

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
 Data File : VW010422.D
 Acq On : 17 May 2019 19:16
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Quant Time: May 17 23:27:11 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	867777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1526877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1385276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	611683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	1358672	152.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.48%	
35) Dibromofluoromethane	7.88	113	1356778	149.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.34%	
50) Toluene-d8	10.32	98	5195206	150.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.80%	
62) 4-Bromofluorobenzene	12.62	95	1946589	143.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	864536	158.132	ug/l	99
3) Chloromethane	2.21	50	1284069	171.062	ug/l	99
4) Vinyl Chloride	2.35	62	1374288	145.604	ug/l	96
5) Bromomethane	2.74	94	717103	119.027	ug/l	99
6) Chloroethane	2.89	64	873807	154.939	ug/l	93
7) Trichlorofluoromethane	3.25	101	1871224	287.048	ug/l	98
8) Diethyl Ether	3.68	74	702760	154.384	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	1244632	154.273	ug/l	99
10) Methyl Iodide	4.26	142	1499072	120.433	ug/l	98
11) Tert butyl alcohol	5.18	59	571447	779.542	ug/l	100
12) 1,1-Dichloroethene	4.03	96	1160500	137.712	ug/l	98
13) Acrolein	3.89	56	367188	791.403	ug/l	98
14) Allyl chloride	4.67	41	1796114	164.372	ug/l	99
15) Acrylonitrile	5.37	53	1502175	748.482	ug/l	99
16) Acetone	4.13	43	1104063	689.953	ug/l	99
17) Carbon Disulfide	4.37	76	3297012	143.838	ug/l	99
18) Methyl Acetate	4.67	43	700774	137.114	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	3398788	246.563	ug/l	100
20) Methylene Chloride	4.91	84	1239912	132.576	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	1365507	145.403	ug/l	99
22) Diisopropyl ether	6.31	45	4044931	155.272	ug/l	98
23) Vinyl Acetate	6.26	43	12721039	717.333	ug/l	99
24) 1,1-Dichloroethane	6.21	63	2287817	144.012	ug/l	99
25) 2-Butanone	7.17	43	2000803	667.418	ug/l	99
26) 2,2-Dichloropropane	7.17	77	1932941	213.764	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	1536987	141.835	ug/l	99
28) Bromochloromethane	7.51	49	941718	142.918	ug/l	99
29) Tetrahydrofuran	7.53	42	1350640	672.571	ug/l	98
30) Chloroform	7.68	83	2388784	143.119	ug/l	99
31) Cyclohexane	7.95	56	2065664	133.705	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	2205655	163.887	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1806009	137.460	ug/l	99
37) Ethyl Acetate	7.25	43	906085	137.539	ug/l	99
38) Carbon Tetrachloride	8.07	117	1961034	145.534	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	2394995	137.607	ug/l	99
40) Benzene	8.32	78	5229145	136.823	ug/l	99
41) Methacrylonitrile	7.48	41	529549	132.299	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	1559378	139.926	ug/l	100
43) Isopropyl Acetate	8.43	43	1865510	137.449	ug/l	99
44) Trichloroethene	9.09	130	1527061	139.904	ug/l	100
45) 1,2-Dichloropropane	9.37	63	1297952	136.890	ug/l	99
46) Dibromomethane	9.46	93	762424	138.094	ug/l	98
47) Bromodichloromethane	9.65	83	1924177	142.118	ug/l	98
48) Methyl methacrylate	9.44	41	846734	135.734	ug/l	98
49) 1,4-Dioxane	9.45	88	218828	2267.773	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	4776282	679.769	ug/l	99
52) Toluene	10.39	92	3517743	138.115	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	1972058	138.278	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	2224185	137.947	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	1111935	139.281	ug/l	99
56) Ethyl methacrylate	10.65	69	1598483	141.013	ug/l	100
57) 1,3-Dichloropropane	10.93	76	1858999	139.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	3804857	765.795	ug/l	98
59) 2-Hexanone	10.97	43	3269125	659.633	ug/l	99
60) Dibromochloromethane	11.13	129	1411793	141.575	ug/l	100
61) 1,2-Dibromoethane	11.24	107	1123237	139.428	ug/l	99
64) Tetrachloroethene	10.86	164	1249984	136.510	ug/l	99
65) Chlorobenzene	11.66	112	3825840	139.186	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	1413197	138.838	ug/l	99
67) Ethyl Benzene	11.73	91	6614657	135.504	ug/l	100
68) m/p-Xylenes	11.84	106	5176541	271.013	ug/l	99
69) o-Xylene	12.17	106	2520157	136.896	ug/l	98
70) Styrene	12.18	104	4381674	136.923	ug/l	99
71) Bromoform	12.35	173	823941	139.595	ug/l #	98
73) Isopropylbenzene	12.46	105	6578990	147.426	ug/l	100
74) N-amyl acetate	12.27	43	1858892	150.449	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	1315103	149.951	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	1674356	251.560	ug/l #	100
77) Bromobenzene	12.75	156	1530714	148.670	ug/l	99
78) n-propylbenzene	12.80	91	7526853	144.233	ug/l	100
79) 2-Chlorotoluene	12.90	91	4451037	146.688	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	5546630	144.232	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	475977	148.674	ug/l	98
82) 4-Chlorotoluene	12.99	91	4674551	146.819	ug/l	99
83) tert-Butylbenzene	13.21	119	4671694	144.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	5453578	142.199	ug/l	100
85) sec-Butylbenzene	13.38	105	6525102	142.287	ug/l	100
86) p-Isopropyltoluene	13.50	119	5948013	142.548	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	2870553	143.364	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	2808213	140.523	ug/l	99
89) n-Butylbenzene	13.83	91	5616128	141.019	ug/l	99
90) Hexachloroethane	14.10	117	1215203	147.099	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	2560284	139.297	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	221619	135.928	ug/l	98

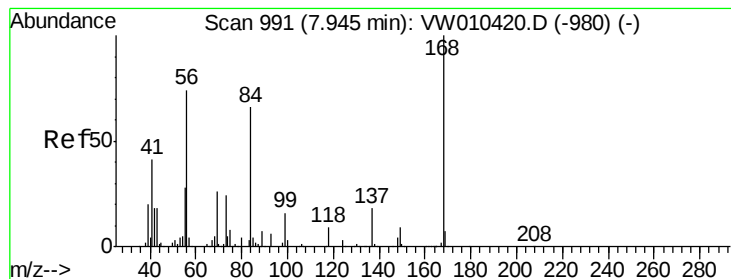
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1675893	132.642	ug/l	99
94) Hexachlorobutadiene	15.24	225	863963	133.857	ug/l	99
95) Naphthalene	15.37	128	3724098	132.391	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1477087	131.643	ug/l	99

(#) = 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: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

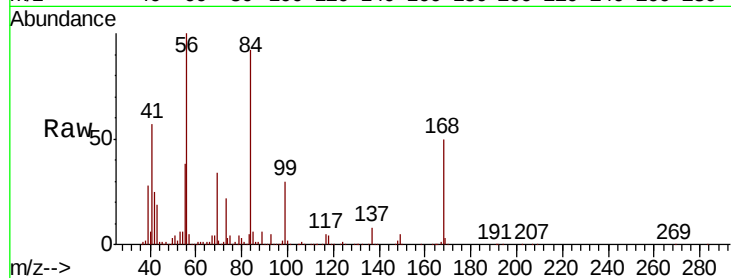
VSTDIC150

Tgt Ion:168 Resp: 867777

Ion Ratio Lower Upper

168 100

99 59.0 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

600000

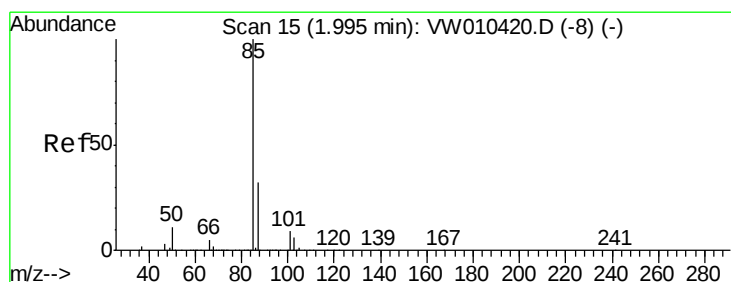
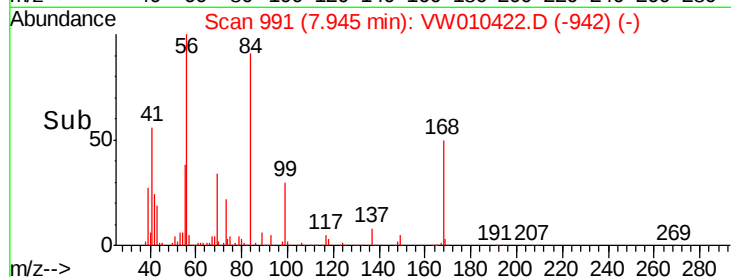
400000

200000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 158.132 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010422.D

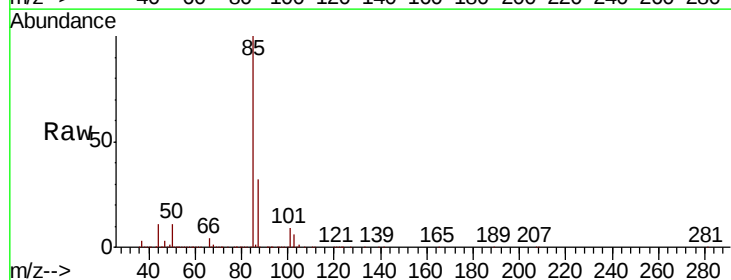
Acq: 17 May 2019 19:16

Tgt Ion: 85 Resp: 864536

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

600000

500000

400000

300000

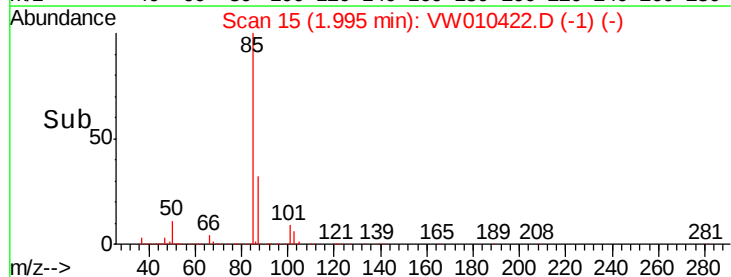
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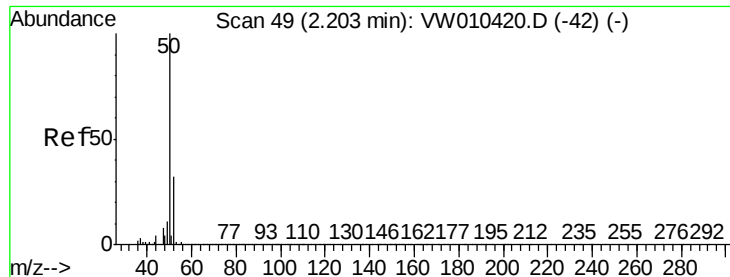
100000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 171.062 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

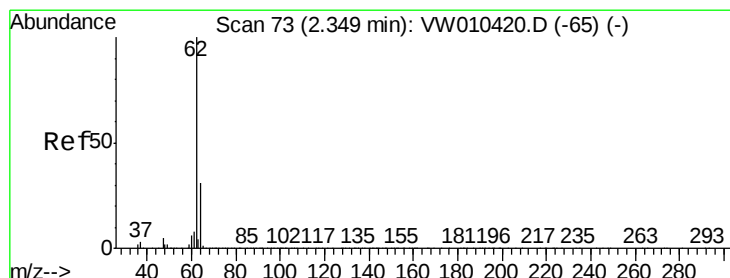
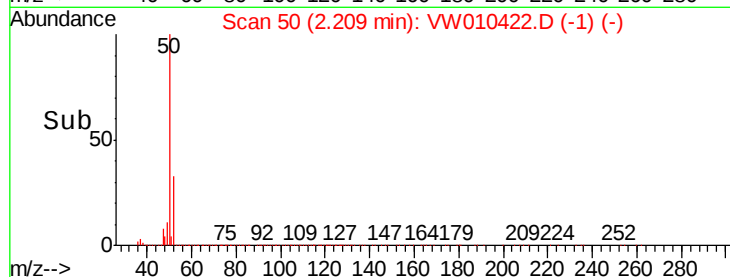
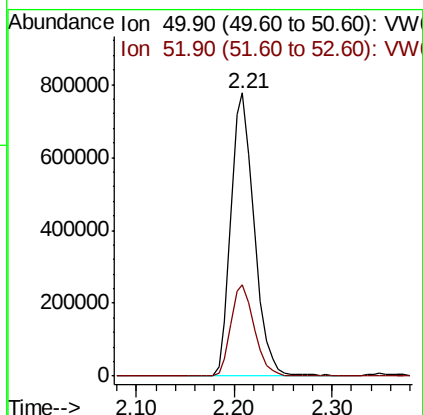
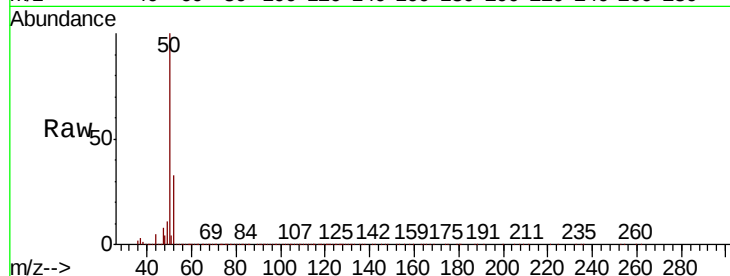
VSTDIC150

Tgt Ion: 50 Resp: 1284069

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.0



#4

Vinyl Chloride

Concen: 145.604 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010422.D

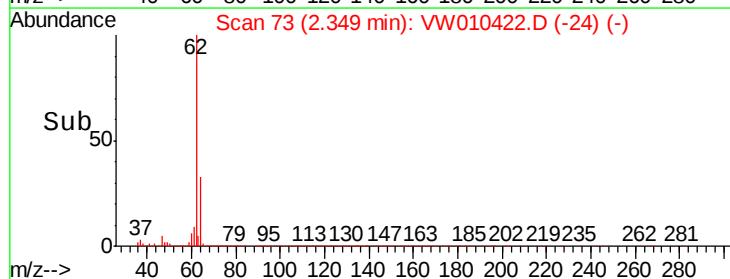
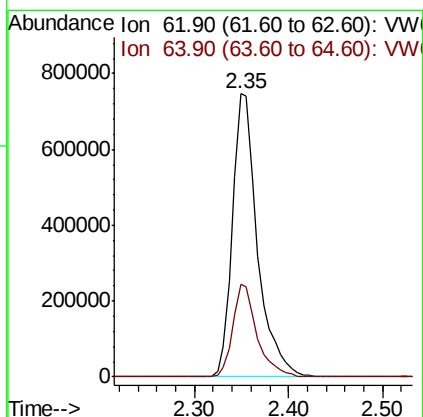
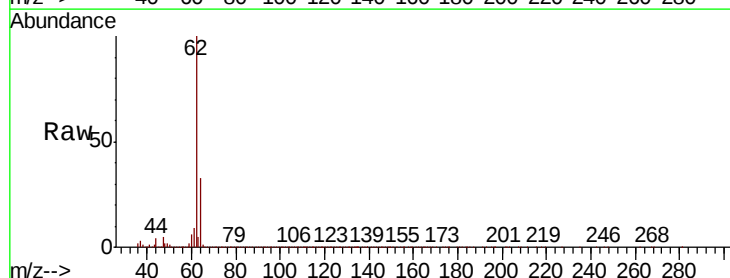
Acq: 17 May 2019 19:16

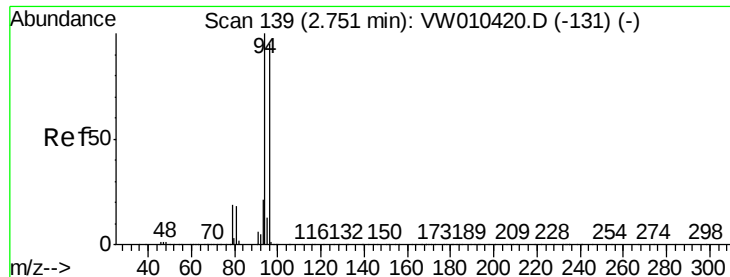
Tgt Ion: 62 Resp: 1374288

Ion Ratio Lower Upper

62 100

64 32.6 24.4 36.6





#5

Bromomethane

Concen: 119.027 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

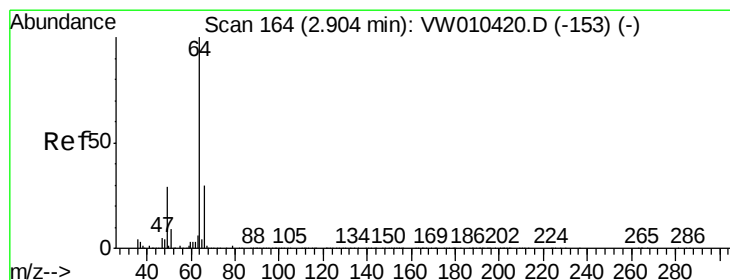
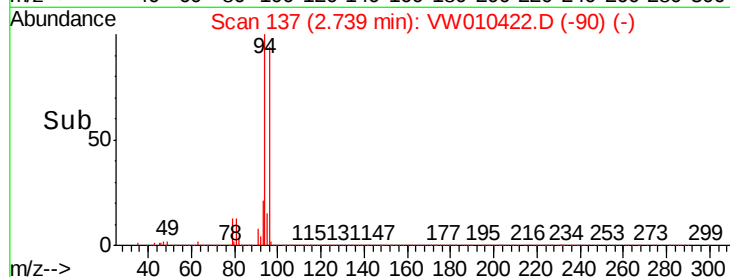
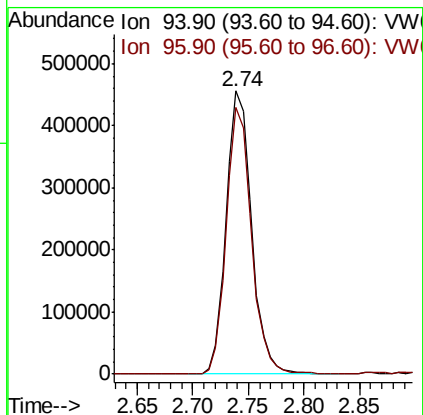
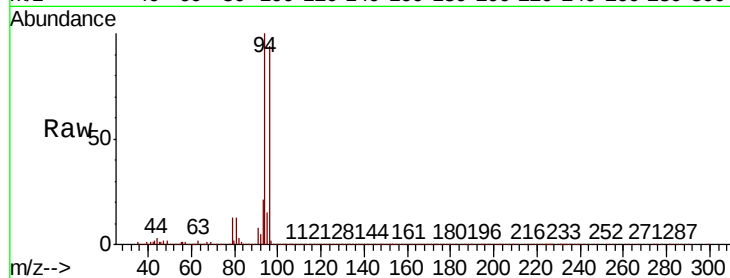
VSTDIC150

Tgt Ion: 94 Resp: 717103

Ion Ratio Lower Upper

94 100

96 94.1 75.8 113.6



#6

Chloroethane

Concen: 154.939 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.01 min

Lab File: VW010422.D

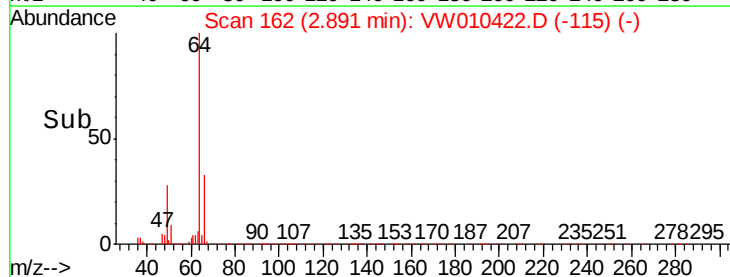
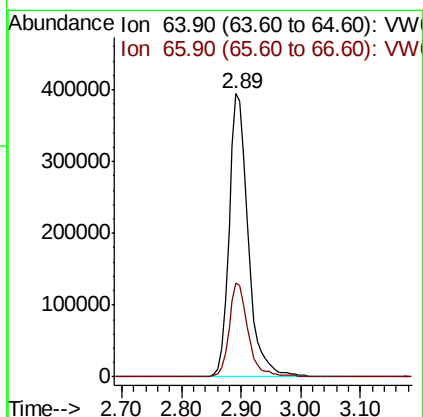
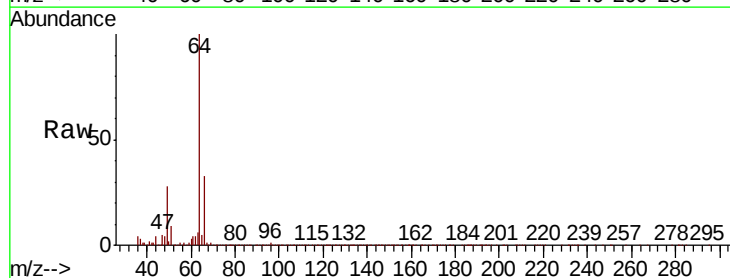
Acq: 17 May 2019 19:16

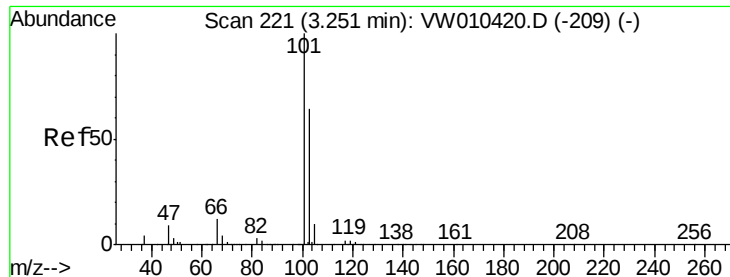
Tgt Ion: 64 Resp: 873807

Ion Ratio Lower Upper

64 100

66 33.1 23.6 35.4



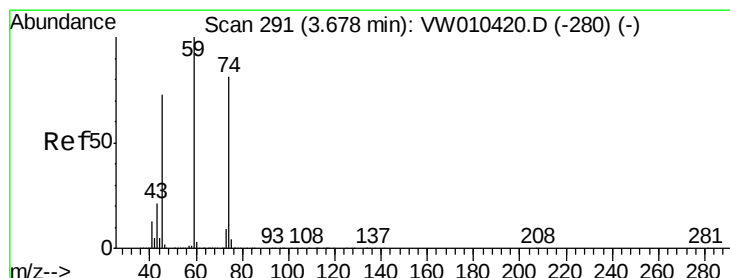
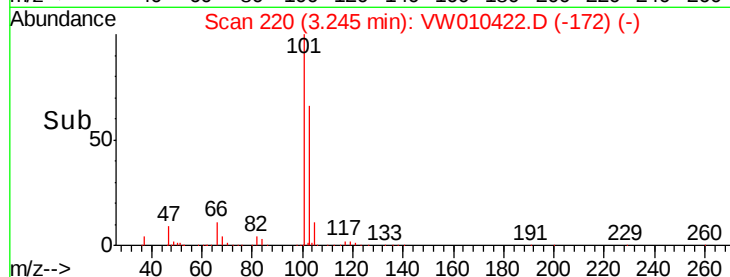
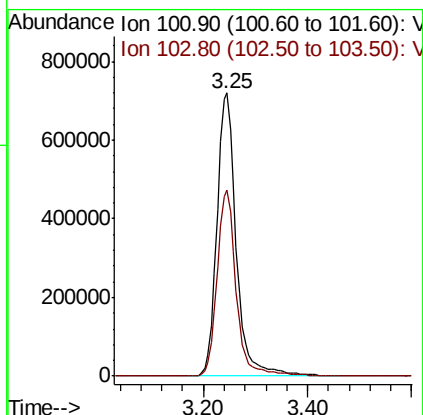
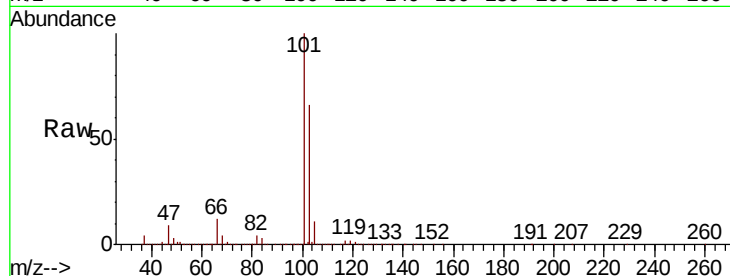


#7

Trichlorofluoromethane
Concen: 287.048 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

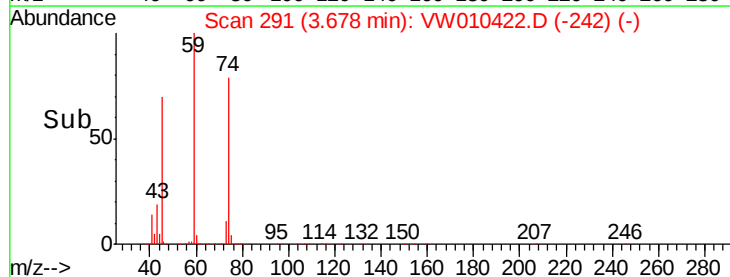
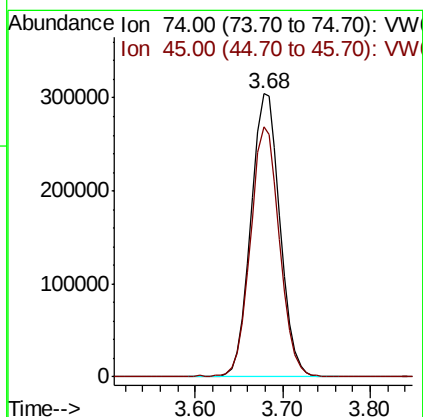
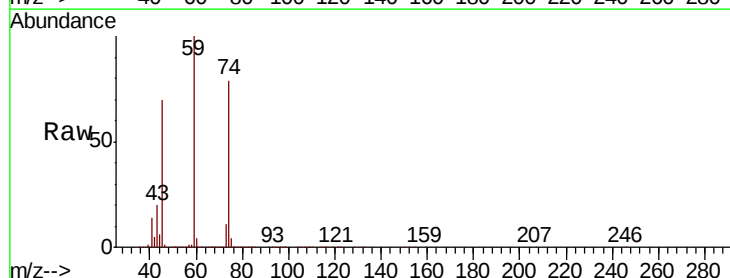
Tgt Ion:101 Resp: 1871224
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.0

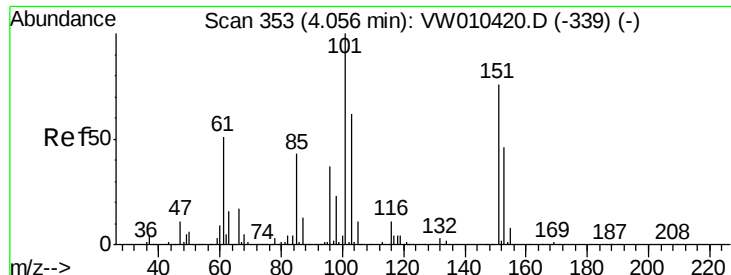


#8

Diethyl Ether
Concen: 154.384 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 74 Resp: 702760
Ion Ratio Lower Upper
74 100
45 88.7 43.4 130.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 154.273 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

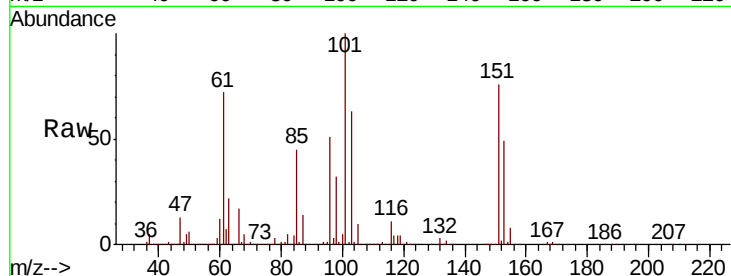
Tgt Ion:101 Resp: 1244632

Ion Ratio Lower Upper

101 100

85 43.0 34.3 51.5

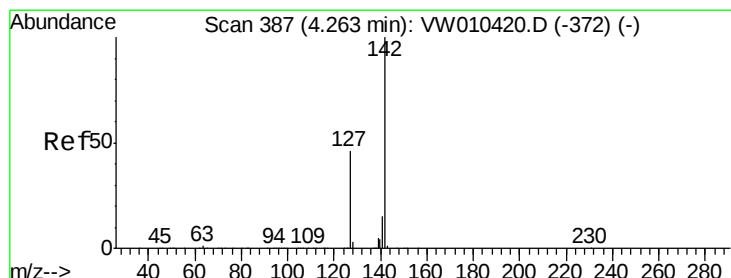
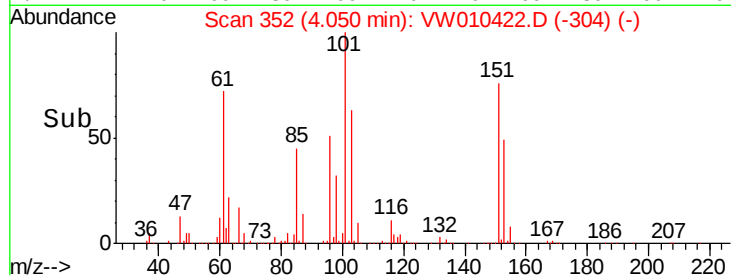
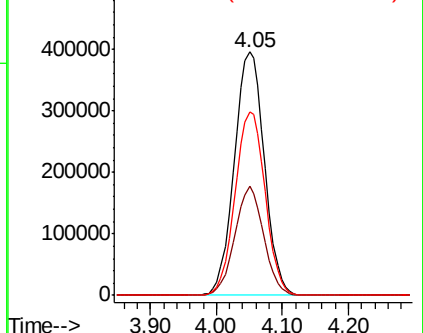
151 75.6 59.4 89.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 120.433 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

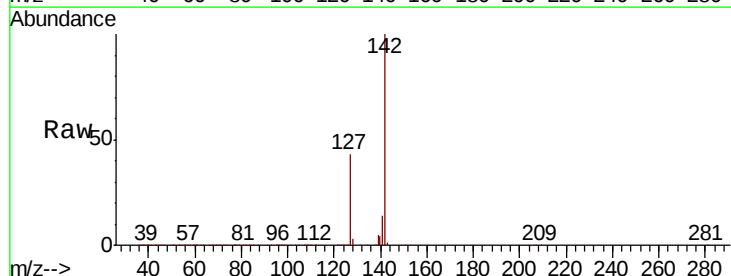
Tgt Ion:142 Resp: 1499072

Ion Ratio Lower Upper

142 100

127 43.0 35.4 53.2

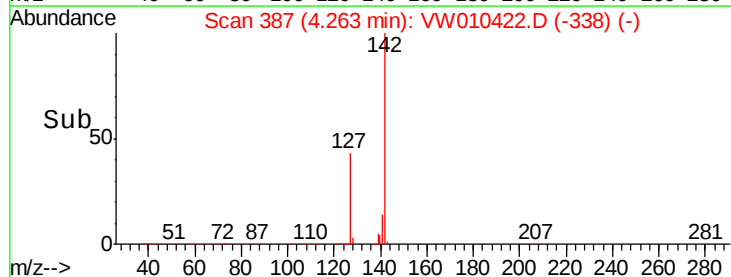
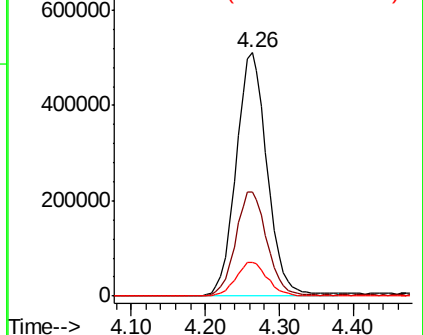
141 14.1 11.4 17.2

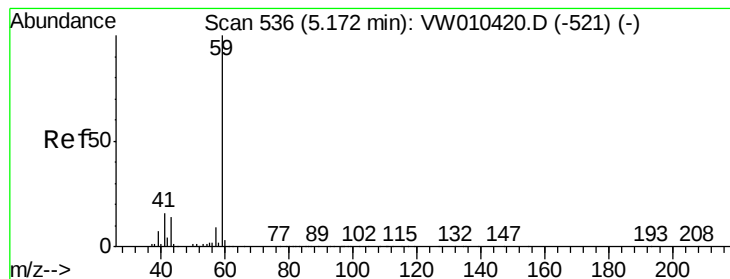


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



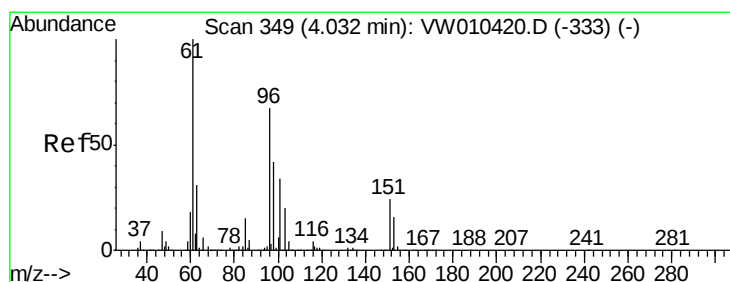
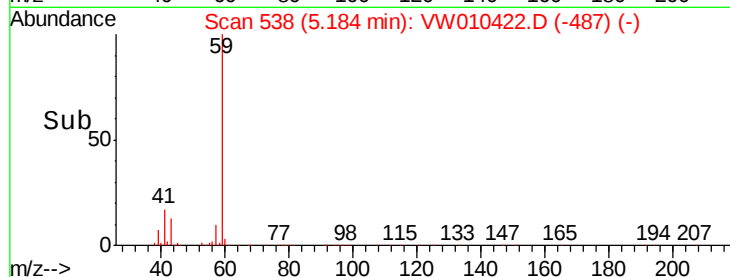
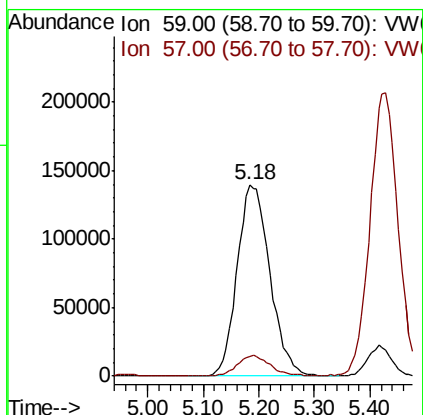
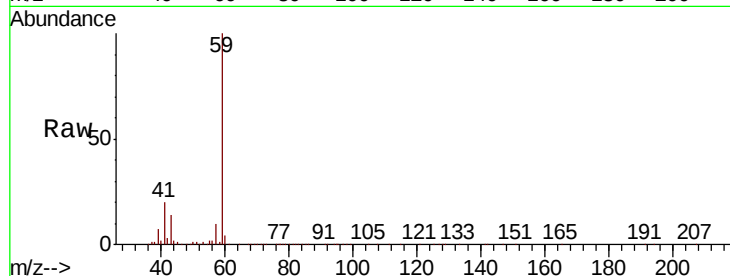


#11

Tert butyl alcohol
Concen: 779.542 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

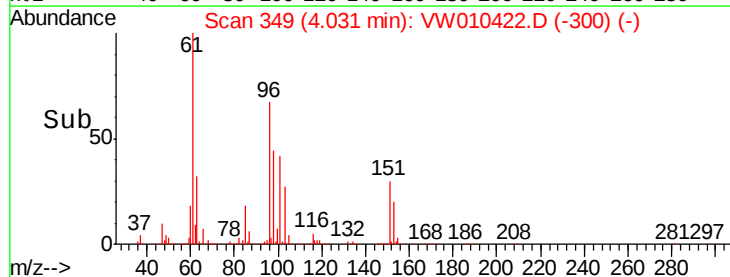
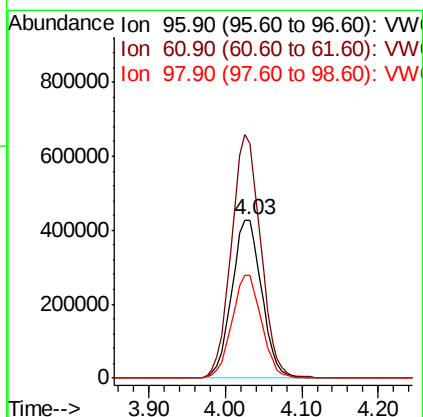
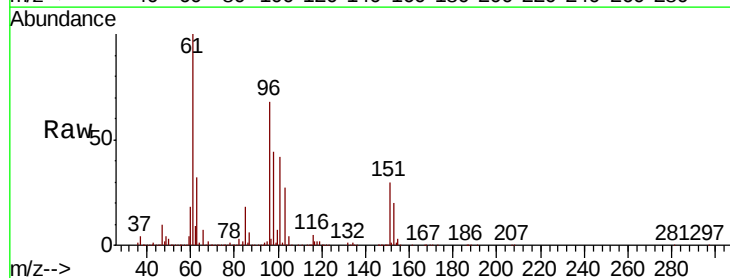
Tgt Ion: 59 Resp: 571447
Ion Ratio Lower Upper
59 100
57 10.5 8.4 12.6

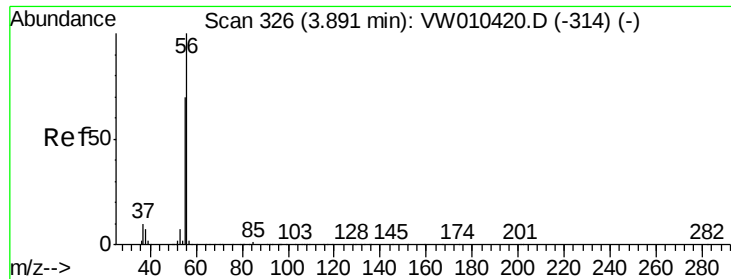


#12

1,1-Dichloroethene
Concen: 137.712 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 96 Resp: 1160500
Ion Ratio Lower Upper
96 100
61 148.1 120.3 180.5
98 64.6 50.7 76.1

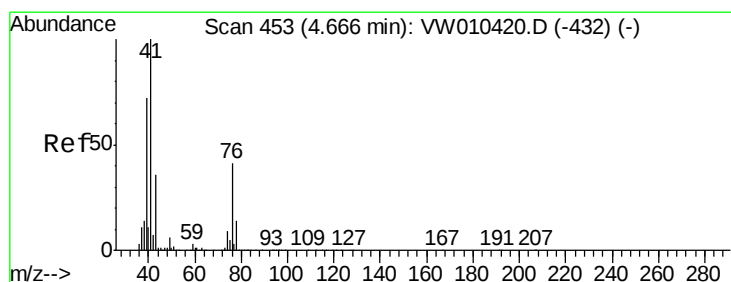
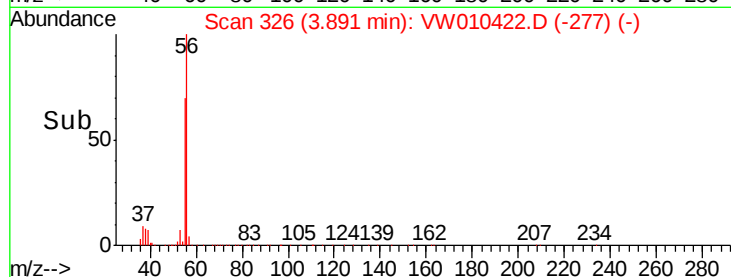
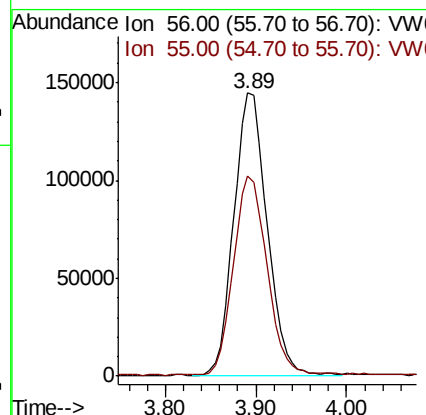
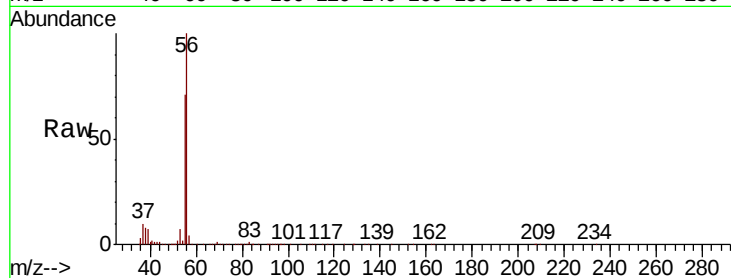




#13
Acrolein
Concen: 791.403 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

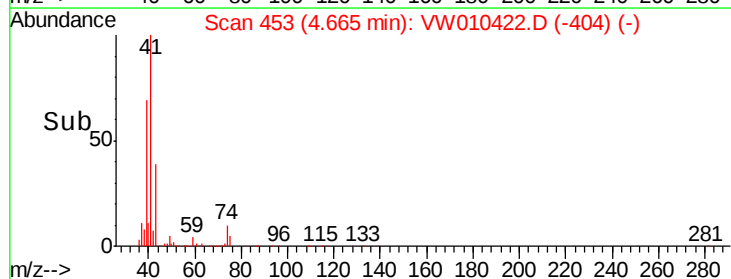
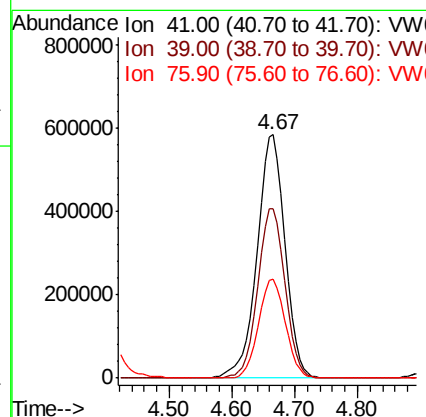
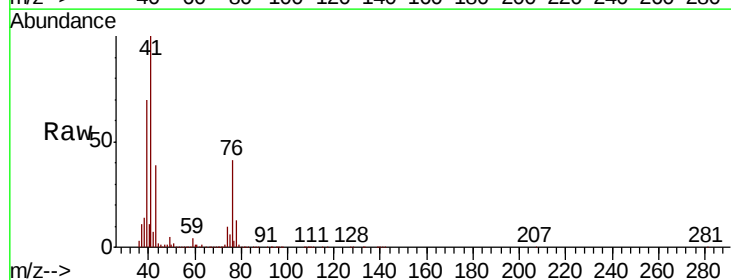
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

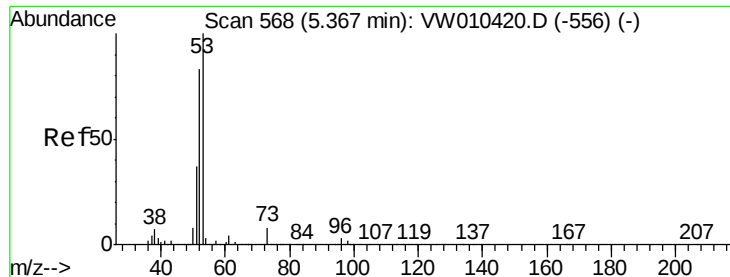
Tgt Ion: 56 Resp: 367188
Ion Ratio Lower Upper
56 100
55 70.7 57.6 86.4



#14
Allyl chloride
Concen: 164.372 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 41 Resp: 1796114
Ion Ratio Lower Upper
41 100
39 68.0 54.9 82.3
76 38.9 31.8 47.6





#15

Acrylonitrile

Concen: 748.482 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

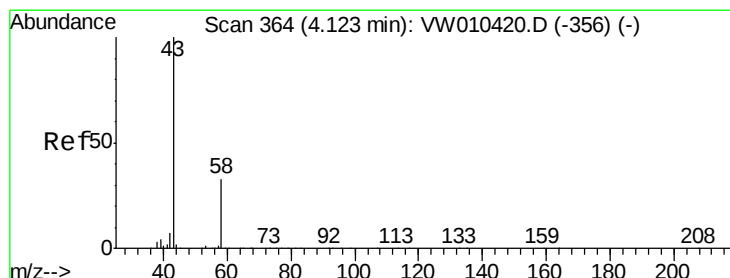
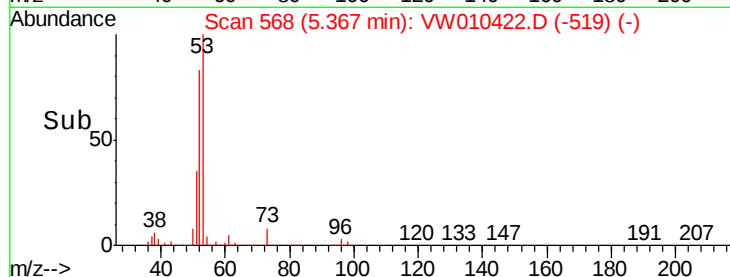
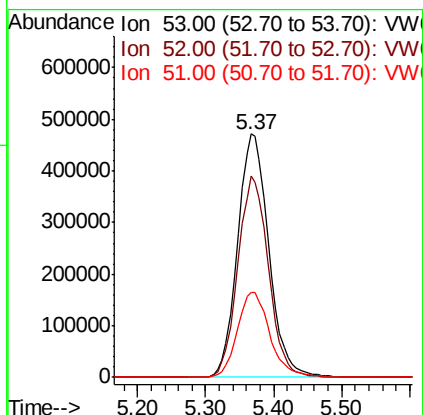
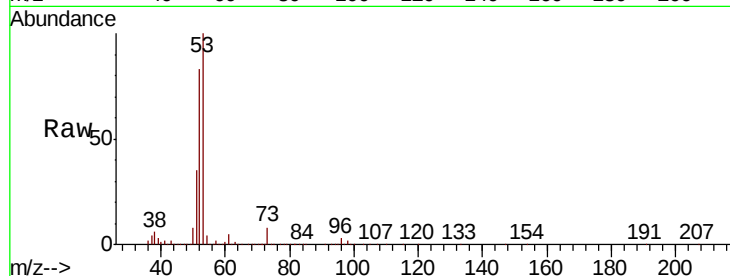
Tgt Ion: 53 Resp: 1502175

Ion Ratio Lower Upper

53 100

52 81.2 63.9 95.9

51 36.4 29.5 44.3



#16

Acetone

Concen: 689.953 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010422.D

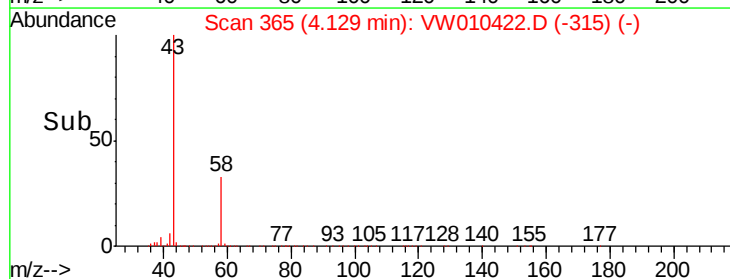
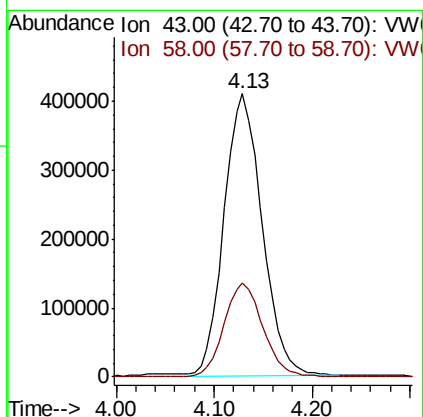
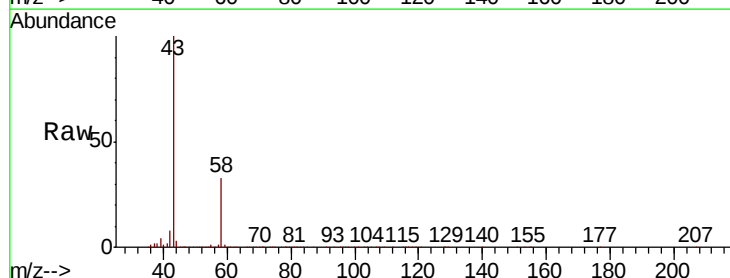
Acq: 17 May 2019 19:16

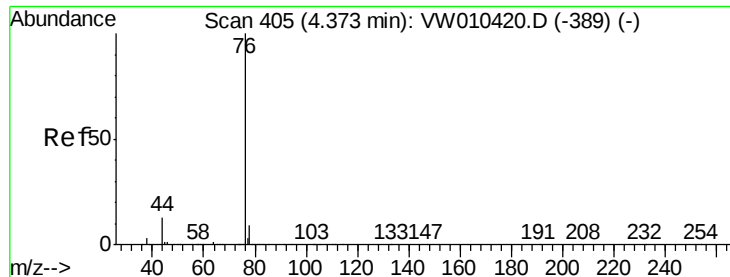
Tgt Ion: 43 Resp: 1104063

Ion Ratio Lower Upper

43 100

58 33.2 26.0 39.0

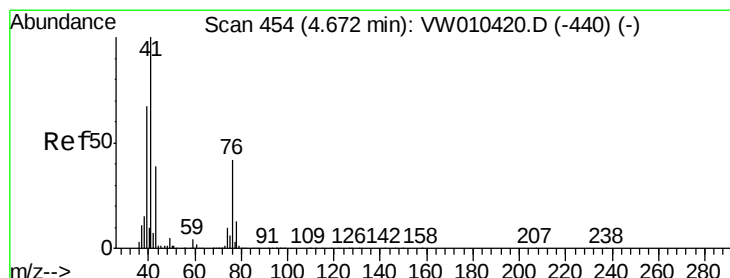
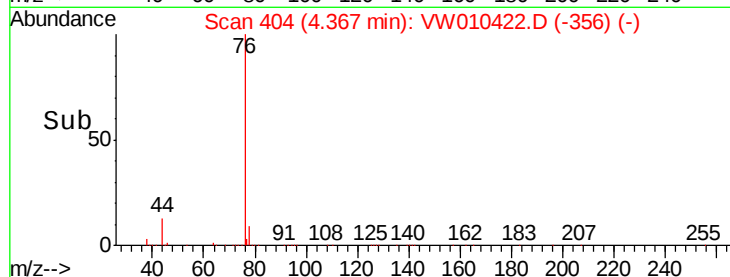
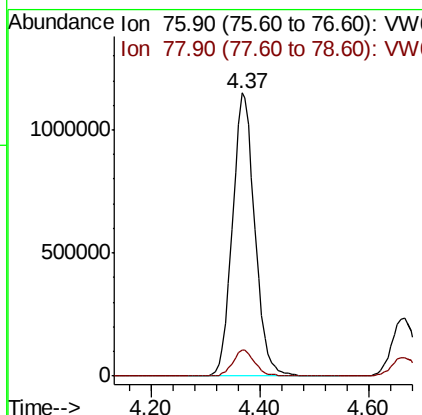
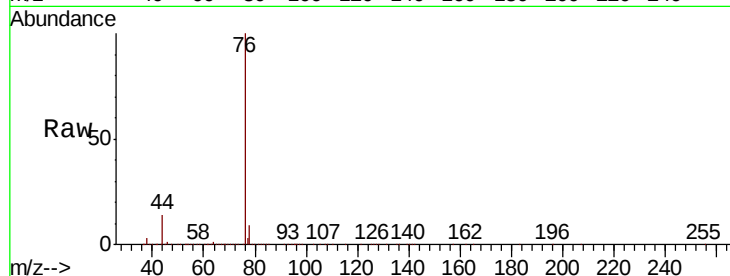




#17
Carbon Disulfide
Concen: 143.838 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

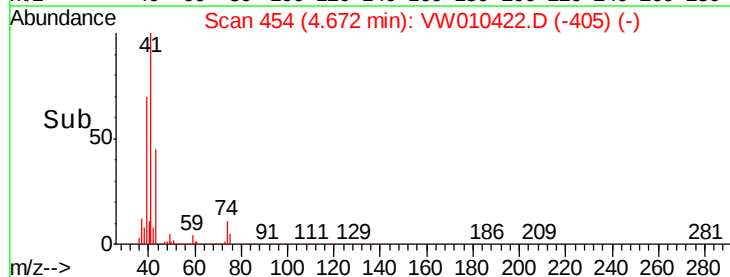
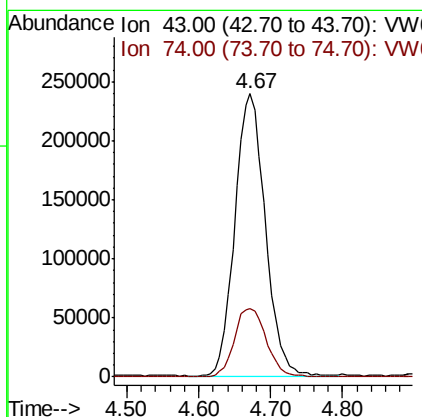
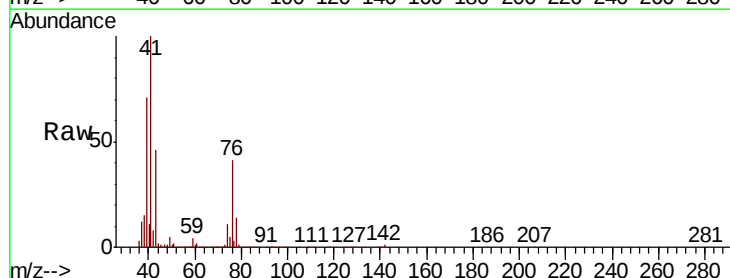
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

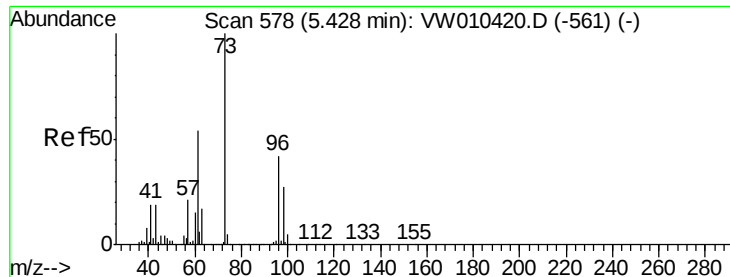
Tgt Ion: 76 Resp: 3297012
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 137.114 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 43 Resp: 700774
Ion Ratio Lower Upper
43 100
74 25.5 21.2 31.8



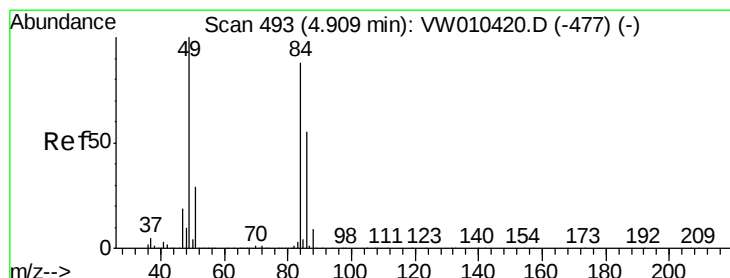
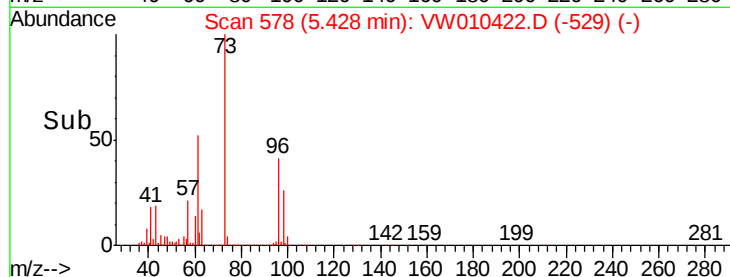
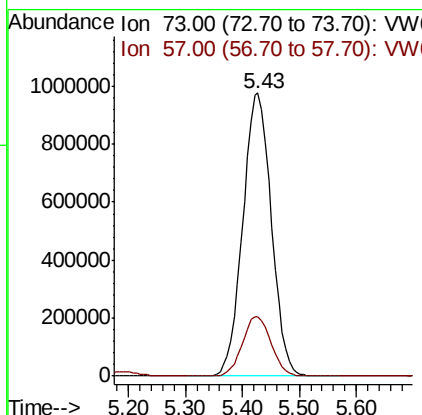
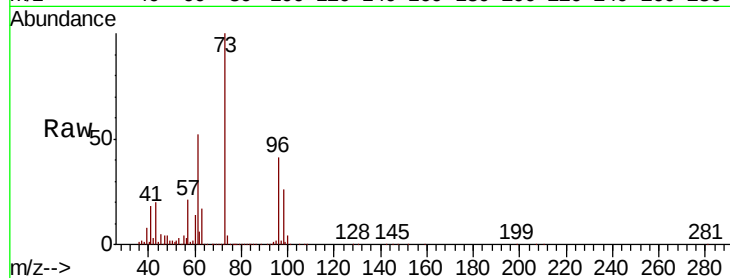


#19

Methyl tert-butyl Ether
 Concen: 246.563 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

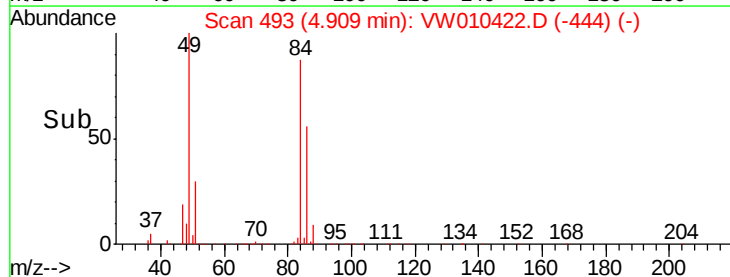
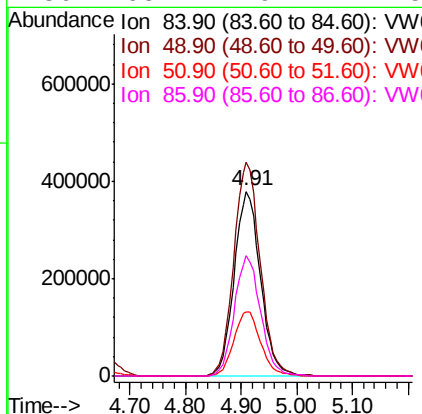
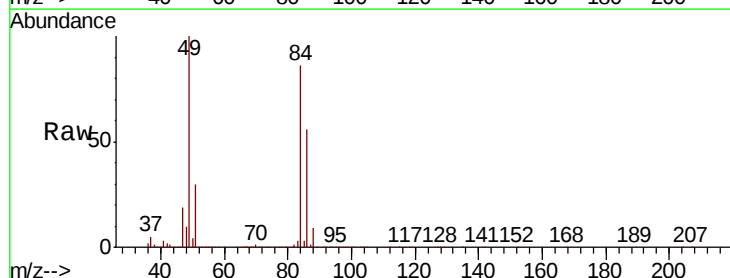
Tgt Ion: 73 Resp: 3398788
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.0 25.4

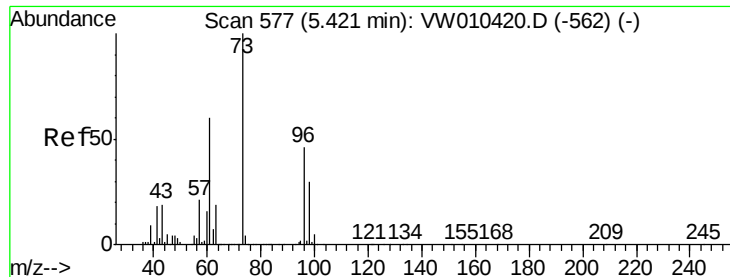


#20

Methylene Chloride
 Concen: 132.576 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 84 Resp: 1239912
 Ion Ratio Lower Upper
 84 100
 49 115.8 90.6 135.8
 51 34.8 26.6 40.0
 86 65.2 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 145.403 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

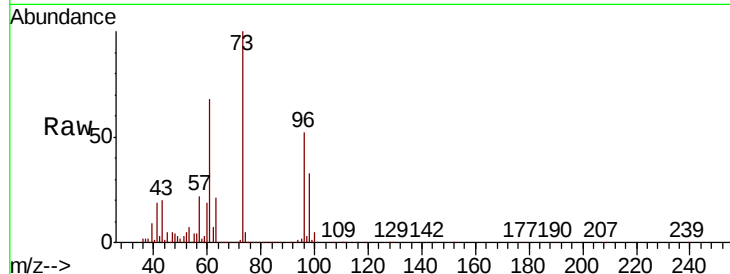
Tgt Ion: 96 Resp: 1365507

Ion Ratio Lower Upper

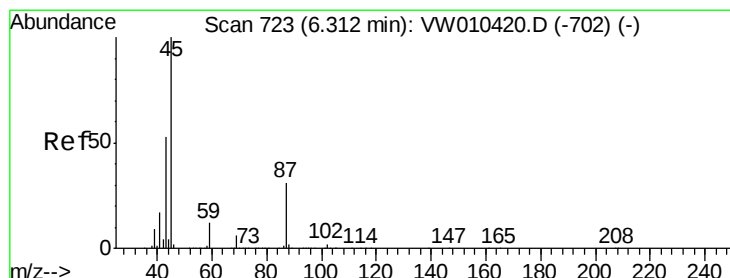
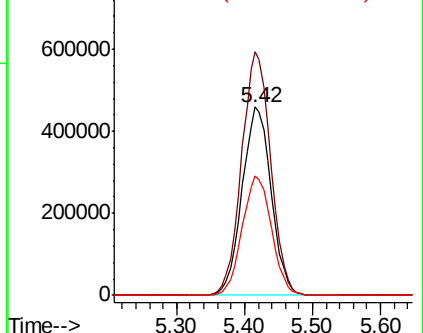
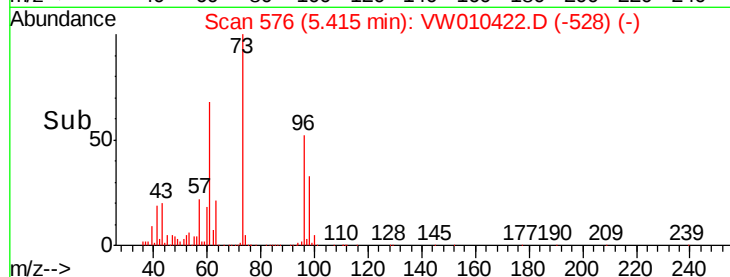
96 100

61 129.2 103.9 155.9

98 63.3 51.5 77.3



Abundance Ion 95.90 (95.60 to 96.60): VW
800000 Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 155.272 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion: 45 Resp: 4044931

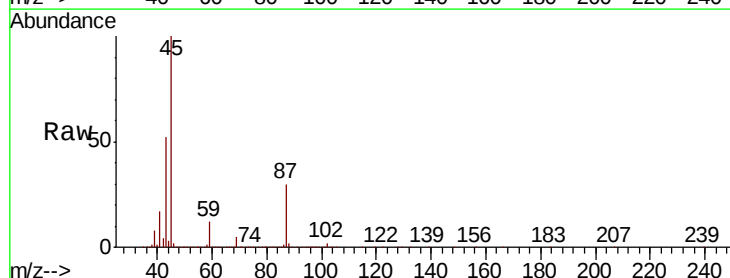
Ion Ratio Lower Upper

45 100

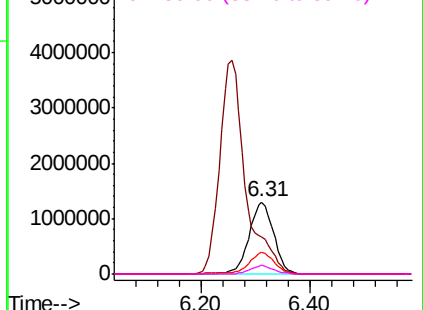
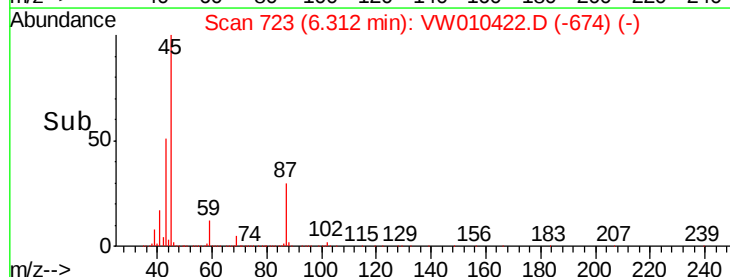
43 51.5 42.0 63.0

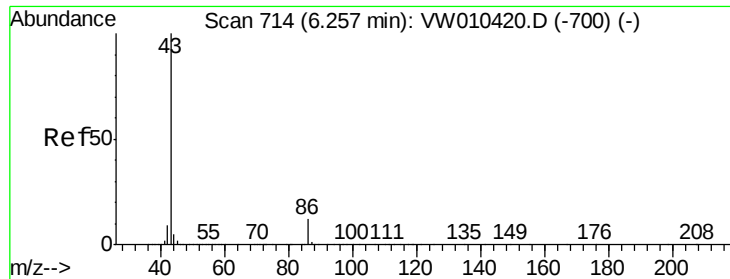
87 29.9 25.0 37.6

59 11.8 9.7 14.5



Abundance Ion 45.00 (44.70 to 45.70): VW
6000000 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: 717.333 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

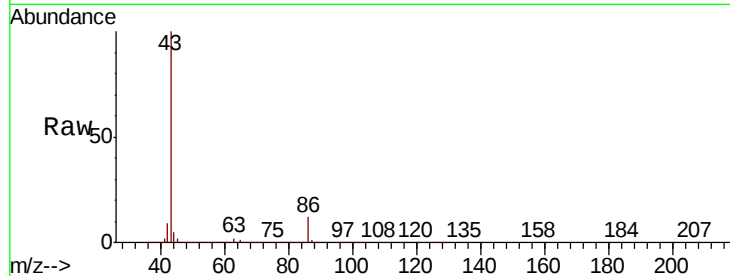
VSTDIC150

Tgt Ion: 43 Resp:12721039

Ion Ratio Lower Upper

43 100

86 11.9 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

4000000

3000000

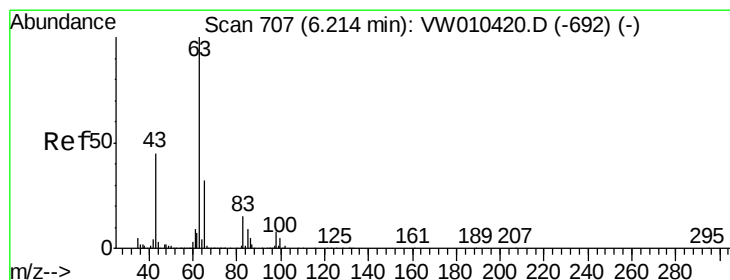
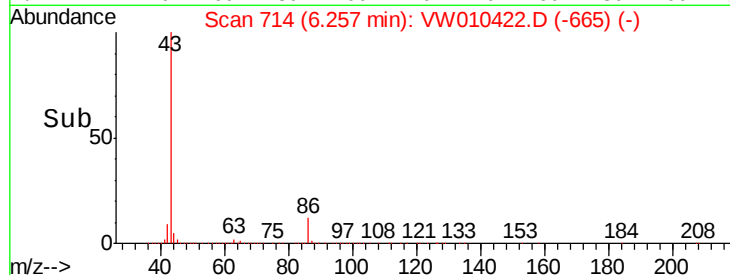
2000000

1000000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 144.012 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

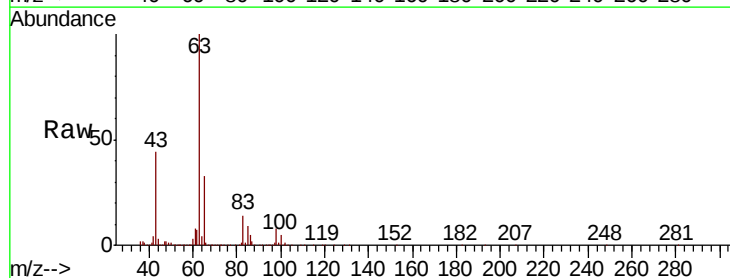
Tgt Ion: 63 Resp: 2287817

Ion Ratio Lower Upper

63 100

98 7.6 4.0 12.0

100 4.9 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

1000000

800000

600000

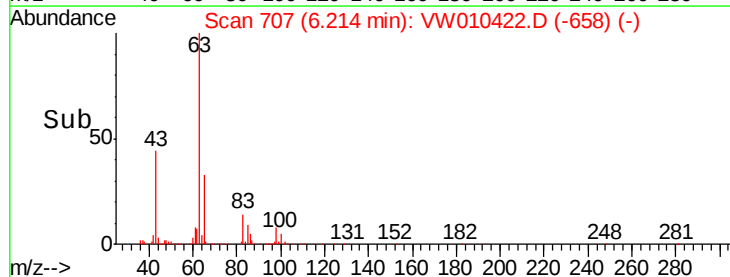
400000

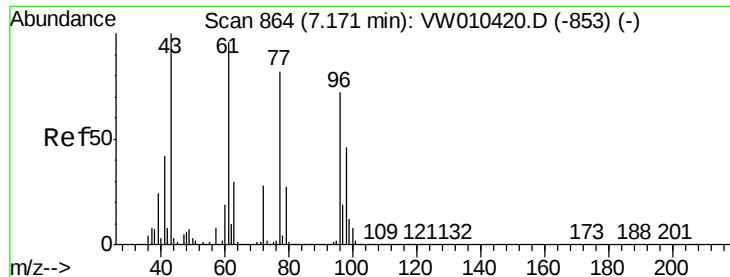
200000

0

6.00 6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 667.418 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

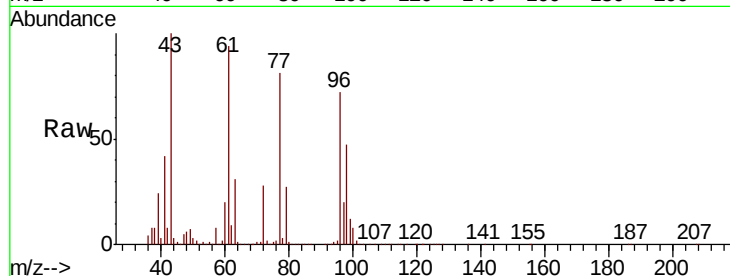
VSTDIC150

Tgt Ion: 43 Resp: 2000803

Ion Ratio Lower Upper

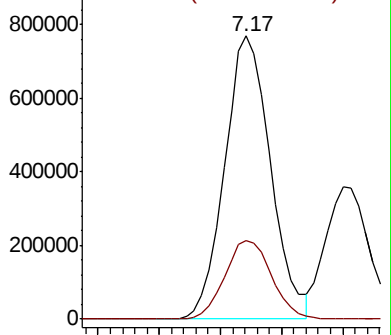
43 100

72 27.7 22.6 33.8

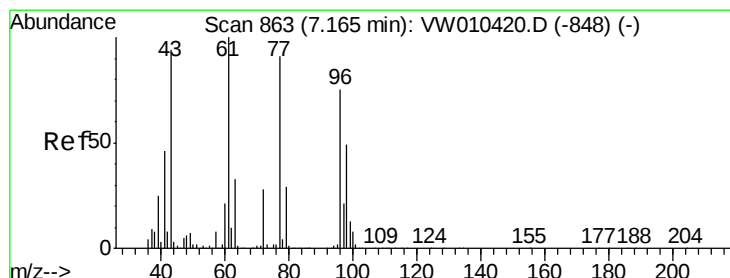
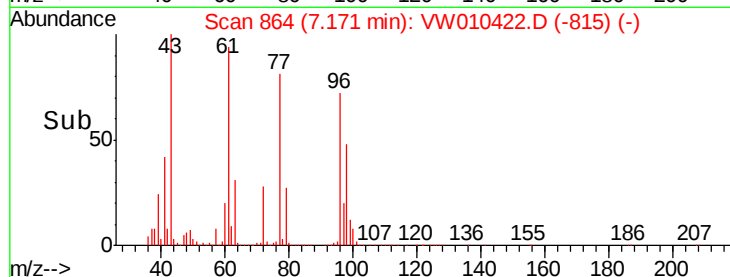


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 213.764 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010422.D

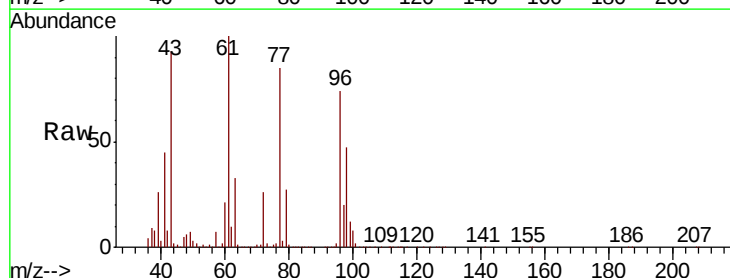
Acq: 17 May 2019 19:16

Tgt Ion: 77 Resp: 1932941

Ion Ratio Lower Upper

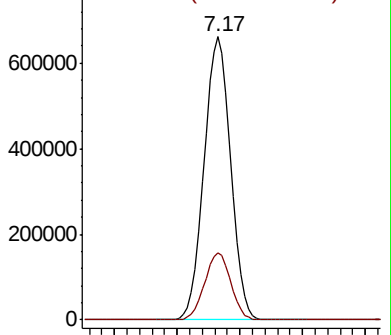
77 100

97 23.4 11.7 35.1

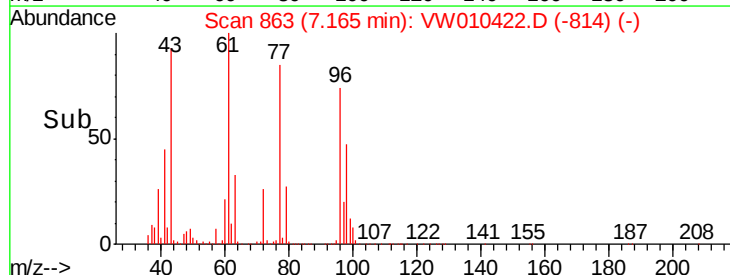


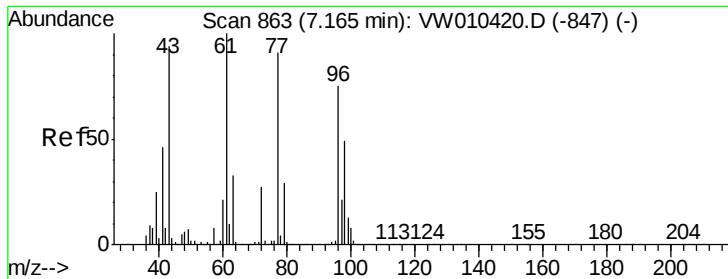
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



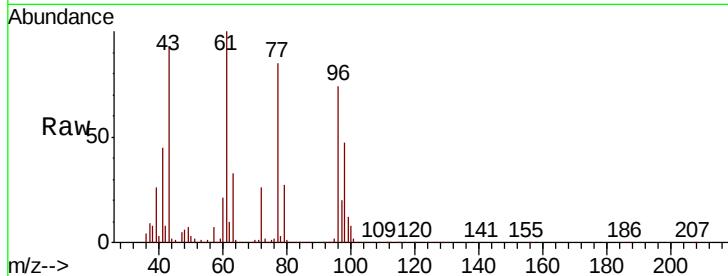


#27

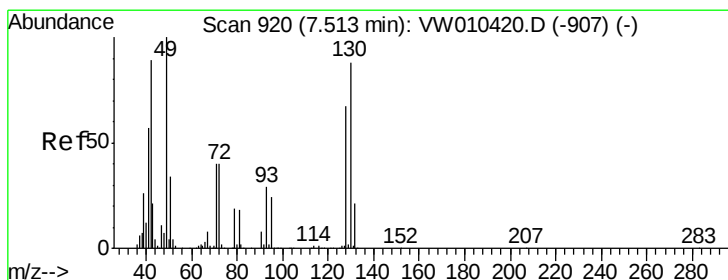
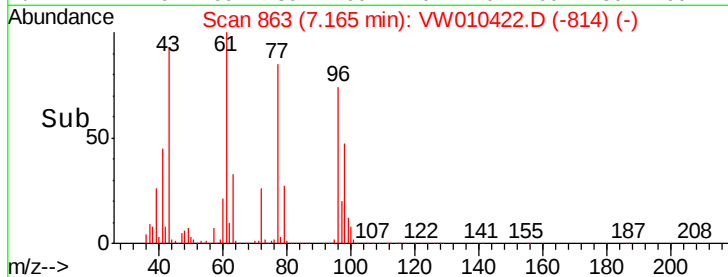
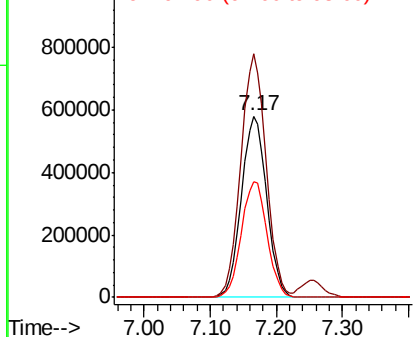
cis-1,2-Dichloroethene
Concen: 141.835 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 1536987
Ion Ratio Lower Upper
96 100
61 134.4 0.0 266.4
98 64.7 0.0 129.6



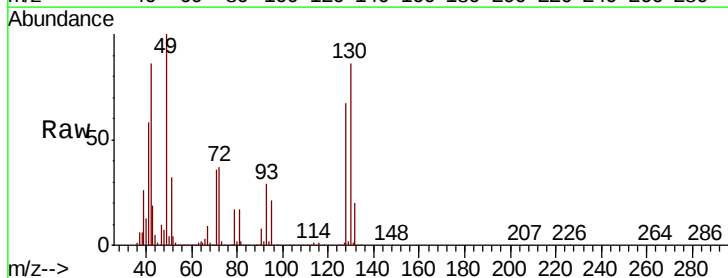
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



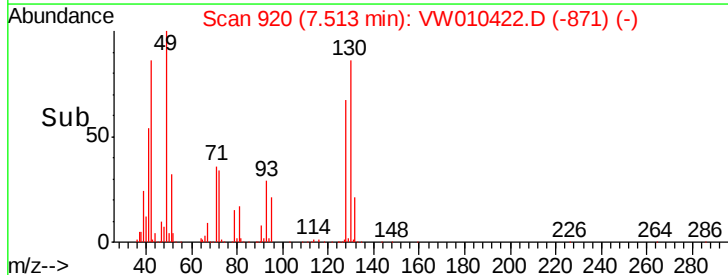
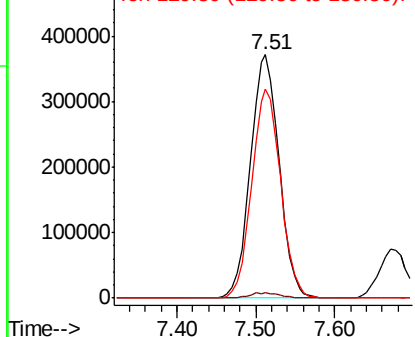
#28

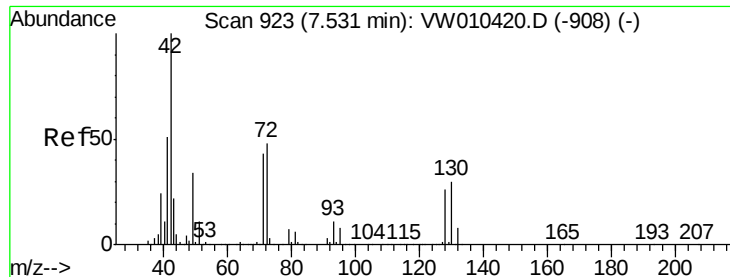
Bromochloromethane
Concen: 142.918 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 49 Resp: 941718
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.6
130 85.8 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

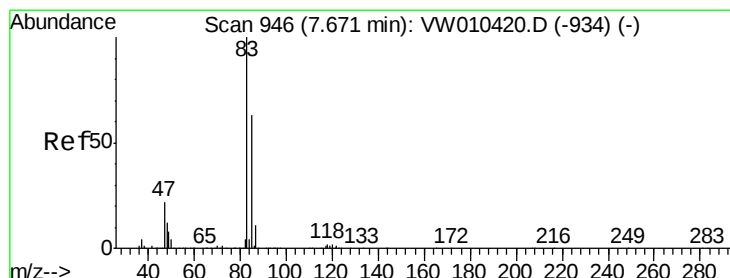
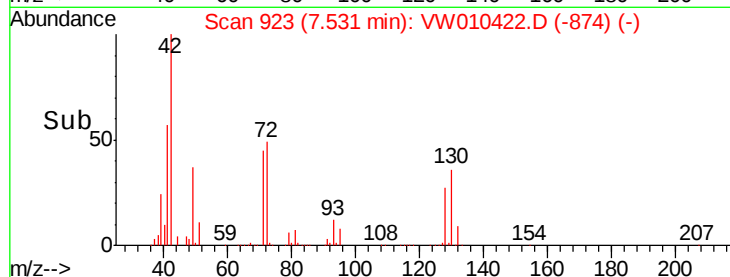
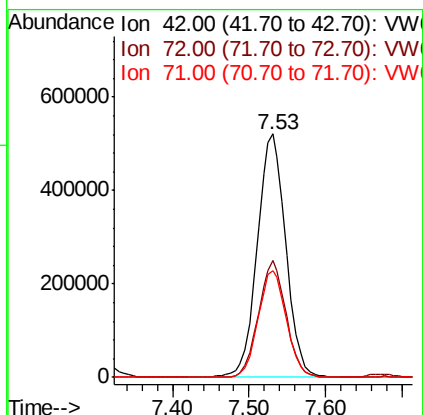
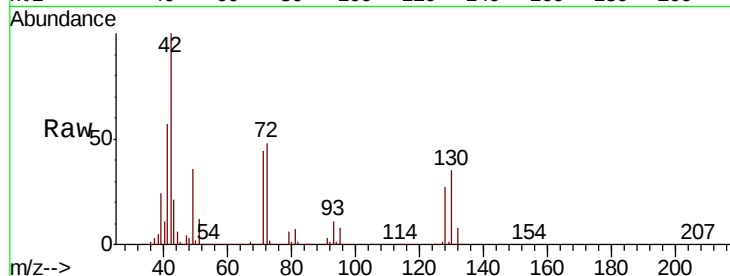




#29
Tetrahydrofuran
Concen: 672.571 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

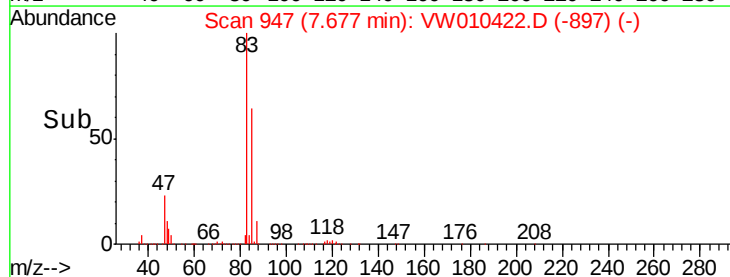
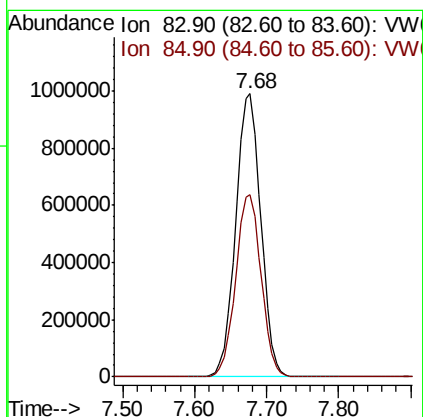
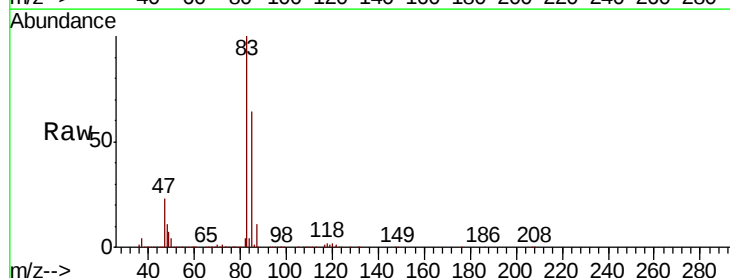
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

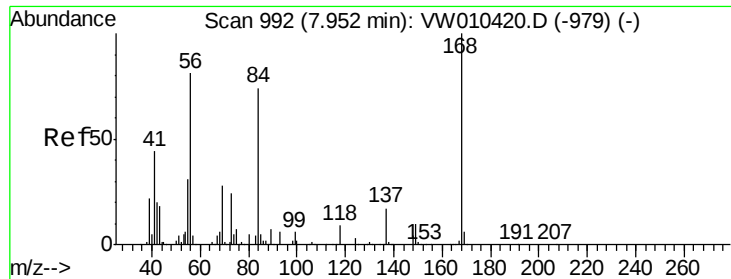
Tgt Ion: 42 Resp: 1350640
Ion Ratio Lower Upper
42 100
72 46.3 38.2 57.2
71 43.3 36.0 54.0



#30
Chloroform
Concen: 143.119 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 83 Resp: 2388784
Ion Ratio Lower Upper
83 100
85 64.4 50.8 76.2

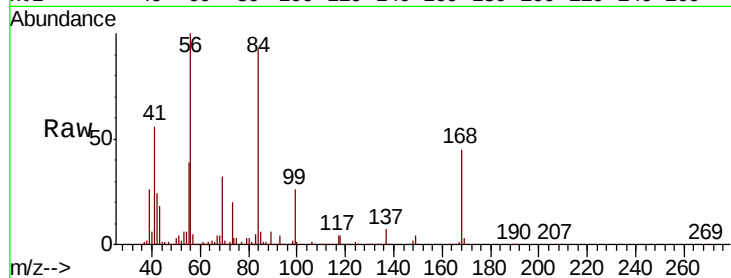




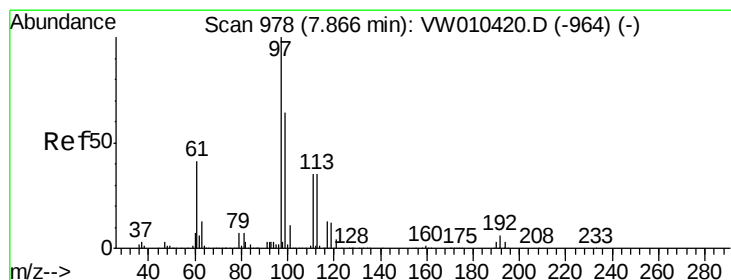
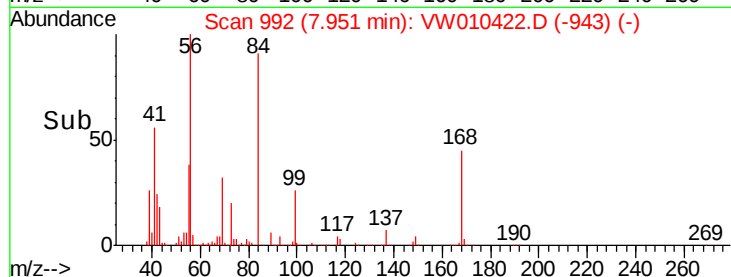
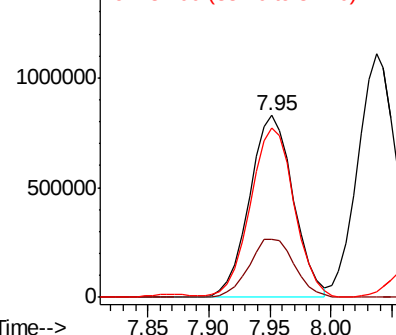
#31
Cyclohexane
Concen: 133.705 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 2065664
Ion Ratio Lower Upper
56 100
69 32.2 27.6 41.4
84 91.2 72.9 109.3

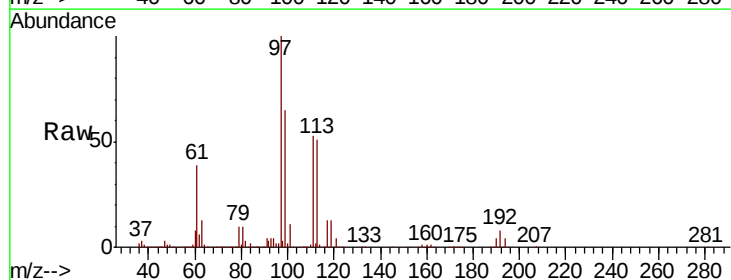


Abundance Ion 56.00 (55.70 to 56.70): VW
1500000 Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

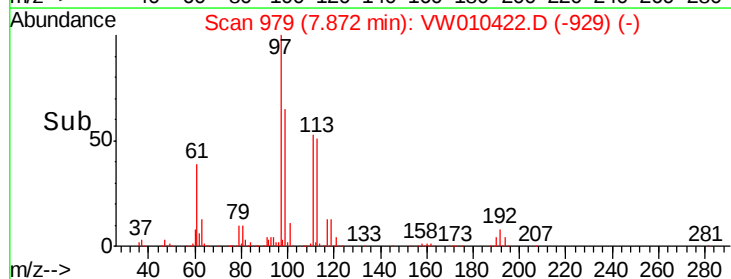
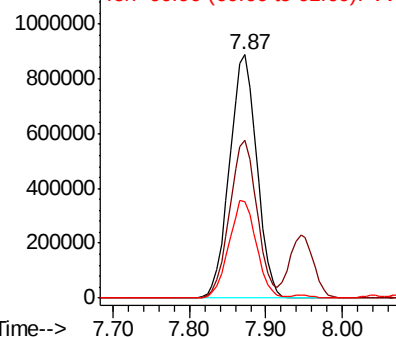


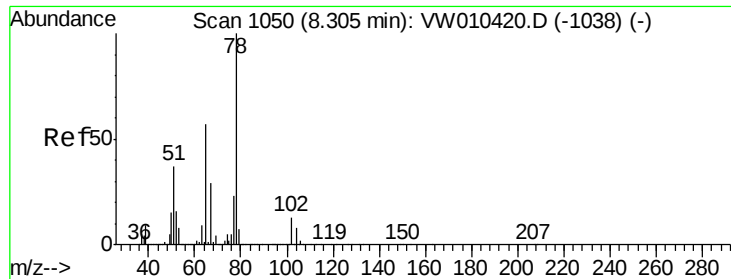
#32
1,1,1-Trichloroethane
Concen: 163.887 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 97 Resp: 2205655
Ion Ratio Lower Upper
97 100
99 65.4 51.4 77.2
61 40.3 32.0 48.0



Abundance Ion 96.90 (96.60 to 97.60): VW
1200000 Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

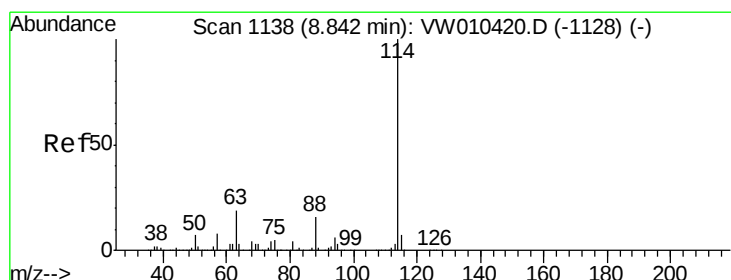
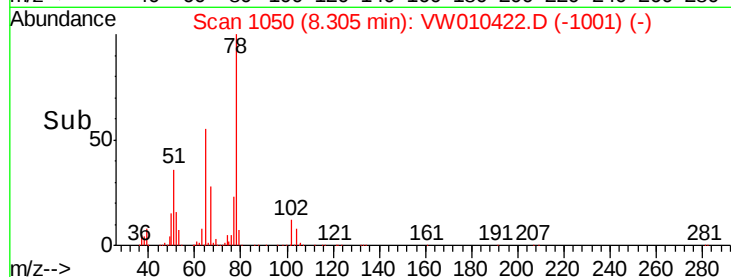
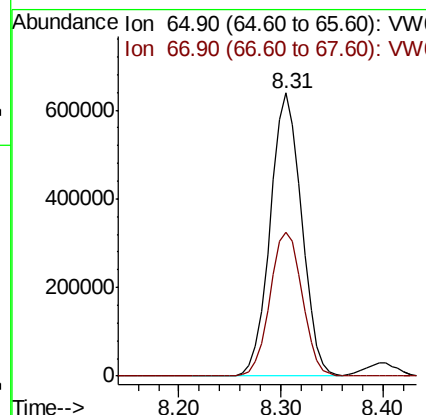
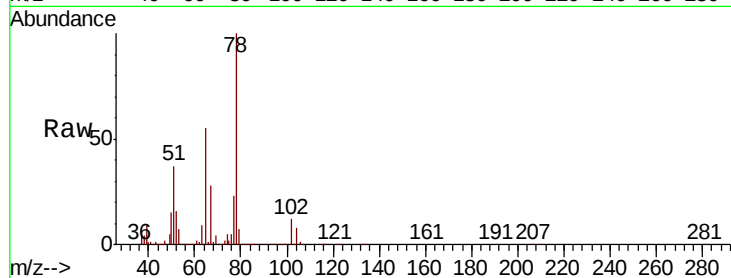




#33
 1,2-Dichloroethane-d4
 Concen: 152.236 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

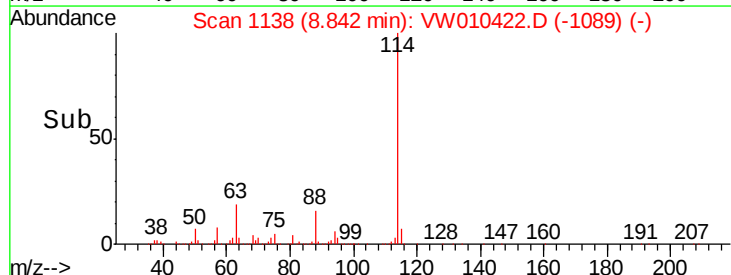
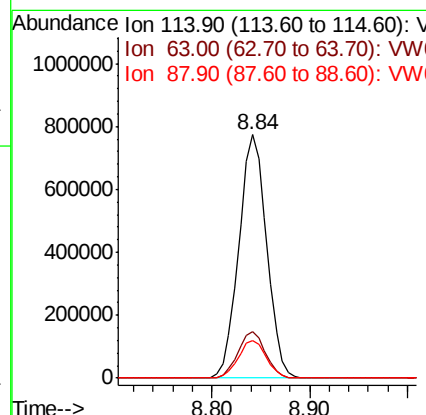
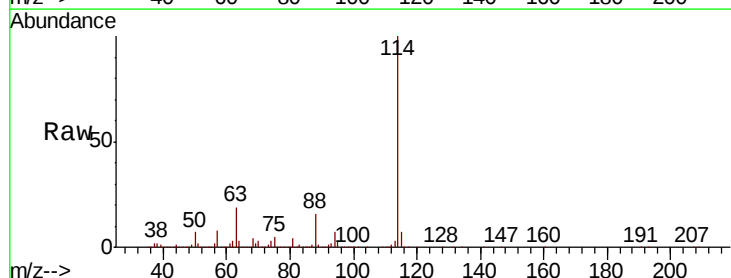
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

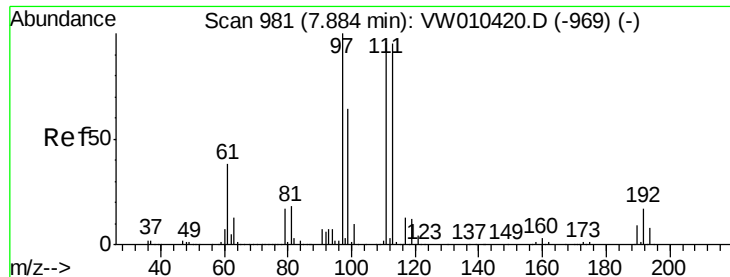
Tgt Ion: 65 Resp: 1358672
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 114 Resp: 1526877
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 149.169 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

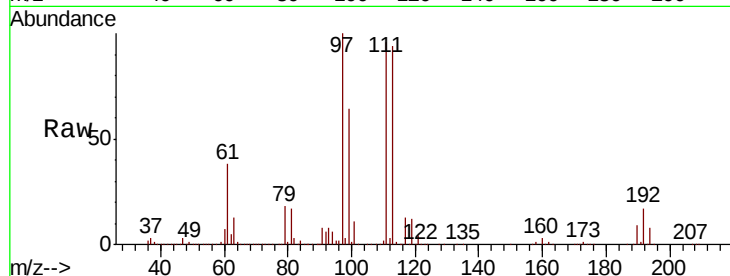
Tgt Ion:113 Resp: 1356778

Ion Ratio Lower Upper

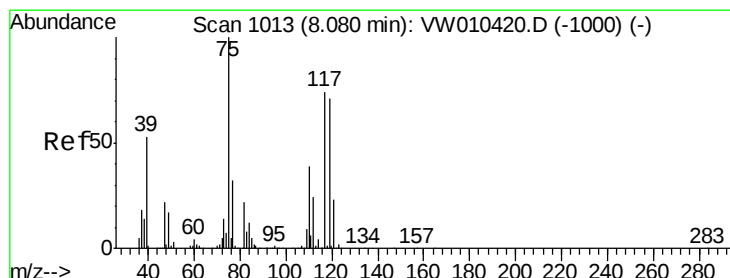
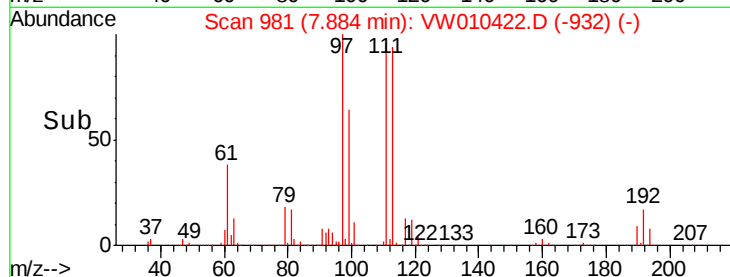
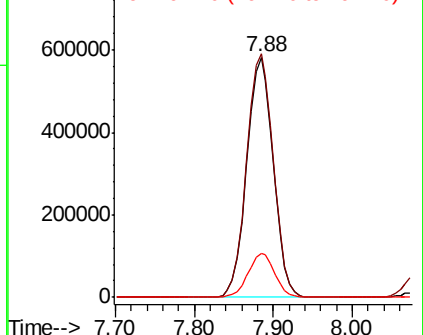
113 100

111 102.6 82.5 123.7

192 18.5 14.2 21.4



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



#36

1,1-Dichloropropene

Concen: 137.460 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

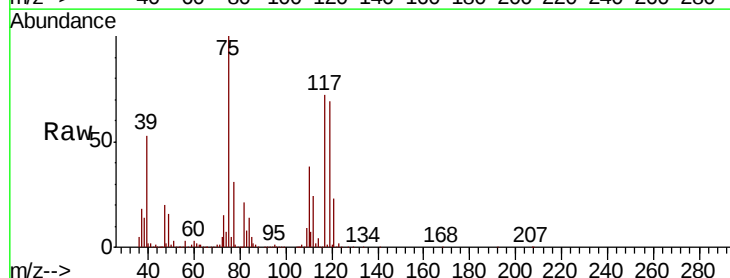
Tgt Ion: 75 Resp: 1806009

Ion Ratio Lower Upper

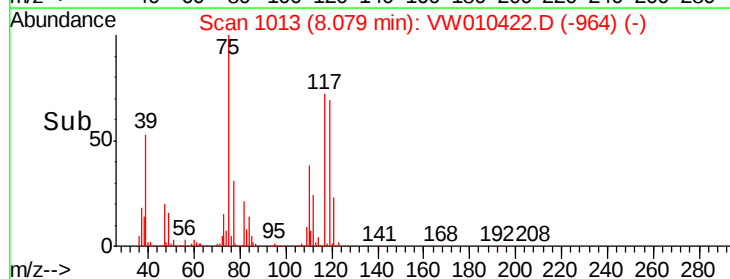
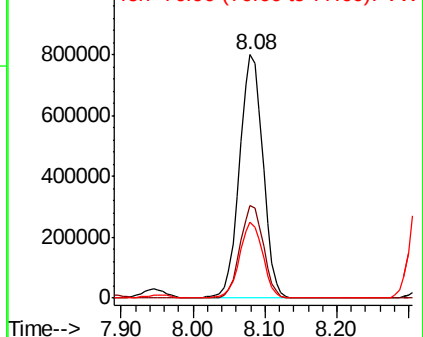
75 100

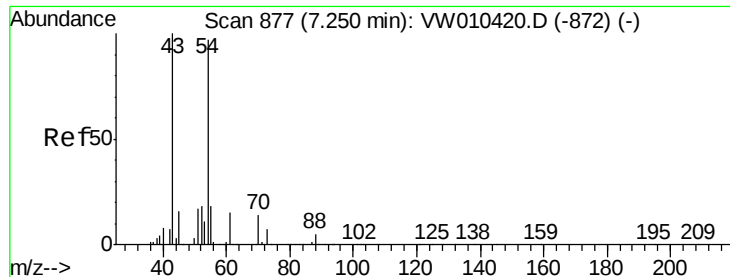
110 37.7 19.4 58.1

77 31.0 24.7 37.1



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

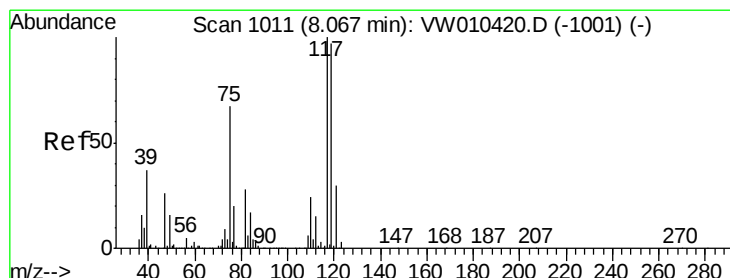
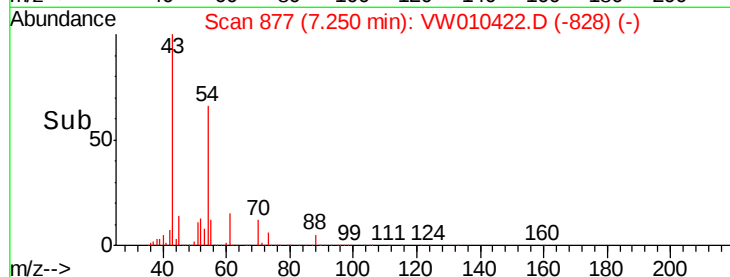
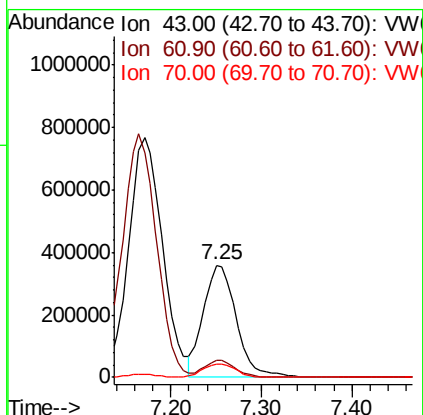
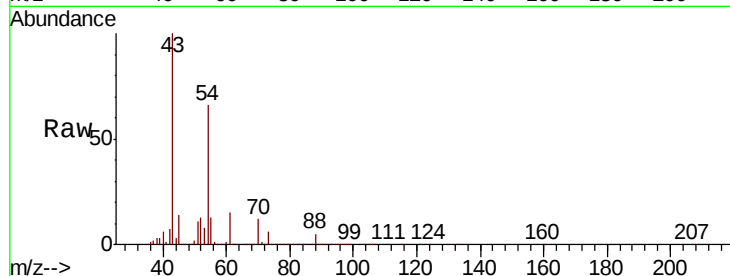




#37
Ethyl Acetate
Concen: 137.539 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

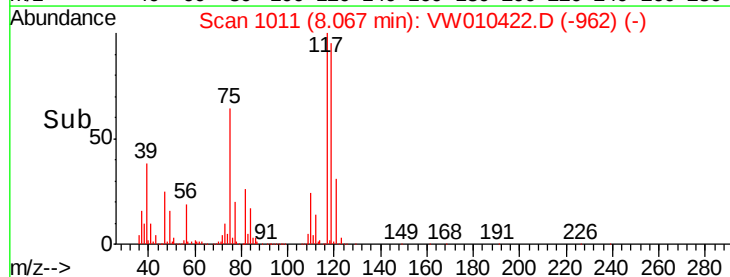
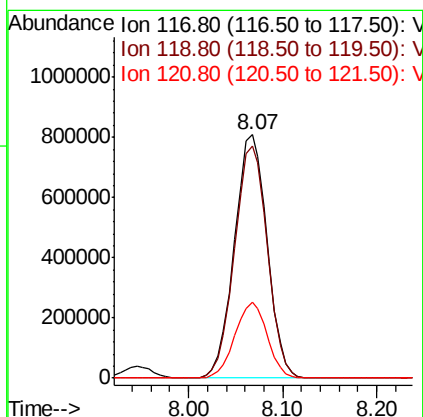
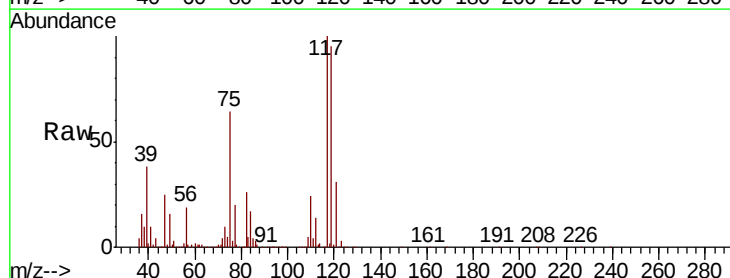
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

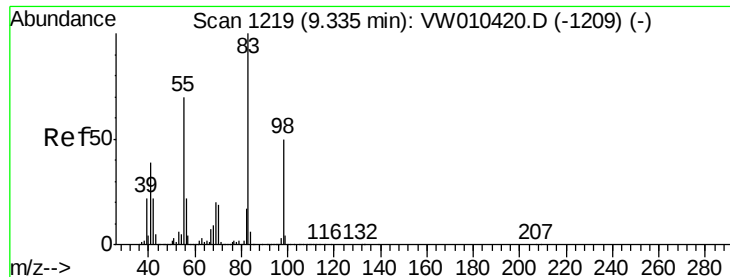
Tgt Ion: 43 Resp: 906085
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 12.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 145.534 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 117 Resp: 1961034
Ion Ratio Lower Upper
117 100
119 95.2 77.8 116.6
121 31.1 24.2 36.2

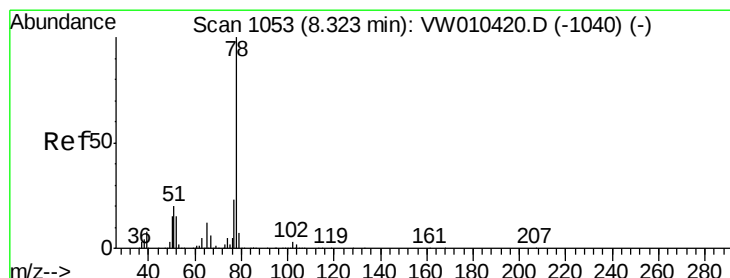
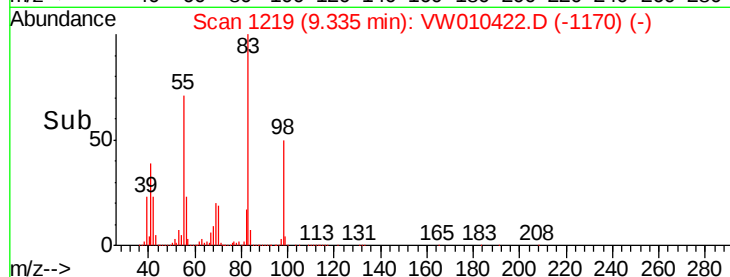
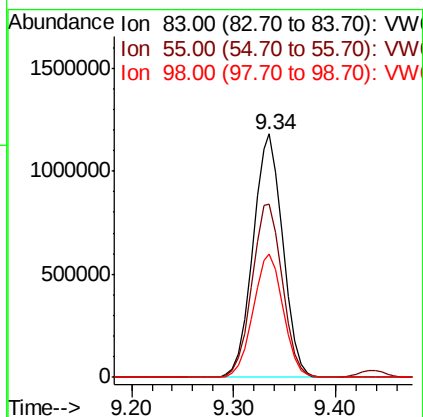
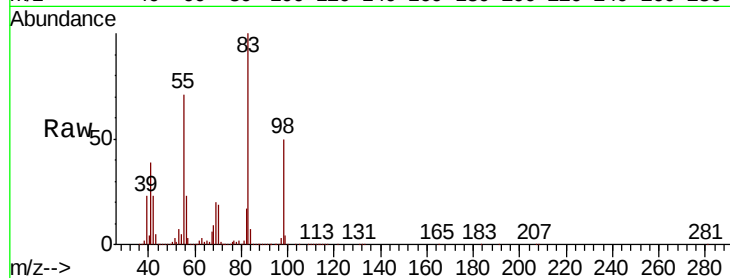




#39
Methylcyclohexane
Concen: 137.607 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

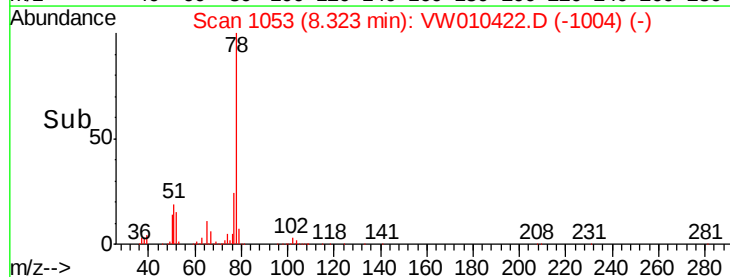
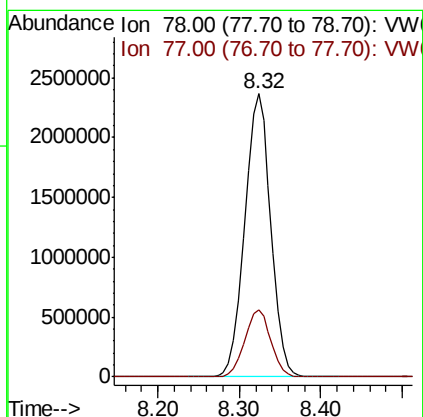
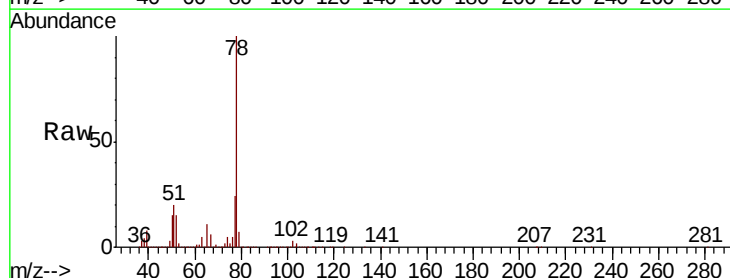
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

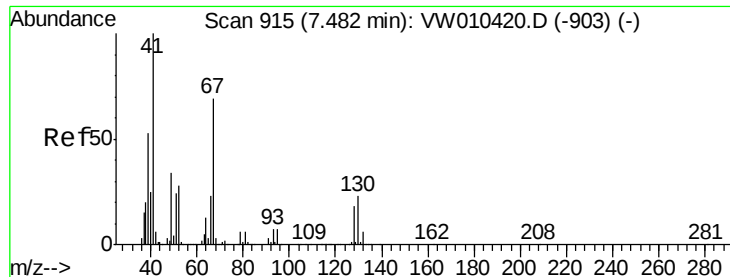
Tgt Ion: 83 Resp: 2394995
Ion Ratio Lower Upper
83 100
55 71.2 55.7 83.5
98 50.4 40.2 60.4



#40
Benzene
Concen: 136.823 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 78 Resp: 5229145
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

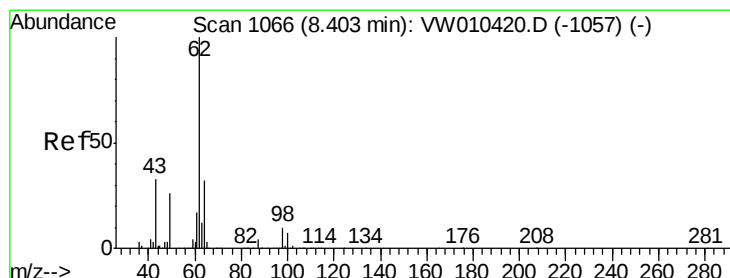
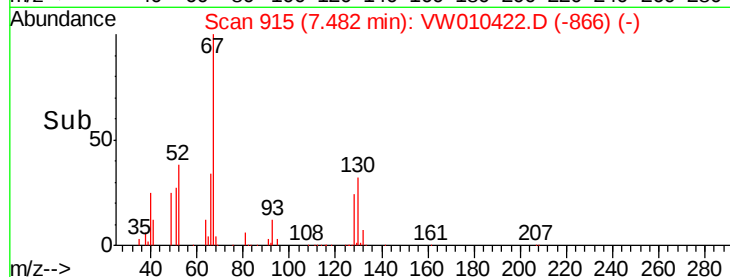
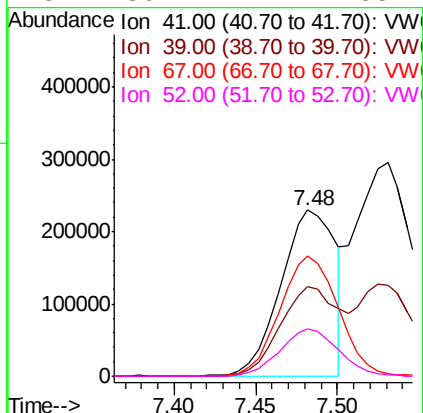
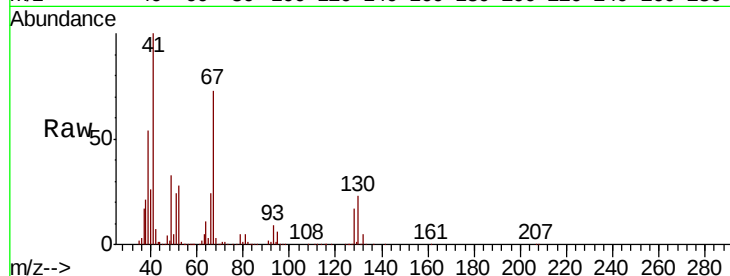




#41
Methacrylonitrile
Concen: 132.299 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

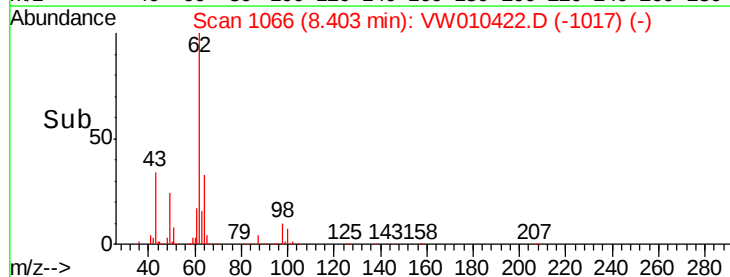
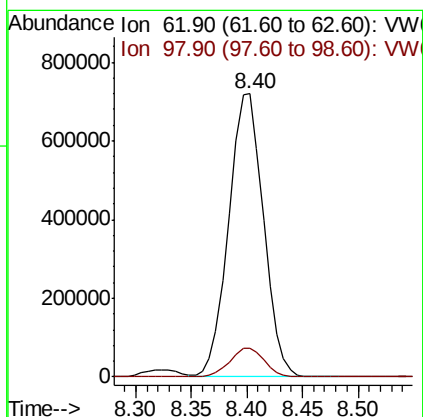
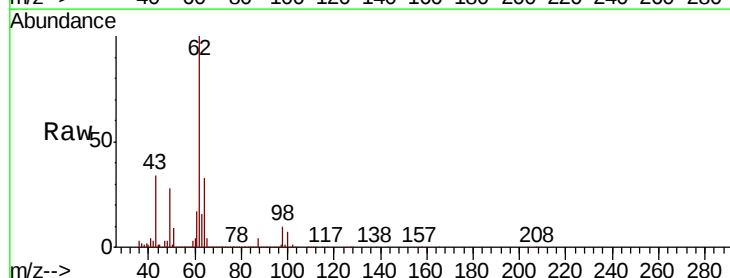
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

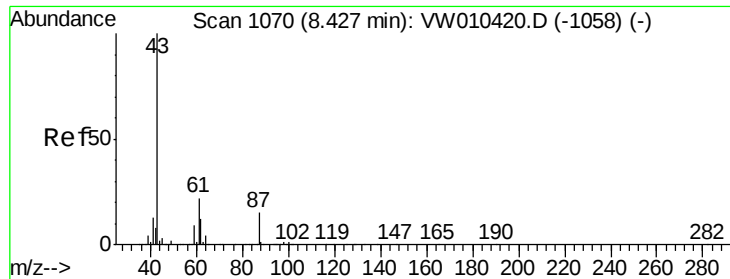
Tgt Ion:	41	Resp:	529549
Ion	Ratio	Lower	Upper
41	100		
39	59.5	38.1	57.1#
67	77.9	55.5	83.3
52	30.7	22.1	33.1



#42
1,2-Dichloroethane
Concen: 139.926 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion:	62	Resp:	1559378
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 137.449 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

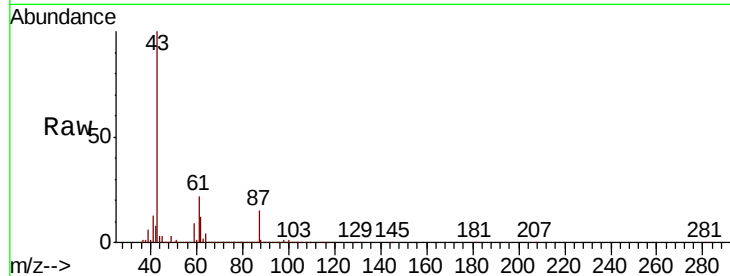
Tgt Ion: 43 Resp: 1865510

Ion Ratio Lower Upper

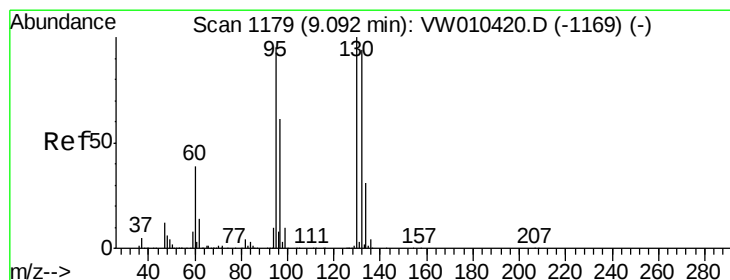
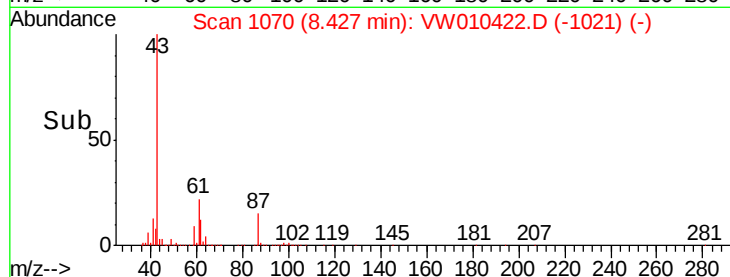
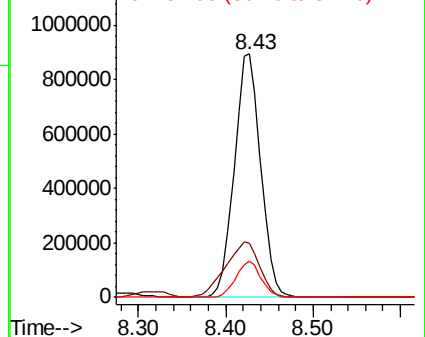
43 100

61 29.8 24.4 36.6

87 14.5 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: 139.904 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010422.D

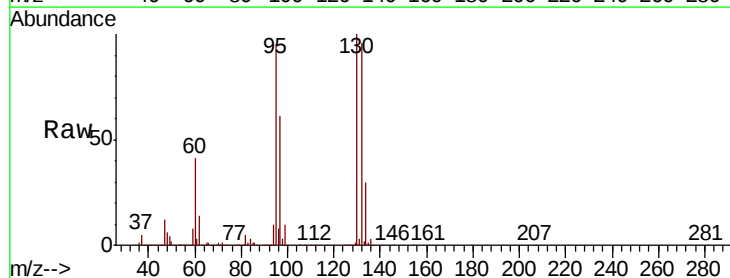
Acq: 17 May 2019 19:16

Tgt Ion: 130 Resp: 1527061

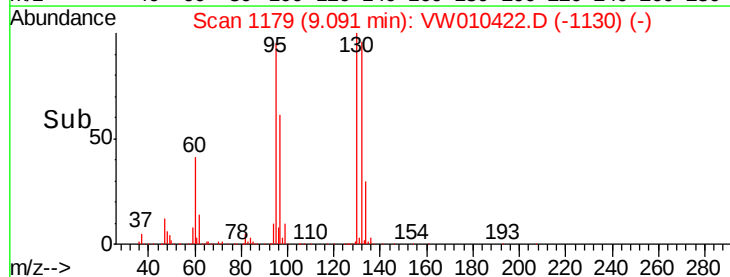
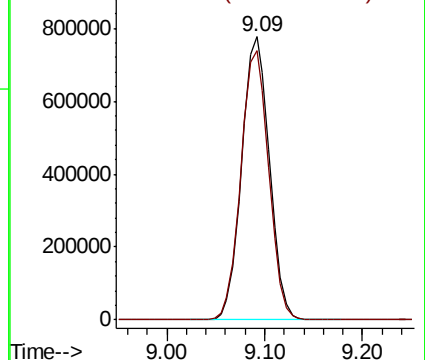
Ion Ratio Lower Upper

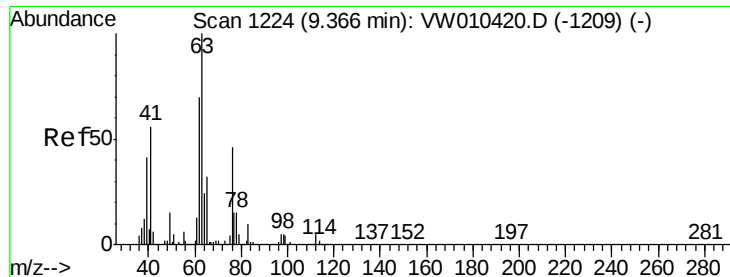
130 100

95 95.2 0.0 190.4



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

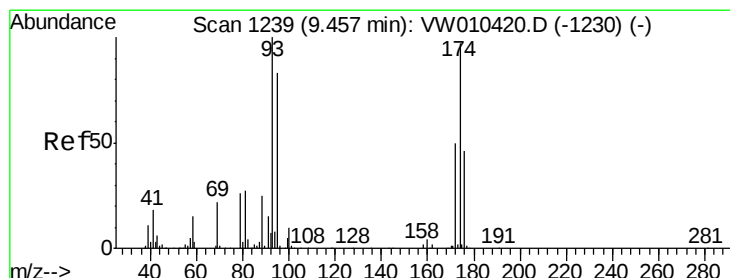
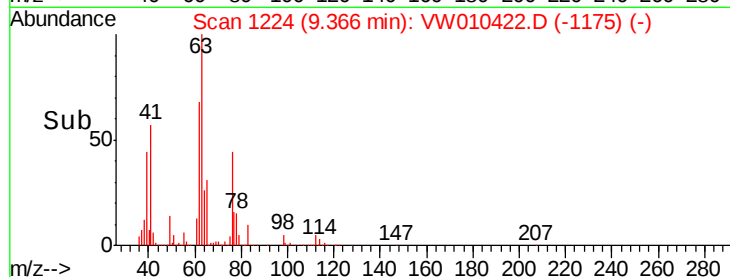
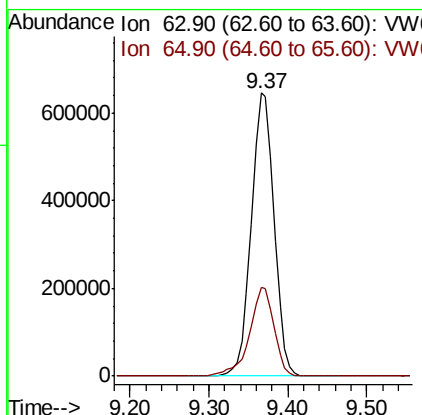
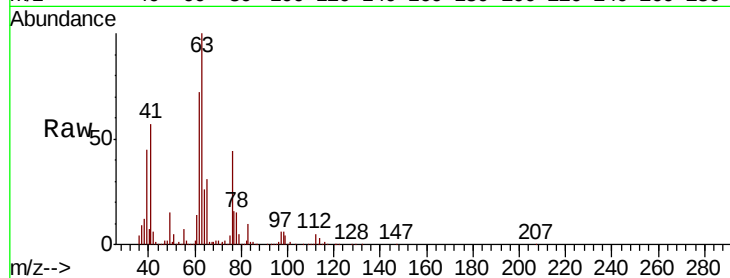




#45
 1,2-Dichloropropane
 Concen: 136.890 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

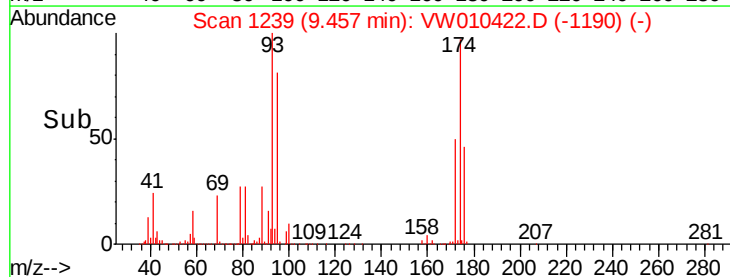
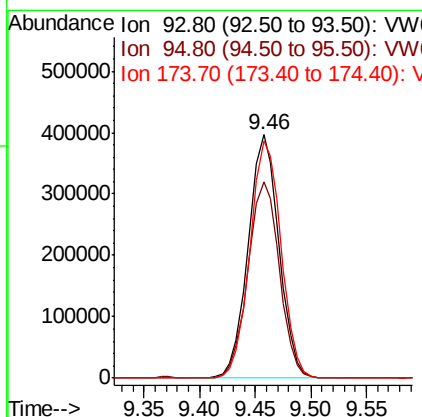
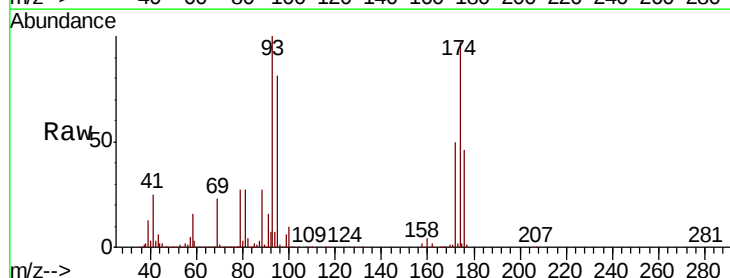
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

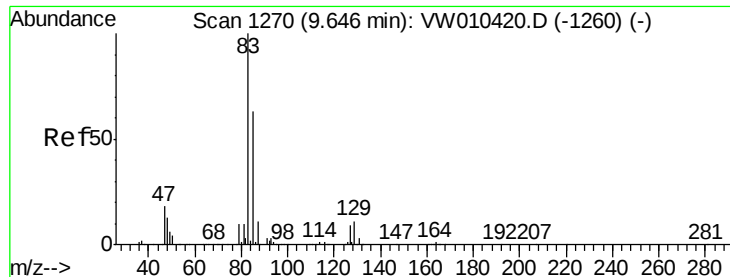
Tgt Ion: 63 Resp: 1297952
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.2



#46
 Dibromomethane
 Concen: 138.094 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 93 Resp: 762424
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 98.7 76.4 114.6





#47

Bromodichloromethane

Concen: 142.118 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

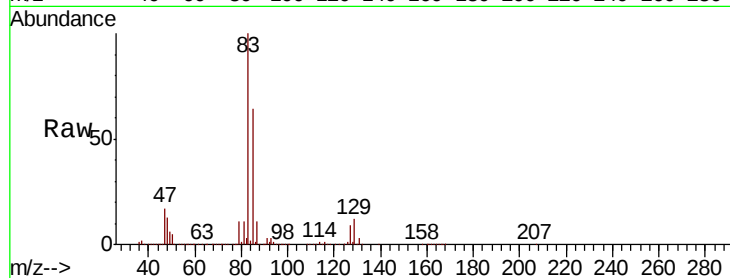
Tgt Ion: 83 Resp: 1924177

Ion Ratio Lower Upper

83 100

85 64.4 50.0 75.0

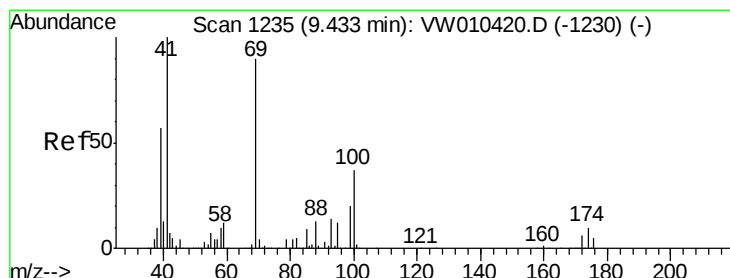
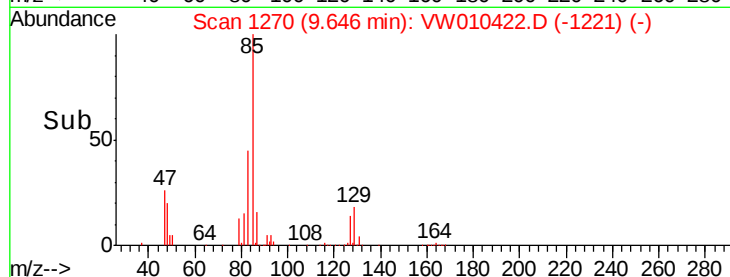
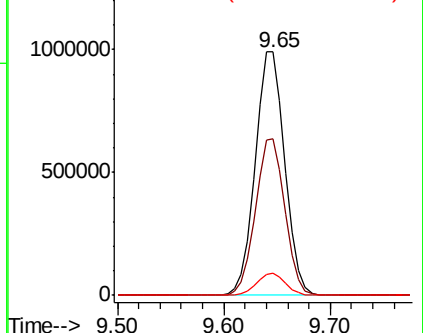
127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 135.734 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

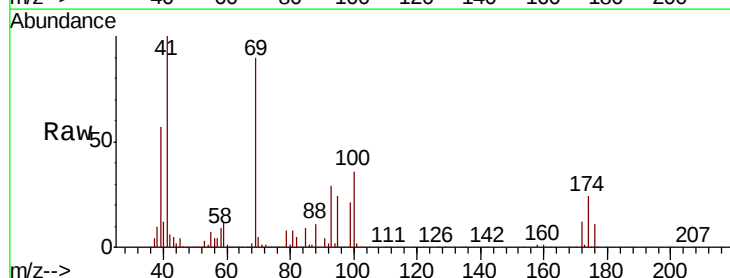
Tgt Ion: 41 Resp: 846734

Ion Ratio Lower Upper

41 100

69 92.7 75.2 112.8

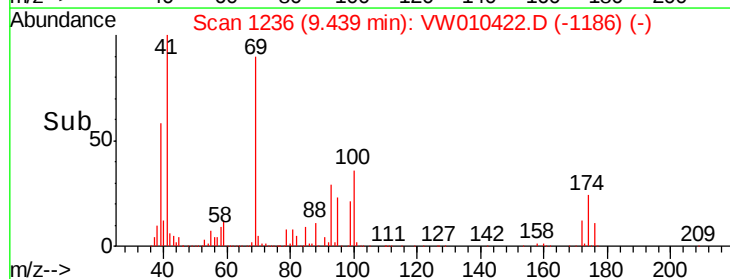
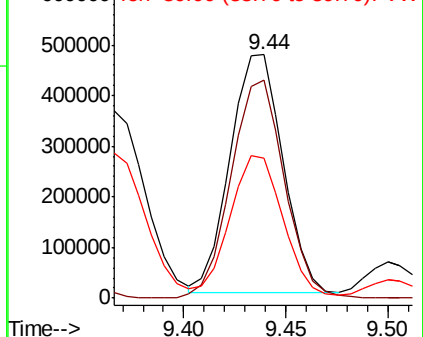
39 60.8 46.8 70.2

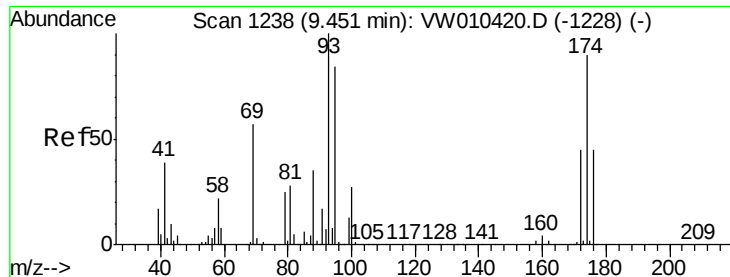


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

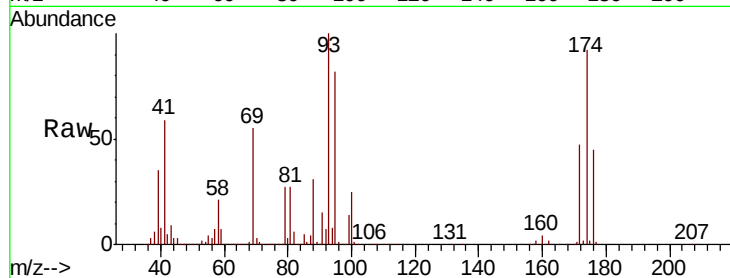




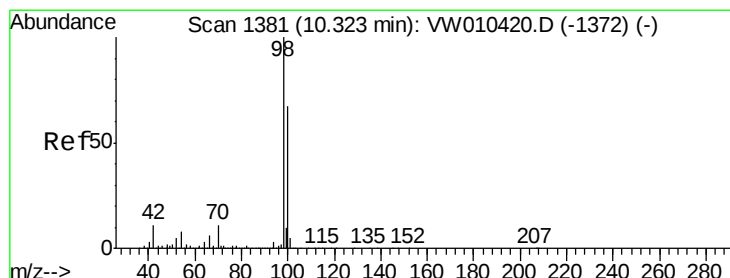
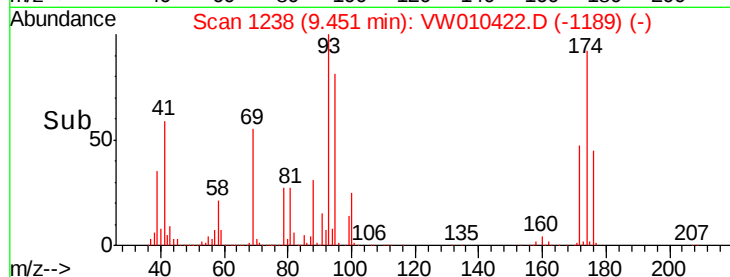
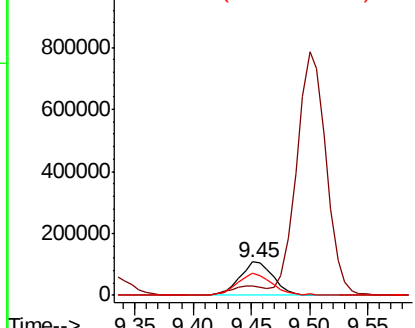
#49
 1,4-Dioxane
 Concen: 2267.773 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 218828
 Ion Ratio Lower Upper
 88 100
 43 28.5 24.9 37.3
 58 68.6 55.0 82.6

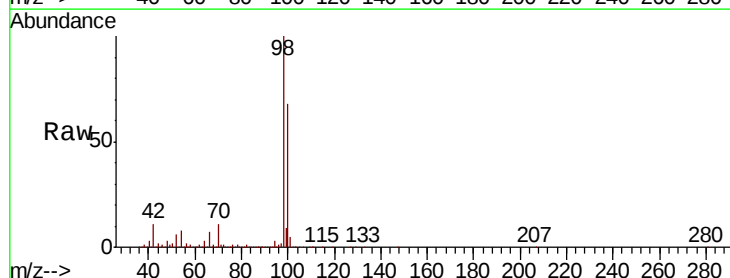


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

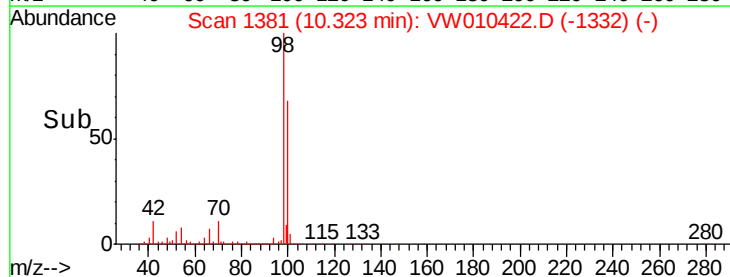
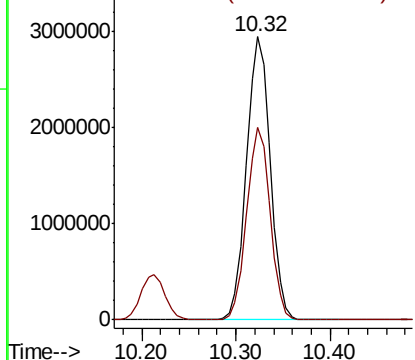


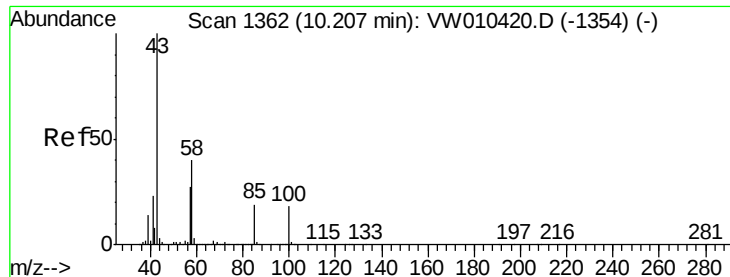
#50
 Toluene-d8
 Concen: 150.900 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 98 Resp: 5195206
 Ion Ratio Lower Upper
 98 100
 100 67.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 679.769 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

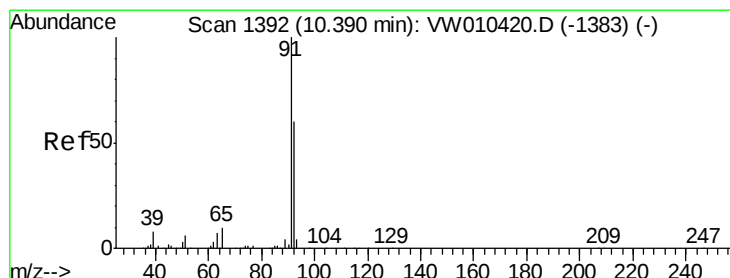
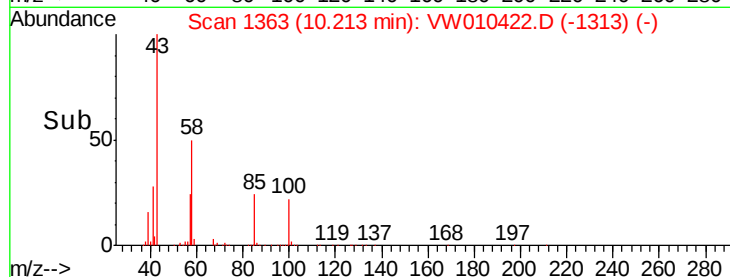
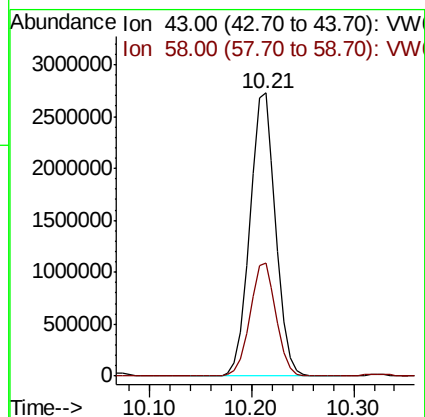
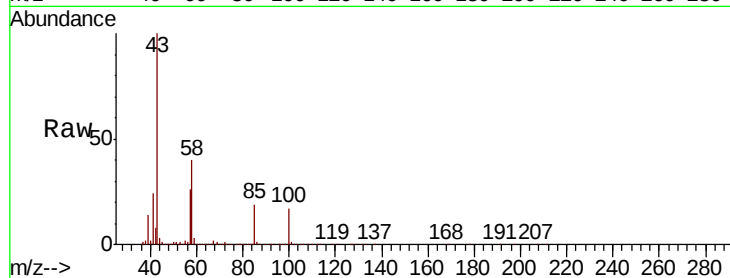
VSTDIC150

Tgt Ion: 43 Resp: 4776282

Ion Ratio Lower Upper

43 100

58 40.4 32.7 49.1



#52

Toluene

Concen: 138.115 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010422.D

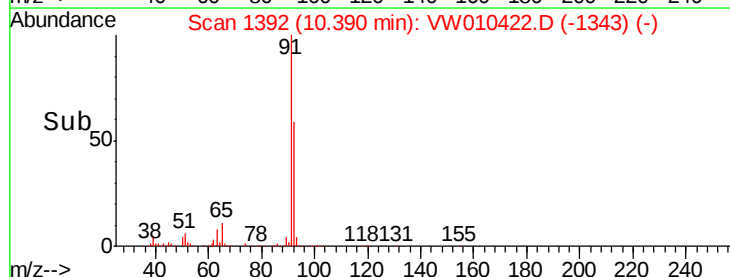
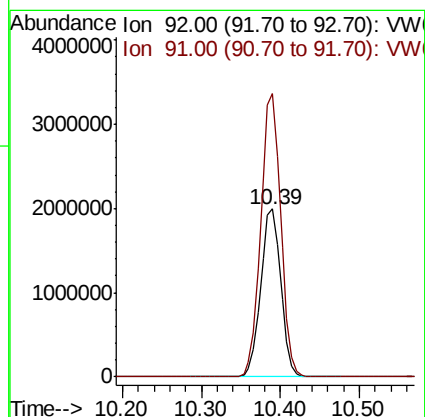
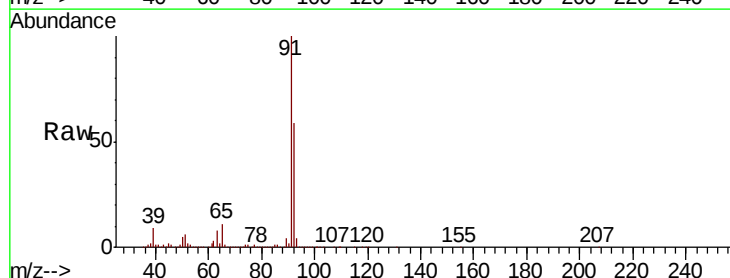
Acq: 17 May 2019 19:16

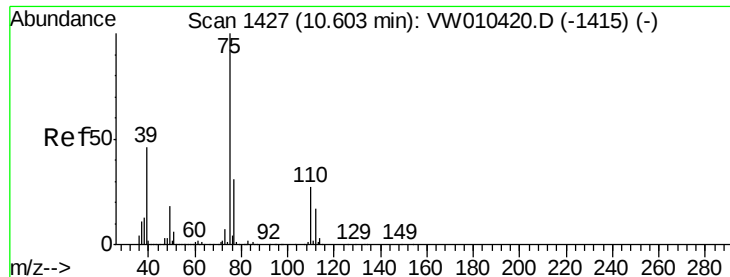
Tgt Ion: 92 Resp: 3517743

Ion Ratio Lower Upper

92 100

91 168.0 135.4 203.0





#53

t-1,3-Dichloropropene

Concen: 138.278 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampled :

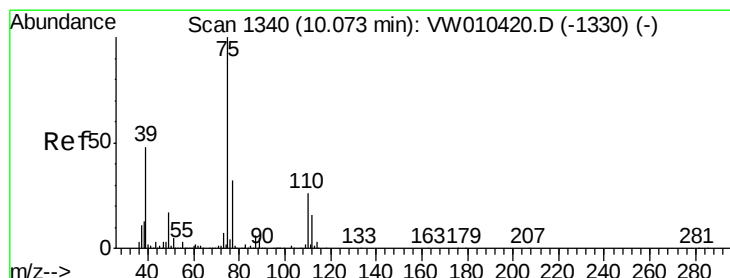
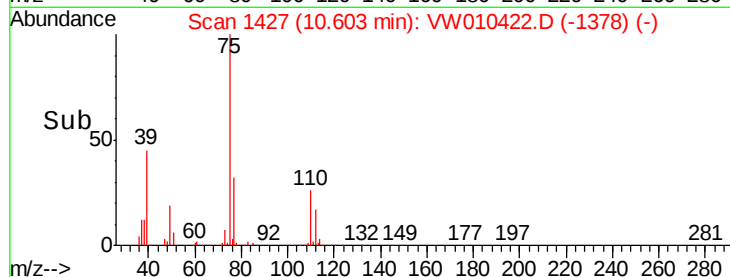
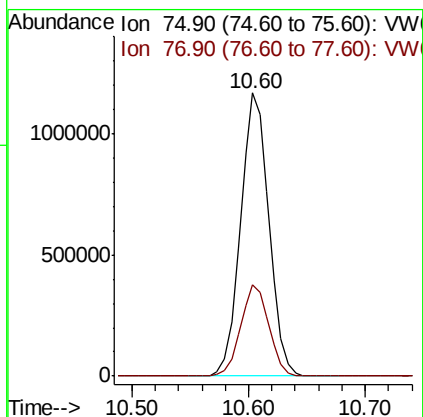
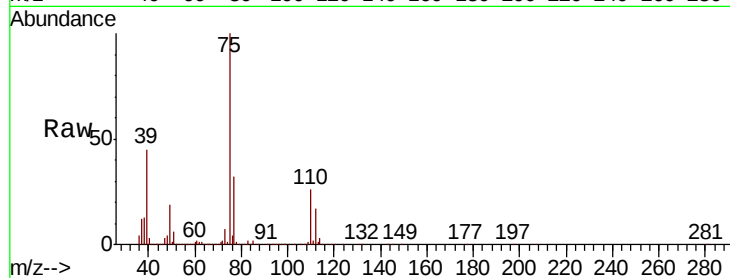
VSTDIC150

Tgt Ion: 75 Resp: 1972058

Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 137.947 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

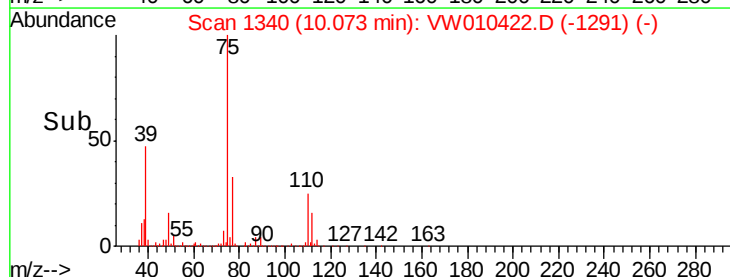
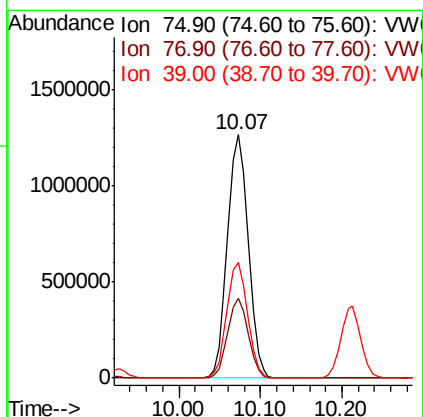
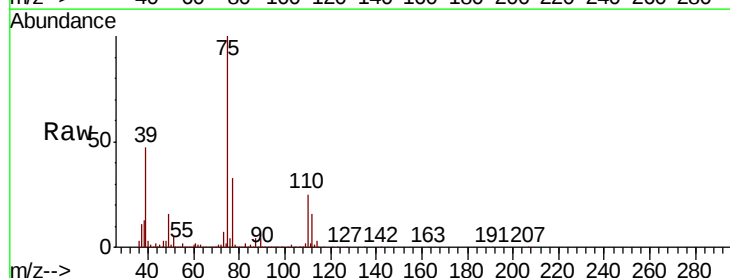
Tgt Ion: 75 Resp: 2224185

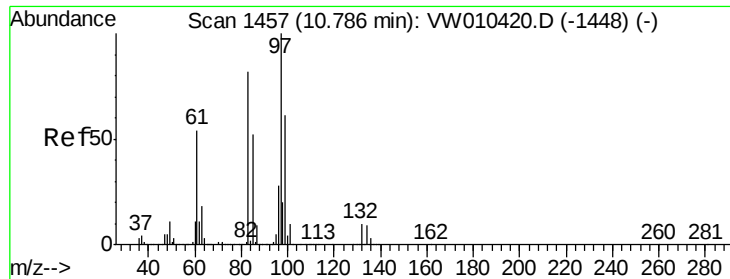
Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8

39 47.3 38.1 57.1

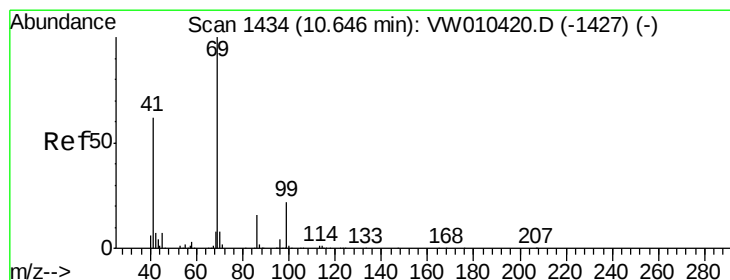
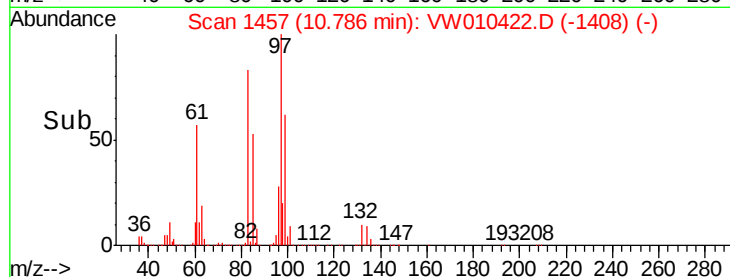
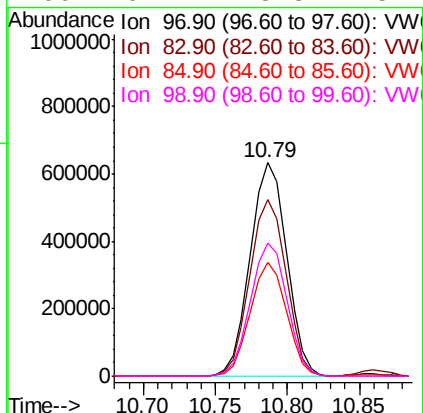
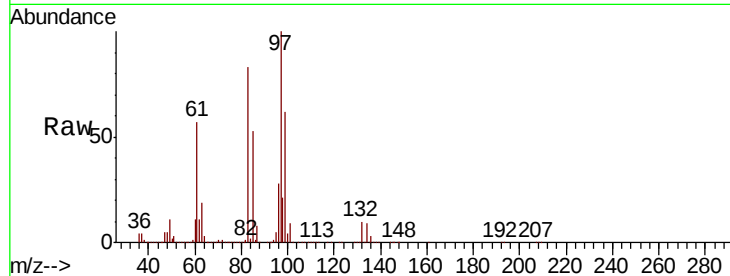




#55
 1,1,2-Trichloroethane
 Concen: 139.281 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

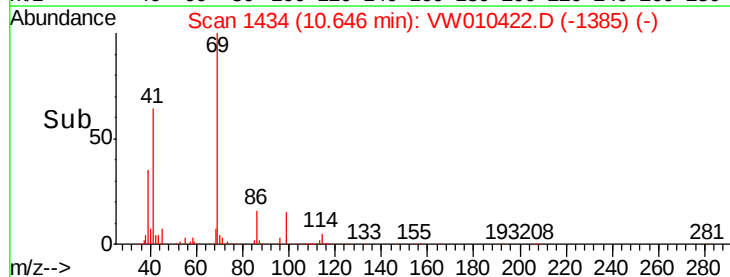
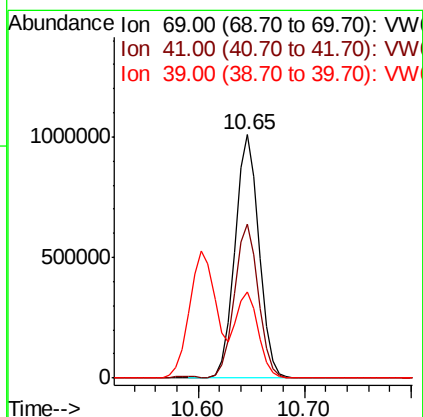
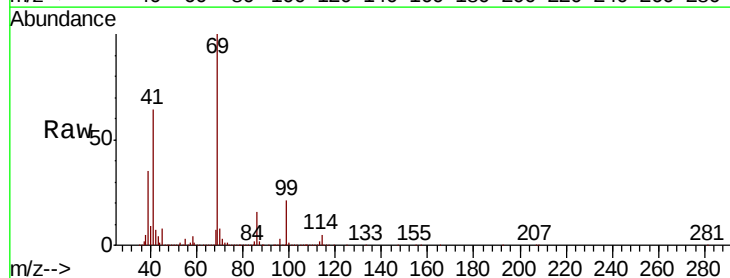
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

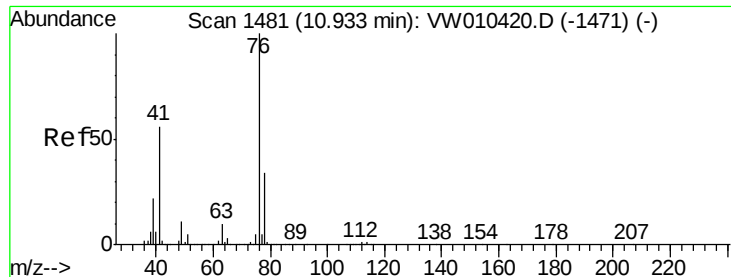
Tgt Ion:	97	Resp:	1111935
Ion	Ratio	Lower	Upper
97	100		
83	82.9	65.6	98.4
85	53.3	41.6	62.4
99	62.1	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 141.013 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion:	69	Resp:	1598483
Ion	Ratio	Lower	Upper
69	100		
41	62.7	50.0	75.0
39	33.0	26.5	39.7

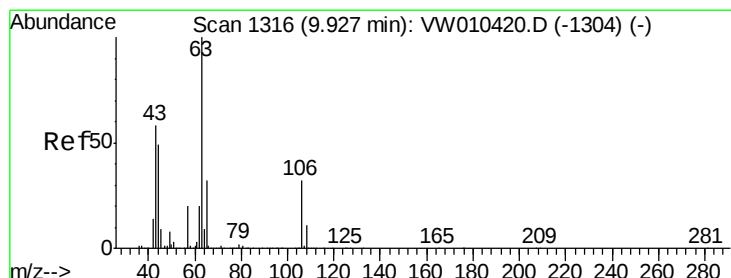
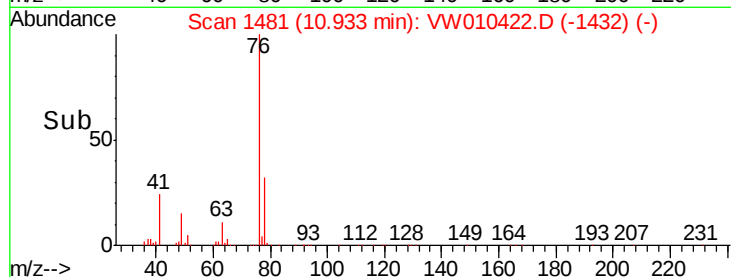
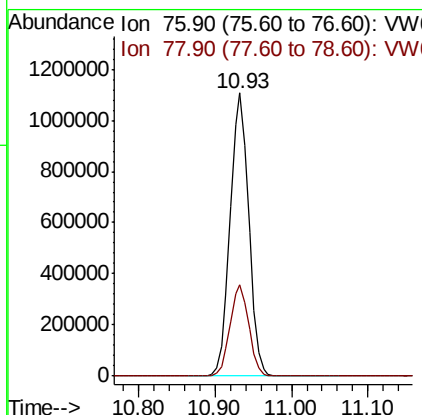
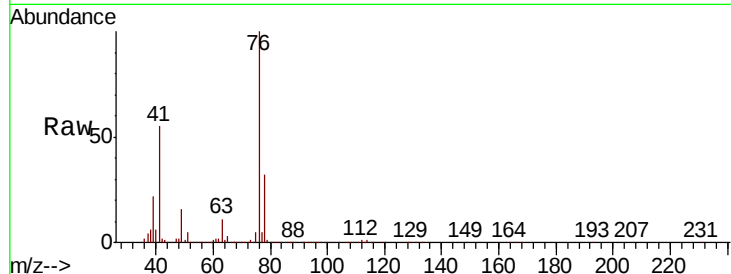




#57
 1,3-Dichloropropane
 Concen: 139.215 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

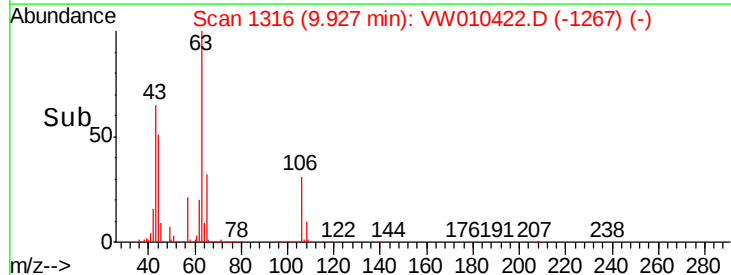
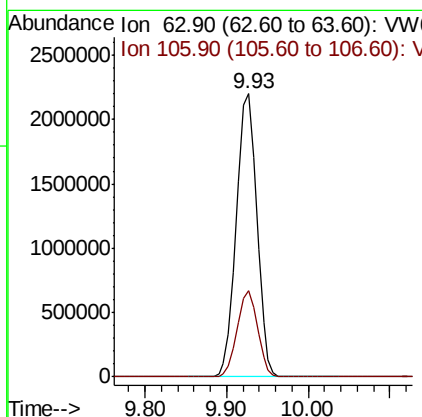
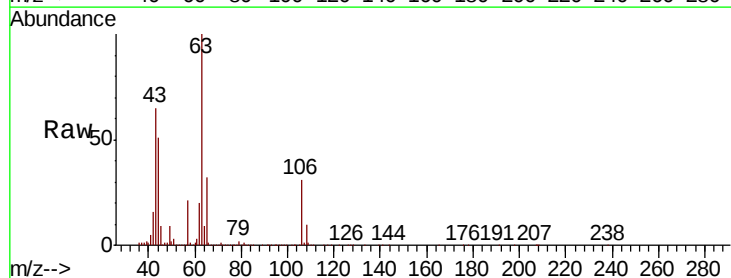
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

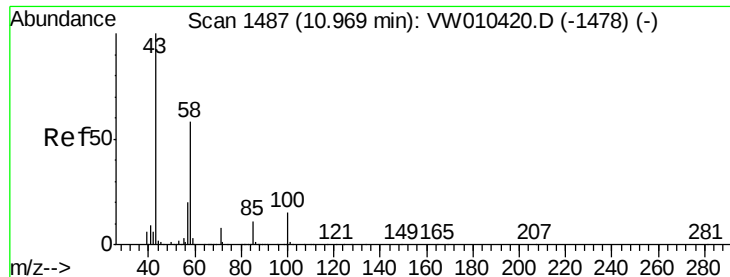
Tgt Ion: 76 Resp: 1858999
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 765.795 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion: 63 Resp: 3804857
 Ion Ratio Lower Upper
 63 100
 106 30.5 25.2 37.8

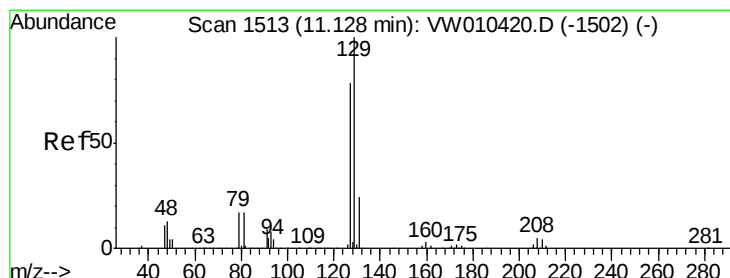
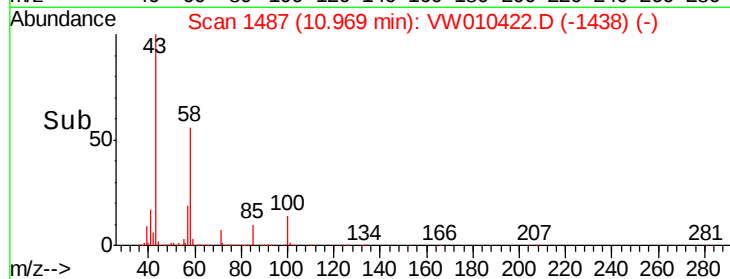
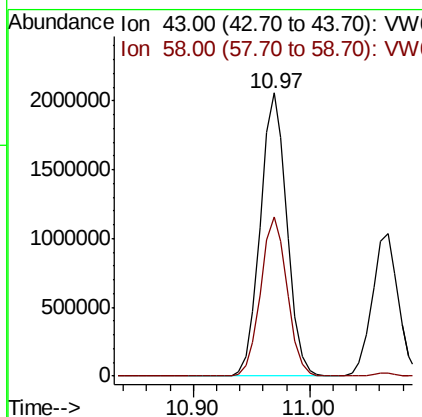
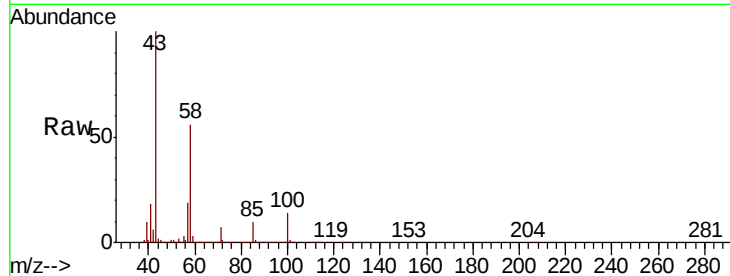




#59
2-Hexanone
Concen: 659.633 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

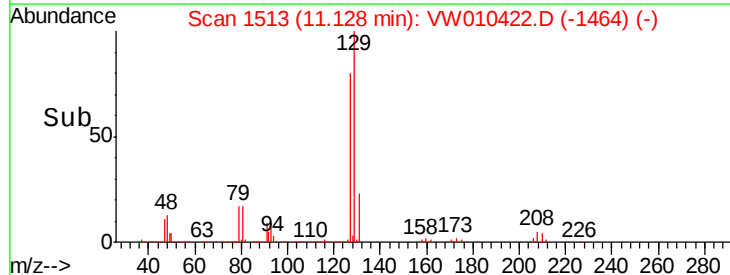
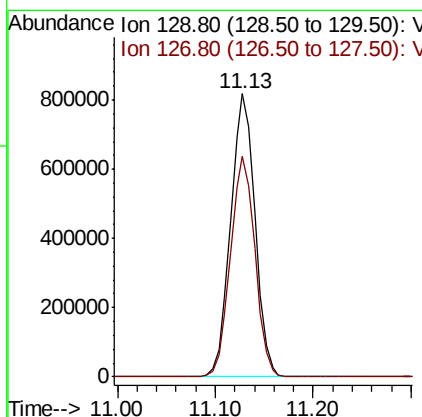
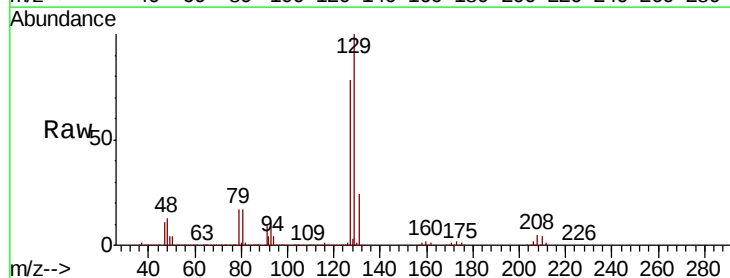
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

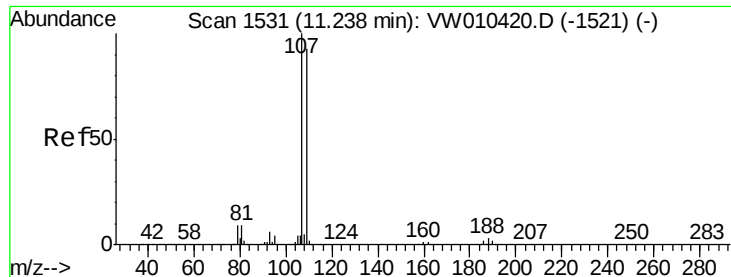
Tgt Ion: 43 Resp: 3269125
Ion Ratio Lower Upper
43 100
58 56.1 28.5 85.6



#60
Dibromochloromethane
Concen: 141.575 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 129 Resp: 1411793
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 139.428 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

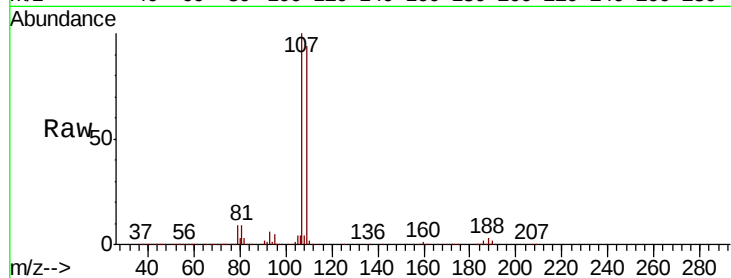
VSTDIC150

Tgt Ion: 107 Resp: 1123237

Ion Ratio Lower Upper

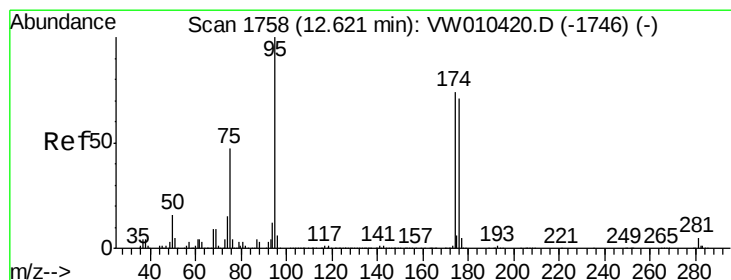
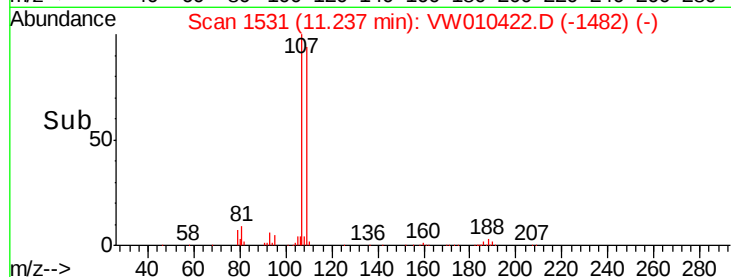
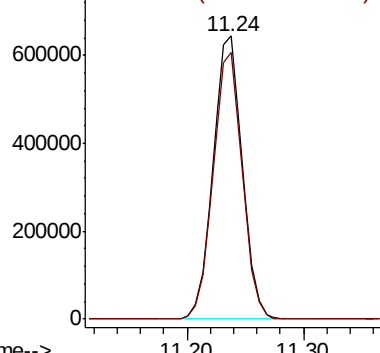
107 100

109 94.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 143.746 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

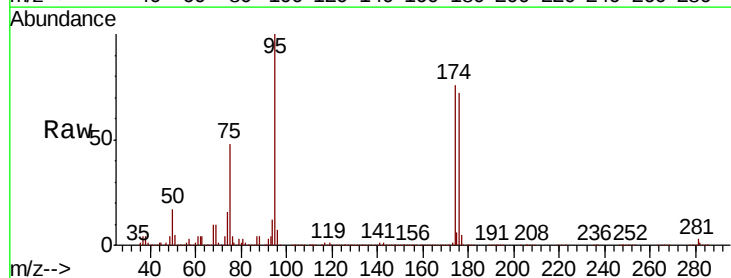
Tgt Ion: 95 Resp: 1946589

Ion Ratio Lower Upper

95 100

174 74.4 0.0 146.6

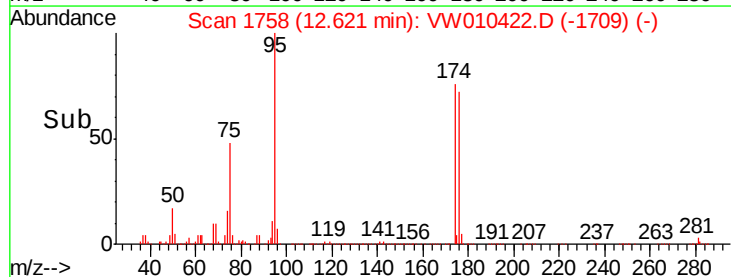
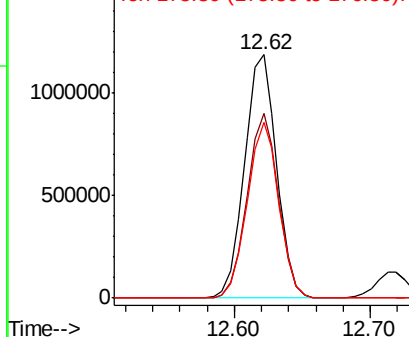
176 71.2 0.0 141.4

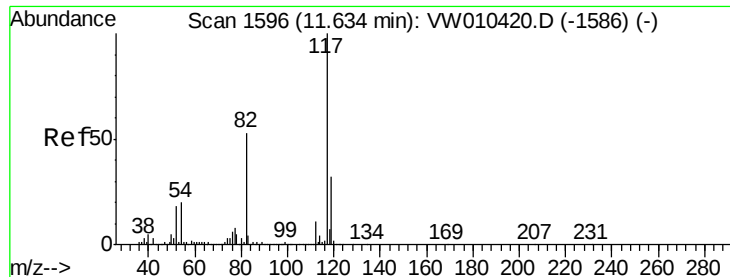


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

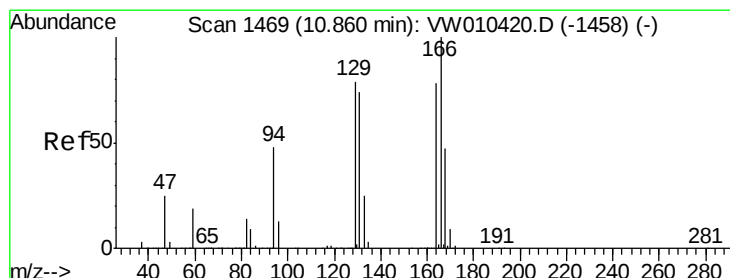
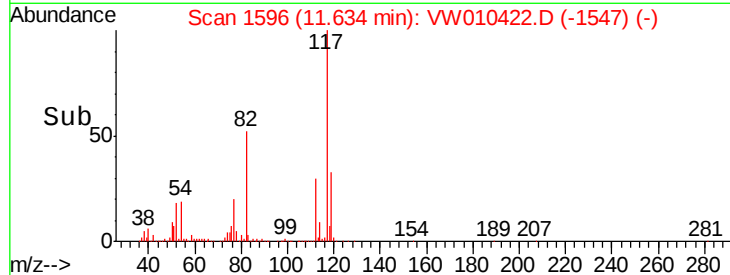
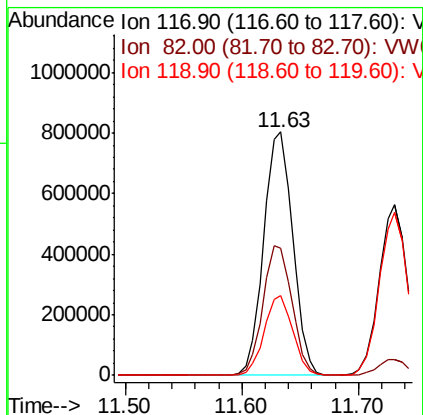
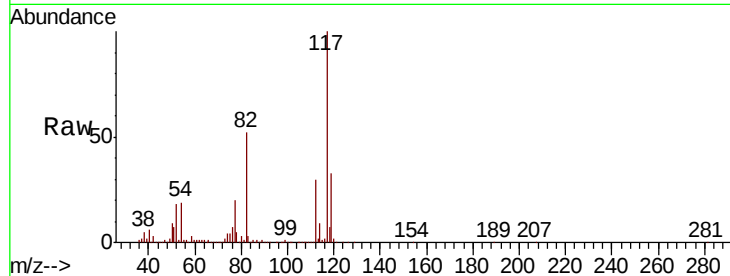




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

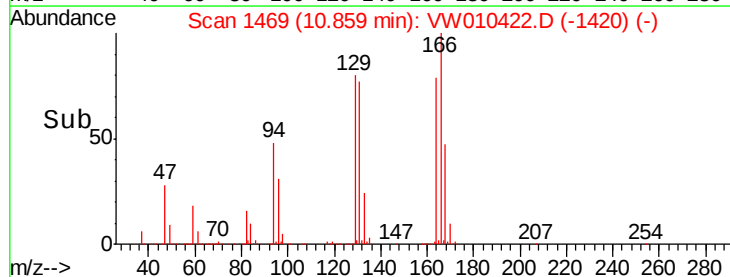
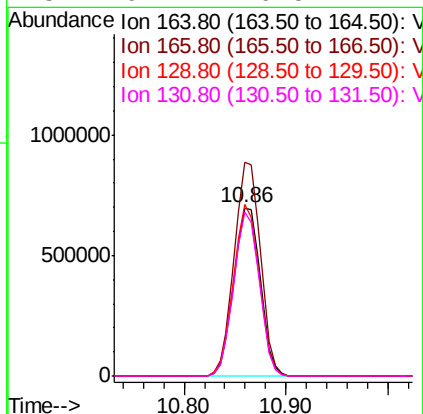
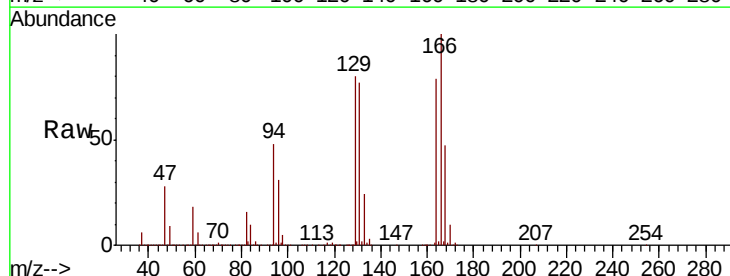
Instrument :
MSVOA_W
ClientSampled :
VSTDICC150

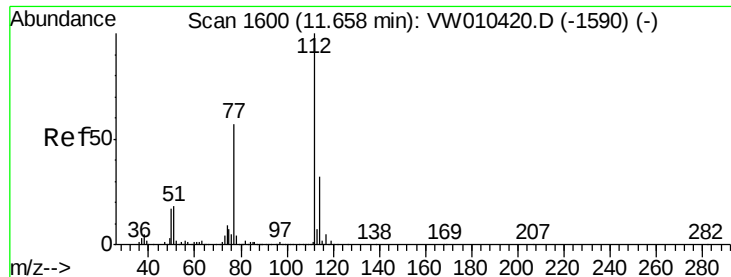
Tgt Ion:117 Resp: 1385276
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.8 25.6 38.4



#64
Tetrachloroethene
Concen: 136.510 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion:164 Resp: 1249984
Ion Ratio Lower Upper
164 100
166 127.1 103.2 154.8
129 101.8 81.6 122.4
131 97.7 76.5 114.7





#65

Chlorobenzene

Concen: 139.186 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

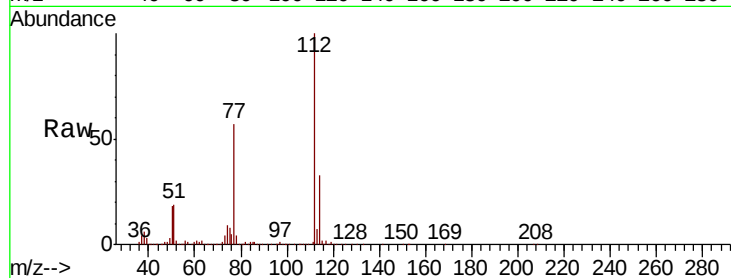
VSTDIC150

Tgt Ion:112 Resp: 3825840

Ion Ratio Lower Upper

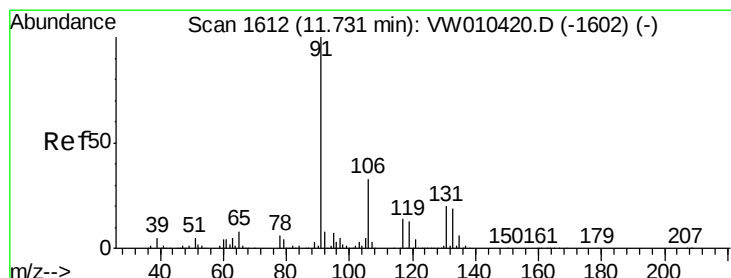
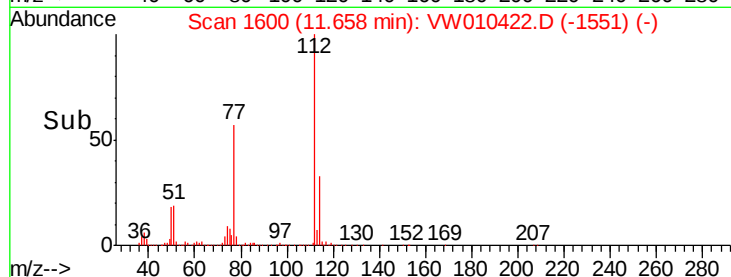
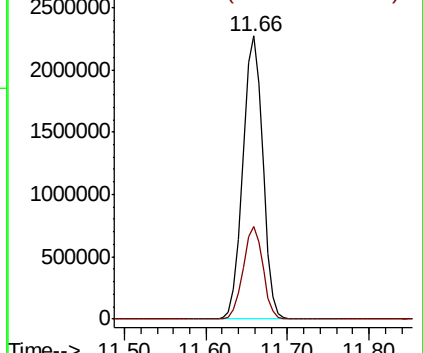
112 100

114 32.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 138.838 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

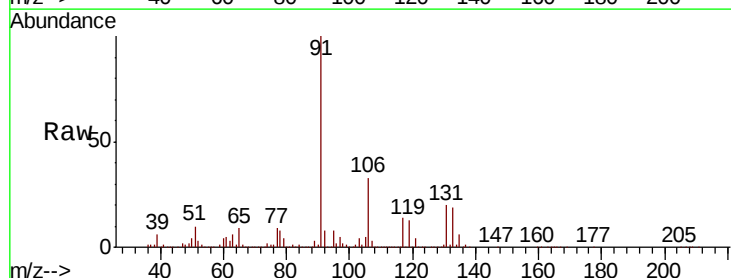
Tgt Ion:131 Resp: 1413197

Ion Ratio Lower Upper

131 100

133 95.1 48.3 144.8

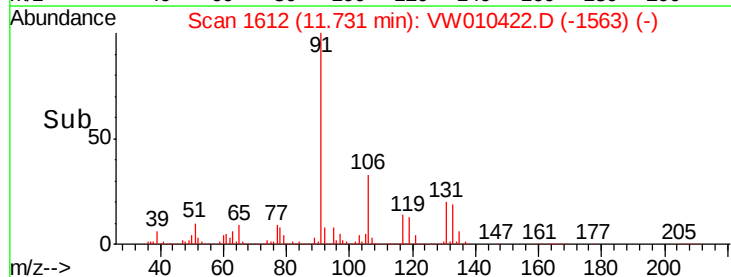
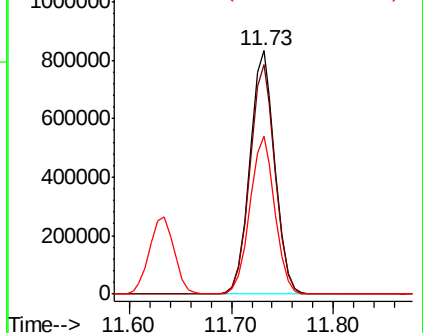
119 65.0 32.4 97.0

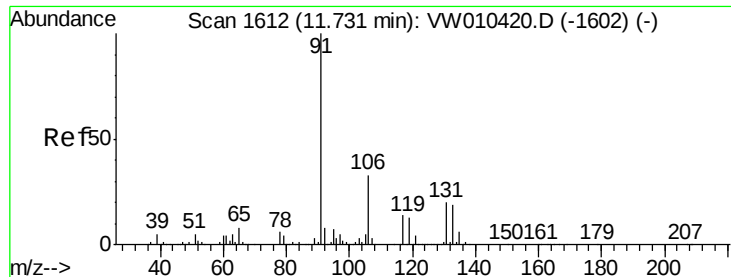


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

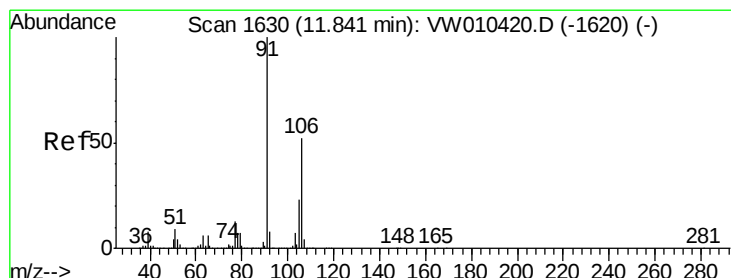
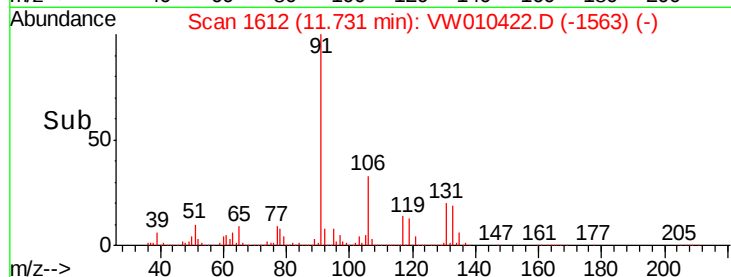
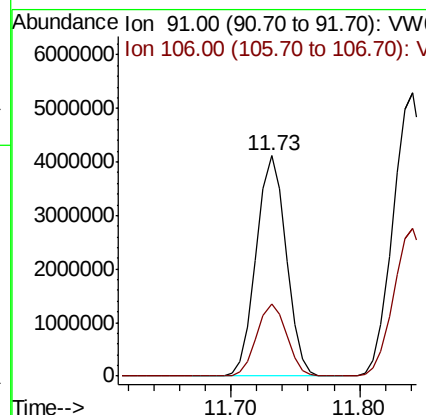
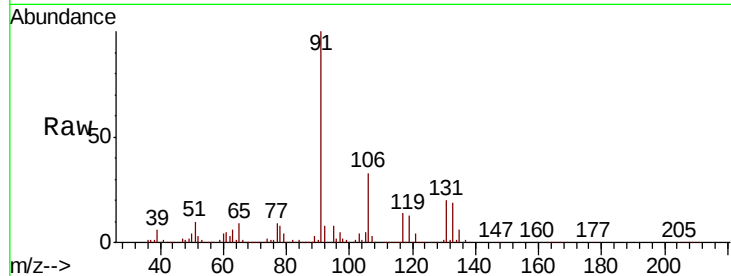




#67
Ethyl Benzene
Concen: 135.504 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

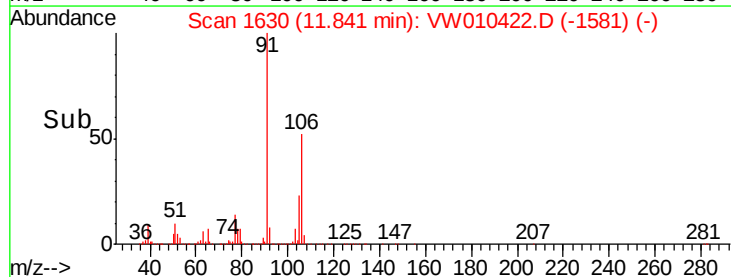
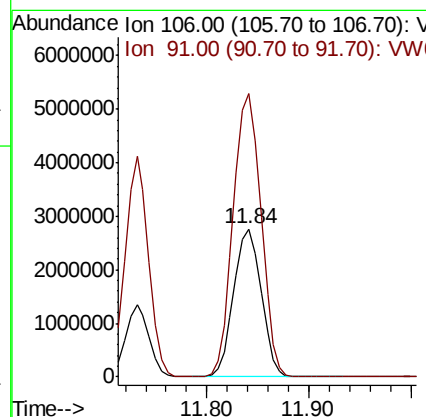
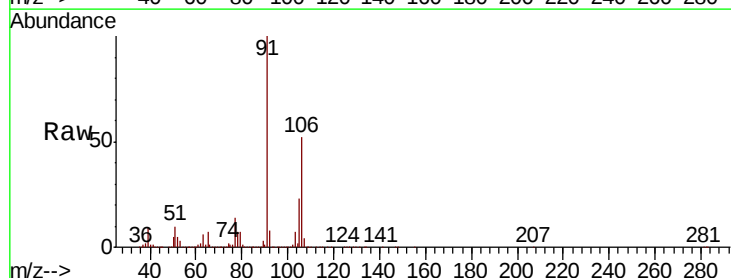
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

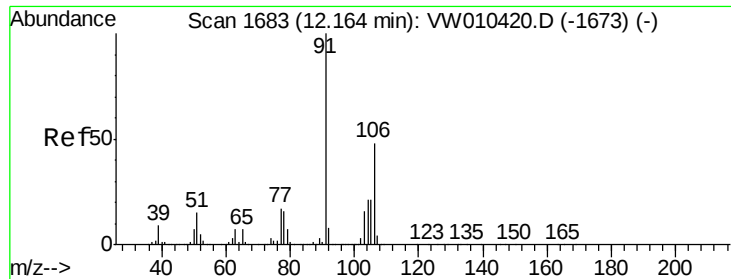
Tgt Ion: 91 Resp: 6614657
Ion Ratio Lower Upper
91 100
106 32.9 26.5 39.7



#68
m/p-Xylenes
Concen: 271.013 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 106 Resp: 5176541
Ion Ratio Lower Upper
106 100
91 193.8 156.2 234.2

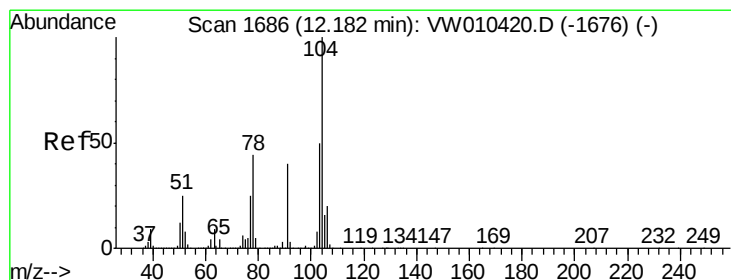
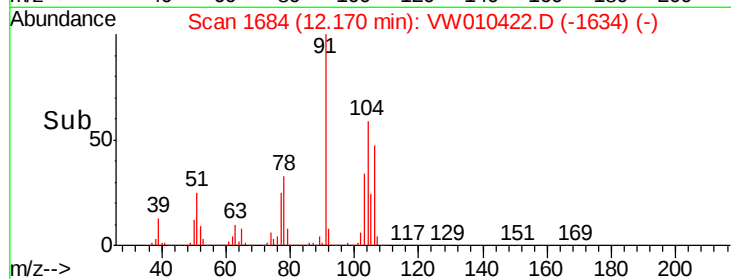
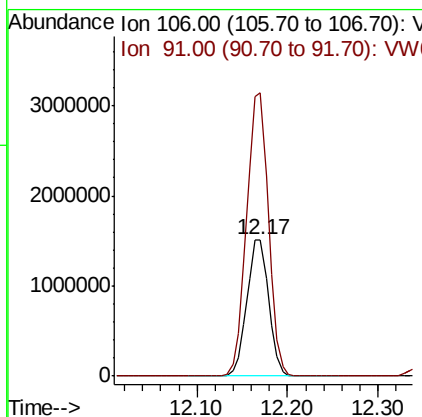
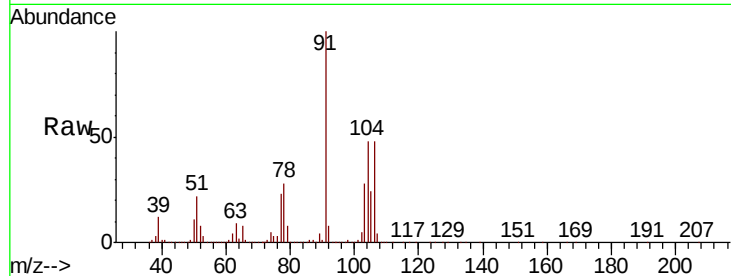




#69
o-Xylene
Concen: 136.896 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

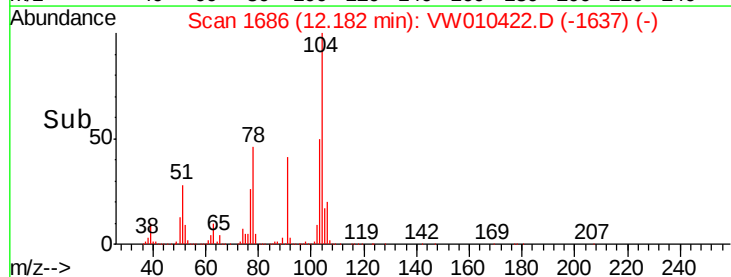
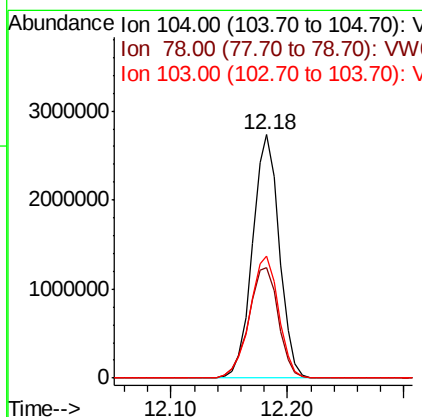
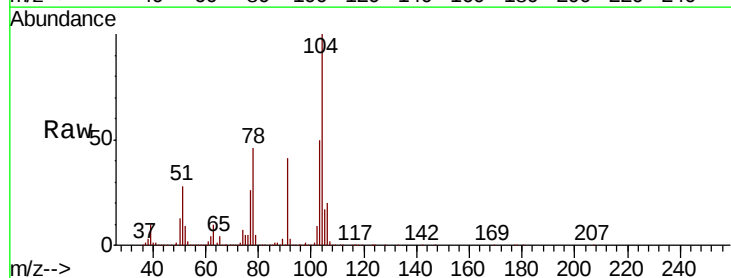
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

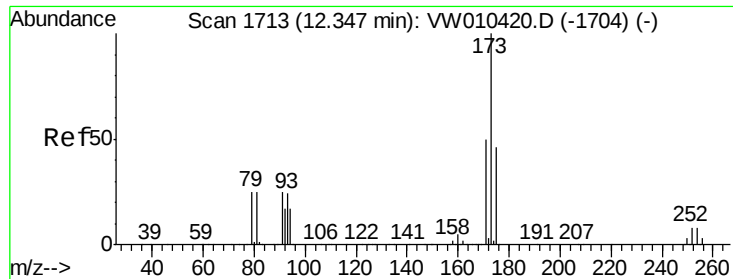
Tgt Ion:106 Resp: 2520157
Ion Ratio Lower Upper
106 100
91 207.6 102.5 307.5



#70
Styrene
Concen: 136.923 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion:104 Resp: 4381674
Ion Ratio Lower Upper
104 100
78 50.5 39.4 59.0
103 54.0 43.4 65.0





#71

Bromoform

Concen: 139.595 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

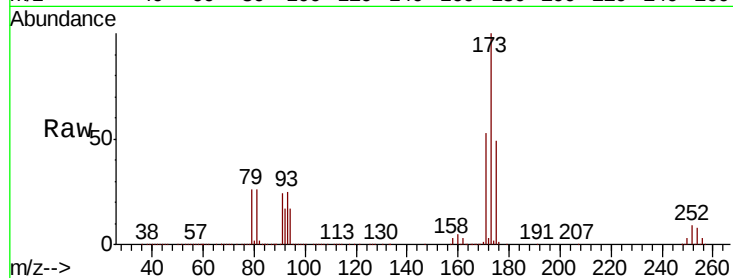
Tgt Ion:173 Resp: 823941

Ion Ratio Lower Upper

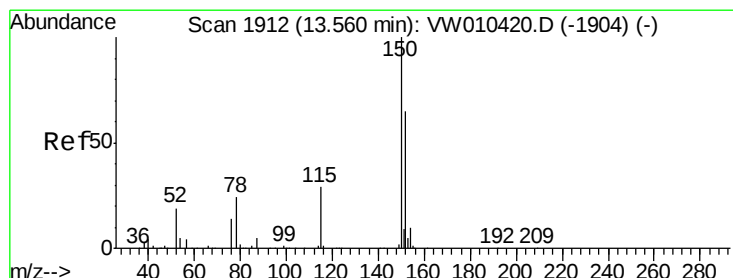
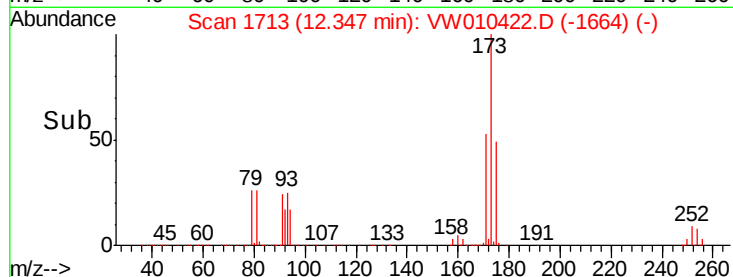
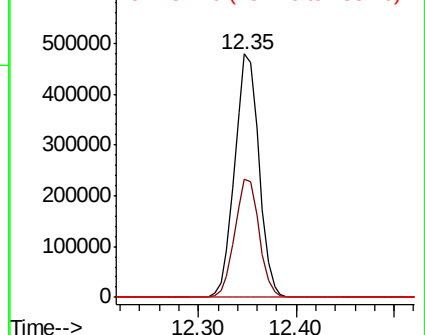
173 100

175 48.8 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: VW010422.D

Acq: 17 May 2019 19:16

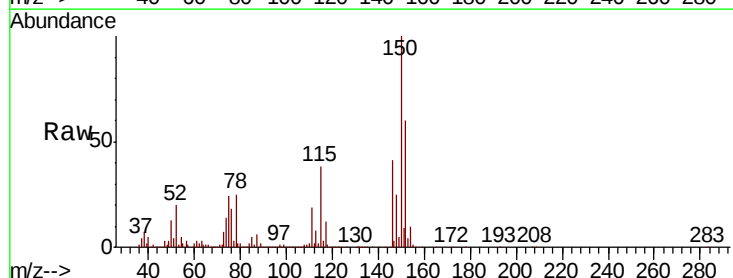
Tgt Ion:152 Resp: 611683

Ion Ratio Lower Upper

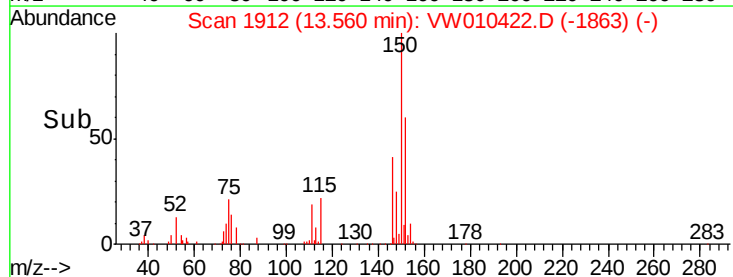
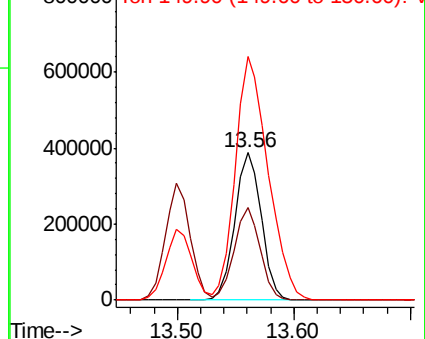
152 100

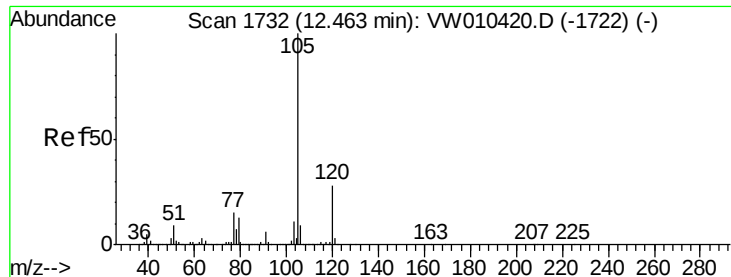
115 61.5 30.0 90.1

150 204.8 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: 147.426 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

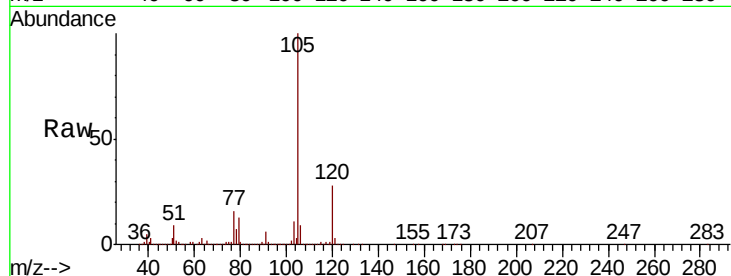
VSTDIC150

Tgt Ion:105 Resp: 6578990

Ion Ratio Lower Upper

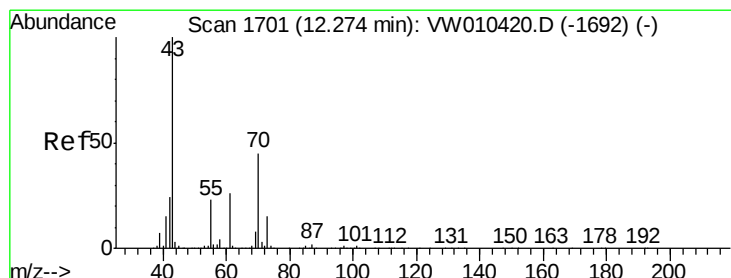
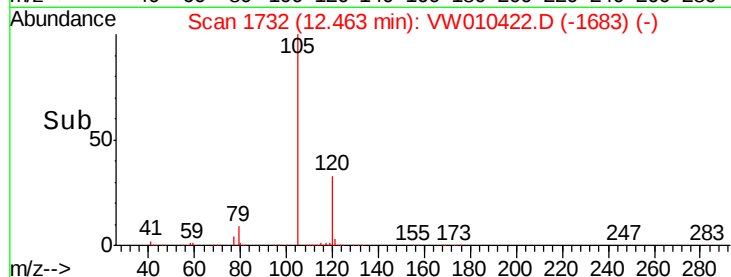
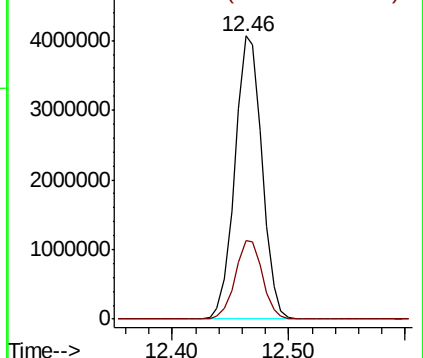
105 100

120 27.8 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: 150.449 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Tgt Ion: 43 Resp: 1858892

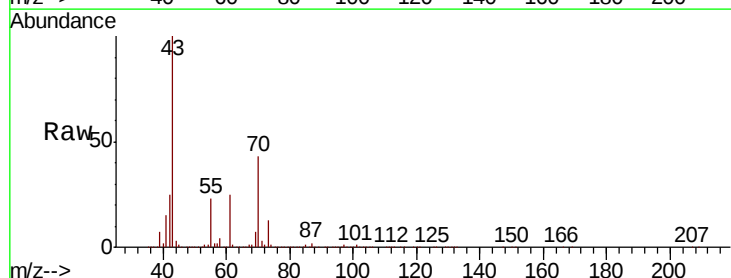
Ion Ratio Lower Upper

43 100

70 42.7 36.4 54.6

55 22.7 19.0 28.6

61 24.8 20.6 31.0

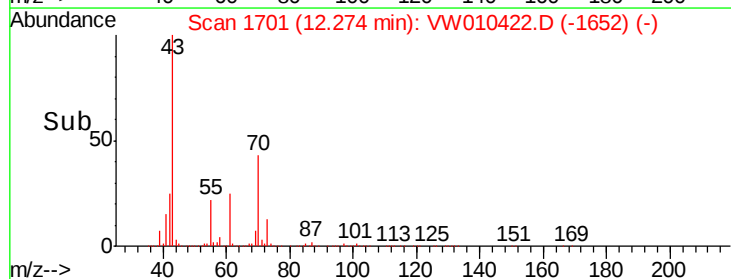
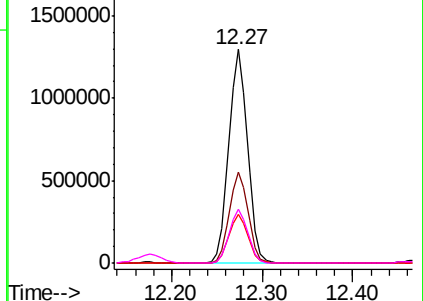


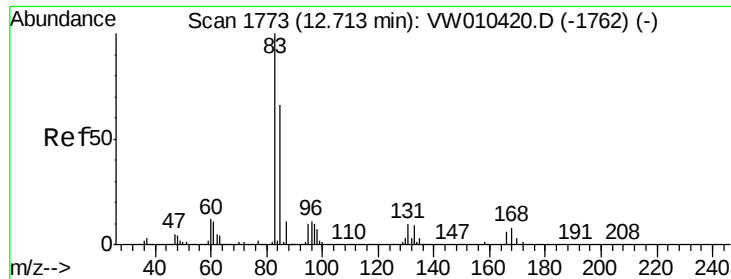
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 149.951 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

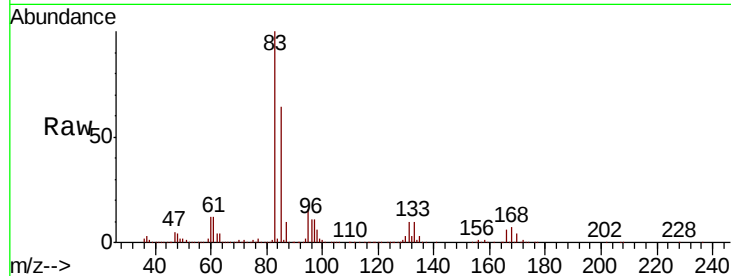
Tgt Ion: 83 Resp: 1315103

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

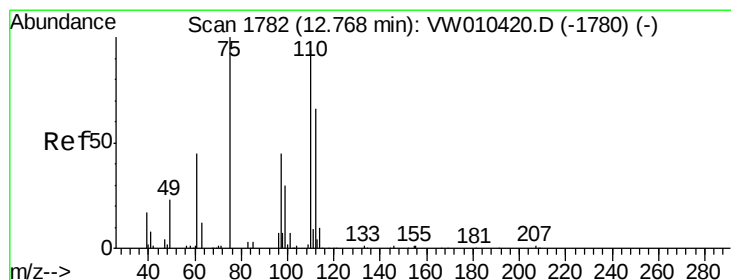
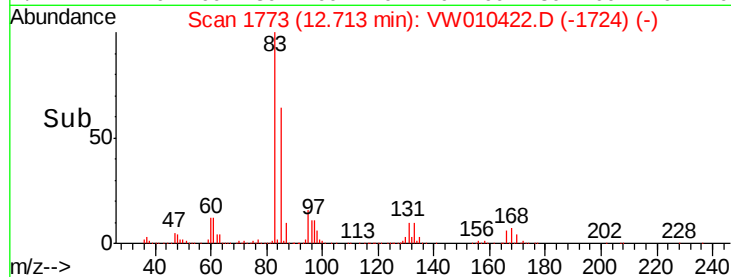
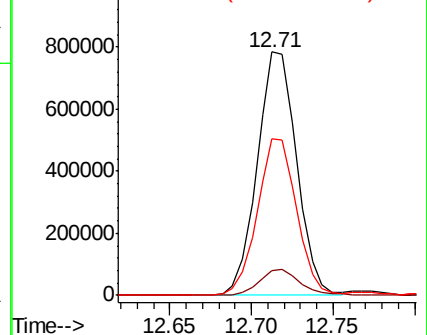
85 63.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 251.560 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010422.D

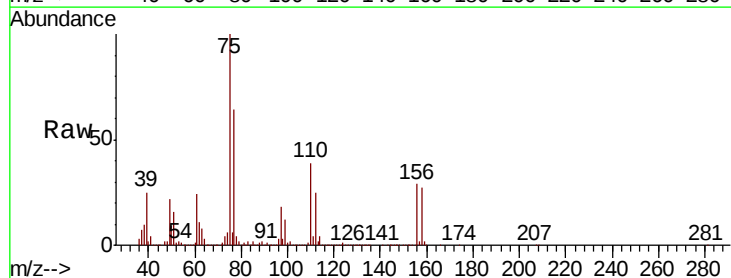
Acq: 17 May 2019 19:16

Tgt Ion: 75 Resp: 1674356

Ion Ratio Lower Upper

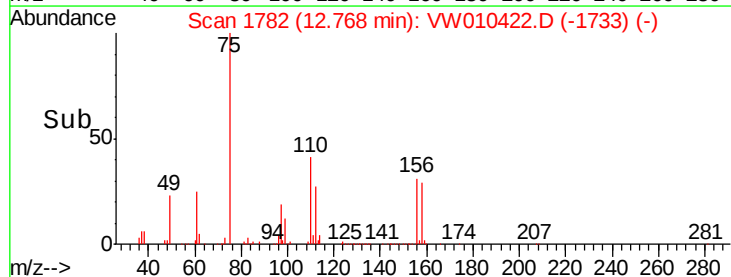
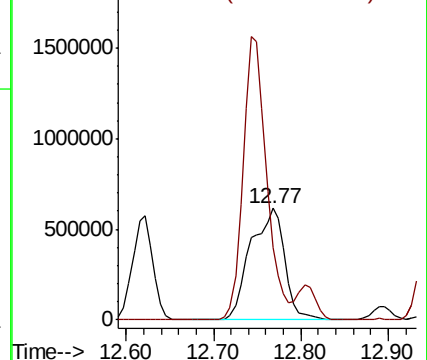
75 100

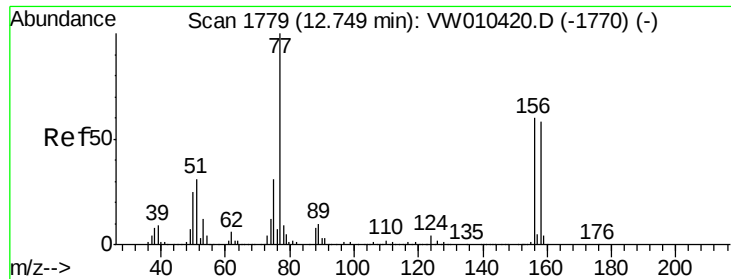
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 148.670 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

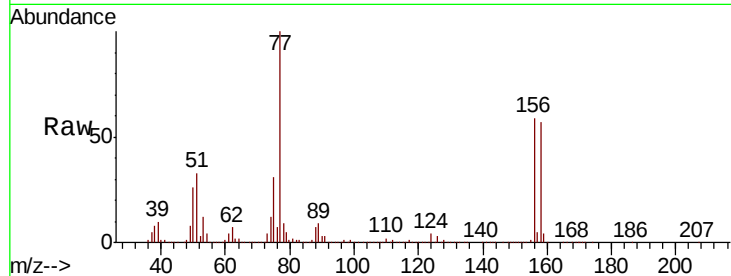
Tgt Ion:156 Resp: 1530714

Ion Ratio Lower Upper

156 100

77 191.1 95.7 286.9

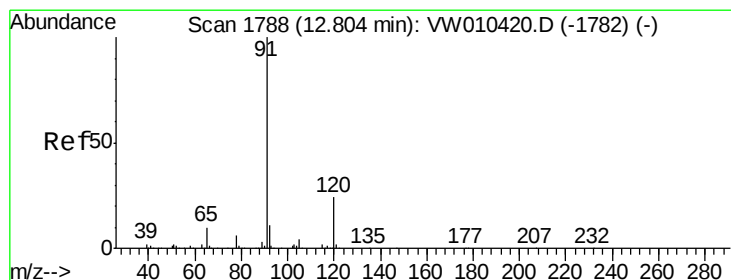
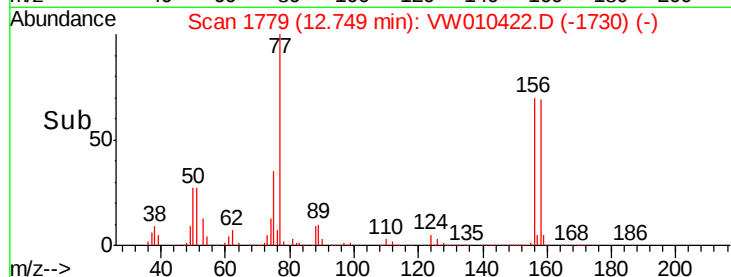
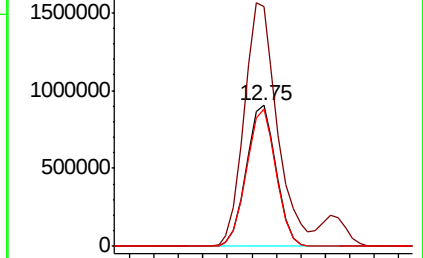
158 96.5 48.9 146.7



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: 144.233 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010422.D

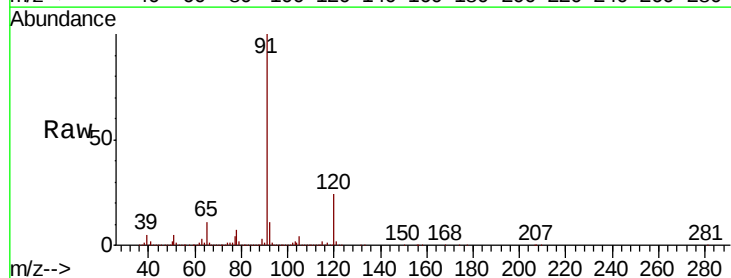
Acq: 17 May 2019 19:16

Tgt Ion: 91 Resp: 7526853

Ion Ratio Lower Upper

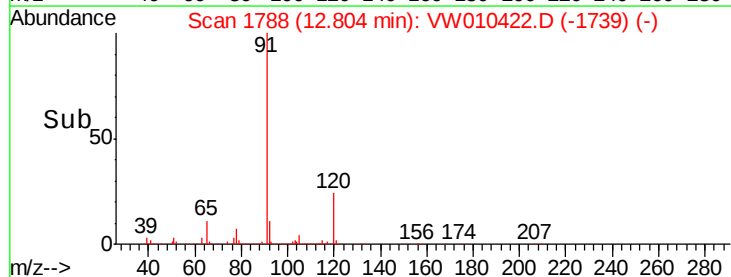
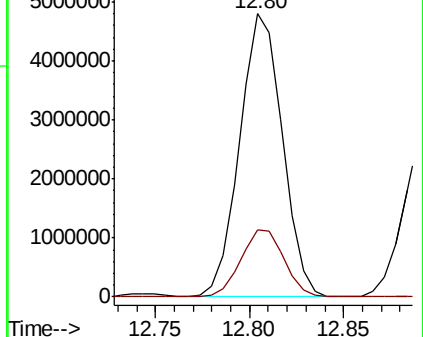
91 100

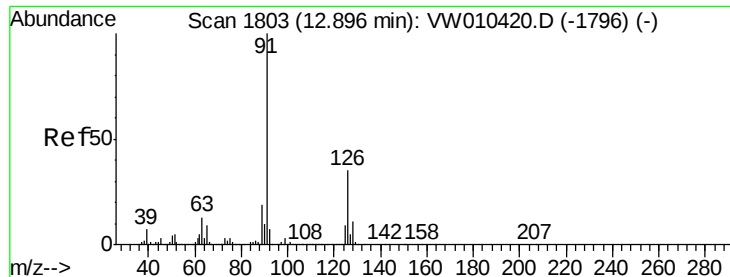
120 24.1 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 146.688 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

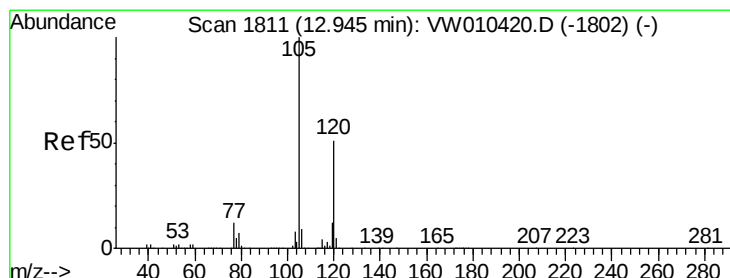
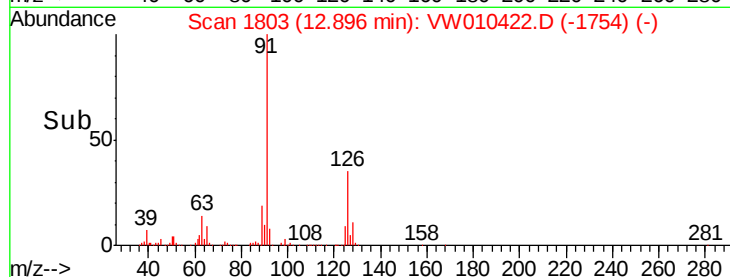
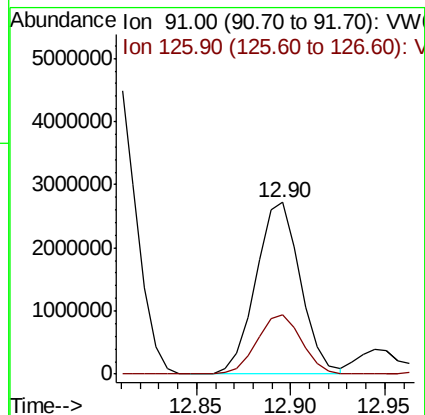
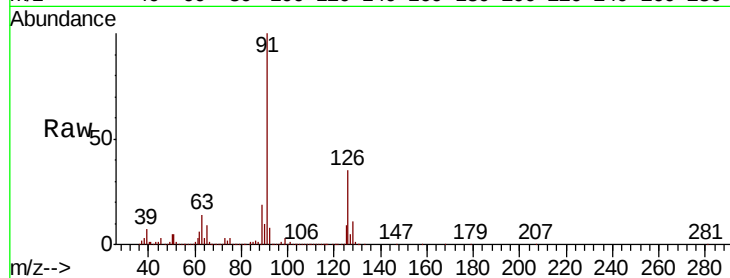
VSTDIC150

Tgt Ion: 91 Resp: 4451037

Ion Ratio Lower Upper

91 100

126 34.4 17.3 52.0



#80

1,3,5-Trimethylbenzene

Concen: 144.232 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010422.D

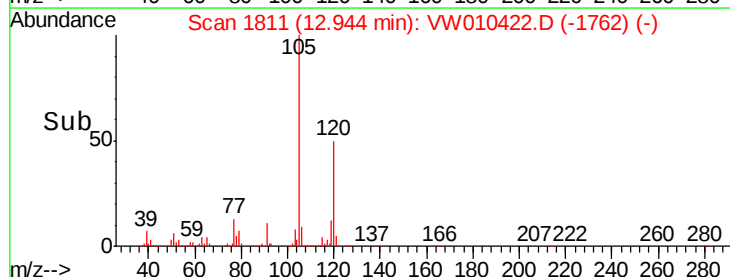
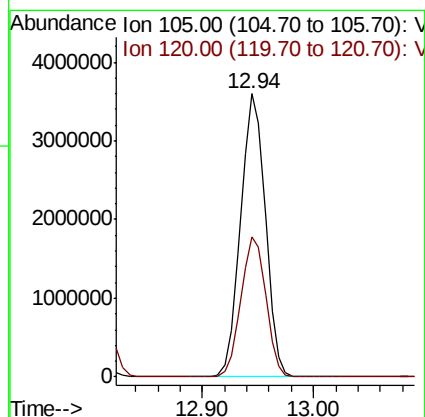
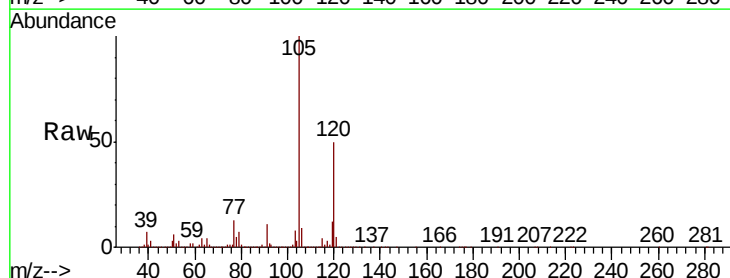
Acq: 17 May 2019 19:16

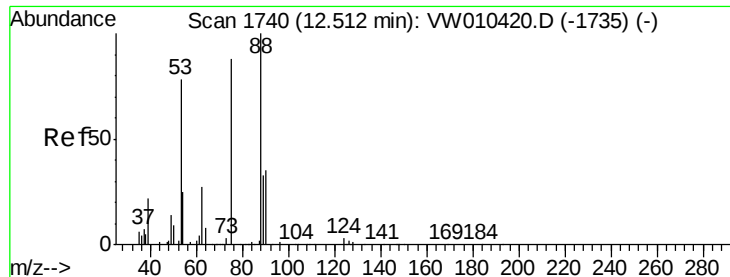
Tgt Ion:105 Resp: 5546630

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.2

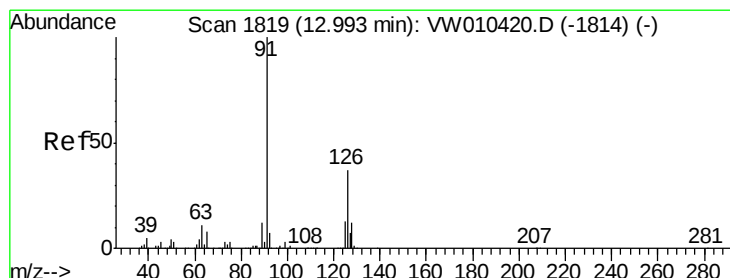
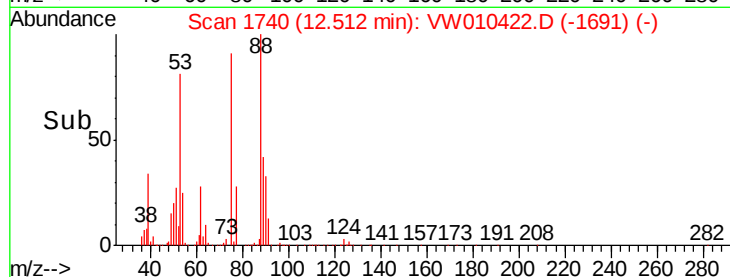
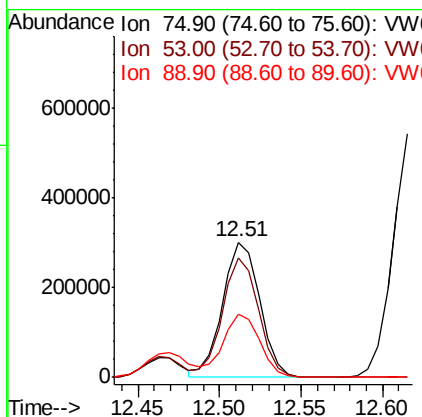
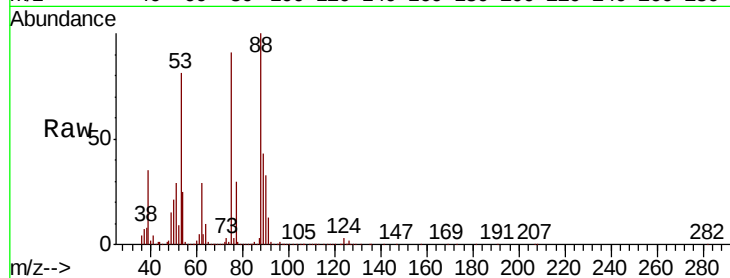




#81
trans-1,4-Dichloro-2-butene
Concen: 148.674 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

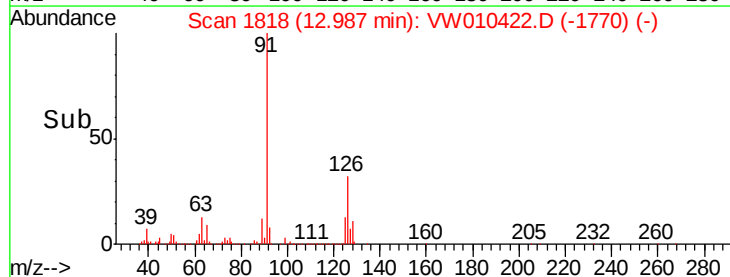
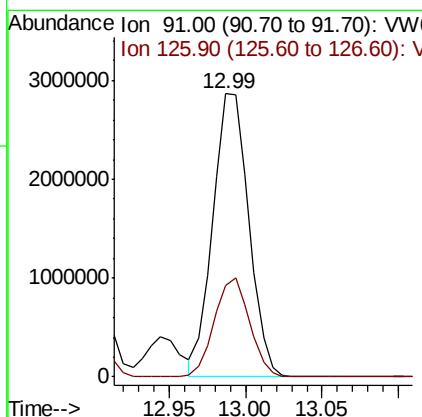
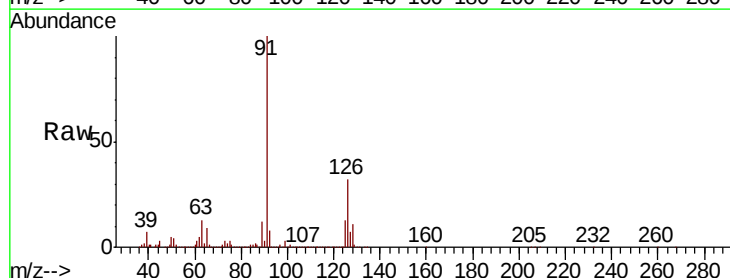
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

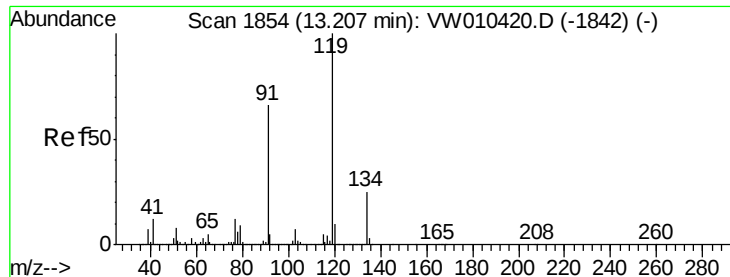
Tgt Ion: 75 Resp: 475977
Ion Ratio Lower Upper
75 100
53 86.9 70.7 106.1
89 46.3 38.6 58.0



#82
4-Chlorotoluene
Concen: 146.819 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion: 91 Resp: 4674551
Ion Ratio Lower Upper
91 100
126 34.2 17.4 52.2

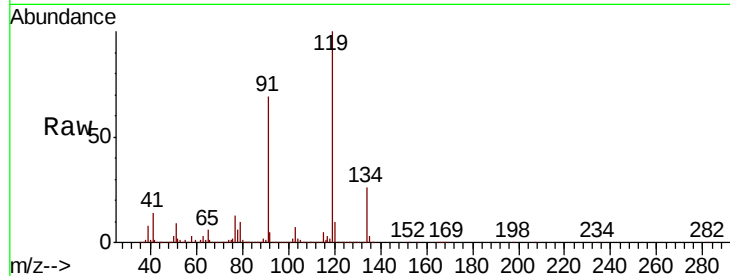




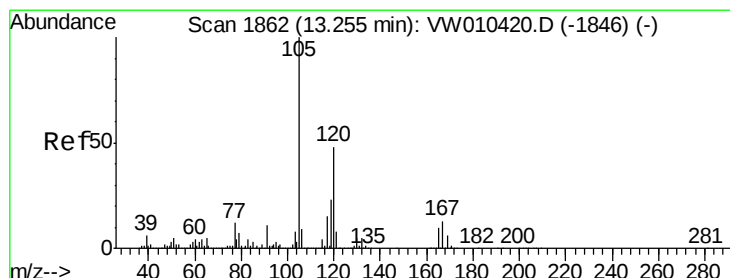
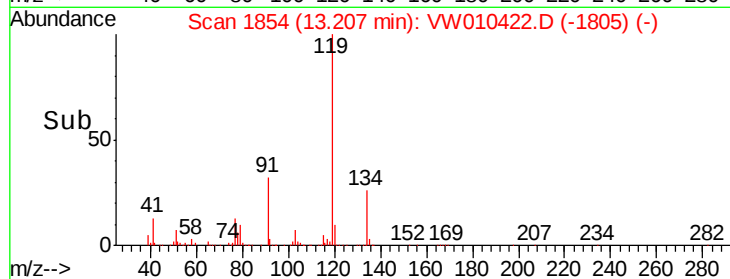
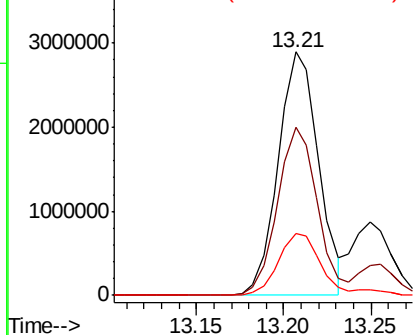
#83
 tert-Butylbenzene
 Concen: 144.076 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 4671694
 Ion Ratio Lower Upper
 119 100
 91 68.4 33.5 100.5
 134 27.7 13.8 41.4

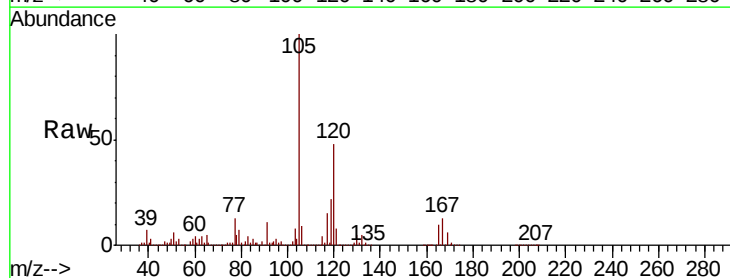


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

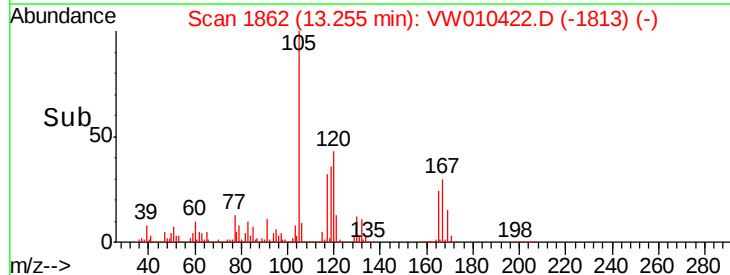
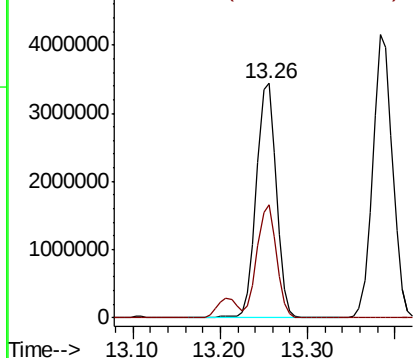


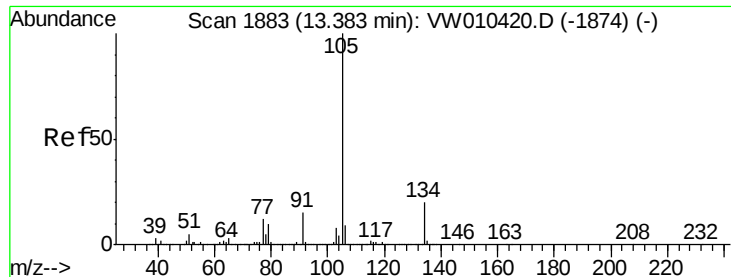
#84
 1,2,4-Trimethylbenzene
 Concen: 142.199 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion:105 Resp: 5453578
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.0



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

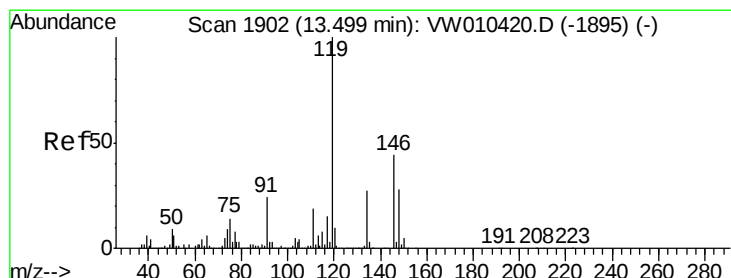
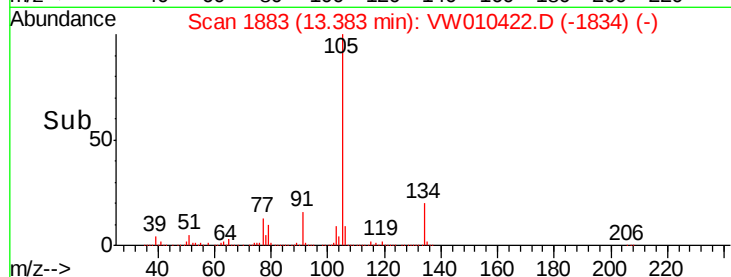
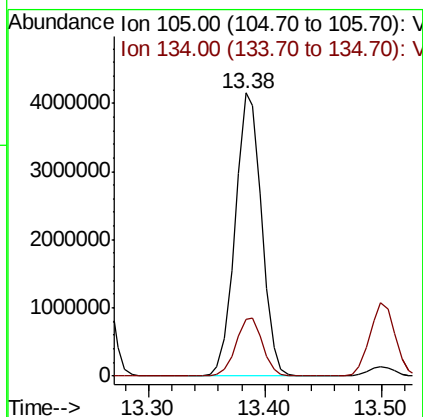
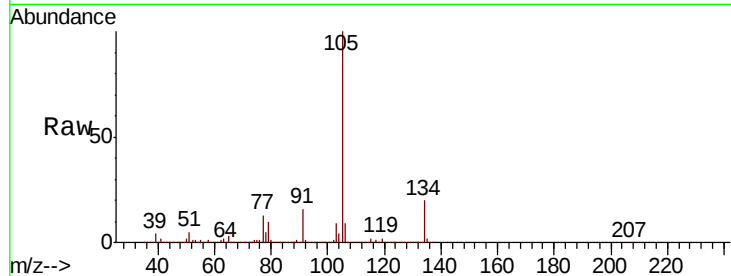




#85
 sec-Butylbenzene
 Concen: 142.287 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

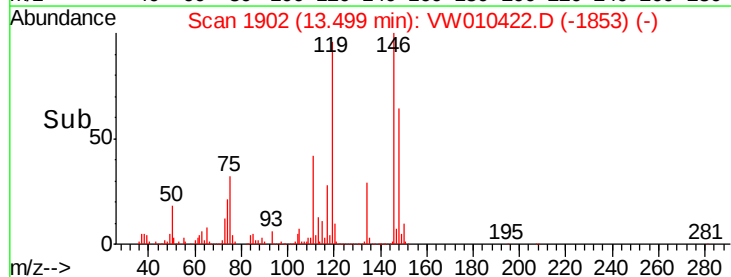
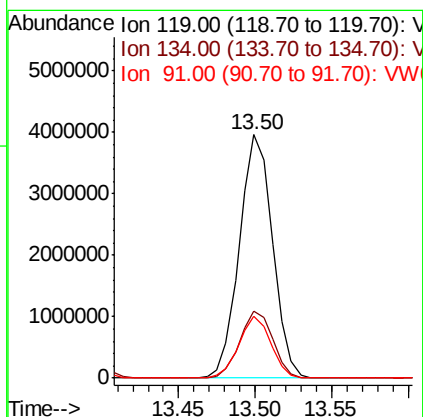
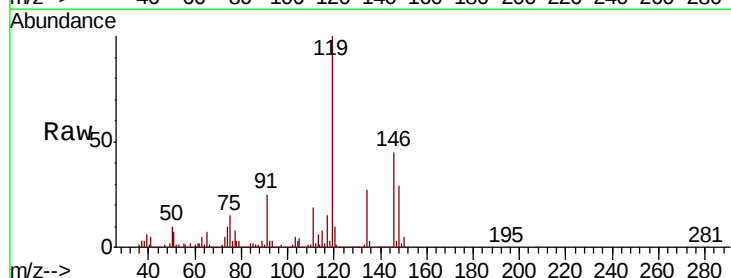
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

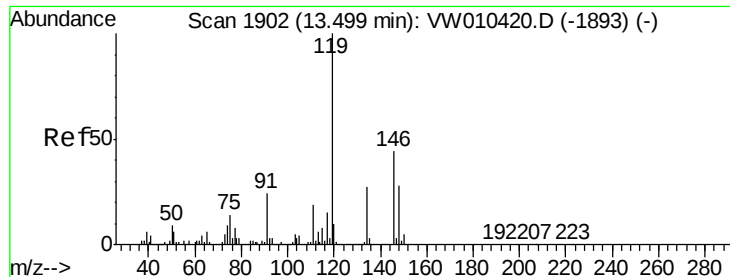
Tgt Ion:105 Resp: 6525102
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 142.548 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion:119 Resp: 5948013
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.7 41.0
 91 24.6 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 143.364 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

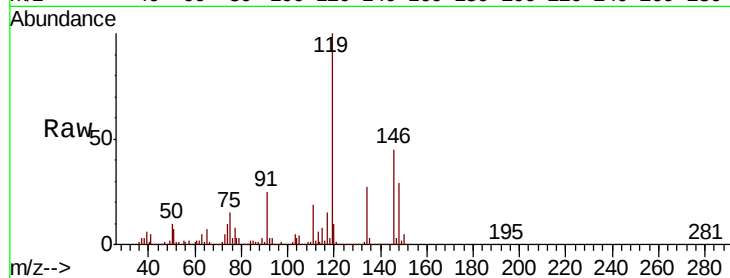
Tgt Ion:146 Resp: 2870553

Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.4

148 63.9 31.8 95.4

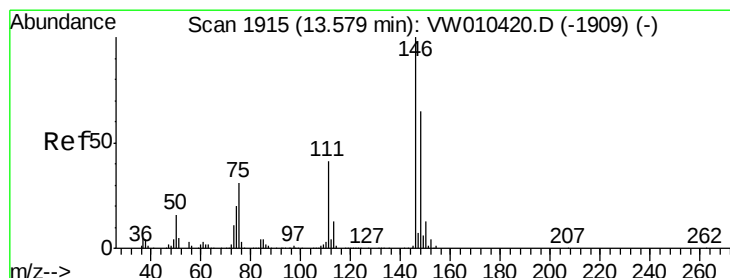
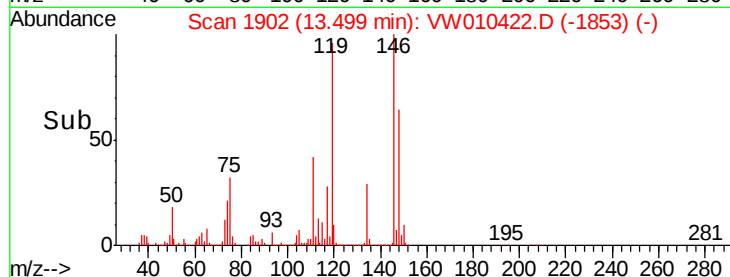
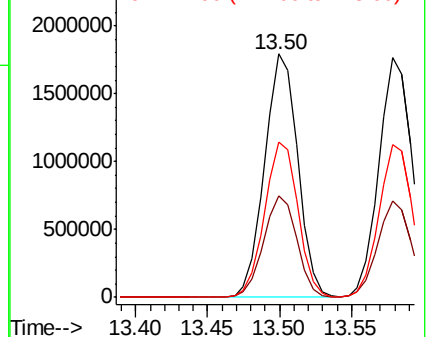


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 140.523 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

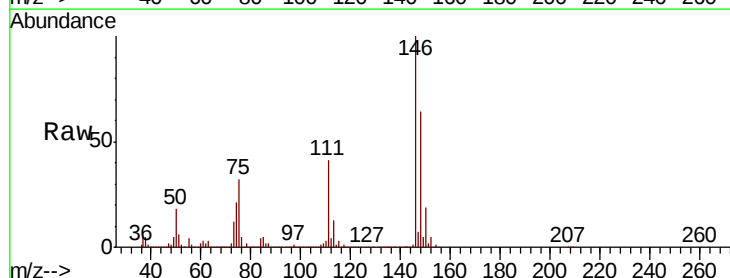
Tgt Ion:146 Resp: 2808213

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

148 64.2 32.3 96.9

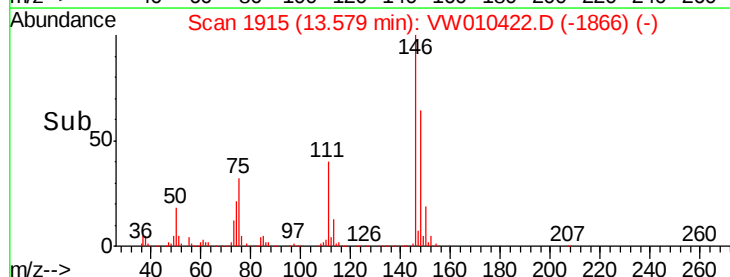
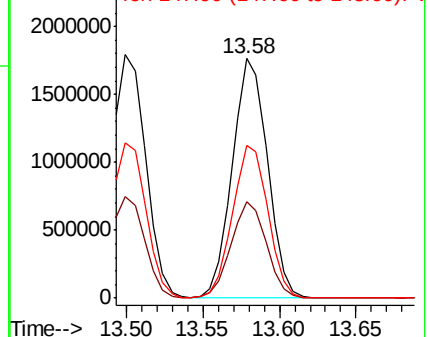


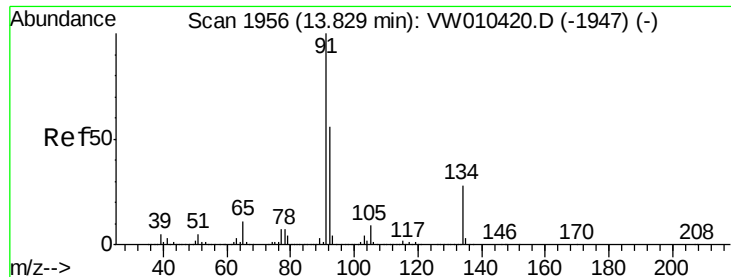
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 141.019 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

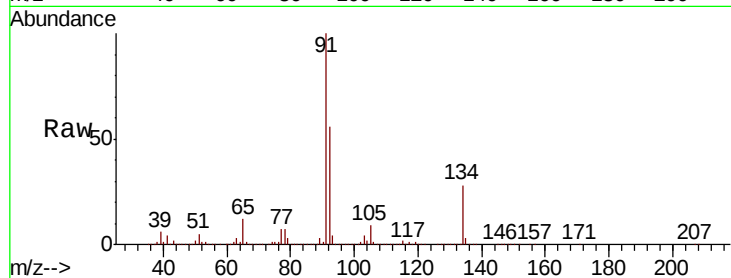
Tgt Ion: 91 Resp: 5616128

Ion Ratio Lower Upper

91 100

92 55.7 27.7 83.0

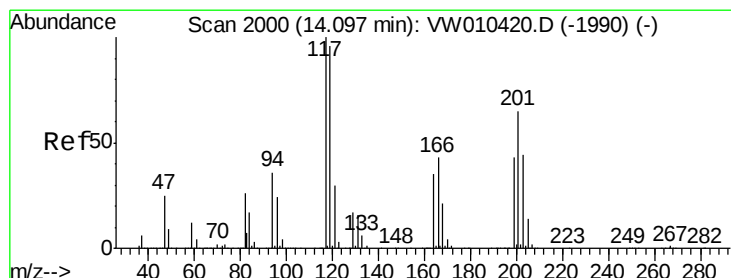
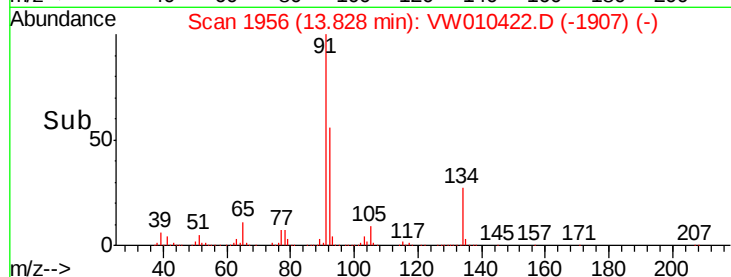
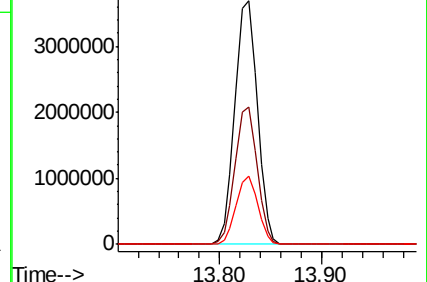
134 27.3 13.8 41.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 147.099 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010422.D

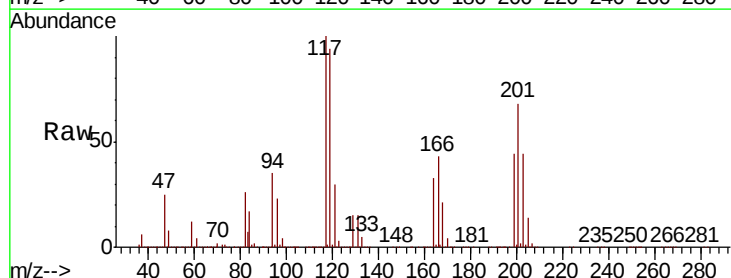
Acq: 17 May 2019 19:16

Tgt Ion: 117 Resp: 1215203

Ion Ratio Lower Upper

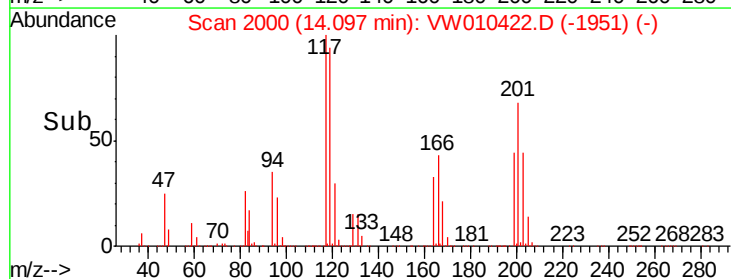
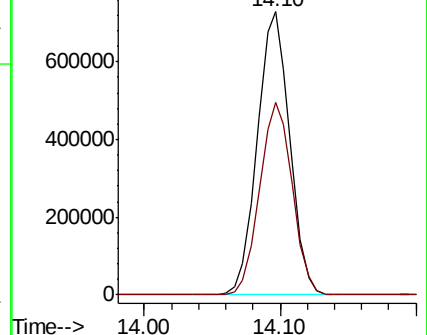
117 100

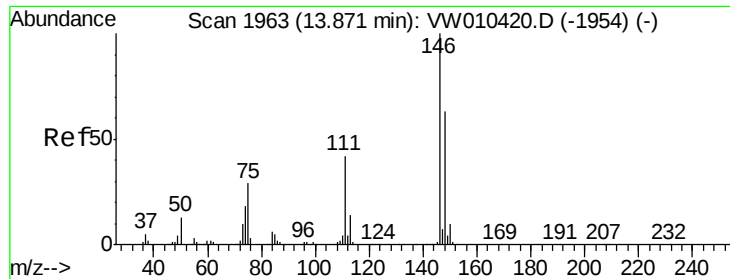
201 68.7 33.8 101.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 139.297 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

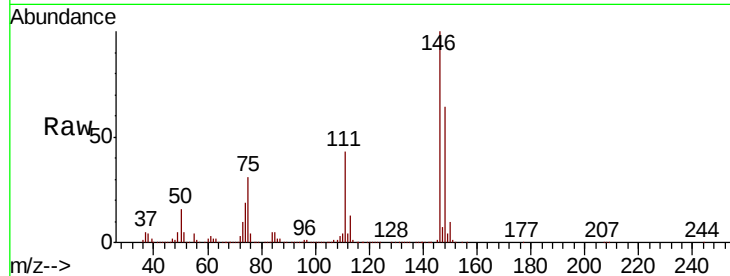
Tgt Ion:146 Resp: 2560284

Ion Ratio Lower Upper

146 100

111 43.0 21.3 63.7

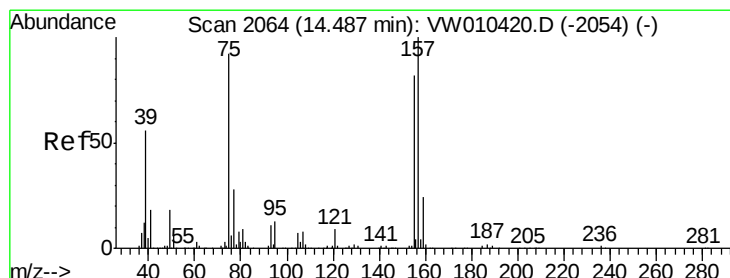
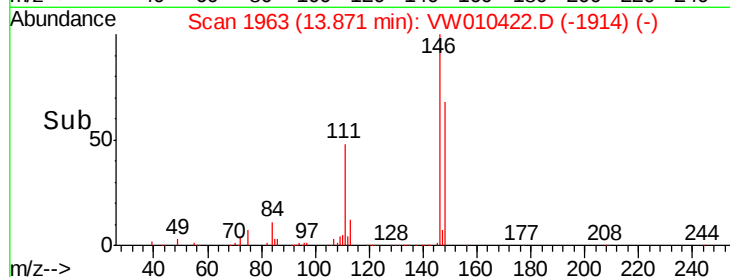
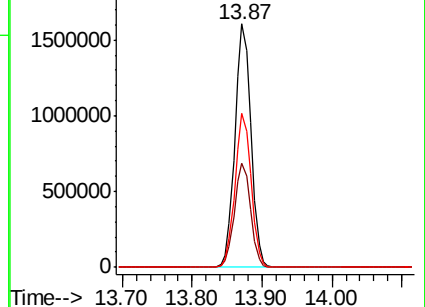
148 63.3 31.6 95.0



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: 135.928 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010422.D

Acq: 17 May 2019 19:16

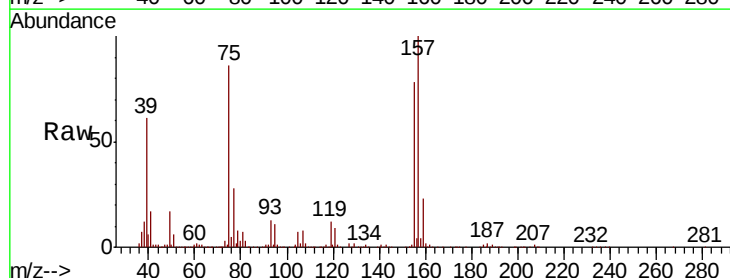
Tgt Ion: 75 Resp: 221619

Ion Ratio Lower Upper

75 100

155 88.8 43.5 130.7

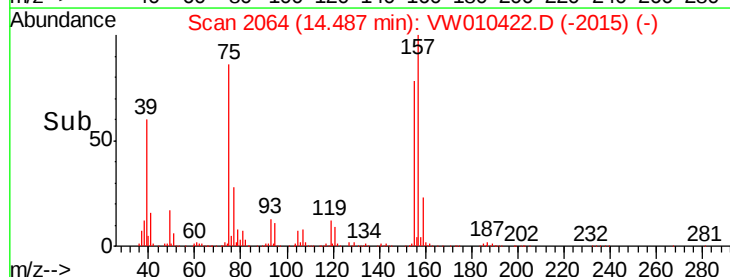
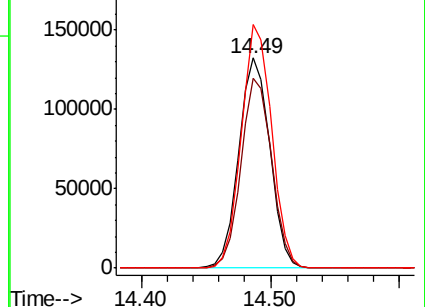
157 112.6 54.8 164.4

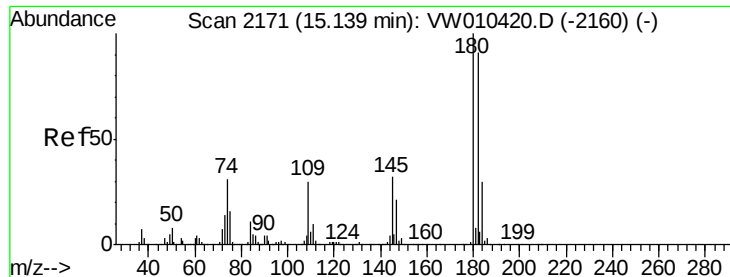


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

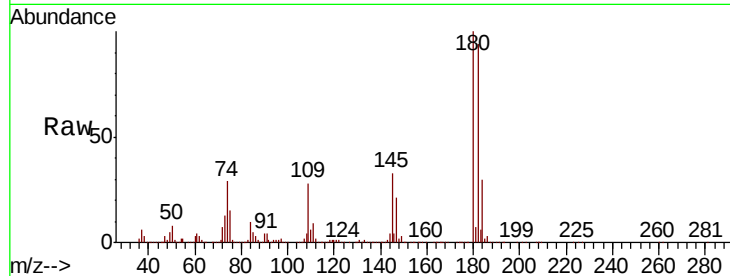




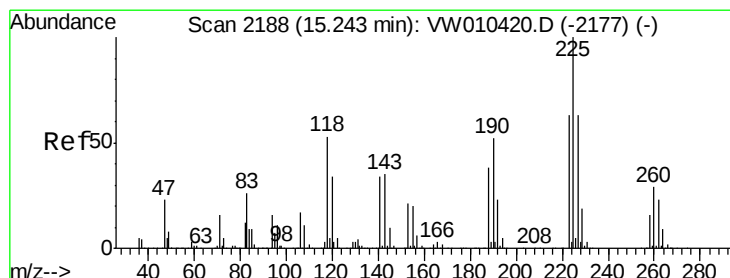
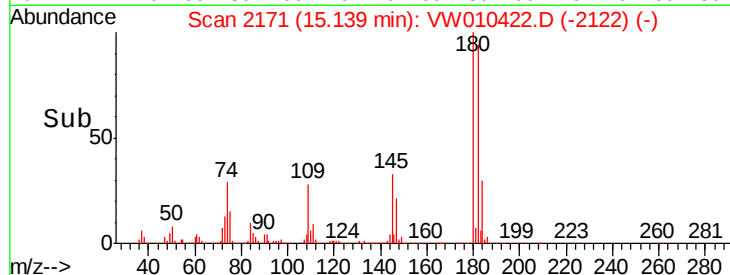
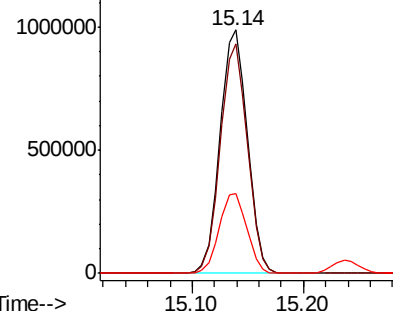
#93
 1,2,4-Trichlorobenzene
 Concen: 132.642 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 1675893
 Ion Ratio Lower Upper
 180 100
 182 93.5 47.0 141.2
 145 33.3 16.6 49.7

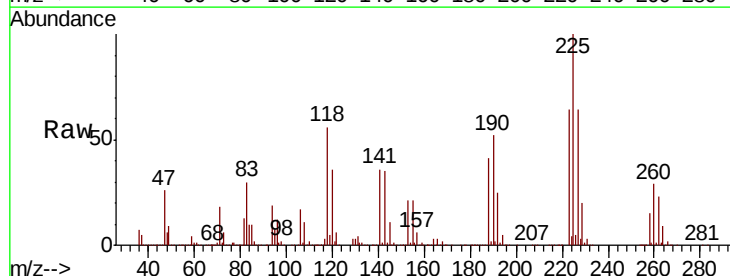


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

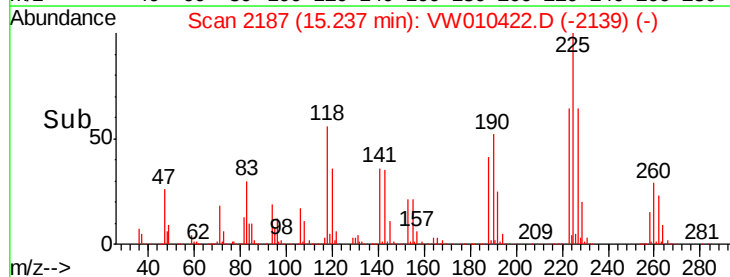
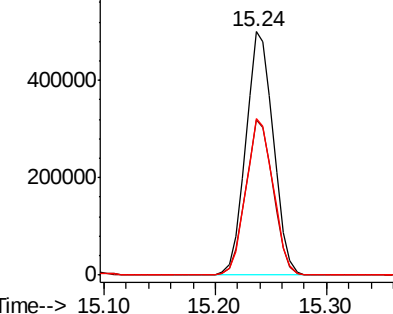


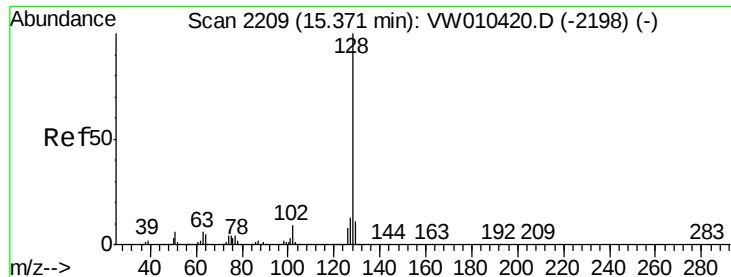
#94
 Hexachlorobutadiene
 Concen: 133.857 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010422.D
 Acq: 17 May 2019 19:16

Tgt Ion:225 Resp: 863963
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.0 96.2
 227 63.8 31.4 94.0



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

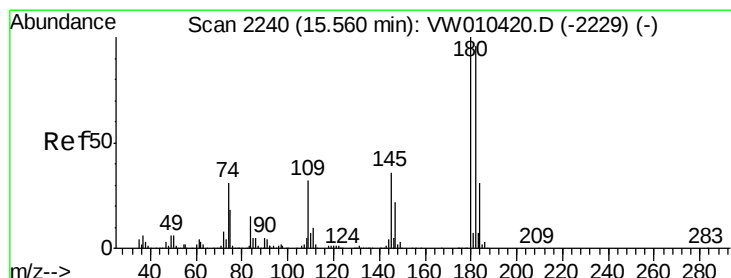
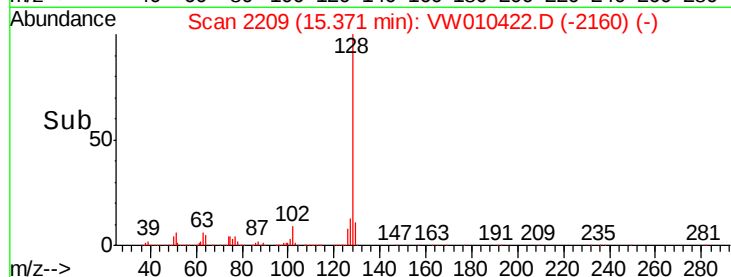
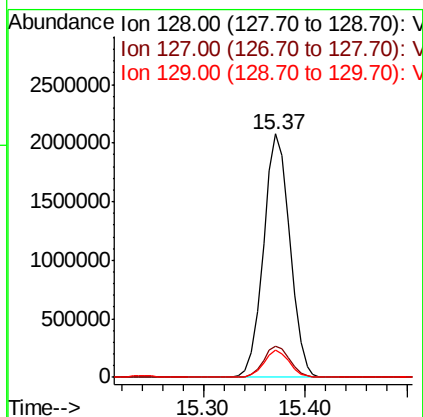
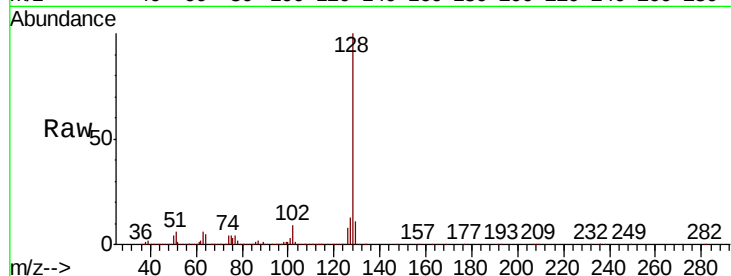




#95
Naphthalene
Concen: 132.391 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 3724098
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 131.643 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010422.D
Acq: 17 May 2019 19:16

Tgt Ion:180 Resp: 1477087
Ion Ratio Lower Upper
180 100
182 94.6 47.6 142.9
145 35.0 17.8 53.5

