

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010419.D
 Acq On : 17 May 2019 17:58
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: May 17 23:25:16 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	794527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1402741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1253229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	582448	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	182733	22.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.72%	
35) Dibromofluoromethane	7.88	113	181172	21.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.36%	
50) Toluene-d8	10.32	98	680139	21.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.00%	
62) 4-Bromofluorobenzene	12.62	95	262728	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	115978	23.169	ug/l	98
3) Chloromethane	2.20	50	170811	24.853	ug/l	99
4) Vinyl Chloride	2.35	62	178724	20.681	ug/l	98
5) Bromomethane	2.74	94	102179	18.524	ug/l	99
6) Chloroethane	2.90	64	114236	22.123	ug/l	97
7) Trichlorofluoromethane	3.24	101	258214	43.262	ug/l	99
8) Diethyl Ether	3.68	74	91257	21.896	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	164386	22.254	ug/l	99
10) Methyl Iodide	4.26	142	178327	15.647	ug/l	99
11) Tert butyl alcohol	5.18	59	78422	116.842	ug/l	99
12) 1,1-Dichloroethene	4.03	96	155917	20.208	ug/l	98
13) Acrolein	3.90	56	67661	159.275	ug/l	95
14) Allyl chloride	4.66	41	239837	23.972	ug/l	99
15) Acrylonitrile	5.37	53	195649	106.473	ug/l	99
16) Acetone	4.13	43	146328	99.874	ug/l	97
17) Carbon Disulfide	4.37	76	444560	21.183	ug/l	99
18) Methyl Acetate	4.67	43	96905	20.708	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	452141	35.824	ug/l	100
20) Methylene Chloride	4.91	84	178190	20.809	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	182232	21.194	ug/l	98
22) Diisopropyl ether	6.31	45	515545	21.615	ug/l	99
23) Vinyl Acetate	6.25	43	1598060	98.422	ug/l	98
24) 1,1-Dichloroethane	6.21	63	303440	20.862	ug/l	97
25) 2-Butanone	7.17	43	260075	94.753	ug/l	98
26) 2,2-Dichloropropane	7.17	77	273821	33.074	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	203809	20.542	ug/l	98
28) Bromochloromethane	7.51	49	115421	19.132	ug/l	97
29) Tetrahydrofuran	7.53	42	173688	94.464	ug/l	100
30) Chloroform	7.68	83	316557	20.714	ug/l	98
31) Cyclohexane	7.95	56	298623	21.111	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	297964	24.181	ug/l	99
36) 1,1-Dichloropropene	8.08	75	248621	20.598	ug/l	99
37) Ethyl Acetate	7.25	43	119202	19.696	ug/l	97
38) Carbon Tetrachloride	8.06	117	266693	21.544	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	332440	20.791	ug/l	99
40) Benzene	8.32	78	714284	20.344	ug/l	98
41) Methacrylonitrile	7.48	41	67423	18.335	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	214061	20.908	ug/l	100
43) Isopropyl Acetate	8.43	43	236854	18.996	ug/l	99
44) Trichloroethene	9.09	130	200821	20.027	ug/l	98
45) 1,2-Dichloropropane	9.37	63	177146	20.336	ug/l	96
46) Dibromomethane	9.46	93	103993	20.503	ug/l	98
47) Bromodichloromethane	9.64	83	254134	20.431	ug/l	99
48) Methyl methacrylate	9.44	41	109972	19.189	ug/l	99
49) 1,4-Dioxane	9.45	88	30704	346.352	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	601747	93.221	ug/l	99
52) Toluene	10.39	92	473393	20.231	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	262439	20.030	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	297570	20.089	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	146221	19.937	ug/l	98
56) Ethyl methacrylate	10.65	69	204470	19.634	ug/l	99
57) 1,3-Dichloropropane	10.93	76	244250	19.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	495691	108.595	ug/l	100
59) 2-Hexanone	10.97	43	424102	93.147	ug/l	99
60) Dibromochloromethane	11.13	129	181630	19.826	ug/l	99
61) 1,2-Dibromoethane	11.23	107	149376	20.183	ug/l	98
64) Tetrachloroethene	10.86	164	164487	19.856	ug/l	96
65) Chlorobenzene	11.66	112	507962	20.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	186014	20.200	ug/l	99
67) Ethyl Benzene	11.73	91	886067	20.064	ug/l	100
68) m/p-Xylenes	11.84	106	696359	40.299	ug/l	98
69) o-Xylene	12.17	106	329845	19.805	ug/l	98
70) Styrene	12.18	104	573312	19.803	ug/l	100
71) Bromoform	12.35	173	101850	19.074	ug/l #	100
73) Isopropylbenzene	12.47	105	896368	21.095	ug/l	99
74) N-amyl acetate	12.27	43	221507	18.827	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	174744	20.925	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	224674	35.450	ug/l #	100
77) Bromobenzene	12.75	156	206719	21.085	ug/l	99
78) n-propylbenzene	12.80	91	1038982	20.909	ug/l	99
79) 2-Chlorotoluene	12.90	91	601221	20.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	769539	21.015	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	63022	20.673	ug/l	96
82) 4-Chlorotoluene	12.99	91	632984	20.879	ug/l	99
83) tert-Butylbenzene	13.21	119	645038	20.892	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	752638	20.610	ug/l	100
85) sec-Butylbenzene	13.38	105	904045	20.703	ug/l	100
86) p-Isopropyltoluene	13.50	119	816338	20.546	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	395445	20.741	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	386810	20.328	ug/l	99
89) n-Butylbenzene	13.83	91	777563	20.504	ug/l	100
90) Hexachloroethane	14.10	117	163767	20.819	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	363238	20.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32959	21.230	ug/l	95

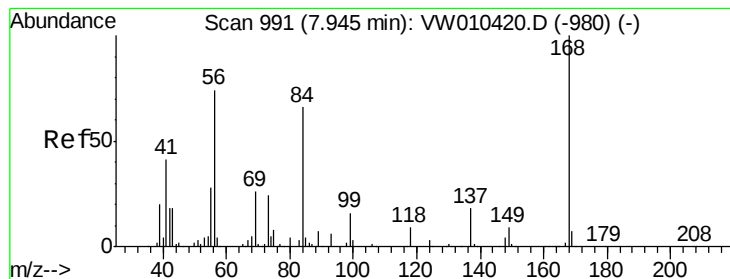
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
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Quant Title : SW846 8260
QLast Update : Fri May 17 23:21:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	227341	18.897	ug/l	99
94) Hexachlorobutadiene	15.24	225	119594	19.459	ug/l	99
95) Naphthalene	15.37	128	523454	19.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	201558	18.865	ug/l	98

(#) = 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: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

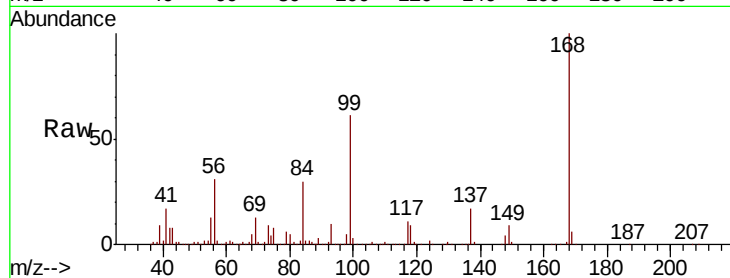
VSTDIC020

Tgt Ion:168 Resp: 794527

Ion Ratio Lower Upper

168 100

99 60.8 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

400000

300000

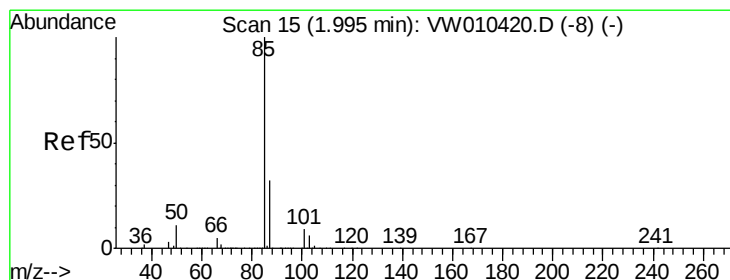
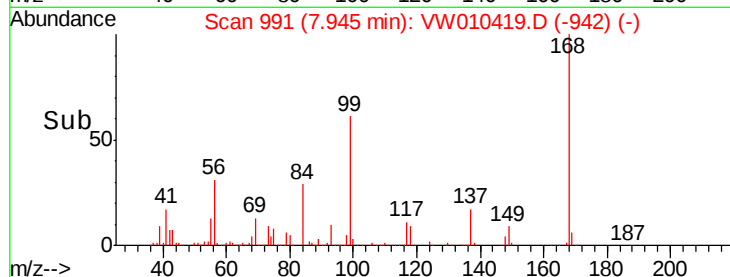
200000

100000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.169 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010419.D

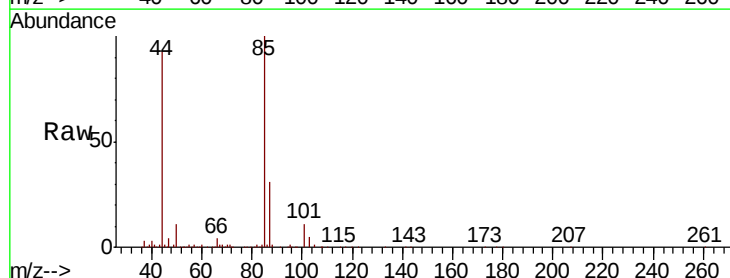
Acq: 17 May 2019 17:58

Tgt Ion: 85 Resp: 115978

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

60000

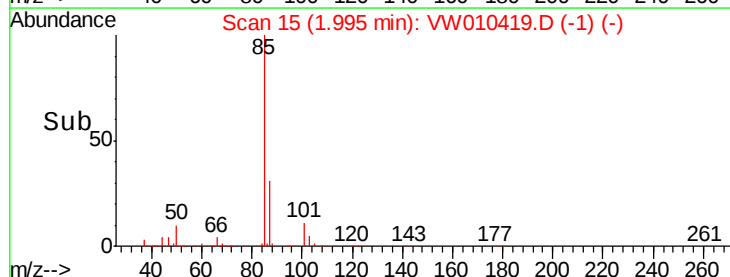
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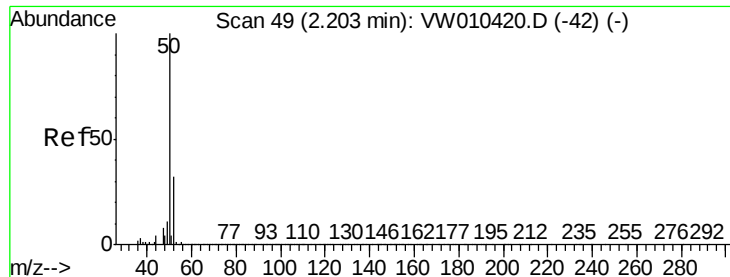
20000

0

Time-->

1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 24.853 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

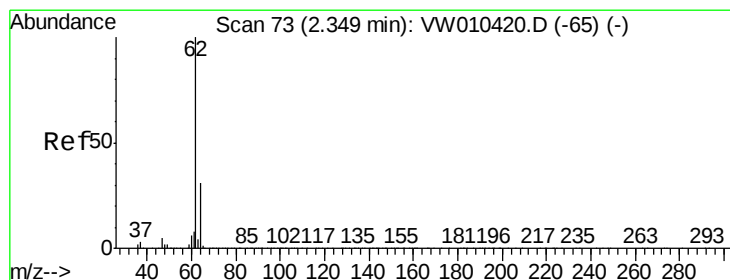
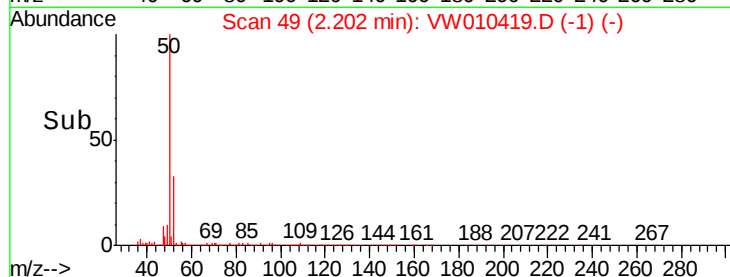
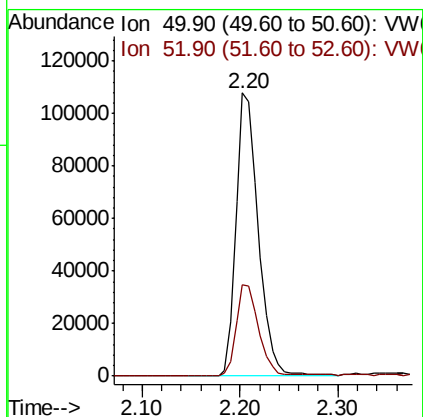
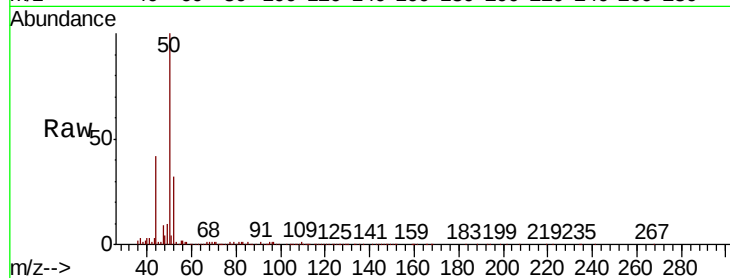
VSTDIC020

Tgt Ion: 50 Resp: 170811

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.0



#4

Vinyl Chloride

Concen: 20.681 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010419.D

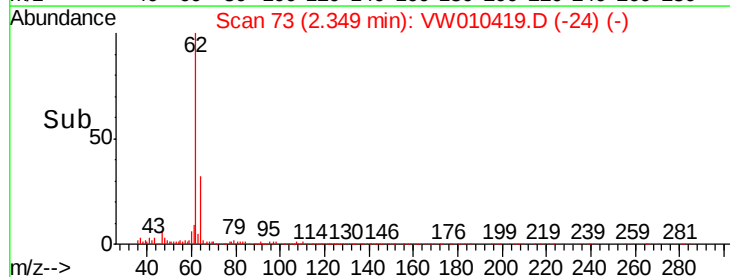
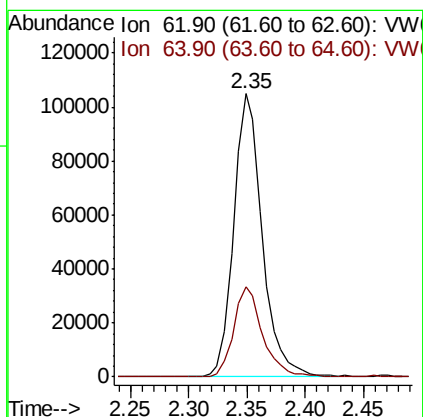
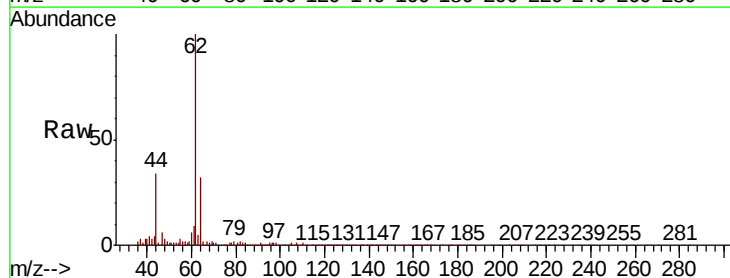
Acq: 17 May 2019 17:58

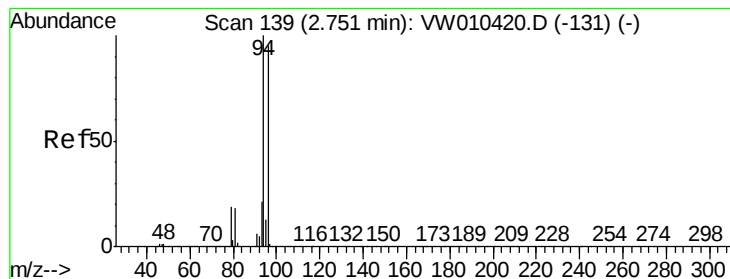
Tgt Ion: 62 Resp: 178724

Ion Ratio Lower Upper

62 100

64 31.8 24.4 36.6





#5

Bromomethane

Concen: 18.524 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

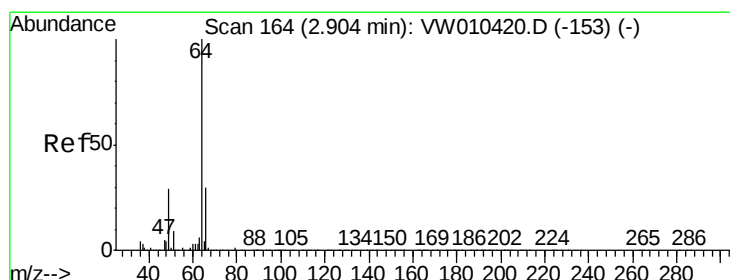
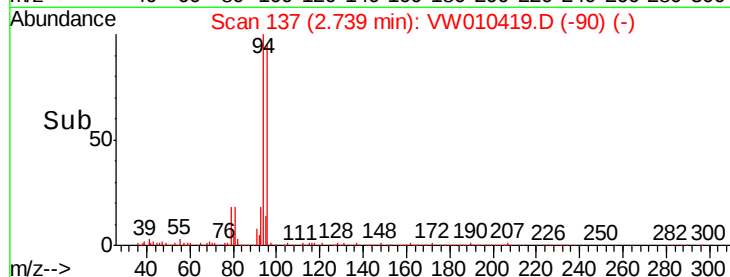
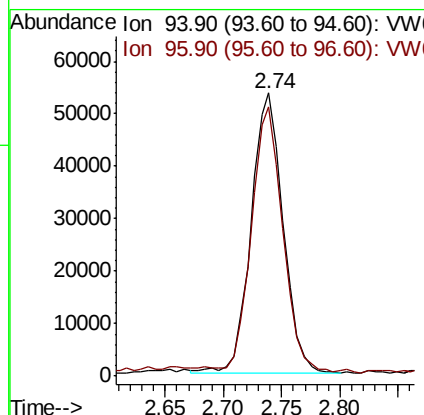
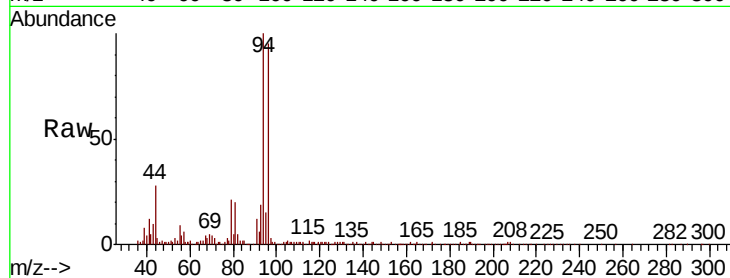
VSTDIC020

Tgt Ion: 94 Resp: 102179

Ion Ratio Lower Upper

94 100

96 93.8 75.8 113.6



#6

Chloroethane

Concen: 22.123 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010419.D

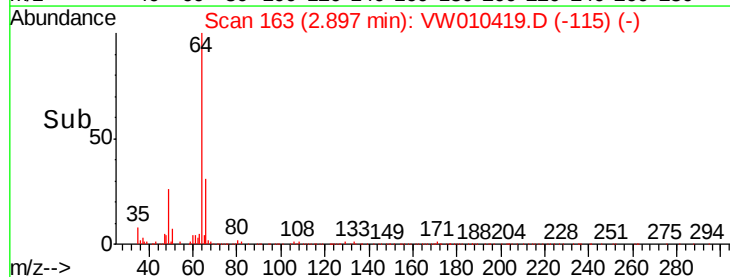
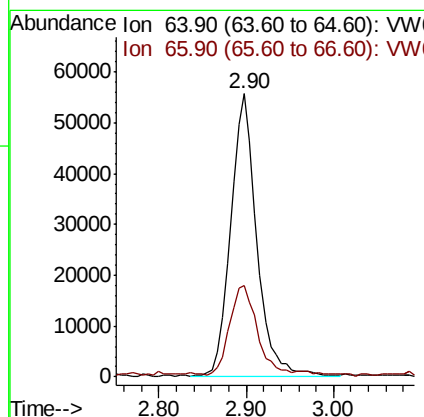
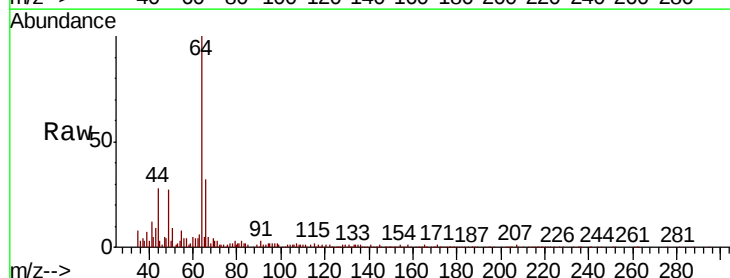
Acq: 17 May 2019 17:58

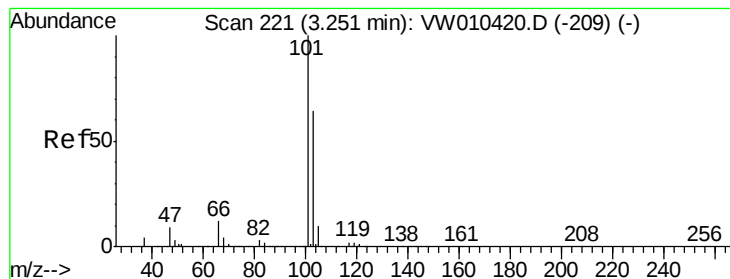
Tgt Ion: 64 Resp: 114236

Ion Ratio Lower Upper

64 100

66 31.3 23.6 35.4



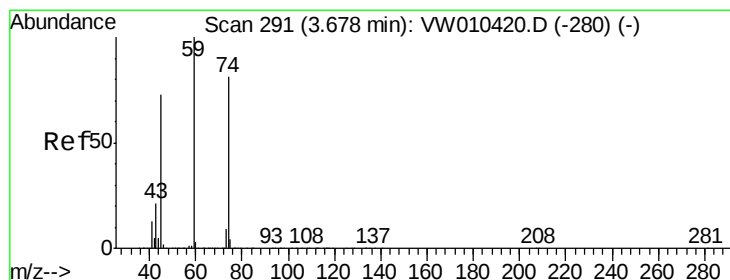
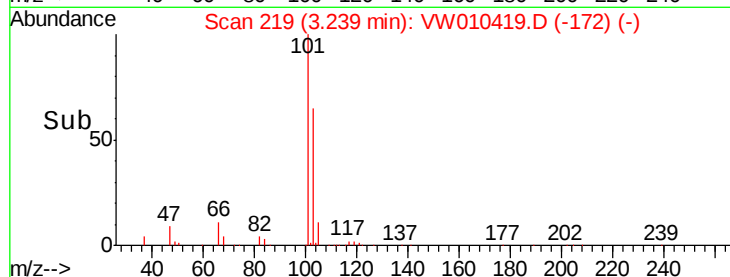
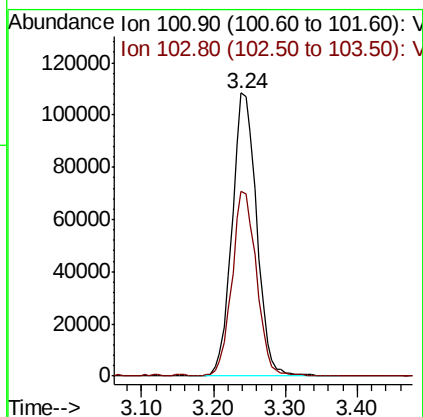
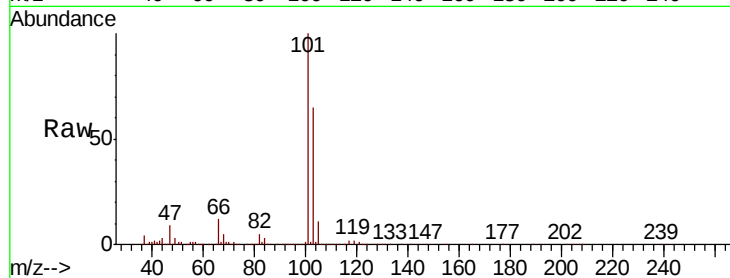


#7

Trichlorofluoromethane
 Concen: 43.262 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
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 ClientSampleId :
 VSTDIC020

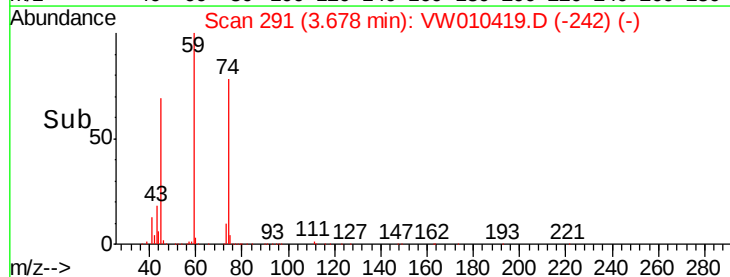
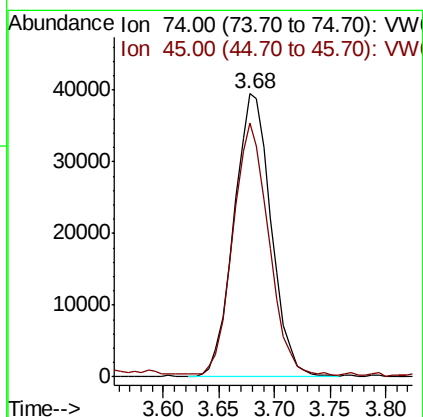
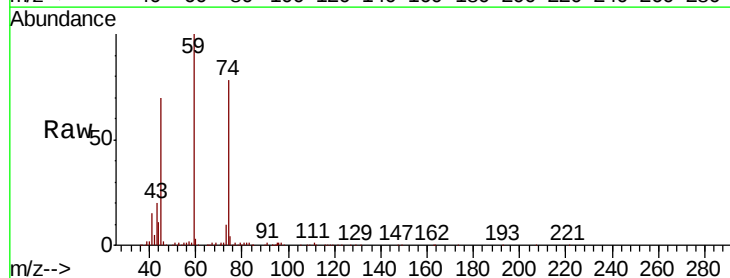
Tgt Ion: 101 Resp: 258214
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.4 77.0

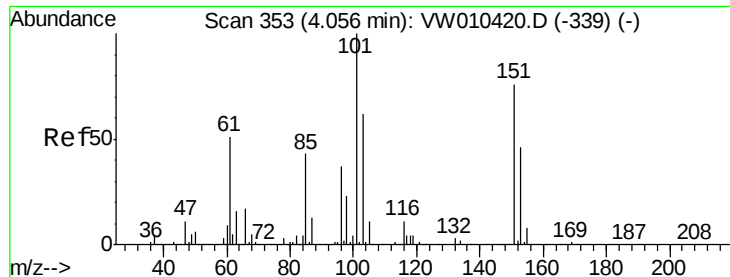


#8

Diethyl Ether
 Concen: 21.896 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 74 Resp: 91257
 Ion Ratio Lower Upper
 74 100
 45 86.2 43.4 130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.254 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

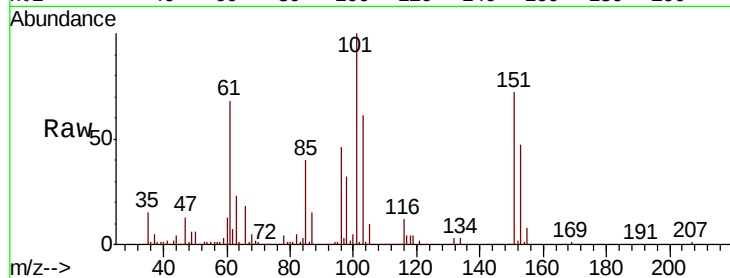
Tgt Ion:101 Resp: 164386

Ion Ratio Lower Upper

101 100

85 43.2 34.3 51.5

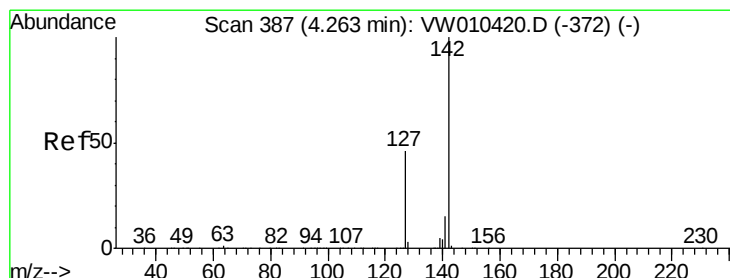
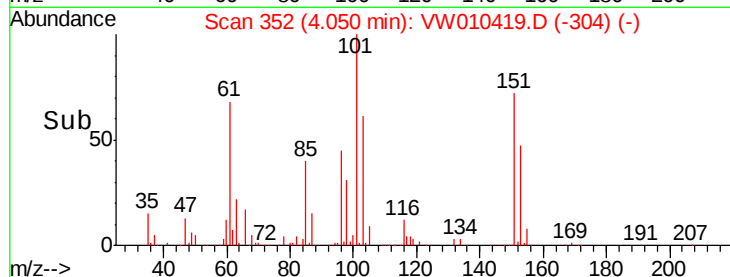
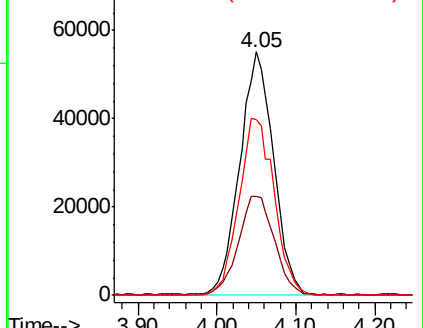
151 75.5 59.4 89.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.647 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

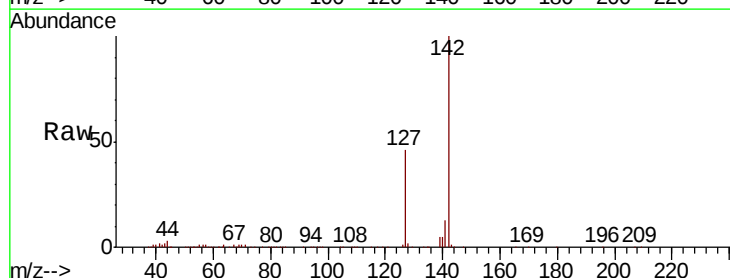
Tgt Ion:142 Resp: 178327

Ion Ratio Lower Upper

142 100

127 44.8 35.4 53.2

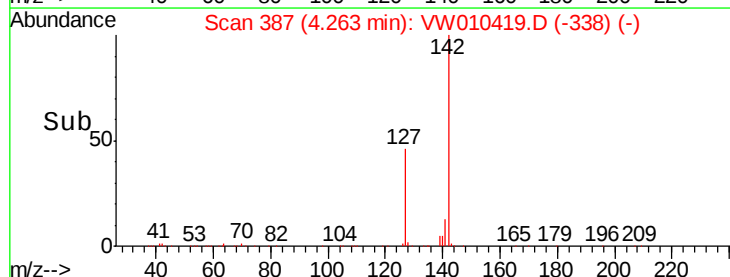
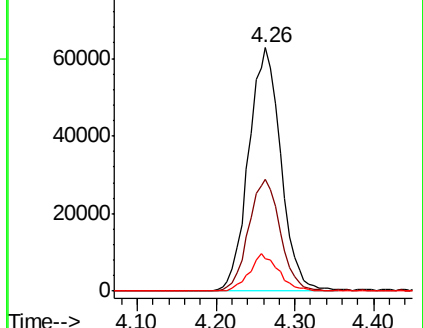
141 14.0 11.4 17.2

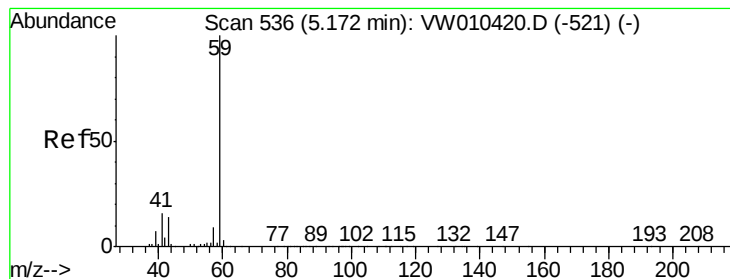


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



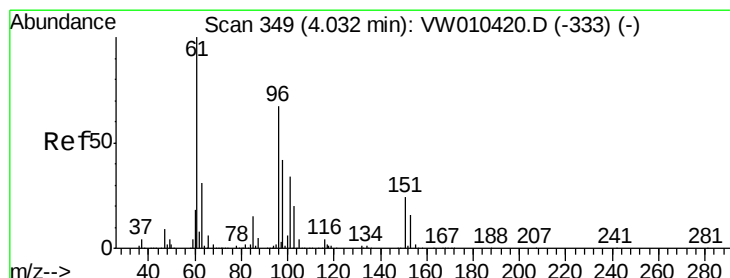
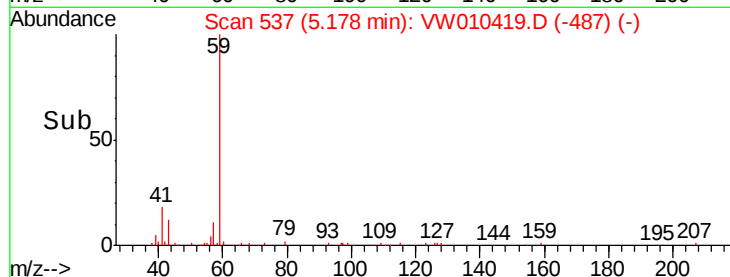
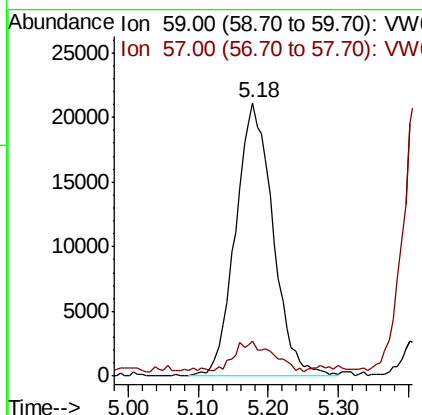
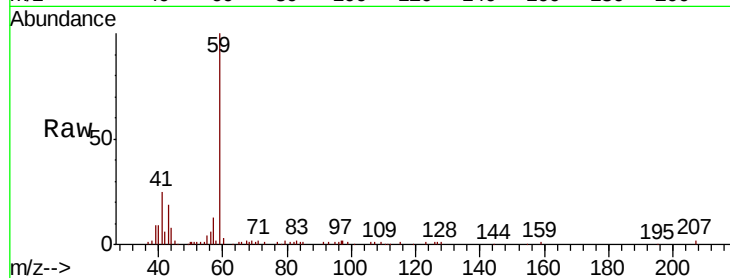


#11

Tert butyl alcohol
Concen: 116.842 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

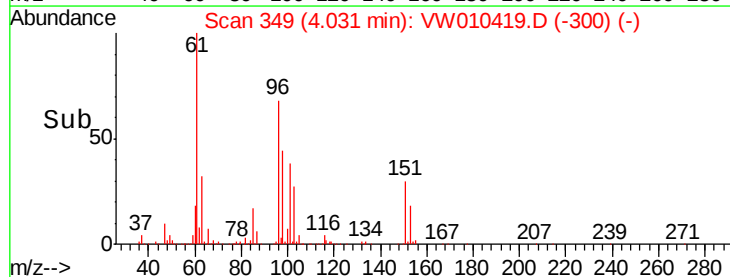
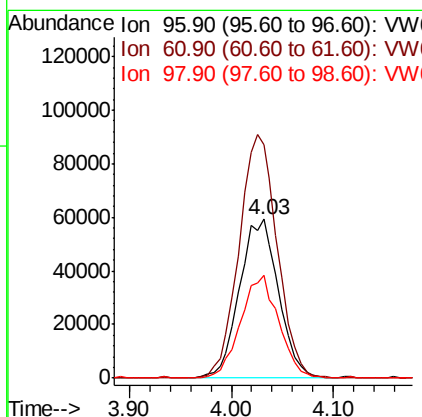
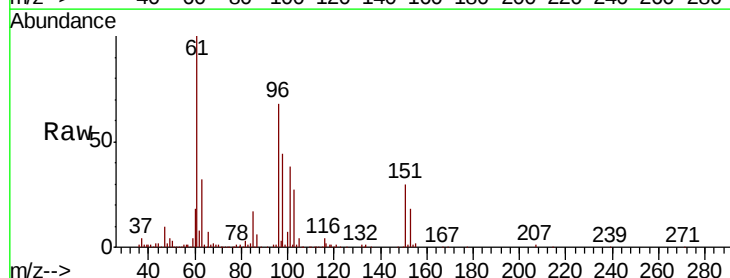
Tgt Ion: 59 Resp: 78422
Ion Ratio Lower Upper
59 100
57 10.9 8.4 12.6

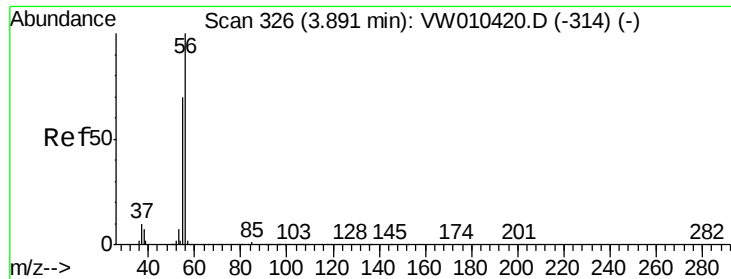


#12

1,1-Dichloroethene
Concen: 20.208 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion: 96 Resp: 155917
Ion Ratio Lower Upper
96 100
61 146.9 120.3 180.5
98 64.2 50.7 76.1





#13

Acrolein

Concen: 159.275 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

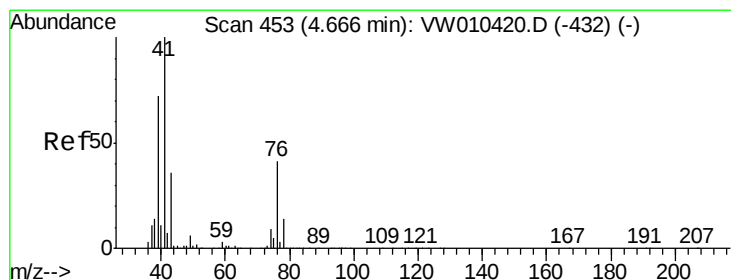
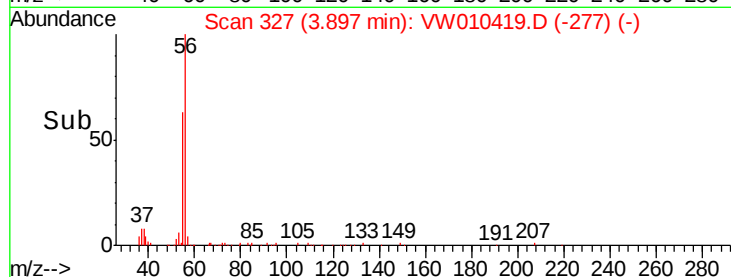
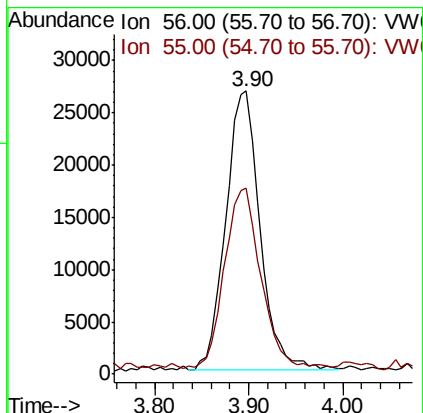
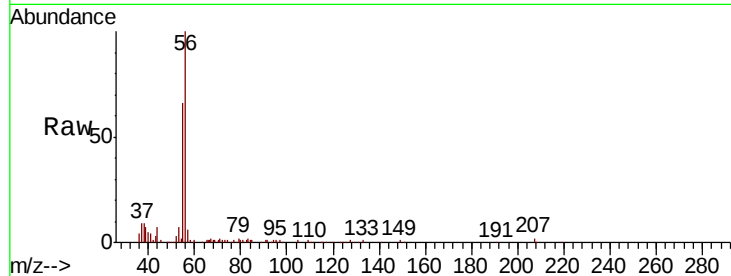
VSTDIC020

Tgt Ion: 56 Resp: 67661

Ion Ratio Lower Upper

56 100

55 68.0 57.6 86.4



#14

Allyl chloride

Concen: 23.972 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

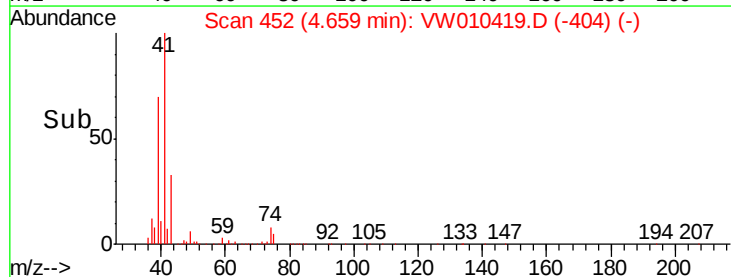
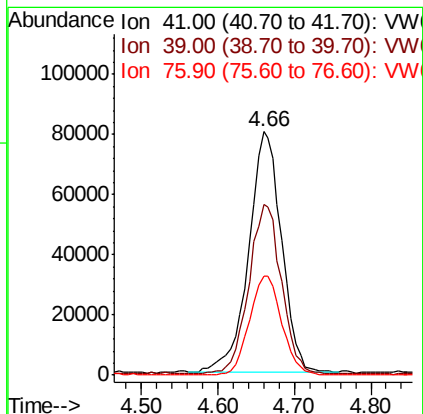
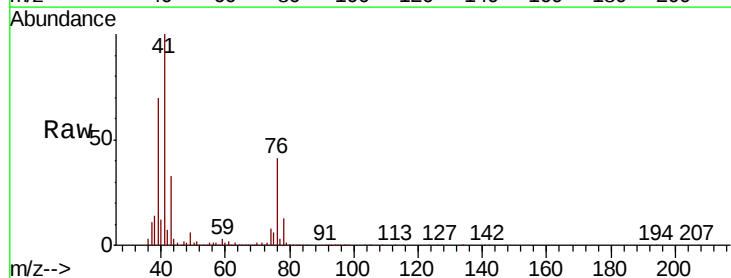
Tgt Ion: 41 Resp: 239837

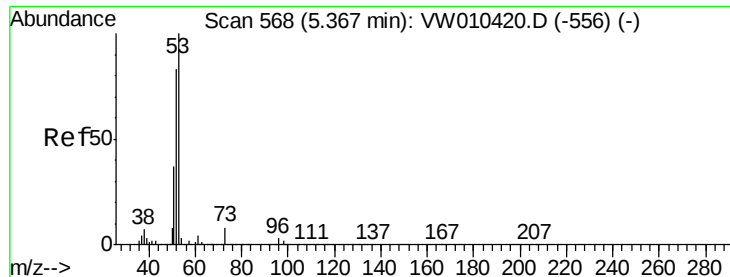
Ion Ratio Lower Upper

41 100

39 69.8 54.9 82.3

76 40.5 31.8 47.6





#15

Acrylonitrile

Concen: 106.473 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

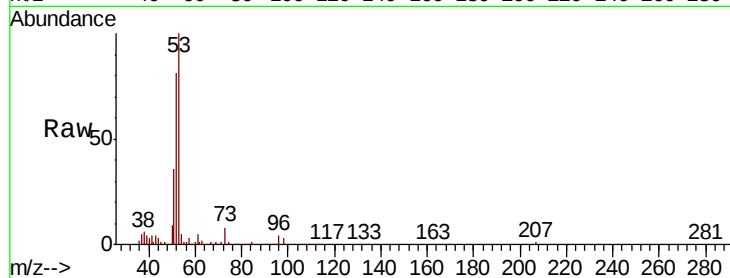
Tgt Ion: 53 Resp: 195649

Ion Ratio Lower Upper

53 100

52 81.3 63.9 95.9

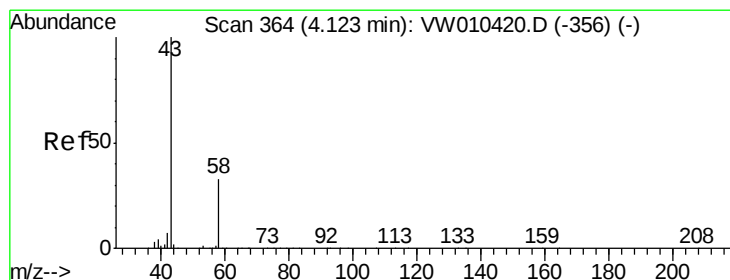
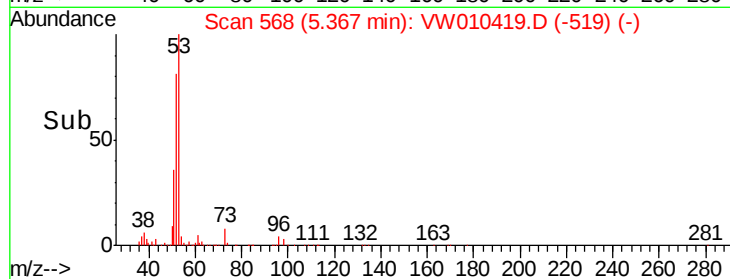
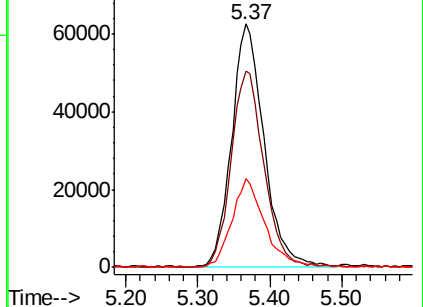
51 37.2 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 99.874 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010419.D

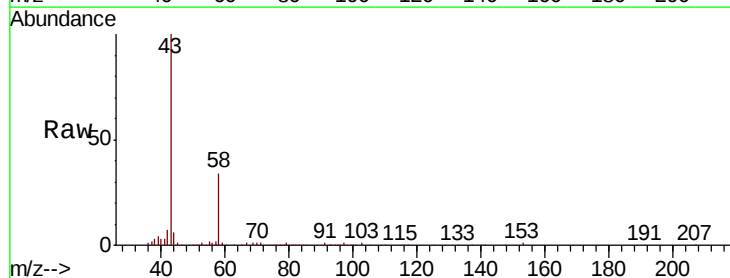
Acq: 17 May 2019 17:58

Tgt Ion: 43 Resp: 146328

Ion Ratio Lower Upper

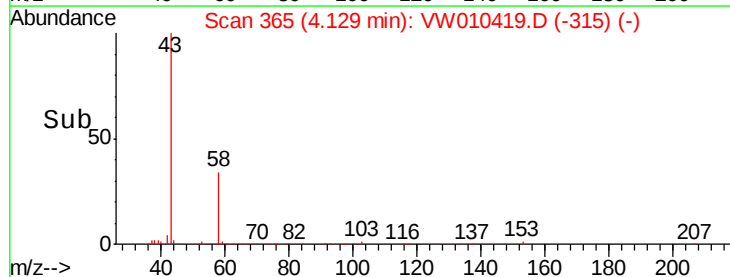
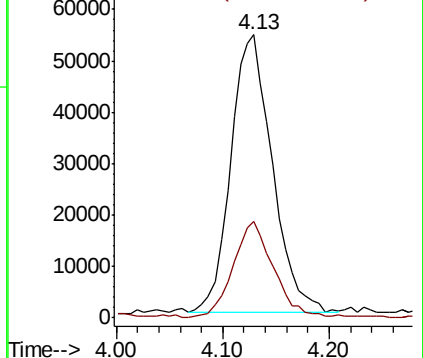
43 100

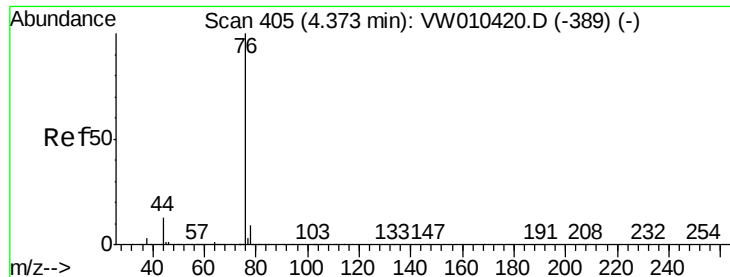
58 34.4 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 21.183 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

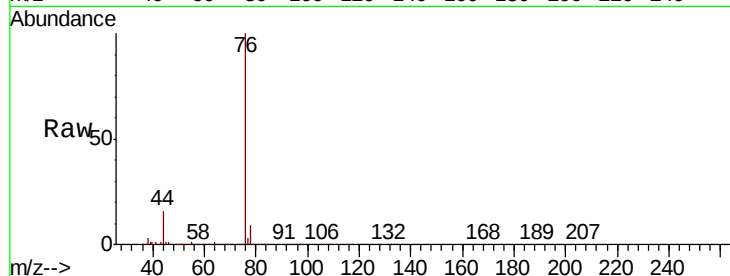
VSTDIC020

Tgt Ion: 76 Resp: 444560

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

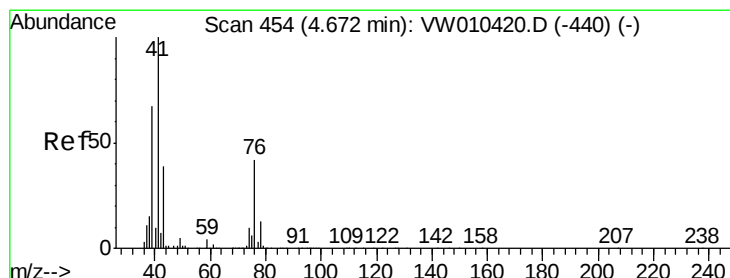
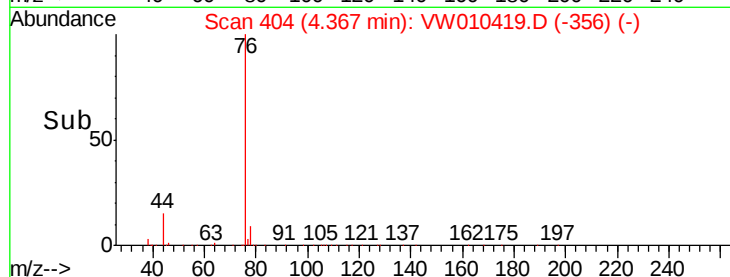
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 20.708 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010419.D

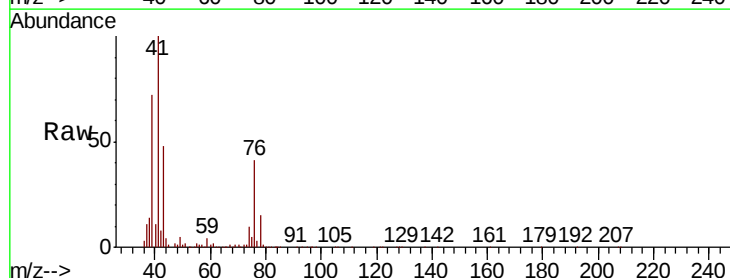
Acq: 17 May 2019 17:58

Tgt Ion: 43 Resp: 96905

Ion Ratio Lower Upper

43 100

74 25.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

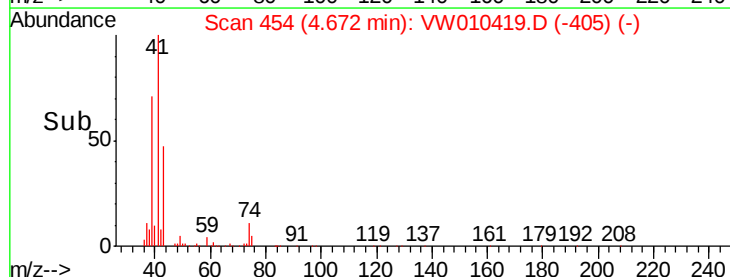
30000

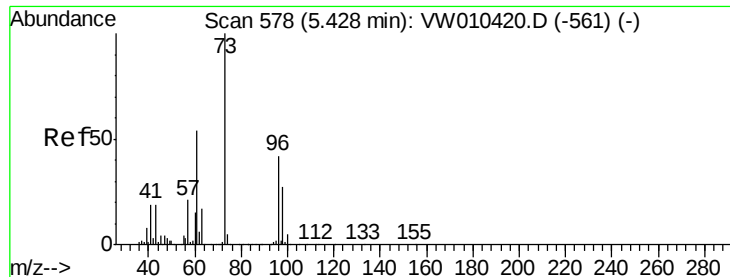
20000

10000

0

Time--> 4.60 4.70 4.80



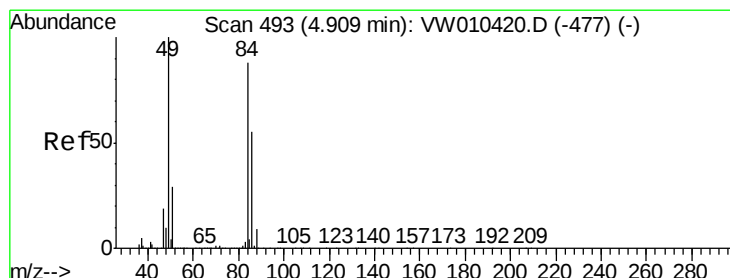
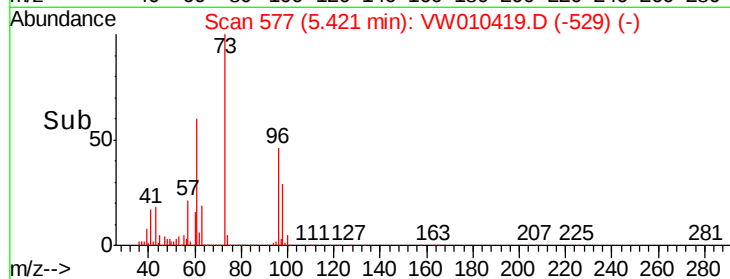
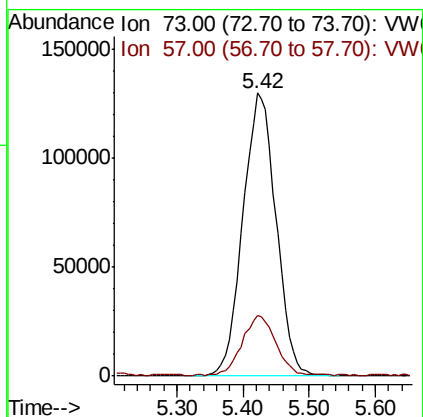
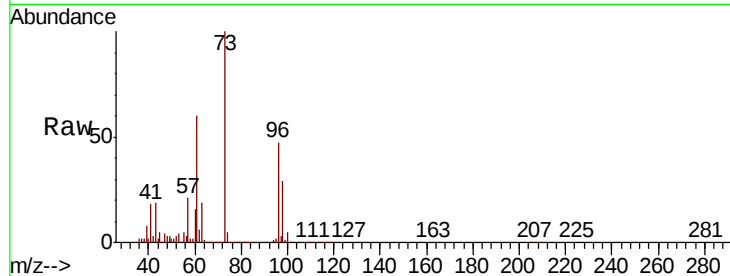


#19

Methyl tert-butyl Ether
 Concen: 35.824 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

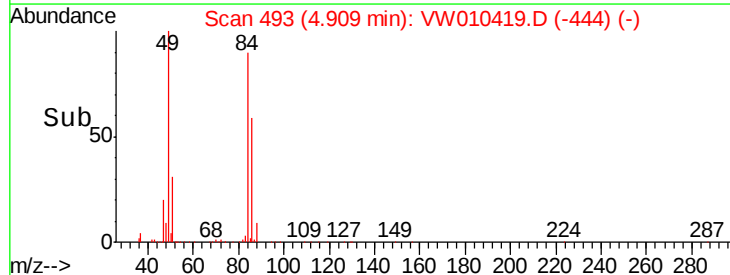
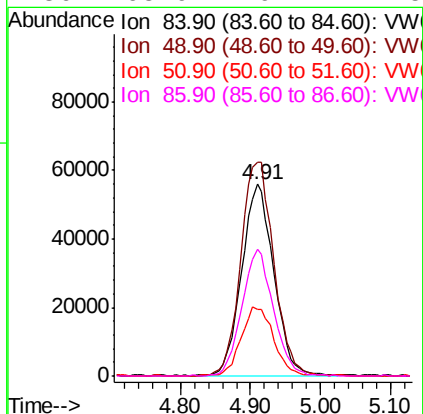
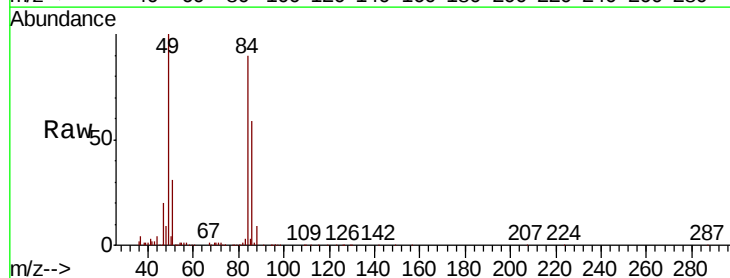
Tgt Ion: 73 Resp: 452141
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.0 25.4

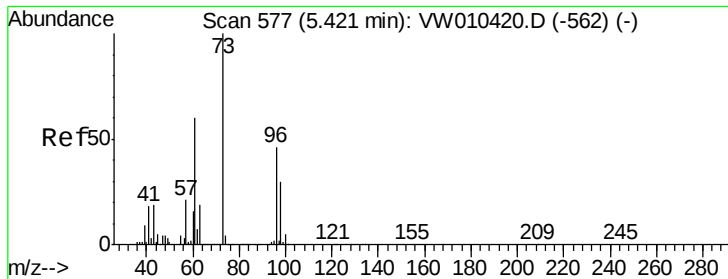


#20

Methylene Chloride
 Concen: 20.809 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 84 Resp: 178190
 Ion Ratio Lower Upper
 84 100
 49 111.7 90.6 135.8
 51 34.7 26.6 40.0
 86 65.9 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 21.194 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

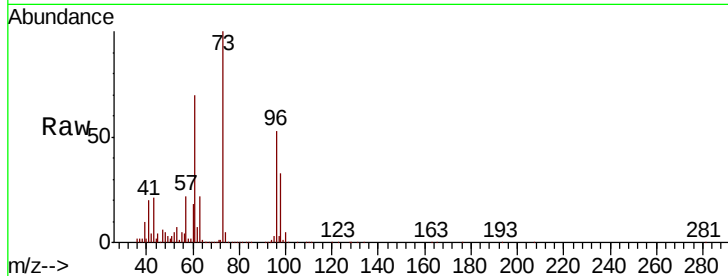
Tgt Ion: 96 Resp: 182232

Ion Ratio Lower Upper

96 100

61 132.7 103.9 155.9

98 62.3 51.5 77.3

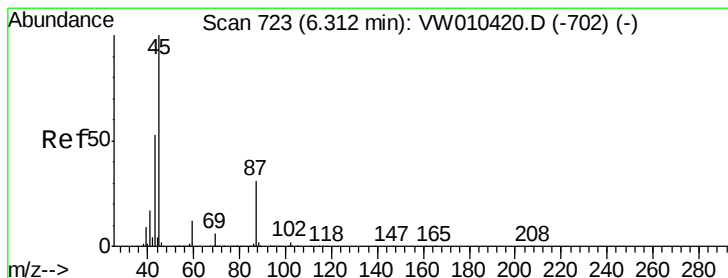
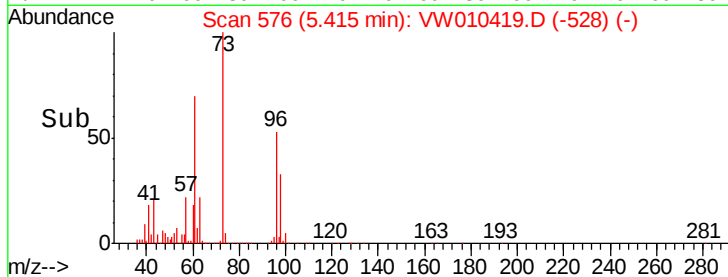
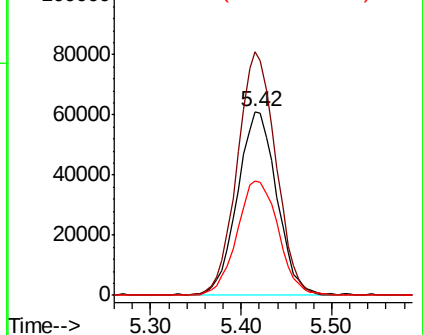


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.615 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion: 45 Resp: 515545

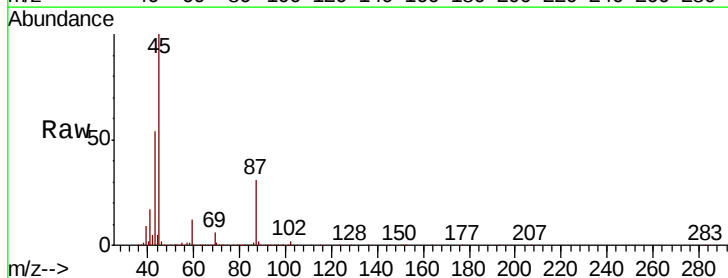
Ion Ratio Lower Upper

45 100

43 53.8 42.0 63.0

87 30.8 25.0 37.6

59 11.8 9.7 14.5



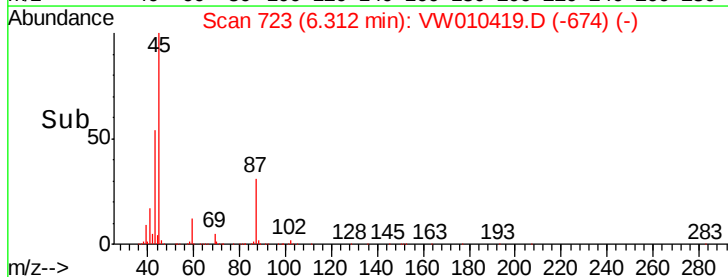
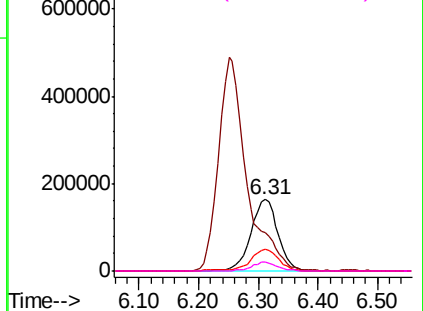
Abundance

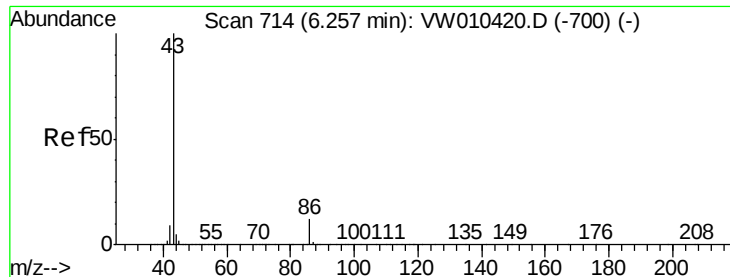
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.422 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampled :

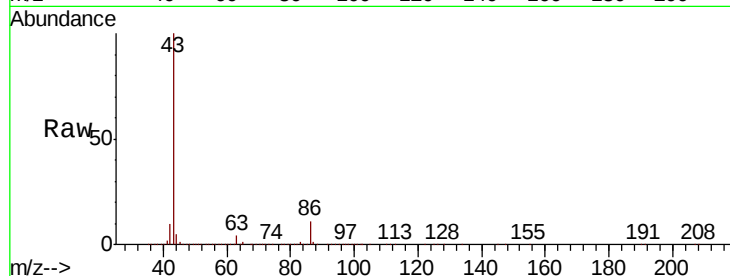
VSTDIC020

Tgt Ion: 43 Resp: 1598060

Ion Ratio Lower Upper

43 100

86 11.4 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

300000

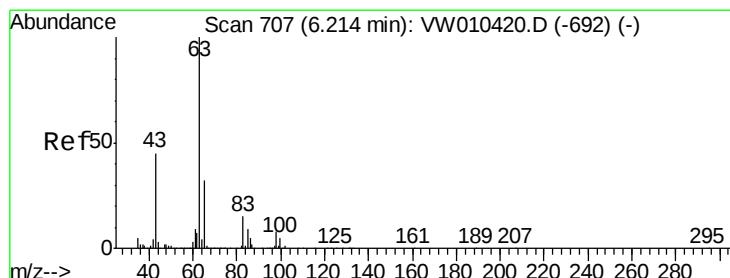
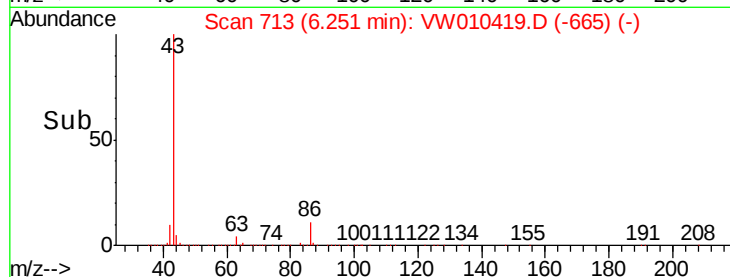
200000

100000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.862 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

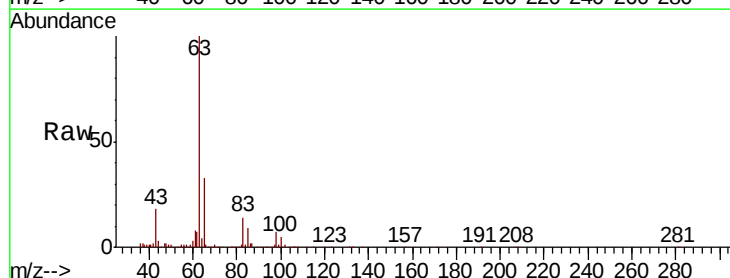
Tgt Ion: 63 Resp: 303440

Ion Ratio Lower Upper

63 100

98 6.7 4.0 12.0

100 5.2 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

6.21

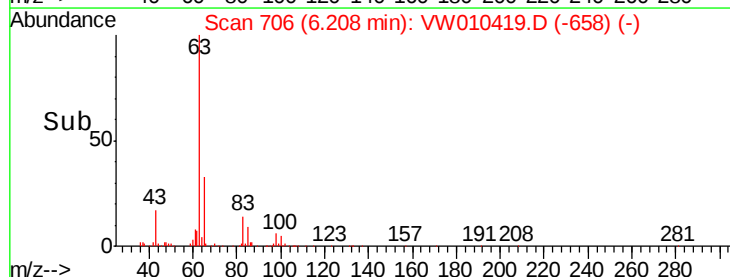
100000

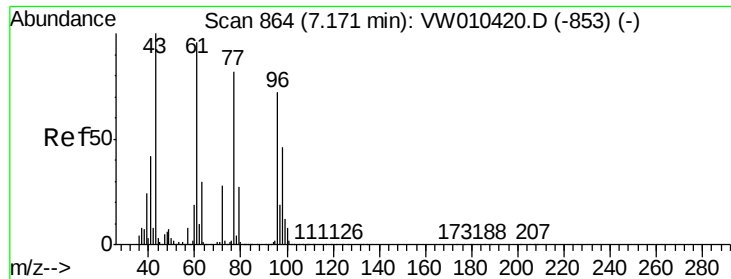
50000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 94.753 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

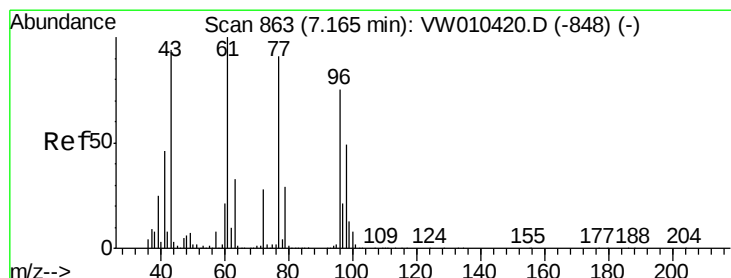
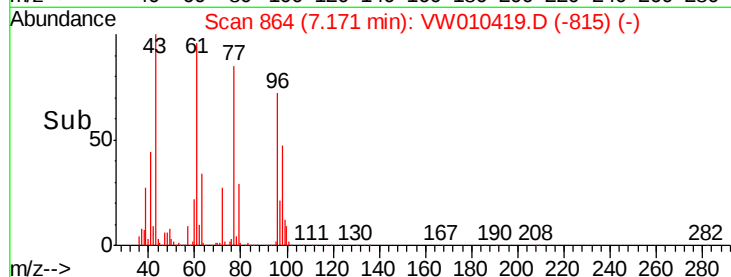
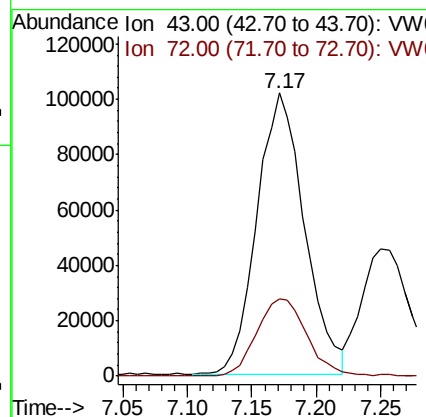
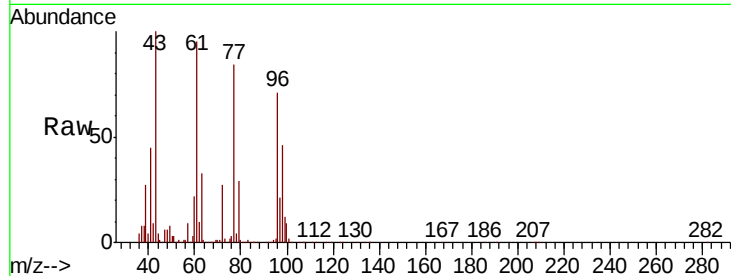
VSTDIC020

Tgt Ion: 43 Resp: 260075

Ion Ratio Lower Upper

43 100

72 27.3 22.6 33.8



#26

2,2-Dichloropropane

Concen: 33.074 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010419.D

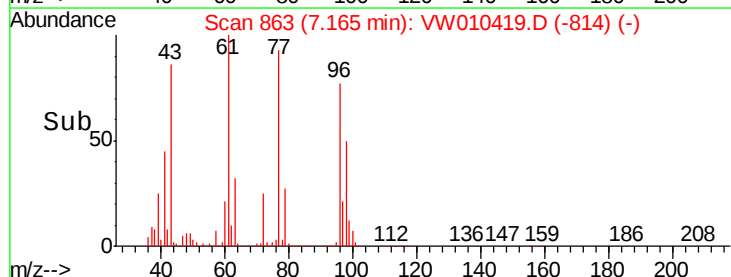
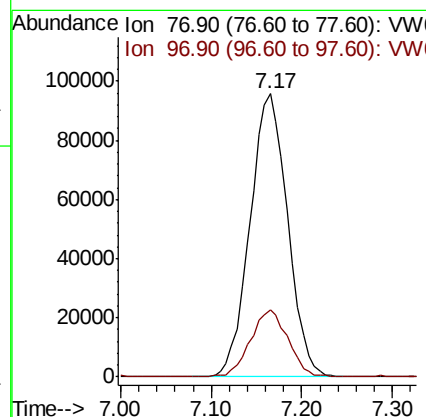
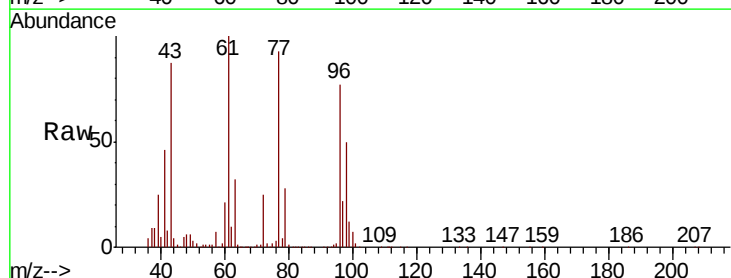
Acq: 17 May 2019 17:58

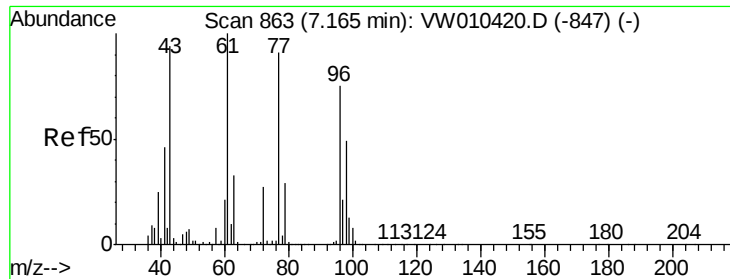
Tgt Ion: 77 Resp: 273821

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1



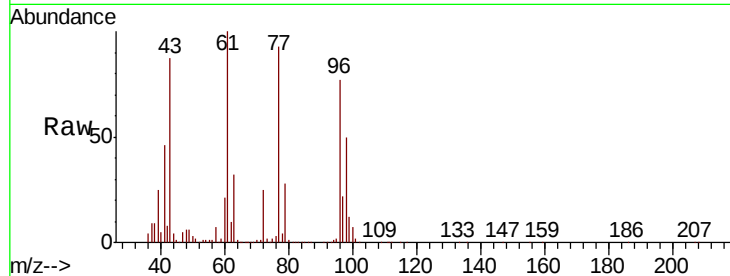


#27

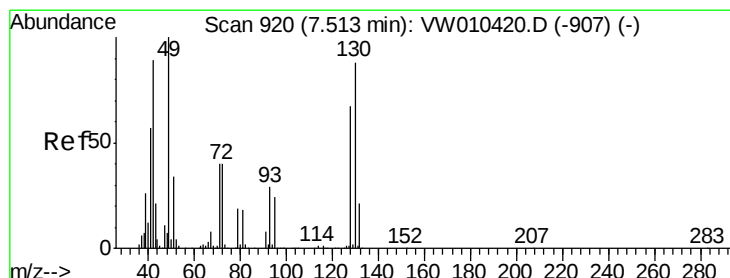
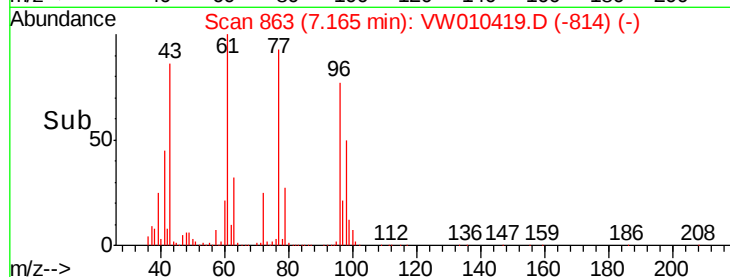
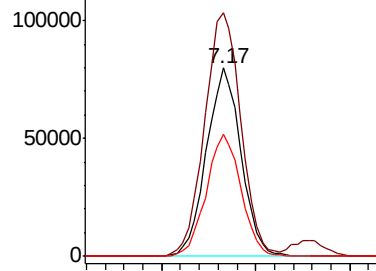
cis-1,2-Dichloroethene
Concen: 20.542 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tgt Ion: 96 Resp: 203809
Ion Ratio Lower Upper
96 100
61 136.6 0.0 266.4
98 65.5 0.0 129.6



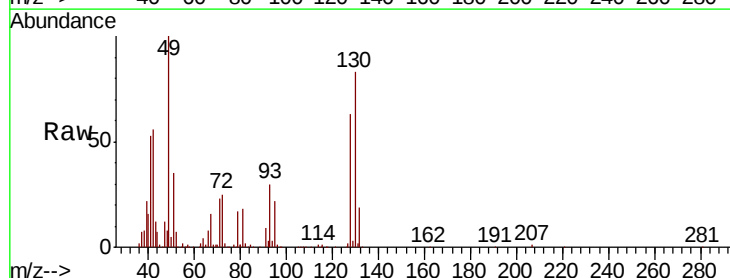
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



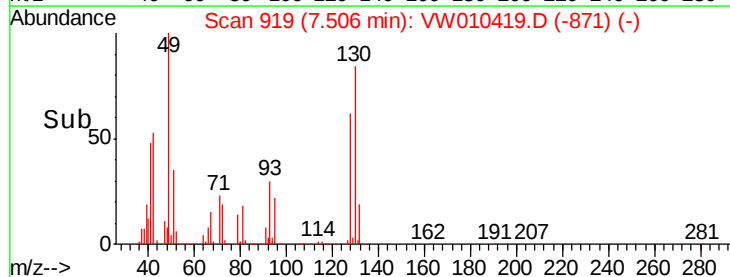
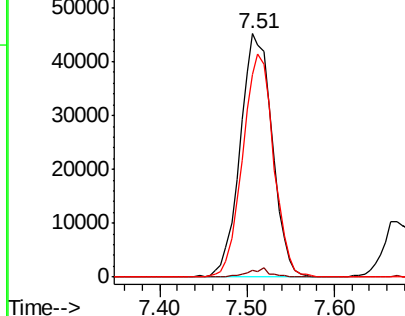
#28

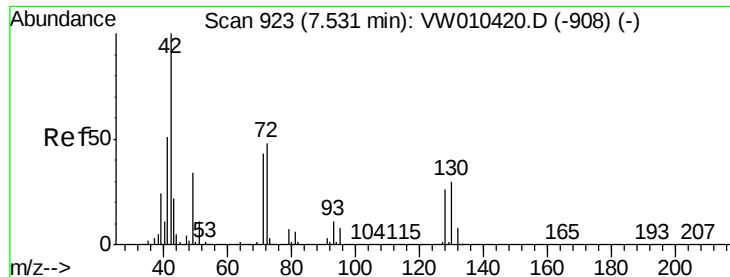
Bromochloromethane
Concen: 19.132 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion: 49 Resp: 115421
Ion Ratio Lower Upper
49 100
129 2.6 0.0 4.6
130 87.9 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: 94.464 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

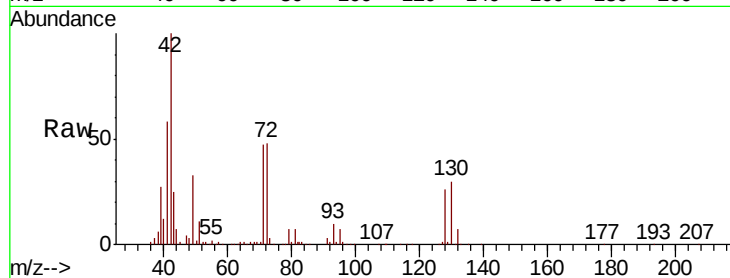
Tgt Ion: 42 Resp: 173688

Ion Ratio Lower Upper

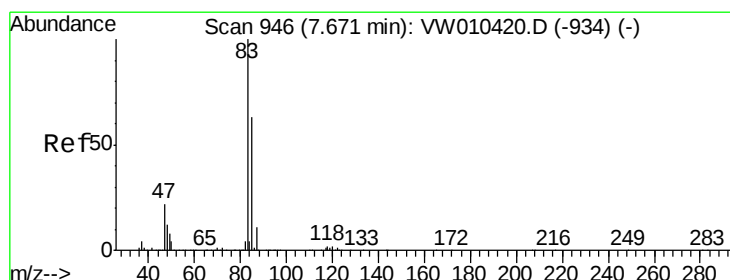
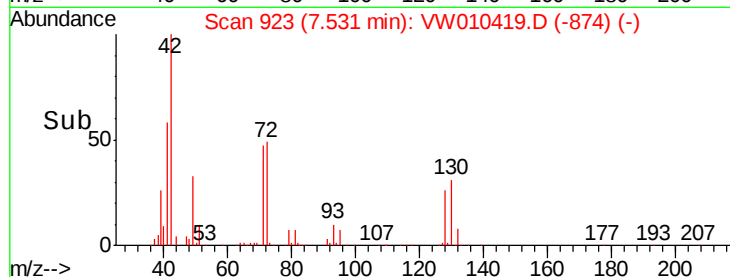
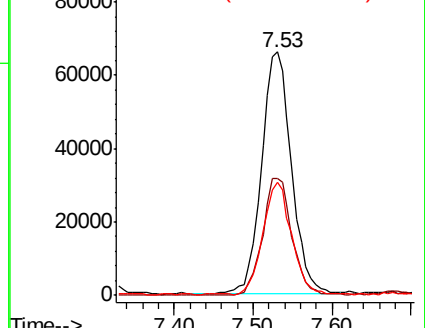
42 100

72 47.5 38.2 57.2

71 44.8 36.0 54.0



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



#30

Chloroform

Concen: 20.714 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW010419.D

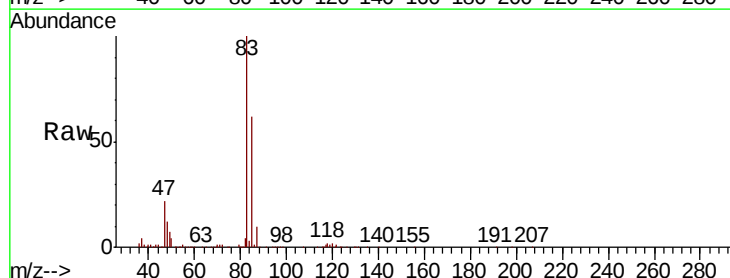
Acq: 17 May 2019 17:58

Tgt Ion: 83 Resp: 316557

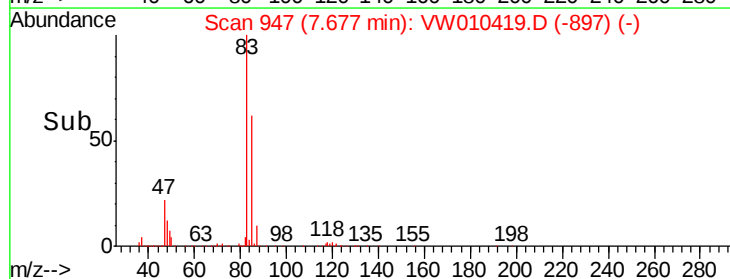
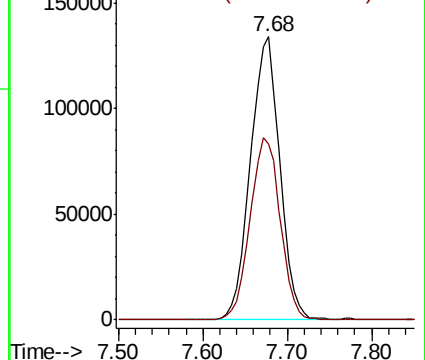
Ion Ratio Lower Upper

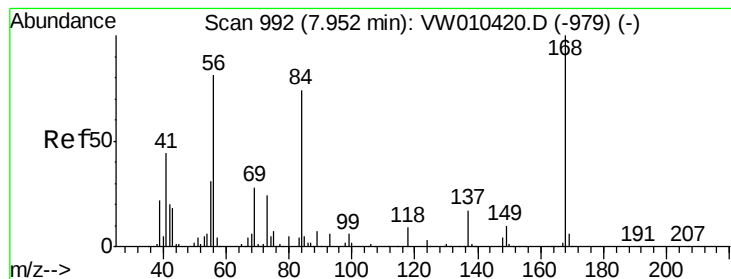
83 100

85 62.1 50.8 76.2



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





#31

Cyclohexane

Concen: 21.111 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

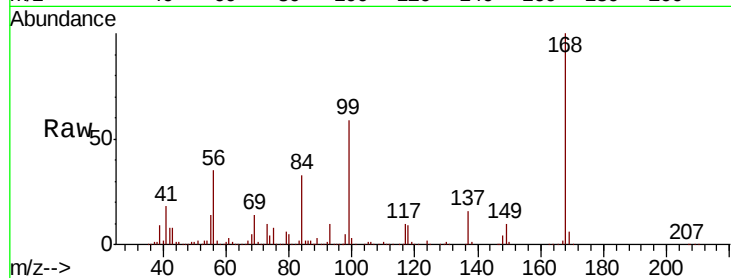
Tgt Ion: 56 Resp: 298623

Ion Ratio Lower Upper

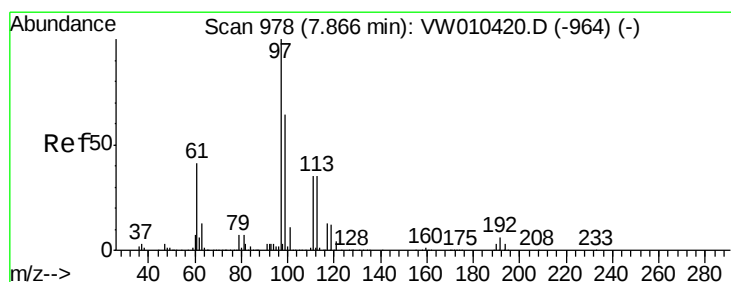
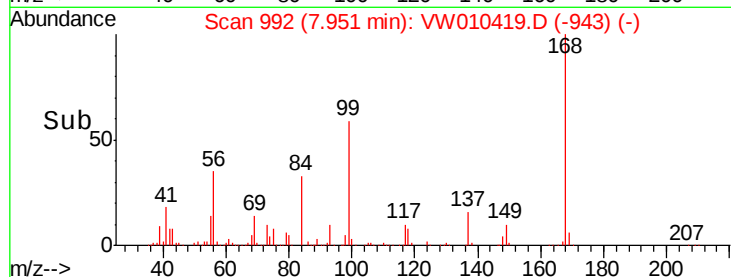
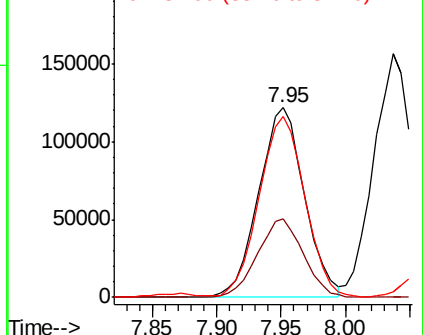
56 100

69 41.3 27.6 41.4

84 94.4 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: 24.181 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

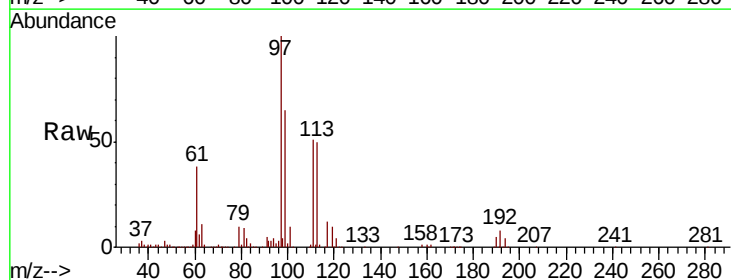
Tgt Ion: 97 Resp: 297964

Ion Ratio Lower Upper

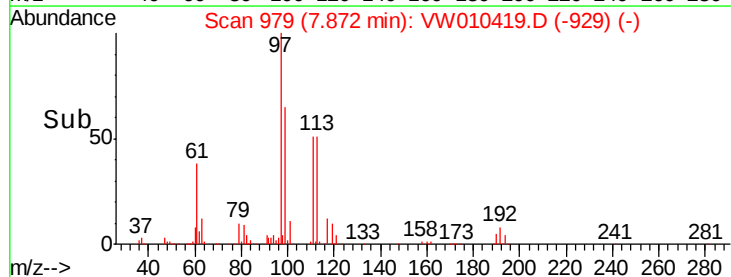
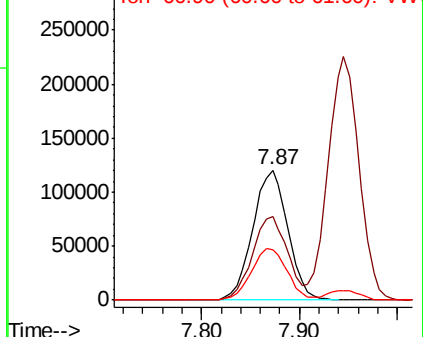
97 100

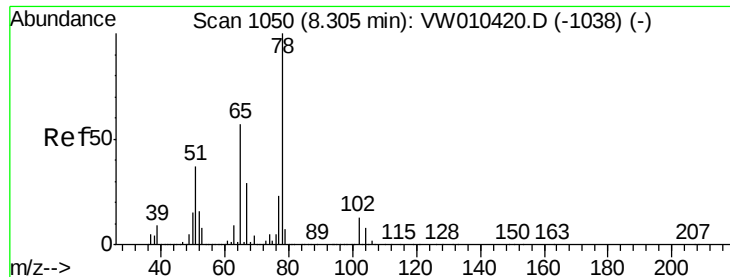
99 64.8 51.4 77.2

61 40.7 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

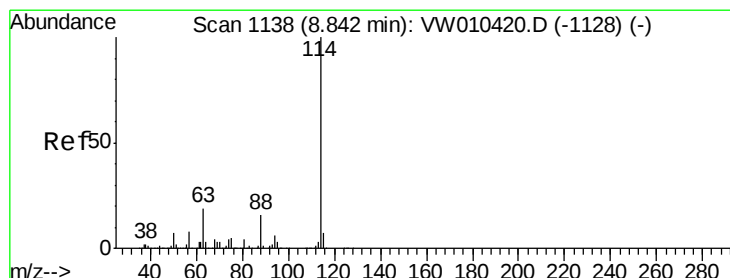
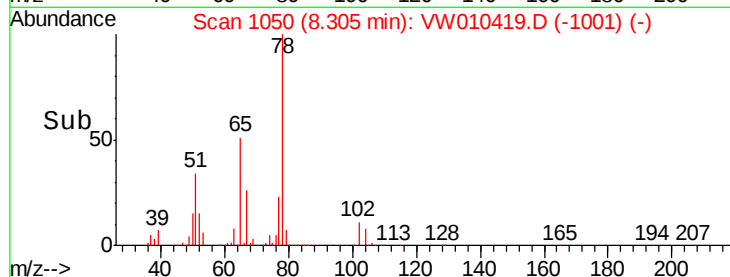
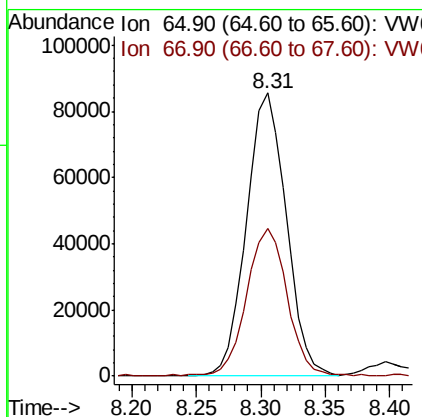
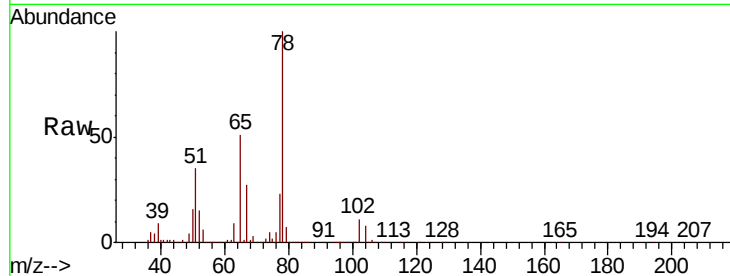




#33
 1,2-Dichloroethane-d4
 Concen: 22.362 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

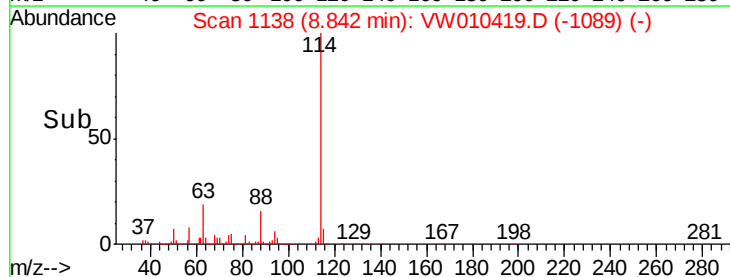
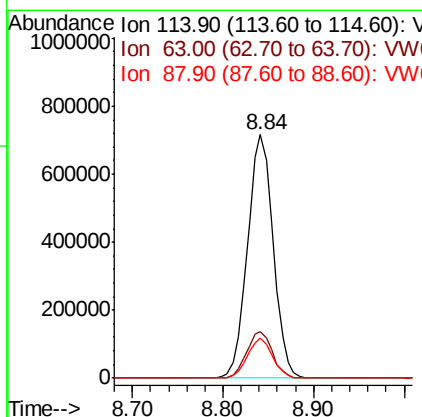
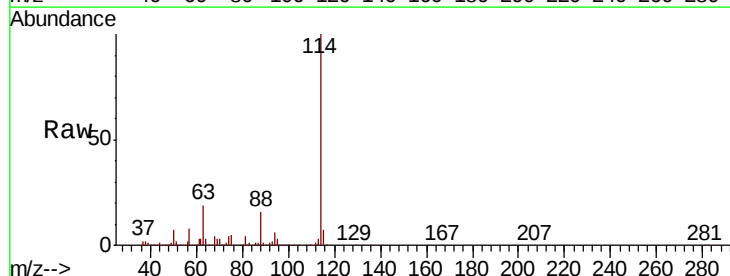
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

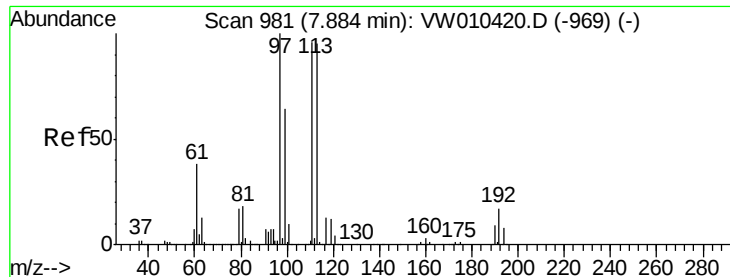
Tgt Ion: 65 Resp: 182733
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 114 Resp: 1402741
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.8
 88 16.4 0.0 31.6

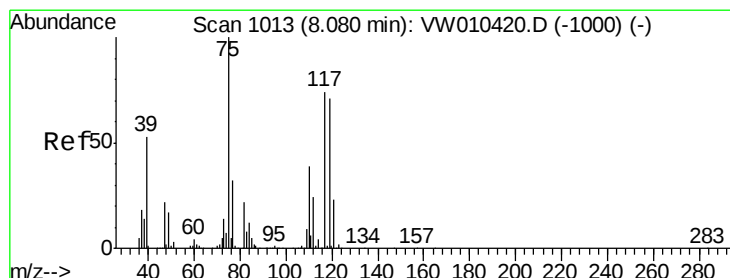
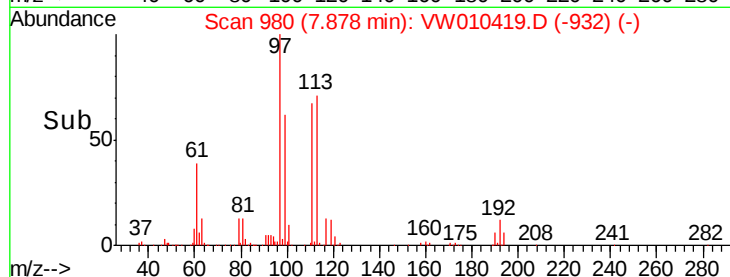
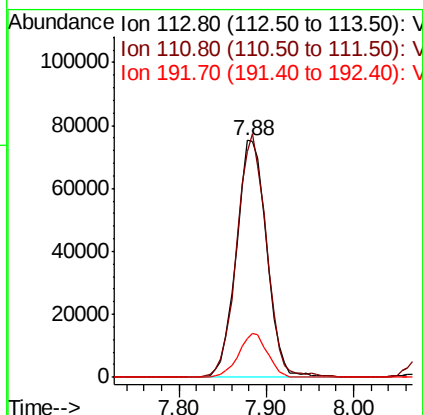
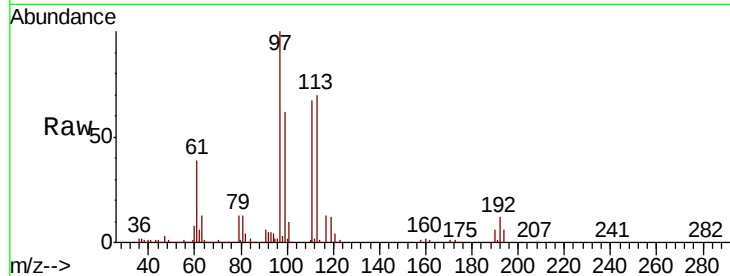




#35
 Dibromofluoromethane
 Concen: 21.681 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

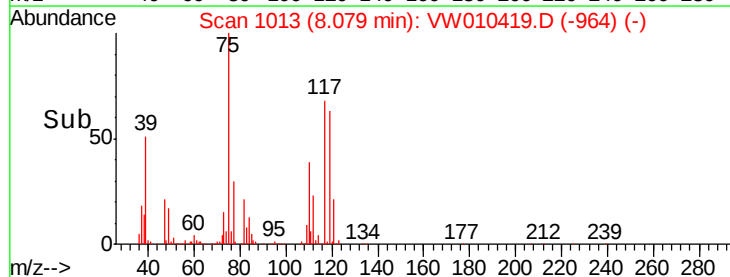
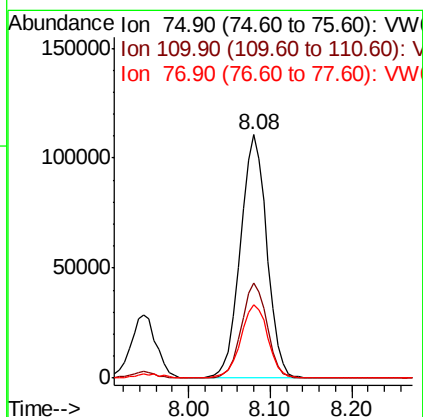
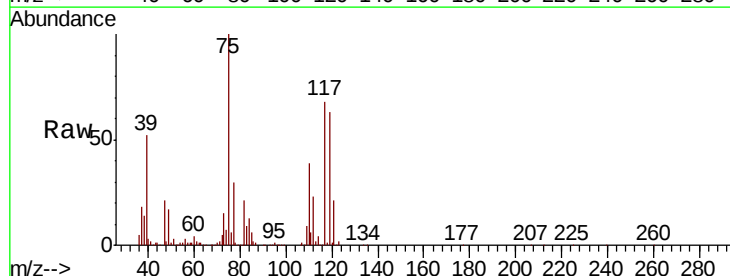
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

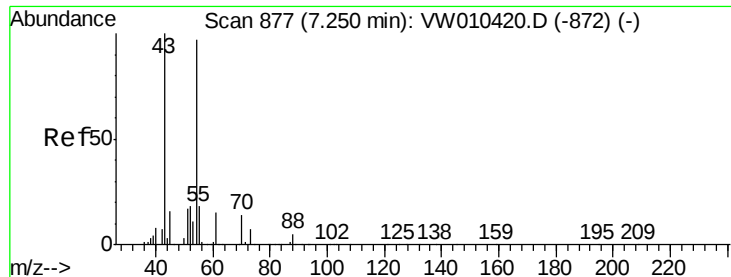
Tgt Ion: 113 Resp: 181172
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.5 123.7
 192 17.7 14.2 21.4



#36
 1,1-Dichloropropene
 Concen: 20.598 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 75 Resp: 248621
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.4 58.1
 77 30.5 24.7 37.1

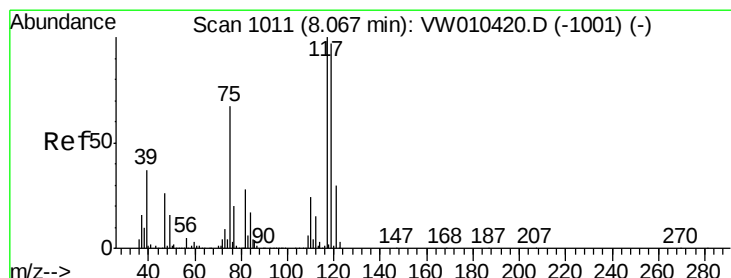
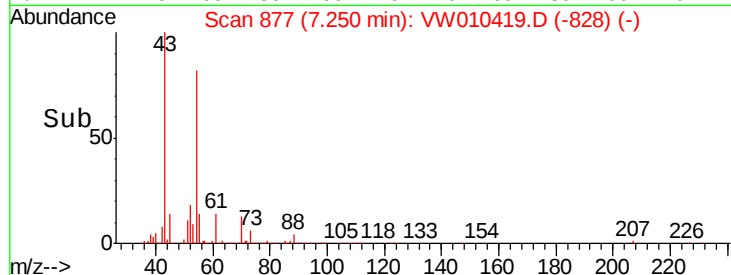
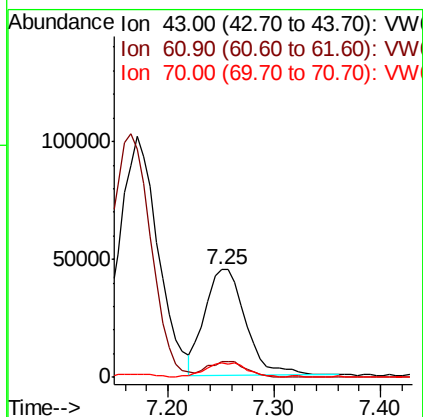
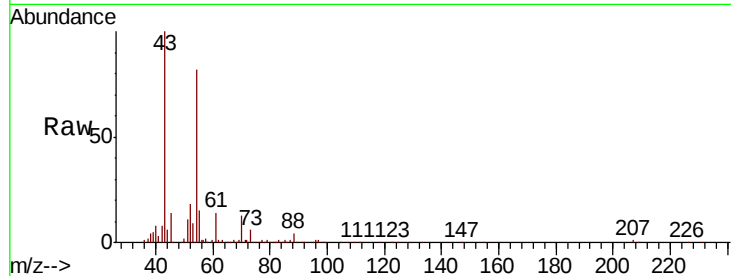




#37
 Ethyl Acetate
 Concen: 19.696 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

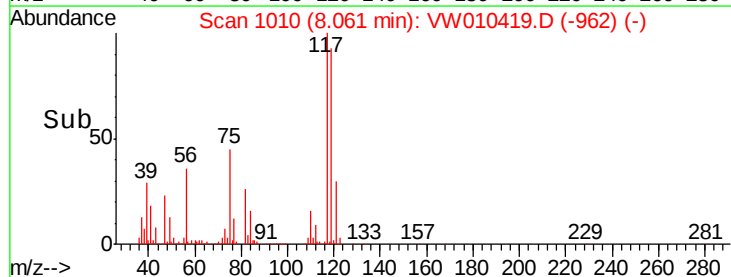
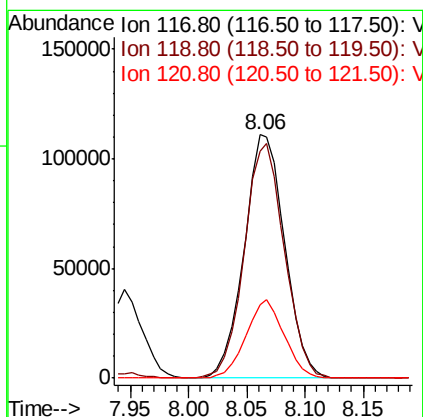
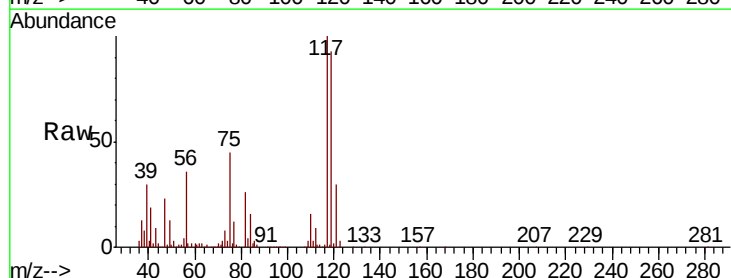
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

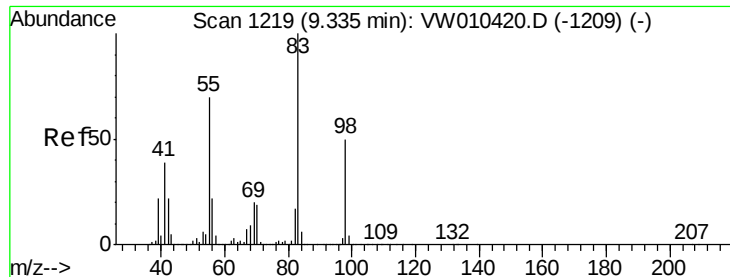
Tgt Ion: 43 Resp: 119202
 Ion Ratio Lower Upper
 43 100
 61 13.6 11.8 17.6
 70 13.2 9.4 14.0



#38
 Carbon Tetrachloride
 Concen: 21.544 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 117 Resp: 266693
 Ion Ratio Lower Upper
 117 100
 119 93.4 77.8 116.6
 121 30.2 24.2 36.2

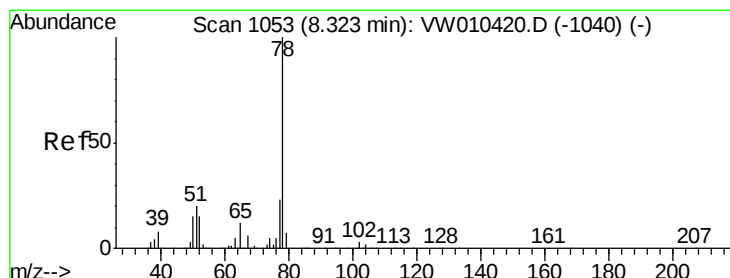
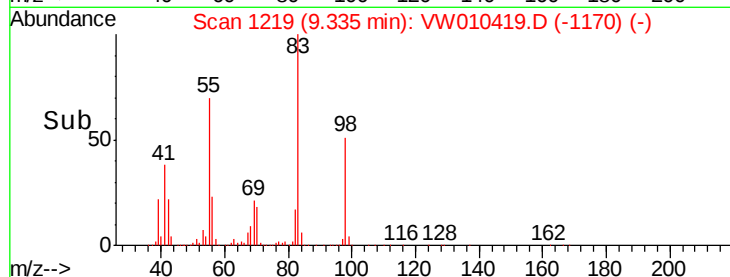
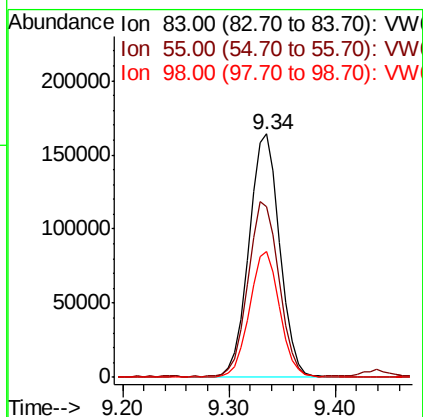
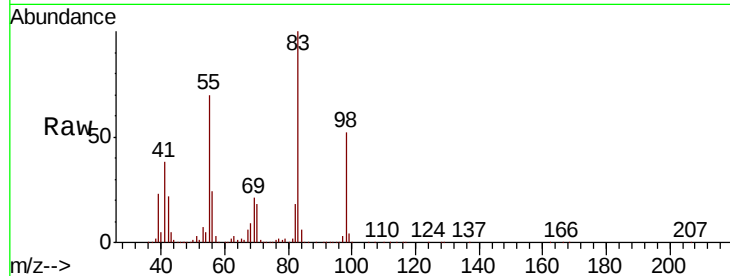




#39
Methylcyclohexane
Concen: 20.791 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

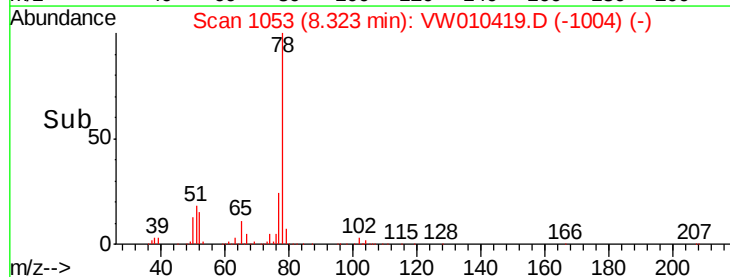
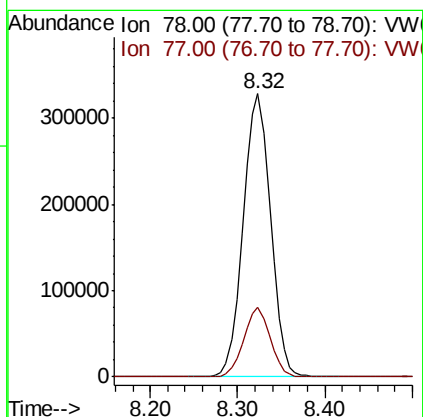
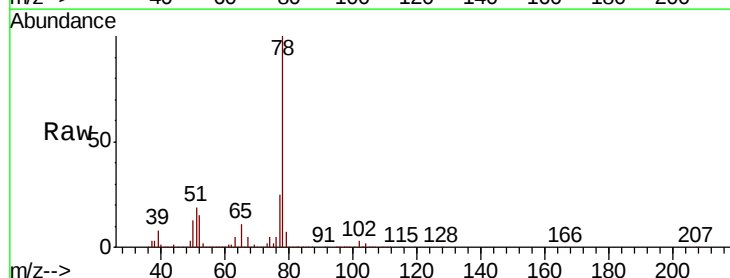
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

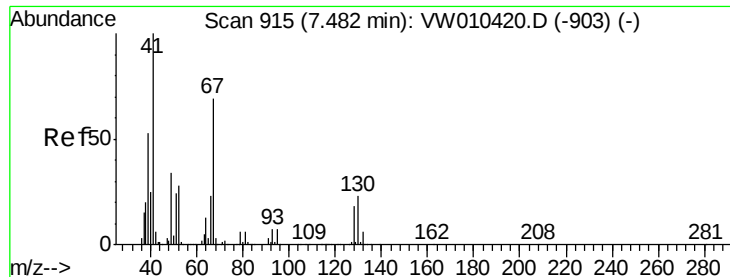
Tgt Ion: 83 Resp: 332440
Ion Ratio Lower Upper
83 100
55 69.6 55.7 83.5
98 51.5 40.2 60.4



#40
Benzene
Concen: 20.344 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion: 78 Resp: 714284
Ion Ratio Lower Upper
78 100
77 24.4 18.7 28.1





#41

Methacrylonitrile

Concen: 18.335 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

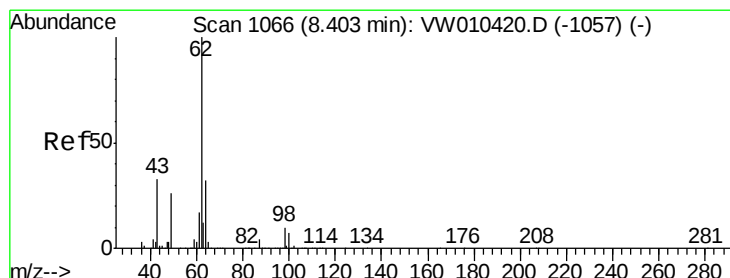
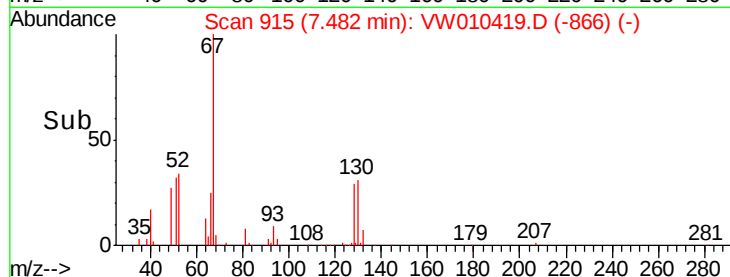
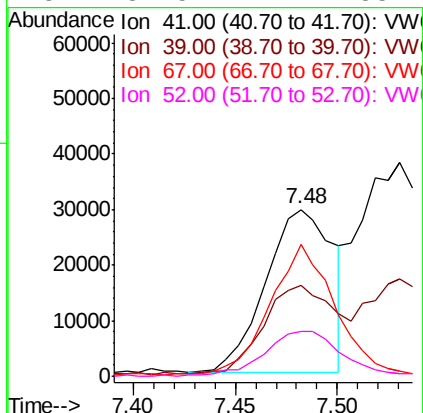
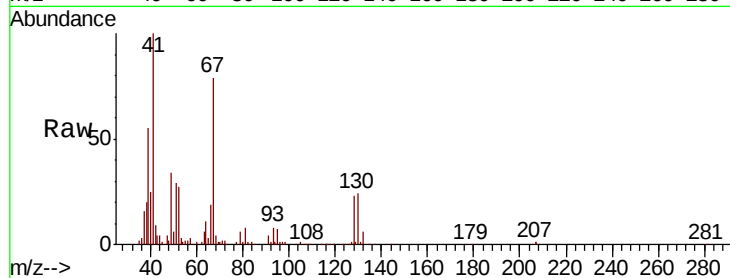
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:	41	Resp:	67423
Ion	Ratio	Lower	Upper
41	100		
39	59.9	38.1	57.1#
67	76.5	55.5	83.3
52	31.5	22.1	33.1



#42

1,2-Dichloroethane

Concen: 20.908 ug/l

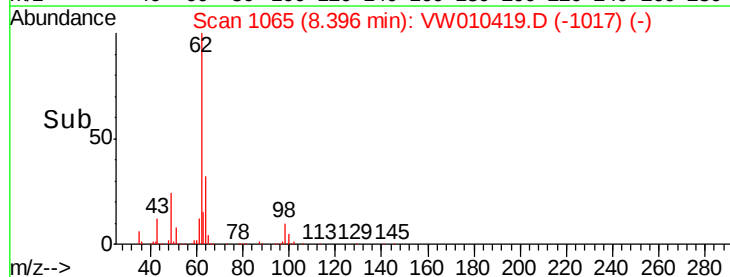
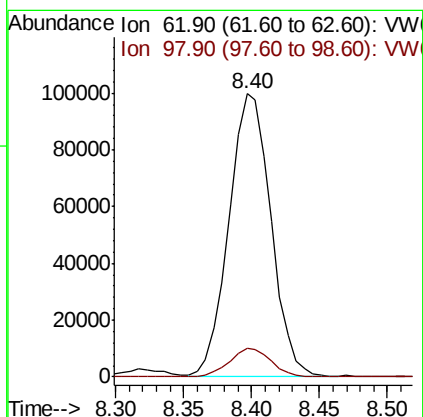
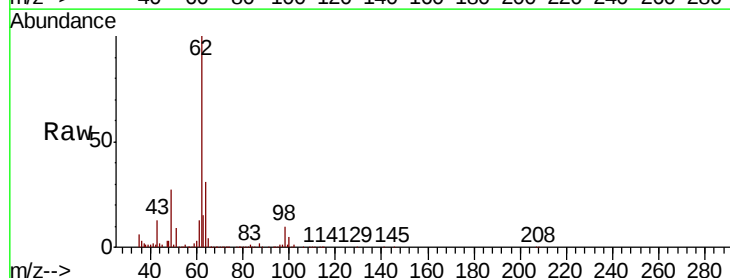
RT: 8.40 min Scan# 1065

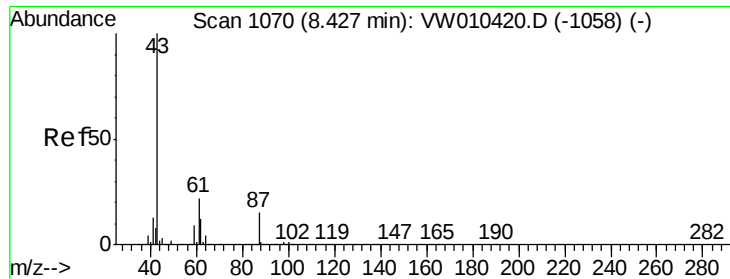
Delta R.T. -0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion:	62	Resp:	214061
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 18.996 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

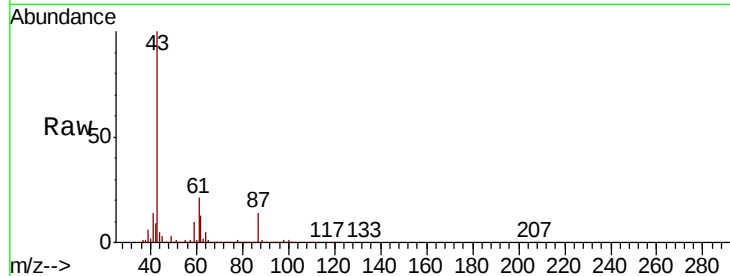
Tgt Ion: 43 Resp: 236854

Ion Ratio Lower Upper

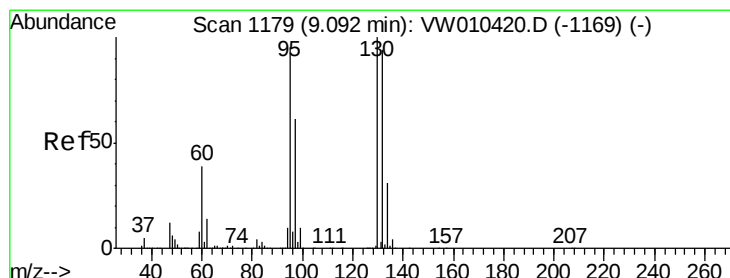
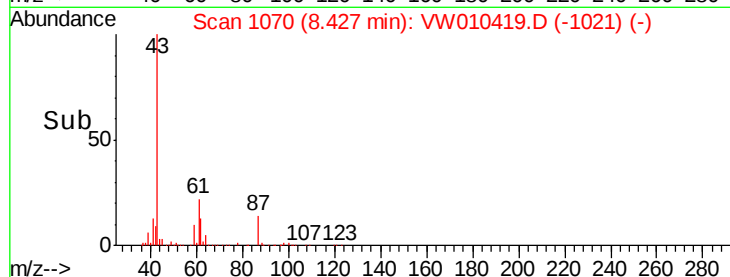
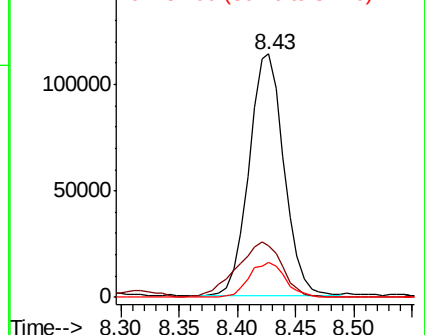
43 100

61 29.9 24.4 36.6

87 15.2 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: 20.027 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010419.D

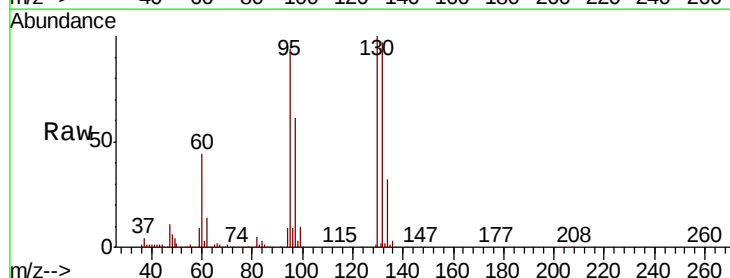
Acq: 17 May 2019 17:58

Tgt Ion: 130 Resp: 200821

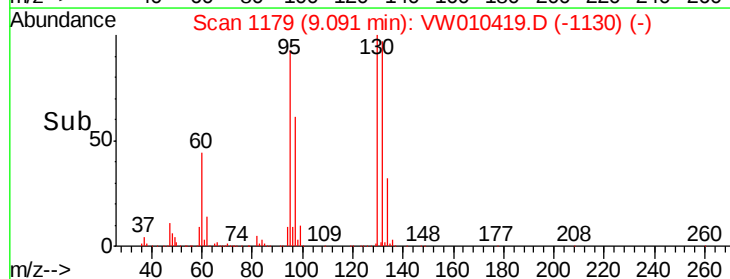
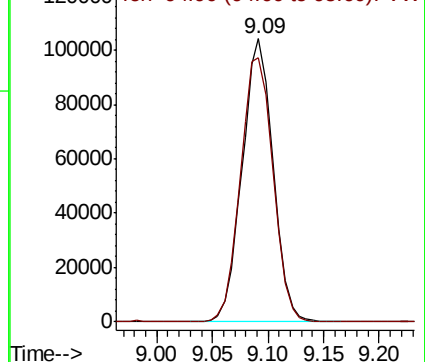
Ion Ratio Lower Upper

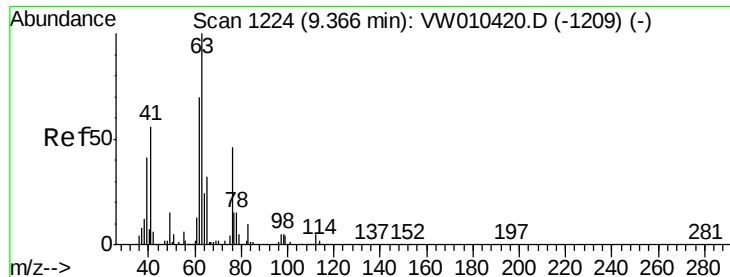
130 100

95 93.4 0.0 190.4



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

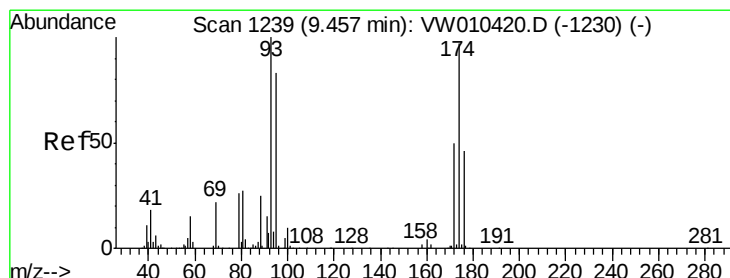
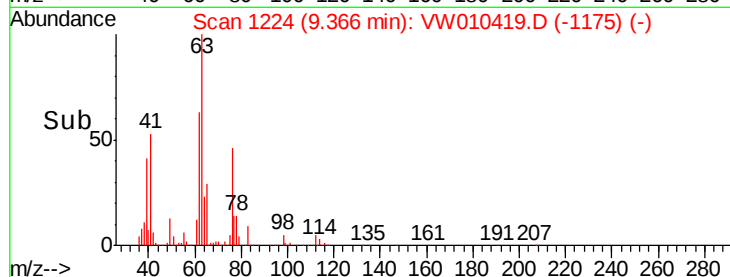
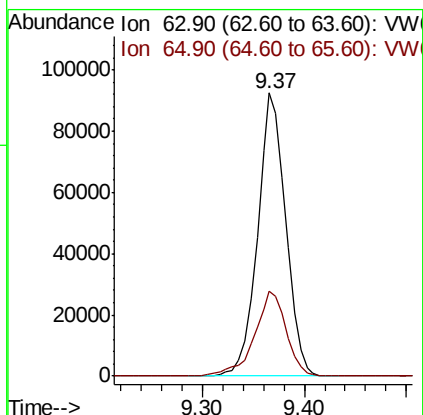
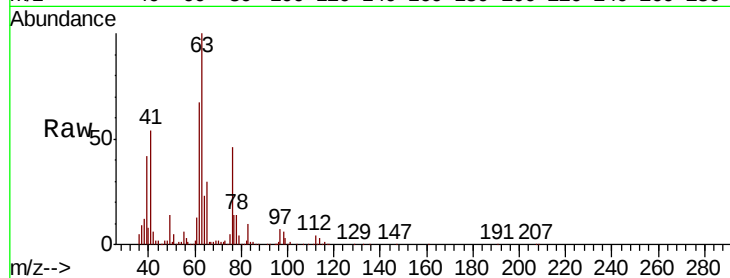




#45
 1,2-Dichloropropane
 Concen: 20.336 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

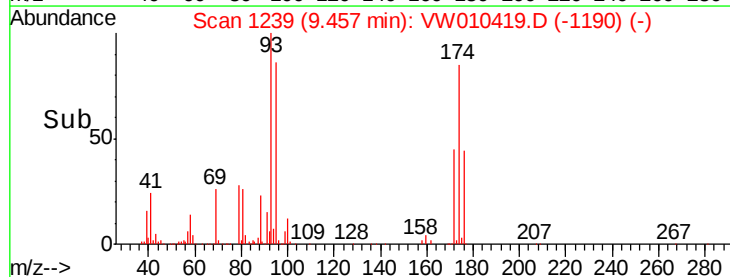
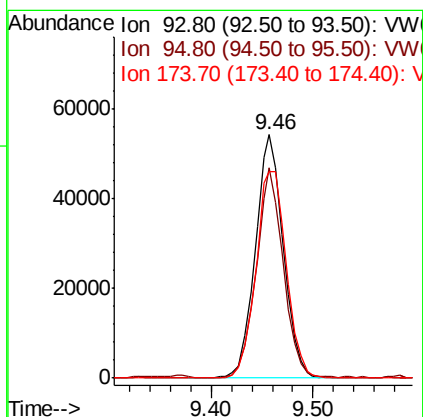
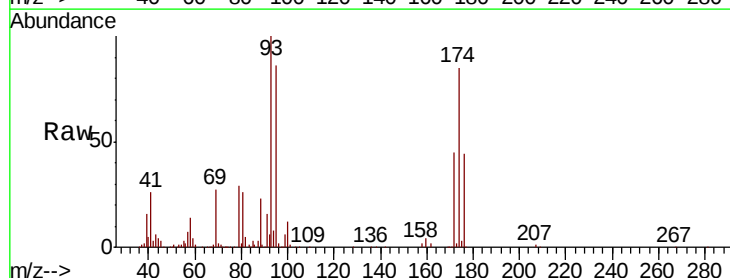
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

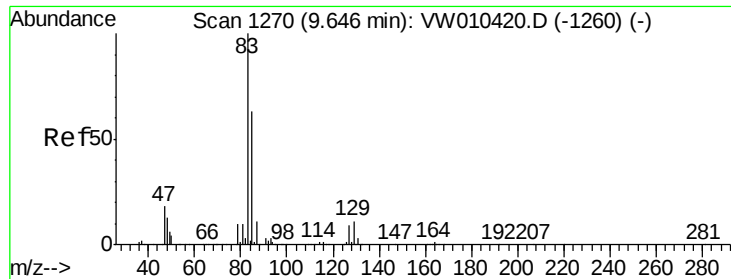
Tgt Ion: 63 Resp: 177146
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.4 38.2



#46
 Dibromomethane
 Concen: 20.503 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 93 Resp: 103993
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 92.0 76.4 114.6

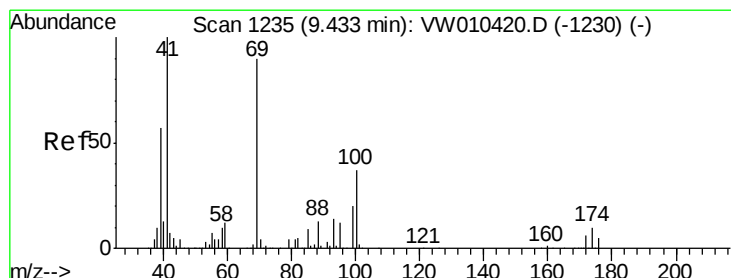
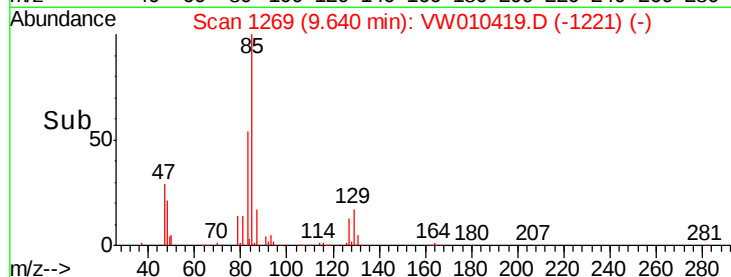
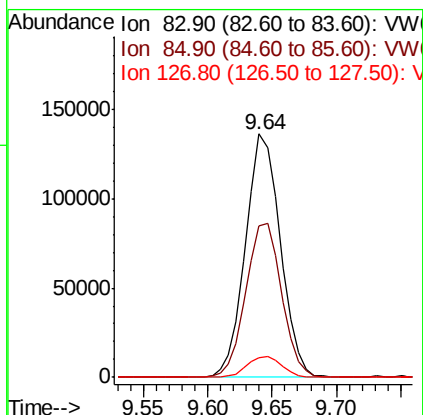
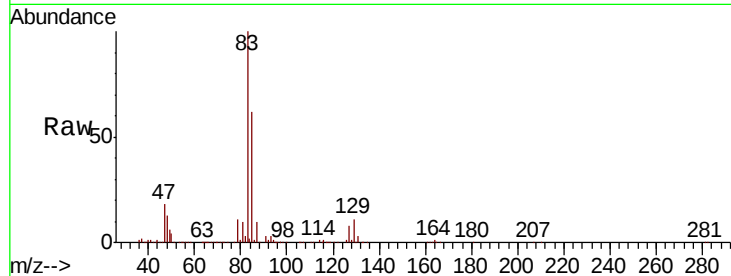




#47
 Bromodichloromethane
 Concen: 20.431 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

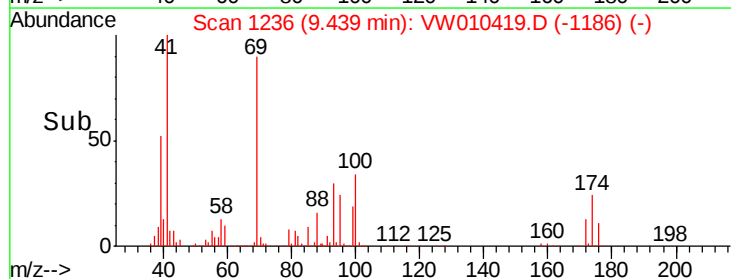
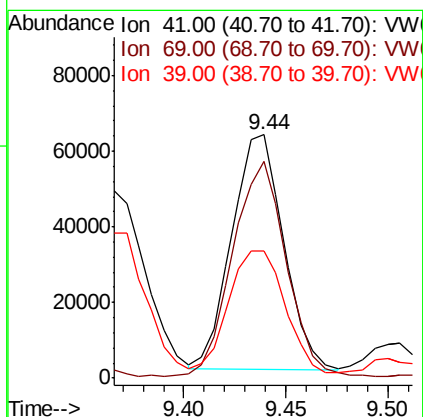
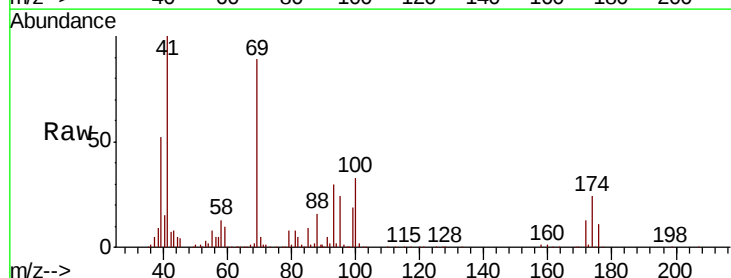
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

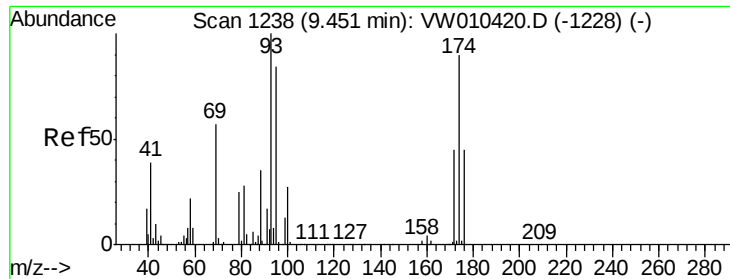
Tgt Ion: 83 Resp: 254134
 Ion Ratio Lower Upper
 83 100
 85 62.0 50.0 75.0
 127 8.1 7.3 10.9



#48
 Methyl methacrylate
 Concen: 19.189 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 41 Resp: 109972
 Ion Ratio Lower Upper
 41 100
 69 94.5 75.2 112.8
 39 59.9 46.8 70.2

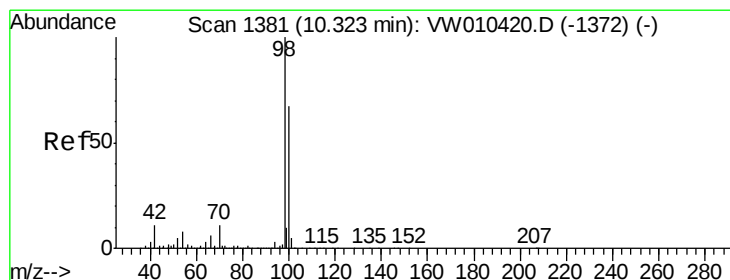
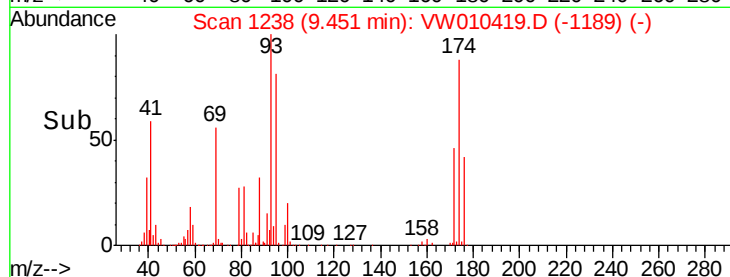
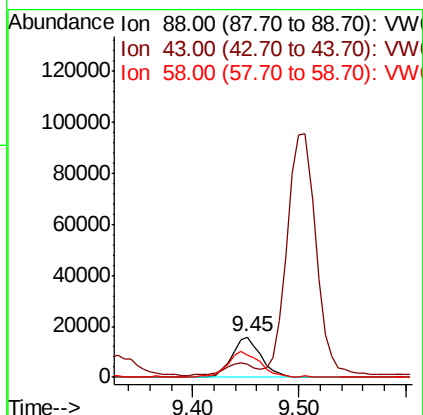
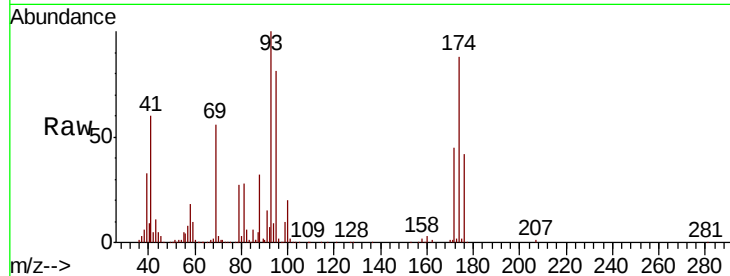




#49
 1,4-Dioxane
 Concen: 346.352 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

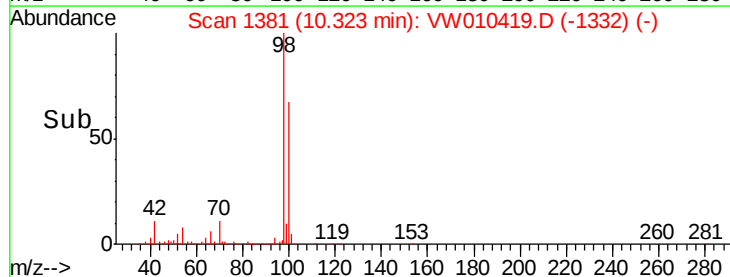
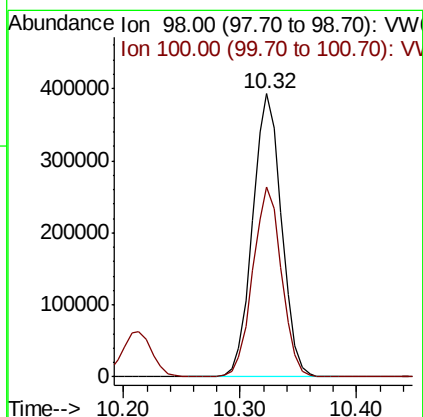
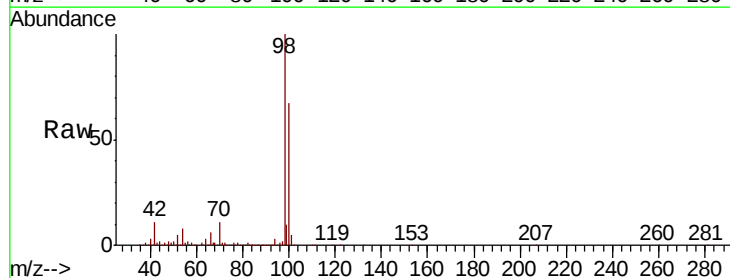
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

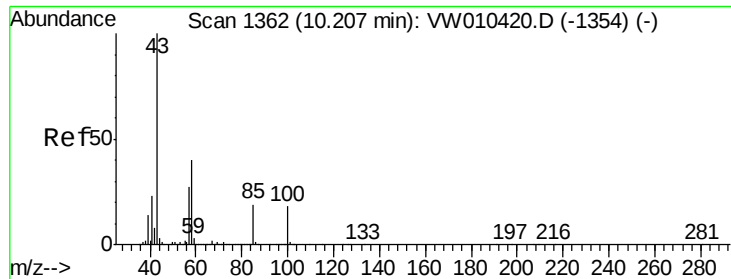
Tgt Ion: 88 Resp: 30704
 Ion Ratio Lower Upper
 88 100
 43 33.3 24.9 37.3
 58 72.4 55.0 82.6



#50
 Toluene-d8
 Concen: 21.504 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 98 Resp: 680139
 Ion Ratio Lower Upper
 98 100
 100 66.5 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 93.221 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

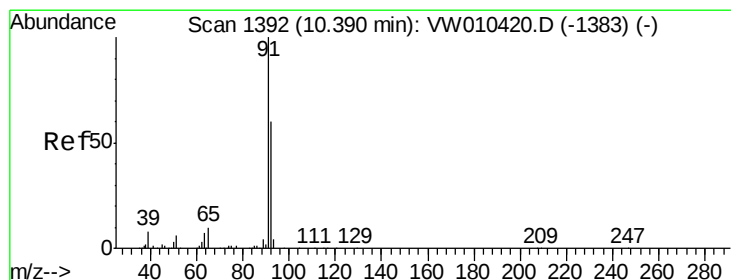
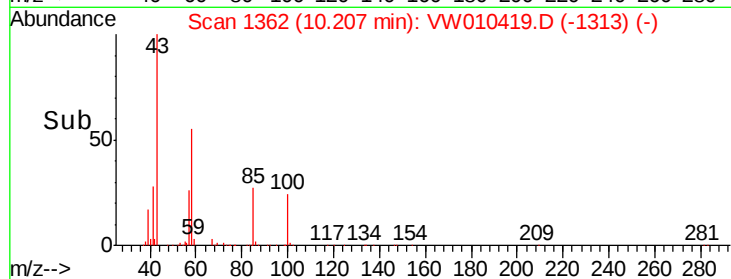
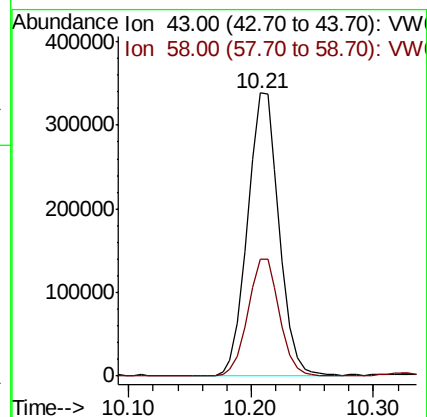
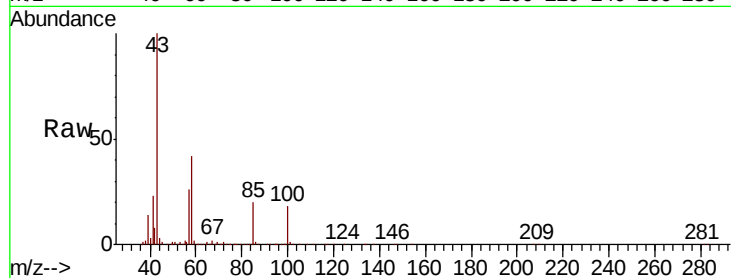
VSTDIC020

Tgt Ion: 43 Resp: 601747

Ion Ratio Lower Upper

43 100

58 41.7 32.7 49.1



#52

Toluene

Concen: 20.231 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010419.D

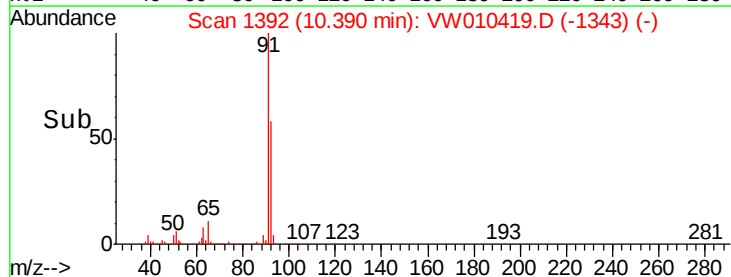
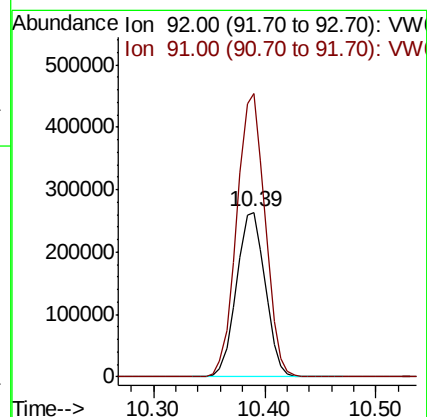
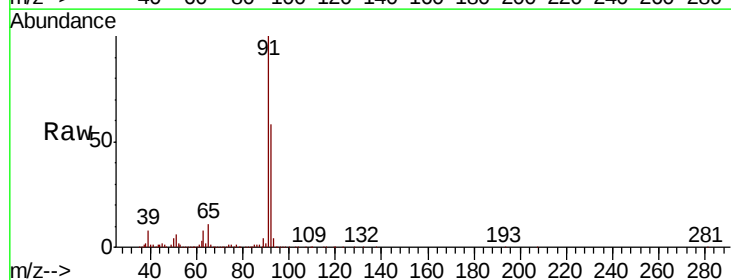
Acq: 17 May 2019 17:58

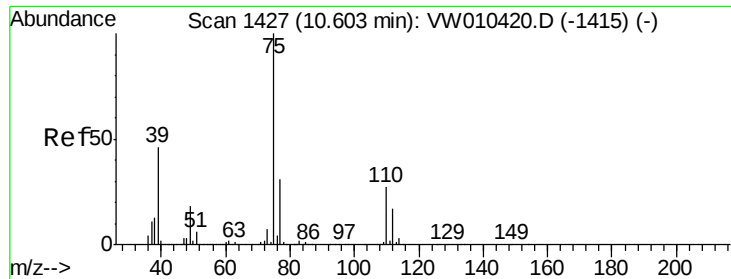
Tgt Ion: 92 Resp: 473393

Ion Ratio Lower Upper

92 100

91 169.0 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 20.030 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

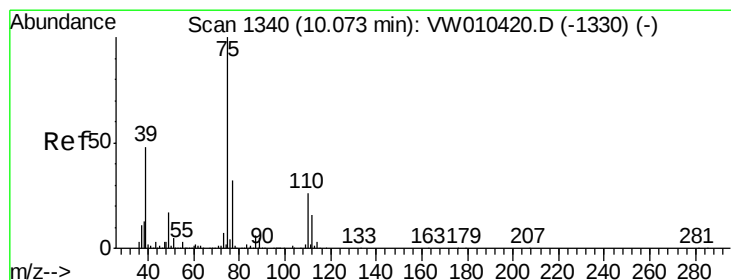
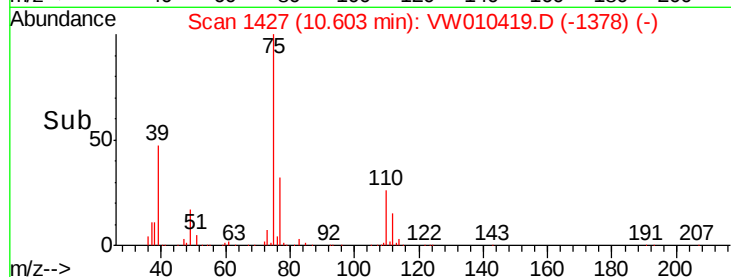
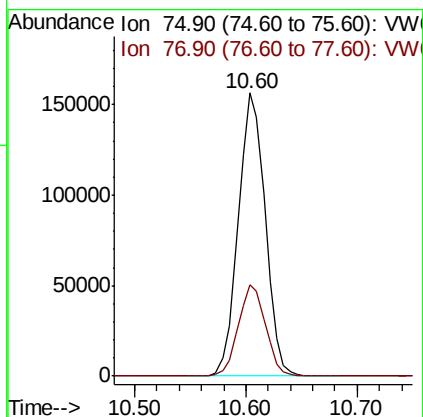
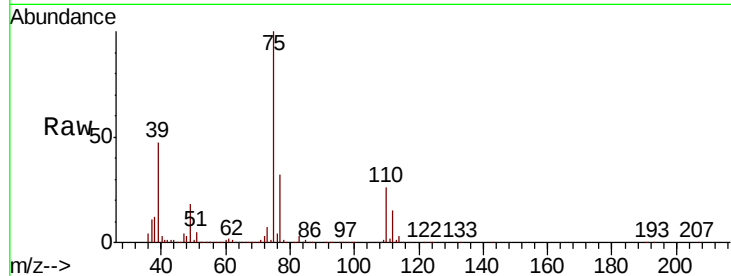
VSTDIC020

Tgt Ion: 75 Resp: 262439

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.089 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

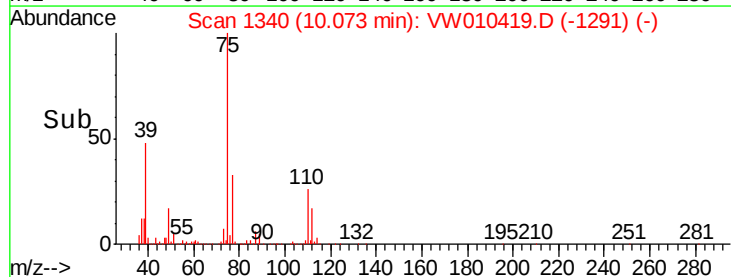
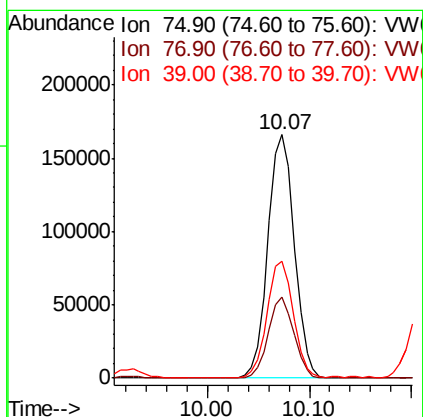
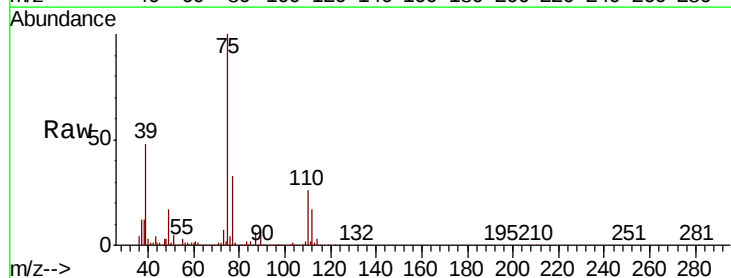
Tgt Ion: 75 Resp: 297570

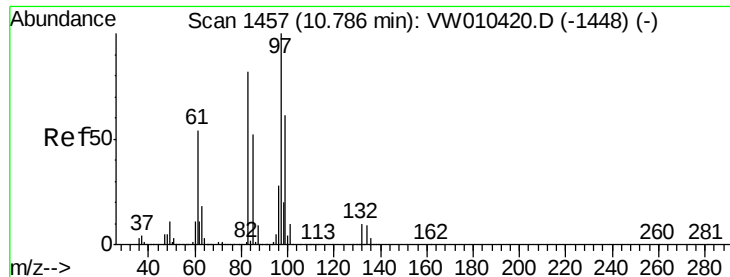
Ion Ratio Lower Upper

75 100

77 33.3 25.2 37.8

39 47.6 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 19.937 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 146221

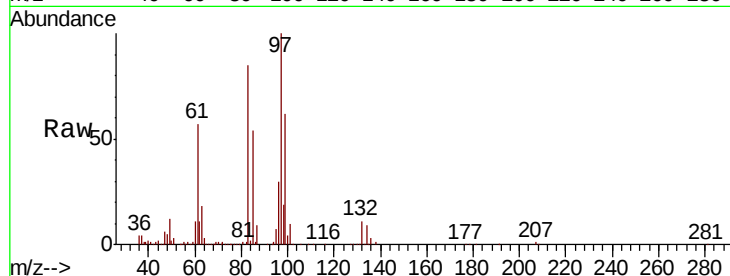
Ion Ratio Lower Upper

97 100

83 84.5 65.6 98.4

85 53.6 41.6 62.4

99 62.4 48.8 73.2

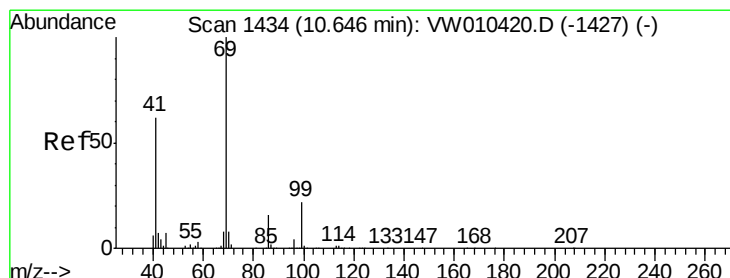
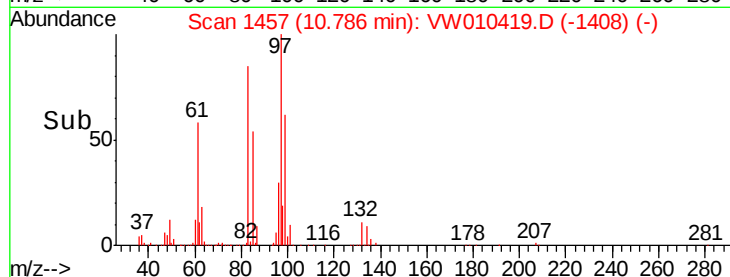
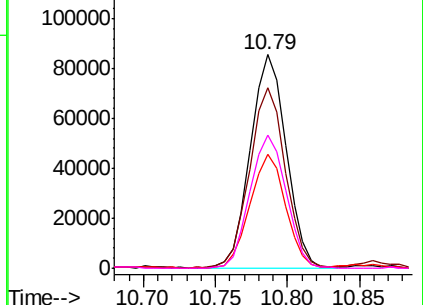


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 19.634 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

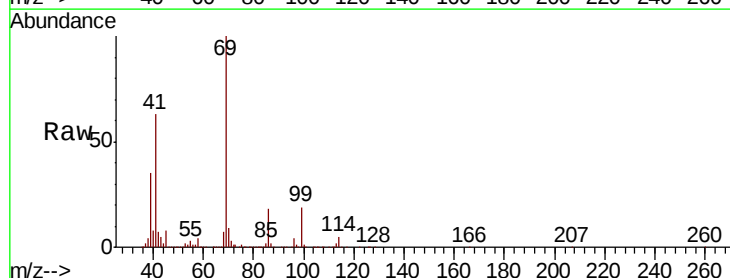
Tgt Ion: 69 Resp: 204470

Ion Ratio Lower Upper

69 100

41 60.9 50.0 75.0

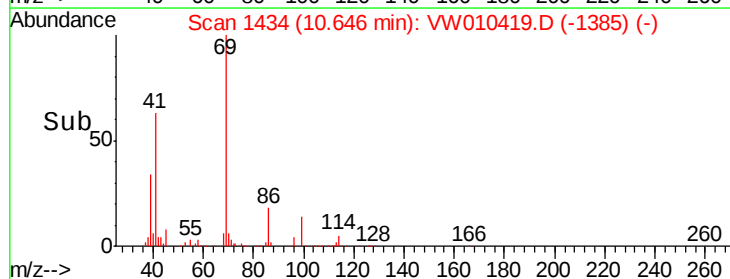
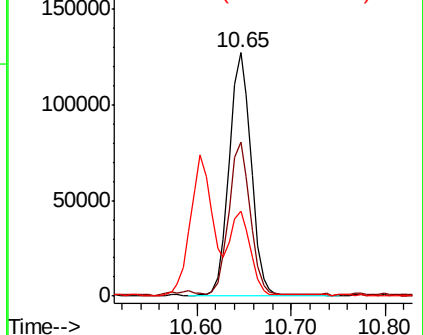
39 32.8 26.5 39.7

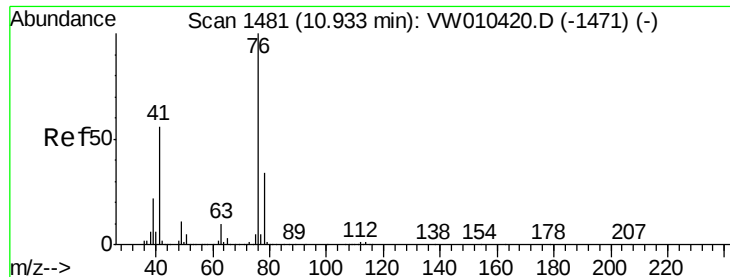


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

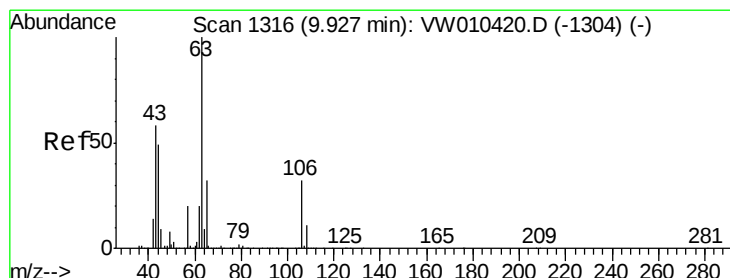
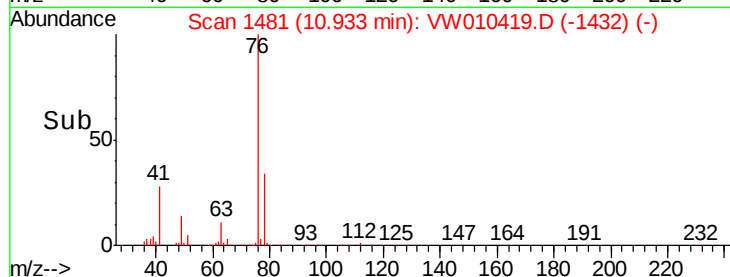
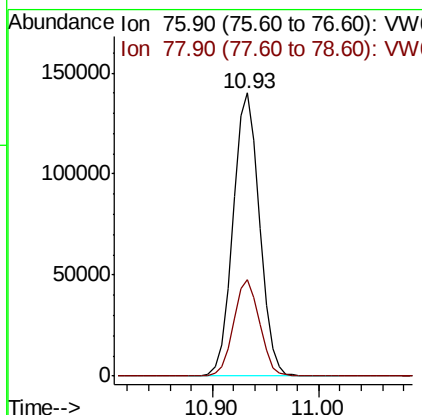
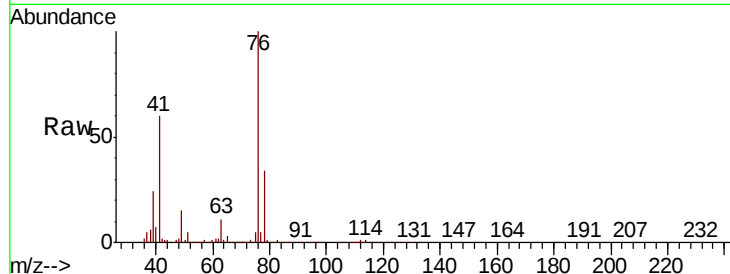




#57
 1,3-Dichloropropane
 Concen: 19.910 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

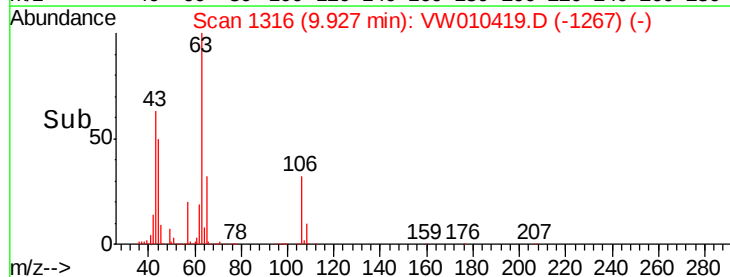
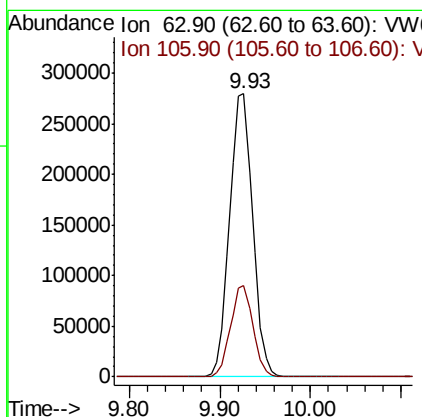
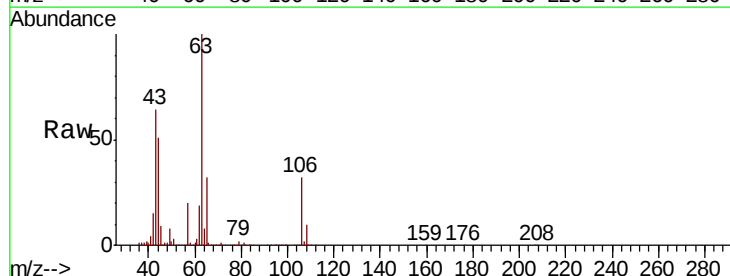
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

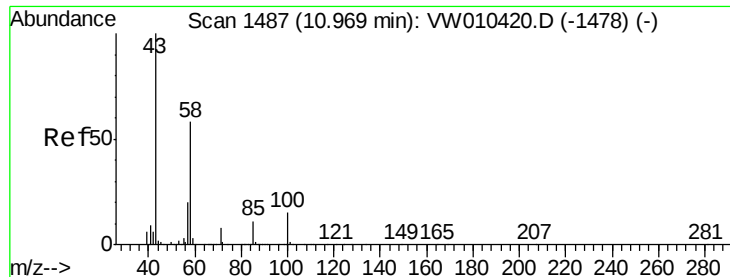
Tgt Ion: 76 Resp: 244250
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.595 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 63 Resp: 495691
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.2 37.8

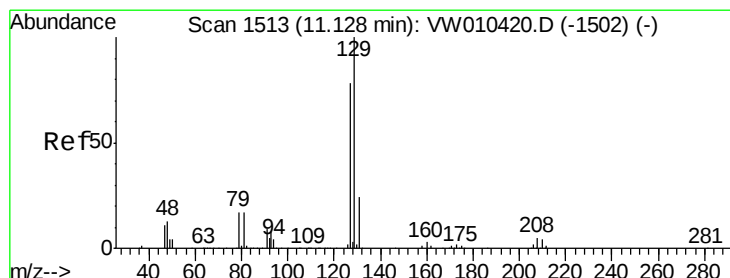
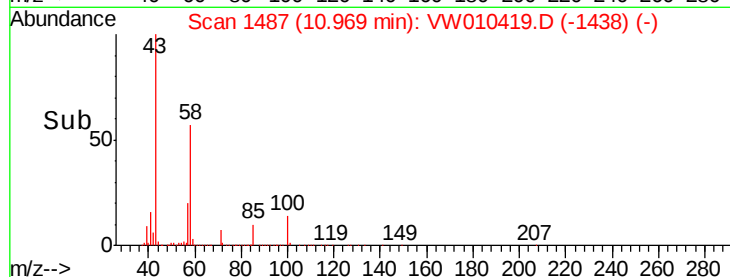
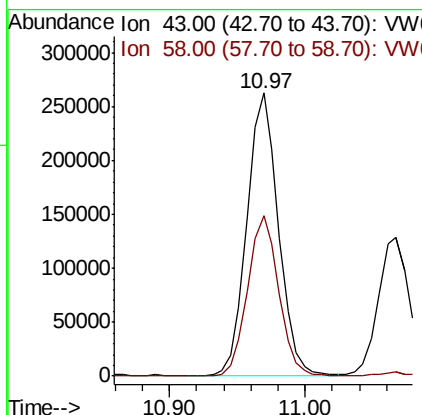
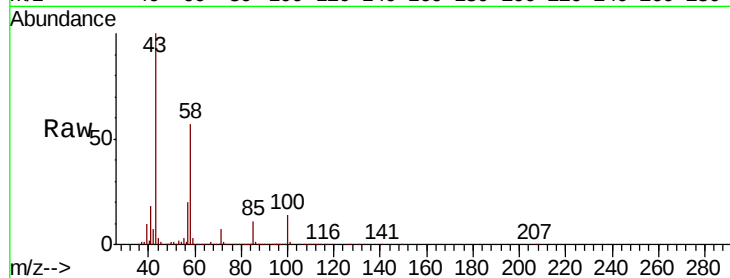




#59
2-Hexanone
Concen: 93.147 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

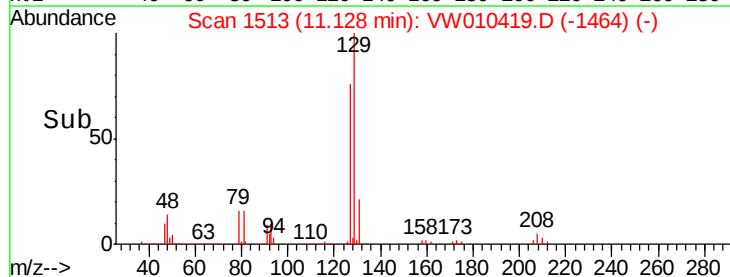
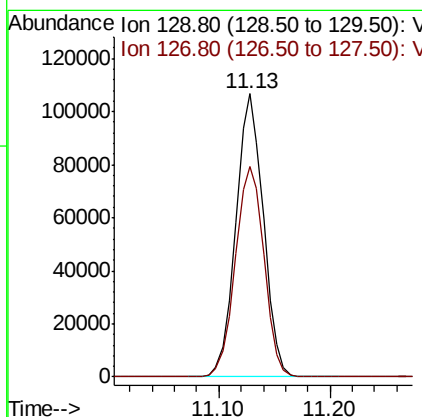
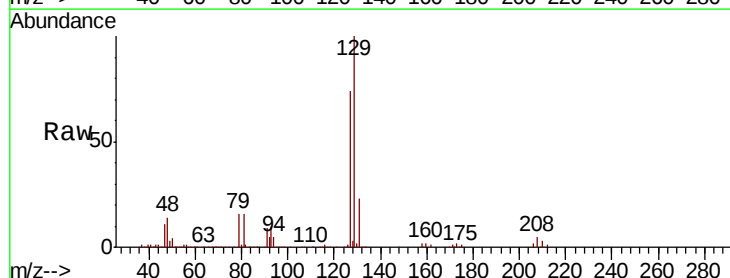
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

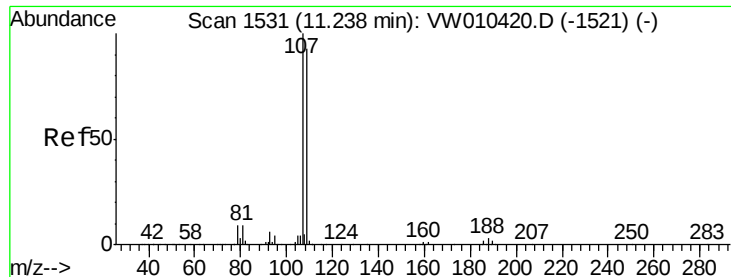
Tgt Ion: 43 Resp: 424102
Ion Ratio Lower Upper
43 100
58 56.6 28.5 85.6



#60
Dibromochloromethane
Concen: 19.826 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion: 129 Resp: 181630
Ion Ratio Lower Upper
129 100
127 77.4 39.0 116.9

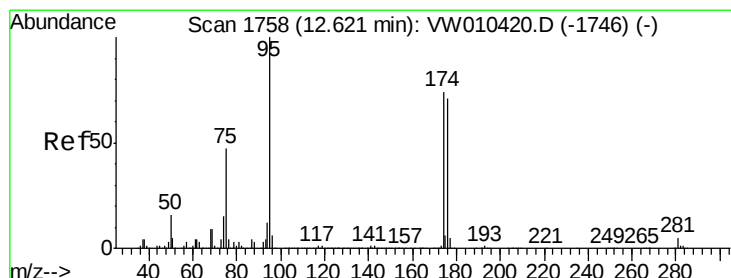
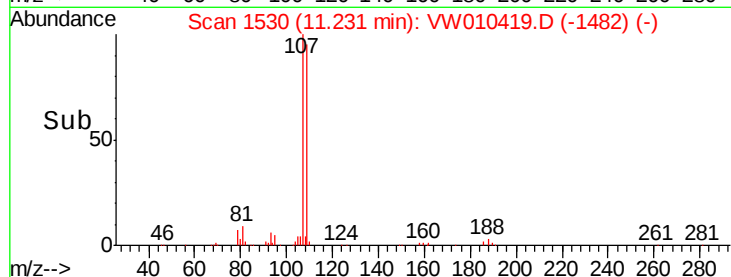
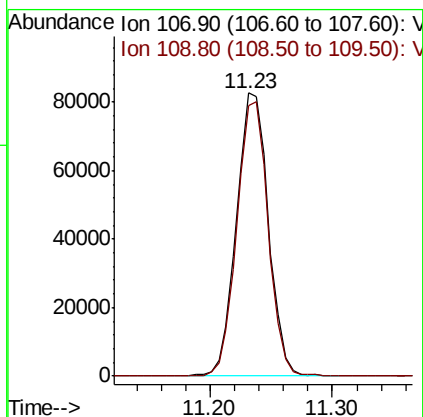
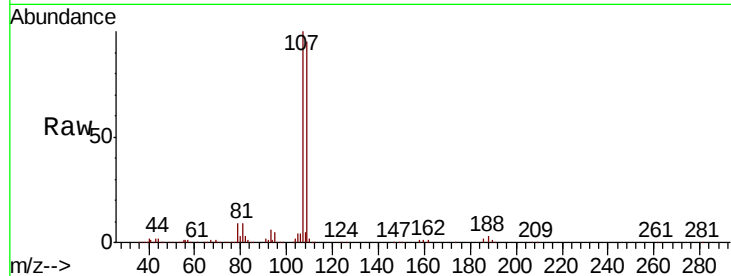




#61
 1,2-Dibromoethane
 Concen: 20.183 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

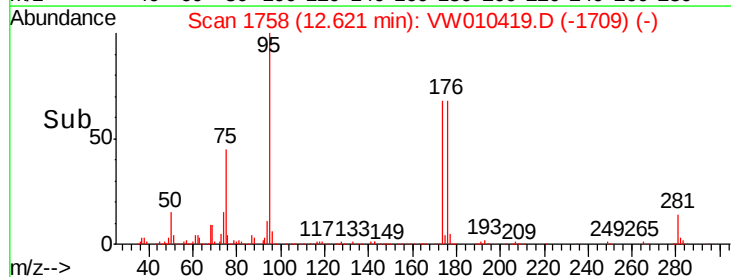
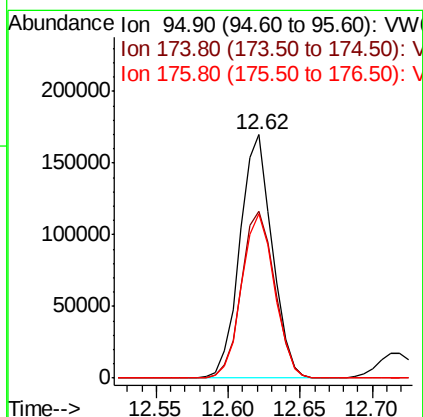
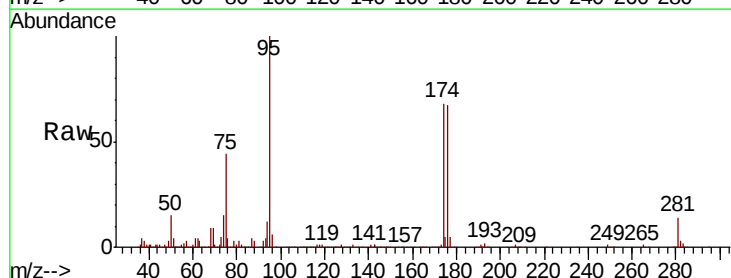
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

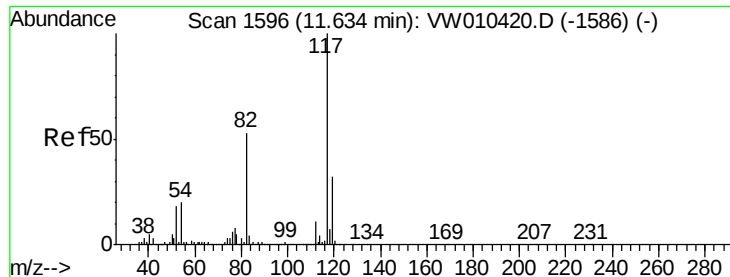
Tgt Ion: 107 Resp: 149376
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 21.118 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion: 95 Resp: 262728
 Ion Ratio Lower Upper
 95 100
 174 71.1 0.0 146.6
 176 69.0 0.0 141.4

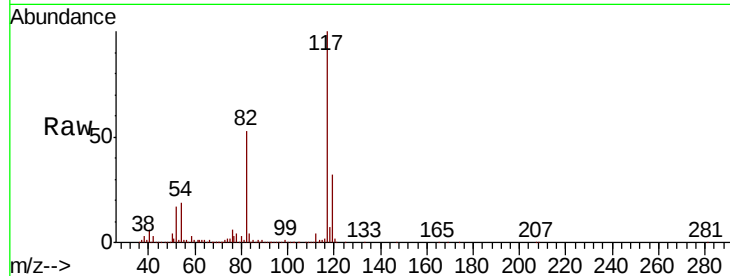




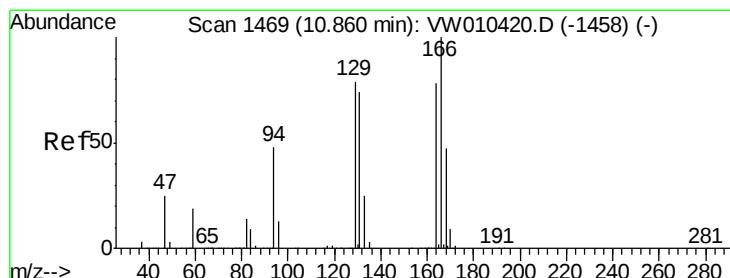
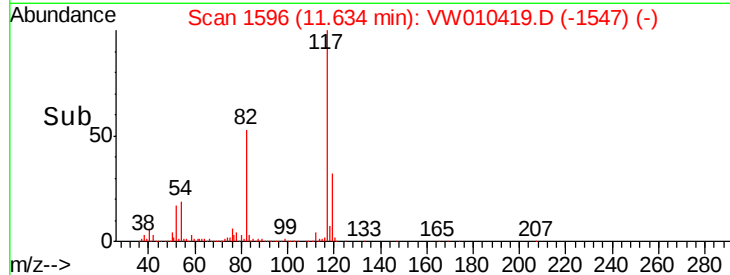
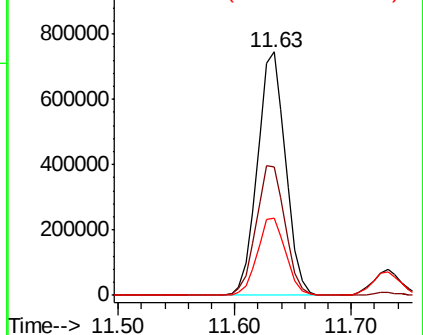
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1253229
Ion Ratio Lower Upper
117 100
82 52.7 42.1 63.1
119 31.8 25.6 38.4

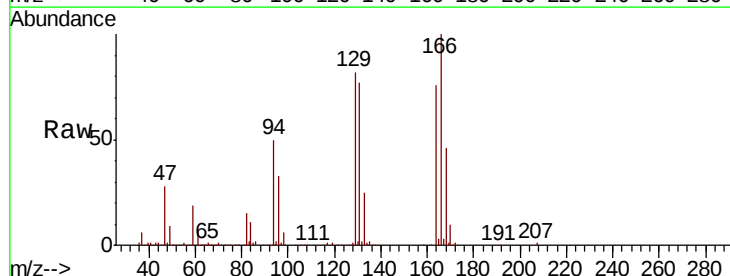


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

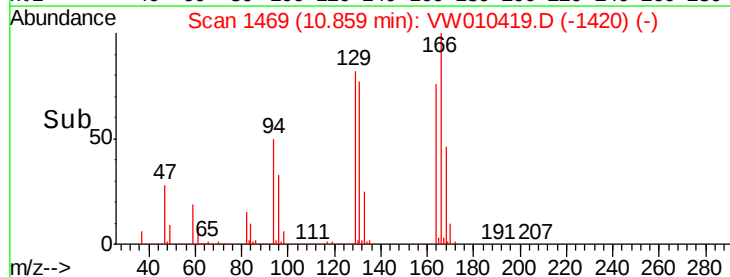
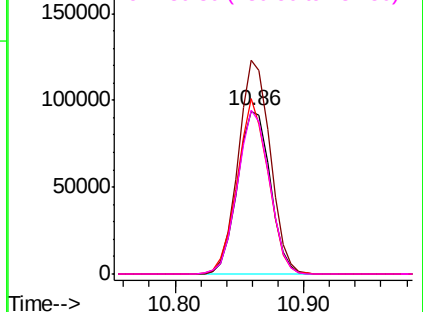


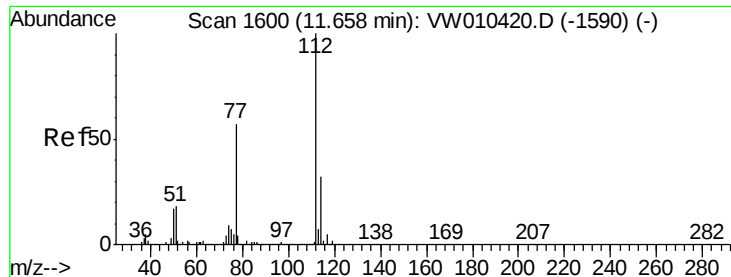
#64
Tetrachloroethene
Concen: 19.856 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion:164 Resp: 164487
Ion Ratio Lower Upper
164 100
166 131.4 103.2 154.8
129 107.6 81.6 122.4
131 100.7 76.5 114.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

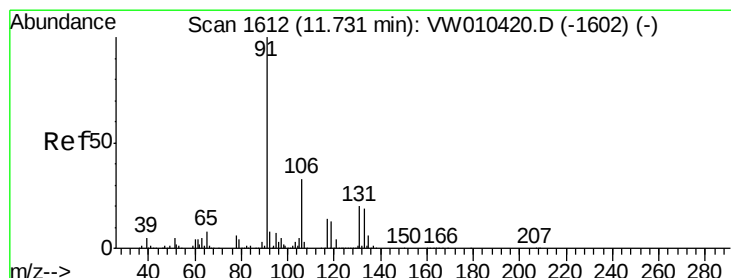
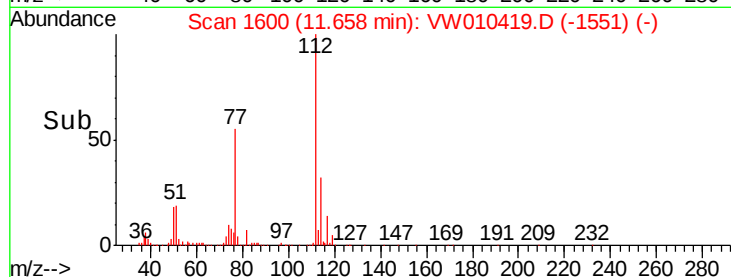
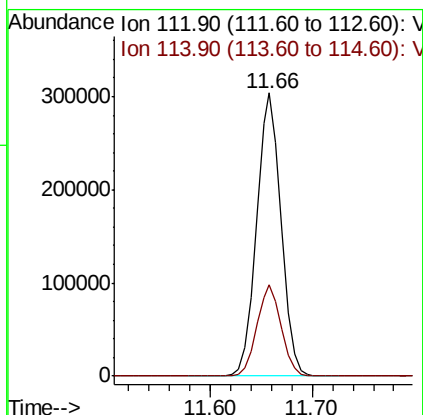
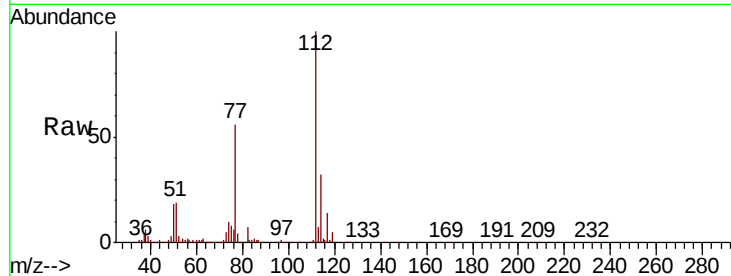




#65
Chlorobenzene
Concen: 20.427 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

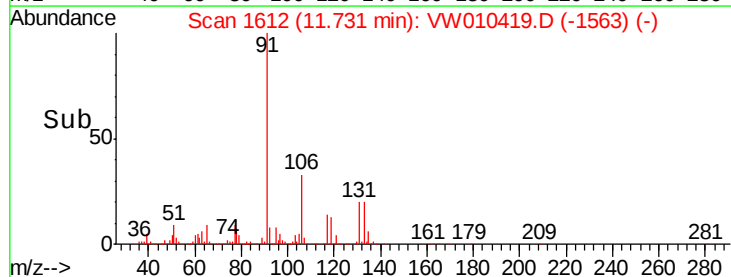
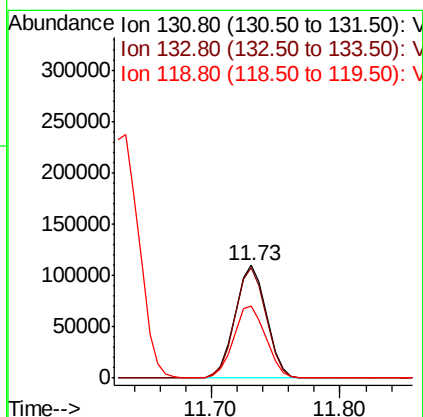
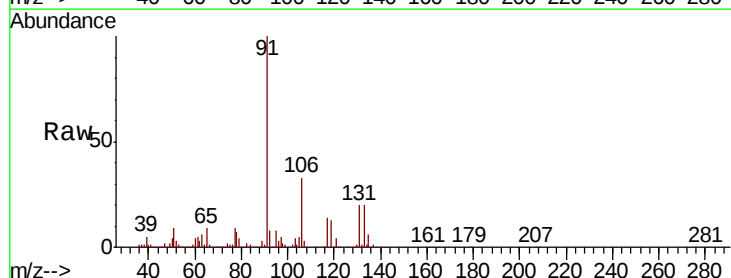
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

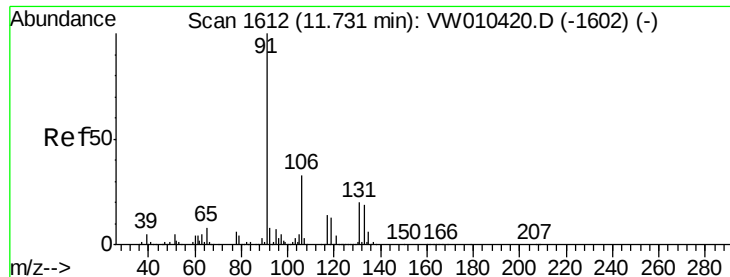
Tgt Ion:112 Resp: 507962
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.200 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion:131 Resp: 186014
Ion Ratio Lower Upper
131 100
133 97.1 48.3 144.8
119 65.4 32.4 97.0

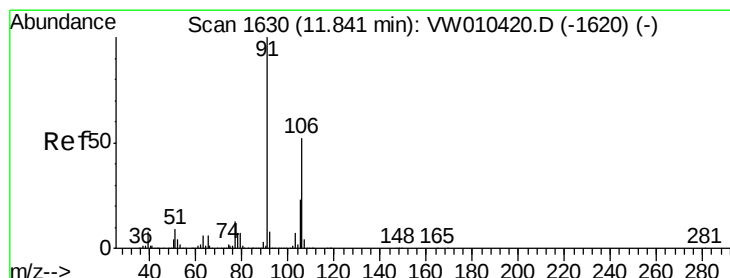
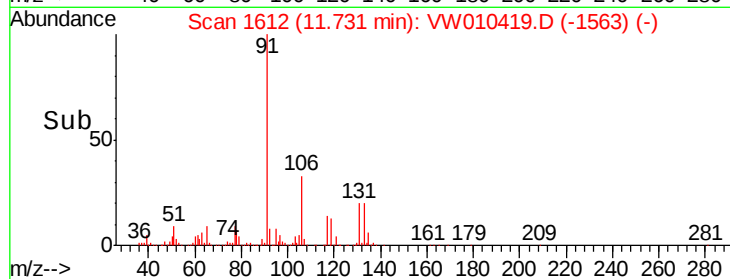
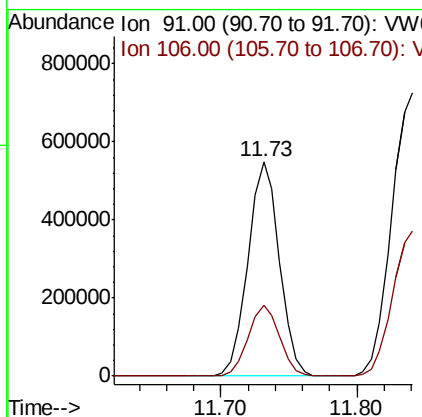
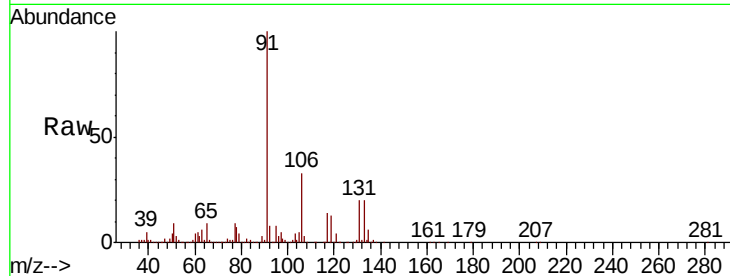




#67
Ethyl Benzene
Concen: 20.064 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

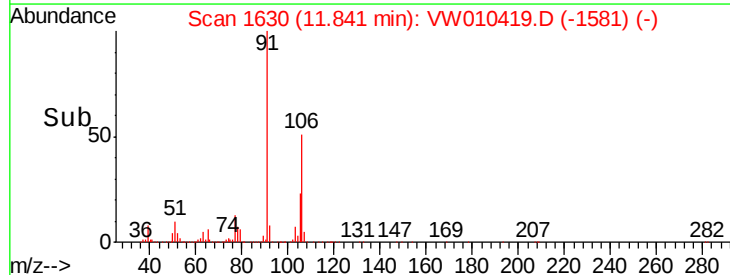
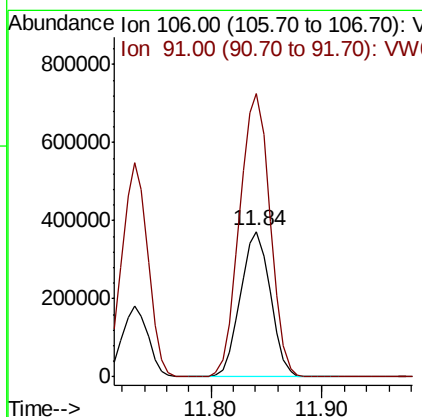
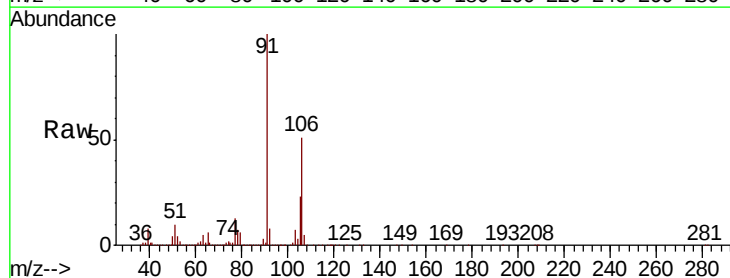
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

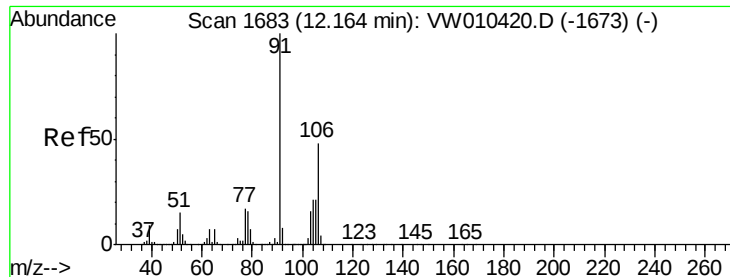
Tgt Ion: 91 Resp: 886067
Ion Ratio Lower Upper
91 100
106 33.1 26.5 39.7



#68
m/p-Xylenes
Concen: 40.299 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion: 106 Resp: 696359
Ion Ratio Lower Upper
106 100
91 198.3 156.2 234.2

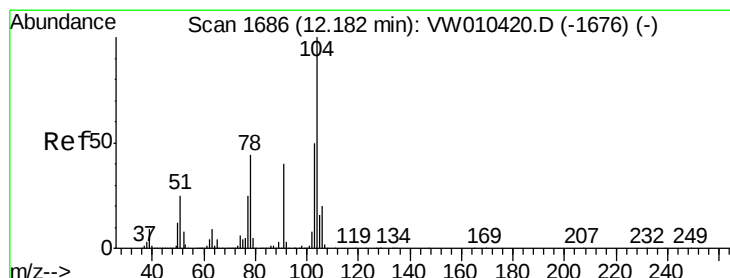
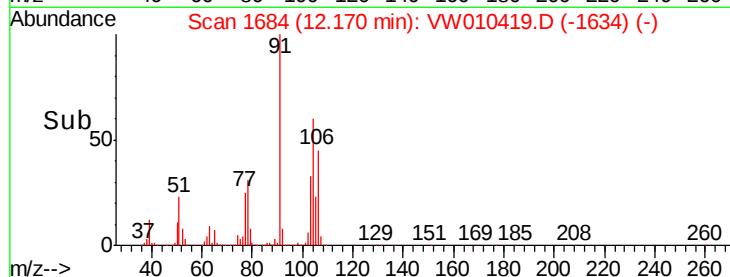
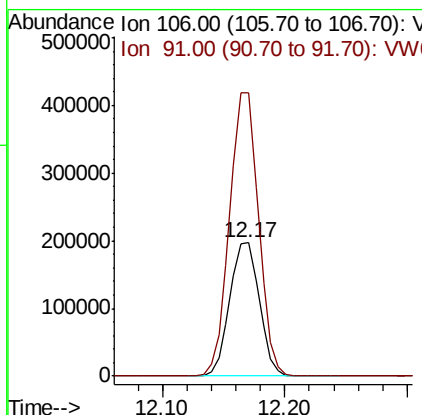
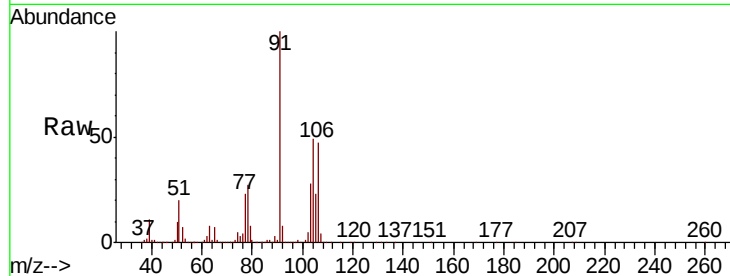




#69
o-Xylene
Concen: 19.805 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

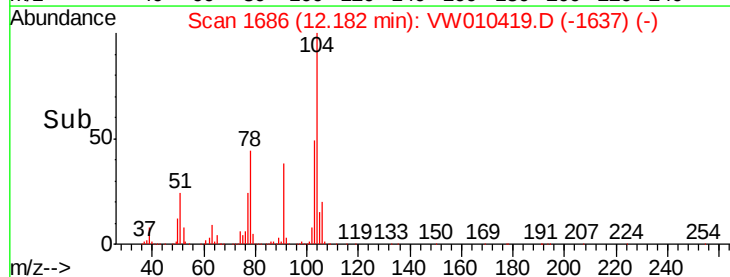
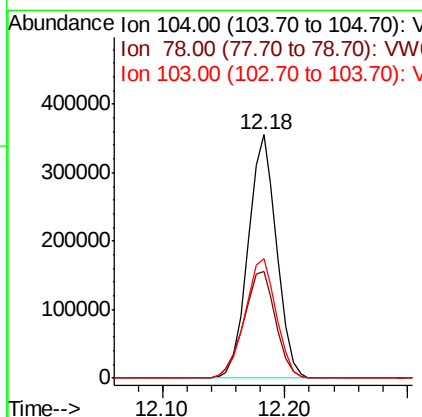
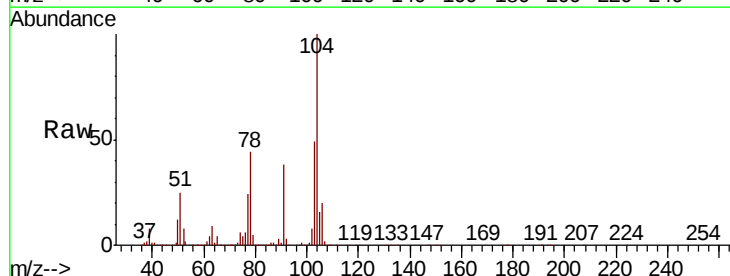
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

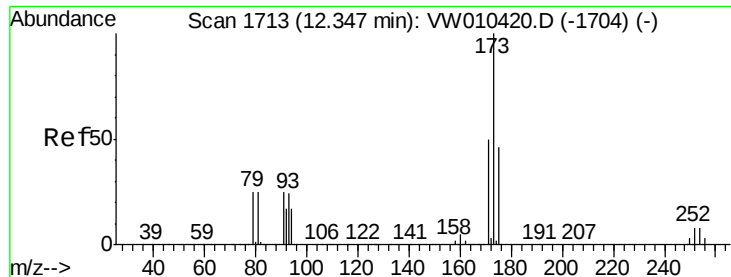
Tgt Ion:106 Resp: 329845
Ion Ratio Lower Upper
106 100
91 208.0 102.5 307.5



#70
Styrene
Concen: 19.803 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010419.D
Acq: 17 May 2019 17:58

Tgt Ion:104 Resp: 573312
Ion Ratio Lower Upper
104 100
78 49.2 39.4 59.0
103 54.0 43.4 65.0





#71

Bromoform

Concen: 19.074 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

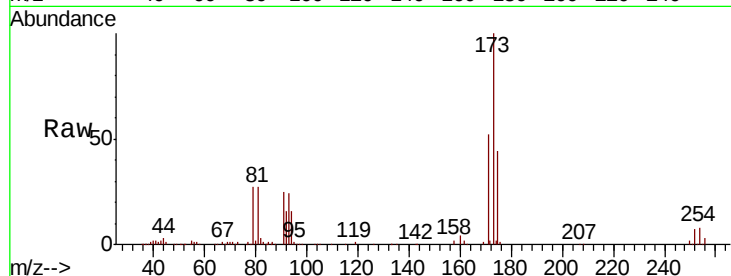
Tgt Ion:173 Resp: 101850

Ion Ratio Lower Upper

173 100

175 47.7 23.8 71.2

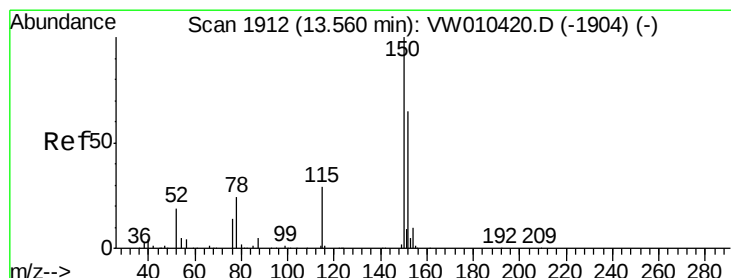
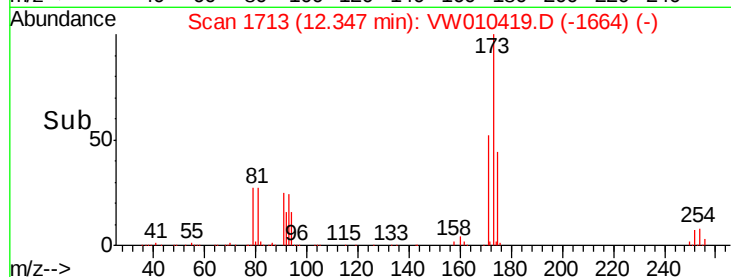
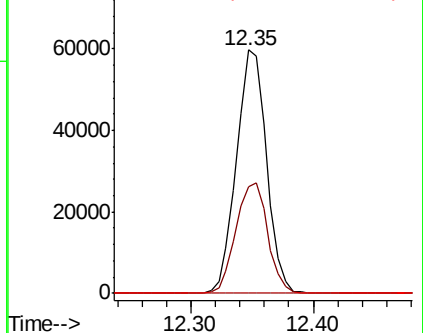
254 0.1 0.2 0.2#



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: VW010419.D

Acq: 17 May 2019 17:58

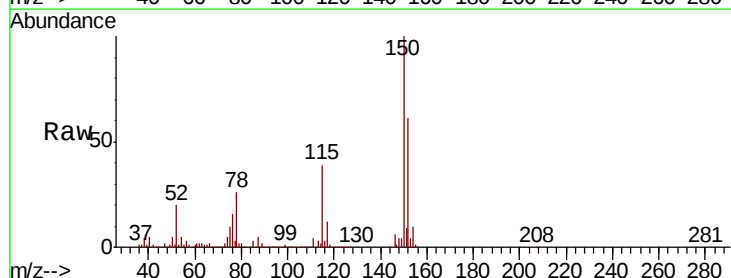
Tgt Ion:152 Resp: 582448

Ion Ratio Lower Upper

152 100

115 62.5 30.0 90.1

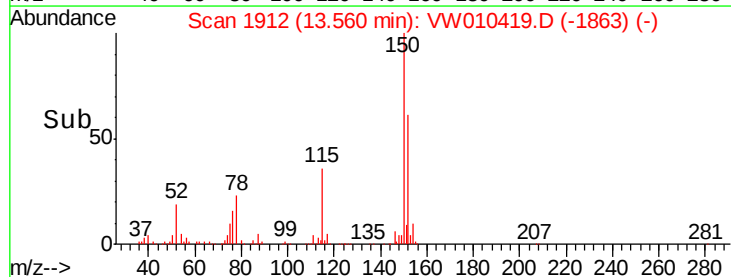
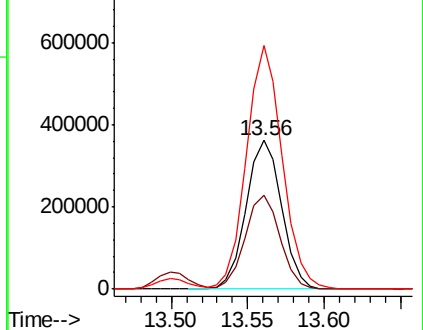
150 165.4 0.0 350.2

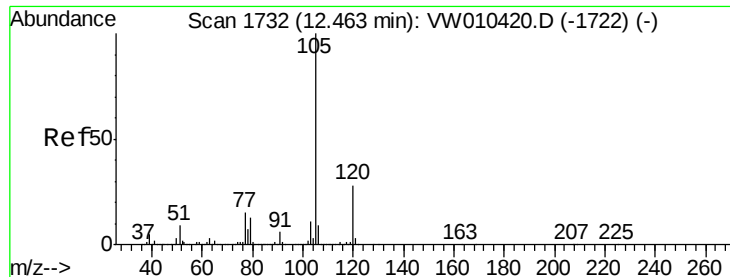


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.095 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

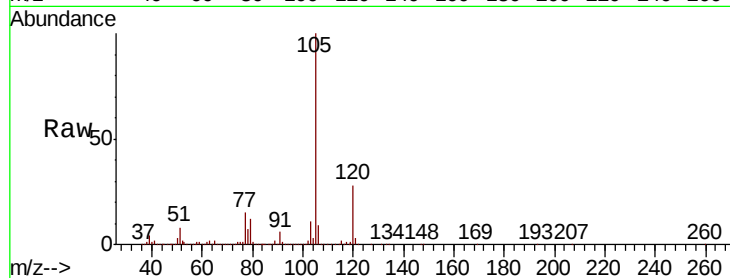
VSTDIC020

Tgt Ion:105 Resp: 896368

Ion Ratio Lower Upper

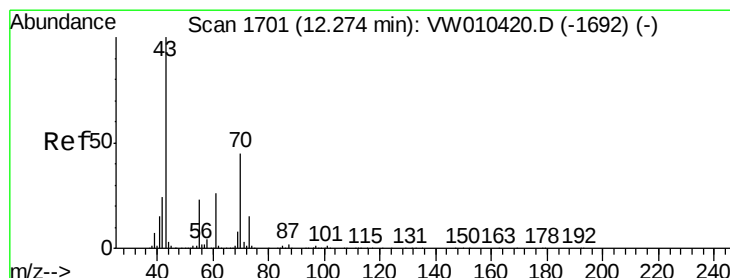
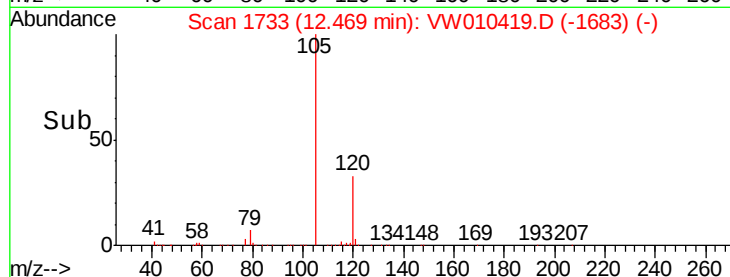
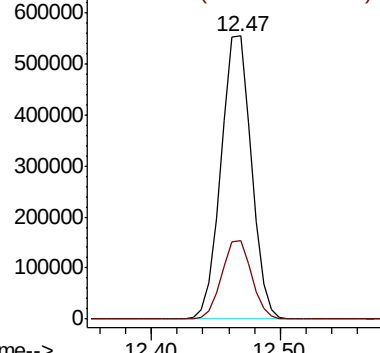
105 100

120 27.4 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.827 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Tgt Ion: 43 Resp: 221507

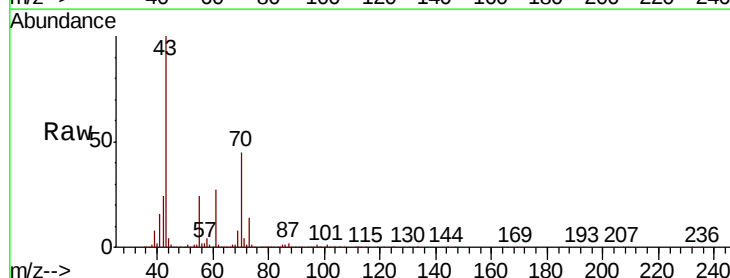
Ion Ratio Lower Upper

43 100

70 45.4 36.4 54.6

55 24.1 19.0 28.6

61 26.3 20.6 31.0

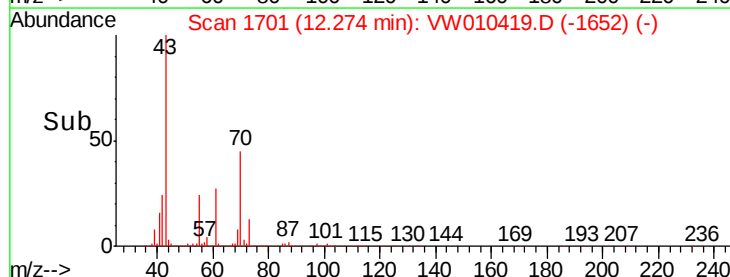
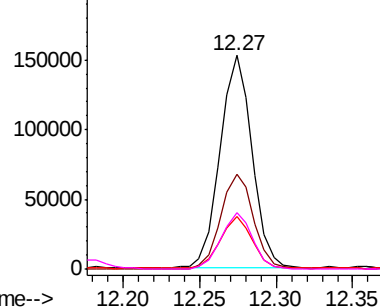


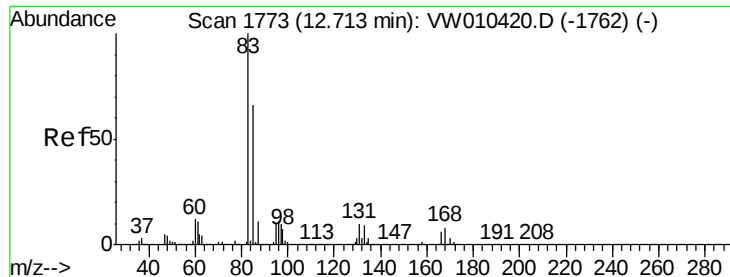
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.925 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

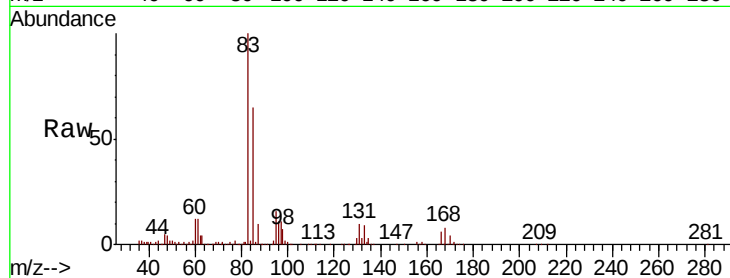
Tgt Ion: 83 Resp: 174744

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

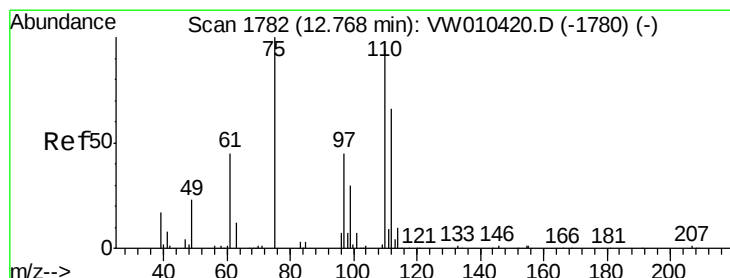
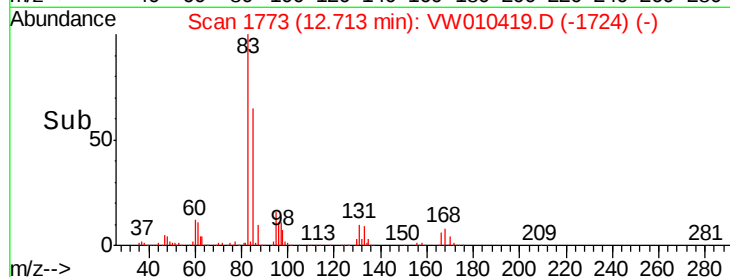
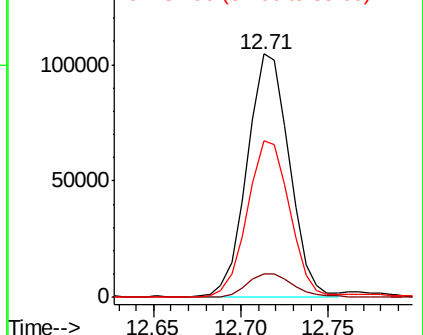
85 65.0 32.3 96.9



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: 35.450 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010419.D

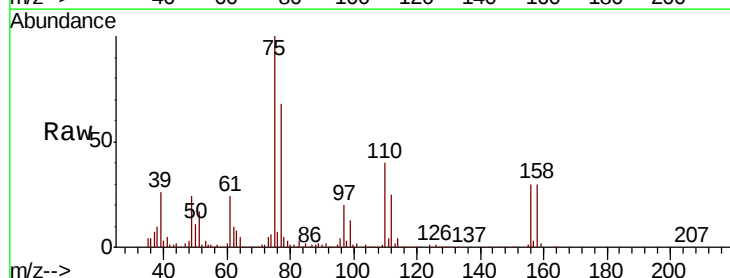
Acq: 17 May 2019 17:58

Tgt Ion: 75 Resp: 224674

Ion Ratio Lower Upper

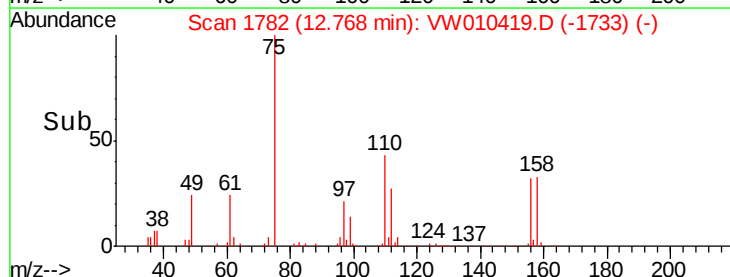
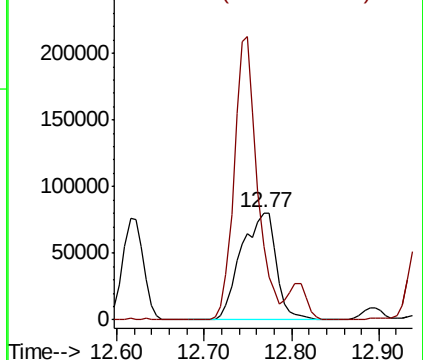
75 100

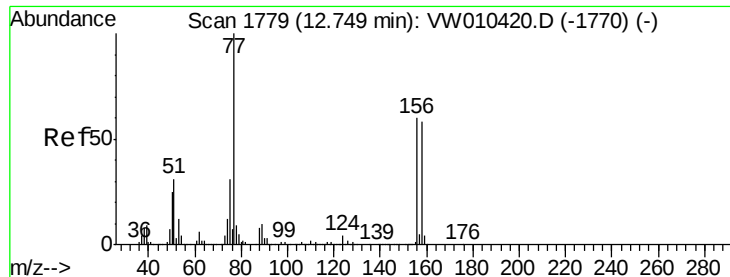
77 174.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.085 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

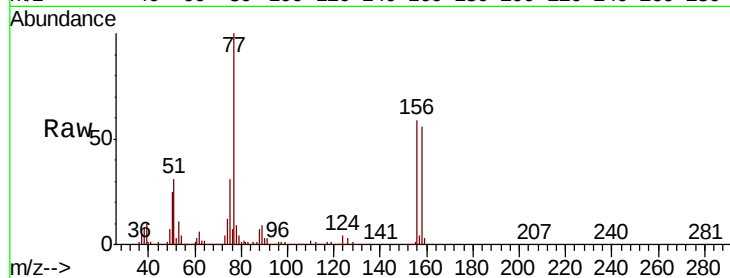
Tgt Ion: 156 Resp: 206719

Ion Ratio Lower Upper

156 100

77 190.1 95.7 286.9

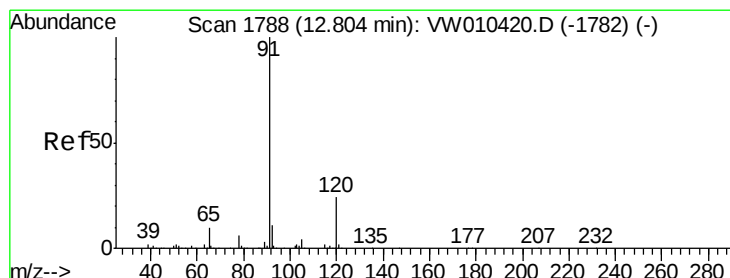
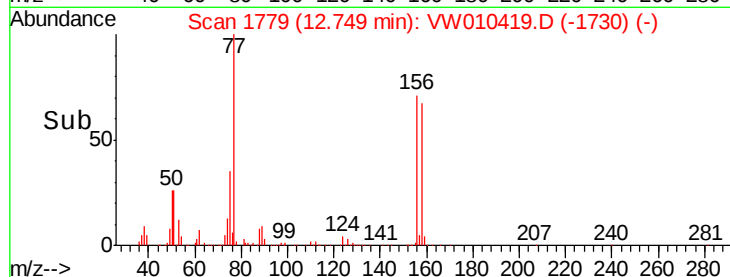
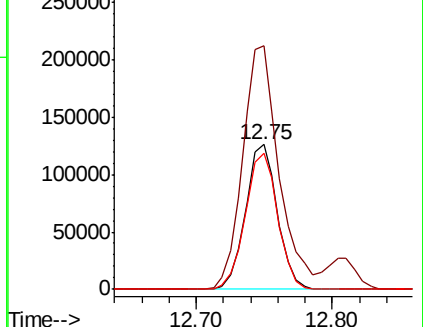
158 95.6 48.9 146.7



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: 20.909 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010419.D

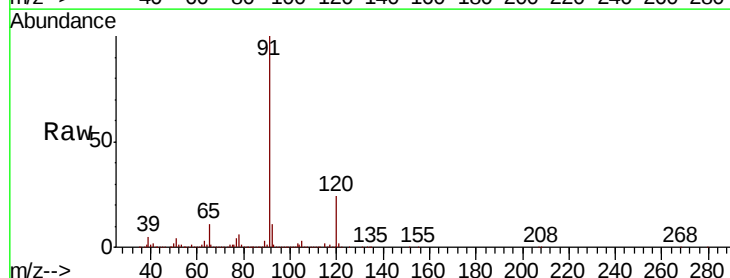
Acq: 17 May 2019 17:58

Tgt Ion: 91 Resp: 1038982

Ion Ratio Lower Upper

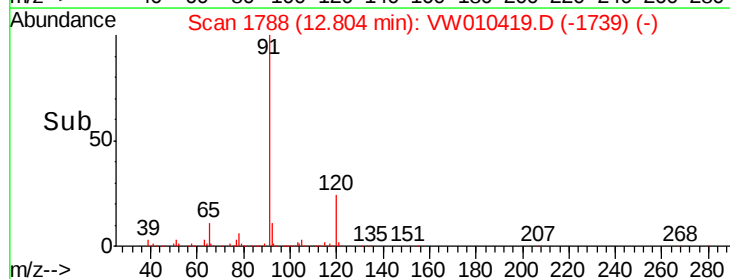
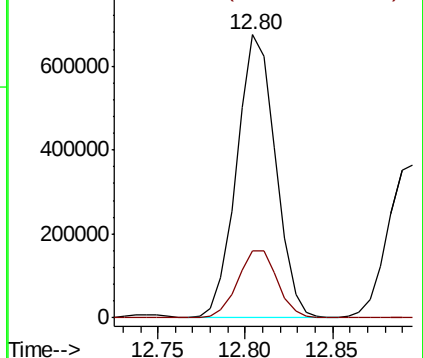
91 100

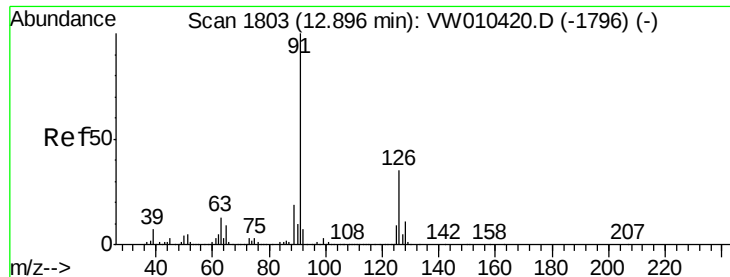
120 24.5 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.808 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

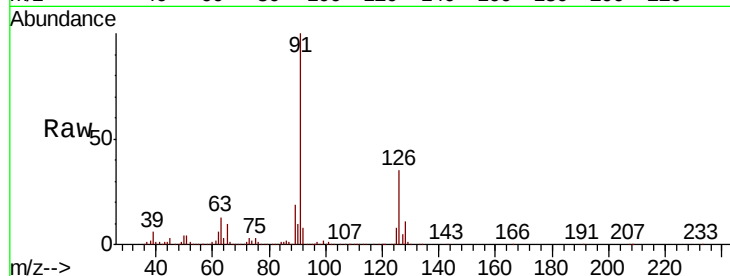
VSTDIC020

Tgt Ion: 91 Resp: 601221

Ion Ratio Lower Upper

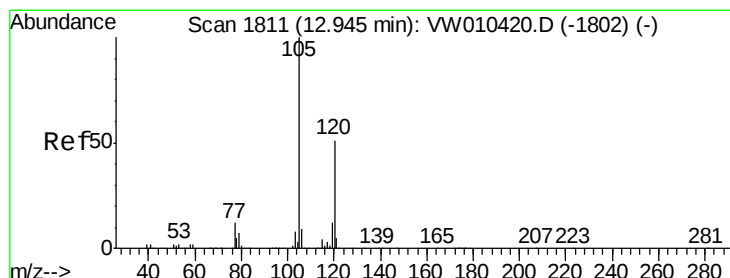
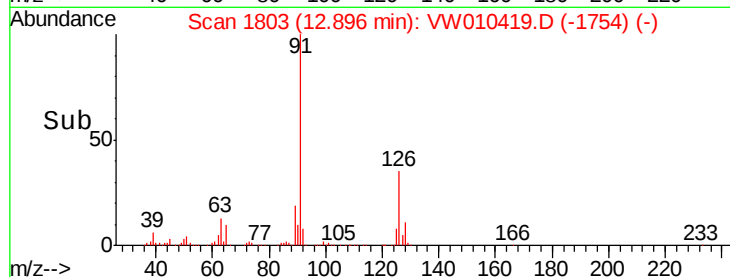
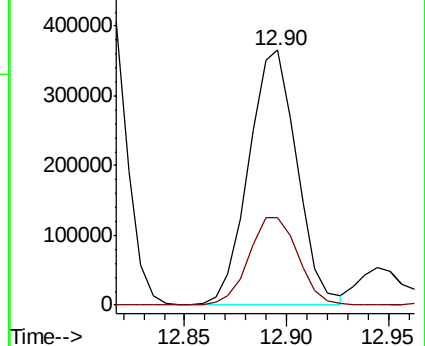
91 100

126 35.3 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.015 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010419.D

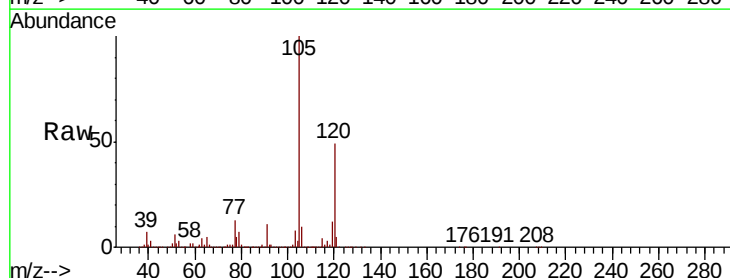
Acq: 17 May 2019 17:58

Tgt Ion: 105 Resp: 769539

Ion Ratio Lower Upper

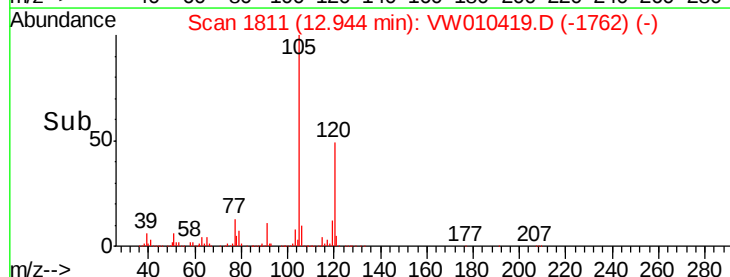
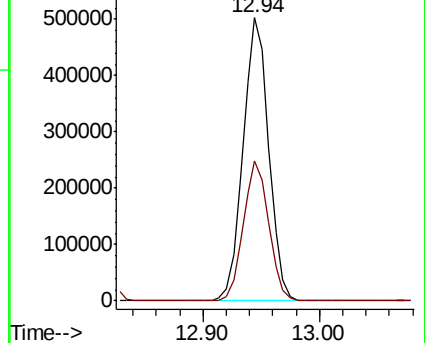
105 100

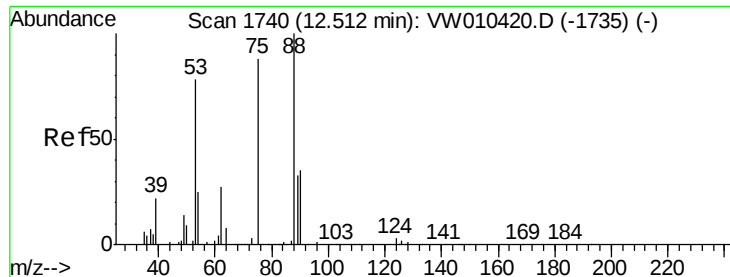
120 48.9 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.673 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

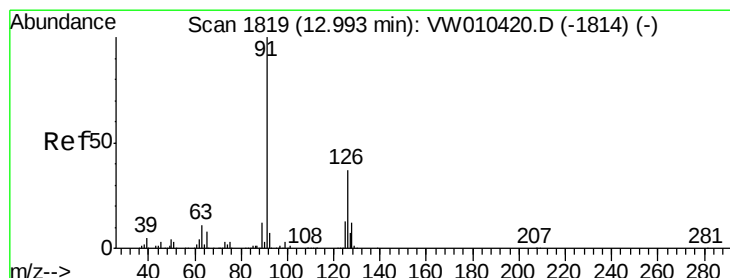
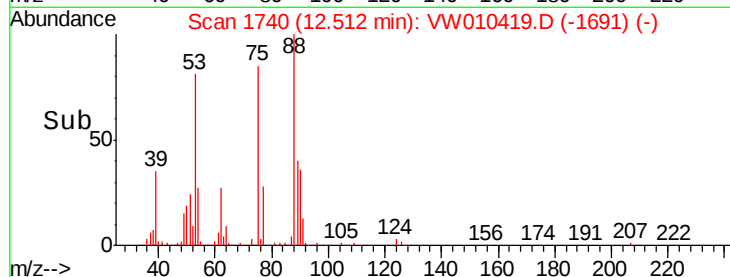
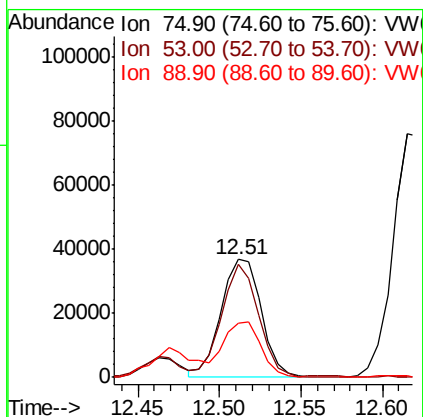
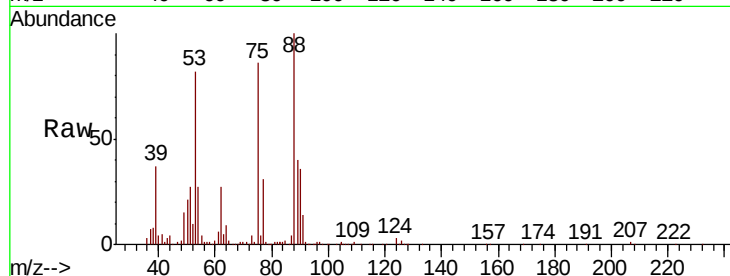
Tgt Ion: 75 Resp: 63022

Ion Ratio Lower Upper

75 100

53 86.3 70.7 106.1

89 44.2 38.6 58.0



#82

4-Chlorotoluene

Concen: 20.879 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW010419.D

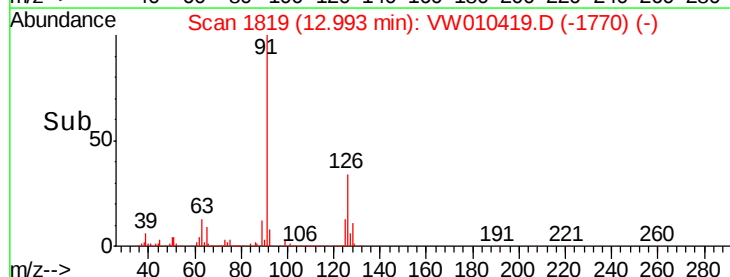
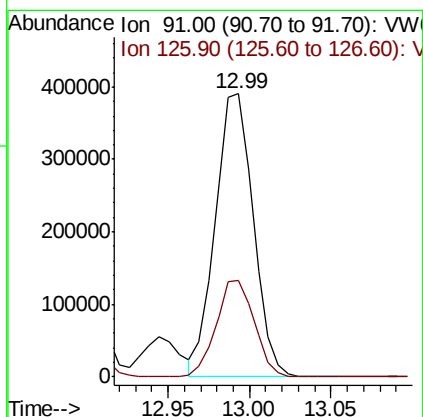
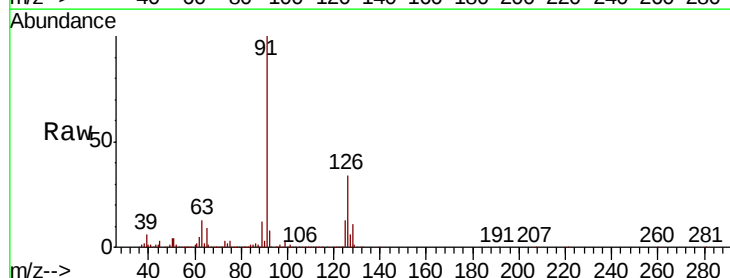
Acq: 17 May 2019 17:58

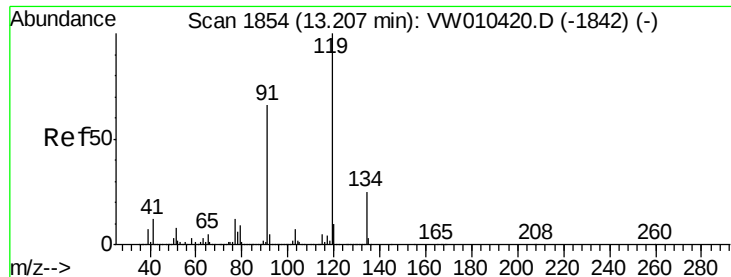
Tgt Ion: 91 Resp: 632984

Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.2

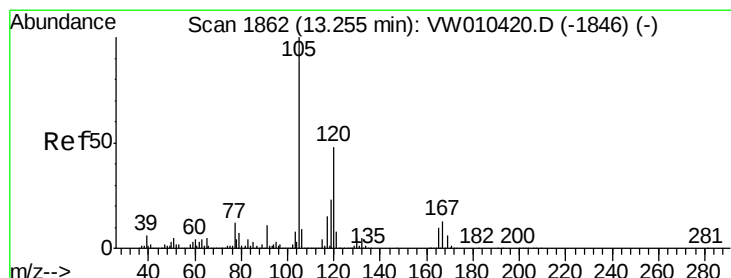
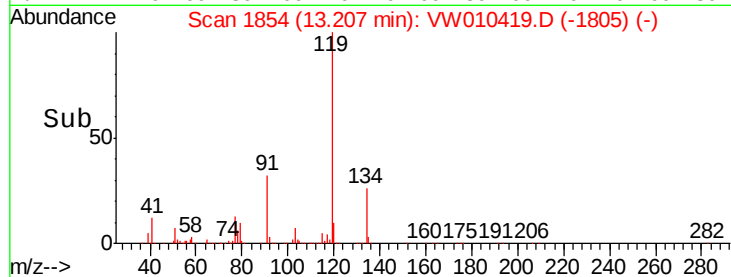
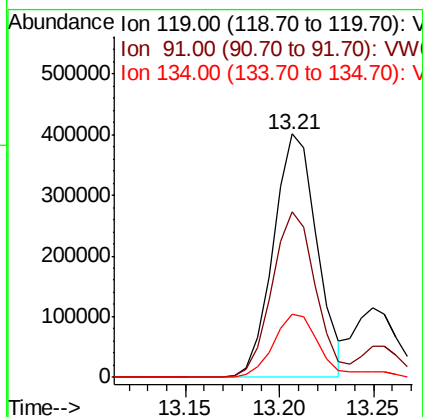
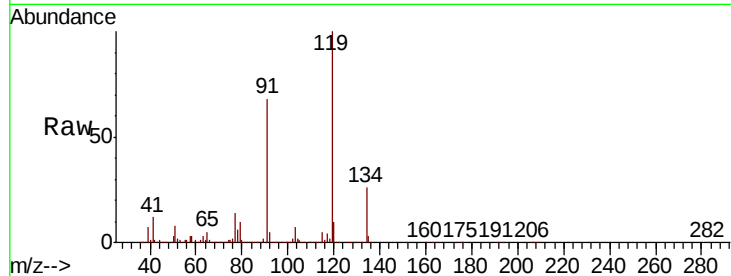




#83
 tert-Butylbenzene
 Concen: 20.892 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

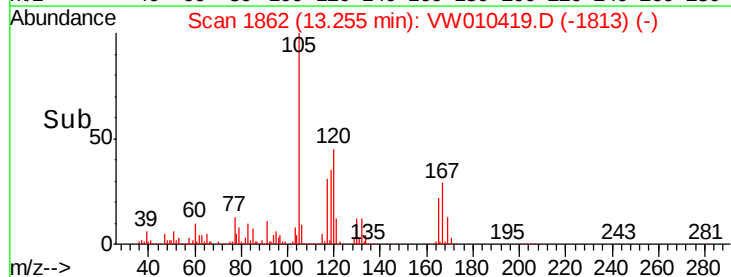
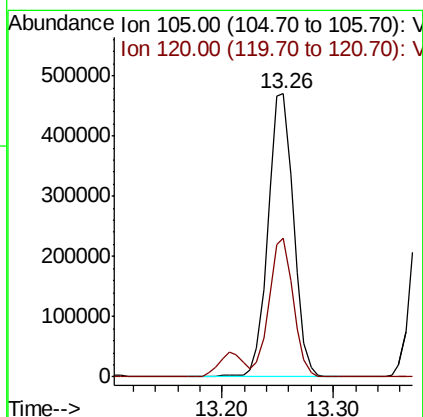
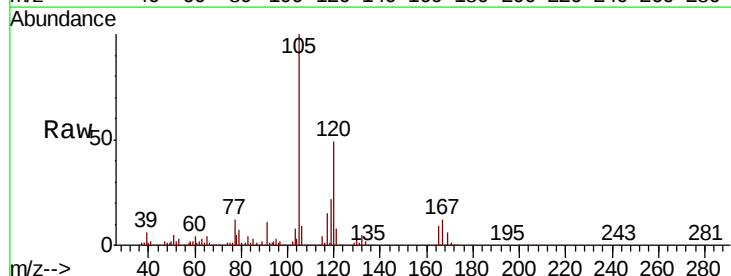
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

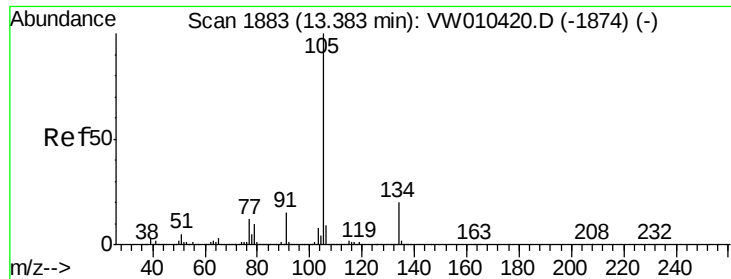
Tgt Ion:119 Resp: 645038
 Ion Ratio Lower Upper
 119 100
 91 68.4 33.5 100.5
 134 28.3 13.8 41.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.610 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion:105 Resp: 752638
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.0

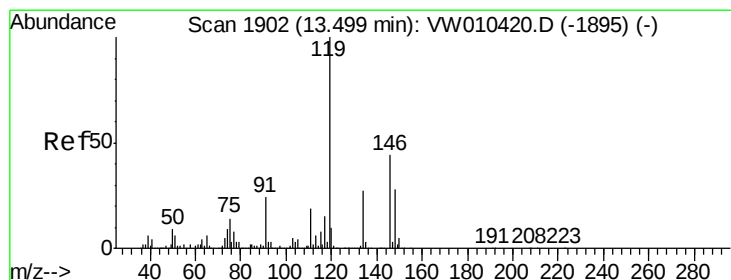
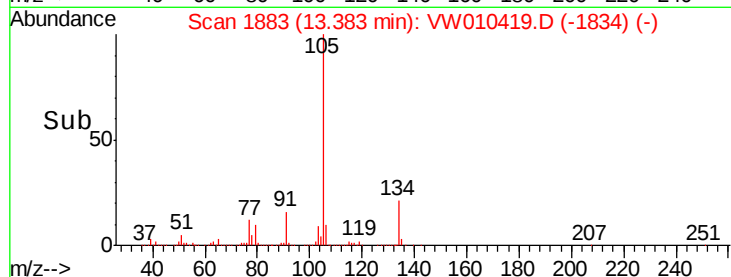
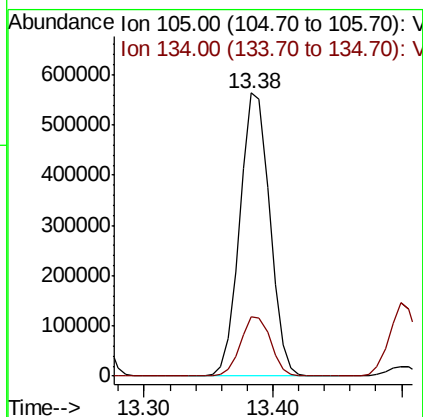
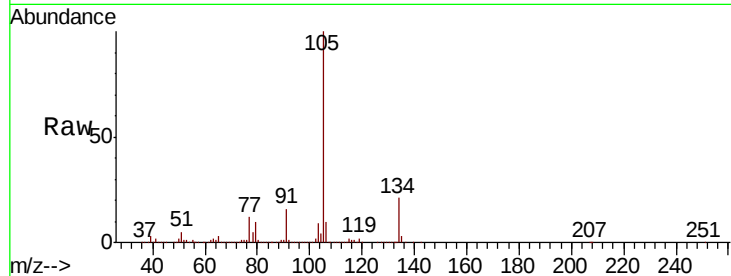




#85
 sec-Butylbenzene
 Concen: 20.703 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

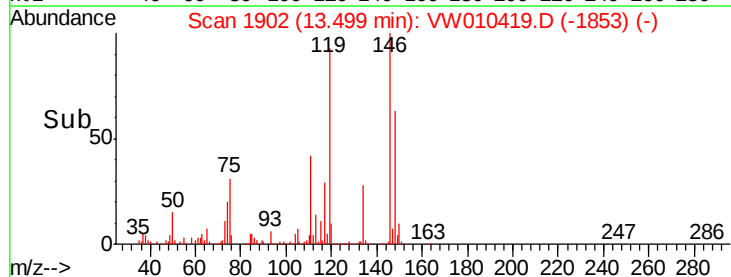
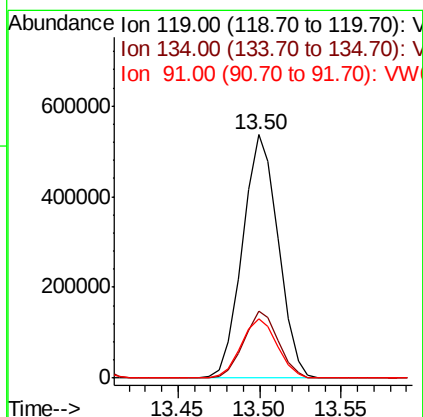
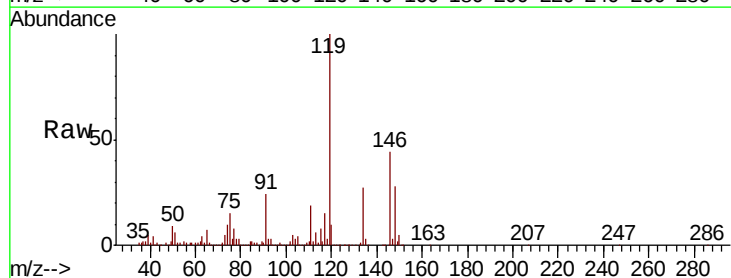
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

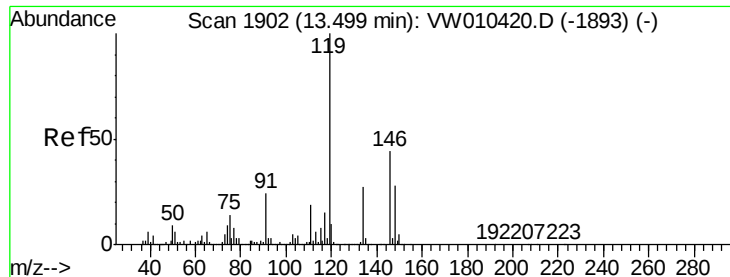
Tgt Ion:105 Resp: 904045
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.546 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion:119 Resp: 816338
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.7 41.0
 91 24.6 12.2 36.4

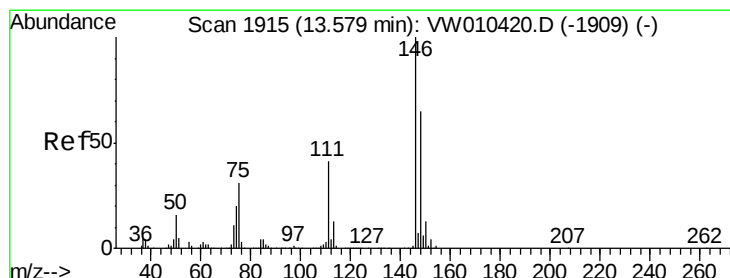
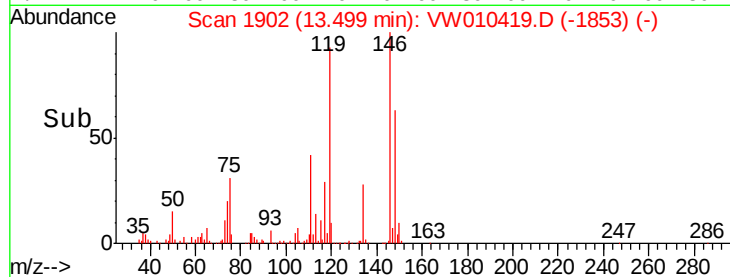
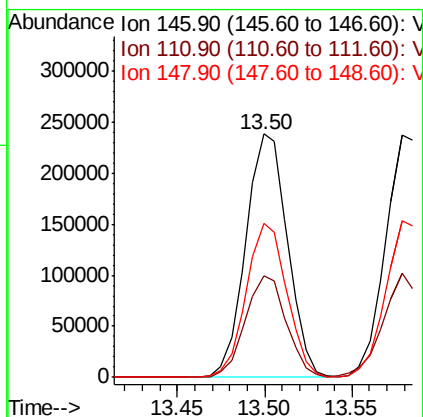
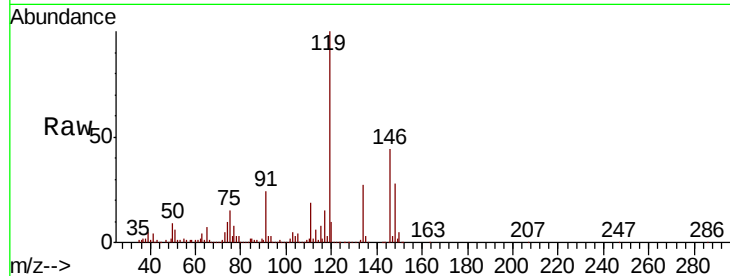




#87
 1,3-Dichlorobenzene
 Concen: 20.741 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

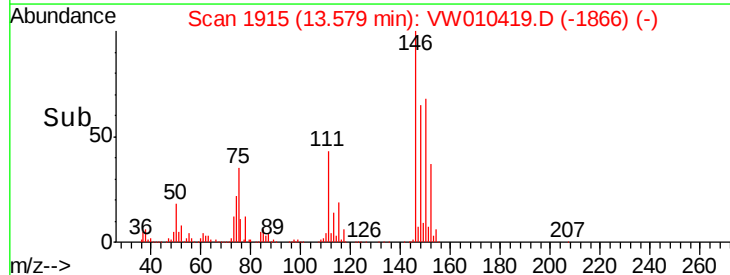
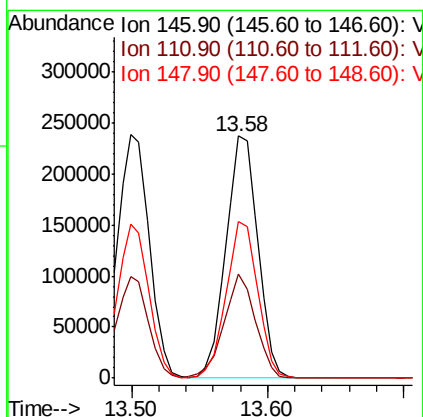
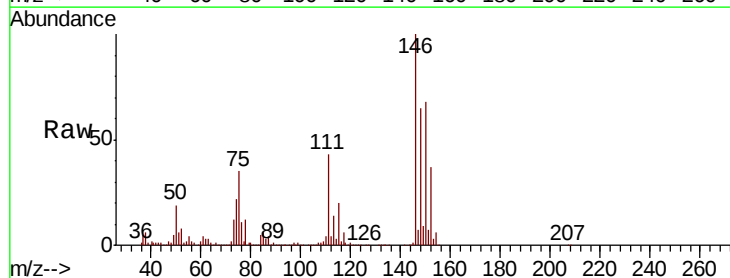
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

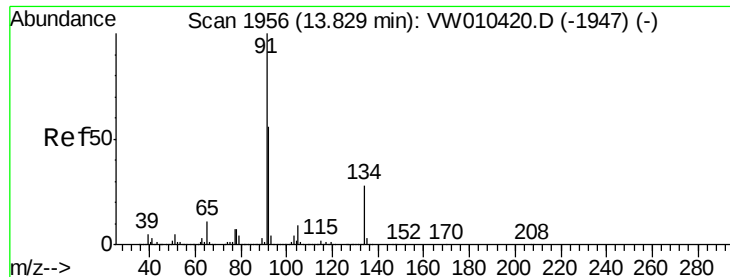
Tgt Ion:146 Resp: 395445
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.8 62.4
 148 61.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.328 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion:146 Resp: 386810
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.4 61.3
 148 64.1 32.3 96.9





#89

n-Butylbenzene

Concen: 20.504 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

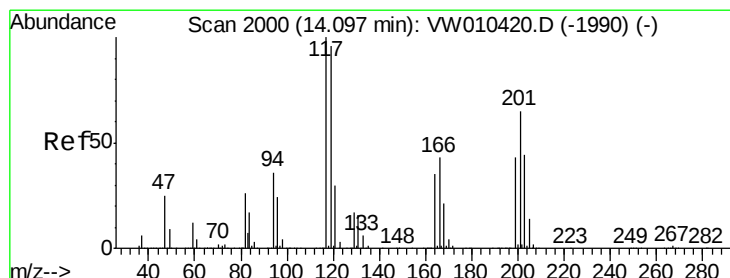
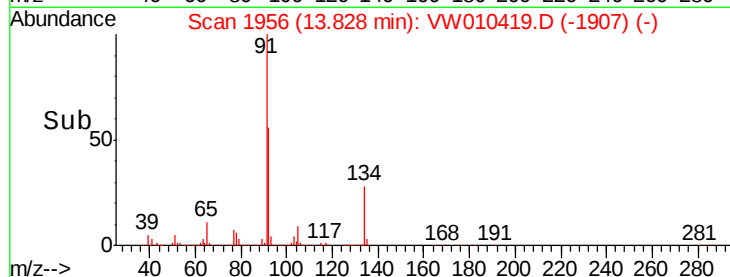
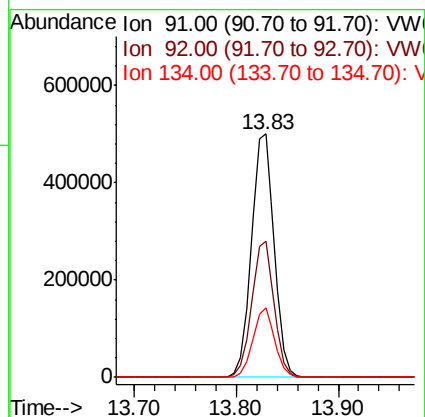
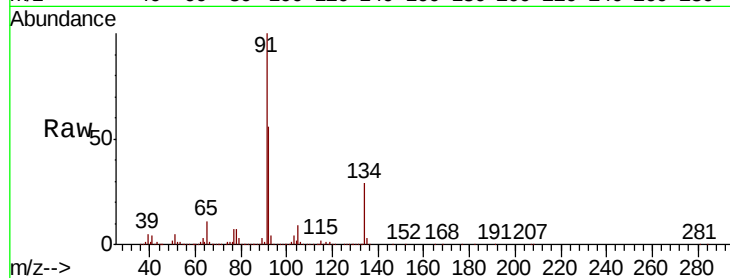
Tgt Ion: 91 Resp: 777563

Ion Ratio Lower Upper

91 100

92 55.2 27.7 83.0

134 27.6 13.8 41.3



#90

Hexachloroethane

Concen: 20.819 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010419.D

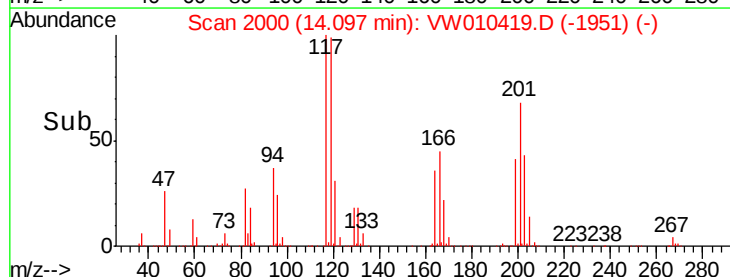
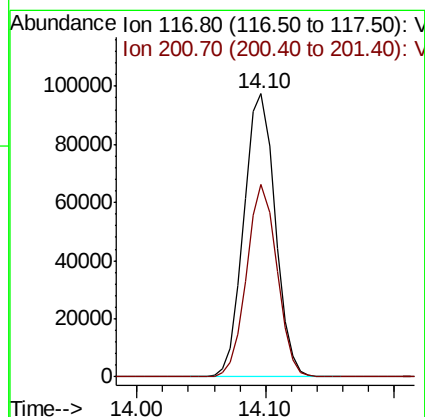
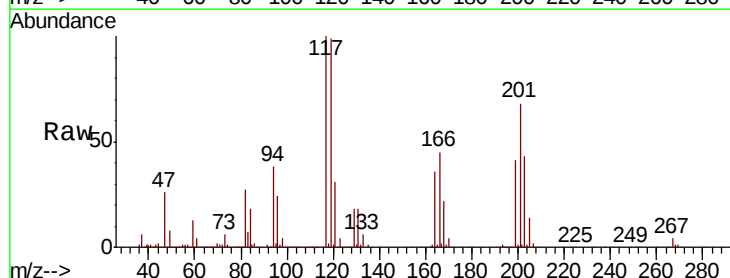
Acq: 17 May 2019 17:58

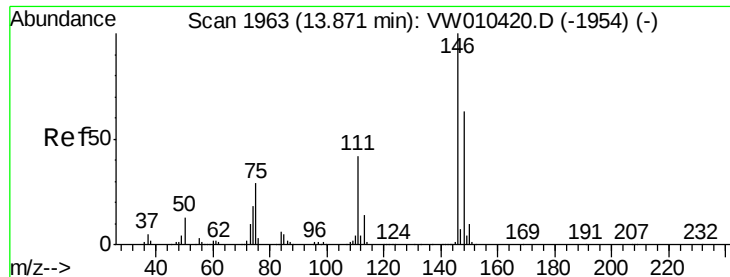
Tgt Ion: 117 Resp: 163767

Ion Ratio Lower Upper

117 100

201 65.6 33.8 101.4

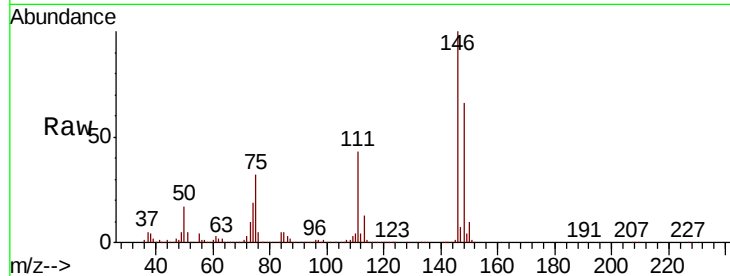




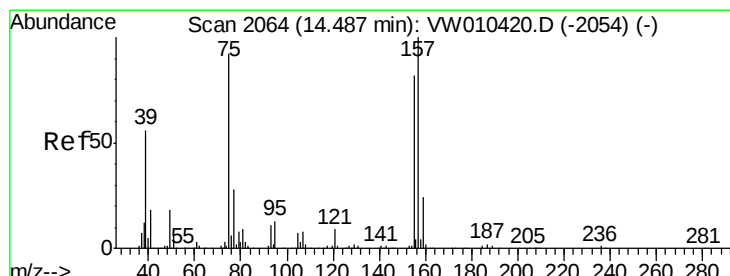
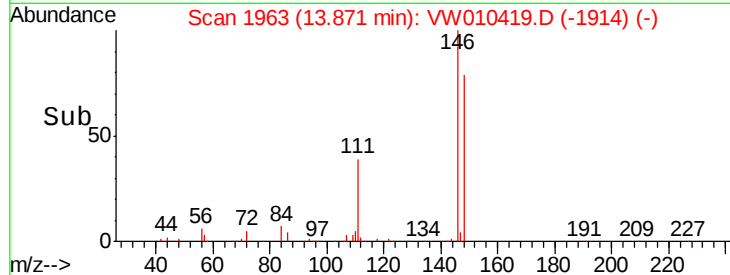
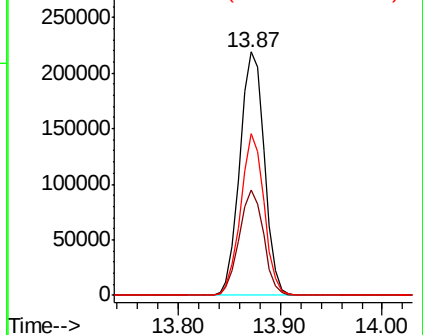
#91
 1,2-Dichlorobenzene
 Concen: 20.755 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.7
148	63.5	31.6	95.0

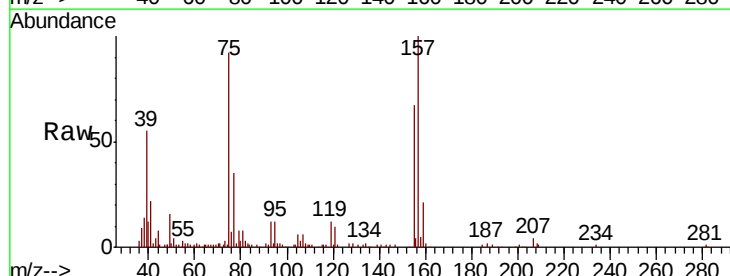


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

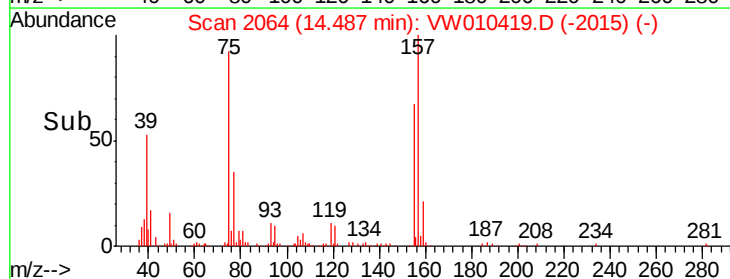
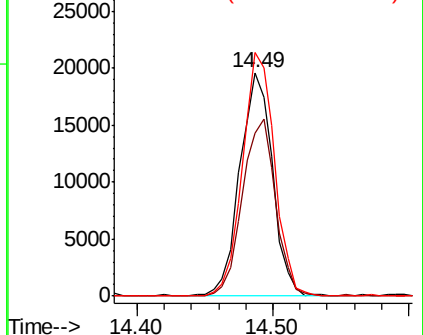


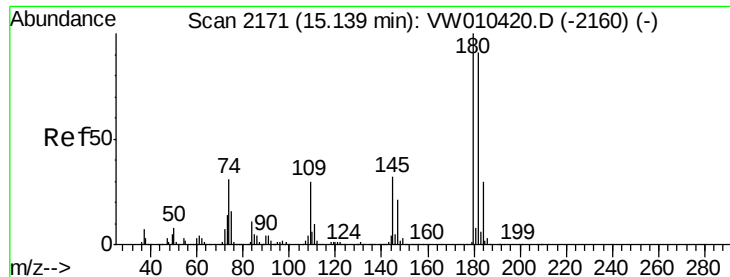
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.230 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	43.5	130.7
157	106.9	54.8	164.4



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

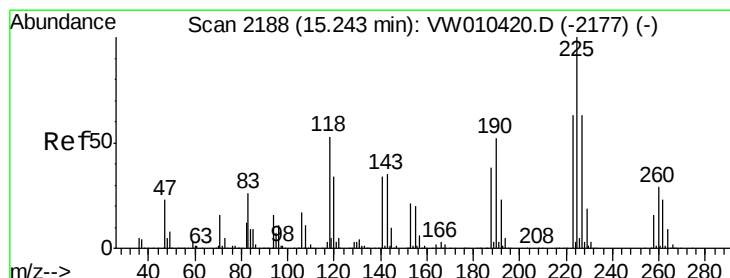
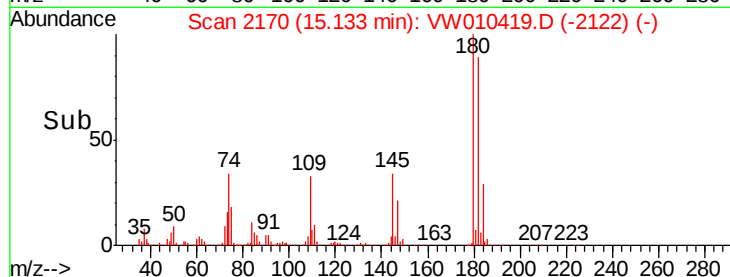
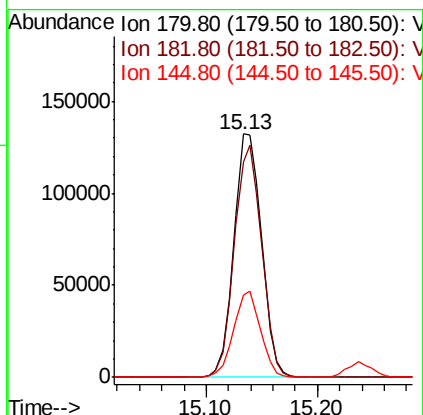
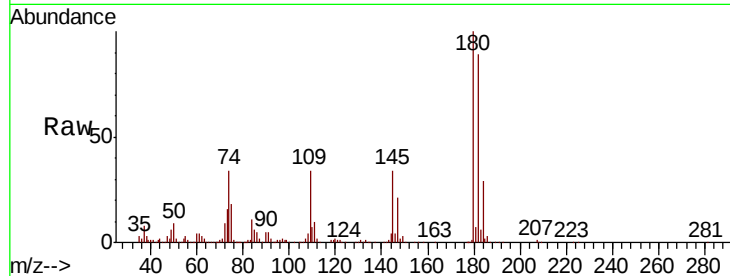




#93
 1,2,4-Trichlorobenzene
 Concen: 18.897 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

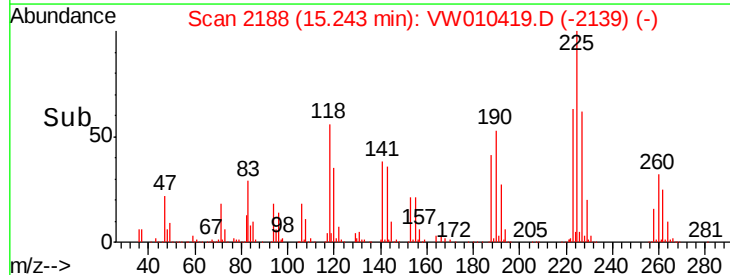
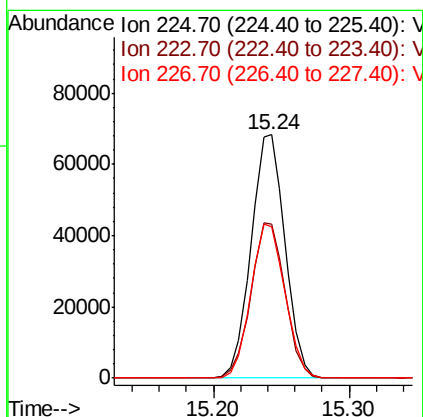
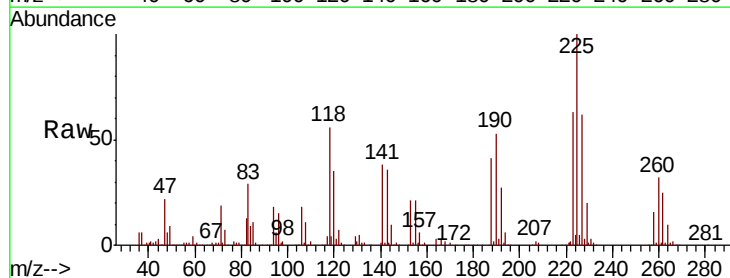
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

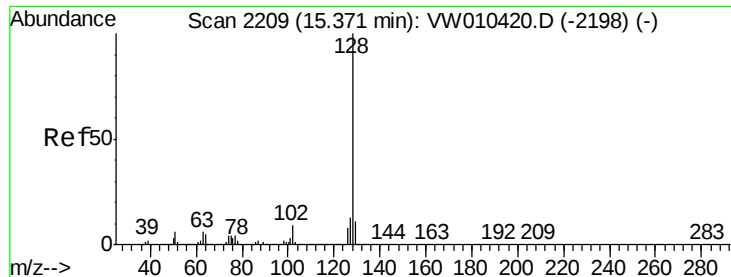
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.0	141.2
145	34.7	16.6	49.7



#94
 Hexachlorobutadiene
 Concen: 19.459 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010419.D
 Acq: 17 May 2019 17:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.0	96.2
227	63.4	31.4	94.0





#95

Naphthalene

Concen: 19.543 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

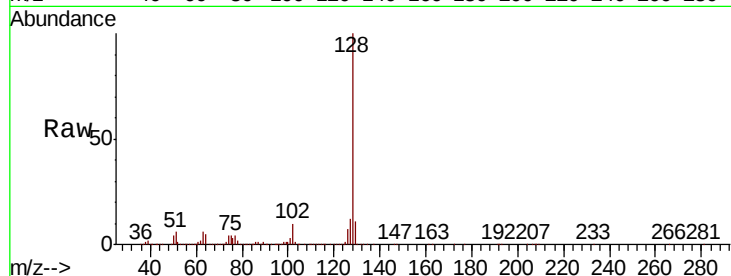
Tgt Ion:128 Resp: 523454

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

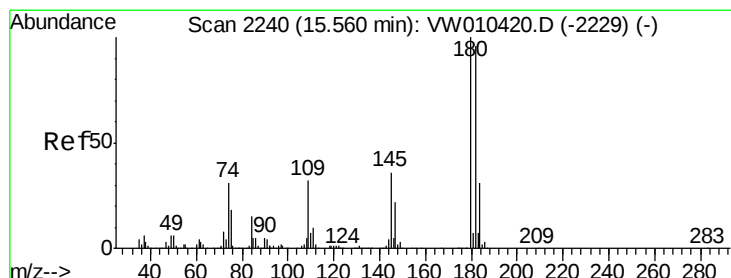
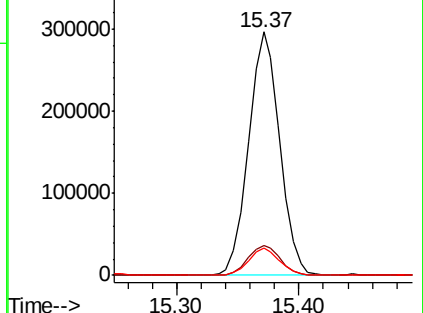
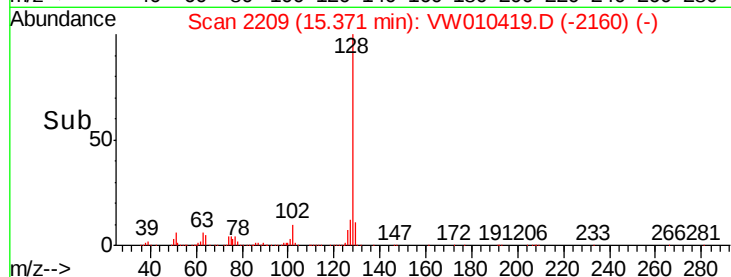
129 11.1 8.6 13.0



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: 18.865 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010419.D

Acq: 17 May 2019 17:58

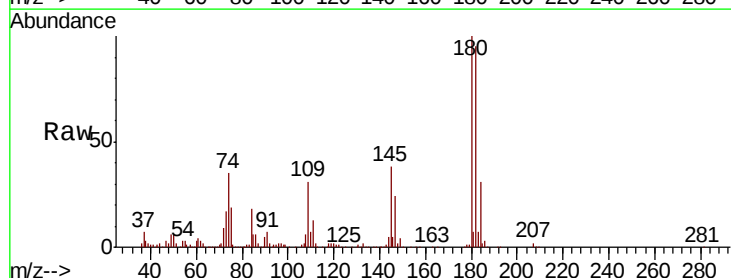
Tgt Ion:180 Resp: 201558

Ion Ratio Lower Upper

180 100

182 92.4 47.6 142.9

145 36.3 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

