

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122618\
 Data File : VD060715.D
 Acq On : 26 Dec 2018 15:11
 Operator : VA/AP
 Sample : J6579-01
 Misc : 5.92g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TN-122618-C

Quant Time: Dec 27 01:50:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1498705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2049264	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1593579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	700471	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	541506	52.28	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	6.31	113	718482	47.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	9.43	98	1911128	42.70	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	12.41	95	626644	39.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.96%	

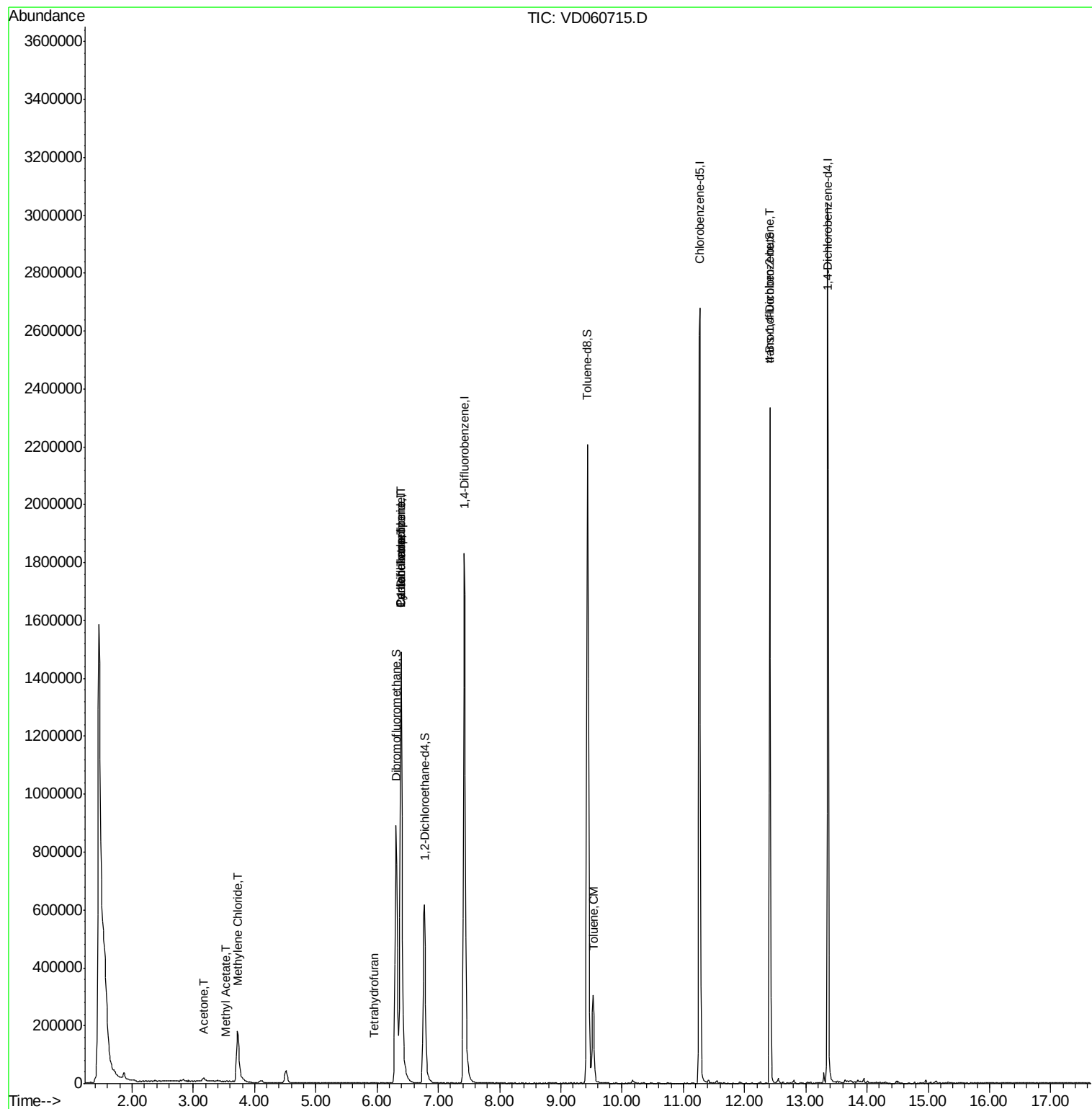
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.16	43	27244	15.063	ug/l #	90
18) Methyl Acetate	3.54	43	4509	1.006	ug/l #	63
20) Methylene Chloride	3.72	84	129428	6.890	ug/l	93
29) Tetrahydrofuran	5.95	42	2554	1.302	ug/l #	53
31) Cyclohexane	6.39	56	30640	1.171	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	108098	5.123	ug/l #	46
38) Carbon Tetrachloride	6.39	117	116976	6.283	ug/l #	17
52) Toluene	9.53	92	151662	4.438	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.41	75	258738	117.415	ug/l #	13

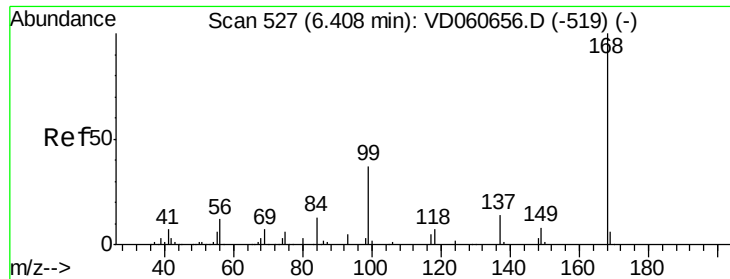
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122618\
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Quant Time: Dec 27 01:50:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 526

Delta R.T. -0.01 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

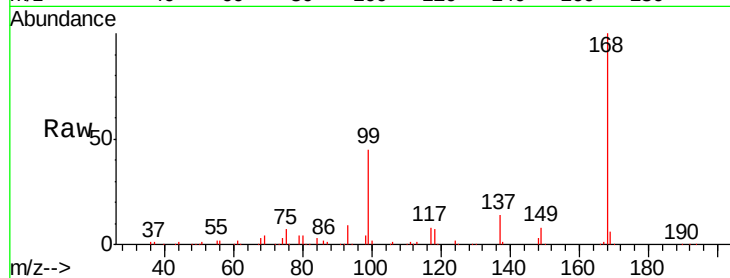
TN-122618-C

Tgt Ion:168 Resp: 1498705

Ion Ratio Lower Upper

168 100

99 45.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

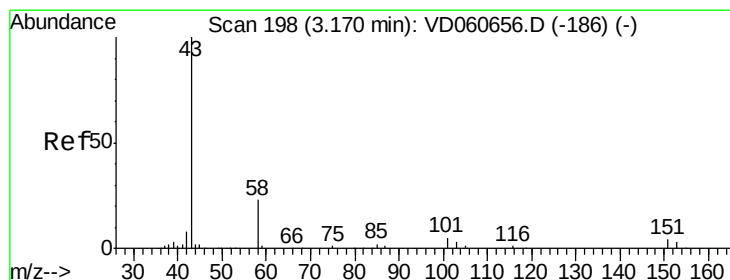
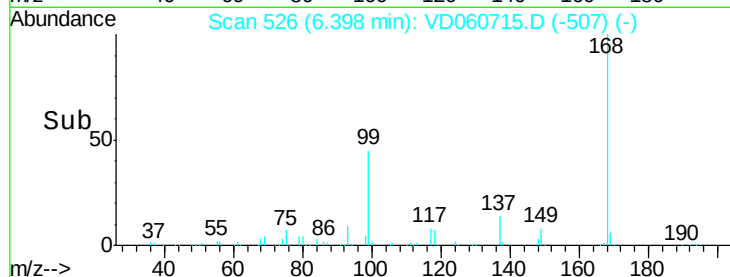
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#16

Acetone

Concen: 15.063 ug/l

RT: 3.16 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD060715.D

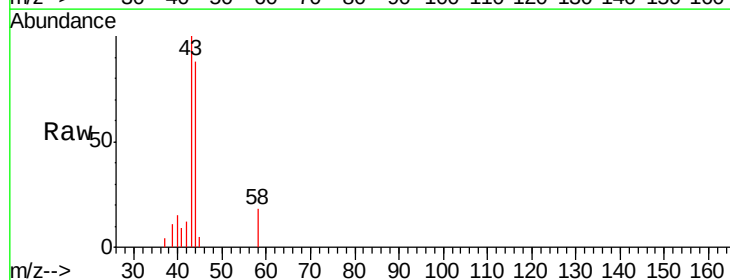
Acq: 26 Dec 2018 15:11

Tgt Ion: 43 Resp: 27244

Ion Ratio Lower Upper

43 100

58 17.8 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8000

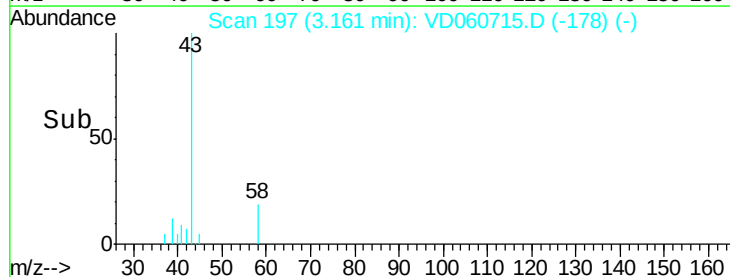
6000

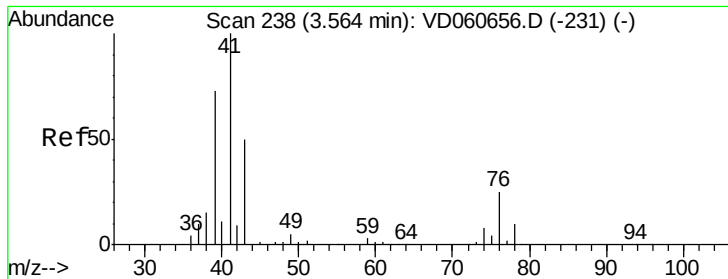
4000

2000

0

Time--> 3.10 3.20 3.30





#18

Methyl Acetate

Concen: 1.006 ug/l

RT: 3.54 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

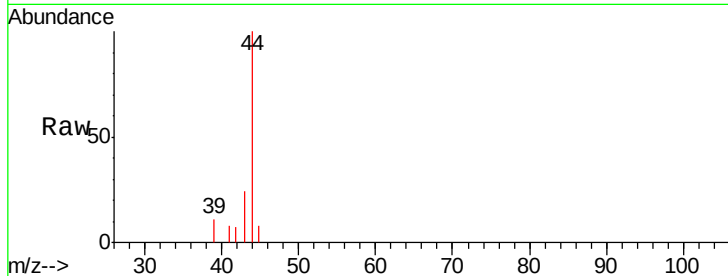
TN-122618-C

Tgt Ion: 43 Resp: 4509

Ion Ratio Lower Upper

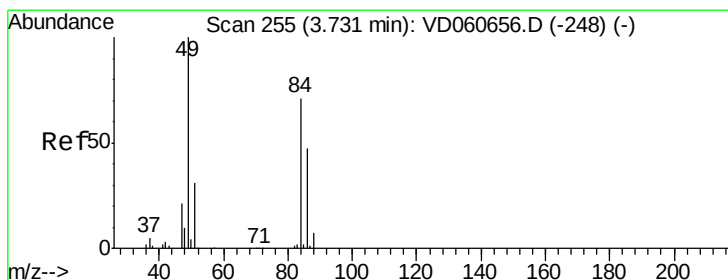
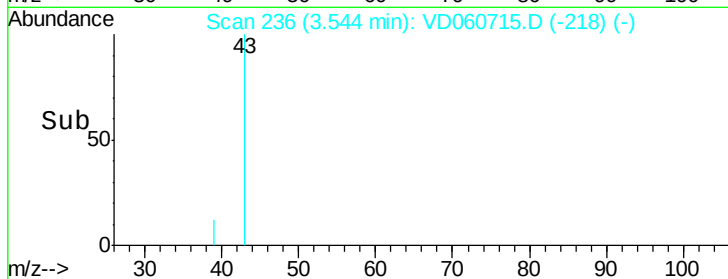
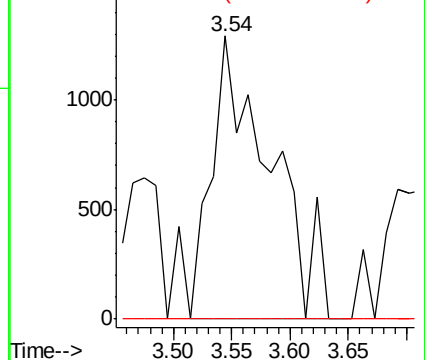
43 100

74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 6.890 ug/l

RT: 3.72 min Scan# 254

Delta R.T. -0.01 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

Tgt Ion: 84 Resp: 129428

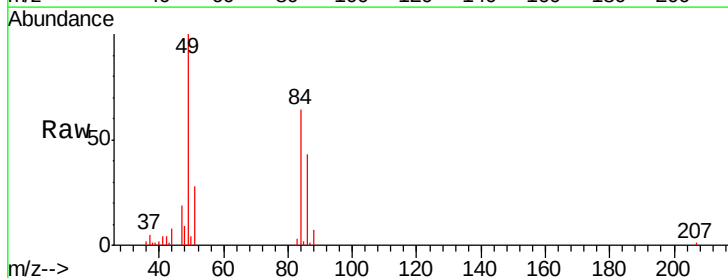
Ion Ratio Lower Upper

84 100

49 156.3 113.6 170.4

51 44.2 34.7 52.1

86 67.9 52.8 79.2

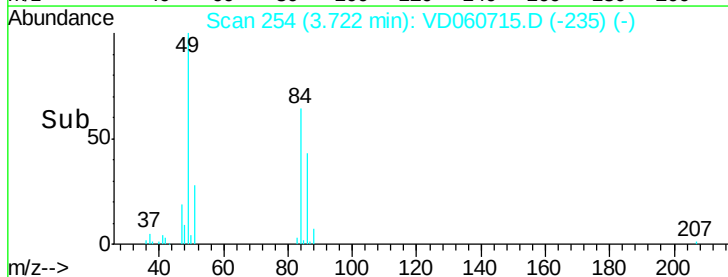
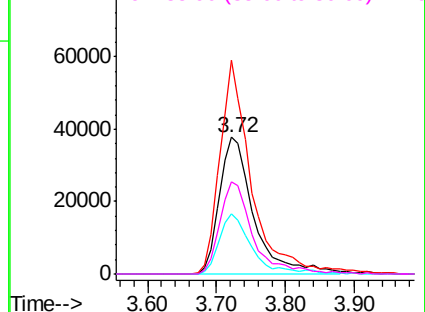


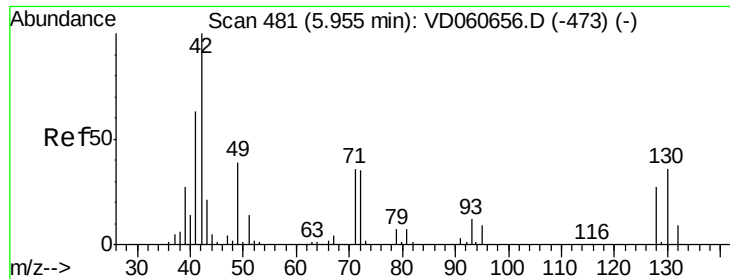
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

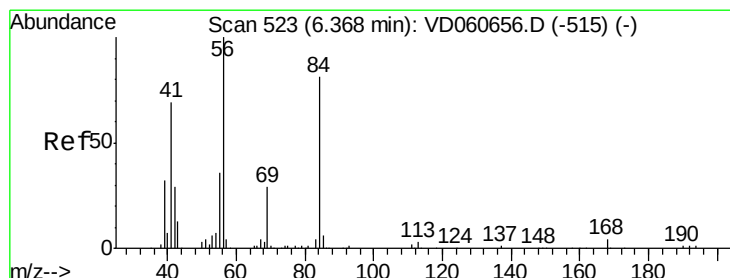
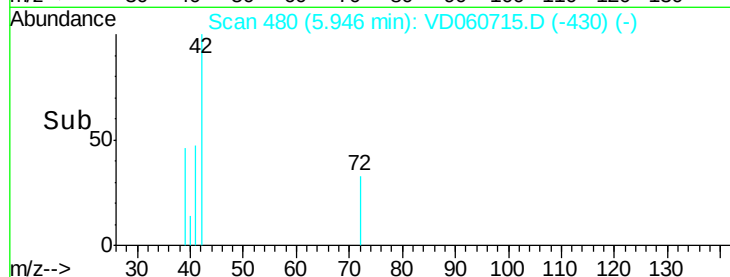
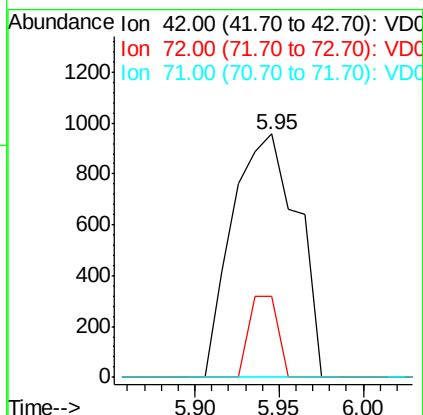
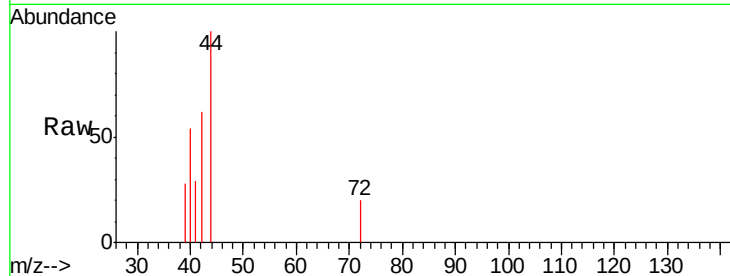




#29
Tetrahydrofuran
Concen: 1.302 ug/l
RT: 5.95 min Scan# 480
Delta R.T. -0.01 min
Lab File: VD060715.D
Acq: 26 Dec 2018 15:11

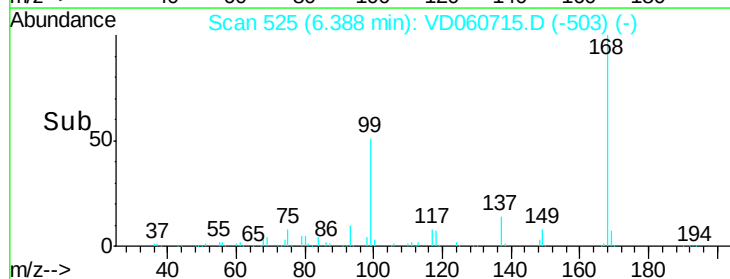
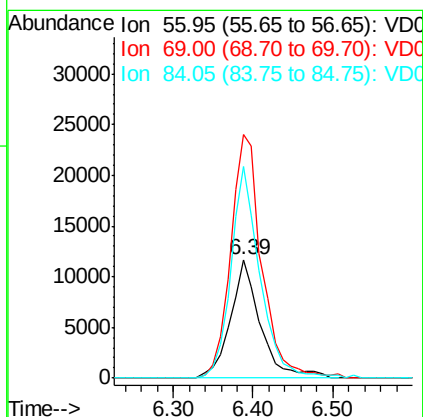
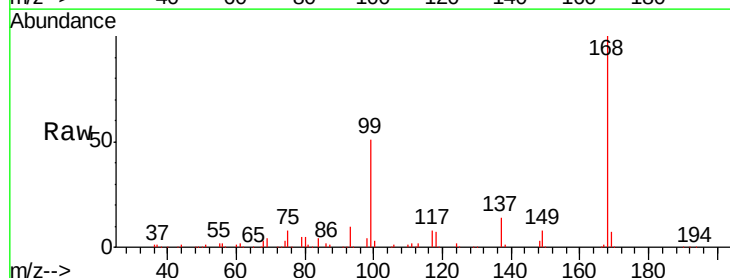
Instrument :
MSVOA_D
ClientSampleId :
TN-122618-C

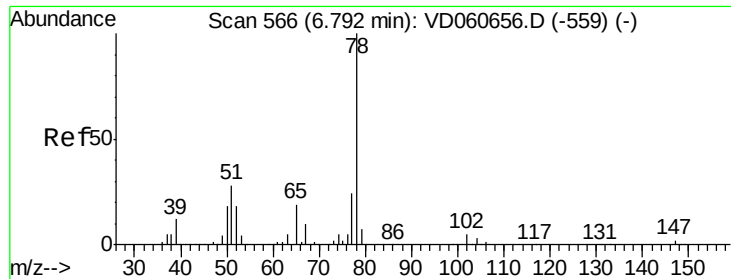
Tgt Ion: 42 Resp: 2554
Ion Ratio Lower Upper
42 100
72 14.6 28.0 42.0#
71 0.0 27.0 40.6#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 6.39 min Scan# 525
Delta R.T. 0.02 min
Lab File: VD060715.D
Acq: 26 Dec 2018 15:11

Tgt Ion: 56 Resp: 30640
Ion Ratio Lower Upper
56 100
69 205.2 23.6 35.4#
84 178.7 65.8 98.6#

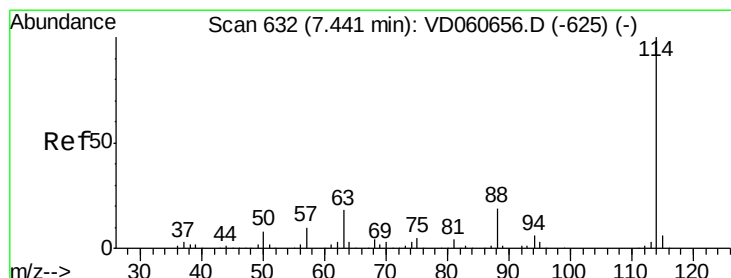
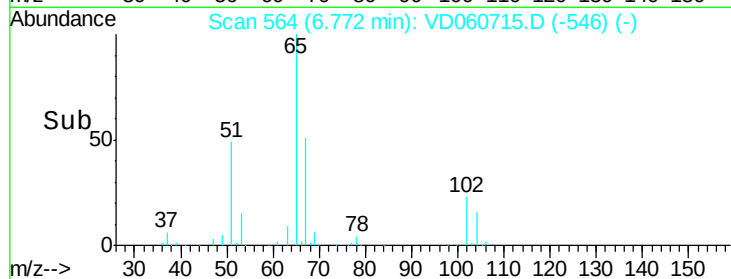
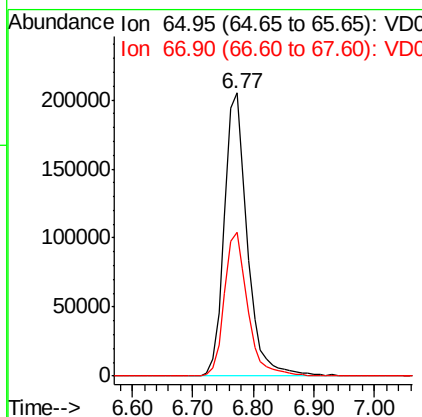
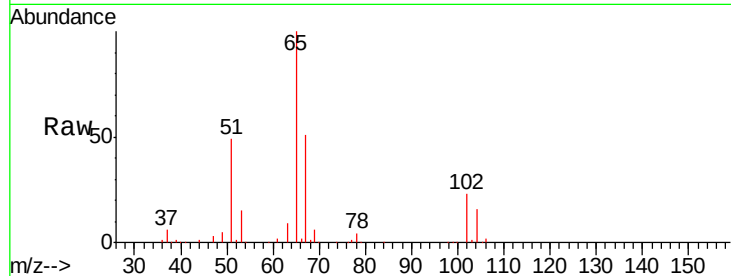




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD060715.D
 Acq: 26 Dec 2018 15:11

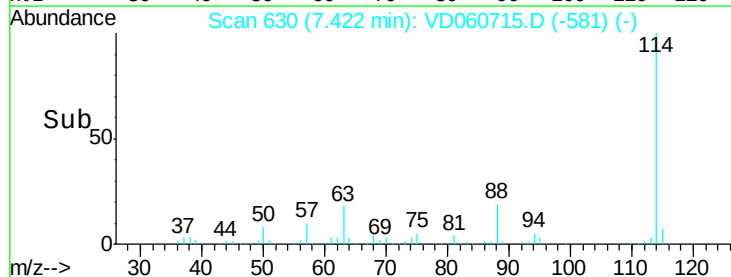
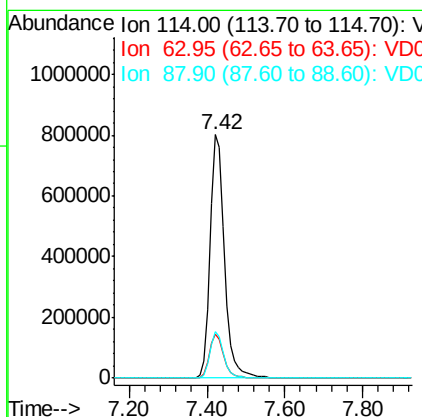
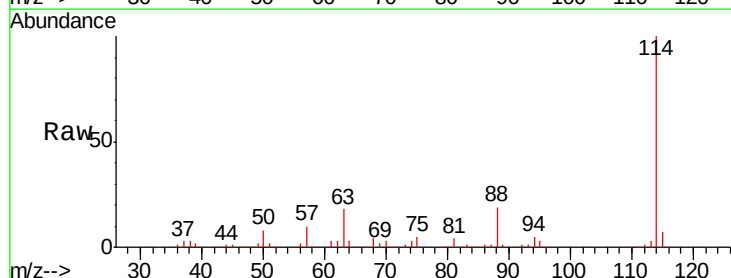
Instrument :
 MSVOA_D
 ClientSampleId :
 TN-122618-C

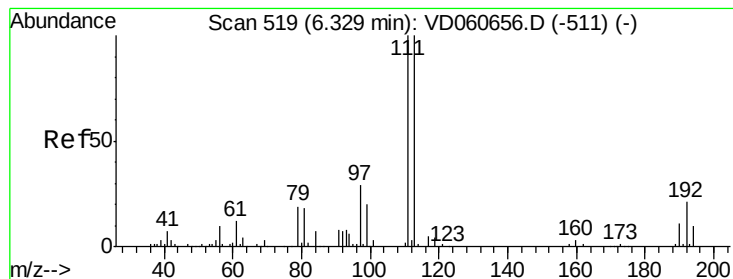
Tgt Ion: 65 Resp: 541506
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VD060715.D
 Acq: 26 Dec 2018 15:11

Tgt Ion: 114 Resp: 2049264
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.2
 88 19.0 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 517

Delta R.T. -0.02 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

TN-122618-C

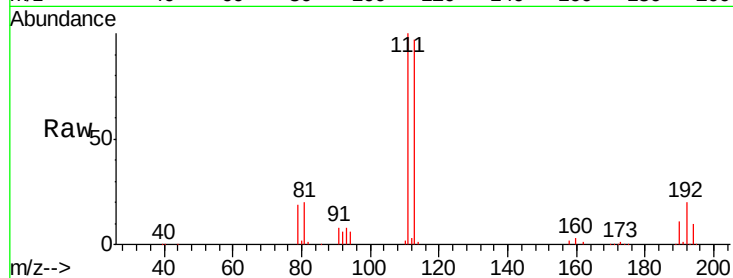
Tgt Ion:113 Resp: 718482

Ion Ratio Lower Upper

113 100

111 103.5 80.0 120.0

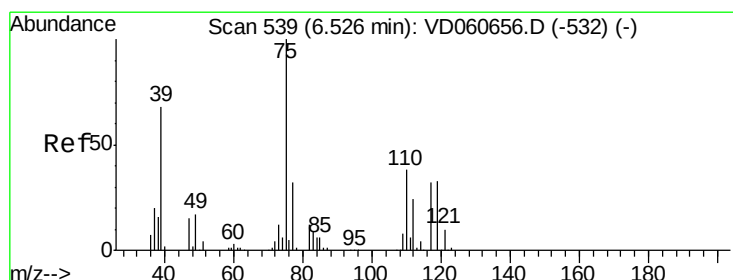
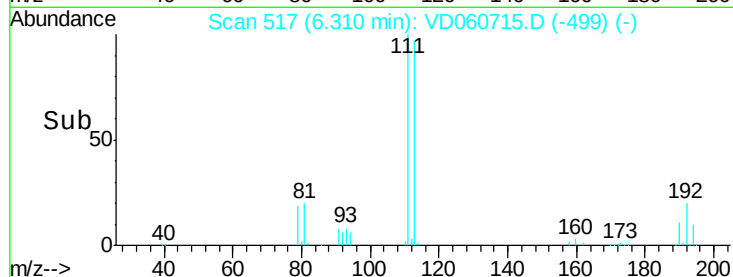
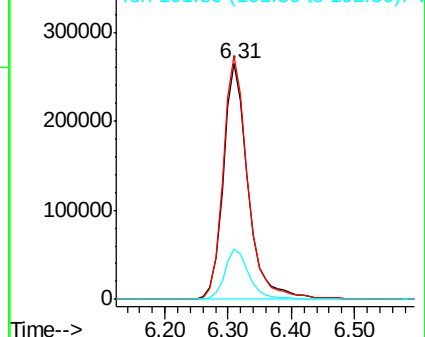
192 21.2 16.6 25.0



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: 5.123 ug/l

RT: 6.39 min Scan# 525

Delta R.T. -0.14 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

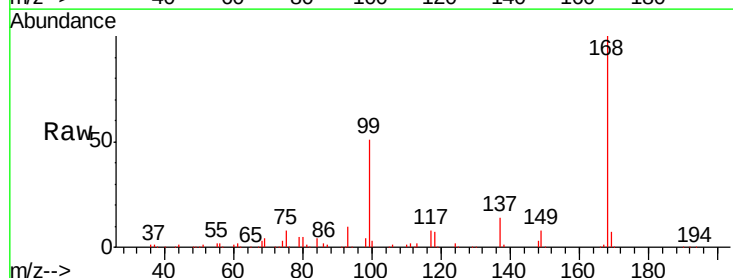
Tgt Ion: 75 Resp: 108098

Ion Ratio Lower Upper

75 100

110 6.8 18.9 56.7#

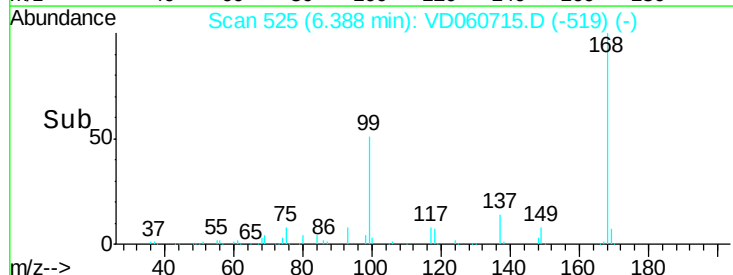
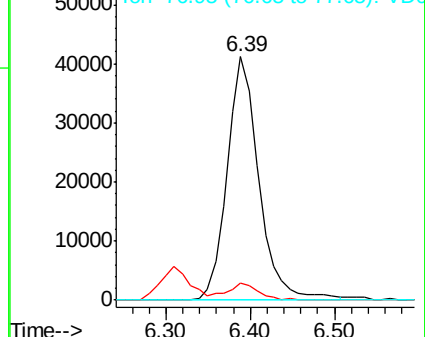
77 0.0 25.4 38.0#

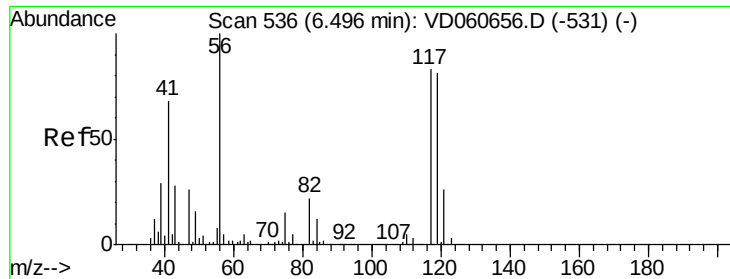


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.283 ug/l

RT: 6.39 min Scan# 525

Delta R.T. -0.11 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

Instrument :

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ClientSampleId :

TN-122618-C

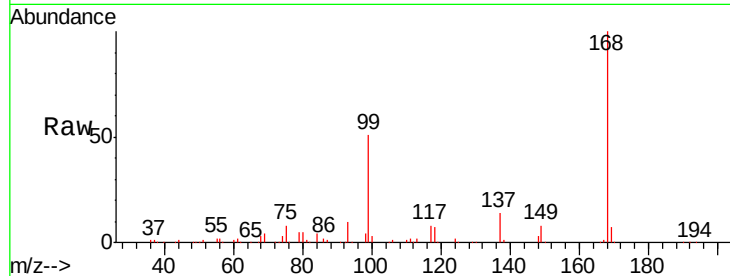
Tgt Ion:117 Resp: 116976

Ion Ratio Lower Upper

117 100

119 6.4 77.0 115.4#

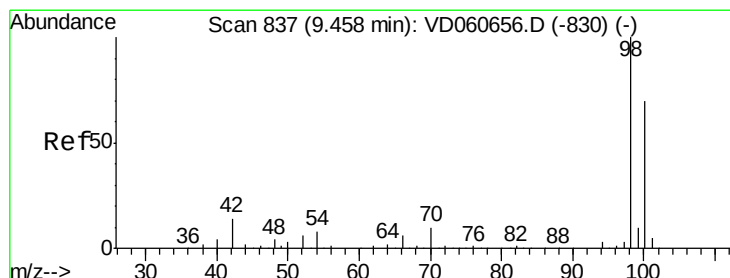
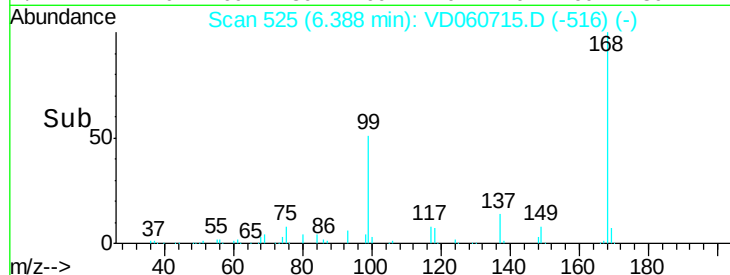
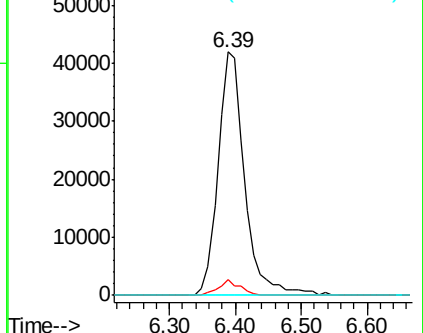
121 0.0 24.7 37.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.43 min Scan# 834

Delta R.T. -0.03 min

Lab File: VD060715.D

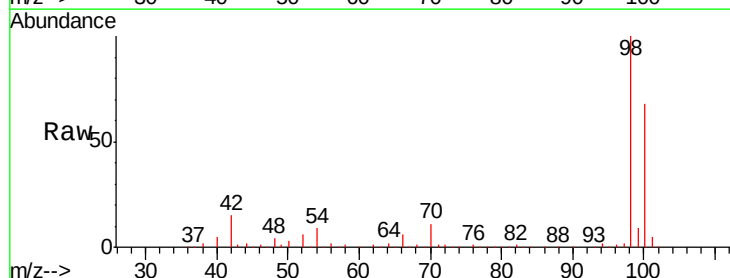
Acq: 26 Dec 2018 15:11

Tgt Ion: 98 Resp: 1911128

Ion Ratio Lower Upper

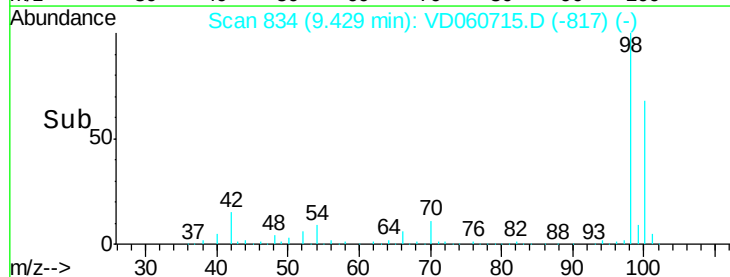
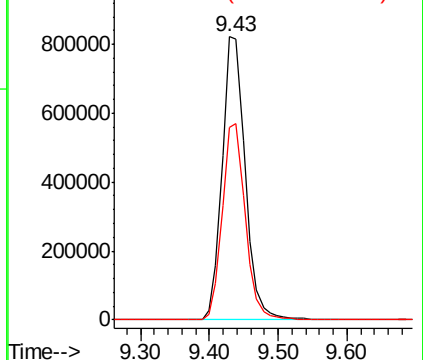
98 100

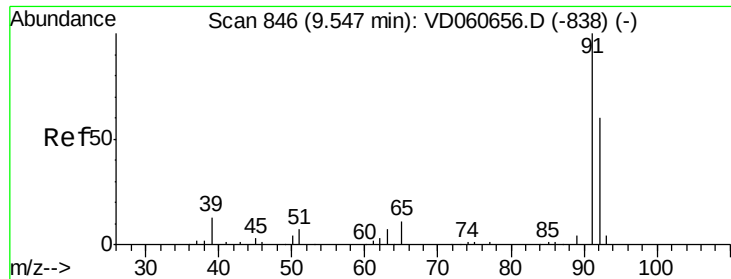
100 68.2 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 4.438 ug/l

RT: 9.53 min Scan# 844

Delta R.T. -0.02 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

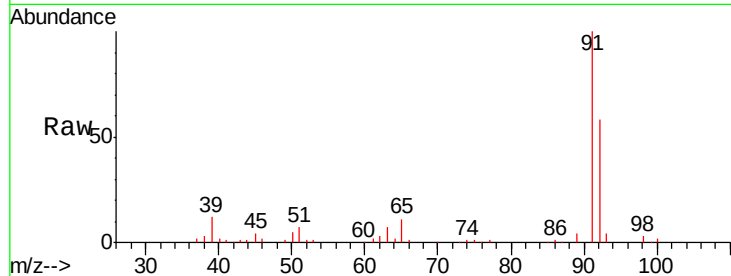
TN-122618-C

Tgt Ion: 92 Resp: 151662

Ion Ratio Lower Upper

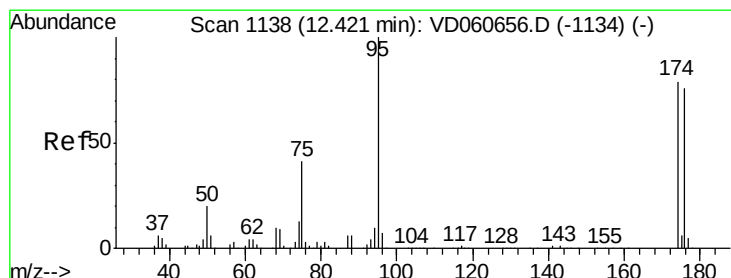
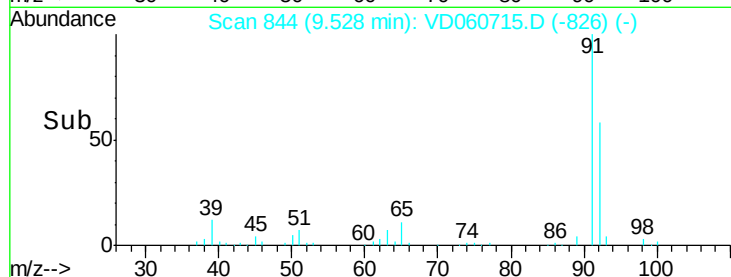
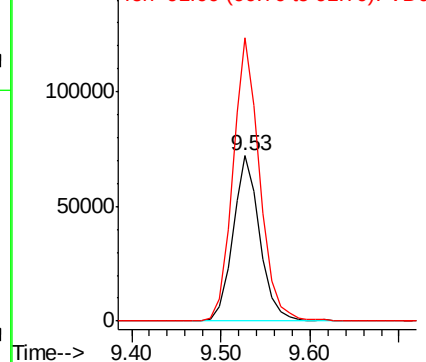
92 100

91 171.2 132.6 199.0



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# 1137

Delta R.T. -0.01 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

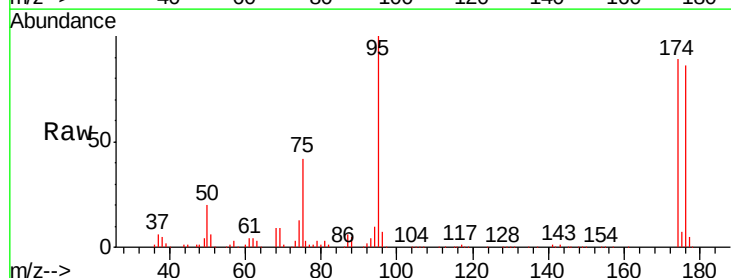
Tgt Ion: 95 Resp: 626644

Ion Ratio Lower Upper

95 100

174 89.2 0.0 158.2

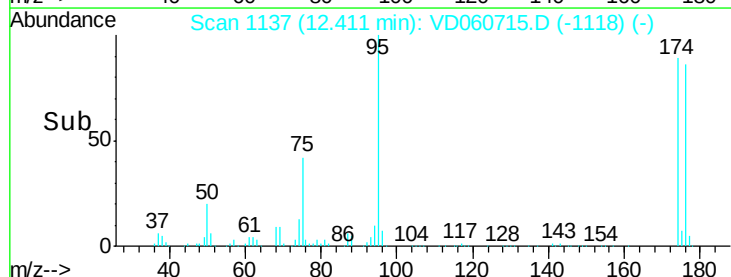
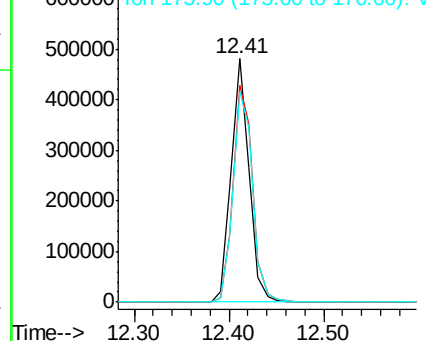
176 86.4 0.0 152.4

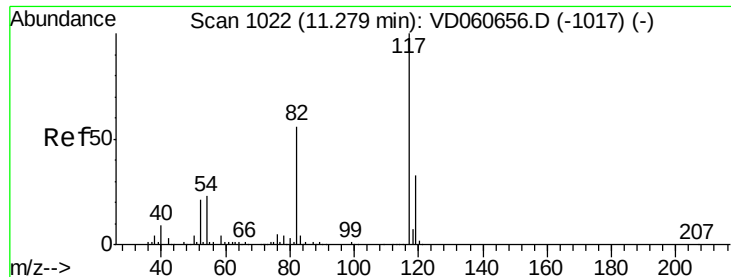


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

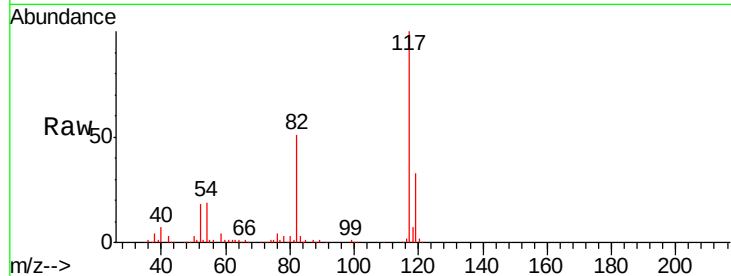




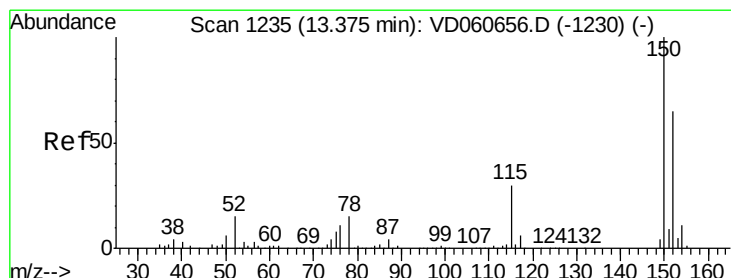
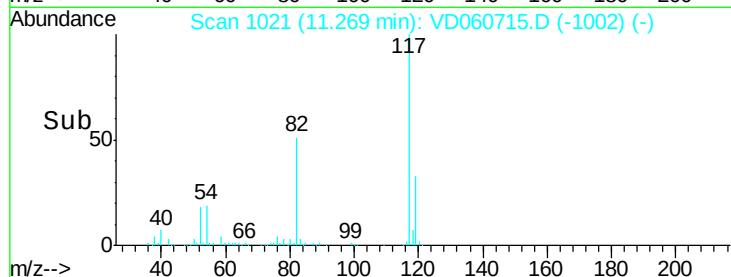
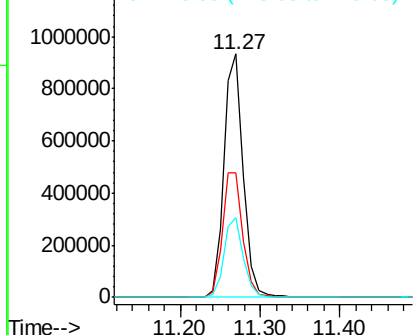
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VD060715.D
Acq: 26 Dec 2018 15:11

Instrument :
MSVOA_D
ClientSampleId :
TN-122618-C

Tgt Ion:117 Resp: 1593579
Ion Ratio Lower Upper
117 100
82 51.3 44.5 66.7
119 32.6 26.3 39.5

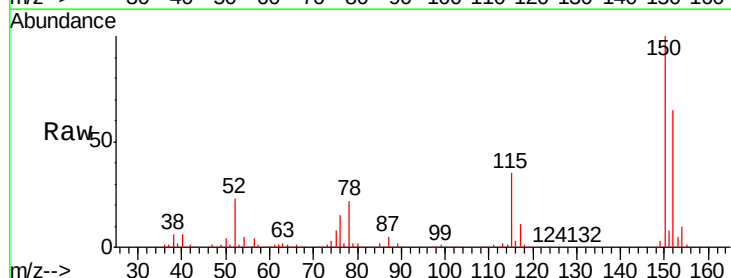


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

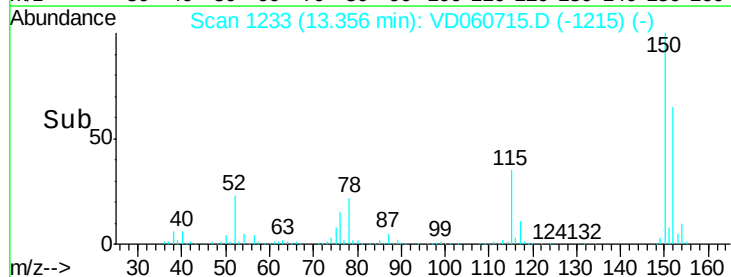
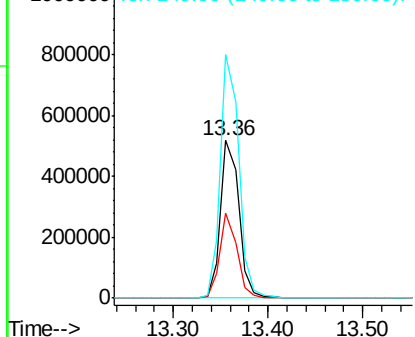


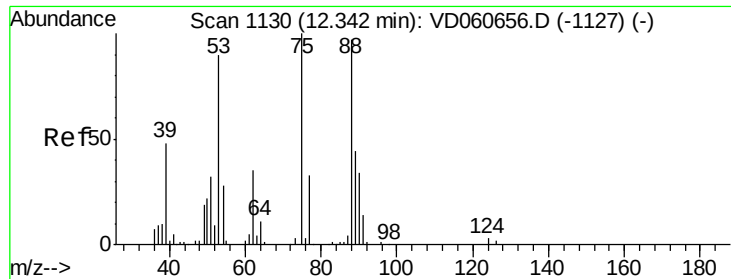
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1233
Delta R.T. -0.02 min
Lab File: VD060715.D
Acq: 26 Dec 2018 15:11

Tgt Ion:152 Resp: 700471
Ion Ratio Lower Upper
152 100
115 54.0 24.1 72.3
150 154.3 0.0 315.0



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: 117.415 ug/l

RT: 12.41 min Scan# 1137

Delta R.T. 0.07 min

Lab File: VD060715.D

Acq: 26 Dec 2018 15:11

Instrument :

MSVOA_D

ClientSampleId :

TN-122618-C

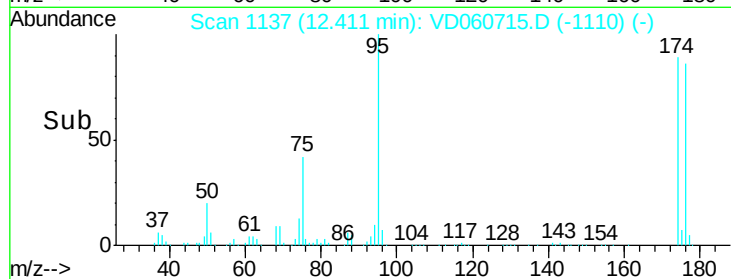
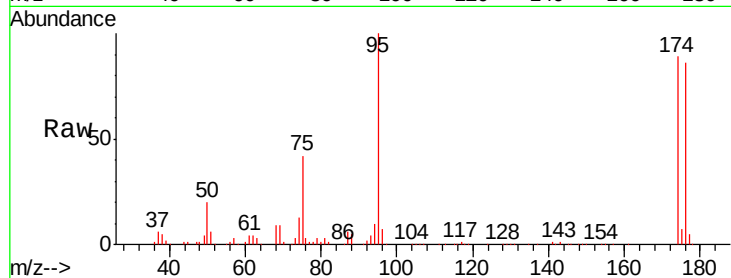
Tgt Ion: 75 Resp: 258738

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

