

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061878.D
 Acq On : 18 Apr 2019 17:03
 Operator : VA/AP
 Sample : K2397-14RE
 Misc : 3.14g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3-D2RE

Quant Time: Apr 18 17:27:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	396203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	663580	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	470466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	153079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	208381	62.75	ug/l	0.00
Spiked Amount			Recovery	=	125.50%	
35) Dibromofluoromethane	6.92	113	286436	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
50) Toluene-d8	10.42	98	596140	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	13.56	95	186688	38.77	ug/l	0.00
Spiked Amount			Recovery	=	77.54%	

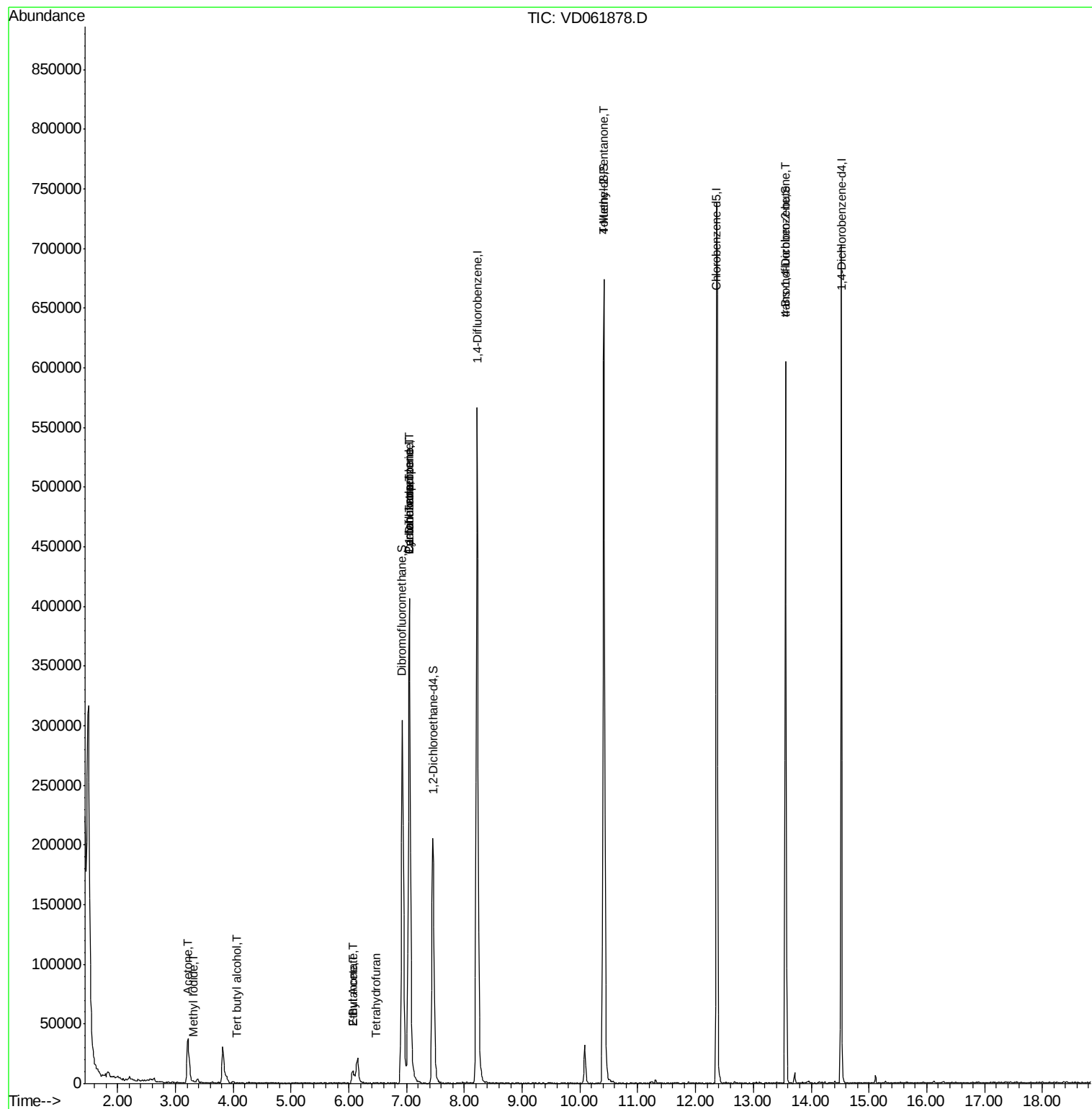
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.20	94	1766	Below Cal	#	12
10) Methyl Iodide	3.31	142	598	3.593	ug/l #	37
11) Tert butyl alcohol	4.07	59	229	1.169	ug/l #	76
16) Acetone	3.22	43	74260	90.739	ug/l	98
25) 2-Butanone	6.07	43	24179	25.951	ug/l	92
29) Tetrahydrofuran	6.46	42	616	1.357	ug/l #	30
31) Cyclohexane	7.04	56	6677	1.328	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	28694	5.292	ug/l #	46
37) Ethyl Acetate	6.07	43	24179	10.418	ug/l #	64
38) Carbon Tetrachloride	7.05	117	38684	5.650	ug/l #	16
51) 4-Methyl-2-Pentanone	10.41	43	2731	1.367	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	70140	103.813	ug/l #	16

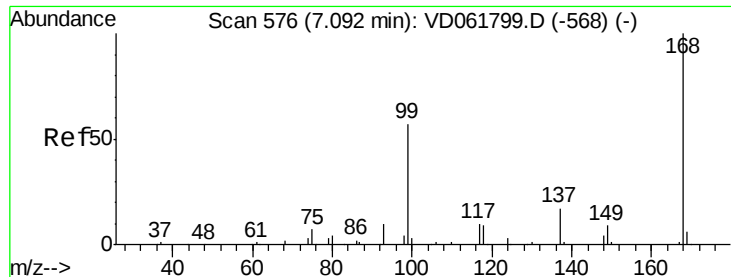
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

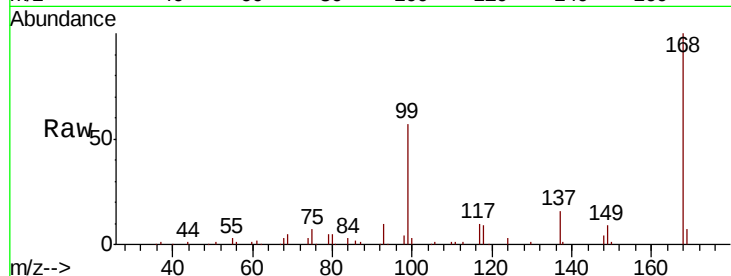
TP-3-D2RE

Tgt Ion:168 Resp: 396203

Ion Ratio Lower Upper

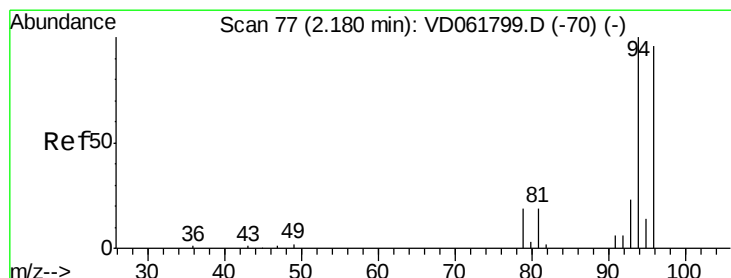
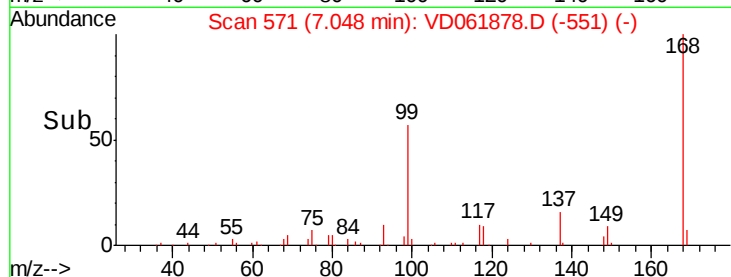
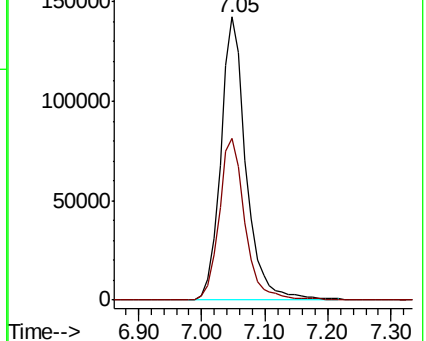
168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.20 min Scan# 78

Delta R.T. 0.05 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

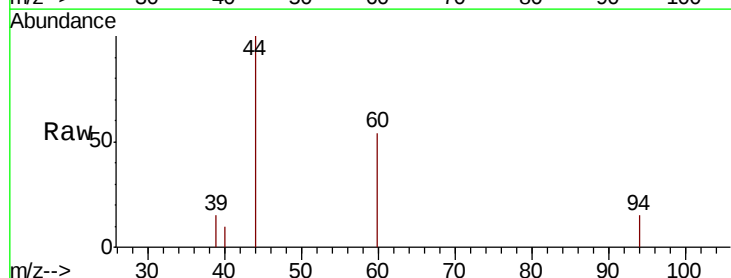
Tgt Ion: 94 Resp: 1766

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

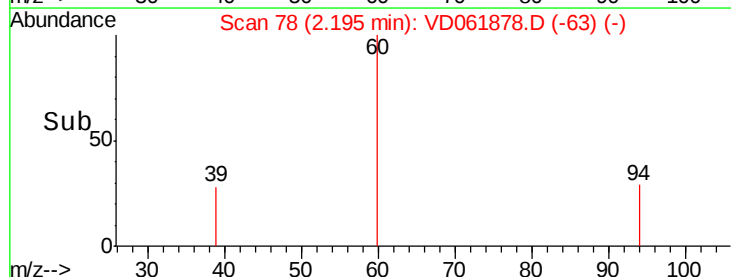
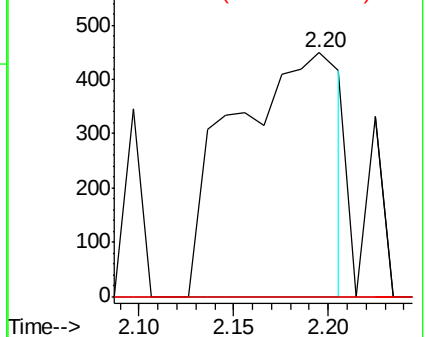
93 0.0 18.5 27.7#

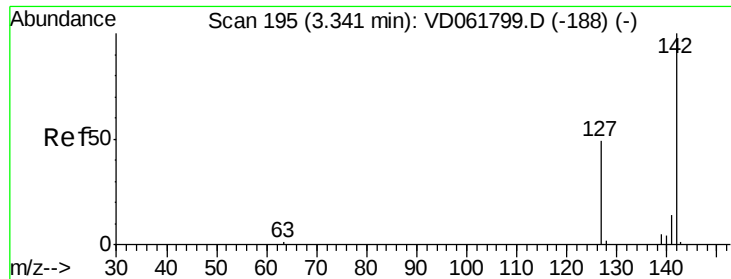


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

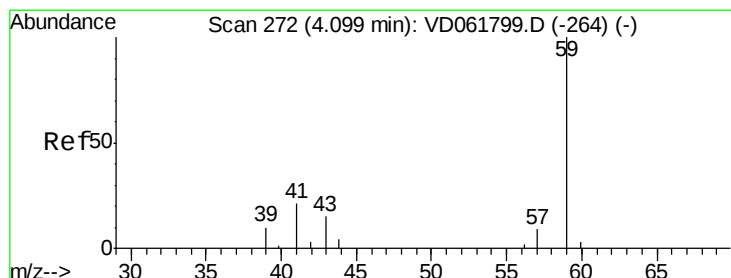
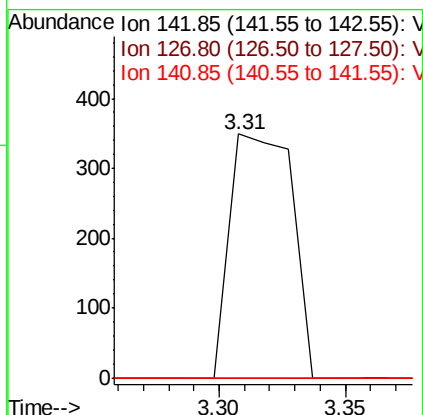
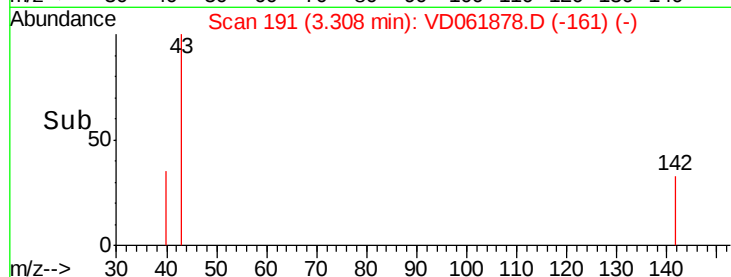
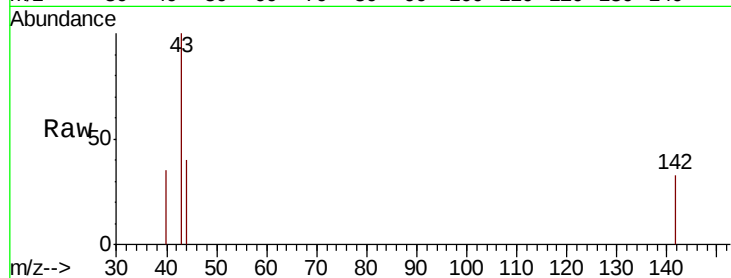




#10
Methyl Iodide
Concen: 3.593 ug/l
RT: 3.31 min Scan# 191
Delta R.T. -0.00 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

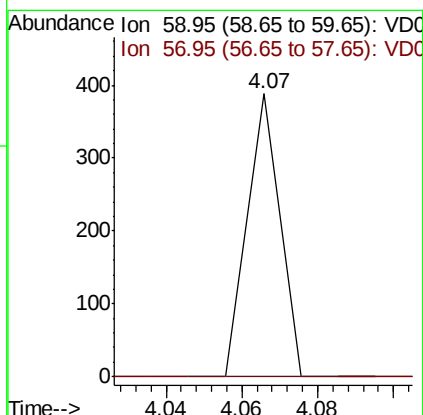
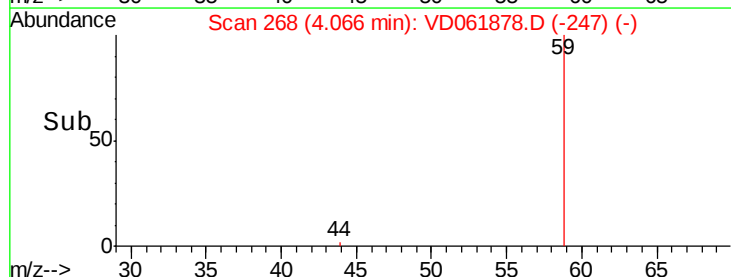
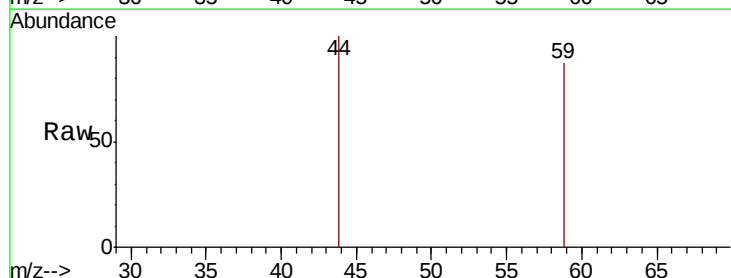
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TP-3-D2RE

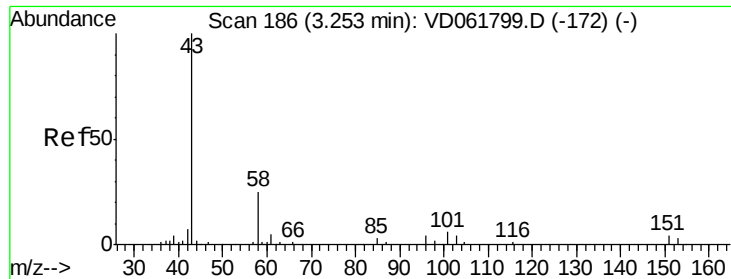
Tgt Ion: 142 Resp: 598
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.169 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#





#16

Acetone

Concen: 90.739 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

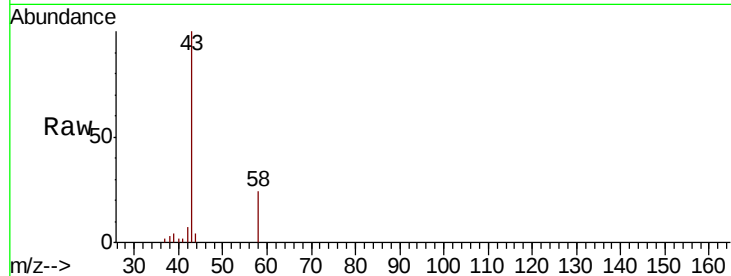
TP-3-D2RE

Tgt Ion: 43 Resp: 74260

Ion Ratio Lower Upper

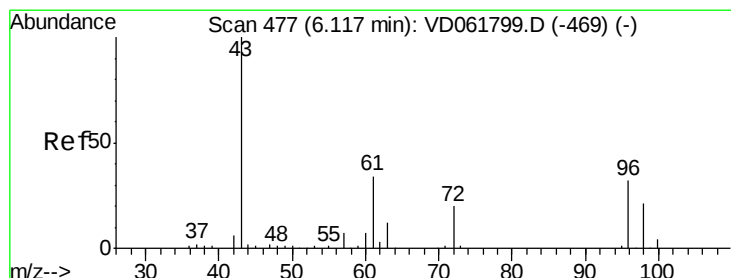
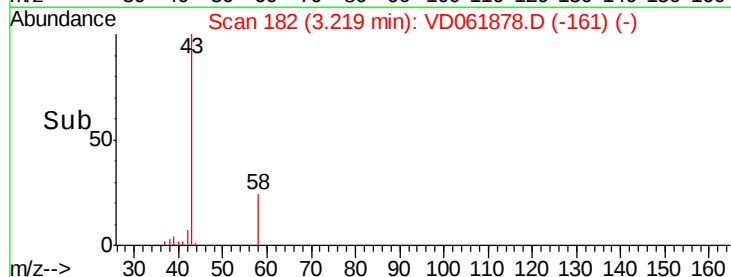
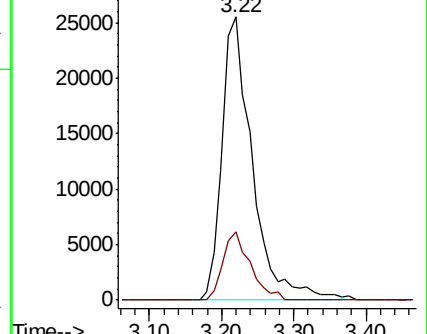
43 100

58 24.1 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#25

2-Butanone

Concen: 25.951 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD061878.D

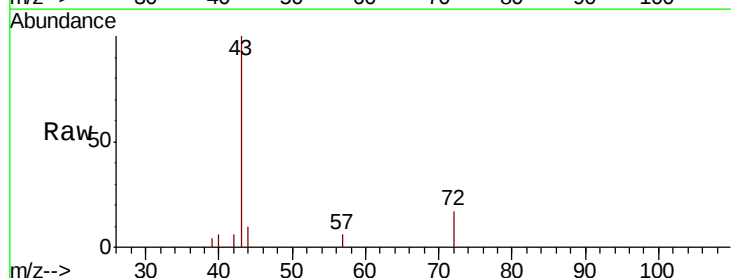
Acq: 18 Apr 2019 17:03

Tgt Ion: 43 Resp: 24179

Ion Ratio Lower Upper

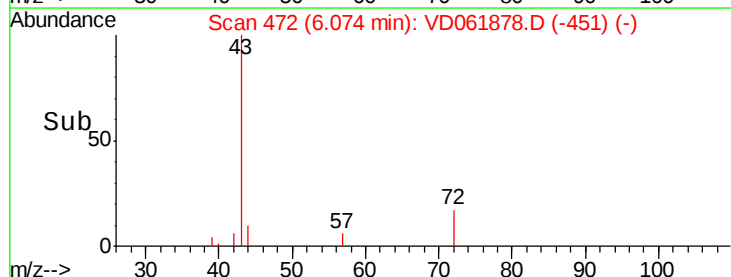
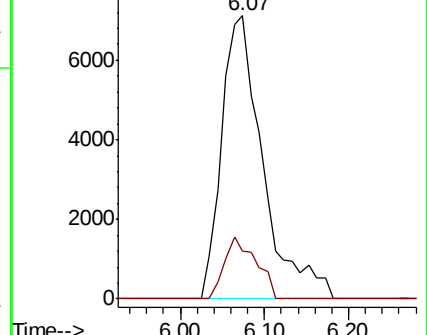
43 100

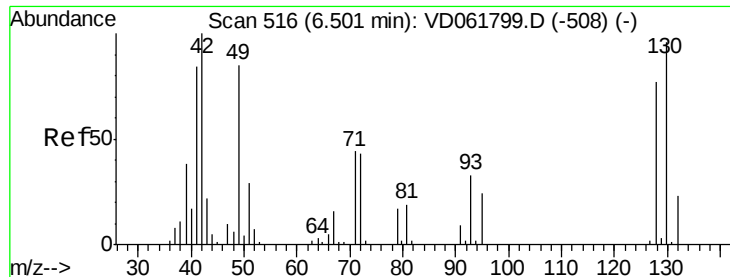
72 16.8 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

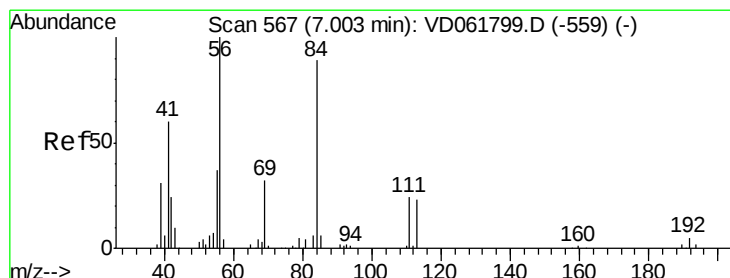
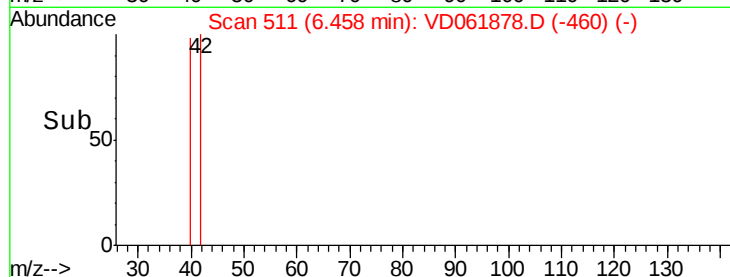
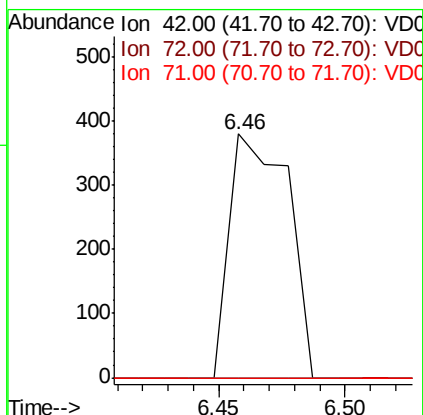
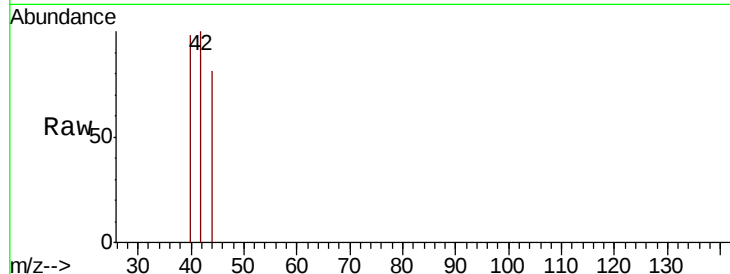




#29
Tetrahydrofuran
Concen: 1.357 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

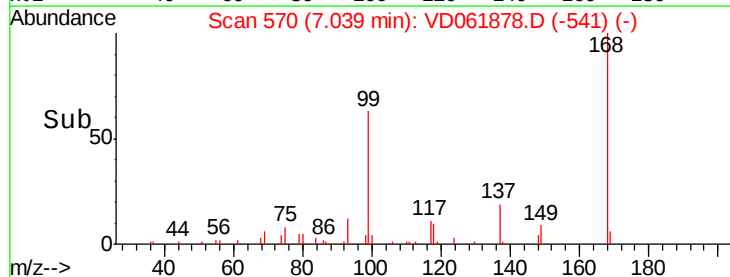
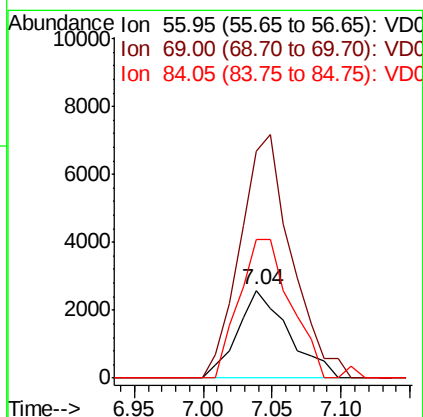
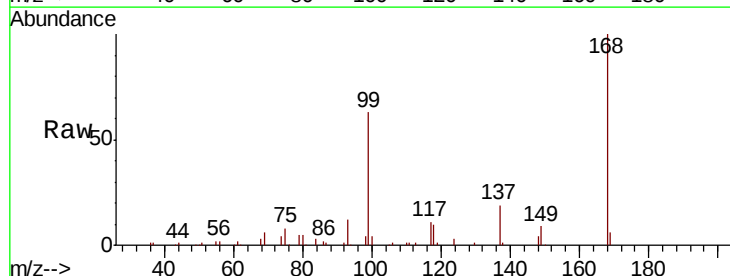
Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2RE

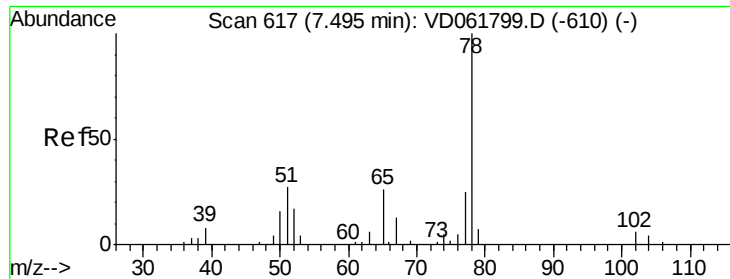
Tgt Ion: 42 Resp: 616
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 0.0 36.7 55.1#



#31
Cyclohexane
Concen: 1.328 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

Tgt Ion: 56 Resp: 6677
Ion Ratio Lower Upper
56 100
69 257.8 25.8 38.6#
84 158.2 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

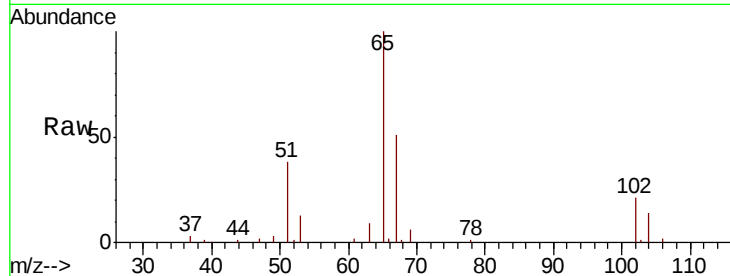
TP-3-D2RE

Tgt Ion: 65 Resp: 208381

Ion Ratio Lower Upper

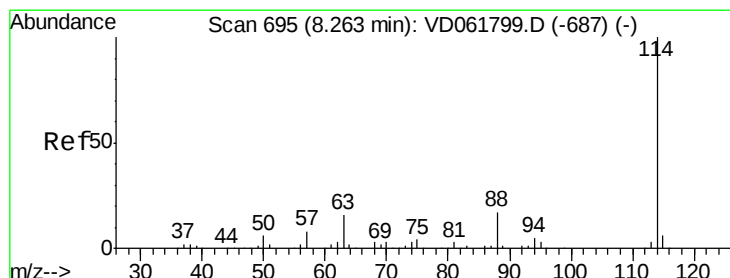
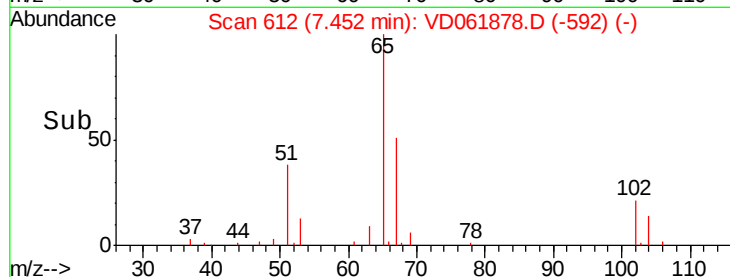
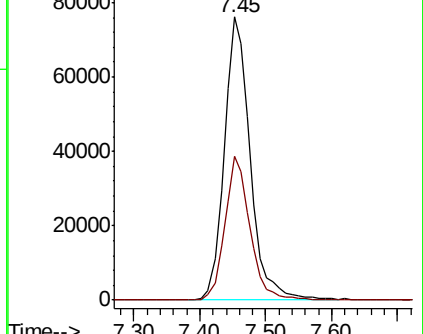
65 100

67 50.8 0.0 98.0



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: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

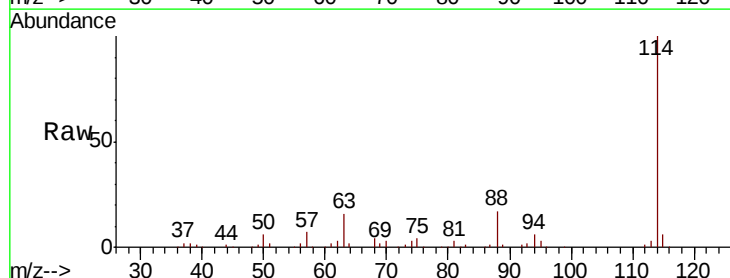
Tgt Ion: 114 Resp: 663580

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.4

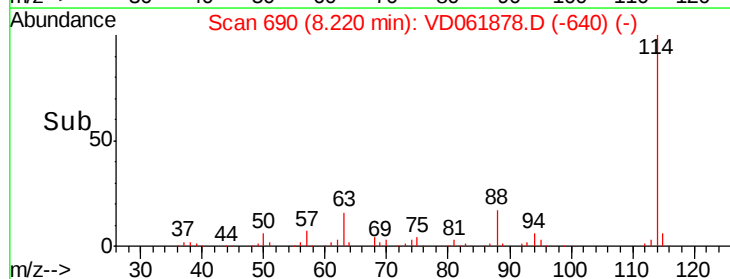
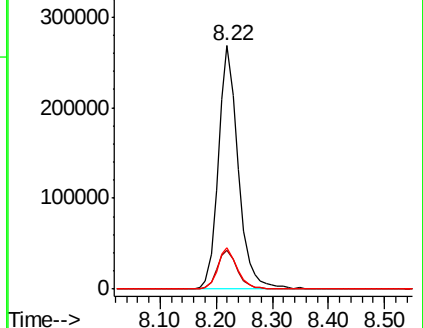
88 17.2 0.0 33.6

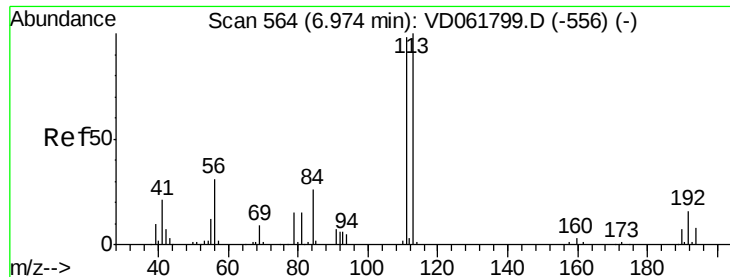


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

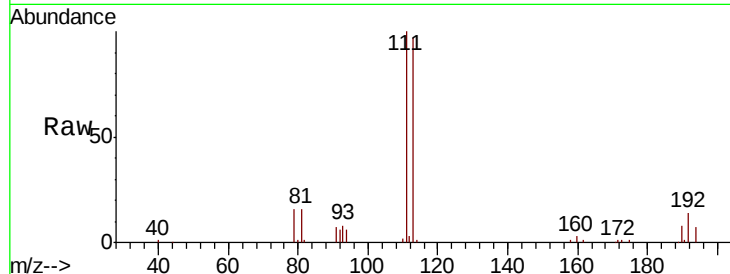




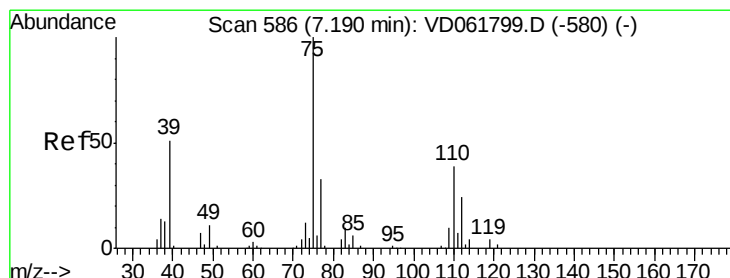
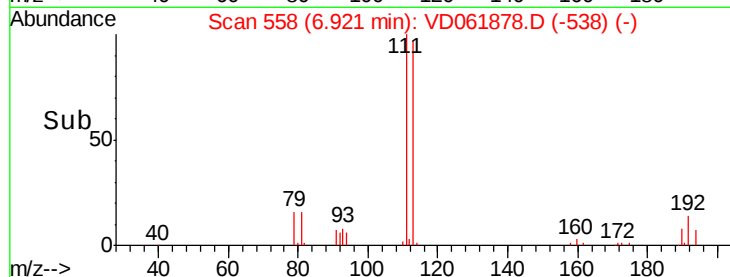
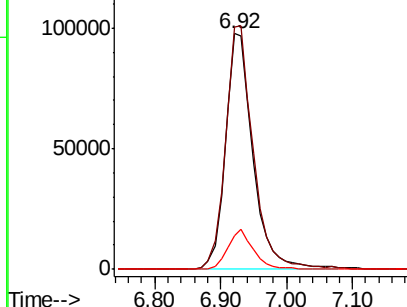
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061878.D
 Acq: 18 Apr 2019 17:03

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 TP-3-D2RE

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	78.5	117.7
192	14.5	13.0	19.4

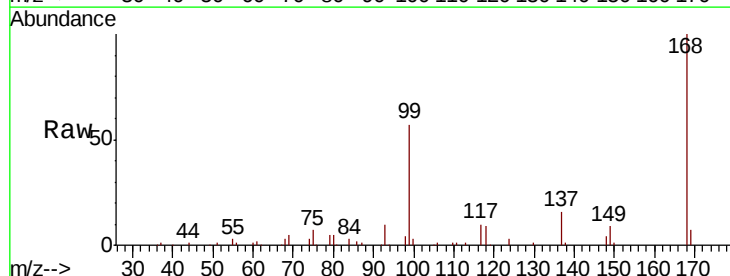


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

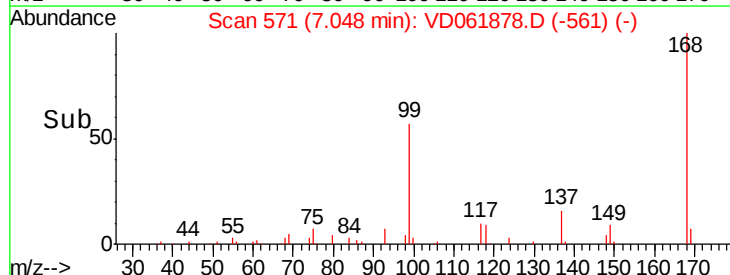
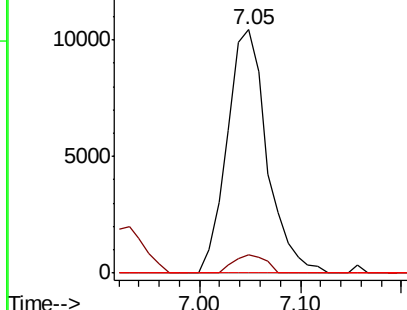


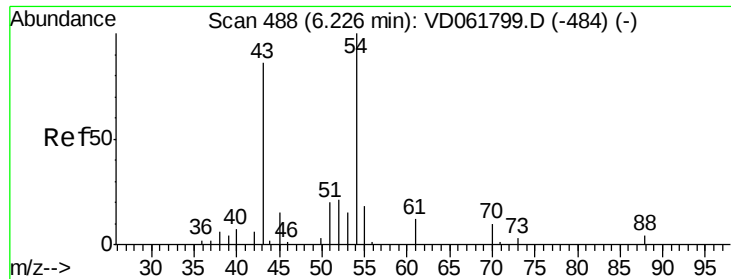
#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD061878.D
 Acq: 18 Apr 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	19.1	57.1#
77	0.0	25.6	38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

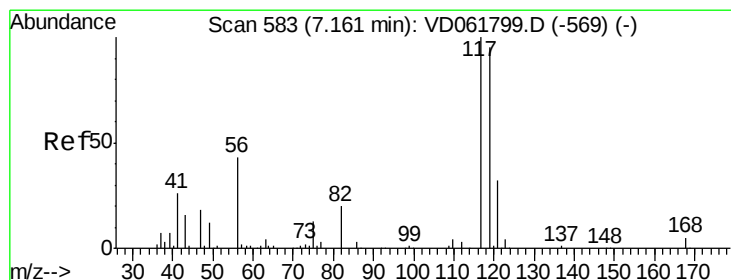
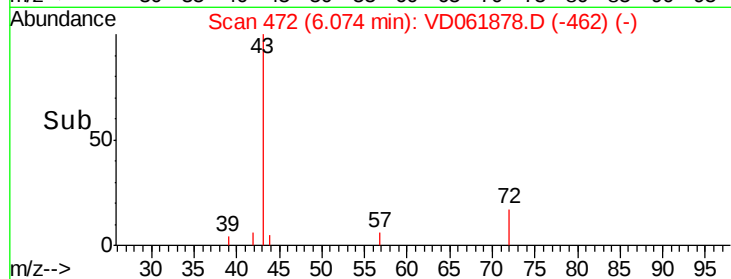
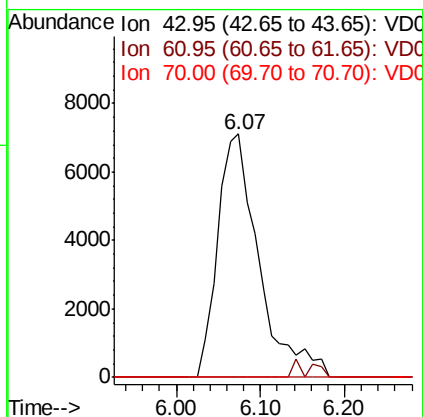
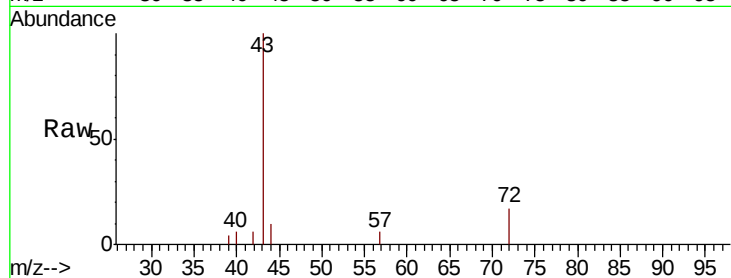




#37
Ethyl Acetate
Concen: 10.418 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.10 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

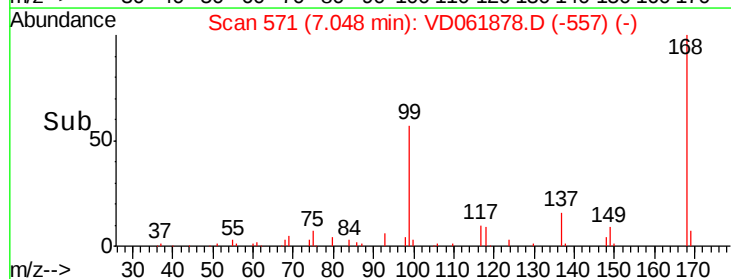
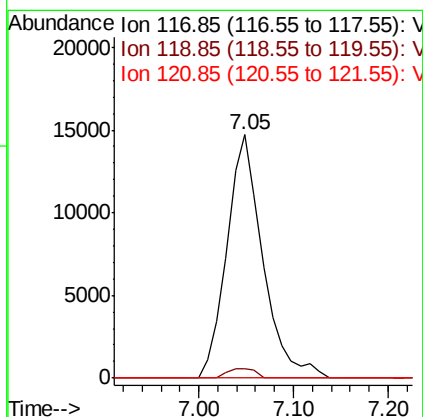
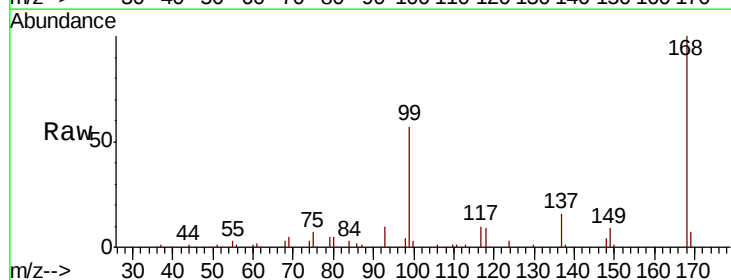
Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2RE

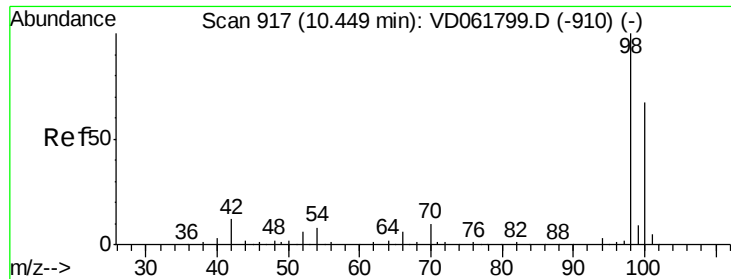
Tgt Ion: 43 Resp: 24179
Ion Ratio Lower Upper
43 100
61 0.0 14.7 22.1#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 5.650 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.06 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

Tgt Ion: 117 Resp: 38684
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 25.9 38.9#

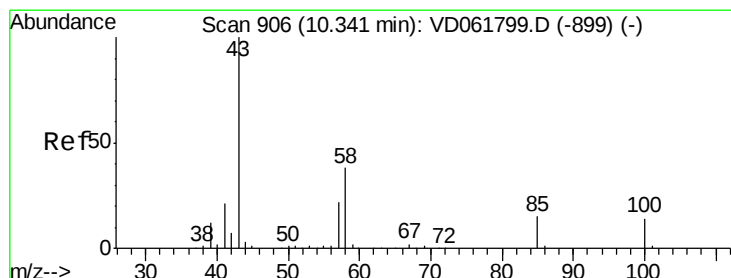
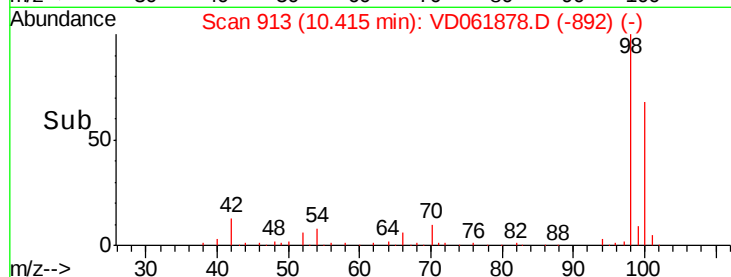
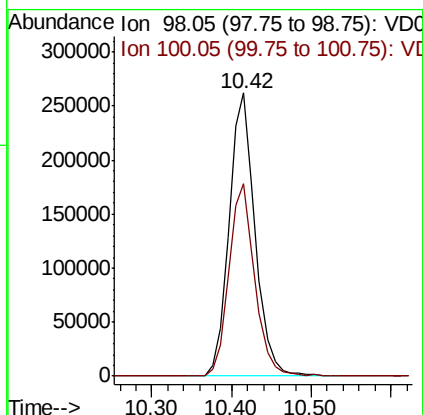
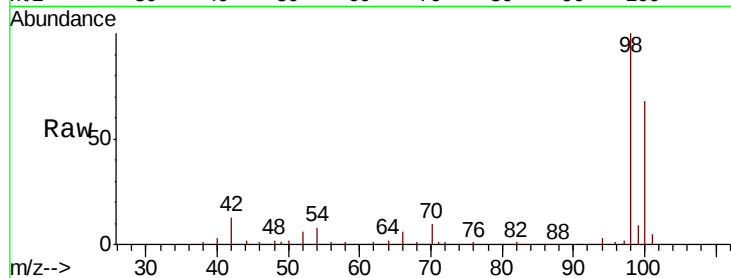




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

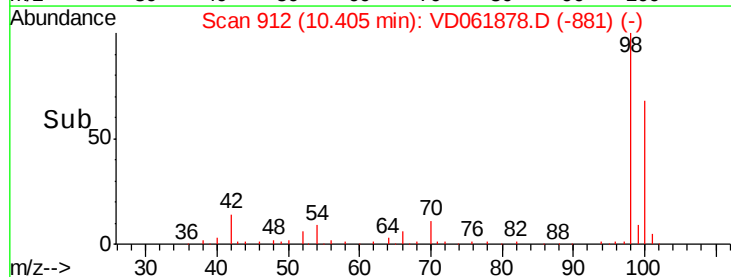
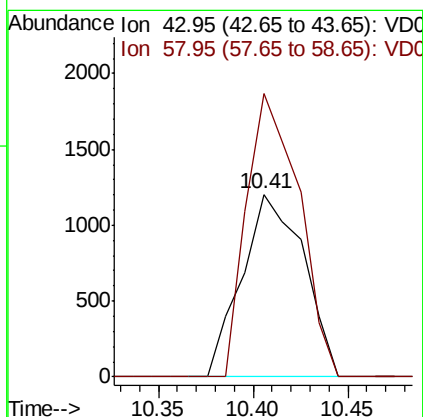
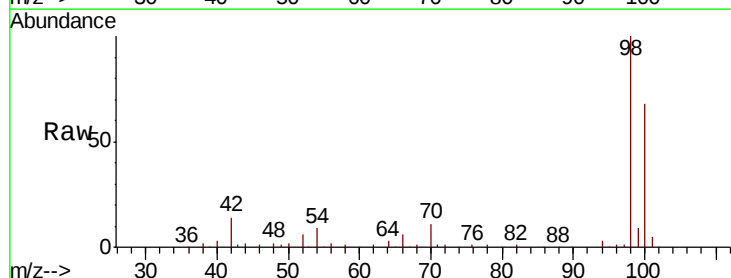
Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2RE

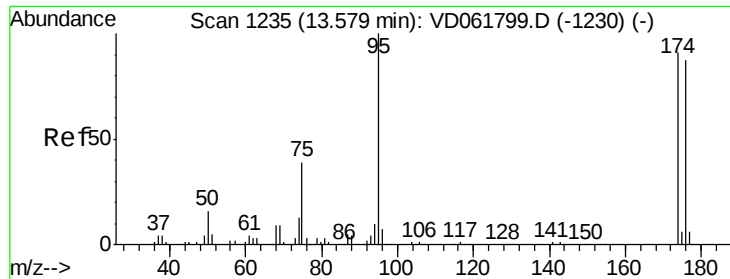
Tgt Ion: 98 Resp: 596140
Ion Ratio Lower Upper
98 100
100 67.8 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.367 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.11 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

Tgt Ion: 43 Resp: 2731
Ion Ratio Lower Upper
43 100
58 154.8 30.4 45.6#

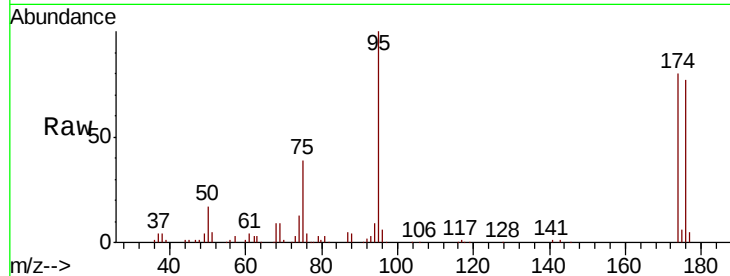




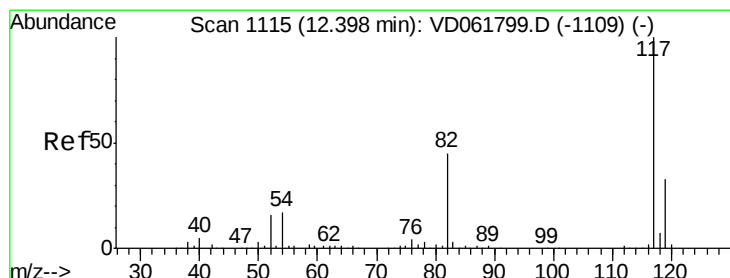
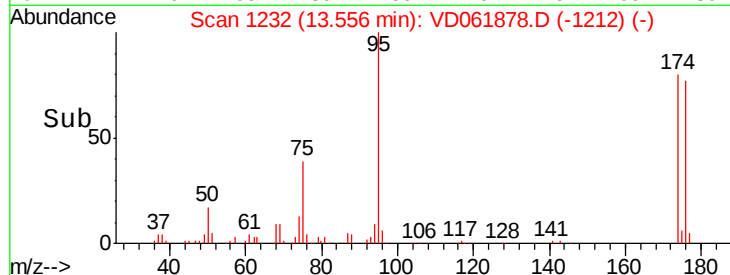
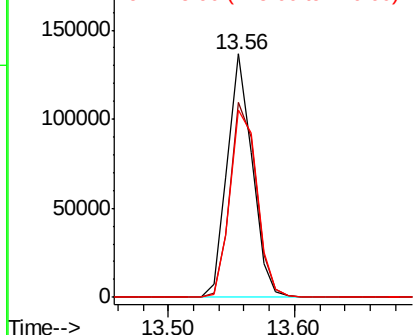
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

Instrument :
MSVOA_D
ClientSampleId :
TP-3-D2RE

Tgt Ion: 95 Resp: 186688
Ion Ratio Lower Upper
95 100
174 80.0 0.0 181.8
176 76.7 0.0 174.4

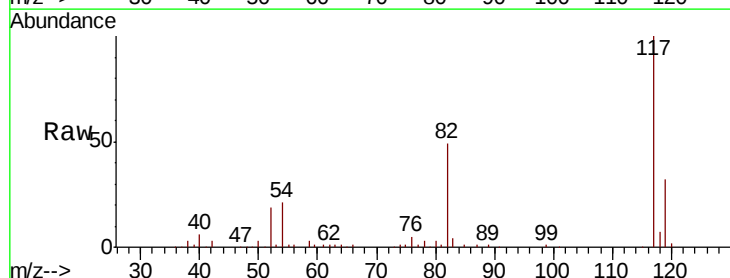


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

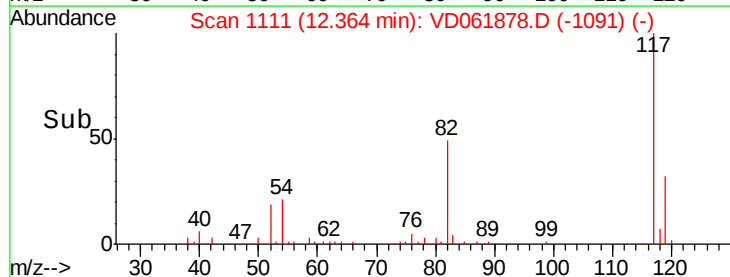
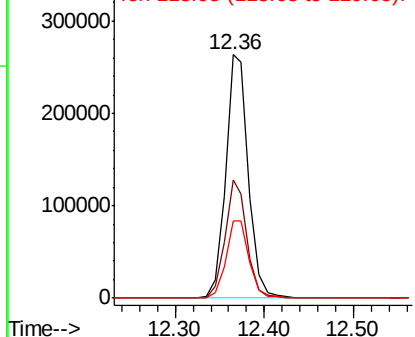


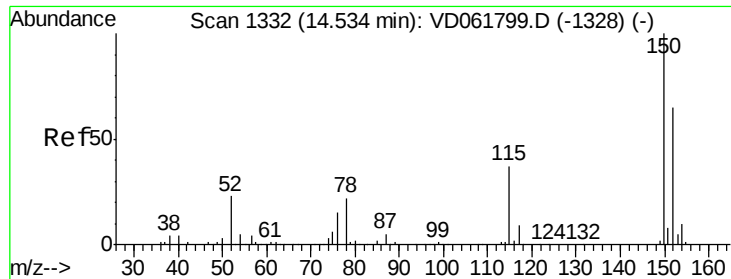
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061878.D
Acq: 18 Apr 2019 17:03

Tgt Ion: 117 Resp: 470466
Ion Ratio Lower Upper
117 100
82 48.7 36.2 54.2
119 31.6 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

Instrument :

MSVOA_D

ClientSampleId :

TP-3-D2RE

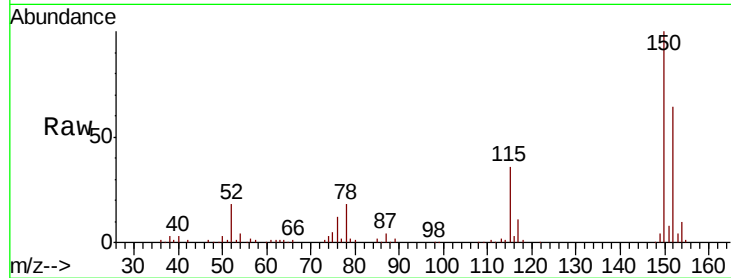
Tgt Ion:152 Resp: 153079

Ion Ratio Lower Upper

152 100

115 55.5 30.9 92.7

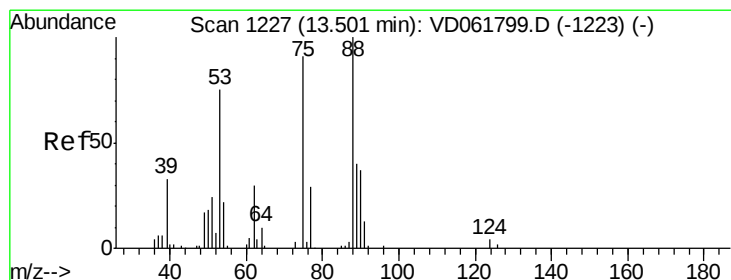
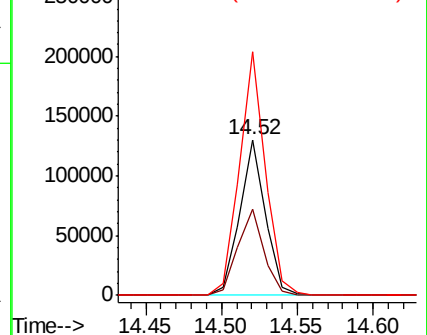
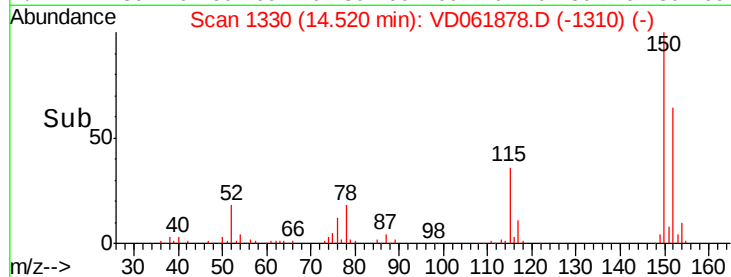
150 156.2 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 103.813 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061878.D

Acq: 18 Apr 2019 17:03

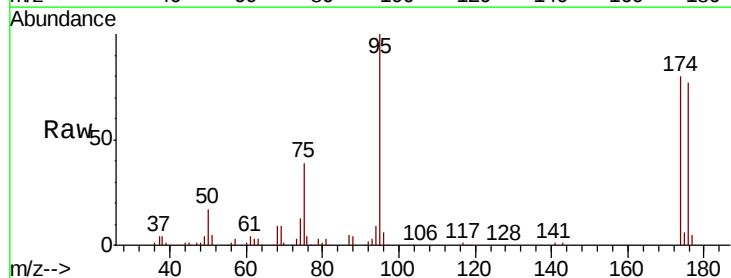
Tgt Ion: 75 Resp: 70140

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

