

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD110118\
 Data File : VD060264.D
 Acq On : 1 Nov 2018 16:06
 Operator : VA/AP
 Sample : J5759-05
 Misc : 6.37g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Nov 01 17:42:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

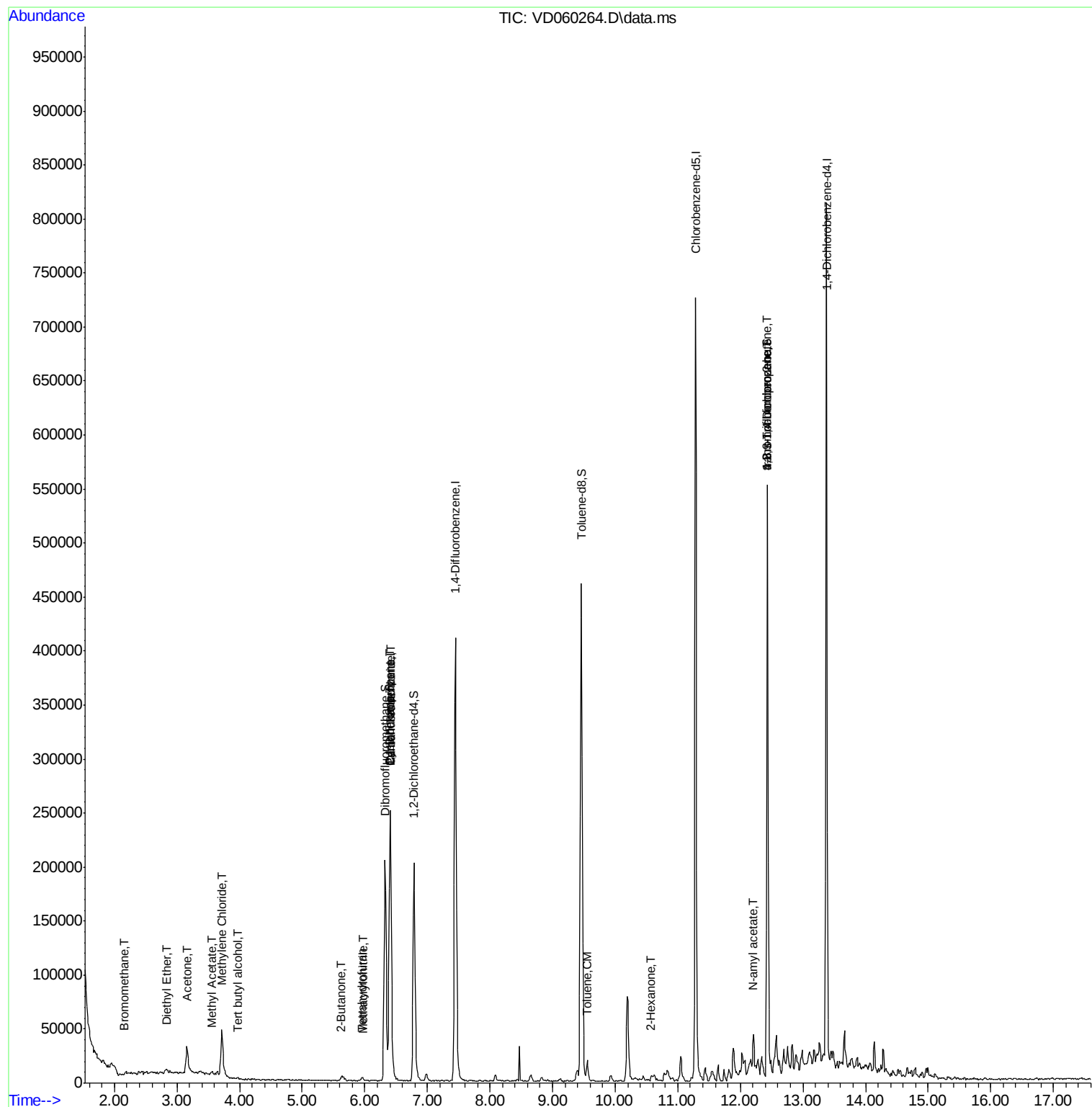
Internal Standards							
1) Pentafluorobenzene	6.413	168	256389	50.00	ug/l	0.03	
34) 1,4-Difluorobenzene	7.446	114	423523	50.00	ug/l	0.03	
63) Chlorobenzene-d5	11.284	117	386643	50.00	ug/l	0.02	
72) 1,4-Dichlorobenzene-d4	13.380	152	207443	50.00	ug/l	0.02	
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	6.787	65	161175	82.93	ug/l	0.03	
Spiked Amount	50.000		Recovery	=	165.86%		
35) Dibromofluoromethane	6.324	113	160010	49.75	ug/l	0.03	
Spiked Amount	50.000		Recovery	=	99.50%		
50) Toluene-d8	9.463	98	380224	41.46	ug/l	0.03	
Spiked Amount	50.000		Recovery	=	82.92%		
62) 4-Bromofluorobenzene	12.425	95	166861	48.59	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	97.18%		
Target Compounds							
							Qvalue
5) Bromomethane	2.151	94	254	1.14	ug/l	#	1
8) Diethyl Ether	2.830	74	1415	3.23	ug/l		96
11) Tert butyl alcohol	3.962	59	660	4.74	ug/l	#	74
16) Acetone	3.155	43	45850	130.02	ug/l		99
18) Methyl Acetate	3.559	43	5606	7.40	ug/l	#	63
20) Methylene Chloride	3.716	84	24422	4.92	ug/l		96
25) 2-Butanone	5.625	43	6230	7.07	ug/l	#	88
29) Tetrahydrofuran	5.960	42	3101	6.06	ug/l	#	55
31) Cyclohexane	6.403	56	4804	1.14	ug/l	#	1
36) 1,1-Dichloropropene	6.403	75	17781	4.39	ug/l	#	44
38) Carbon Tetrachloride	6.413	117	19431	5.29	ug/l	#	15
41) Methacrylonitrile	5.970	41	1617	1.06	ug/l	#	44
52) Toluene	9.552	92	8584	1.26	ug/l		92
59) 2-Hexanone	10.575	43	2832	1.77	ug/l	#	30
74) N-amyl acetate	12.209	43	18219	3.63	ug/l	#	58
76) 1,2,3-Trichloropropane	12.425	75	66239	22.17	ug/l	#	46
81) trans-1,4-Dichloro-2-b...	12.425	75	66714	79.48	ug/l	#	13

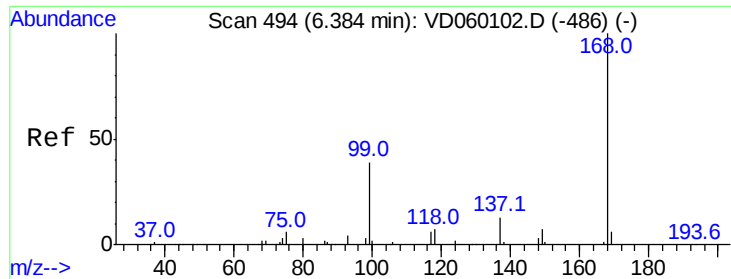
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 01 17:42:16 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.413 min Scan# 49

Delta R.T. 0.028 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

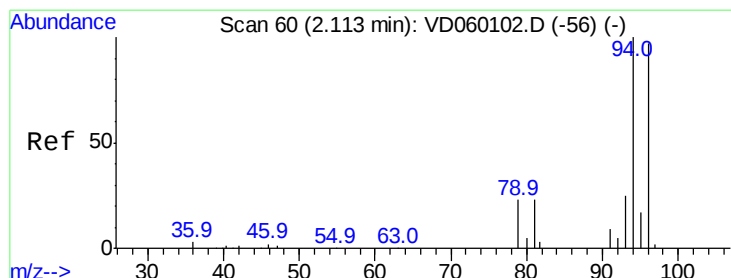
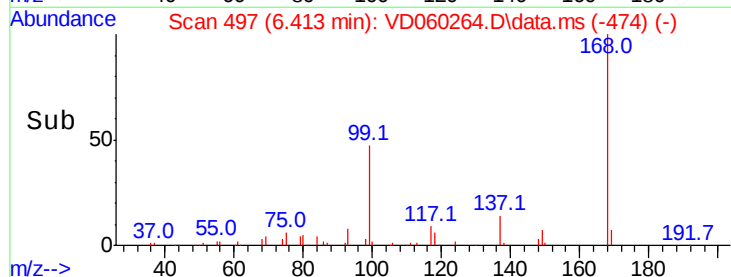
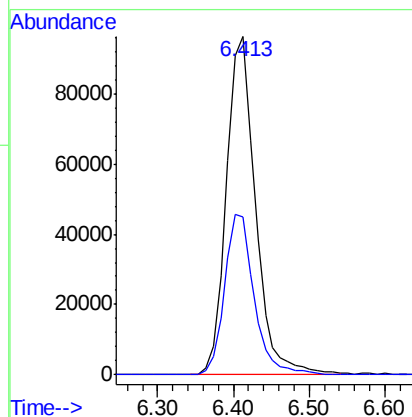
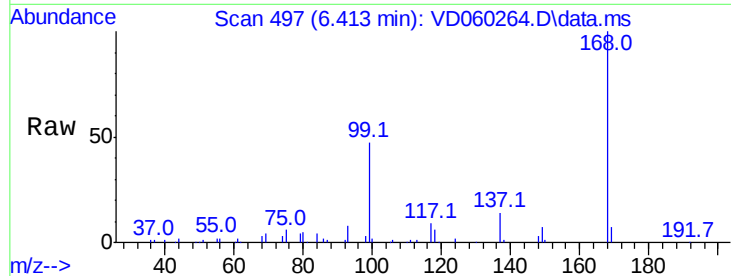
TP-2

Tot Ion:168 Resp: 256389

Ion Ratio Lower Upper

168 100

99 46.7 35.4 53.0



#5

Bromomethane

Concen: 1.14 ug/l

RT: 2.151 min Scan# 64

Delta R.T. 0.038 min

Lab File: VD060264.D

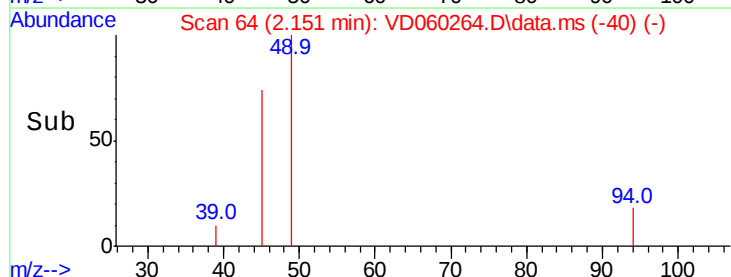
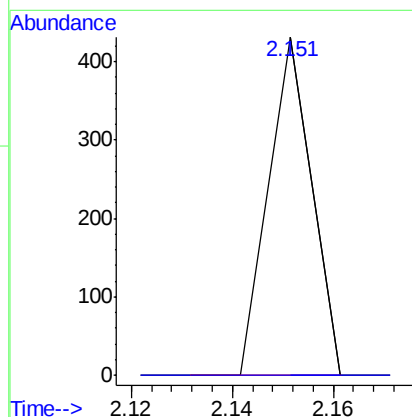
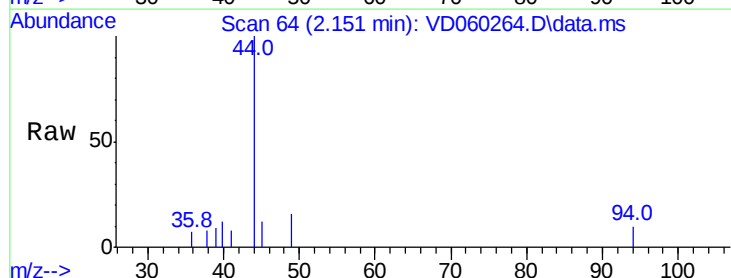
Acq: 1 Nov 2018 16:06

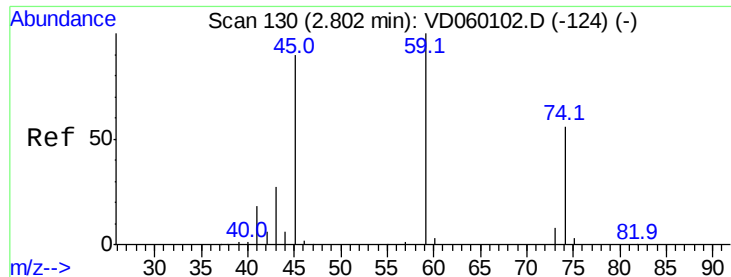
Tgt Ion: 94 Resp: 254

Ion Ratio Lower Upper

94 100

96 0.0 77.4 116.2#





#8

Diethyl Ether

Concen: 3.23 ug/l

RT: 2.830 min Scan# 13

Delta R.T. 0.028 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

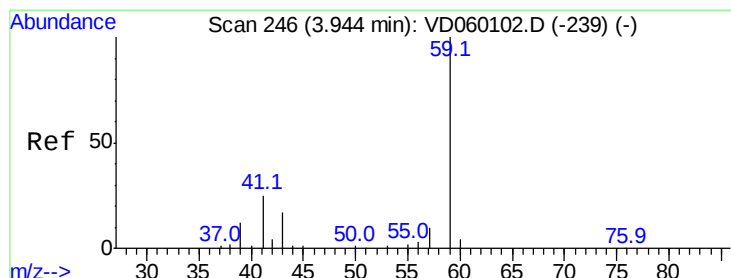
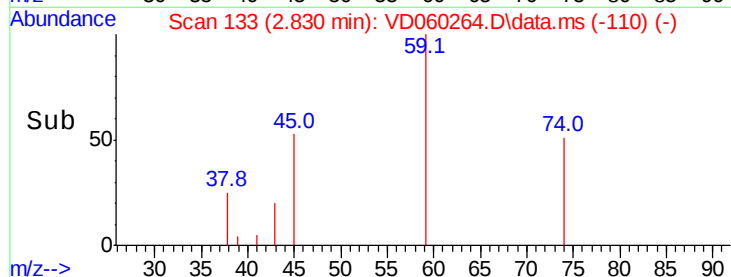
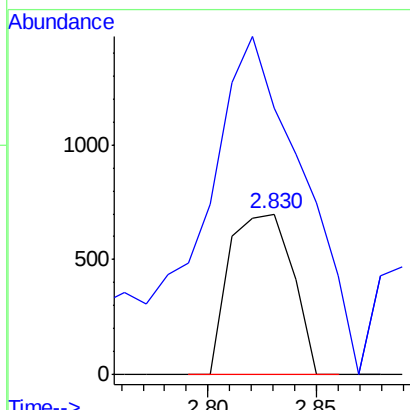
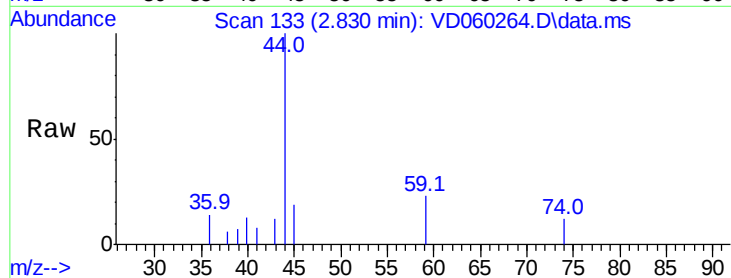
TP-2

Tot Ion: 74 Resp: 1415

Ion Ratio Lower Upper

74 100

45 165.6 80.3 241.0



#11

Tert butyl alcohol

Concen: 4.74 ug/l

RT: 3.962 min Scan# 248

Delta R.T. 0.018 min

Lab File: VD060264.D

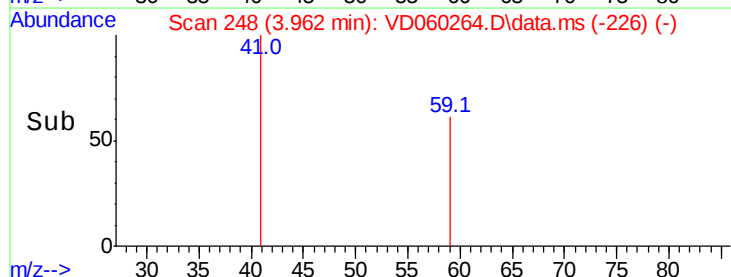
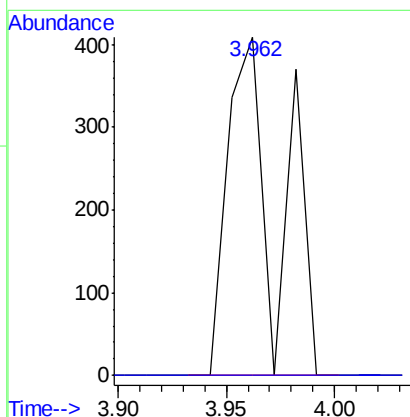
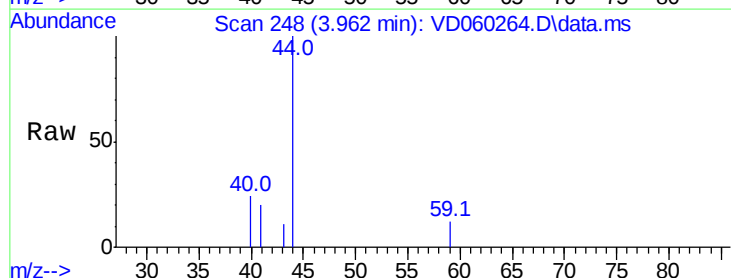
Acq: 1 Nov 2018 16:06

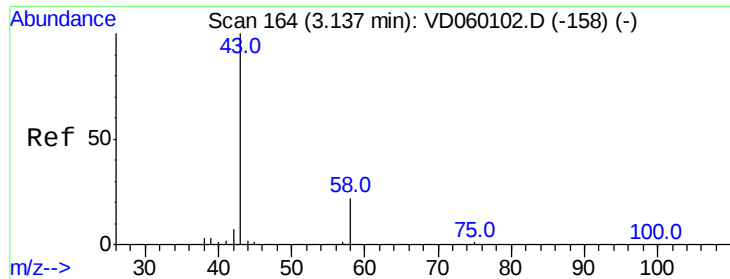
Tgt Ion: 59 Resp: 660

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#16

Acetone

Concen: 130.02 ug/l

RT: 3.155 min Scan# 16

Delta R.T. 0.018 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampled :

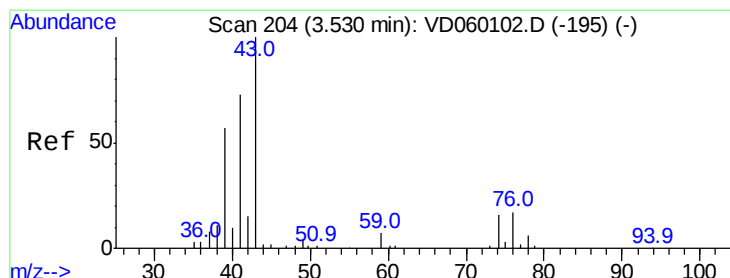
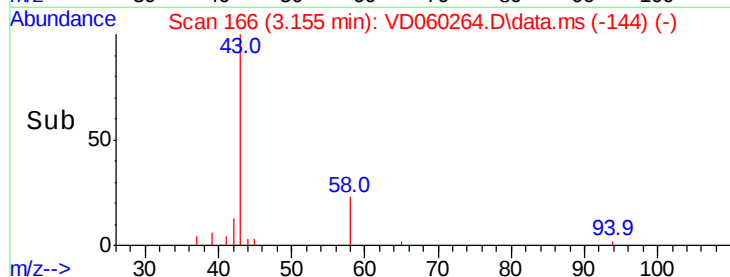
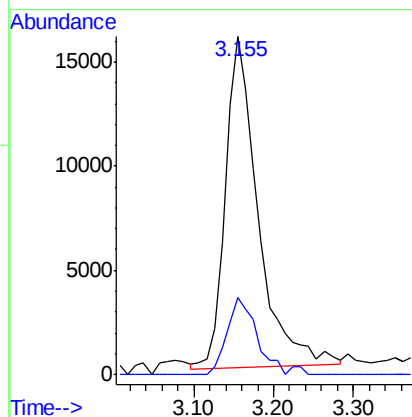
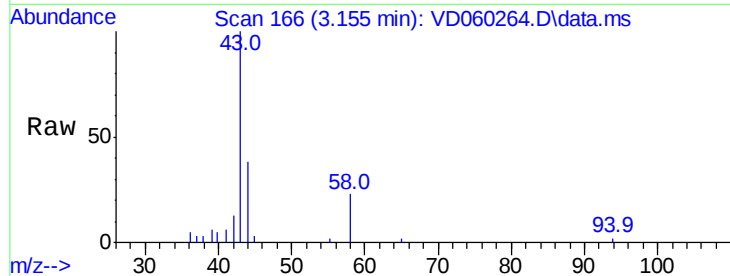
TP-2

Tot Ion: 43 Resp: 45850

Ion Ratio Lower Upper

43 100

58 22.6 17.7 26.5



#18

Methyl Acetate

Concen: 7.40 ug/l

RT: 3.559 min Scan# 207

Delta R.T. 0.028 min

Lab File: VD060264.D

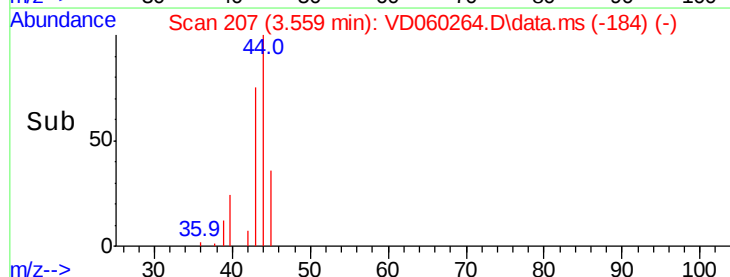
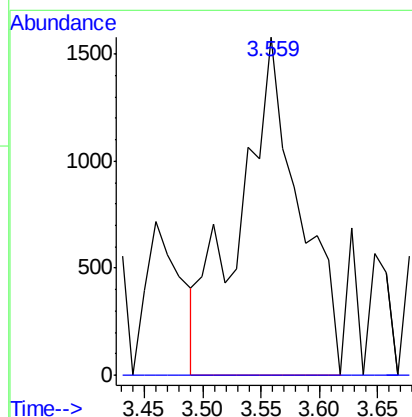
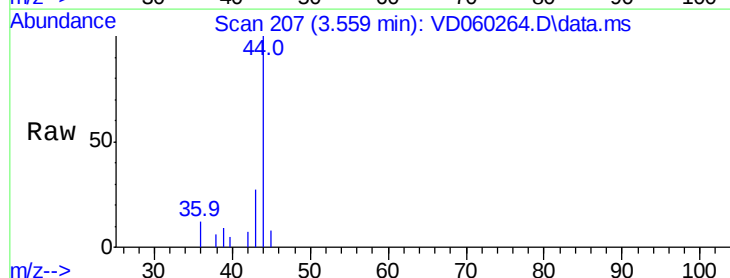
Acq: 1 Nov 2018 16:06

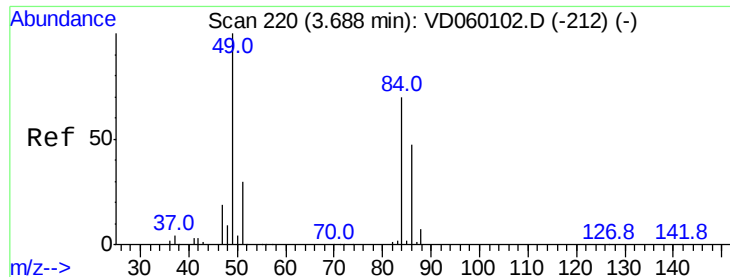
Tgt Ion: 43 Resp: 5606

Ion Ratio Lower Upper

43 100

74 0.0 12.6 19.0#

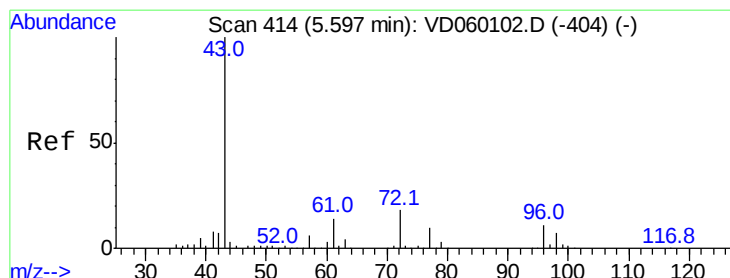
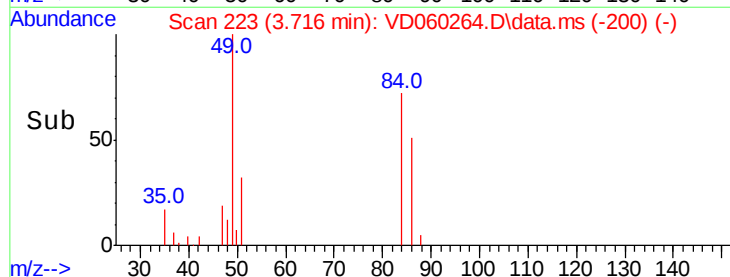
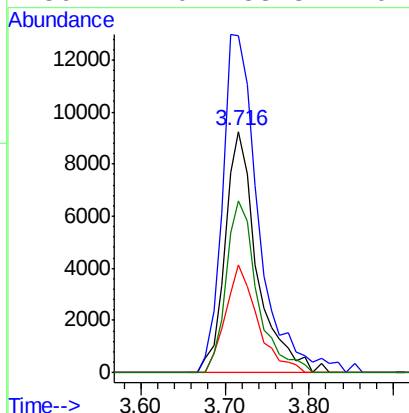
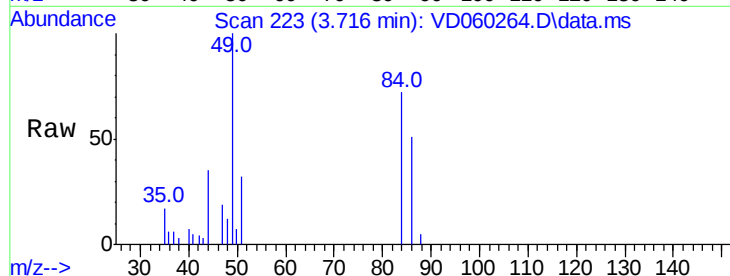




#20
Methvlene Chloride
Concen: 4.92 ug/l
RT: 3.716 min Scan# 22
Delta R.T. 0.029 min
Lab File: VD060264.D
Acq: 1 Nov 2018 16:06

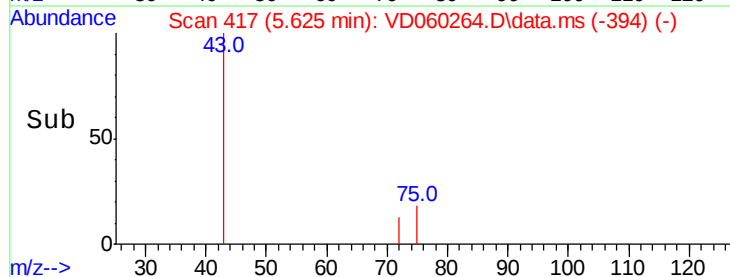
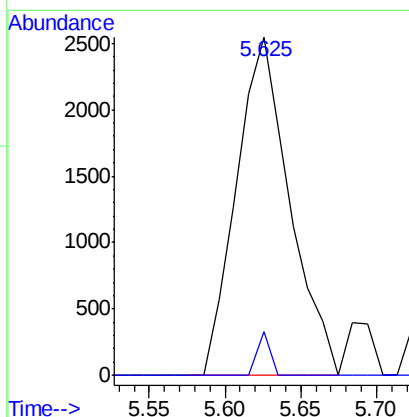
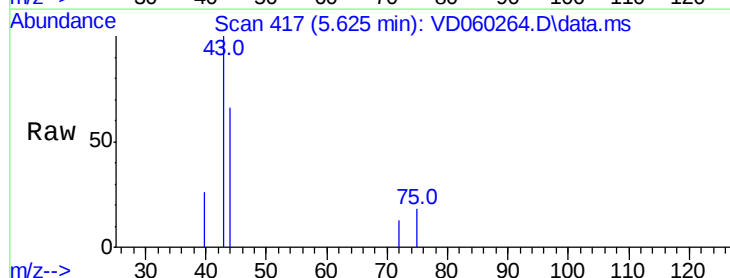
Instrument :
MSVOA_D
ClientSampled :
TP-2

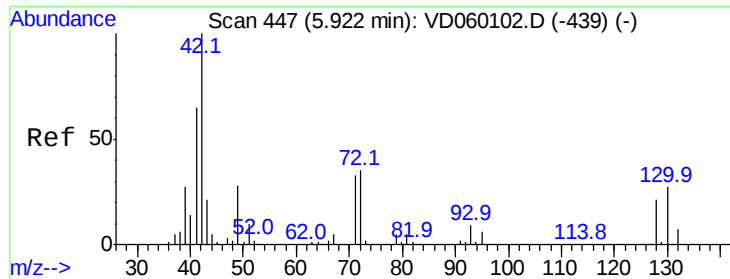
Tot Ion: 84 Resp: 24422
Ion Ratio Lower Upper
84 100
49 139.5 114.6 172.0
51 44.8 33.8 50.8
86 71.0 53.3 79.9



#25
2-Butanone
Concen: 7.07 ug/l
RT: 5.625 min Scan# 417
Delta R.T. 0.028 min
Lab File: VD060264.D
Acq: 1 Nov 2018 16:06

Tgt Ion: 43 Resp: 6230
Ion Ratio Lower Upper
43 100
72 13.0 14.5 21.7#





#29

Tetrahydrofuran

Concen: 6.06 ug/l

RT: 5.960 min Scan# 451

Delta R.T. 0.038 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampled :

TP-2

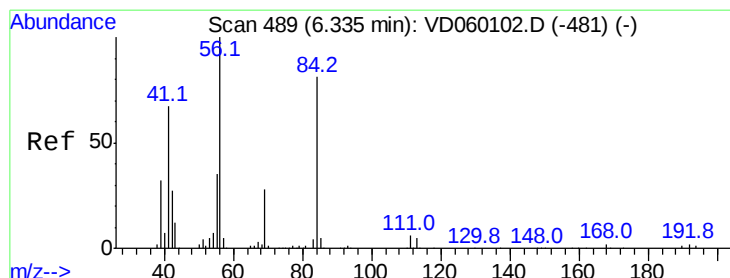
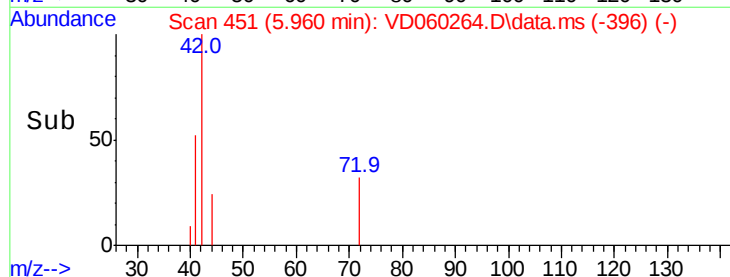
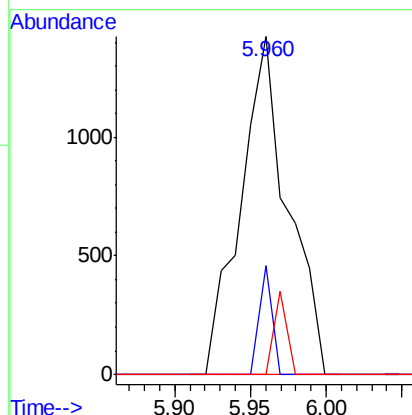
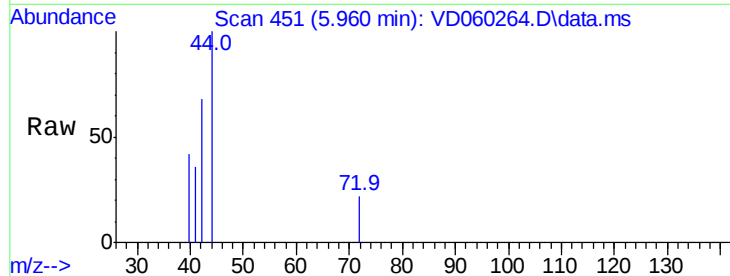
Tot Ion: 42 Resp: 3101

Ion Ratio Lower Upper

42 100

72 8.8 26.9 40.3#

71 6.7 26.7 40.1#



#31

Cyclohexane

Concen: 1.14 ug/l

RT: 6.403 min Scan# 496

Delta R.T. 0.068 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

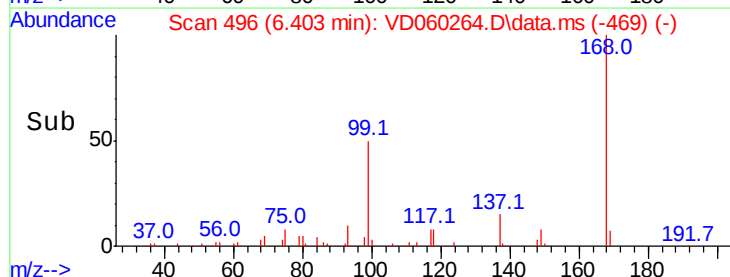
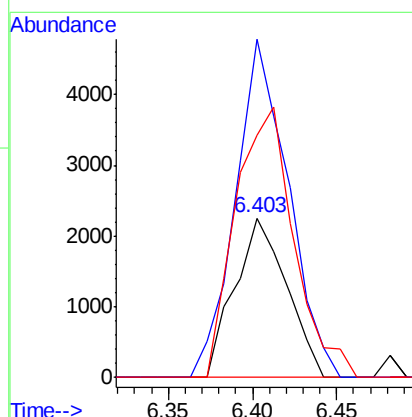
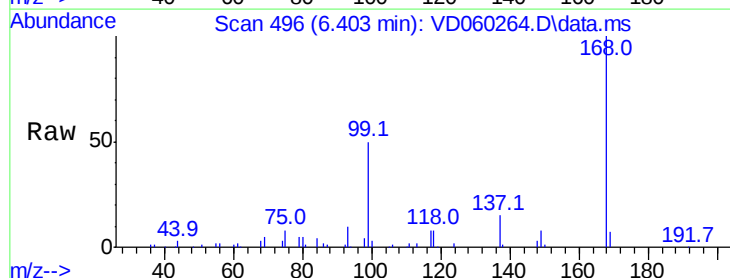
Tgt Ion: 56 Resp: 4804

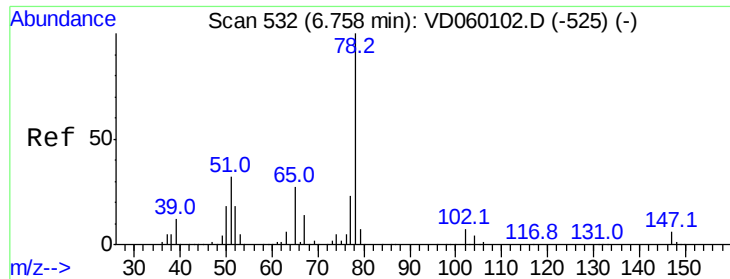
Ion Ratio Lower Upper

56 100

69 212.7 22.8 34.2#

84 152.0 64.9 97.3#

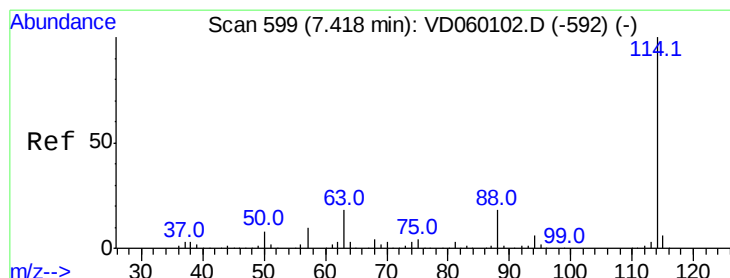
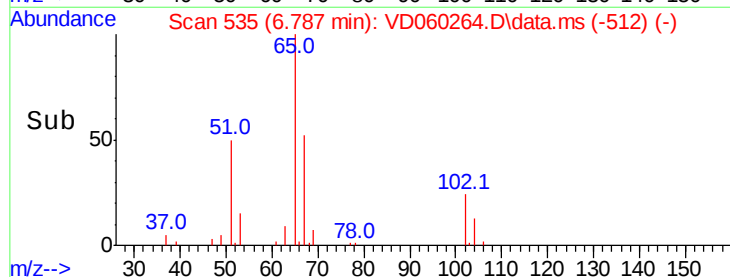
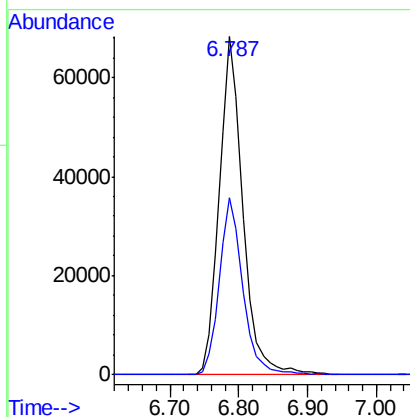
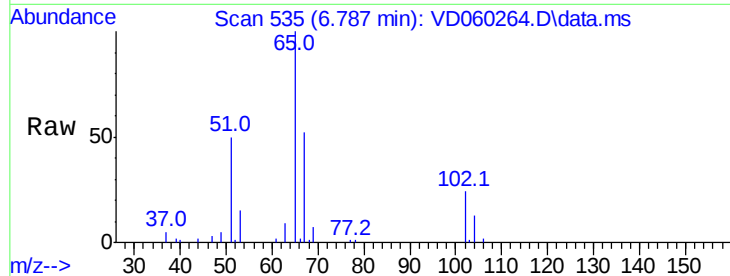




#33
 1,2-Dichloroethane-d4
 Concen: 82.93 ug/l
 RT: 6.787 min Scan# 531
 Delta R.T. 0.028 min
 Lab File: VD060264.D
 Acq: 1 Nov 2018 16:06

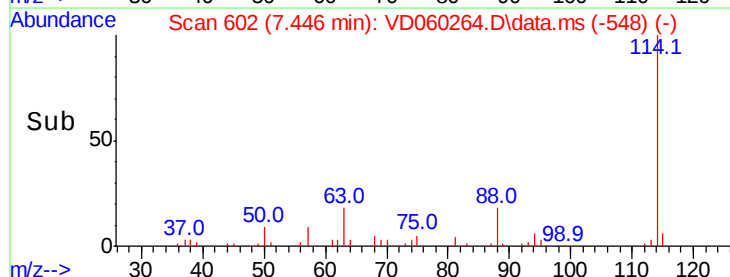
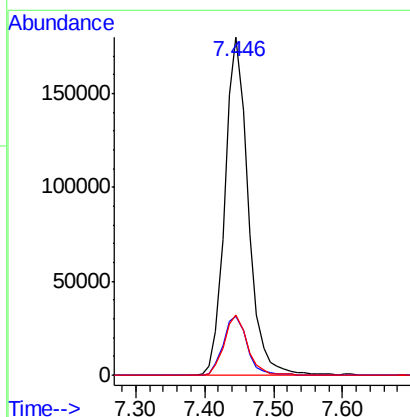
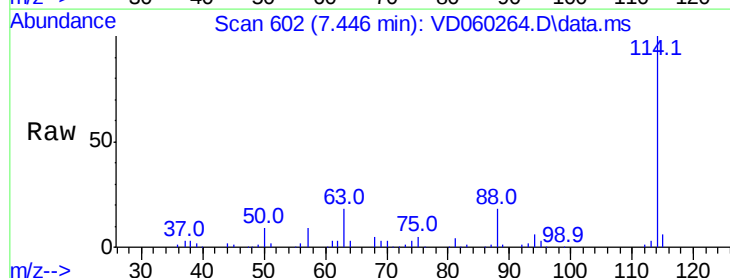
Instrument :
 MSVOA_D
 ClientSampled :
 TP-2

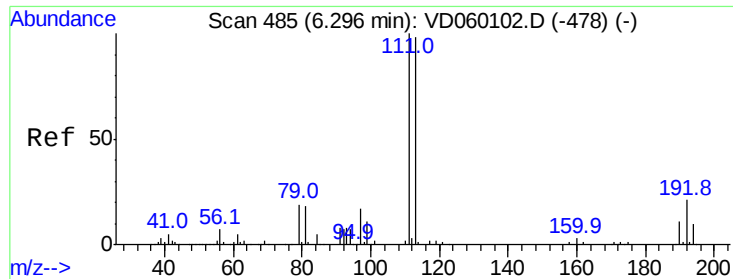
Tot Ion: 65 Resp: 161175
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.446 min Scan# 602
 Delta R.T. 0.028 min
 Lab File: VD060264.D
 Acq: 1 Nov 2018 16:06

Tgt Ion: 114 Resp: 423523
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 17.9 0.0 36.2

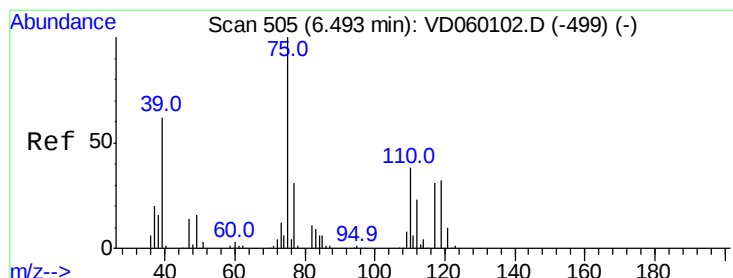
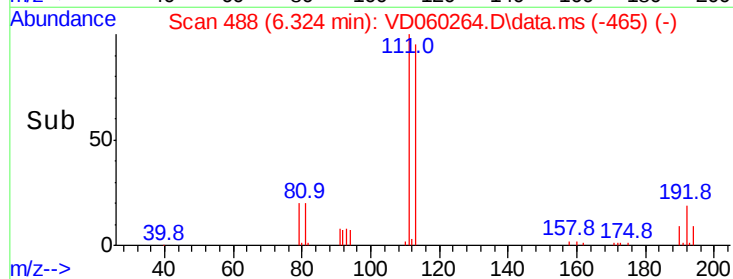
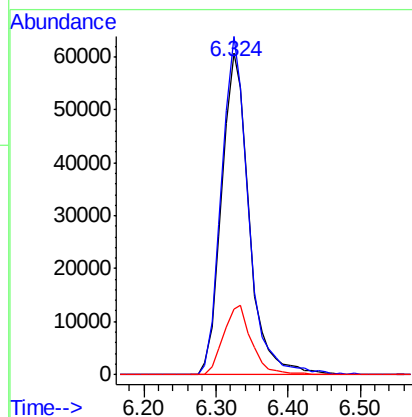
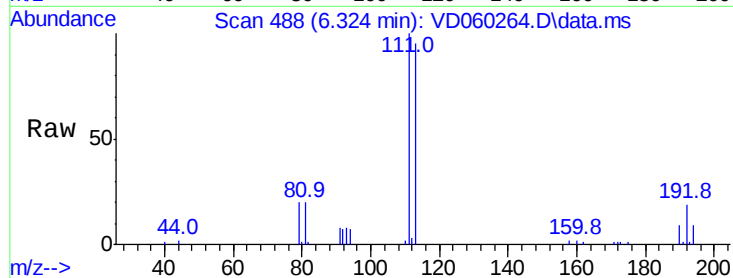




#35
 Dibromofluoromethane
 Concen: 49.75 ug/l
 RT: 6.324 min Scan# 48
 Delta R.T. 0.028 min
 Lab File: VD060264.D
 Acq: 1 Nov 2018 16:06

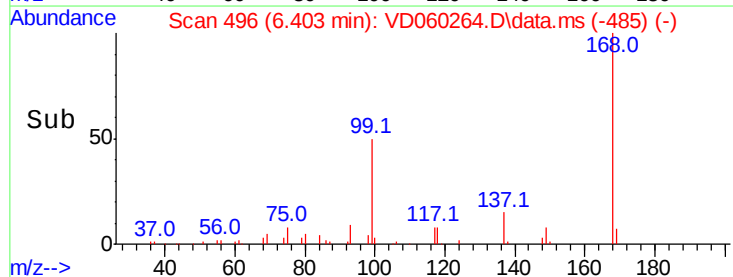
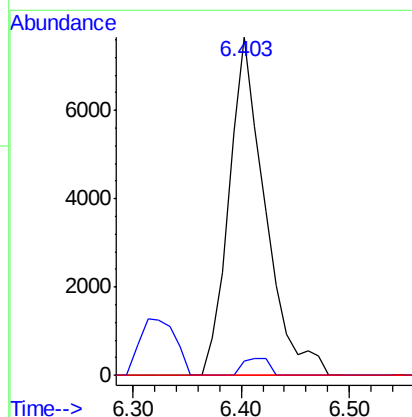
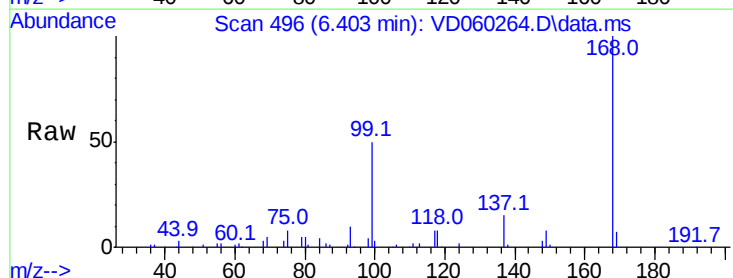
Instrument :
 MSVOA_D
 ClientSampled :
 TP-2

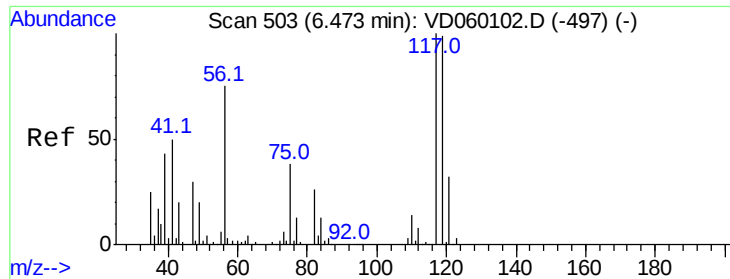
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.5	122.3
192	20.4	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.39 ug/l
 RT: 6.403 min Scan# 496
 Delta R.T. -0.090 min
 Lab File: VD060264.D
 Acq: 1 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.3	19.0	57.0#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 6.413 min Scan# 49

Delta R.T. -0.060 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampled :

TP-2

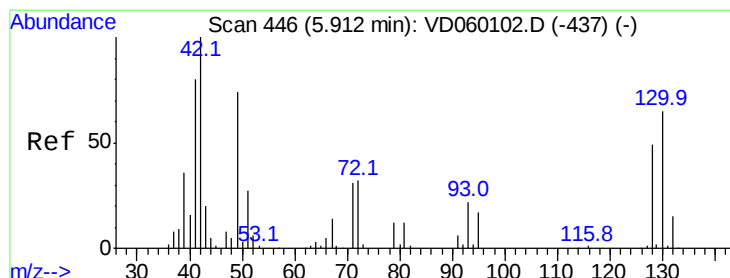
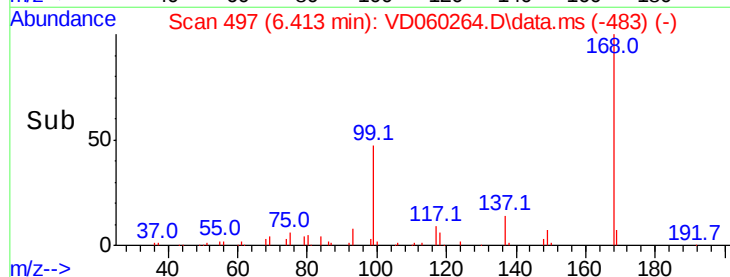
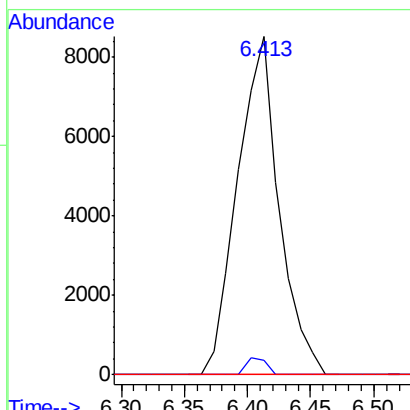
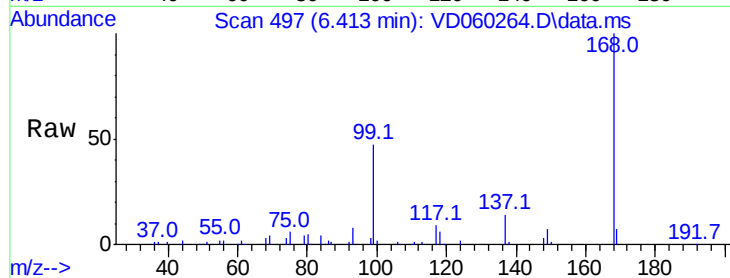
Tot Ion:117 Resp: 19431

Ion Ratio Lower Upper

117 100

119 4.0 77.8 116.6#

121 0.0 24.8 37.2#



#41

Methacrylonitrile

Concen: 1.06 ug/l

RT: 5.970 min Scan# 452

Delta R.T. 0.058 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Tgt Ion: 41 Resp: 1617

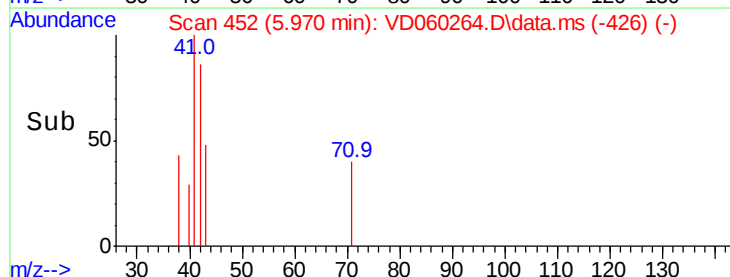
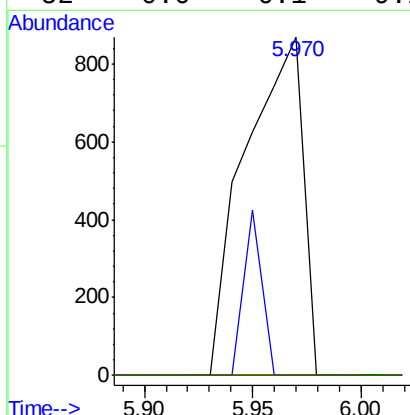
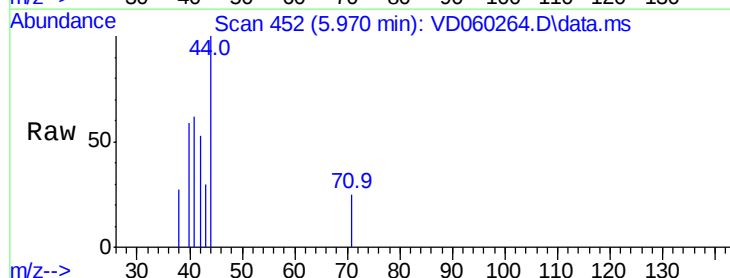
Ion Ratio Lower Upper

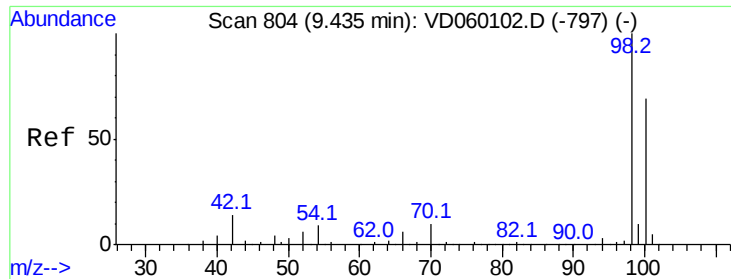
41 100

39 0.0 36.0 54.0#

67 0.0 13.9 20.9#

52 0.0 6.1 9.1#





#50

Toluene-d8

Concen: 41.46 ug/l

RT: 9.463 min Scan# 80

Delta R.T. 0.028 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampled :

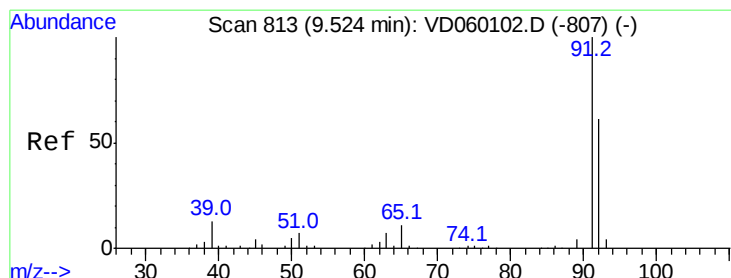
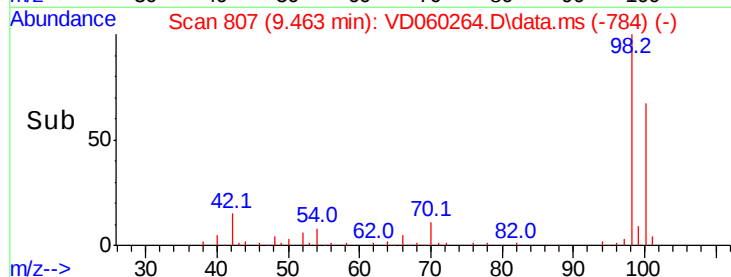
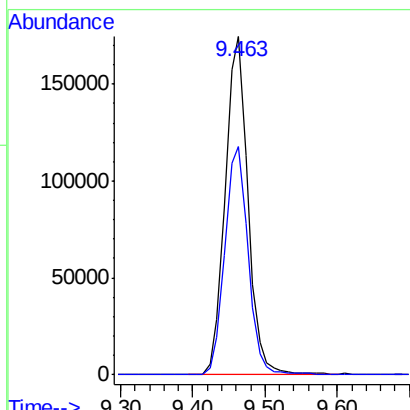
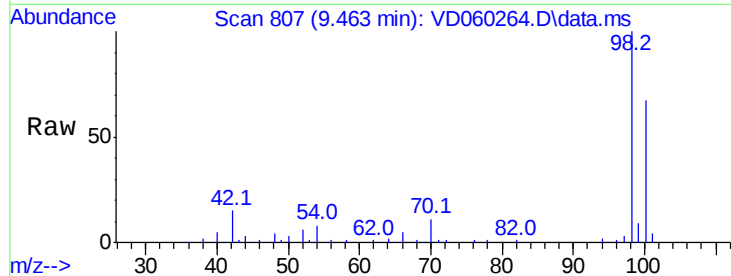
TP-2

Tot Ion: 98 Resp: 380224

Ion Ratio Lower Upper

98 100

100 67.3 55.4 83.0



#52

Toluene

Concen: 1.26 ug/l

RT: 9.552 min Scan# 816

Delta R.T. 0.028 min

Lab File: VD060264.D

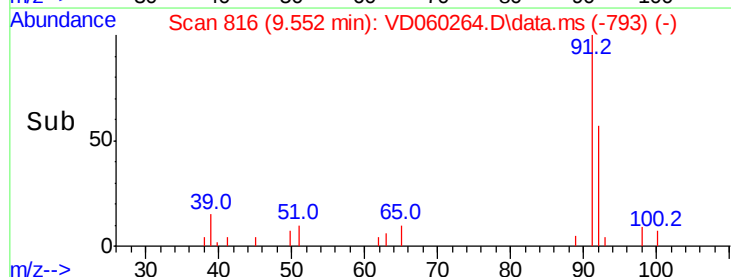
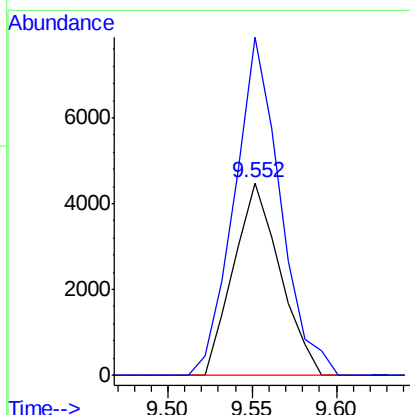
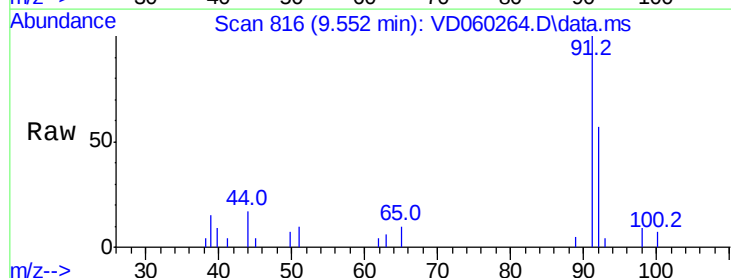
Acq: 1 Nov 2018 16:06

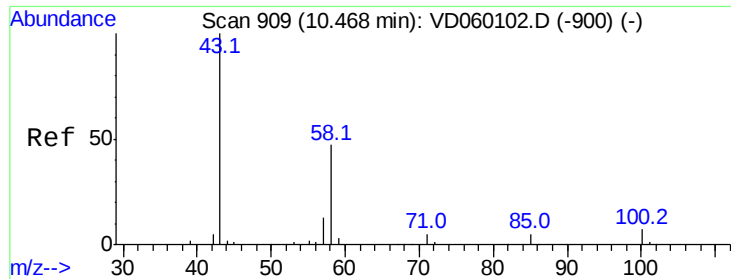
Tgt Ion: 92 Resp: 8584

Ion Ratio Lower Upper

92 100

91 175.7 131.9 197.9





#59

2-Hexanone

Concen: 1.77 ug/l

RT: 10.575 min Scan# 92

Delta R.T. 0.107 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

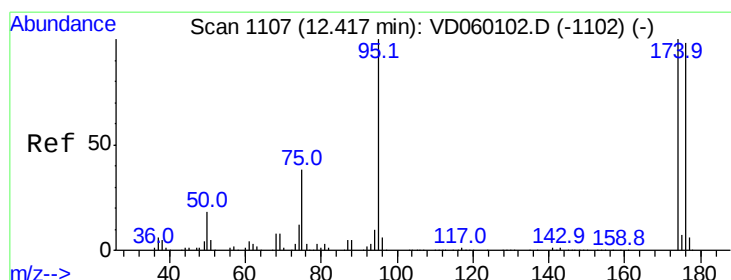
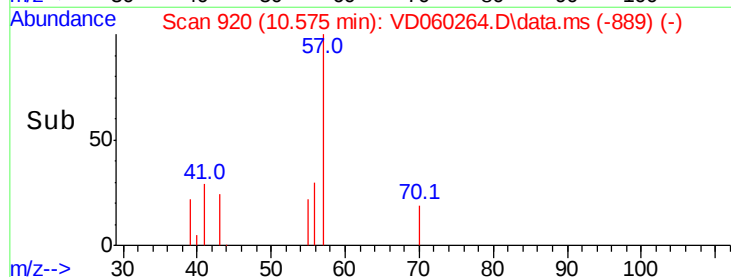
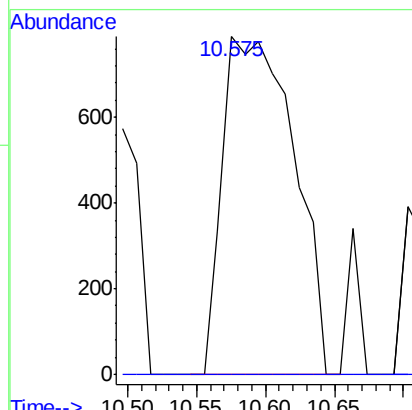
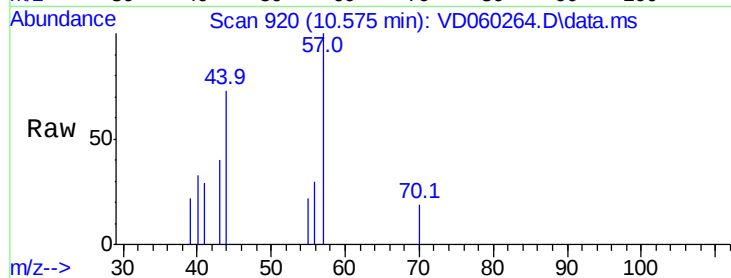
TP-2

Tot Ion: 43 Resp: 2832

Ion Ratio Lower Upper

43 100

58 0.0 23.3 69.9#



#62

4-Bromofluorobenzene

Concen: 48.59 ug/l

RT: 12.425 min Scan# 1108

Delta R.T. 0.009 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

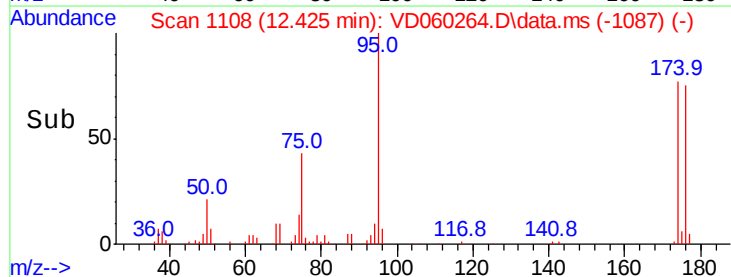
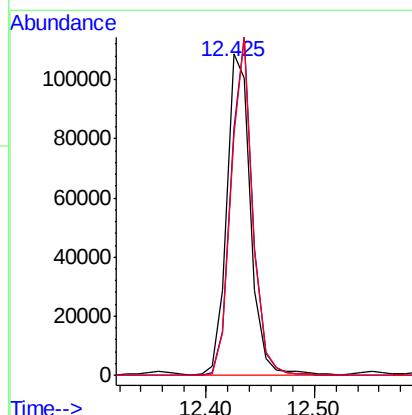
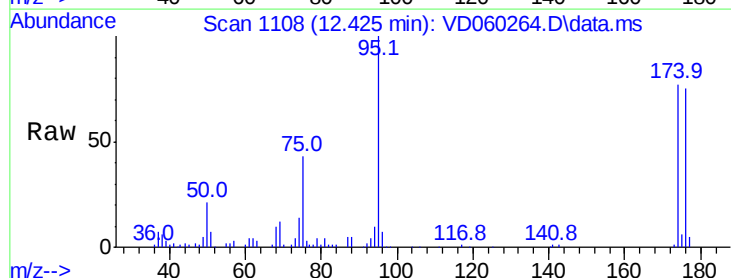
Tgt Ion: 95 Resp: 166861

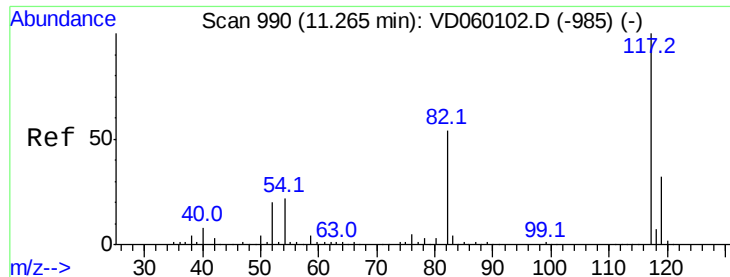
Ion Ratio Lower Upper

95 100

174 76.7 0.0 200.2

176 74.7 0.0 195.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.284 min Scan# 99

Delta R.T. 0.018 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

TP-2

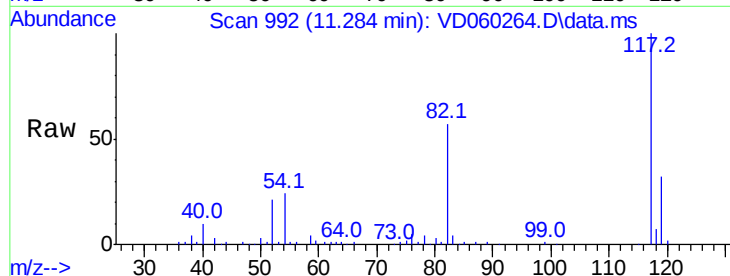
Tot Ion:117 Resp: 386643

Ion Ratio Lower Upper

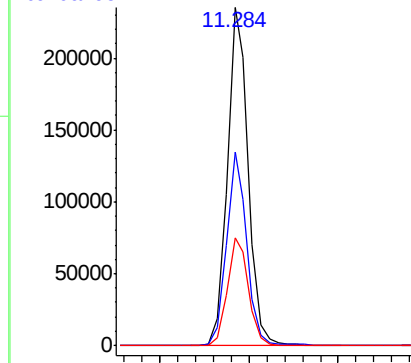
117 100

82 57.4 43.4 65.2

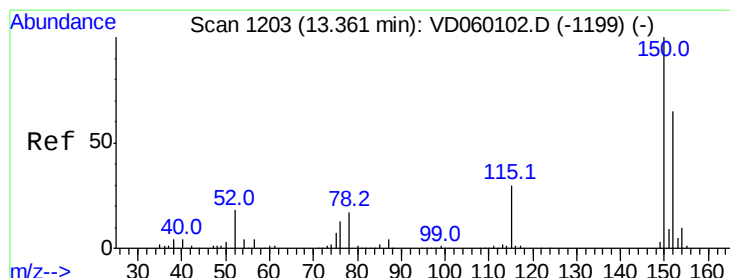
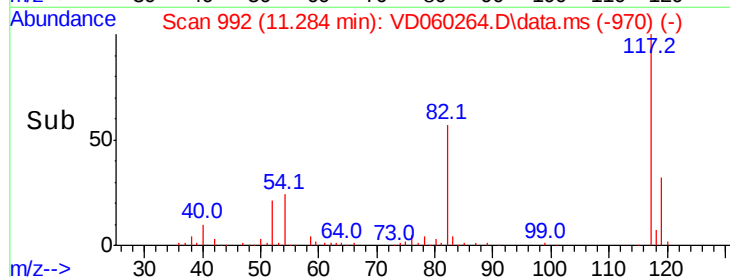
119 31.8 26.0 39.0



Abundance



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.380 min Scan# 1205

Delta R.T. 0.018 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

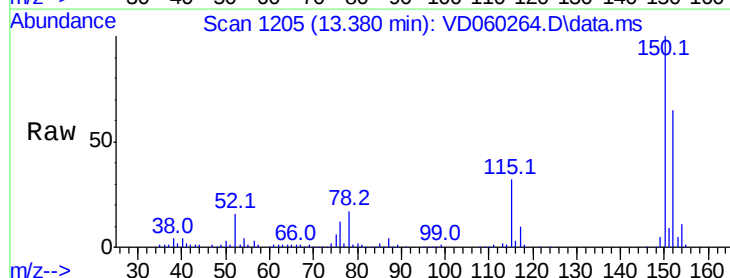
Tgt Ion:152 Resp: 207443

Ion Ratio Lower Upper

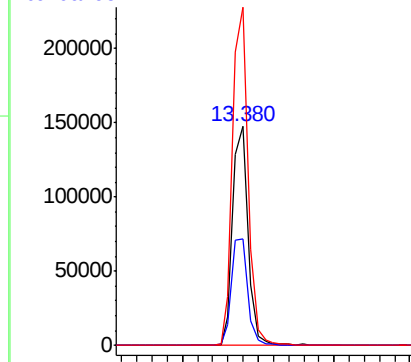
152 100

115 48.6 27.1 81.2

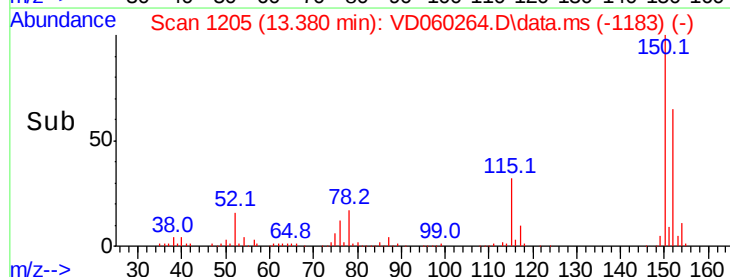
150 154.4 0.0 311.8

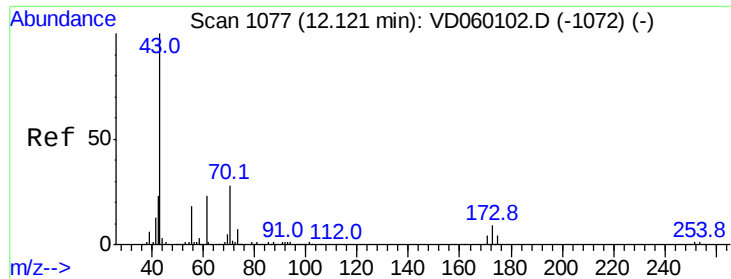


Abundance



Time-->

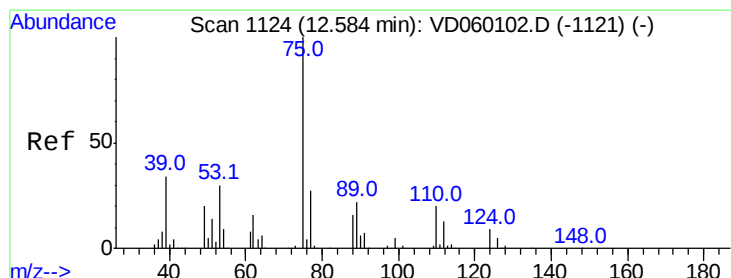
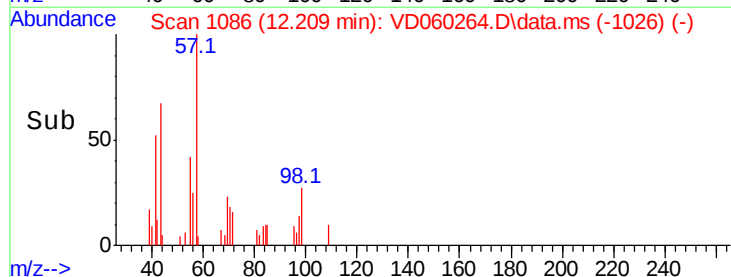
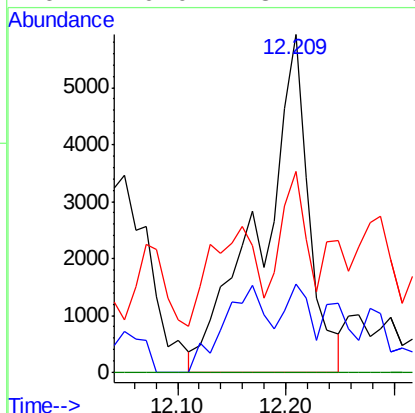
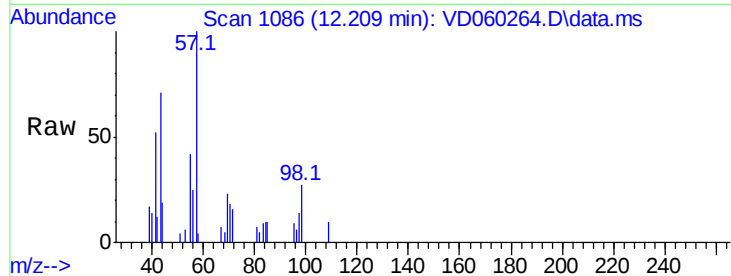




#74
N-amvl acetate
Concen: 3.63 ug/l
RT: 12.209 min Scan# 1077
Delta R.T. 0.087 min
Lab File: VD060264.D
Acq: 1 Nov 2018 16:06

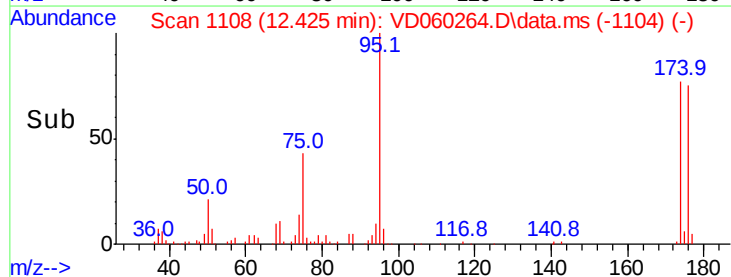
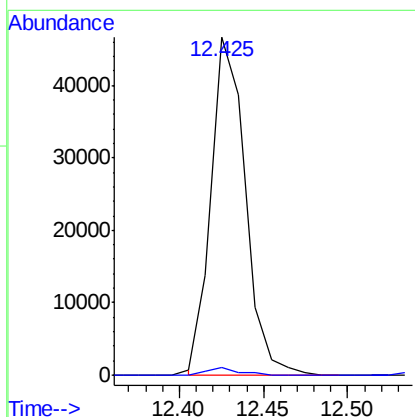
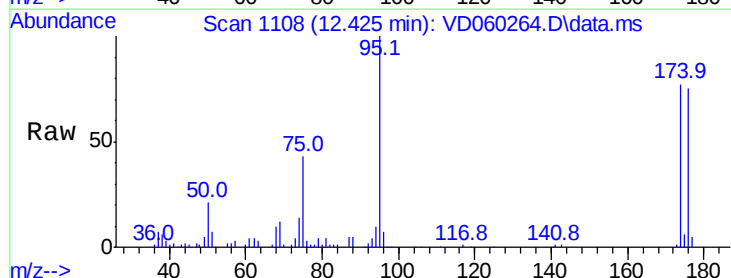
Instrument :
MSVOA_D
ClientSampleId :
TP-2

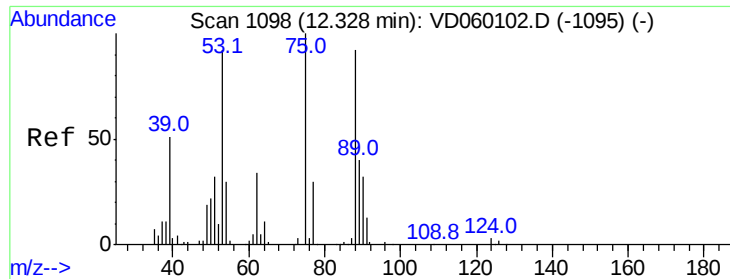
Tot Ion: 43 Resp: 18219
Ion Ratio Lower Upper
43 100
70 26.1 22.1 33.1
55 59.4 14.1 21.1#
61 0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 22.17 ug/l
RT: 12.425 min Scan# 1108
Delta R.T. -0.159 min
Lab File: VD060264.D
Acq: 1 Nov 2018 16:06

Tgt Ion: 75 Resp: 66239
Ion Ratio Lower Upper
75 100
77 2.2 16.3 48.9#





#81

trans-1,4-Dichloro-2-butene

Concen: 79.48 ug/l

RT: 12.425 min Scan# 11

Delta R.T. 0.097 min

Lab File: VD060264.D

Acq: 1 Nov 2018 16:06

Instrument :

MSVOA_D

ClientSampleId :

TP-2

Tot Ion: 75 Resp: 66714

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#

