

Data File : VW010636.D
Acq On : 31 May 2019 15:01
Operator : SY/VA
Sample : K3105-03
Misc : 5.13G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
APPLE-TRACK

Quant Time: Jun 01 04:50:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	163101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	283032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	228895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	83322	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.88	113	82709	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	10.32	98	335189	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.62	95	105428	40.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.68%	

Target Compounds

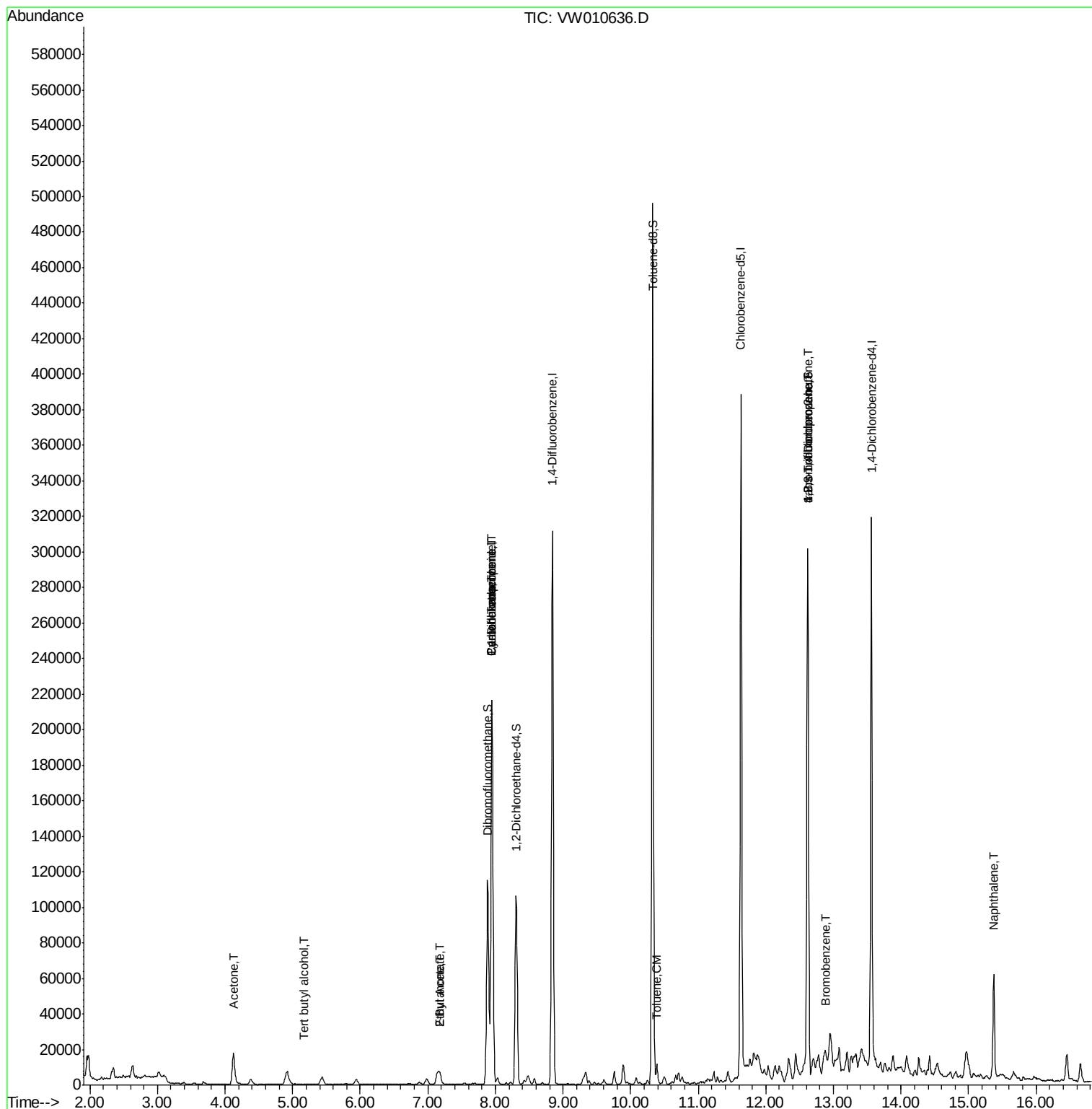
						Qvalue
2) Dichlorodifluoromethane	2.00	85	50	Below Cal	#	42
11) Tert butyl alcohol	5.17	59	294	1.942	ug/l #	71
13) Acrolein	3.90	56	29	Below Cal	#	13
16) Acetone	4.12	43	30300	88.175	ug/l	95
20) Methylene Chloride	4.92	84	5660	Below Cal	#	91
25) 2-Butanone	7.18	43	9787	19.901	ug/l	98
31) Cyclohexane	7.95	56	4318	1.351	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	11709	4.441	ug/l #	49
37) Ethyl Acetate	7.18	43	9787	8.729	ug/l #	67
38) Carbon Tetrachloride	7.95	117	16575	5.828	ug/l #	16
52) Toluene	10.39	92	5011	1.018	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	49114	58.129	ug/l #	1
77) Bromobenzene	12.88	156	3373	2.282	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	49114	121.316	ug/l #	14
95) Naphthalene	15.37	128	52904	14.018	ug/l	100

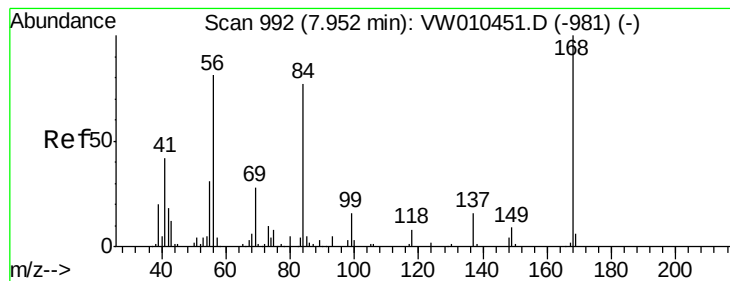
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

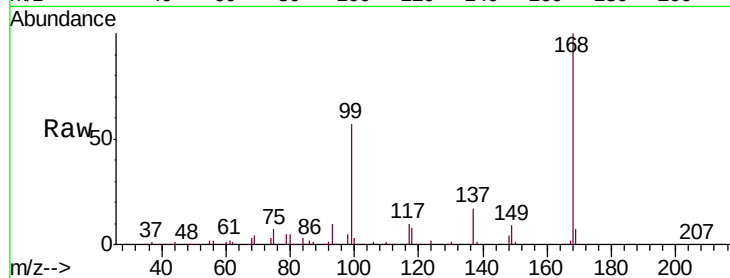
APPLE-TRACK

Tgt Ion:168 Resp: 163101

Ion Ratio Lower Upper

168 100

99 56.5 46.1 69.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

20000

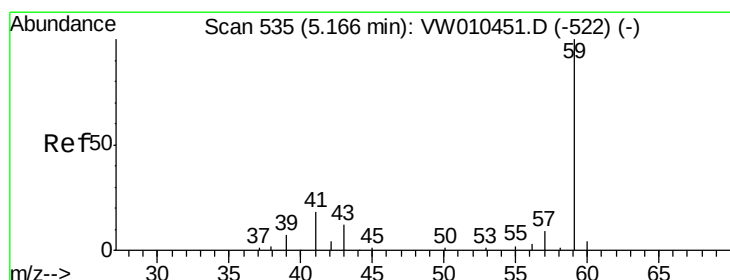
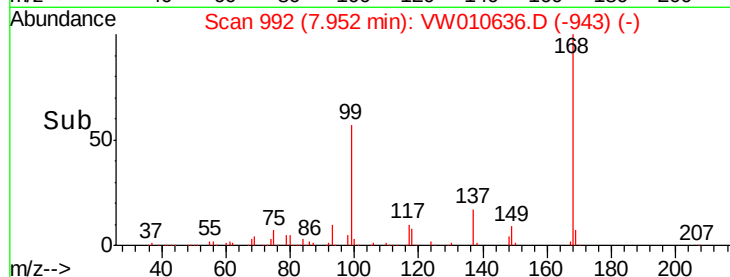
0

7.90

8.00

8.10

Time-->



#11

Tert butyl alcohol

Concen: 1.942 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW010636.D

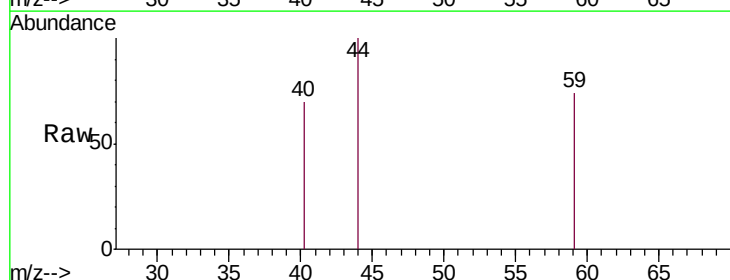
Acq: 31 May 2019 15:01

Tgt Ion: 59 Resp: 294

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

150

100

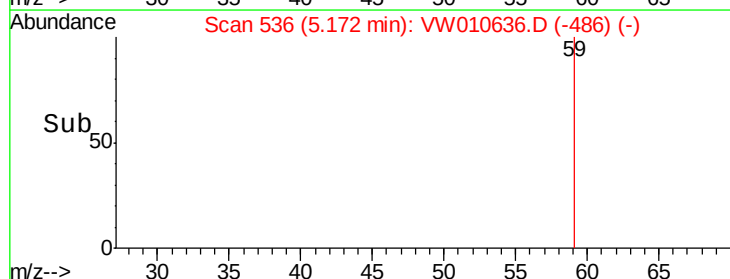
50

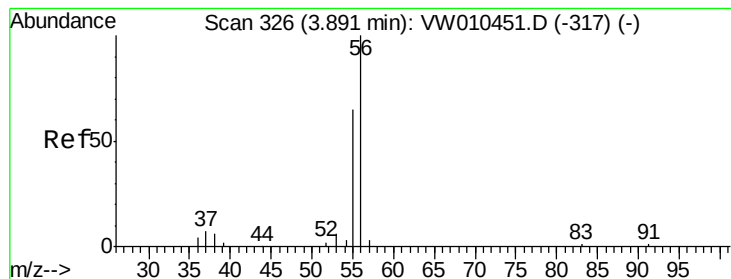
0

5.15

5.20

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

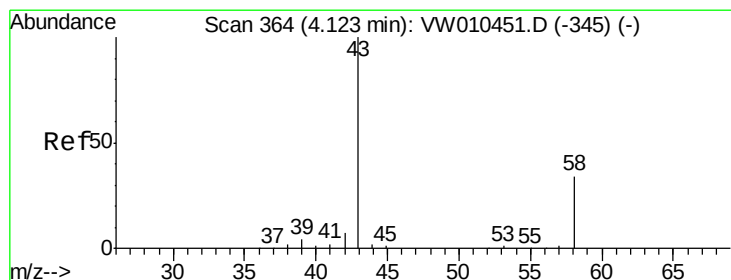
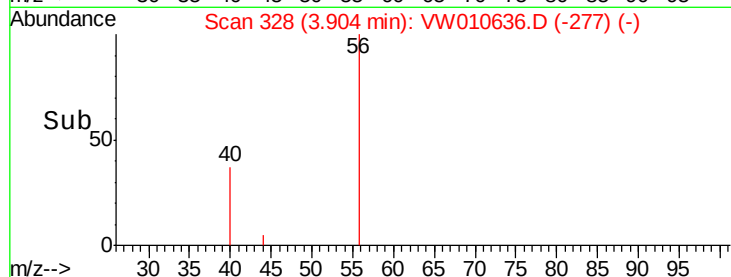
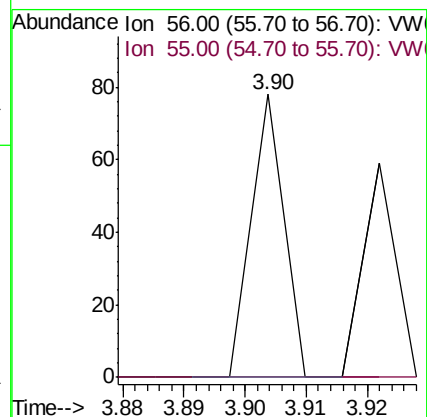
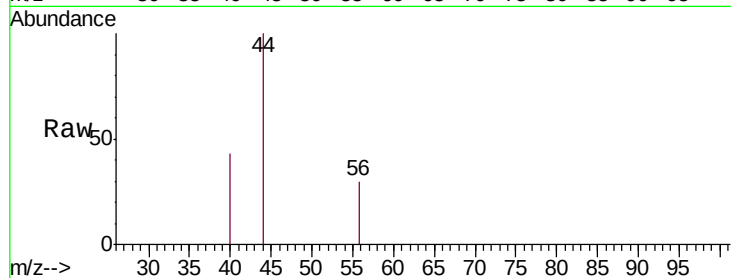
APPLE-TRACK

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 0.0 57.9 86.9#



#16

Acetone

Concen: 88.175 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010636.D

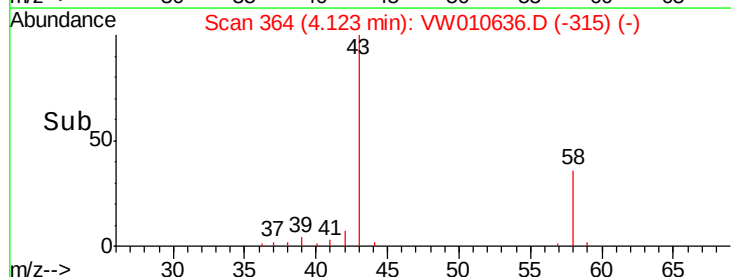
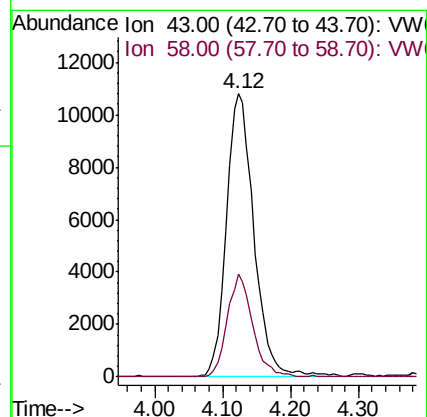
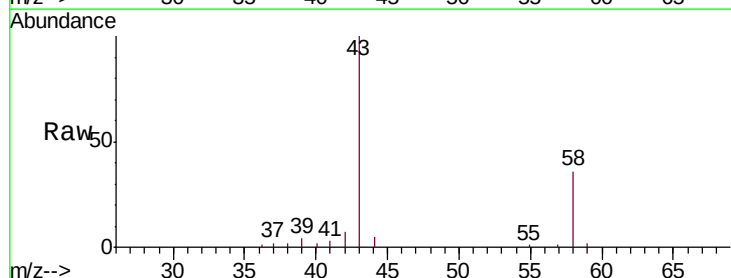
Acq: 31 May 2019 15:01

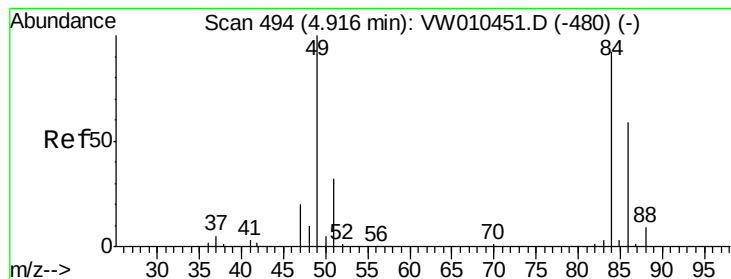
Tgt Ion: 43 Resp: 30300

Ion Ratio Lower Upper

43 100

58 36.4 27.0 40.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

APPLE-TRACK

Tgt Ion: 84 Resp: 5660

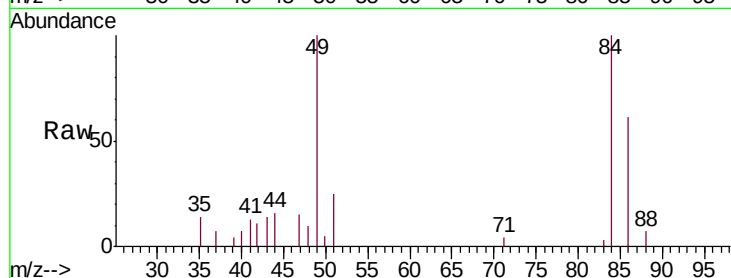
Ion Ratio Lower Upper

84 100

49 99.8 87.2 130.8

51 24.9 27.7 41.5#

86 60.9 51.4 77.0



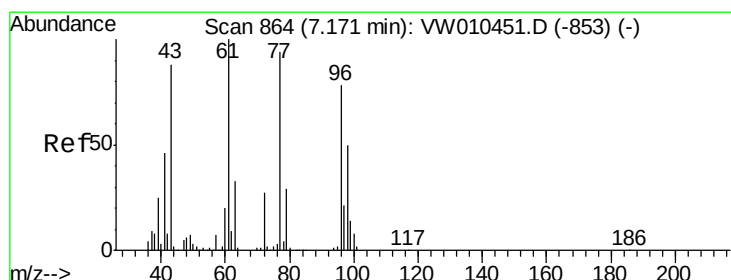
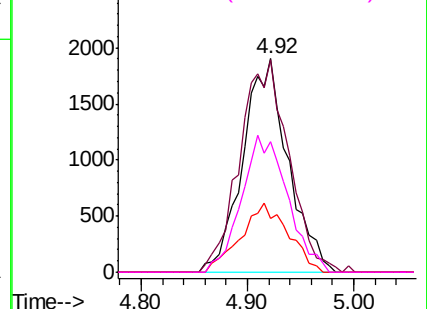
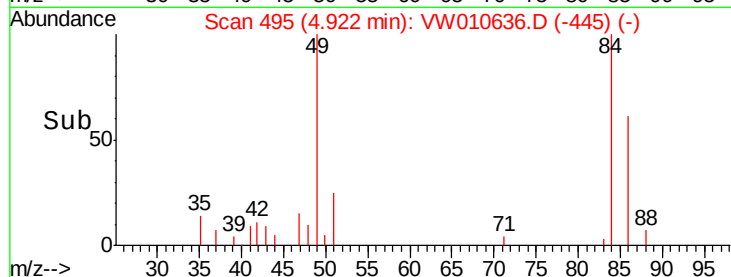
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 19.901 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010636.D

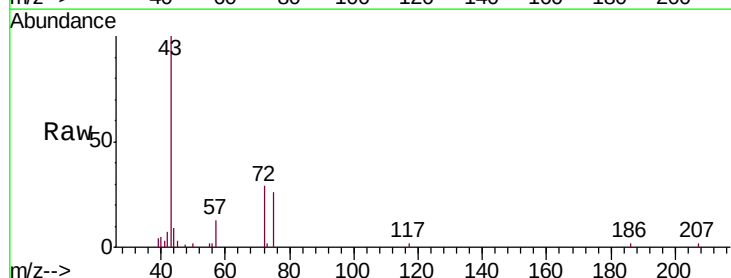
Acq: 31 May 2019 15:01

Tgt Ion: 43 Resp: 9787

Ion Ratio Lower Upper

43 100

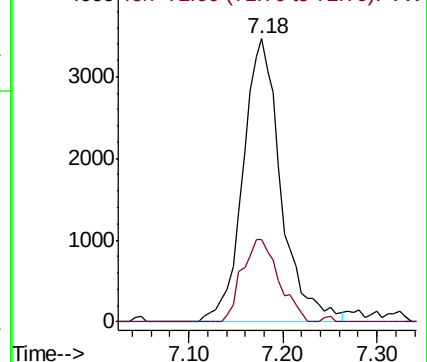
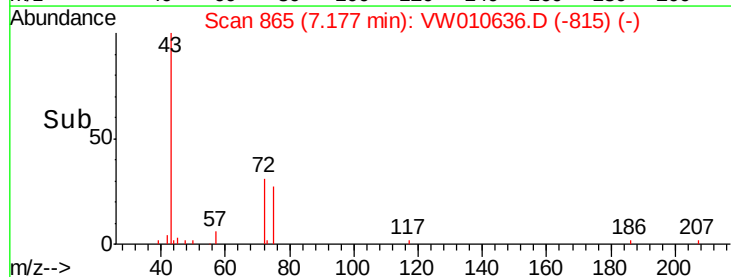
72 29.1 24.1 36.1

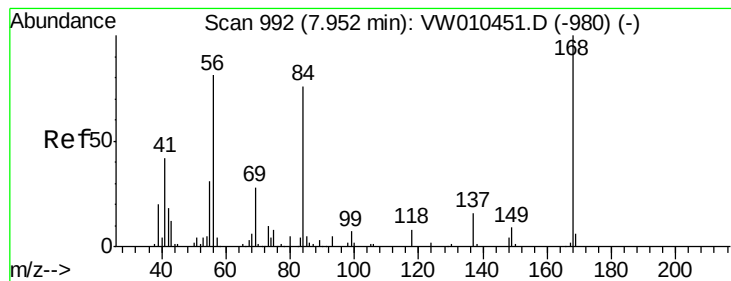


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.351 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

APPLE-TRACK

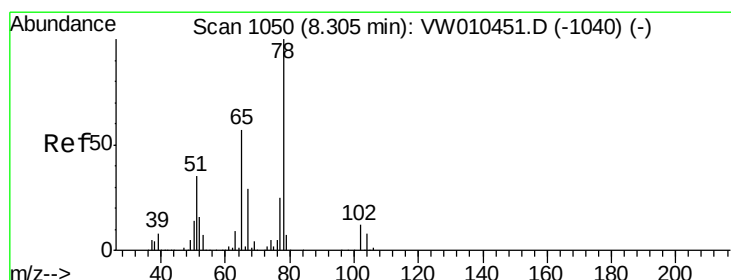
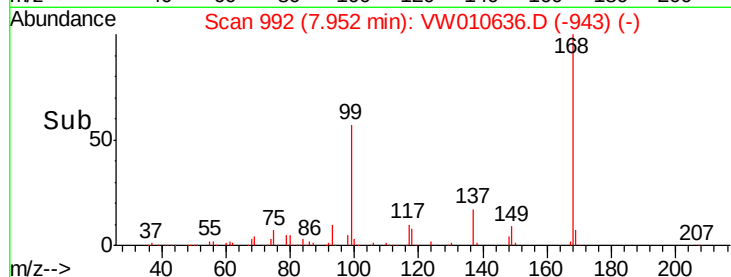
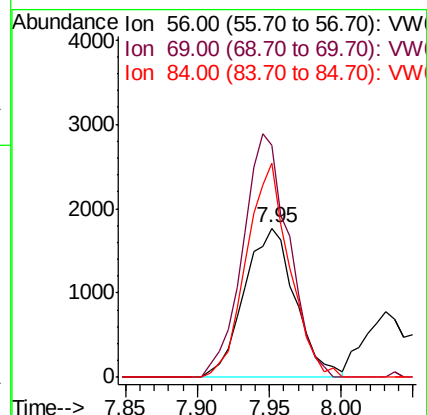
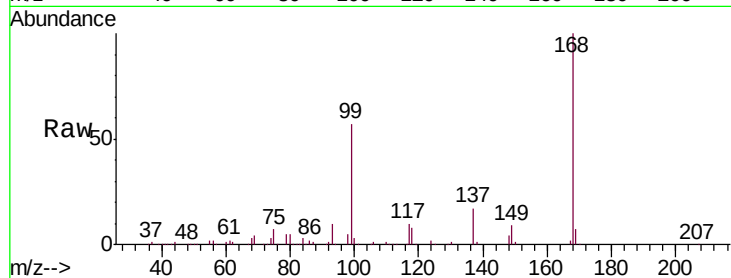
Tgt Ion: 56 Resp: 4318

Ion Ratio Lower Upper

56 100

69 155.4 28.2 42.2#

84 144.1 75.8 113.8#



#33

1,2-Dichloroethane-d4

Concen: 49.494 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010636.D

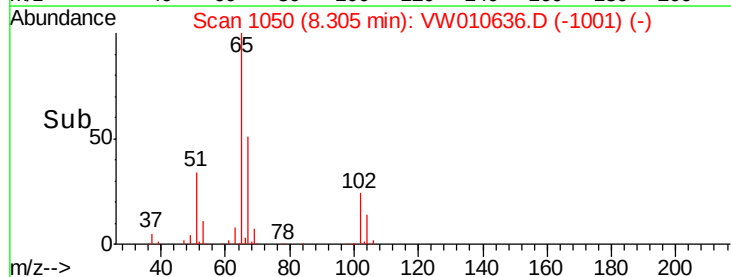
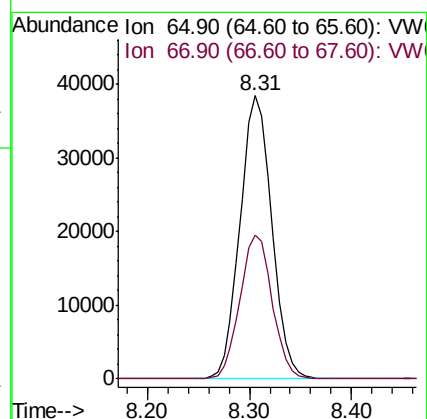
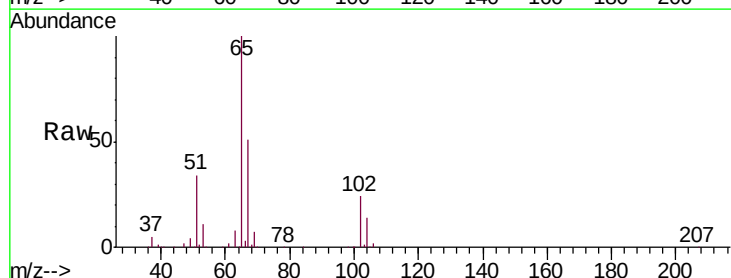
Acq: 31 May 2019 15:01

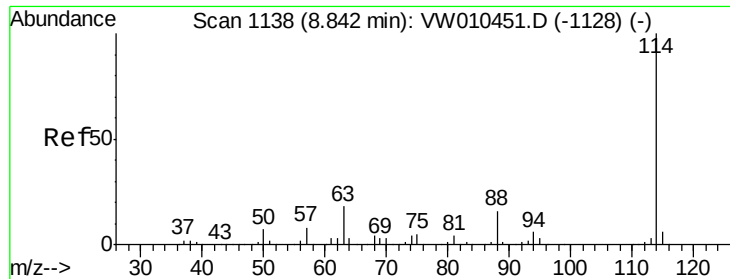
Tgt Ion: 65 Resp: 83322

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.6

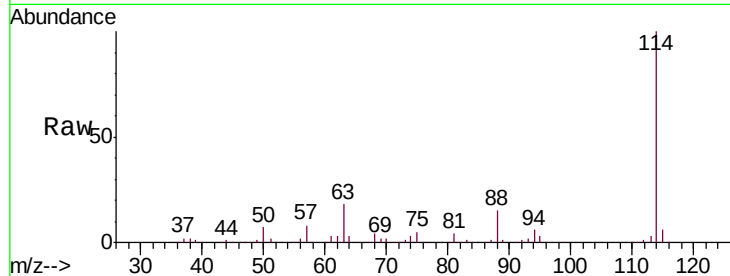




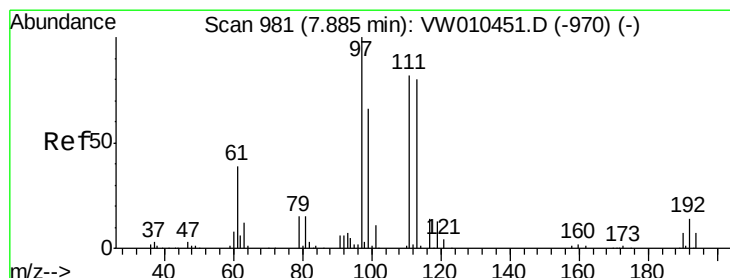
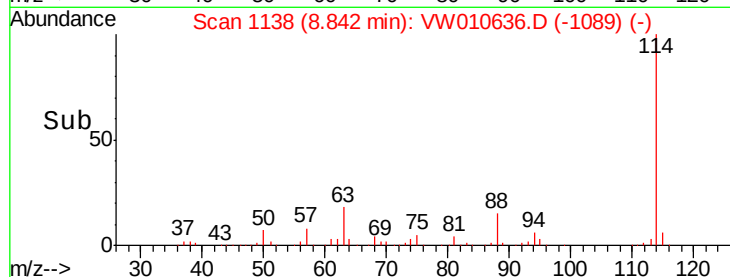
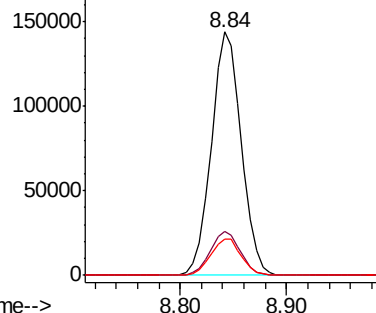
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
APPLE-TRACK

Tgt Ion:114 Resp: 283032
Ion Ratio Lower Upper
114 100
63 18.3 0.0 36.0
88 15.1 0.0 32.0

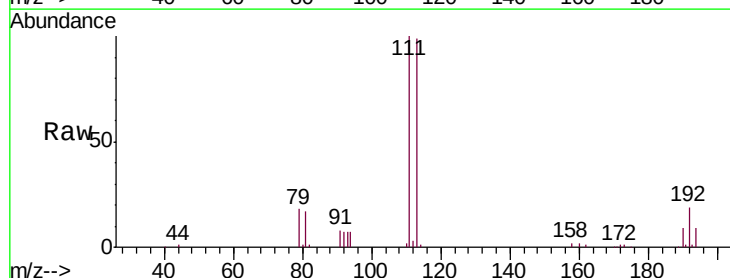


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

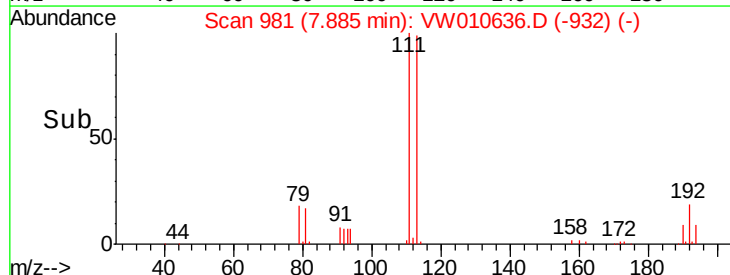
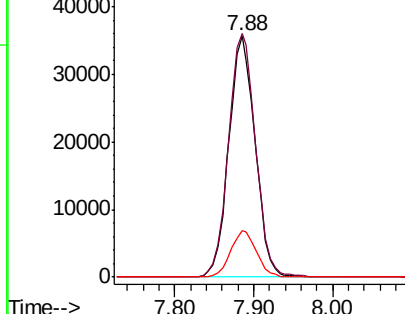


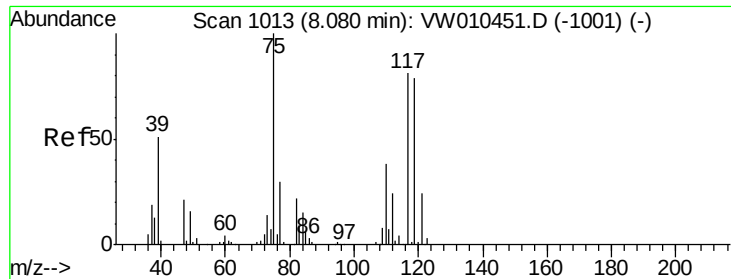
#35
Dibromofluoromethane
Concen: 48.160 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

Tgt Ion:113 Resp: 82709
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 18.9 14.3 21.5



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

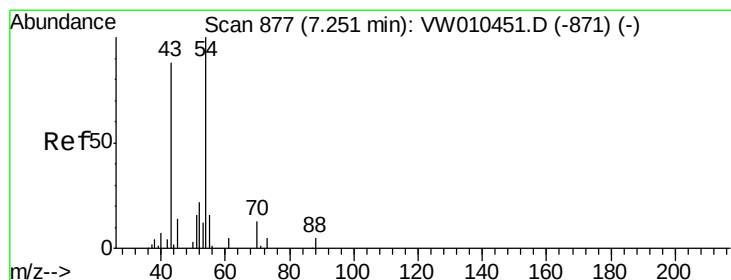
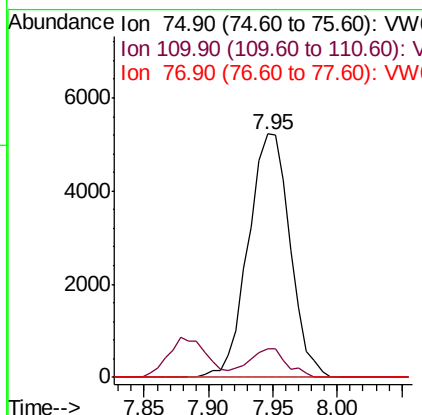
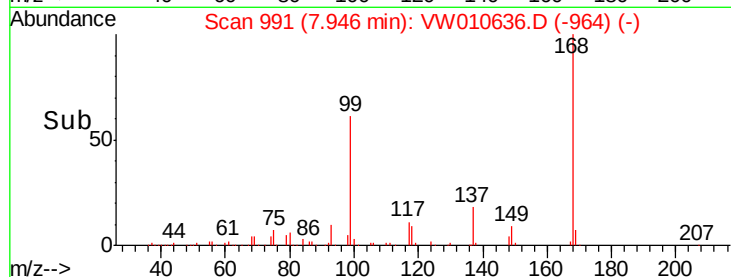
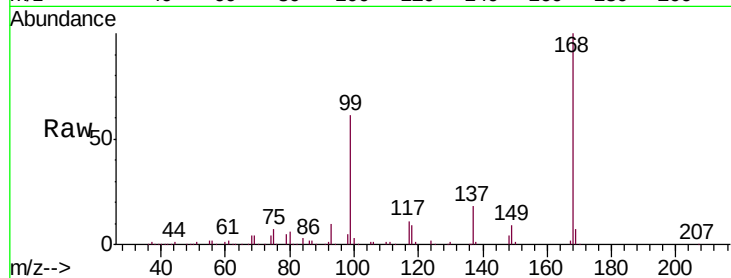




#36
 1,1-Dichloropropene
 Concen: 4.441 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010636.D
 Acq: 31 May 2019 15:01

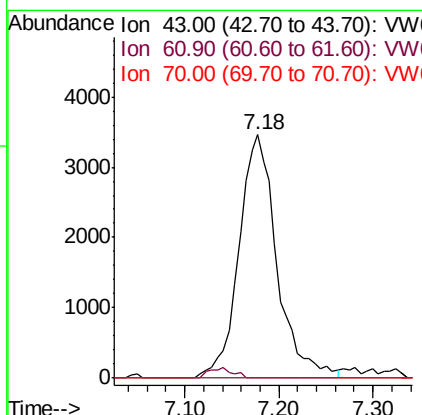
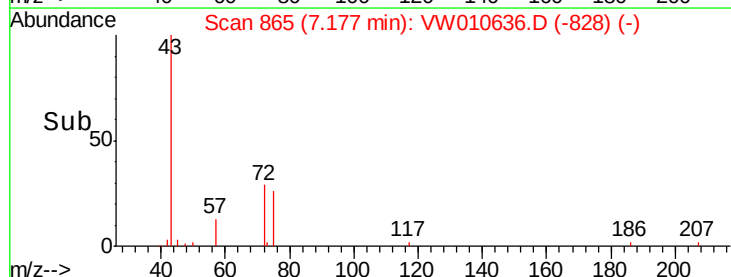
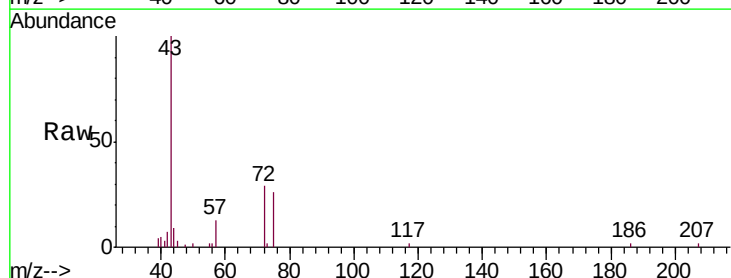
Instrument :
 MSVOA_W
 ClientSampleId :
 APPLE-TRACK

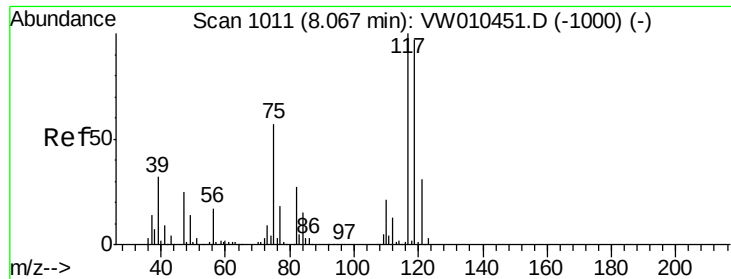
Tgt Ion: 75 Resp: 11709
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.2 57.6#
 77 0.0 25.2 37.8#



#37
 Ethyl Acetate
 Concen: 8.729 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.07 min
 Lab File: VW010636.D
 Acq: 31 May 2019 15:01

Tgt Ion: 43 Resp: 9787
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 9.9 14.9#

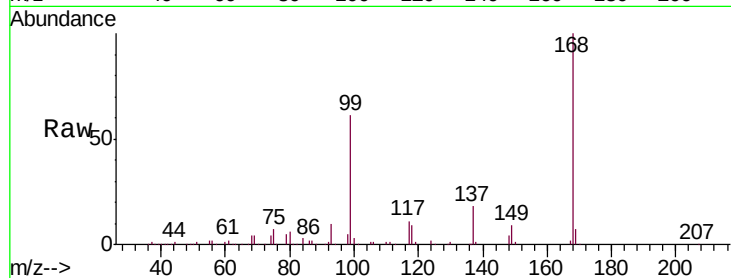




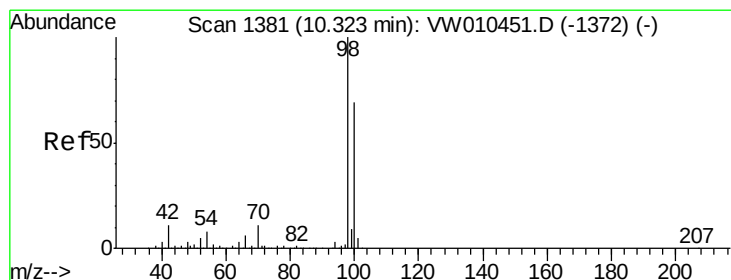
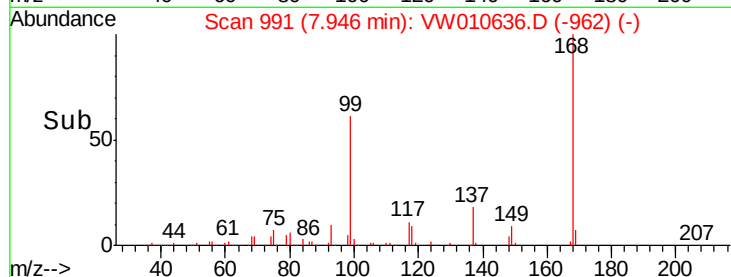
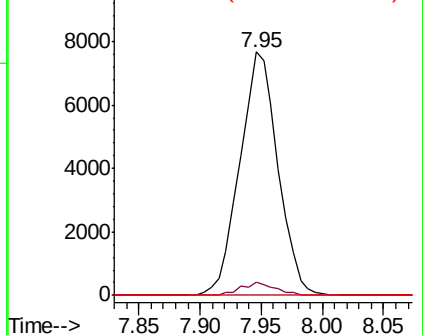
#38
Carbon Tetrachloride
Concen: 5.828 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
APPLE-TRACK

Tgt Ion:117 Resp: 16575
Ion Ratio Lower Upper
117 100
119 5.5 77.4 116.0#
121 0.0 25.0 37.6#

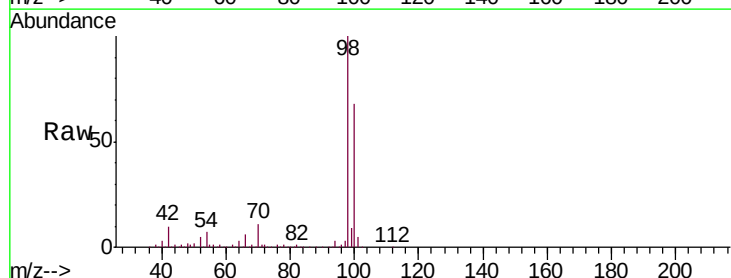


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

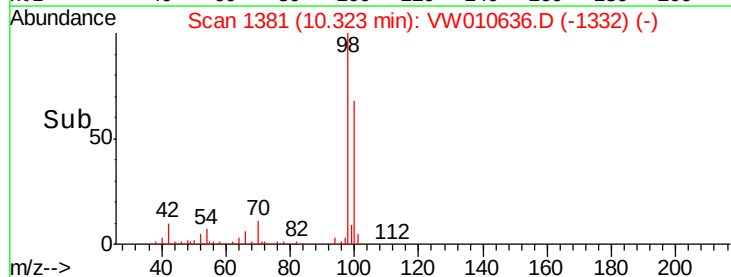
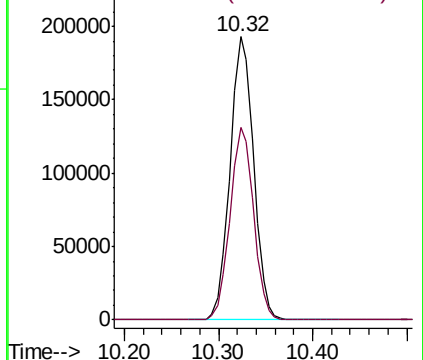


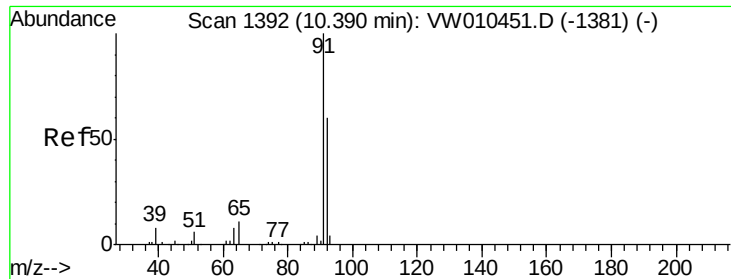
#50
Toluene-d8
Concen: 51.090 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

Tgt Ion: 98 Resp: 335189
Ion Ratio Lower Upper
98 100
100 68.0 53.7 80.5



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





#52

Toluene

Concen: 1.018 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

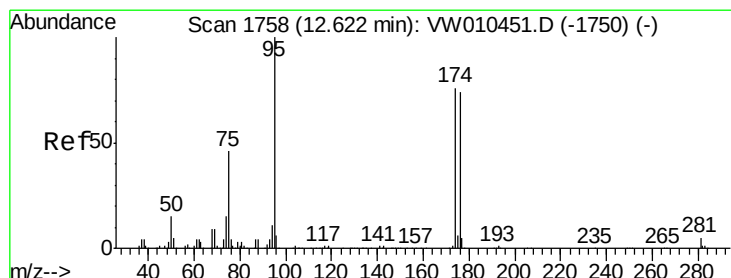
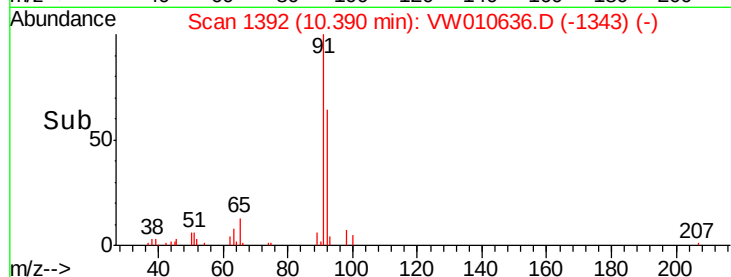
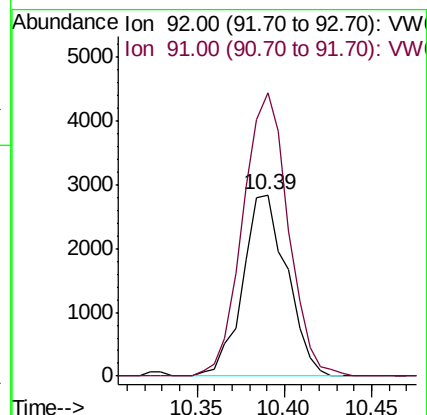
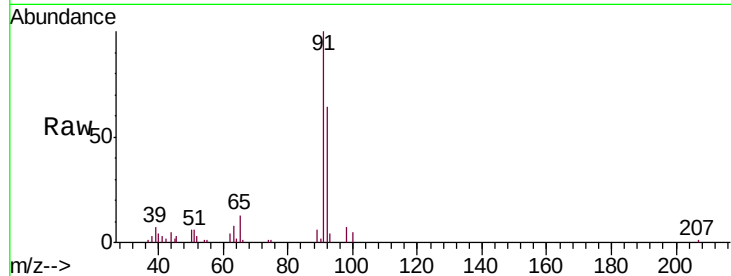
APPLE-TRACK

Tgt Ion: 92 Resp: 5011

Ion Ratio Lower Upper

92 100

91 160.6 135.4 203.0



#62

4-Bromofluorobenzene

Concen: 40.343 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

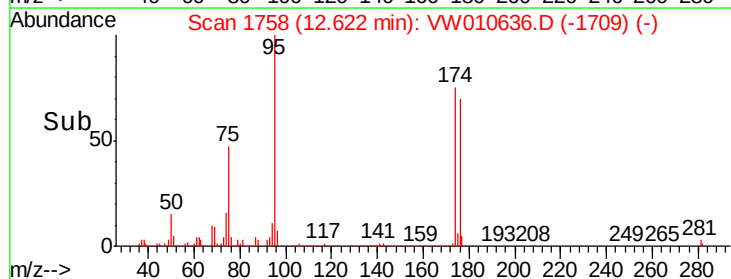
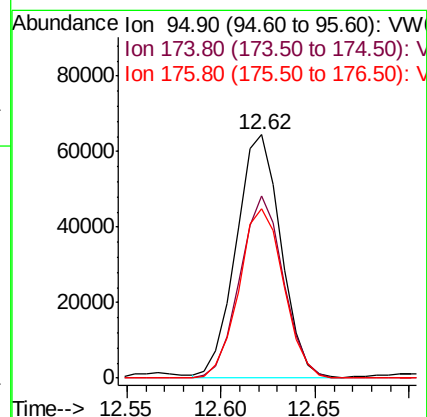
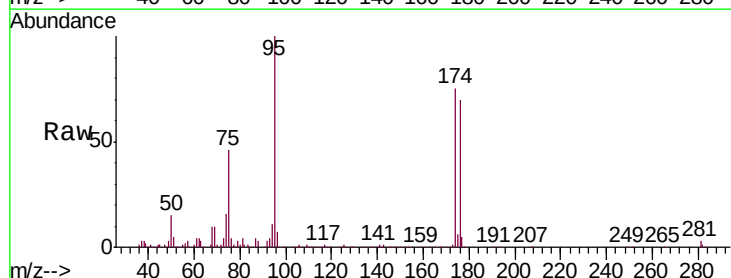
Tgt Ion: 95 Resp: 105428

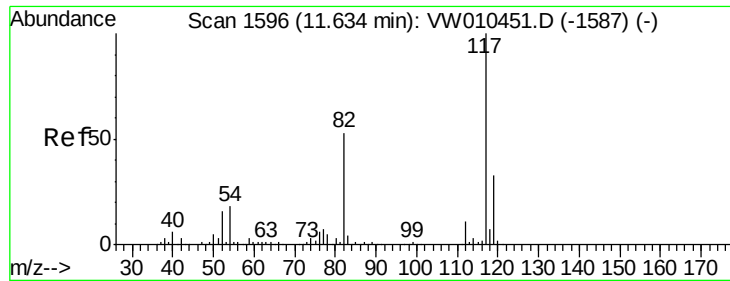
Ion Ratio Lower Upper

95 100

174 73.3 0.0 148.6

176 69.9 0.0 144.2

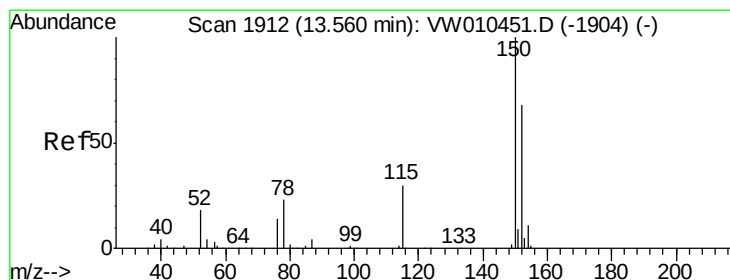
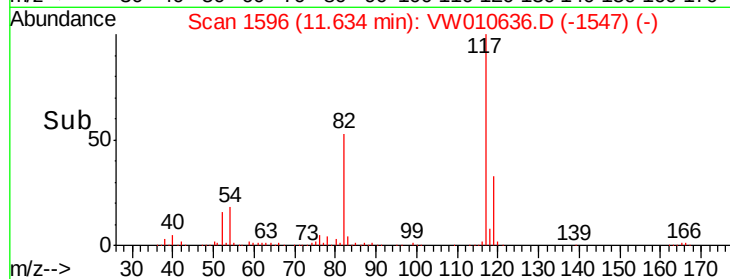
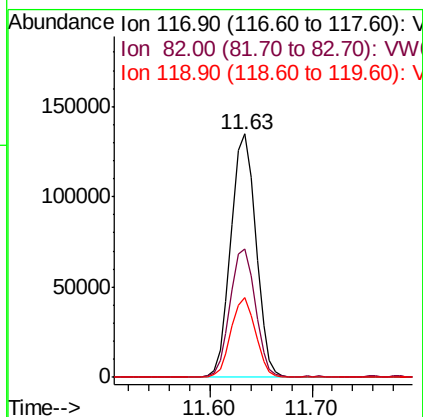
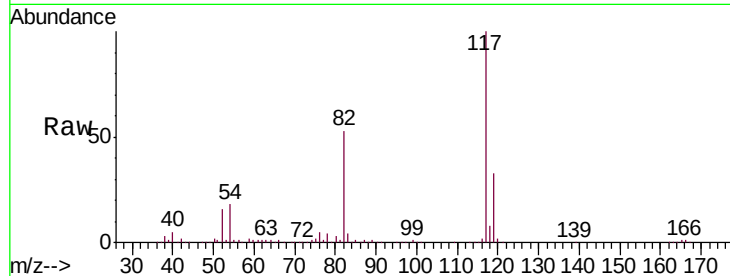




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

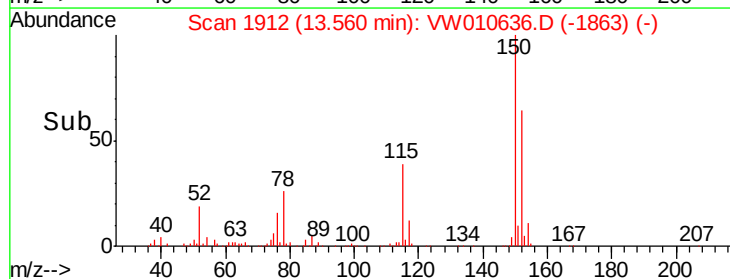
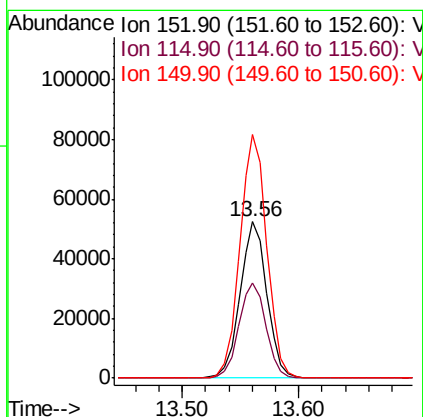
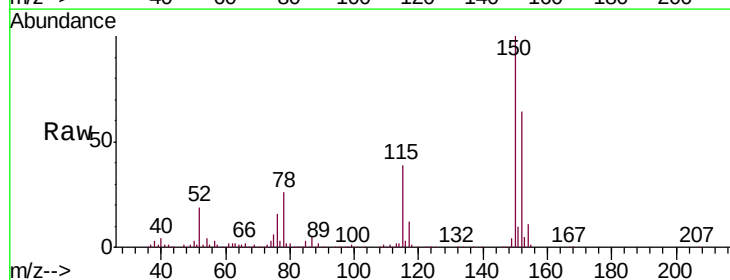
Instrument :
MSVOA_W
ClientSampleId :
APPLE-TRACK

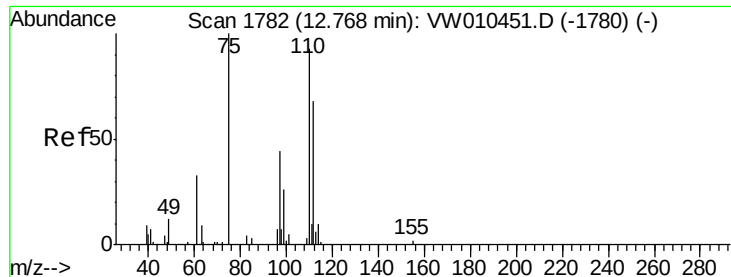
Tgt Ion:117 Resp: 228895
Ion Ratio Lower Upper
117 100
82 52.4 42.8 64.2
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

Tgt Ion:152 Resp: 83238
Ion Ratio Lower Upper
152 100
115 61.4 30.3 91.0
150 157.0 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 58.129 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

Instrument :

MSVOA_W

ClientSampleId :

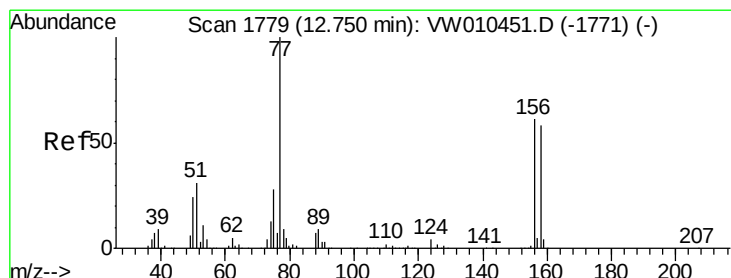
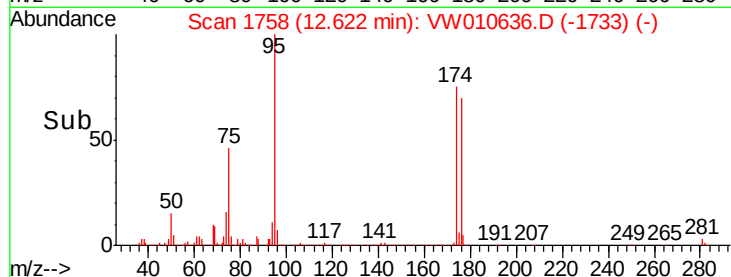
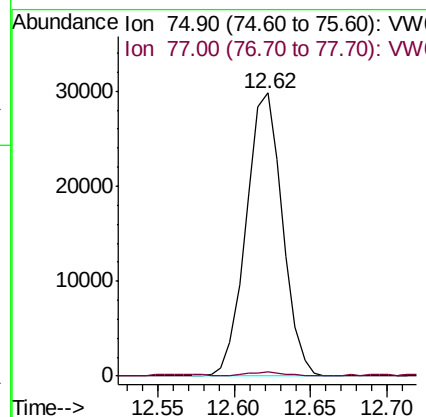
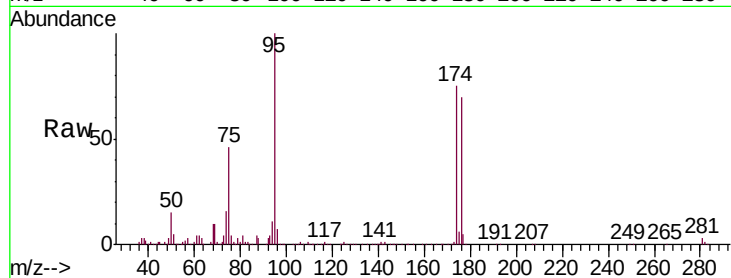
APPLE-TRACK

Tgt Ion: 75 Resp: 49114

Ion Ratio Lower Upper

75 100

77 1.7 170.0 510.1#



#77

Bromobenzene

Concen: 2.282 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.13 min

Lab File: VW010636.D

Acq: 31 May 2019 15:01

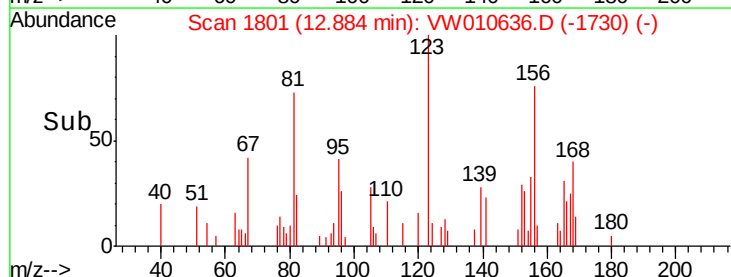
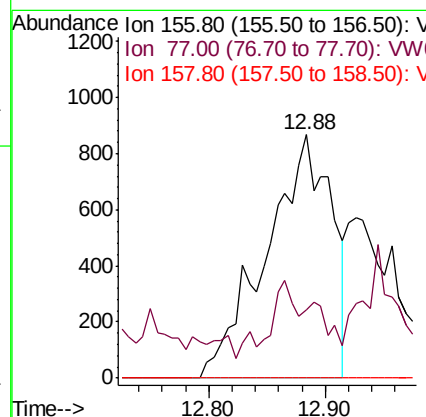
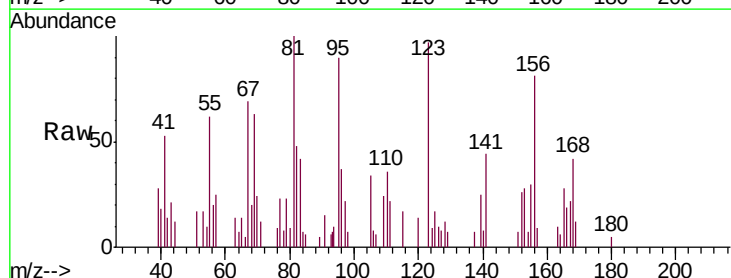
Tgt Ion: 156 Resp: 3373

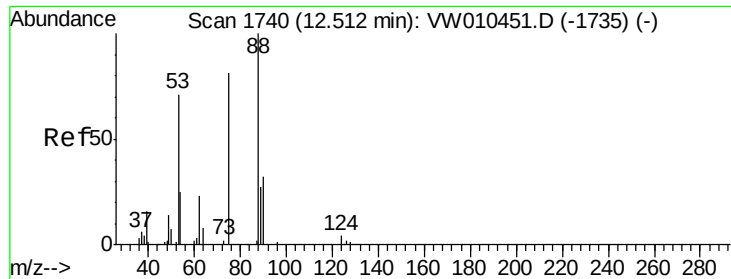
Ion Ratio Lower Upper

156 100

77 8.3 92.4 277.2#

158 0.0 48.3 144.8#

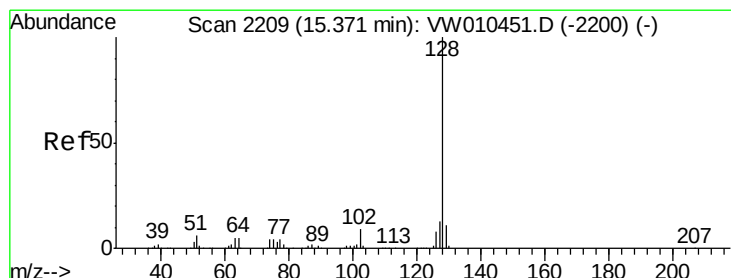
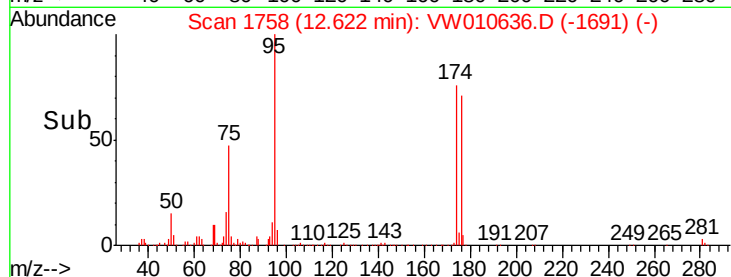
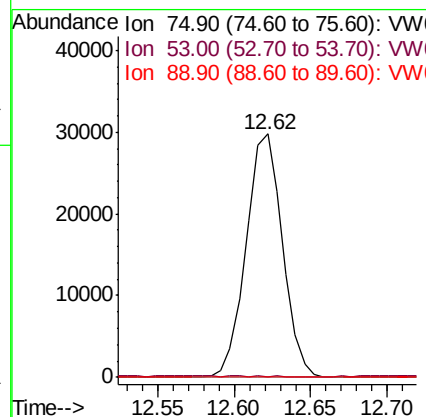
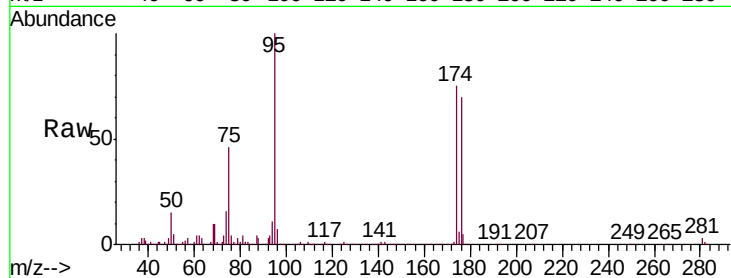




#81
trans-1,4-Dichloro-2-butene
Concen: 121.316 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

Instrument :
MSVOA_W
ClientSampleId :
APPLE-TRACK

Tgt Ion: 75 Resp: 49114
Ion Ratio Lower Upper
75 100
53 0.0 69.8 104.8#
89 0.1 39.5 59.3#



#95
Naphthalene
Concen: 14.018 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010636.D
Acq: 31 May 2019 15:01

Tgt Ion: 128 Resp: 52904
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.1 8.9 13.3

