

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060341.D
 Acq On : 12 Nov 2018 16:57
 Operator : JC/SY
 Sample : J5766-01
 Misc : 6.14g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-110918

Quant Time: Nov 13 00:41:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1595595	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	2156225	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1590744	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	591895	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	522297	45.72	ug/l	-0.04
Spiked Amount			Recovery	=	91.44%	
35) Dibromofluoromethane	6.30	113	738990	45.96	ug/l	-0.04
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	9.44	98	1963169	41.72	ug/l	-0.03
Spiked Amount			Recovery	=	83.44%	
62) 4-Bromofluorobenzene	12.41	95	595429	34.92	ug/l	-0.03
Spiked Amount			Recovery	=	69.84%	

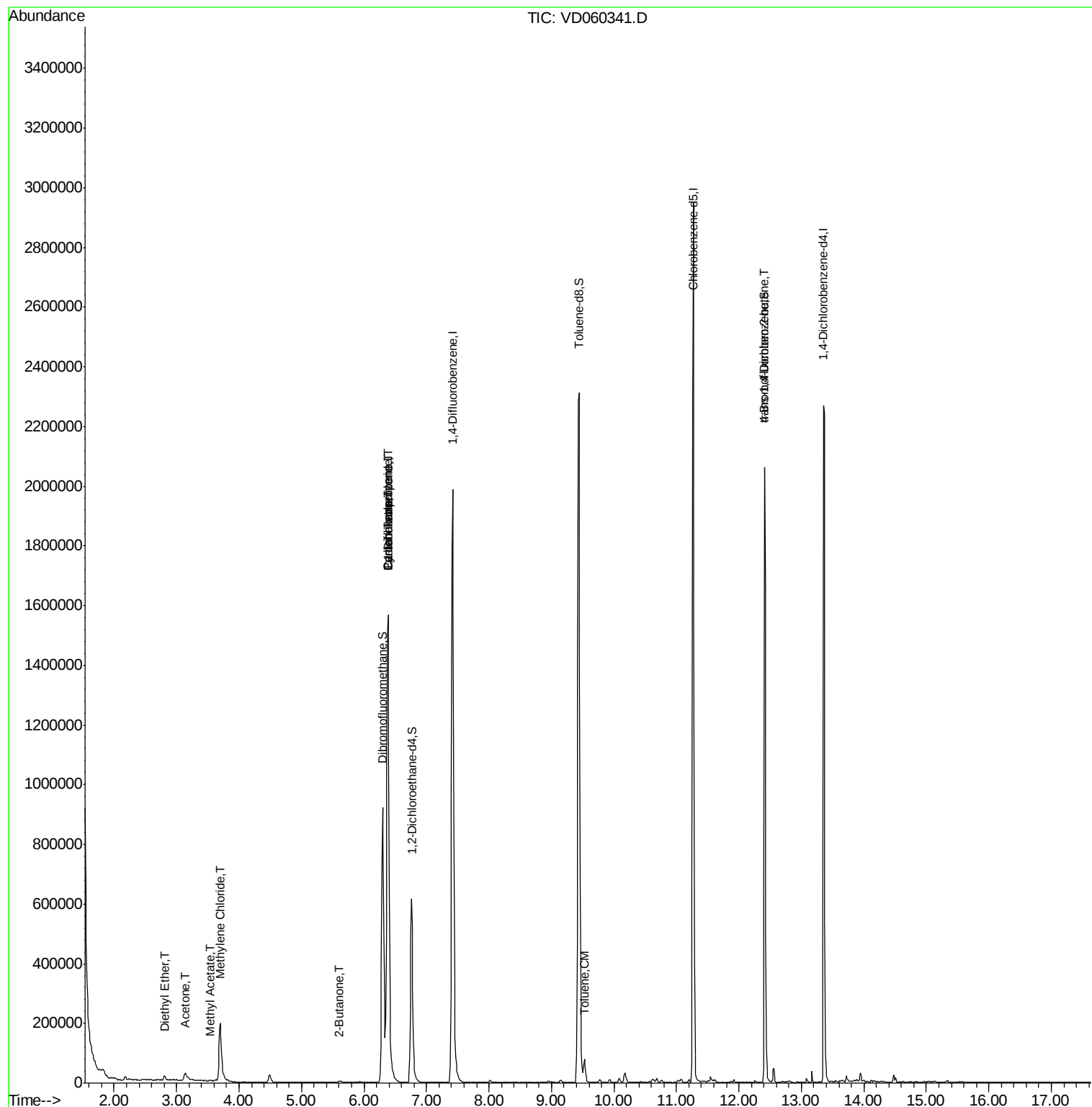
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	403	Below Cal	#	41
8) Diethyl Ether	2.81	74	5273	2.001	ug/l	100
16) Acetone	3.14	43	59893	30.222	ug/l	99
18) Methyl Acetate	3.53	43	5325	1.260	ug/l #	63
20) Methylene Chloride	3.70	84	134864	7.672	ug/l	93
25) 2-Butanone	5.60	43	7536	1.829	ug/l	94
31) Cyclohexane	6.38	56	29992	1.100	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	114442	5.372	ug/l #	46
38) Carbon Tetrachloride	6.39	117	124123	6.281	ug/l #	15
52) Toluene	9.53	92	35468	1.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	248228	123.142	ug/l #	15
89) n-Butylbenzene	13.64	91	1677	Below Cal	#	67

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060341.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

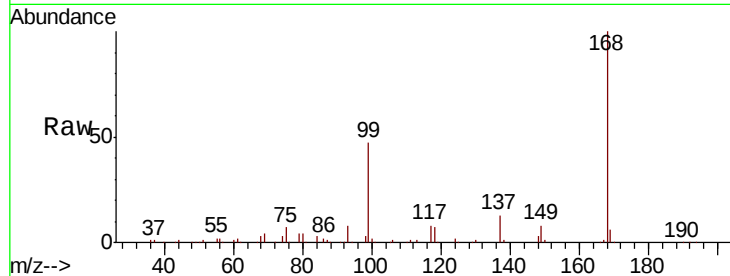
HD-01-110918

Tgt Ion:168 Resp: 1595595

Ion Ratio Lower Upper

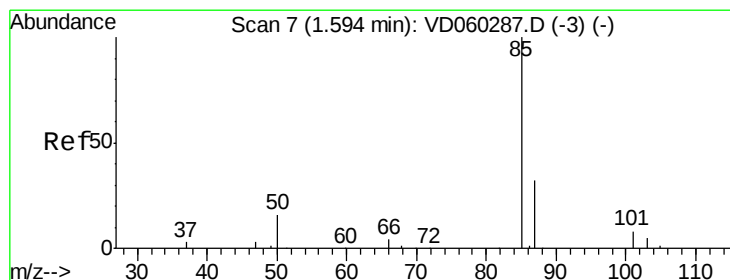
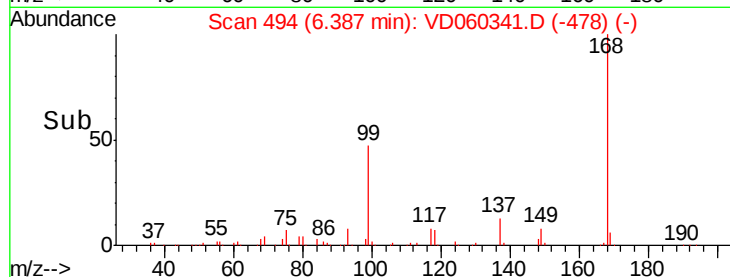
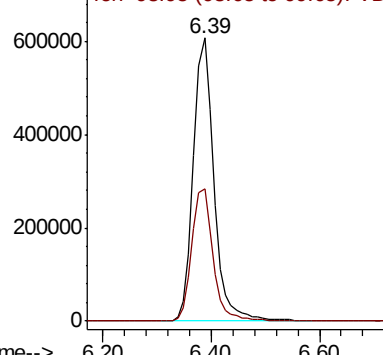
168 100

99 46.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060341.D

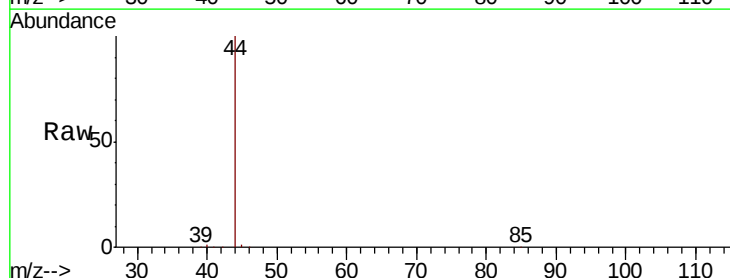
Acq: 12 Nov 2018 16:57

Tgt Ion: 85 Resp: 403

Ion Ratio Lower Upper

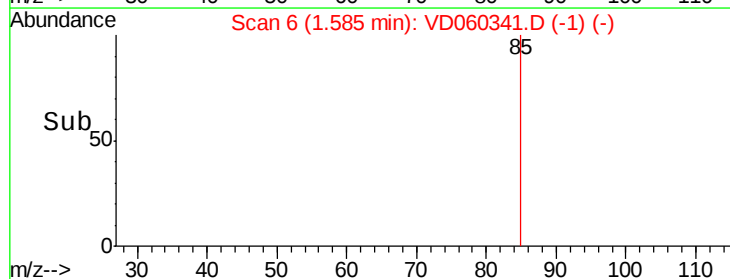
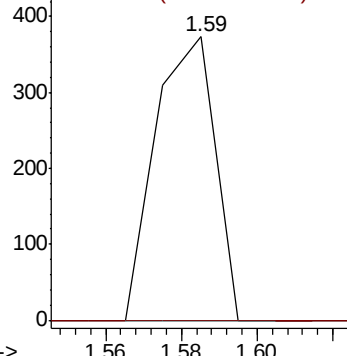
85 100

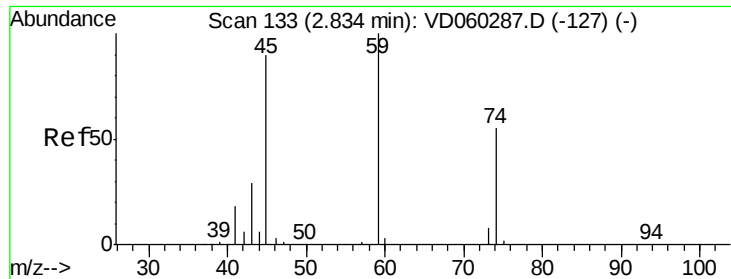
87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

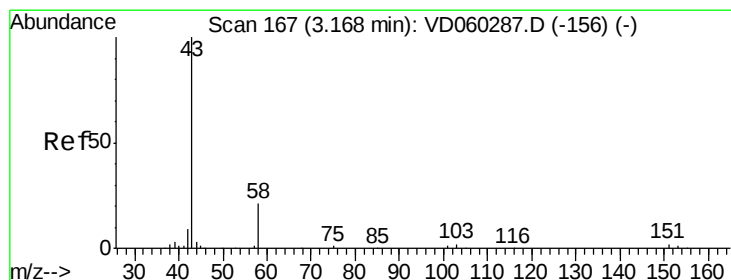
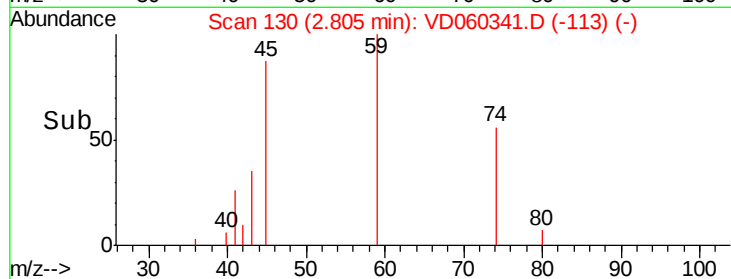
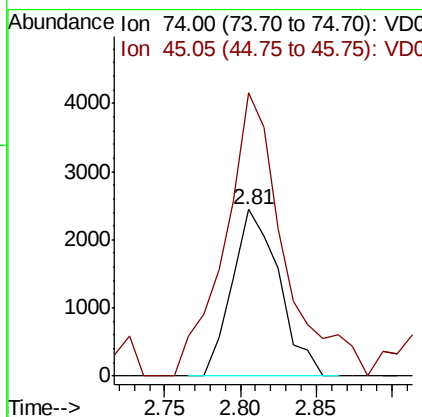
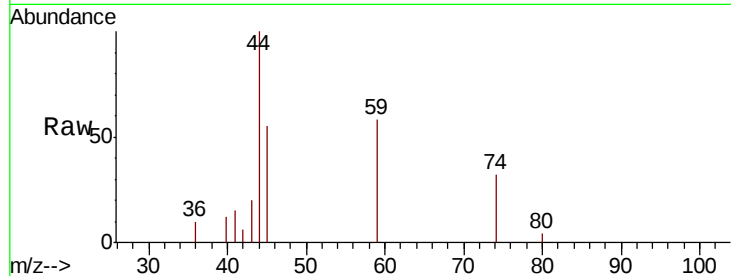




#8
Diethyl Ether
Concen: 2.001 ug/l
RT: 2.81 min Scan# 130
Delta R.T. -0.03 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

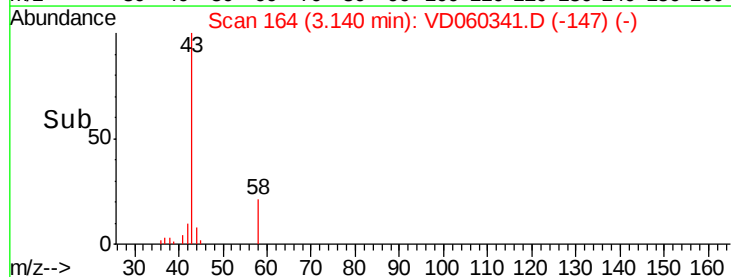
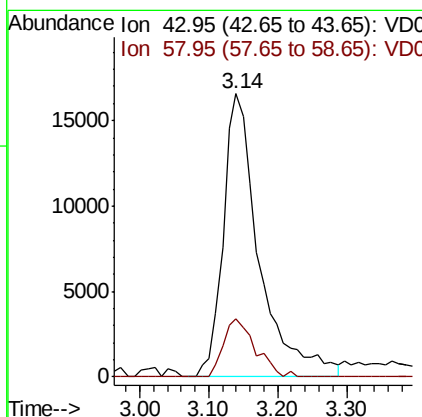
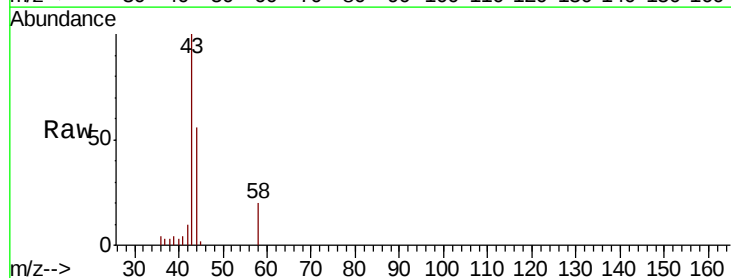
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MSVOA_D
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HD-01-110918

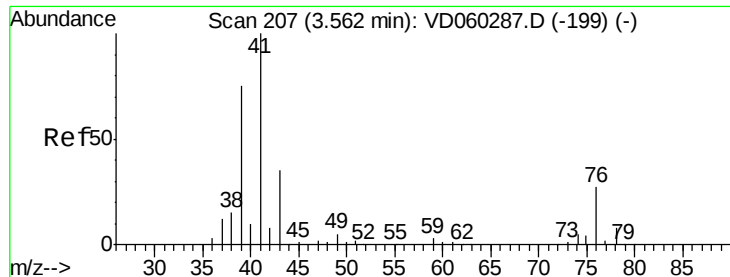
Tgt Ion: 74 Resp: 5273
Ion Ratio Lower Upper
74 100
45 170.2 84.8 254.4



#16
Acetone
Concen: 30.222 ug/l
RT: 3.14 min Scan# 164
Delta R.T. -0.03 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

Tgt Ion: 43 Resp: 59893
Ion Ratio Lower Upper
43 100
58 20.5 16.9 25.3

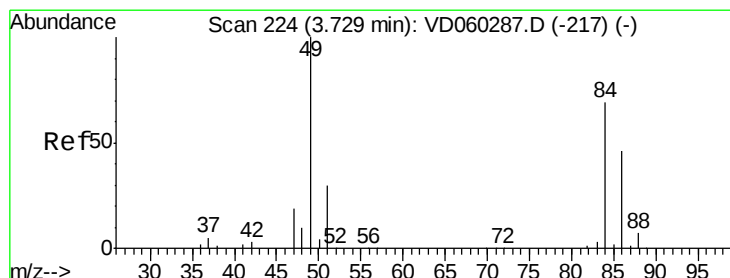
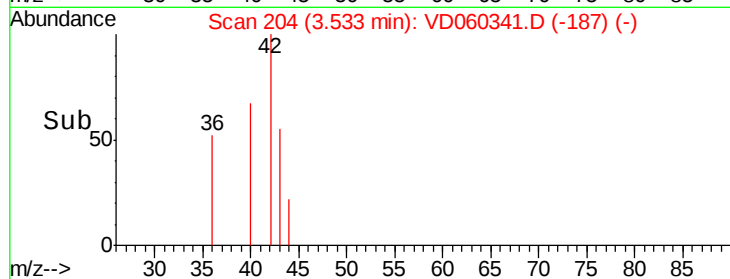
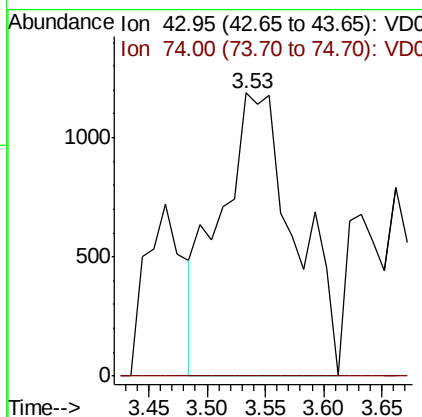
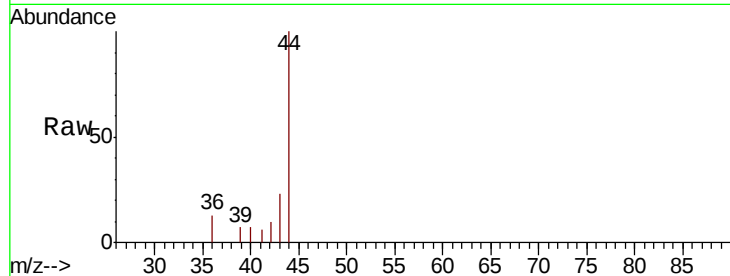




#18
Methyl Acetate
Concen: 1.260 ug/l
RT: 3.53 min Scan# 204
Delta R.T. -0.03 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

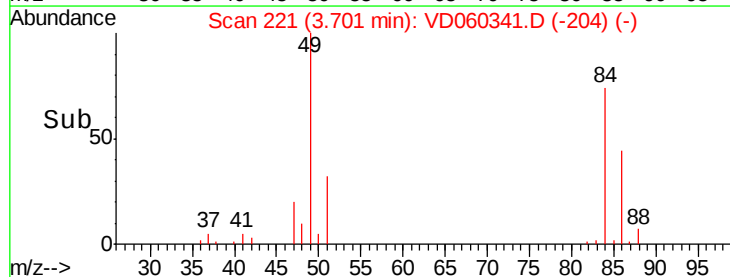
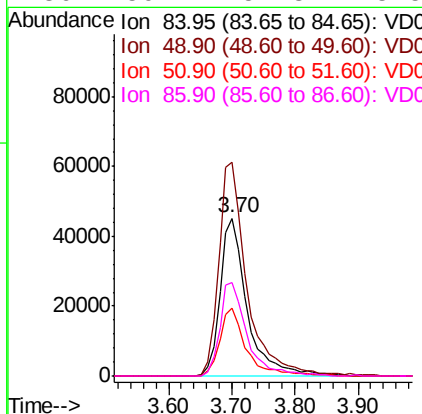
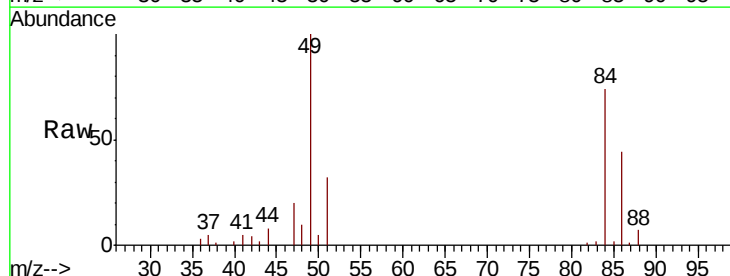
Instrument :
MSVOA_D
ClientSampleId :
HD-01-110918

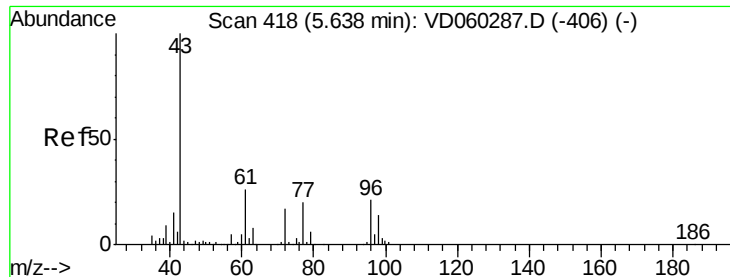
Tgt Ion: 43 Resp: 5325
Ion Ratio Lower Upper
43 100
74 0.0 12.4 18.6#



#20
Methylene Chloride
Concen: 7.672 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

Tgt Ion: 84 Resp: 134864
Ion Ratio Lower Upper
84 100
49 135.2 115.6 173.4
51 43.2 35.6 53.4
86 59.1 52.3 78.5

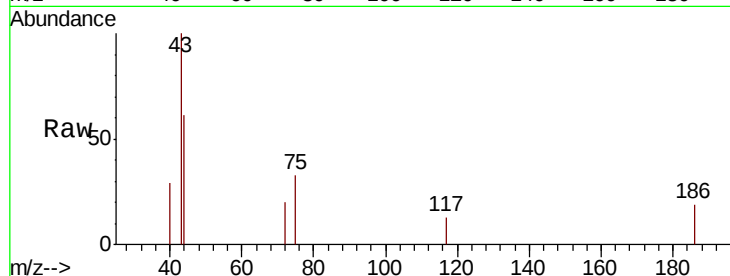




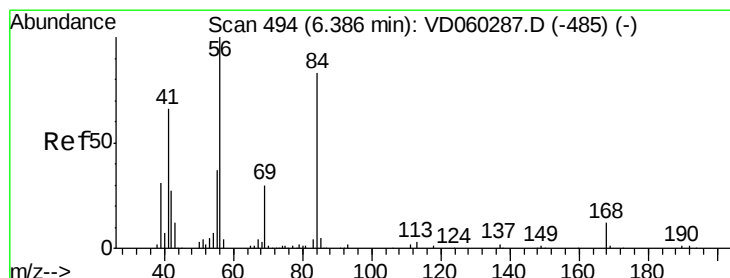
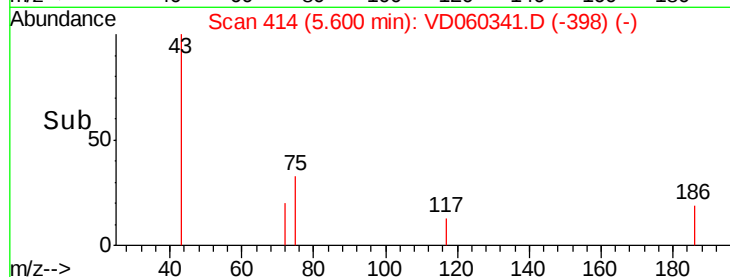
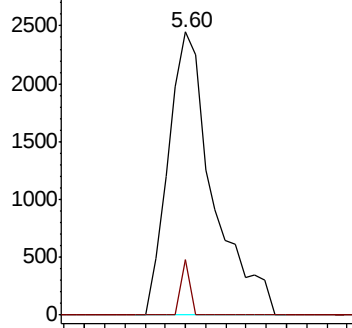
#25
2-Butanone
Concen: 1.829 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.04 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

Instrument :
MSVOA_D
ClientSampleId :
HD-01-110918

Tgt Ion: 43 Resp: 7536
Ion Ratio Lower Upper
43 100
72 19.9 13.8 20.8

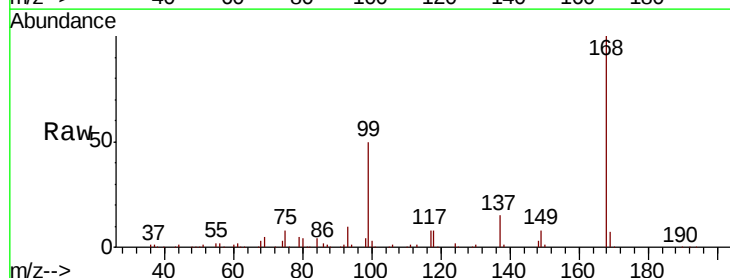


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

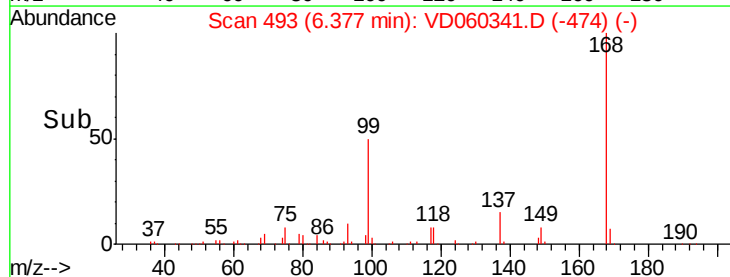
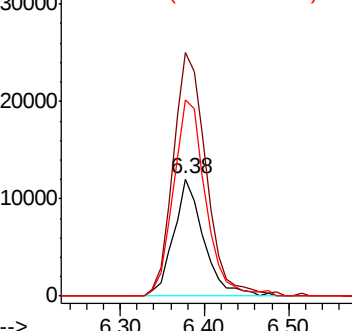


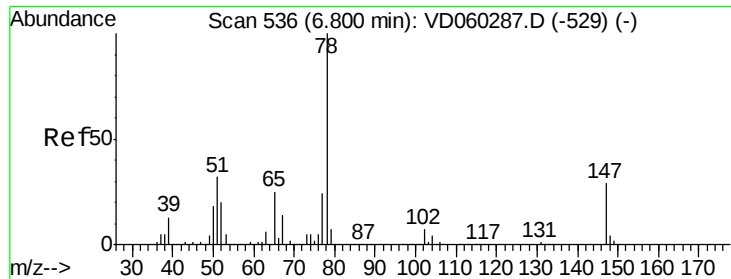
#31
Cyclohexane
Concen: 1.100 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

Tgt Ion: 56 Resp: 29992
Ion Ratio Lower Upper
56 100
69 207.7 22.2 33.2#
84 167.8 63.0 94.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.04 min

Lab File: VD060341.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

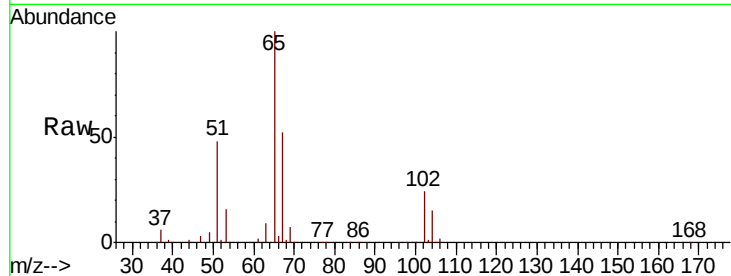
HD-01-110918

Tgt Ion: 65 Resp: 522297

Ion Ratio Lower Upper

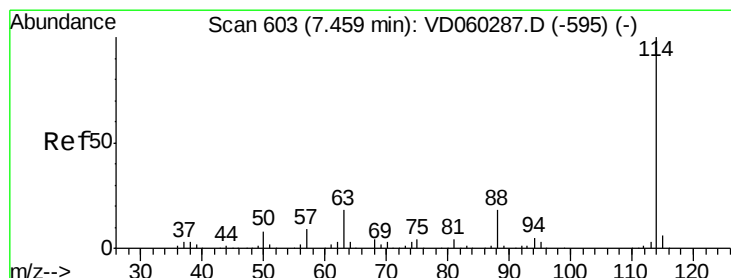
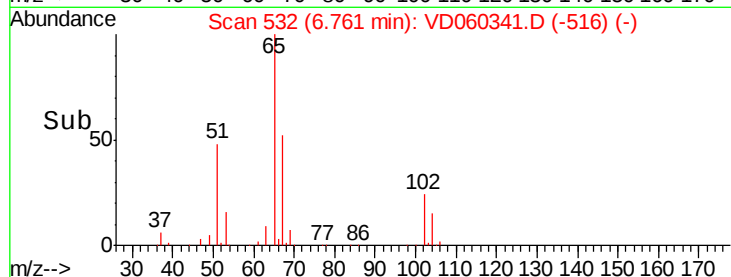
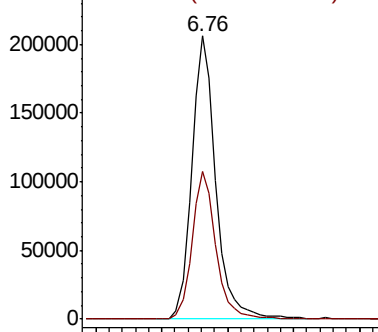
65 100

67 52.4 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.04 min

Lab File: VD060341.D

Acq: 12 Nov 2018 16:57

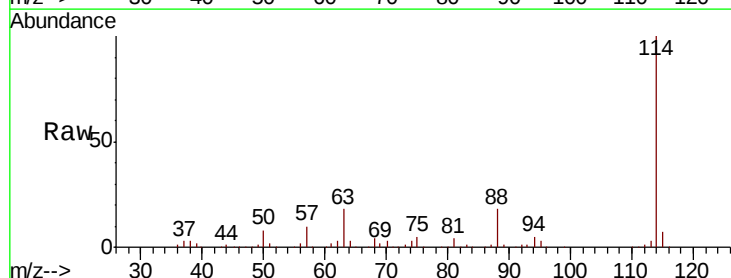
Tgt Ion: 114 Resp: 2156225

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

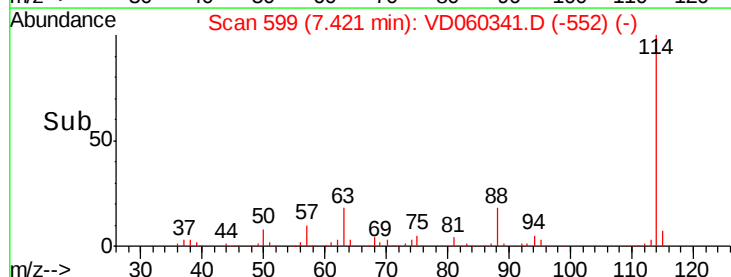
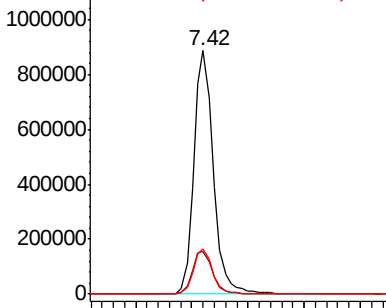
88 18.4 0.0 35.4

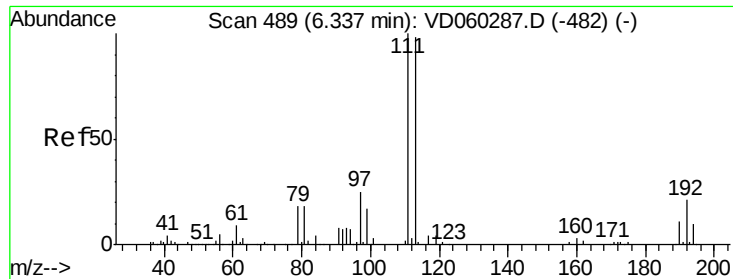


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

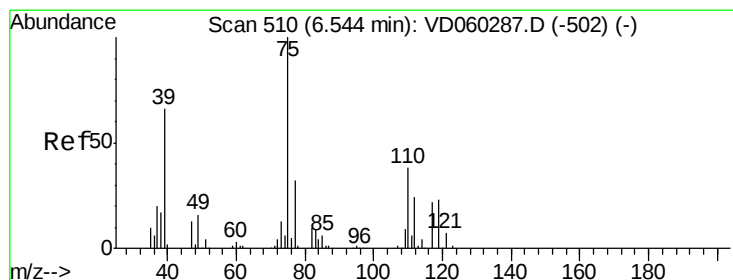
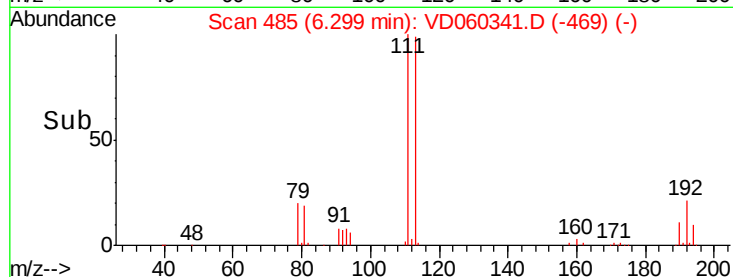
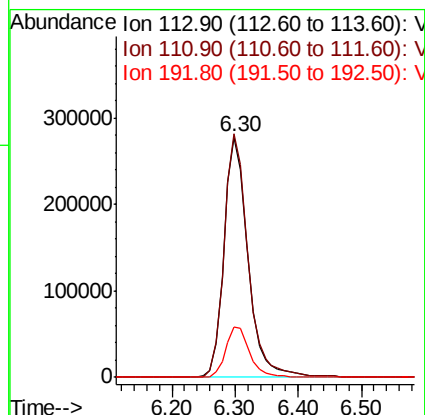
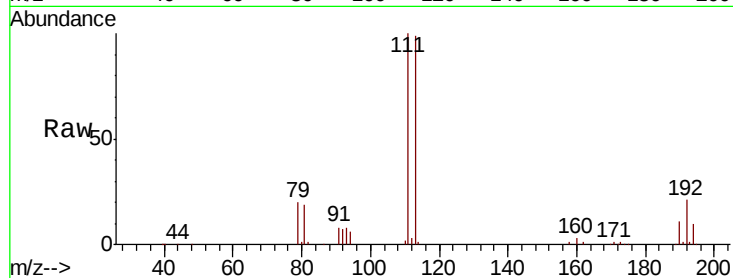




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD060341.D
 Acq: 12 Nov 2018 16:57

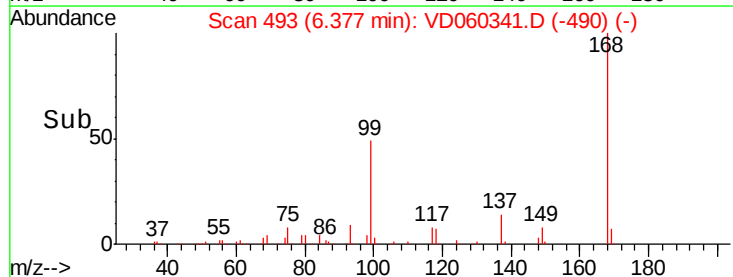
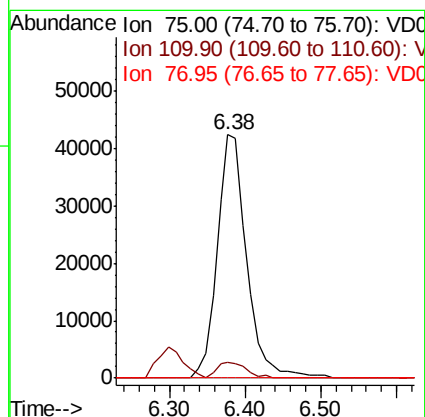
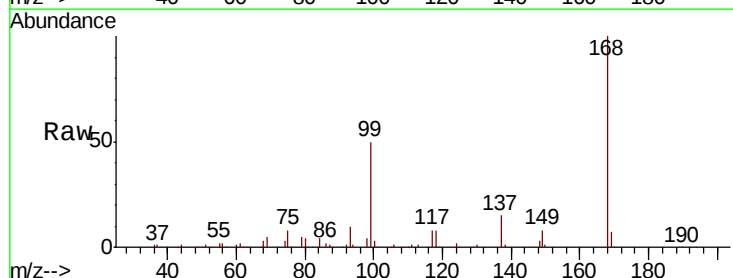
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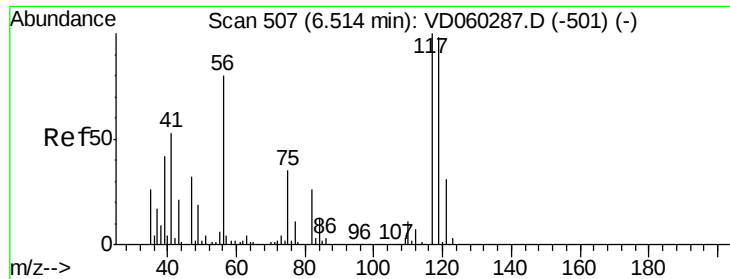
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.6	122.4
192	21.0	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 5.372 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.17 min
 Lab File: VD060341.D
 Acq: 12 Nov 2018 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.3	18.0	54.0#
77	0.0	25.6	38.4#

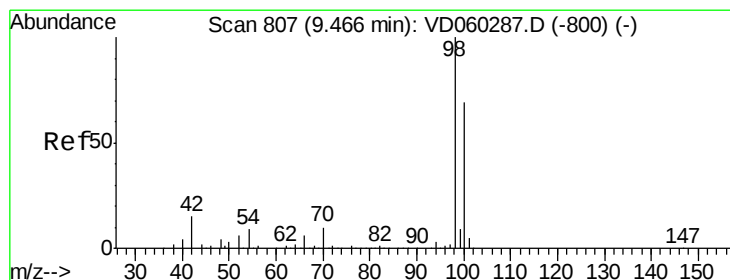
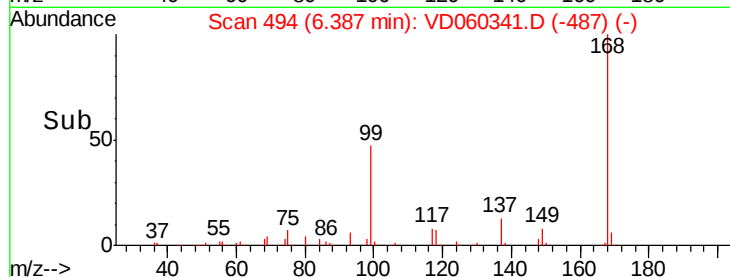
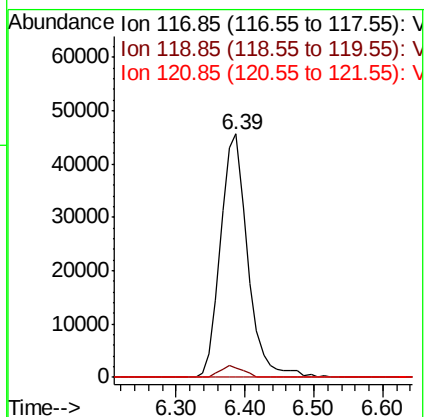
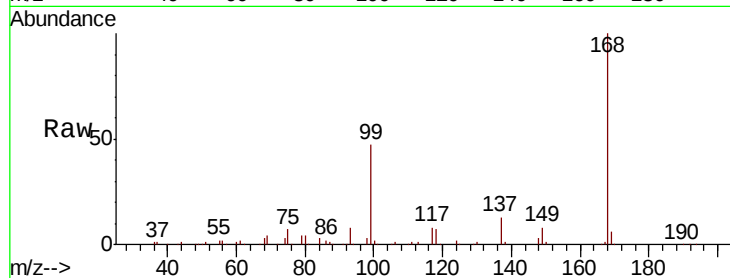




#38
Carbon Tetrachloride
Concen: 6.281 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.13 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

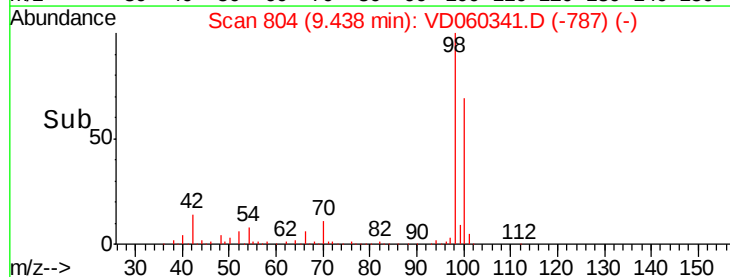
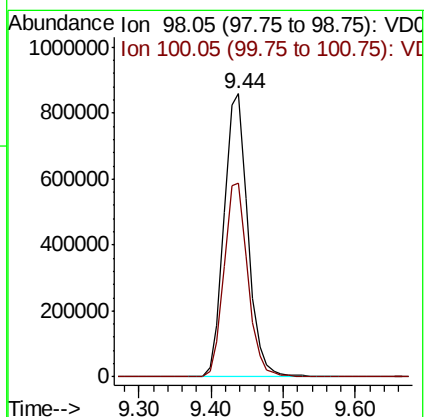
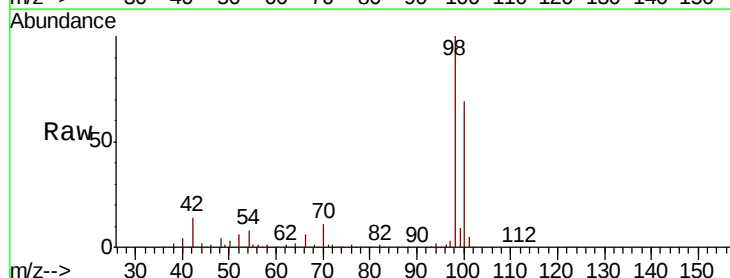
Instrument :
MSVOA_D
ClientSampleId :
HD-01-110918

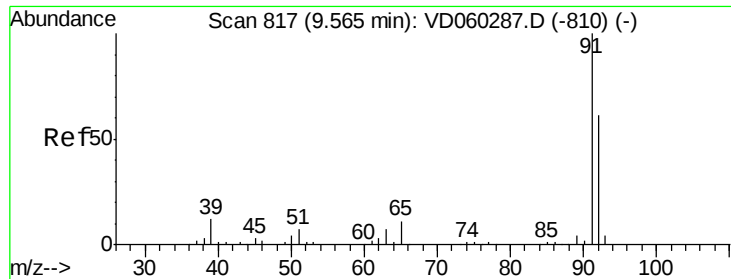
Tgt Ion:117 Resp: 124123
Ion Ratio Lower Upper
117 100
119 4.0 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.03 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

Tgt Ion: 98 Resp: 1963169
Ion Ratio Lower Upper
98 100
100 68.7 55.2 82.8





#52

Toluene

Concen: 1.021 ug/l

RT: 9.53 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD060341.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

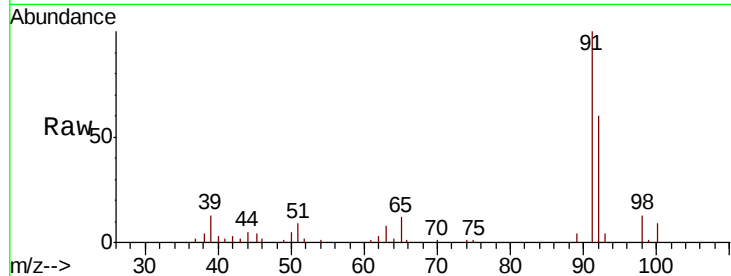
HD-01-110918

Tgt Ion: 92 Resp: 35468

Ion Ratio Lower Upper

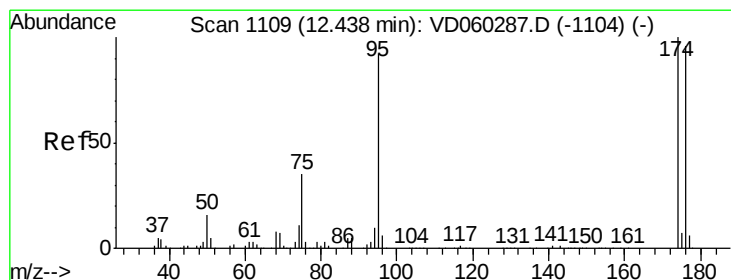
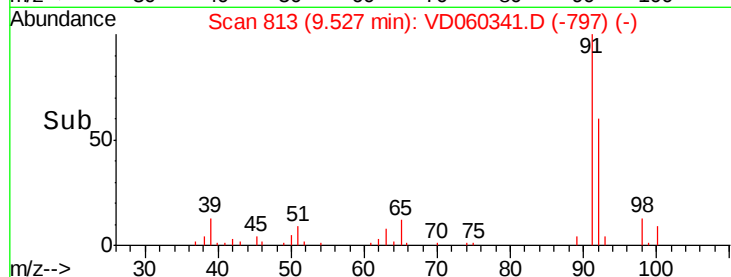
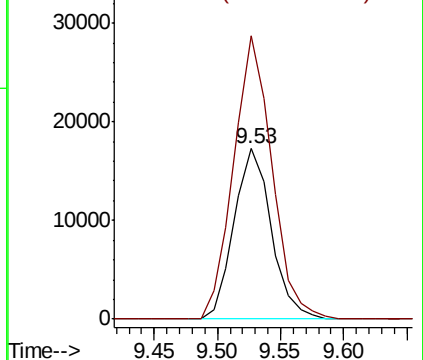
92 100

91 166.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060341.D

Acq: 12 Nov 2018 16:57

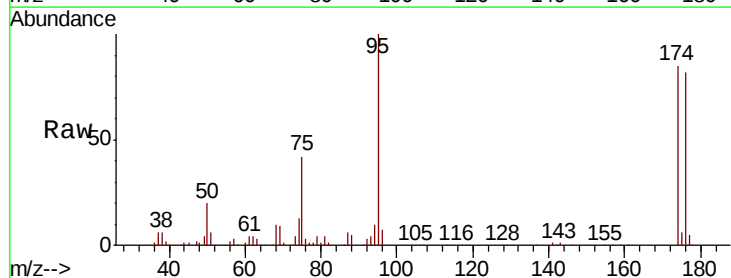
Tgt Ion: 95 Resp: 595429

Ion Ratio Lower Upper

95 100

174 85.0 0.0 160.8

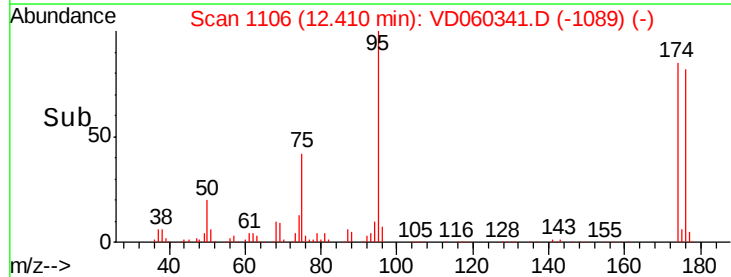
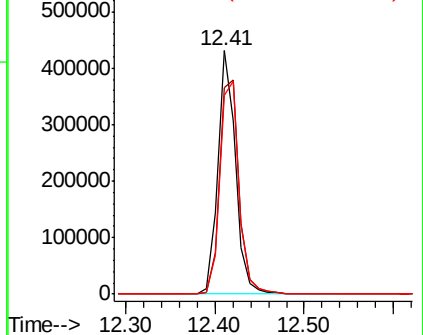
176 81.6 0.0 154.6

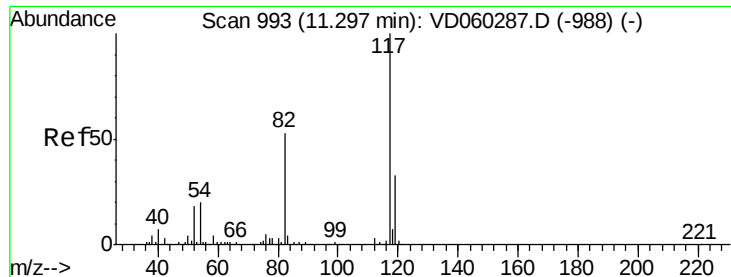


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

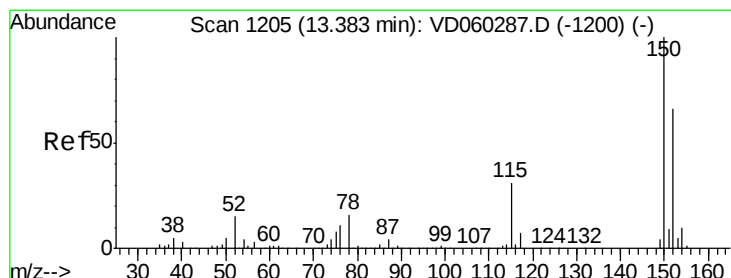
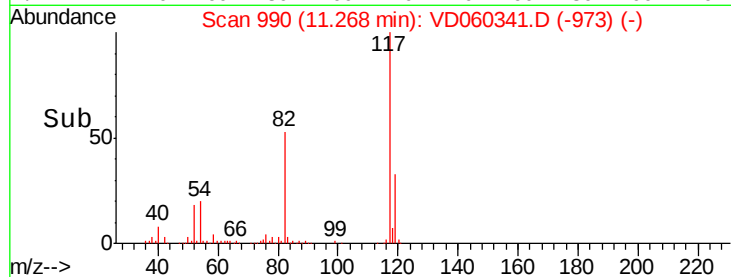
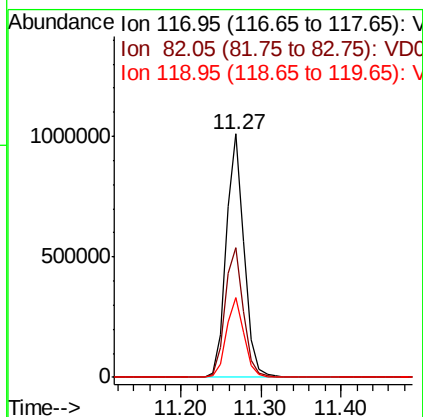
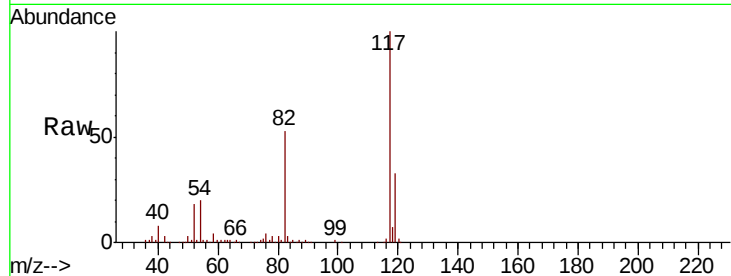




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

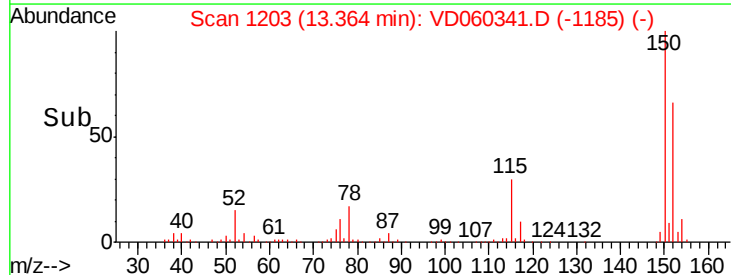
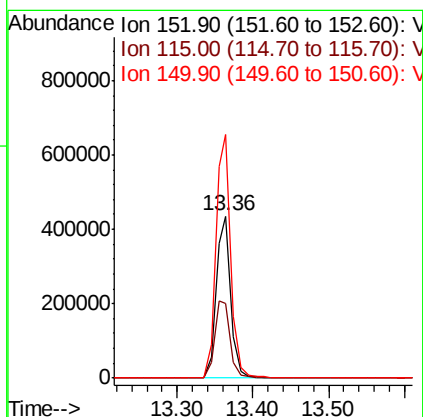
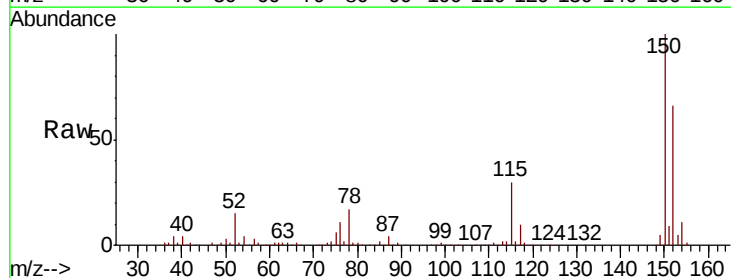
Instrument :
MSVOA_D
ClientSampleId :
HD-01-110918

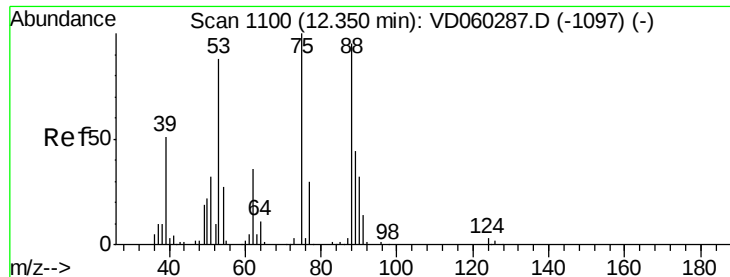
Tgt Ion:117 Resp: 1590744
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 32.8 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060341.D
Acq: 12 Nov 2018 16:57

Tgt Ion:152 Resp: 591895
Ion Ratio Lower Upper
152 100
115 45.8 24.1 72.3
150 150.4 0.0 310.6





#81

trans-1,4-Dichloro-2-butene

Concen: 123.142 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060341.D

Acq: 12 Nov 2018 16:57

Instrument :

MSVOA_D

ClientSampleId :

HD-01-110918

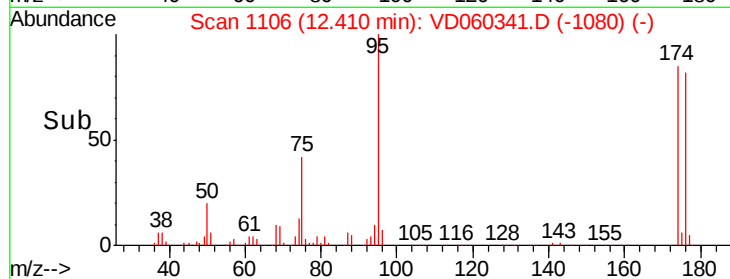
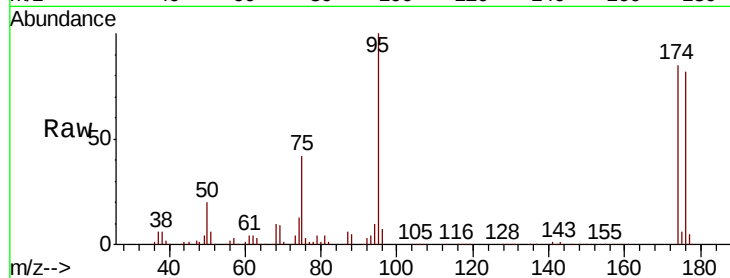
Tgt Ion: 75 Resp: 248228

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

