

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063404.D
 Acq On : 6 Aug 2019 17:37
 Operator : JC/SY
 Sample : K4095-01RE
 Misc : 7.04g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-080219-A

Quant Time: Aug 07 06:43:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1001723	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	1430545	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1154787	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	617520	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	487190	43.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	87.66%	
35) Dibromofluoromethane	6.93	113	571709	46.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.62%	
50) Toluene-d8	10.41	98	1176341	43.04	ug/l	0.01
Spiked Amount 50.000			Recovery	=	86.08%	
62) 4-Bromofluorobenzene	13.55	95	528556	42.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.86%	

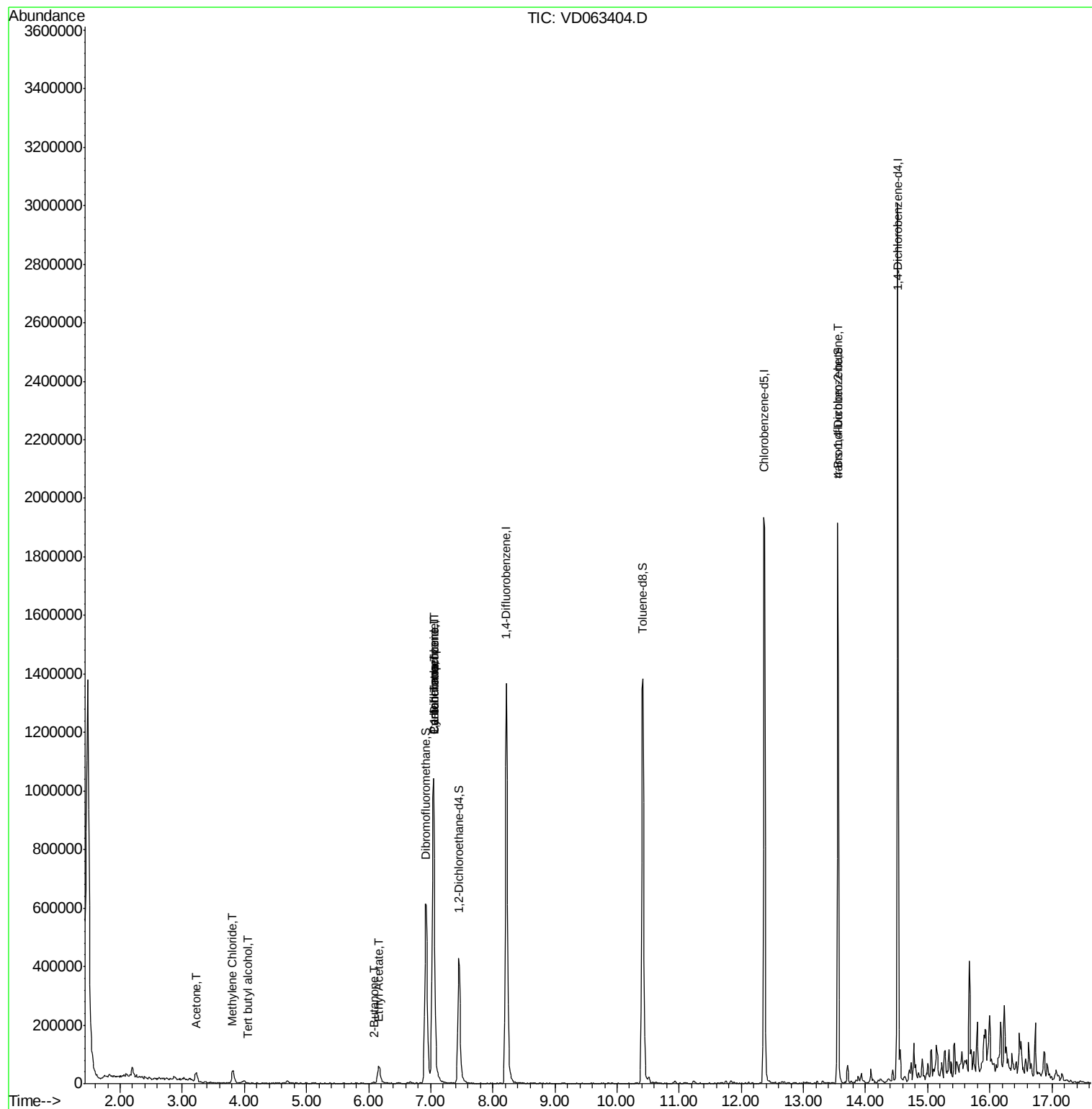
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.05	59	696	1.427	ug/l #	69
16) Acetone	3.22	43	72223	33.349	ug/l #	82
20) Methylene Chloride	3.82	84	27256	3.114	ug/l	85
25) 2-Butanone	6.08	43	4317	1.986	ug/l #	56
31) Cyclohexane	7.05	56	24355	2.460	ug/l #	6
36) 1,1-Dichloropropene	7.05	75	80848	6.193	ug/l #	51
37) Ethyl Acetate	6.16	43	5971	1.018	ug/l #	18
38) Carbon Tetrachloride	7.05	117	97650	4.968	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	237038	115.089	ug/l #	3

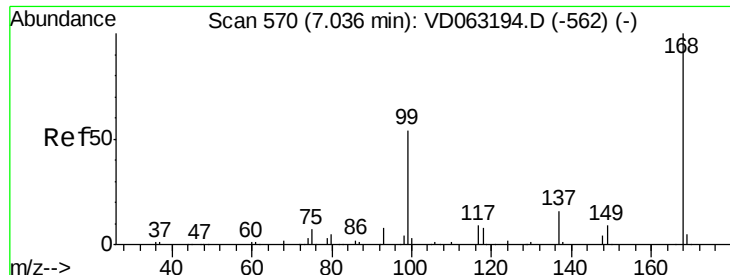
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
Data File : VD063404.D
Acq On : 6 Aug 2019 17:37
Operator : JC/SY
Sample : K4095-01RE
Misc : 7.04g/5ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-02-080219-A

Quant Time: Aug 07 06:43:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

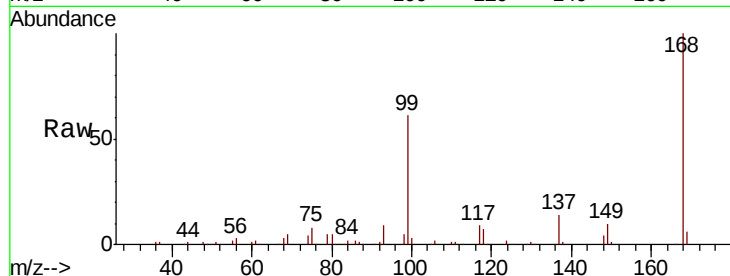
SU-02-080219-A

Tgt Ion:168 Resp: 1001723

Ion Ratio Lower Upper

168 100

99 61.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

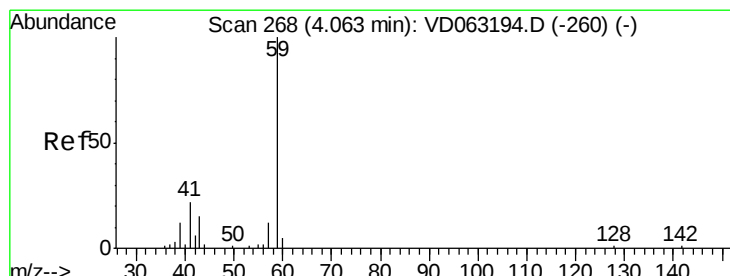
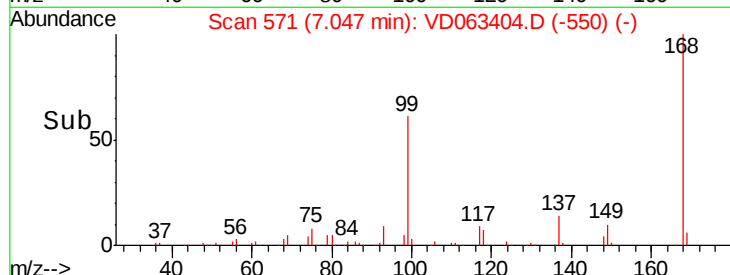
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.427 ug/l

RT: 4.05 min Scan# 267

Delta R.T. -0.01 min

Lab File: VD063404.D

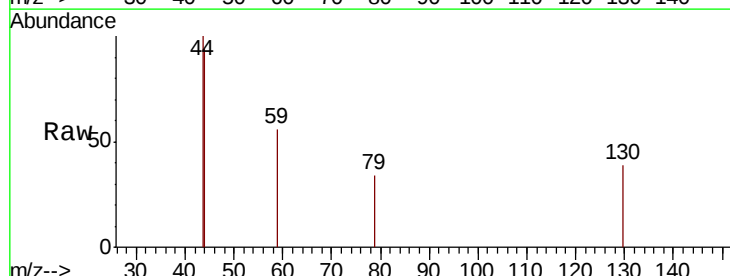
Acq: 6 Aug 2019 17:37

Tgt Ion: 59 Resp: 696

Ion Ratio Lower Upper

59 100

57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

1500

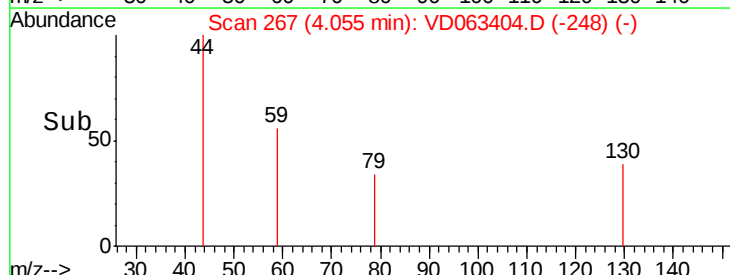
1000

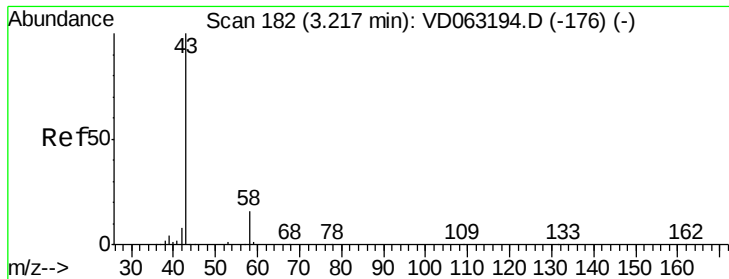
500

0

Time-->

4.05 4.10





#16

Acetone

Concen: 33.349 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

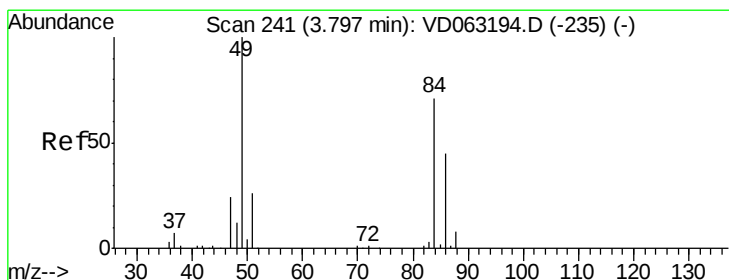
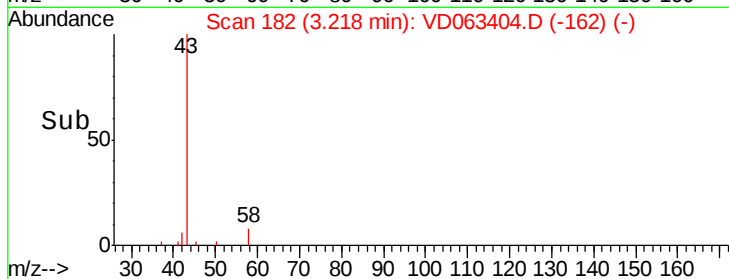
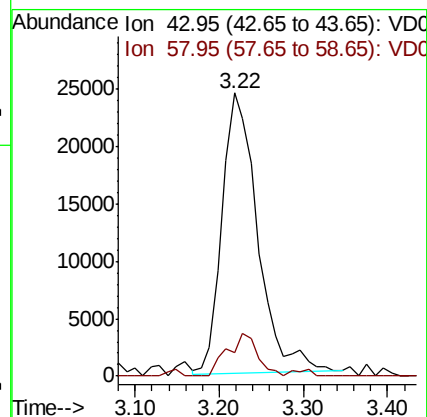
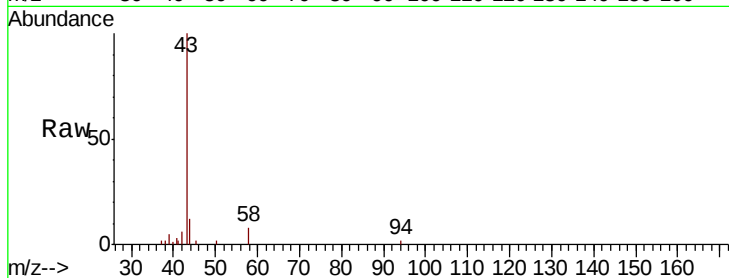
SU-02-080219-A

Tgt Ion: 43 Resp: 72223

Ion Ratio Lower Upper

43 100

58 8.4 13.0 19.4#



#20

Methylene Chloride

Concen: 3.114 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Tgt Ion: 84 Resp: 27256

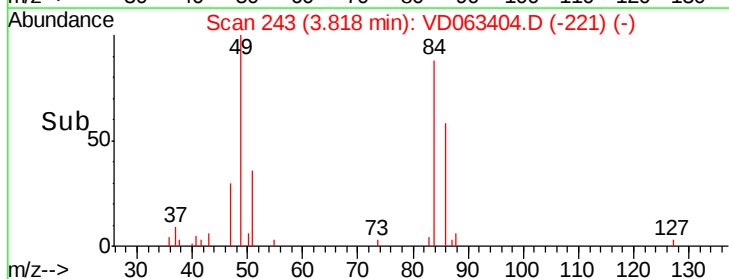
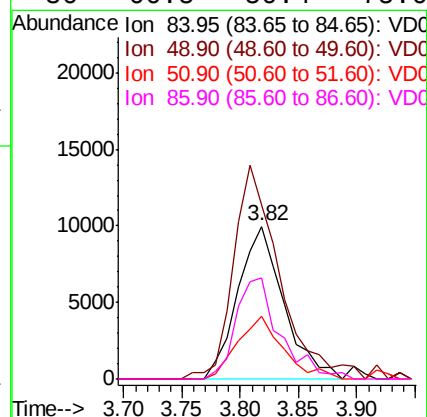
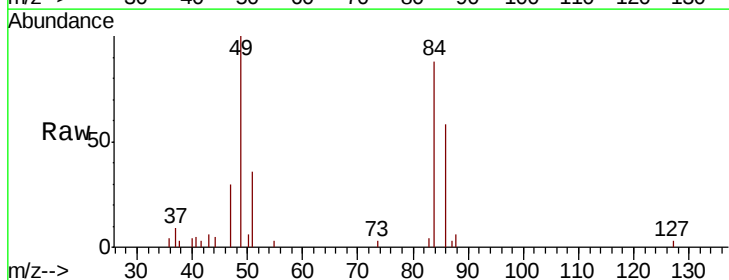
Ion Ratio Lower Upper

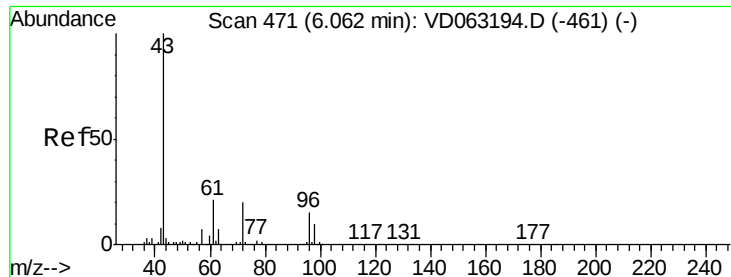
84 100

49 114.2 112.5 168.7

51 41.4 29.6 44.4

86 66.5 50.4 75.6

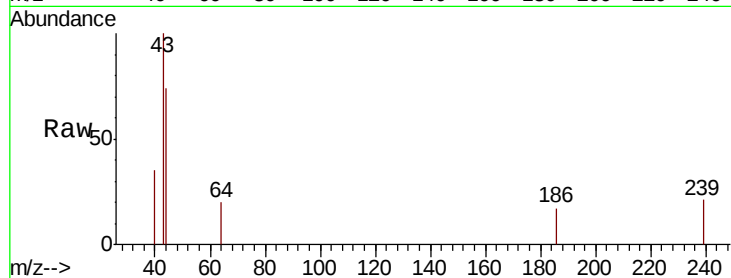




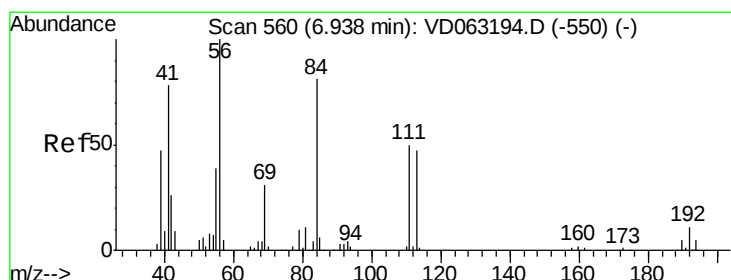
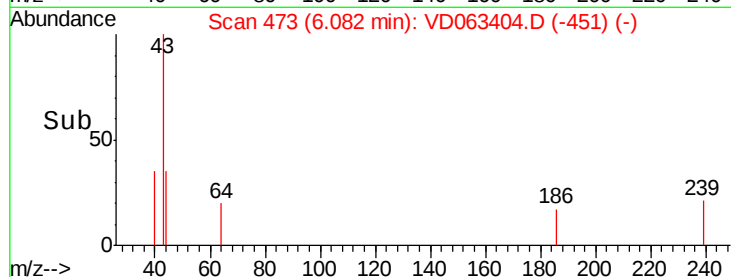
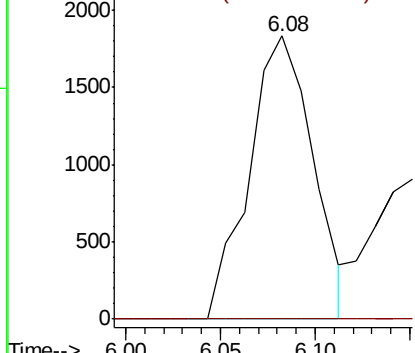
#25
2-Butanone
Concen: 1.986 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD063404.D
Acq: 6 Aug 2019 17:37

Instrument :
MSVOA_D
ClientSampleId :
SU-02-080219-A

Tgt Ion: 43 Resp: 4317
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#

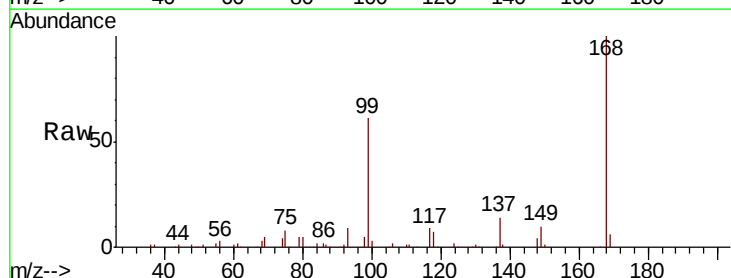


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

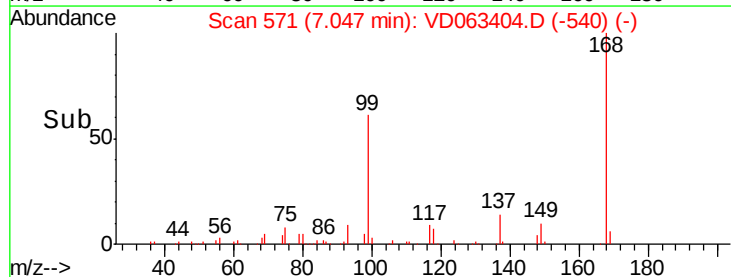
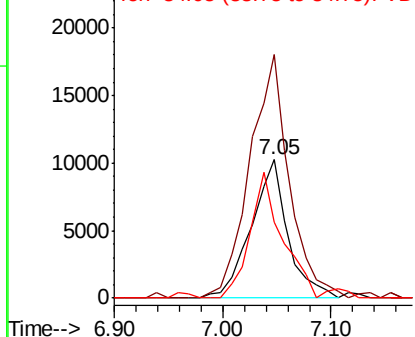


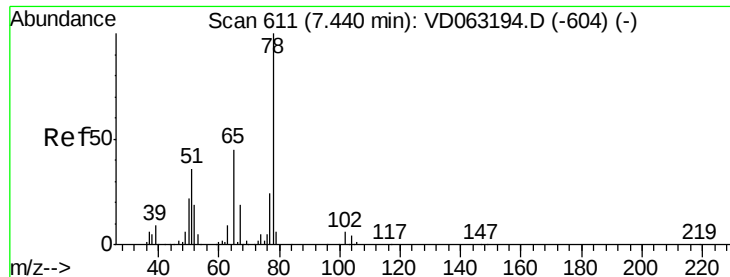
#31
Cyclohexane
Concen: 2.460 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063404.D
Acq: 6 Aug 2019 17:37

Tgt Ion: 56 Resp: 24355
Ion Ratio Lower Upper
56 100
69 175.8 24.5 36.7#
84 54.9 64.9 97.3#



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: 43.831 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

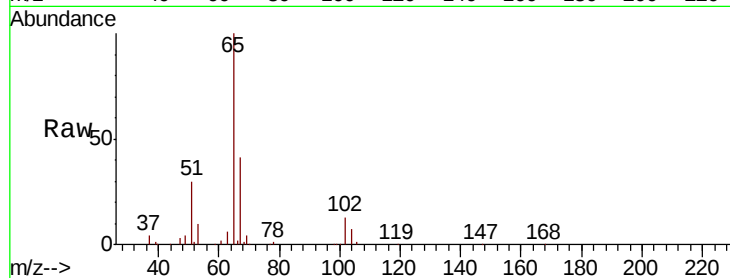
SU-02-080219-A

Tgt Ion: 65 Resp: 487190

Ion Ratio Lower Upper

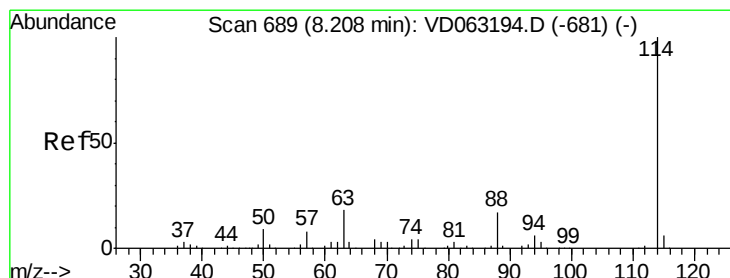
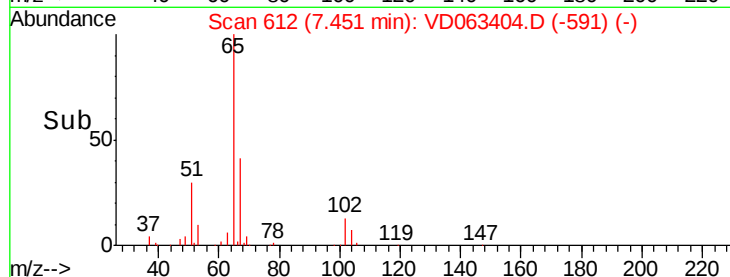
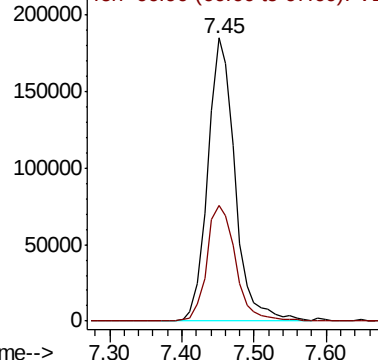
65 100

67 40.7 0.0 85.8



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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

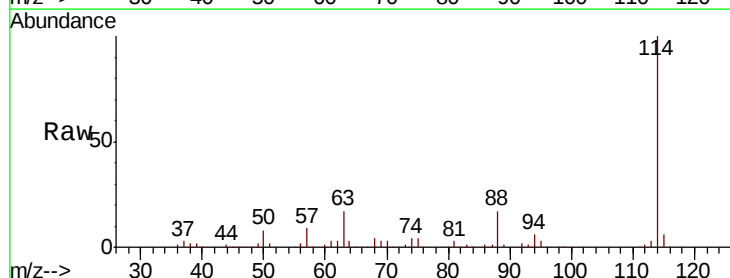
Tgt Ion: 114 Resp: 1430545

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.2

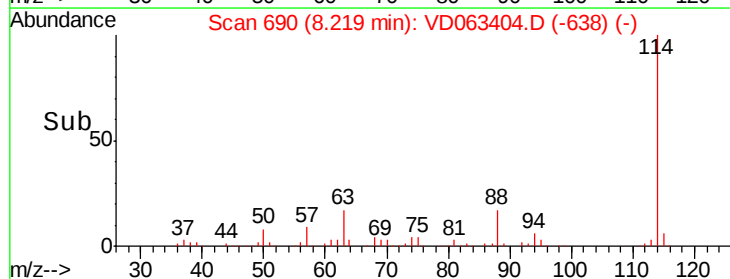
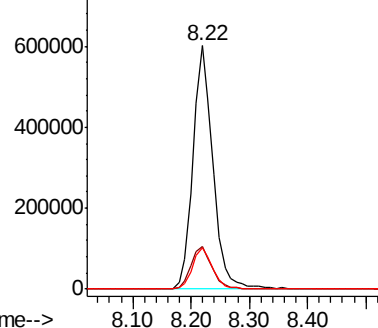
88 17.0 0.0 34.6

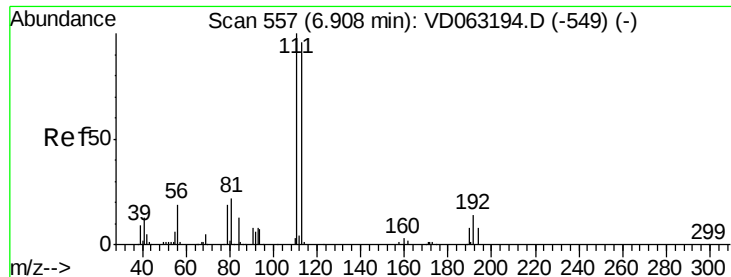


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.808 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-A

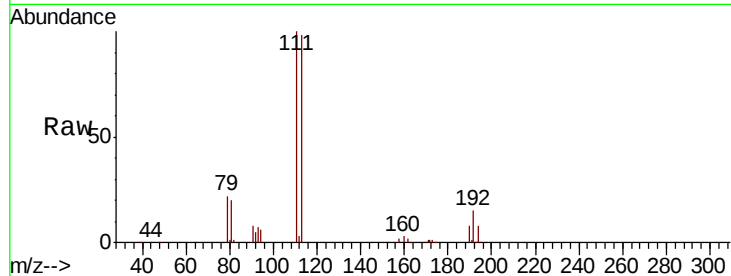
Tgt Ion:113 Resp: 571709

Ion Ratio Lower Upper

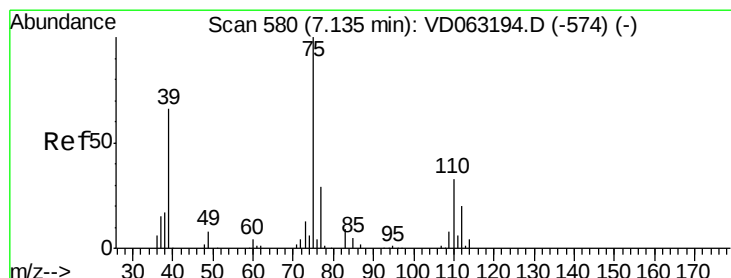
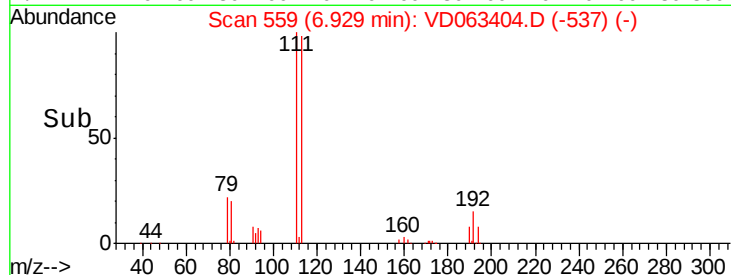
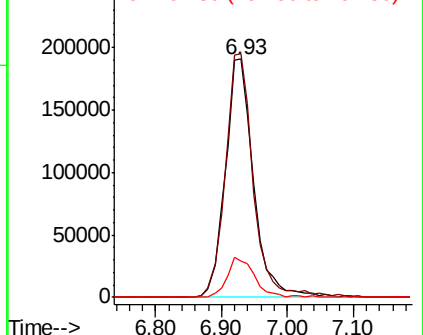
113 100

111 102.4 83.2 124.8

192 15.4 11.8 17.8



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: 6.193 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.09 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

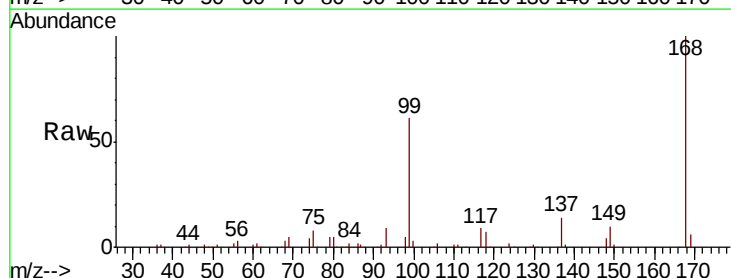
Tgt Ion: 75 Resp: 80848

Ion Ratio Lower Upper

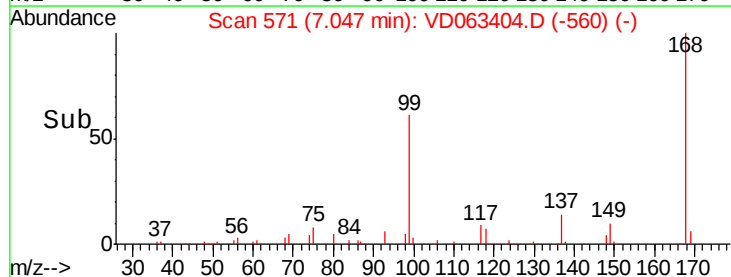
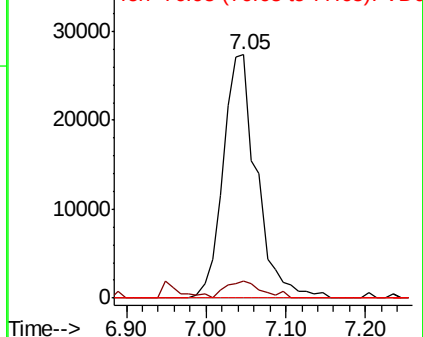
75 100

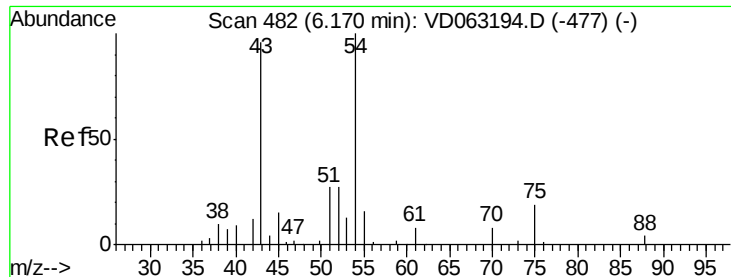
110 6.9 16.1 48.2#

77 0.0 22.7 34.1#



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: 1.018 ug/l

RT: 6.16 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-A

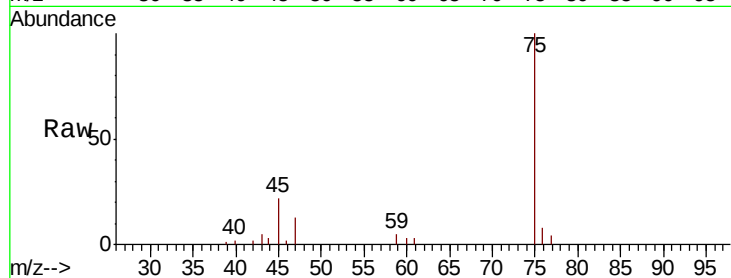
Tgt Ion: 43 Resp: 5971

Ion Ratio Lower Upper

43 100

61 59.0 11.3 16.9#

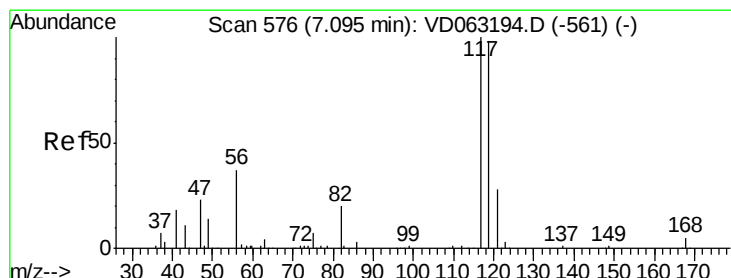
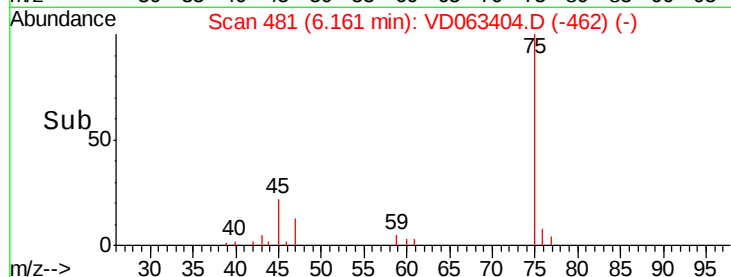
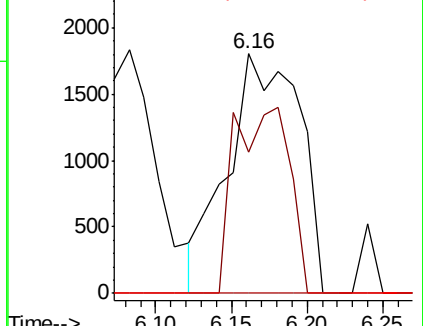
70 0.0 5.1 7.7#



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



#38

Carbon Tetrachloride

Concen: 4.968 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

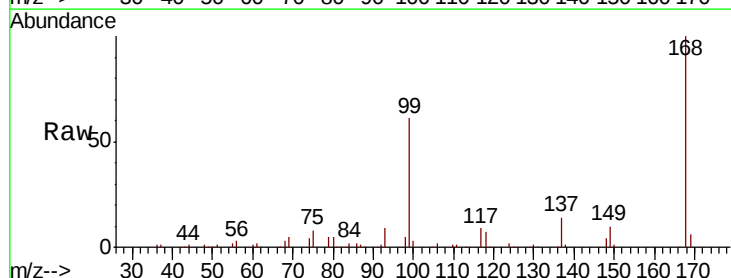
Tgt Ion: 117 Resp: 97650

Ion Ratio Lower Upper

117 100

119 3.7 78.2 117.2#

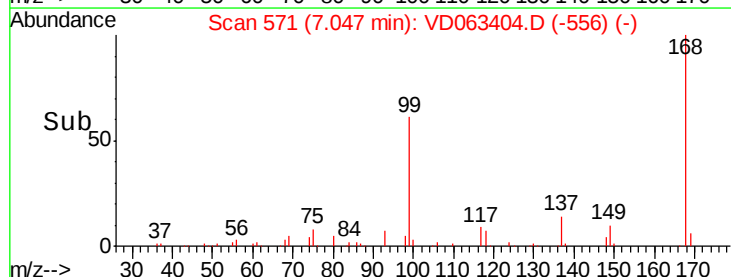
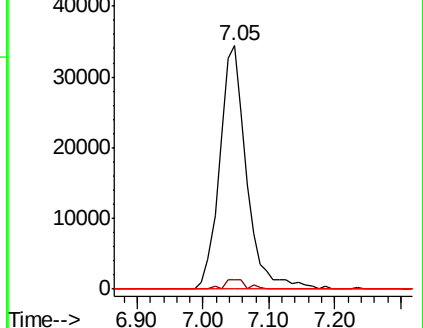
121 0.0 22.1 33.1#

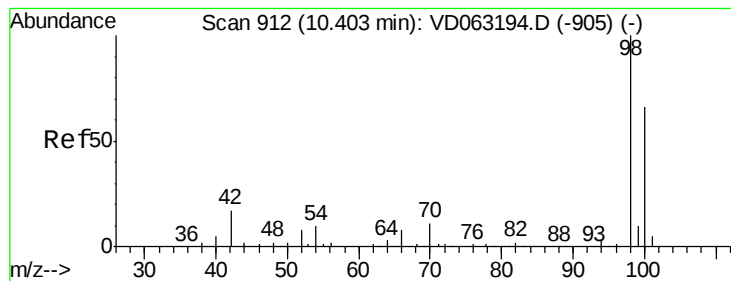


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#50

Toluene-d8

Concen: 43.035 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

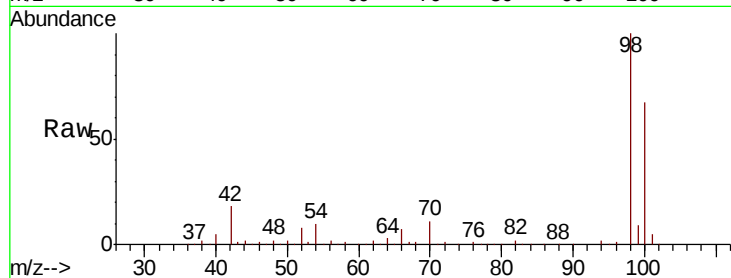
SU-02-080219-A

Tgt Ion: 98 Resp: 1176341

Ion Ratio Lower Upper

98 100

100 66.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

600000

500000

400000

300000

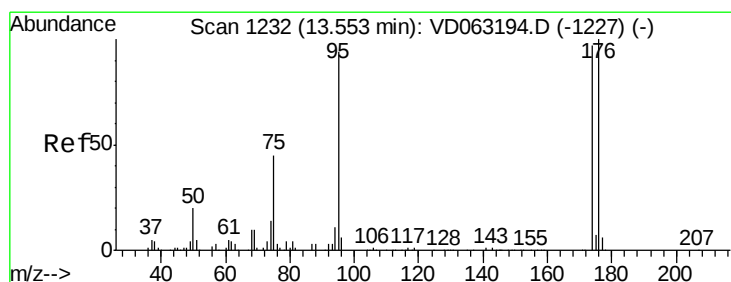
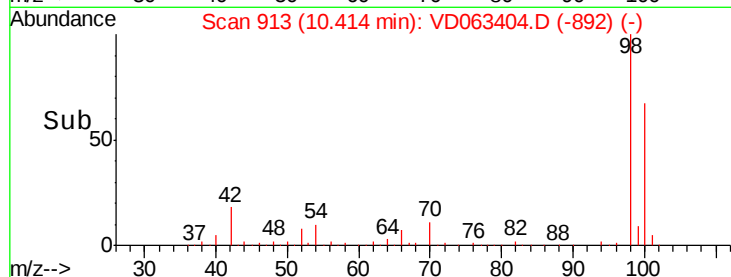
200000

100000

0

10.30 10.40 10.50 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 42.433 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

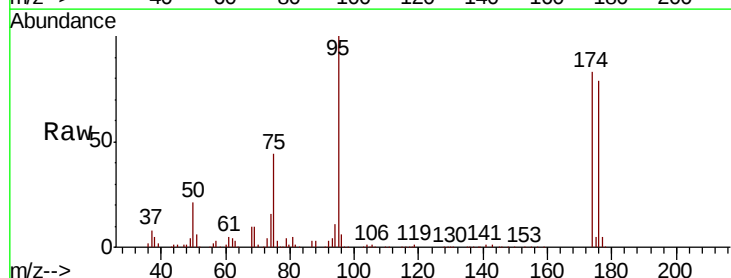
Tgt Ion: 95 Resp: 528556

Ion Ratio Lower Upper

95 100

174 82.9 0.0 205.4

176 79.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

500000

400000

300000

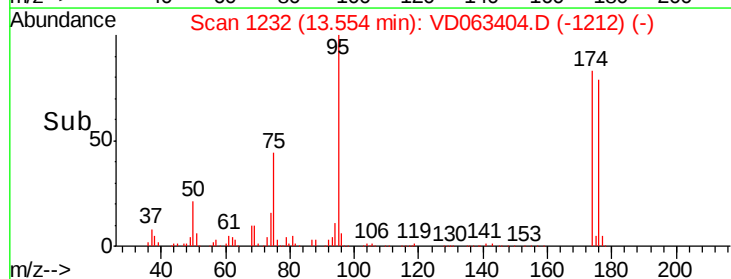
200000

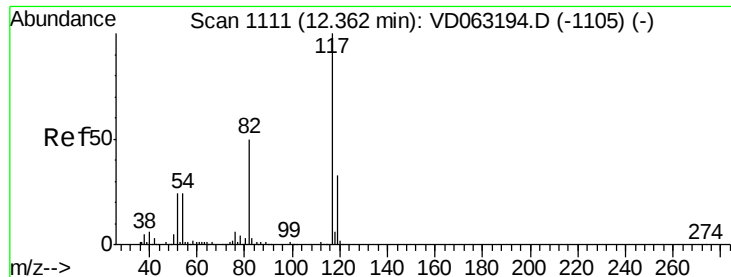
100000

0

13.50 13.60 13.70

Time-->

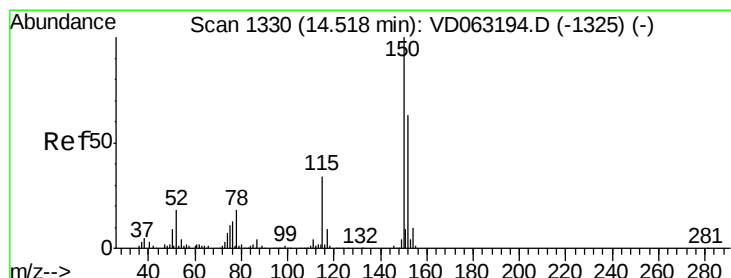
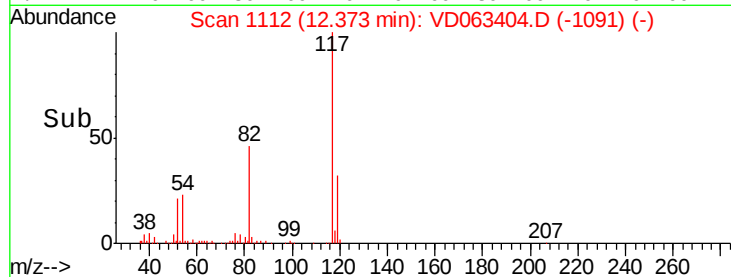
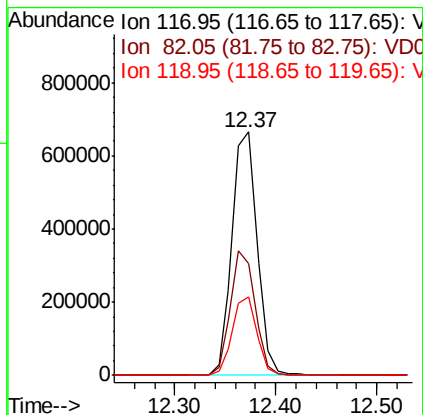
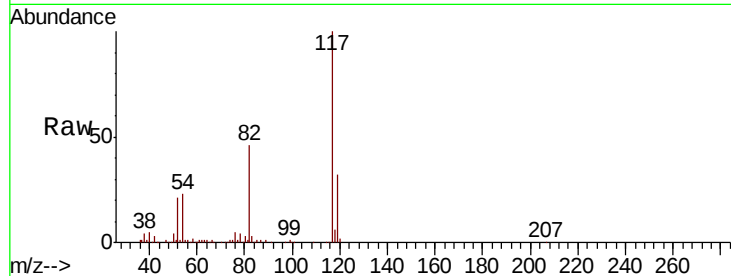




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063404.D
Acq: 6 Aug 2019 17:37

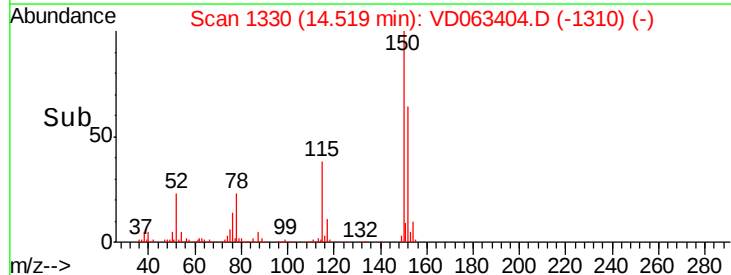
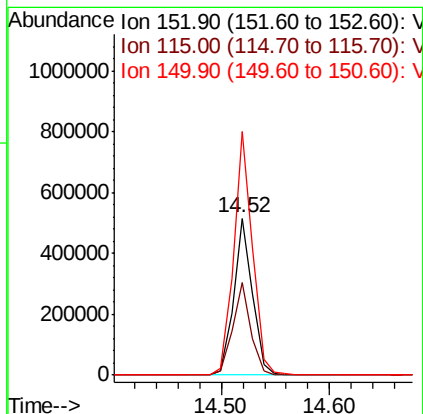
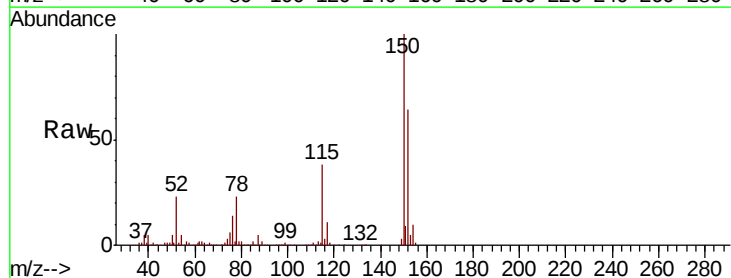
Instrument :
MSVOA_D
ClientSampleId :
SU-02-080219-A

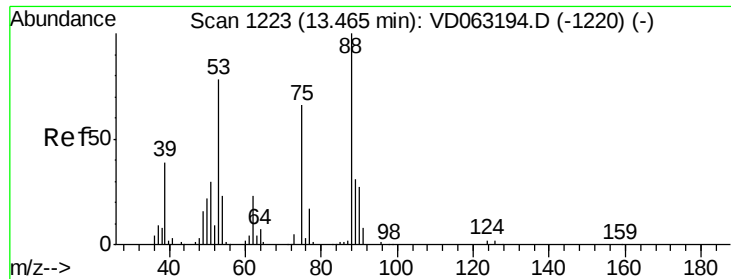
Tgt Ion:117 Resp: 1154787
Ion Ratio Lower Upper
117 100
82 46.1 40.1 60.1
119 32.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD063404.D
Acq: 6 Aug 2019 17:37

Tgt Ion:152 Resp: 617520
Ion Ratio Lower Upper
152 100
115 59.4 27.5 82.4
150 155.3 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 115.089 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063404.D

Acq: 6 Aug 2019 17:37

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-A

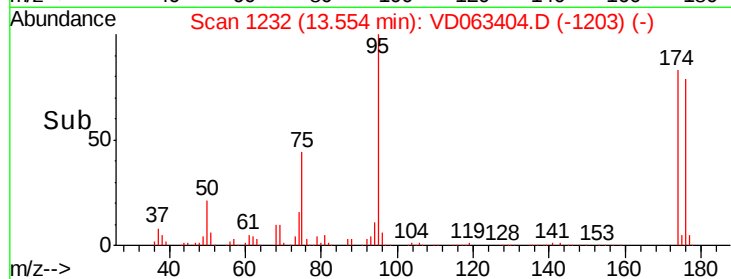
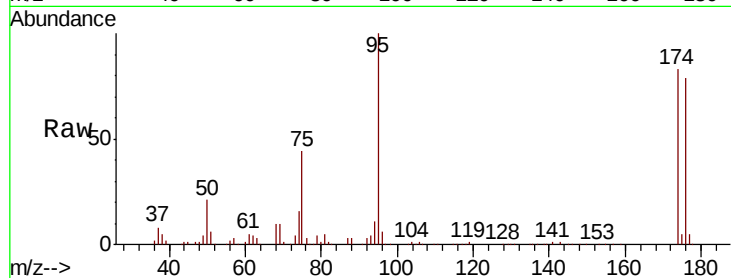
Tgt Ion: 75 Resp: 237038

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

