

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
 Data File : VW010409.D
 Acq On : 16 May 2019 18:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: May 17 08:42:31 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	1083722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1821422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1643146	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	798807	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	48599	4.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.40%	
35) Dibromofluoromethane	7.88	113	51600	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
50) Toluene-d8	10.32	98	184378	4.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.54%	
62) 4-Bromofluorobenzene	12.62	95	79012	5.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	51772	6.132	ug/l 96
3) Chloromethane	2.21	50	54583	5.084	ug/l 96
4) Vinyl Chloride	2.37	62	68857	5.114	ug/l 96
5) Bromomethane	2.77	94	41374	5.216	ug/l 88
6) Chloroethane	2.92	64	35933	4.609	ug/l 96
7) Trichlorofluoromethane	3.25	101	31241	4.555	ug/l 87
8) Diethyl Ether	3.67	74	30855	5.128	ug/l 75
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53974	4.848	ug/l 99
10) Methyl Iodide	4.26	142	85668	5.324	ug/l 97
11) Tert butyl alcohol	5.18	59	23178	27.609	ug/l 97
12) 1,1-Dichloroethene	4.04	96	60133	5.168	ug/l 96
13) Acrolein	3.88	56	12255	12.586	ug/l # 62
14) Allyl chloride	4.65	41	70258	4.151	ug/l 96
15) Acrylonitrile	5.37	53	63053	19.447	ug/l 99
16) Acetone	4.12	43	53300	18.822	ug/l 97
17) Carbon Disulfide	4.38	76	162554	4.701	ug/l 100
18) Methyl Acetate	4.67	43	36320	5.000	ug/l 100
19) Methyl tert-butyl Ether	5.43	73	76084	5.357	ug/l 97
20) Methylene Chloride	4.91	84	70747	5.691	ug/l 98
21) trans-1,2-Dichloroethene	5.41	96	63047	5.009	ug/l 91
22) Diisopropyl ether	6.31	45	161237	4.761	ug/l 95
23) Vinyl Acetate	6.25	43	554935	23.844	ug/l 98
24) 1,1-Dichloroethane	6.21	63	103825	4.585	ug/l 97
25) 2-Butanone	7.17	43	94748	21.144	ug/l 98
26) 2,2-Dichloropropane	7.16	77	55042	4.888	ug/l 100
27) cis-1,2-Dichloroethene	7.16	96	71952	5.460	ug/l 98
28) Bromochloromethane	7.51	49	31775	3.672	ug/l 99
29) Tetrahydrofuran	7.53	42	63556	21.823	ug/l 98
30) Chloroform	7.67	83	108822	5.050	ug/l 96
31) Cyclohexane	7.95	56	121097	5.297	ug/l # 83
32) 1,1,1-Trichloroethane	7.87	97	87708	5.255	ug/l 98
36) 1,1-Dichloropropene	8.08	75	86198	4.515	ug/l 98
37) Ethyl Acetate	7.26	43	37882	3.724	ug/l # 90
38) Carbon Tetrachloride	8.06	117	87201	5.179	ug/l 92

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 Data File : VW010409.D
 Acq On : 16 May 2019 18:43
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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: May 17 08:42:31 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)
39) Methylcyclohexane	9.34	83	114373	4.873	ug/l	95
40) Benzene	8.32	78	248076	4.694	ug/l	99
41) Methacrylonitrile	7.49	41	23108	4.042	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	69995	4.598	ug/l	99
43) Isopropyl Acetate	8.43	43	84461	4.861	ug/l	99
44) Trichloroethene	9.09	130	72327	5.357	ug/l	88
45) 1,2-Dichloropropane	9.37	63	60478	4.595	ug/l	95
46) Dibromomethane	9.46	93	34926	5.037	ug/l	98
47) Bromodichloromethane	9.64	83	81551	4.881	ug/l	96
48) Methyl methacrylate	9.44	41	40799	5.041	ug/l	92
49) 1,4-Dioxane	9.45	88	12631	105.021	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	217220	22.298	ug/l	100
52) Toluene	10.39	92	163092	4.992	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	89203	5.270	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	101666	5.107	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	49702	5.021	ug/l	93
56) Ethyl methacrylate	10.65	69	70573	5.380	ug/l	99
57) 1,3-Dichloropropane	10.93	76	83600	4.793	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	125672	19.983	ug/l	100
59) 2-Hexanone	10.97	43	150410	21.868	ug/l	100
60) Dibromochloromethane	11.13	129	59493	5.457	ug/l	95
61) 1,2-Dibromoethane	11.23	107	49592	5.190	ug/l	99
64) Tetrachloroethene	10.86	164	59187	5.193	ug/l	97
65) Chlorobenzene	11.66	112	173133	5.099	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66164	5.693	ug/l	97
67) Ethyl Benzene	11.73	91	316802	5.146	ug/l	99
68) m/p-Xylenes	11.84	106	246752	10.692	ug/l	97
69) o-Xylene	12.16	106	116222	5.514	ug/l	97
70) Styrene	12.18	104	202141	5.512	ug/l	100
71) Bromoform	12.35	173	35377	5.261	ug/l #	97
73) Isopropylbenzene	12.46	105	315630	5.451	ug/l	99
74) N-amyl acetate	12.27	43	79495	5.198	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	59715	4.698	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	76592	8.379	ug/l #	100
77) Bromobenzene	12.75	156	71747	5.406	ug/l	99
78) n-propylbenzene	12.80	91	368592	5.203	ug/l	99
79) 2-Chlorotoluene	12.90	91	210455	5.161	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	274223	5.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	21994	5.316	ug/l	93
82) 4-Chlorotoluene	12.99	91	216970	5.084	ug/l	98
83) tert-Butylbenzene	13.21	119	229740	5.605	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	274228	5.625	ug/l	99
85) sec-Butylbenzene	13.38	105	326861	5.451	ug/l	100
86) p-Isopropyltoluene	13.50	119	296982	5.566	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	142076	5.410	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	139934	5.344	ug/l	92
89) n-Butylbenzene	13.83	91	284309	5.353	ug/l	98
90) Hexachloroethane	14.10	117	57584	5.688	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	127635	5.447	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11572	5.002	ug/l	98

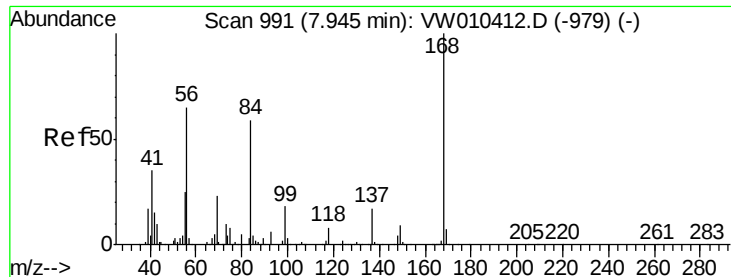
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
Data File : VW010409.D
Acq On : 16 May 2019 18:43
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: May 17 08:42:31 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)
93) 1,2,4-Trichlorobenzene	15.14	180	86639	5.441	ug/l	99
94) Hexachlorobutadiene	15.24	225	46400	4.694	ug/l	99
95) Naphthalene	15.37	128	188386	5.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77153	5.348	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

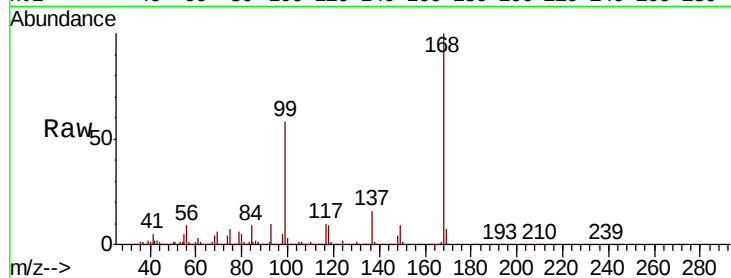
VSTDIC005

Tgt Ion:168 Resp: 1083722

Ion Ratio Lower Upper

168 100

99 58.1 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

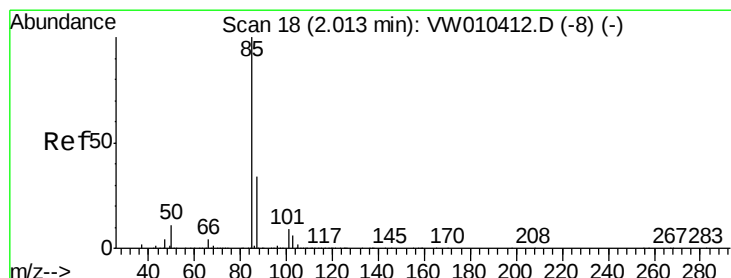
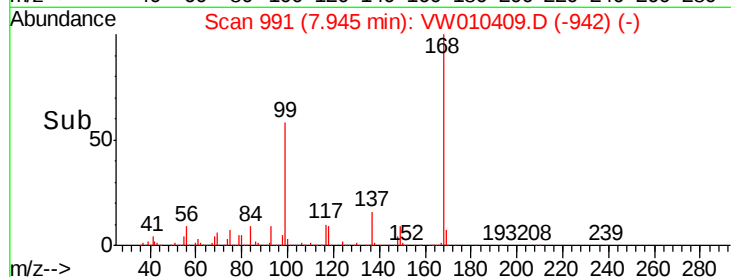
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 6.132 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010409.D

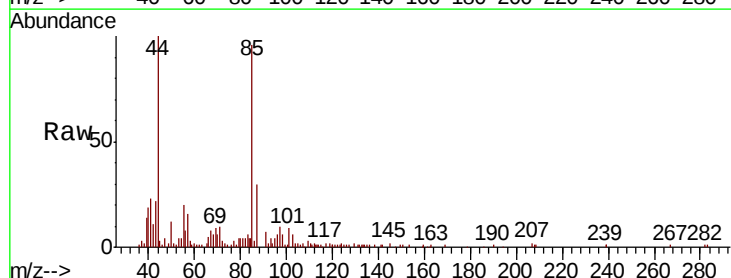
Acq: 16 May 2019 18:43

Tgt Ion: 85 Resp: 51772

Ion Ratio Lower Upper

85 100

87 31.4 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

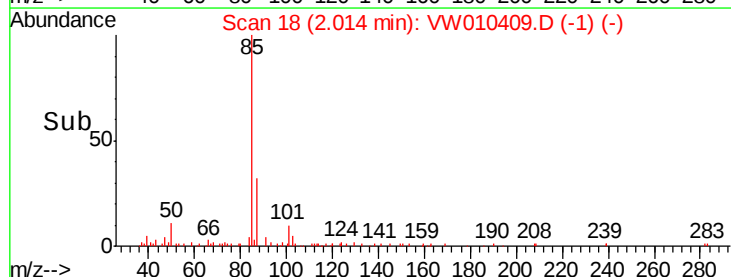
15000

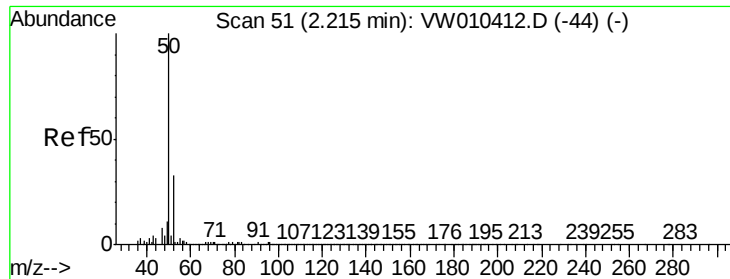
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 5.084 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

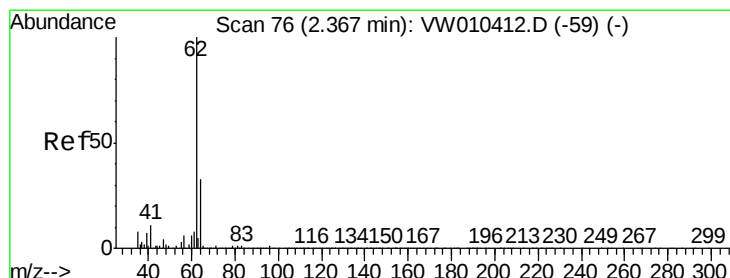
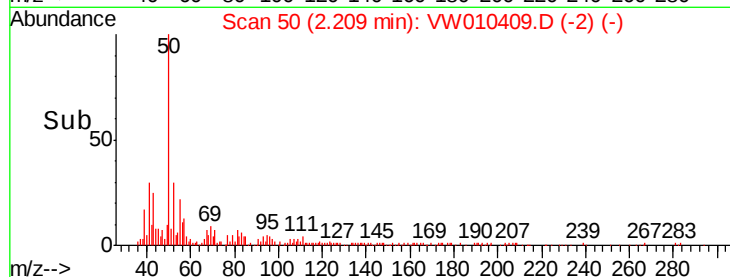
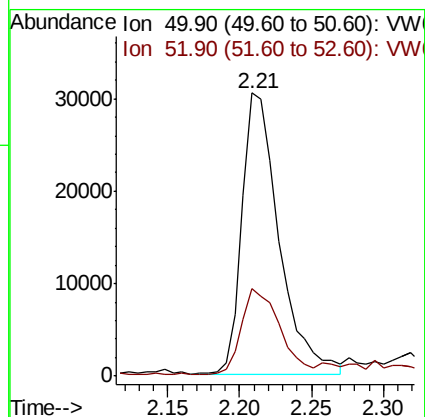
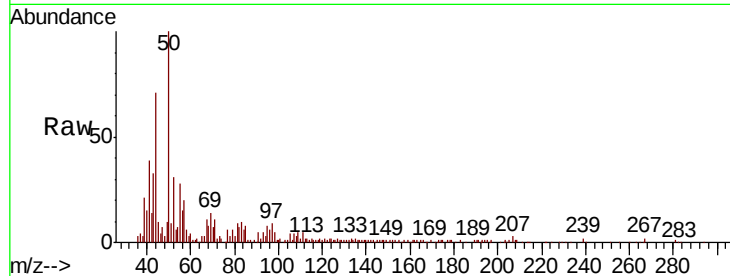
VSTDIC005

Tgt Ion: 50 Resp: 54583

Ion Ratio Lower Upper

50 100

52 30.4 26.2 39.2



#4

Vinyl Chloride

Concen: 5.114 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010409.D

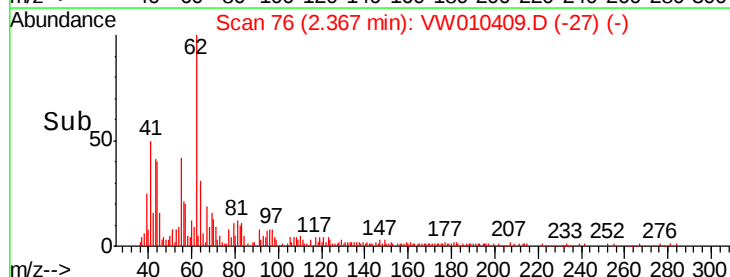
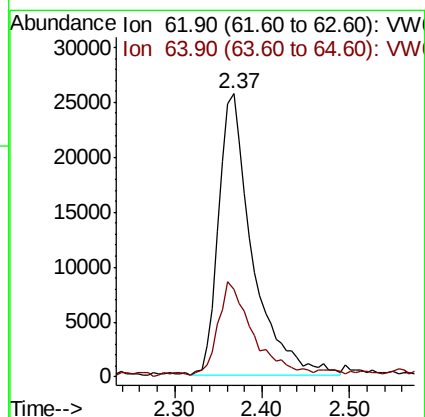
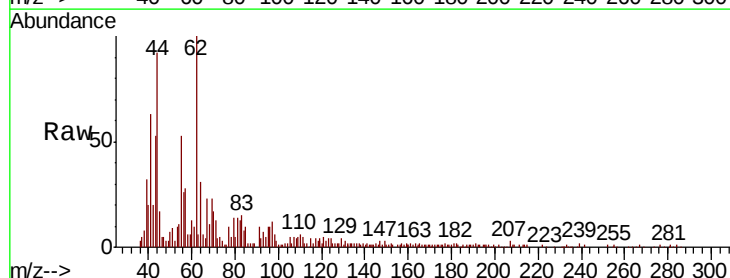
Acq: 16 May 2019 18:43

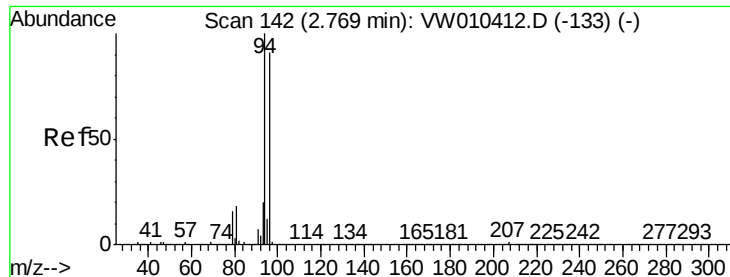
Tgt Ion: 62 Resp: 68857

Ion Ratio Lower Upper

62 100

64 30.4 26.2 39.2





#5

Bromomethane

Concen: 5.216 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

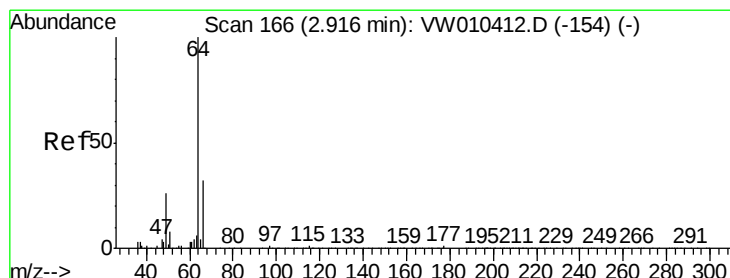
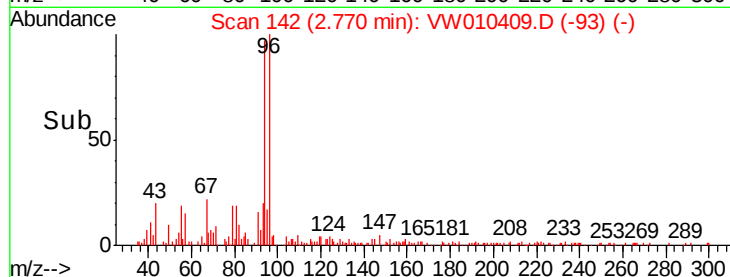
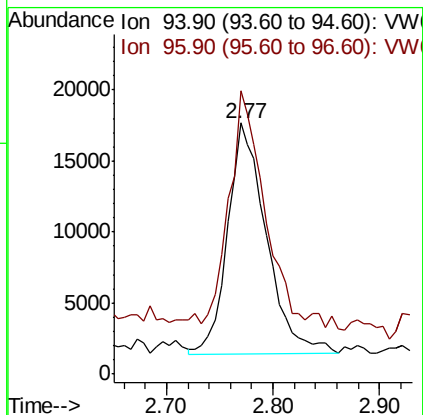
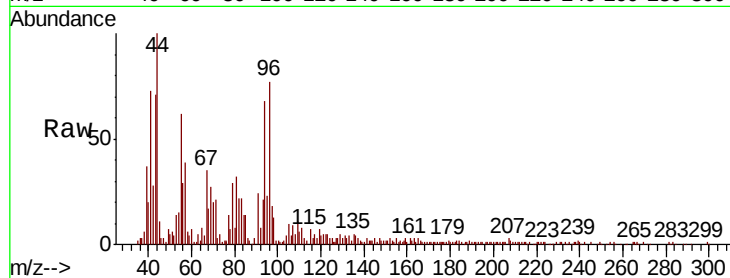
VSTDIC005

Tgt Ion: 94 Resp: 41374

Ion Ratio Lower Upper

94 100

96 103.7 73.4 110.2



#6

Chloroethane

Concen: 4.609 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW010409.D

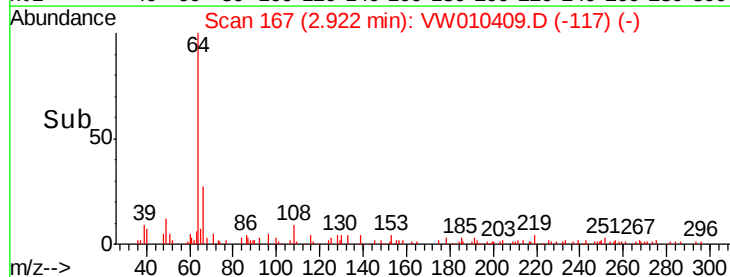
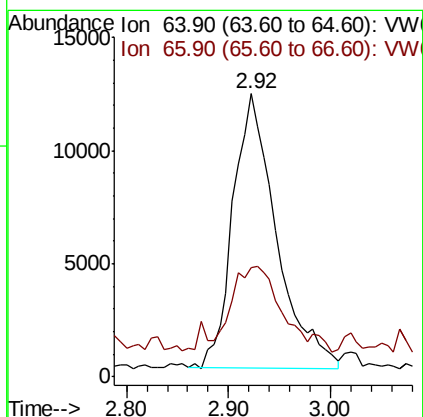
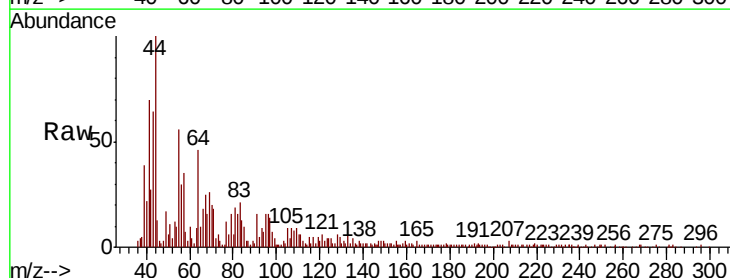
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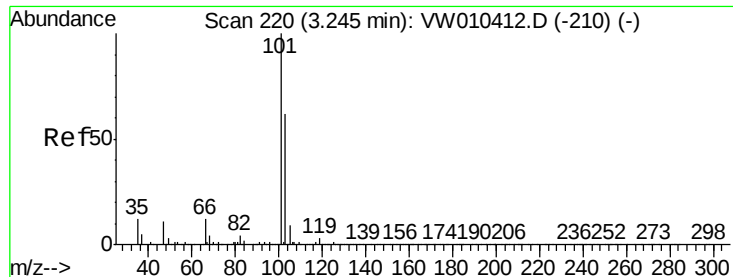
Tgt Ion: 64 Resp: 35933

Ion Ratio Lower Upper

64 100

66 29.6 25.4 38.0



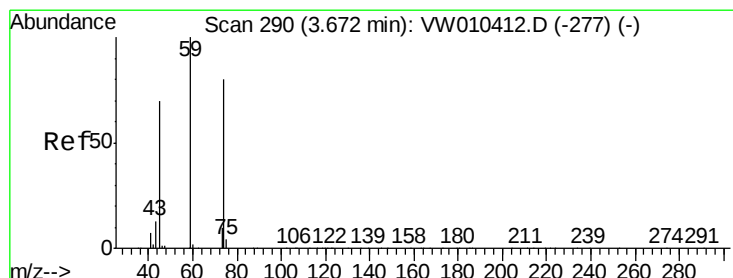
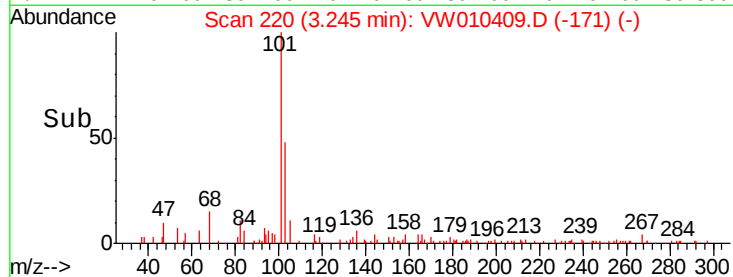
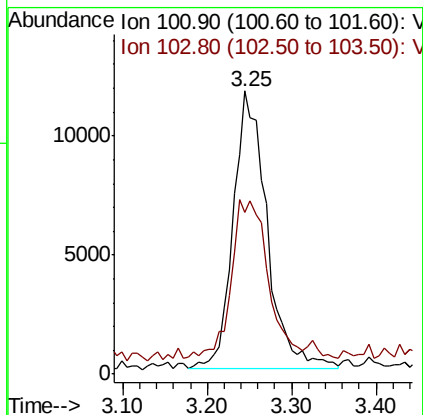
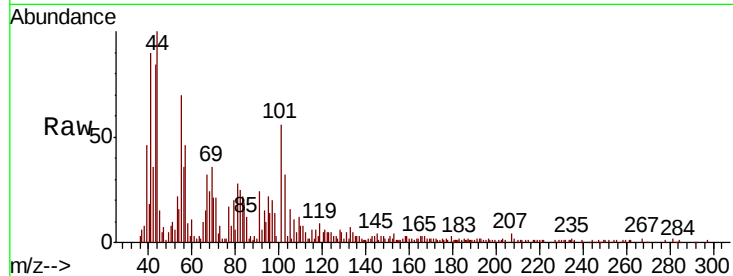


#7

Trichlorofluoromethane
Concen: 4.555 ug/l
RT: 3.25 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

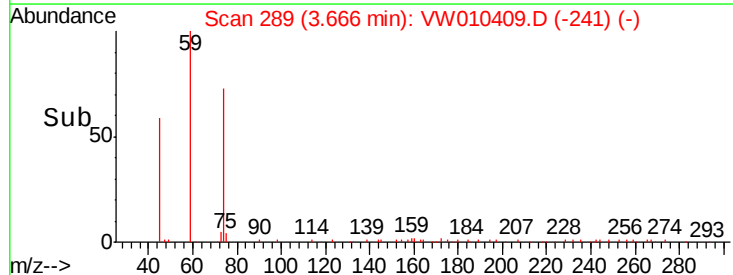
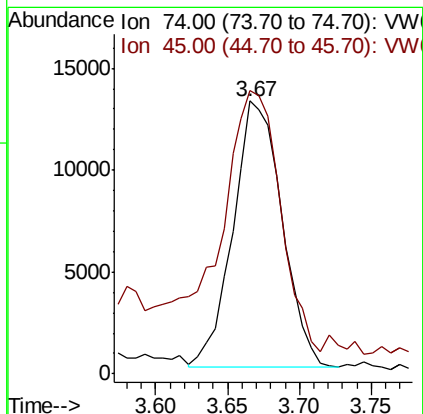
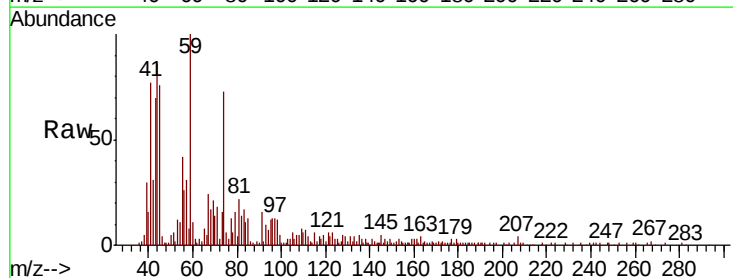
Tgt Ion: 101 Resp: 31241
Ion Ratio Lower Upper
101 100
103 52.4 49.9 74.9

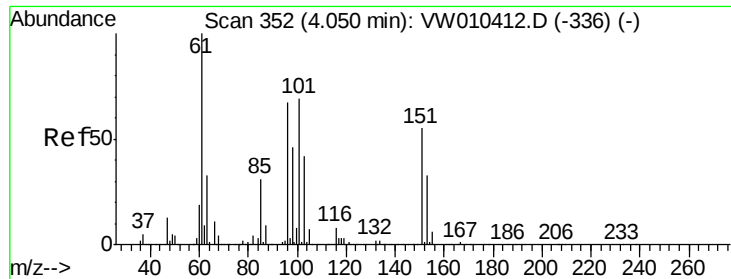


#8

Diethyl Ether
Concen: 5.128 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 74 Resp: 30855
Ion Ratio Lower Upper
74 100
45 115.5 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.848 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

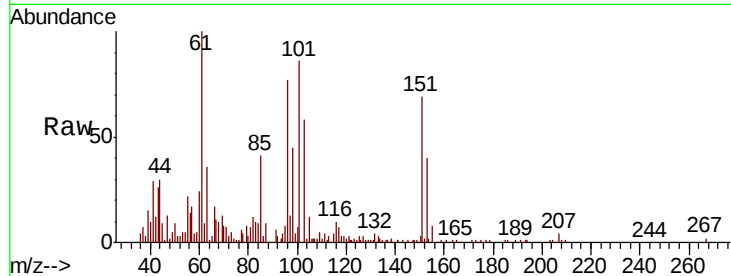
Tgt Ion:101 Resp: 53974

Ion Ratio Lower Upper

101 100

85 42.4 35.0 52.4

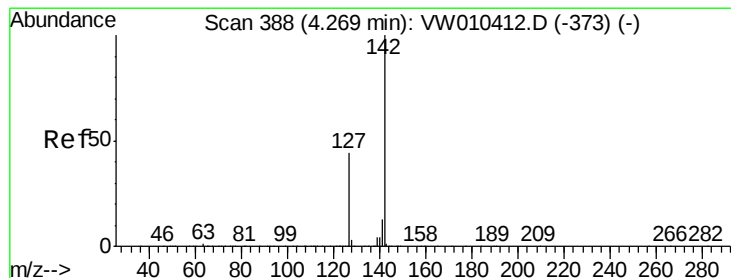
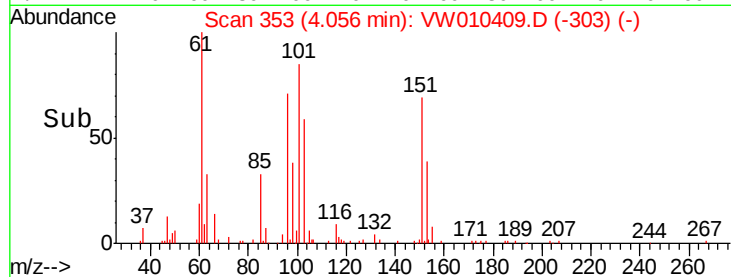
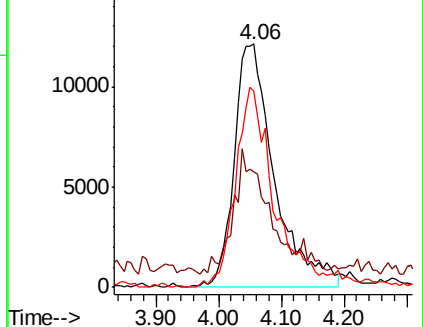
151 77.6 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.324 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

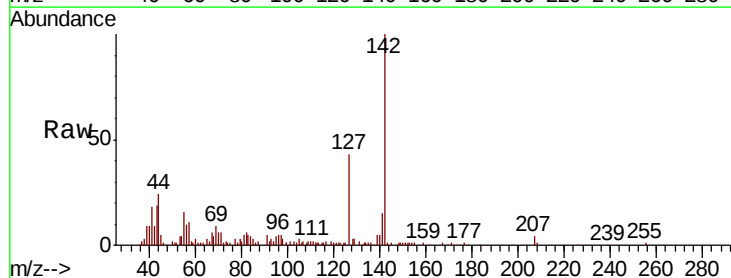
Tgt Ion:142 Resp: 85668

Ion Ratio Lower Upper

142 100

127 45.1 34.5 51.7

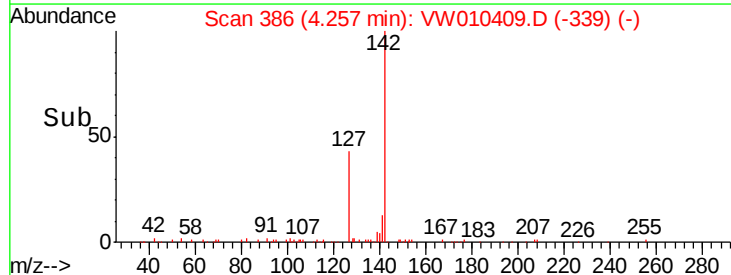
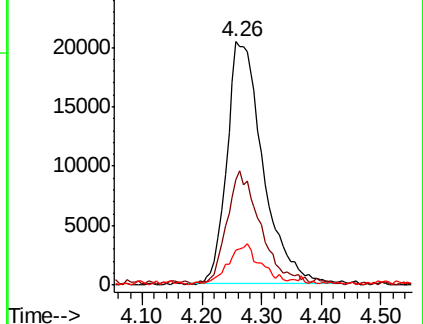
141 15.8 11.4 17.0

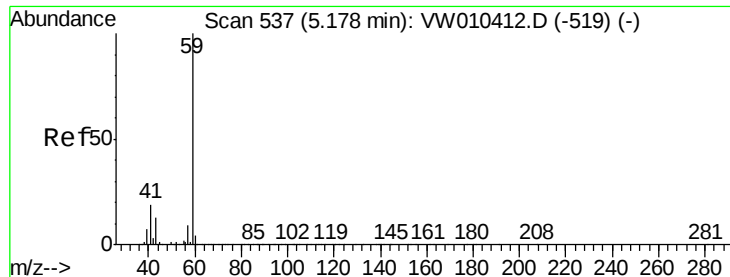


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

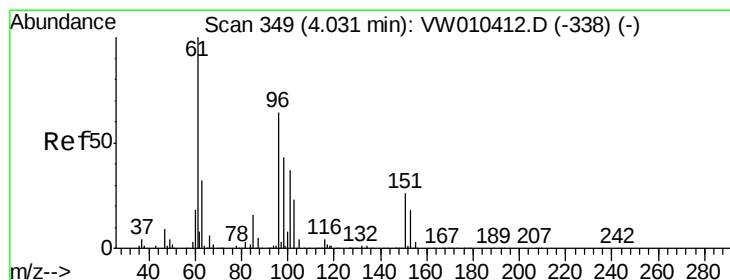
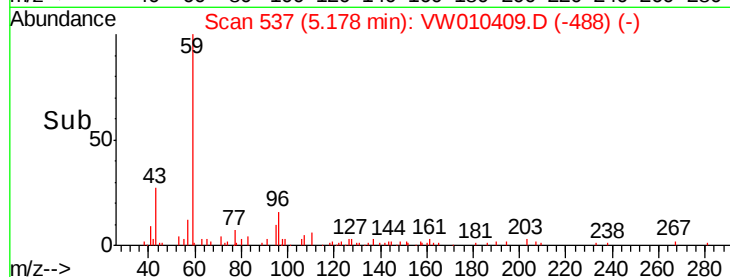
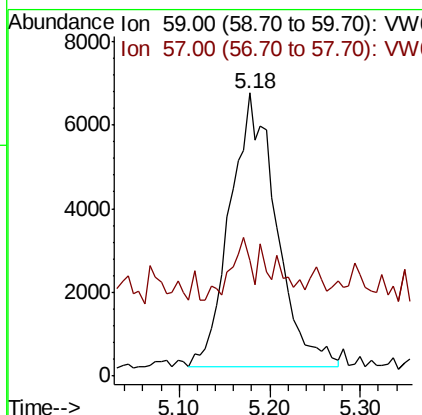
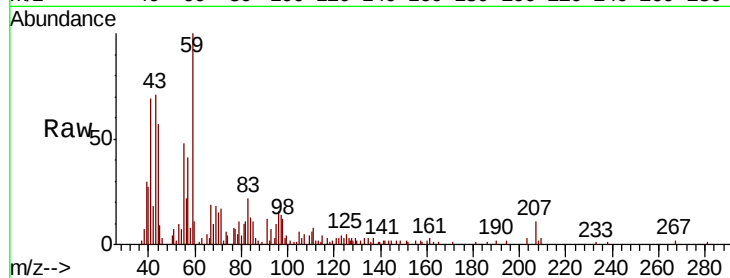




#11
Tert butyl alcohol
Concen: 27.609 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

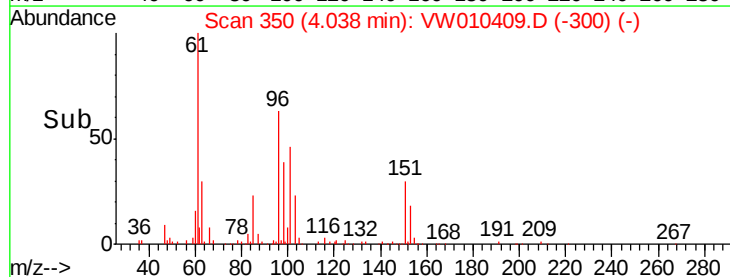
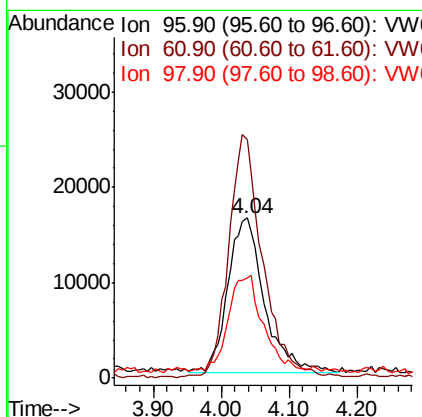
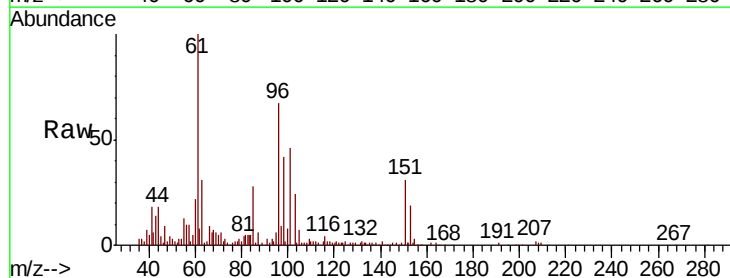
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

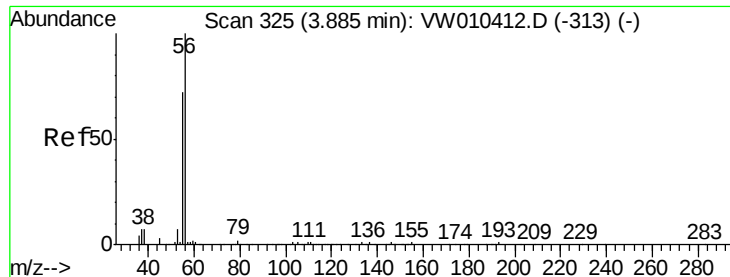
Tgt Ion: 59 Resp: 23178
Ion Ratio Lower Upper
59 100
57 9.8 8.7 13.1



#12
1,1-Dichloroethene
Concen: 5.168 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 96 Resp: 60133
Ion Ratio Lower Upper
96 100
61 152.6 124.1 186.1
98 60.5 53.4 80.0





#13

Acrolein

Concen: 12.586 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

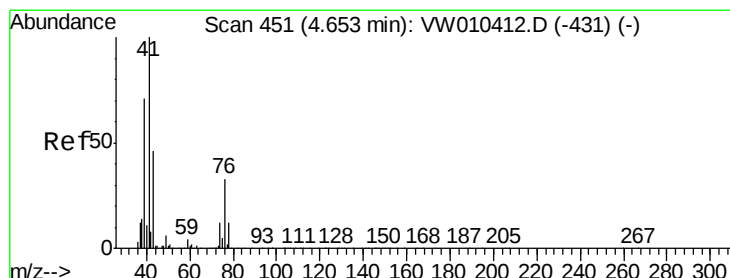
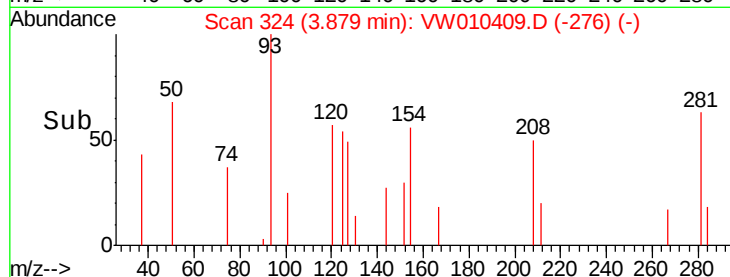
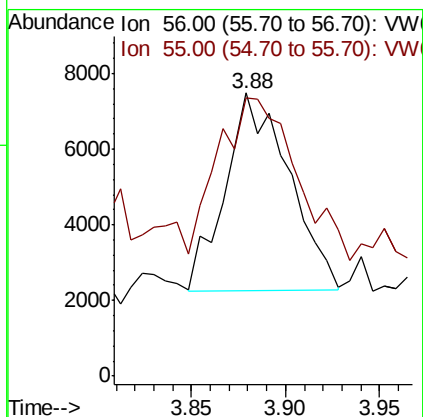
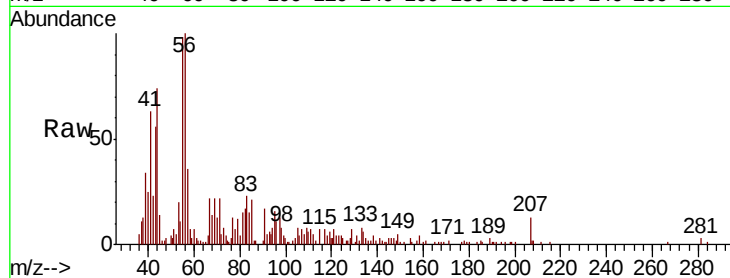
VSTDIC005

Tgt Ion: 56 Resp: 12255

Ion Ratio Lower Upper

56 100

55 101.2 56.1 84.1#



#14

Allyl chloride

Concen: 4.151 ug/l

RT: 4.65 min Scan# 451

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

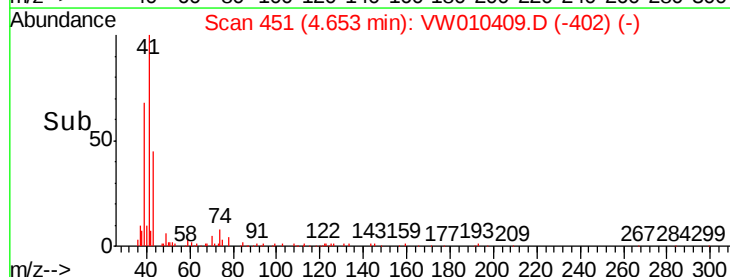
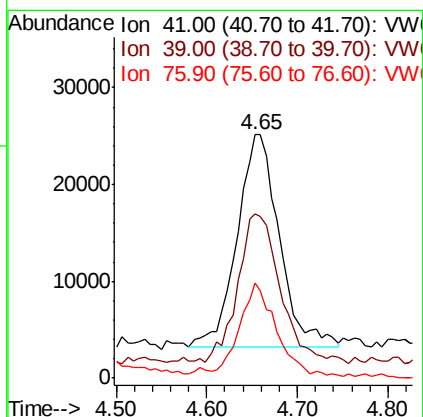
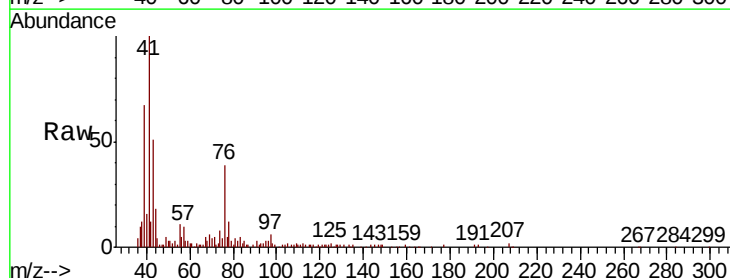
Tgt Ion: 41 Resp: 70258

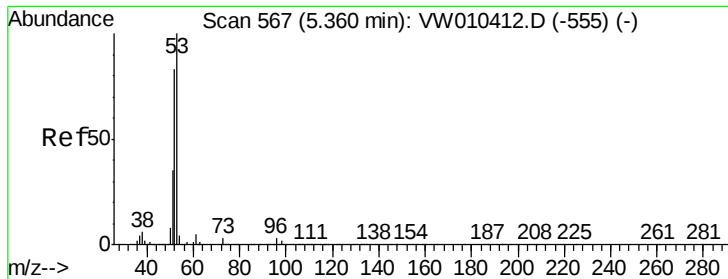
Ion Ratio Lower Upper

41 100

39 72.6 54.3 81.5

76 38.4 30.7 46.1





#15

Acrylonitrile

Concen: 19.447 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

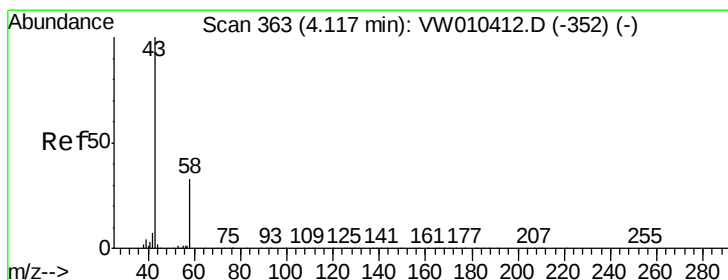
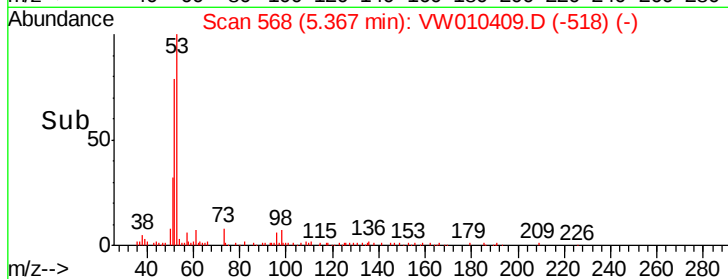
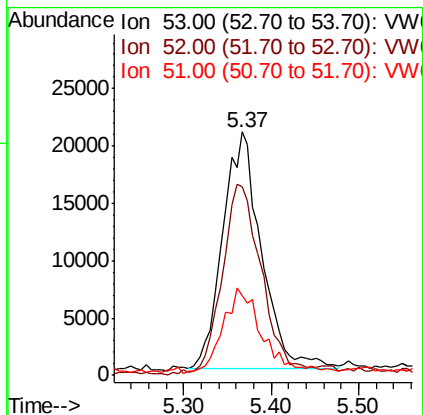
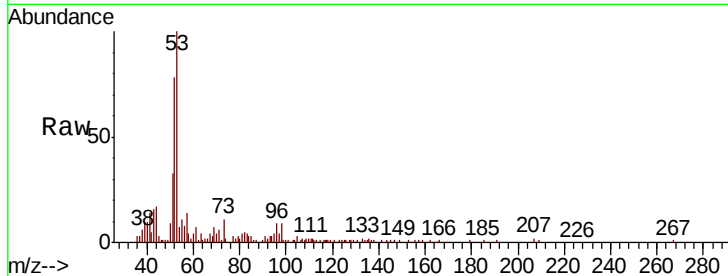
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	63053
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.2	99.2
51	37.0	28.9	43.3



#16

Acetone

Concen: 18.822 ug/l

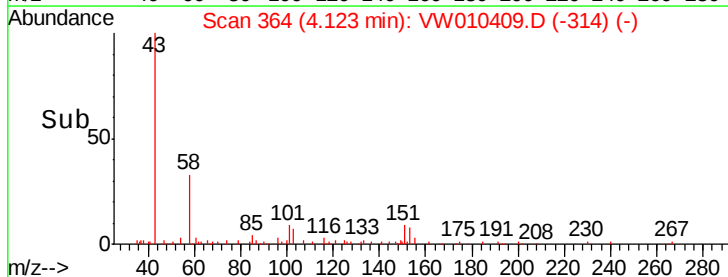
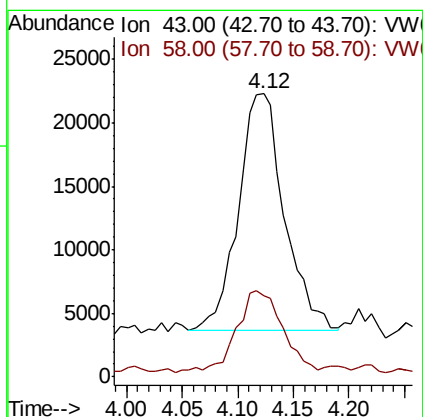
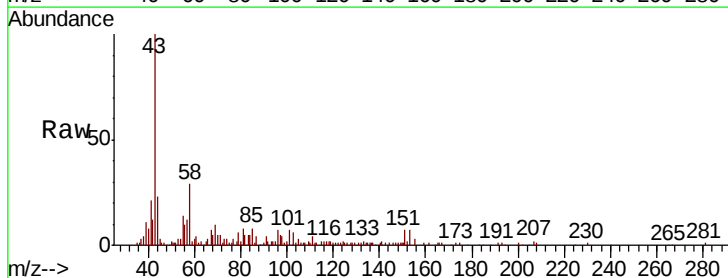
RT: 4.12 min Scan# 364

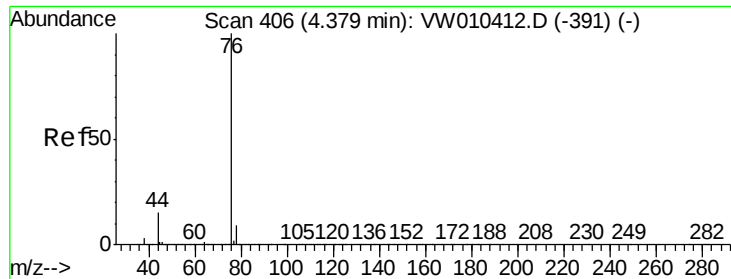
Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Tgt Ion:	43	Resp:	53300
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.5	39.7

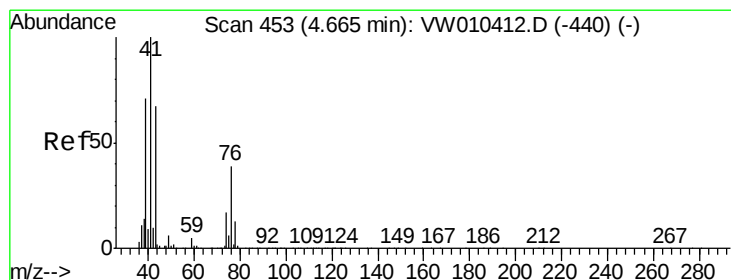
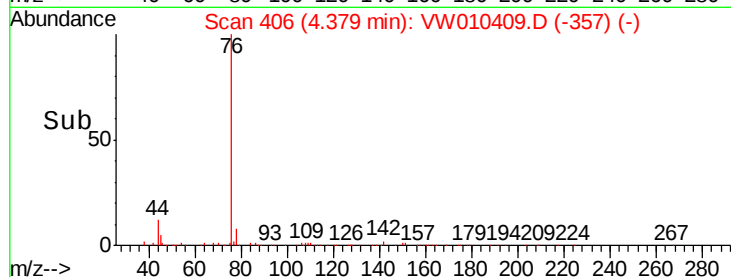
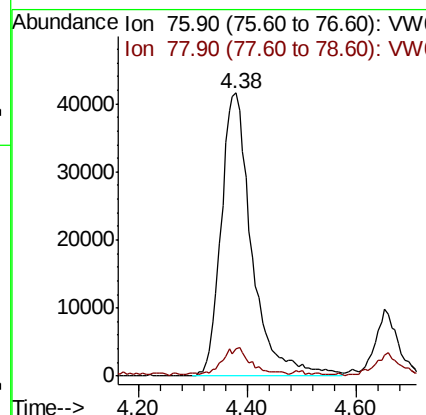
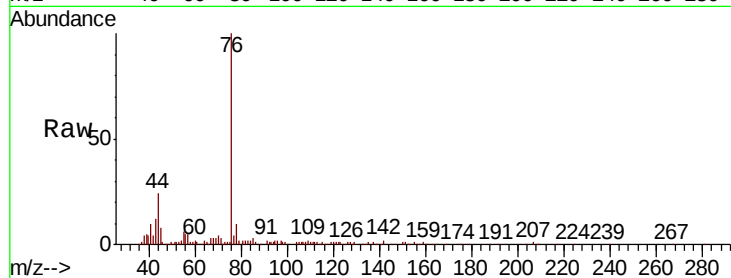




#17
Carbon Disulfide
Concen: 4.701 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

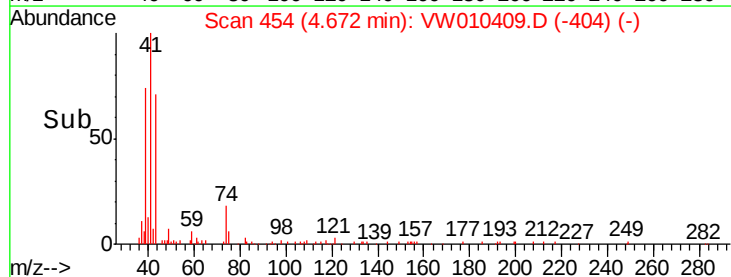
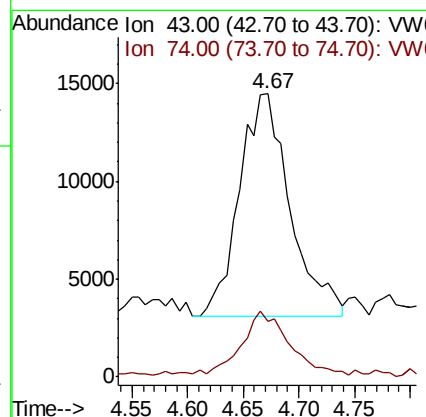
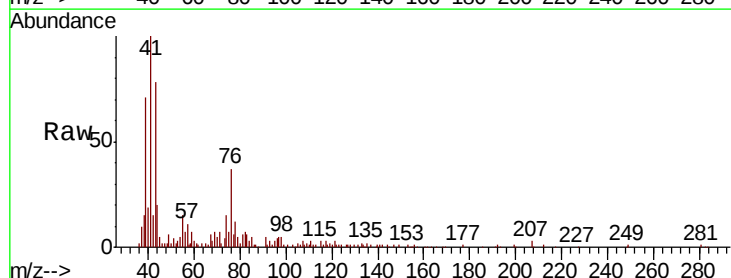
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

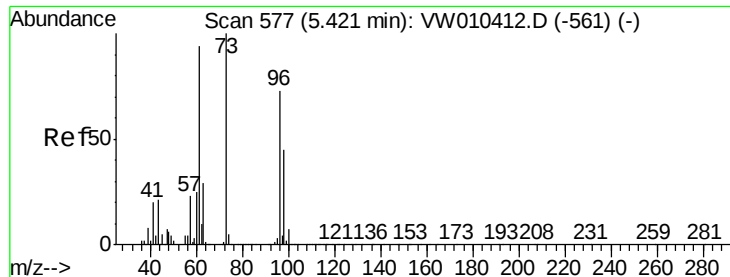
Tgt Ion: 76 Resp: 162554
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 5.000 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 43 Resp: 36320
Ion Ratio Lower Upper
43 100
74 26.1 20.7 31.1



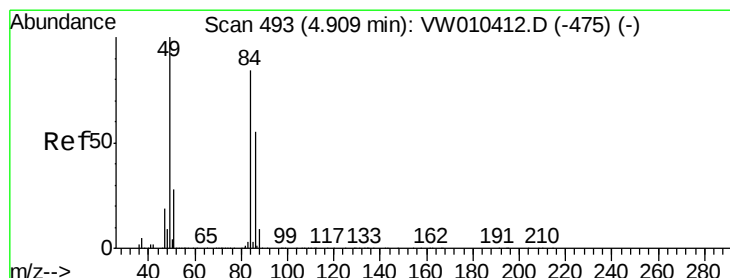
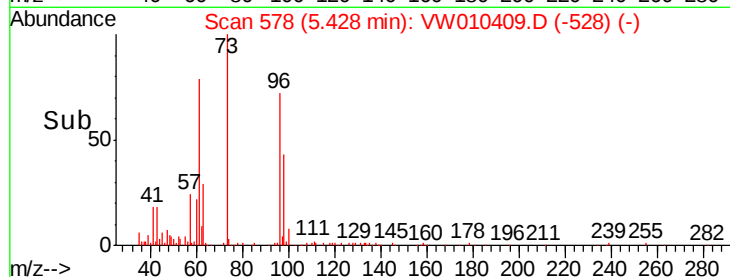
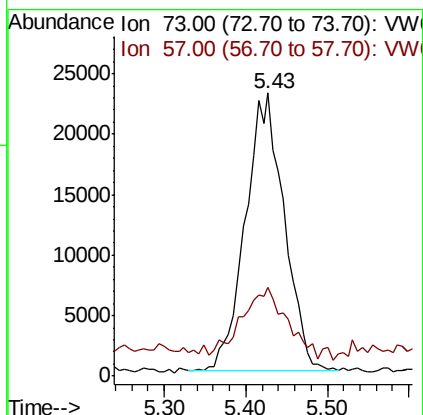
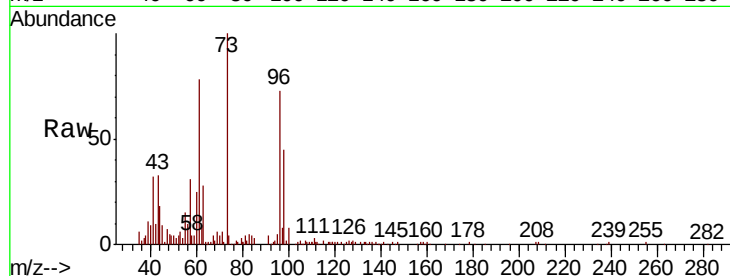


#19

Methyl tert-butyl Ether
 Concen: 5.357 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

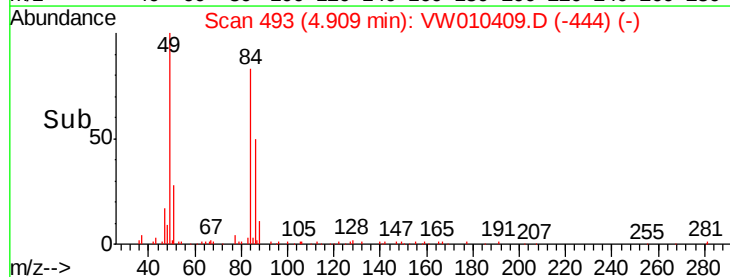
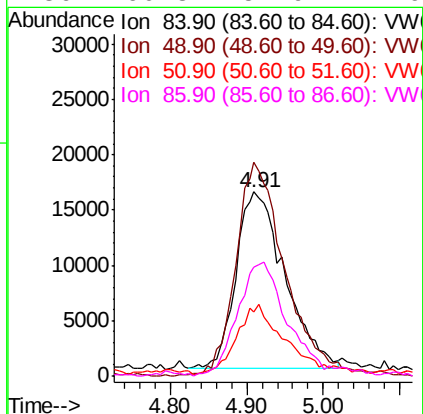
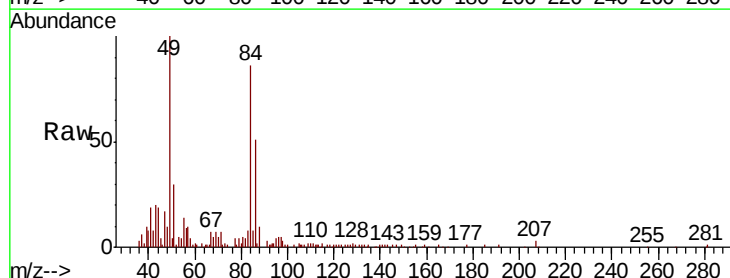
Tgt Ion: 73 Resp: 76084
 Ion Ratio Lower Upper
 73 100
 57 24.2 18.2 27.4

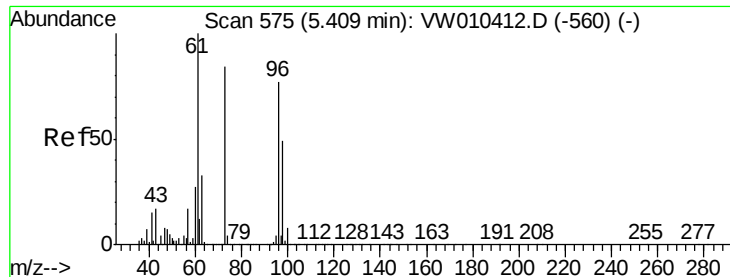


#20

Methylene Chloride
 Concen: 5.691 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Tgt Ion: 84 Resp: 70747
 Ion Ratio Lower Upper
 84 100
 49 120.4 95.0 142.4
 51 33.5 27.0 40.4
 86 60.8 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 5.009 ug/l

RT: 5.41 min Scan# 575

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

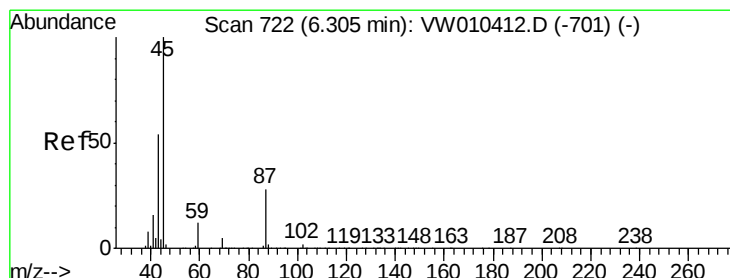
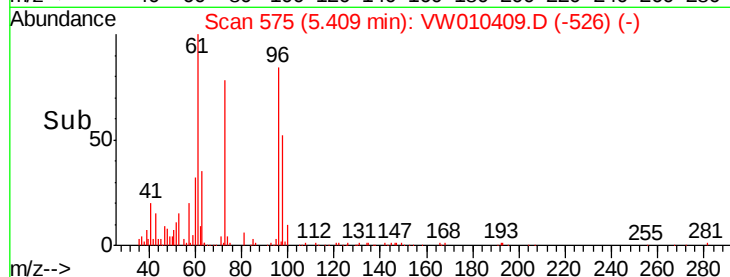
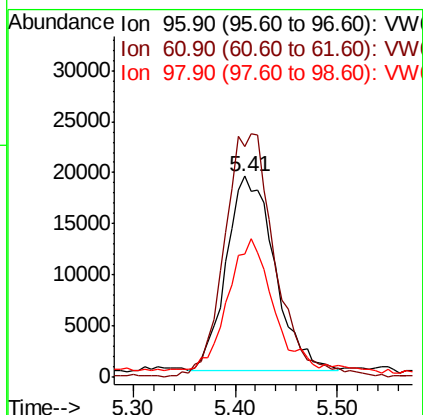
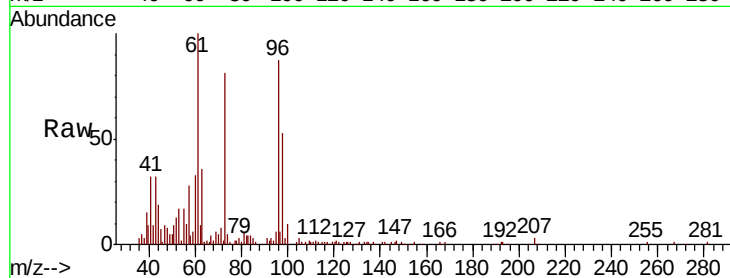
Tgt Ion: 96 Resp: 63047

Ion Ratio Lower Upper

96 100

61 116.5 103.6 155.4

98 59.5 50.4 75.6



#22

Diisopropyl ether

Concen: 4.761 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Tgt Ion: 45 Resp: 161237

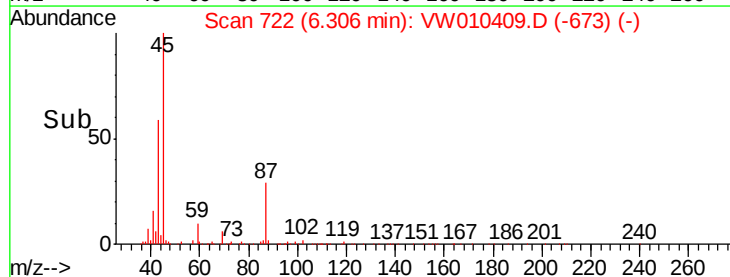
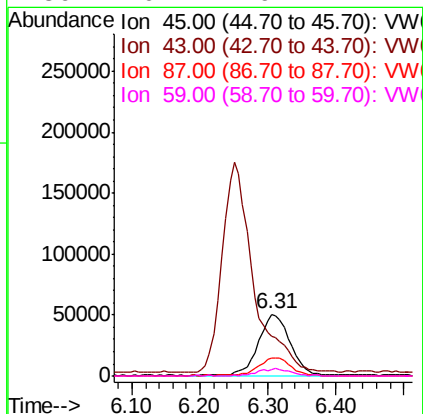
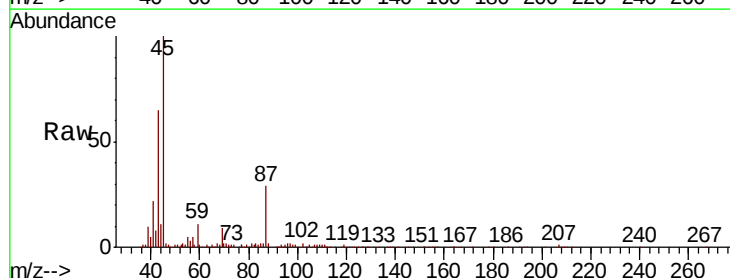
Ion Ratio Lower Upper

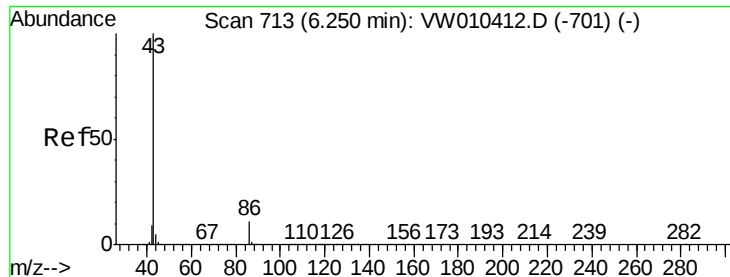
45 100

43 59.3 43.1 64.7

87 29.3 22.7 34.1

59 10.4 9.4 14.2





#23

Vinyl Acetate

Concen: 23.844 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

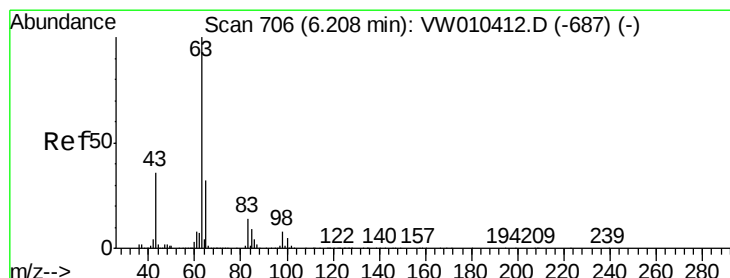
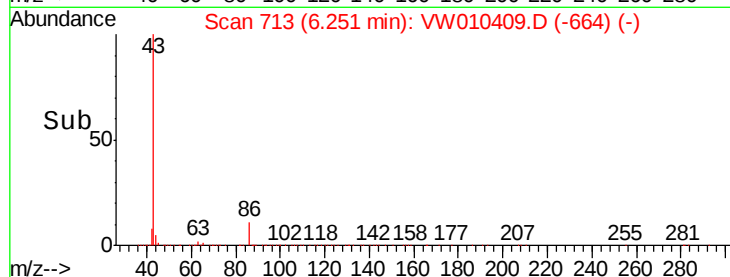
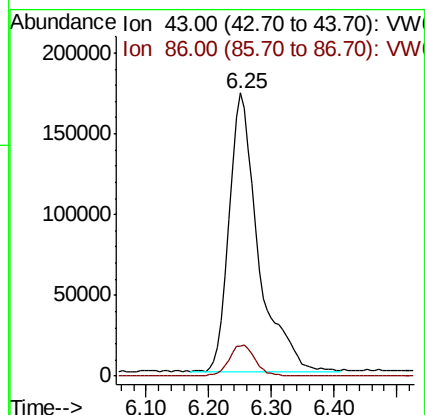
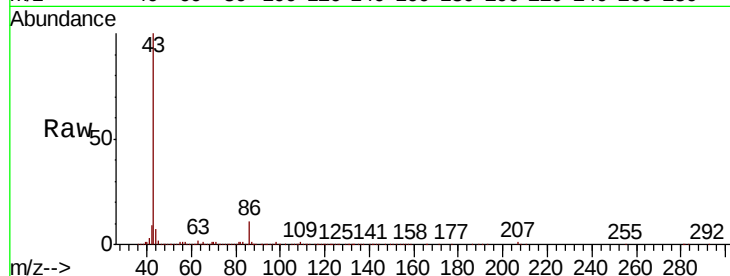
VSTDIC005

Tgt Ion: 43 Resp: 554935

Ion Ratio Lower Upper

43 100

86 10.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 4.585 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

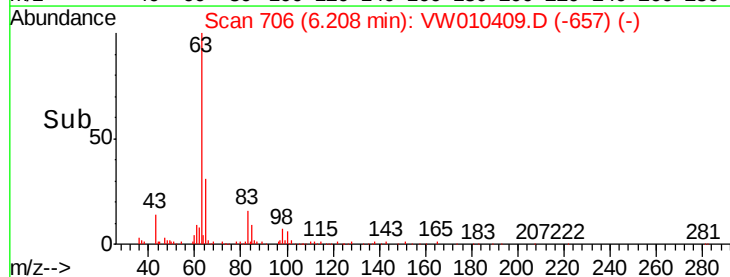
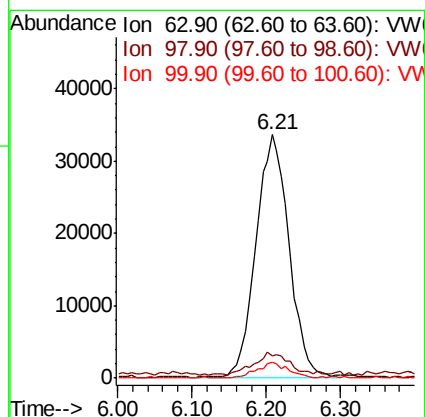
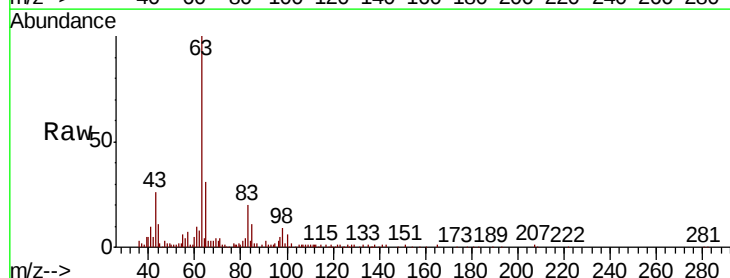
Tgt Ion: 63 Resp: 103825

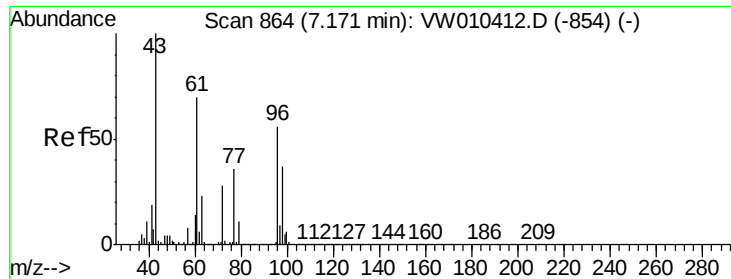
Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

100 6.3 2.4 7.2





#25

2-Butanone

Concen: 21.144 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

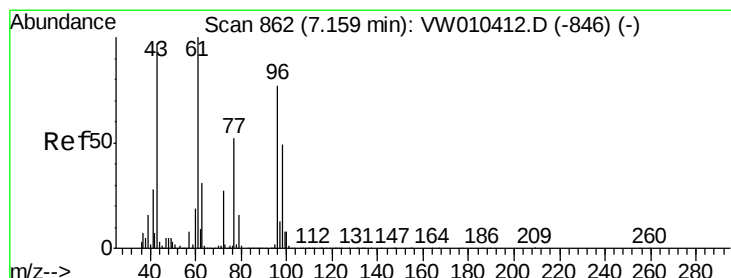
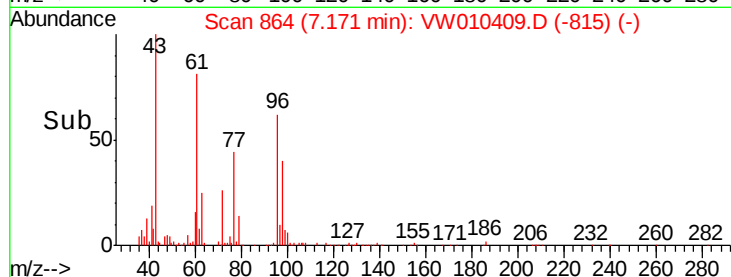
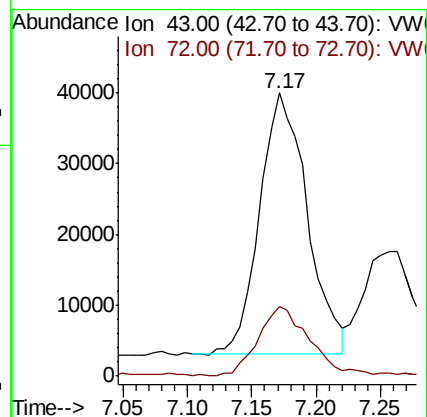
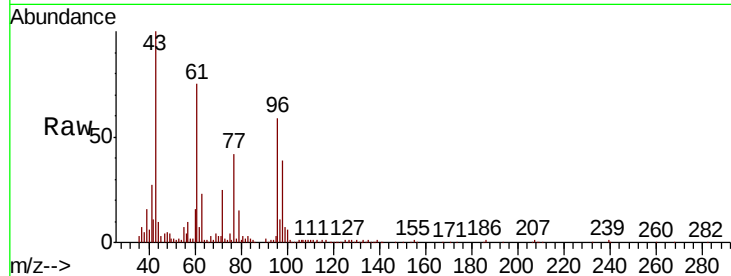
VSTDIC005

Tgt Ion: 43 Resp: 94748

Ion Ratio Lower Upper

43 100

72 26.3 22.1 33.1



#26

2,2-Dichloropropane

Concen: 4.888 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010409.D

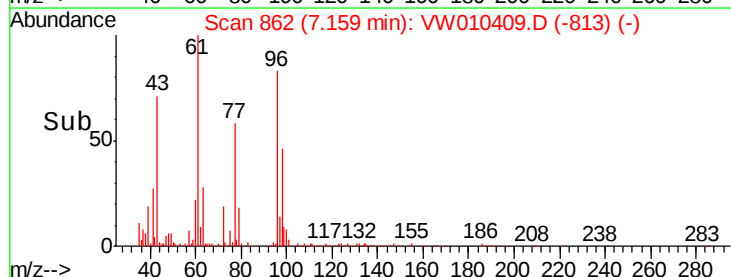
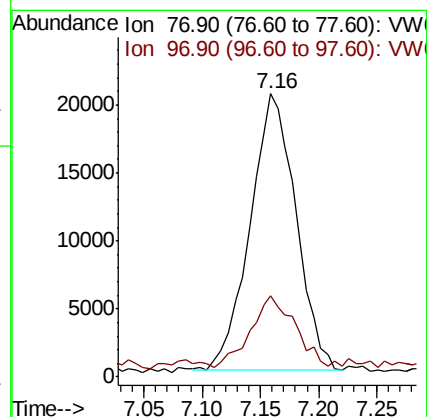
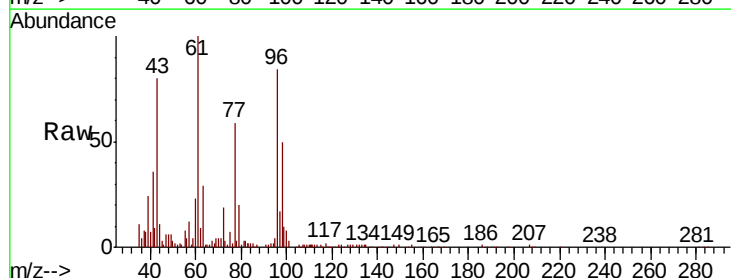
Acq: 16 May 2019 18:43

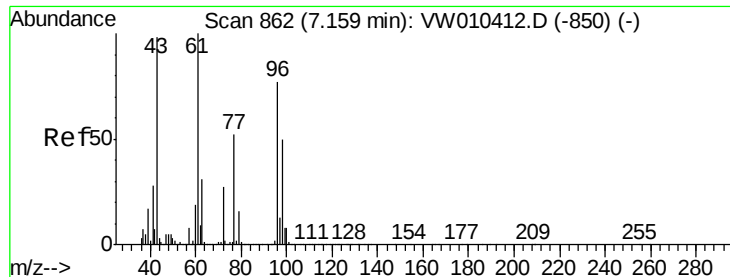
Tgt Ion: 77 Resp: 55042

Ion Ratio Lower Upper

77 100

97 25.1 12.7 38.0



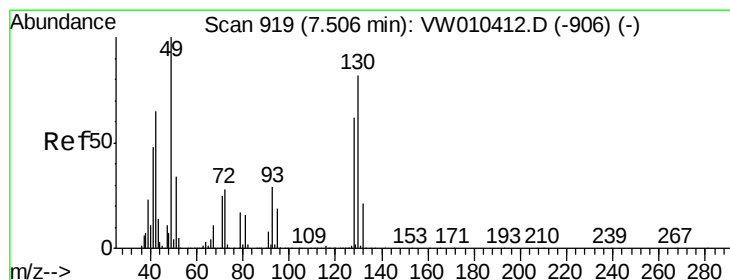
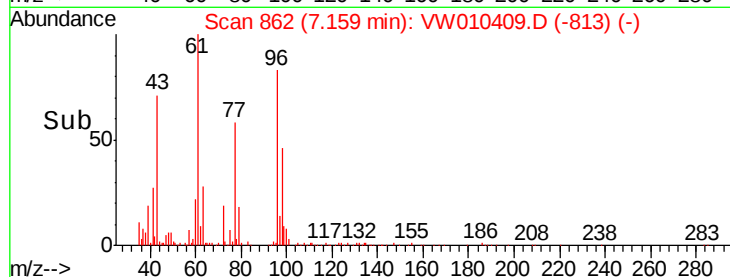
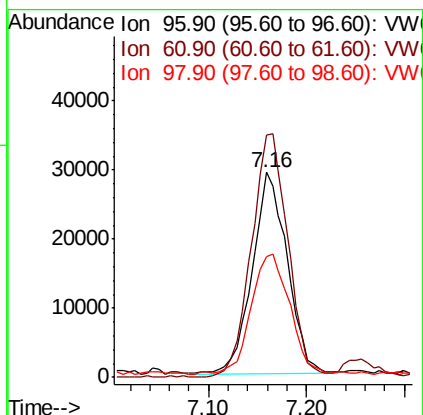
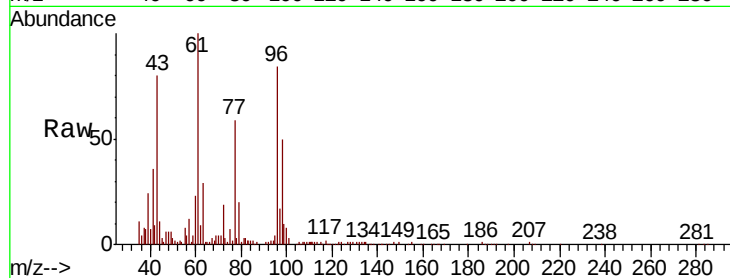


#27

cis-1,2-Dichloroethene
Concen: 5.460 ug/l
RT: 7.16 min Scan# 862
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

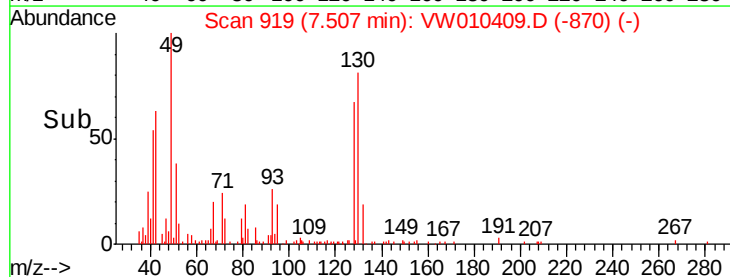
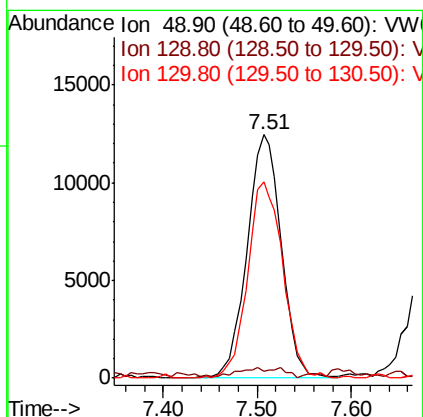
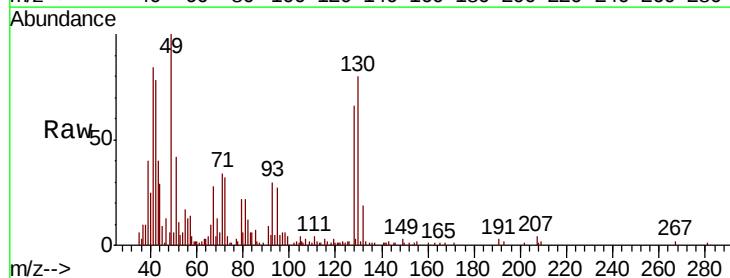
Tgt Ion: 96 Resp: 71952
Ion Ratio Lower Upper
96 100
61 126.3 0.0 257.8
98 66.1 0.0 128.4

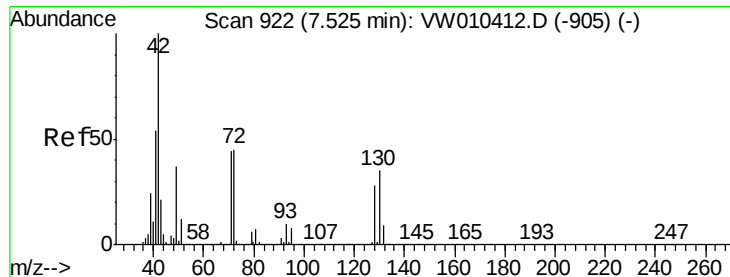


#28

Bromochloromethane
Concen: 3.672 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 49 Resp: 31775
Ion Ratio Lower Upper
49 100
129 2.9 0.0 4.8
130 82.7 67.0 100.4





#29

Tetrahydrofuran

Concen: 21.823 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

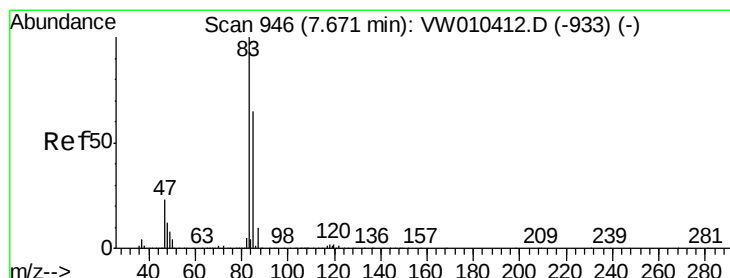
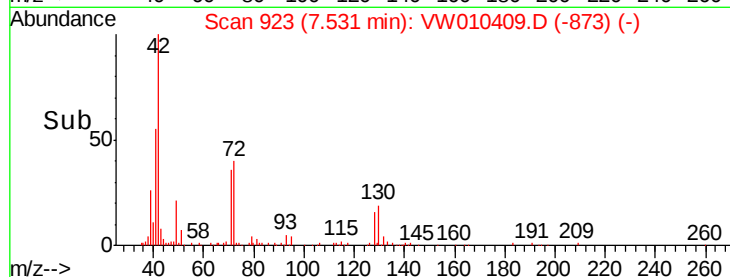
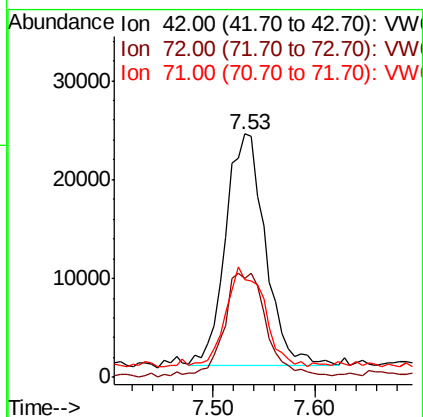
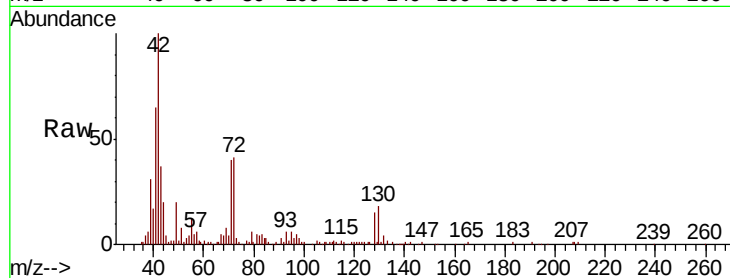
Tgt Ion: 42 Resp: 63556

Ion Ratio Lower Upper

42 100

72 46.2 35.6 53.4

71 40.6 33.7 50.5



#30

Chloroform

Concen: 5.050 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010409.D

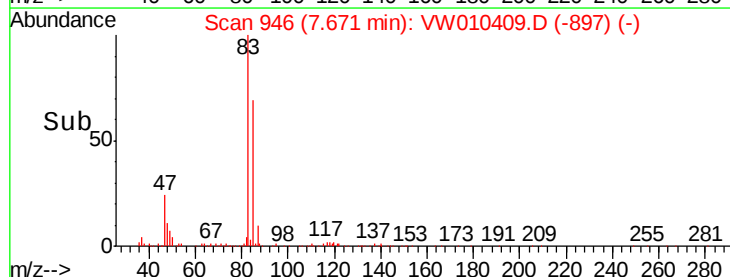
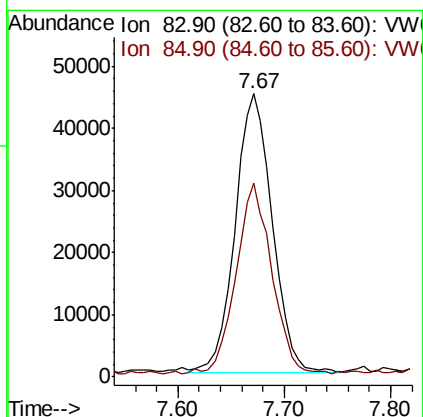
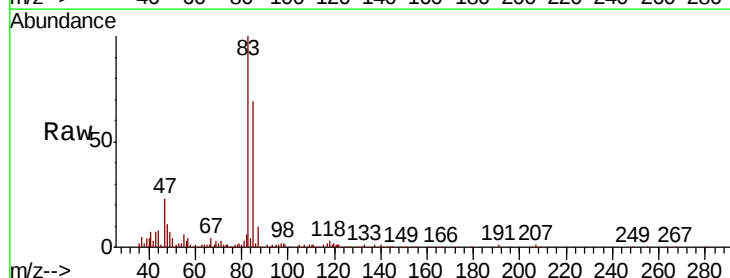
Acq: 16 May 2019 18:43

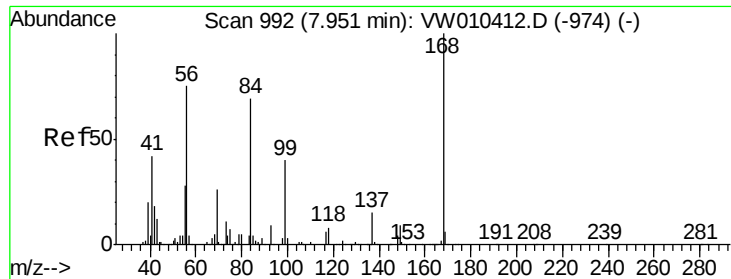
Tgt Ion: 83 Resp: 108822

Ion Ratio Lower Upper

83 100

85 68.4 52.0 78.0

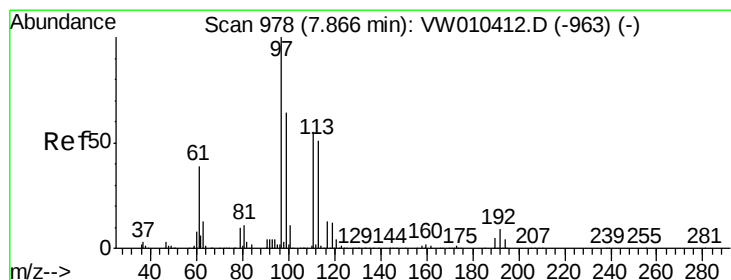
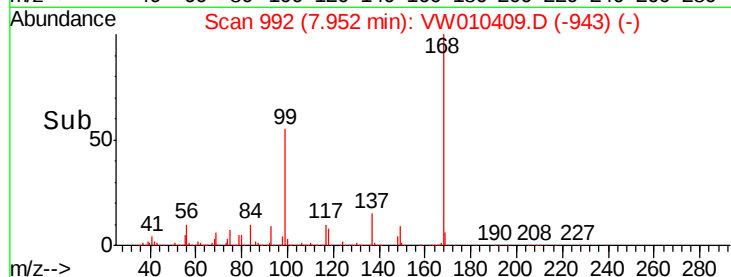
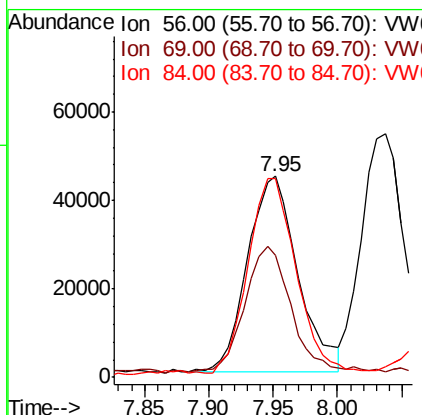
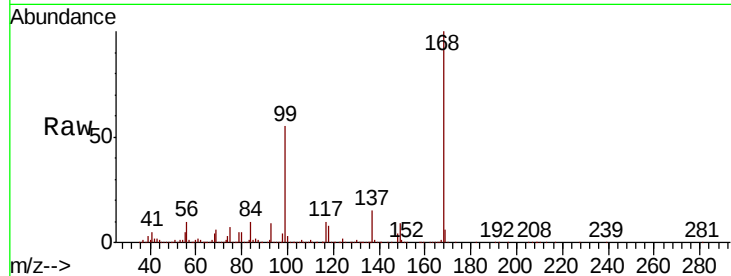




#31
Cyclohexane
Concen: 5.297 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

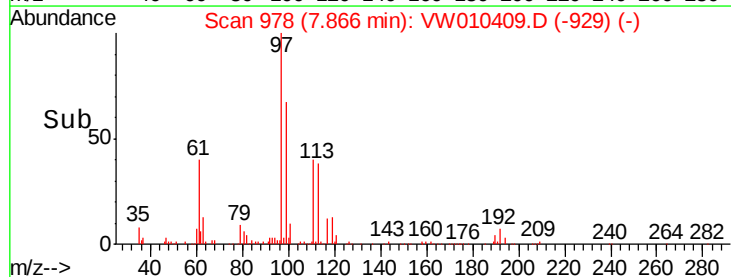
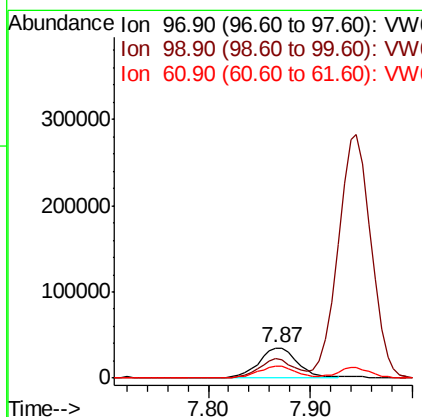
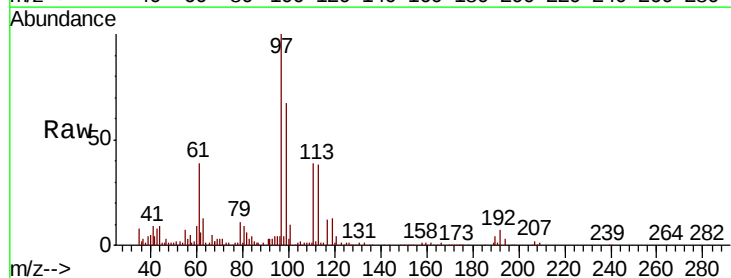
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

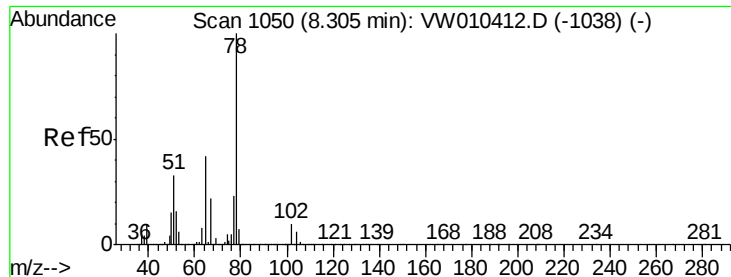
Tgt Ion: 56 Resp: 121097
Ion Ratio Lower Upper
56 100
69 59.3 27.9 41.9#
84 99.5 73.9 110.9



#32
1,1,1-Trichloroethane
Concen: 5.255 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 97 Resp: 87708
Ion Ratio Lower Upper
97 100
99 61.1 50.6 76.0
61 40.7 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 4.198 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

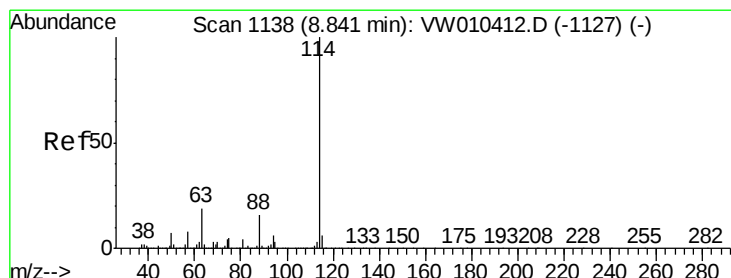
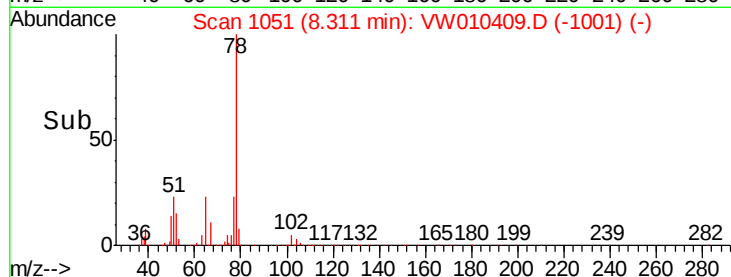
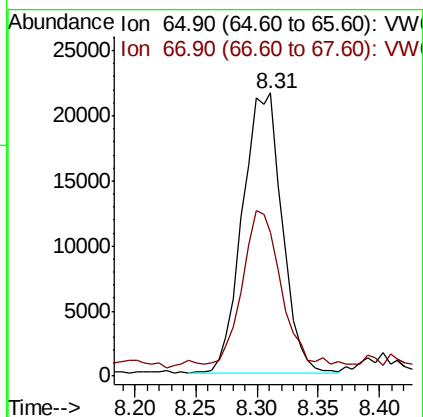
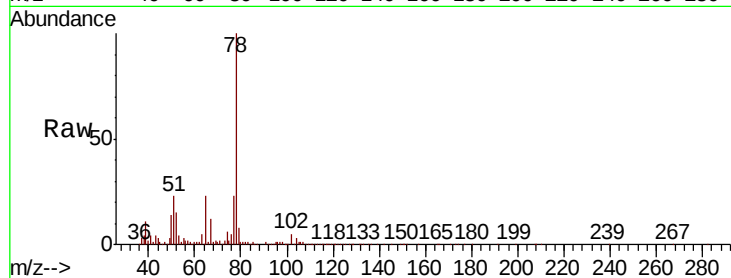
VSTDIC005

Tgt Ion: 65 Resp: 48599

Ion Ratio Lower Upper

65 100

67 55.2 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: VW010409.D

Acq: 16 May 2019 18:43

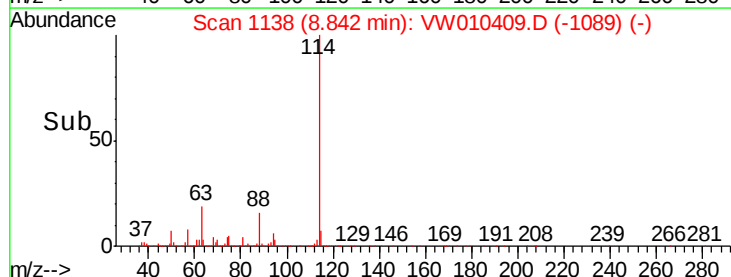
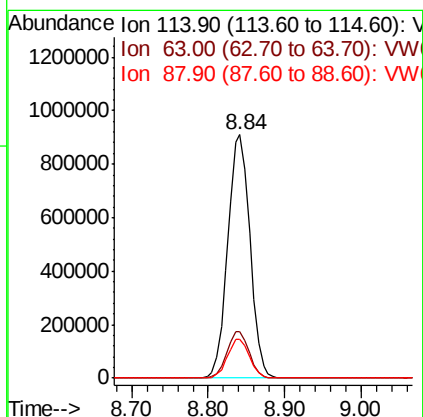
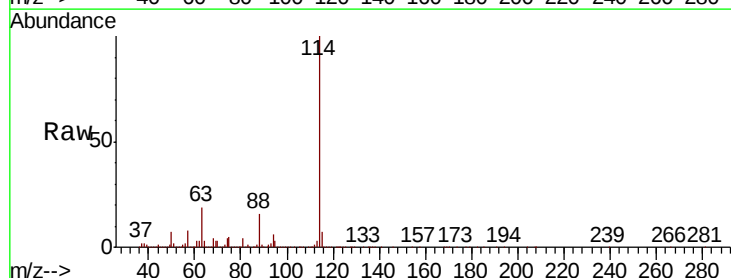
Tgt Ion: 114 Resp: 1821422

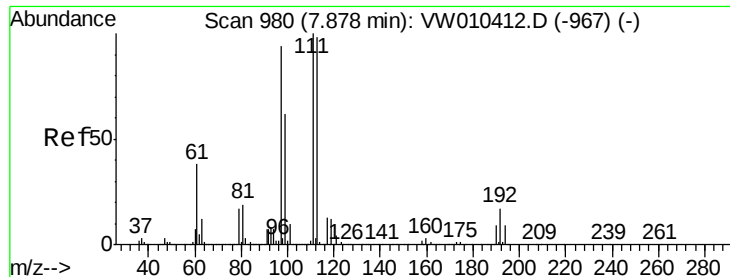
Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.6

88 15.9 0.0 32.0

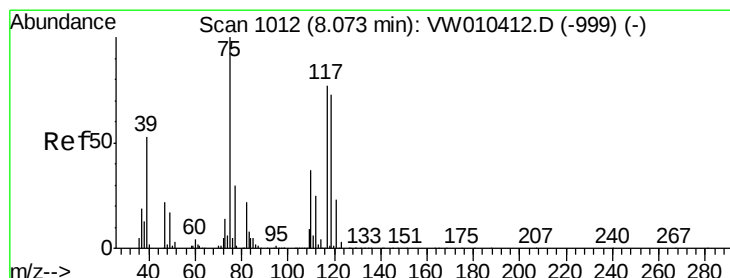
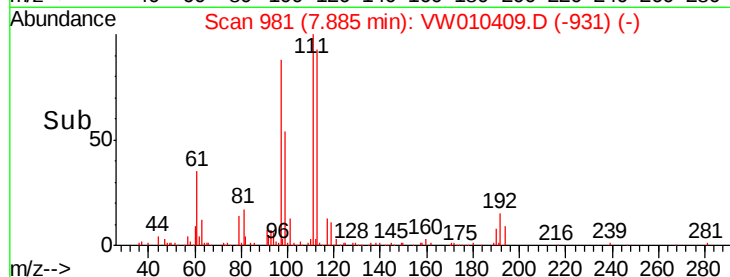
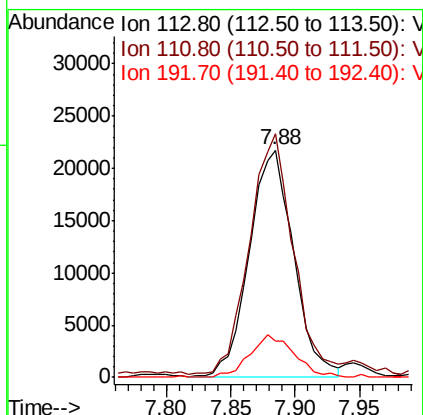
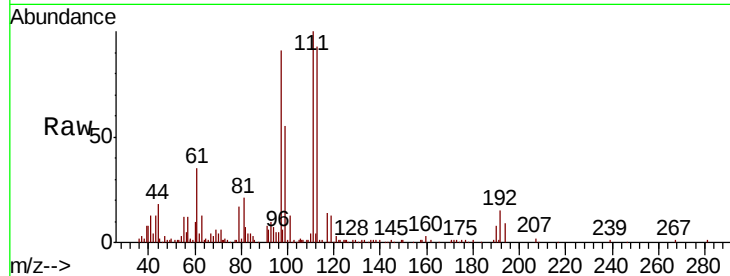




#35
 Dibromofluoromethane
 Concen: 4.797 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

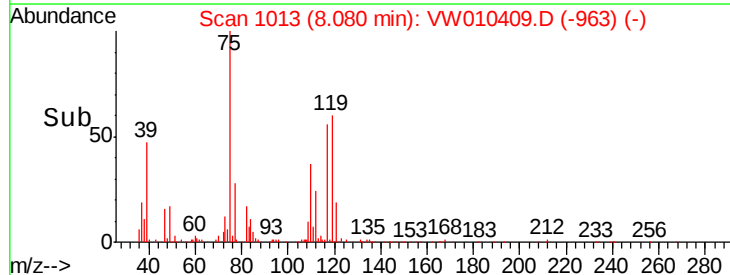
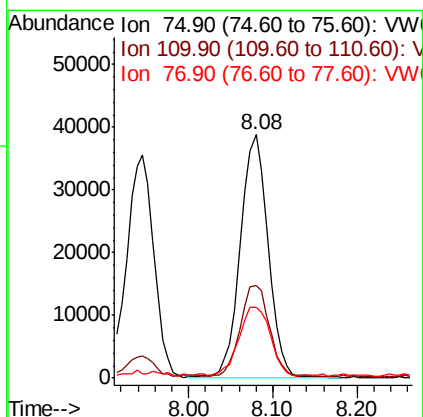
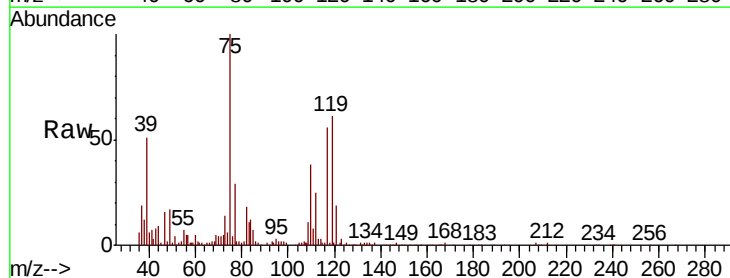
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

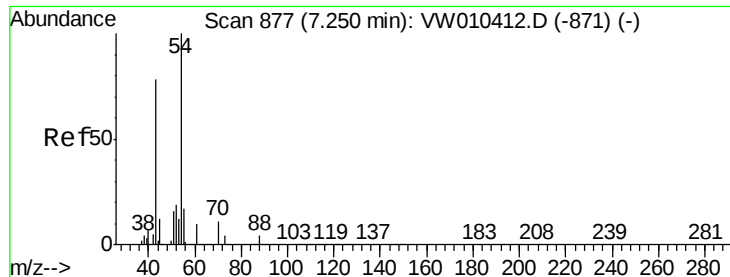
Tgt Ion: 113 Resp: 51600
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.2 123.4
 192 18.9 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Tgt Ion: 75 Resp: 86198
 Ion Ratio Lower Upper
 75 100
 110 39.0 18.9 56.7
 77 32.2 24.6 37.0

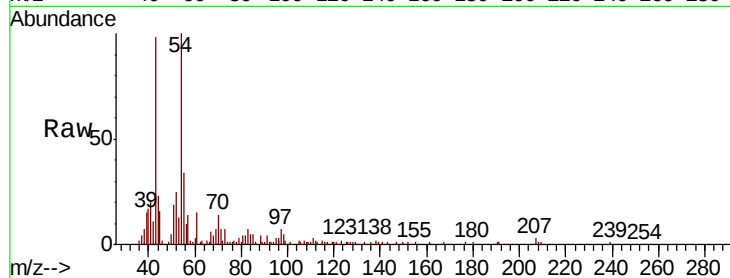




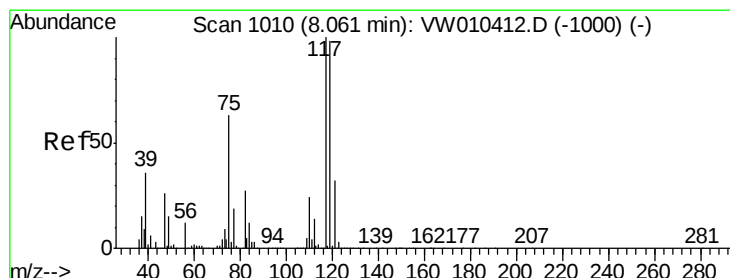
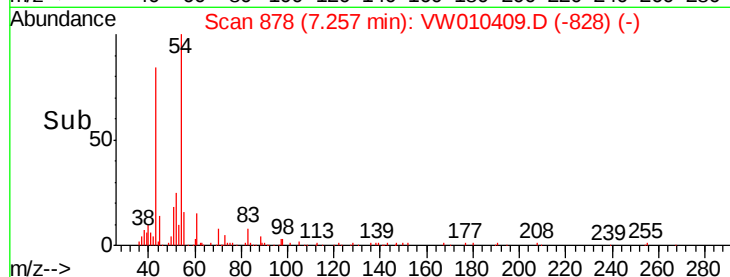
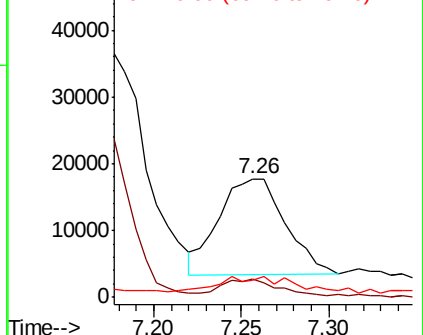
#37
Ethyl Acetate
Concen: 3.724 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 37882
Ion Ratio Lower Upper
43 100
61 18.4 11.0 16.4#
70 8.2 9.1 13.7#

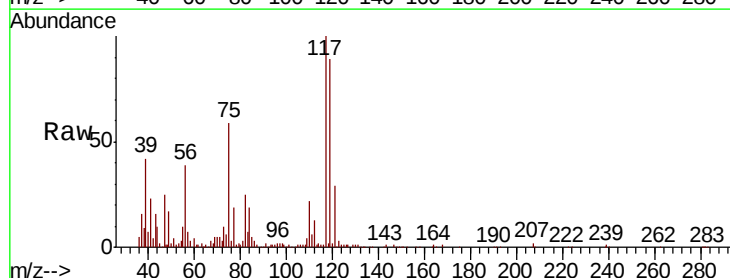


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

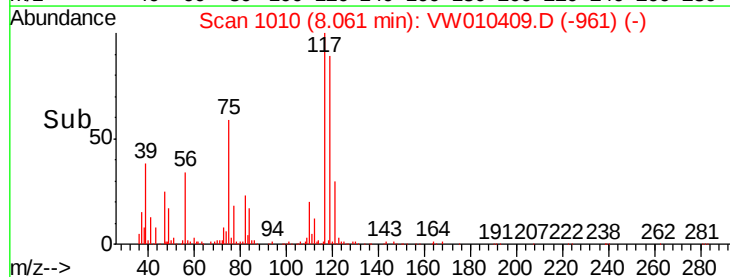
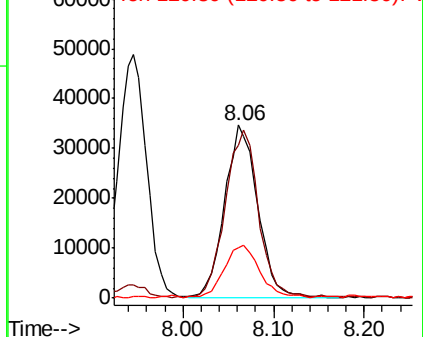


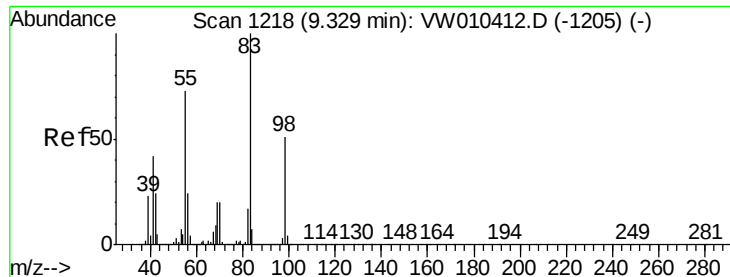
#38
Carbon Tetrachloride
Concen: 5.179 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 117 Resp: 87201
Ion Ratio Lower Upper
117 100
119 88.3 78.2 117.4
121 29.0 25.3 37.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

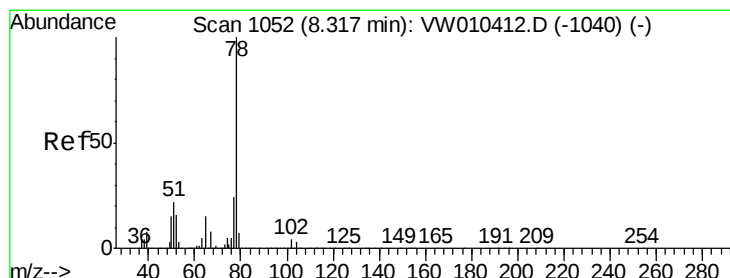
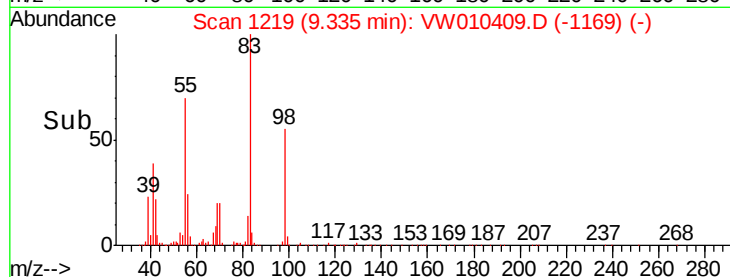
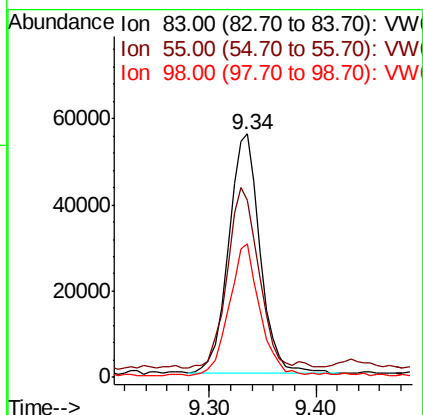
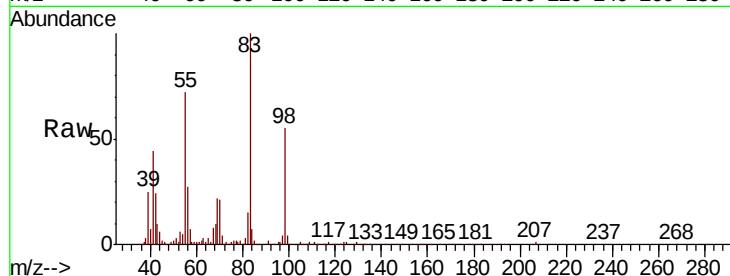




#39
Methylcyclohexane
Concen: 4.873 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

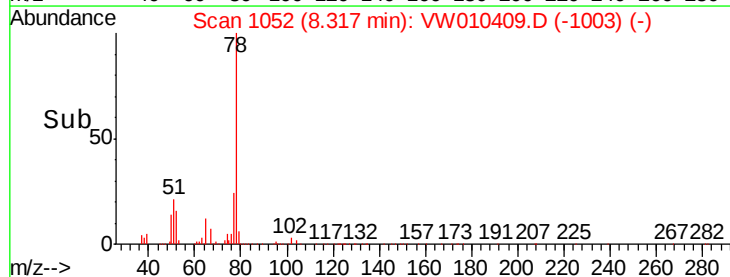
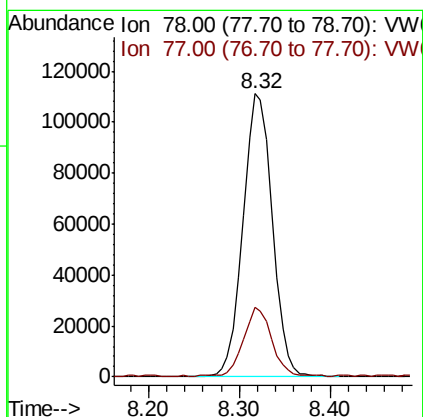
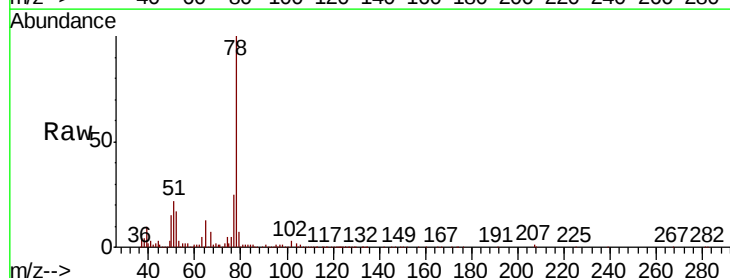
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

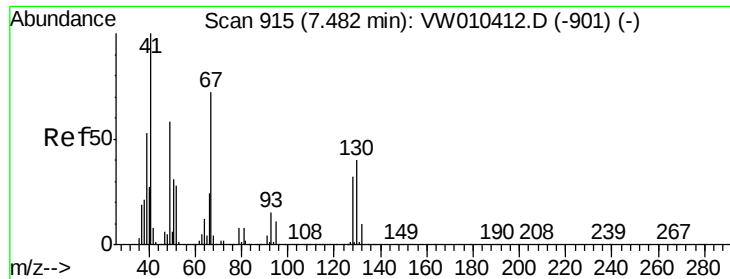
Tgt Ion: 83 Resp: 114373
Ion Ratio Lower Upper
83 100
55 69.7 58.7 88.1
98 55.2 40.7 61.1



#40
Benzene
Concen: 4.694 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 78 Resp: 248076
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8





#41

Methacrylonitrile

Concen: 4.042 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 23108

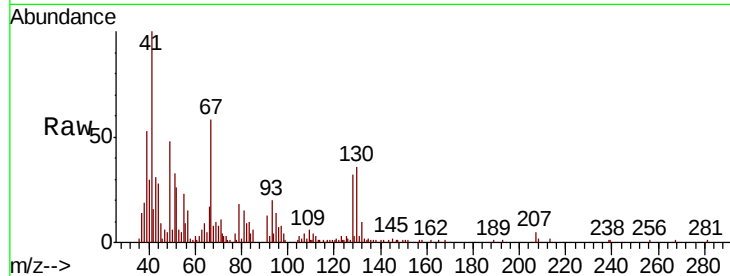
Ion Ratio Lower Upper

41 100

39 63.0 42.7 64.1

67 78.2 58.8 88.2

52 37.4 23.2 34.8#



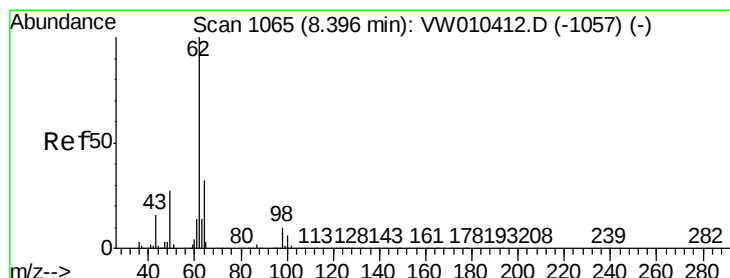
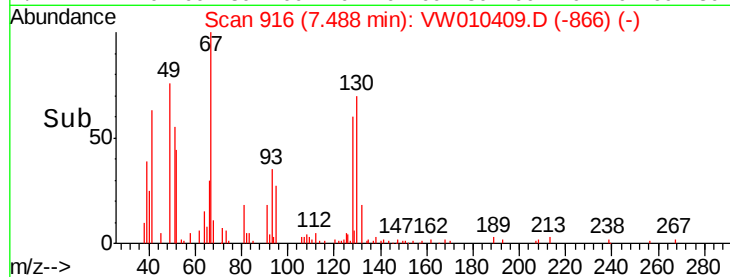
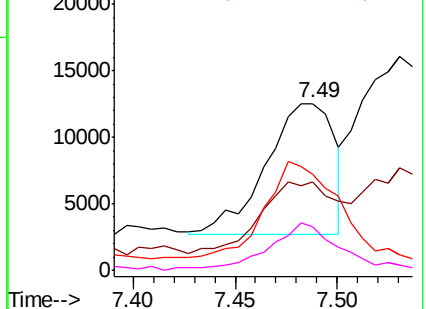
Abundance

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: 4.598 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010409.D

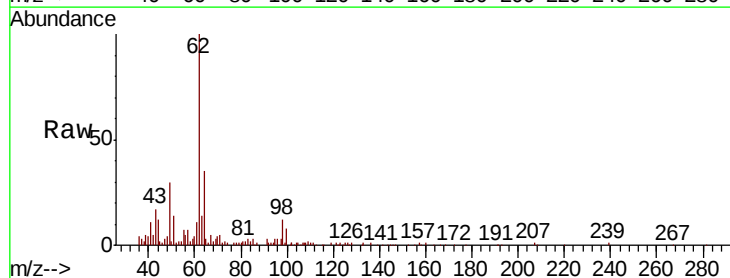
Acq: 16 May 2019 18:43

Tgt Ion: 62 Resp: 69995

Ion Ratio Lower Upper

62 100

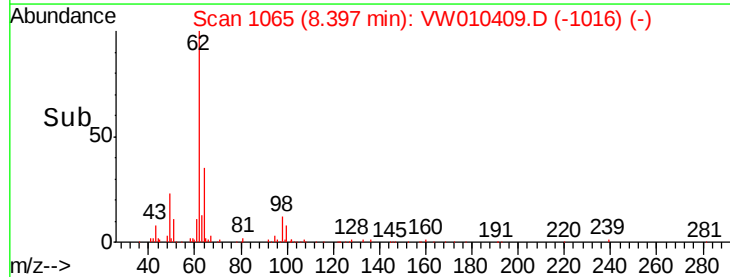
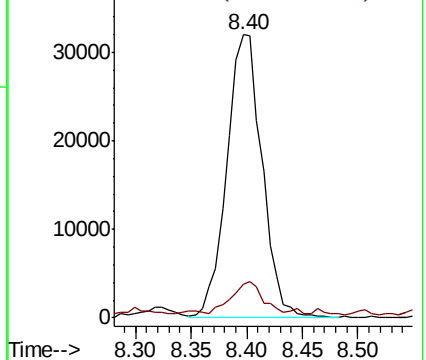
98 10.4 0.0 20.4

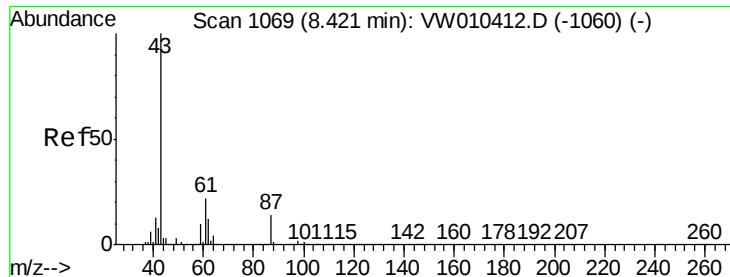


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.861 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

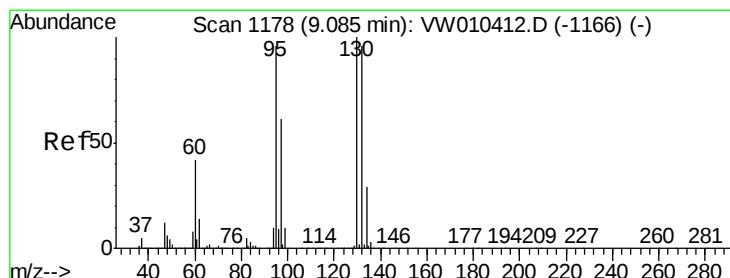
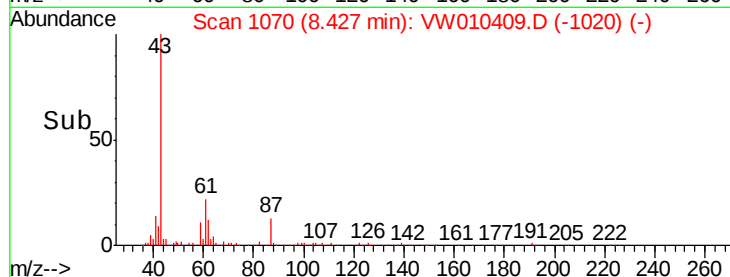
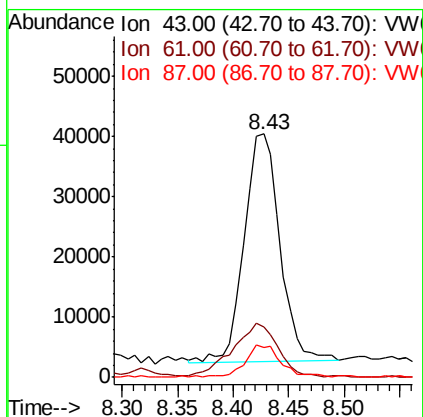
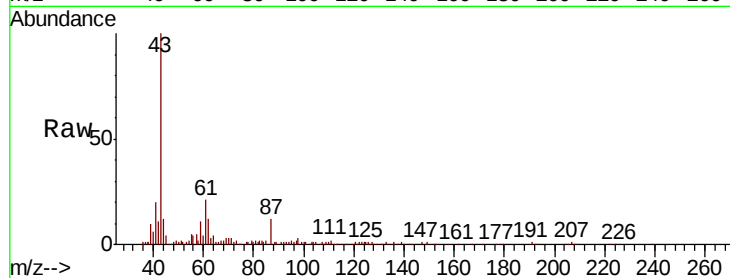
Tgt Ion: 43 Resp: 84461

Ion Ratio Lower Upper

43 100

61 30.1 23.3 34.9

87 14.2 11.6 17.4



#44

Trichloroethene

Concen: 5.357 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010409.D

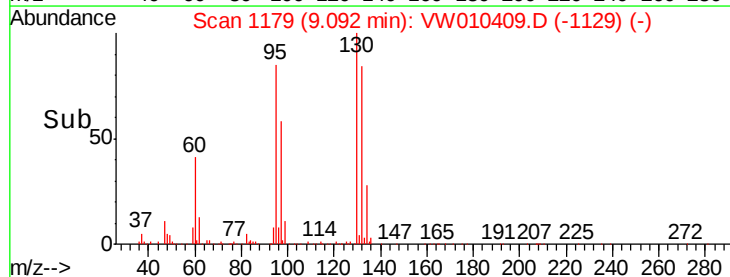
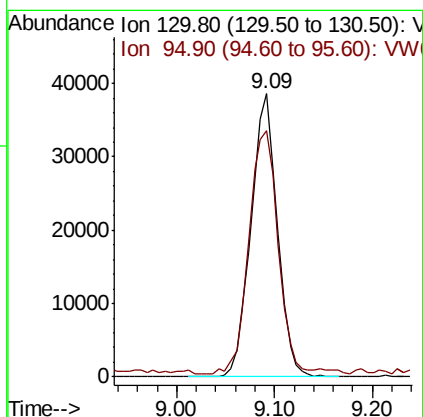
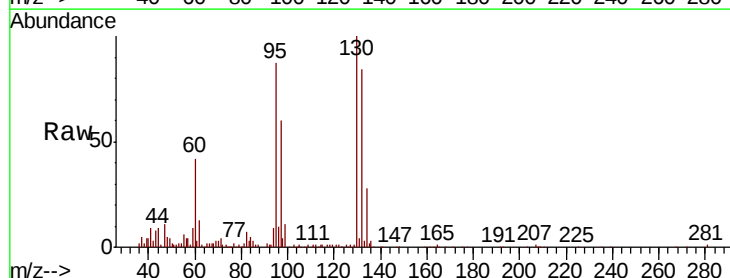
Acq: 16 May 2019 18:43

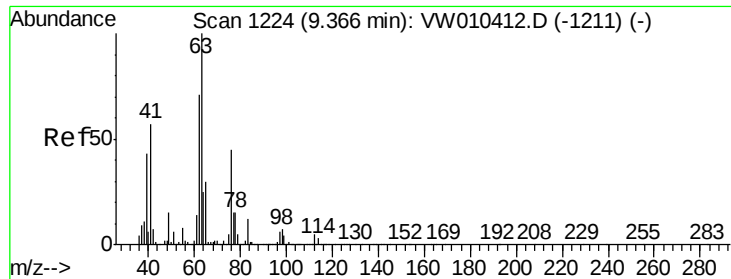
Tgt Ion: 130 Resp: 72327

Ion Ratio Lower Upper

130 100

95 84.4 0.0 192.4





#45

1,2-Dichloropropane

Concen: 4.595 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

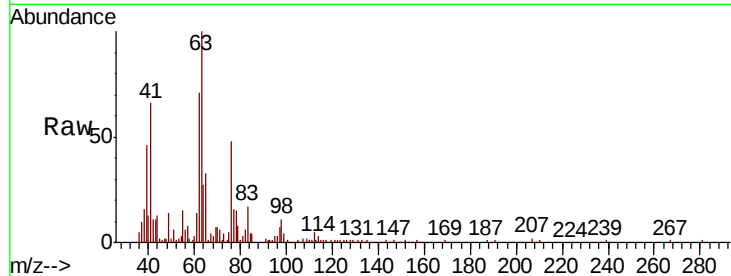
VSTDIC005

Tgt Ion: 63 Resp: 60478

Ion Ratio Lower Upper

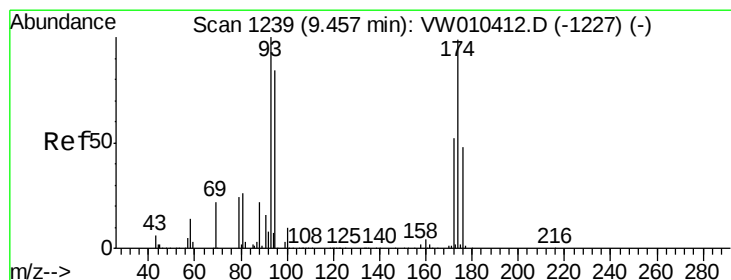
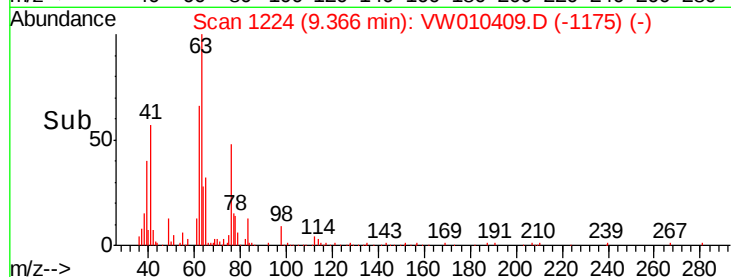
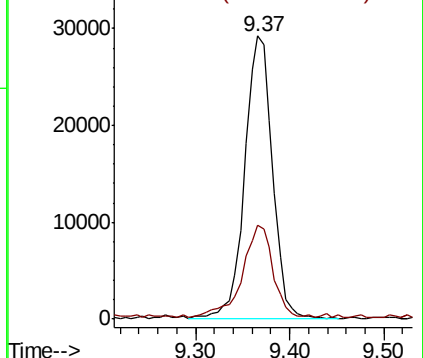
63 100

65 32.8 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 5.037 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

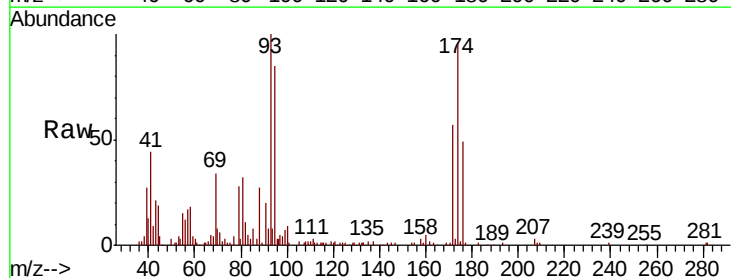
Tgt Ion: 93 Resp: 34926

Ion Ratio Lower Upper

93 100

95 85.8 66.6 100.0

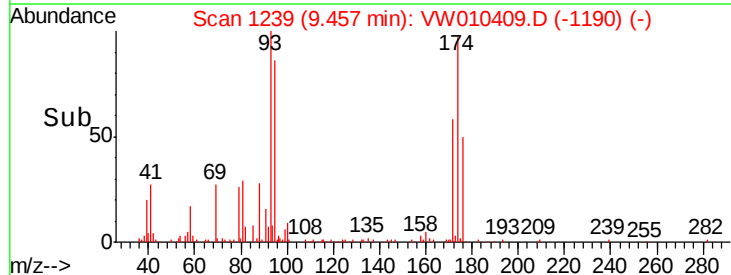
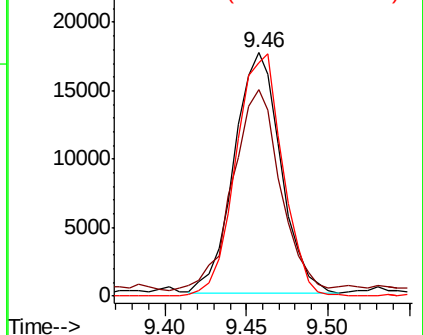
174 101.0 79.8 119.6

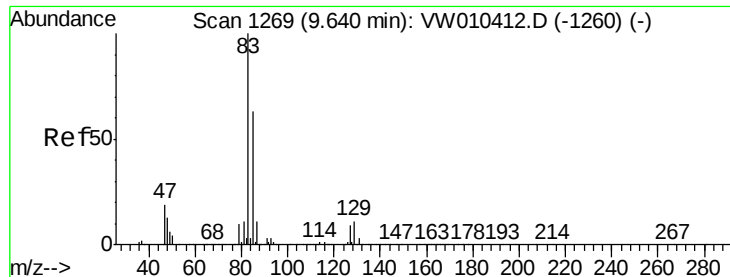


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.881 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

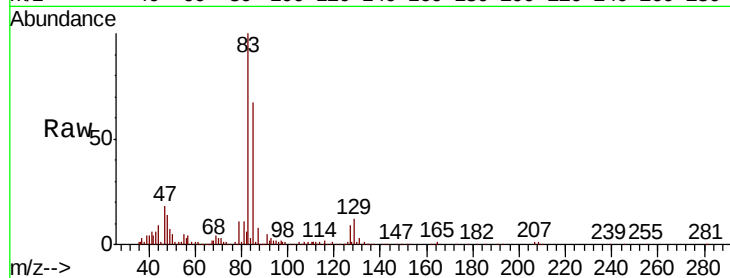
Tgt Ion: 83 Resp: 81551

Ion Ratio Lower Upper

83 100

85 66.2 50.2 75.2

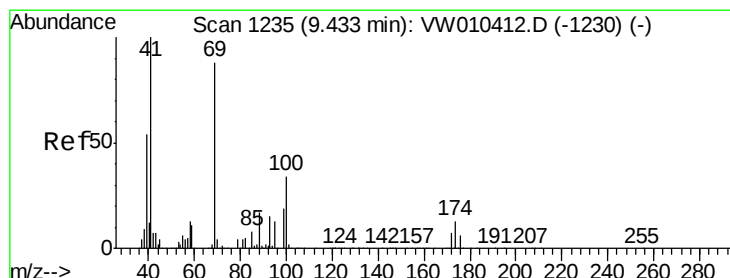
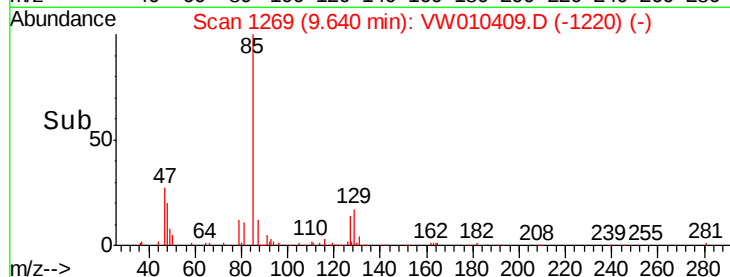
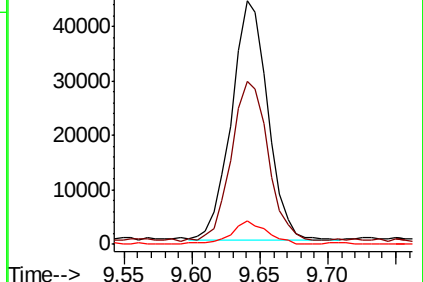
127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 5.041 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

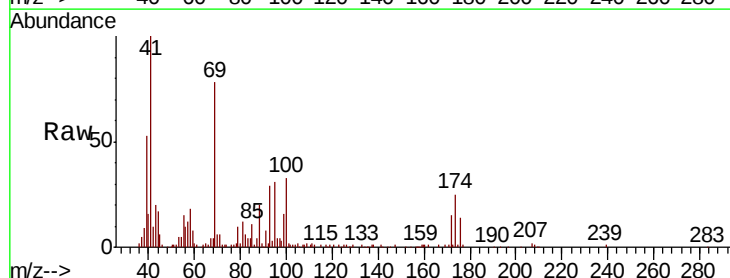
Tgt Ion: 41 Resp: 40799

Ion Ratio Lower Upper

41 100

69 85.6 72.6 108.8

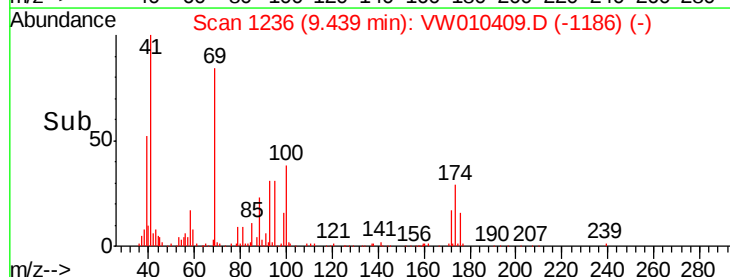
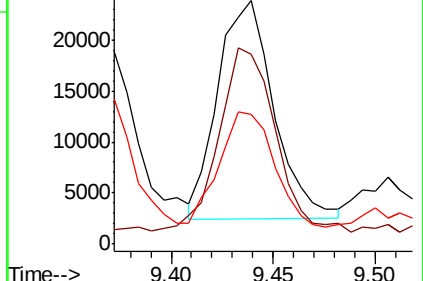
39 51.2 48.0 72.0

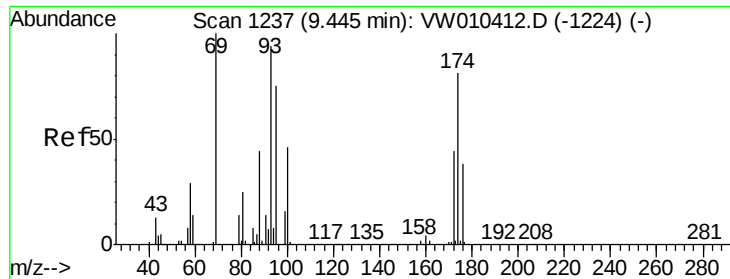


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 105.021 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

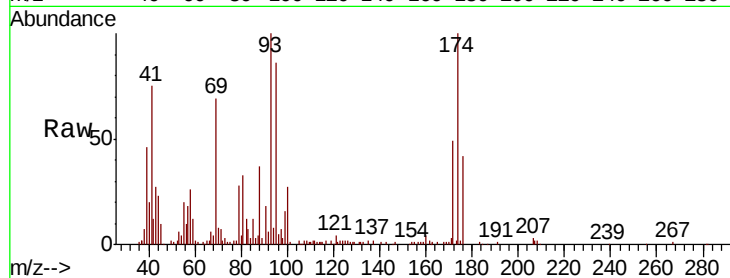
Tgt Ion: 88 Resp: 12631

Ion Ratio Lower Upper

88 100

43 21.6 24.6 36.8#

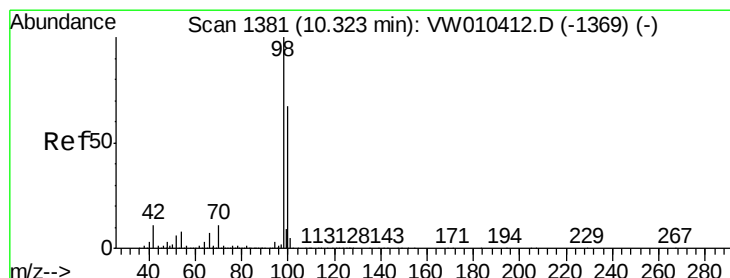
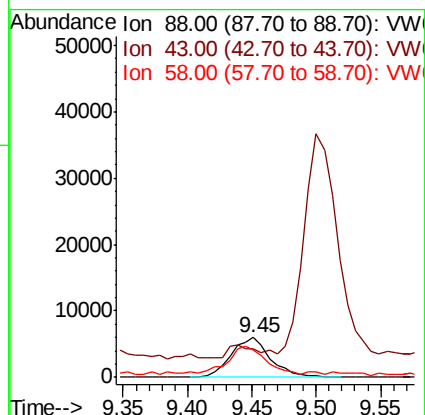
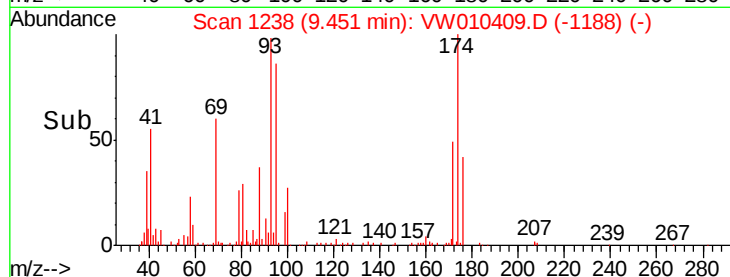
58 74.5 56.2 84.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 4.268 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010409.D

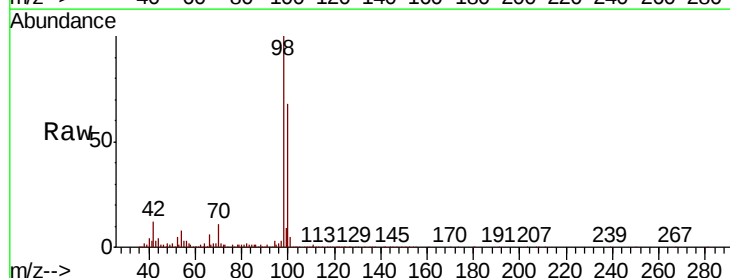
Acq: 16 May 2019 18:43

Tgt Ion: 98 Resp: 184378

Ion Ratio Lower Upper

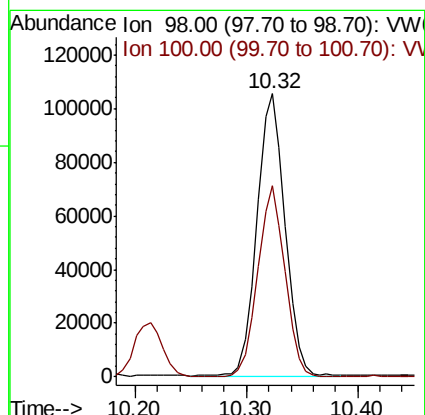
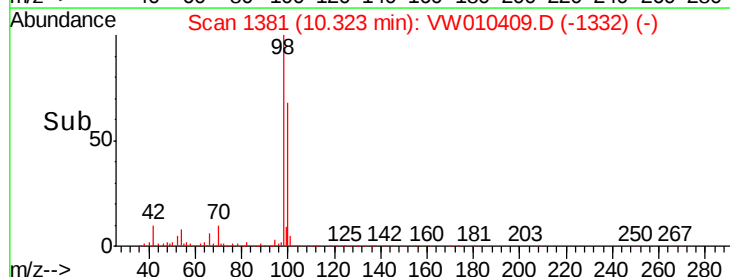
98 100

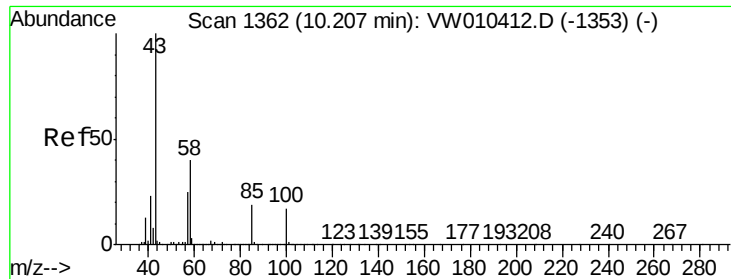
100 65.9 53.6 80.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

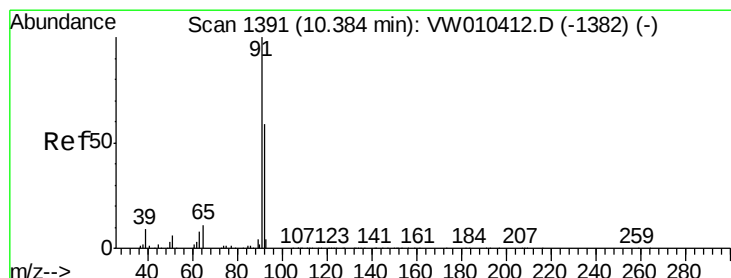
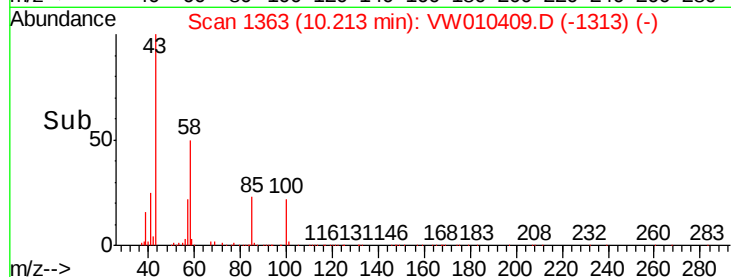
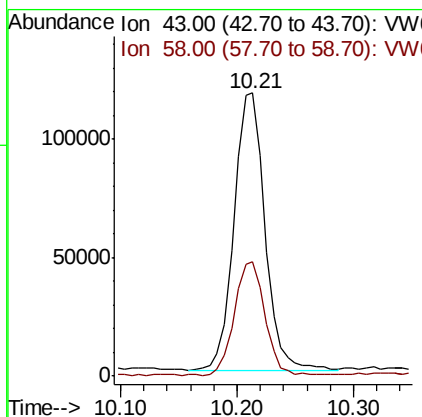
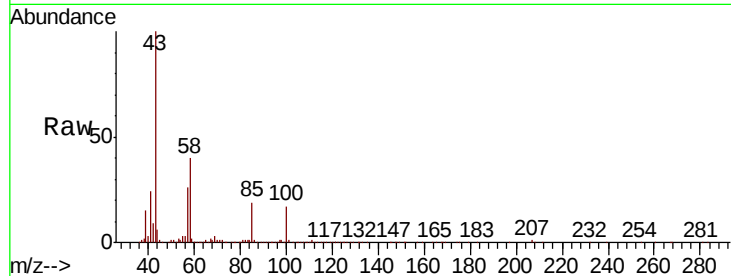




#51
4-Methyl-2-Pentanone
Concen: 22.298 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

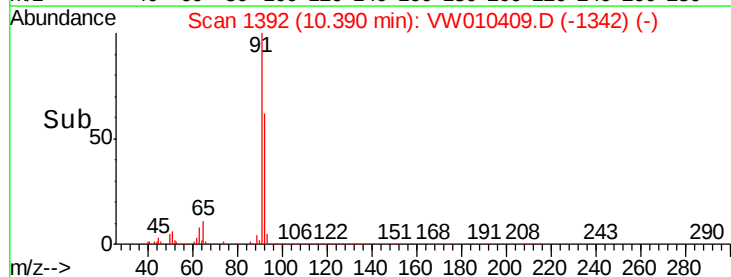
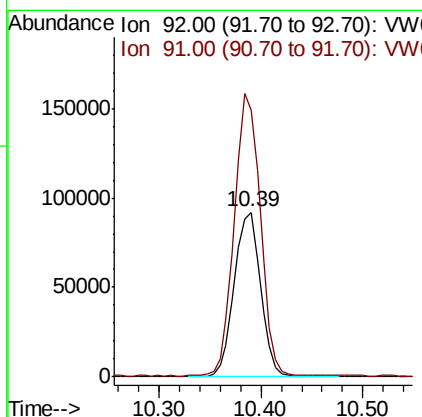
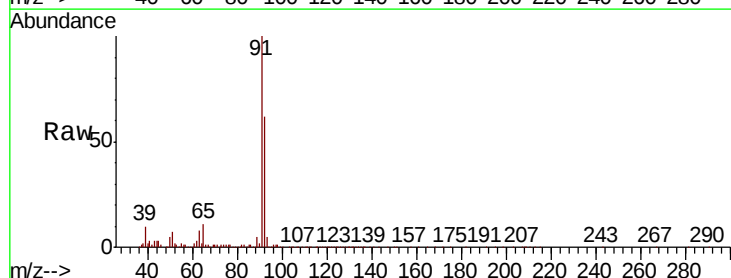
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

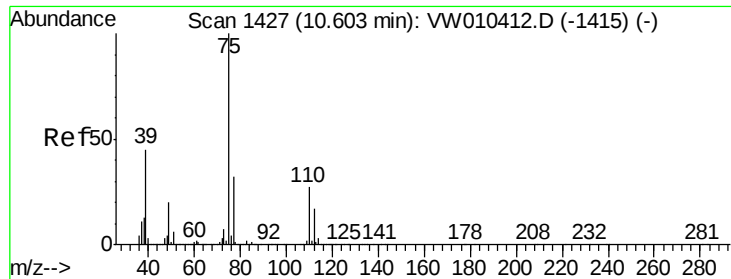
Tgt Ion: 43 Resp: 217220
Ion Ratio Lower Upper
43 100
58 40.0 32.1 48.1



#52
Toluene
Concen: 4.992 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion: 92 Resp: 163092
Ion Ratio Lower Upper
92 100
91 170.4 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 5.270 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

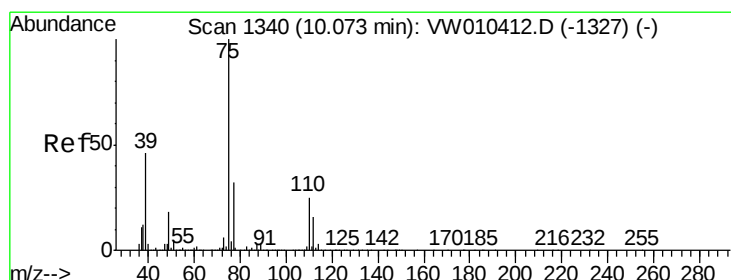
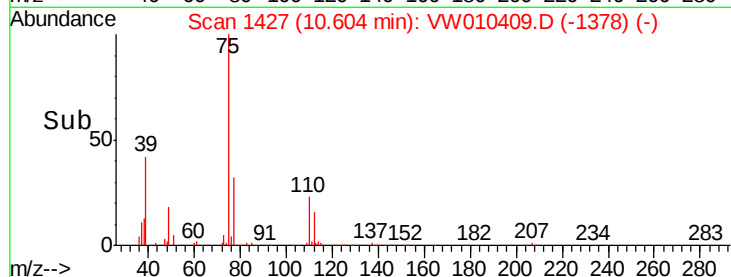
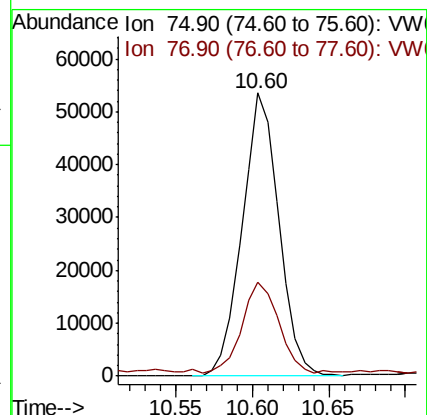
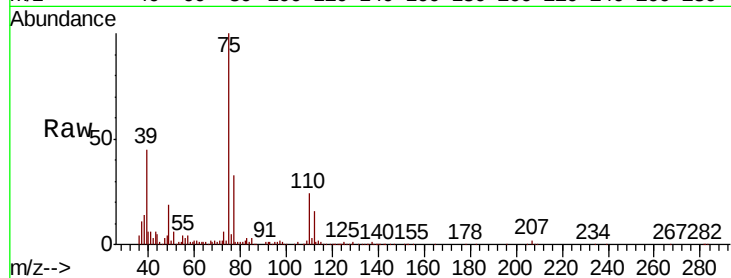
VSTDIC005

Tgt Ion: 75 Resp: 89203

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 5.107 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

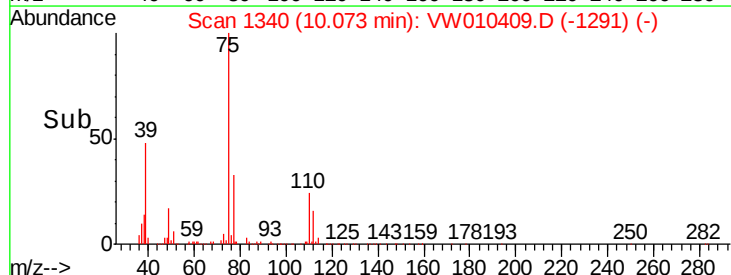
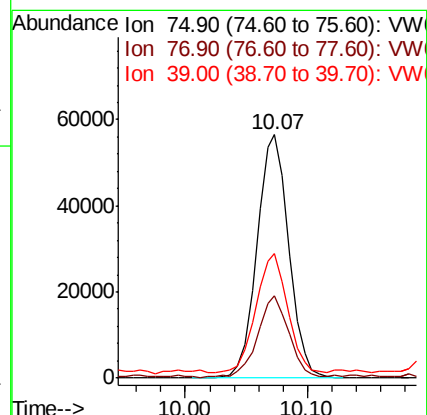
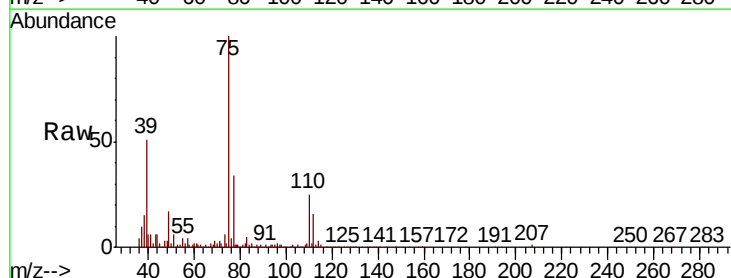
Tgt Ion: 75 Resp: 101666

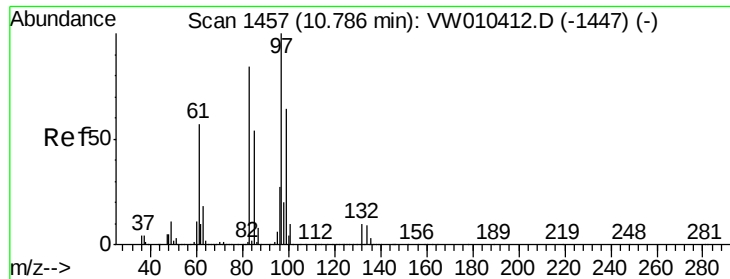
Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3

39 48.4 37.1 55.7





#55

1,1,2-Trichloroethane

Concen: 5.021 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 49702

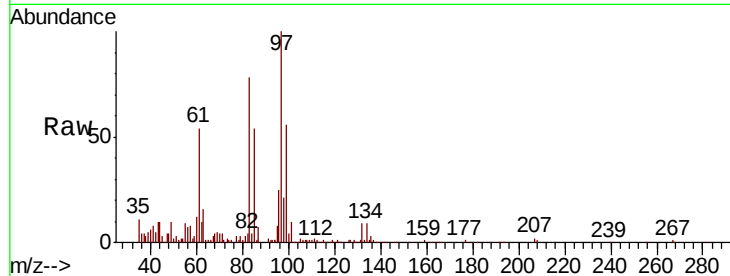
Ion Ratio Lower Upper

97 100

83 76.8 67.2 100.8

85 51.4 43.1 64.7

99 56.4 51.3 76.9

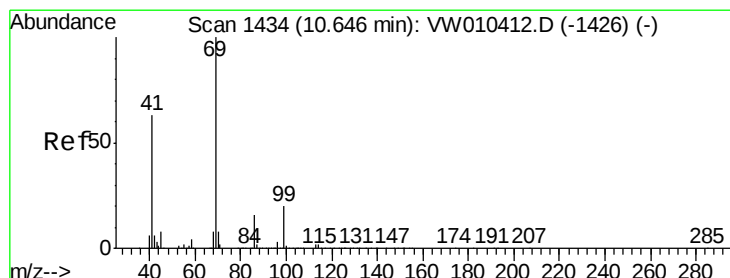
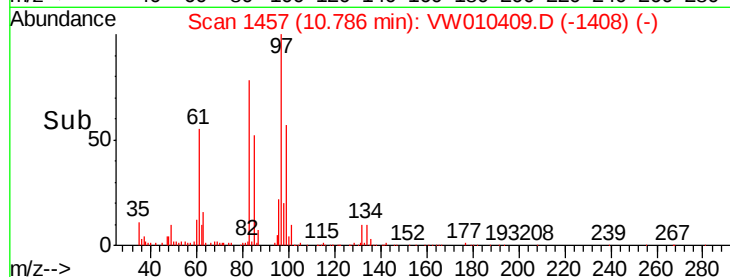
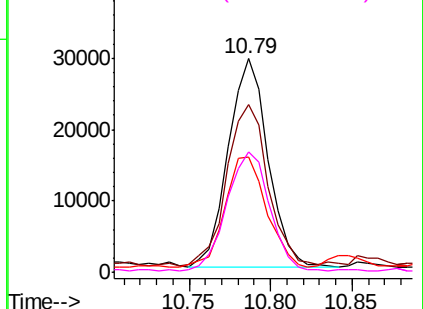


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 5.380 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

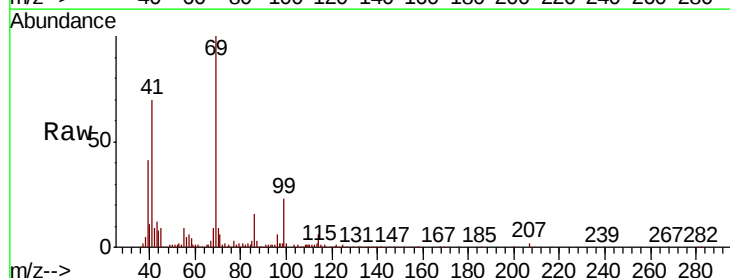
Tgt Ion: 69 Resp: 70573

Ion Ratio Lower Upper

69 100

41 65.1 51.7 77.5

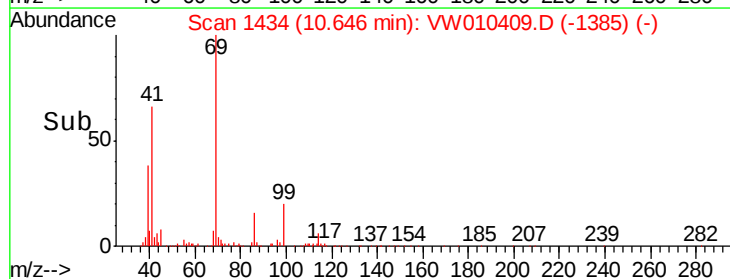
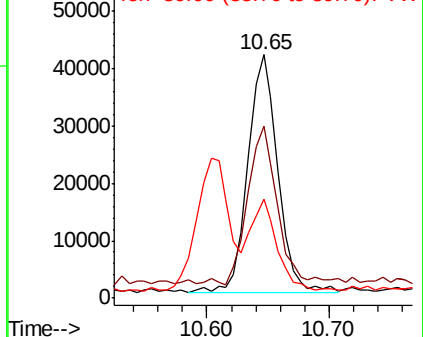
39 33.8 26.2 39.2

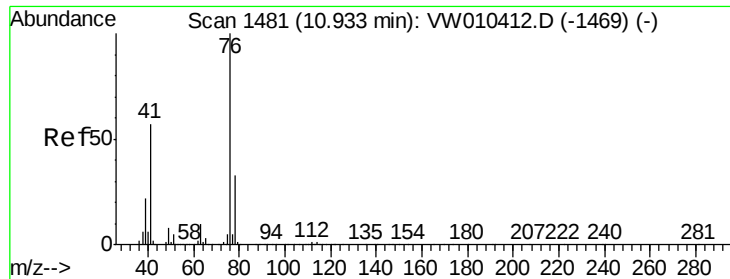


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

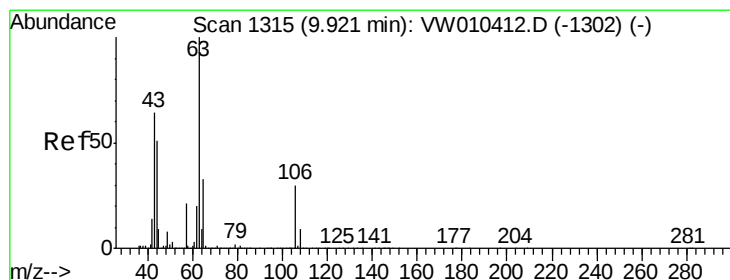
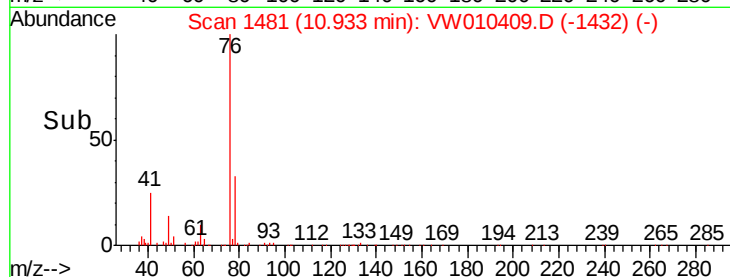
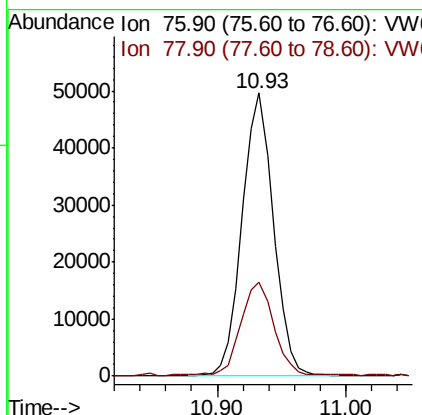
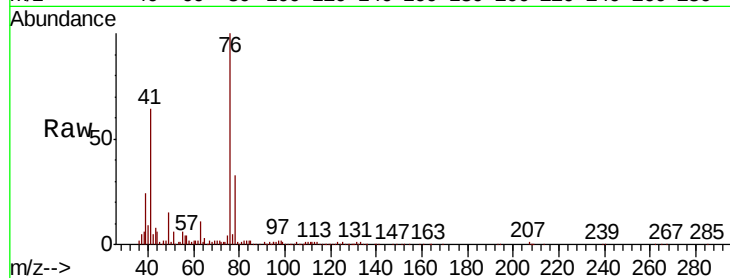




#57
 1,3-Dichloropropane
 Concen: 4.793 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

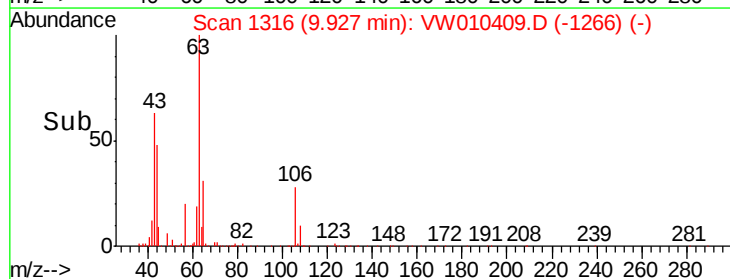
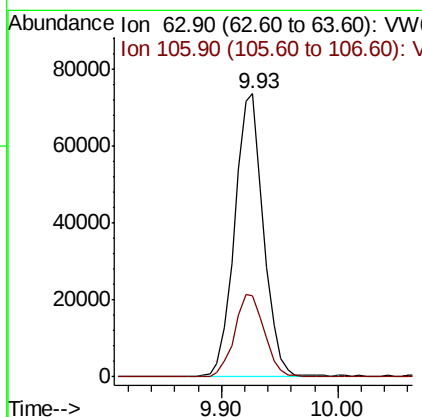
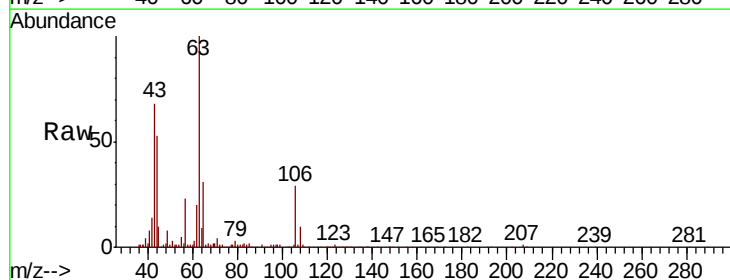
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

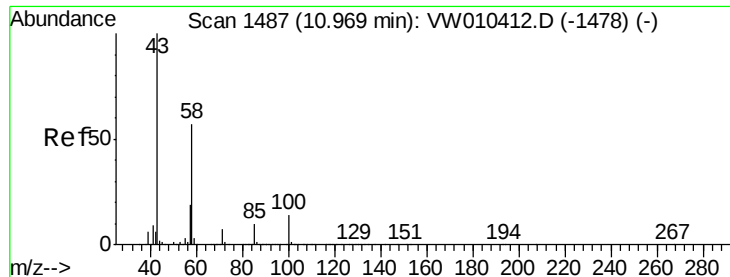
Tgt Ion: 76 Resp: 83600
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.983 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Tgt Ion: 63 Resp: 125672
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.5 36.7





#59

2-Hexanone

Concen: 21.868 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

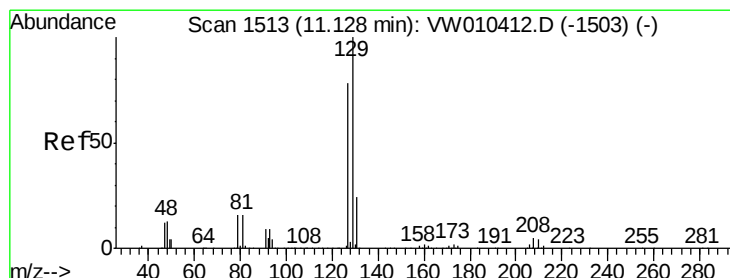
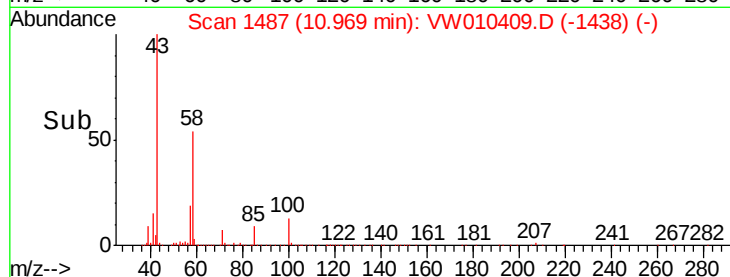
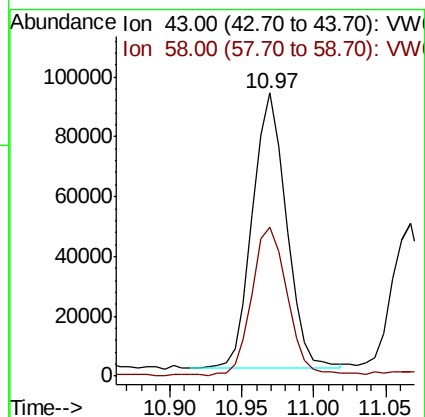
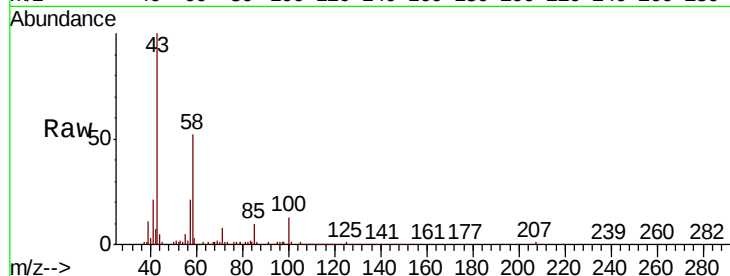
VSTDIC005

Tgt Ion: 43 Resp: 150410

Ion Ratio Lower Upper

43 100

58 55.9 28.0 83.9



#60

Dibromochloromethane

Concen: 5.457 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010409.D

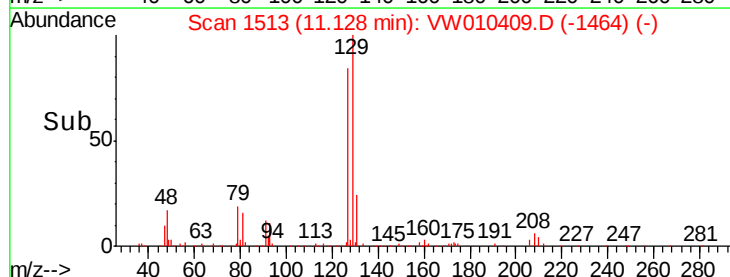
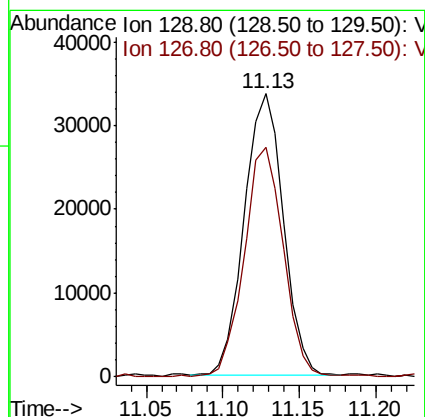
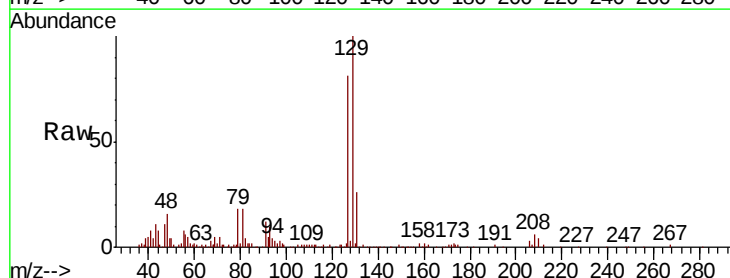
Acq: 16 May 2019 18:43

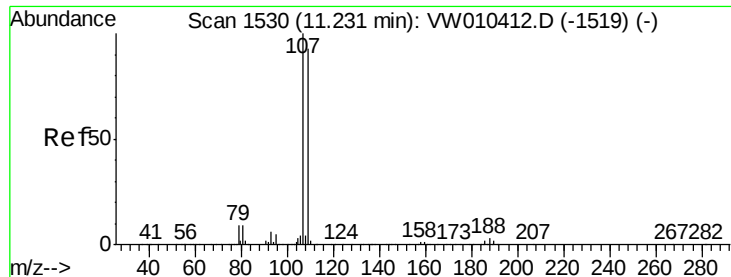
Tgt Ion: 129 Resp: 59493

Ion Ratio Lower Upper

129 100

127 82.6 39.3 117.9

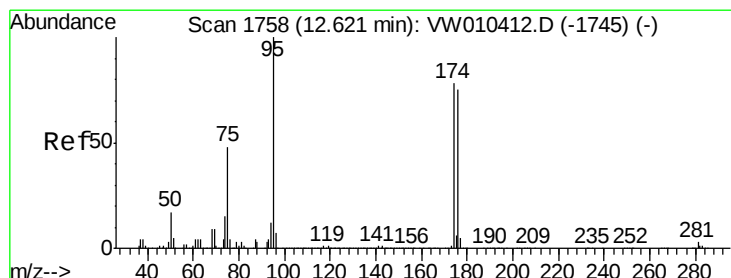
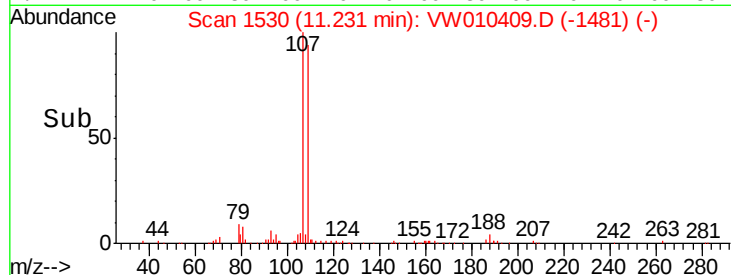
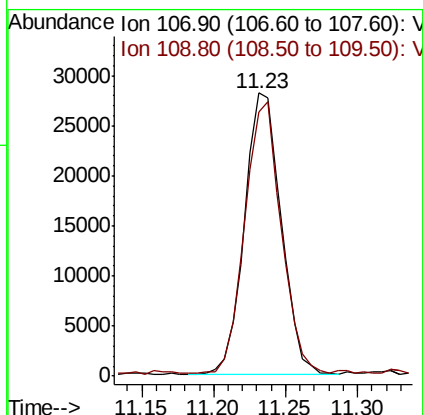
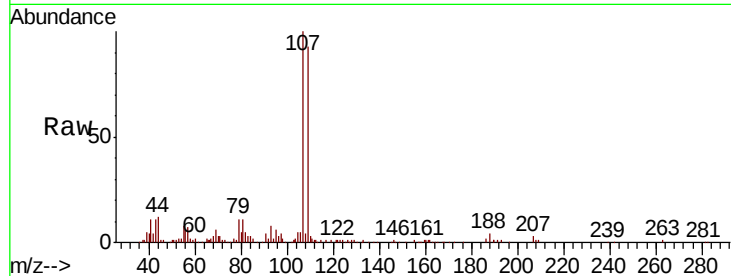




#61
 1,2-Dibromoethane
 Concen: 5.190 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

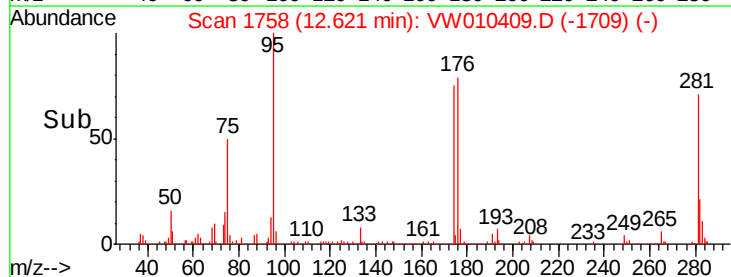
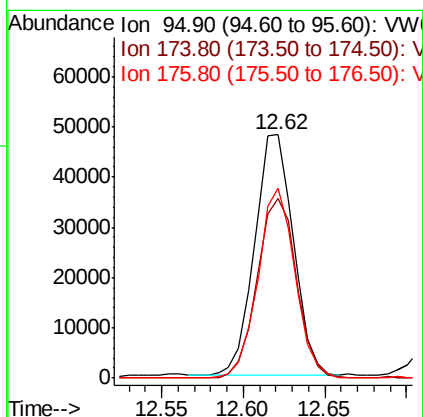
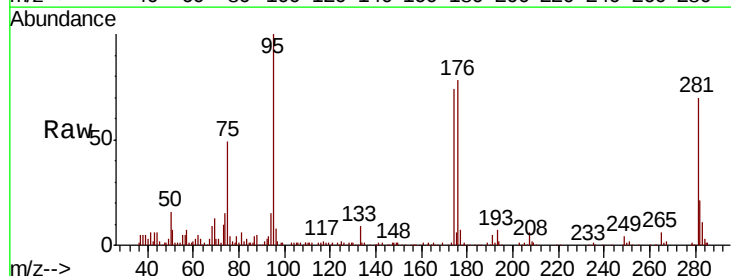
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

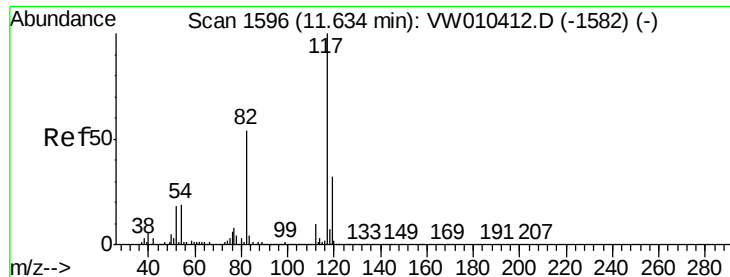
Tgt Ion: 107 Resp: 49592
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 5.092 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Tgt Ion: 95 Resp: 79012
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 150.2
 176 76.0 0.0 144.6

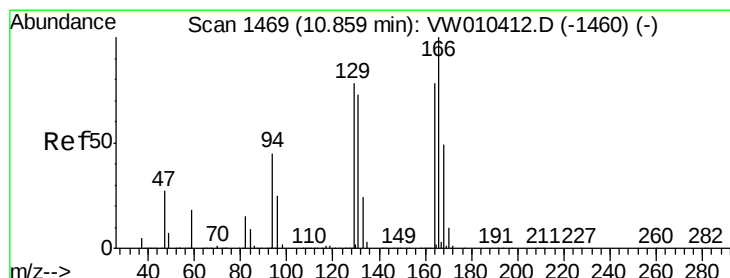
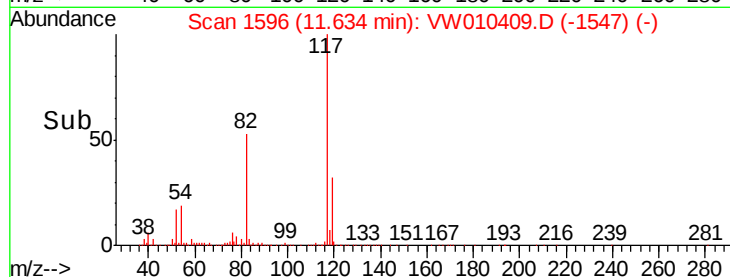
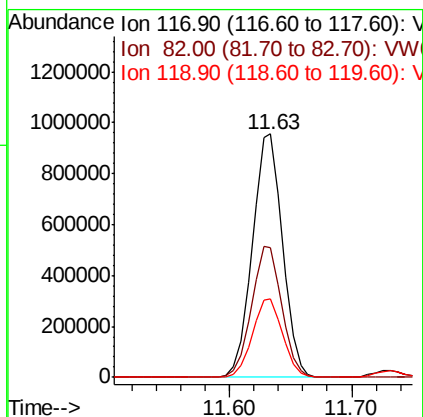
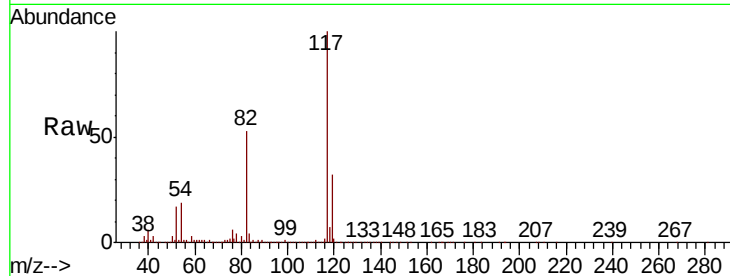




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

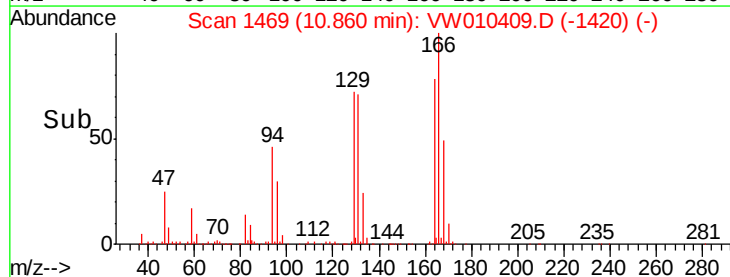
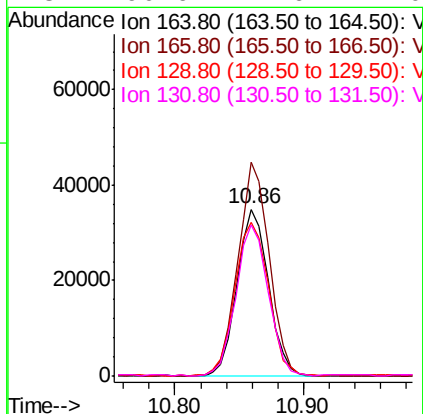
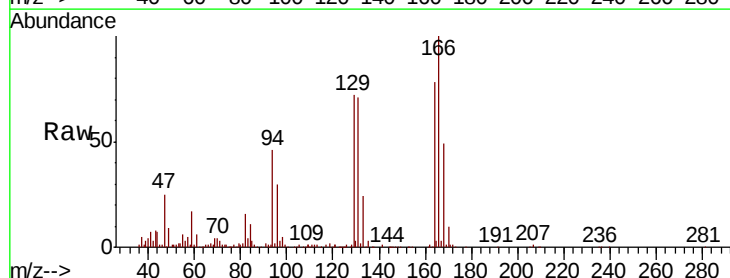
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

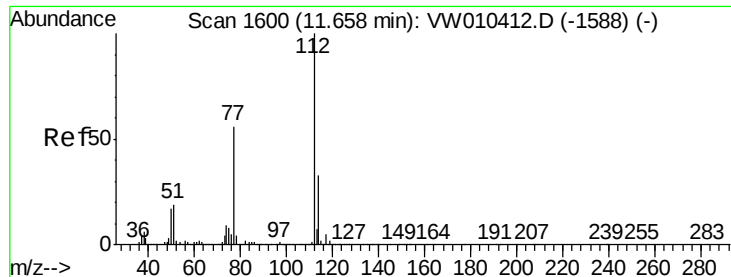
Tgt Ion:117 Resp: 1643146
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.6
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 5.193 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion:164 Resp: 59187
Ion Ratio Lower Upper
164 100
166 128.3 102.3 153.5
129 91.7 79.6 119.4
131 90.6 74.6 112.0

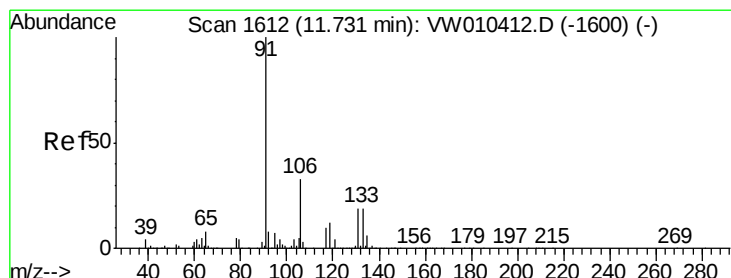
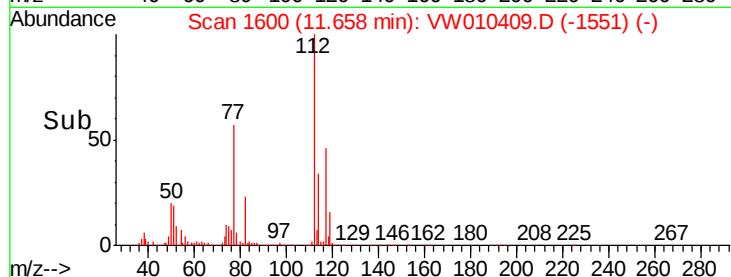
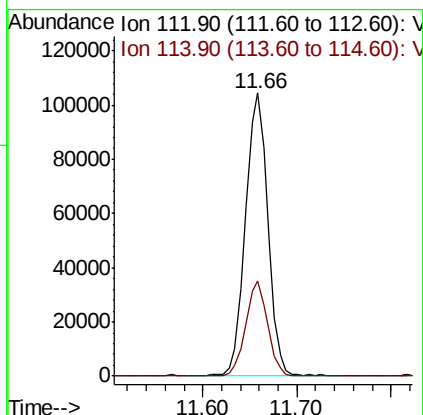
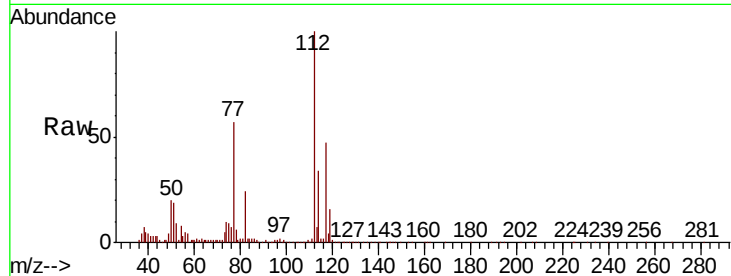




#65
Chlorobenzene
Concen: 5.099 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

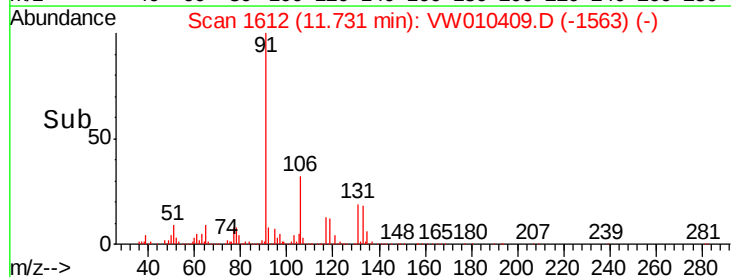
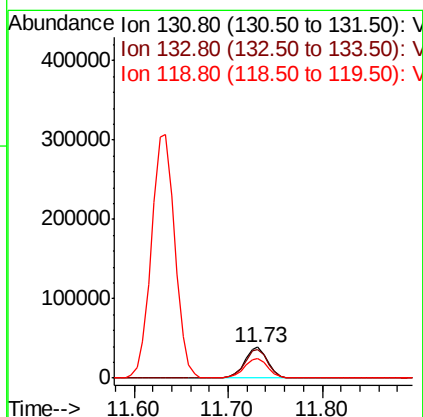
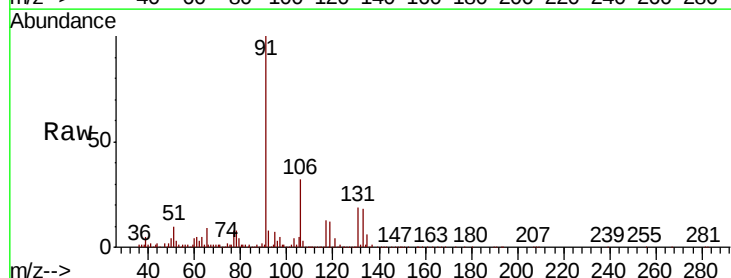
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

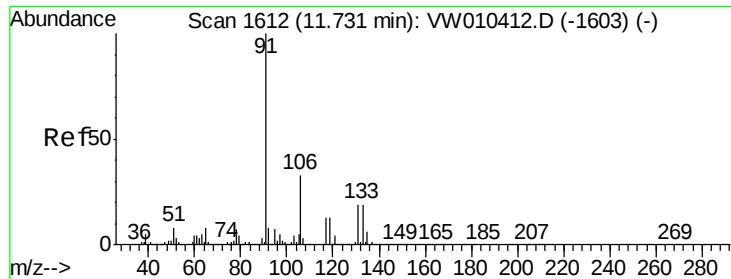
Tgt Ion:112 Resp: 173133
Ion Ratio Lower Upper
112 100
114 33.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 5.693 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion:131 Resp: 66164
Ion Ratio Lower Upper
131 100
133 92.6 48.0 144.0
119 63.2 32.4 97.0





#67

Ethyl Benzene

Concen: 5.146 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

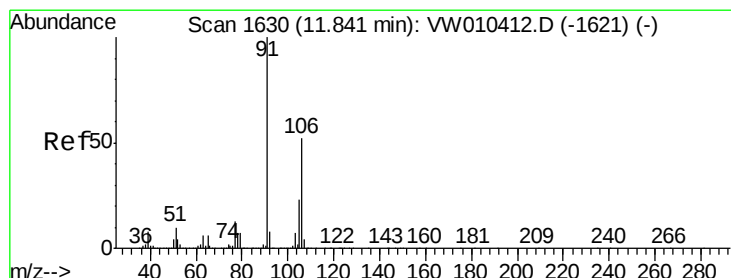
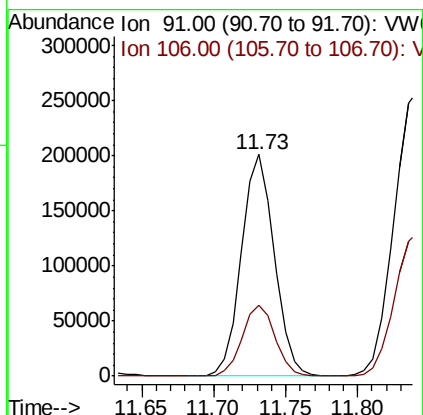
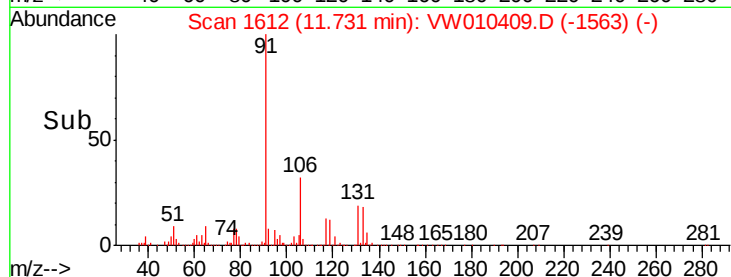
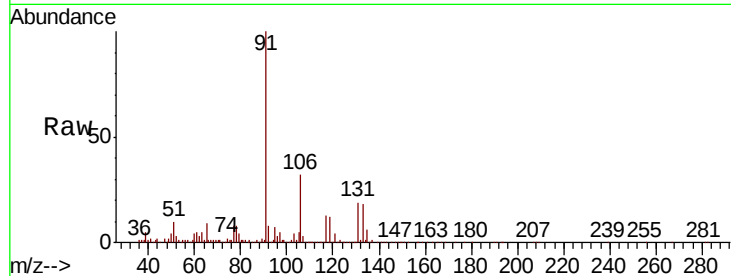
VSTDIC005

Tgt Ion: 91 Resp: 316802

Ion Ratio Lower Upper

91 100

106 32.1 26.0 39.0



#68

m/p-Xylenes

Concen: 10.692 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010409.D

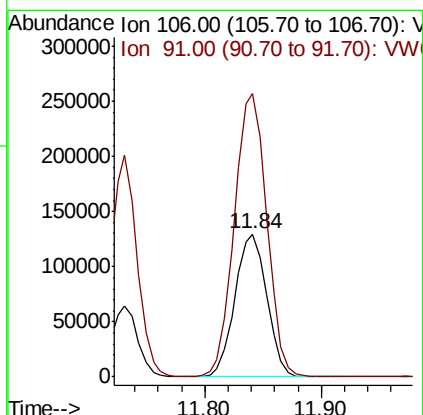
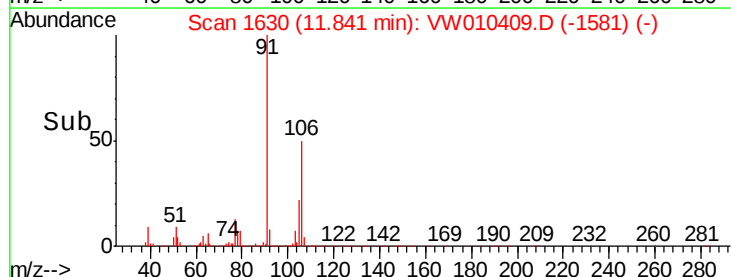
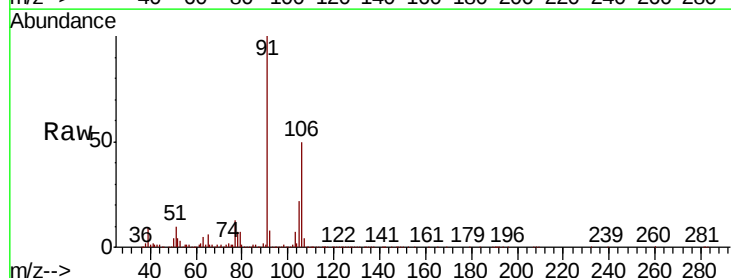
Acq: 16 May 2019 18:43

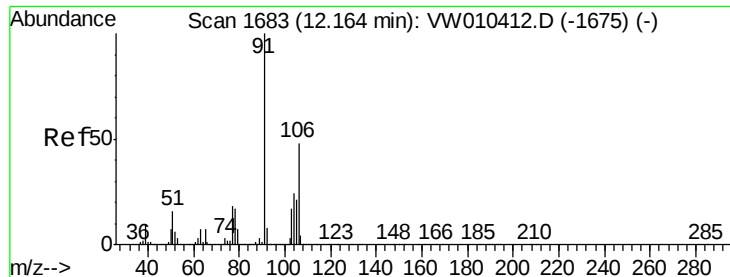
Tgt Ion: 106 Resp: 246752

Ion Ratio Lower Upper

106 100

91 200.3 156.2 234.2

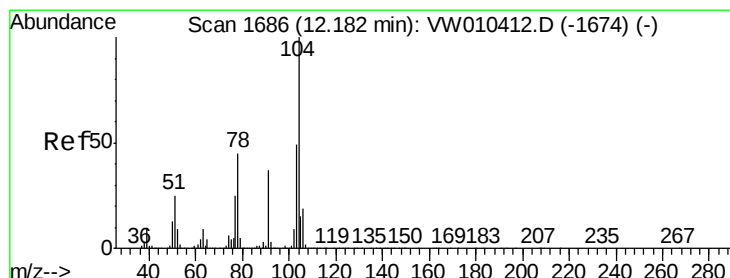
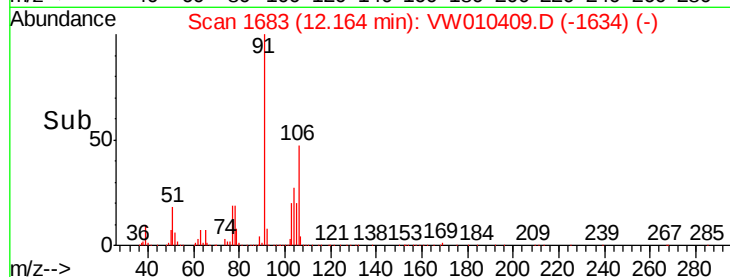
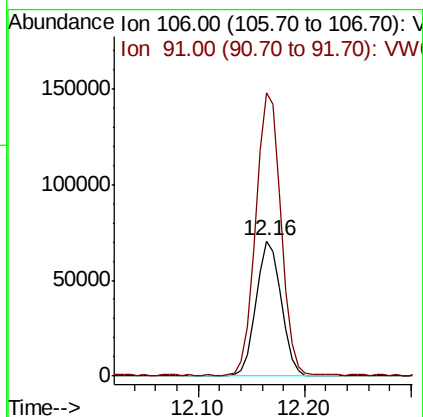
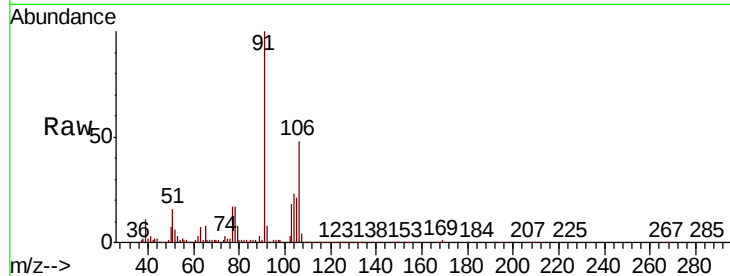




#69
o-Xylene
Concen: 5.514 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

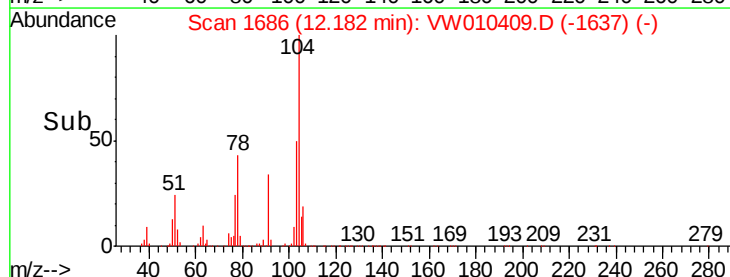
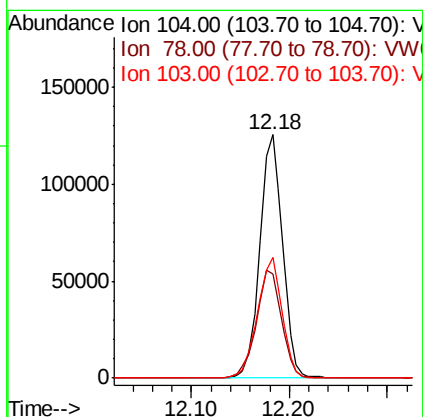
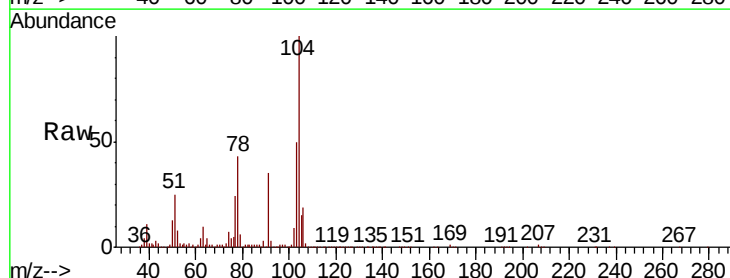
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

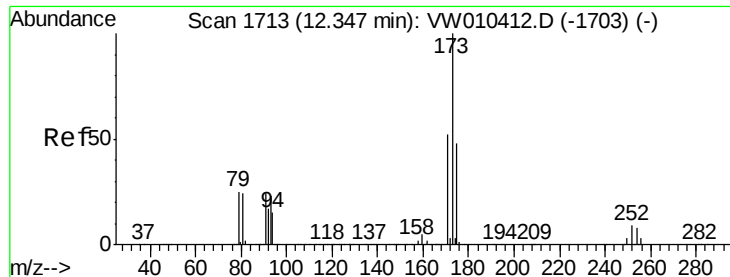
Tgt Ion:106 Resp: 116222
Ion Ratio Lower Upper
106 100
91 210.7 102.8 308.3



#70
Styrene
Concen: 5.512 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion:104 Resp: 202141
Ion Ratio Lower Upper
104 100
78 49.4 39.4 59.2
103 53.5 42.6 64.0





#71

Bromoform

Concen: 5.261 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

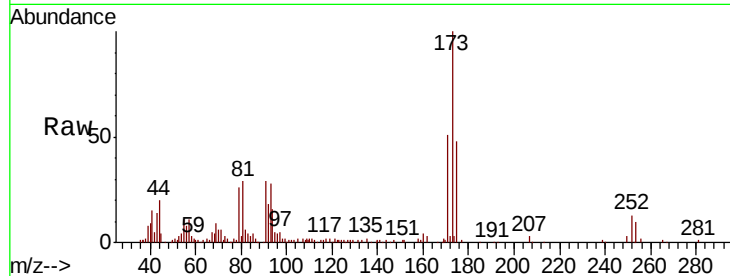
Tgt Ion:173 Resp: 35377

Ion Ratio Lower Upper

173 100

175 50.1 24.1 72.2

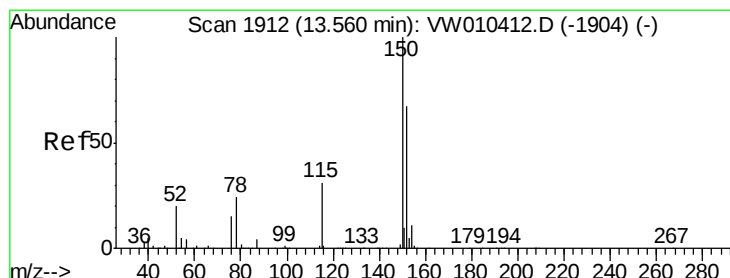
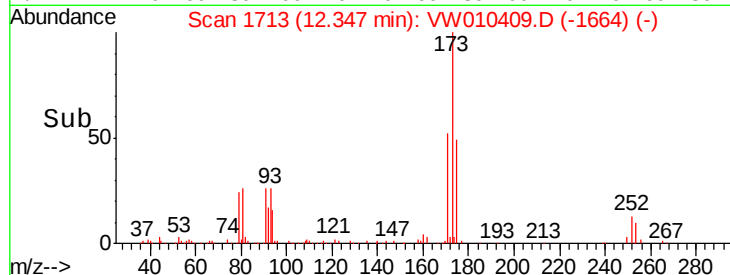
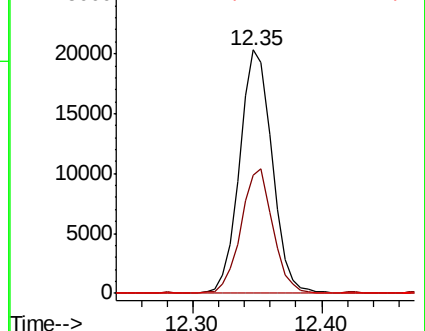
254 0.0 0.2 0.2#



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: VW010409.D

Acq: 16 May 2019 18:43

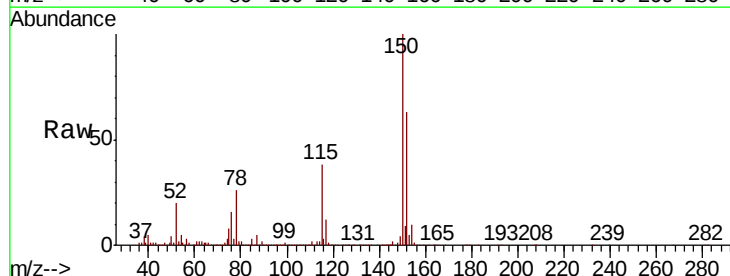
Tgt Ion:152 Resp: 798807

Ion Ratio Lower Upper

152 100

115 61.0 30.2 90.6

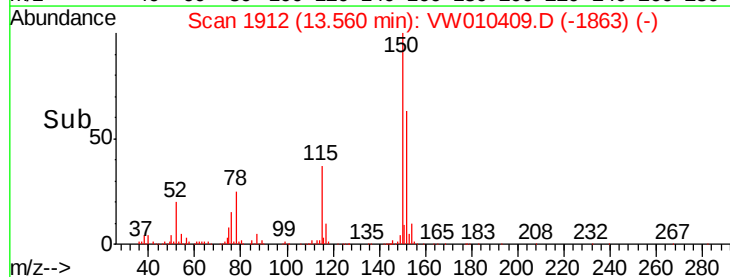
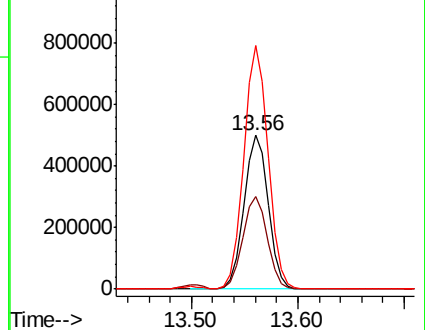
150 157.9 0.0 348.0

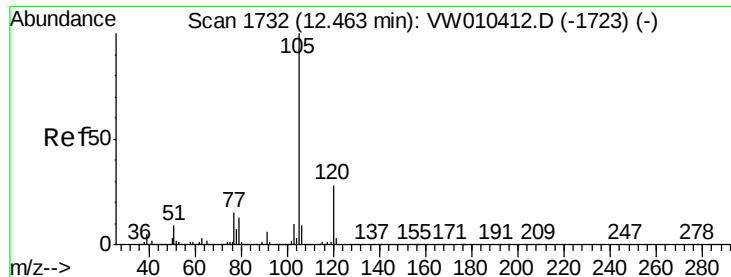


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.451 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

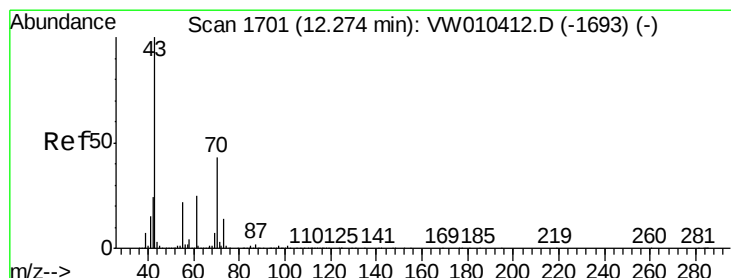
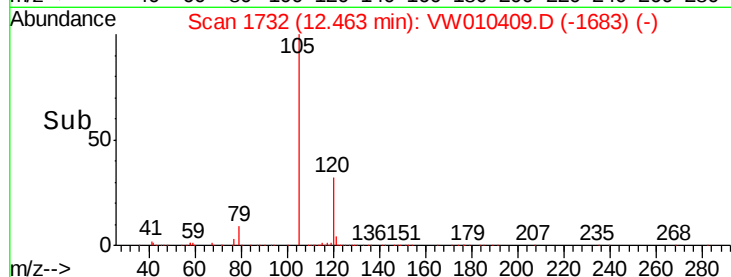
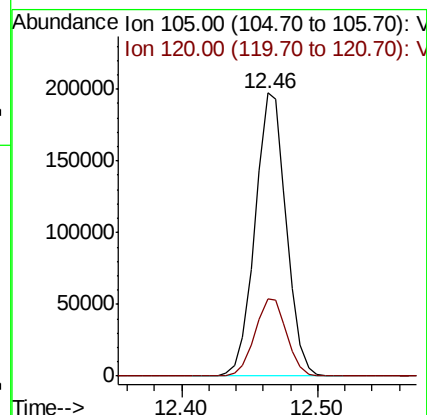
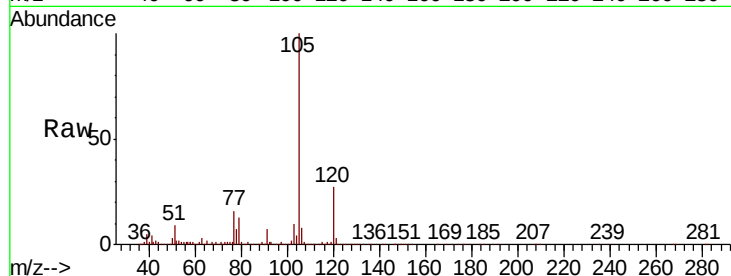
VSTDIC005

Tgt Ion: 105 Resp: 315630

Ion Ratio Lower Upper

105 100

120 27.9 13.7 41.1



#74

N-ethyl acetate

Concen: 5.198 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Tgt Ion: 43 Resp: 79495

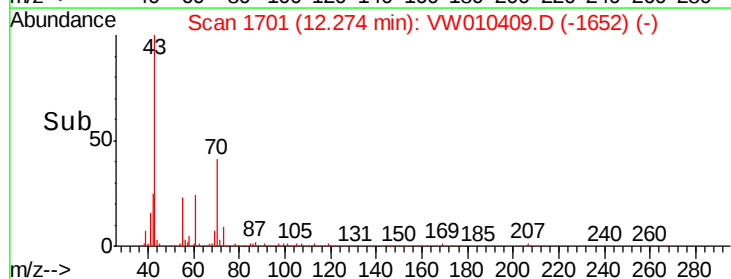
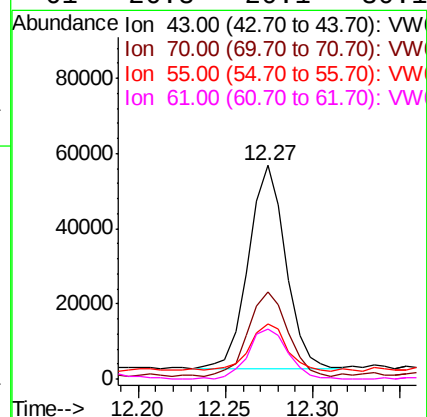
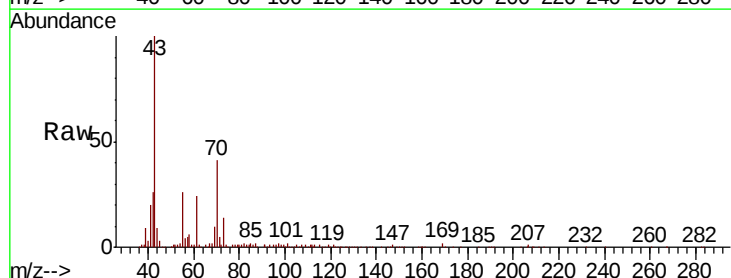
Ion Ratio Lower Upper

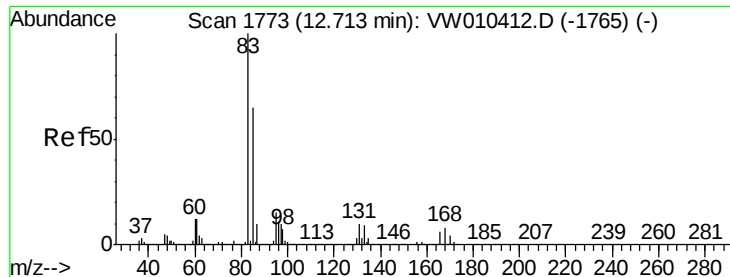
43 100

70 44.1 34.6 51.8

55 23.7 17.8 26.8

61 26.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.698 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

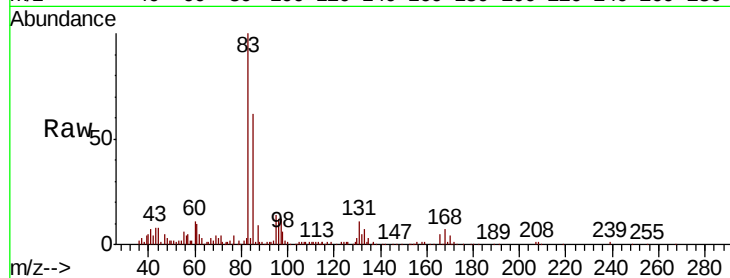
Tgt Ion: 83 Resp: 59715

Ion Ratio Lower Upper

83 100

131 12.5 5.4 16.2

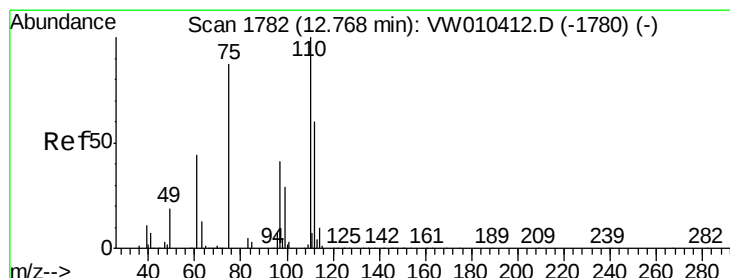
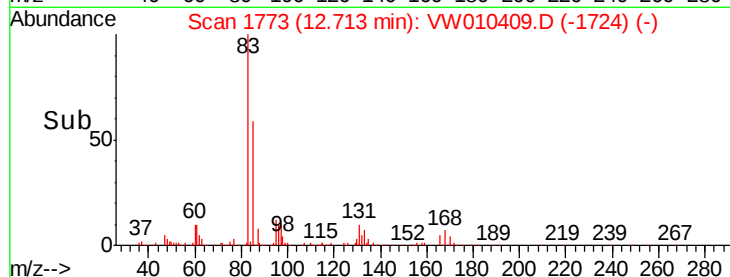
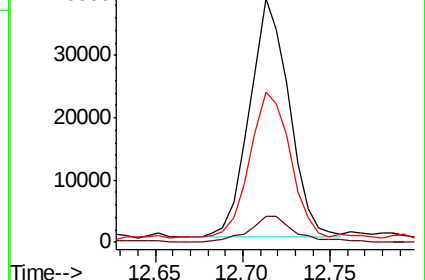
85 62.7 32.4 97.0



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: 8.379 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010409.D

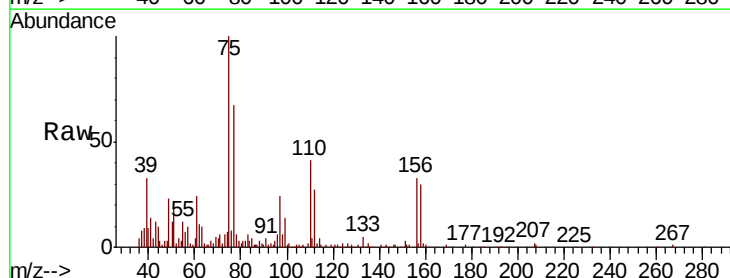
Acq: 16 May 2019 18:43

Tgt Ion: 75 Resp: 76592

Ion Ratio Lower Upper

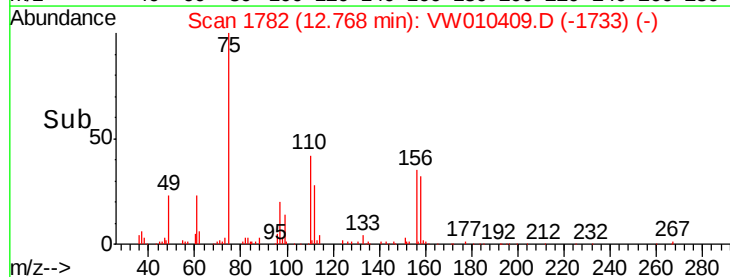
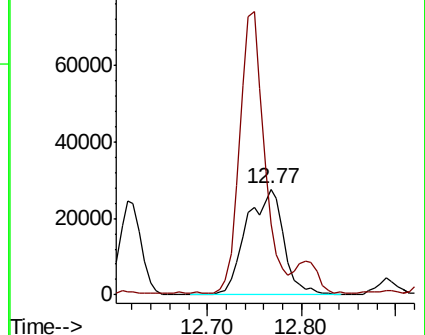
75 100

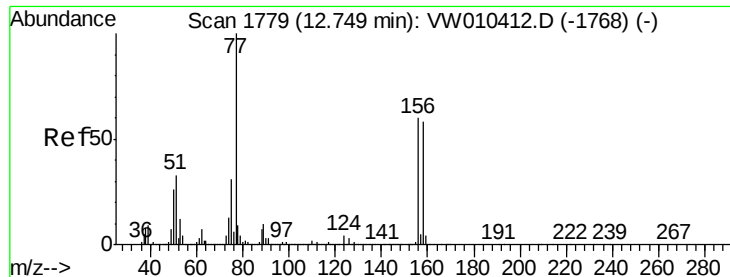
77 176.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.406 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

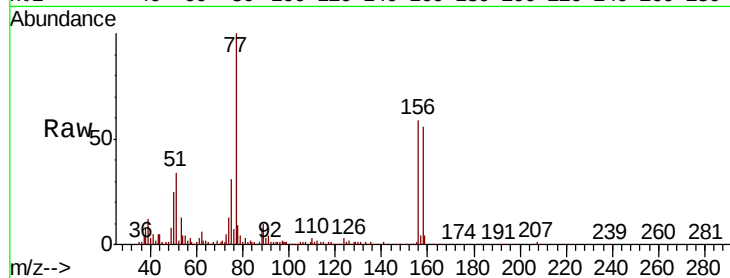
Tgt Ion: 156 Resp: 71747

Ion Ratio Lower Upper

156 100

77 188.1 95.4 286.2

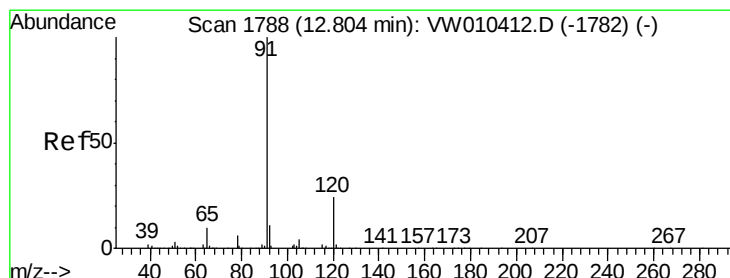
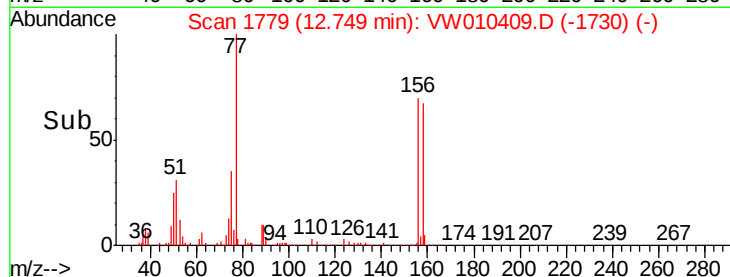
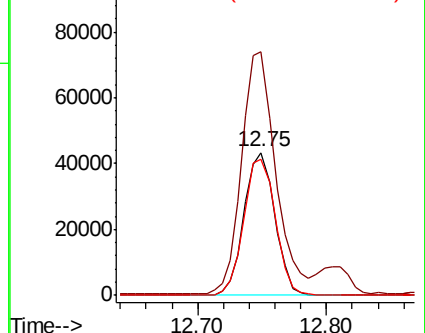
158 97.6 49.0 147.0



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: 5.203 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010409.D

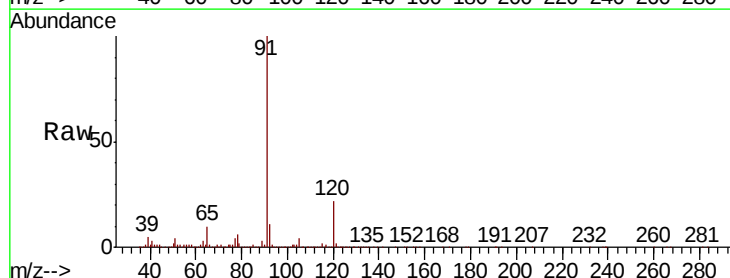
Acq: 16 May 2019 18:43

Tgt Ion: 91 Resp: 368592

Ion Ratio Lower Upper

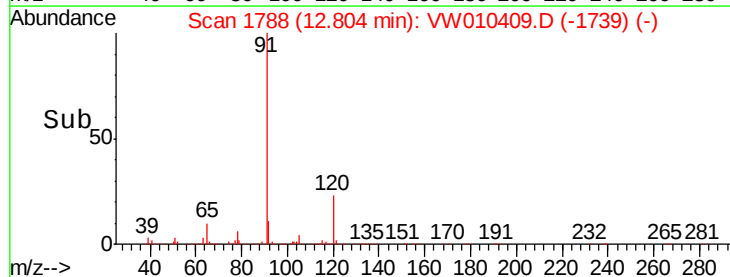
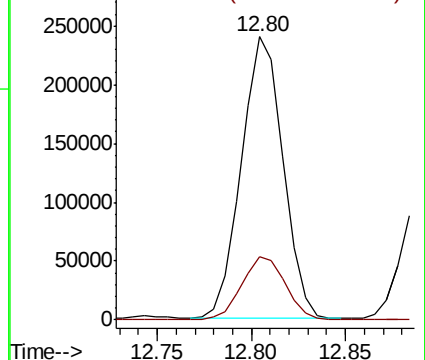
91 100

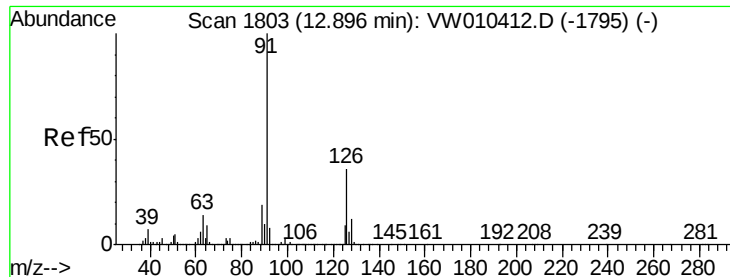
120 23.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.161 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

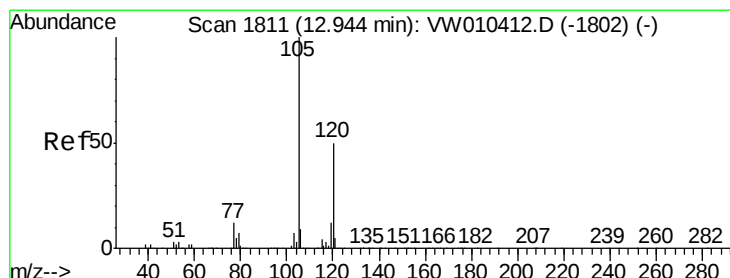
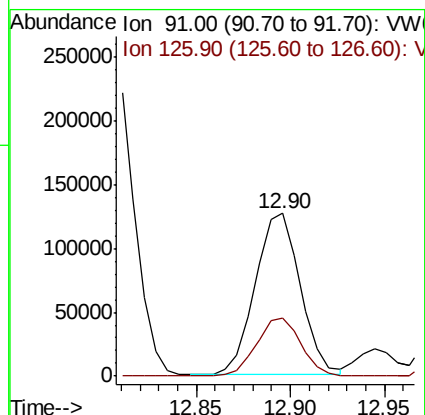
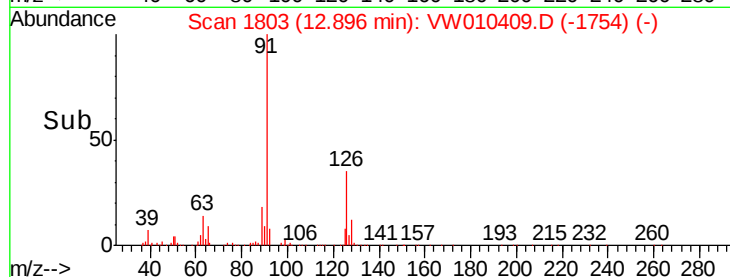
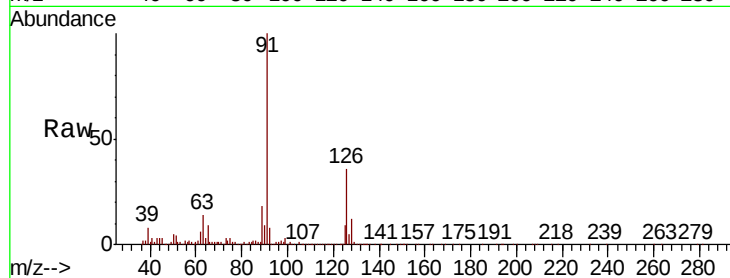
VSTDIC005

Tgt Ion: 91 Resp: 210455

Ion Ratio Lower Upper

91 100

126 35.4 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 5.601 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010409.D

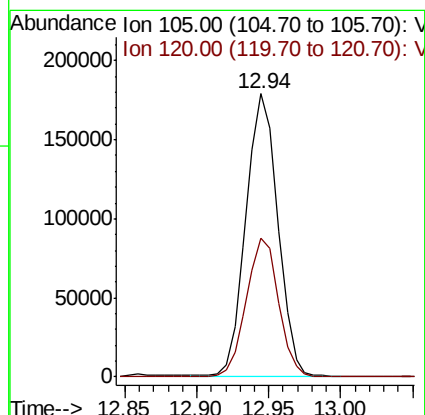
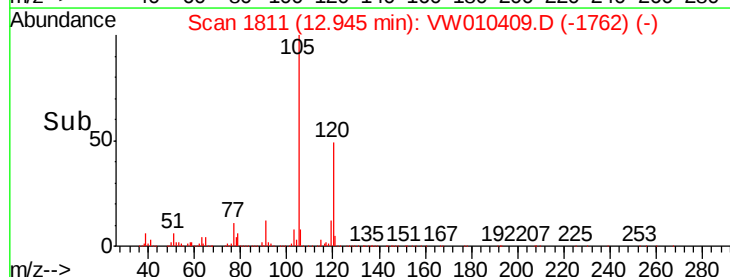
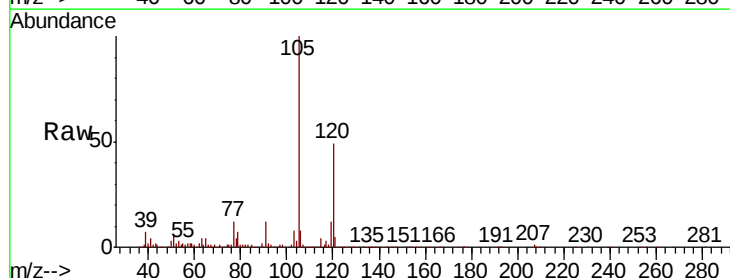
Acq: 16 May 2019 18:43

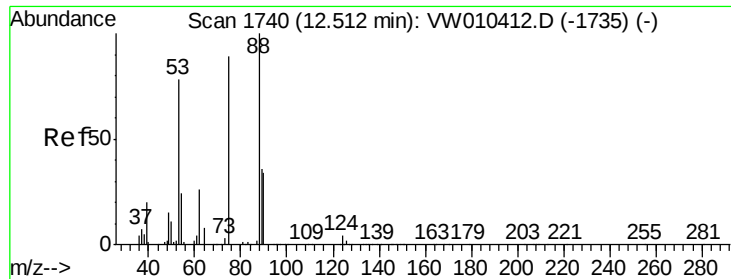
Tgt Ion: 105 Resp: 274223

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.316 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

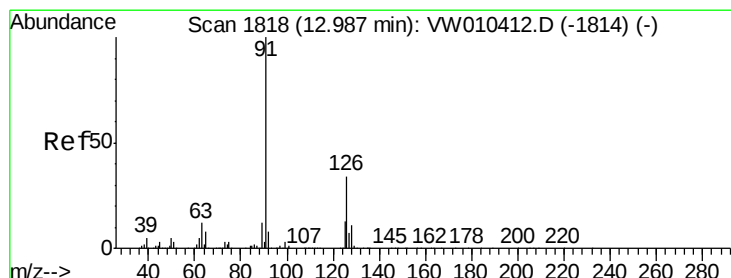
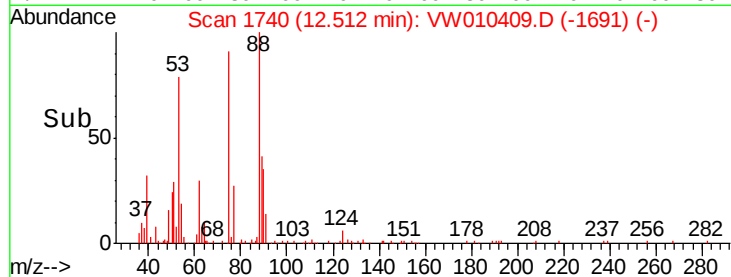
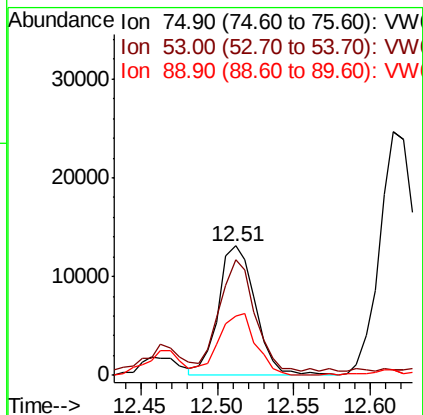
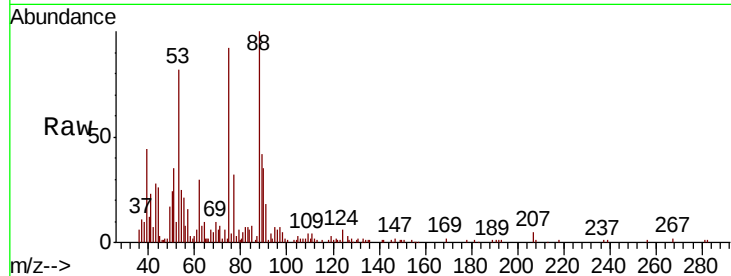
Tgt Ion: 75 Resp: 21994

Ion Ratio Lower Upper

75 100

53 80.4 71.0 106.6

89 48.6 37.4 56.2



#82

4-Chlorotoluene

Concen: 5.084 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010409.D

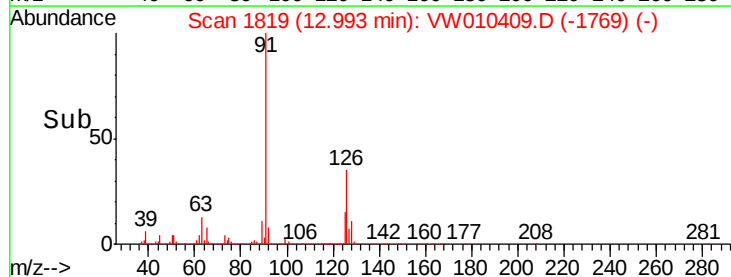
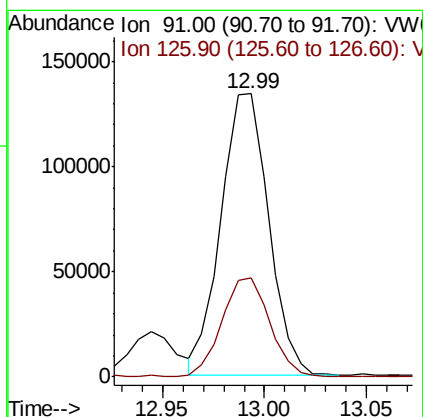
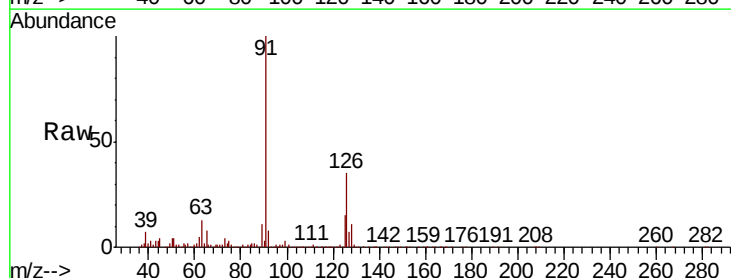
Acq: 16 May 2019 18:43

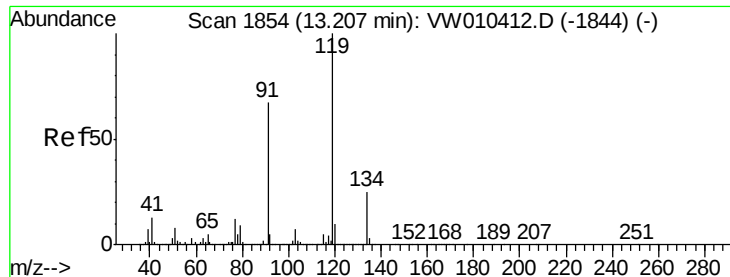
Tgt Ion: 91 Resp: 216970

Ion Ratio Lower Upper

91 100

126 35.3 17.2 51.6





#83

tert-Butylbenzene

Concen: 5.605 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

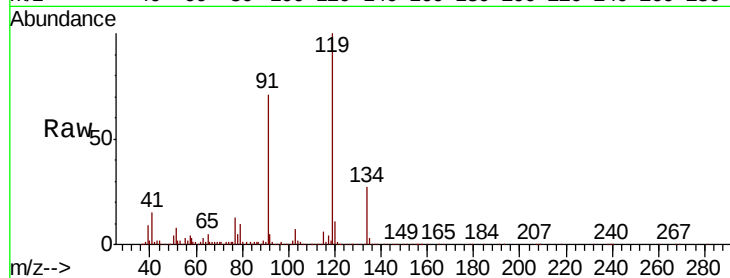
Tgt Ion:119 Resp: 229740

Ion Ratio Lower Upper

119 100

91 67.9 33.8 101.4

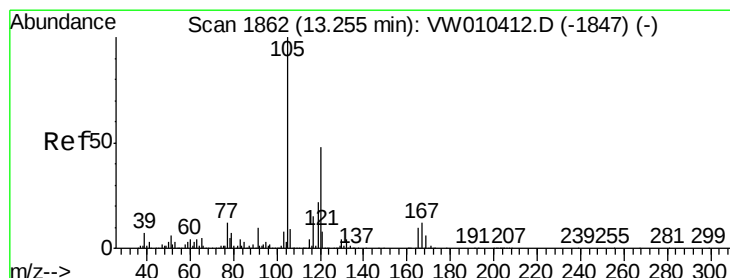
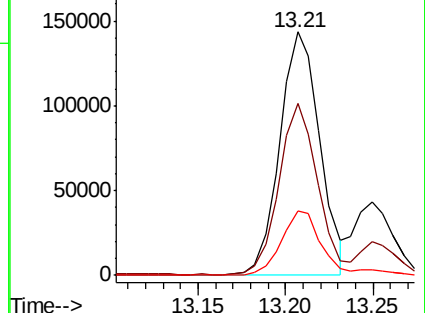
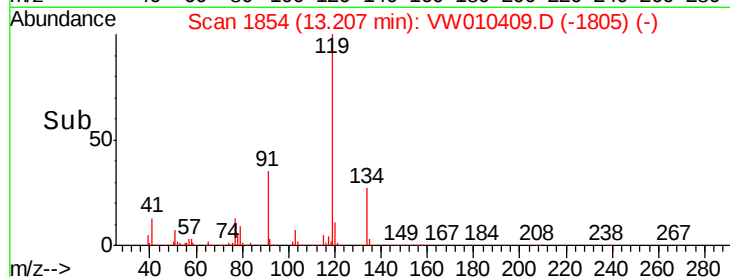
134 27.8 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.625 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010409.D

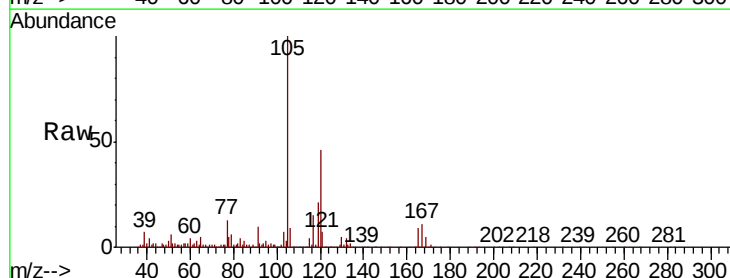
Acq: 16 May 2019 18:43

Tgt Ion:105 Resp: 274228

Ion Ratio Lower Upper

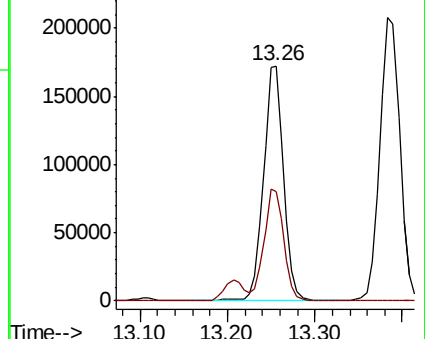
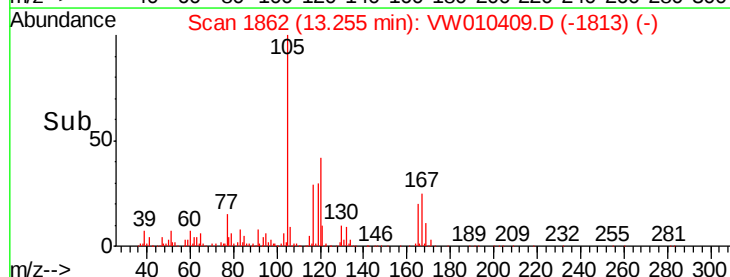
105 100

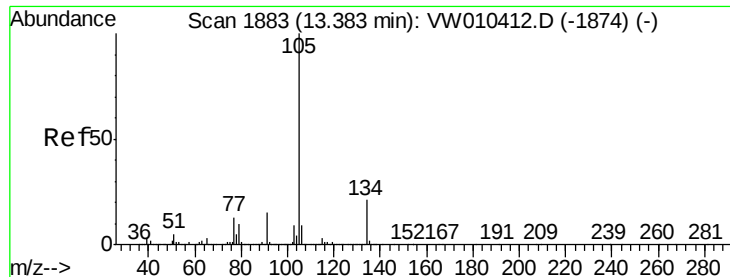
120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

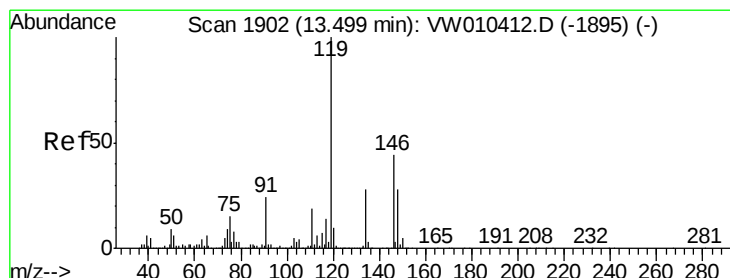
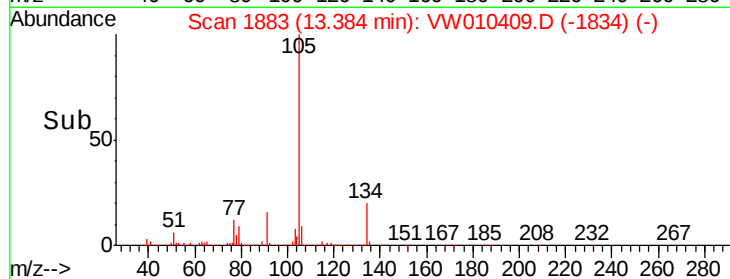
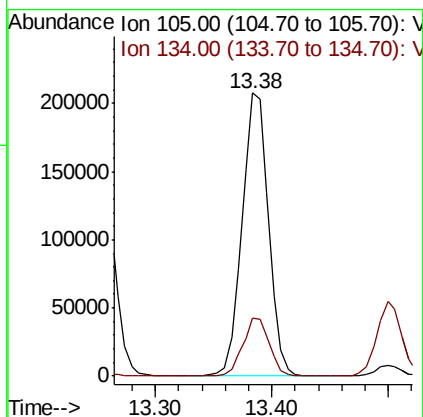
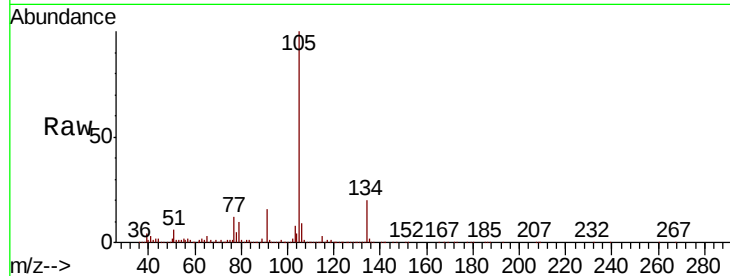




#85
 sec-Butylbenzene
 Concen: 5.451 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

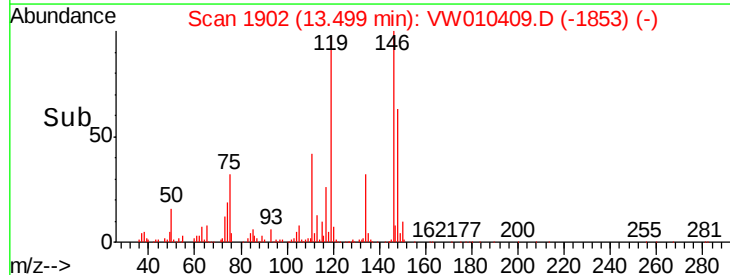
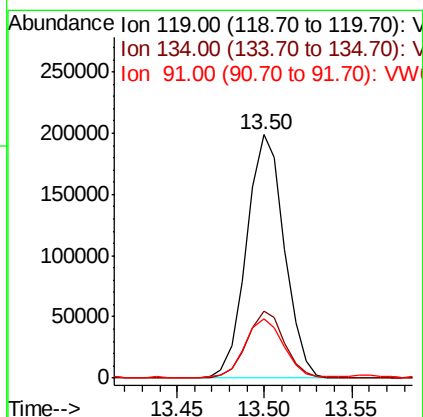
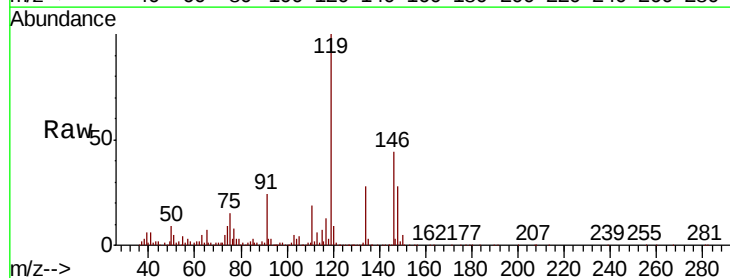
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

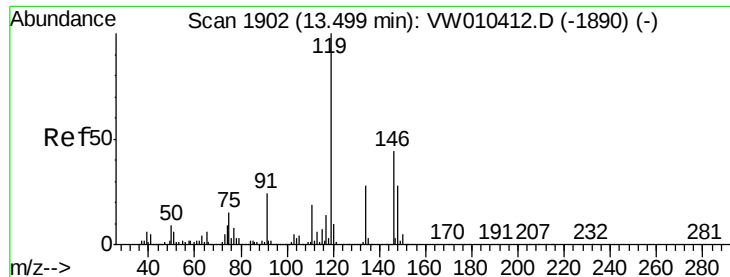
Tgt Ion:105 Resp: 326861
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 5.566 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Tgt Ion:119 Resp: 296982
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.8
 91 24.8 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 5.410 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

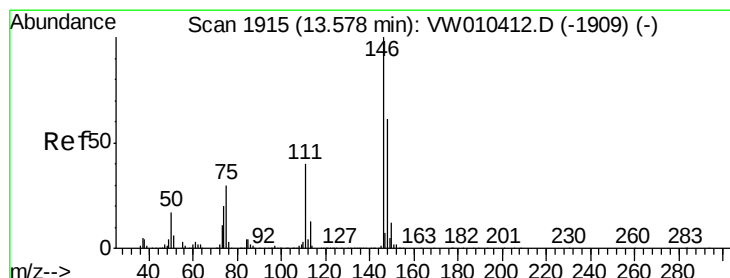
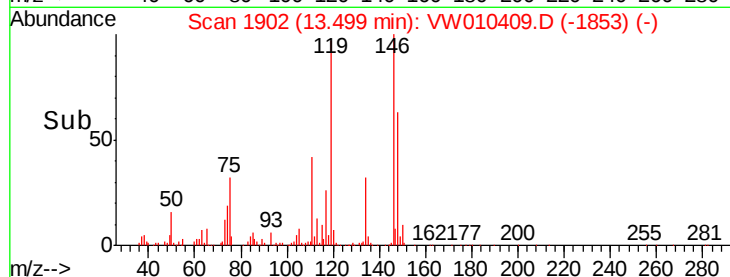
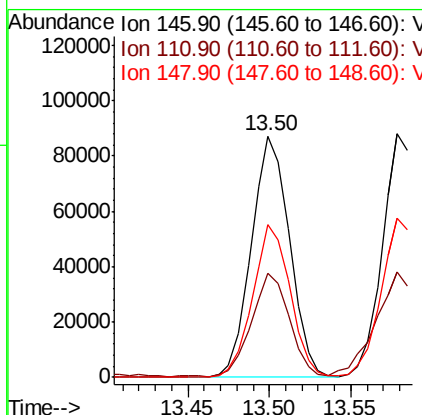
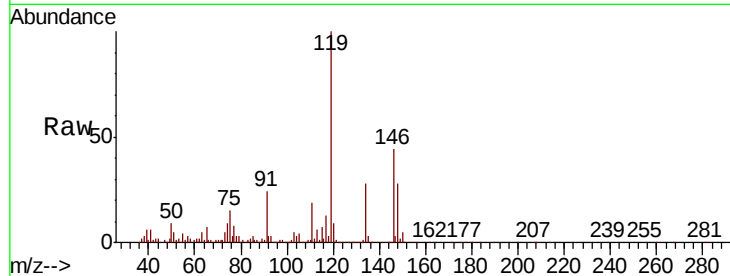
Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 142076

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	62.0	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 5.344 ug/l

RT: 13.58 min Scan# 1915

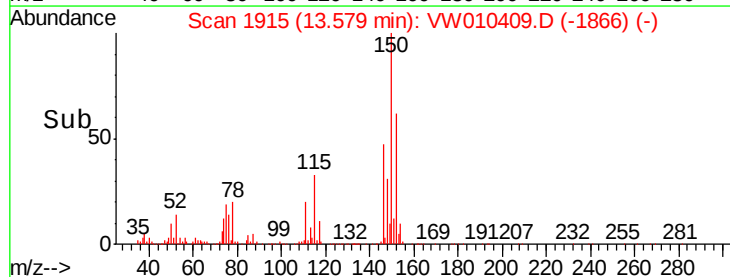
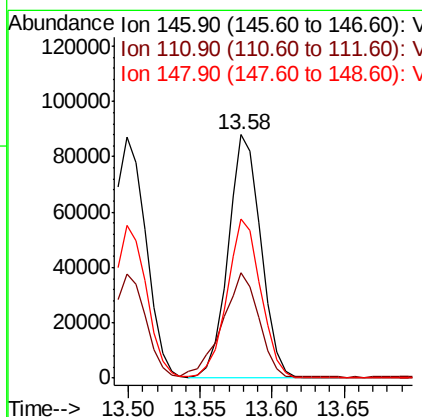
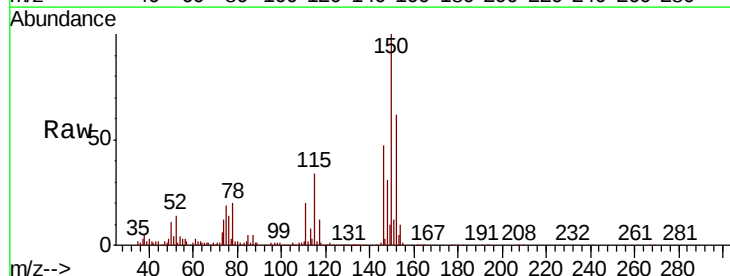
Delta R.T. 0.00 min

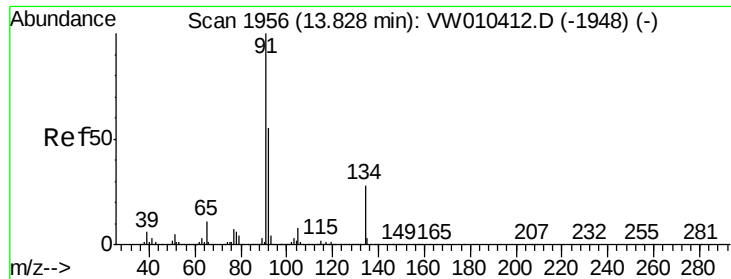
Lab File: VW010409.D

Acq: 16 May 2019 18:43

Tgt Ion:146 Resp: 139934

Ion	Ratio	Lower	Upper
146	100		
111	47.4	20.2	60.5
148	67.6	31.6	94.7





#89

n-Butylbenzene

Concen: 5.353 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

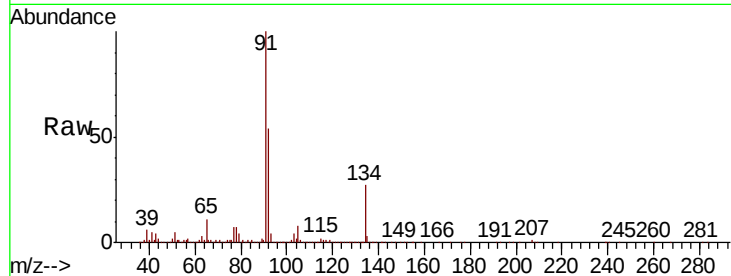
Tgt Ion: 91 Resp: 284309

Ion Ratio Lower Upper

91 100

92 54.0 27.9 83.6

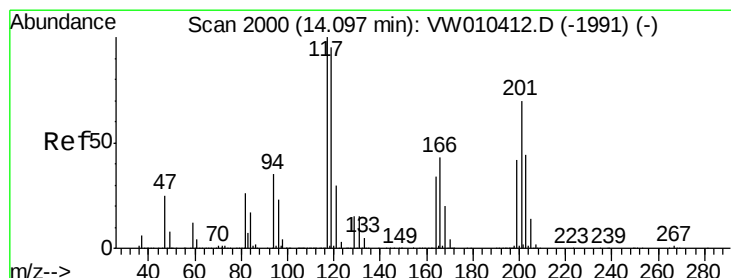
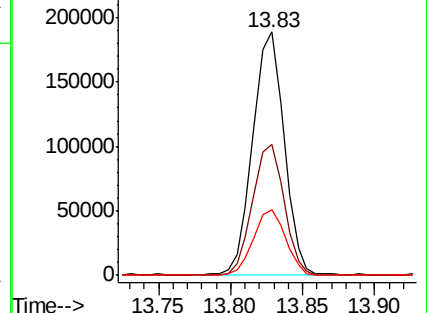
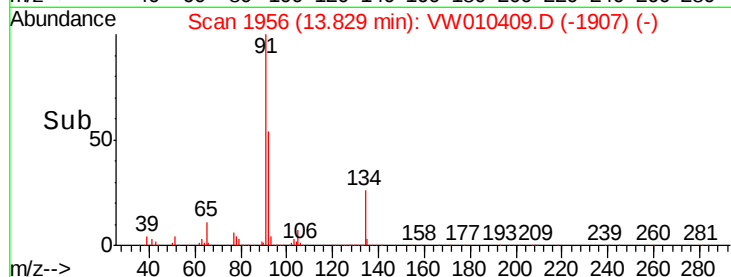
134 27.7 13.8 41.4



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: 5.688 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010409.D

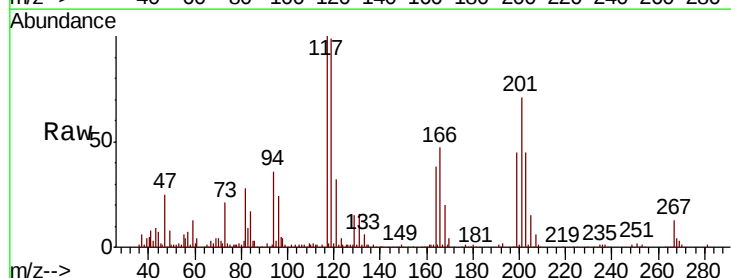
Acq: 16 May 2019 18:43

Tgt Ion: 117 Resp: 57584

Ion Ratio Lower Upper

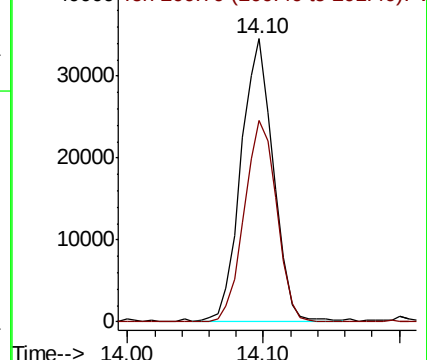
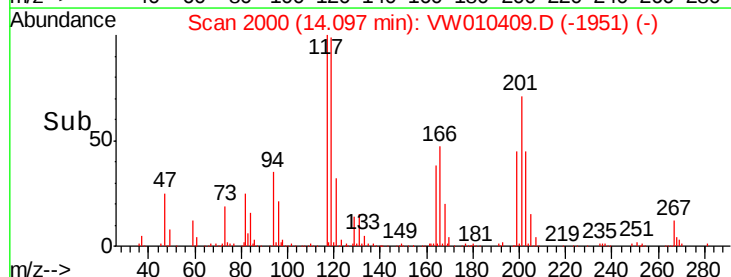
117 100

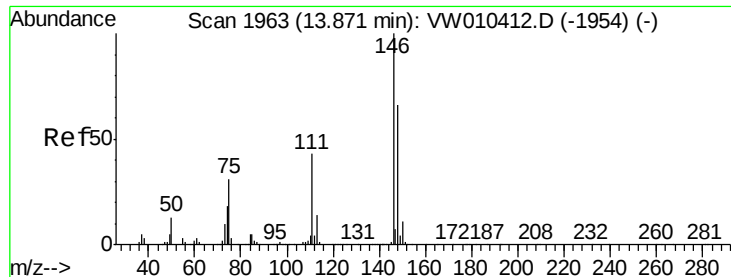
201 71.0 34.8 104.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 5.447 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

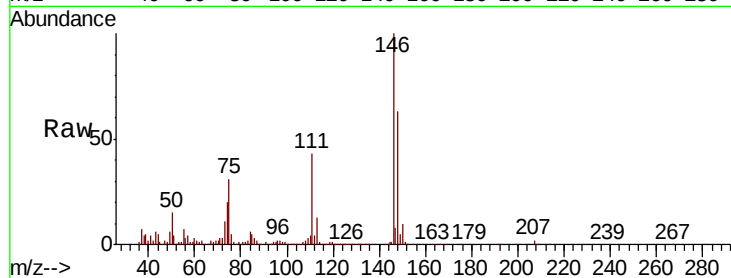
Tgt Ion:146 Resp: 127635

Ion Ratio Lower Upper

146 100

111 42.4 21.4 64.3

148 63.7 32.4 97.0

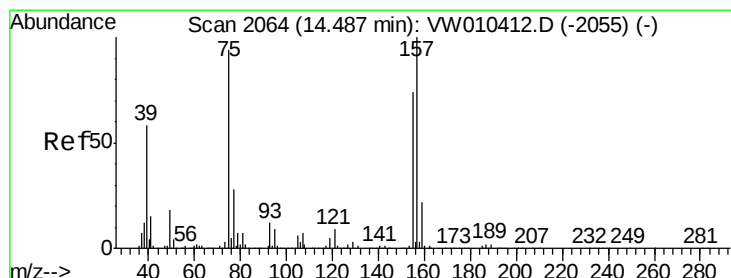
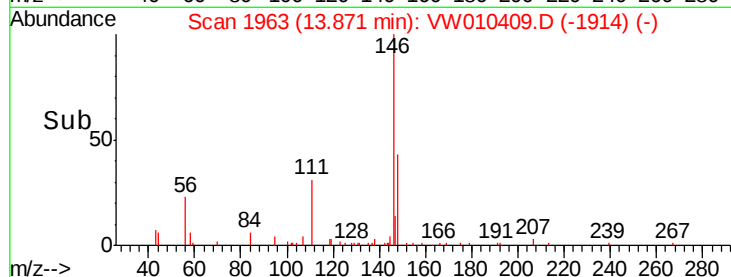
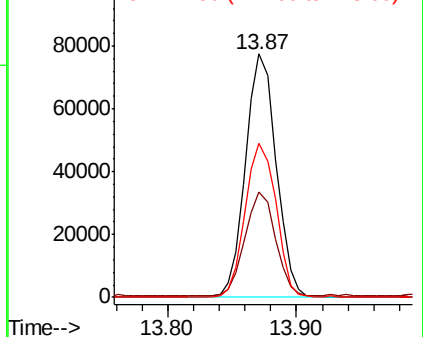


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.002 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW010409.D

Acq: 16 May 2019 18:43

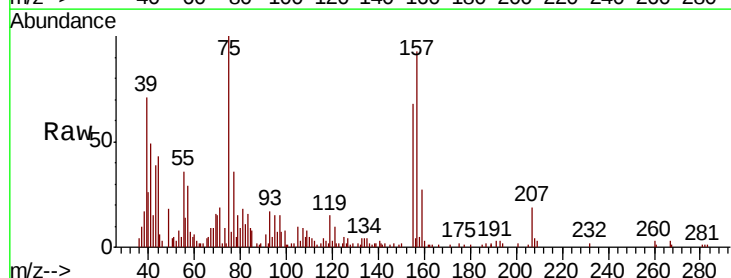
Tgt Ion: 75 Resp: 11572

Ion Ratio Lower Upper

75 100

155 86.9 43.6 130.9

157 111.1 56.9 170.7

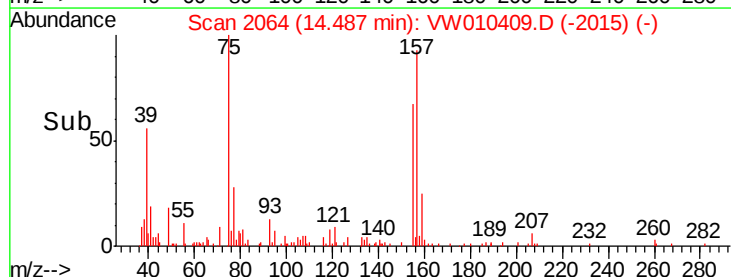
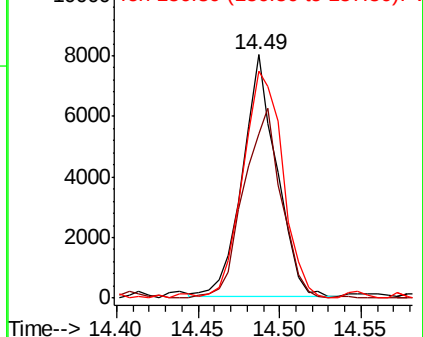


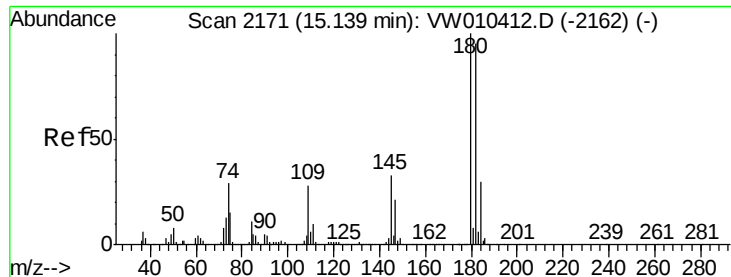
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

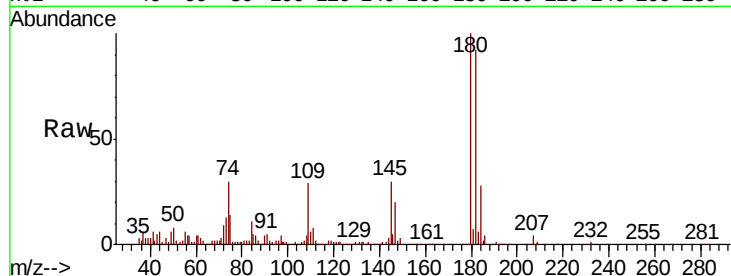




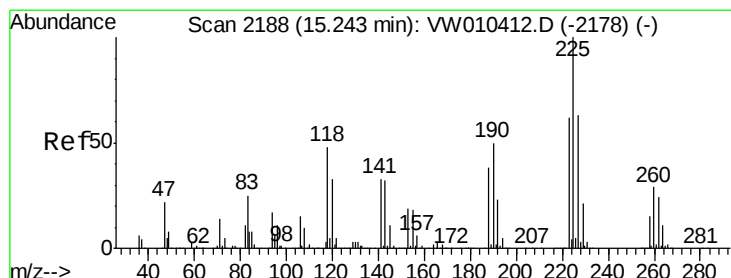
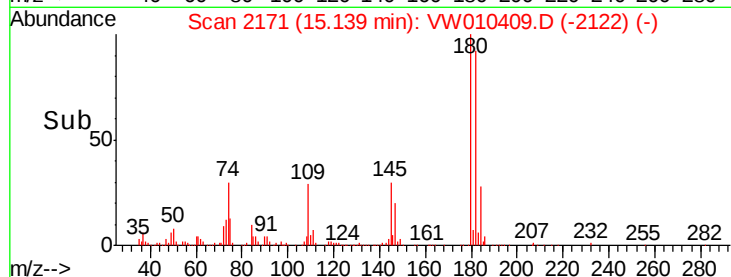
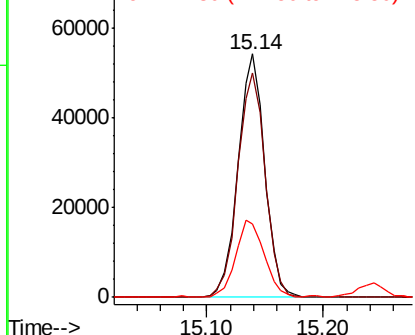
#93
 1,2,4-Trichlorobenzene
 Concen: 5.441 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 86639
 Ion Ratio Lower Upper
 180 100
 182 95.0 48.2 144.6
 145 33.5 16.8 50.3

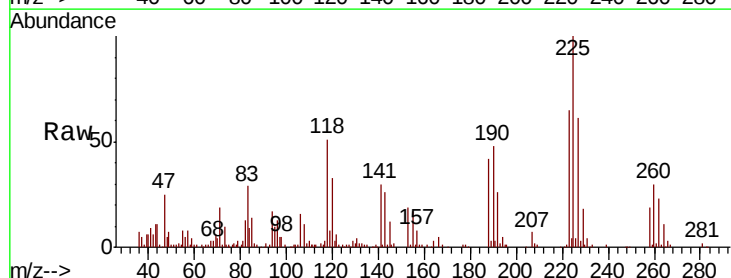


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

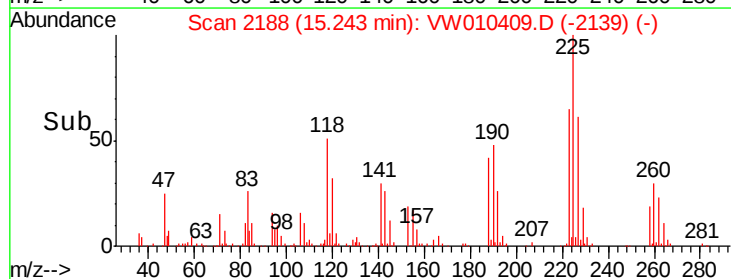
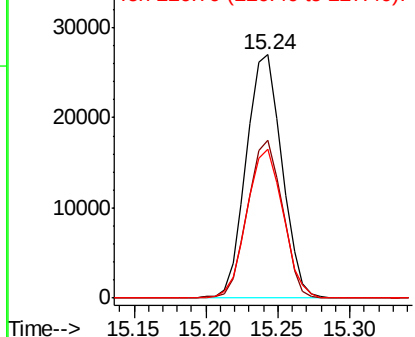


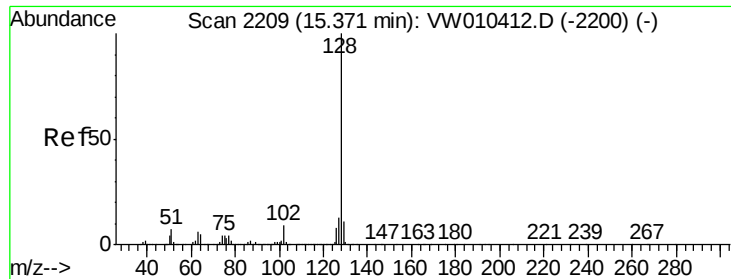
#94
 Hexachlorobutadiene
 Concen: 4.694 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010409.D
 Acq: 16 May 2019 18:43

Tgt Ion:225 Resp: 46400
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.8 95.3
 227 61.9 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

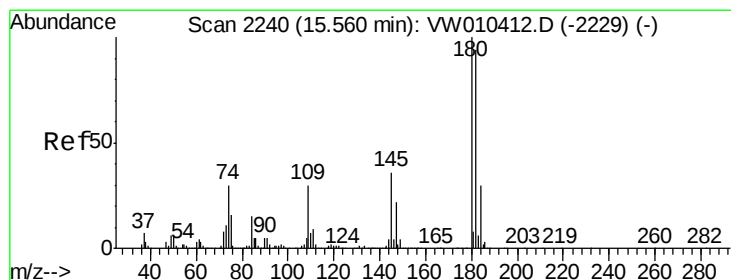
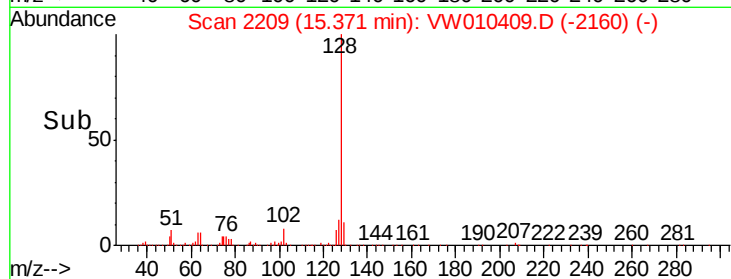
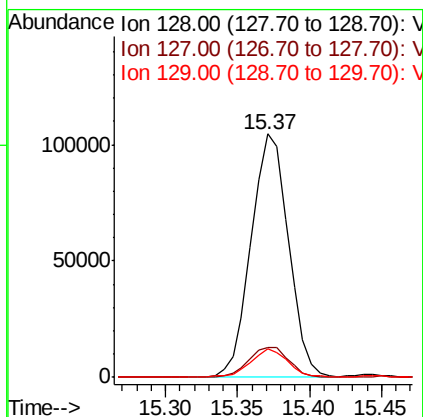
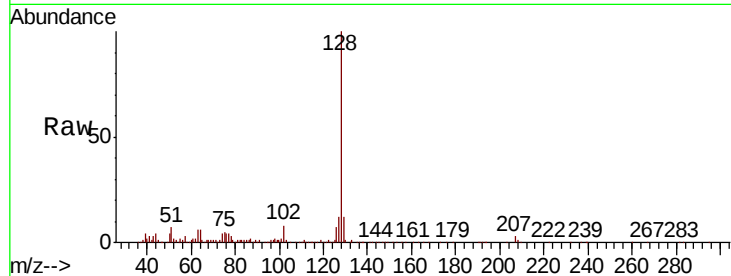




#95
Naphthalene
Concen: 5.683 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.5	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.348 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010409.D
Acq: 16 May 2019 18:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	141.9
145	35.4	17.6	52.8

