

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063104.D
 Acq On : 16 Jul 2019 14:10
 Operator : VA/AP
 Sample : K3620-05
 Misc : 6.98g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-071219-C

Quant Time: Jul 17 07:35:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	607029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	839261	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	668189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	256292	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	390659	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	6.92	113	411871	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	10.40	98	812188	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
62) 4-Bromofluorobenzene	13.55	95	310678	37.40	ug/l	0.00
Spiked Amount			Recovery	=	74.80%	

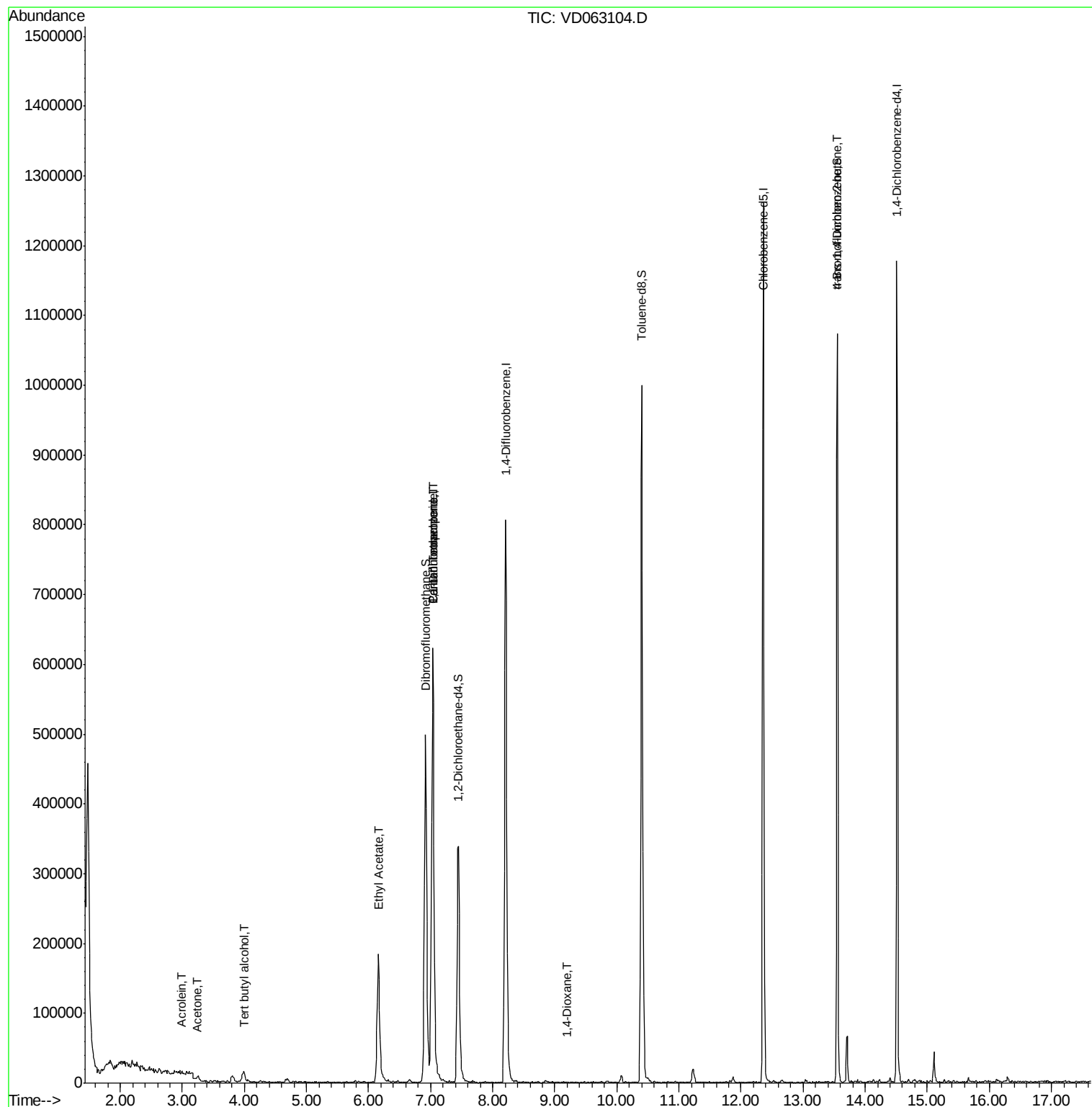
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	853	Below Cal	#	43
3) Chloromethane	1.76	50	878	Below Cal	#	48
5) Bromomethane	2.15	94	2280	Below Cal	#	13
11) Tert butyl alcohol	4.00	59	15810	36.229	ug/l #	77
13) Acrolein	3.00	56	309	2.346	ug/l #	27
16) Acetone	3.23	43	7463	4.086	ug/l #	62
18) Methyl Acetate	3.66	43	1631	Below Cal	#	63
36) 1,1-Dichloropropene	7.04	75	47434	5.025	ug/l #	50
37) Ethyl Acetate	6.15	43	12470	3.087	ug/l #	1
38) Carbon Tetrachloride	7.04	117	62166	4.334	ug/l #	13
49) 1,4-Dioxane	9.18	88	179	5.458	ug/l #	27
81) trans-1,4-Dichloro-2-buten	13.54	75	140283	135.120	ug/l #	1

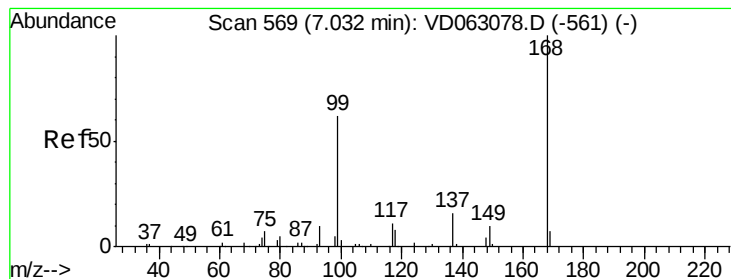
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071619\
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

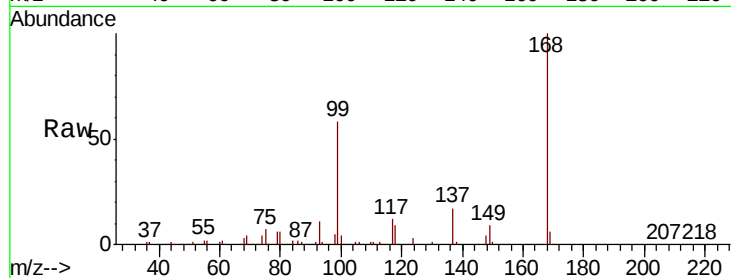
CL-01-071219-C

Tot Ion:168 Resp: 607029

Ion Ratio Lower Upper

168 100

99 57.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

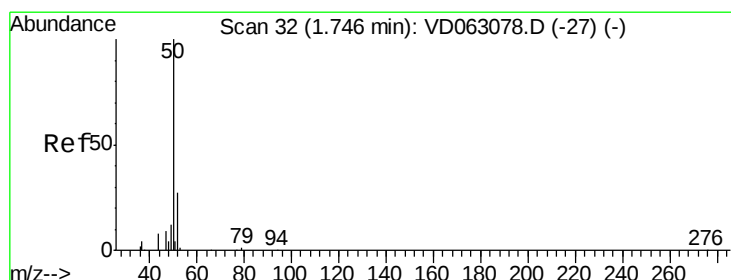
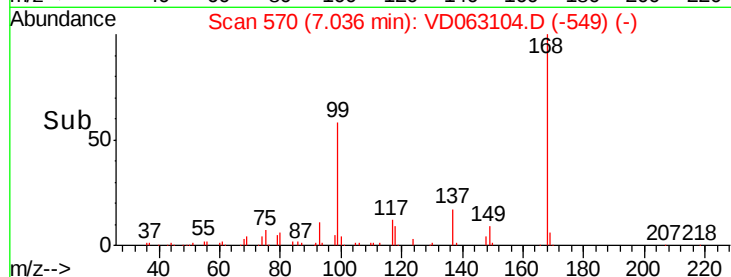
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD063104.D

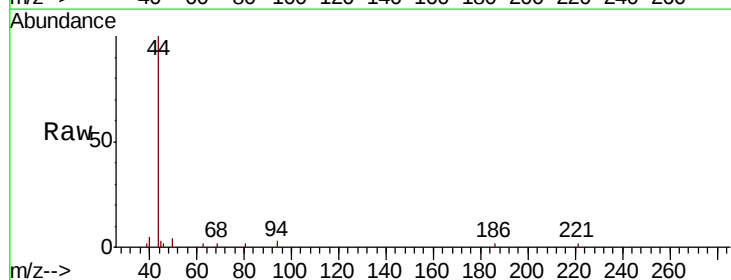
Acq: 16 Jul 2019 14:10

Tgt Ion: 50 Resp: 878

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

800

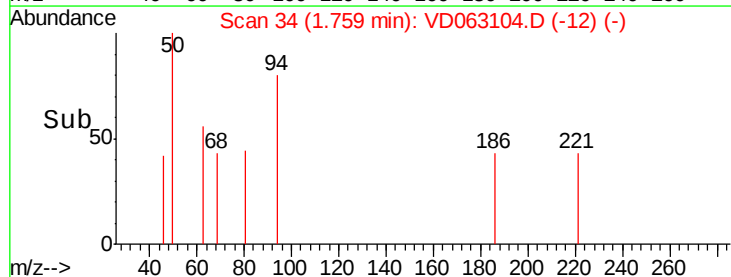
600

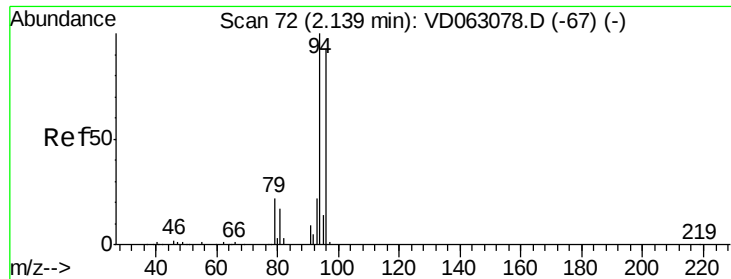
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

CL-01-071219-C

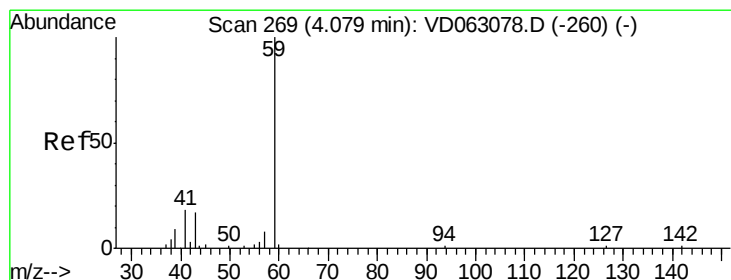
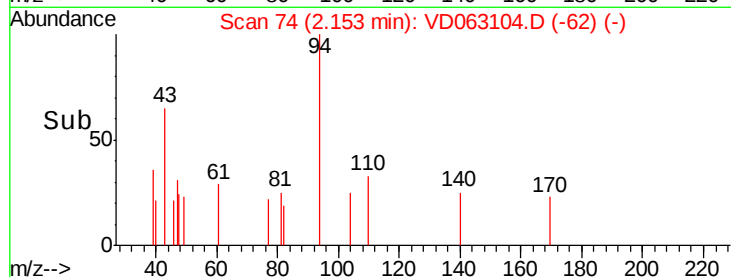
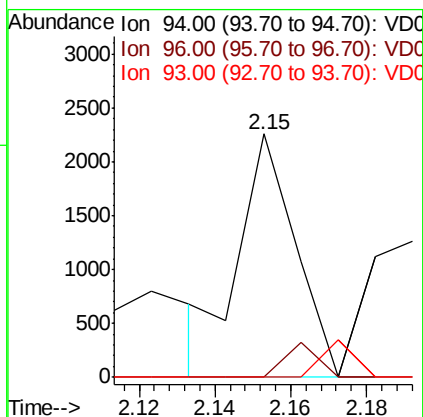
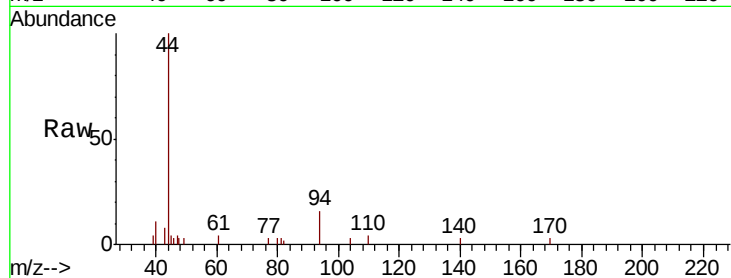
Tot Ion: 94 Resp: 2280

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 36.229 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.08 min

Lab File: VD063104.D

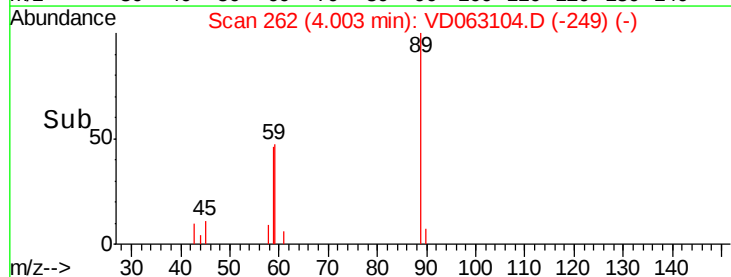
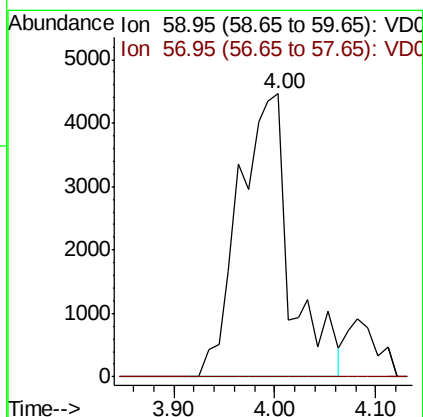
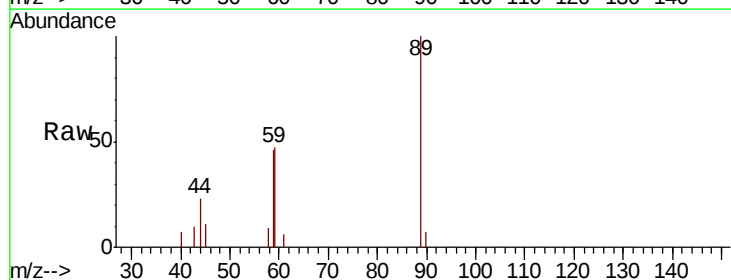
Acq: 16 Jul 2019 14:10

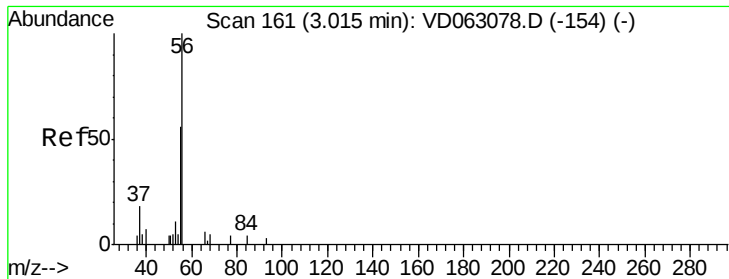
Tgt Ion: 59 Resp: 15810

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 2.346 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.02 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

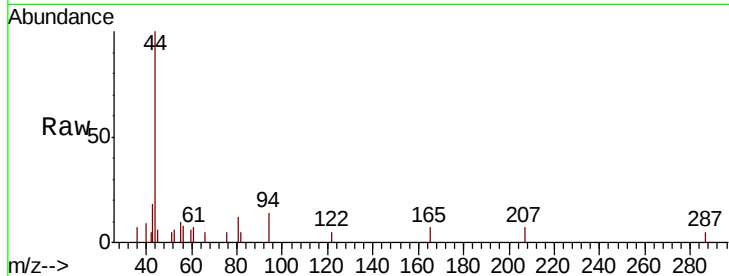
CL-01-071219-C

Tot Ion: 56 Resp: 309

Ion Ratio Lower Upper

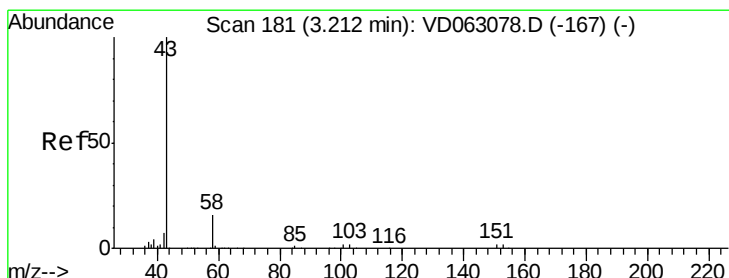
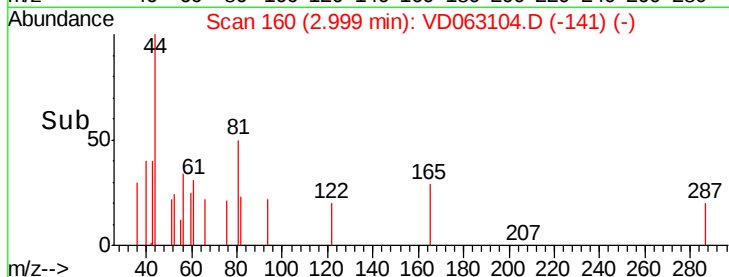
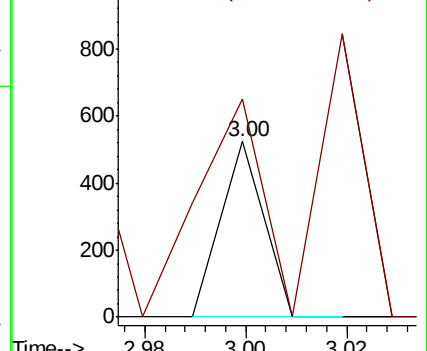
56 100

55 124.5 53.0 79.4#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 4.086 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063104.D

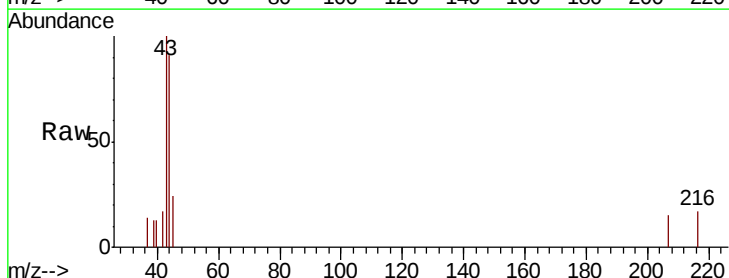
Acq: 16 Jul 2019 14:10

Tgt Ion: 43 Resp: 7463

Ion Ratio Lower Upper

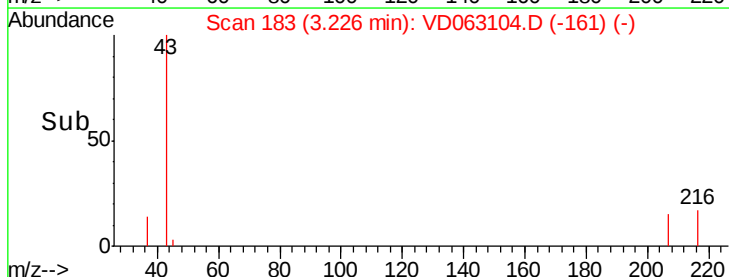
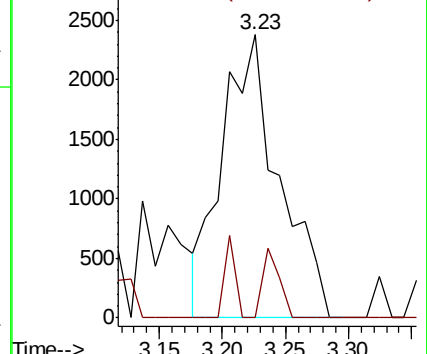
43 100

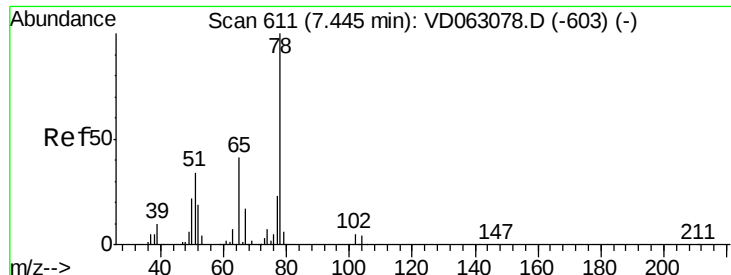
58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.663 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

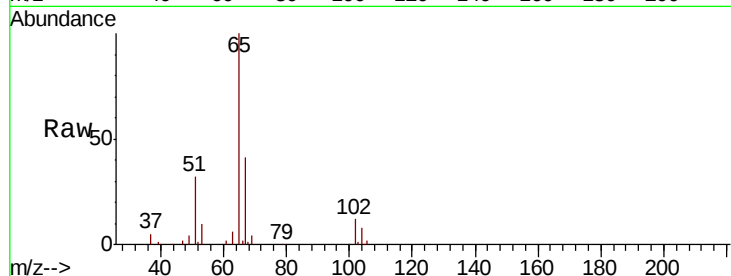
CL-01-071219-C

Tot Ion: 65 Resp: 390659

Ion Ratio Lower Upper

65 100

67 40.5 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

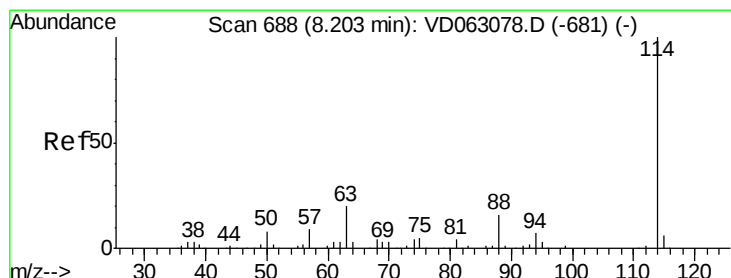
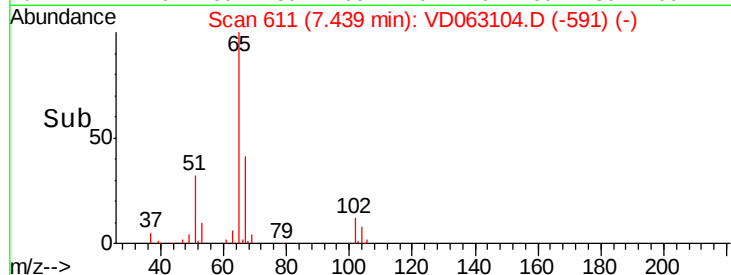
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

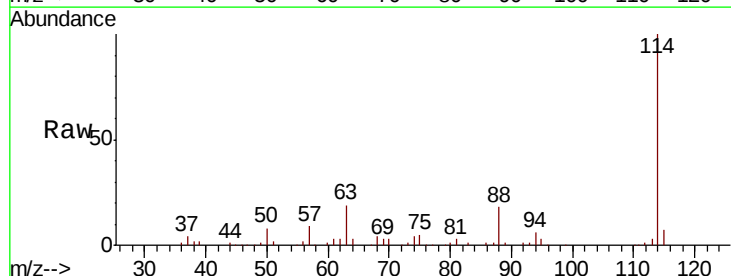
Tgt Ion: 114 Resp: 839261

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.6

88 17.9 0.0 32.6



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

8.21

400000

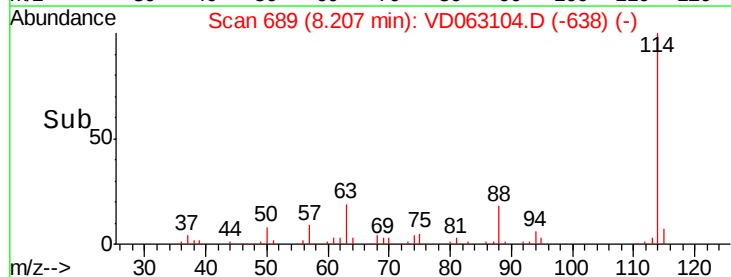
300000

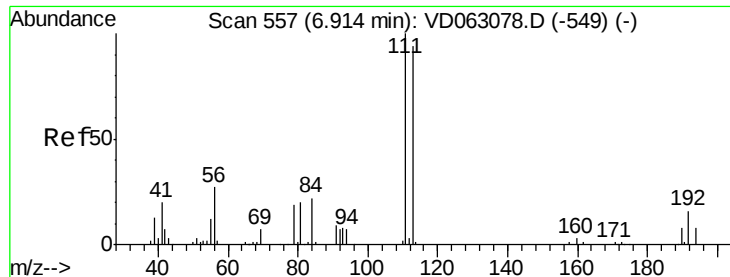
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.271 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

CL-01-071219-C

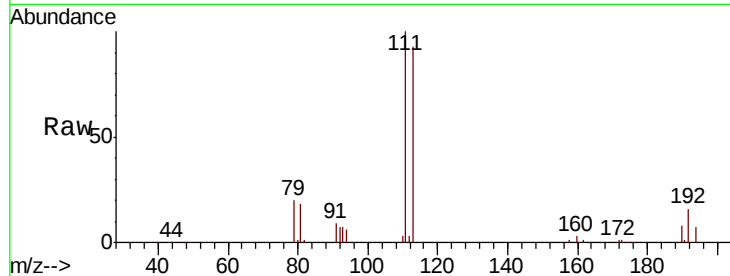
Tot Ion:113 Resp: 411871

Ion Ratio Lower Upper

113 100

111 107.6 84.8 127.2

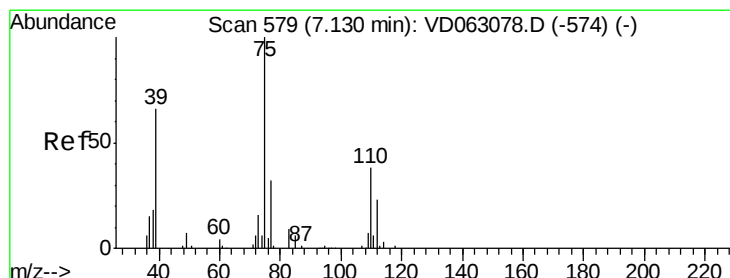
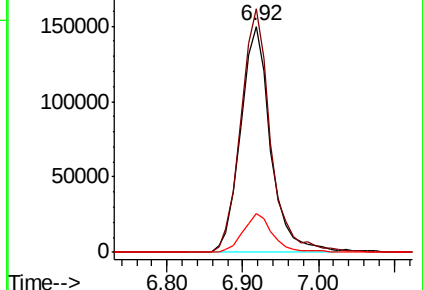
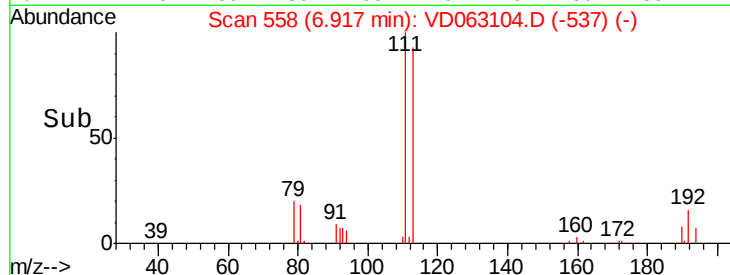
192 17.2 13.4 20.0



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: 5.025 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

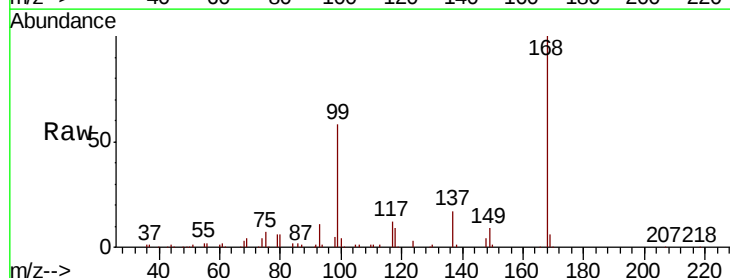
Tgt Ion: 75 Resp: 47434

Ion Ratio Lower Upper

75 100

110 10.8 18.9 56.5#

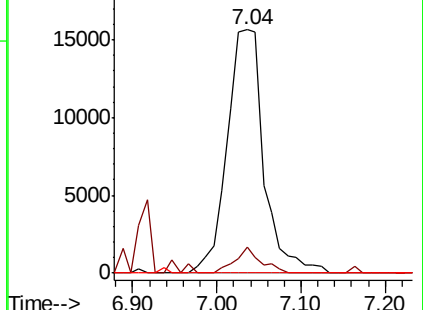
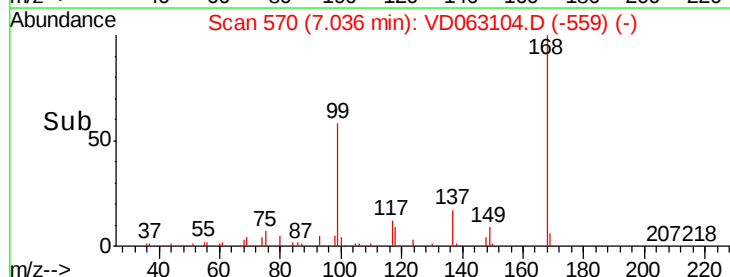
77 0.0 25.2 37.8#

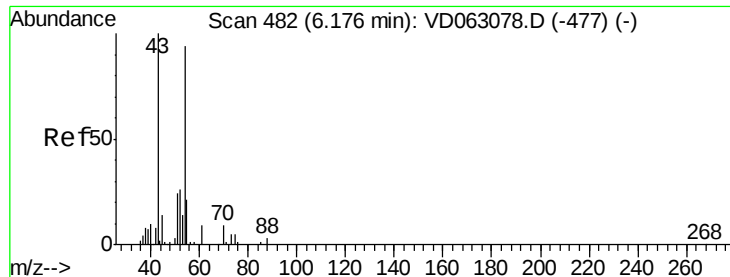


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

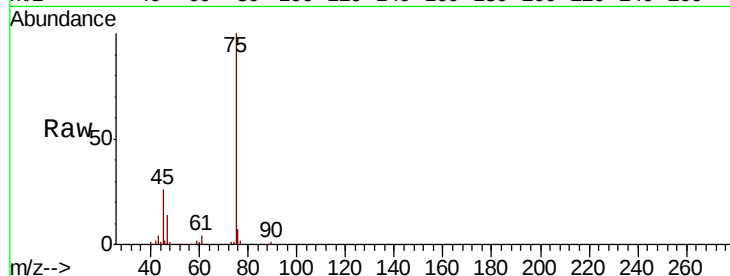




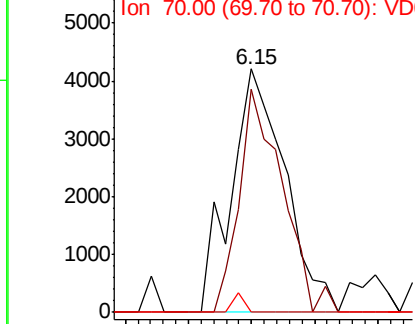
#37
Ethyl Acetate
Concen: 3.087 ug/l
RT: 6.15 min Scan# 480
Delta R.T. -0.03 min
Lab File: VD063104.D
Acq: 16 Jul 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :
CL-01-071219-C

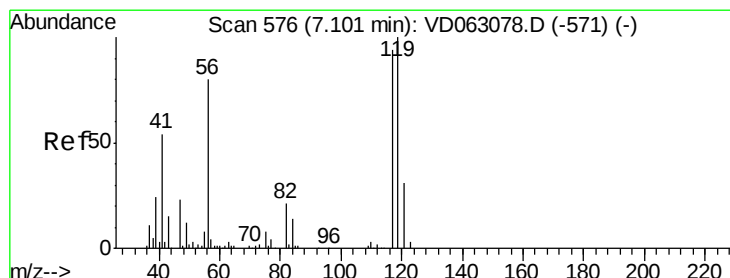
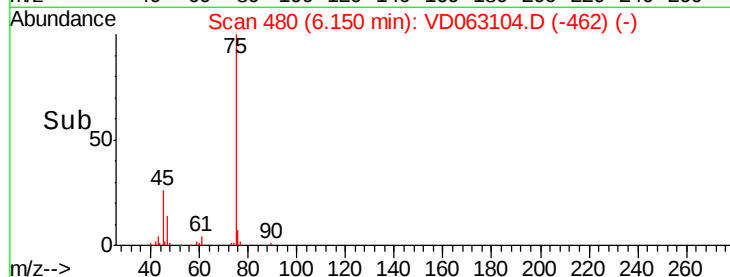
Tot Ion	Ratio	Lower	Upper
43	100		
61	91.8	10.6	16.0#
70	0.0	6.6	9.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

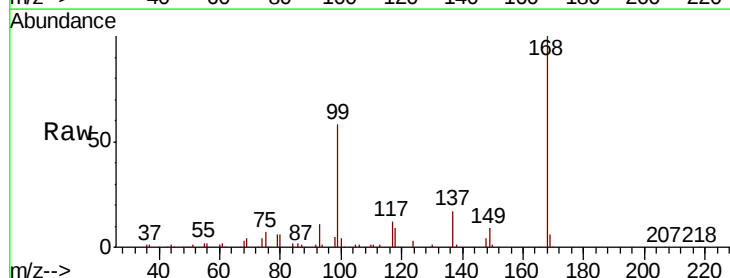


Time-->

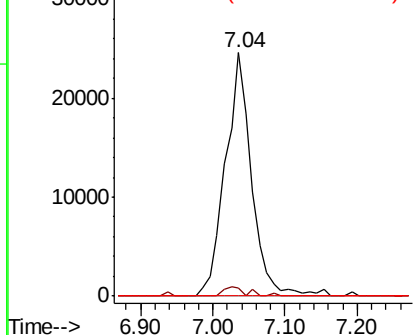


#38
Carbon Tetrachloride
Concen: 4.334 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD063104.D
Acq: 16 Jul 2019 14:10

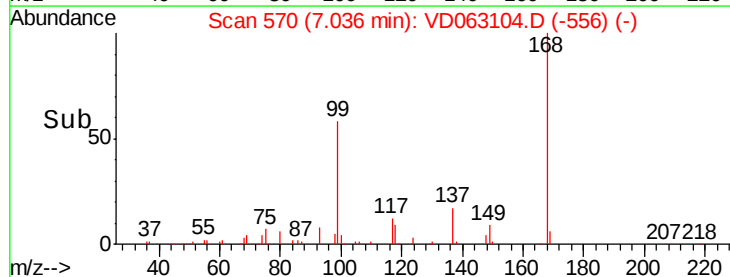
Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	80.0	120.0#
121	0.0	25.0	37.4#

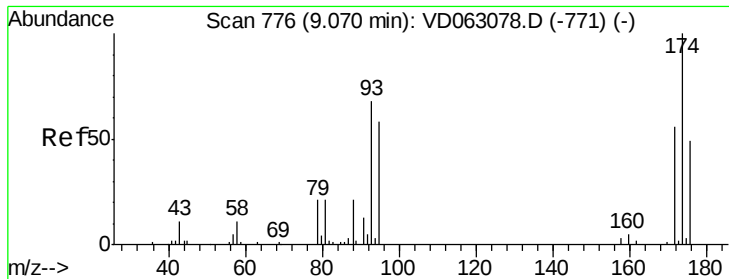


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



Time-->

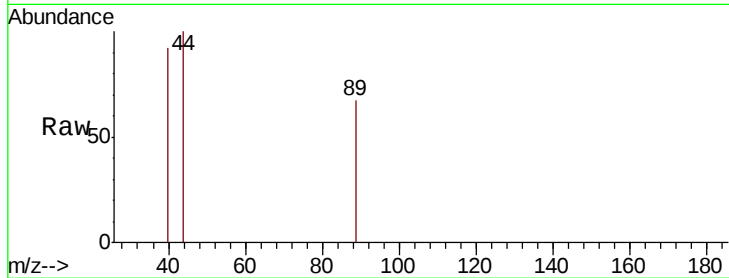




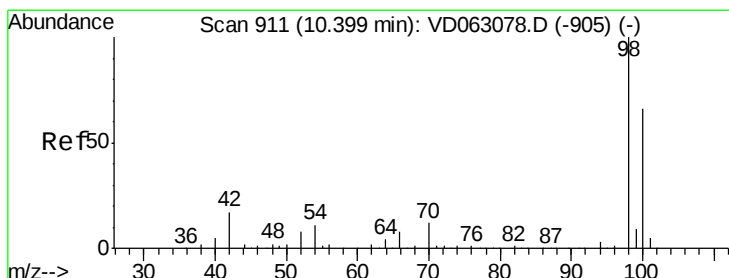
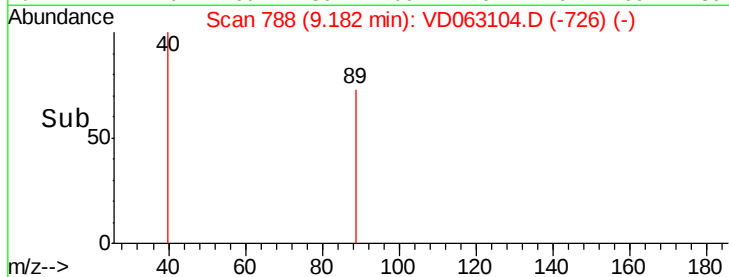
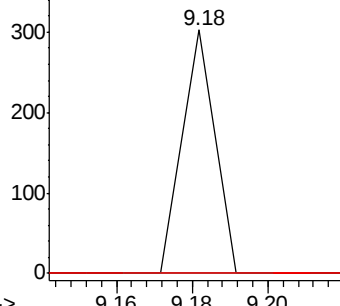
#49
 1,4-Dioxane
 Concen: 5.458 ug/l
 RT: 9.18 min Scan# 788
 Delta R.T. 0.11 min
 Lab File: VD063104.D
 Acq: 16 Jul 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-071219-C

Tot Ion: 88 Resp: 179
 Ion Ratio Lower Upper
 88 100
 43 0.0 40.2 60.4#
 58 0.0 41.6 62.4#

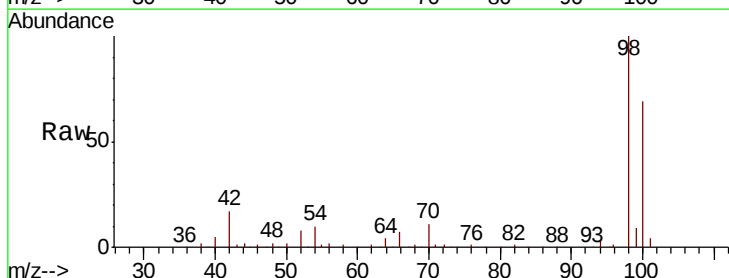


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

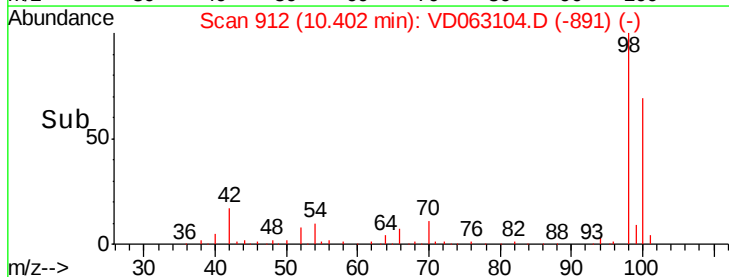
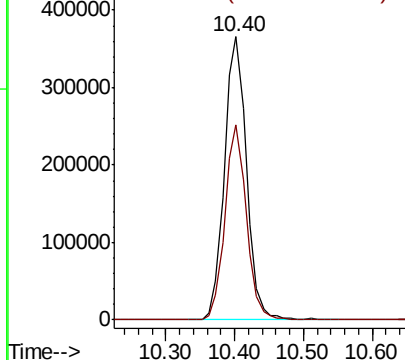


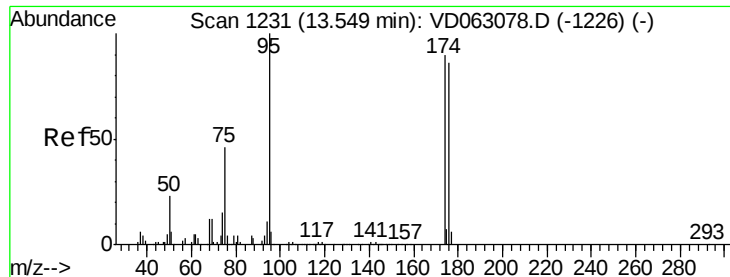
#50
 Toluene-d8
 Concen: 45.233 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. 0.00 min
 Lab File: VD063104.D
 Acq: 16 Jul 2019 14:10

Tgt Ion: 98 Resp: 812188
 Ion Ratio Lower Upper
 98 100
 100 69.0 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): VDC
 Ion 100.05 (99.75 to 100.75): VDC

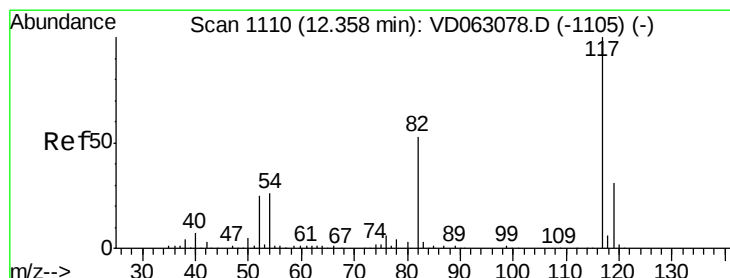
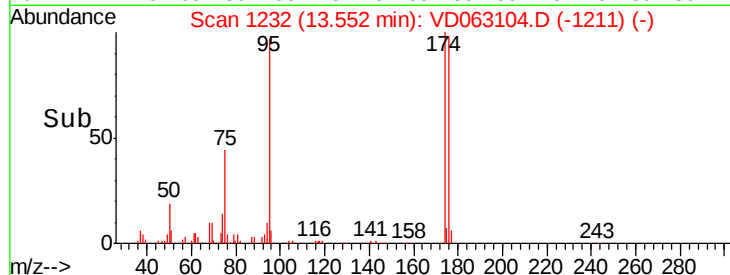
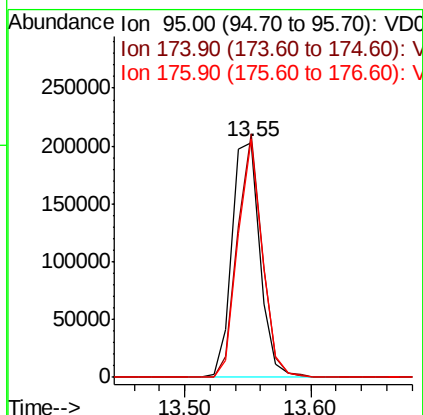
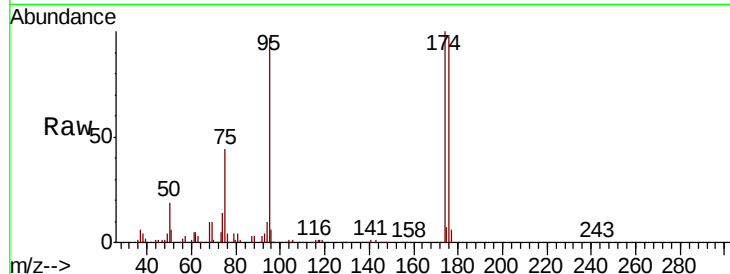




#62
4-Bromofluorobenzene
Concen: 37.400 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063104.D
Acq: 16 Jul 2019 14:10

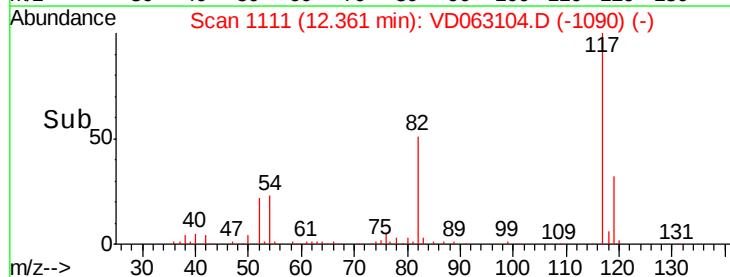
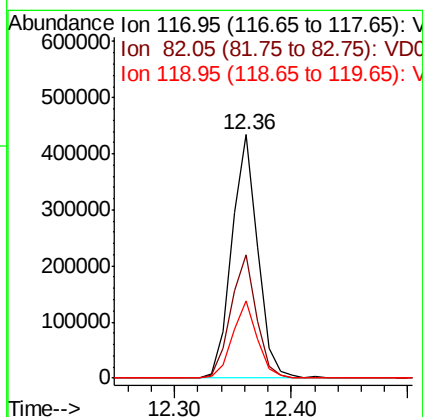
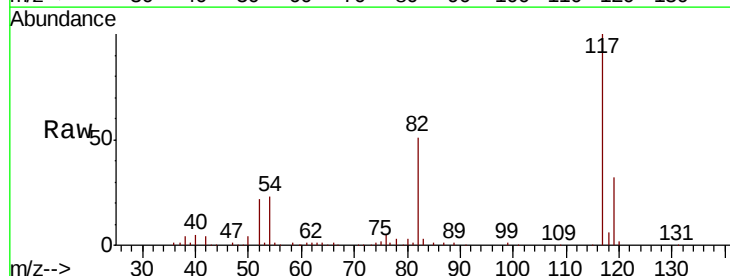
Instrument :
MSVOA_D
ClientSampleId :
CL-01-071219-C

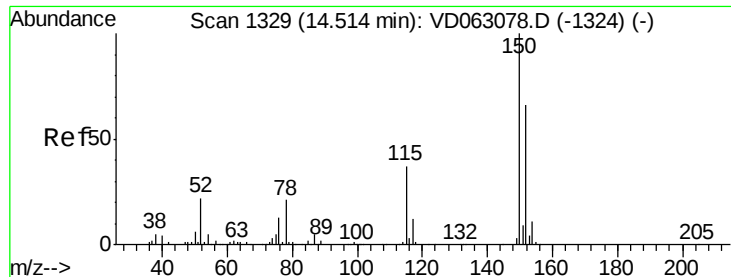
Tot Ion: 95 Resp: 310678
Ion Ratio Lower Upper
95 100
174 103.6 0.0 180.6
176 101.4 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063104.D
Acq: 16 Jul 2019 14:10

Tgt Ion: 117 Resp: 668189
Ion Ratio Lower Upper
117 100
82 50.6 42.3 63.5
119 31.7 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

CL-01-071219-C

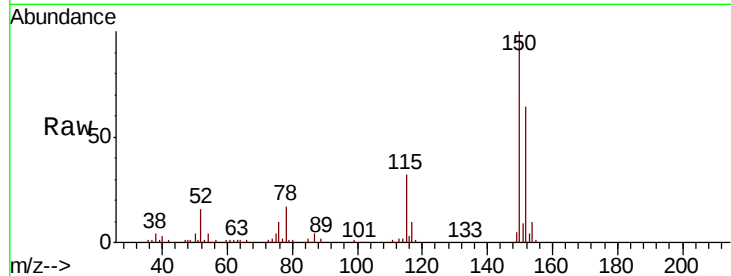
Tot Ion:152 Resp: 256292

Ion Ratio Lower Upper

152 100

115 49.2 28.9 86.8

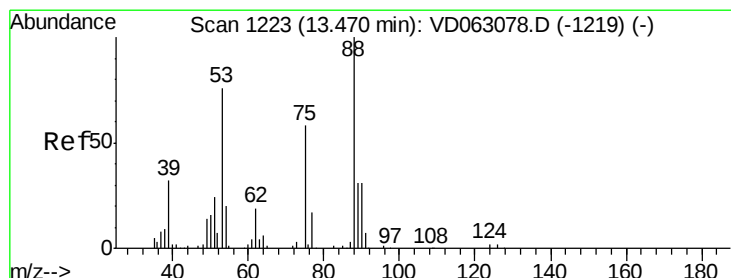
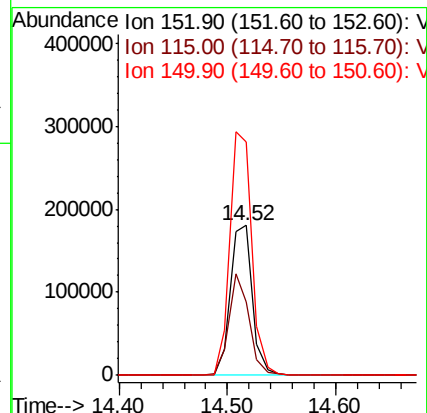
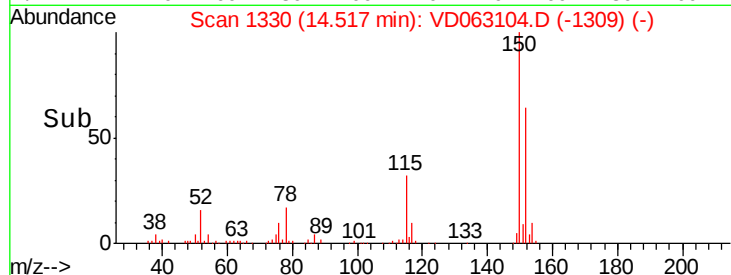
150 155.8 0.0 313.8



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: 135.120 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD063104.D

Acq: 16 Jul 2019 14:10

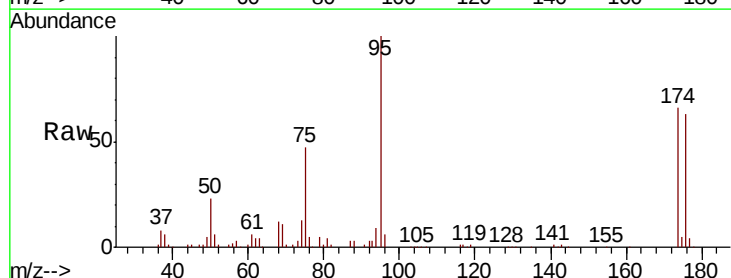
Tgt Ion: 75 Resp: 140283

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

