

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063719.D
 Acq On : 21 Aug 2019 18:04
 Operator : JC/SY
 Sample : K4404-03
 Misc : 6.64g/5ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-L-(0)

Quant Time: Aug 22 01:28:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	691568	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1062700	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	809076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	369474	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	503168	68.07	ug/l	-0.02
Spiked Amount			Recovery	=	136.14%	
35) Dibromofluoromethane	6.92	113	530637	59.29	ug/l	-0.02
Spiked Amount			Recovery	=	118.58%	
50) Toluene-d8	10.41	98	1012957	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	13.55	95	408958	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

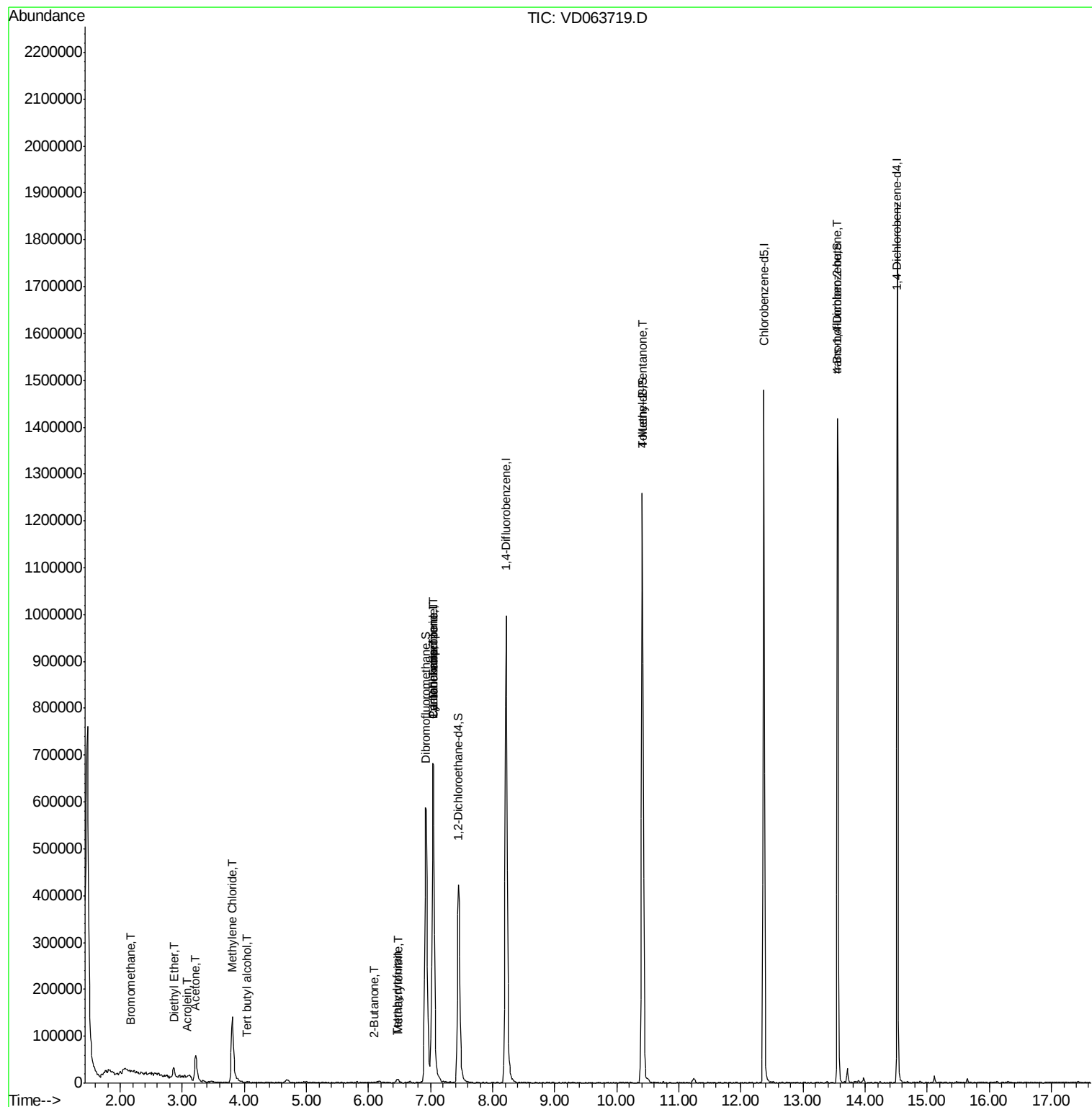
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	3390	1.107	ug/l #	11
8) Diethyl Ether	2.86	74	6920	3.850	ug/l	62
11) Tert butyl alcohol	4.05	59	599	1.861	ug/l #	71
13) Acrolein	3.07	56	343	1.083	ug/l #	1
16) Acetone	3.22	43	111457	74.170	ug/l	94
20) Methylene Chloride	3.81	84	89441	13.765	ug/l #	95
25) 2-Butanone	6.09	43	1774	1.195	ug/l #	58
29) Tetrahydrofuran	6.46	42	5505	7.960	ug/l #	80
31) Cyclohexane	7.04	56	14530	2.177	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	49731	5.294	ug/l #	50
38) Carbon Tetrachloride	7.05	117	62956	4.446	ug/l #	18
41) Methacrylonitrile	6.47	41	5436	1.097	ug/l #	86
51) 4-Methyl-2-Pentanone	10.40	43	5389	1.494	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	190864	167.470	ug/l #	1

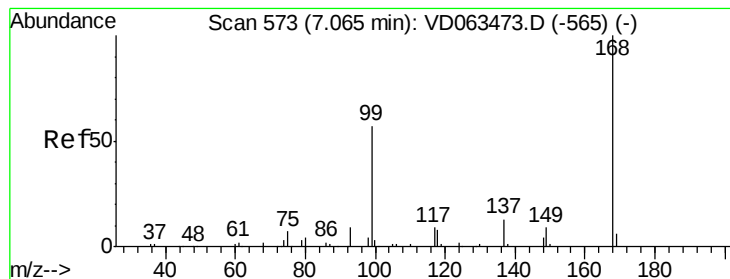
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
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ClientSampleId :
T1-L-(0)

Quant Time: Aug 22 01:28:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampled :

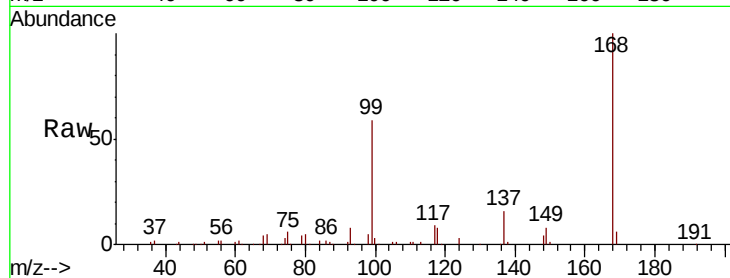
T1-L-(0)

Tgt Ion:168 Resp: 691568

Ion Ratio Lower Upper

168 100

99 58.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

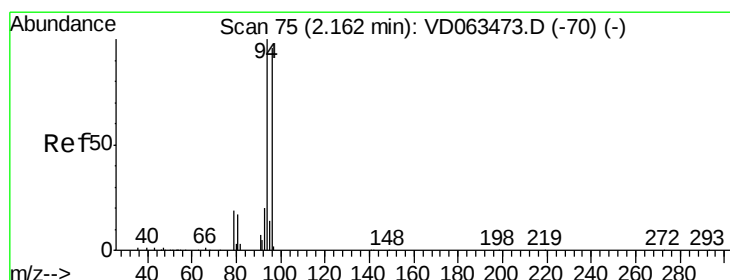
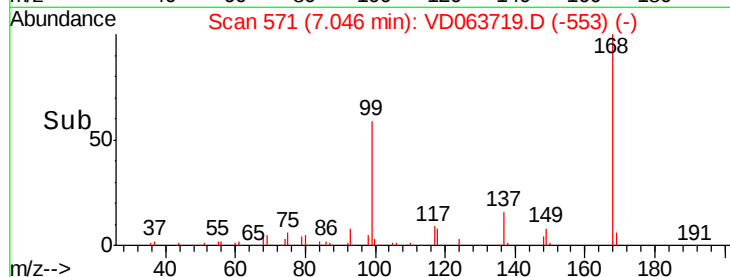
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.107 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.02 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

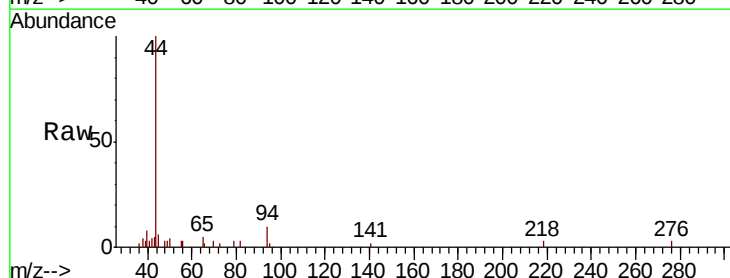
Tgt Ion: 94 Resp: 3390

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



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

2500

2000

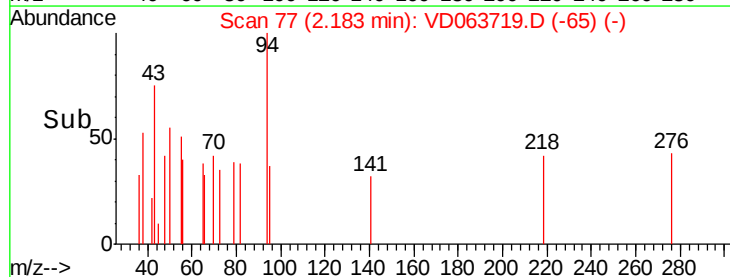
1500

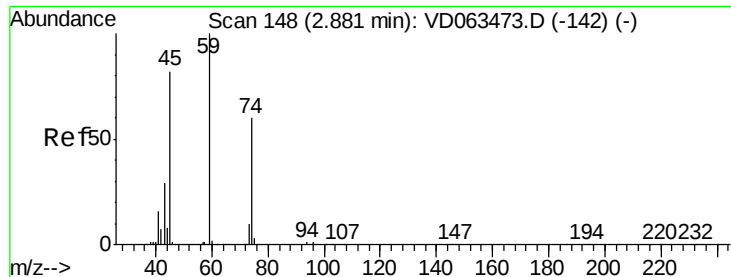
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 3.850 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

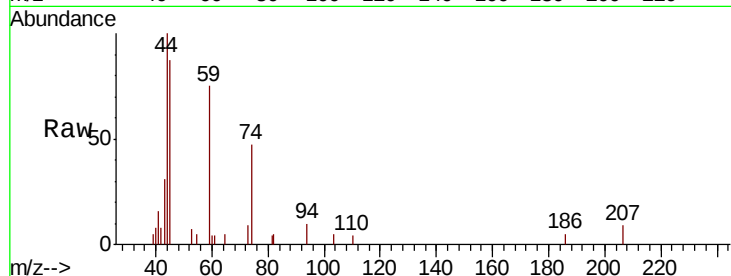
T1-L-(0)

Tgt Ion: 74 Resp: 6920

Ion Ratio Lower Upper

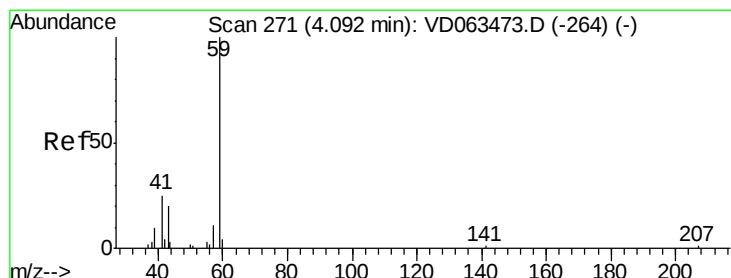
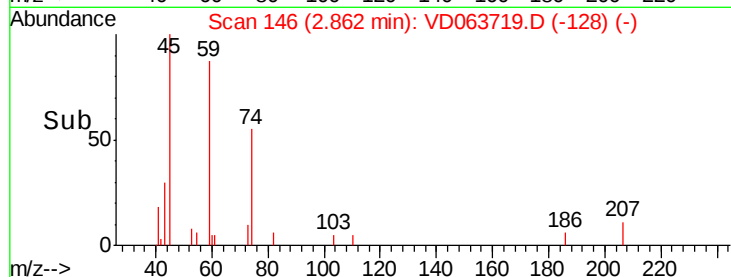
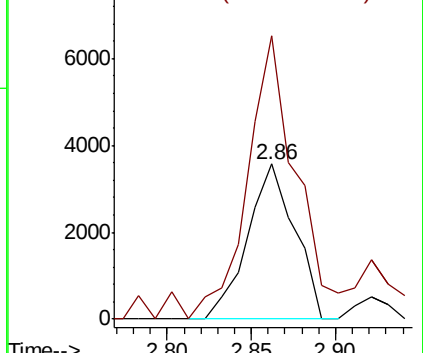
74 100

45 182.5 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 1.861 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.04 min

Lab File: VD063719.D

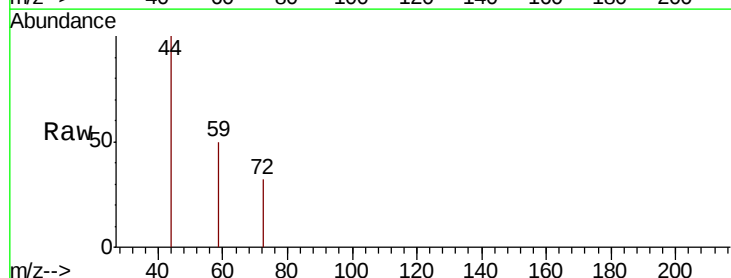
Acq: 21 Aug 2019 18:04

Tgt Ion: 59 Resp: 599

Ion Ratio Lower Upper

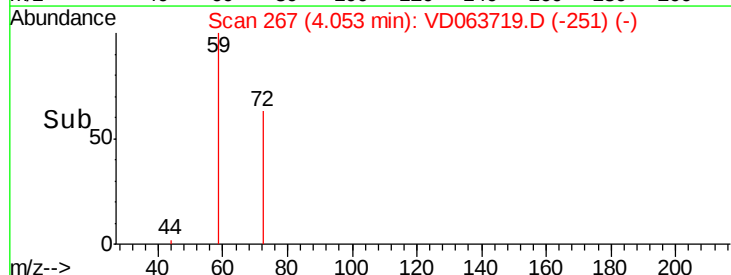
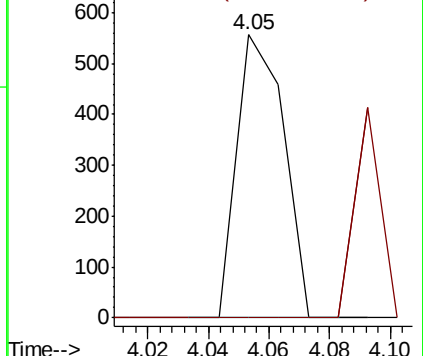
59 100

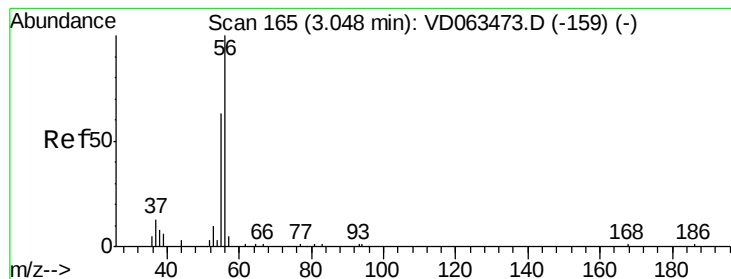
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.083 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.02 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampled :

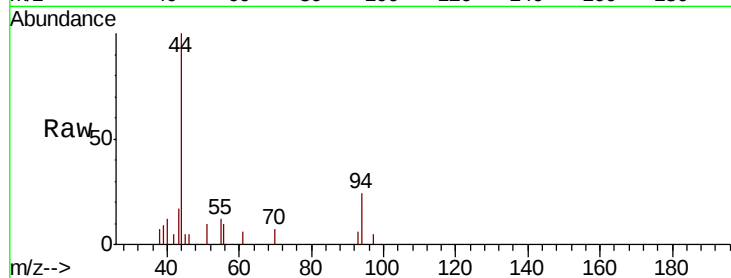
T1-L-(0)

Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

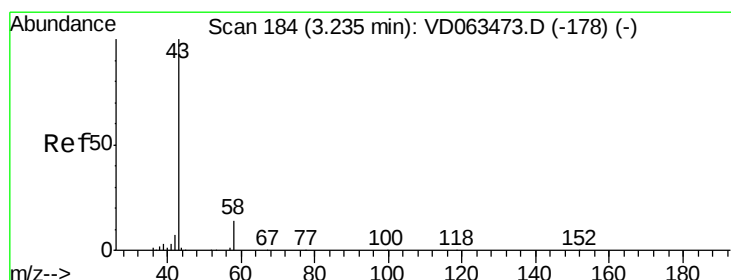
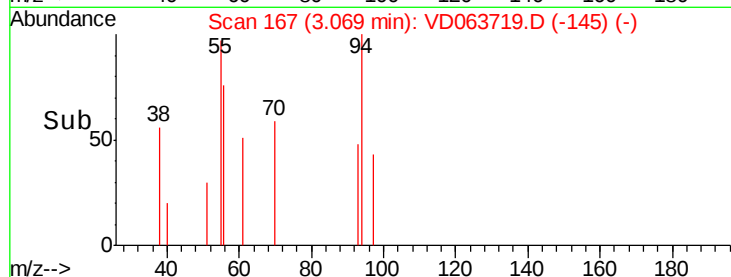
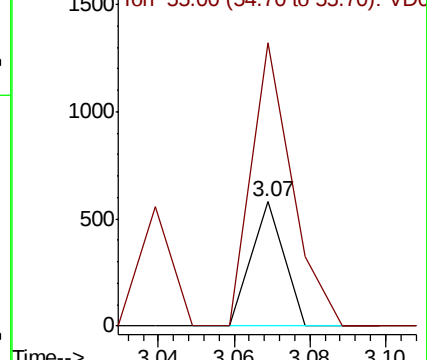
56 100

55 227.6 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 74.170 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063719.D

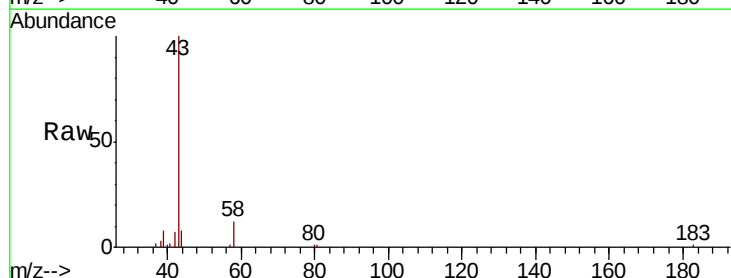
Acq: 21 Aug 2019 18:04

Tgt Ion: 43 Resp: 111457

Ion Ratio Lower Upper

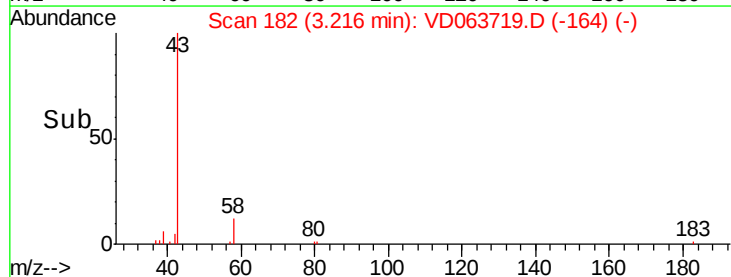
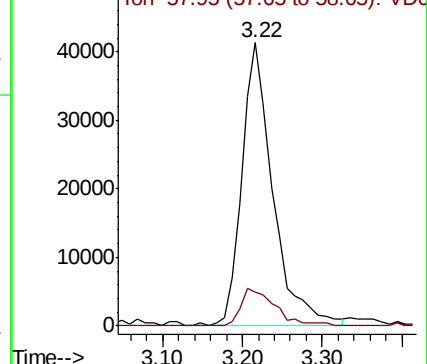
43 100

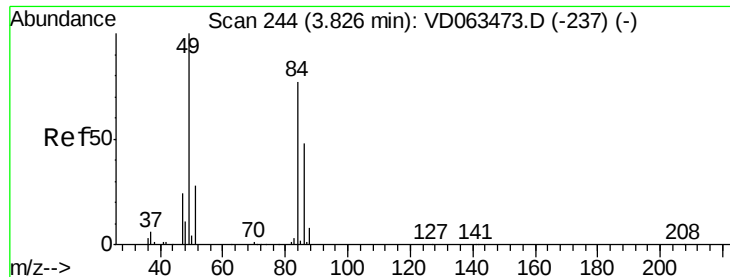
58 11.9 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

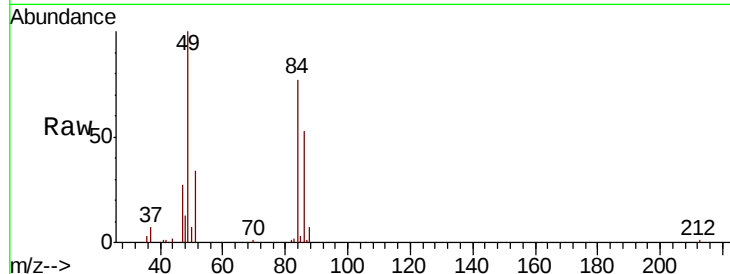




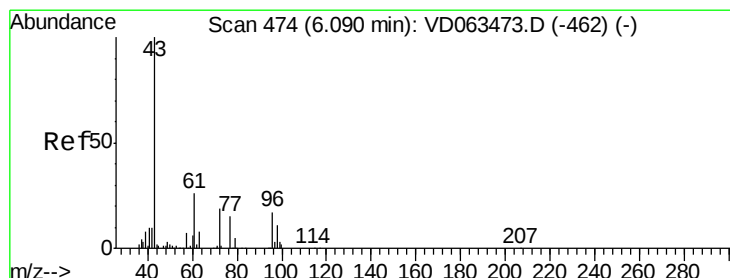
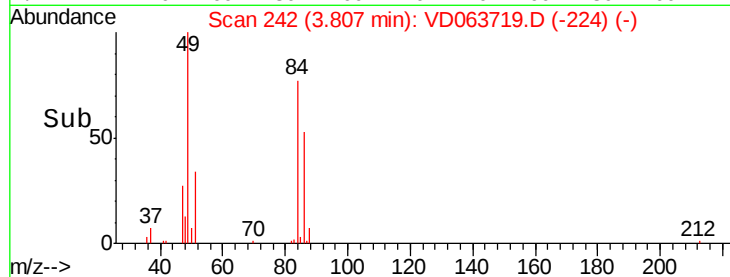
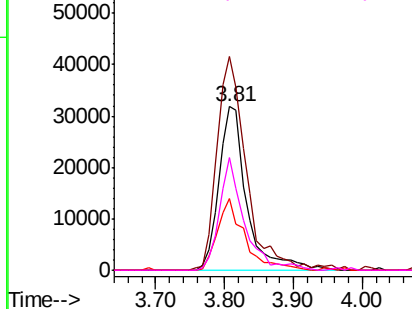
#20
Methylene Chloride
Concen: 13.765 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063719.D
Acq: 21 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T1-L-(0)

Tgt Ion: 84 Resp: 89441
Ion Ratio Lower Upper
84 100
49 130.4 103.4 155.2
51 43.8 28.5 42.7#
86 68.9 49.4 74.2

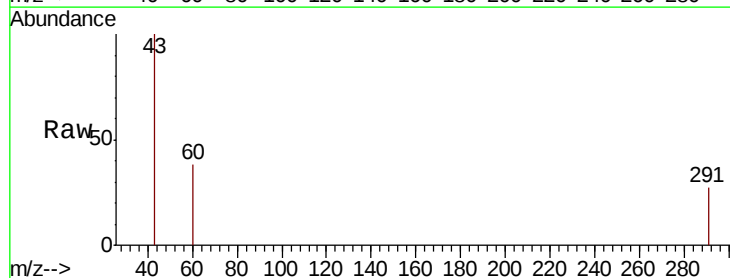


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

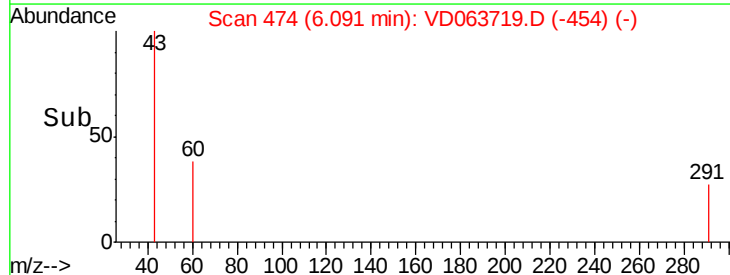
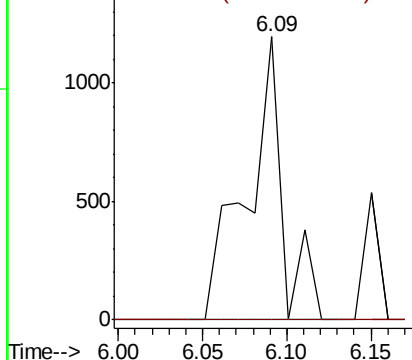


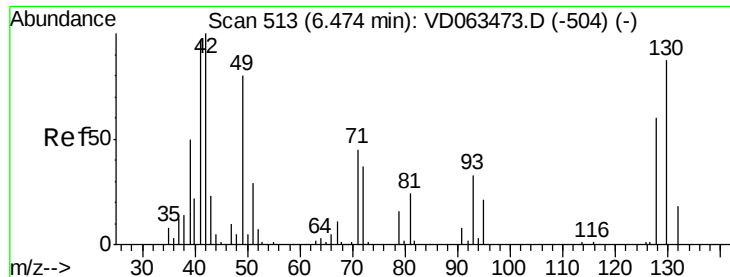
#25
2-Butanone
Concen: 1.195 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD063719.D
Acq: 21 Aug 2019 18:04

Tgt Ion: 43 Resp: 1774
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#



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





#29

Tetrahydrofuran

Concen: 7.960 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T1-L-(0)

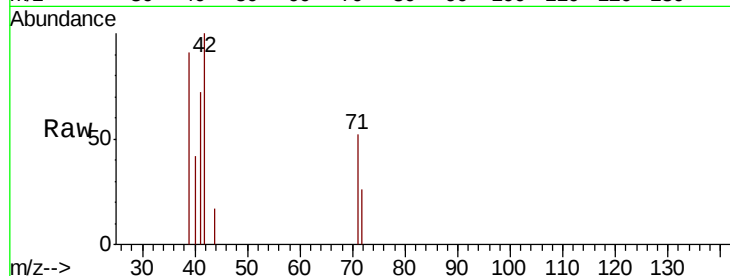
Tgt Ion: 42 Resp: 5505

Ion Ratio Lower Upper

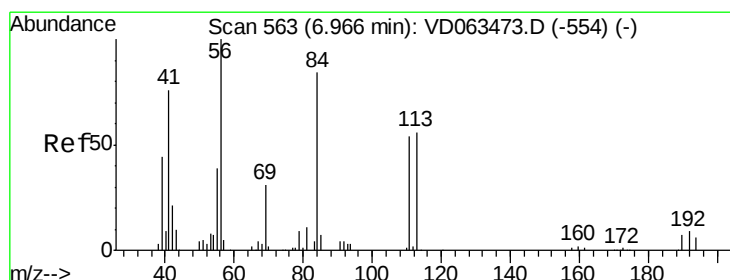
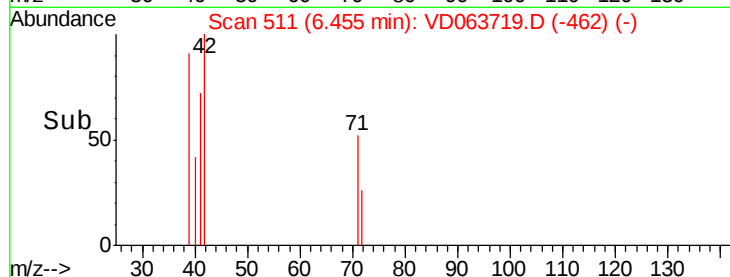
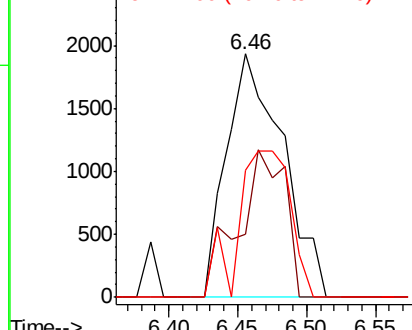
42 100

72 50.3 31.5 47.3#

71 56.5 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.177 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

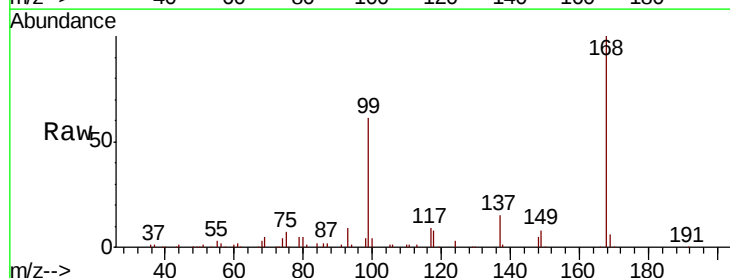
Tgt Ion: 56 Resp: 14530

Ion Ratio Lower Upper

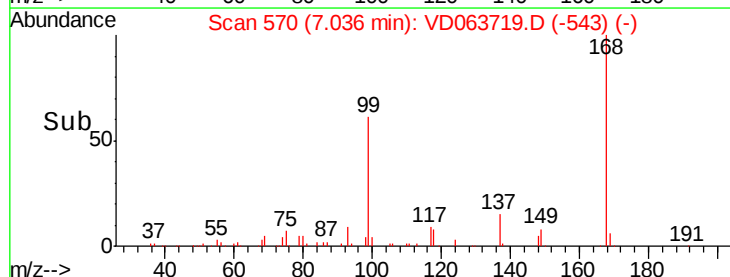
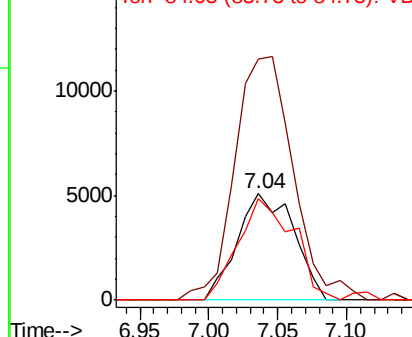
56 100

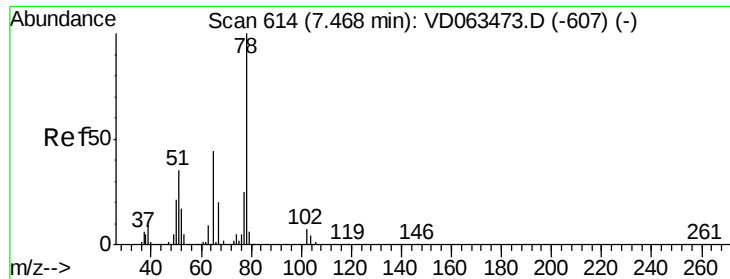
69 227.4 25.0 37.6#

84 95.6 69.7 104.5



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

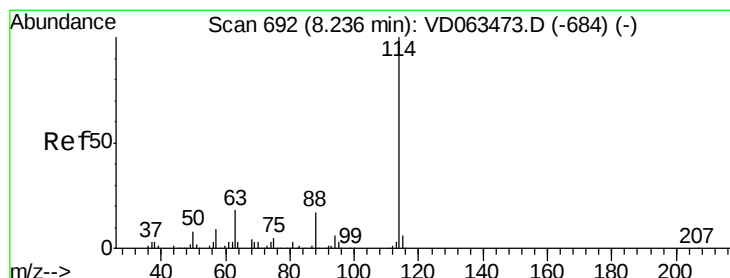
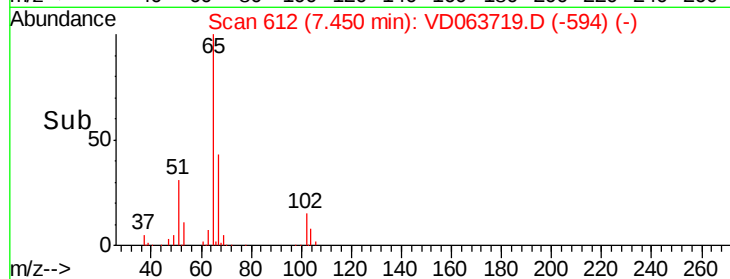
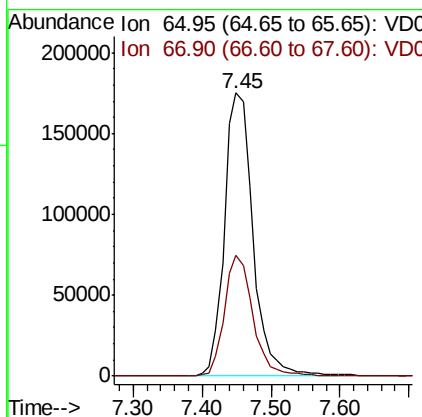
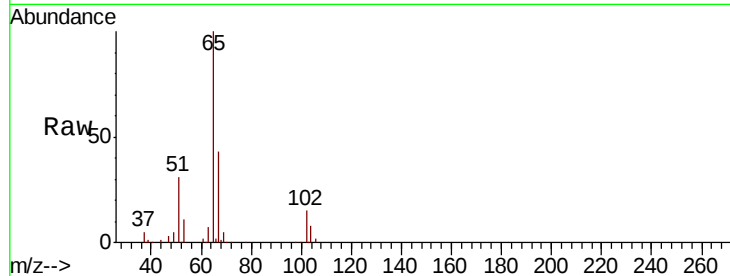




#33
 1,2-Dichloroethane-d4
 Concen: 68.066 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.02 min
 Lab File: VD063719.D
 Acq: 21 Aug 2019 18:04

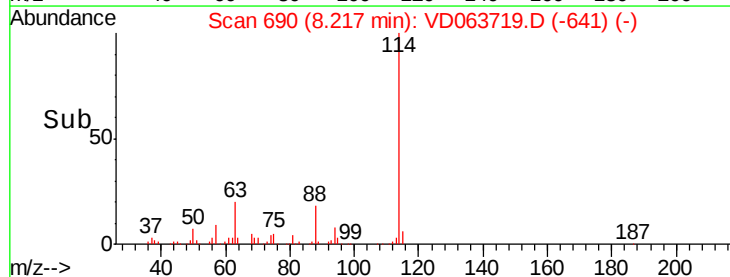
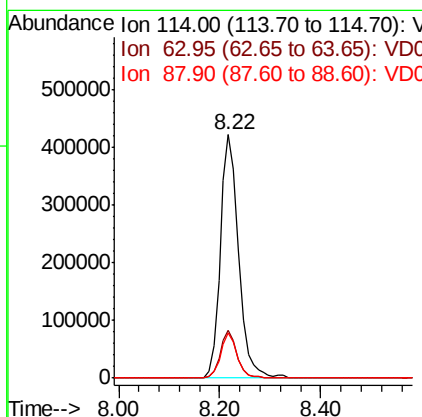
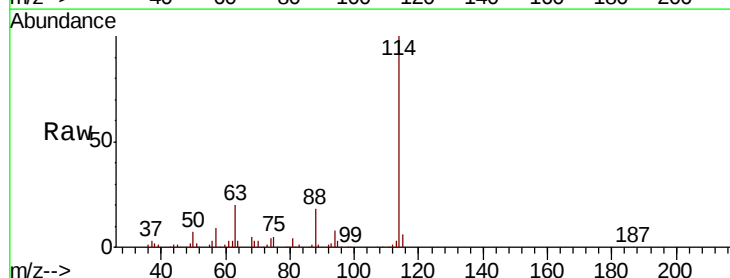
Instrument :
 MSVOA_D
 ClientSampleId :
 T1-L-(0)

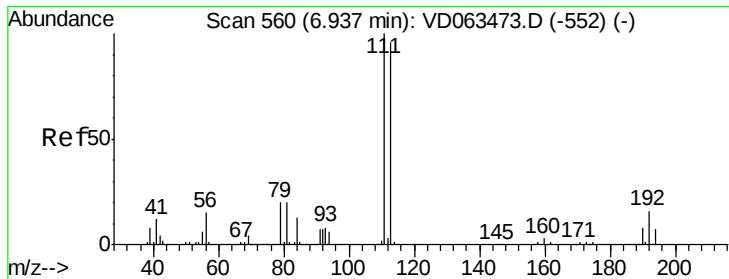
Tgt Ion: 65 Resp: 503168
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VD063719.D
 Acq: 21 Aug 2019 18:04

Tgt Ion: 114 Resp: 1062700
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.2
 88 18.4 0.0 35.0





#35

Dibromofluoromethane

Concen: 59.288 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T1-L-(0)

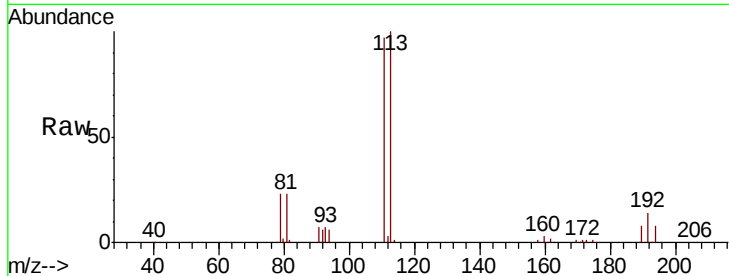
Tgt Ion:113 Resp: 530637

Ion Ratio Lower Upper

113 100

111 97.1 83.1 124.7

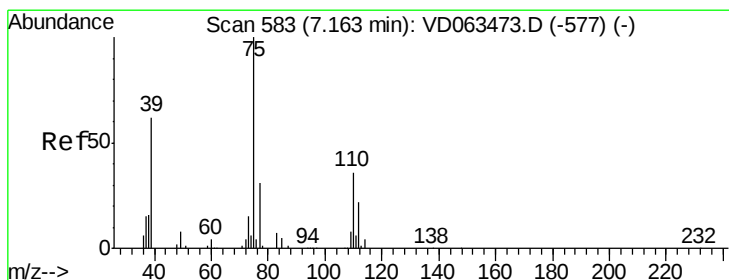
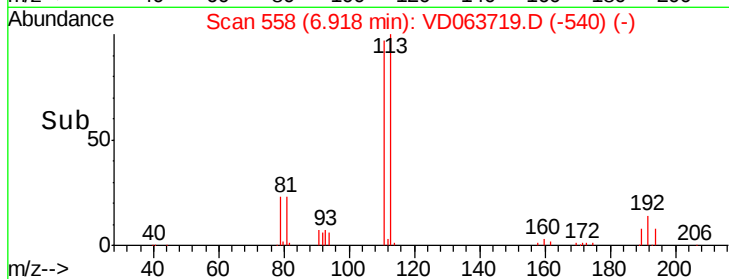
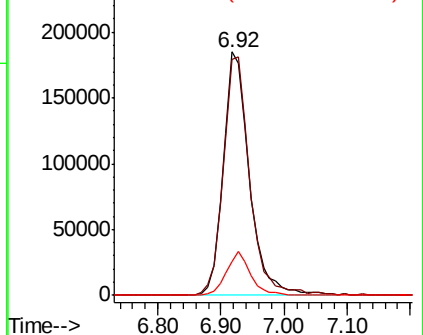
192 13.8 13.1 19.7



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: 5.294 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.13 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

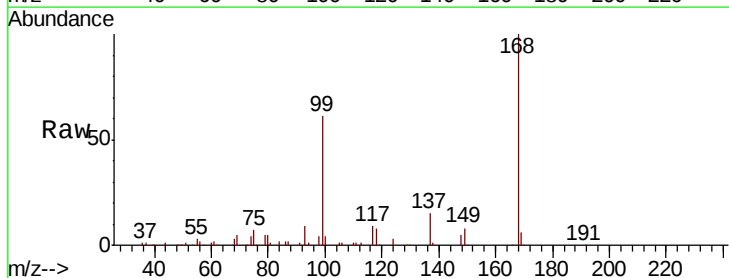
Tgt Ion: 75 Resp: 49731

Ion Ratio Lower Upper

75 100

110 9.5 17.6 52.8#

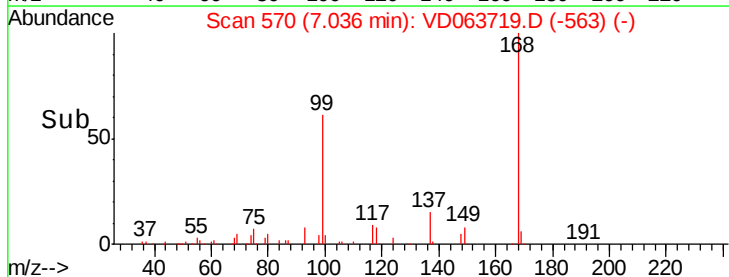
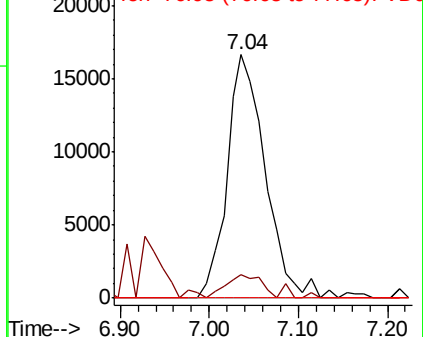
77 0.0 24.3 36.5#

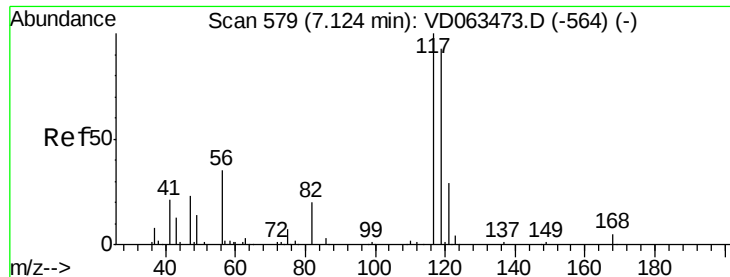


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

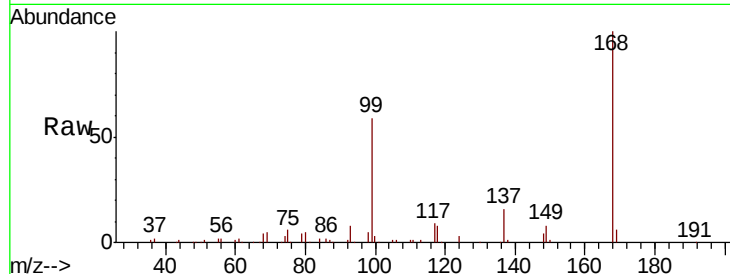




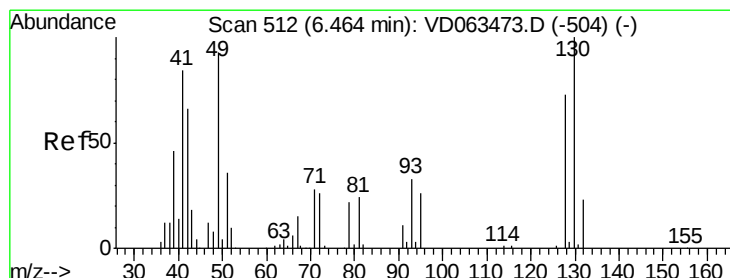
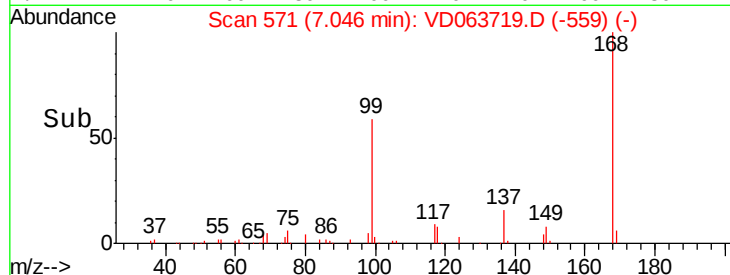
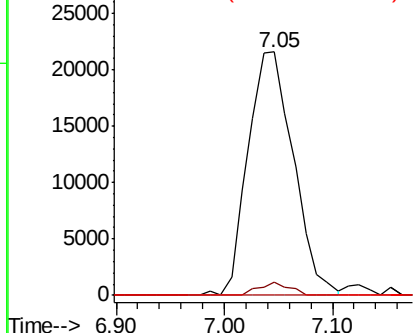
#38
Carbon Tetrachloride
Concen: 4.446 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.08 min
Lab File: VD063719.D
Acq: 21 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T1-L-(0)

Tgt Ion:117 Resp: 62956
Ion Ratio Lower Upper
117 100
119 5.3 74.2 111.2#
121 0.0 23.1 34.7#

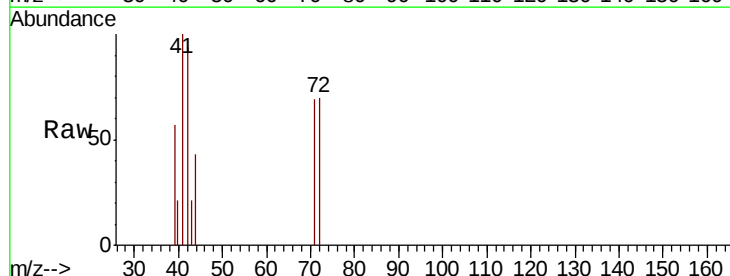


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

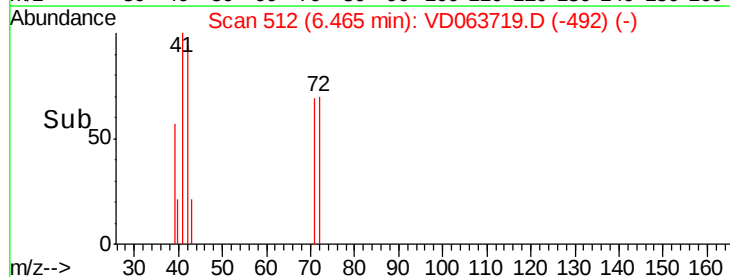
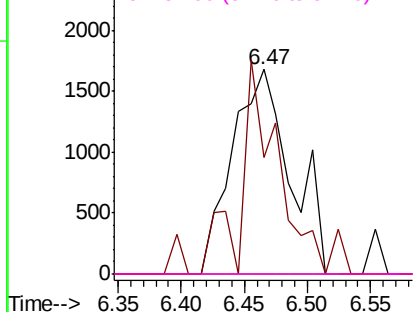


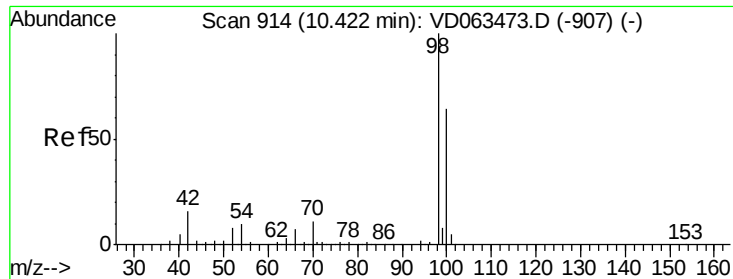
#41
Methacrylonitrile
Concen: 1.097 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD063719.D
Acq: 21 Aug 2019 18:04

Tgt Ion: 41 Resp: 5436
Ion Ratio Lower Upper
41 100
39 57.0 44.6 66.8
67 0.0 14.4 21.6#
52 0.0 9.3 13.9#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

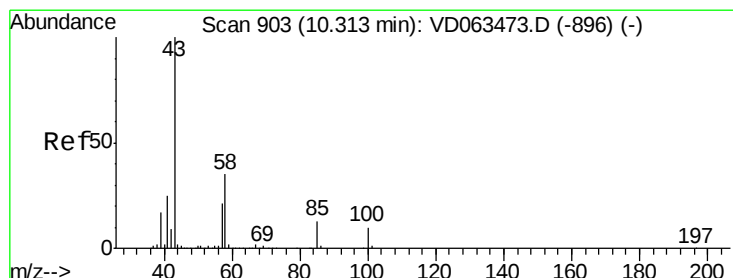
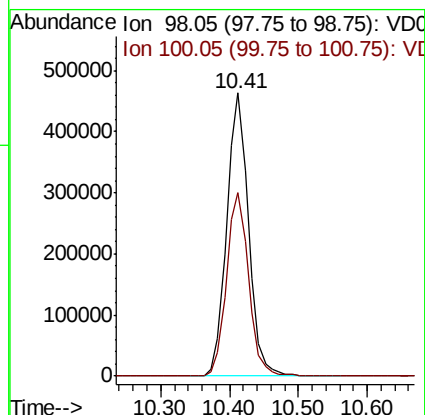
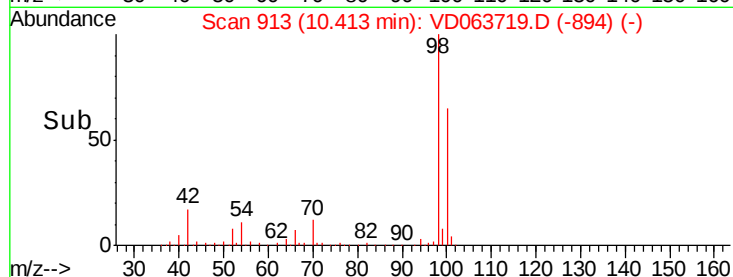
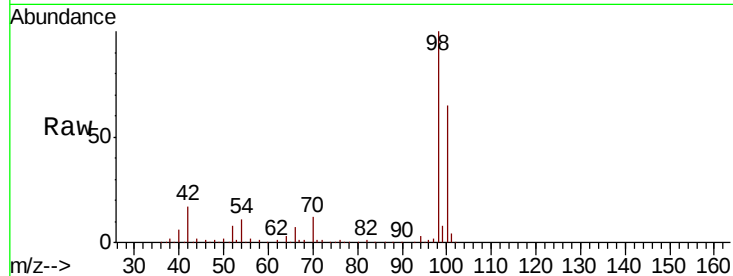




#50
Toluene-d8
Concen: 51.479 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063719.D
Acq: 21 Aug 2019 18:04

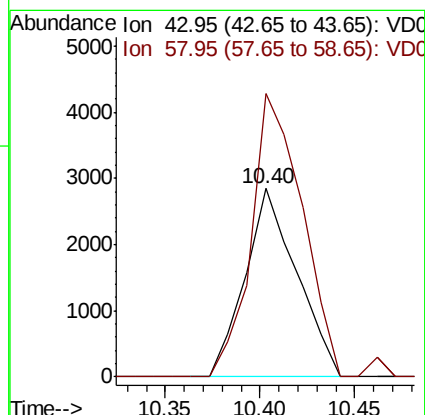
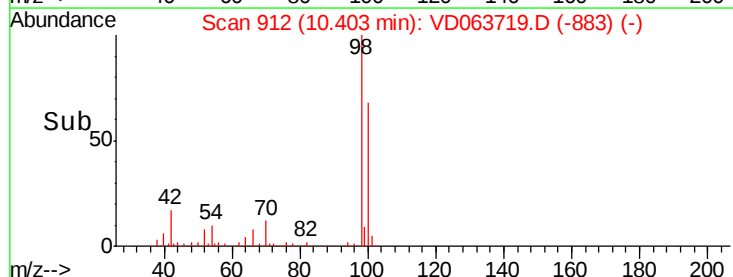
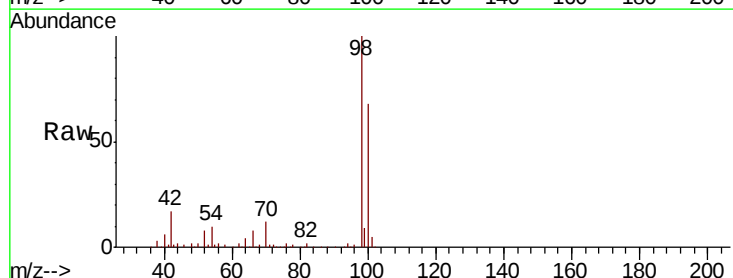
Instrument :
MSVOA_D
ClientSampleId :
T1-L-(0)

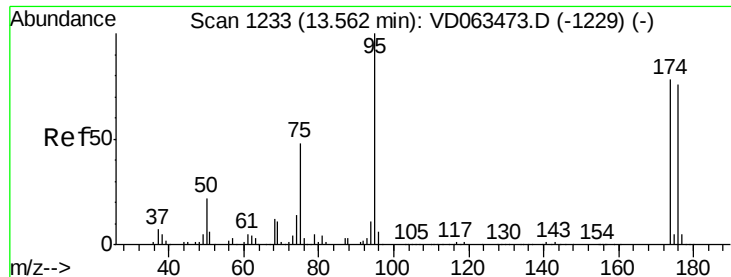
Tgt Ion: 98 Resp: 1012957
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.494 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.09 min
Lab File: VD063719.D
Acq: 21 Aug 2019 18:04

Tgt Ion: 43 Resp: 5389
Ion Ratio Lower Upper
43 100
58 150.1 28.0 42.0#





#62

4-Bromofluorobenzene

Concen: 45.855 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

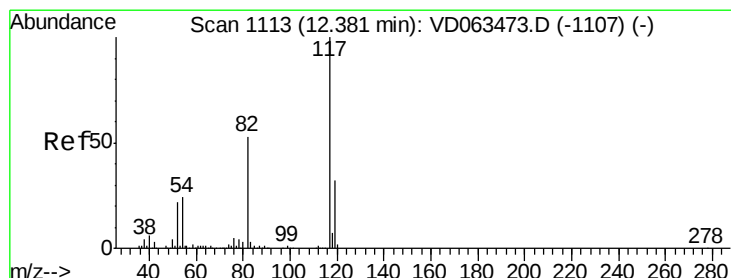
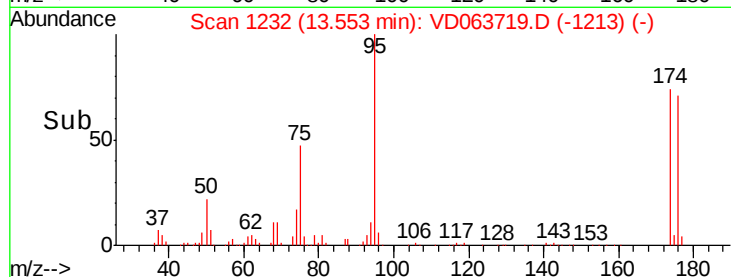
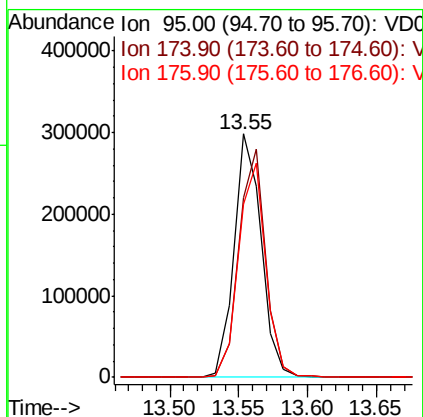
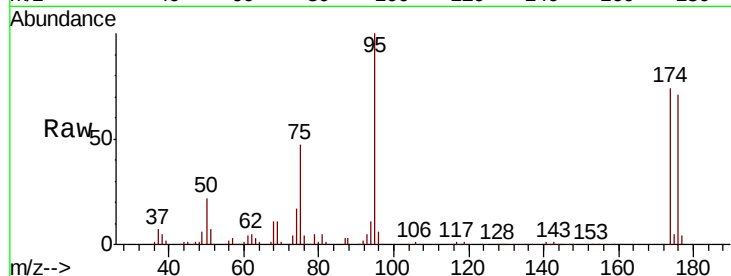
Instrument :

MSVOA_D

ClientSampleId :

T1-L-(0)

Tgt Ion:	95	Resp:	408958
Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	155.4
176	71.3	0.0	152.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

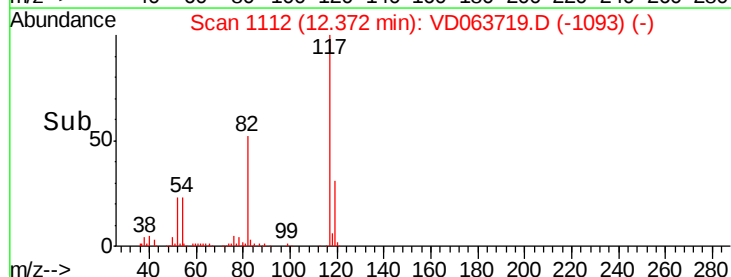
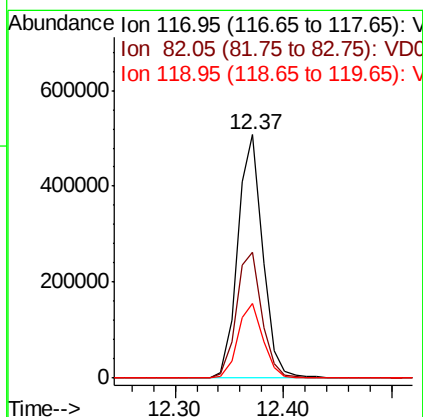
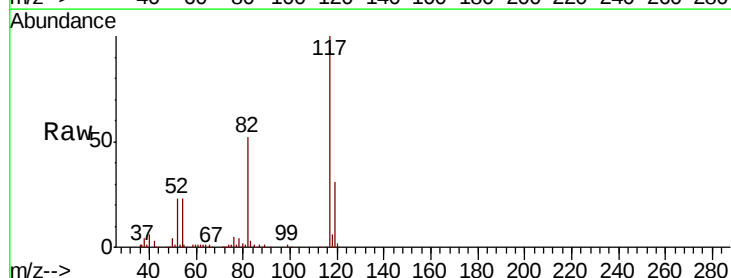
RT: 12.37 min Scan# 1112

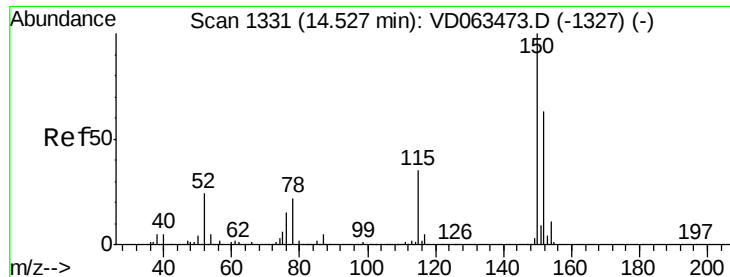
Delta R.T. -0.01 min

Lab File: VD063719.D

Acq: 21 Aug 2019 18:04

Tgt Ion:	117	Resp:	809076
Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	30.7	25.4	38.0

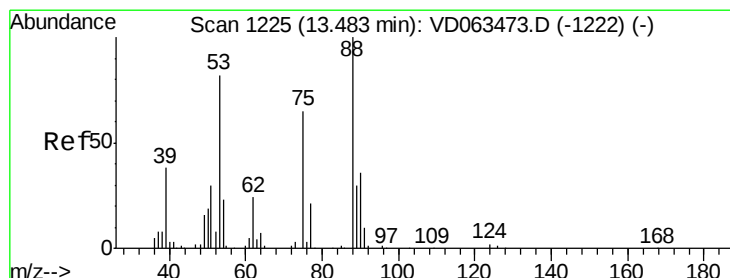
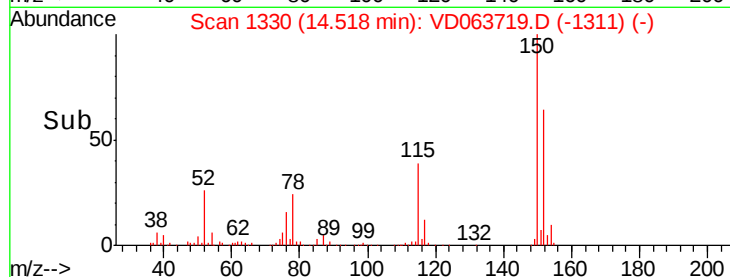
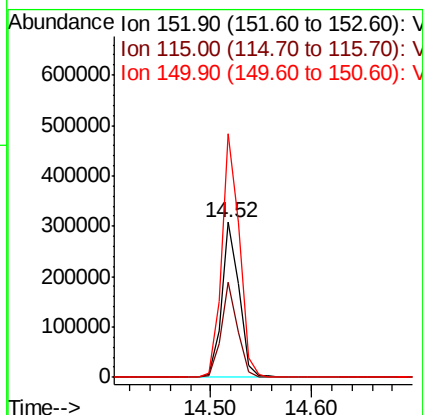
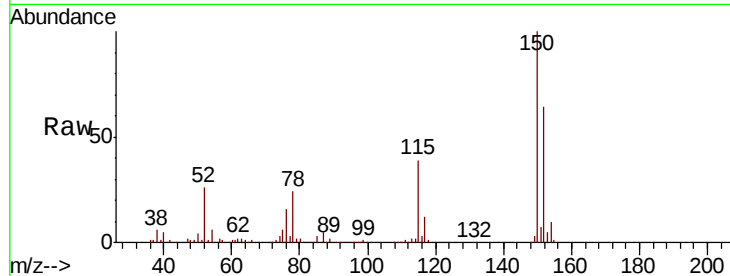




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063719.D
 Acq: 21 Aug 2019 18:04

Instrument :
 MSVOA_D
 ClientSampleId :
 T1-L-(0)

Tgt Ion: 152 Resp: 369474
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.9 92.7
 150 156.9 0.0 318.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 167.470 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063719.D
 Acq: 21 Aug 2019 18:04

Tgt Ion: 75 Resp: 190864
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#

