

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
 Data File : VW010410.D
 Acq On : 16 May 2019 19:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: May 17 08:43:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 08:39:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1045696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1784241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1624473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	783098	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	113849	10.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.38%	
35) Dibromofluoromethane	7.88	113	113079	10.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.46%	
50) Toluene-d8	10.32	98	432594	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
62) 4-Bromofluorobenzene	12.62	95	167722	11.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.06%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	56902	6.984	ug/l 98
3) Chloromethane	2.21	50	79356	7.660	ug/l 99
4) Vinyl Chloride	2.37	62	113181	8.712	ug/l 99
5) Bromomethane	2.77	94	74627	9.750	ug/l 98
6) Chloroethane	2.92	64	64849	8.621	ug/l 91
7) Trichlorofluoromethane	3.25	101	58156	8.788	ug/l 93
8) Diethyl Ether	3.67	74	55971	9.640	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	101286	9.428	ug/l 94
10) Methyl Iodide	4.26	142	161766	10.419	ug/l 99
11) Tert butyl alcohol	5.18	59	43612	53.839	ug/l # 88
12) 1,1-Dichloroethene	4.04	96	103882	9.253	ug/l 97
13) Acrolein	3.89	56	31983	34.042	ug/l 98
14) Allyl chloride	4.65	41	136147	8.337	ug/l 99
15) Acrylonitrile	5.36	53	119517	38.202	ug/l 100
16) Acetone	4.12	43	94521	34.593	ug/l 99
17) Carbon Disulfide	4.38	76	283357	8.493	ug/l 99
18) Methyl Acetate	4.67	43	62849	8.966	ug/l 99
19) Methyl tert-butyl Ether	5.43	73	152198	11.107	ug/l 94
20) Methylene Chloride	4.92	84	124155	10.351	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	118095	9.724	ug/l 95
22) Diisopropyl ether	6.31	45	325688	9.966	ug/l 96
23) Vinyl Acetate	6.25	43	1098992	48.938	ug/l 99
24) 1,1-Dichloroethane	6.21	63	197863	9.055	ug/l 97
25) 2-Butanone	7.17	43	182398	42.185	ug/l 99
26) 2,2-Dichloropropane	7.16	77	106735	9.822	ug/l 96
27) cis-1,2-Dichloroethene	7.16	96	138247	10.872	ug/l 100
28) Bromochloromethane	7.51	49	81331	9.740	ug/l 100
29) Tetrahydrofuran	7.53	42	124499	44.303	ug/l 98
30) Chloroform	7.67	83	210900	10.142	ug/l 99
31) Cyclohexane	7.95	56	202075	9.161	ug/l # 92
32) 1,1,1-Trichloroethane	7.87	97	165992	10.306	ug/l 97
36) 1,1-Dichloropropene	8.07	75	166371	8.897	ug/l 99
37) Ethyl Acetate	7.25	43	80172	8.046	ug/l 97
38) Carbon Tetrachloride	8.06	117	165017	10.005	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	219952	9.567	ug/l	99
40) Benzene	8.32	78	481810	9.306	ug/l	98
41) Methacrylonitrile	7.48	41	46674	8.335	ug/l	97
42) 1,2-Dichloroethane	8.40	62	136949	9.184	ug/l	99
43) Isopropyl Acetate	8.43	43	163791	9.623	ug/l	99
44) Trichloroethene	9.09	130	136277	10.304	ug/l	96
45) 1,2-Dichloropropane	9.37	63	120051	9.311	ug/l	95
46) Dibromomethane	9.46	93	67423	9.926	ug/l	99
47) Bromodichloromethane	9.64	83	171091	10.453	ug/l	97
48) Methyl methacrylate	9.43	41	74545	9.403	ug/l	99
49) 1,4-Dioxane	9.45	88	24279	206.076	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	419867	43.999	ug/l	100
52) Toluene	10.39	92	321426	10.044	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	174186	10.506	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	202088	10.363	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	100437	10.359	ug/l	95
56) Ethyl methacrylate	10.65	69	136395	10.614	ug/l	98
57) 1,3-Dichloropropane	10.93	76	163865	9.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	277907	45.110	ug/l	100
59) 2-Hexanone	10.97	43	300366	44.580	ug/l	100
60) Dibromochloromethane	11.13	129	125558	11.756	ug/l	97
61) 1,2-Dibromoethane	11.23	107	98863	10.562	ug/l	100
64) Tetrachloroethene	10.86	164	116396	10.330	ug/l	96
65) Chlorobenzene	11.66	112	342122	10.193	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	126374	10.998	ug/l	99
67) Ethyl Benzene	11.73	91	617930	10.152	ug/l	100
68) m/p-Xylenes	11.84	106	481204	21.091	ug/l	98
69) o-Xylene	12.16	106	233545	11.207	ug/l	99
70) Styrene	12.18	104	401055	11.062	ug/l	99
71) Bromoform	12.35	173	72172	10.857	ug/l #	99
73) Isopropylbenzene	12.46	105	609933	10.746	ug/l	98
74) N-amyl acetate	12.27	43	161745	10.788	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	116473	9.347	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	151691	16.928	ug/l #	100
77) Bromobenzene	12.75	156	141813	10.900	ug/l	99
78) n-propylbenzene	12.80	91	728266	10.486	ug/l	100
79) 2-Chlorotoluene	12.89	91	418776	10.477	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	531178	11.067	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42052	10.369	ug/l	94
82) 4-Chlorotoluene	12.99	91	440156	10.520	ug/l	99
83) tert-Butylbenzene	13.21	119	446280	11.107	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	532042	11.133	ug/l	99
85) sec-Butylbenzene	13.38	105	639159	10.872	ug/l	99
86) p-Isopropyltoluene	13.50	119	580568	11.100	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	276265	10.731	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	278058	10.832	ug/l	97
89) n-Butylbenzene	13.83	91	548237	10.530	ug/l	100
90) Hexachloroethane	14.10	117	115085	11.595	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	256074	11.147	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21565	9.508	ug/l	99

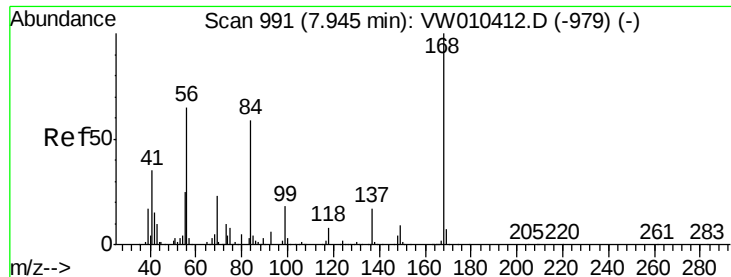
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	175613	11.250	ug/l	97
94) Hexachlorobutadiene	15.24	225	85753	8.849	ug/l	96
95) Naphthalene	15.37	128	378106	11.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	152876	10.809	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

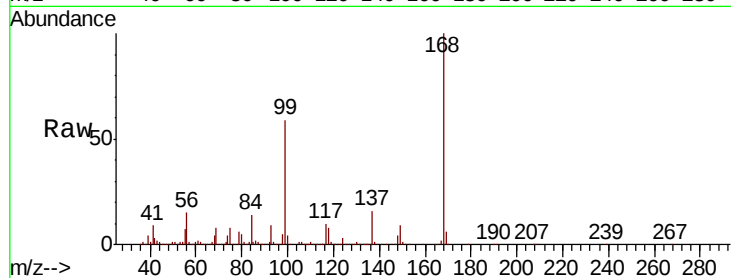
VSTDIC010

Tgt Ion:168 Resp: 1045696

Ion Ratio Lower Upper

168 100

99 58.9 45.6 68.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

500000

400000

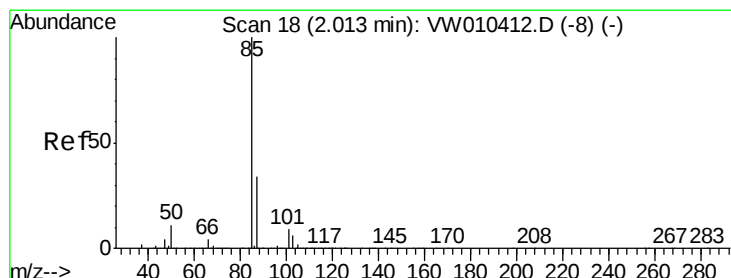
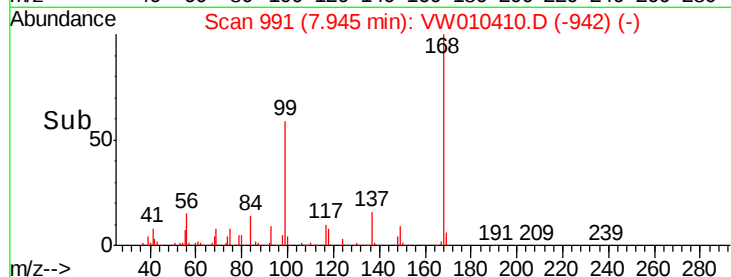
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 6.984 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010410.D

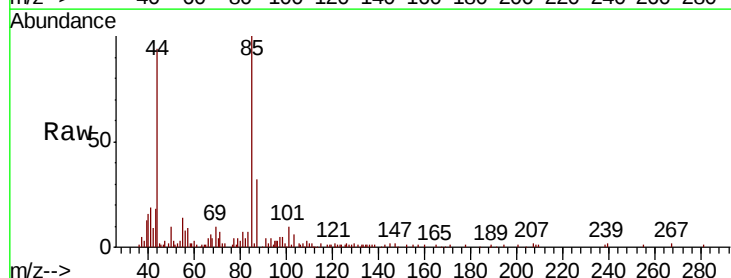
Acq: 16 May 2019 19:09

Tgt Ion: 85 Resp: 56902

Ion Ratio Lower Upper

85 100

87 32.6 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

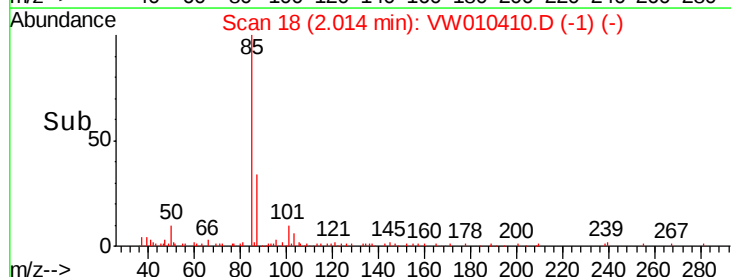
15000

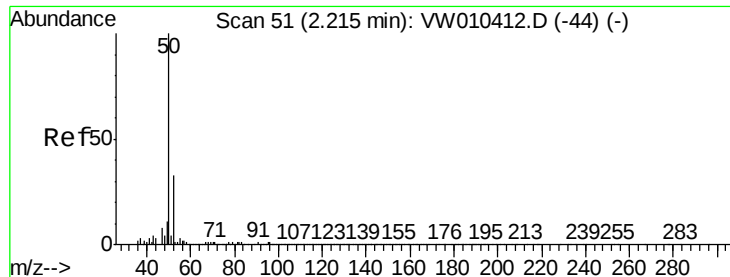
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 7.660 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

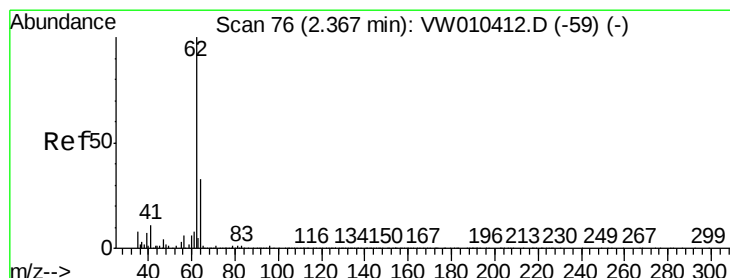
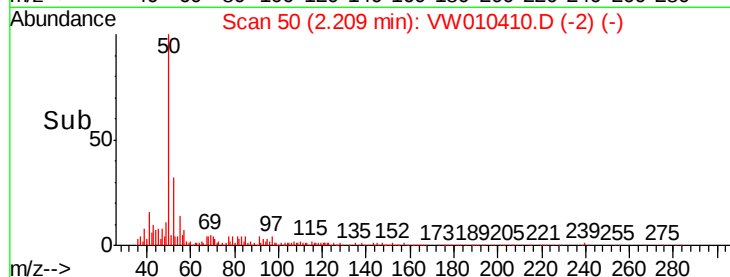
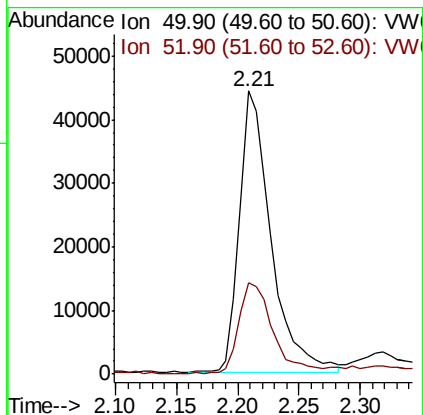
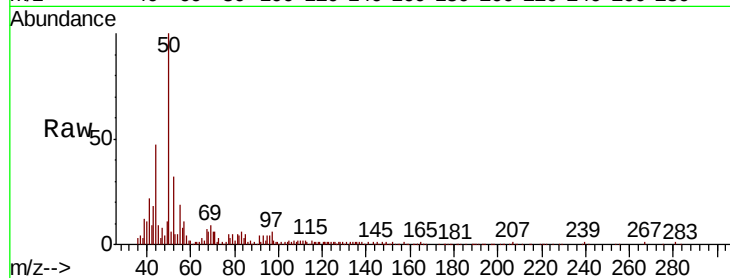
VSTDIC010

Tgt Ion: 50 Resp: 79356

Ion Ratio Lower Upper

50 100

52 32.2 26.2 39.2



#4

Vinyl Chloride

Concen: 8.712 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010410.D

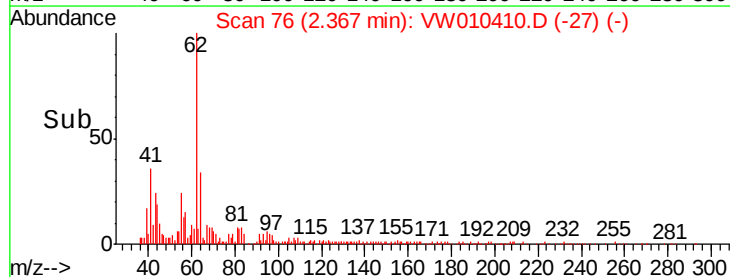
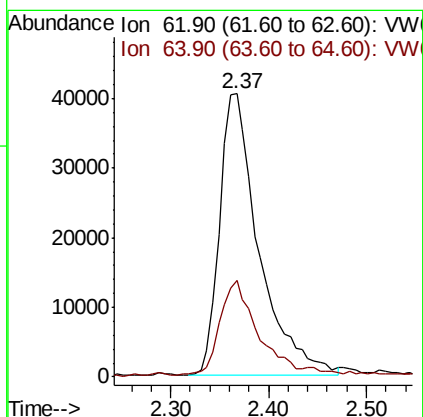
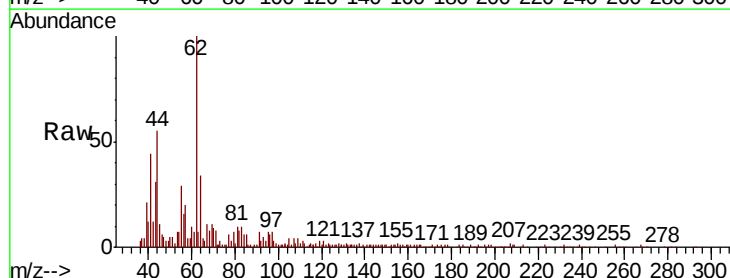
Acq: 16 May 2019 19:09

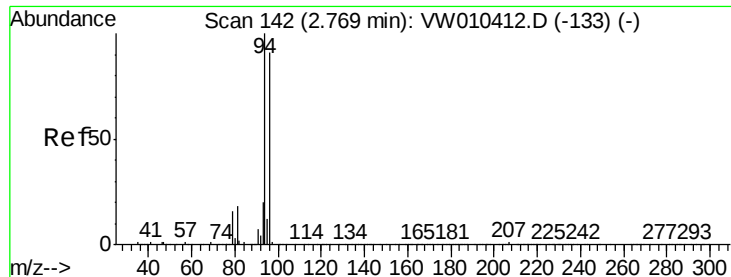
Tgt Ion: 62 Resp: 113181

Ion Ratio Lower Upper

62 100

64 33.1 26.2 39.2





#5

Bromomethane

Concen: 9.750 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

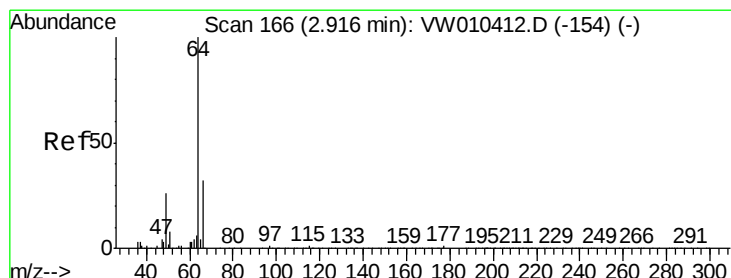
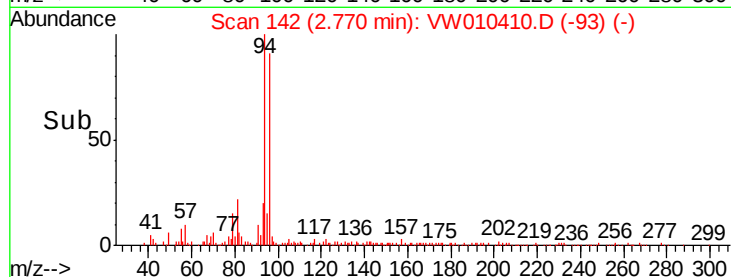
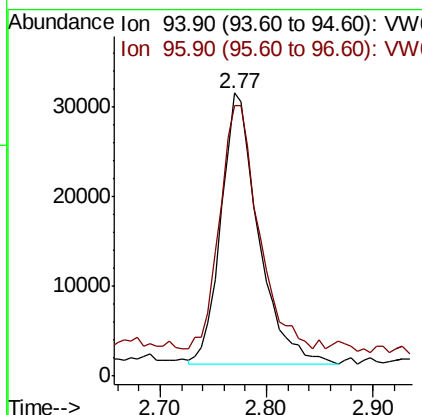
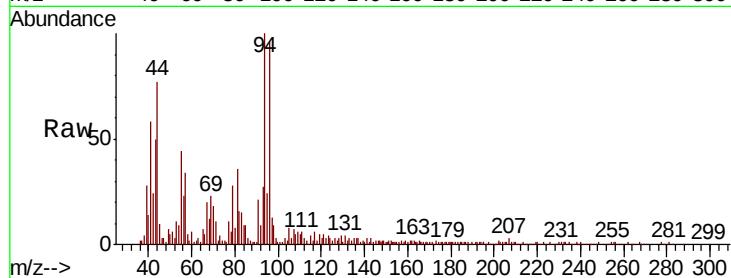
VSTDIC010

Tgt Ion: 94 Resp: 74627

Ion Ratio Lower Upper

94 100

96 89.7 73.4 110.2



#6

Chloroethane

Concen: 8.621 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010410.D

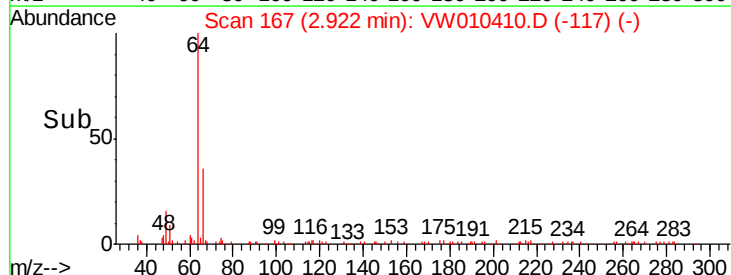
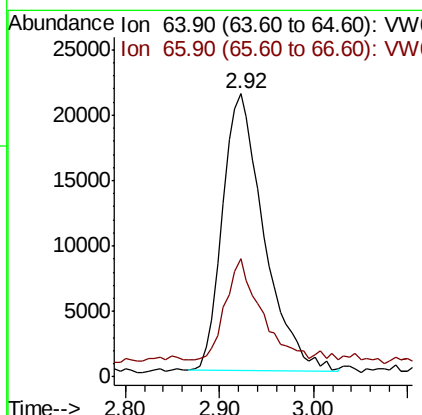
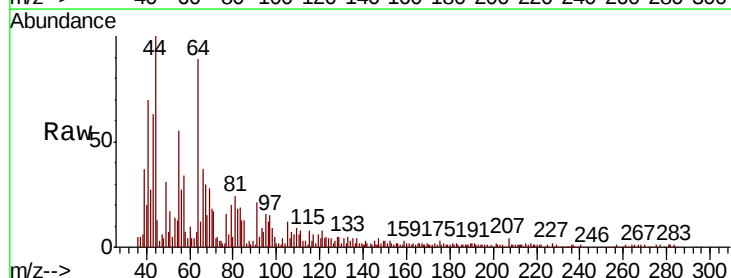
Acq: 16 May 2019 19:09

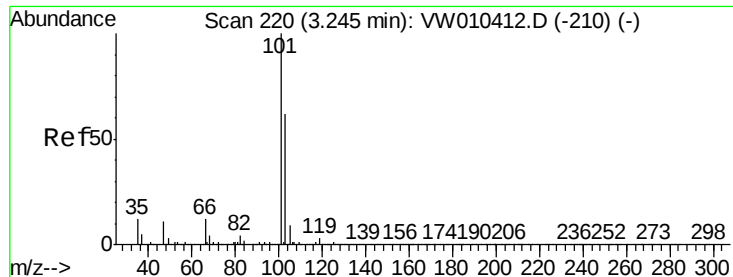
Tgt Ion: 64 Resp: 64849

Ion Ratio Lower Upper

64 100

66 36.5 25.4 38.0



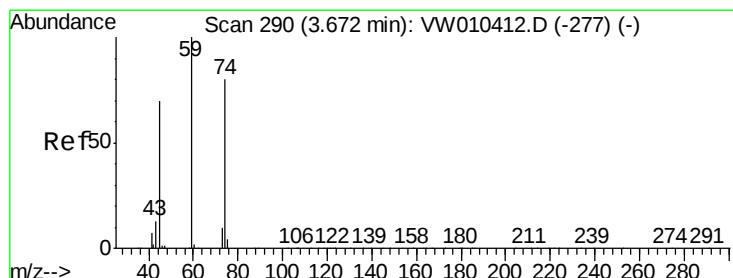
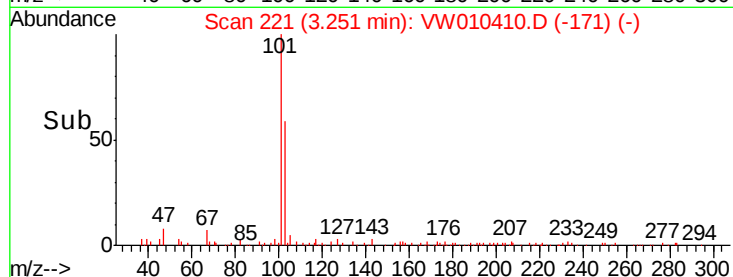
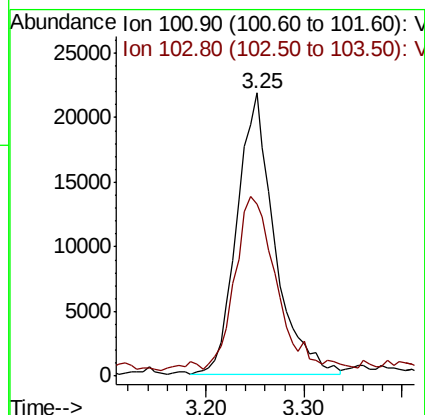
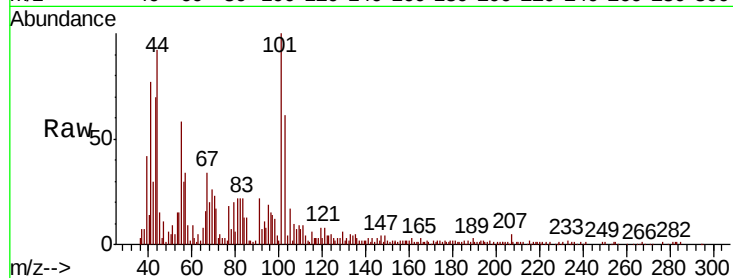


#7

Trichlorofluoromethane
Concen: 8.788 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.01 min
Lab File: VW010410.D
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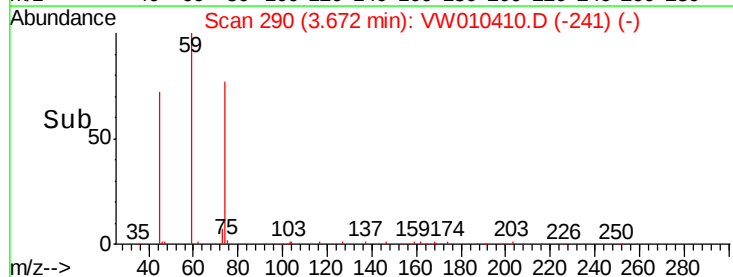
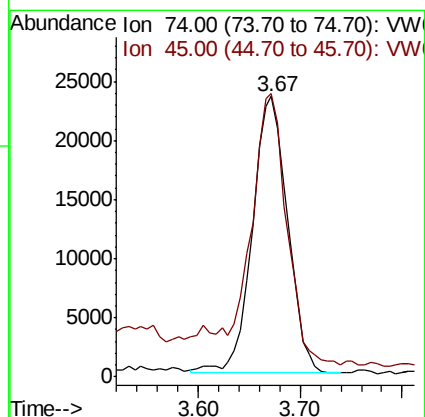
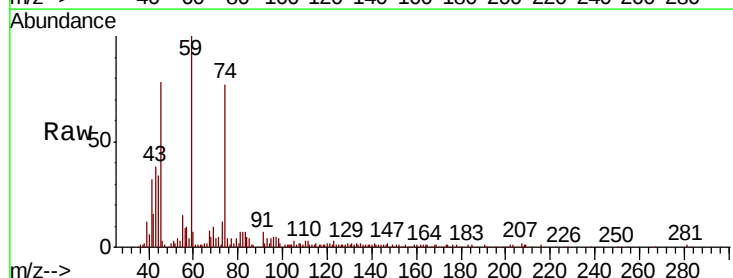
Tgt Ion:101 Resp: 58156
Ion Ratio Lower Upper
101 100
103 56.8 49.9 74.9

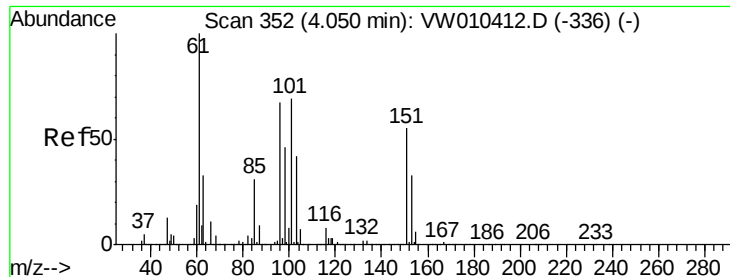


#8

Diethyl Ether
Concen: 9.640 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion: 74 Resp: 55971
Ion Ratio Lower Upper
74 100
45 97.5 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.428 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

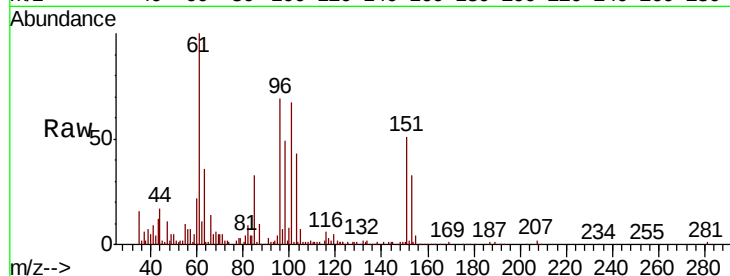
Tgt Ion:101 Resp: 101286

Ion Ratio Lower Upper

101 100

85 41.0 35.0 52.4

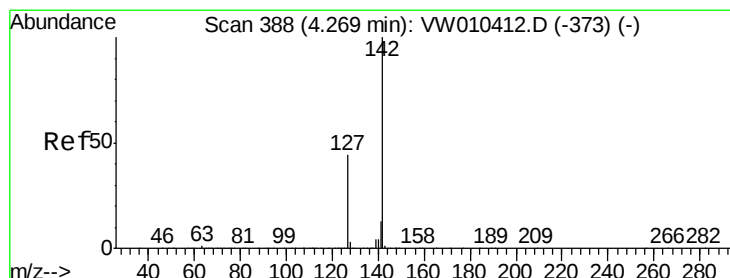
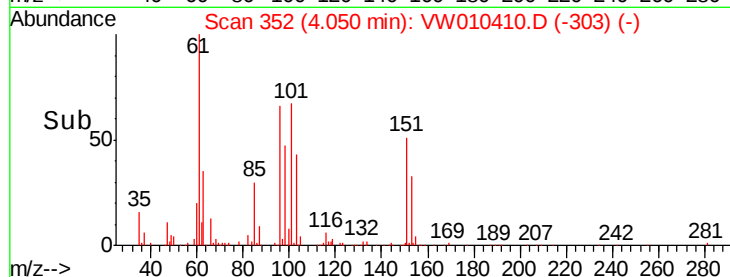
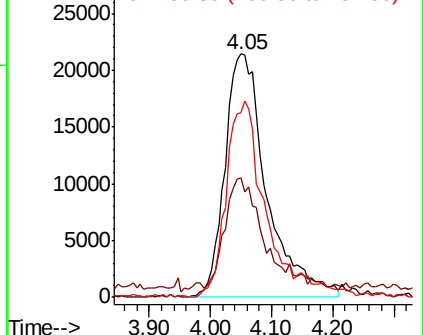
151 71.0 61.8 92.6



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: 10.419 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

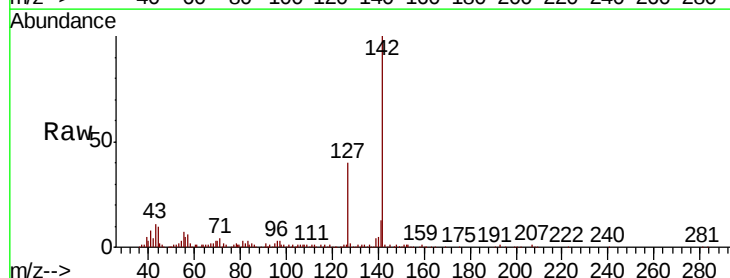
Tgt Ion:142 Resp: 161766

Ion Ratio Lower Upper

142 100

127 42.4 34.5 51.7

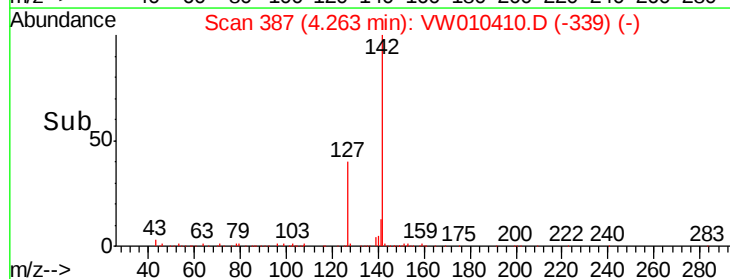
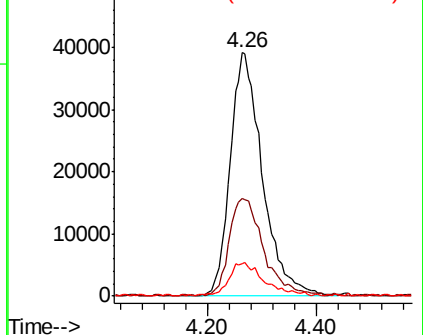
141 15.1 11.4 17.0

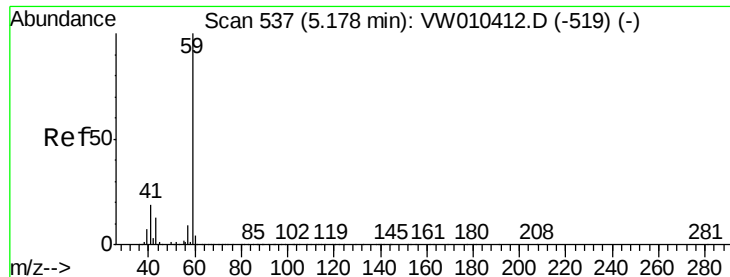


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



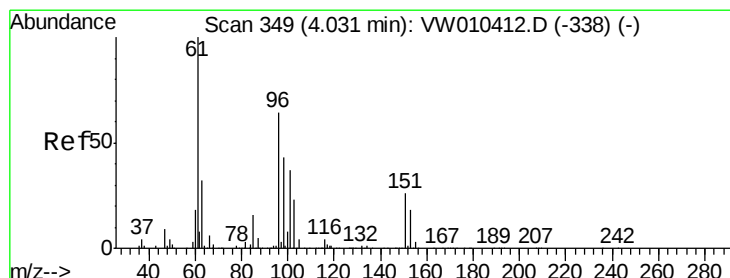
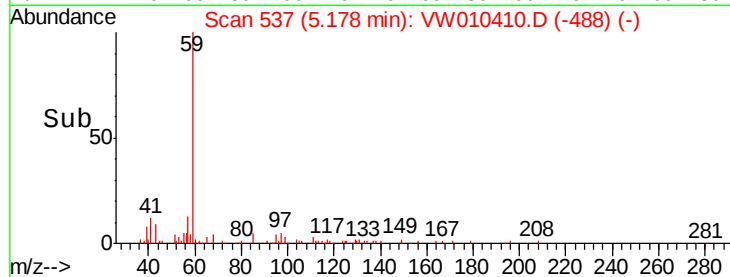
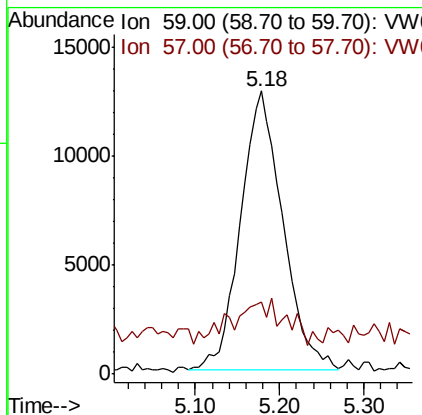
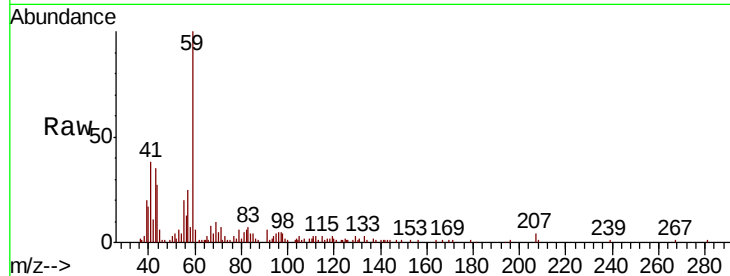


#11

Tert butyl alcohol
 Concen: 53.839 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

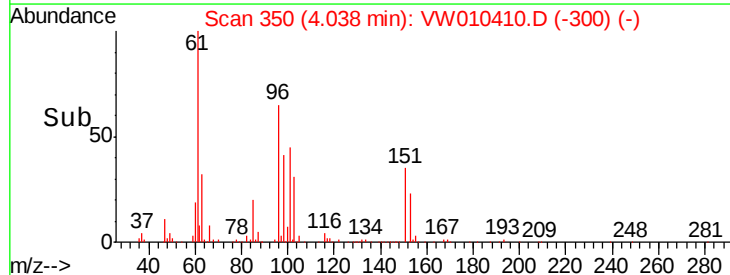
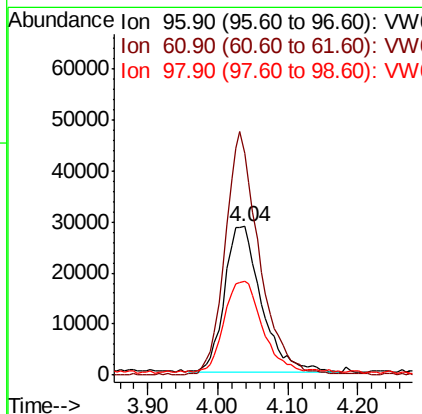
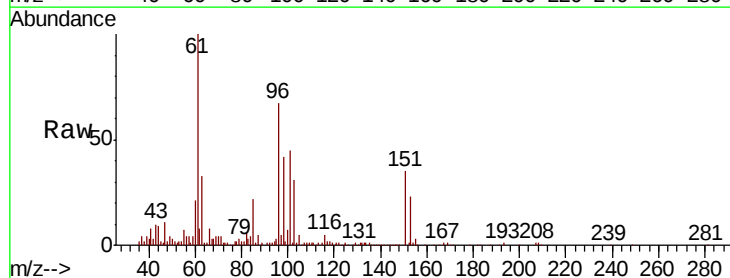
Tgt Ion: 59 Resp: 43612
 Ion Ratio Lower Upper
 59 100
 57 6.4 8.7 13.1#

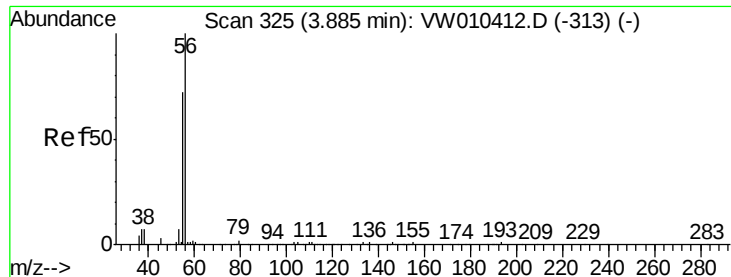


#12

1,1-Dichloroethene
 Concen: 9.253 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion: 96 Resp: 103882
 Ion Ratio Lower Upper
 96 100
 61 151.9 124.1 186.1
 98 62.0 53.4 80.0





#13

Acrolein

Concen: 34.042 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

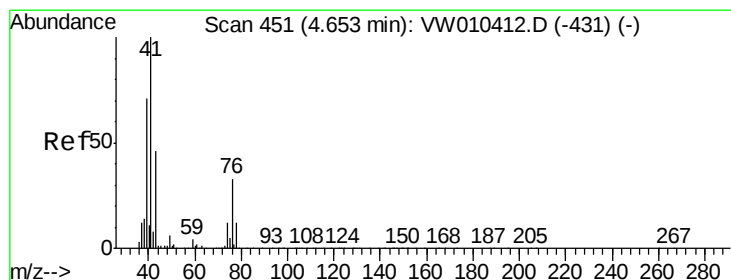
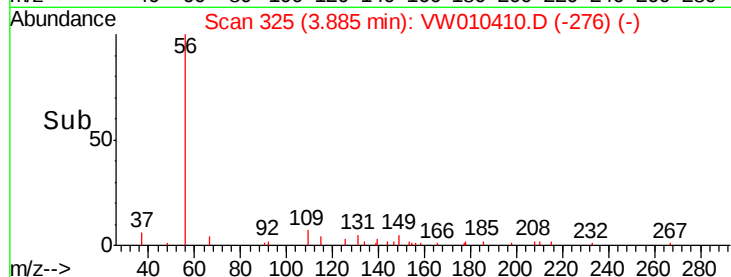
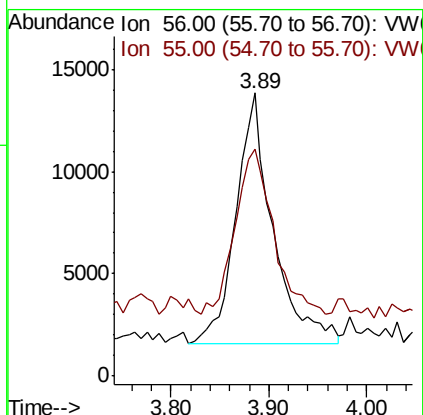
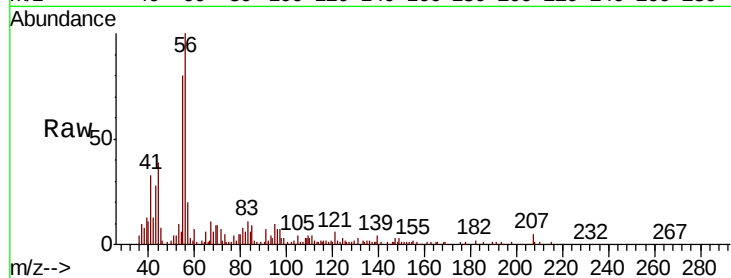
VSTDIC010

Tgt Ion: 56 Resp: 31983

Ion Ratio Lower Upper

56 100

55 68.7 56.1 84.1



#14

Allyl chloride

Concen: 8.337 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

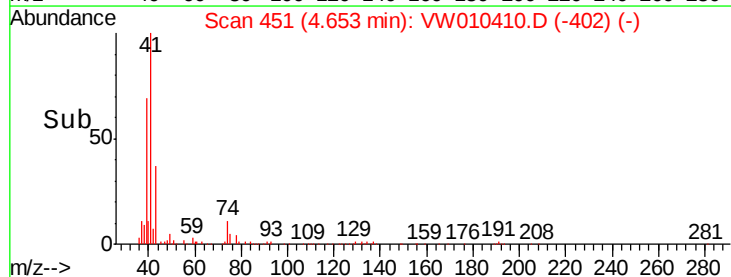
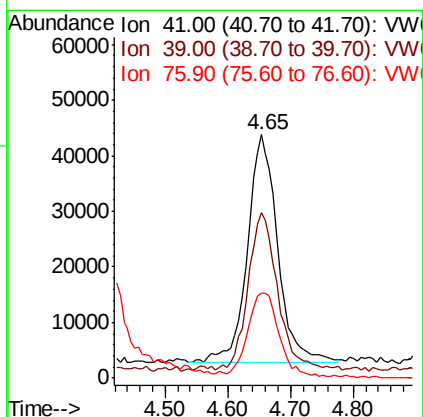
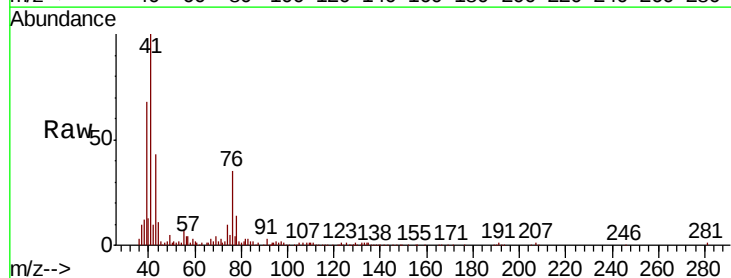
Tgt Ion: 41 Resp: 136147

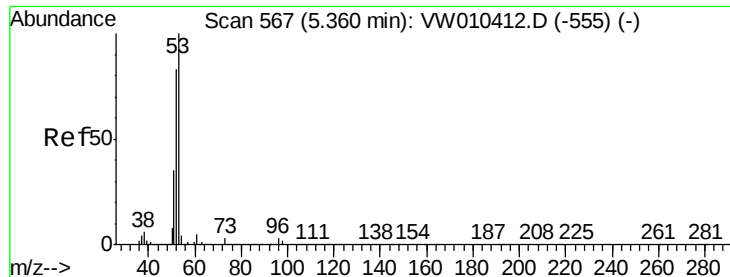
Ion Ratio Lower Upper

41 100

39 68.6 54.3 81.5

76 38.4 30.7 46.1





#15

Acrylonitrile

Concen: 38.202 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

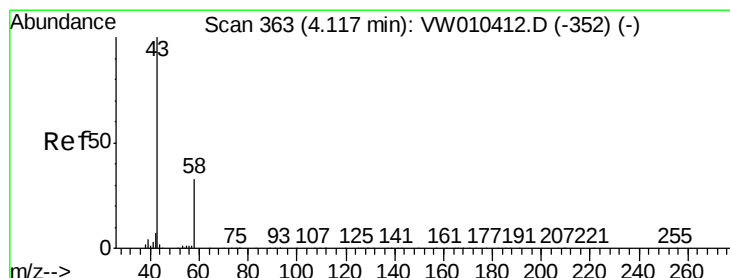
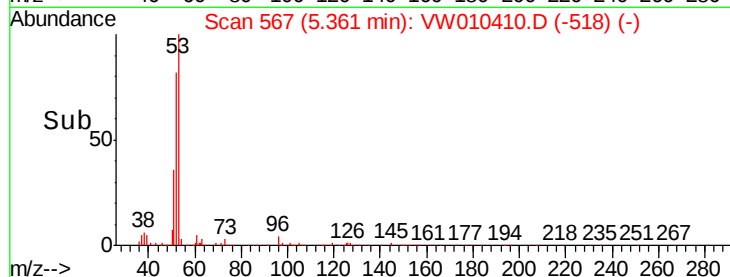
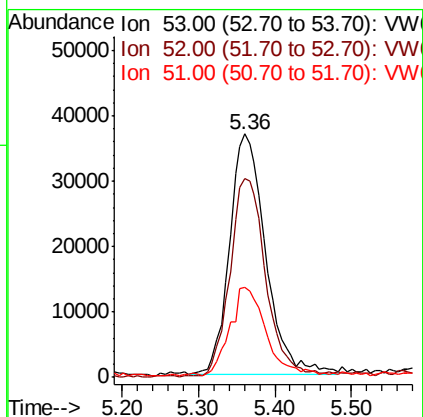
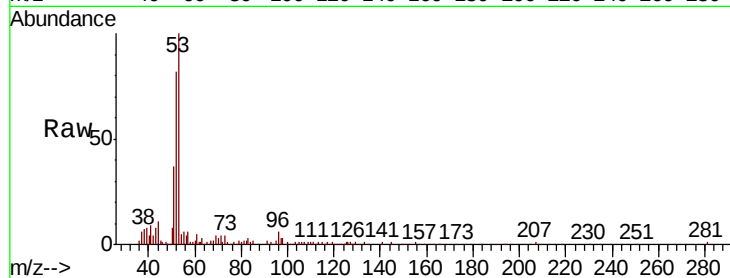
Tgt Ion: 53 Resp: 119517

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

51 35.5 28.9 43.3



#16

Acetone

Concen: 34.593 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010410.D

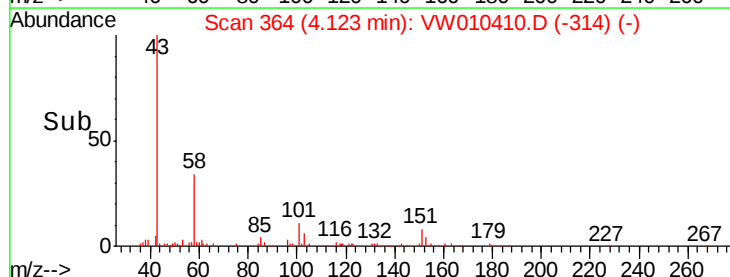
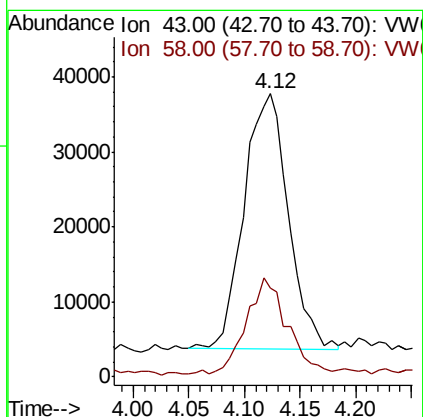
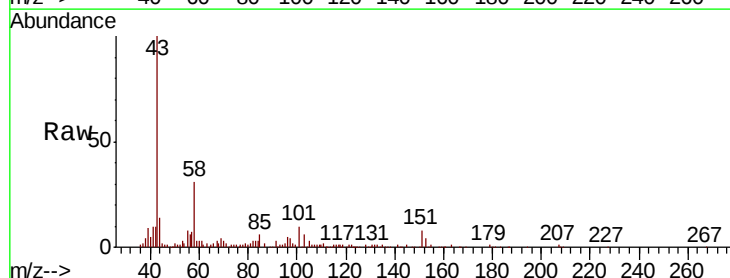
Acq: 16 May 2019 19:09

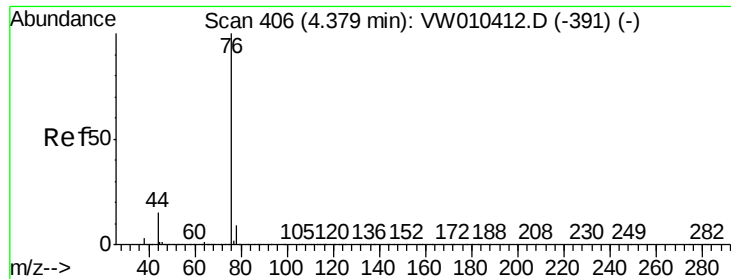
Tgt Ion: 43 Resp: 94521

Ion Ratio Lower Upper

43 100

58 33.4 26.5 39.7

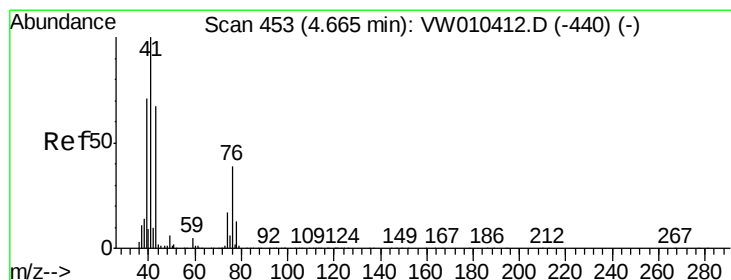
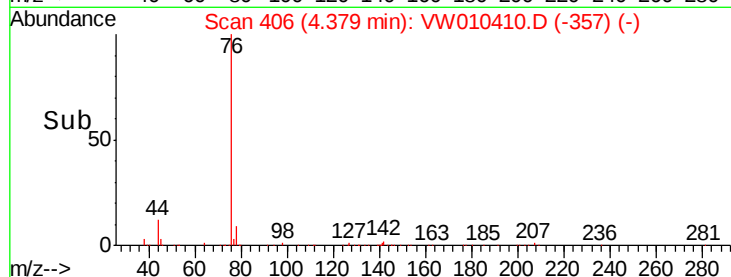
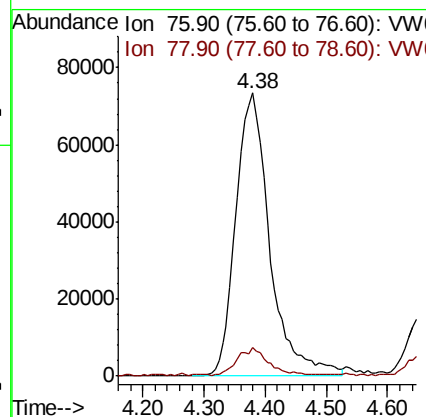
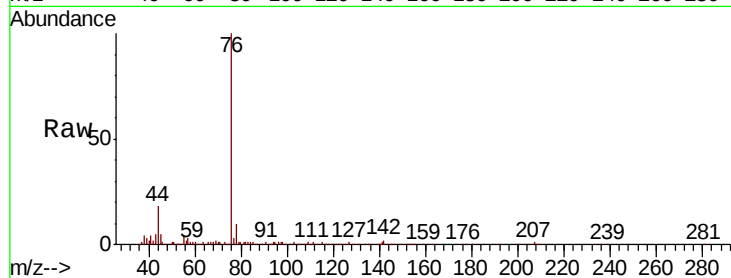




#17
Carbon Disulfide
Concen: 8.493 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

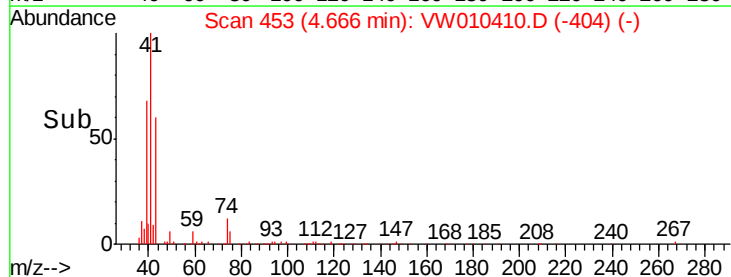
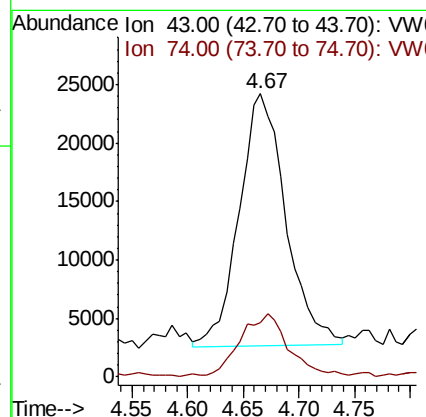
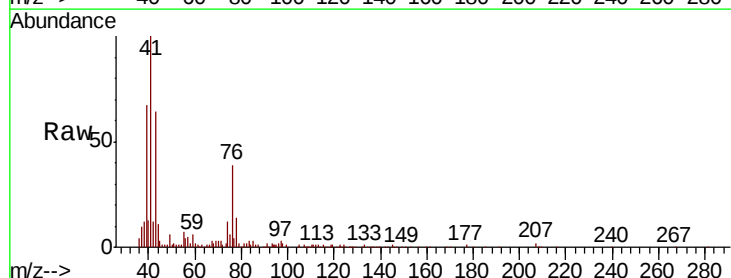
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

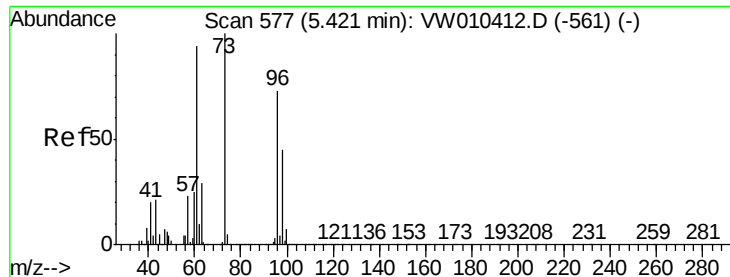
Tgt Ion: 76 Resp: 283357
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 8.966 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion: 43 Resp: 62849
Ion Ratio Lower Upper
43 100
74 25.4 20.7 31.1





#19

Methyl tert-butyl Ether

Concen: 11.107 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

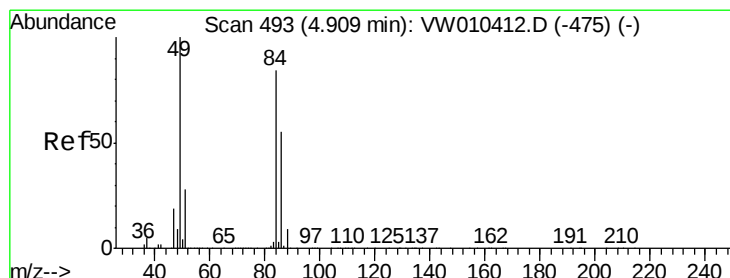
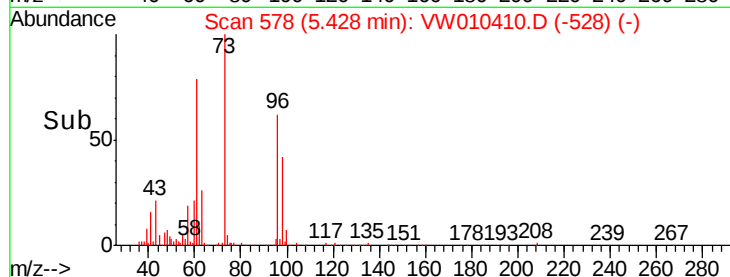
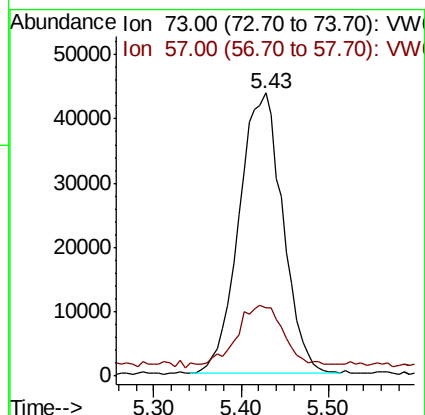
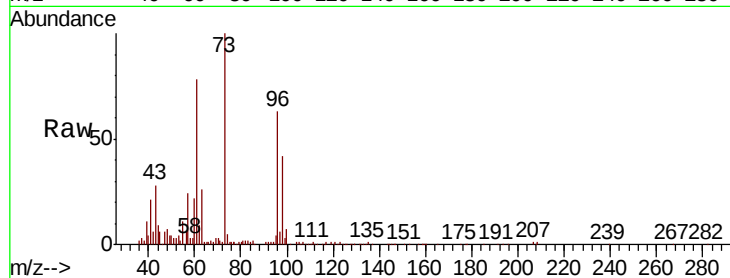
VSTDIC010

Tgt Ion: 73 Resp: 152198

Ion Ratio Lower Upper

73 100

57 20.0 18.2 27.4



#20

Methylene Chloride

Concen: 10.351 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Tgt Ion: 84 Resp: 124155

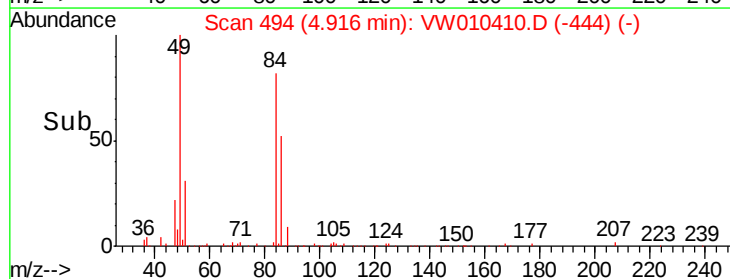
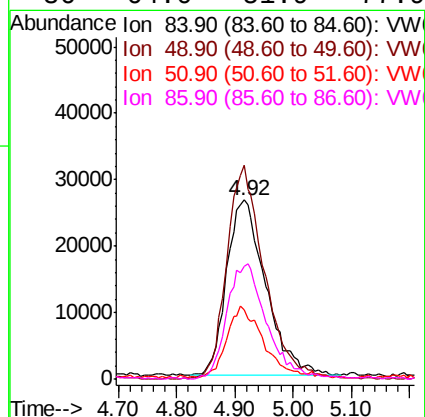
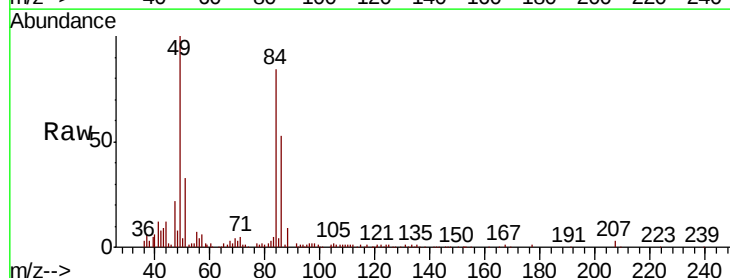
Ion Ratio Lower Upper

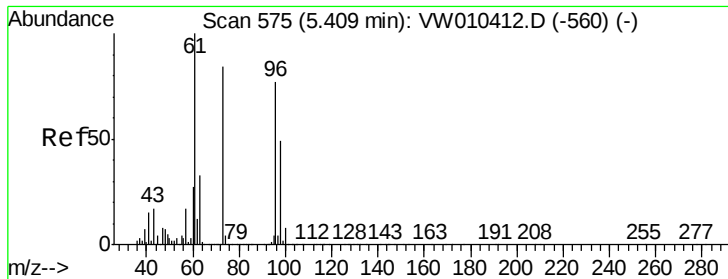
84 100

49 121.1 95.0 142.4

51 38.3 27.0 40.4

86 64.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 9.724 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

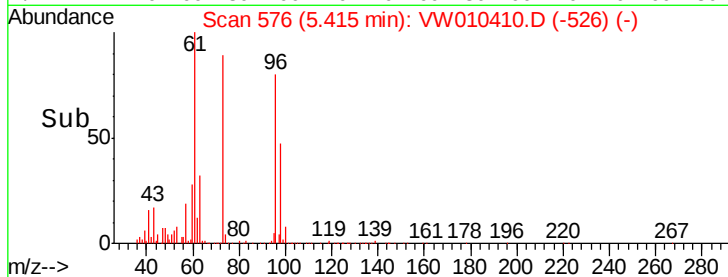
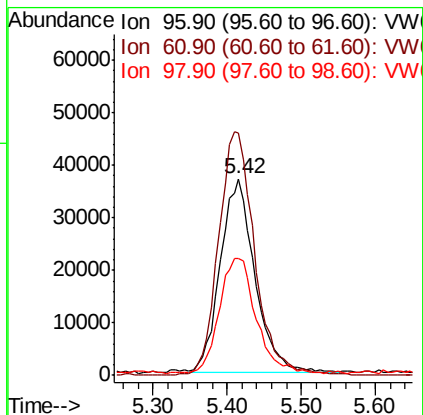
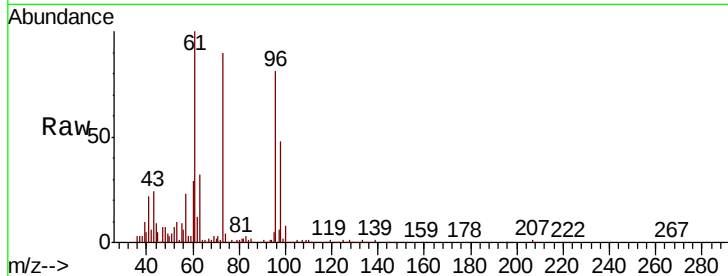
Tgt Ion: 96 Resp: 118095

Ion Ratio Lower Upper

96 100

61 124.6 103.6 155.4

98 59.0 50.4 75.6



#22

Diisopropyl ether

Concen: 9.966 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Tgt Ion: 45 Resp: 325688

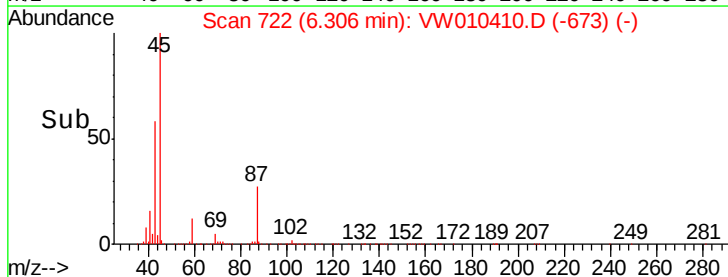
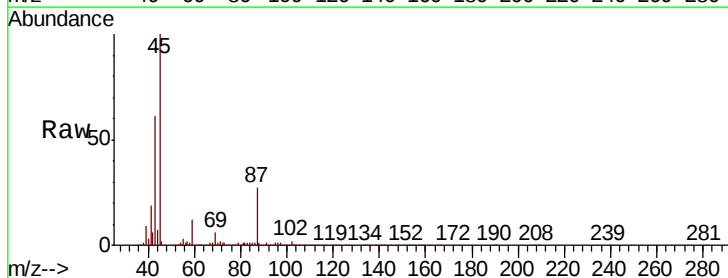
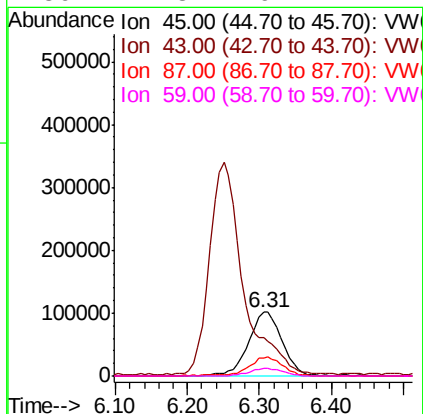
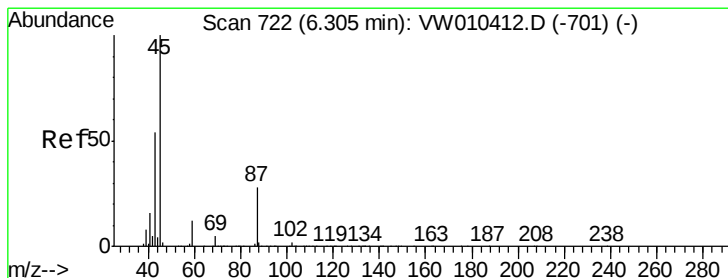
Ion Ratio Lower Upper

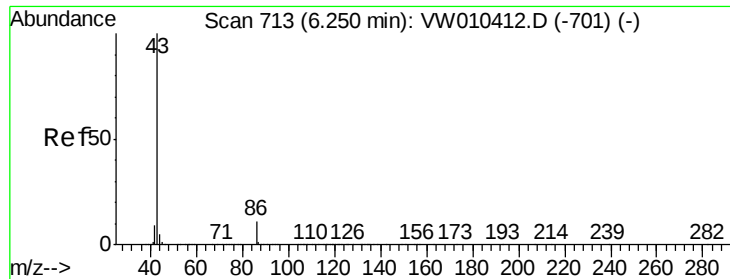
45 100

43 57.8 43.1 64.7

87 27.0 22.7 34.1

59 11.8 9.4 14.2

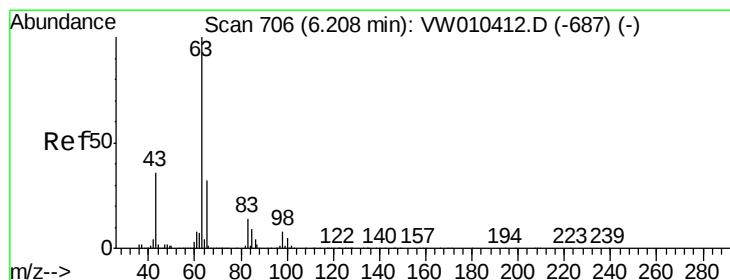
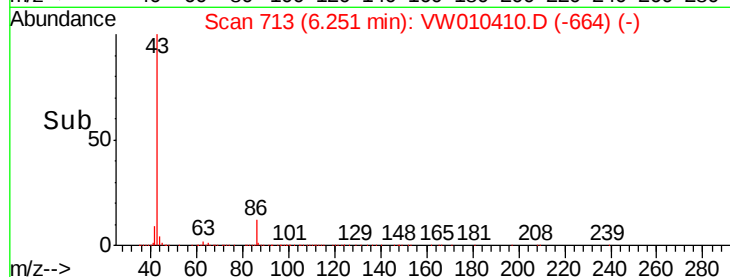
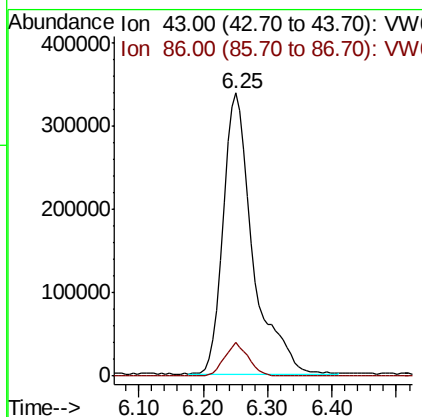
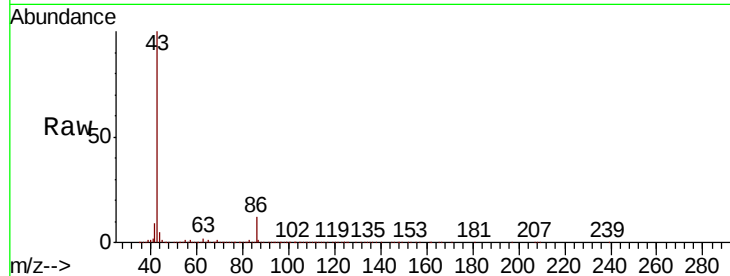




#23
 Vinyl Acetate
 Concen: 48.938 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

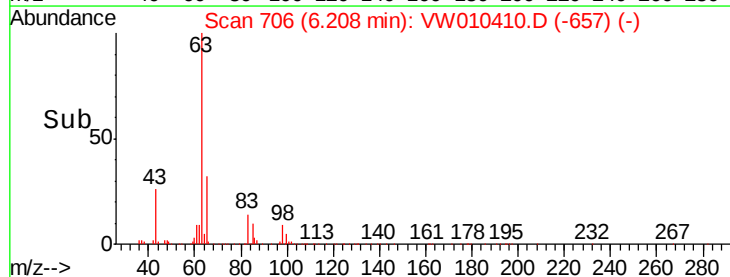
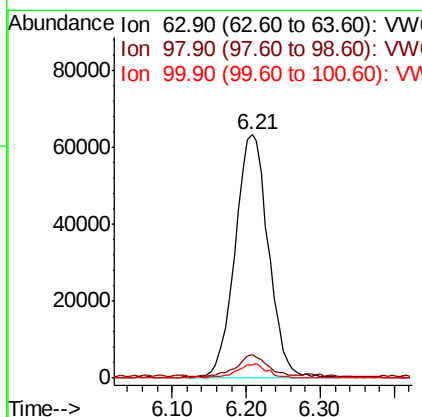
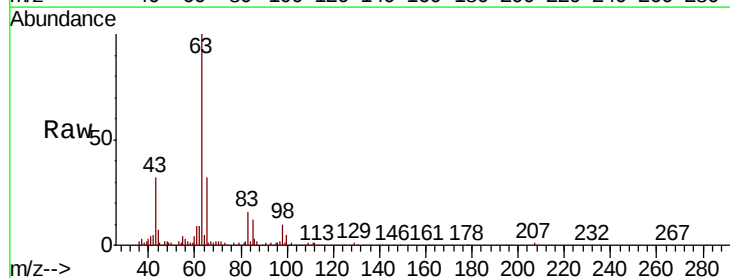
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

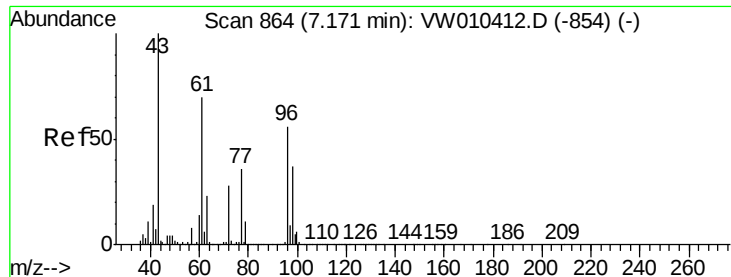
Tgt Ion: 43 Resp: 1098992
 Ion Ratio Lower Upper
 43 100
 86 11.8 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 9.055 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion: 63 Resp: 197863
 Ion Ratio Lower Upper
 63 100
 98 9.3 4.1 12.3
 100 5.3 2.4 7.2





#25

2-Butanone

Concen: 42.185 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

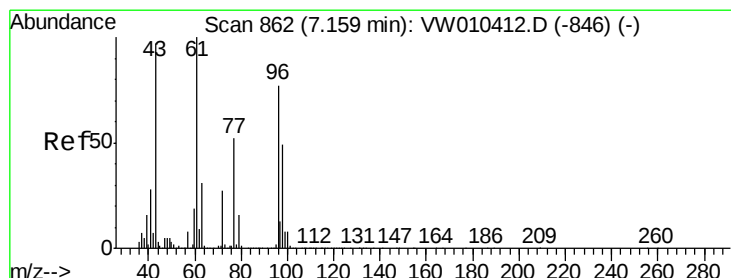
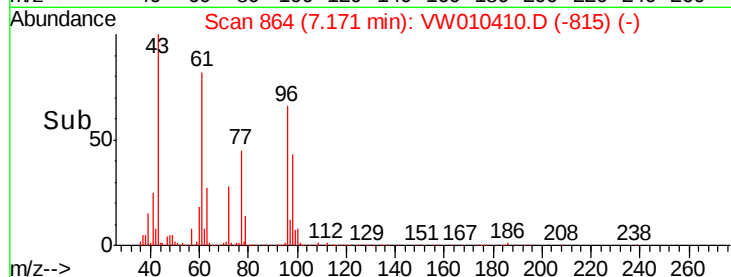
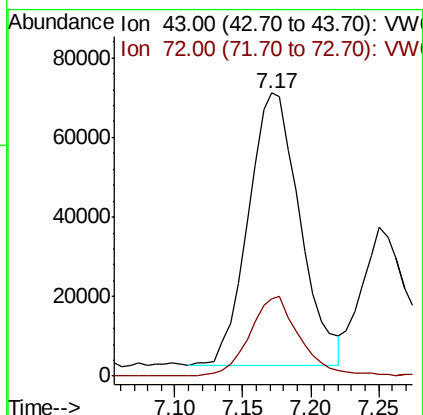
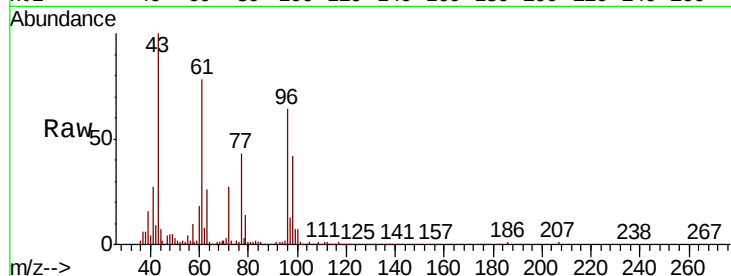
VSTDIC010

Tgt Ion: 43 Resp: 182398

Ion Ratio Lower Upper

43 100

72 28.0 22.1 33.1



#26

2,2-Dichloropropane

Concen: 9.822 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010410.D

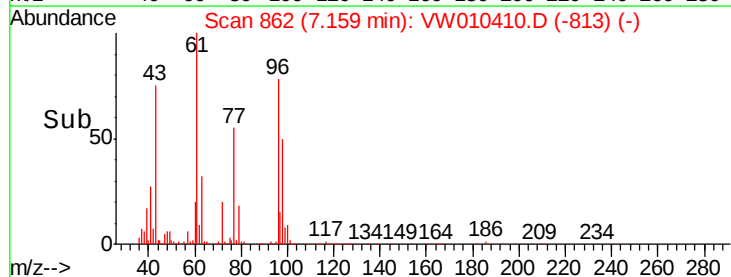
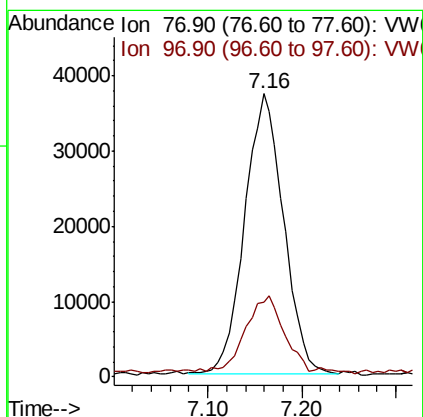
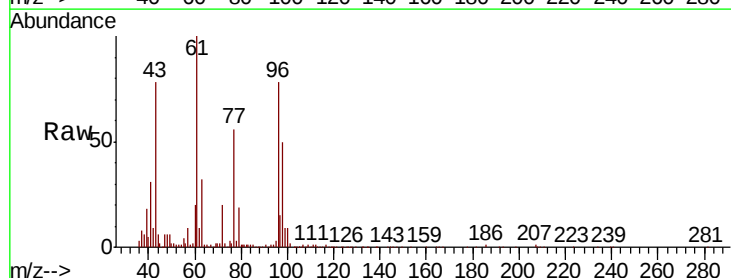
Acq: 16 May 2019 19:09

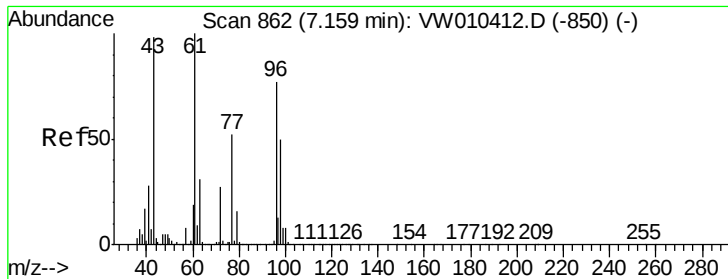
Tgt Ion: 77 Resp: 106735

Ion Ratio Lower Upper

77 100

97 27.5 12.7 38.0



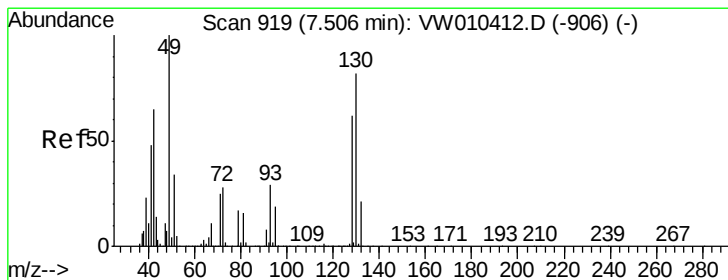
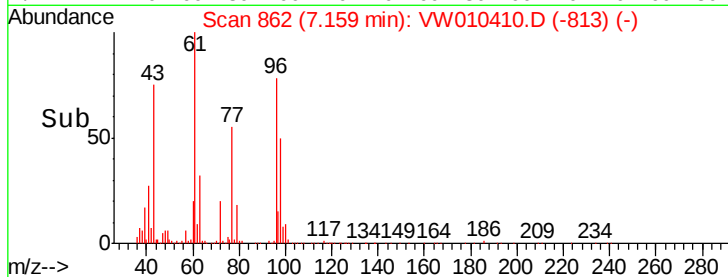
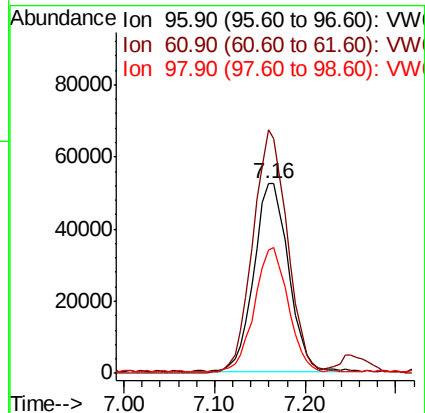
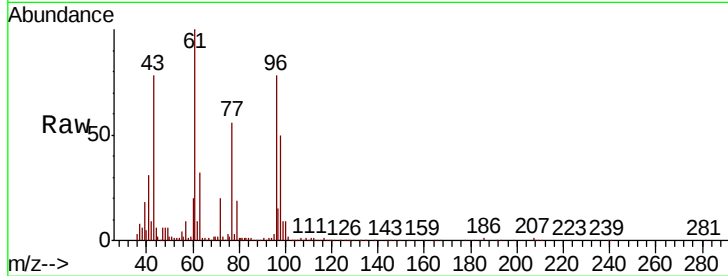


#27

cis-1,2-Dichloroethene
Concen: 10.872 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

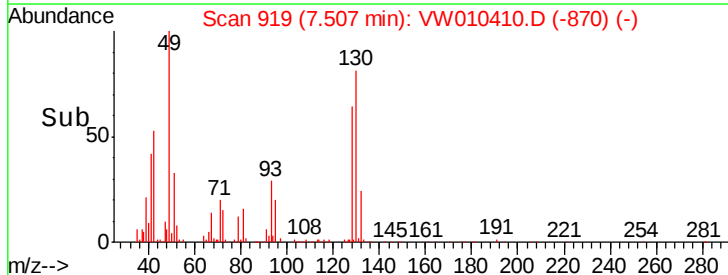
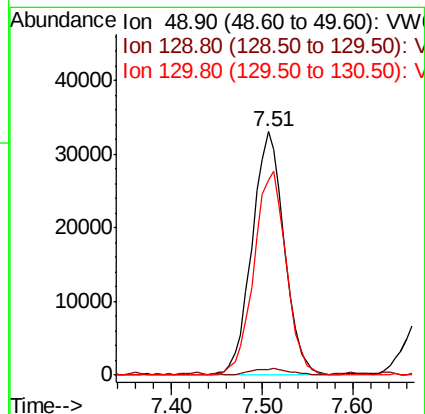
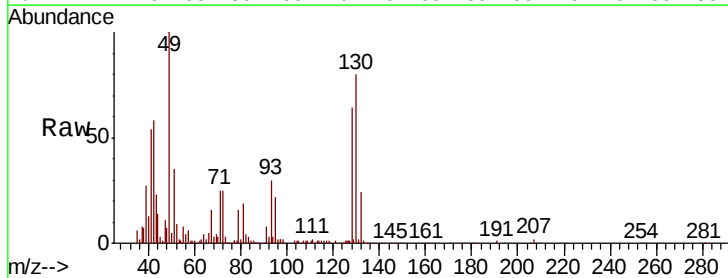
Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	257.8
98	64.5	0.0	128.4

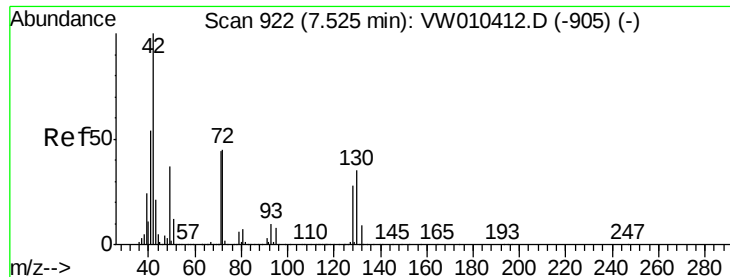


#28

Bromochloromethane
Concen: 9.740 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	4.8
130	83.6	67.0	100.4





#29

Tetrahydrofuran

Concen: 44.303 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

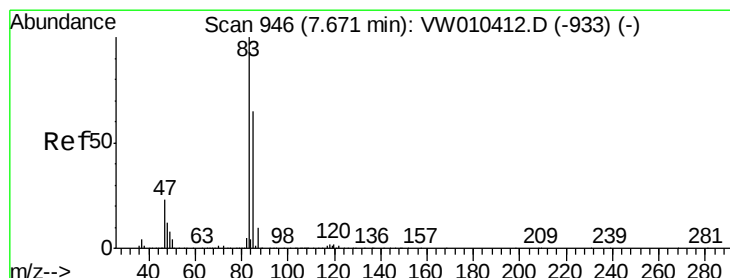
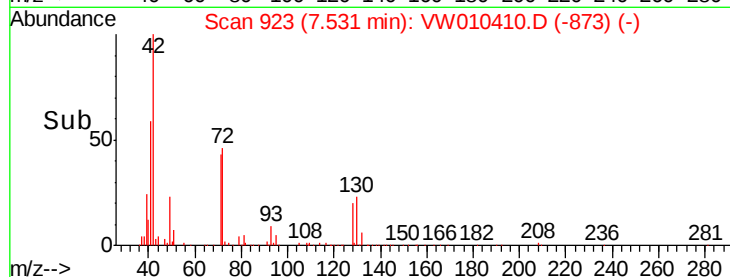
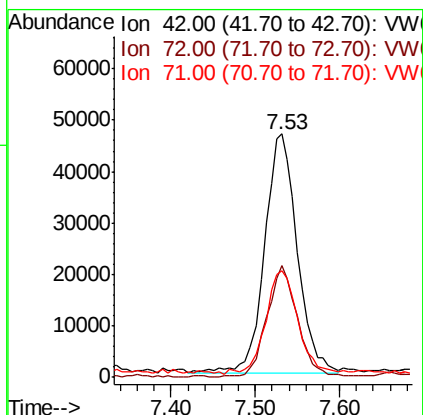
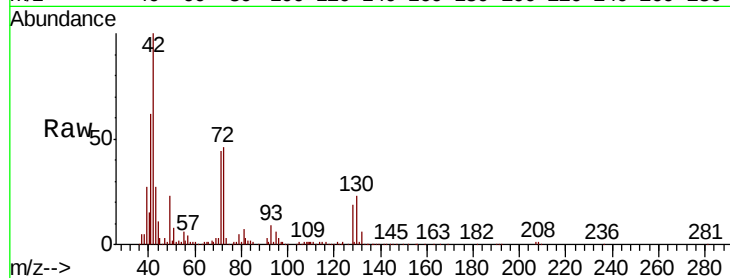
Tgt Ion: 42 Resp: 124499

Ion Ratio Lower Upper

42 100

72 42.4 35.6 53.4

71 43.1 33.7 50.5



#30

Chloroform

Concen: 10.142 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010410.D

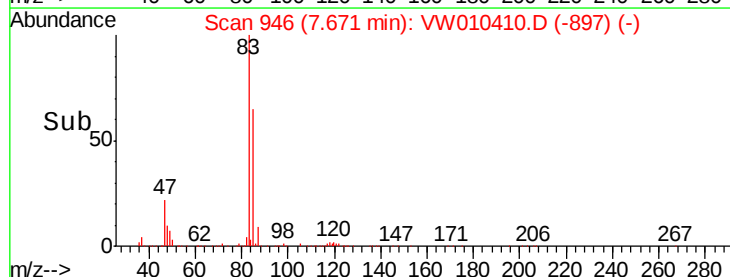
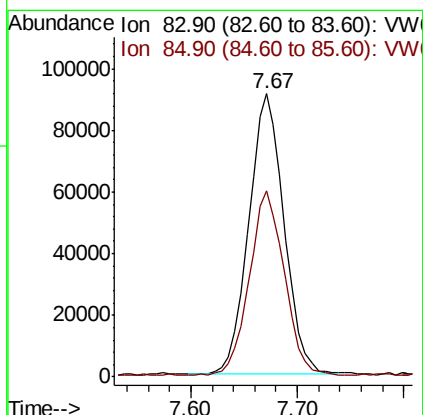
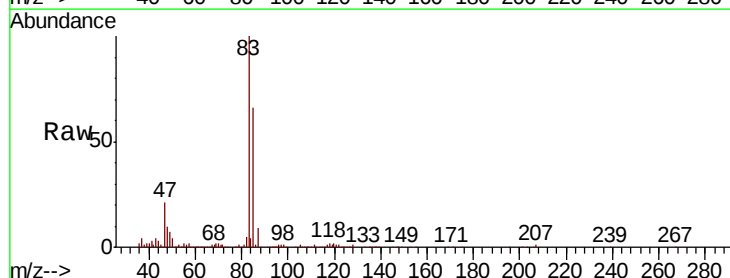
Acq: 16 May 2019 19:09

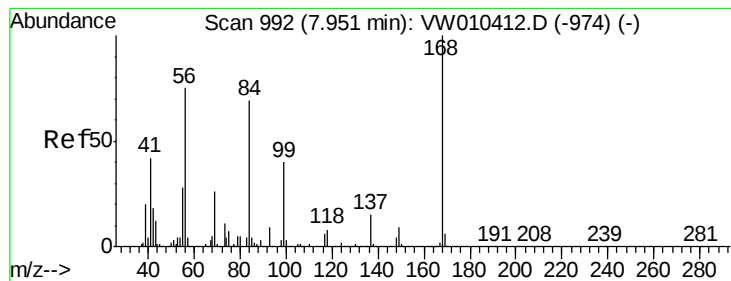
Tgt Ion: 83 Resp: 210900

Ion Ratio Lower Upper

83 100

85 65.4 52.0 78.0





#31

Cyclohexane

Concen: 9.161 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

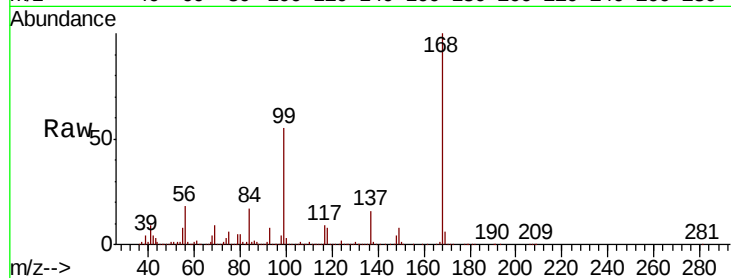
Tgt Ion: 56 Resp: 202075

Ion Ratio Lower Upper

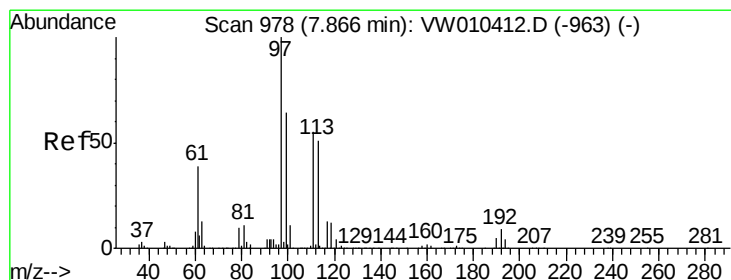
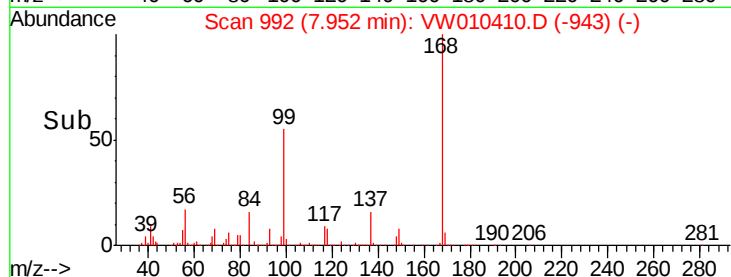
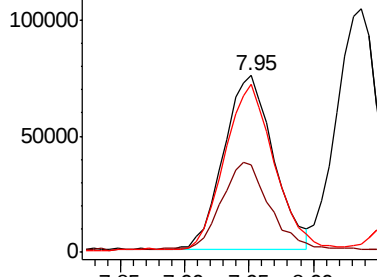
56 100

69 49.0 27.9 41.9#

84 94.5 73.9 110.9



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



#32

1,1,1-Trichloroethane

Concen: 10.306 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

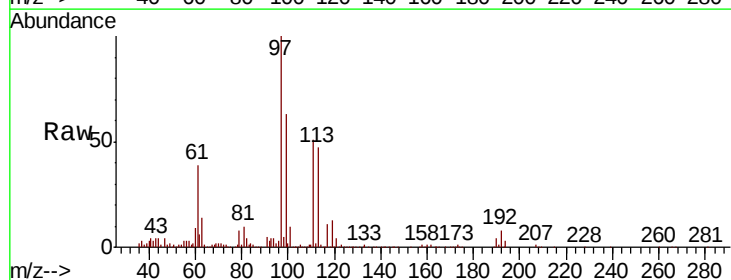
Tgt Ion: 97 Resp: 165992

Ion Ratio Lower Upper

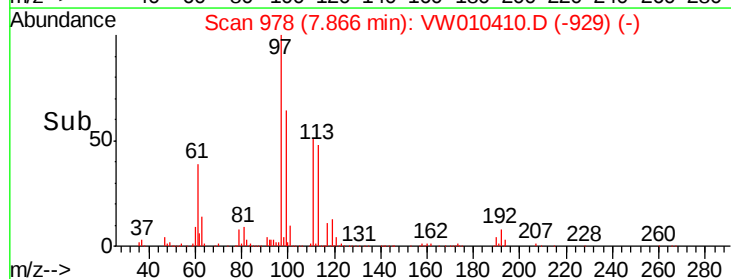
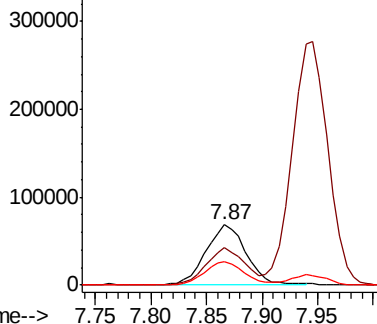
97 100

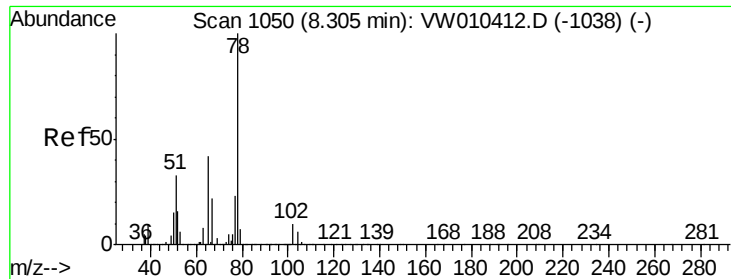
99 60.9 50.6 76.0

61 41.1 31.9 47.9



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

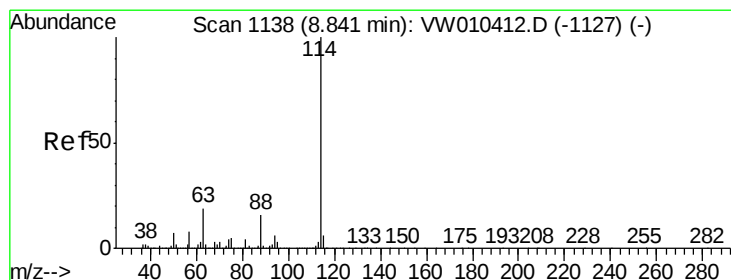
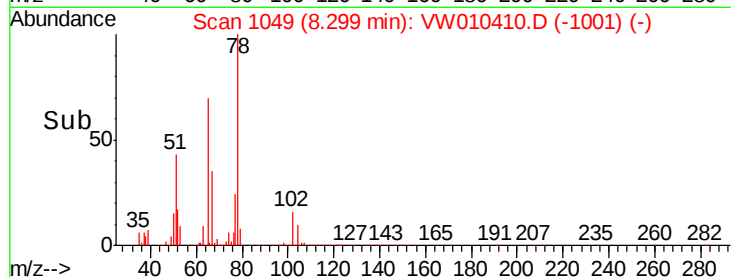
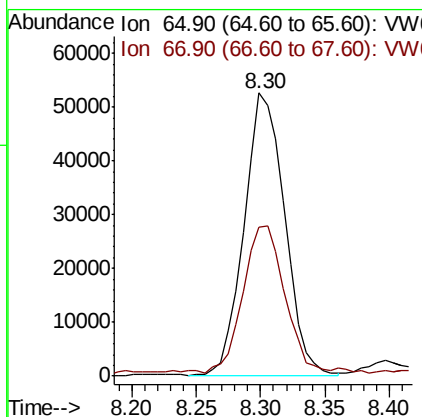
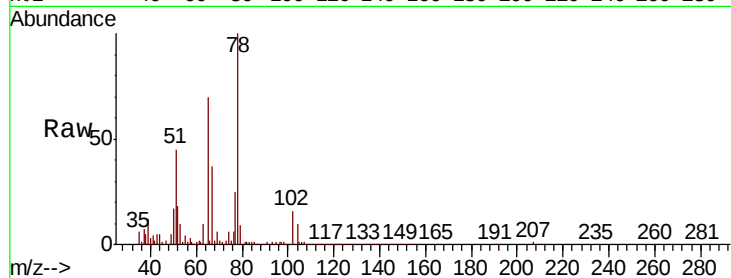




#33
 1,2-Dichloroethane-d4
 Concen: 10.192 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

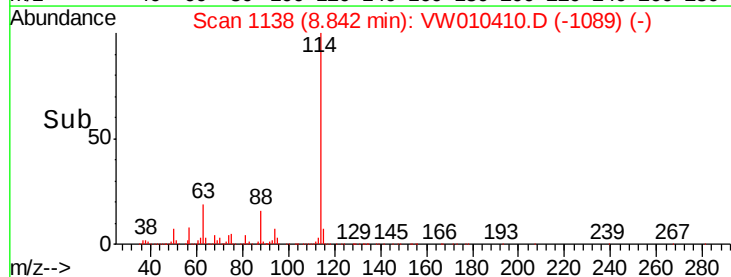
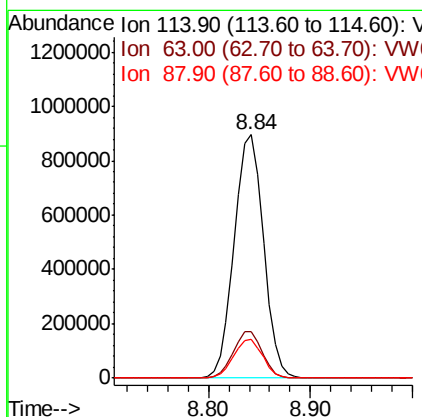
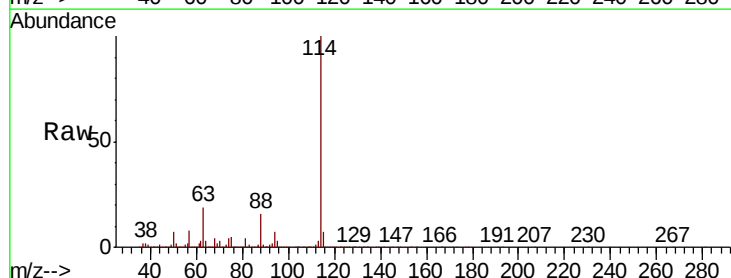
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

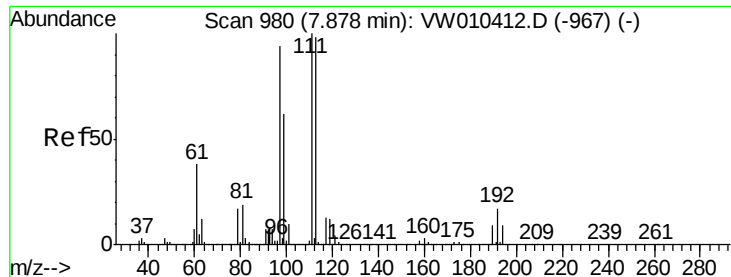
Tgt Ion: 65 Resp: 113849
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion: 114 Resp: 1784241
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.6
 88 16.1 0.0 32.0

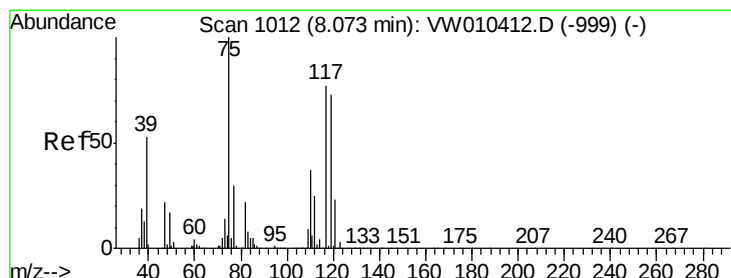
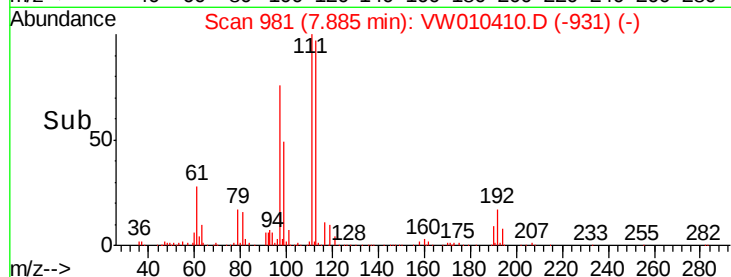
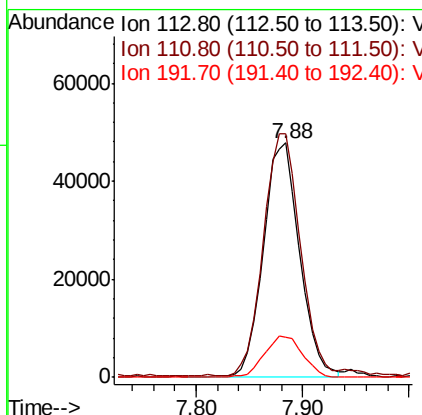
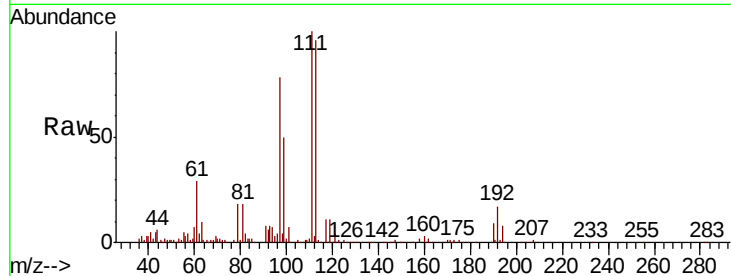




#35
 Dibromofluoromethane
 Concen: 10.731 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

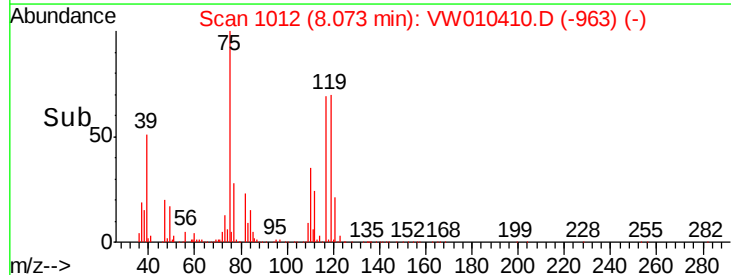
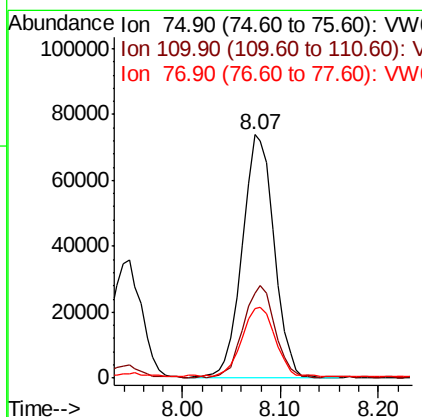
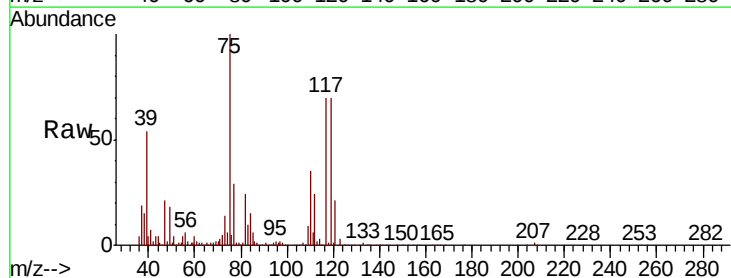
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

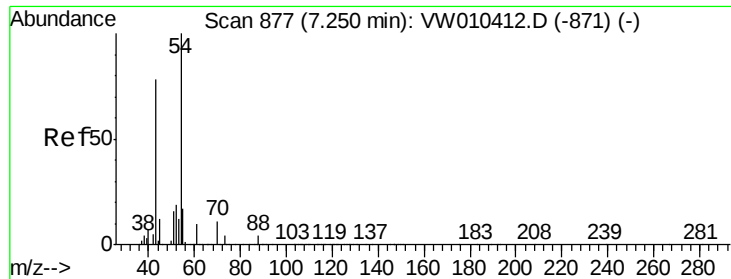
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.2	123.4
192	18.7	15.2	22.8



#36
 1,1-Dichloropropene
 Concen: 8.897 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.9	56.7
77	29.8	24.6	37.0

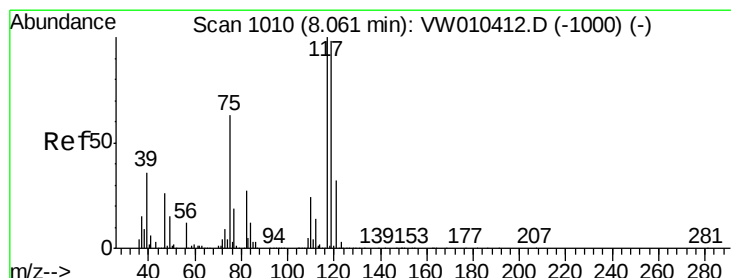
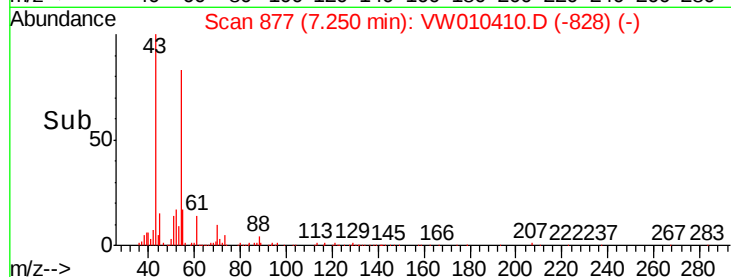
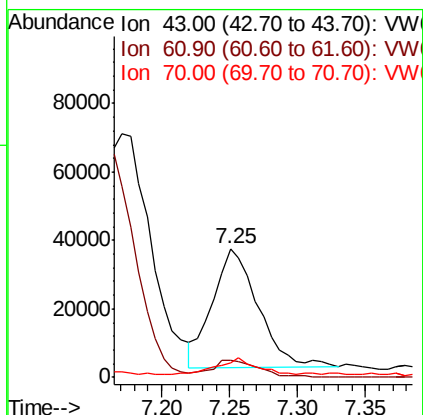
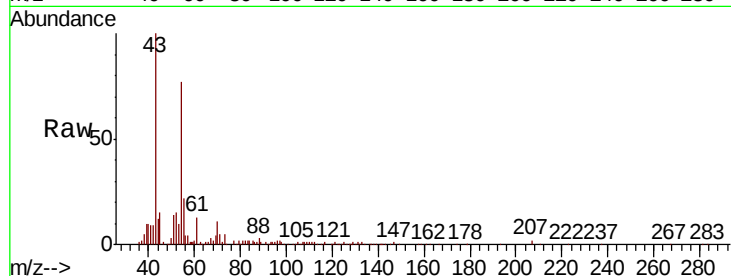




#37
Ethyl Acetate
Concen: 8.046 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

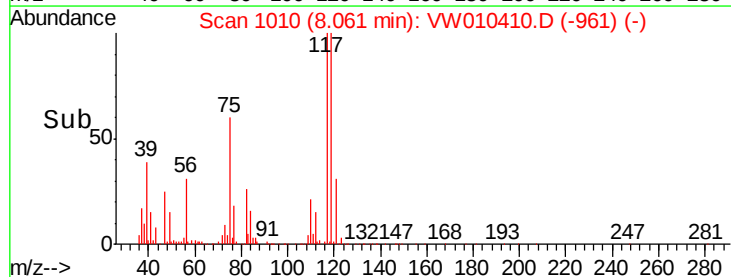
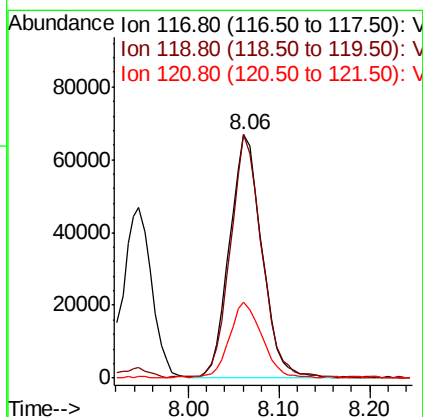
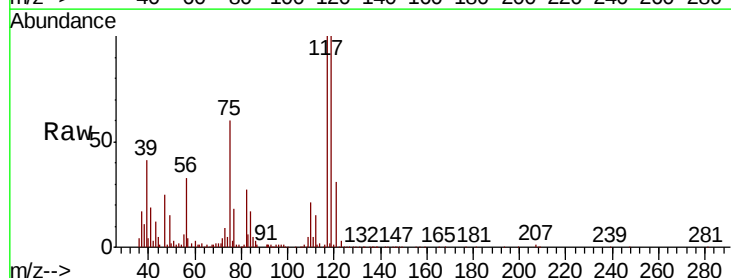
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

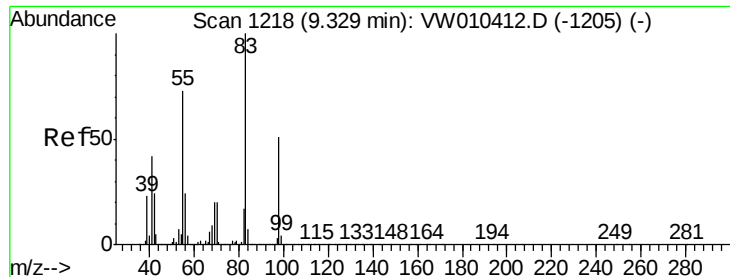
Tgt Ion: 43 Resp: 80172
Ion Ratio Lower Upper
43 100
61 14.8 11.0 16.4
70 12.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 10.005 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion: 117 Resp: 165017
Ion Ratio Lower Upper
117 100
119 99.8 78.2 117.4
121 31.0 25.3 37.9

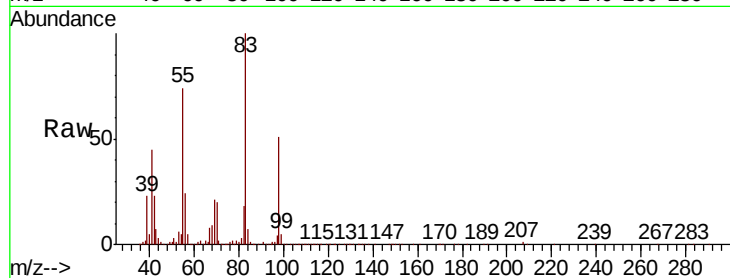




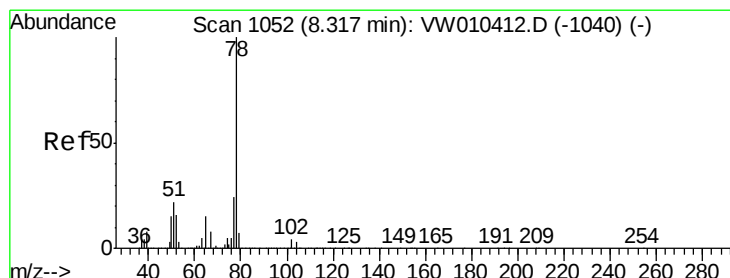
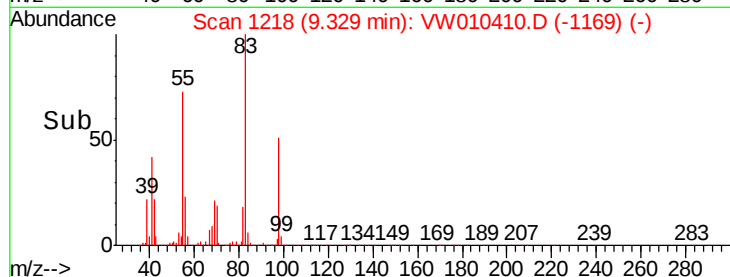
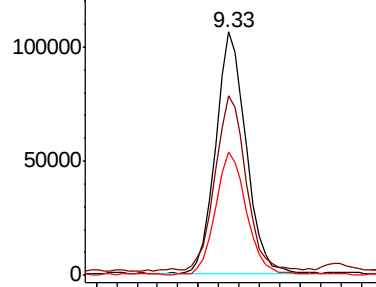
#39
Methylcyclohexane
Concen: 9.567 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.1	58.7	88.1
98	50.3	40.7	61.1

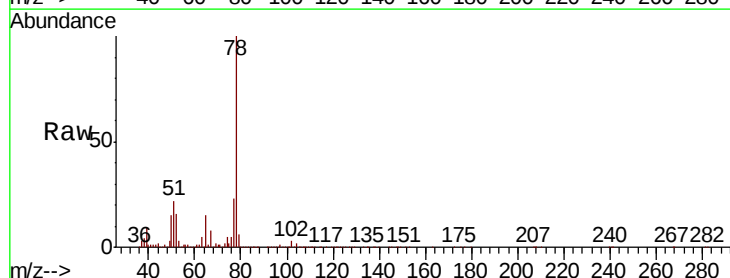


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

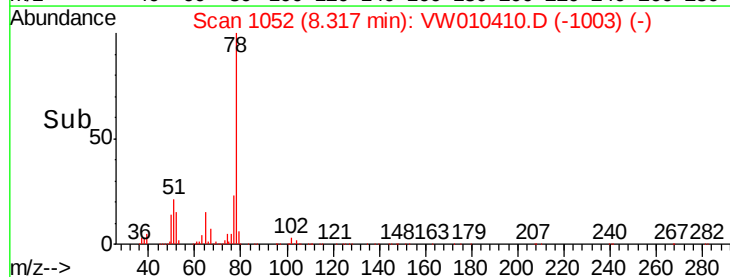
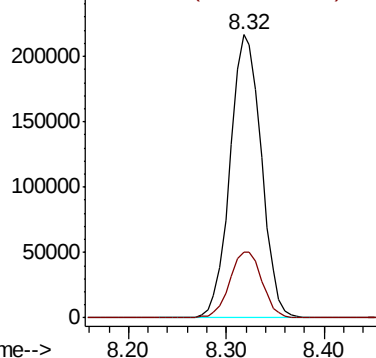


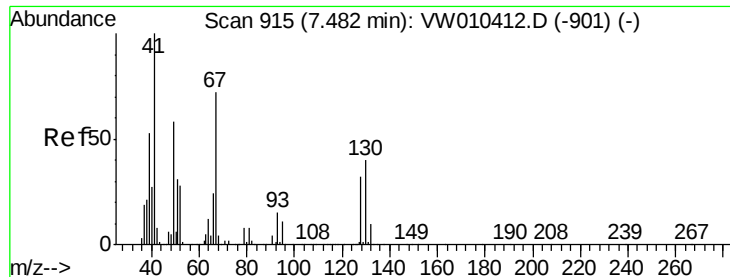
#40
Benzene
Concen: 9.306 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 8.335 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 41 Resp: 46674

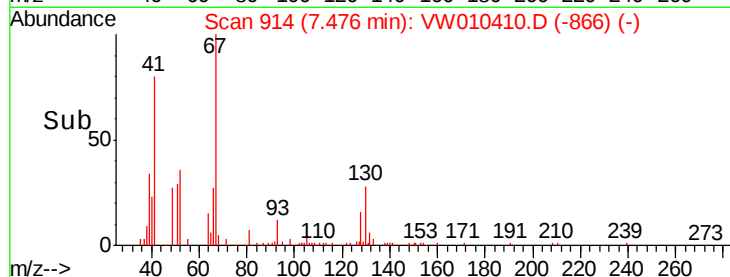
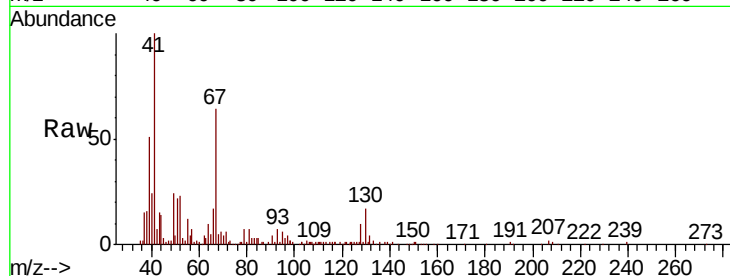
Ion Ratio Lower Upper

41 100

39 57.2 42.7 64.1

67 74.8 58.8 88.2

52 30.1 23.2 34.8

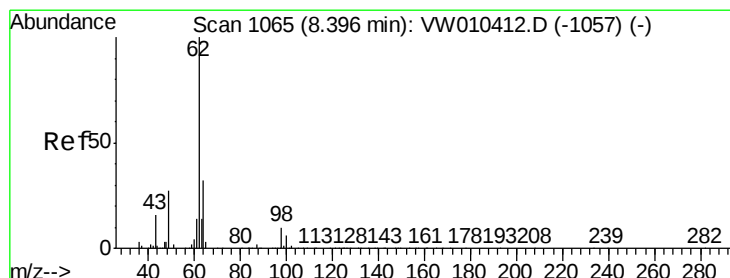
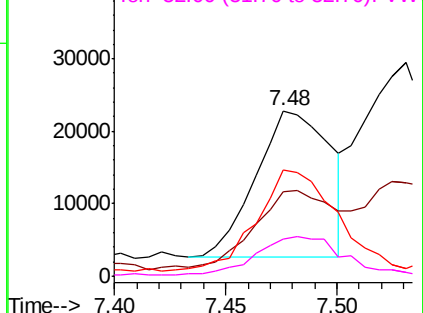


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 9.184 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010410.D

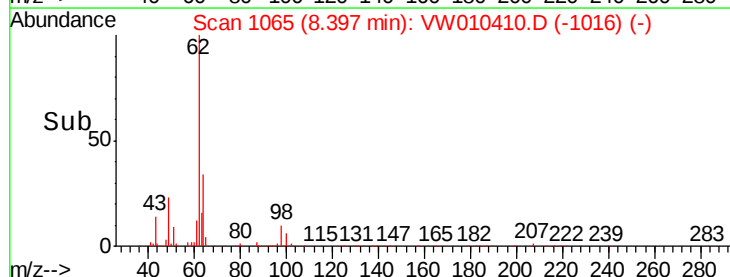
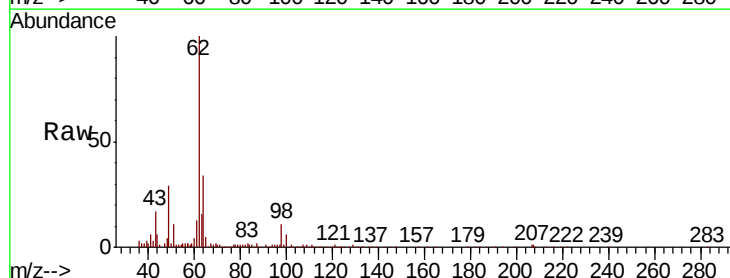
Acq: 16 May 2019 19:09

Tgt Ion: 62 Resp: 136949

Ion Ratio Lower Upper

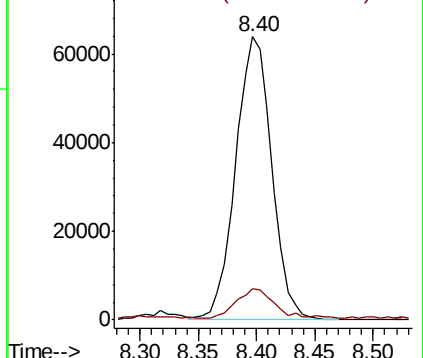
62 100

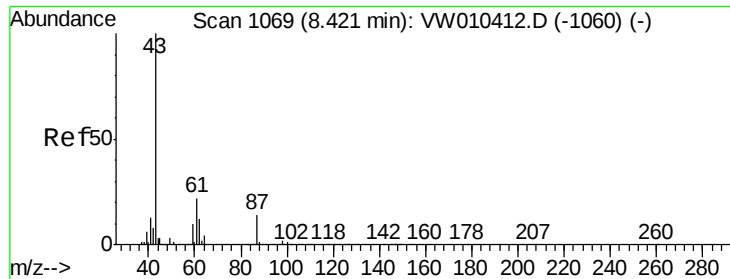
98 10.7 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 9.623 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

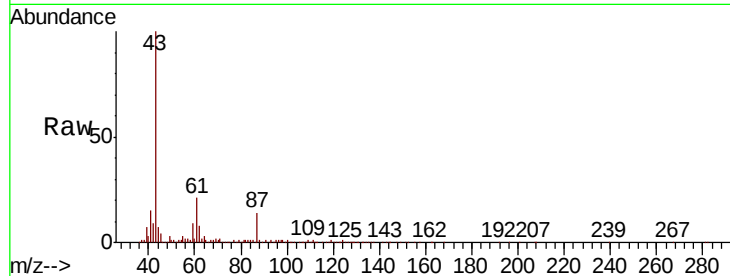
Tgt Ion: 43 Resp: 163791

Ion Ratio Lower Upper

43 100

61 29.4 23.3 34.9

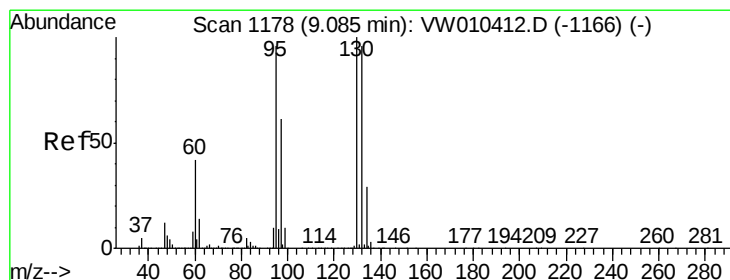
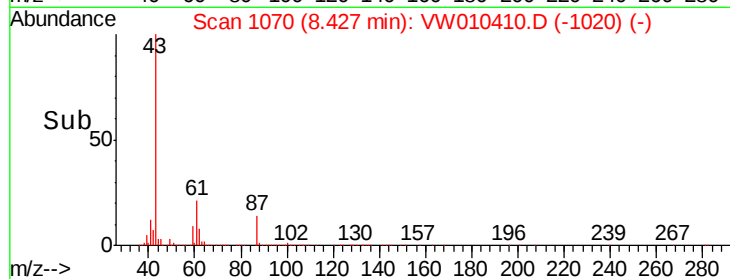
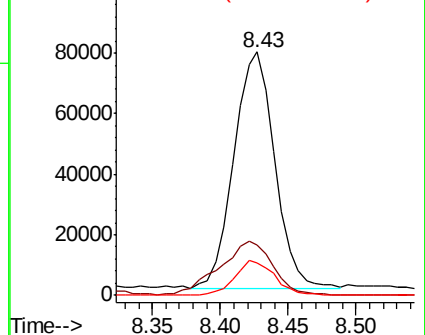
87 14.6 11.6 17.4



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: 10.304 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010410.D

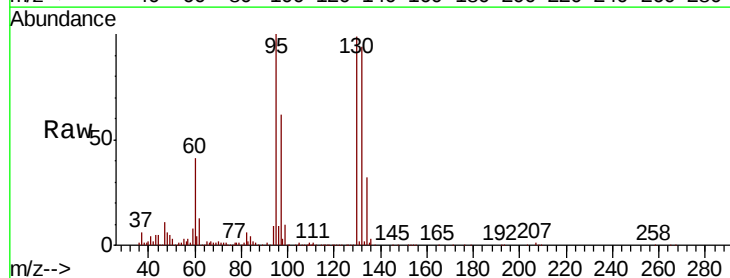
Acq: 16 May 2019 19:09

Tgt Ion: 130 Resp: 136277

Ion Ratio Lower Upper

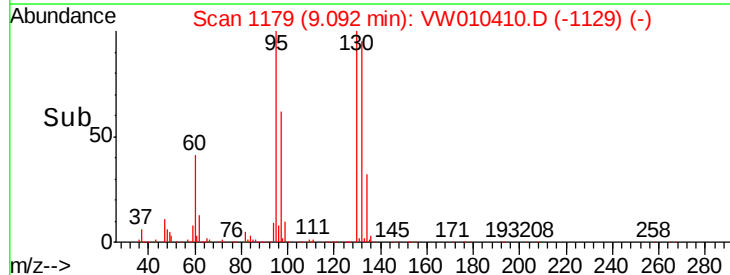
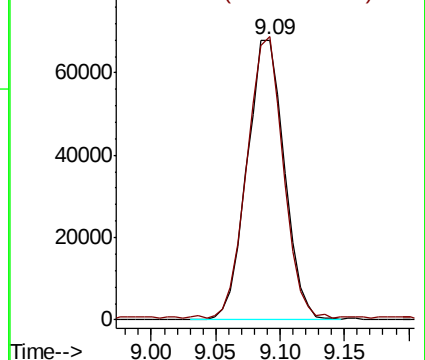
130 100

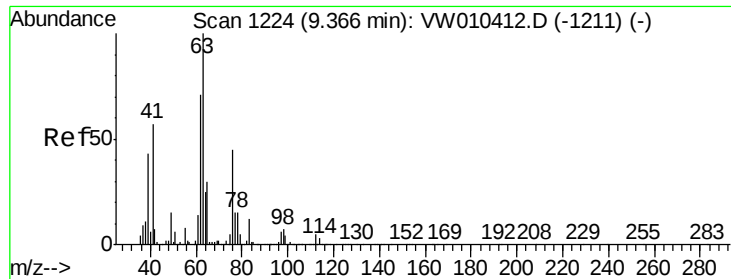
95 100.1 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 9.311 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

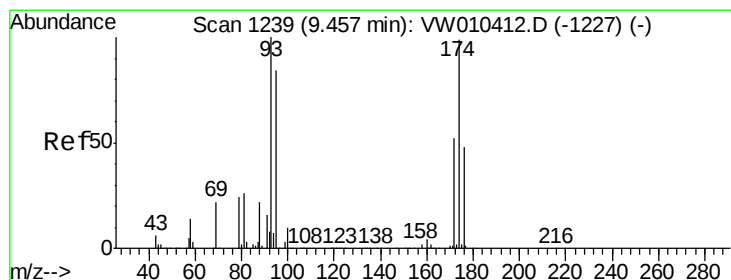
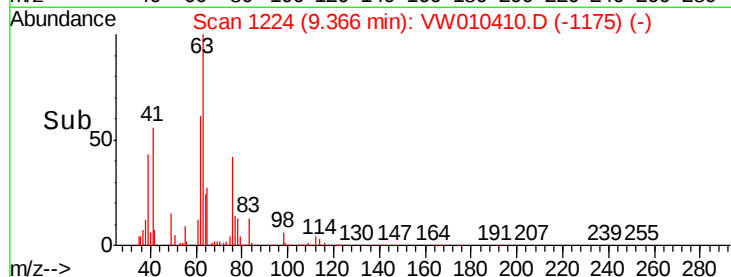
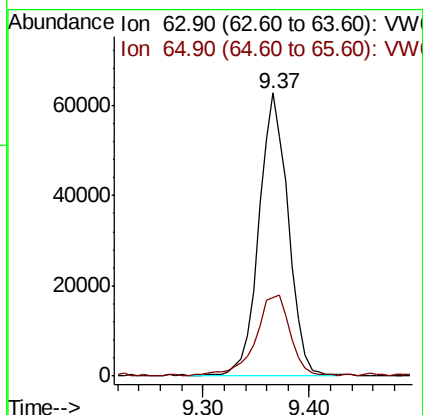
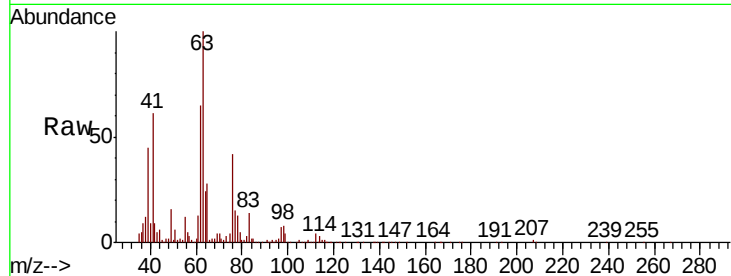
VSTDIC010

Tgt Ion: 63 Resp: 120051

Ion Ratio Lower Upper

63 100

65 27.4 24.1 36.1



#46

Dibromomethane

Concen: 9.926 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

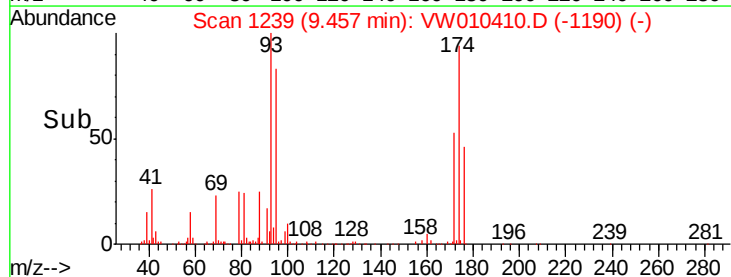
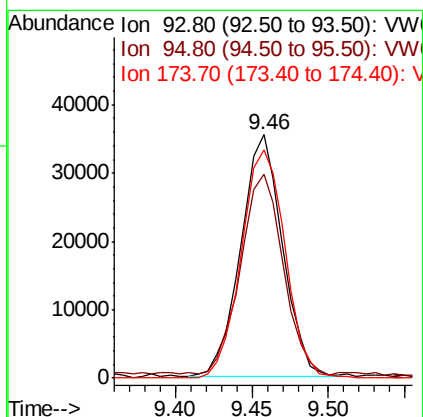
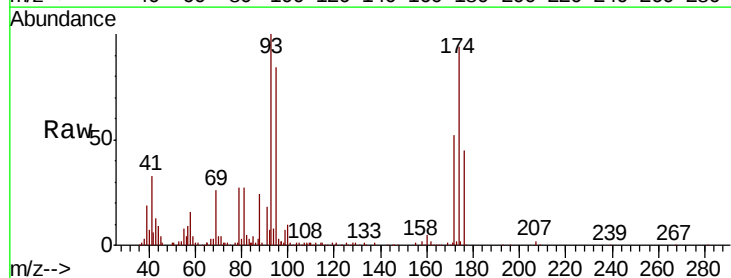
Tgt Ion: 93 Resp: 67423

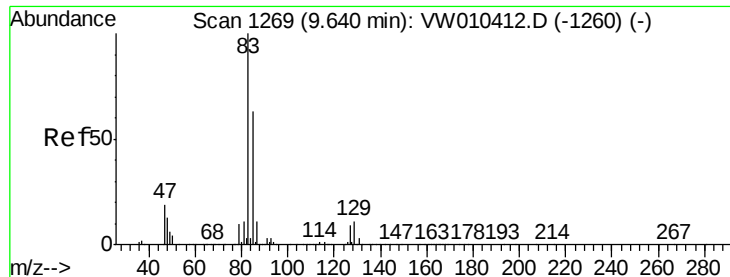
Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

174 99.0 79.8 119.6

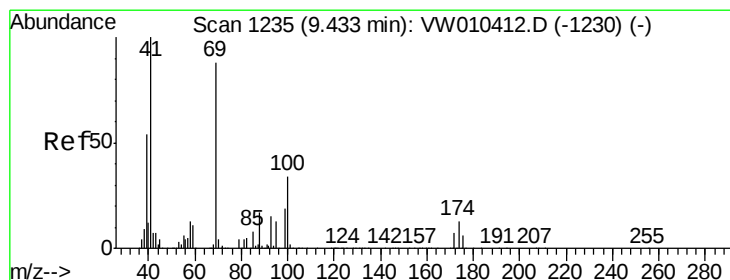
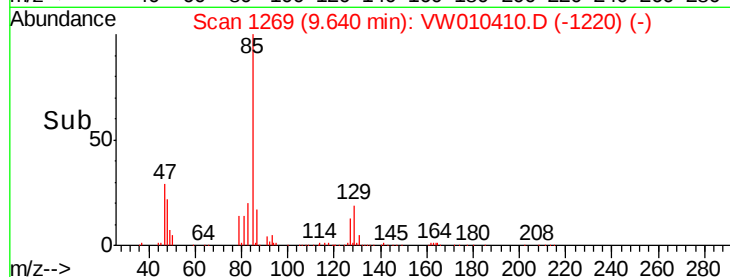
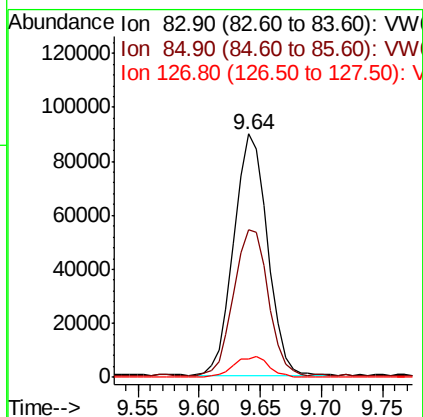
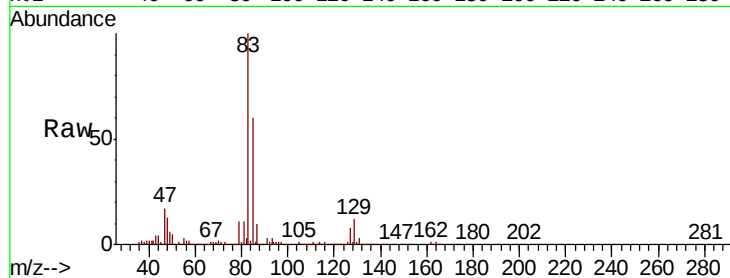




#47
Bromodichloromethane
Concen: 10.453 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

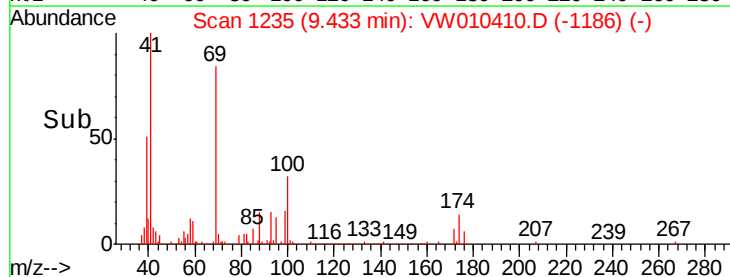
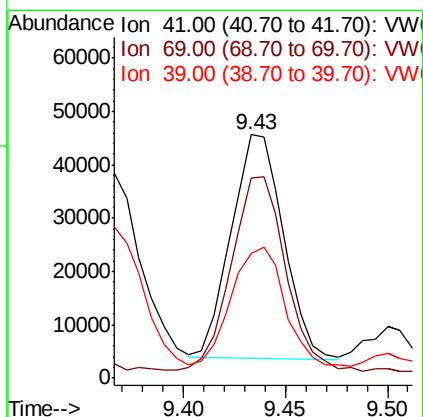
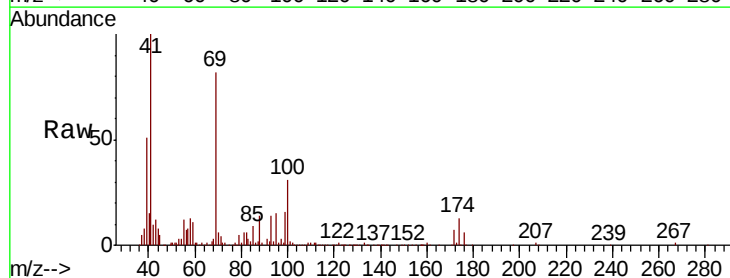
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

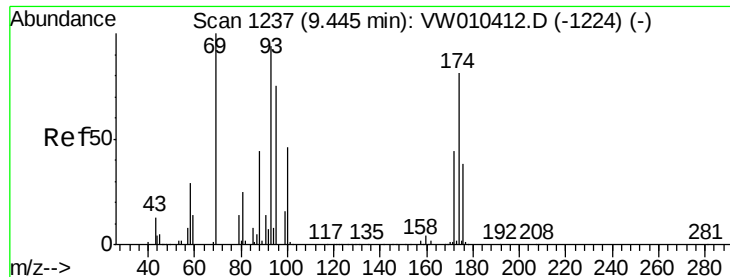
Tgt Ion: 83 Resp: 171091
Ion Ratio Lower Upper
83 100
85 60.1 50.2 75.2
127 7.5 6.9 10.3



#48
Methyl methacrylate
Concen: 9.403 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion: 41 Resp: 74545
Ion Ratio Lower Upper
41 100
69 90.7 72.6 108.8
39 58.7 48.0 72.0





#49

1,4-Dioxane

Concen: 206.076 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

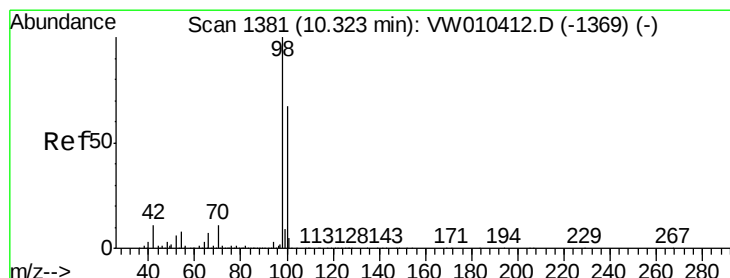
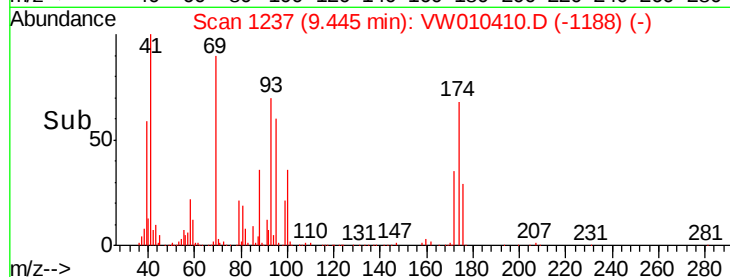
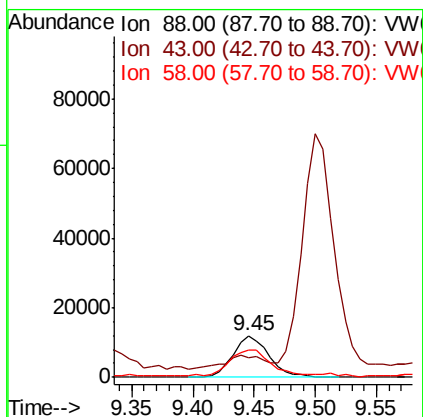
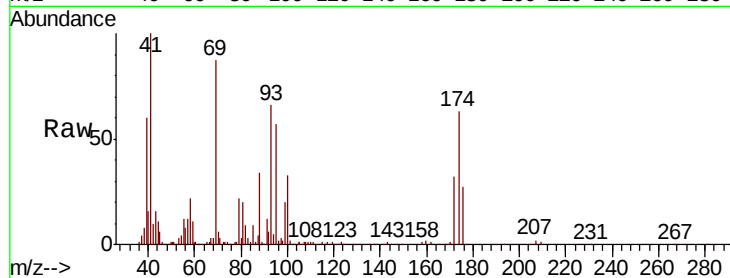
Tgt Ion: 88 Resp: 24279

Ion Ratio Lower Upper

88 100

43 41.2 24.6 36.8#

58 74.5 56.2 84.4



#50

Toluene-d8

Concen: 10.222 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010410.D

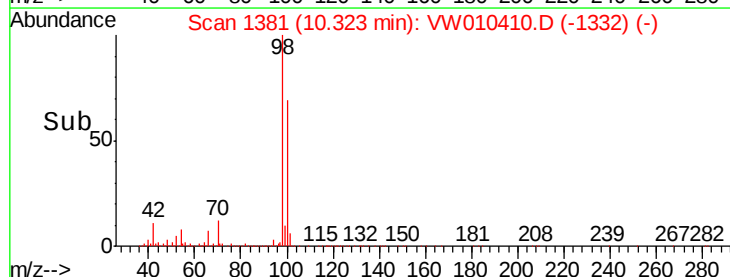
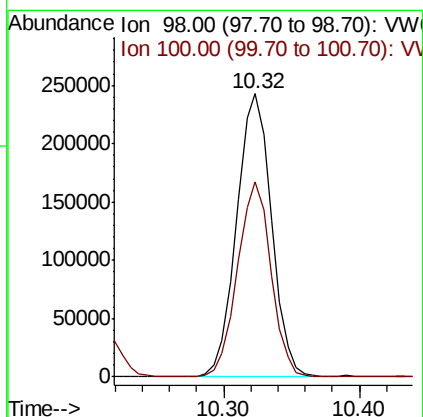
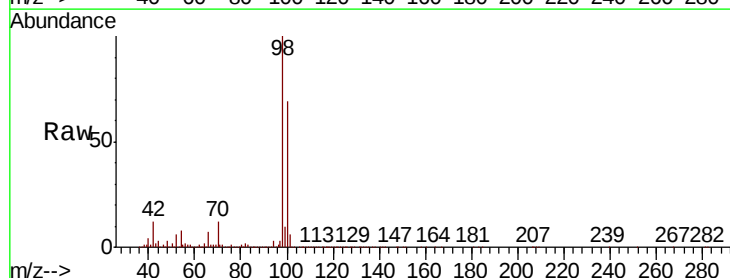
Acq: 16 May 2019 19:09

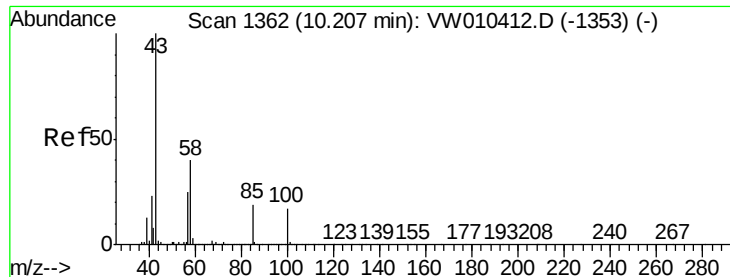
Tgt Ion: 98 Resp: 432594

Ion Ratio Lower Upper

98 100

100 66.5 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 43.999 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

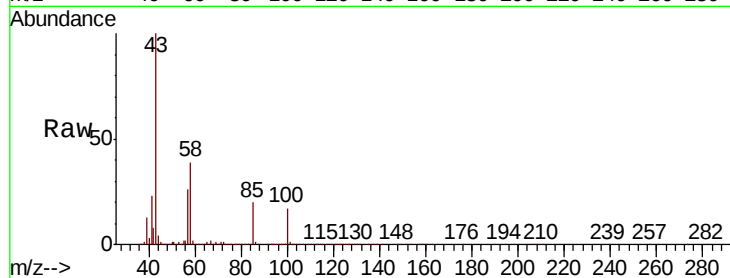
VSTDIC010

Tgt Ion: 43 Resp: 419867

Ion Ratio Lower Upper

43 100

58 40.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

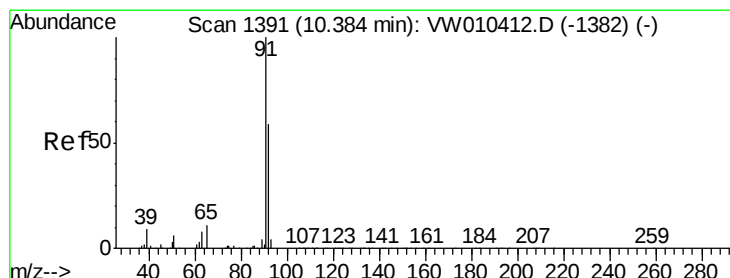
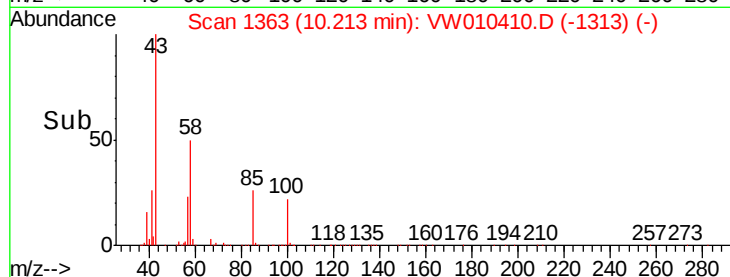
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 10.044 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010410.D

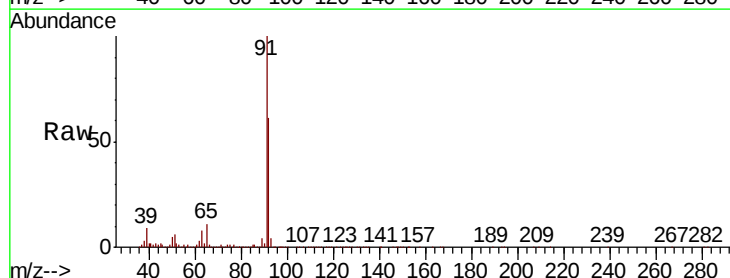
Acq: 16 May 2019 19:09

Tgt Ion: 92 Resp: 321426

Ion Ratio Lower Upper

92 100

91 167.6 134.9 202.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

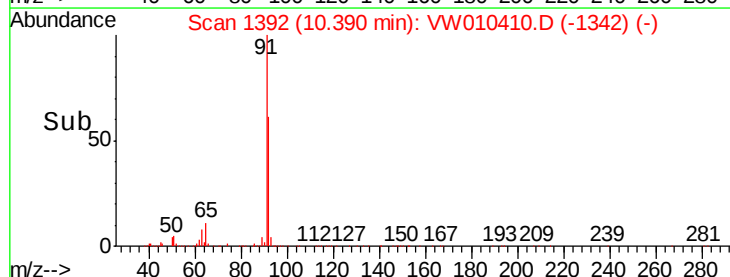
300000

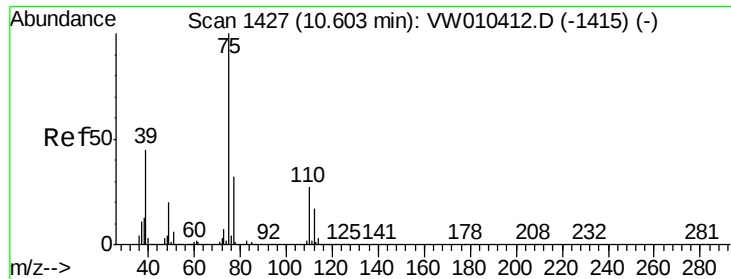
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 10.506 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

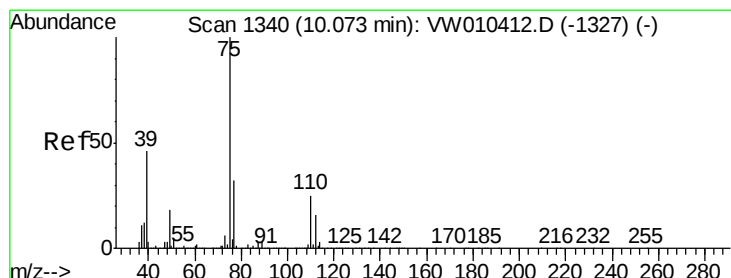
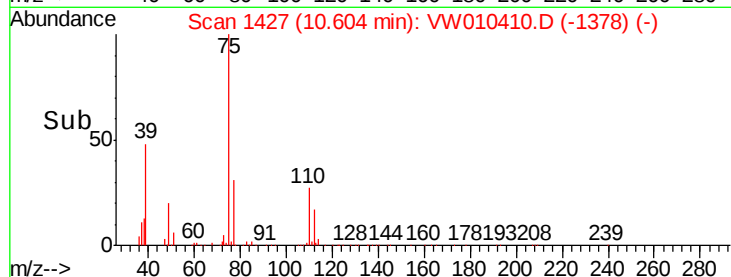
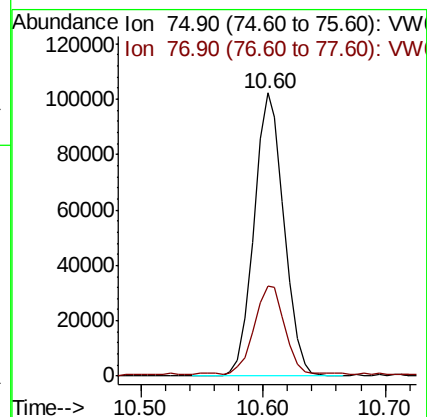
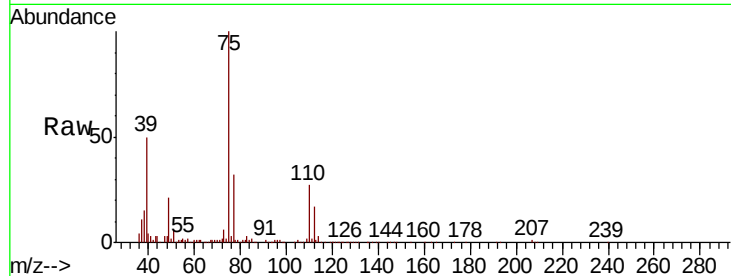
VSTDIC010

Tgt Ion: 75 Resp: 174186

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 10.363 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

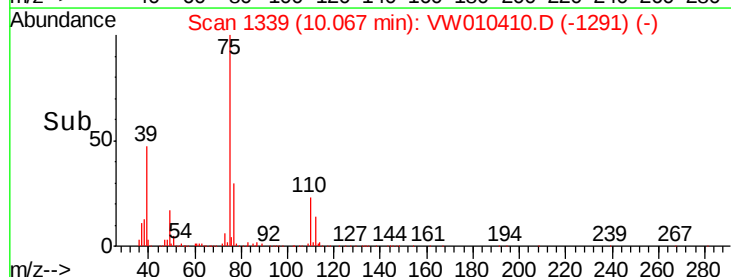
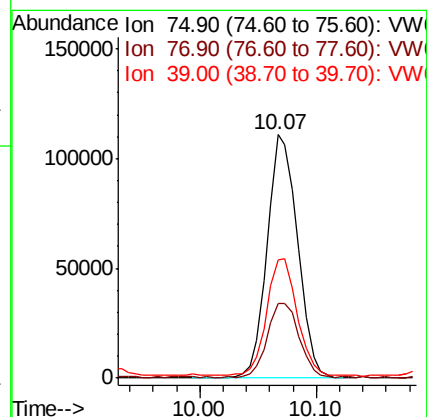
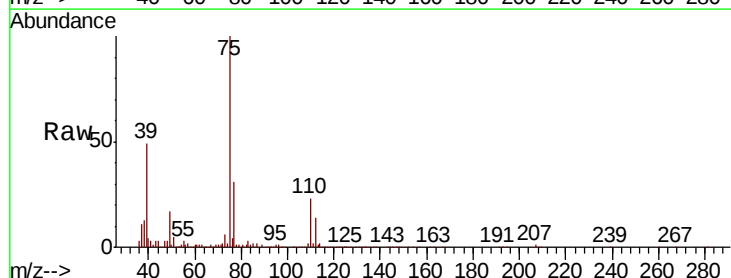
Tgt Ion: 75 Resp: 202088

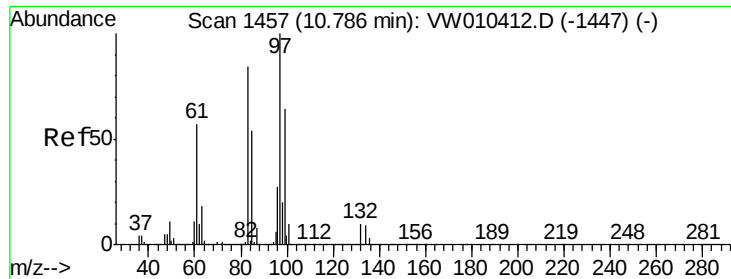
Ion Ratio Lower Upper

75 100

77 30.0 25.5 38.3

39 47.1 37.1 55.7

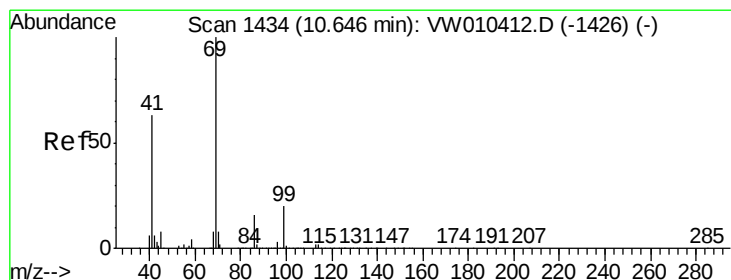
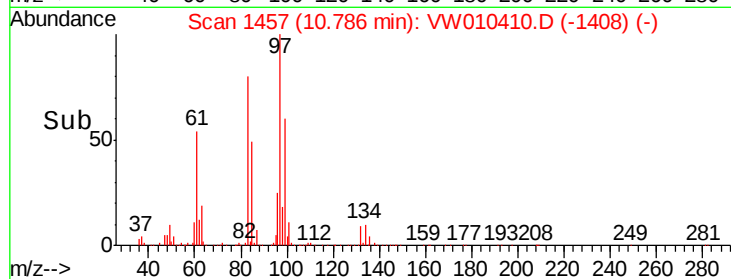
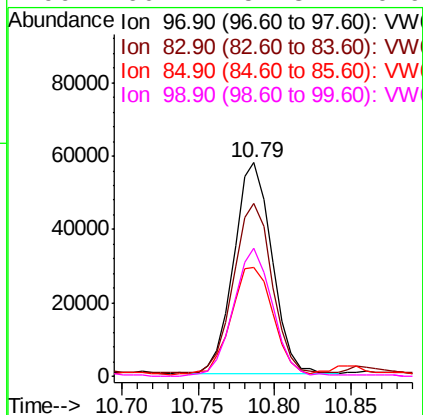
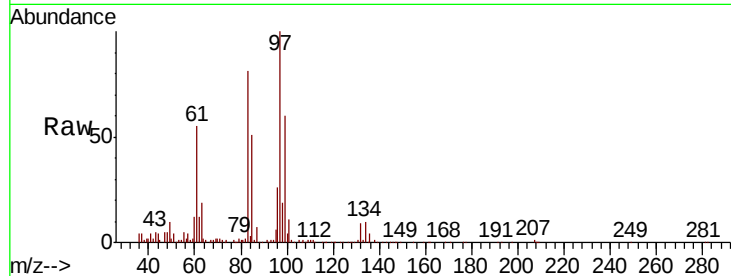




#55
 1,1,2-Trichloroethane
 Concen: 10.359 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

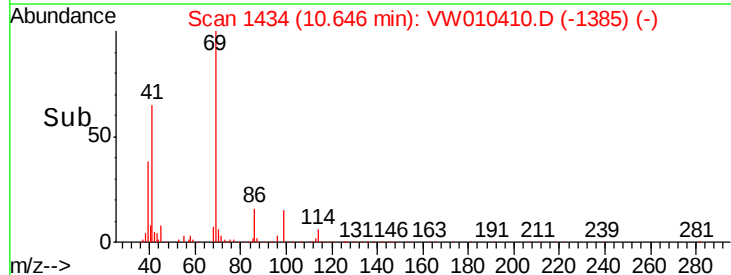
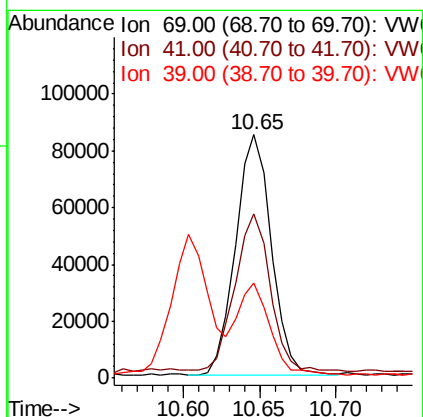
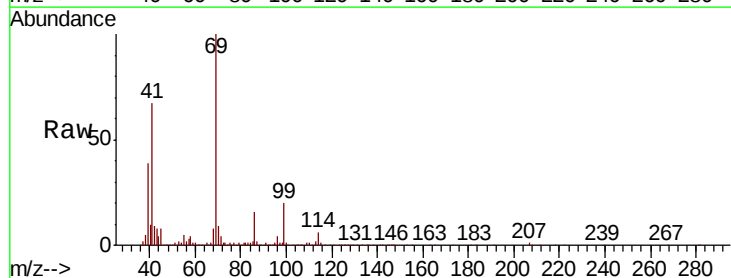
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

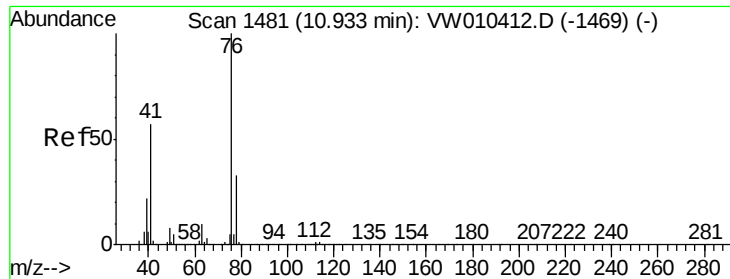
Tgt Ion:	97	Resp:	100437
Ion	Ratio	Lower	Upper
97	100		
83	80.0	67.2	100.8
85	49.7	43.1	64.7
99	60.1	51.3	76.9



#56
 Ethyl methacrylate
 Concen: 10.614 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion:	69	Resp:	136395
Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.7	77.5
39	34.7	26.2	39.2





#57

1,3-Dichloropropane

Concen: 9.591 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

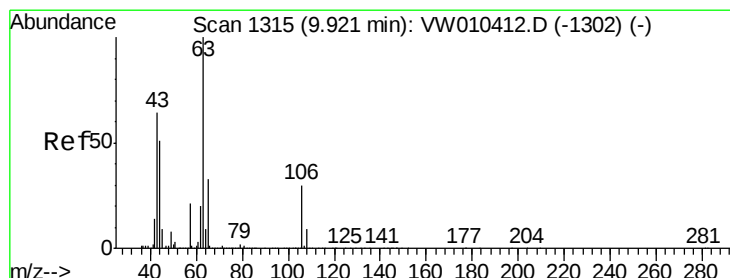
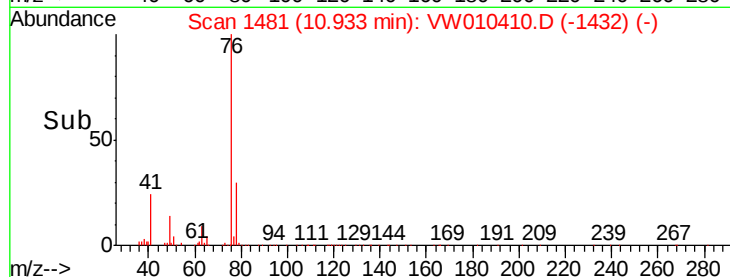
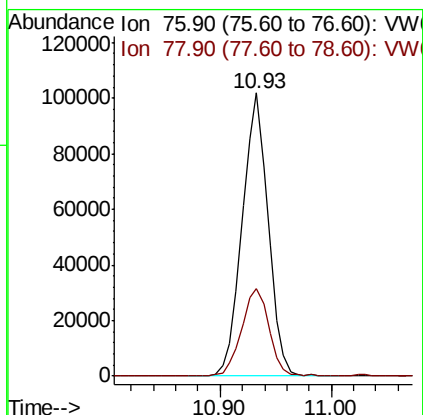
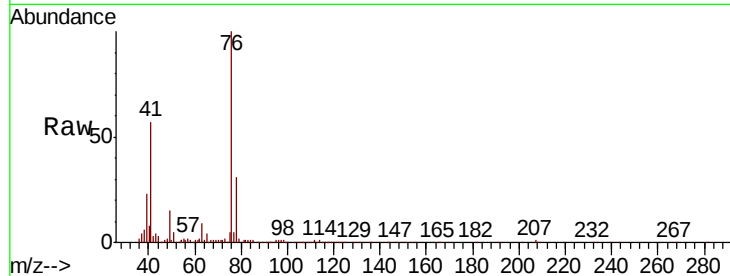
VSTDIC010

Tgt Ion: 76 Resp: 163865

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 45.110 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010410.D

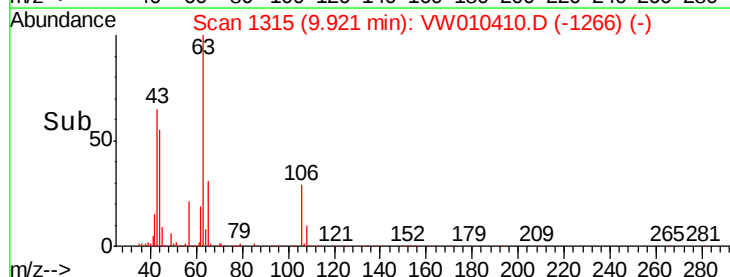
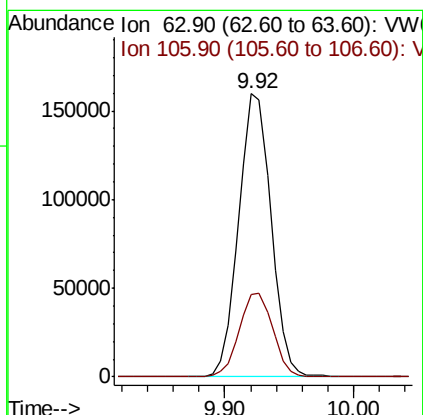
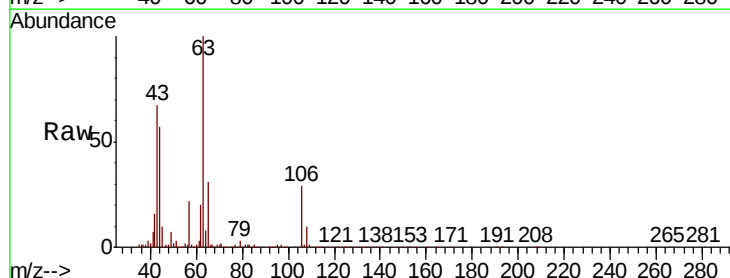
Acq: 16 May 2019 19:09

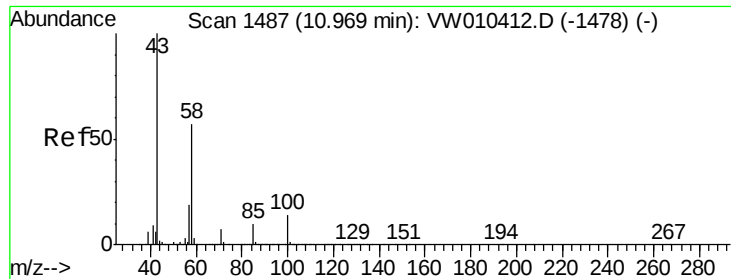
Tgt Ion: 63 Resp: 277907

Ion Ratio Lower Upper

63 100

106 30.7 24.5 36.7

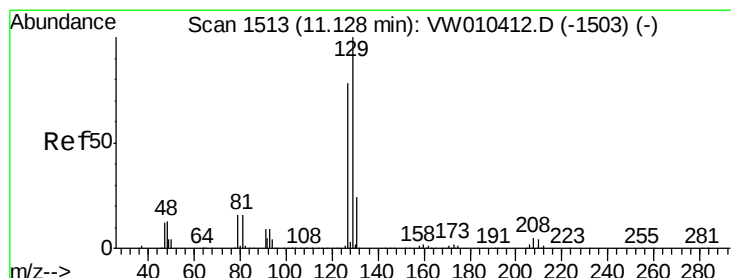
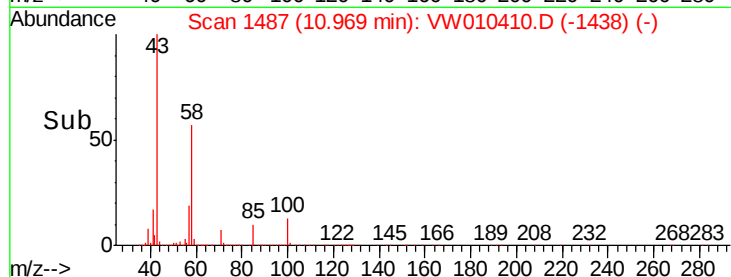
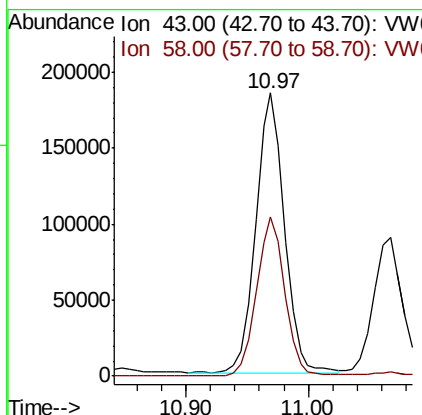
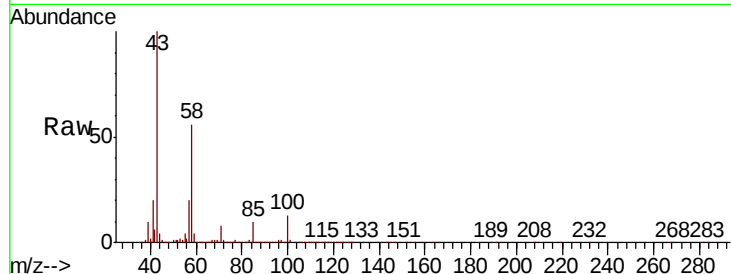




#59
2-Hexanone
Concen: 44.580 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

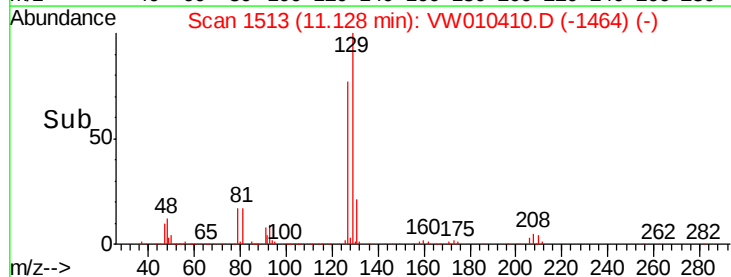
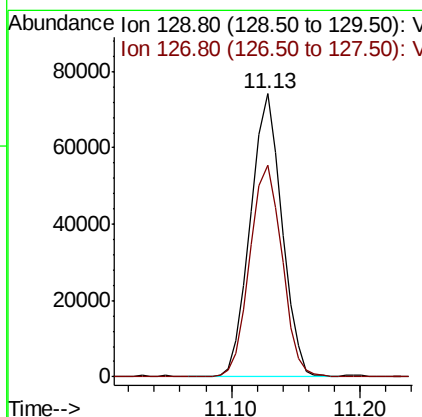
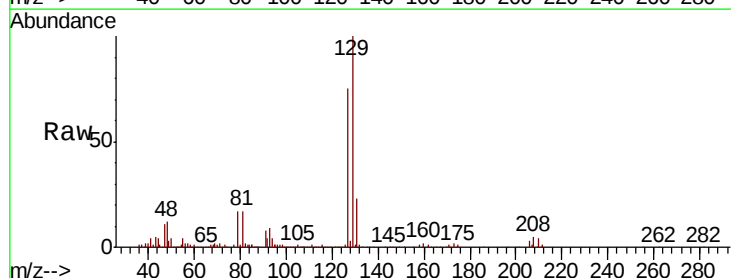
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

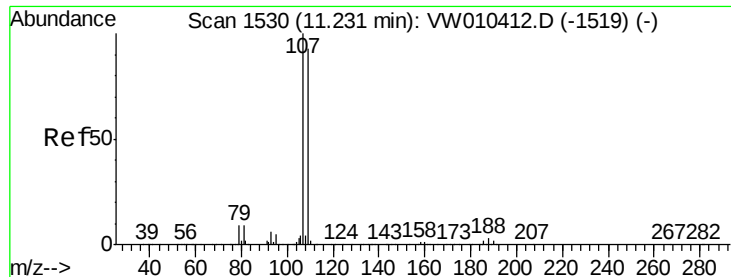
Tgt Ion: 43 Resp: 300366
Ion Ratio Lower Upper
43 100
58 55.6 28.0 83.9



#60
Dibromochloromethane
Concen: 11.756 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion: 129 Resp: 125558
Ion Ratio Lower Upper
129 100
127 75.9 39.3 117.9

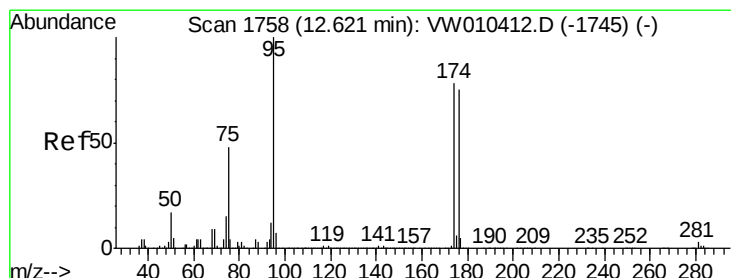
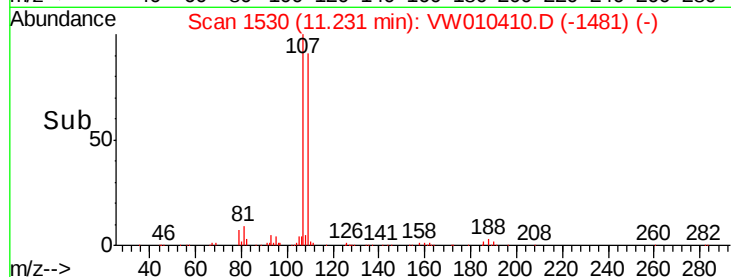
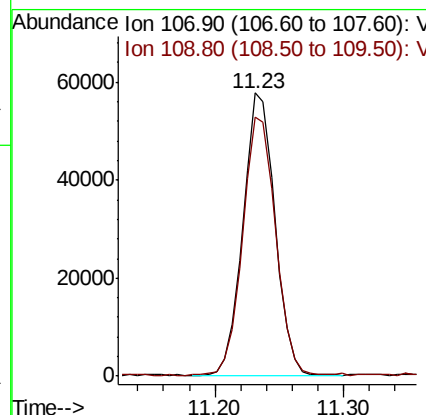
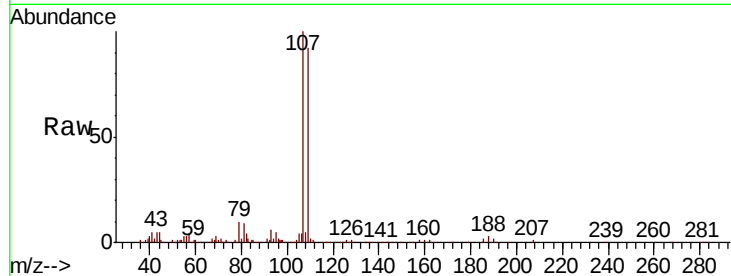




#61
 1,2-Dibromoethane
 Concen: 10.562 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

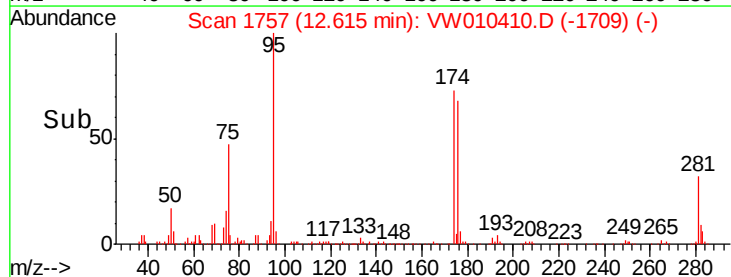
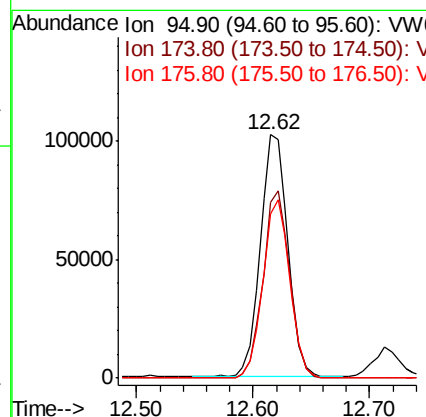
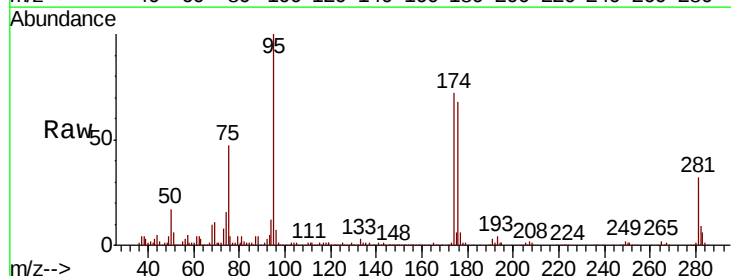
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

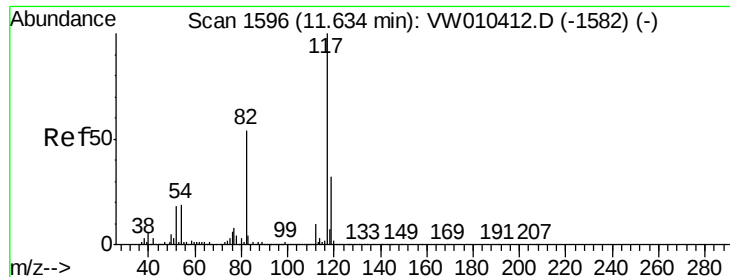
Tgt Ion: 107 Resp: 98863
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 11.034 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion: 95 Resp: 167722
 Ion Ratio Lower Upper
 95 100
 174 75.6 0.0 150.2
 176 72.4 0.0 144.6

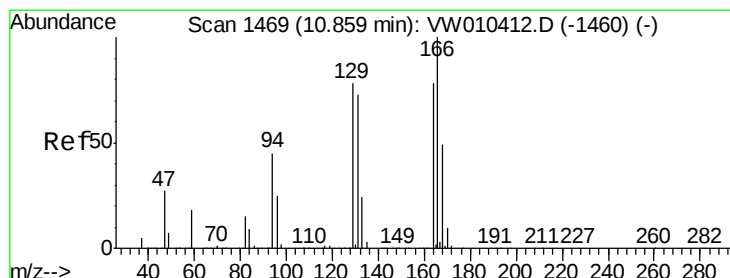
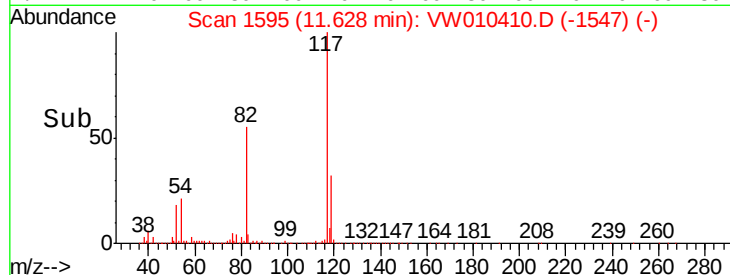
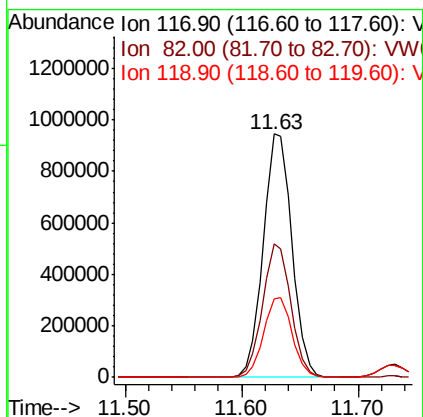
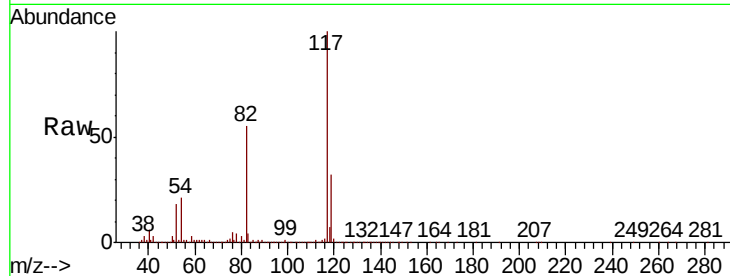




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

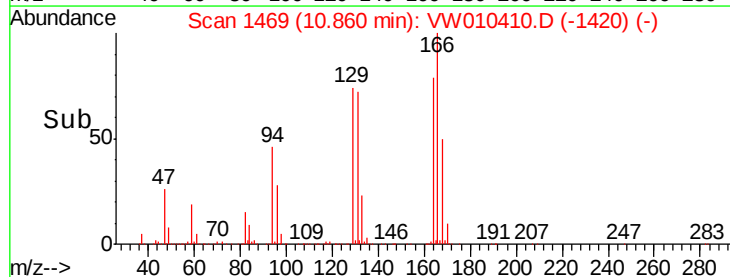
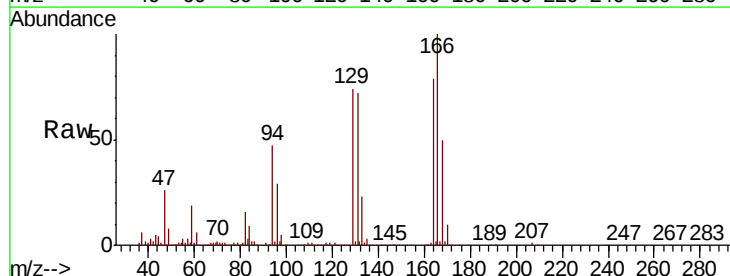
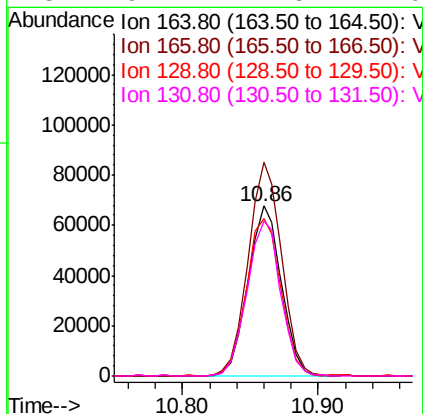
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

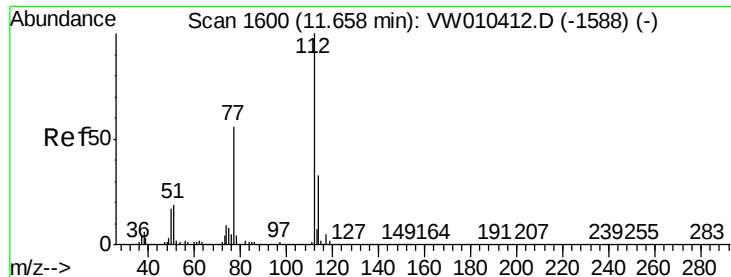
Tgt Ion:117 Resp: 1624473
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.6
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 10.330 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion:164 Resp: 116396
Ion Ratio Lower Upper
164 100
166 125.7 102.3 153.5
129 92.7 79.6 119.4
131 91.1 74.6 112.0





#65

Chlorobenzene

Concen: 10.193 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

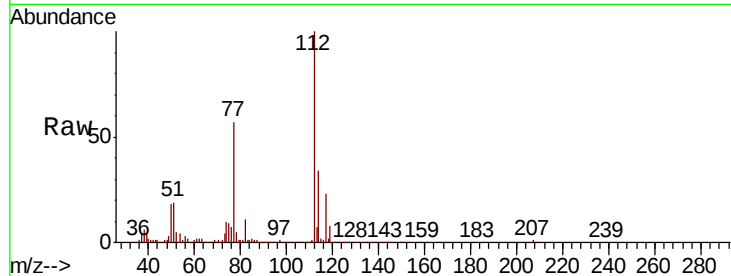
VSTDIC010

Tgt Ion:112 Resp: 342122

Ion Ratio Lower Upper

112 100

114 33.7 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

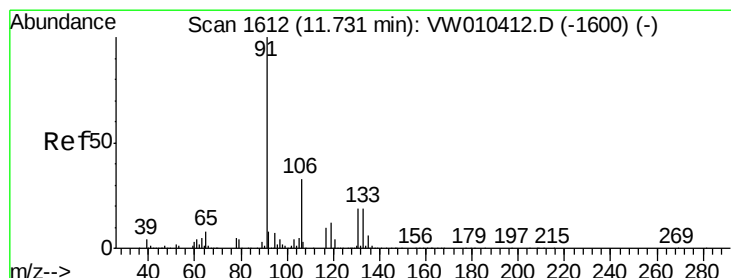
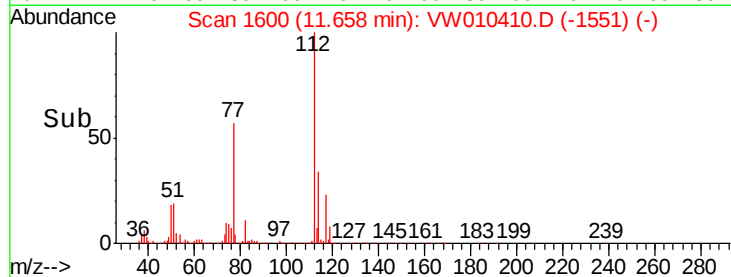
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 10.998 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

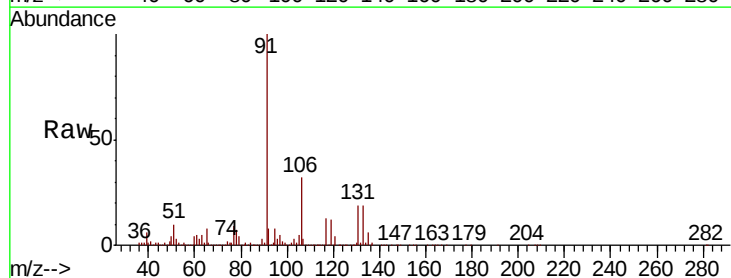
Tgt Ion:131 Resp: 126374

Ion Ratio Lower Upper

131 100

133 97.1 48.0 144.0

119 65.1 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

400000

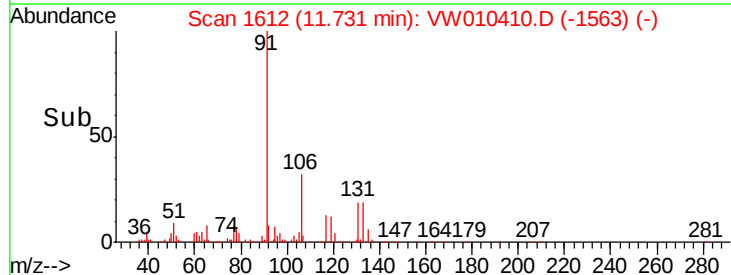
300000

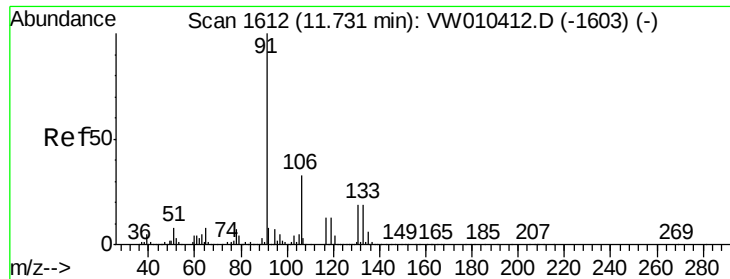
200000

100000

0

Time-->

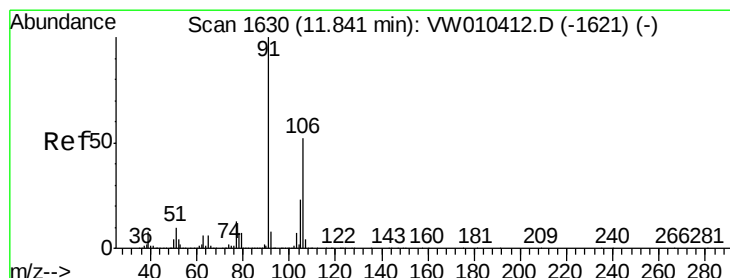
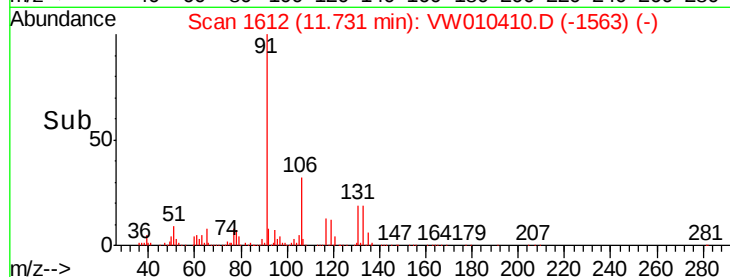
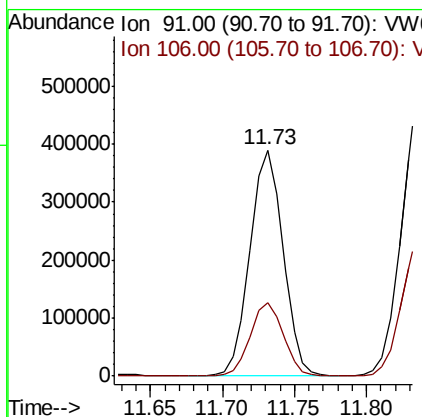
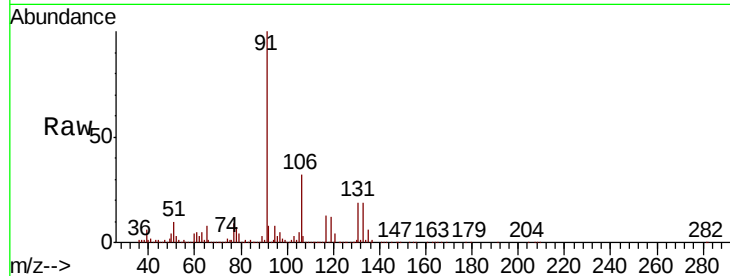




#67
Ethyl Benzene
Concen: 10.152 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

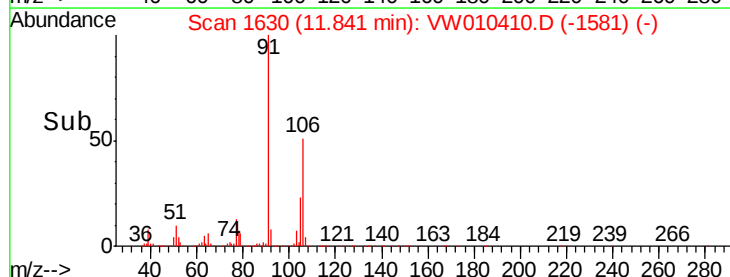
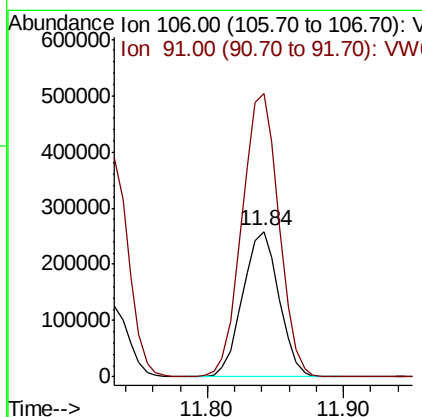
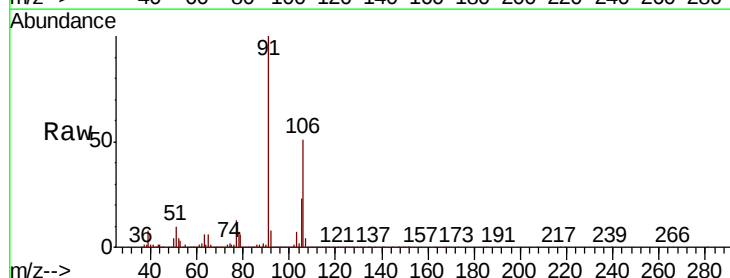
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

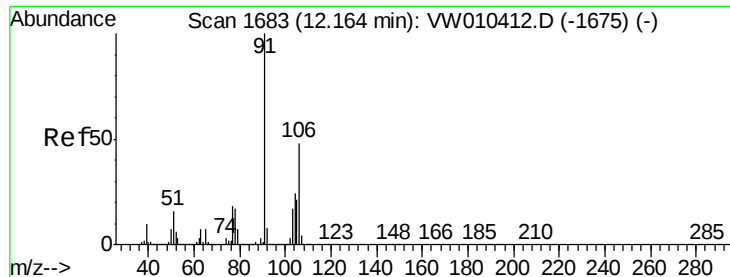
Tgt Ion: 91 Resp: 617930
Ion Ratio Lower Upper
91 100
106 32.4 26.0 39.0



#68
m/p-Xylenes
Concen: 21.091 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion: 106 Resp: 481204
Ion Ratio Lower Upper
106 100
91 198.1 156.2 234.2

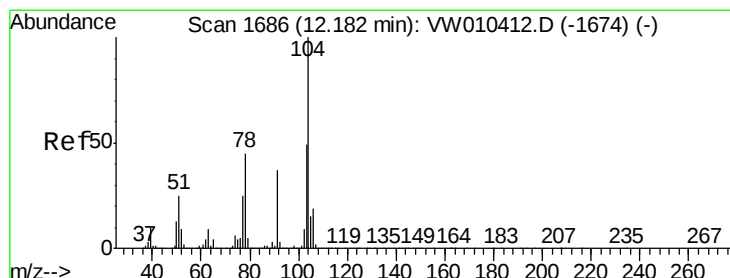
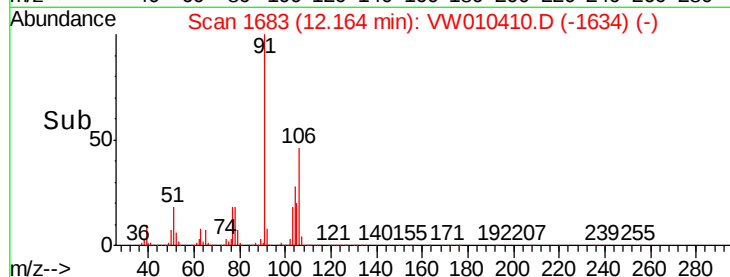
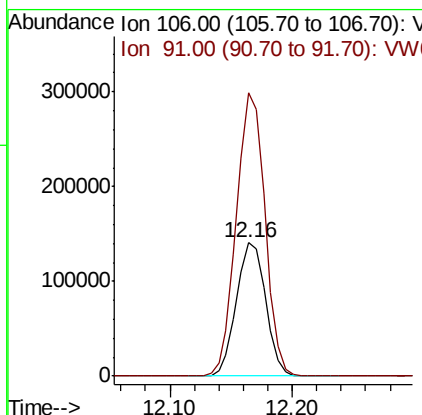
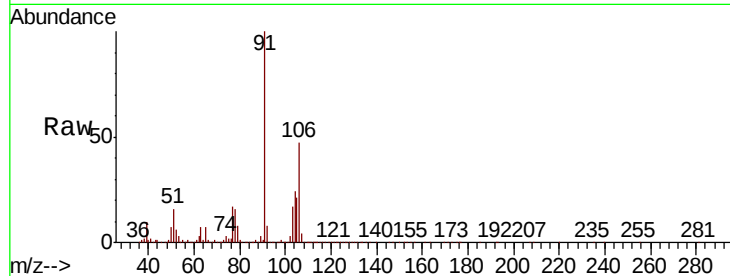




#69
o-Xylene
Concen: 11.207 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

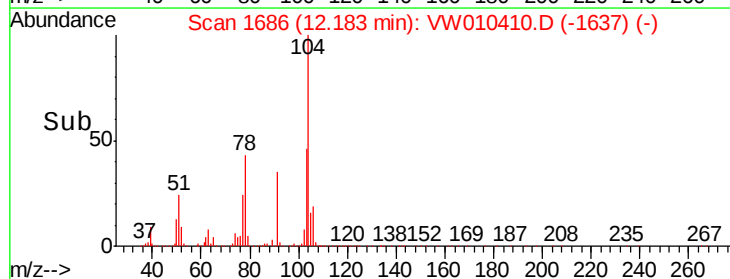
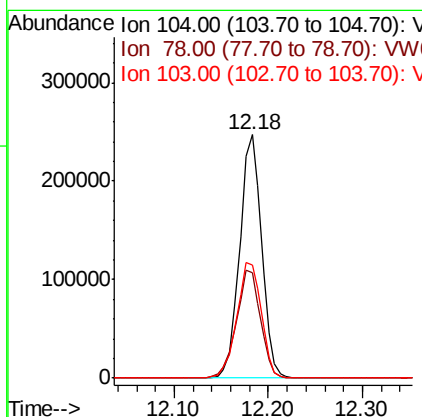
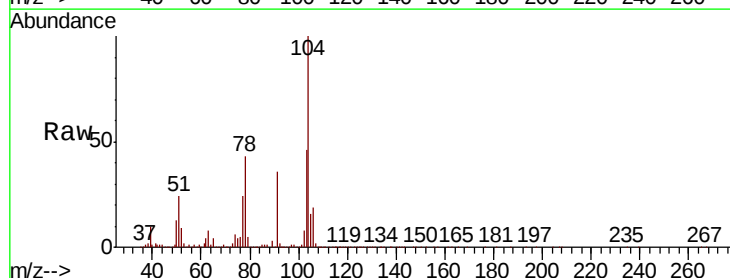
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

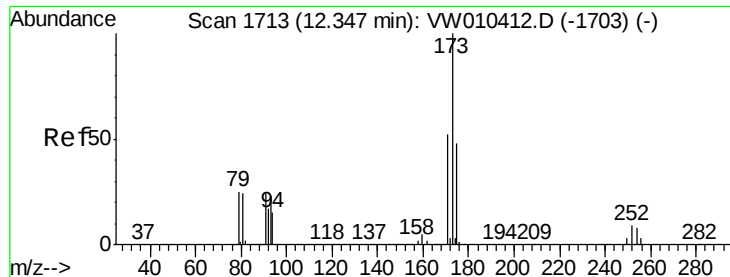
Tgt Ion:106 Resp: 233545
Ion Ratio Lower Upper
106 100
91 207.5 102.8 308.3



#70
Styrene
Concen: 11.062 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion:104 Resp: 401055
Ion Ratio Lower Upper
104 100
78 48.4 39.4 59.2
103 52.6 42.6 64.0





#71

Bromoform

Concen: 10.857 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

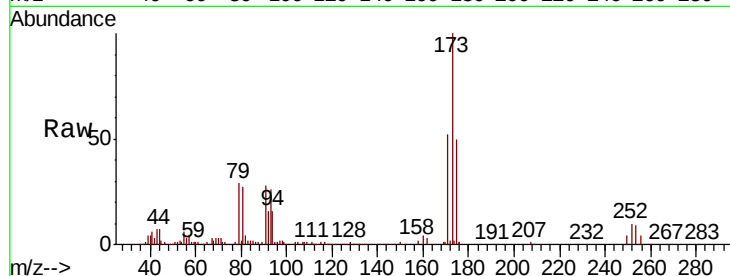
Tgt Ion:173 Resp: 72172

Ion Ratio Lower Upper

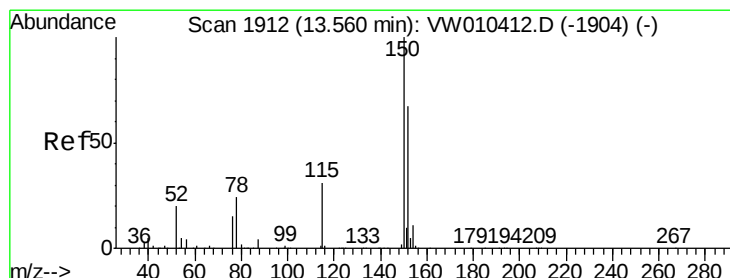
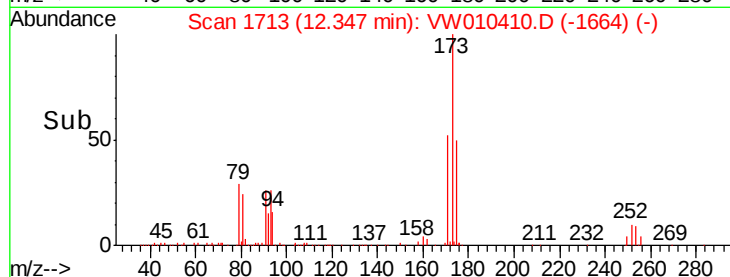
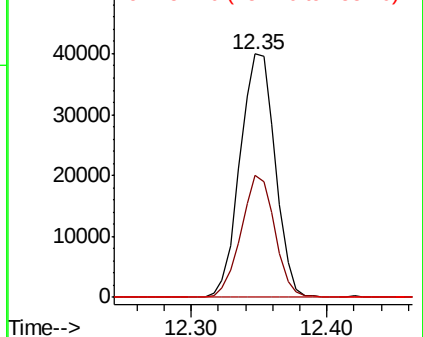
173 100

175 48.5 24.1 72.2

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: VW010410.D

Acq: 16 May 2019 19:09

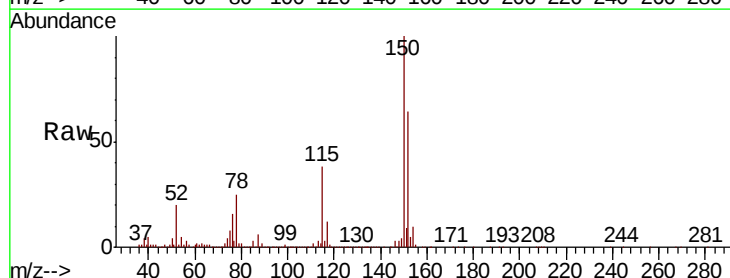
Tgt Ion:152 Resp: 783098

Ion Ratio Lower Upper

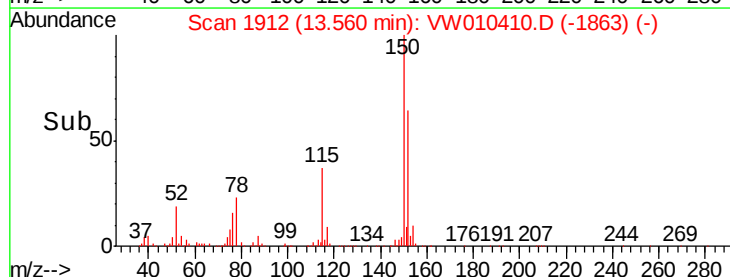
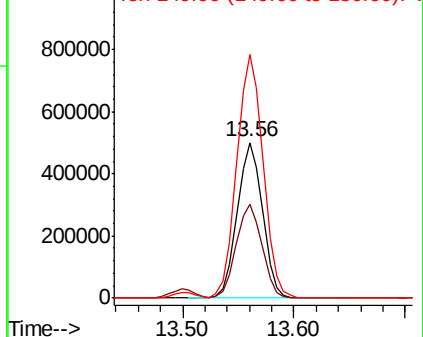
152 100

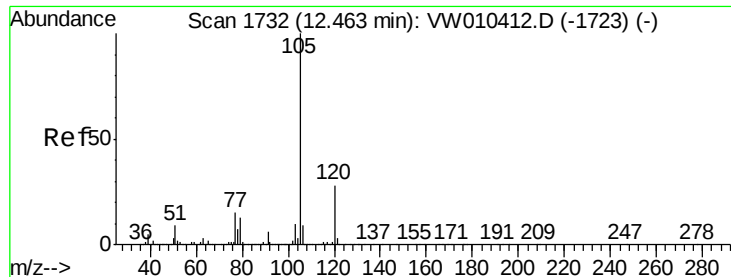
115 61.5 30.2 90.6

150 163.1 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.746 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

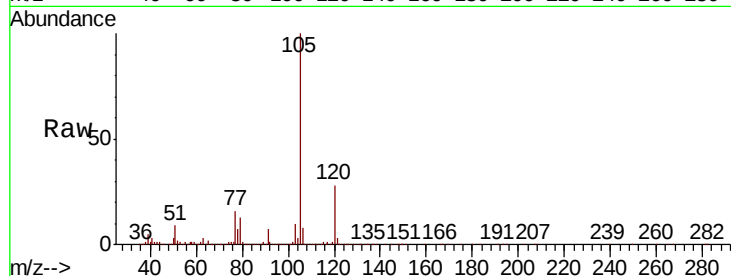
VSTDIC010

Tgt Ion:105 Resp: 609933

Ion Ratio Lower Upper

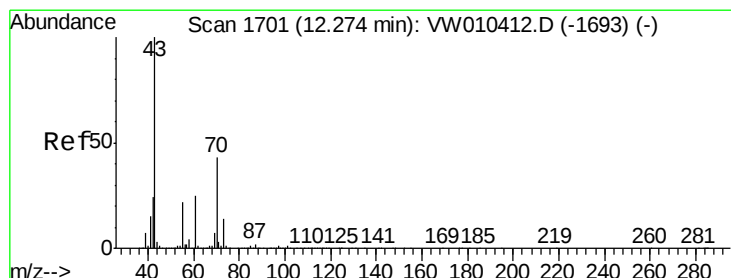
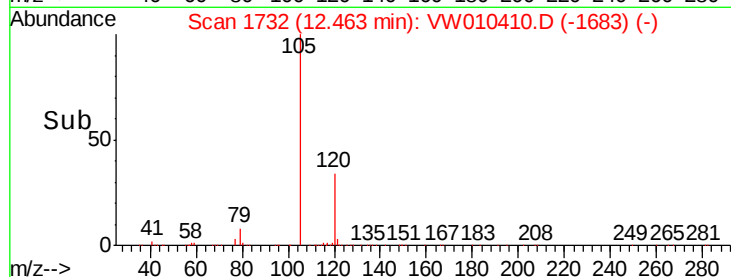
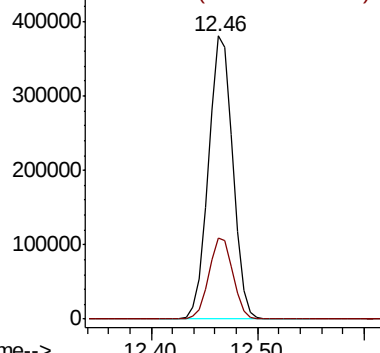
105 100

120 28.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.788 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Tgt Ion: 43 Resp: 161745

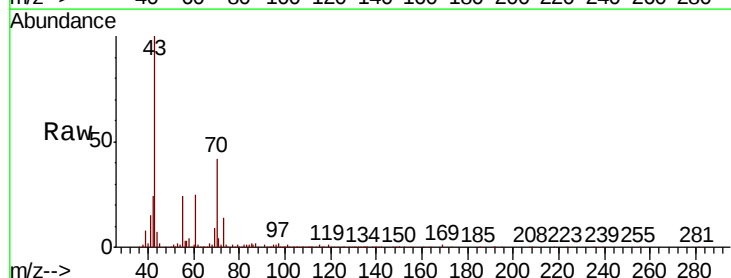
Ion Ratio Lower Upper

43 100

70 44.5 34.6 51.8

55 23.8 17.8 26.8

61 24.9 20.1 30.1

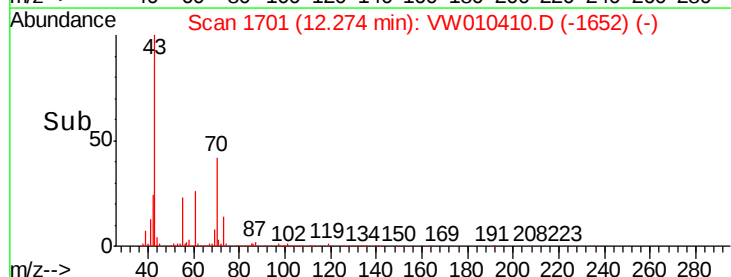
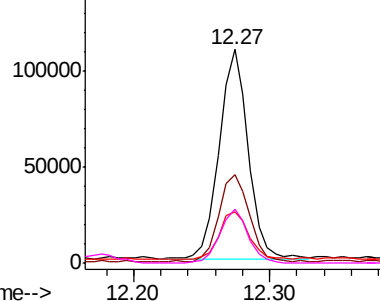


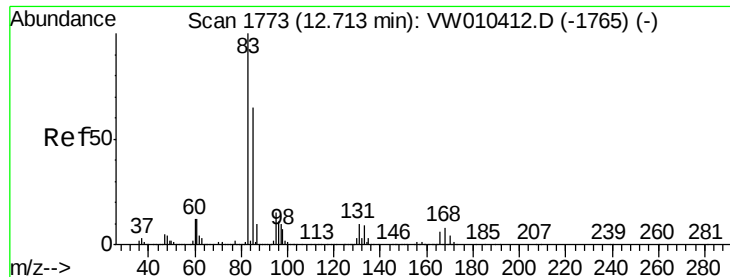
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 9.347 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

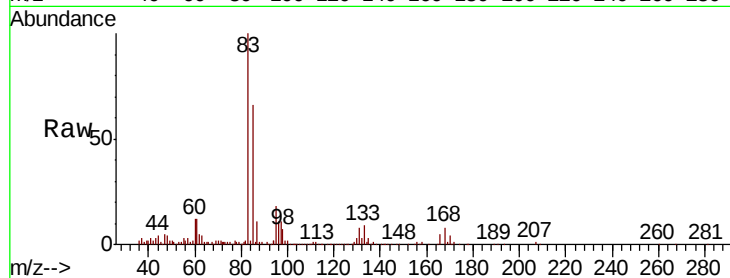
Tgt Ion: 83 Resp: 116473

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

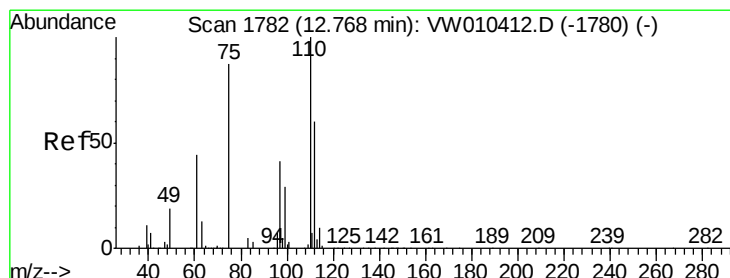
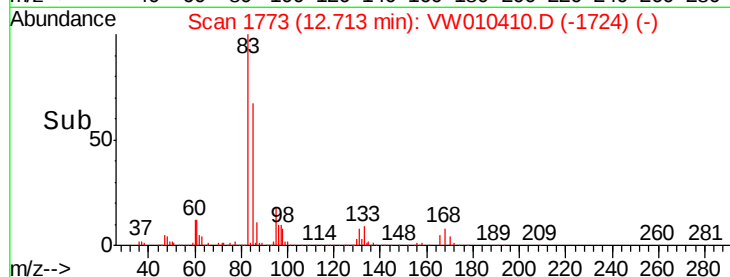
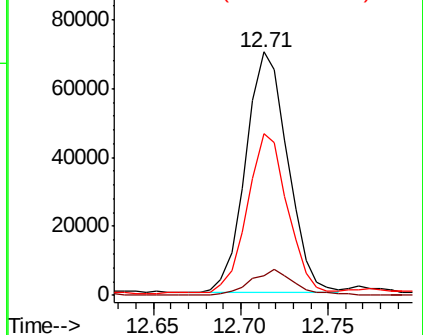
85 63.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.928 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010410.D

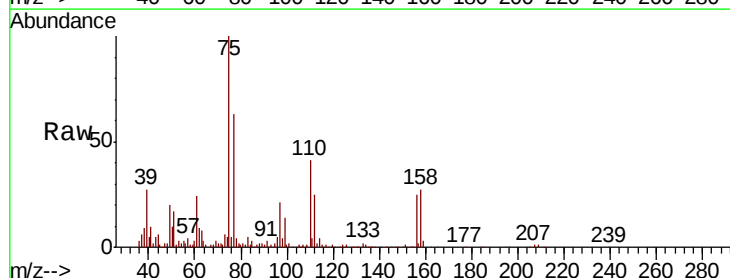
Acq: 16 May 2019 19:09

Tgt Ion: 75 Resp: 151691

Ion Ratio Lower Upper

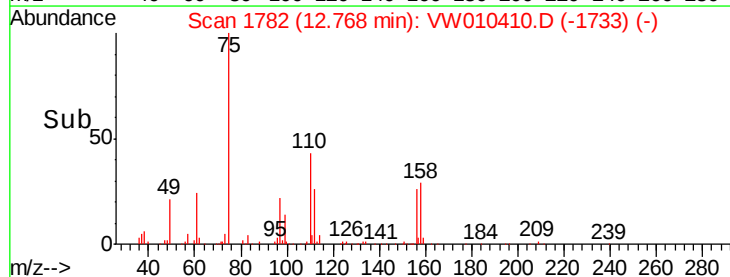
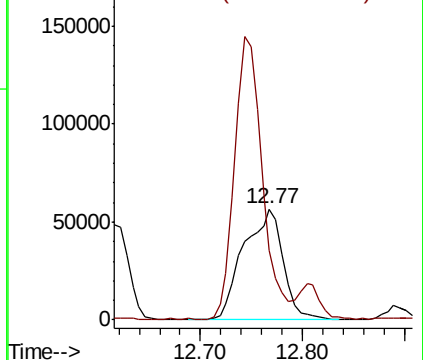
75 100

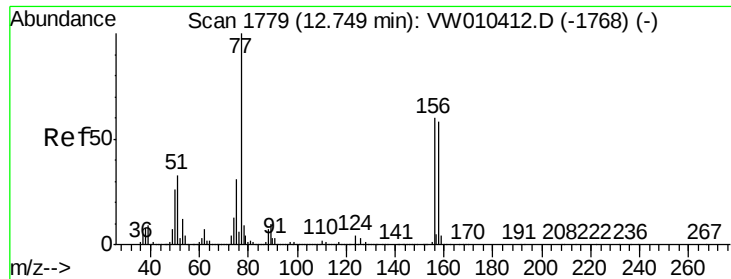
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.900 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

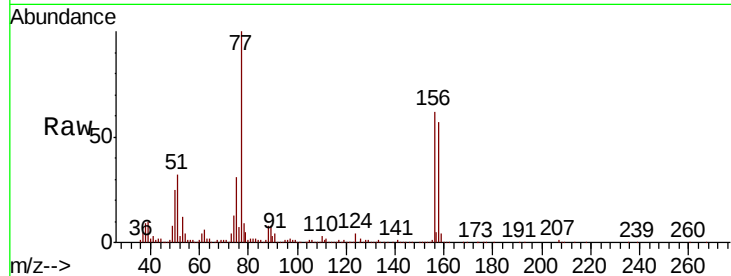
Tgt Ion: 156 Resp: 141813

Ion Ratio Lower Upper

156 100

77 190.6 95.4 286.2

158 96.6 49.0 147.0

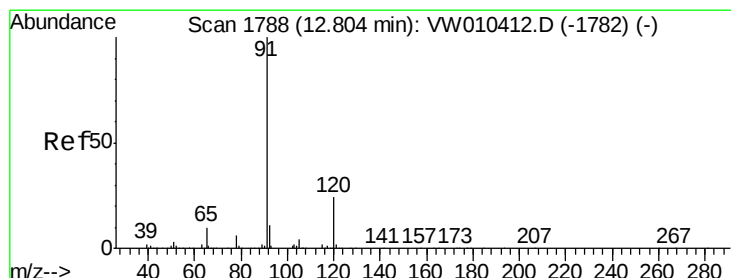
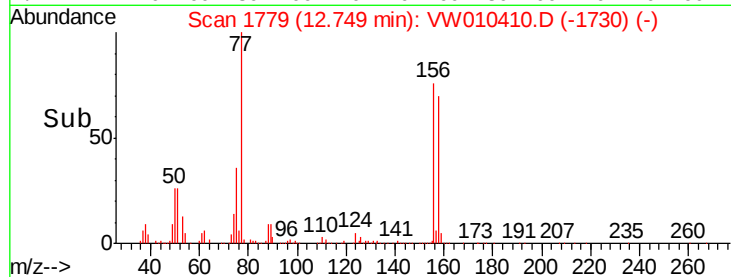
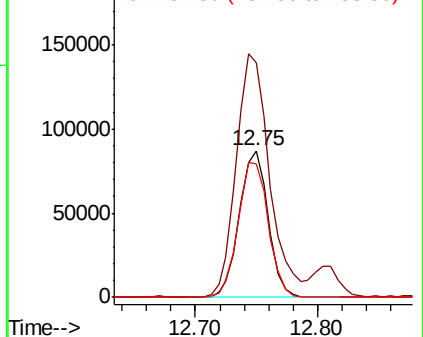


Abundance

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: 10.486 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010410.D

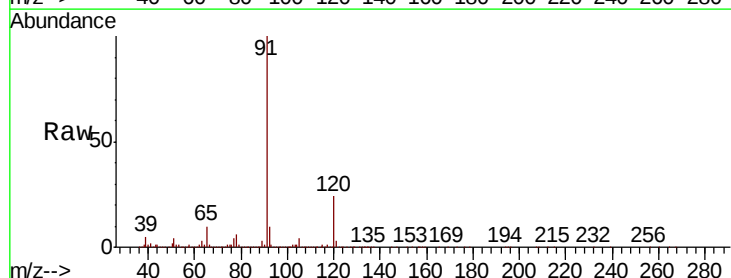
Acq: 16 May 2019 19:09

Tgt Ion: 91 Resp: 728266

Ion Ratio Lower Upper

91 100

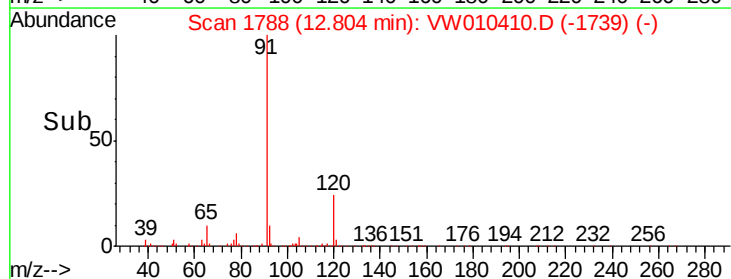
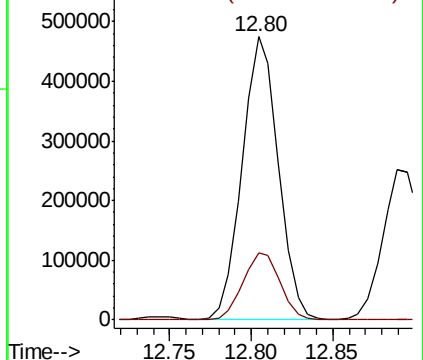
120 24.4 12.1 36.3

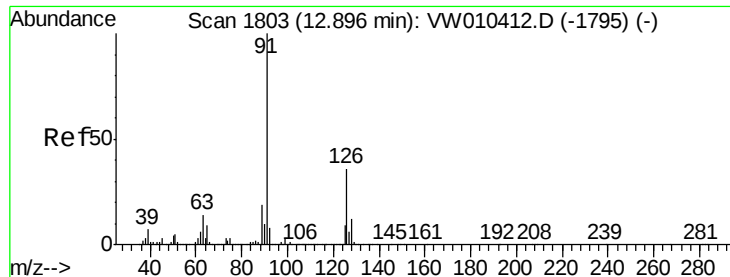


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.477 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

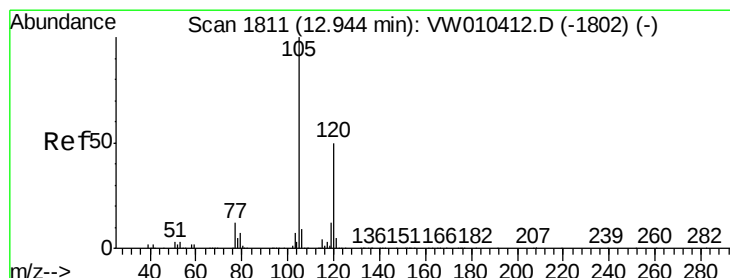
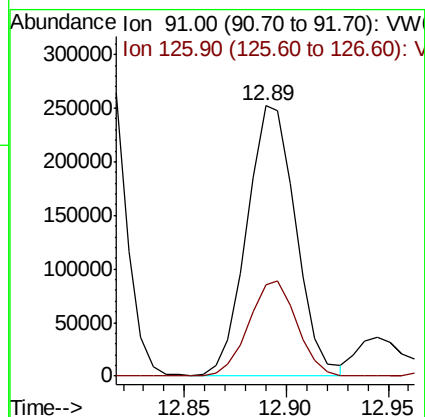
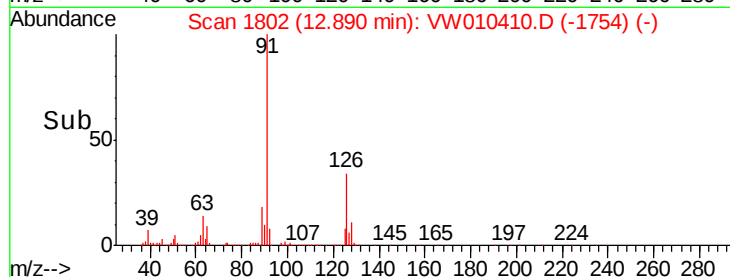
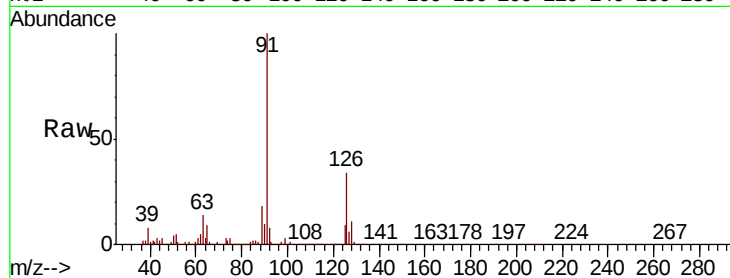
VSTDIC010

Tgt Ion: 91 Resp: 418776

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 11.067 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010410.D

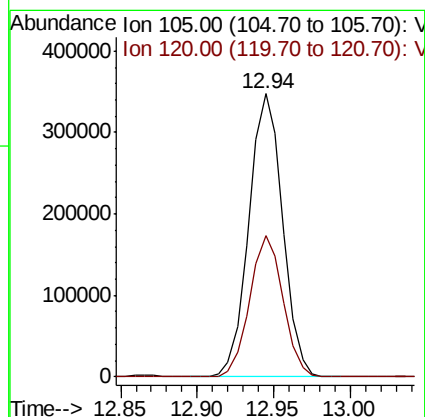
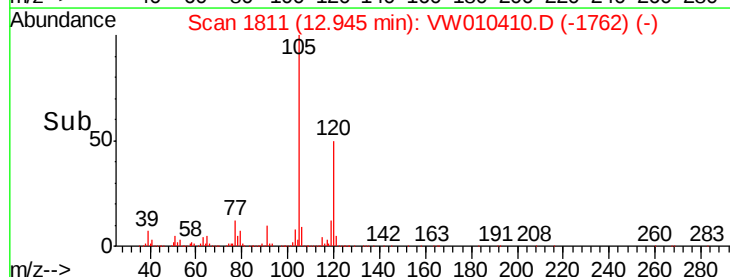
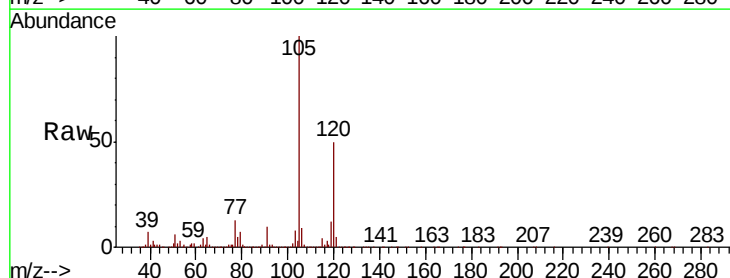
Acq: 16 May 2019 19:09

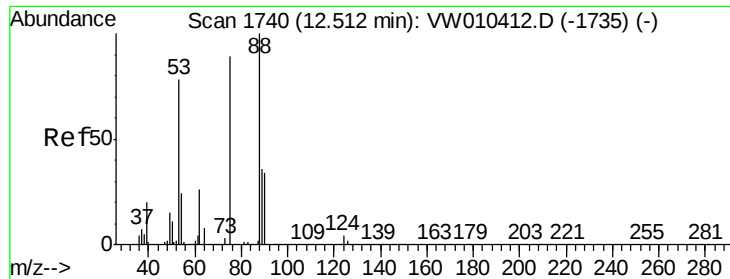
Tgt Ion: 105 Resp: 531178

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 10.369 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

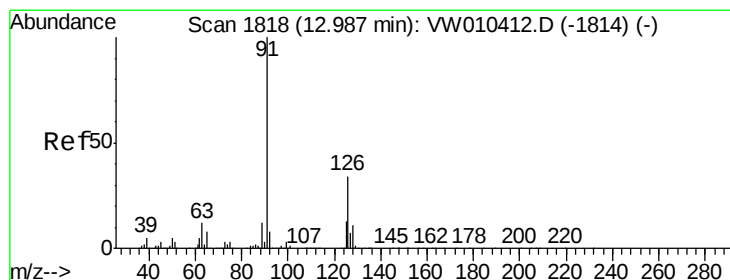
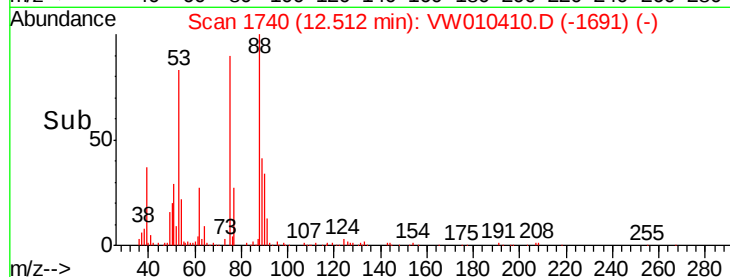
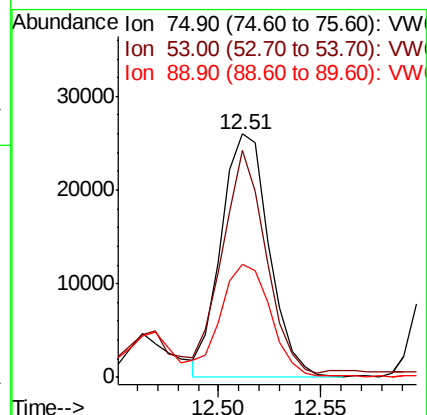
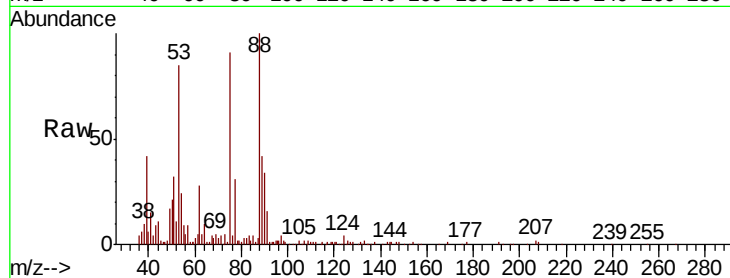
Tgt Ion: 75 Resp: 42052

Ion Ratio Lower Upper

75 100

53 82.7 71.0 106.6

89 50.8 37.4 56.2



#82

4-Chlorotoluene

Concen: 10.520 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010410.D

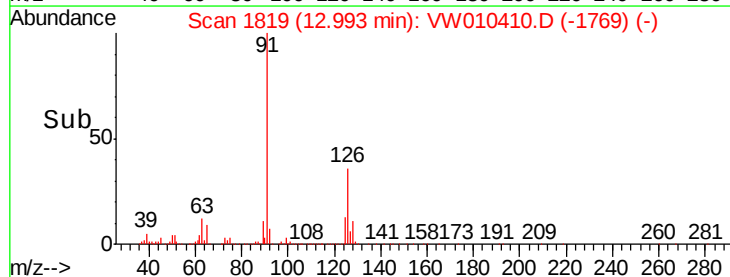
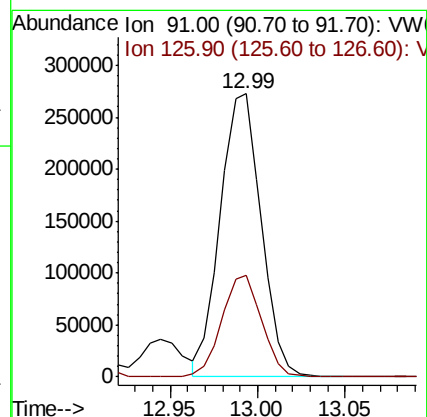
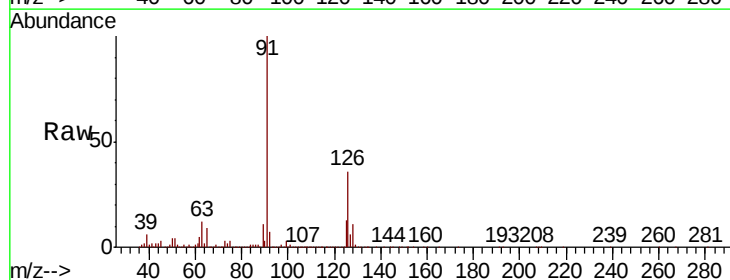
Acq: 16 May 2019 19:09

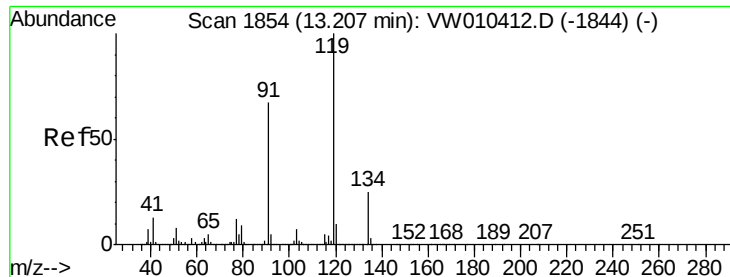
Tgt Ion: 91 Resp: 440156

Ion Ratio Lower Upper

91 100

126 35.3 17.2 51.6

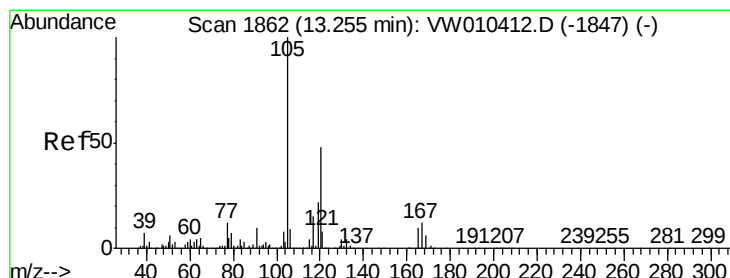
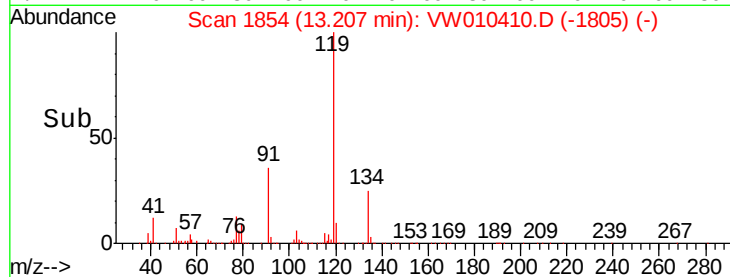
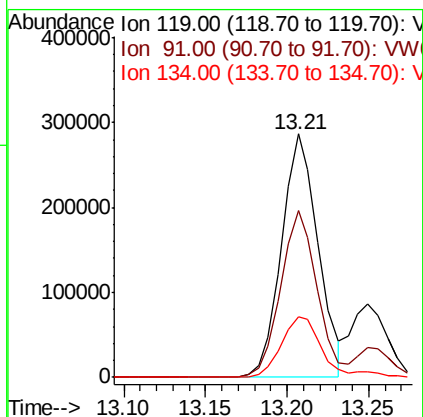
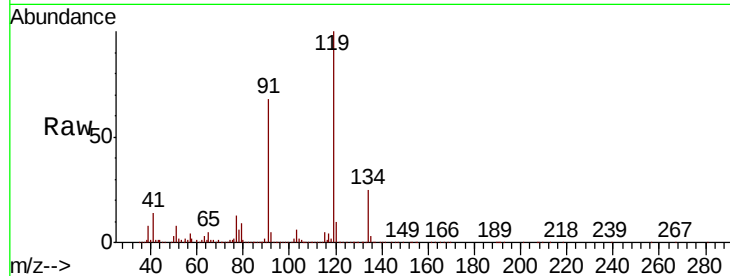




#83
tert-Butylbenzene
Concen: 11.107 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

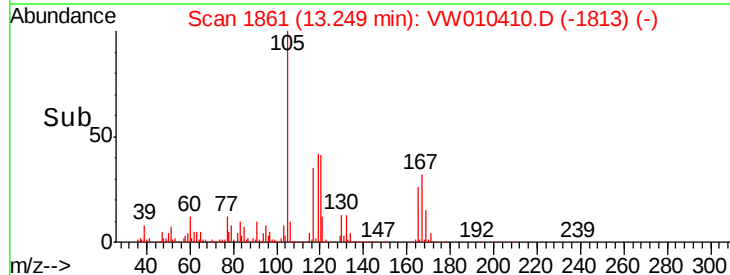
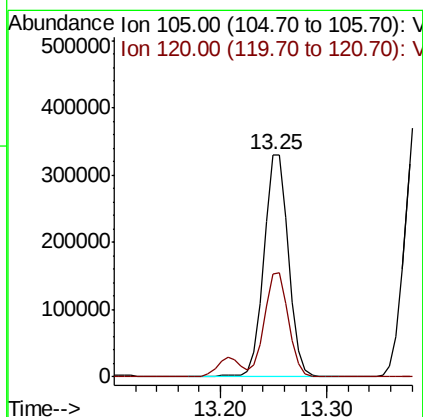
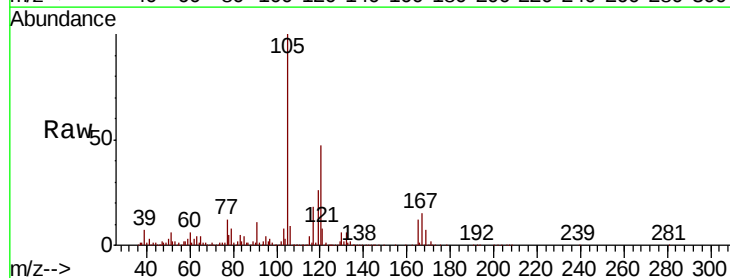
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

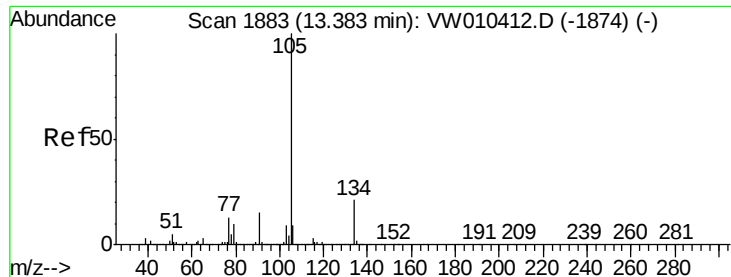
Tgt Ion:119 Resp: 446280
Ion Ratio Lower Upper
119 100
91 68.4 33.8 101.4
134 28.2 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 11.133 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion:105 Resp: 532042
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.0

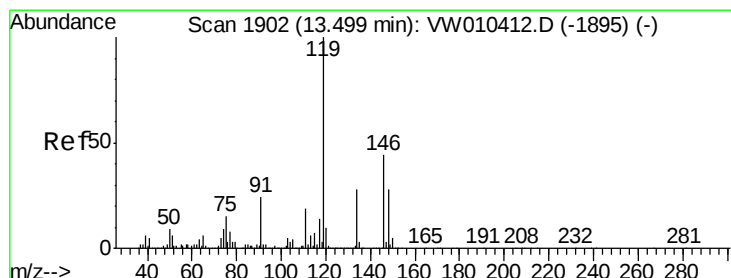
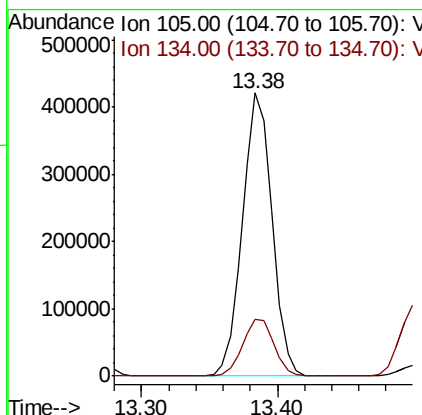
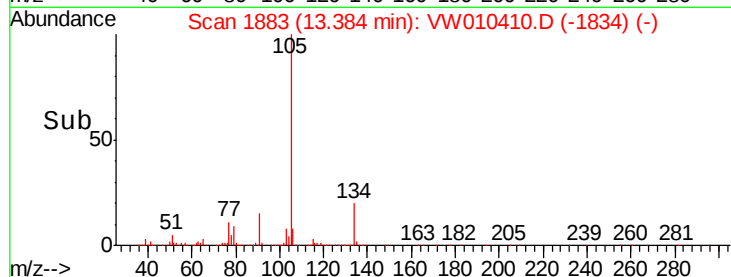
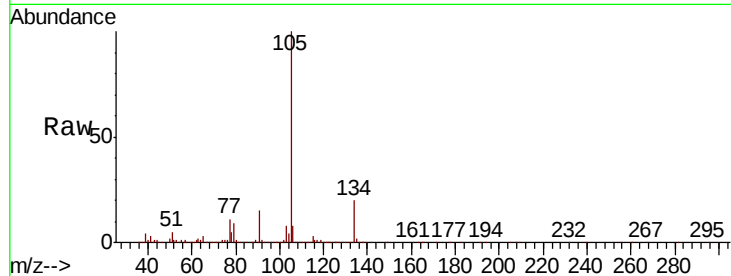




#85
 sec-Butylbenzene
 Concen: 10.872 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

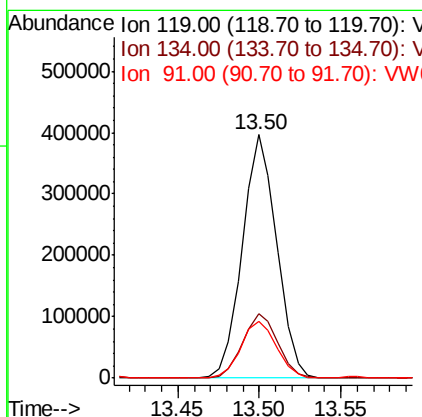
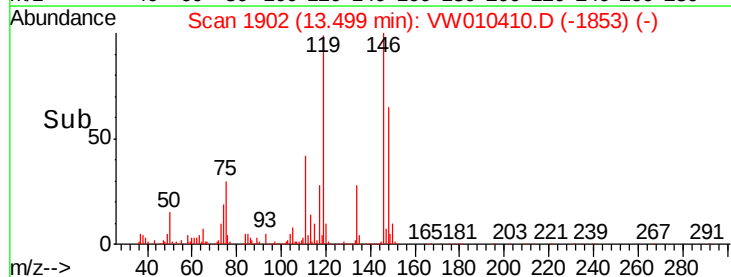
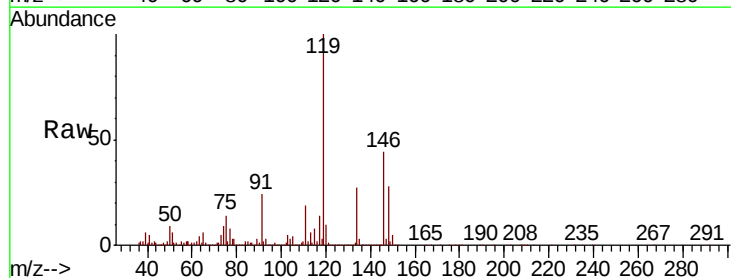
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

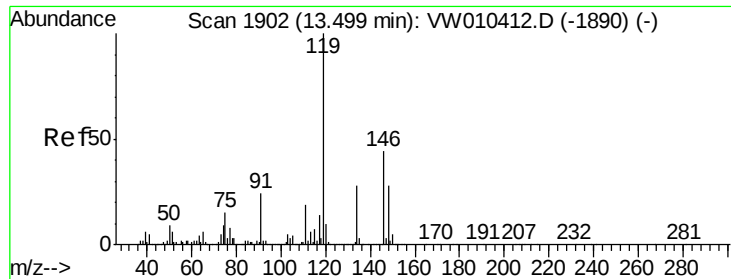
Tgt Ion:105 Resp: 639159
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 11.100 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion:119 Resp: 580568
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.6 40.8
 91 24.3 12.2 36.4

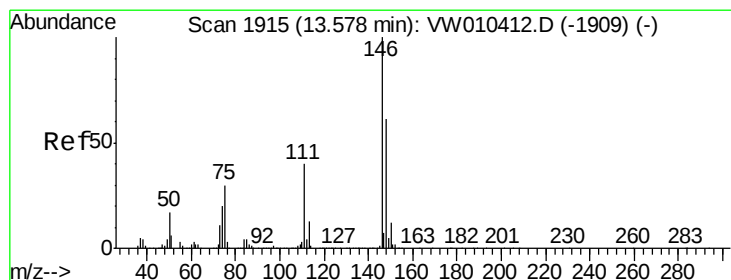
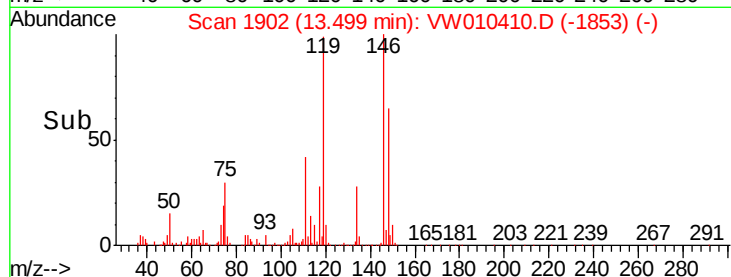
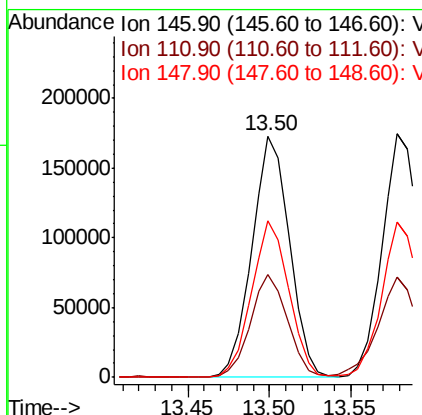
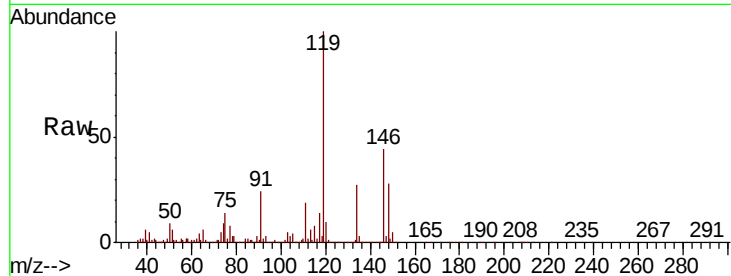




#87
 1,3-Dichlorobenzene
 Concen: 10.731 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

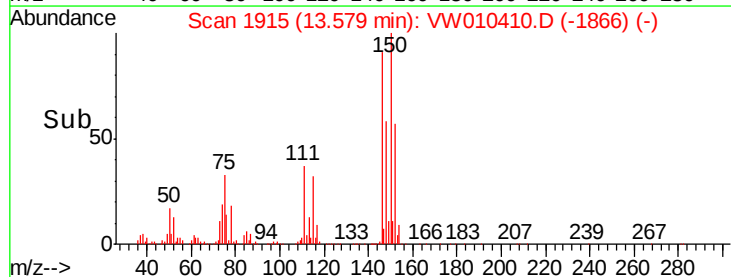
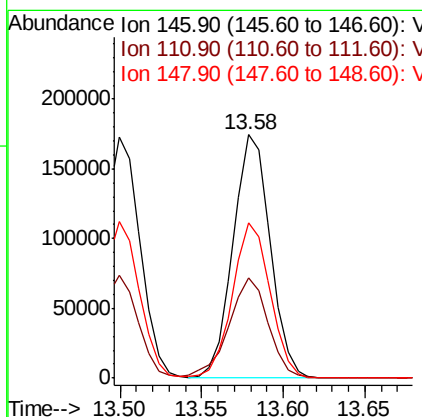
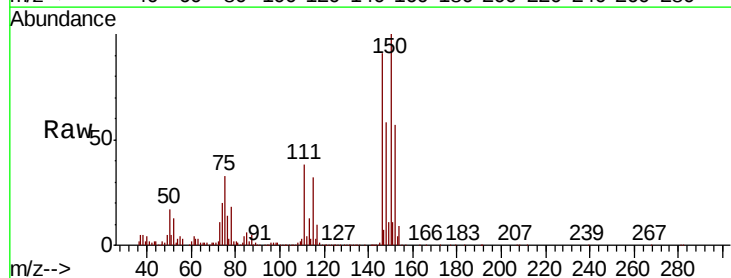
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

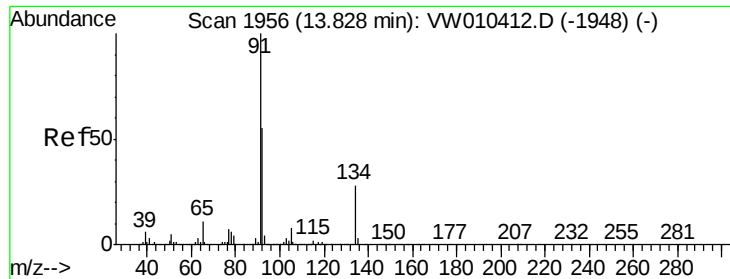
Tgt Ion:146 Resp: 276265
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.0 63.0
 148 64.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 10.832 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion:146 Resp: 278058
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.2 60.5
 148 64.6 31.6 94.7





#89

n-Butylbenzene

Concen: 10.530 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010410.D

Acq: 16 May 2019 19:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

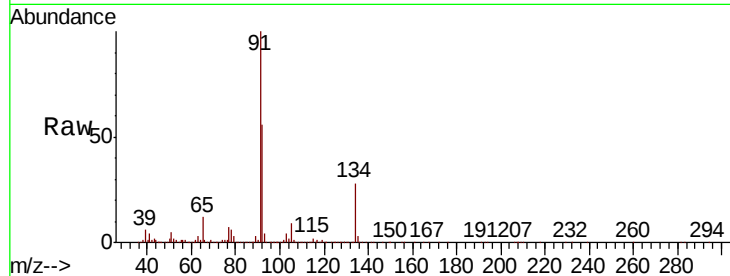
Tgt Ion: 91 Resp: 548237

Ion Ratio Lower Upper

91 100

92 56.0 27.9 83.6

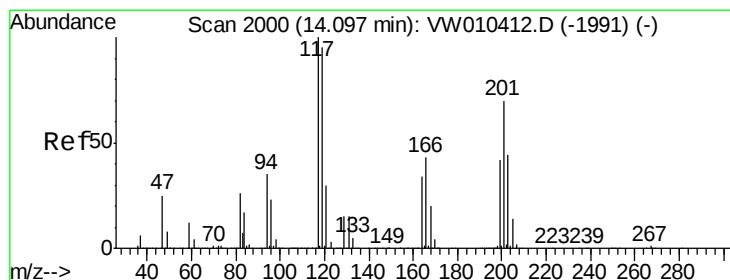
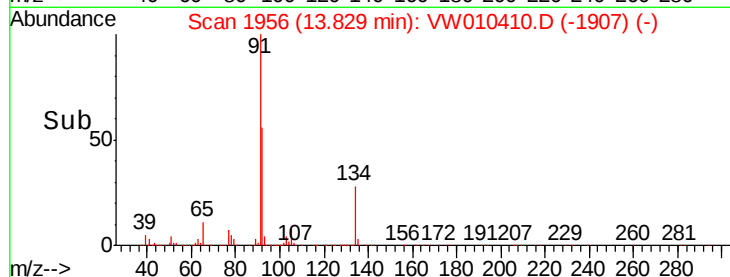
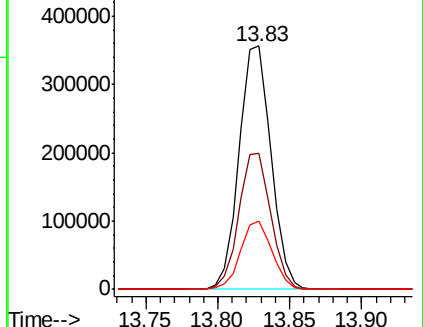
134 27.7 13.8 41.4



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: 11.595 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010410.D

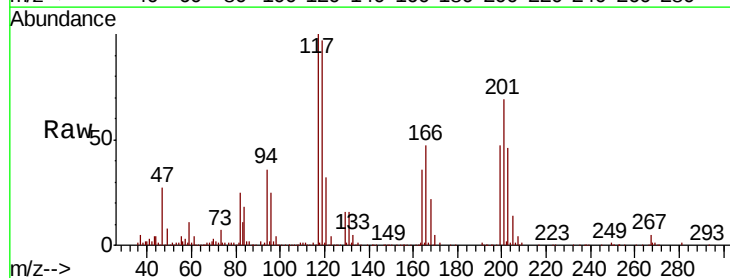
Acq: 16 May 2019 19:09

Tgt Ion: 117 Resp: 115085

Ion Ratio Lower Upper

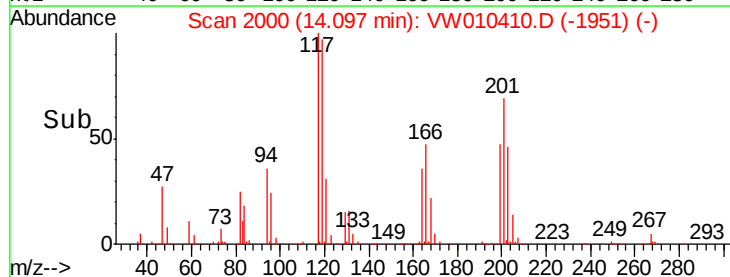
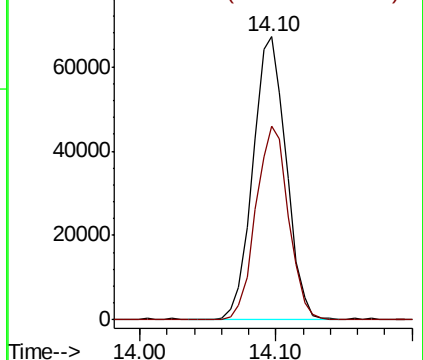
117 100

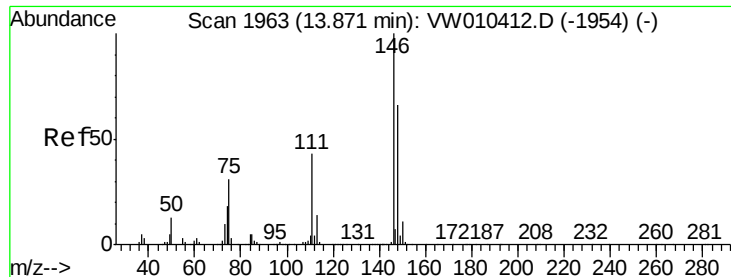
201 67.4 34.8 104.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

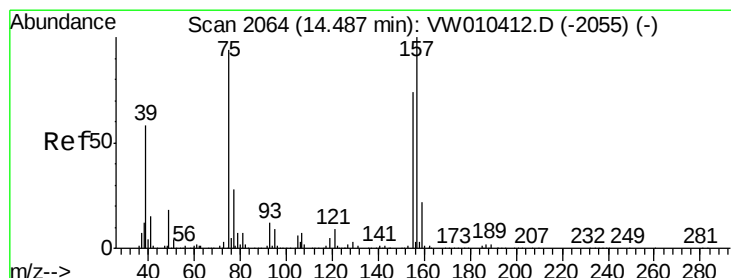
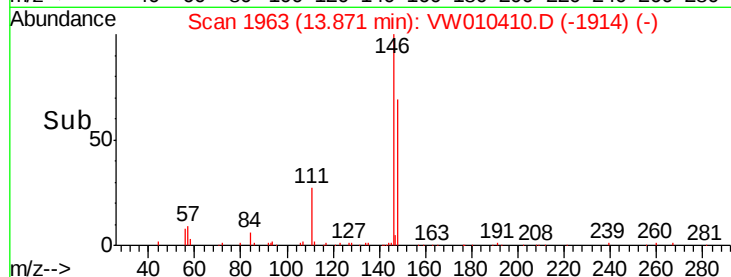
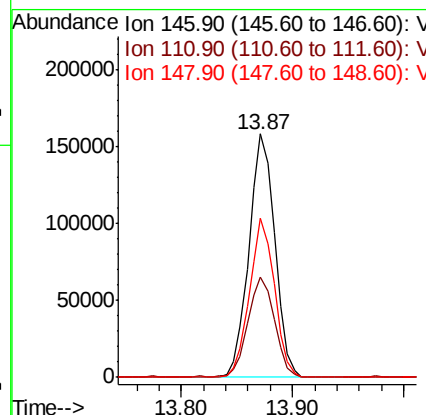
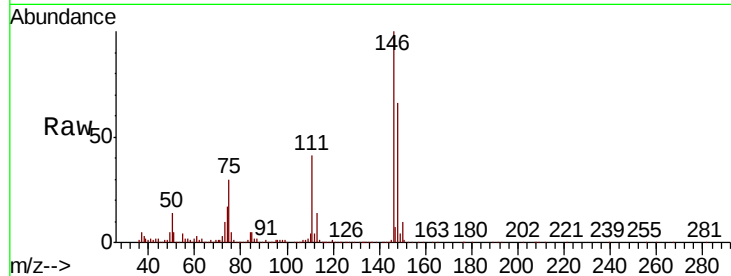




#91
 1,2-Dichlorobenzene
 Concen: 11.147 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

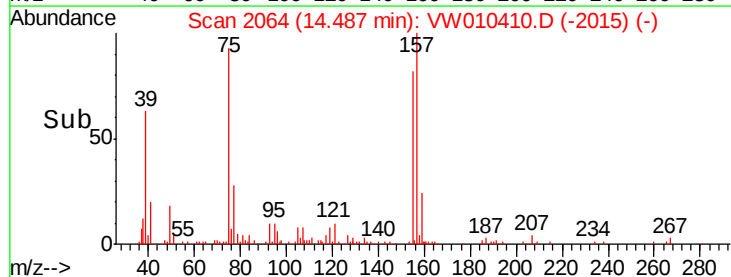
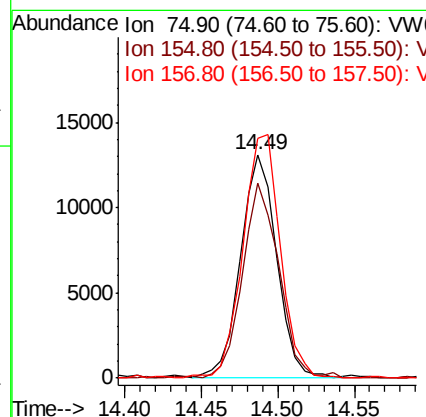
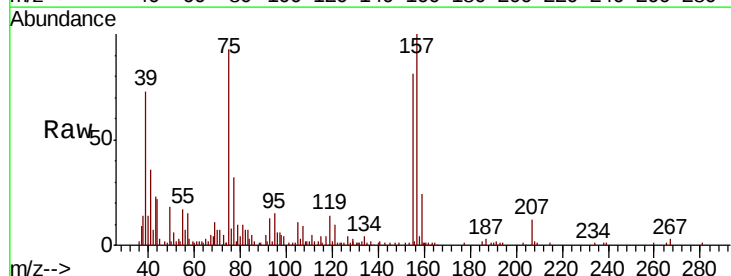
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

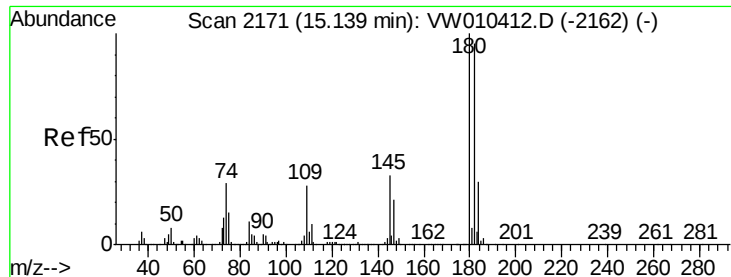
Tgt Ion: 146 Resp: 256074
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.4 64.3
 148 63.2 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.508 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion: 75 Resp: 21565
 Ion Ratio Lower Upper
 75 100
 155 87.7 43.6 130.9
 157 112.7 56.9 170.7

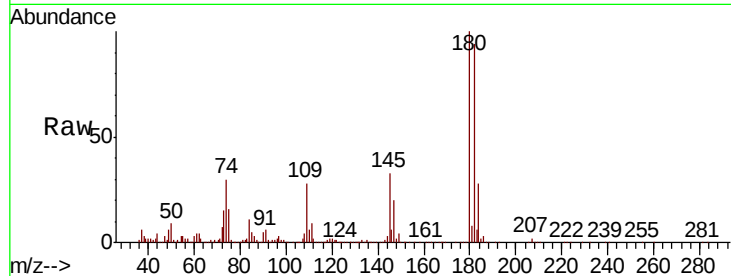




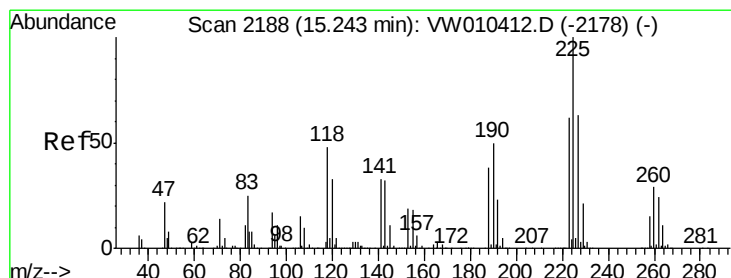
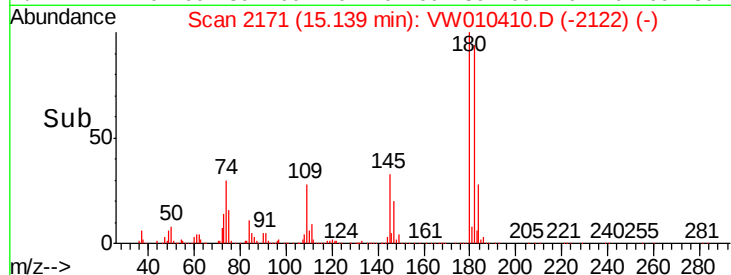
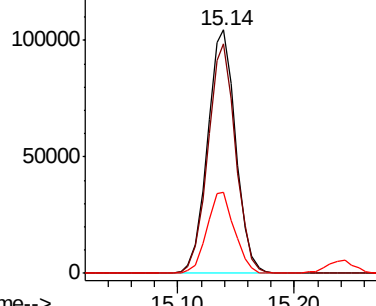
#93
 1,2,4-Trichlorobenzene
 Concen: 11.250 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.2	144.6
145	32.8	16.8	50.3

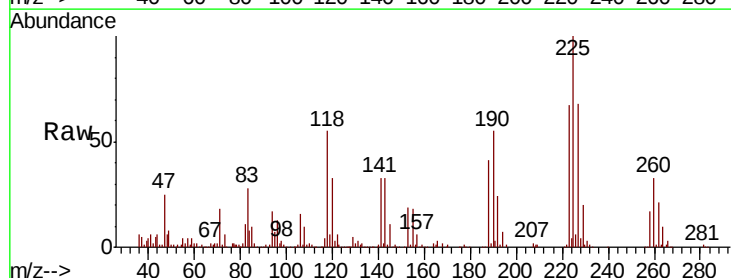


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

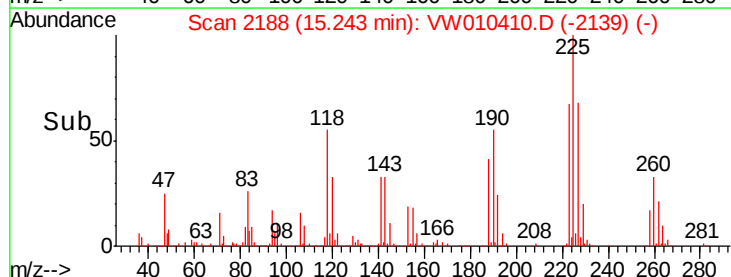
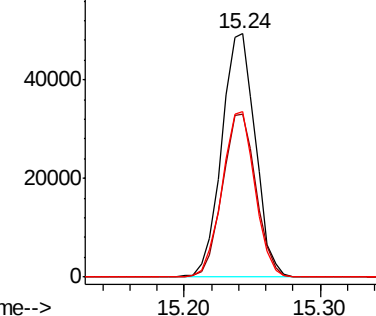


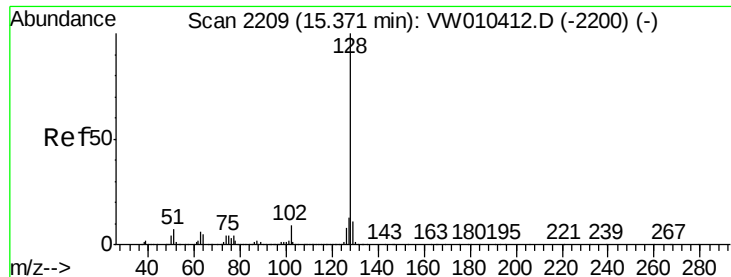
#94
 Hexachlorobutadiene
 Concen: 8.849 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010410.D
 Acq: 16 May 2019 19:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	31.8	95.3
227	66.1	31.6	95.0



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

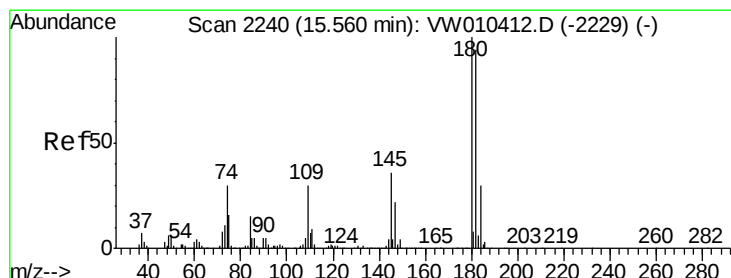
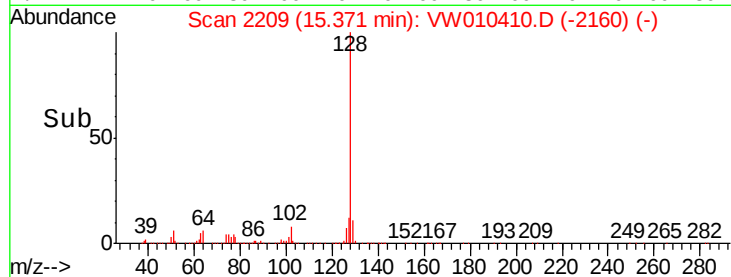
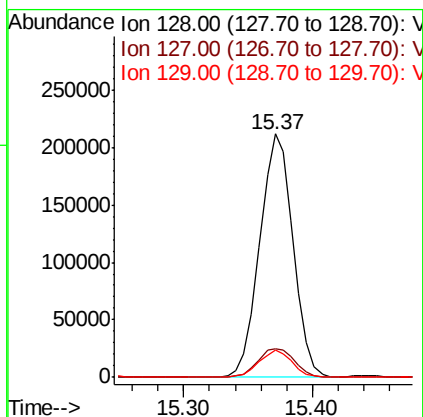
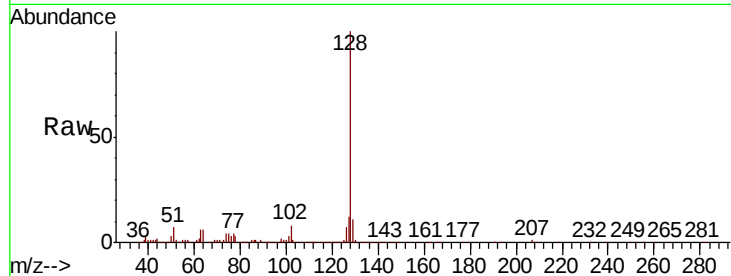




#95
Naphthalene
Concen: 11.635 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 378106
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 10.809 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010410.D
Acq: 16 May 2019 19:09

Tgt Ion:180 Resp: 152876
Ion Ratio Lower Upper
180 100
182 92.7 47.3 141.9
145 34.6 17.6 52.8

