
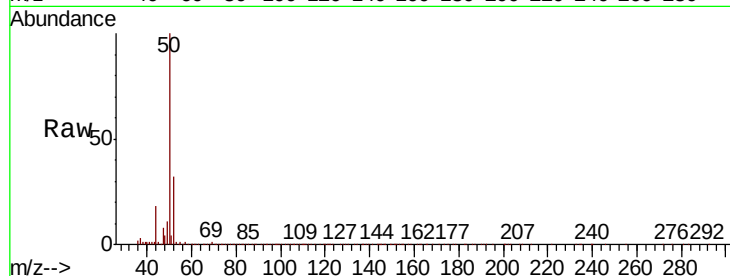




#3
Chloromethane
Concen: 60.280 ug/l
RT: 2.20 min Scan# 49
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

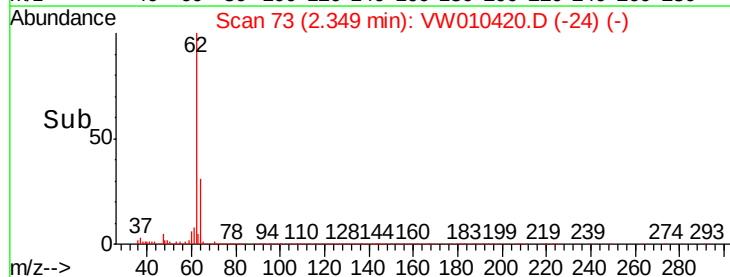
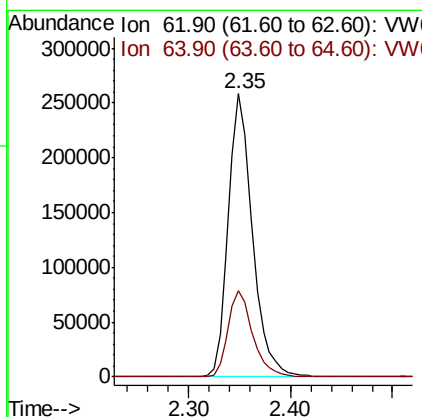
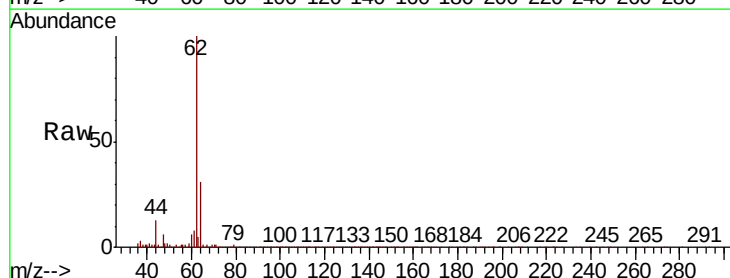
Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

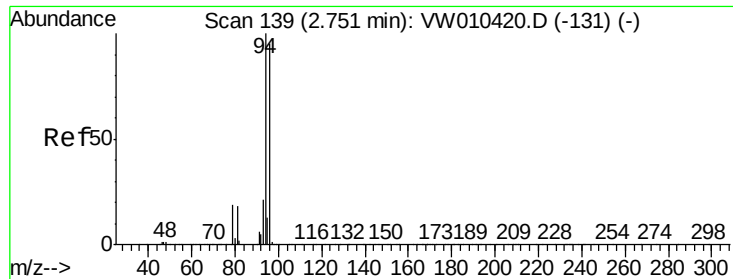
Tgt Ion: 50 Resp: 394331
Ion Ratio Lower Upper
50 100
52 31.7 25.4 38.0



#4
Vinyl Chloride
Concen: 51.349 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 62 Resp: 422366
Ion Ratio Lower Upper
62 100
64 30.5 24.4 36.6





#5

Bromomethane

Concen: 45.806 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

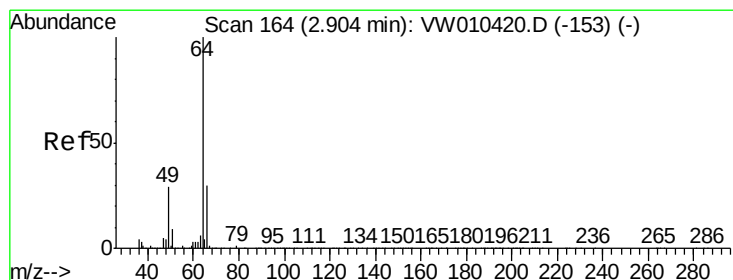
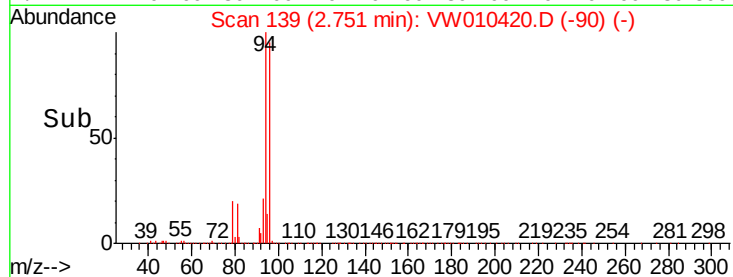
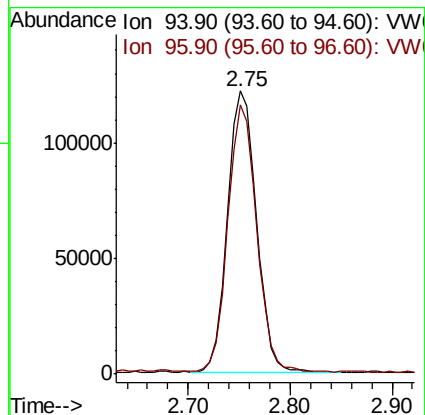
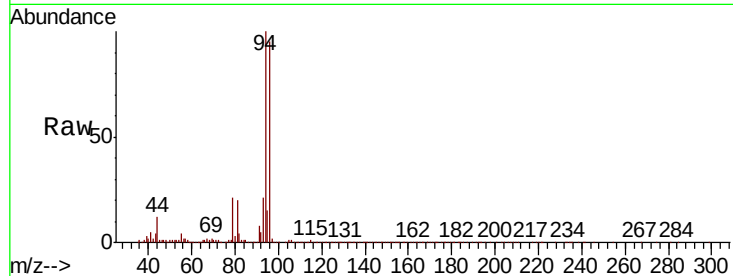
VSTDICCC050

Tgt Ion: 94 Resp: 240497

Ion Ratio Lower Upper

94 100

96 94.7 75.8 113.6



#6

Chloroethane

Concen: 55.566 ug/l

RT: 2.90 min Scan# 164

Delta R.T. 0.00 min

Lab File: VW010420.D

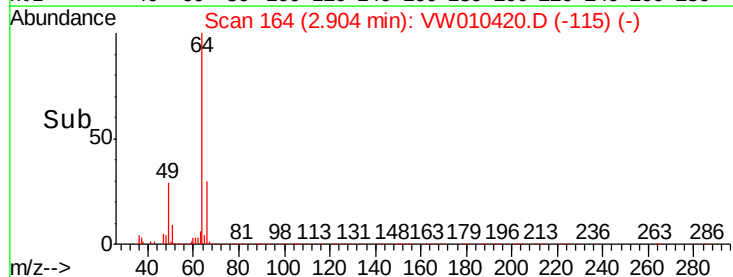
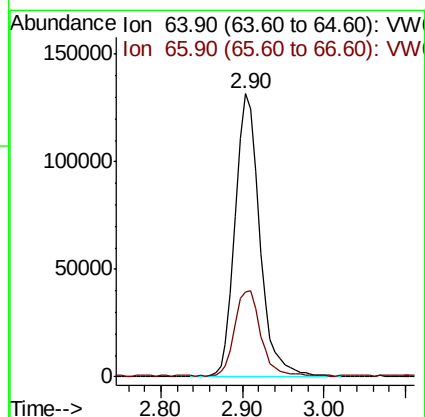
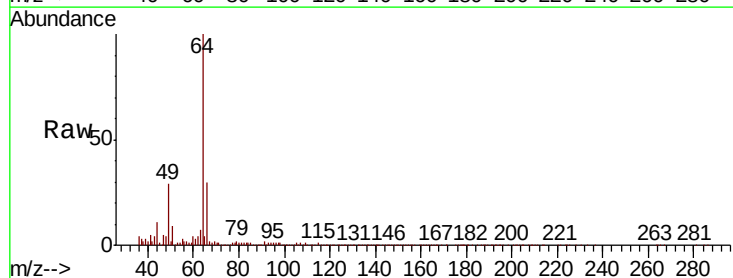
Acq: 17 May 2019 18:24

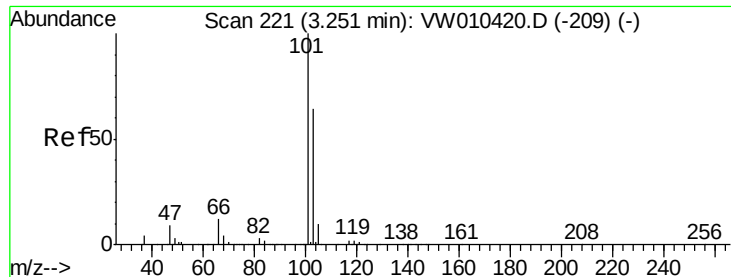
Tgt Ion: 64 Resp: 273093

Ion Ratio Lower Upper

64 100

66 29.5 23.6 35.4



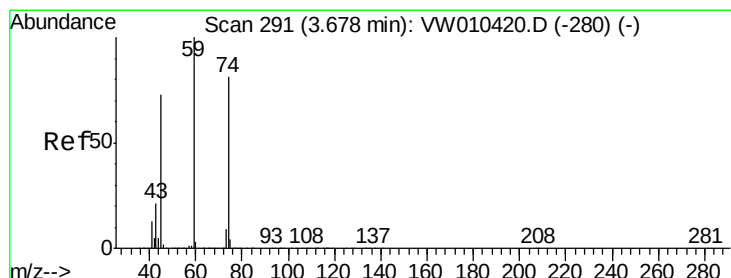
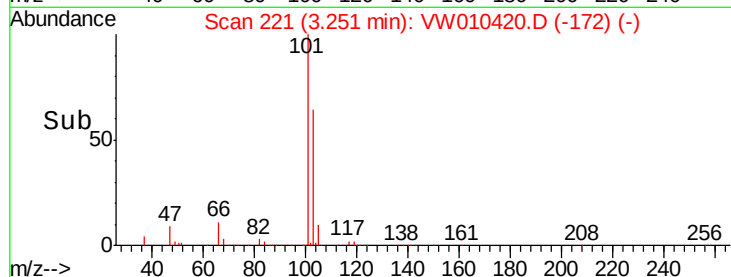
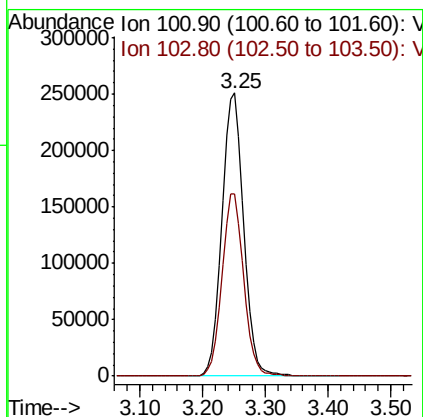
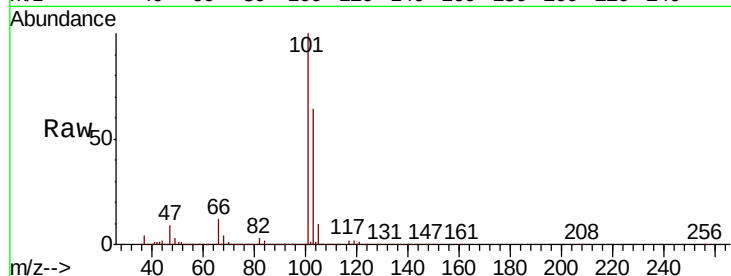


#7

Trichlorofluoromethane
Concen: 106.067 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

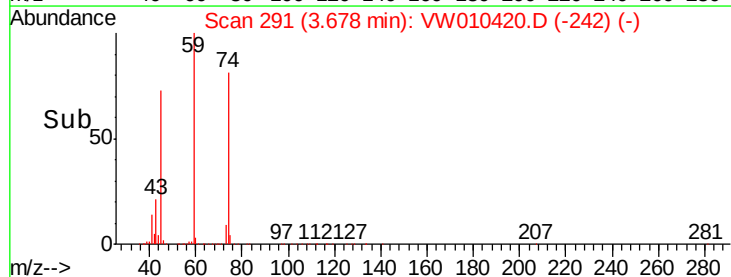
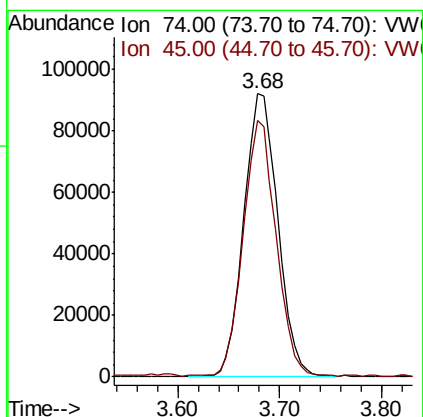
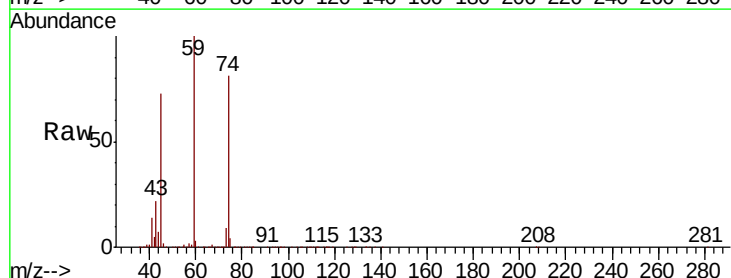
Tgt Ion:101 Resp: 602560
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

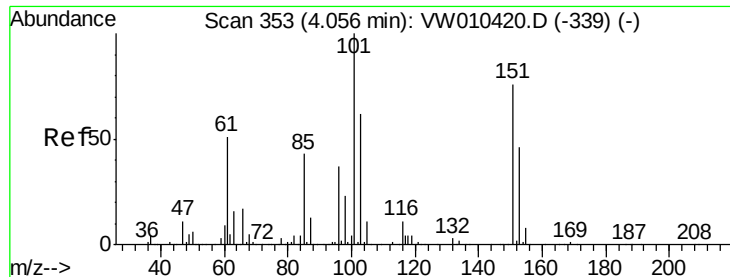


#8

Diethyl Ether
Concen: 54.043 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 74 Resp: 214383
Ion Ratio Lower Upper
74 100
45 86.8 43.4 130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.654 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

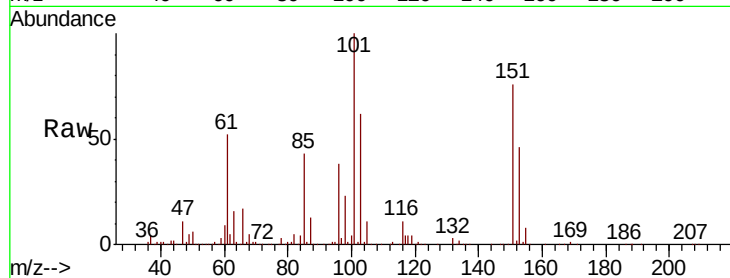
Tgt Ion:101 Resp: 384260

Ion Ratio Lower Upper

101 100

85 42.9 34.3 51.5

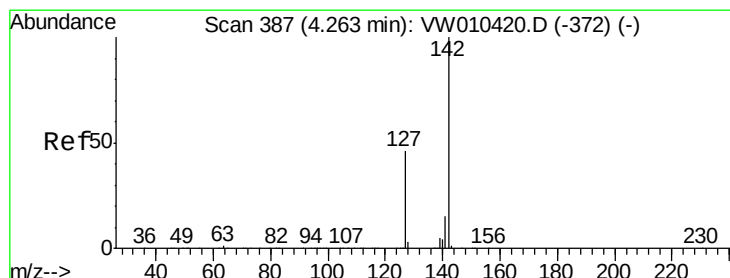
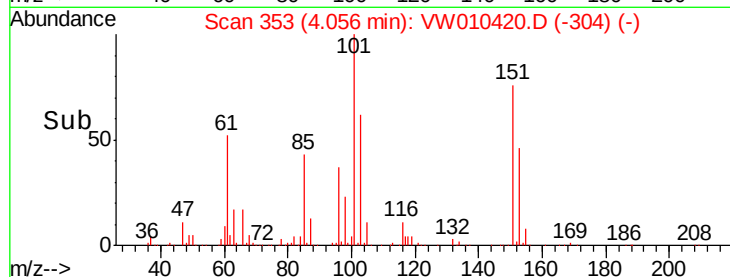
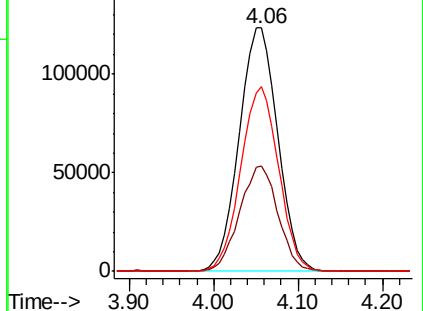
151 74.3 59.4 89.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.032 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

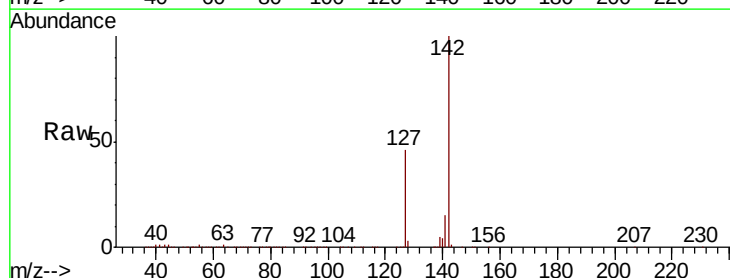
Tgt Ion:142 Resp: 434245

Ion Ratio Lower Upper

142 100

127 44.3 35.4 53.2

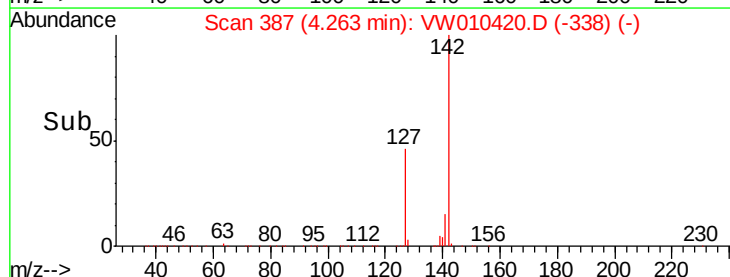
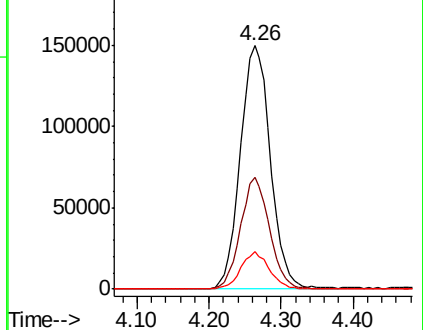
141 14.3 11.4 17.2

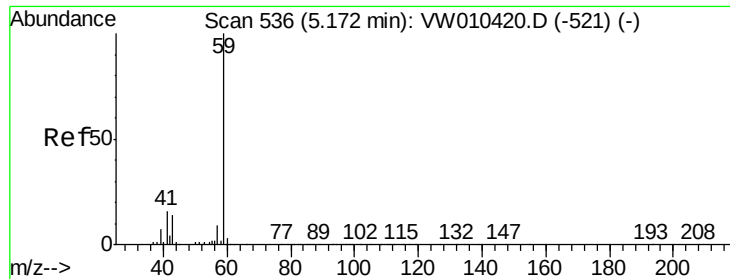


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

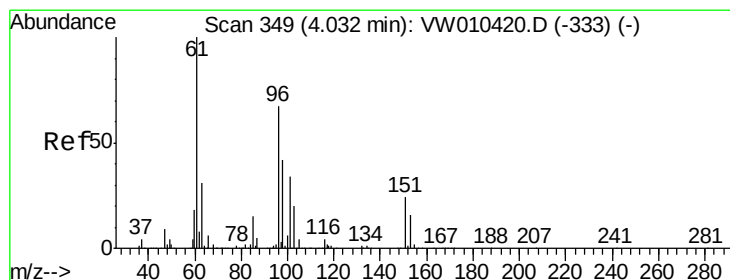
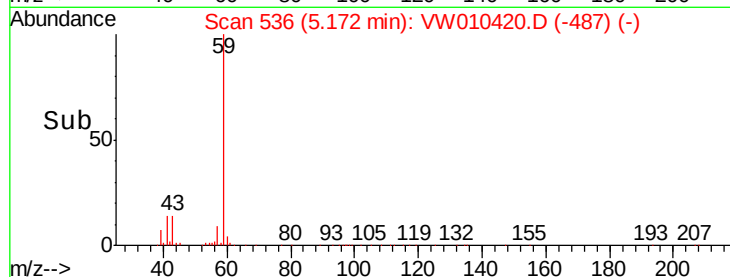
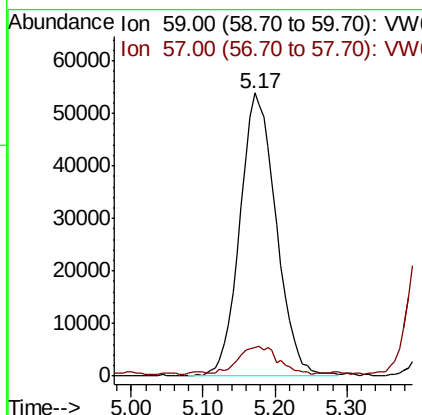
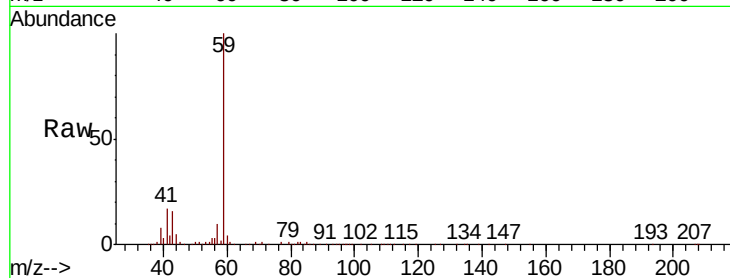




#11
Tert butyl alcohol
Concen: 295.520 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

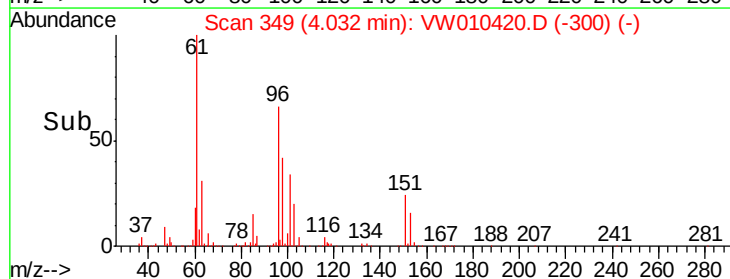
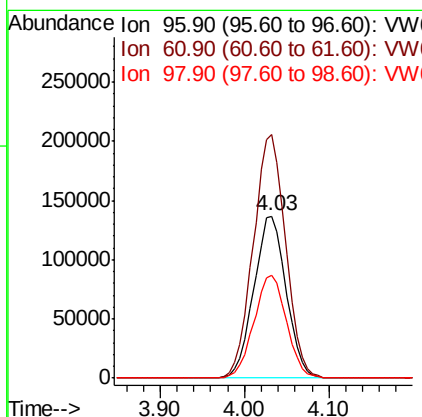
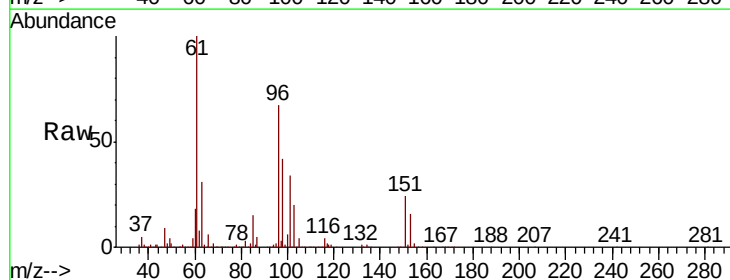
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

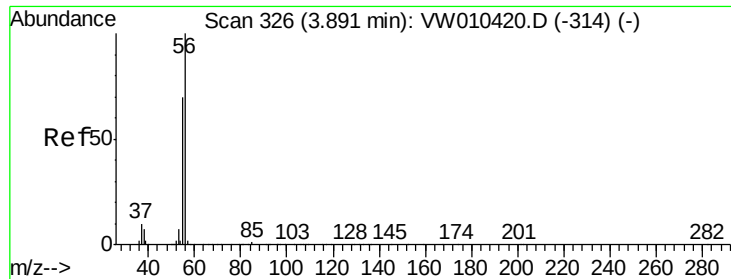
Tgt Ion: 59 Resp: 188788
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6



#12
1,1-Dichloroethene
Concen: 48.582 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 96 Resp: 356779
Ion Ratio Lower Upper
96 100
61 150.4 120.3 180.5
98 63.4 50.7 76.1

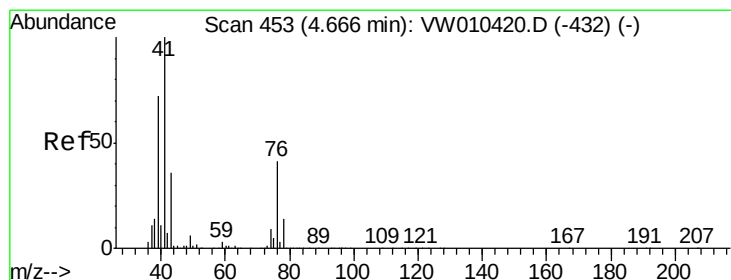
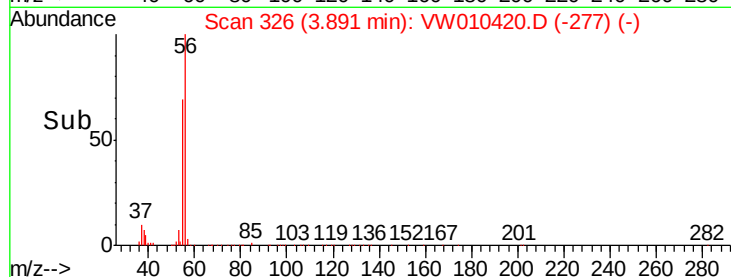
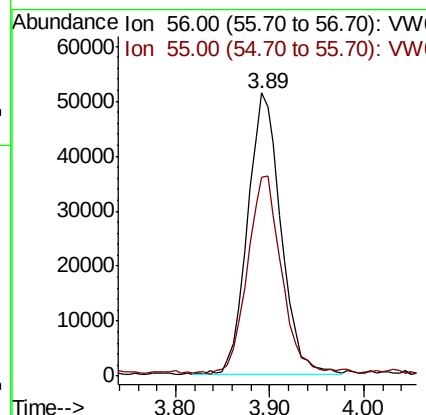
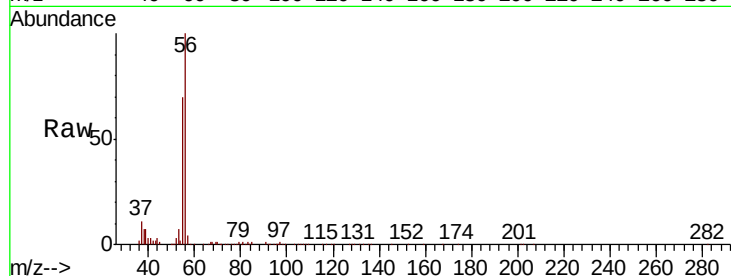




#13
 Acrolein
 Concen: 307.762 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

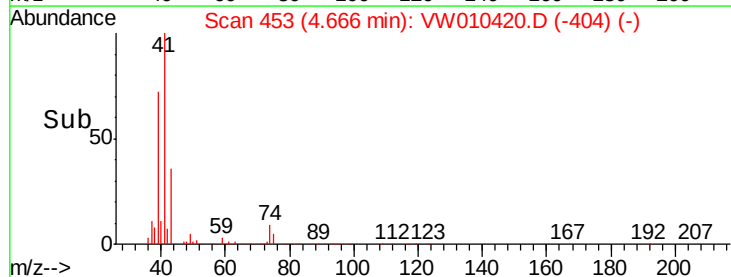
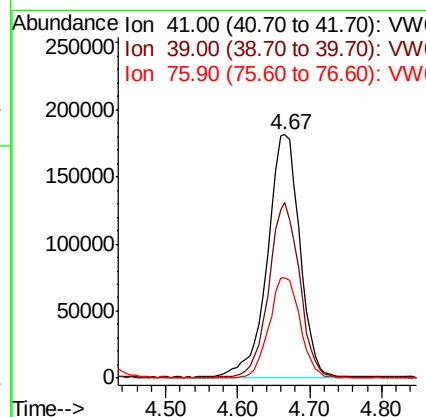
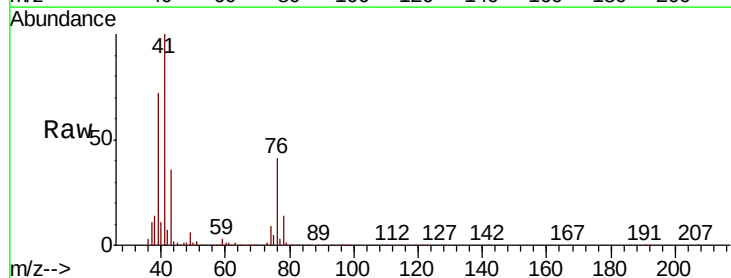
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

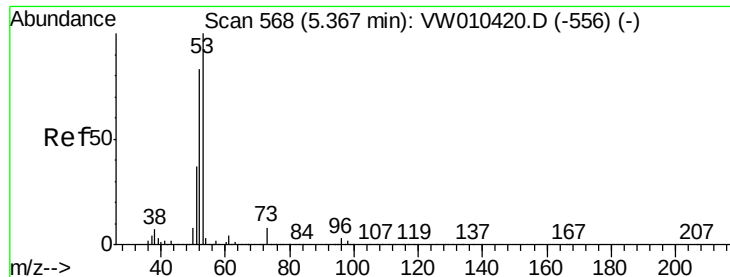
Tgt Ion: 56 Resp: 124439
 Ion Ratio Lower Upper
 56 100
 55 72.0 57.6 86.4



#14
 Allyl chloride
 Concen: 59.044 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 41 Resp: 562257
 Ion Ratio Lower Upper
 41 100
 39 68.6 54.9 82.3
 76 39.7 31.8 47.6





#15

Acrylonitrile

Concen: 270.769 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

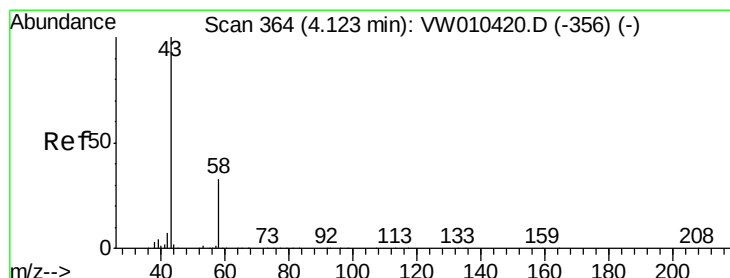
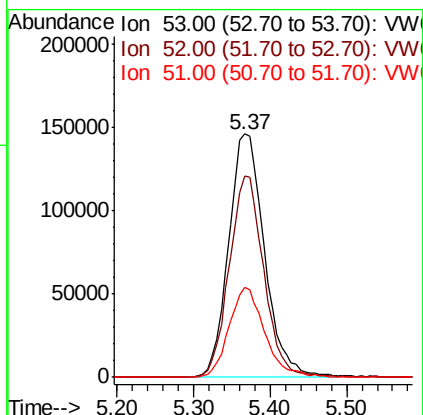
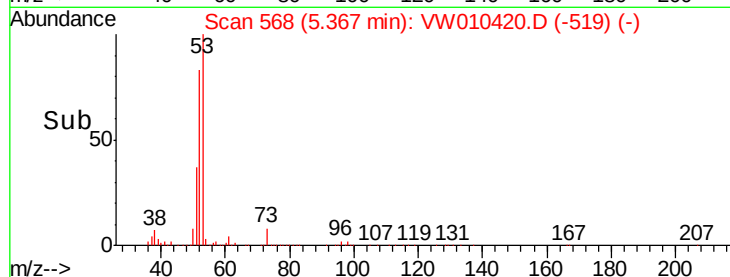
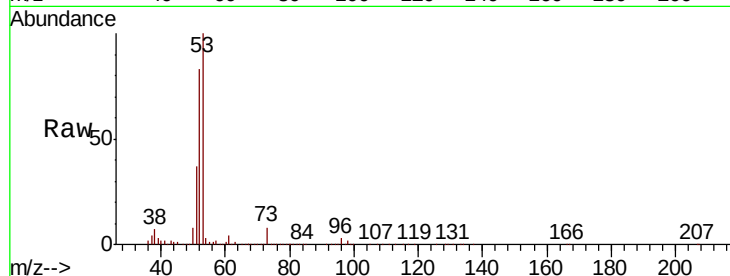
Tgt Ion: 53 Resp: 473574

Ion Ratio Lower Upper

53 100

52 79.9 63.9 95.9

51 36.9 29.5 44.3



#16

Acetone

Concen: 249.418 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010420.D

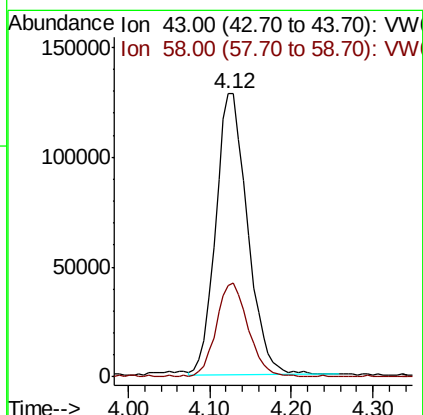
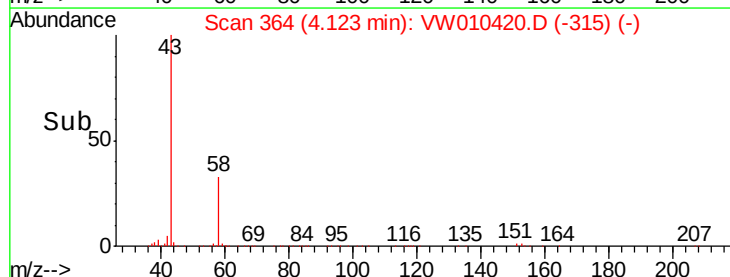
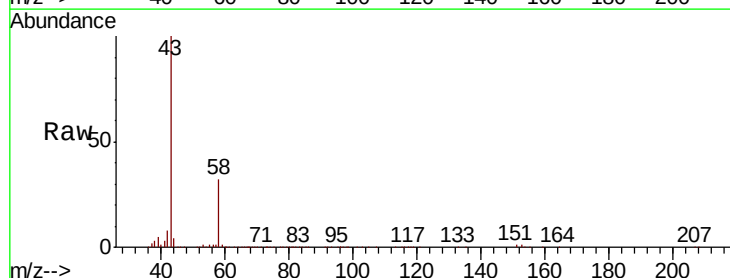
Acq: 17 May 2019 18:24

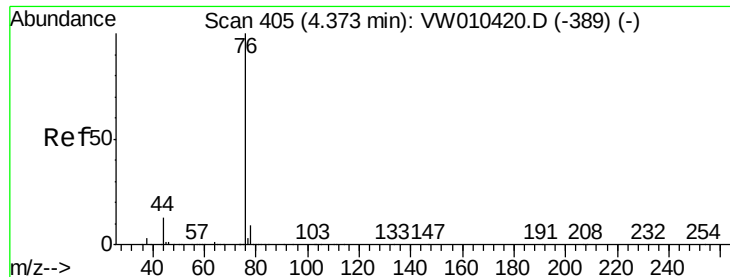
Tgt Ion: 43 Resp: 347818

Ion Ratio Lower Upper

43 100

58 32.5 26.0 39.0





#17

Carbon Disulfide

Concen: 50.189 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

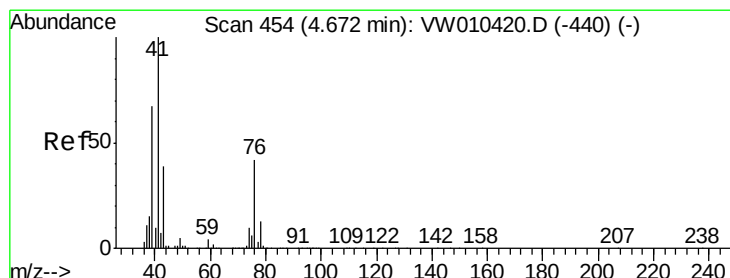
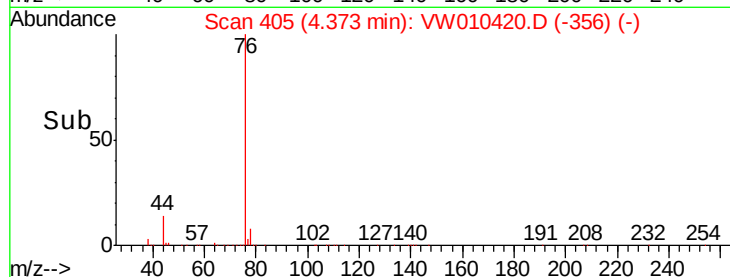
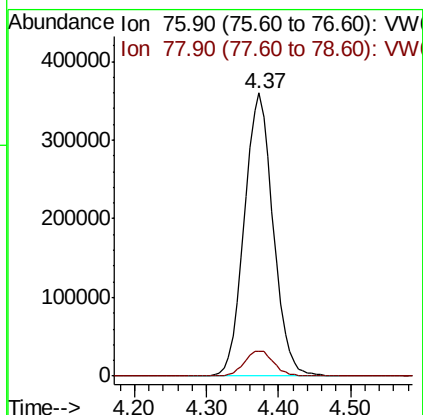
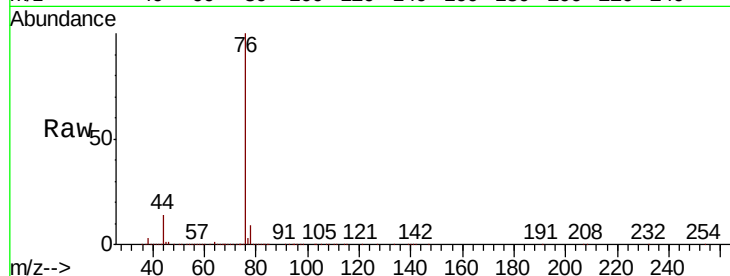
VSTDICCC050

Tgt Ion: 76 Resp: 1002549

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



#18

Methyl Acetate

Concen: 45.690 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010420.D

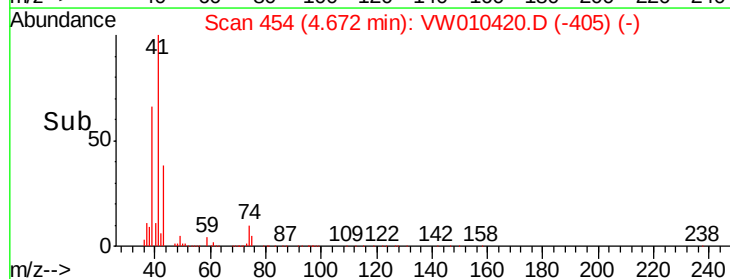
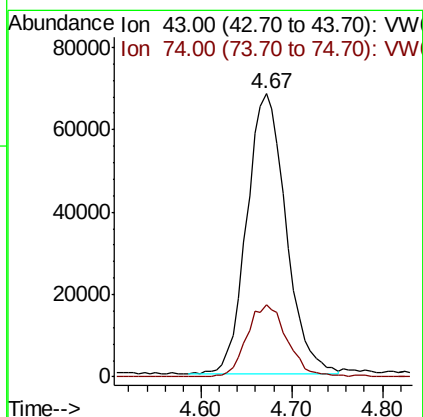
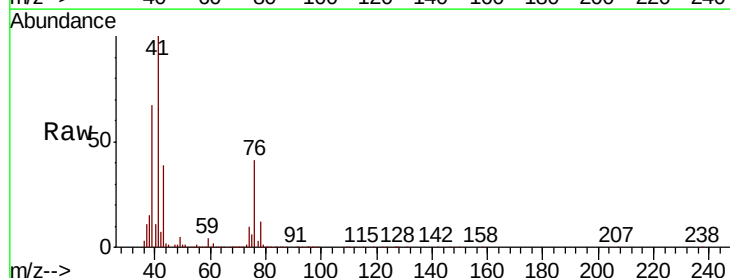
Acq: 17 May 2019 18:24

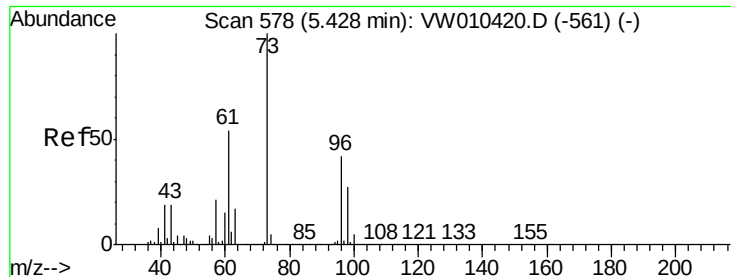
Tgt Ion: 43 Resp: 203502

Ion Ratio Lower Upper

43 100

74 26.5 21.2 31.8

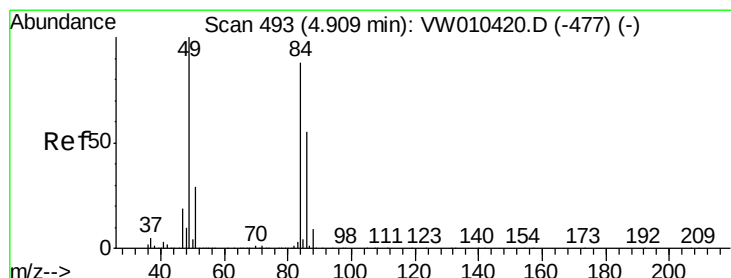
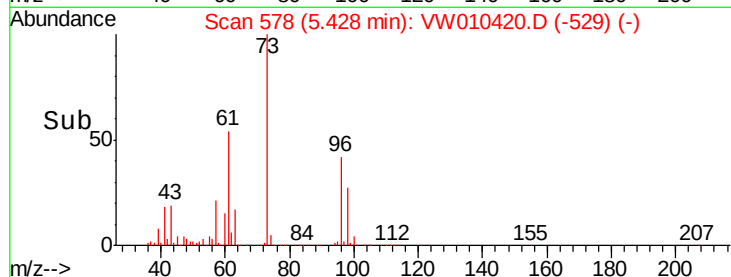
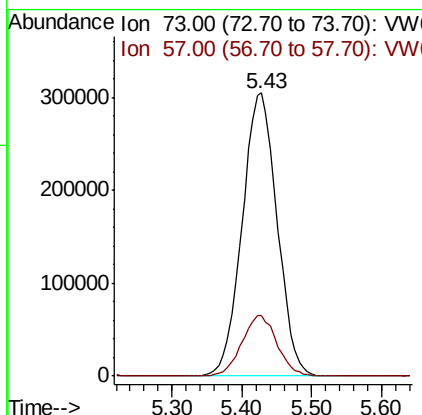
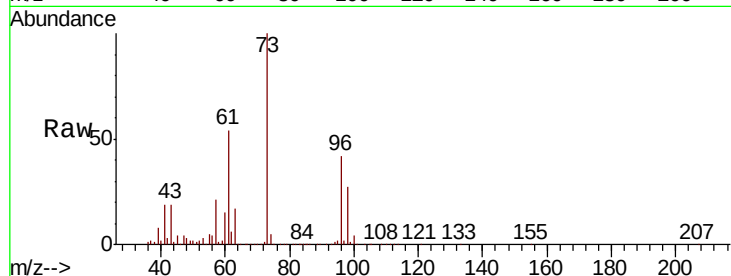




#19
Methyl tert-butyl Ether
Concen: 88.081 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

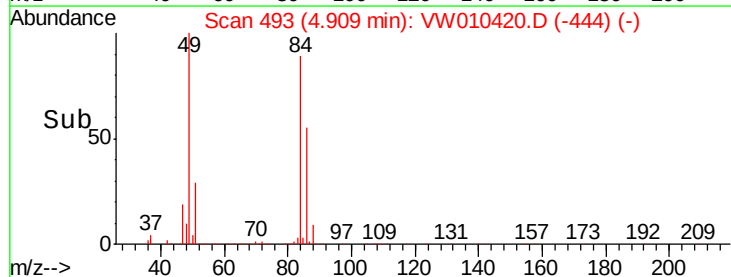
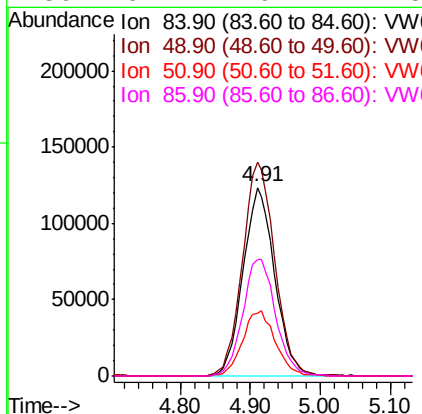
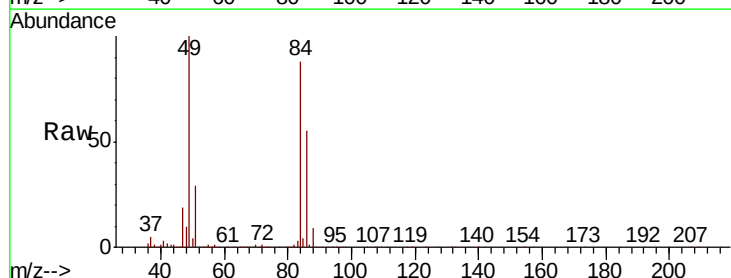
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

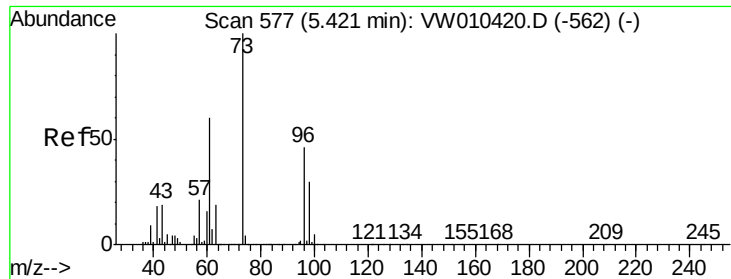
Tgt Ion: 73 Resp: 1058105
Ion Ratio Lower Upper
73 100
57 21.2 17.0 25.4



#20
Methylene Chloride
Concen: 47.481 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 84 Resp: 386988
Ion Ratio Lower Upper
84 100
49 113.2 90.6 135.8
51 33.3 26.6 40.0
86 62.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 51.031 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

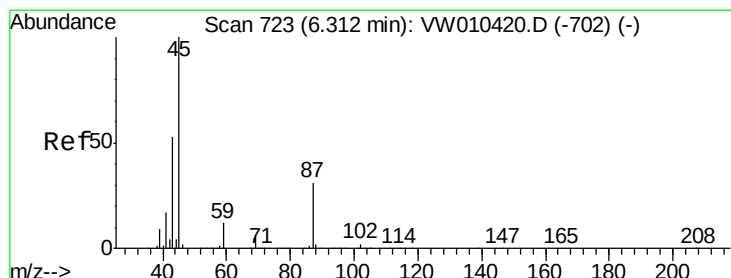
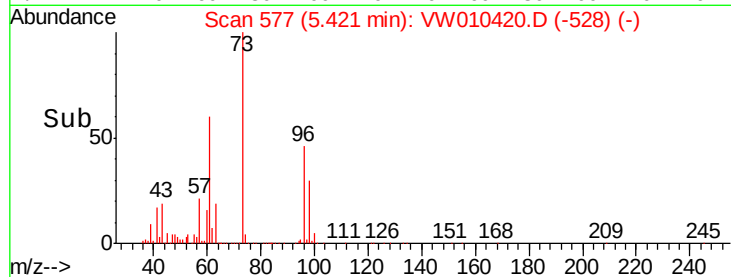
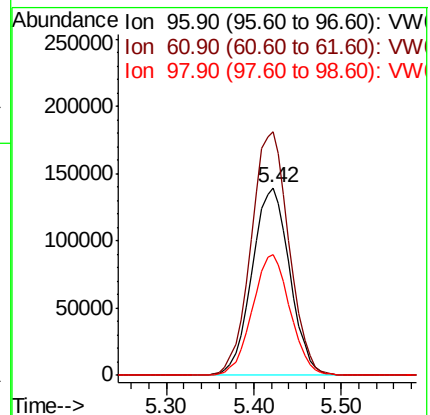
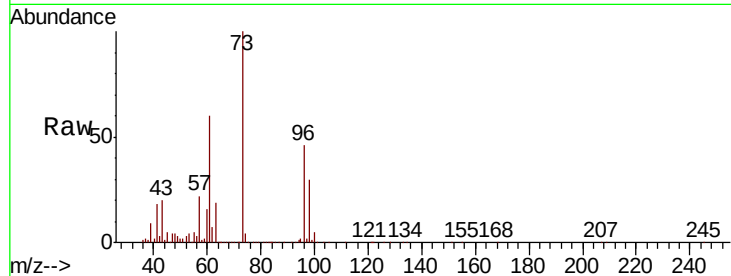
Tgt Ion: 96 Resp: 417644

Ion Ratio Lower Upper

96 100

61 129.9 103.9 155.9

98 64.4 51.5 77.3



#22

Diisopropyl ether

Concen: 53.482 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion: 45 Resp: 1214160

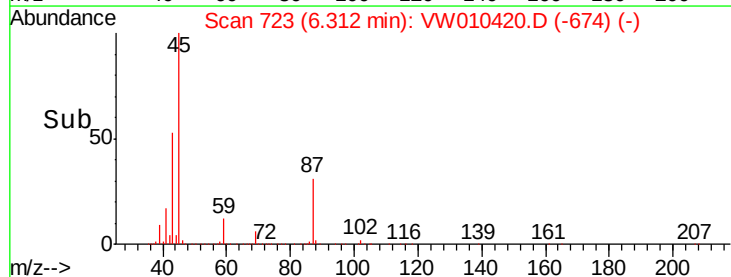
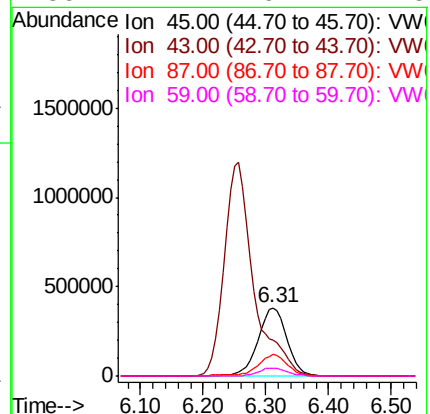
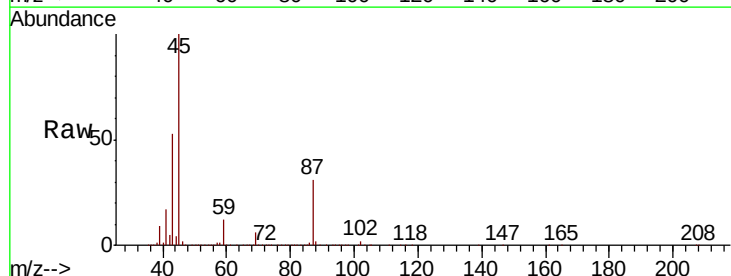
Ion Ratio Lower Upper

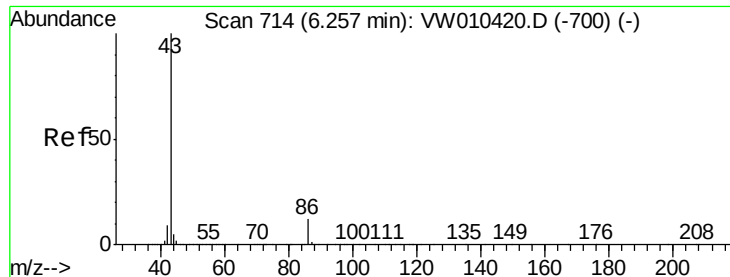
45 100

43 52.5 42.0 63.0

87 31.3 25.0 37.6

59 12.1 9.7 14.5





#23

Vinyl Acetate

Concen: 250.796 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampled :

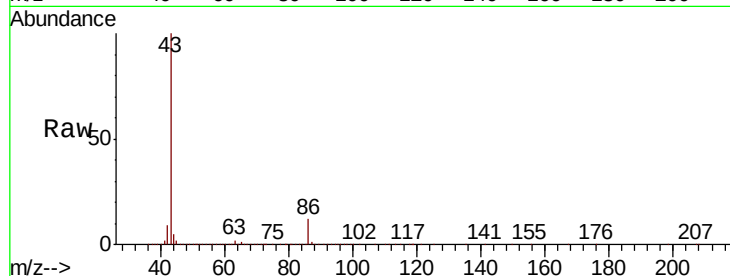
VSTDICCC050

Tgt Ion: 43 Resp: 3875895

Ion Ratio Lower Upper

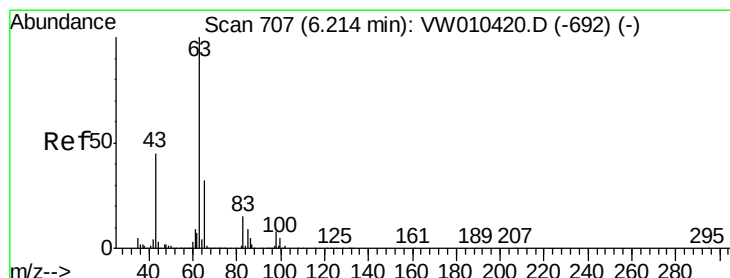
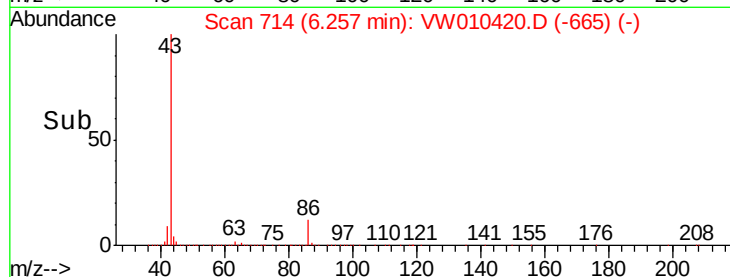
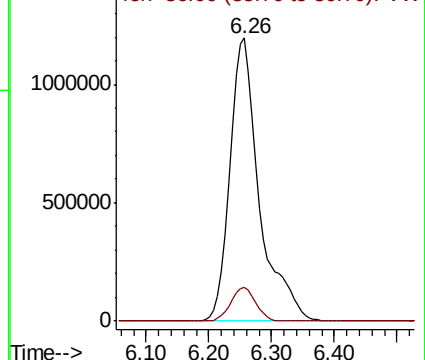
43 100

86 12.1 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.146 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

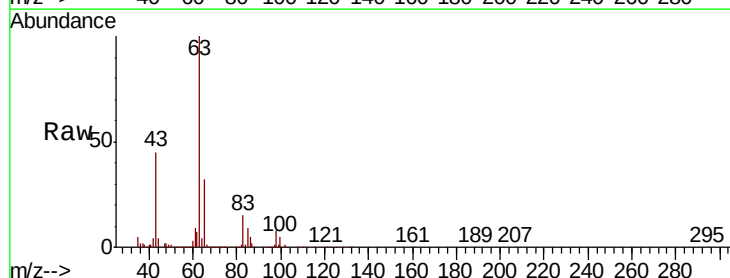
Tgt Ion: 63 Resp: 694237

Ion Ratio Lower Upper

63 100

98 8.0 4.0 12.0

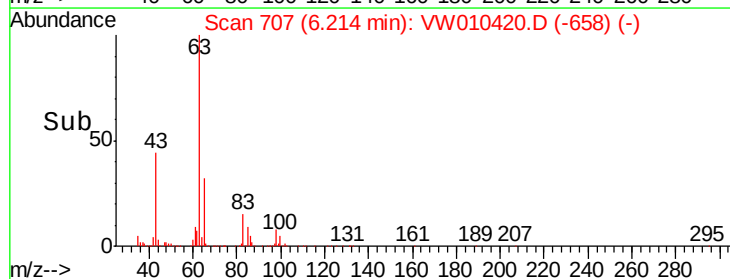
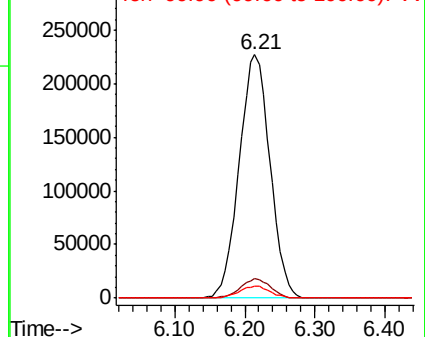
100 4.8 2.4 7.2

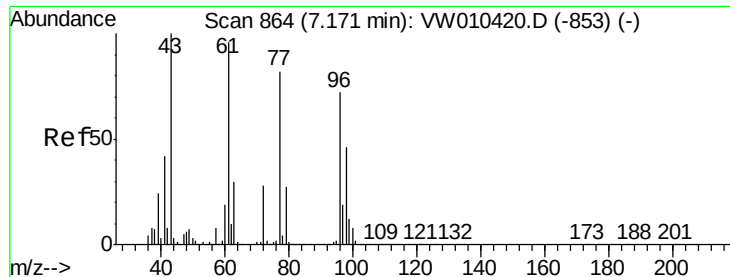


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 238.536 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

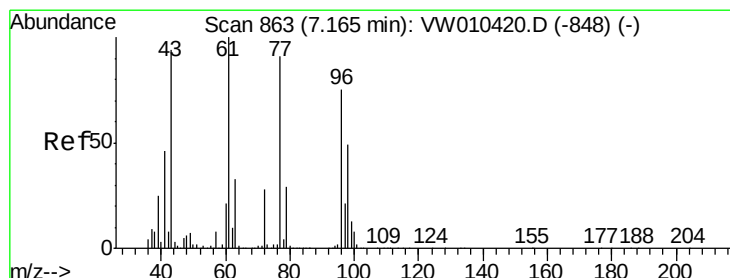
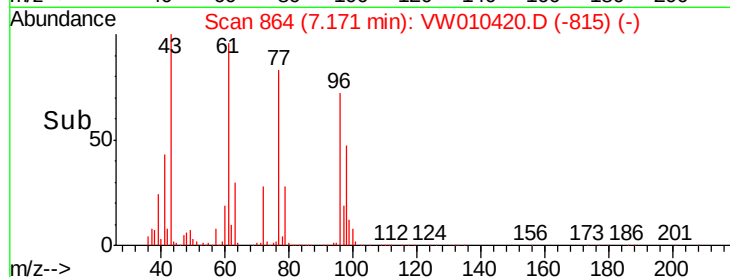
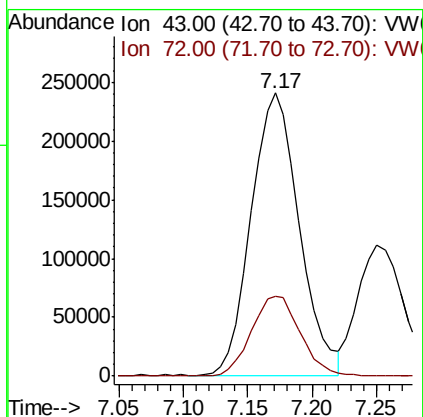
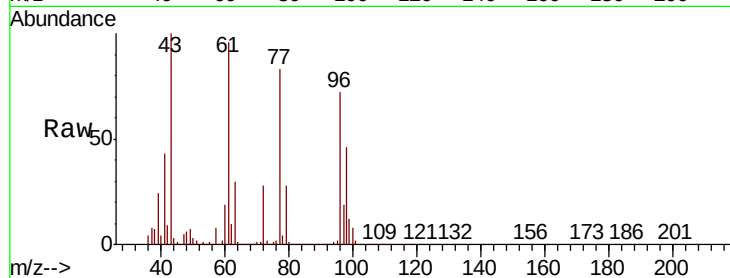
VSTDICCC050

Tgt Ion: 43 Resp: 623176

Ion Ratio Lower Upper

43 100

72 28.2 22.6 33.8



#26

2,2-Dichloropropane

Concen: 77.913 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010420.D

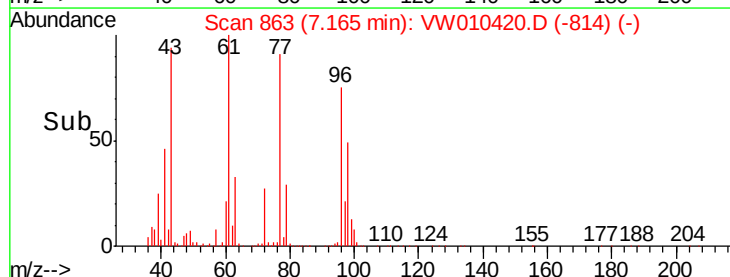
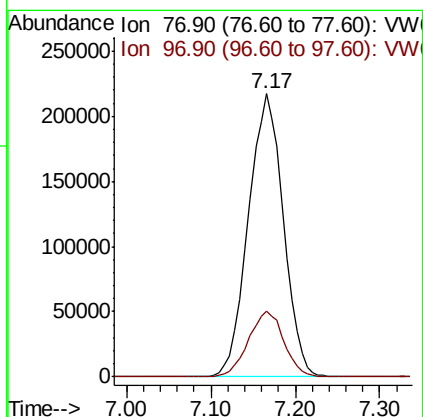
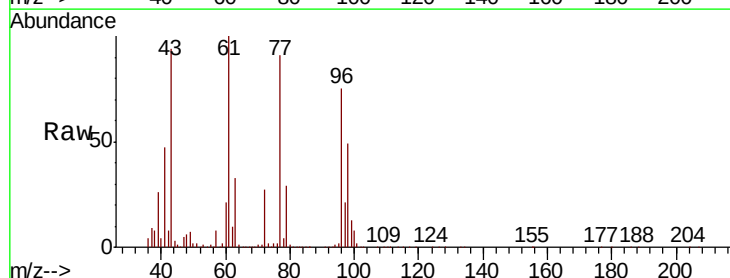
Acq: 17 May 2019 18:24

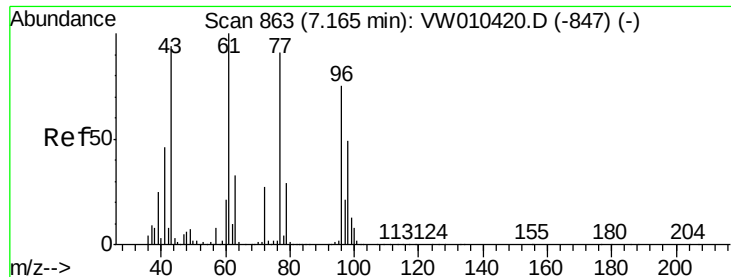
Tgt Ion: 77 Resp: 613963

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



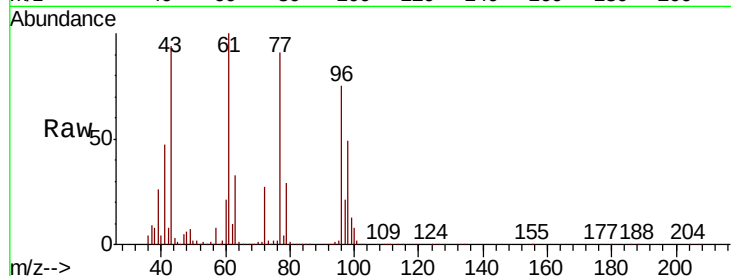


#27

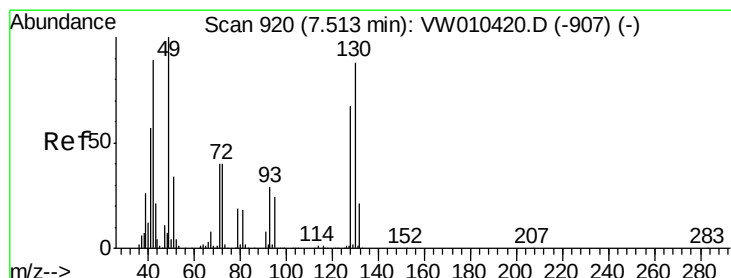
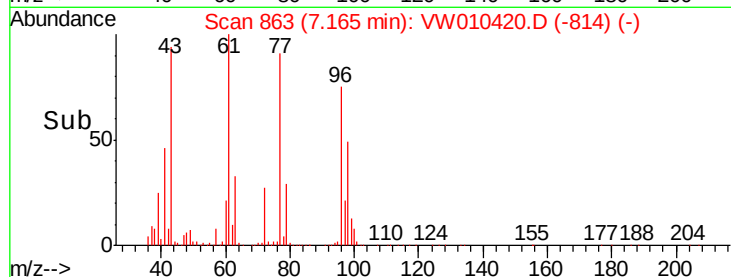
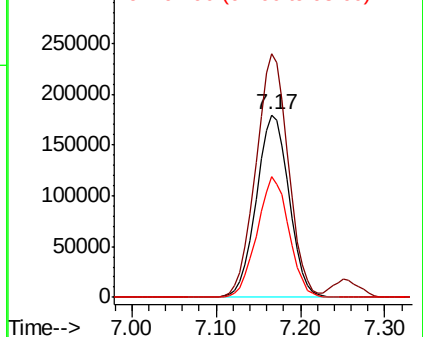
cis-1,2-Dichloroethene
Concen: 50.269 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 474722
Ion Ratio Lower Upper
96 100
61 133.2 0.0 266.4
98 64.8 0.0 129.6



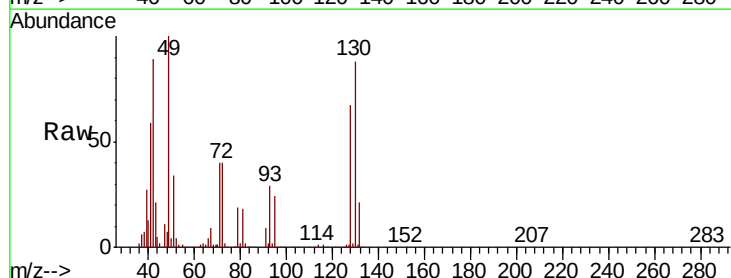
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



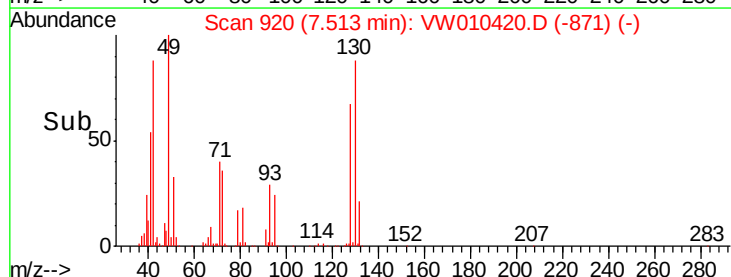
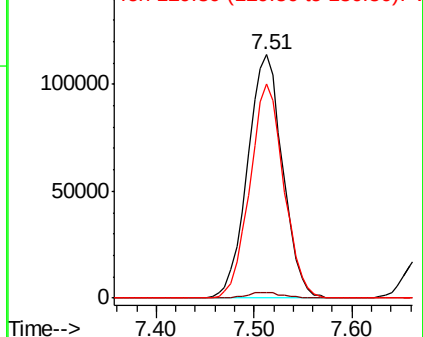
#28

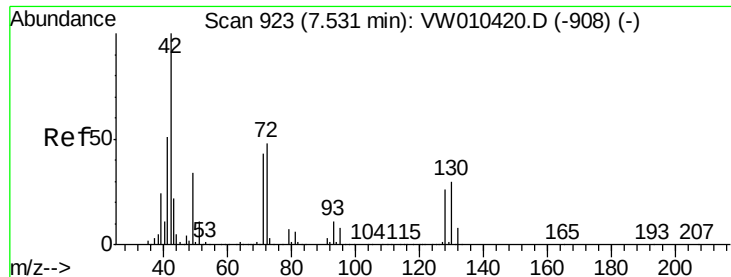
Bromochloromethane
Concen: 49.283 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 49 Resp: 282996
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 85.3 68.2 102.4



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: 238.559 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

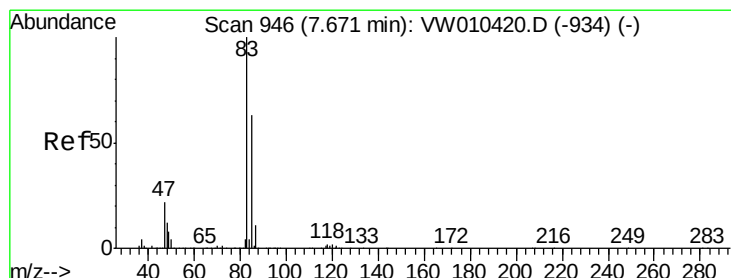
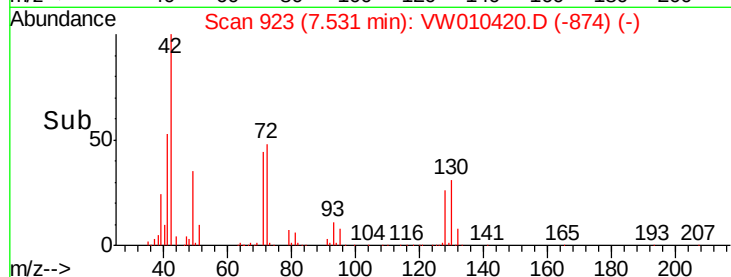
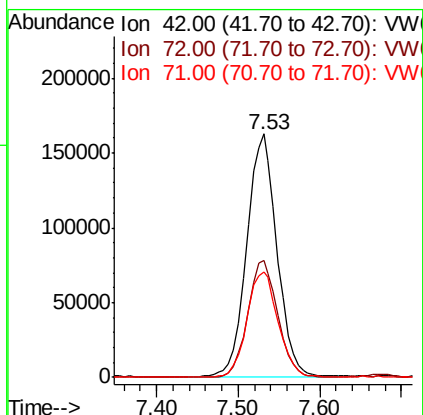
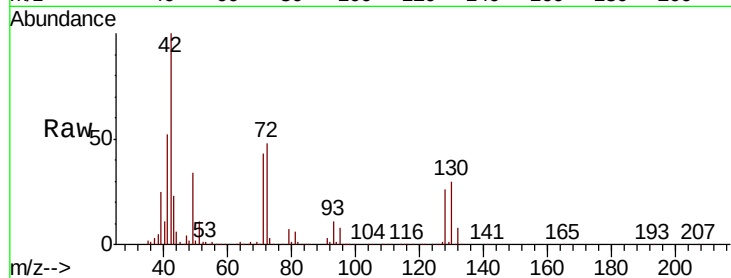
Tgt Ion: 42 Resp: 417492

Ion Ratio Lower Upper

42 100

72 47.7 38.2 57.2

71 45.0 36.0 54.0



#30

Chloroform

Concen: 51.029 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010420.D

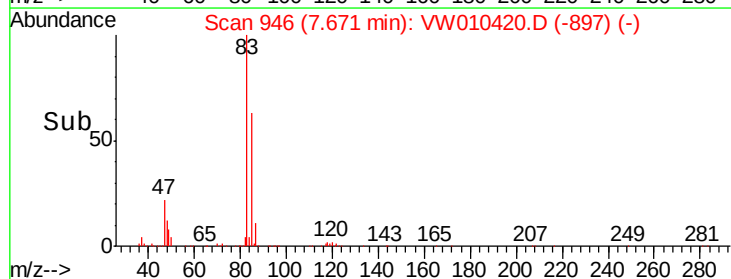
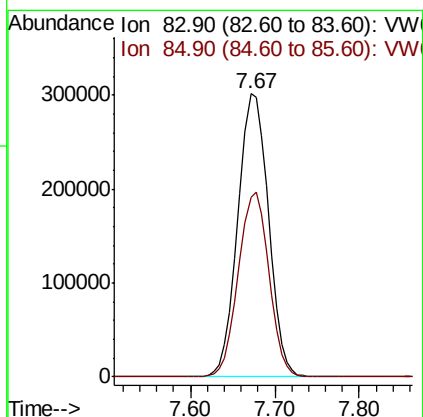
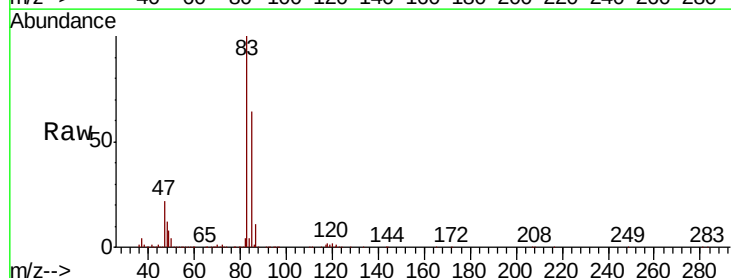
Acq: 17 May 2019 18:24

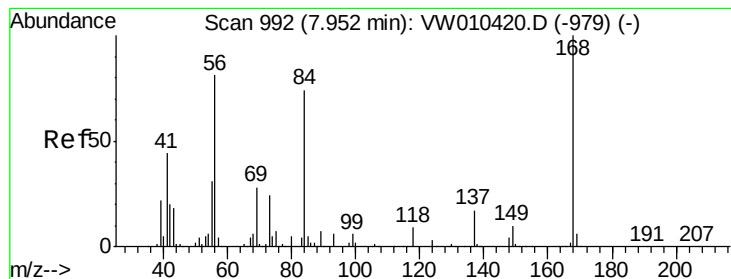
Tgt Ion: 83 Resp: 742243

Ion Ratio Lower Upper

83 100

85 63.5 50.8 76.2





#31

Cyclohexane

Concen: 48.635 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

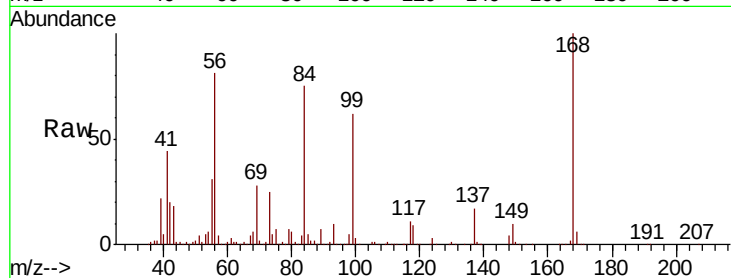
Tgt Ion: 56 Resp: 654802

Ion Ratio Lower Upper

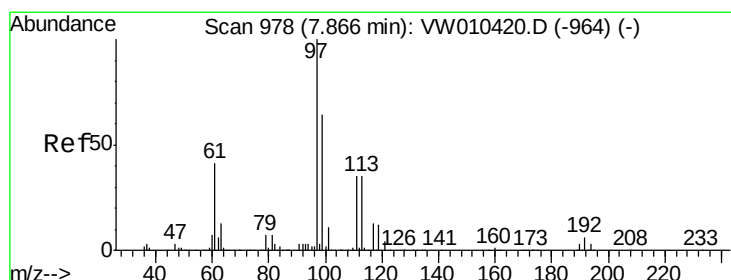
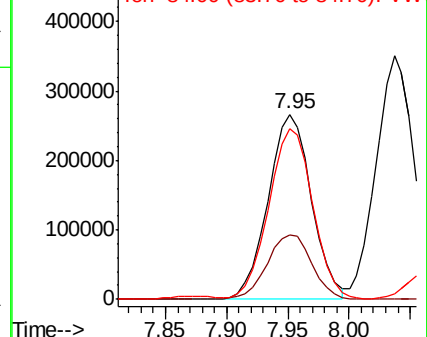
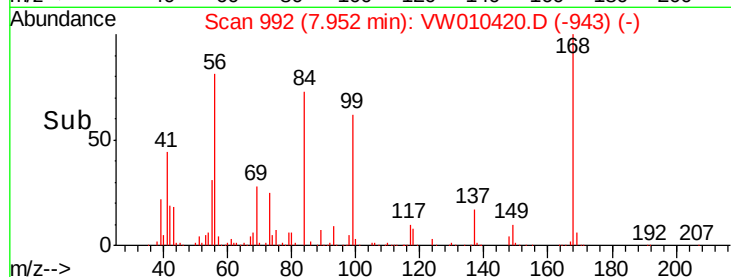
56 100

69 34.5 27.6 41.4

84 91.1 72.9 109.3



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: 59.130 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

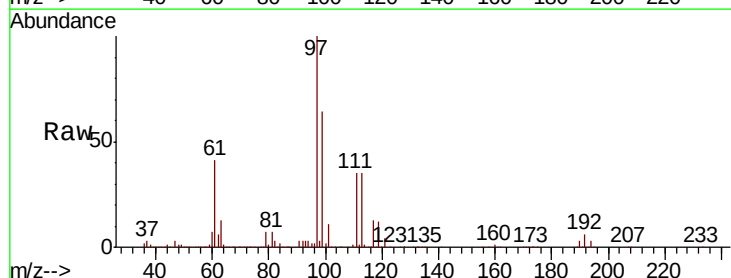
Tgt Ion: 97 Resp: 693504

Ion Ratio Lower Upper

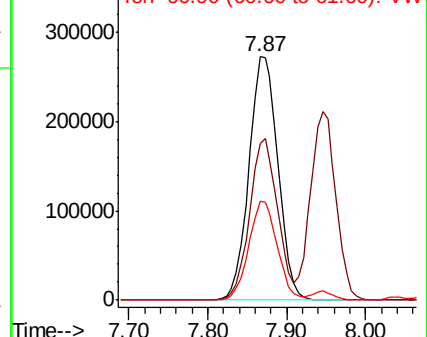
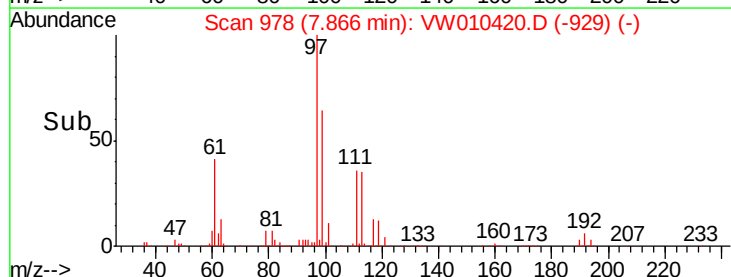
97 100

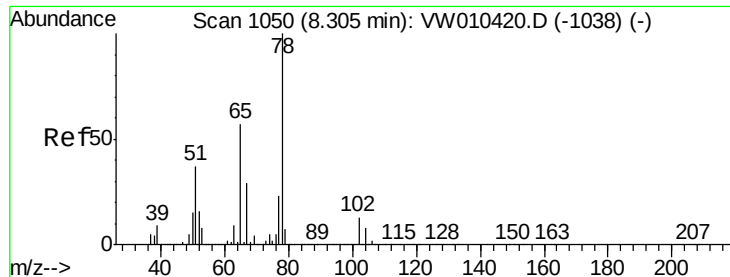
99 64.3 51.4 77.2

61 40.0 32.0 48.0



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

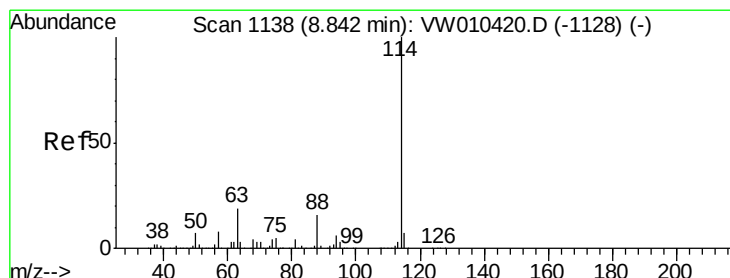
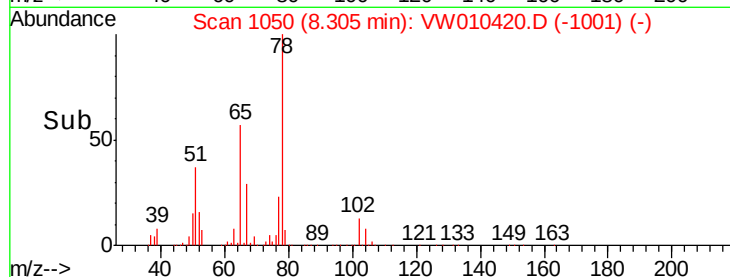
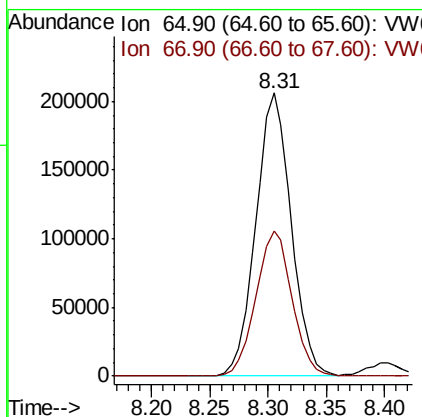
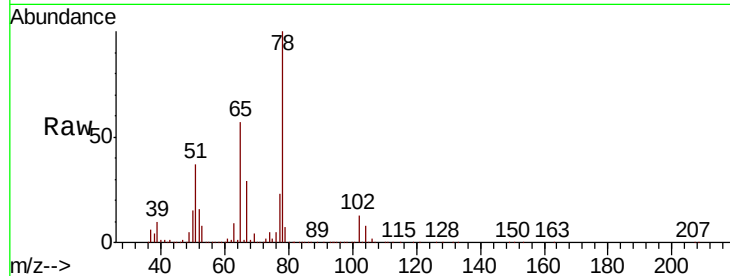




#33
 1,2-Dichloroethane-d4
 Concen: 56.113 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

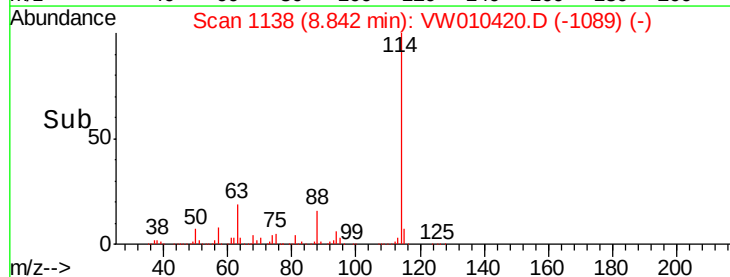
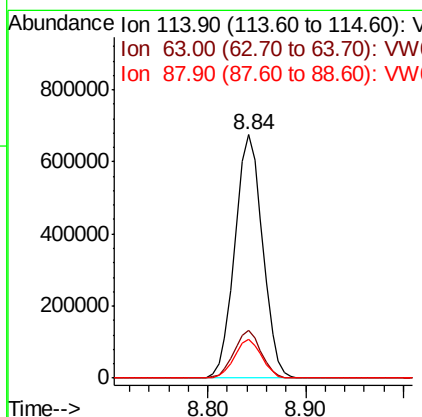
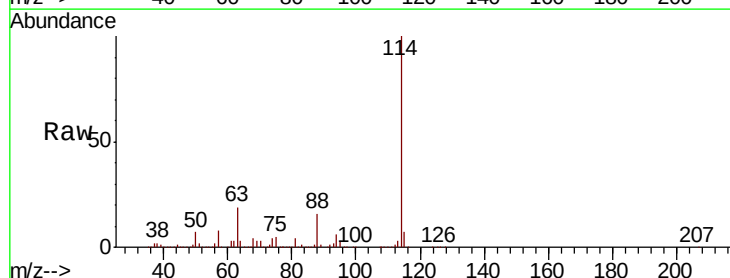
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

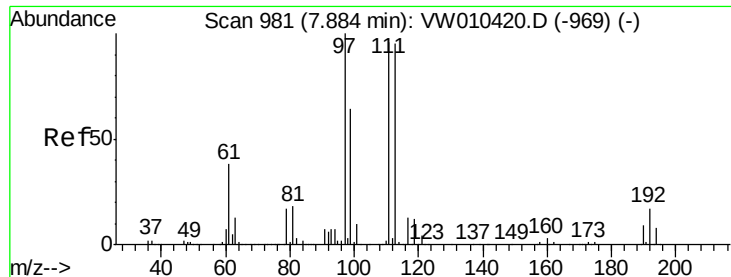
Tgt Ion: 65 Resp: 436428
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 114 Resp: 1328310
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 15.8 0.0 31.6

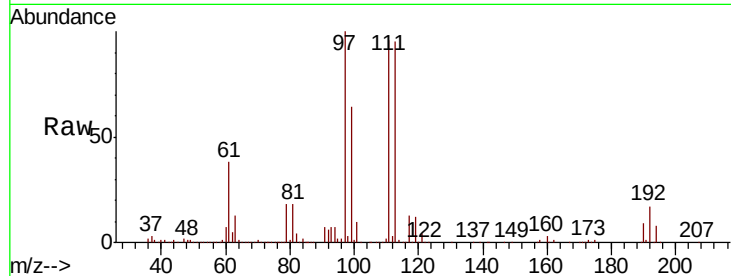




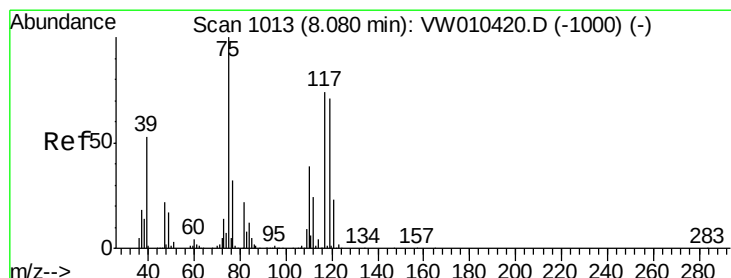
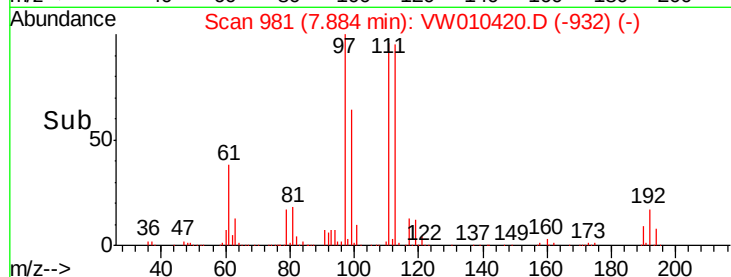
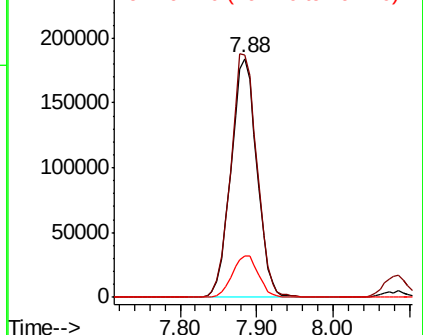
#35
 Dibromofluoromethane
 Concen: 54.408 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 430518
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.5 123.7
 192 17.8 14.2 21.4

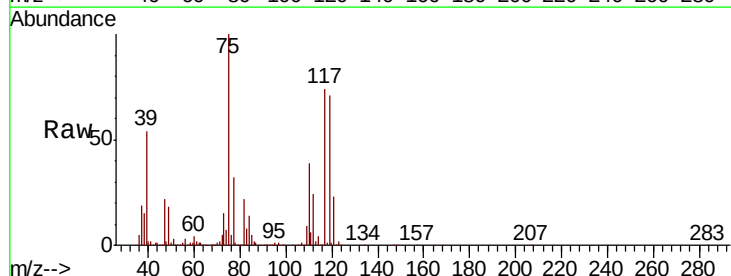


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

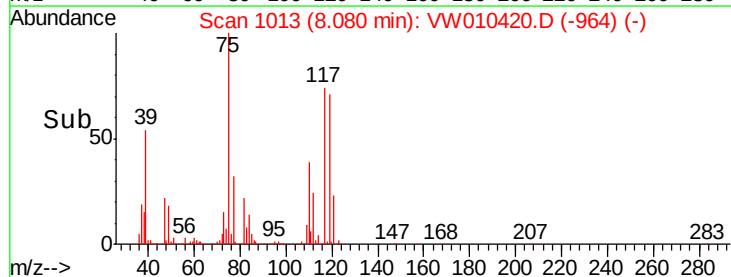
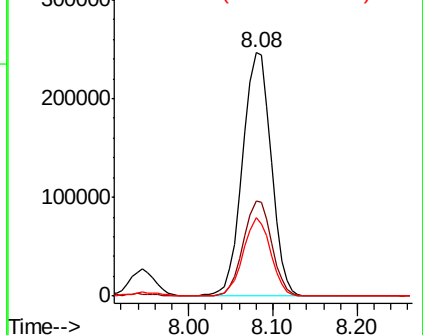


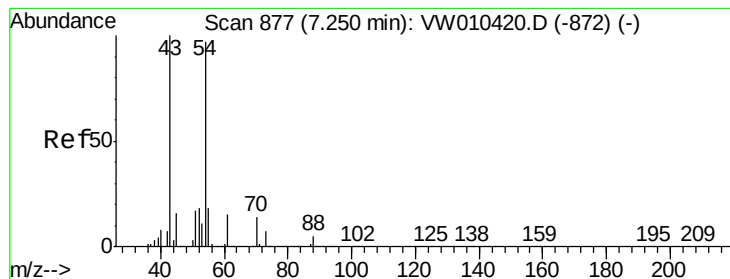
#36
 1,1-Dichloropropene
 Concen: 49.367 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 75 Resp: 564255
 Ion Ratio Lower Upper
 75 100
 110 38.7 19.4 58.1
 77 30.9 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 48.734 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

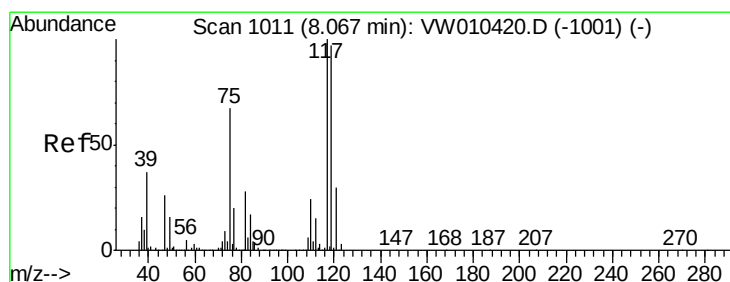
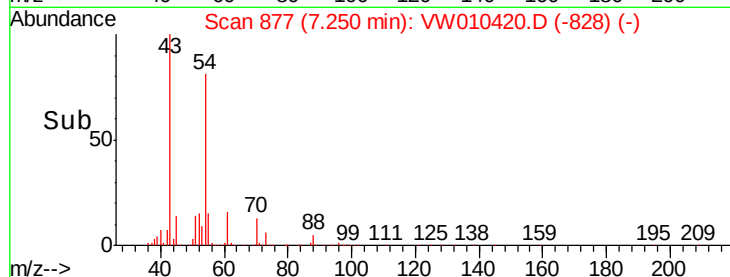
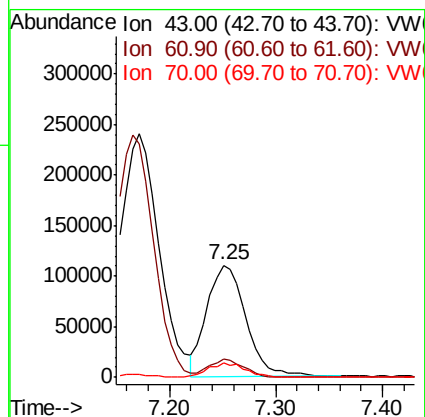
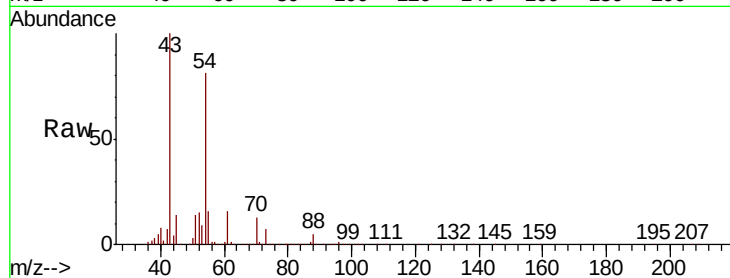
Tgt Ion: 43 Resp: 279297

Ion Ratio Lower Upper

43 100

61 14.7 11.8 17.6

70 11.7 9.4 14.0



#38

Carbon Tetrachloride

Concen: 52.582 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

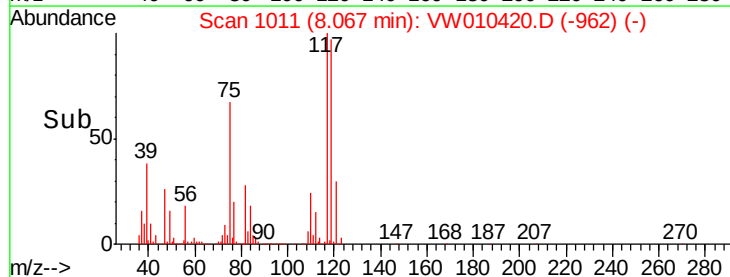
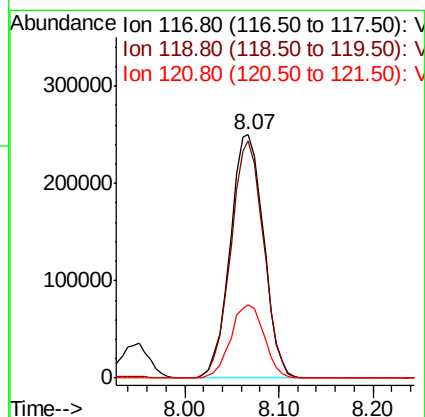
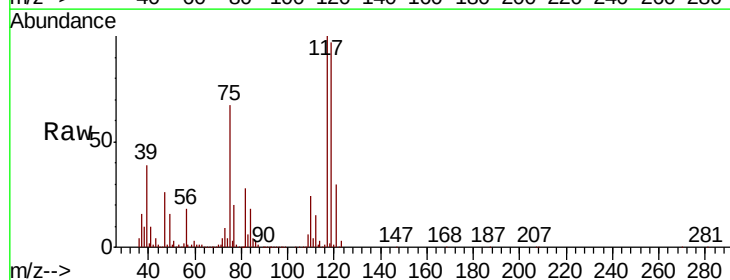
Tgt Ion: 117 Resp: 616394

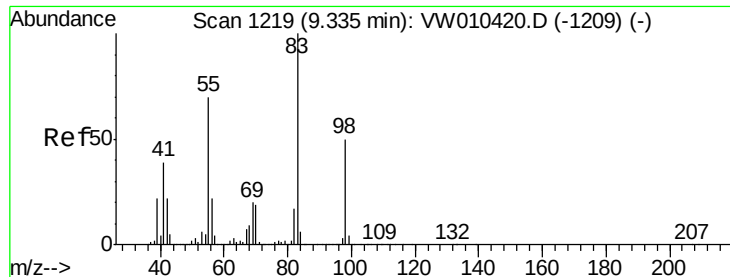
Ion Ratio Lower Upper

117 100

119 97.2 77.8 116.6

121 30.2 24.2 36.2

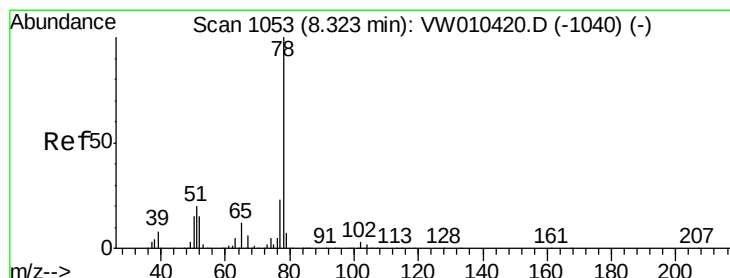
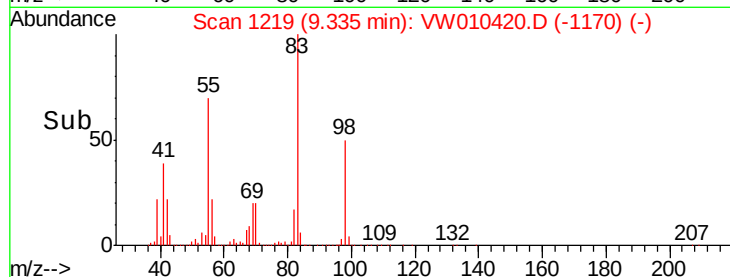
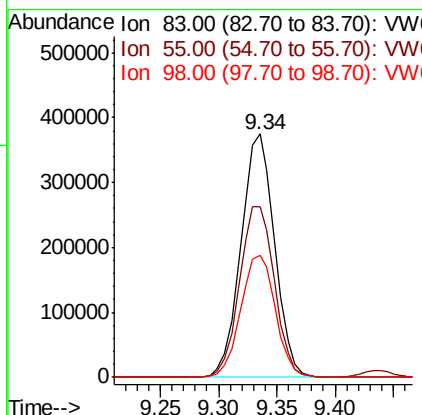
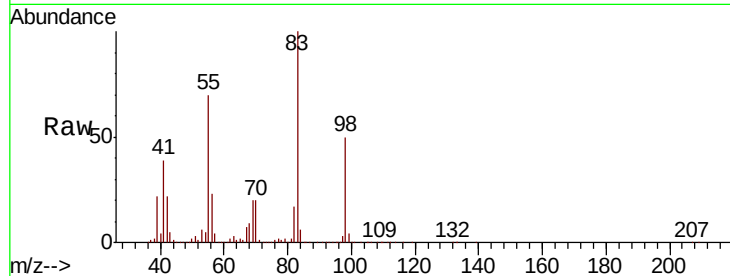




#39
Methylcyclohexane
Concen: 49.779 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

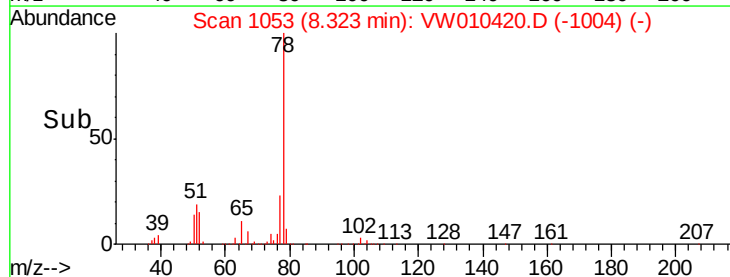
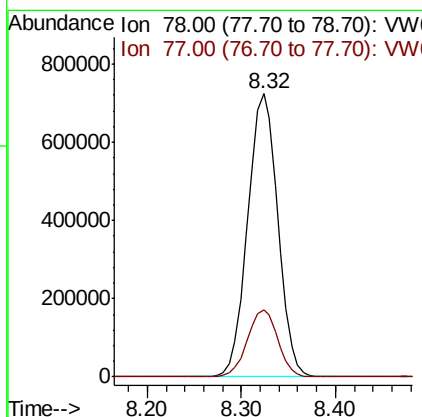
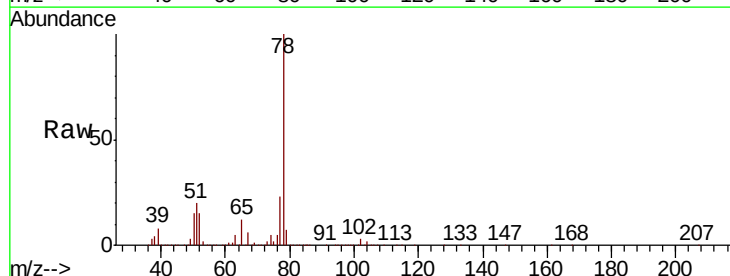
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

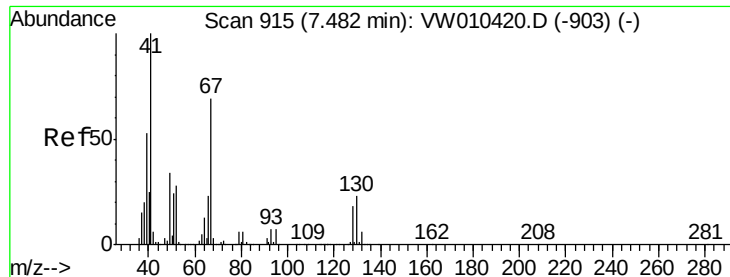
Tgt Ion: 83 Resp: 753719
Ion Ratio Lower Upper
83 100
55 69.6 55.7 83.5
98 50.3 40.2 60.4



#40
Benzene
Concen: 48.674 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 78 Resp: 1618311
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

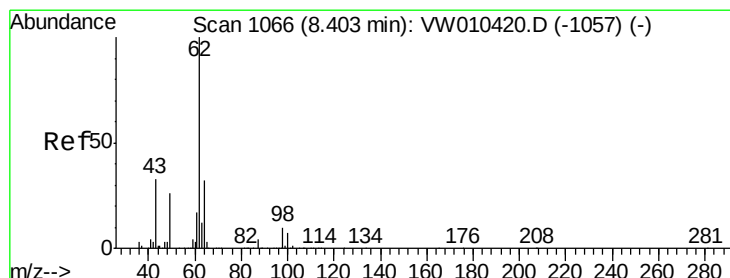
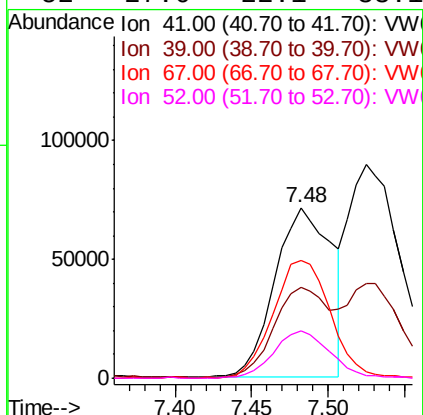
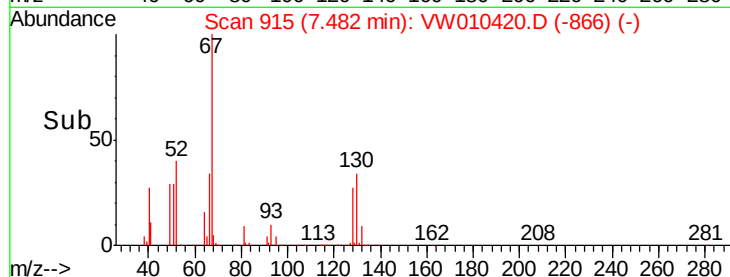
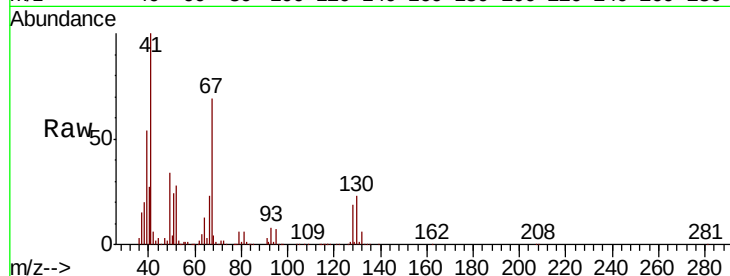




#41
Methacrylonitrile
Concen: 53.069 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

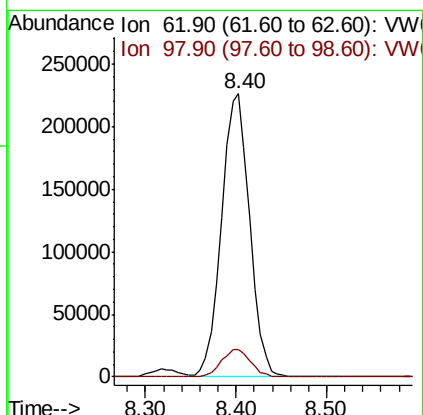
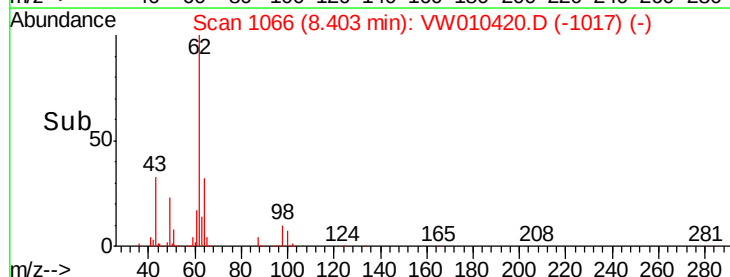
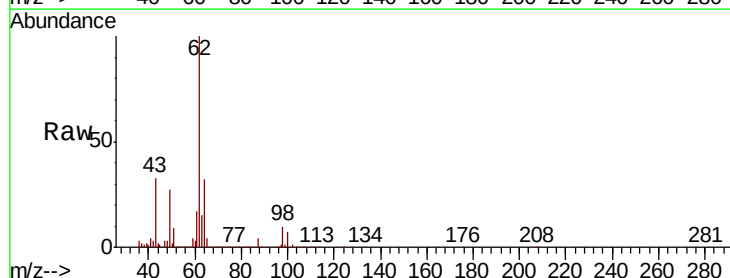
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

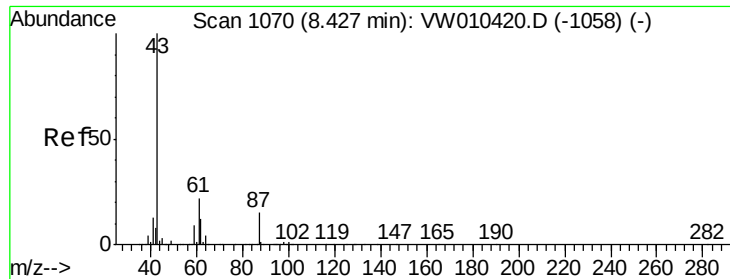
Tgt Ion:	41	Resp:	184792
Ion	Ratio	Lower	Upper
41	100		
39	47.6	38.1	57.1
67	69.4	55.5	83.3
52	27.6	22.1	33.1



#42
1,2-Dichloroethane
Concen: 50.338 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion:	62	Resp:	488025
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.640 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

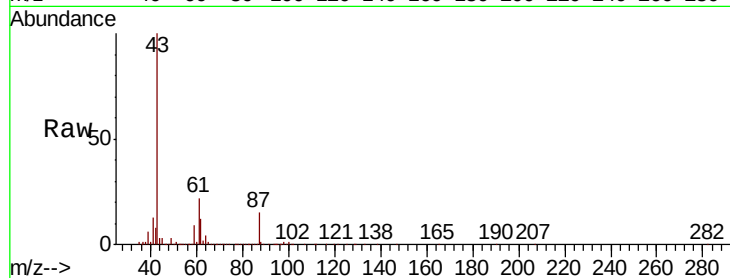
Tgt Ion: 43 Resp: 574302

Ion Ratio Lower Upper

43 100

61 30.5 24.4 36.6

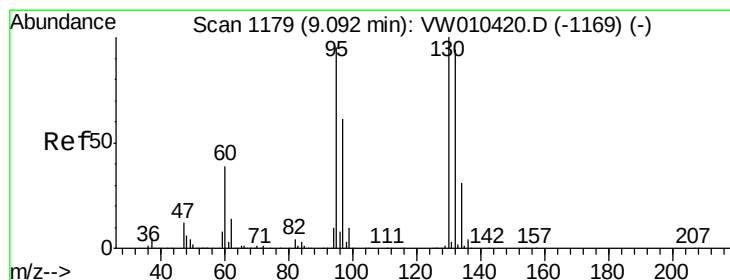
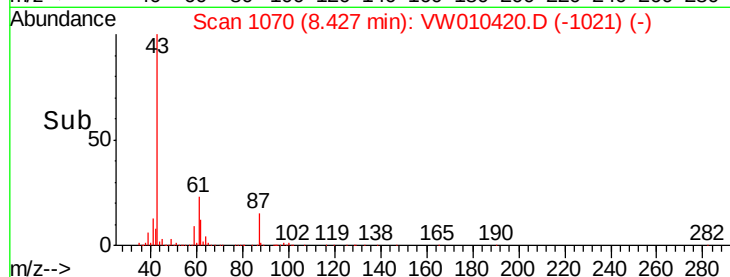
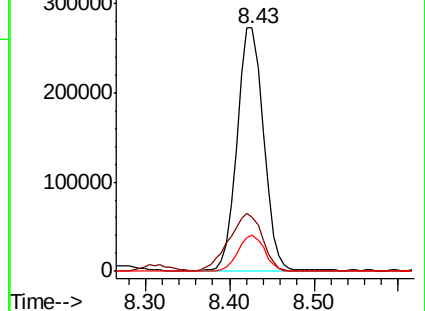
87 14.8 11.8 17.8



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: 49.512 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010420.D

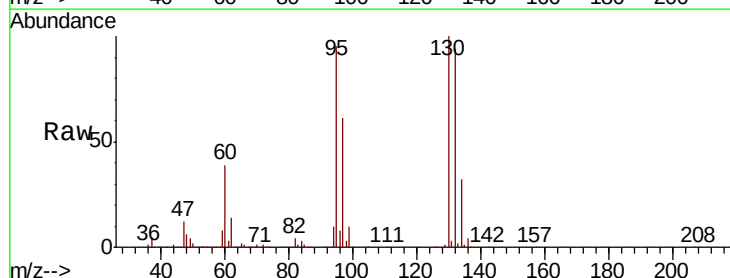
Acq: 17 May 2019 18:24

Tgt Ion: 130 Resp: 470149

Ion Ratio Lower Upper

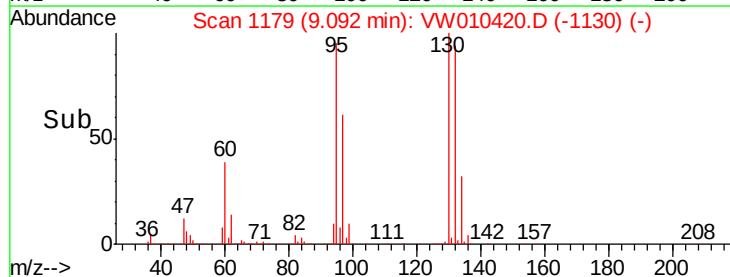
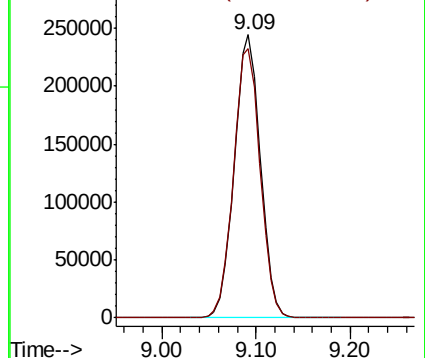
130 100

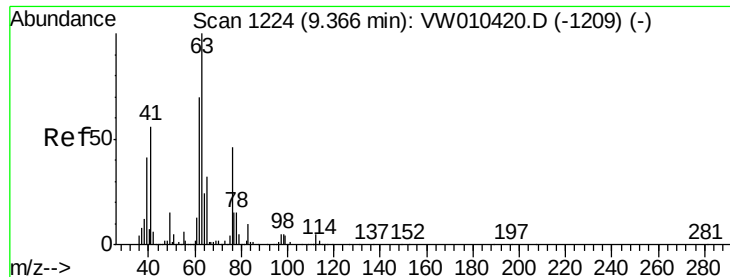
95 95.2 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

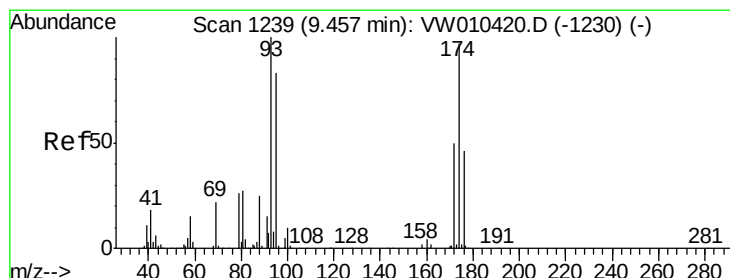
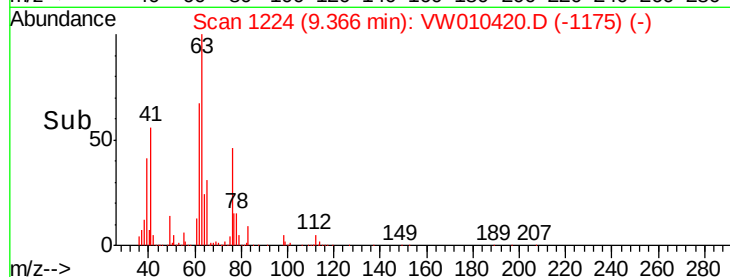
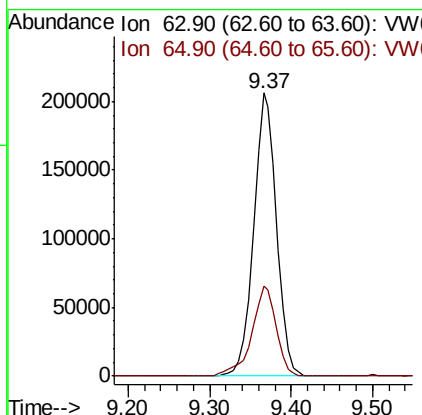
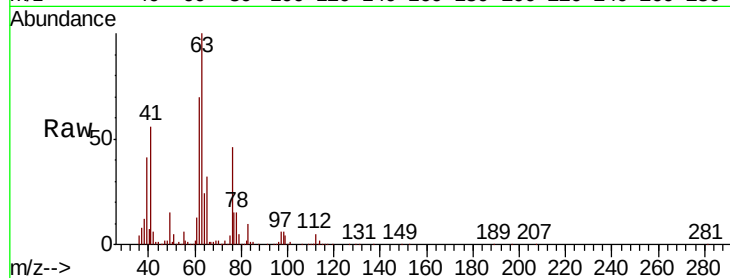




#45
 1,2-Dichloropropane
 Concen: 48.966 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

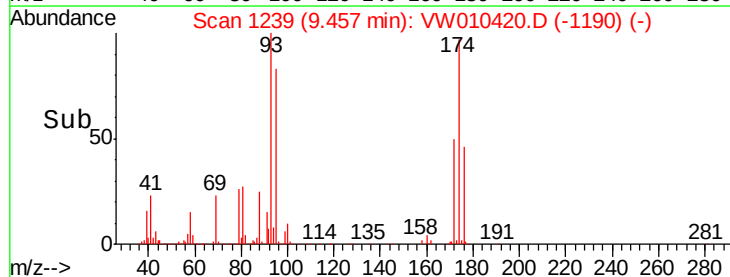
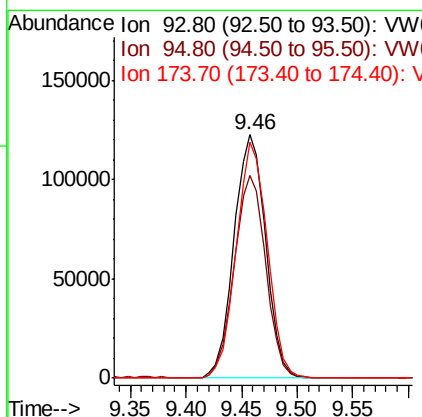
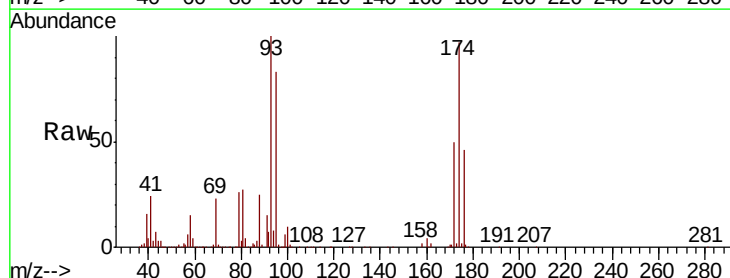
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

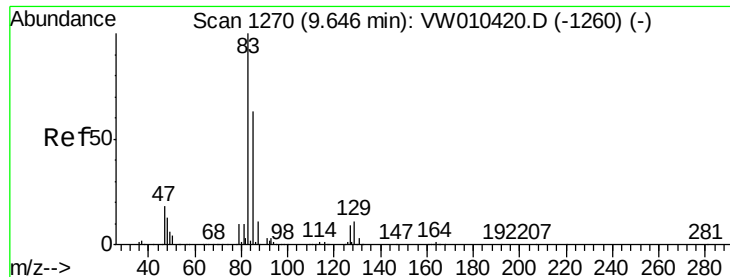
Tgt Ion: 63 Resp: 403906
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.4 38.2



#46
 Dibromomethane
 Concen: 50.230 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 93 Resp: 241257
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 95.5 76.4 114.6





#47

Bromodichloromethane

Concen: 50.468 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

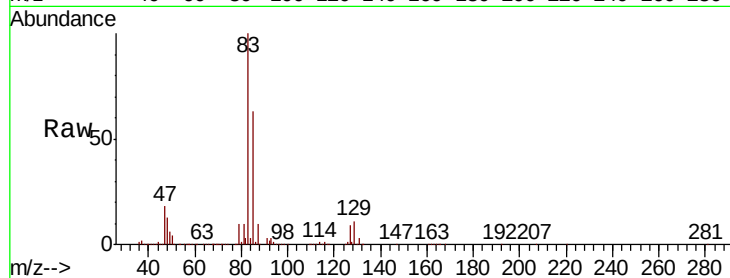
Tgt Ion: 83 Resp: 594437

Ion Ratio Lower Upper

83 100

85 62.5 50.0 75.0

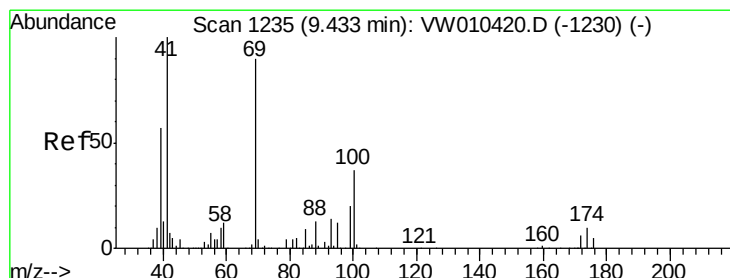
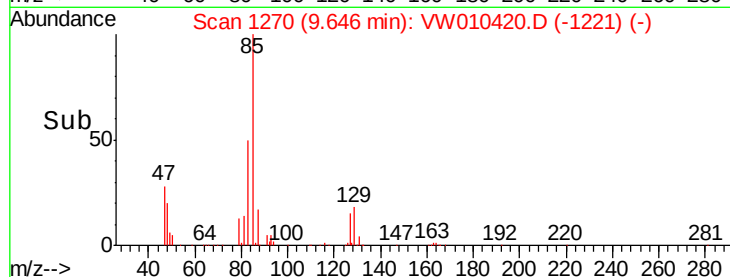
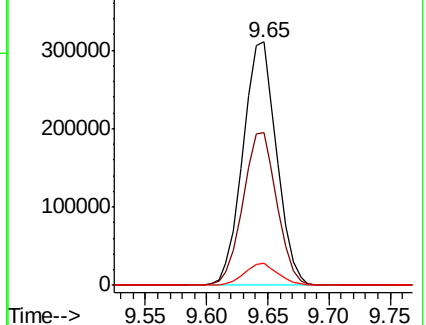
127 9.1 7.3 10.9



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: 47.813 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

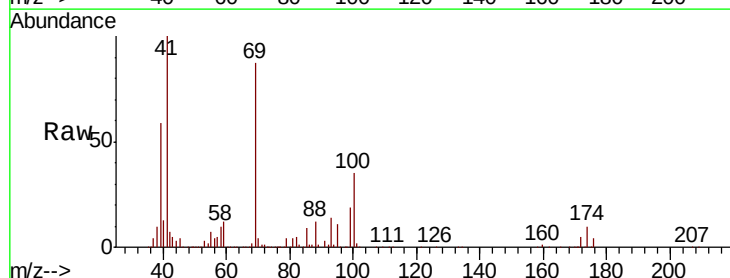
Tgt Ion: 41 Resp: 259479

Ion Ratio Lower Upper

41 100

69 94.0 75.2 112.8

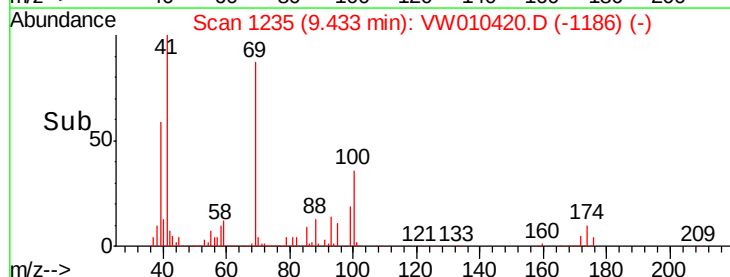
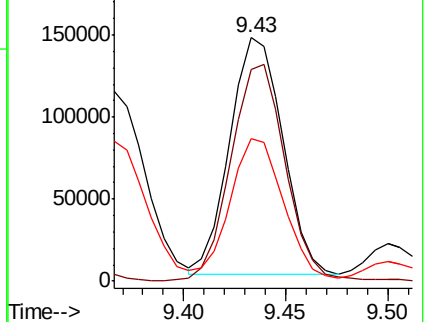
39 58.5 46.8 70.2

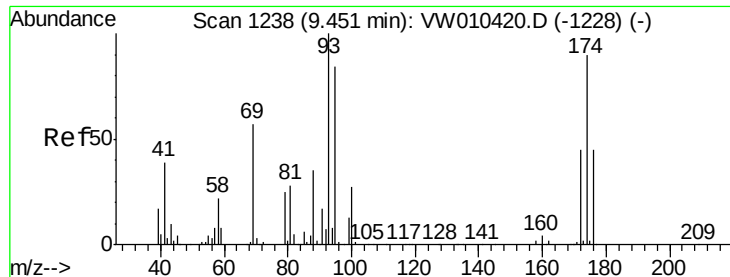


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

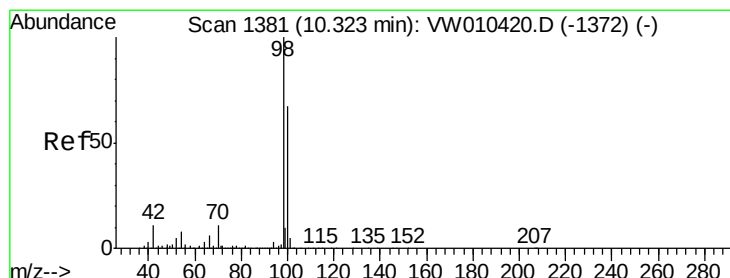
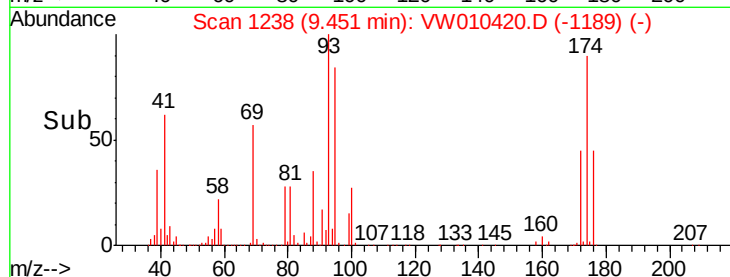
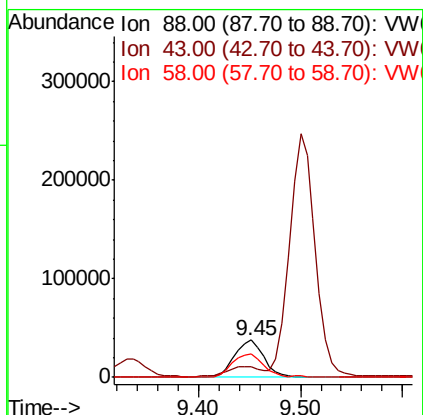
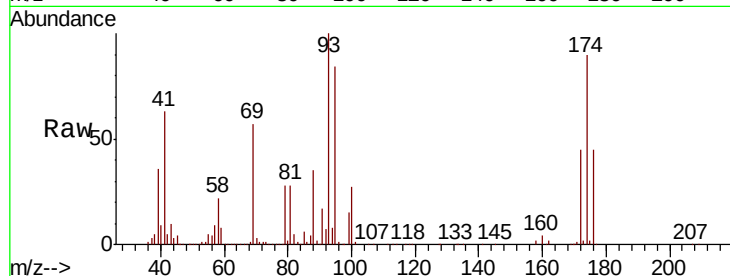




#49
 1,4-Dioxane
 Concen: 903.250 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

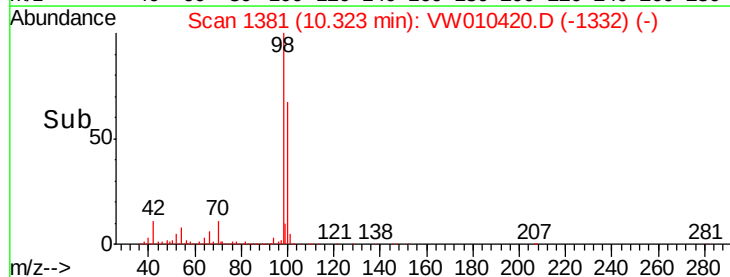
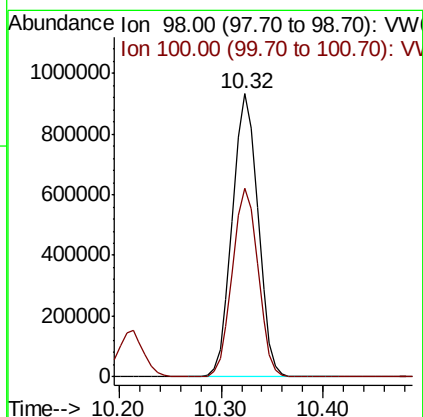
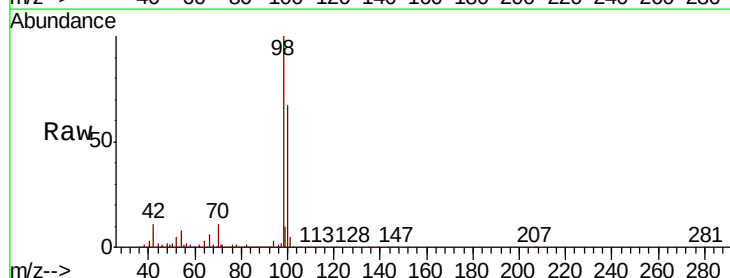
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

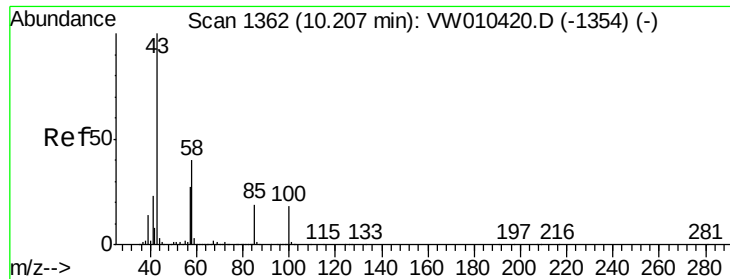
Tgt Ion: 88 Resp: 75824
 Ion Ratio Lower Upper
 88 100
 43 31.1 24.9 37.3
 58 68.8 55.0 82.6



#50
 Toluene-d8
 Concen: 54.212 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 98 Resp: 1623707
 Ion Ratio Lower Upper
 98 100
 100 66.6 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 236.840 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

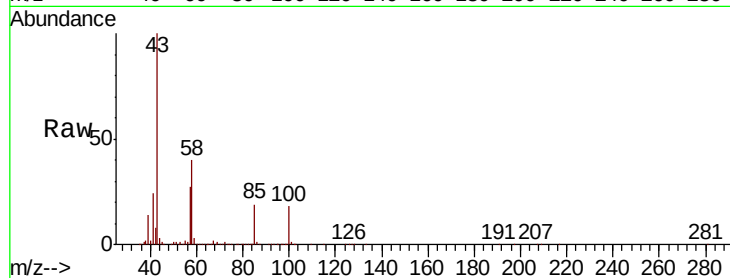
VSTDICCC050

Tgt Ion: 43 Resp: 1447700

Ion Ratio Lower Upper

43 100

58 40.9 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800000

600000

400000

200000

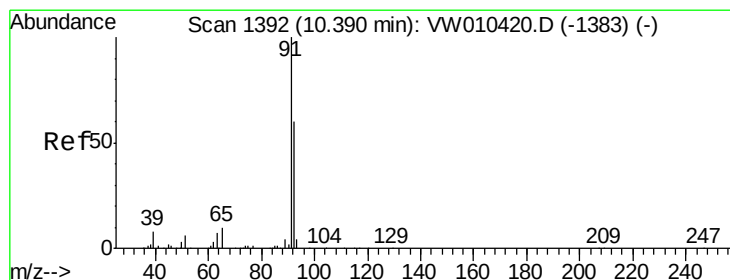
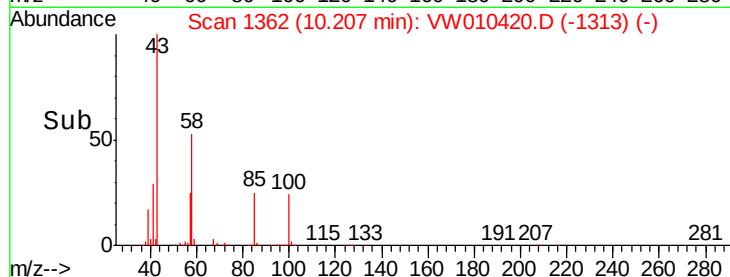
0

10.10

10.20

10.30

Time-->



#52

Toluene

Concen: 48.546 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010420.D

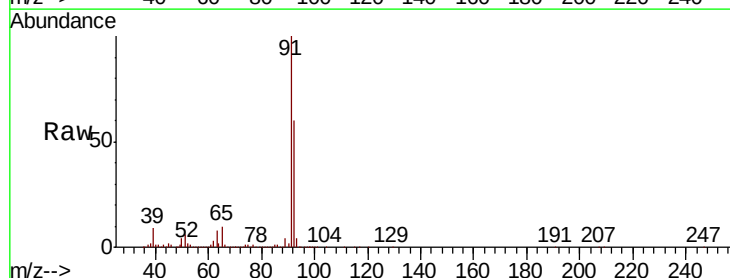
Acq: 17 May 2019 18:24

Tgt Ion: 92 Resp: 1075642

Ion Ratio Lower Upper

92 100

91 169.2 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

1200000

1000000

800000

600000

400000

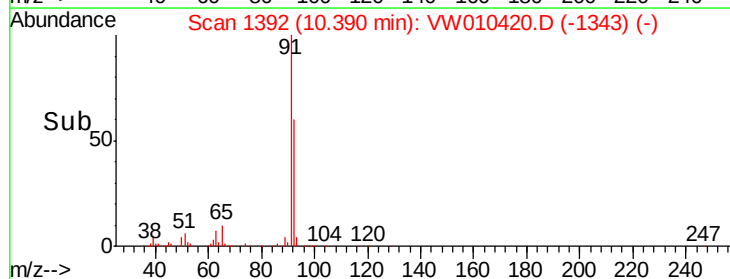
200000

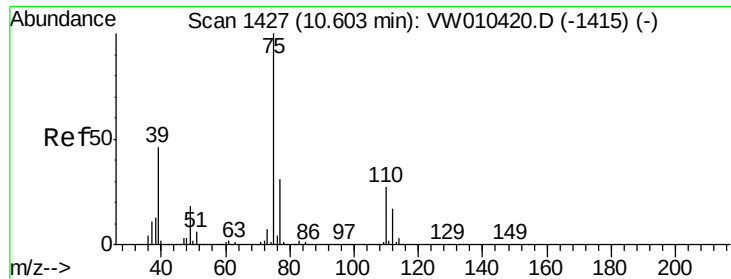
0

10.30

10.40

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.461 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

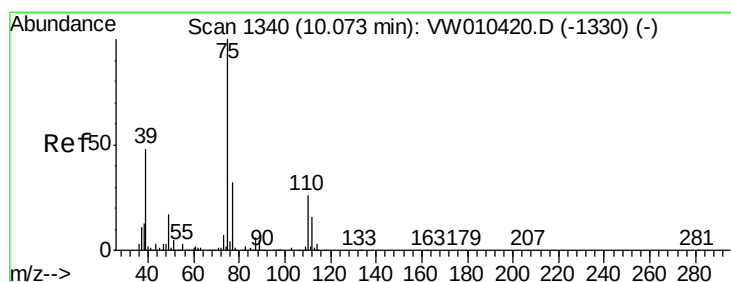
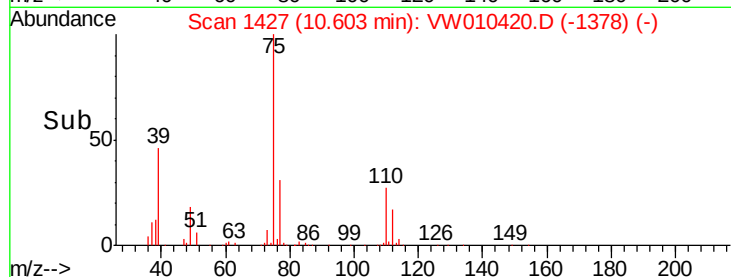
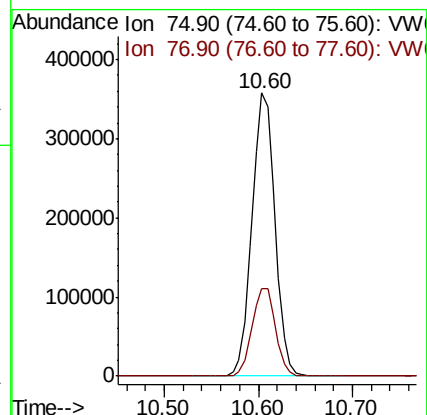
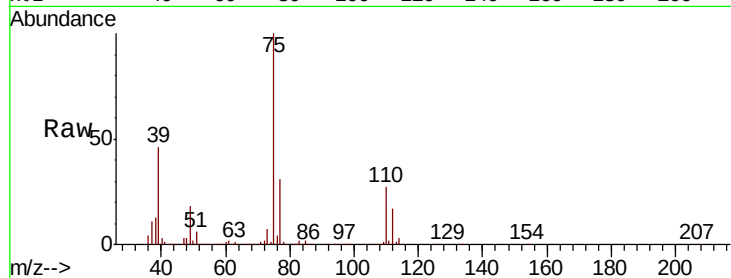
VSTDICCC050

Tgt Ion: 75 Resp: 613663

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 49.132 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

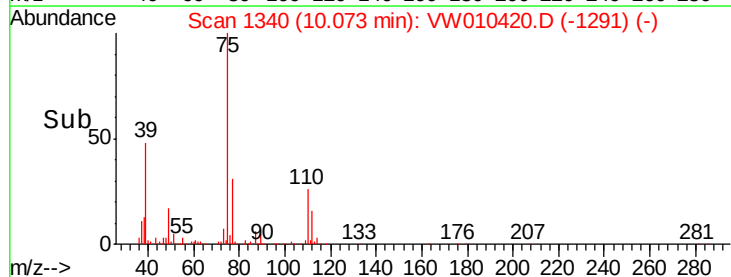
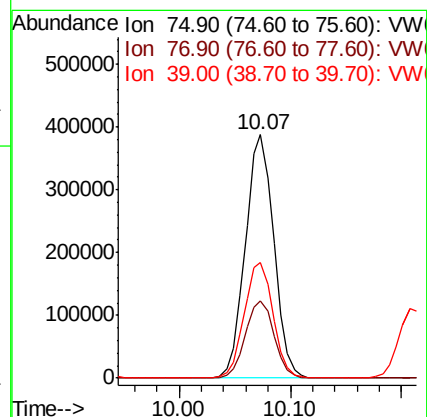
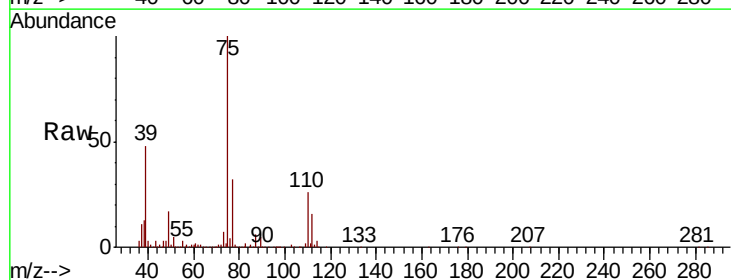
Tgt Ion: 75 Resp: 689158

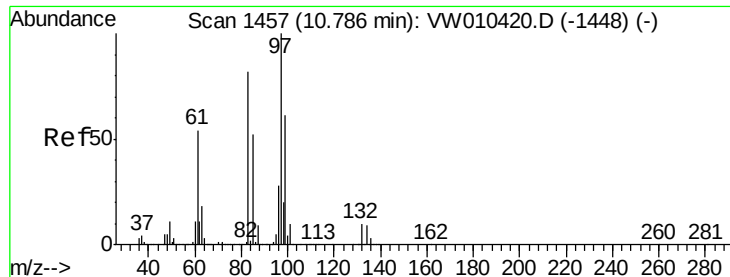
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 47.6 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 49.955 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 346943

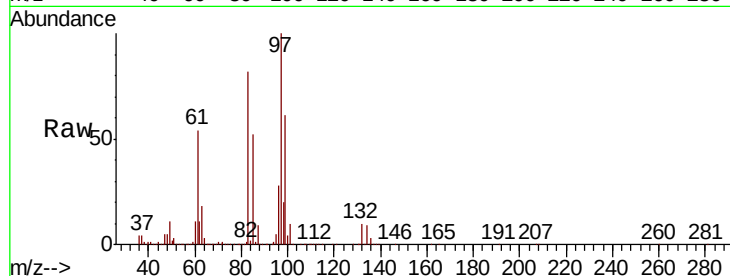
Ion Ratio Lower Upper

97 100

83 82.0 65.6 98.4

85 52.0 41.6 62.4

99 61.0 48.8 73.2

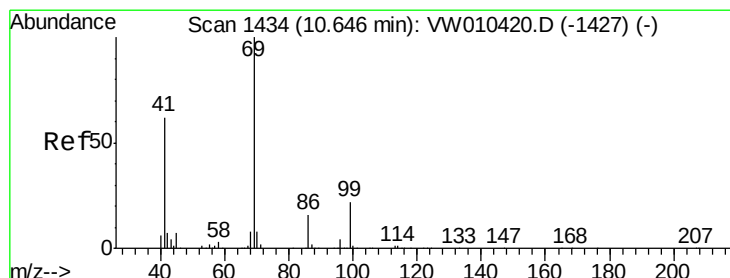
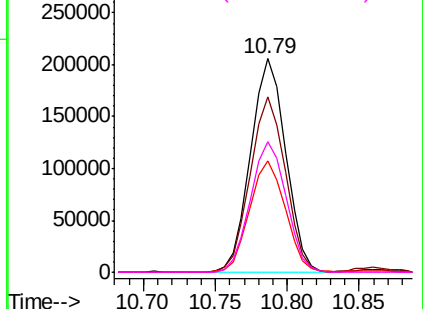
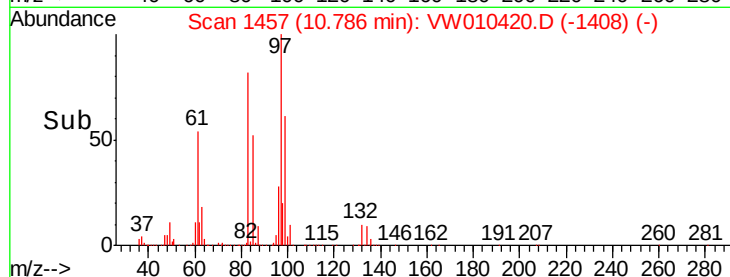


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 48.213 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

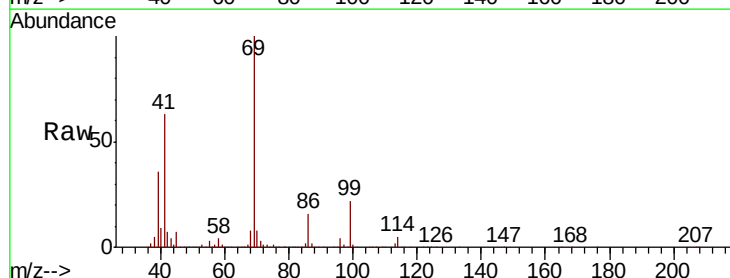
Tgt Ion: 69 Resp: 475460

Ion Ratio Lower Upper

69 100

41 62.5 50.0 75.0

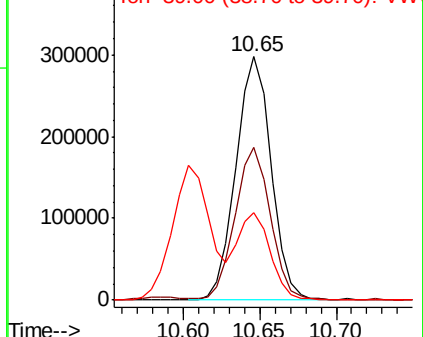
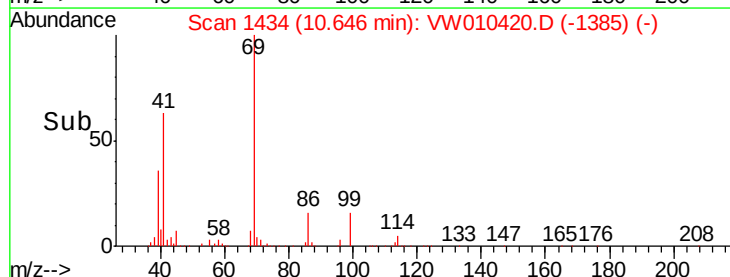
39 33.1 26.5 39.7

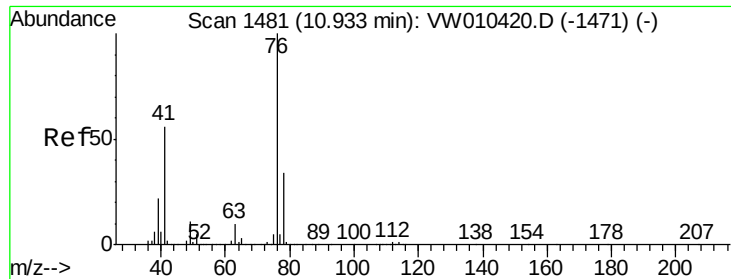


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

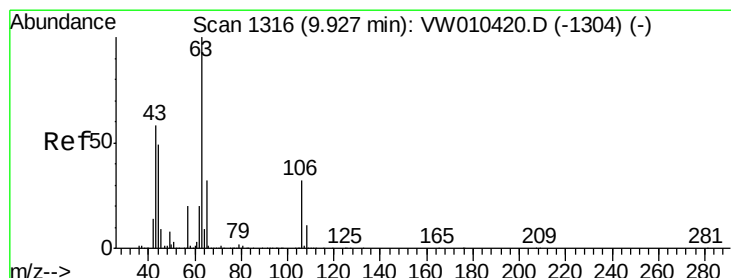
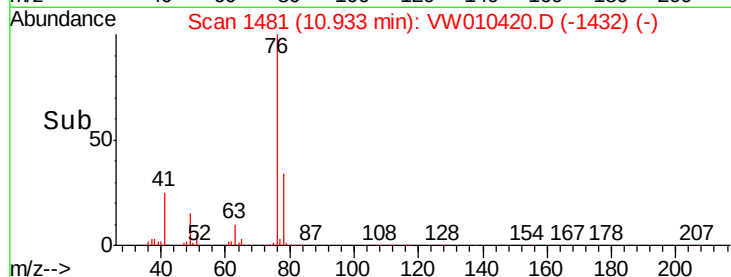
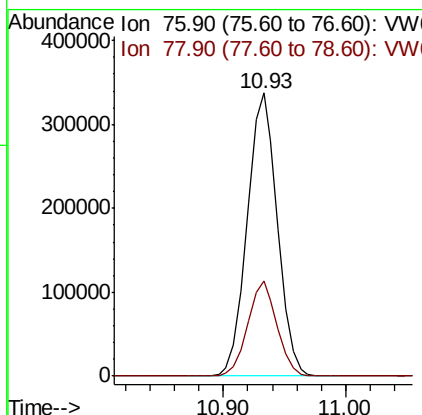
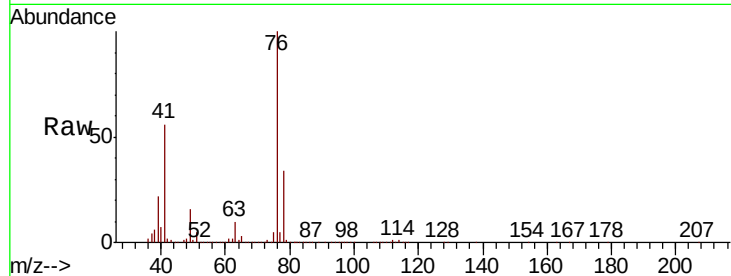




#57
 1,3-Dichloropropane
 Concen: 49.735 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

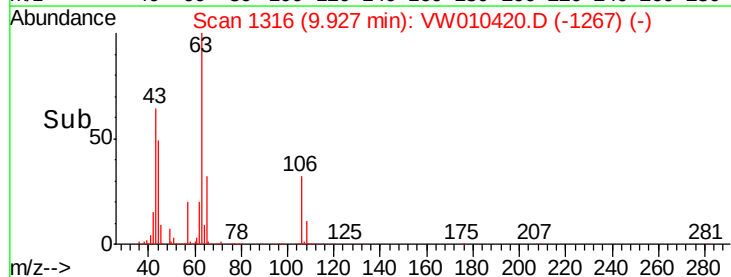
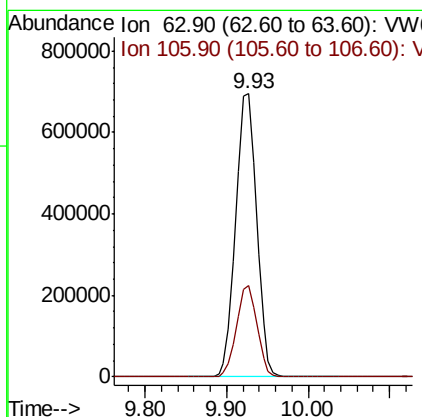
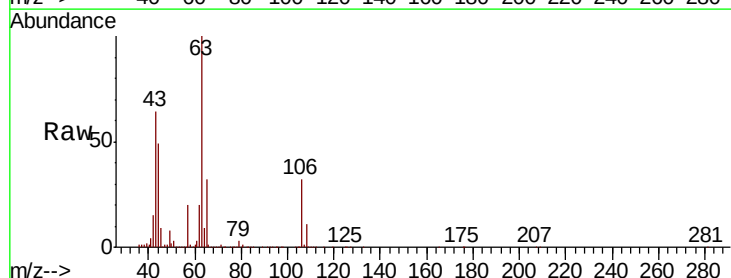
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

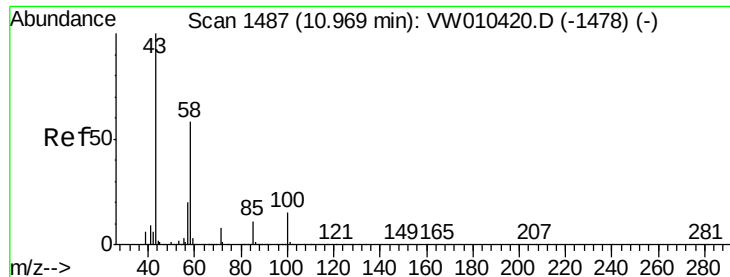
Tgt Ion: 76 Resp: 577764
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 283.760 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 63 Resp: 1226512
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.2 37.8

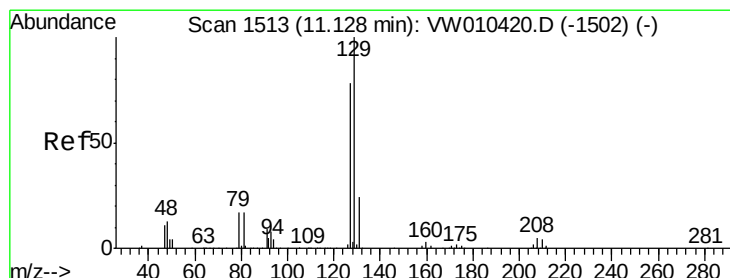
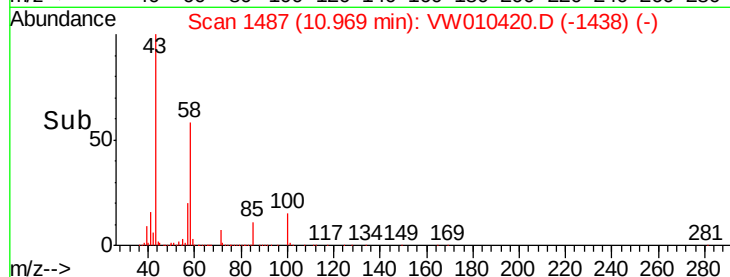
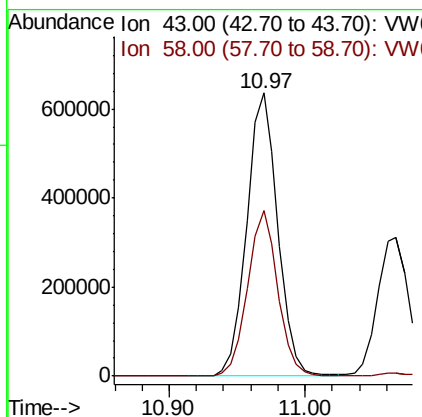
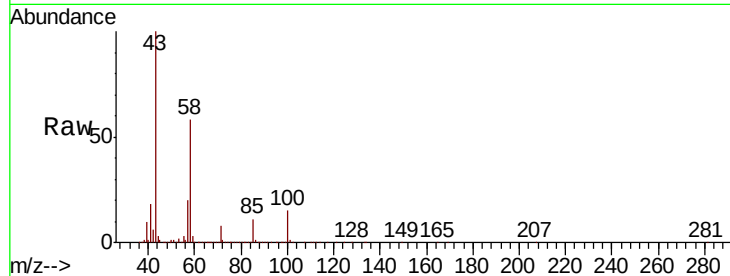




#59
2-Hexanone
Concen: 234.280 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

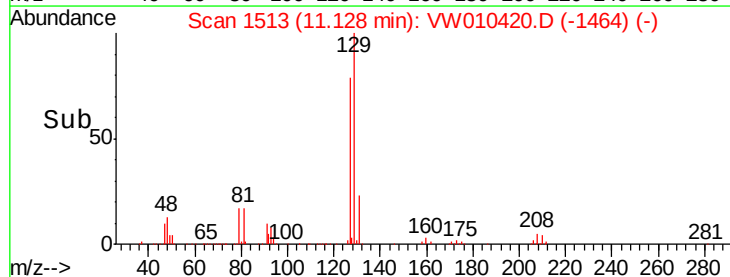
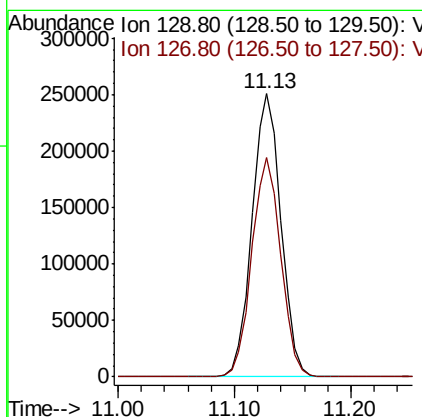
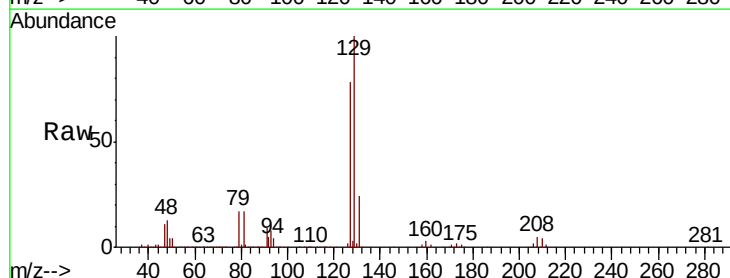
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

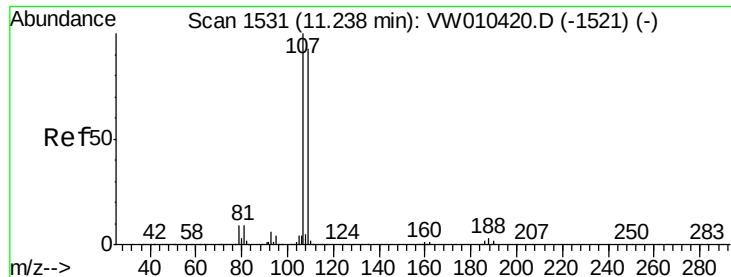
Tgt Ion: 43 Resp: 1010089
Ion Ratio Lower Upper
43 100
58 57.1 28.5 85.6



#60
Dibromochloromethane
Concen: 50.067 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion: 129 Resp: 434340
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.878 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

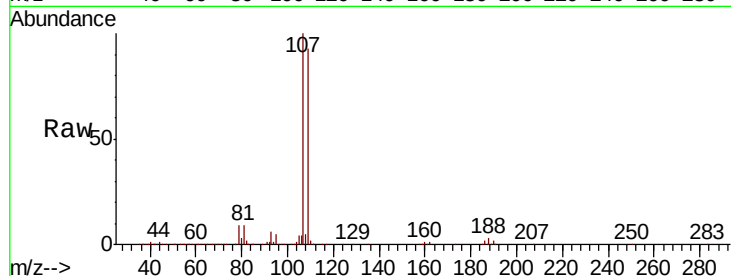
VSTDICCC050

Tgt Ion: 107 Resp: 349568

Ion Ratio Lower Upper

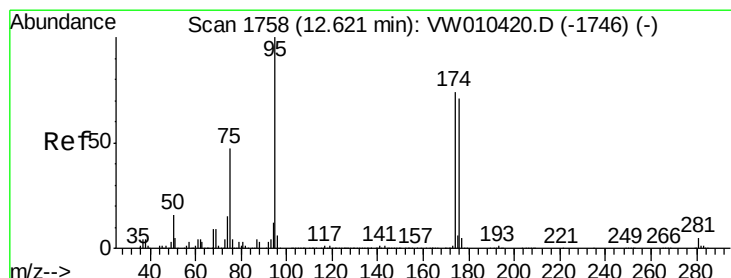
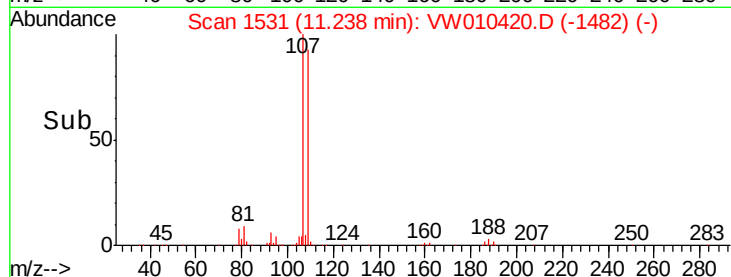
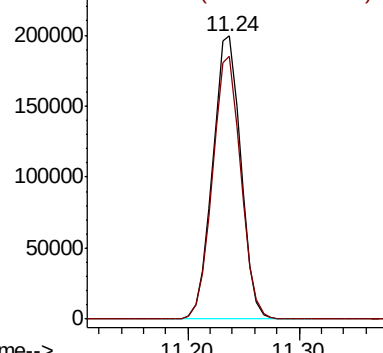
107 100

109 93.5 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.890 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

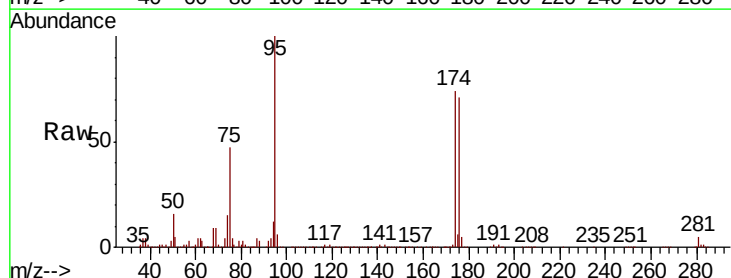
Tgt Ion: 95 Resp: 623085

Ion Ratio Lower Upper

95 100

174 73.3 0.0 146.6

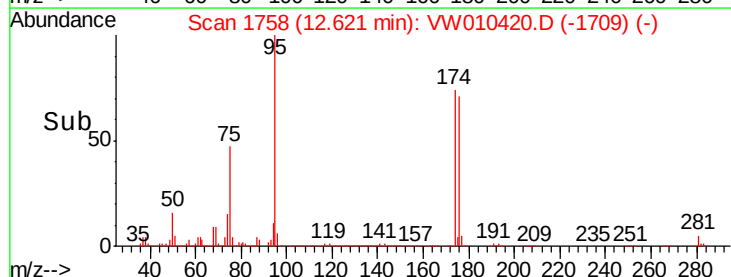
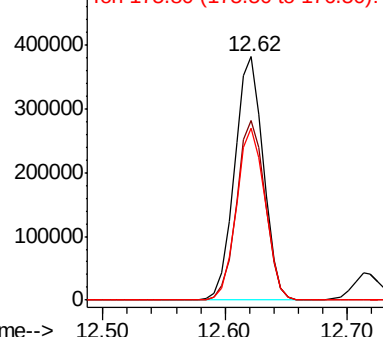
176 70.7 0.0 141.4

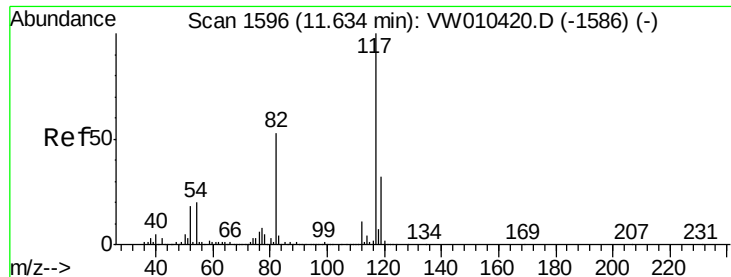


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

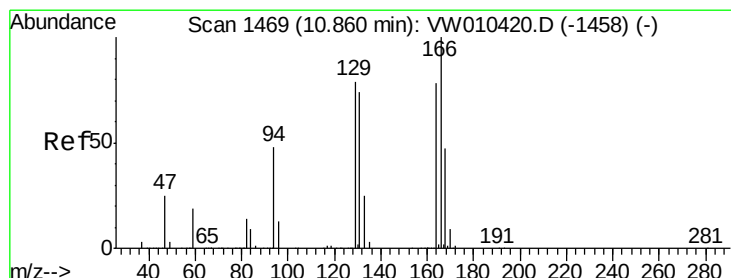
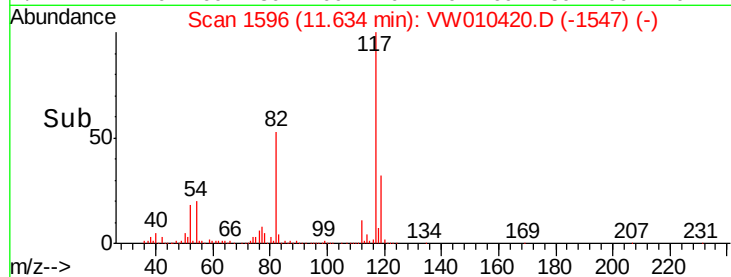
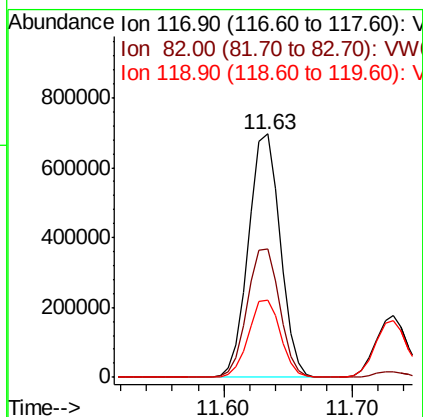
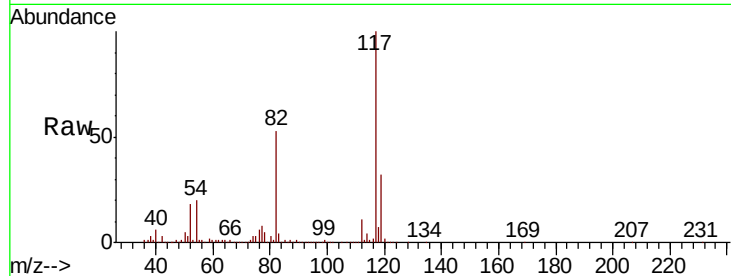




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

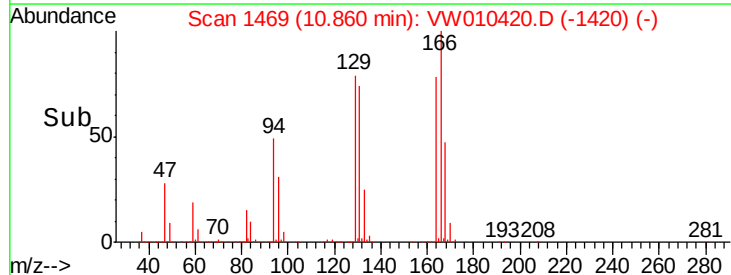
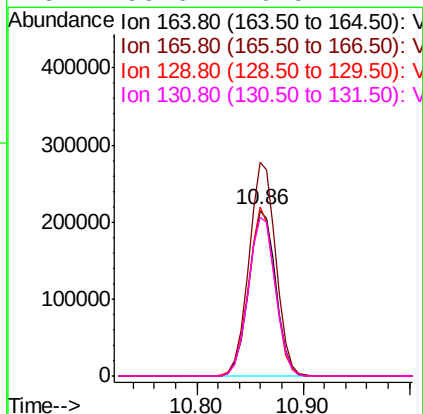
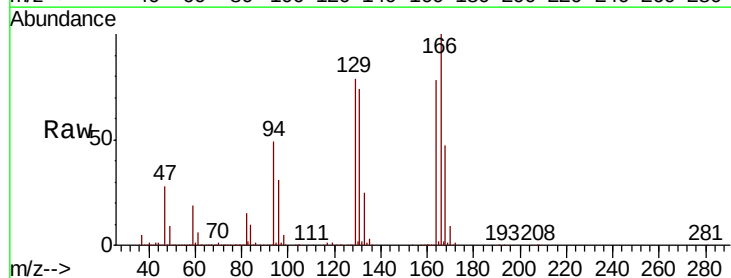
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

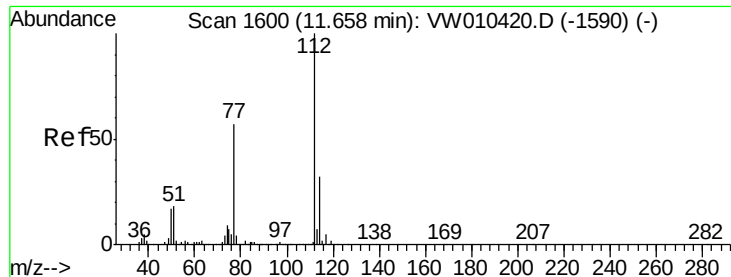
Tgt Ion:117 Resp: 1184896
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 48.516 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion:164 Resp: 379984
Ion Ratio Lower Upper
164 100
166 129.0 103.2 154.8
129 102.0 81.6 122.4
131 95.6 76.5 114.7

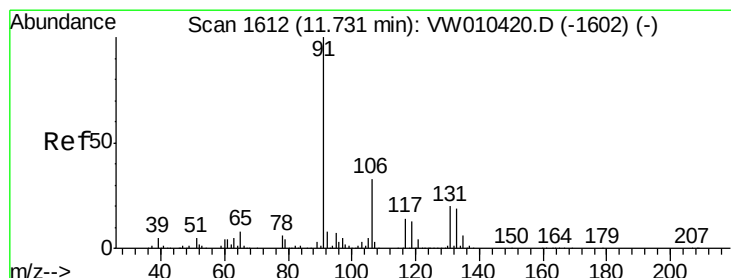
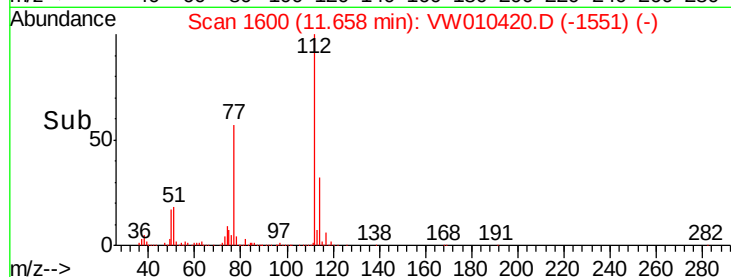
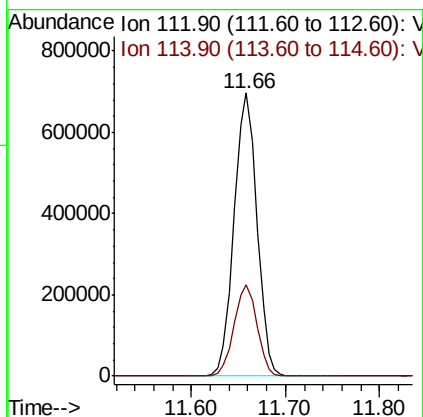
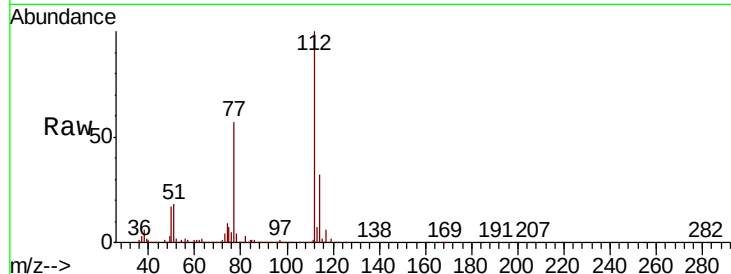




#65
Chlorobenzene
Concen: 50.020 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

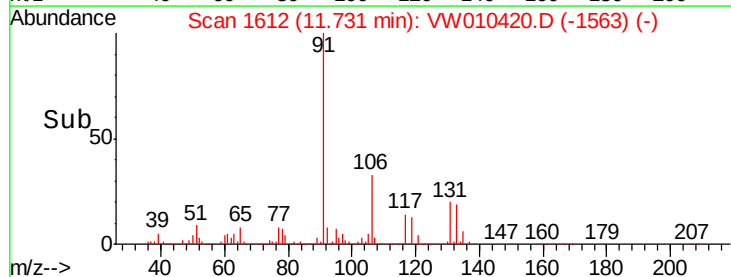
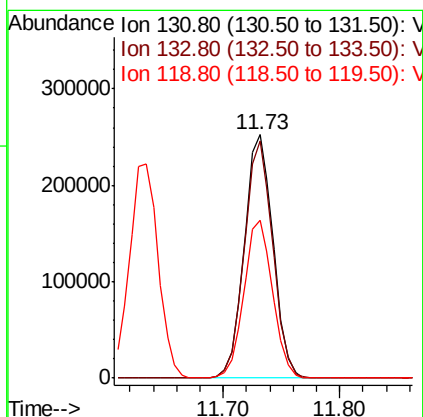
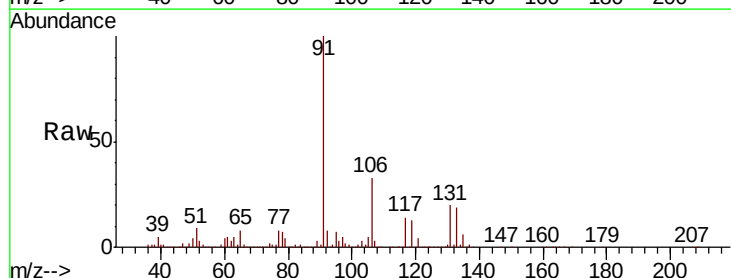
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

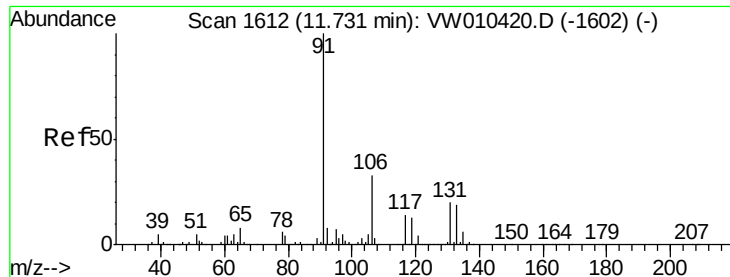
Tgt Ion:112 Resp: 1176030
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.764 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion:131 Resp: 433264
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 49.220 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

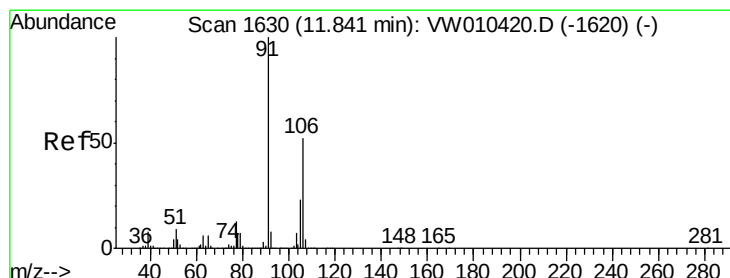
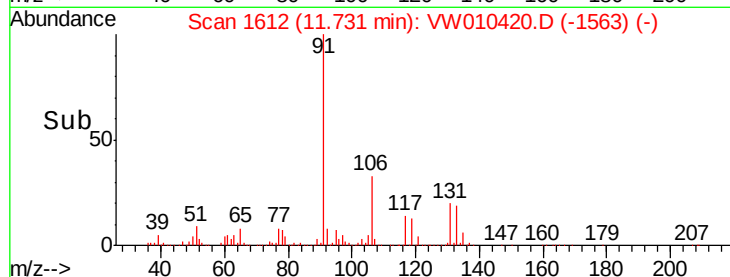
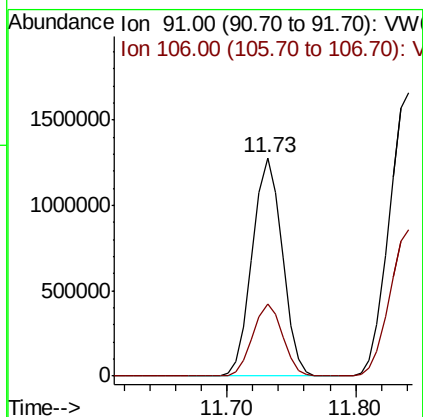
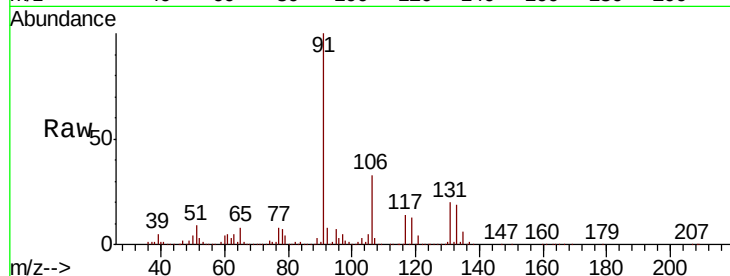
VSTDICCC050

Tgt Ion: 91 Resp: 2055144

Ion Ratio Lower Upper

91 100

106 33.1 26.5 39.7



#68

m/p-Xylenes

Concen: 98.523 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010420.D

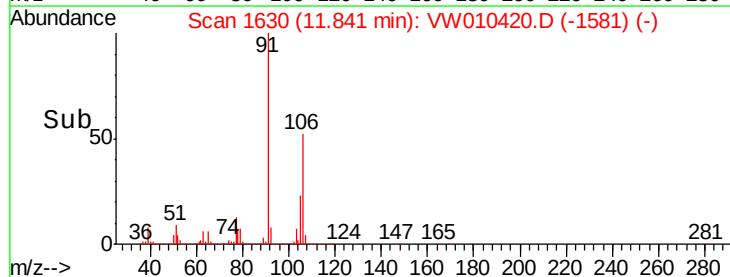
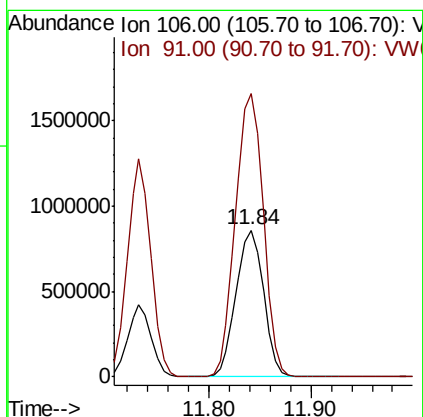
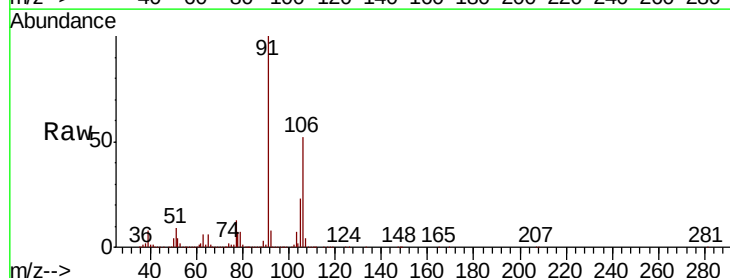
Acq: 17 May 2019 18:24

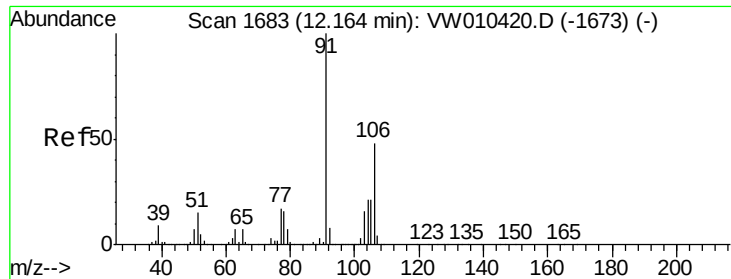
Tgt Ion: 106 Resp: 1609640

Ion Ratio Lower Upper

106 100

91 195.2 156.2 234.2

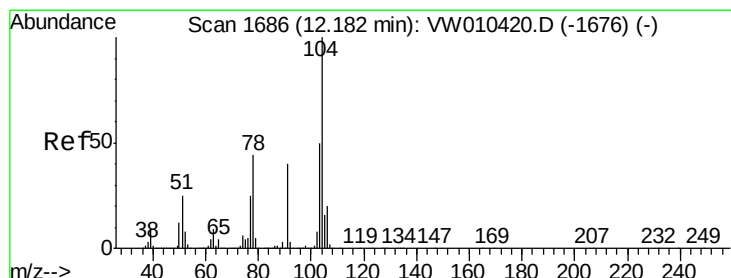
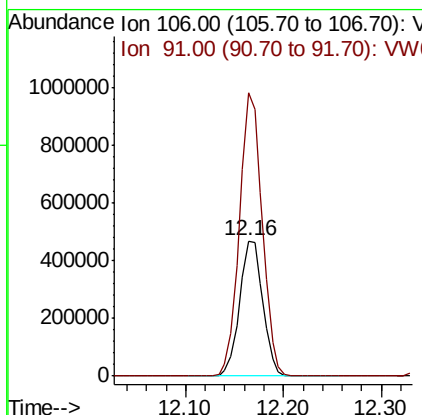
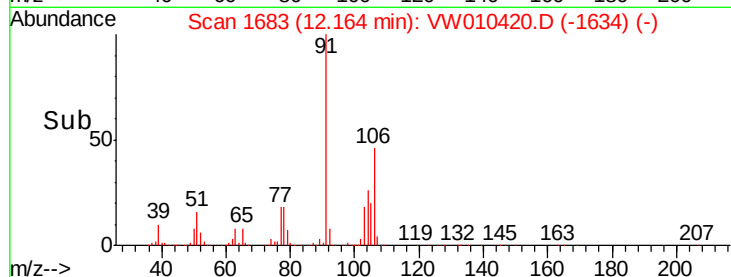
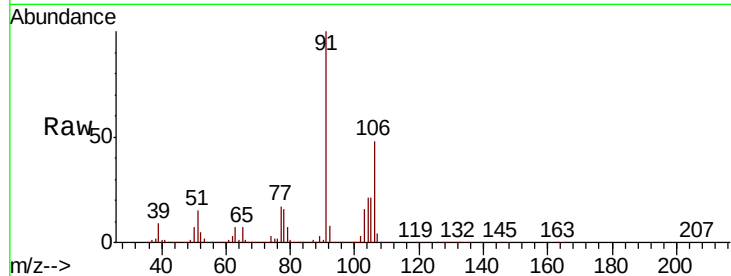




#69
o-Xylene
Concen: 48.970 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

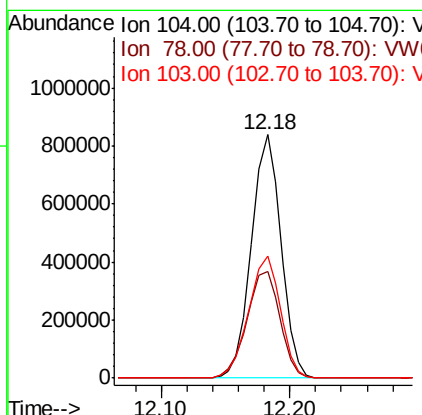
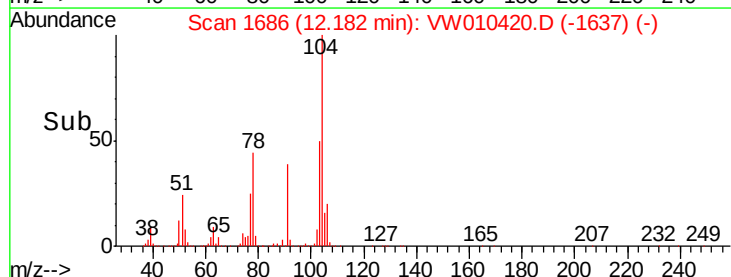
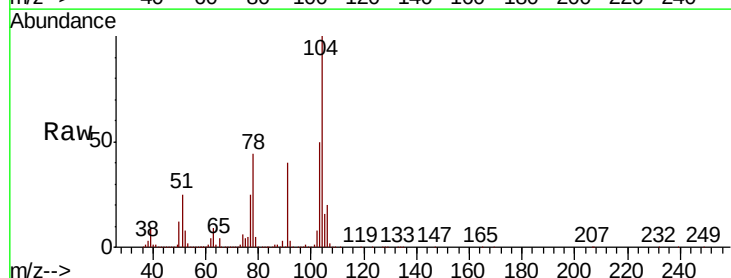
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

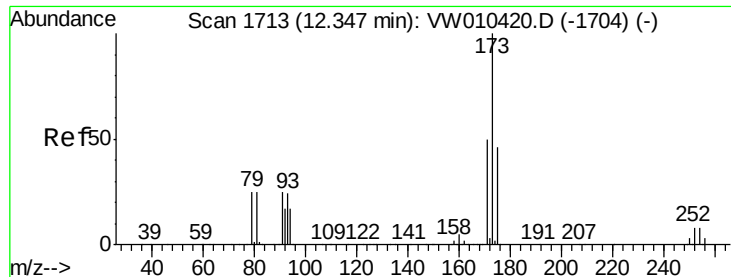
Tgt Ion:106 Resp: 771099
Ion Ratio Lower Upper
106 100
91 205.0 102.5 307.5



#70
Styrene
Concen: 48.475 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010420.D
Acq: 17 May 2019 18:24

Tgt Ion:104 Resp: 1326876
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.0
103 54.2 43.4 65.0





#71

Bromoform

Concen: 50.938 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

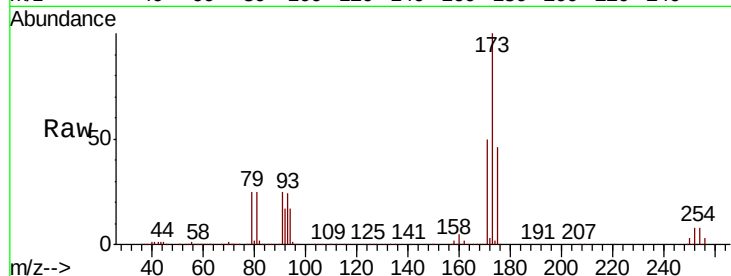
Tgt Ion:173 Resp: 257163

Ion Ratio Lower Upper

173 100

175 47.5 23.8 71.2

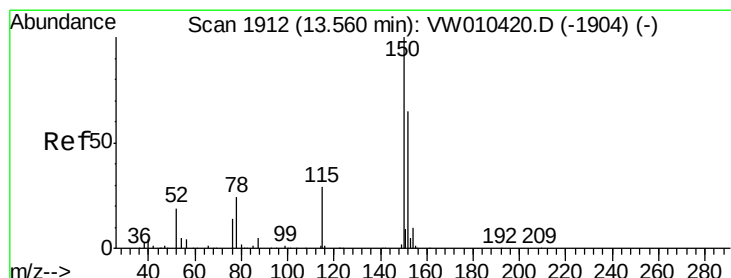
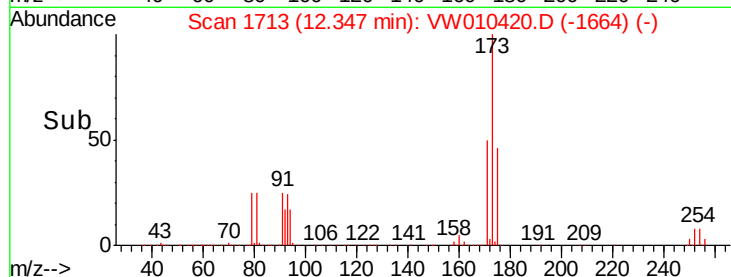
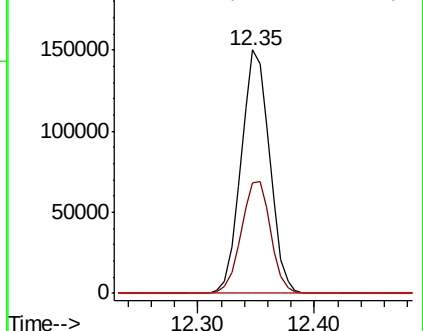
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

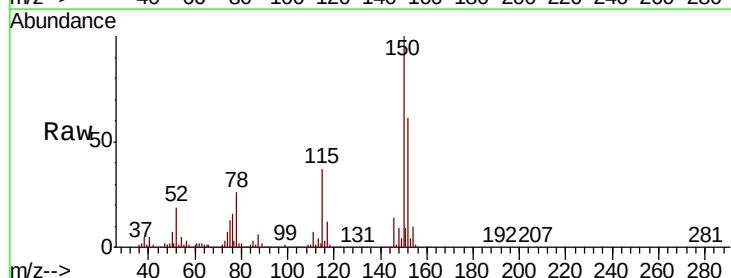
Tgt Ion:152 Resp: 574099

Ion Ratio Lower Upper

152 100

115 60.1 30.0 90.1

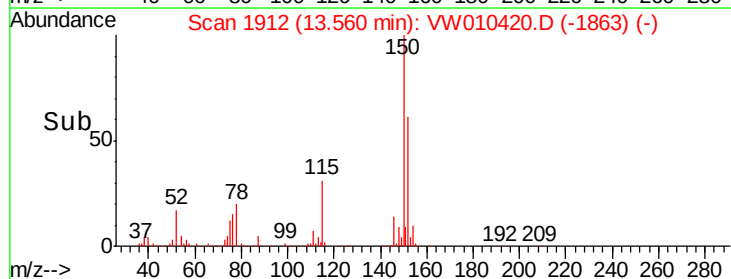
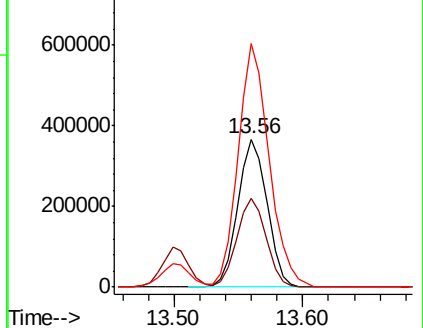
150 175.1 0.0 350.2

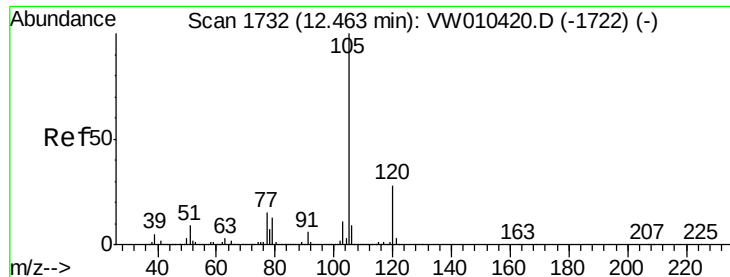


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.319 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

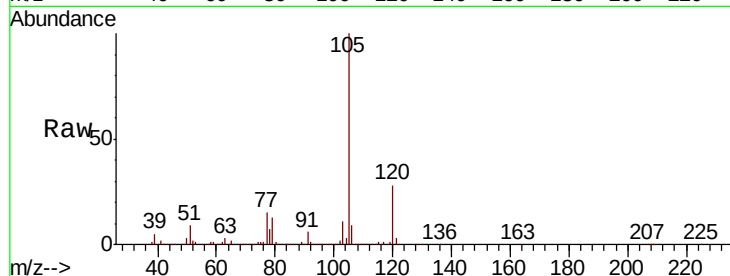
VSTDICCC050

Tgt Ion: 105 Resp: 2065643

Ion Ratio Lower Upper

105 100

120 27.7 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

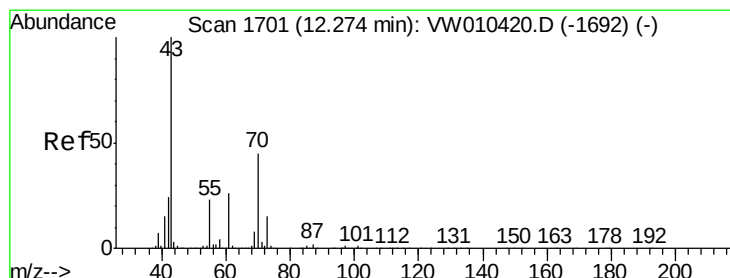
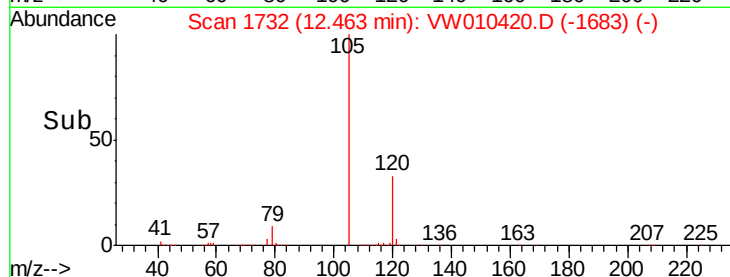
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 46.199 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Tgt Ion: 43 Resp: 535750

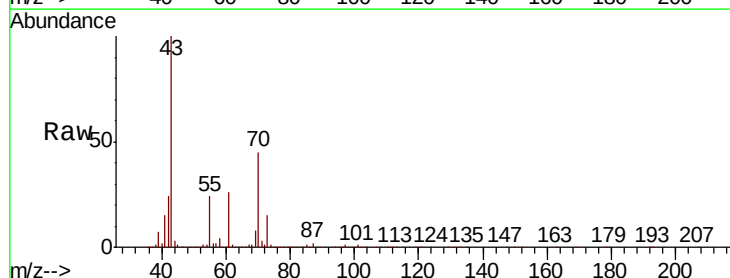
Ion Ratio Lower Upper

43 100

70 45.5 36.4 54.6

55 23.8 19.0 28.6

61 25.8 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

500000

400000

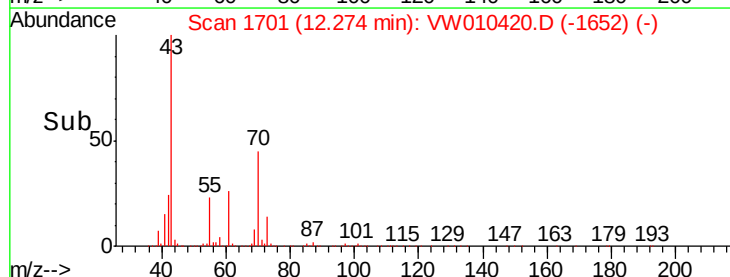
300000

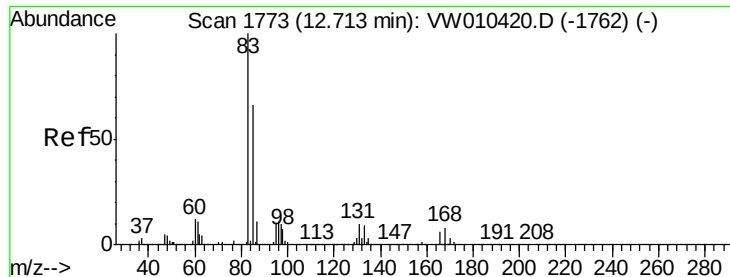
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.443 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

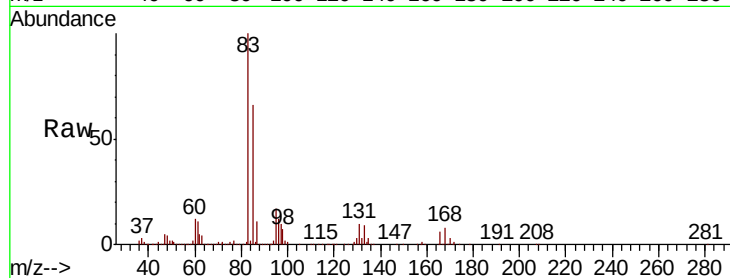
Tgt Ion: 83 Resp: 415217

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

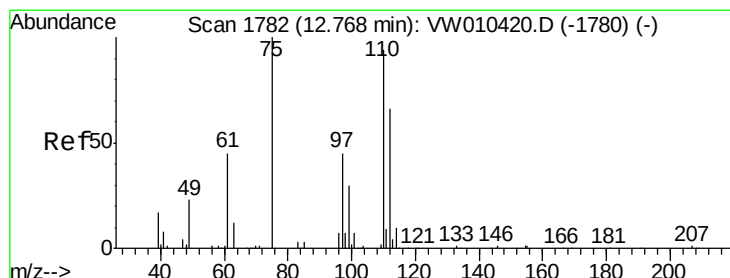
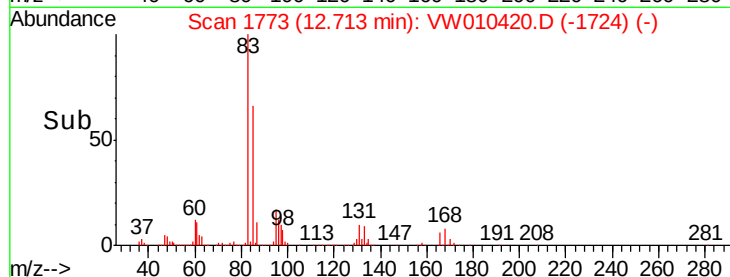
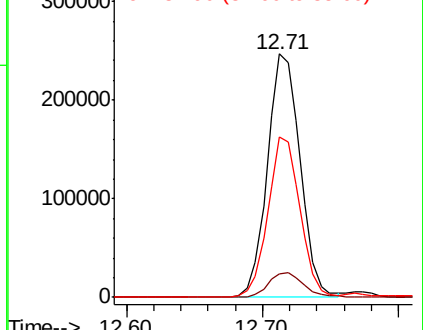
85 64.6 32.3 96.9



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: 85.707 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010420.D

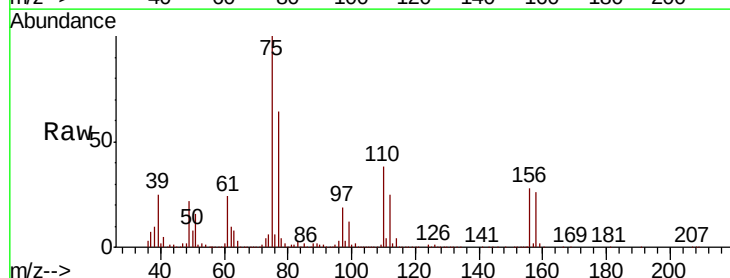
Acq: 17 May 2019 18:24

Tgt Ion: 75 Resp: 535408

Ion Ratio Lower Upper

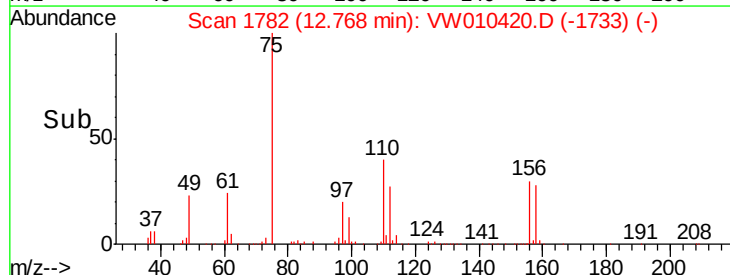
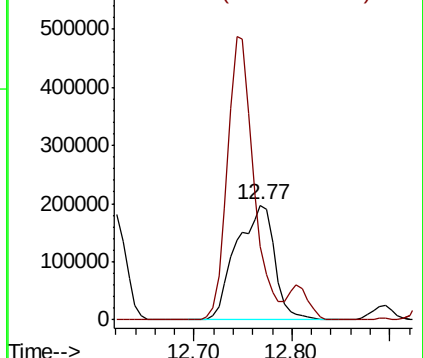
75 100

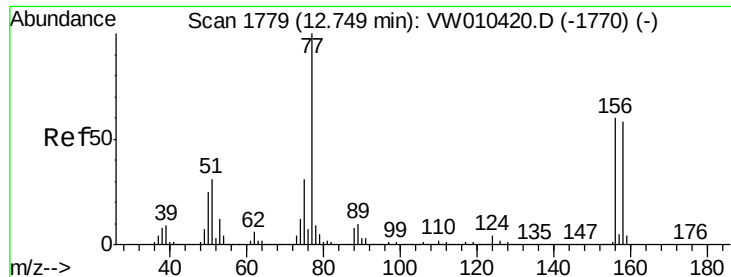
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.156 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

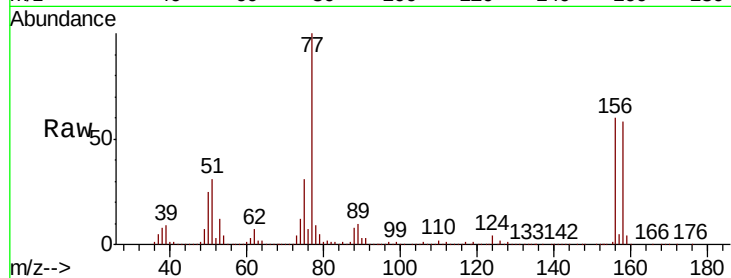
Tgt Ion:156 Resp: 475019

Ion Ratio Lower Upper

156 100

77 191.3 95.7 286.9

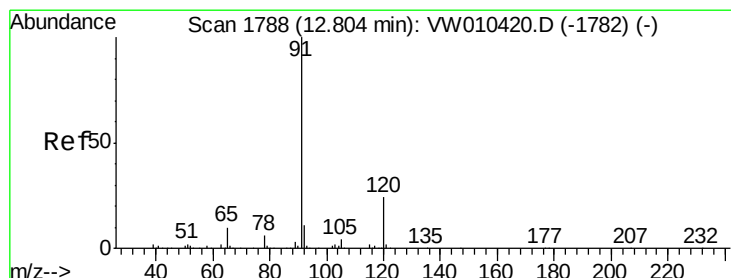
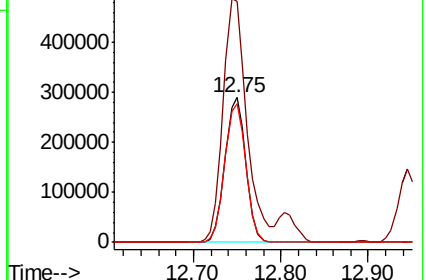
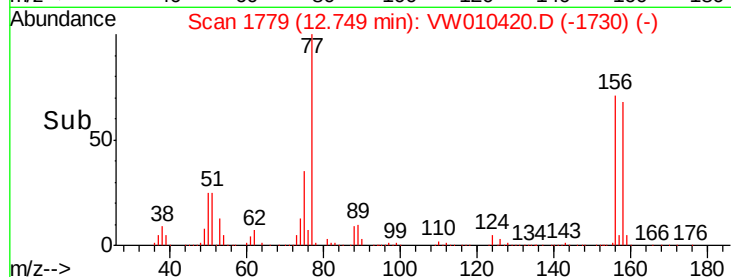
158 97.8 48.9 146.7



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: 49.431 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010420.D

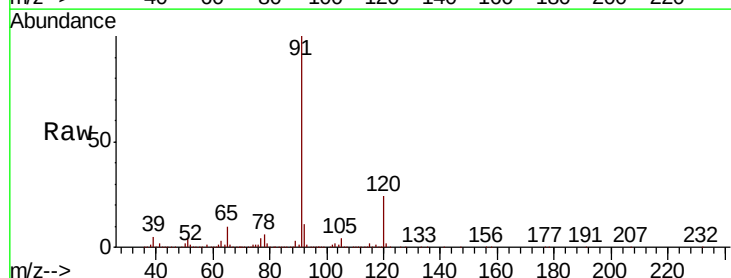
Acq: 17 May 2019 18:24

Tgt Ion: 91 Resp: 2421069

Ion Ratio Lower Upper

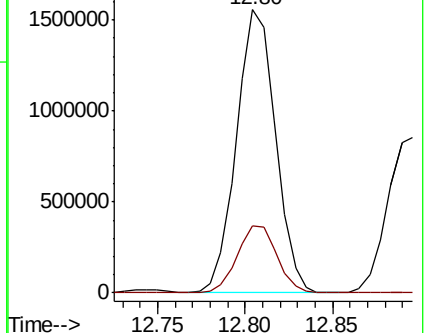
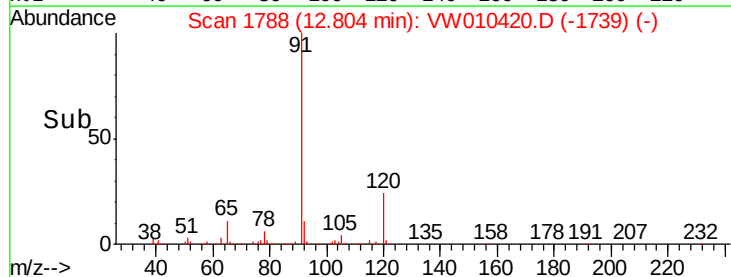
91 100

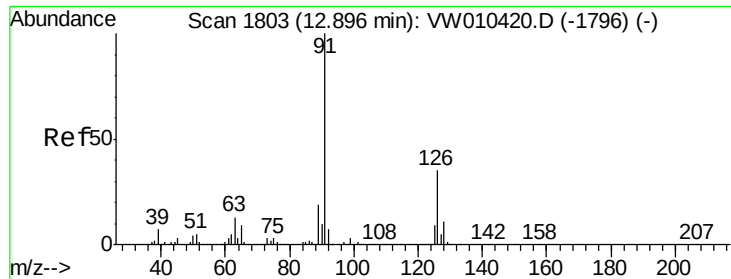
120 24.1 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.419 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

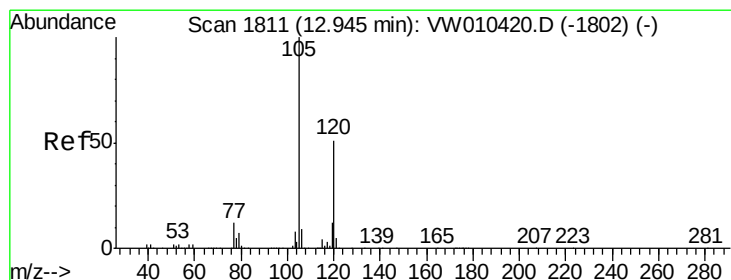
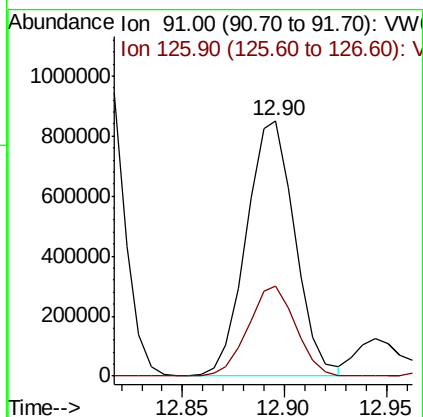
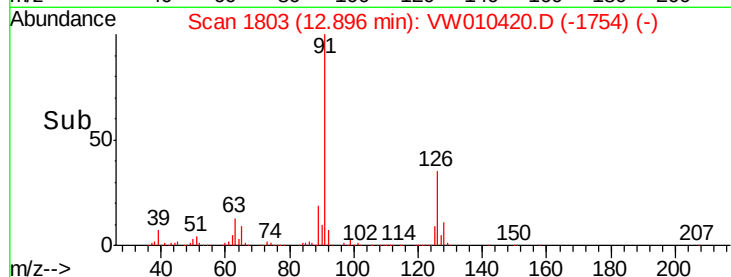
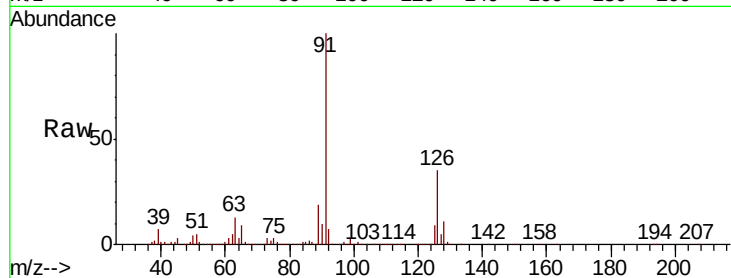
VSTDICCC050

Tgt Ion: 91 Resp: 1407426

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 49.320 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010420.D

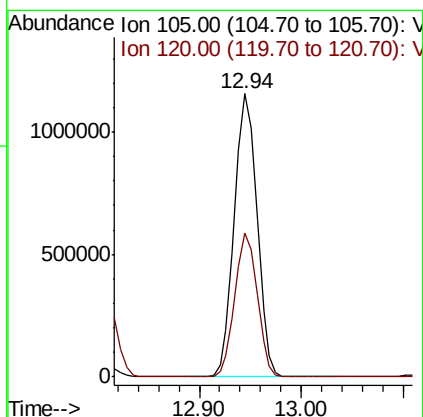
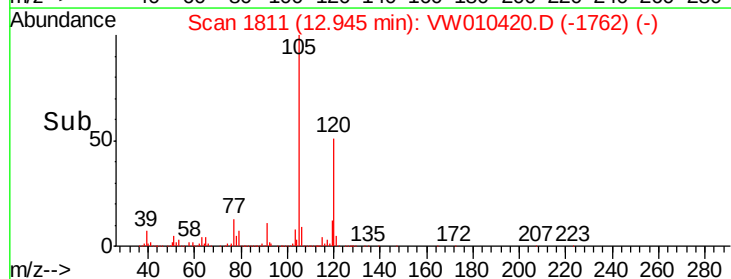
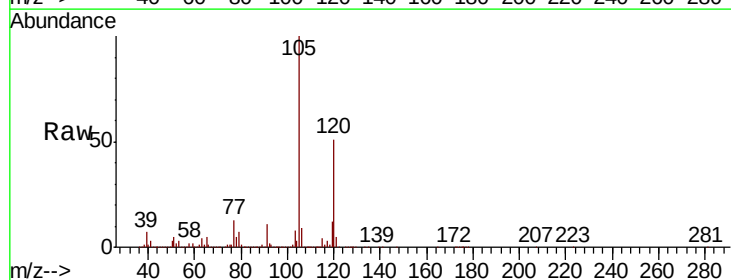
Acq: 17 May 2019 18:24

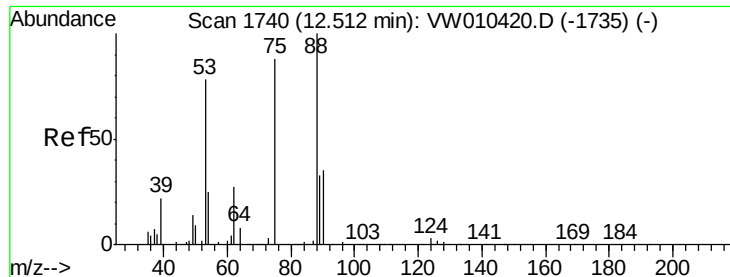
Tgt Ion: 105 Resp: 1780132

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.745 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

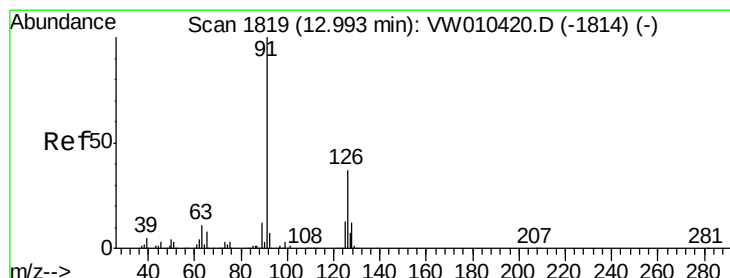
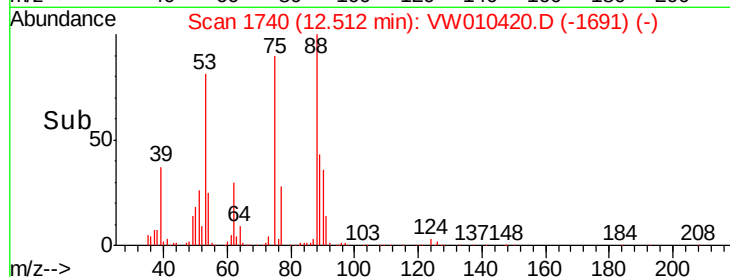
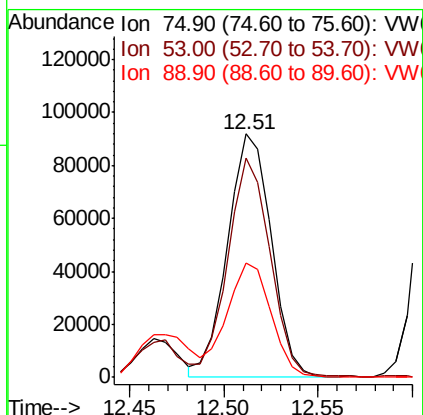
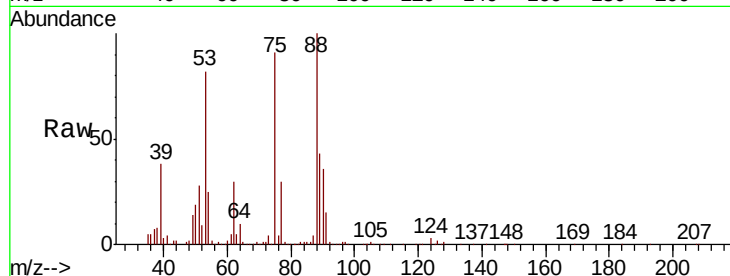
Tgt Ion: 75 Resp: 146467

Ion Ratio Lower Upper

75 100

53 88.4 70.7 106.1

89 48.3 38.6 58.0



#82

4-Chlorotoluene

Concen: 49.538 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW010420.D

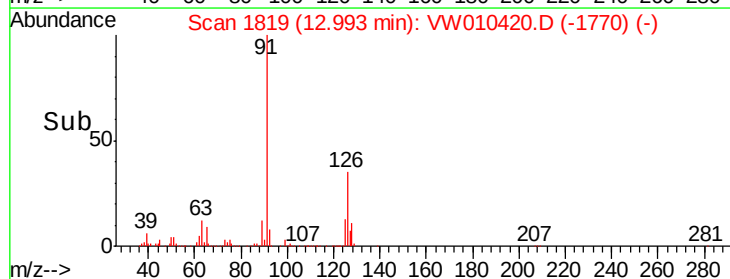
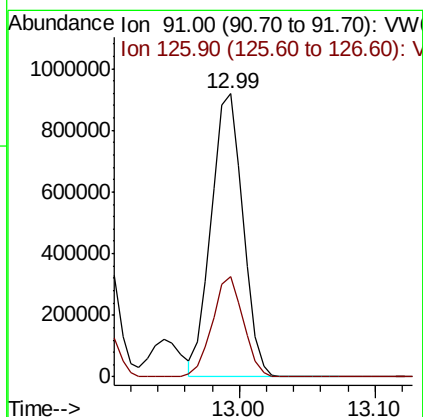
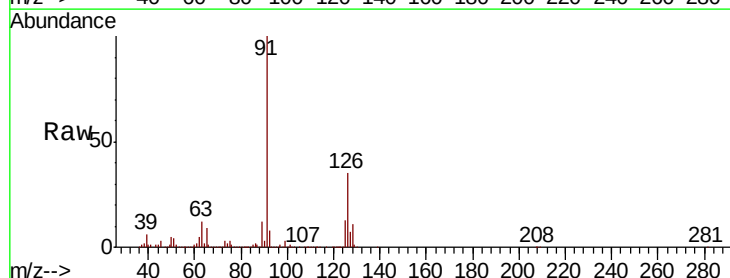
Acq: 17 May 2019 18:24

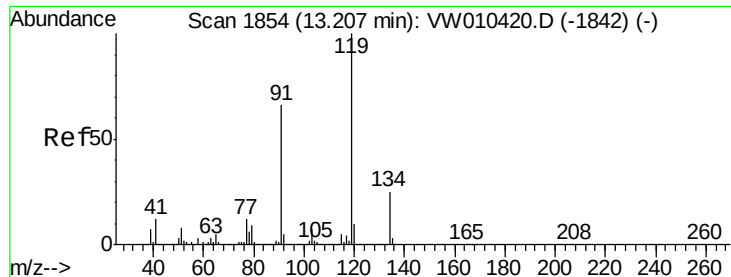
Tgt Ion: 91 Resp: 1480334

Ion Ratio Lower Upper

91 100

126 34.8 17.4 52.2

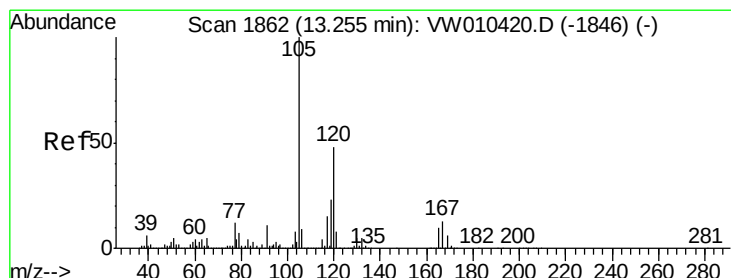
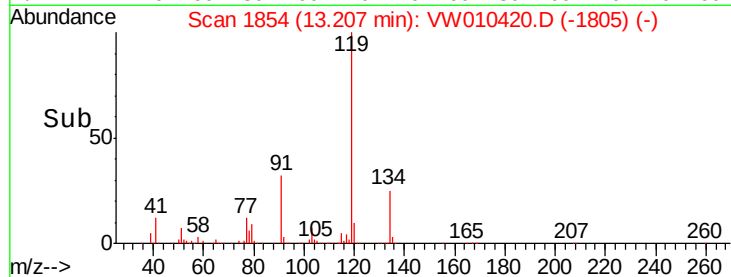
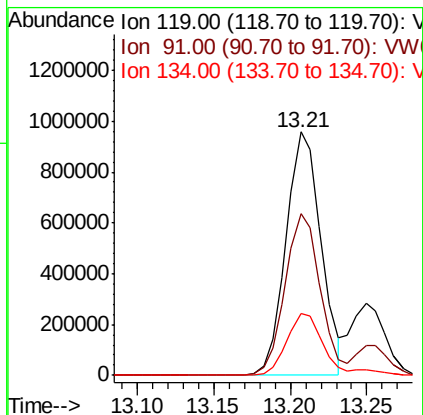
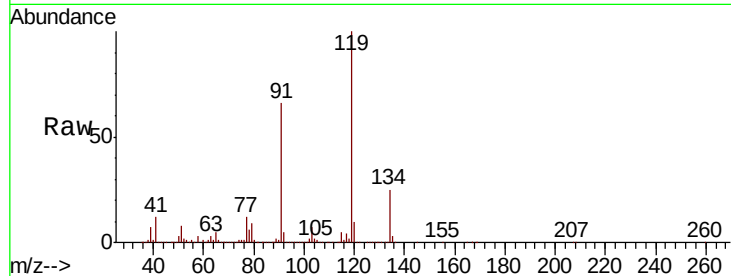




#83
 tert-Butylbenzene
 Concen: 49.974 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

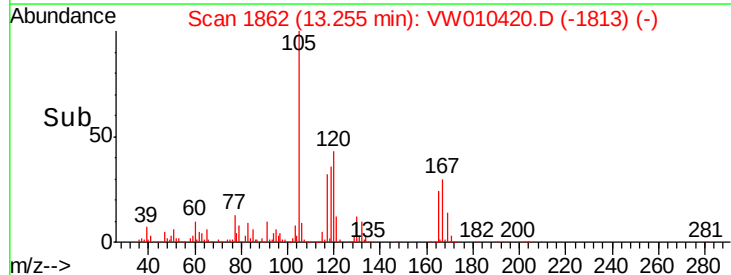
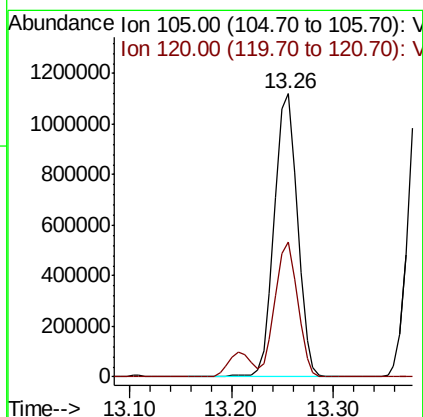
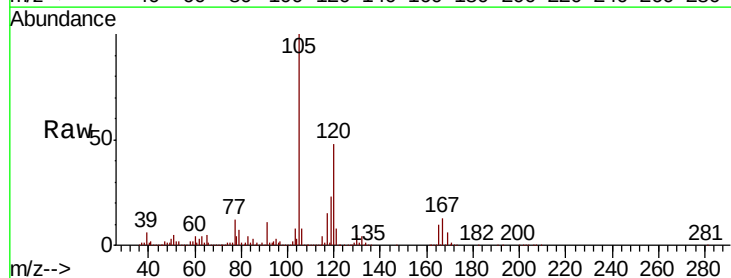
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

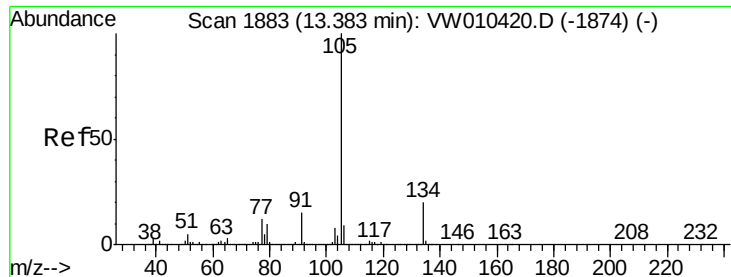
Tgt Ion:119 Resp: 1520847
 Ion Ratio Lower Upper
 119 100
 91 67.0 33.5 100.5
 134 27.6 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 48.711 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion:105 Resp: 1753366
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.0





#85

sec-Butylbenzene

Concen: 49.810 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

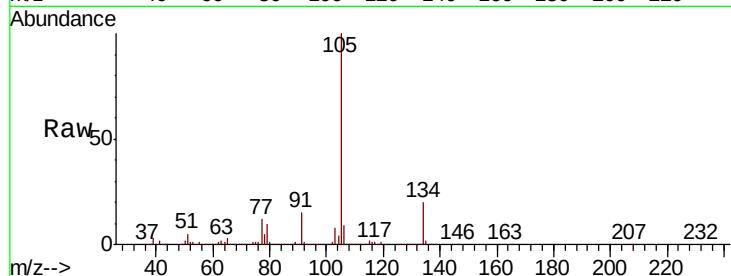
VSTDICCC050

Tgt Ion:105 Resp: 2143872

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

1500000

1000000

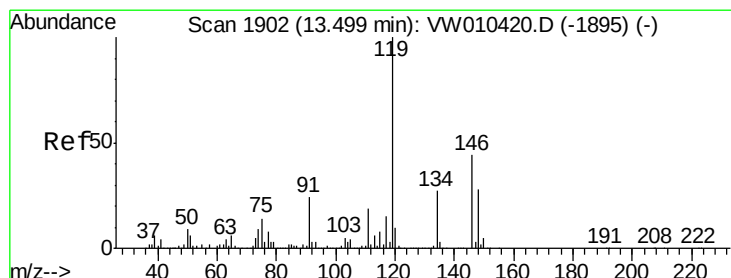
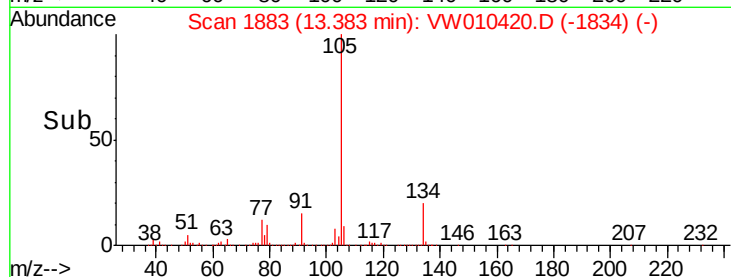
500000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 49.423 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

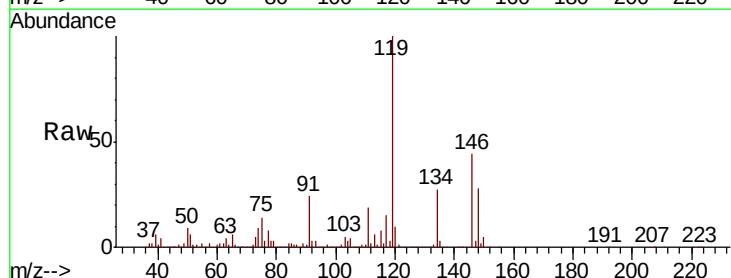
Tgt Ion:119 Resp: 1935538

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 24.3 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

1500000

1000000

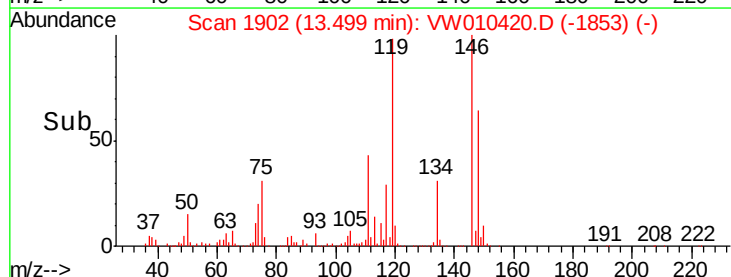
500000

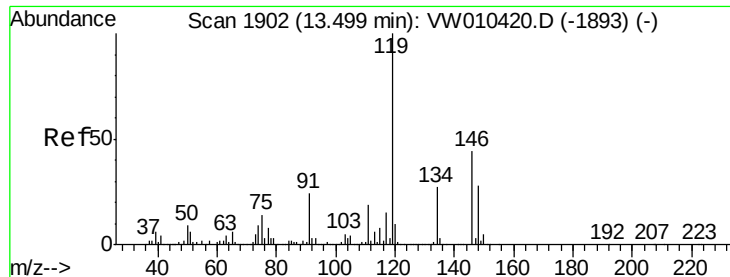
0

Time-->

13.45

13.55

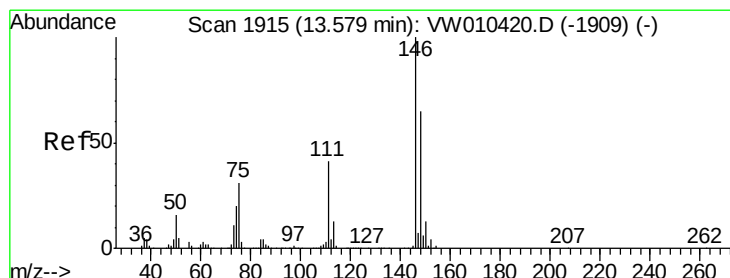
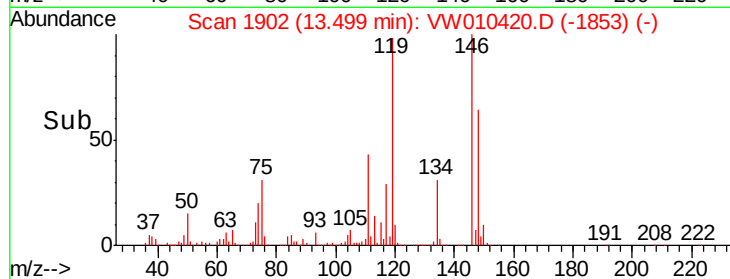
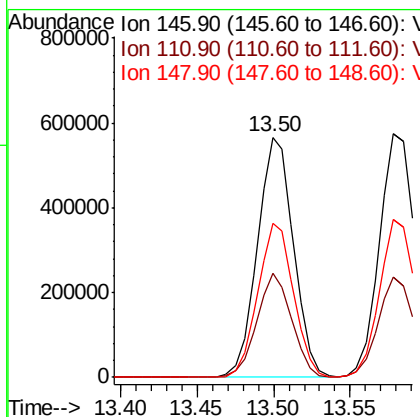
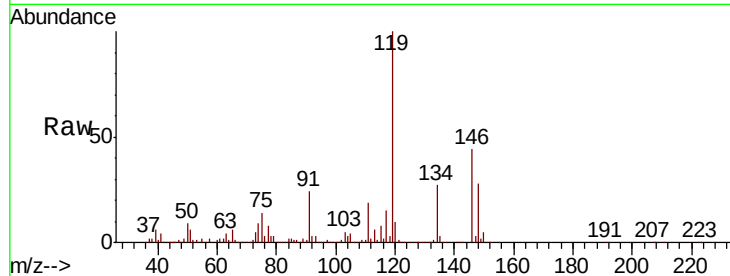




#87
 1,3-Dichlorobenzene
 Concen: 49.330 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

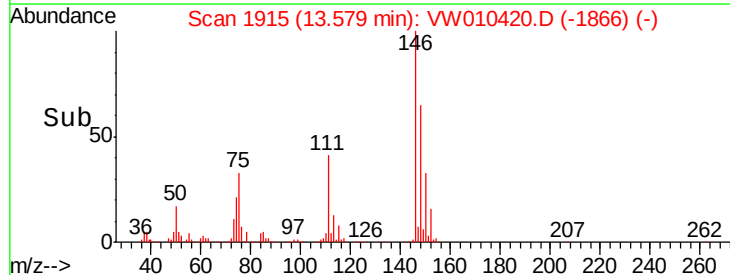
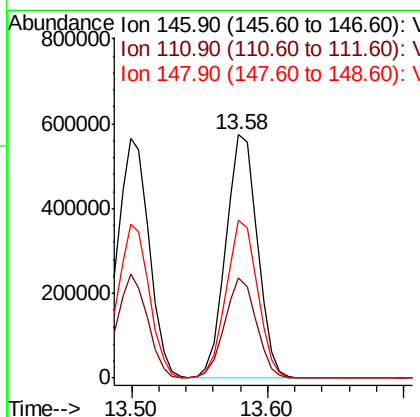
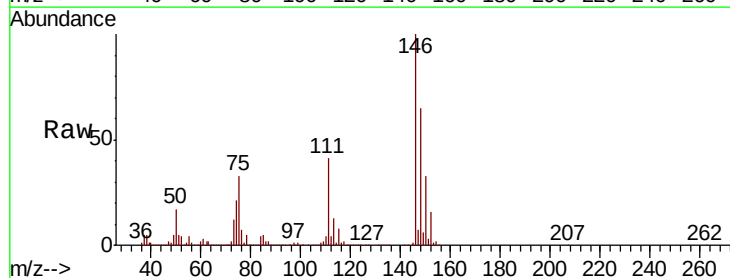
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

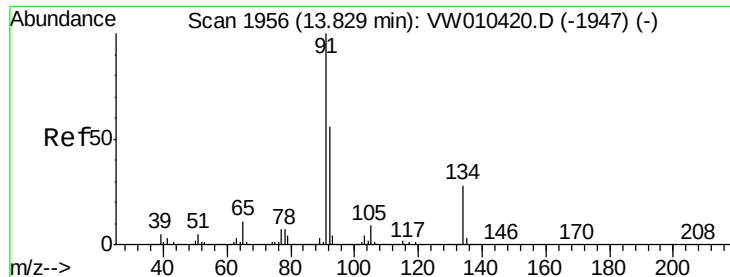
Tgt Ion:146 Resp: 927042
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.8 62.4
 148 63.6 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.496 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion:146 Resp: 928353
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.4 61.3
 148 64.6 32.3 96.9





#89

n-Butylbenzene

Concen: 49.829 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

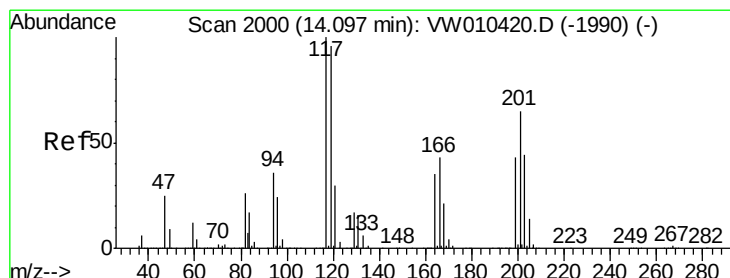
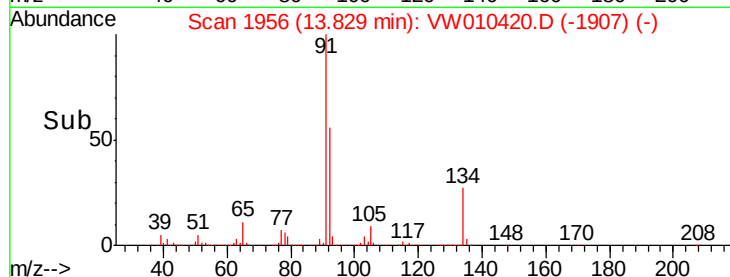
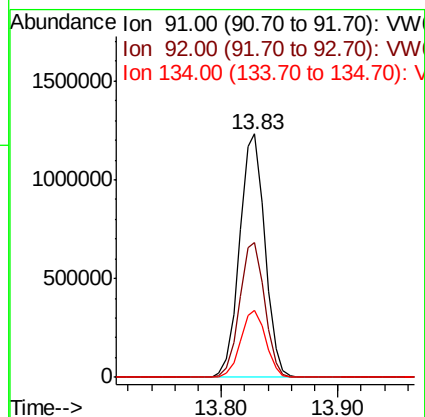
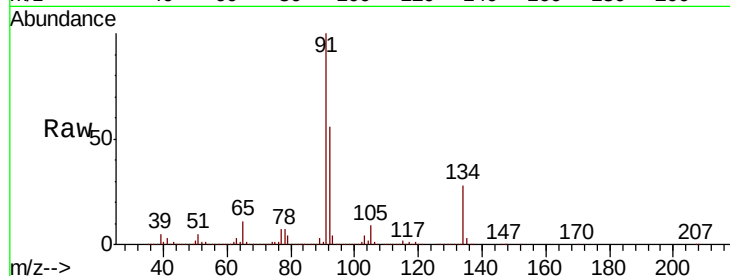
Tgt Ion: 91 Resp: 1862537

Ion Ratio Lower Upper

91 100

92 55.3 27.7 83.0

134 27.5 13.8 41.3



#90

Hexachloroethane

Concen: 50.122 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010420.D

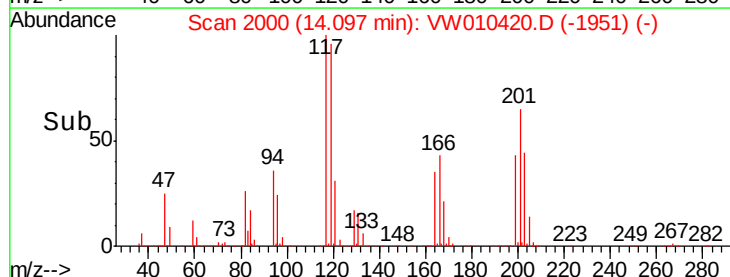
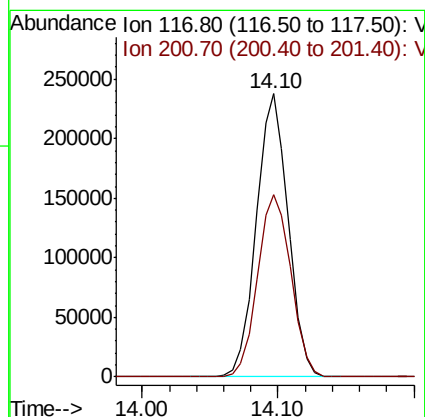
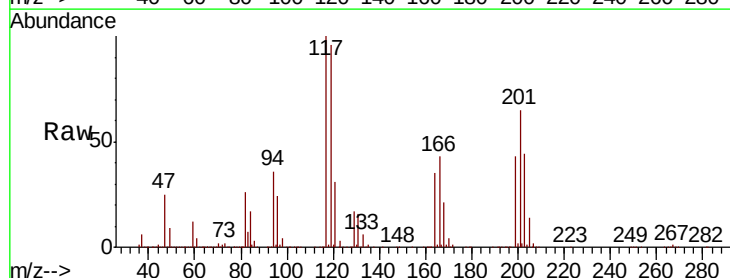
Acq: 17 May 2019 18:24

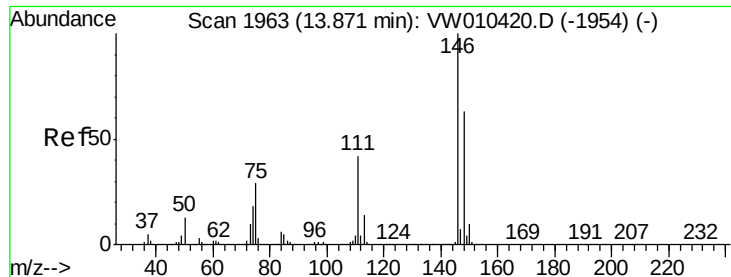
Tgt Ion: 117 Resp: 388625

Ion Ratio Lower Upper

117 100

201 67.6 33.8 101.4

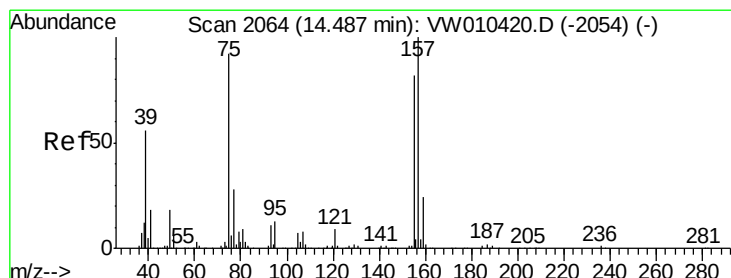
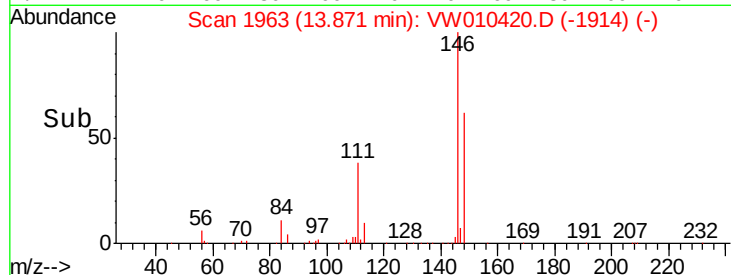
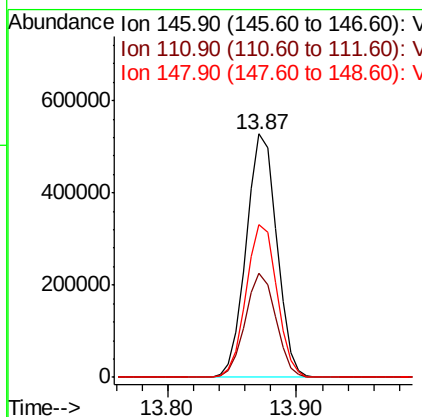
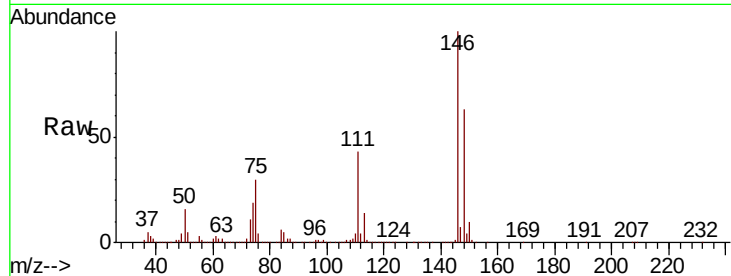




#91
 1,2-Dichlorobenzene
 Concen: 50.018 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

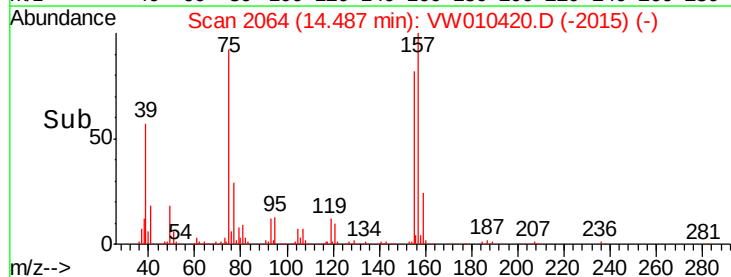
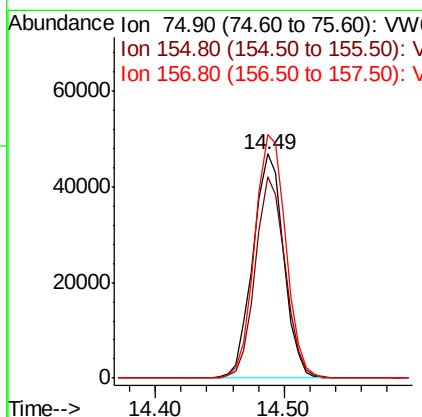
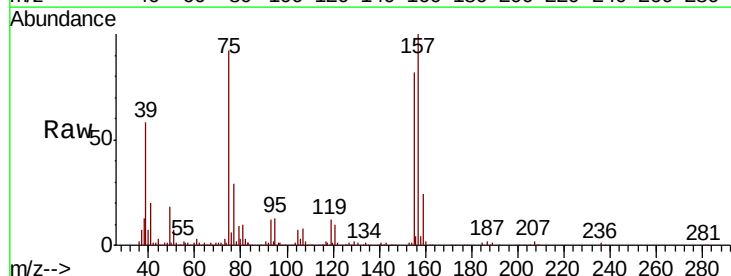
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

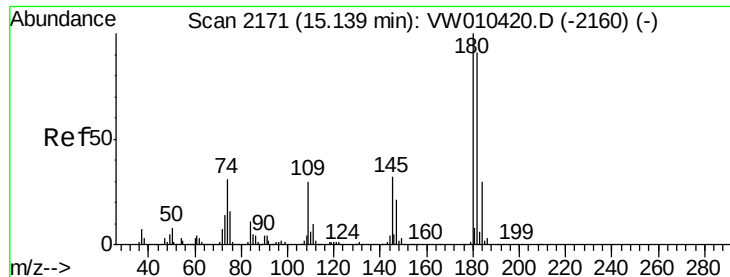
Tgt Ion:146 Resp: 862841
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.3 63.7
 148 63.3 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.453 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion: 75 Resp: 77205
 Ion Ratio Lower Upper
 75 100
 155 87.1 43.5 130.7
 157 109.6 54.8 164.4

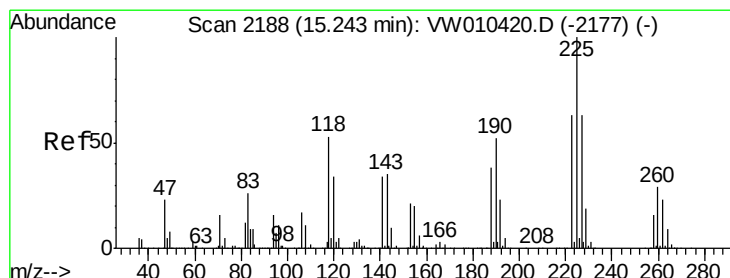
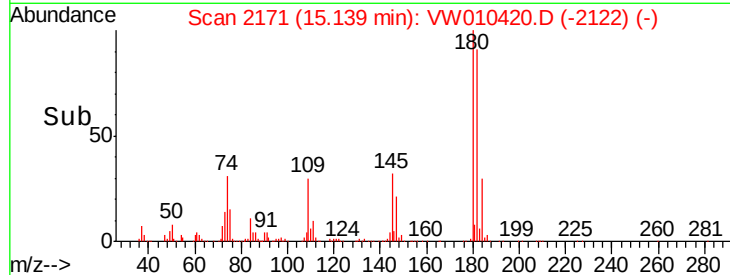
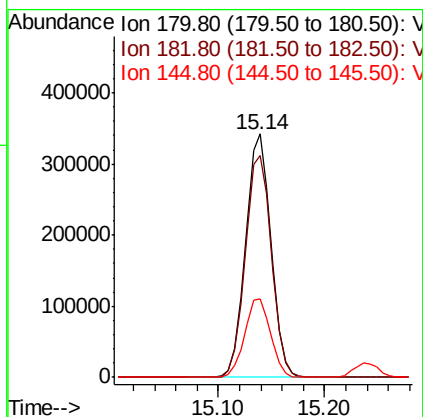
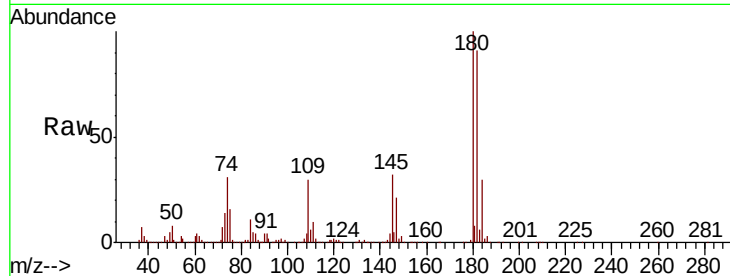




#93
 1,2,4-Trichlorobenzene
 Concen: 48.253 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

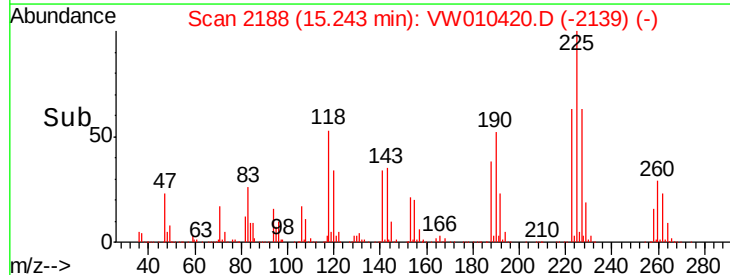
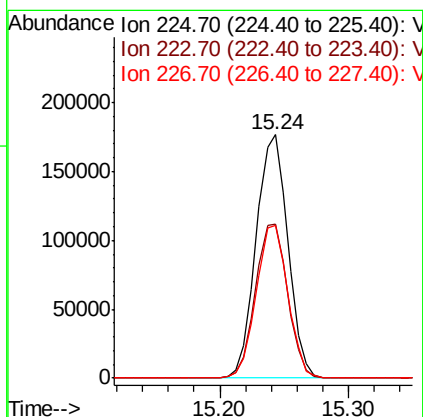
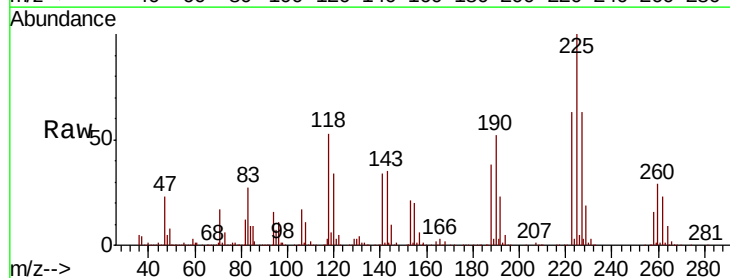
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

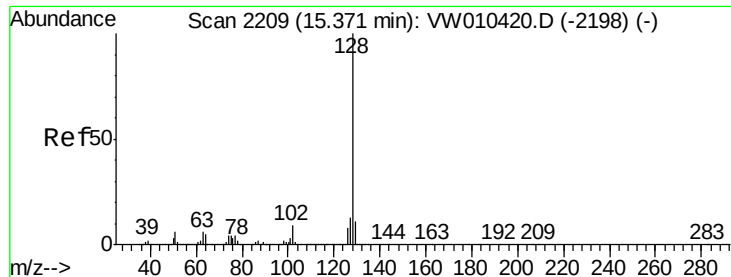
Tgt Ion:180 Resp: 572201
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.0 141.2
 145 33.1 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 49.618 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010420.D
 Acq: 17 May 2019 18:24

Tgt Ion:225 Resp: 300577
 Ion Ratio Lower Upper
 225 100
 223 64.1 32.0 96.2
 227 62.7 31.4 94.0





#95

Naphthalene

Concen: 48.779 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

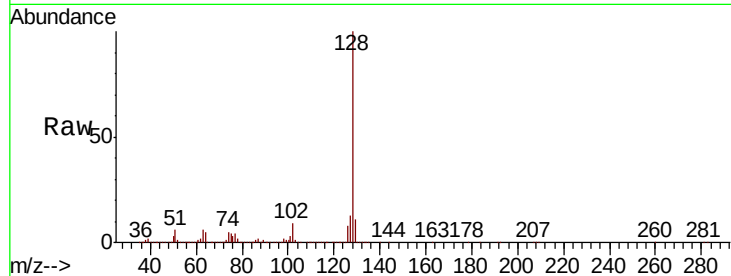
Tgt Ion:128 Resp: 1287827

Ion Ratio Lower Upper

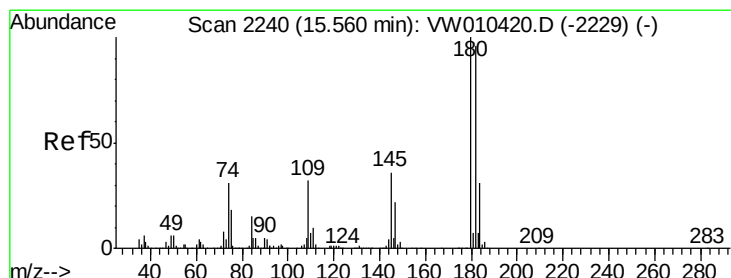
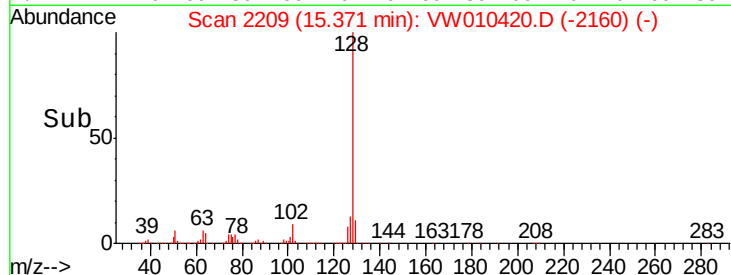
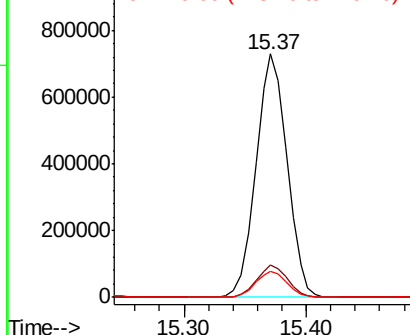
128 100

127 13.1 10.5 15.7

129 10.8 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 47.662 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010420.D

Acq: 17 May 2019 18:24

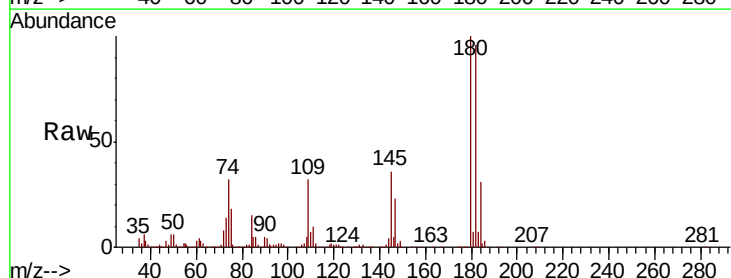
Tgt Ion:180 Resp: 501922

Ion Ratio Lower Upper

180 100

182 95.3 47.6 142.9

145 35.7 17.8 53.5



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

