

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
 Data File : VD063382.D
 Acq On : 5 Aug 2019 15:55
 Operator : VA/AP
 Sample : K4095-01\
 Misc : 6.89g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 06 07:50:24 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	7.04	168	1057789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1475632	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1245944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	614811	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	557917	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
35) Dibromofluoromethane	6.91	113	618820	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.41	98	1272536	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
62) 4-Bromofluorobenzene	13.55	95	541708	42.16	ug/l	0.00
Spiked Amount			Recovery	=	84.32%	

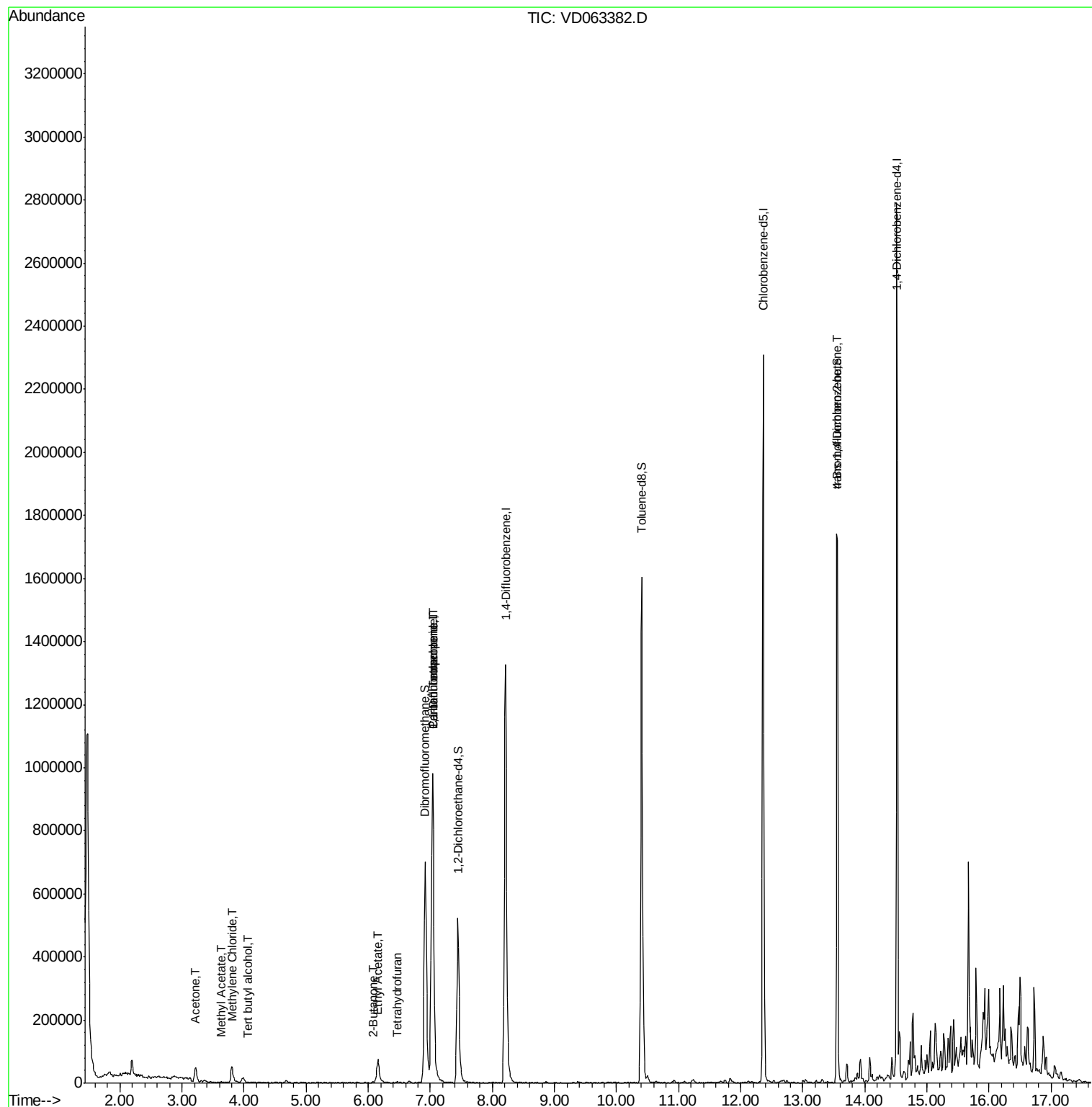
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	1547	3.003	ug/l #	69
16) Acetone	3.22	43	79409	34.724	ug/l #	88
18) Methyl Acetate	3.63	43	5186	1.181	ug/l #	72
20) Methylene Chloride	3.81	84	31583	3.417	ug/l	85
25) 2-Butanone	6.08	43	5118	2.230	ug/l #	38
29) Tetrahydrofuran	6.46	42	1679	1.545	ug/l #	60
36) 1,1-Dichloropropene	7.03	75	77044	5.721	ug/l #	54
37) Ethyl Acetate	6.15	43	6294	1.040	ug/l #	1
38) Carbon Tetrachloride	7.04	117	100424	4.953	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	241257	117.653	ug/l #	3

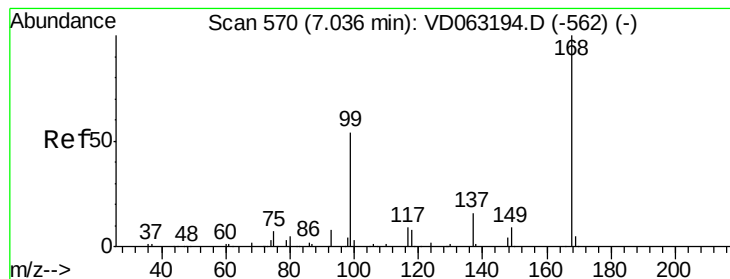
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080519\
Data File : VD063382.D
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Sample : K4095-01\
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Quant Time: Aug 06 07:50:24 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: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063382.D

Acq: 5 Aug 2019 15:55

Instrument :

MSVOA_D

ClientSampleId :

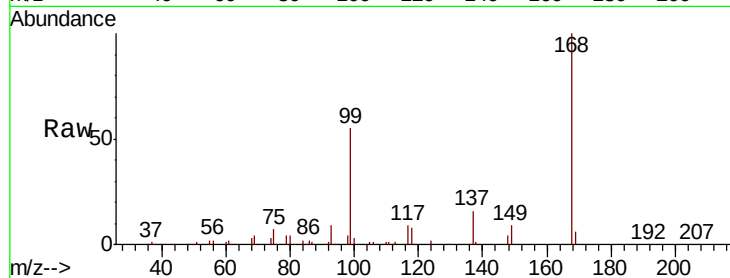
SU-02-080219-A

Tgt Ion:168 Resp: 1057789

Ion Ratio Lower Upper

168 100

99 55.0 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

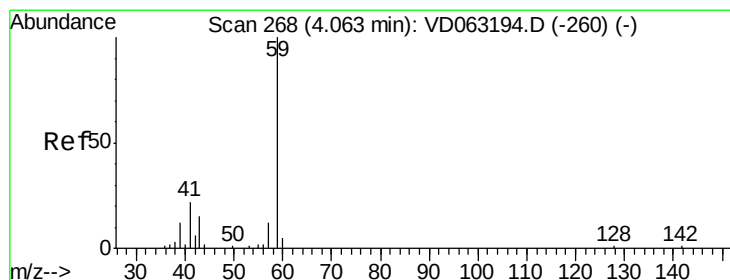
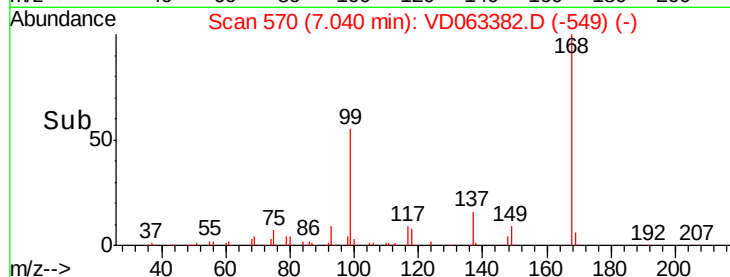
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 3.003 ug/l

RT: 4.07 min Scan# 268

Delta R.T. 0.00 min

Lab File: VD063382.D

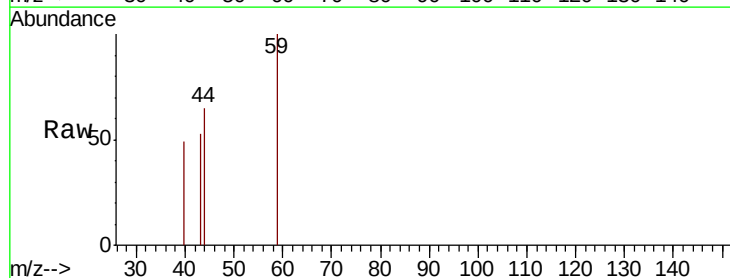
Acq: 5 Aug 2019 15:55

Tgt Ion: 59 Resp: 1547

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

1000

800

600

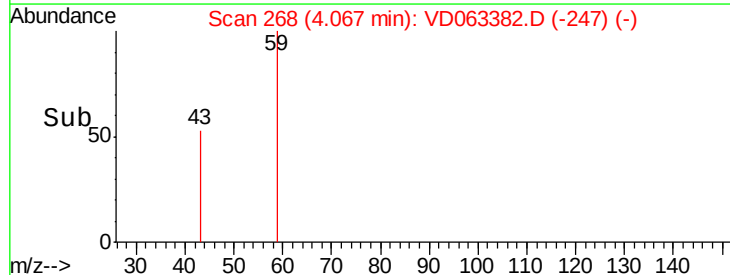
400

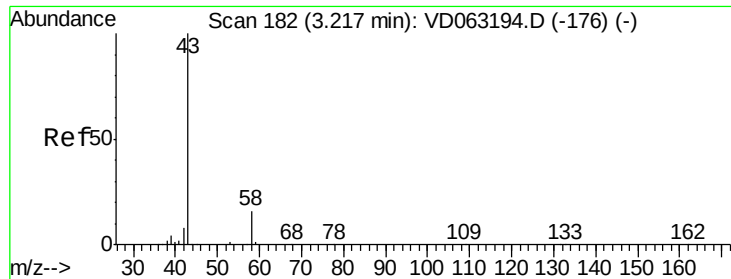
200

0

Time-->

4.05 4.10





#16

Acetone

Concen: 34.724 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063382.D

Acq: 5 Aug 2019 15:55

Instrument :

MSVOA_D

ClientSampleId :

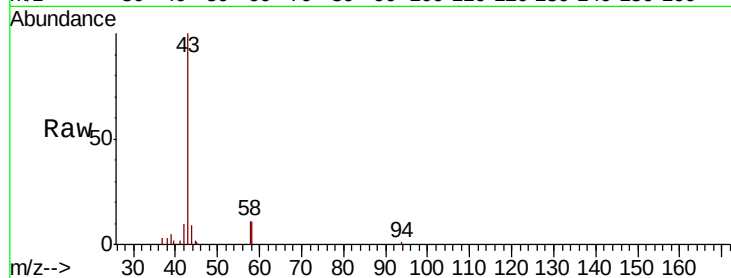
SU-02-080219-A

Tgt Ion: 43 Resp: 79409

Ion Ratio Lower Upper

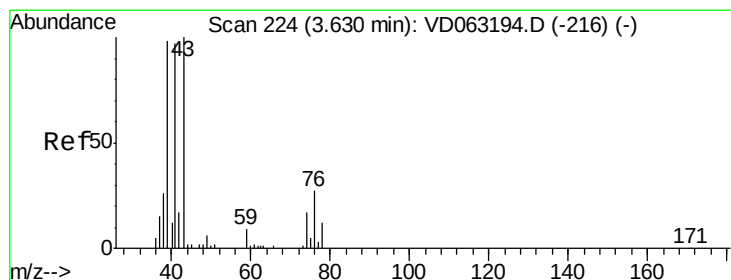
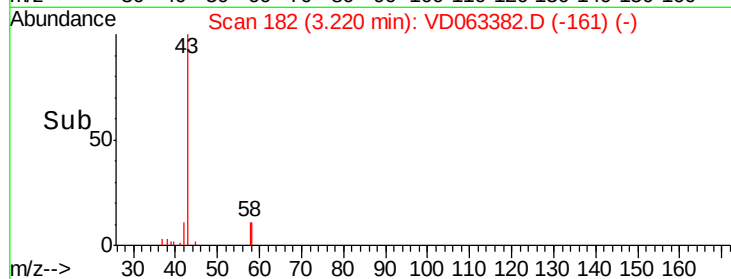
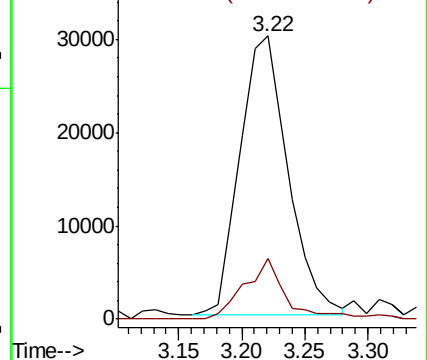
43 100

58 21.3 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.181 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD063382.D

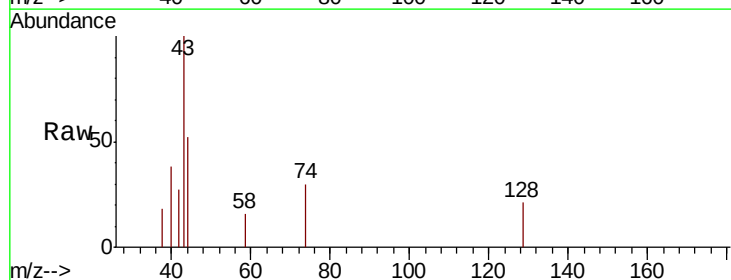
Acq: 5 Aug 2019 15:55

Tgt Ion: 43 Resp: 5186

Ion Ratio Lower Upper

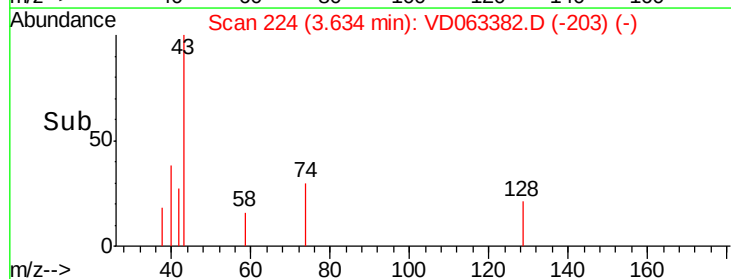
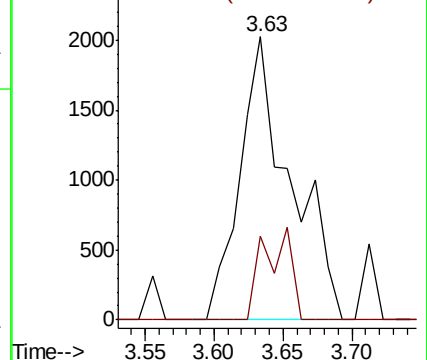
43 100

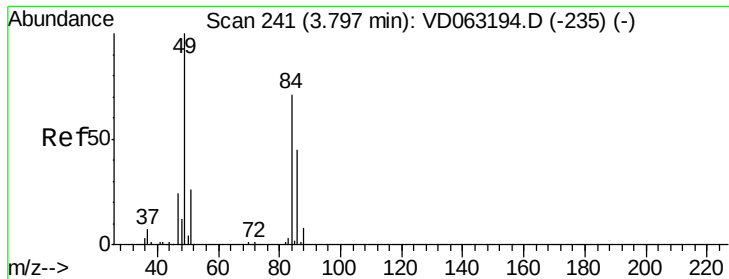
74 29.7 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

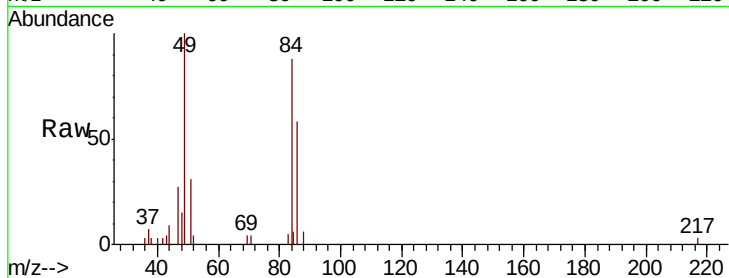




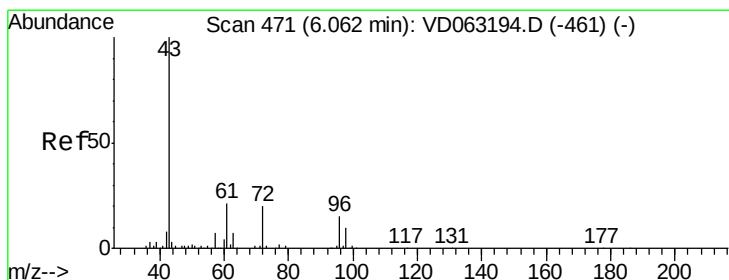
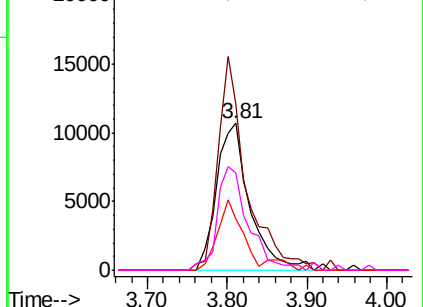
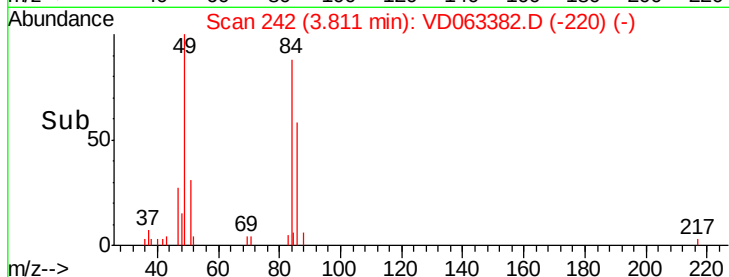
#20
Methylene Chloride
Concen: 3.417 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063382.D
Acq: 5 Aug 2019 15:55

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

Tgt Ion: 84 Resp: 31583
Ion Ratio Lower Upper
84 100
49 113.4 112.5 168.7
51 35.0 29.6 44.4
86 66.2 50.4 75.6

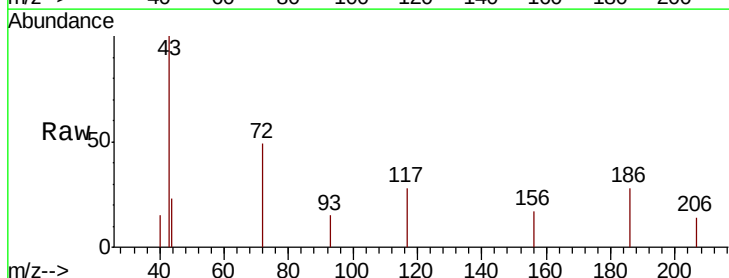


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

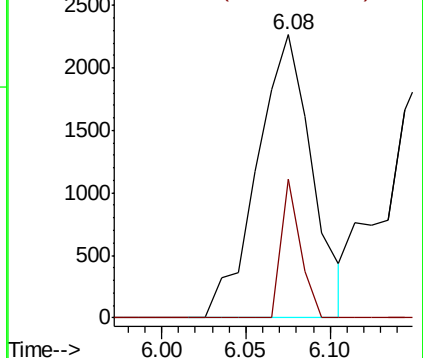
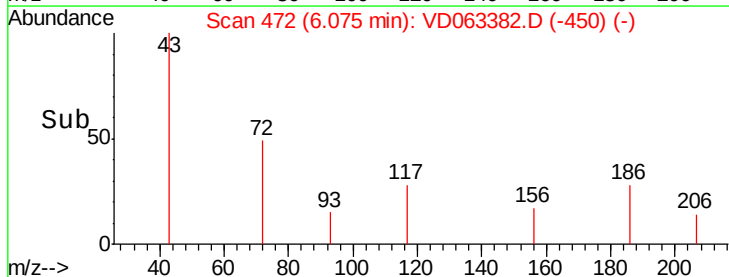


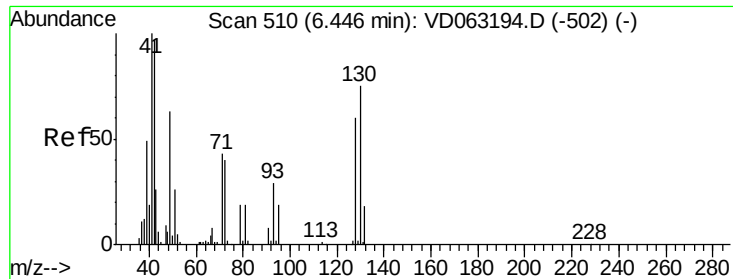
#25
2-Butanone
Concen: 2.230 ug/l
RT: 6.08 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD063382.D
Acq: 5 Aug 2019 15:55

Tgt Ion: 43 Resp: 5118
Ion Ratio Lower Upper
43 100
72 49.2 16.3 24.5#



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





#29

Tetrahydrofuran

Concen: 1.545 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063382.D

Acq: 5 Aug 2019 15:55

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-A

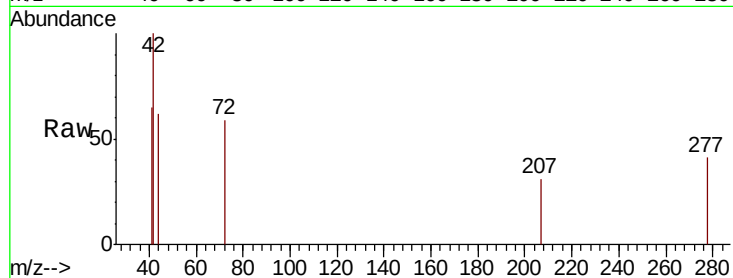
Tgt Ion: 42 Resp: 1679

Ion Ratio Lower Upper

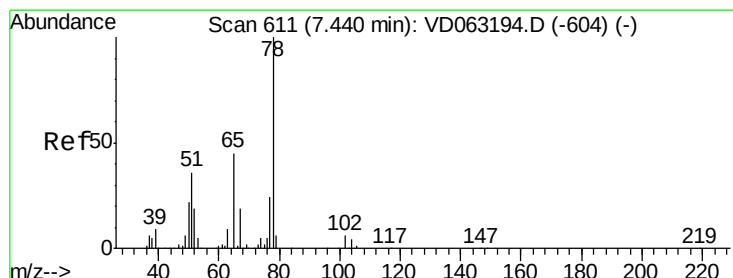
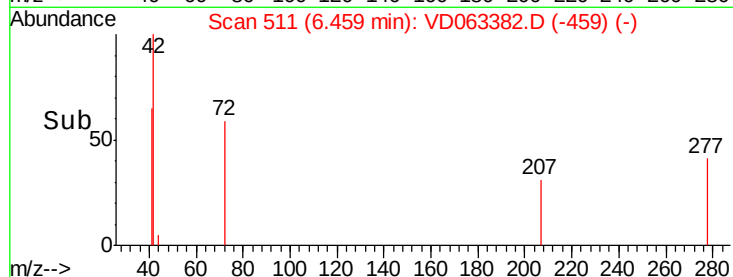
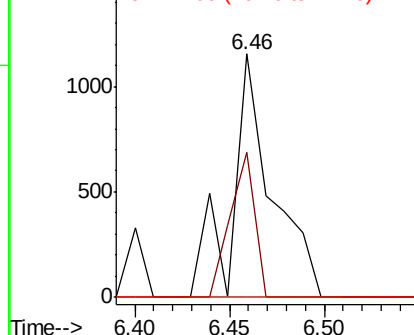
42 100

72 36.0 33.4 50.2

71 0.0 35.7 53.5#



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



#33

1,2-Dichloroethane-d4

Concen: 47.534 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063382.D

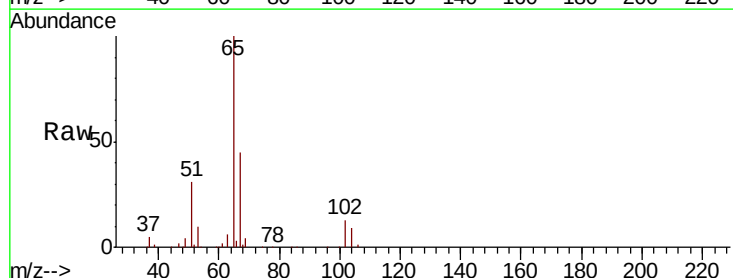
Acq: 5 Aug 2019 15:55

Tgt Ion: 65 Resp: 557917

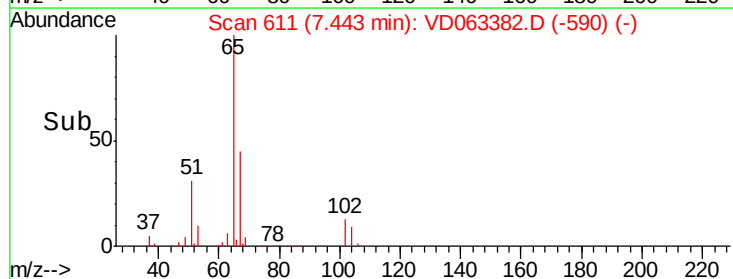
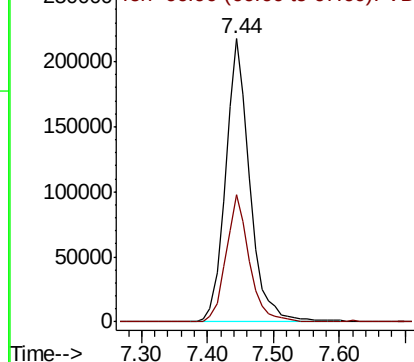
Ion Ratio Lower Upper

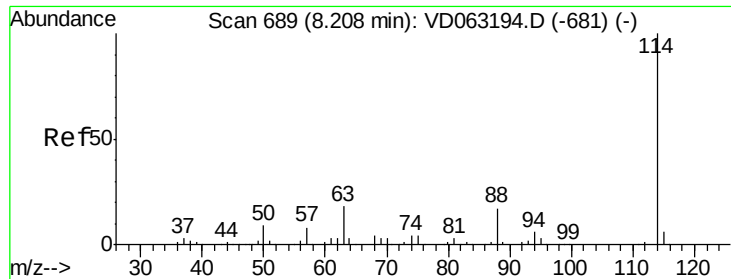
65 100

67 44.9 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

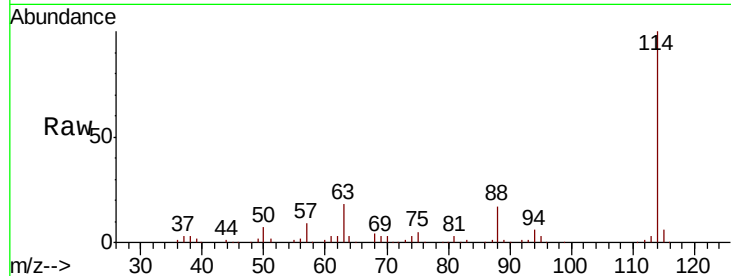




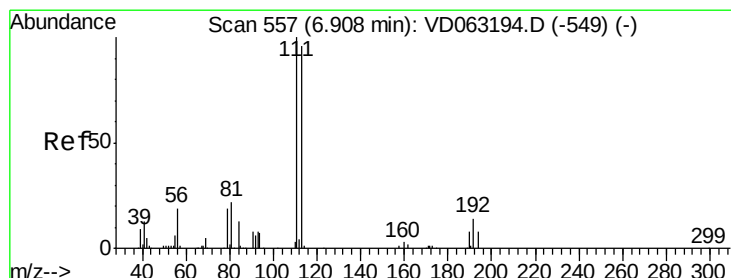
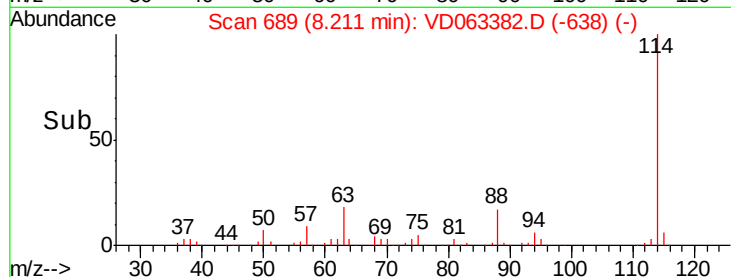
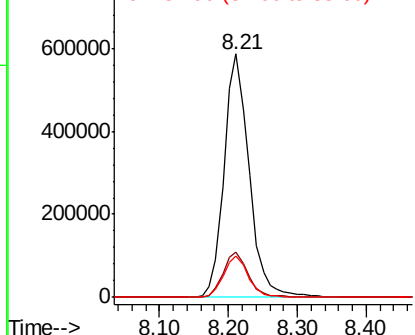
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063382.D
 Acq: 5 Aug 2019 15:55

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

Tgt Ion:114 Resp: 1475632
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.2
 88 17.2 0.0 34.6

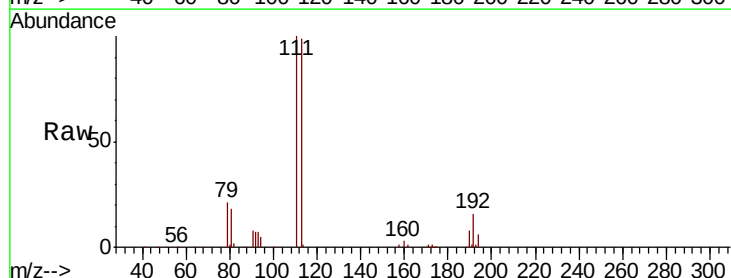


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

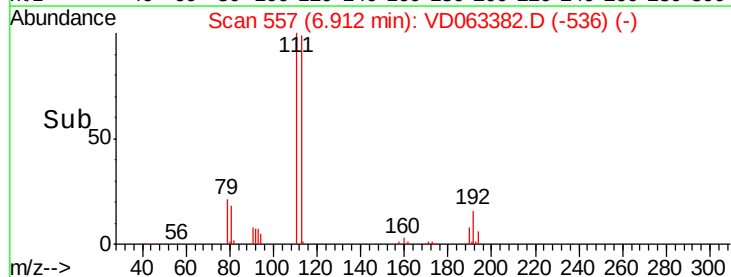
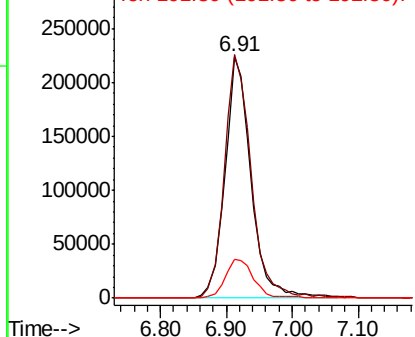


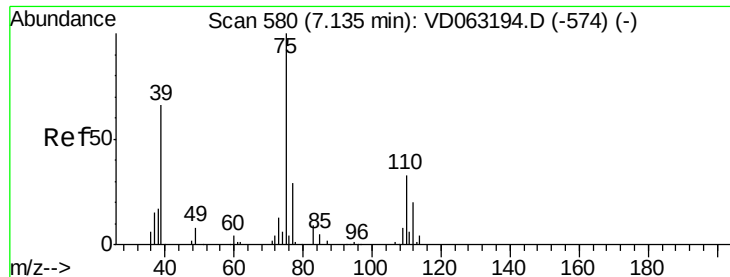
#35
 Dibromofluoromethane
 Concen: 49.118 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD063382.D
 Acq: 5 Aug 2019 15:55

Tgt Ion:113 Resp: 618820
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.2 124.8
 192 16.3 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

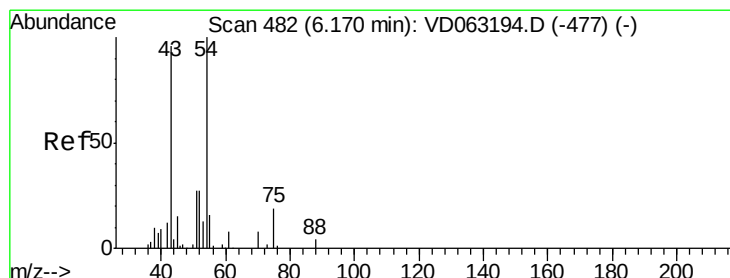
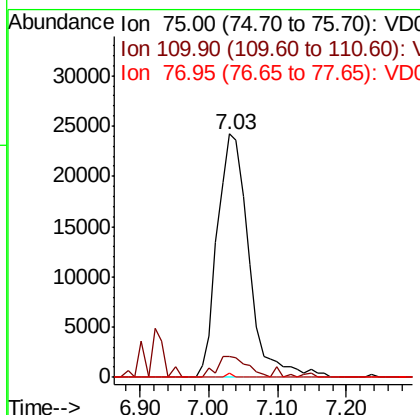
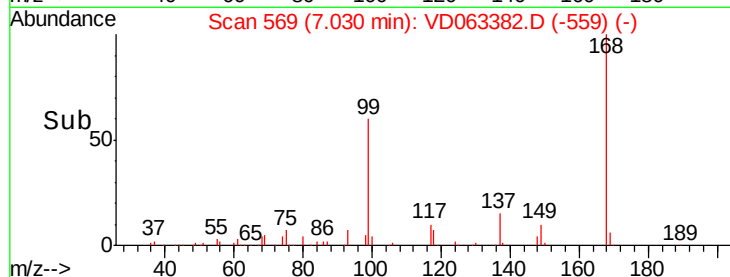
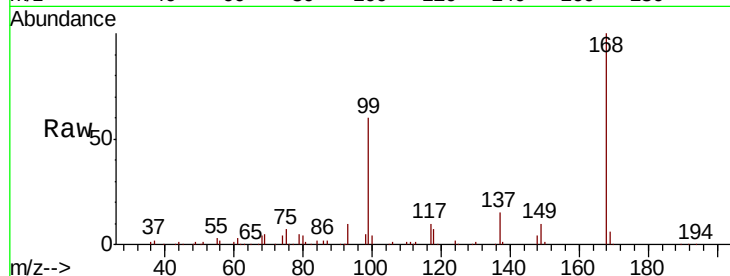




#36
 1,1-Dichloropropene
 Concen: 5.721 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063382.D
 Acq: 5 Aug 2019 15:55

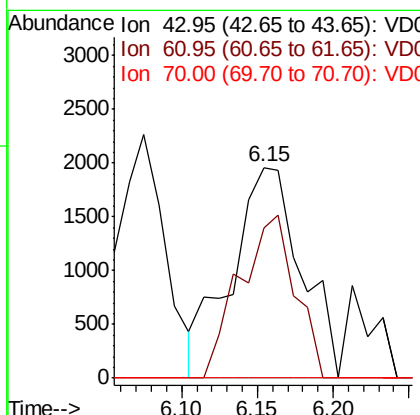
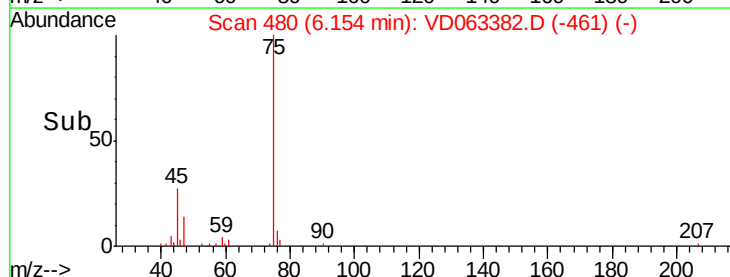
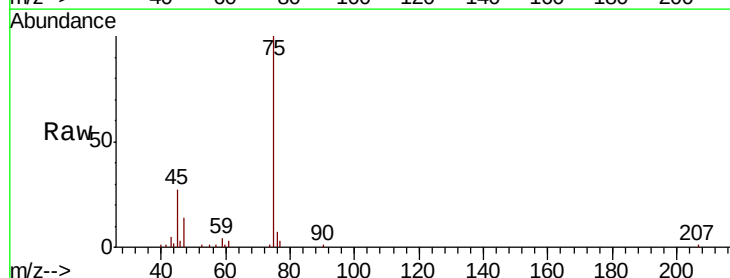
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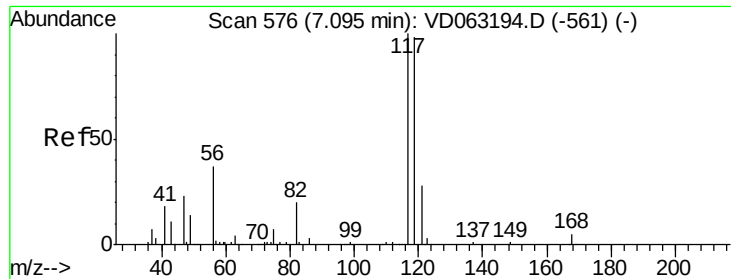
Tgt Ion: 75 Resp: 77044
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.1 48.2#
 77 1.6 22.7 34.1#



#37
 Ethyl Acetate
 Concen: 1.040 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD063382.D
 Acq: 5 Aug 2019 15:55

Tgt Ion: 43 Resp: 6294
 Ion Ratio Lower Upper
 43 100
 61 71.0 11.3 16.9#
 70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 4.953 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063382.D

Acq: 5 Aug 2019 15:55

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-A

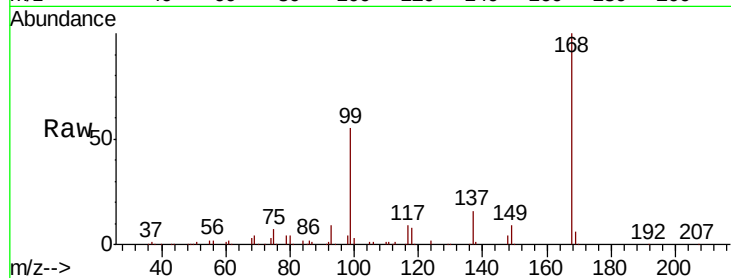
Tgt Ion:117 Resp: 100424

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

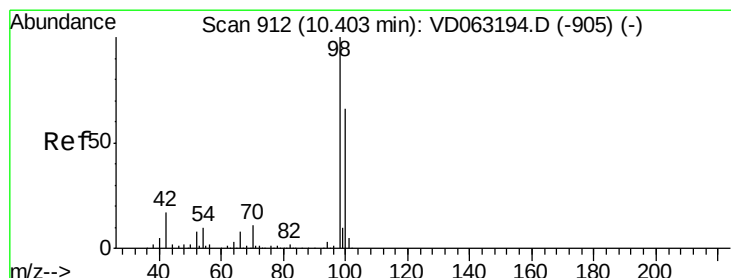
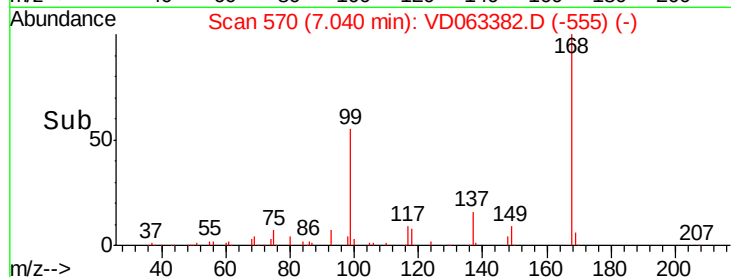
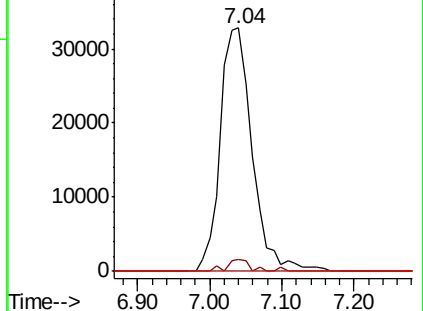
121 0.0 22.1 33.1#



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: 45.132 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063382.D

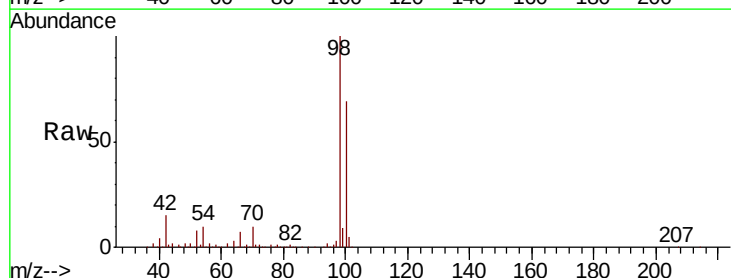
Acq: 5 Aug 2019 15:55

Tgt Ion: 98 Resp: 1272536

Ion Ratio Lower Upper

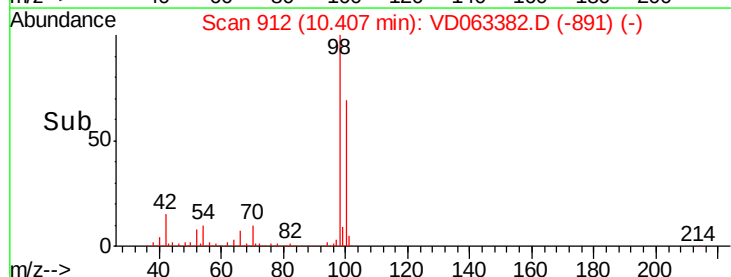
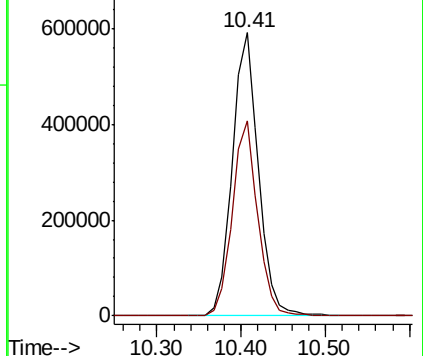
98 100

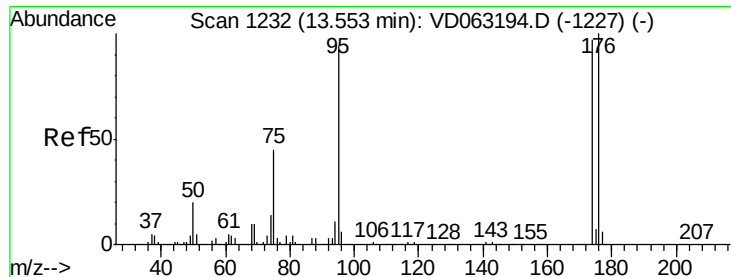
100 68.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 42.160 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063382.D

Acq: 5 Aug 2019 15:55

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-A

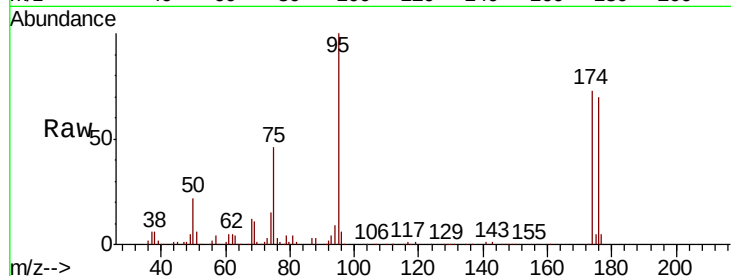
Tgt Ion: 95 Resp: 541708

Ion Ratio Lower Upper

95 100

174 73.3 0.0 205.4

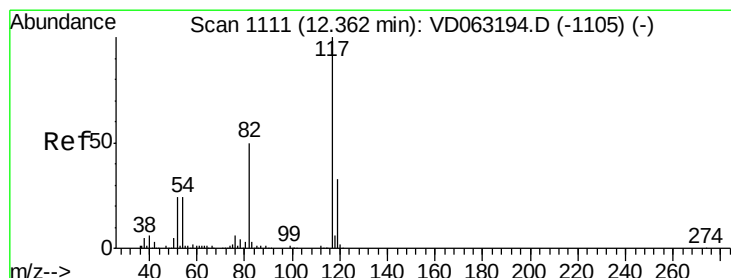
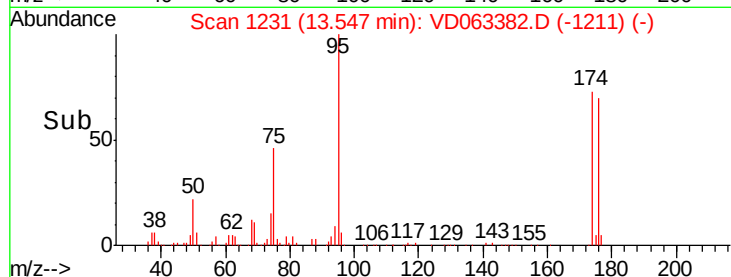
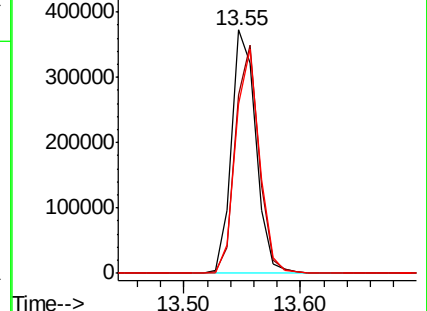
176 69.6 0.0 211.8



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: 12.37 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD063382.D

Acq: 5 Aug 2019 15:55

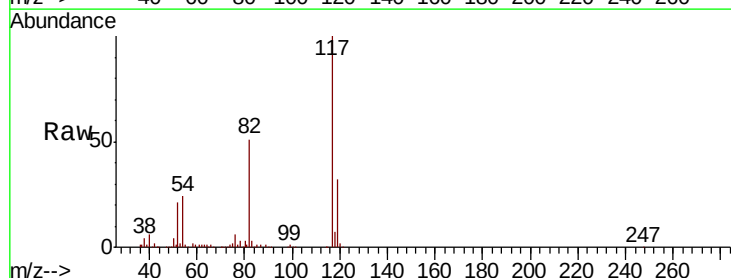
Tgt Ion: 117 Resp: 1245944

Ion Ratio Lower Upper

117 100

82 50.7 40.1 60.1

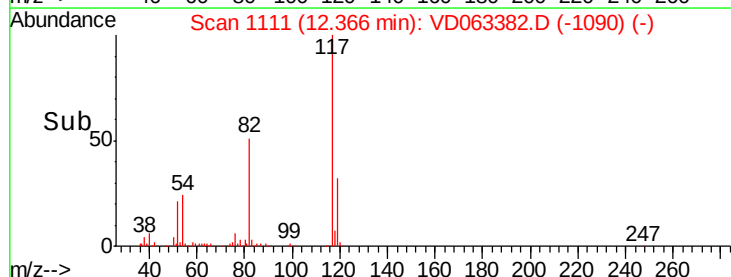
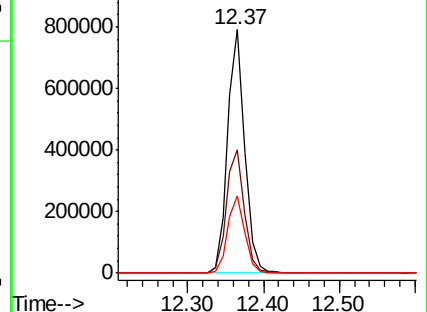
119 32.0 26.5 39.7

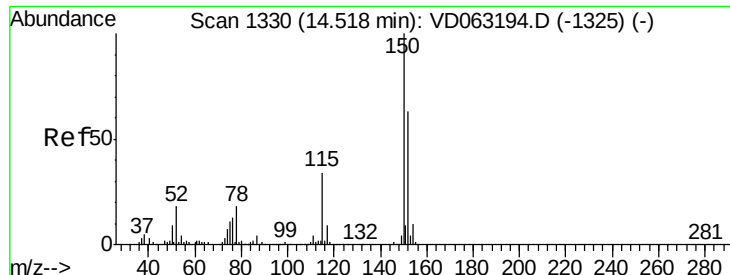


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

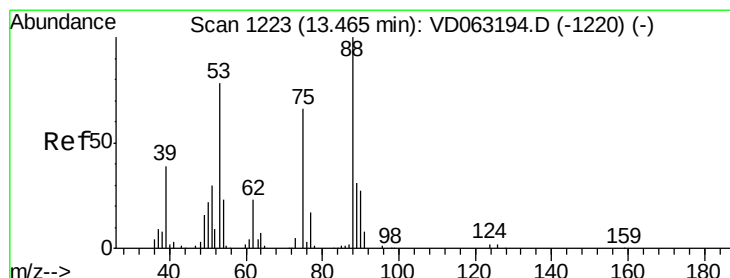
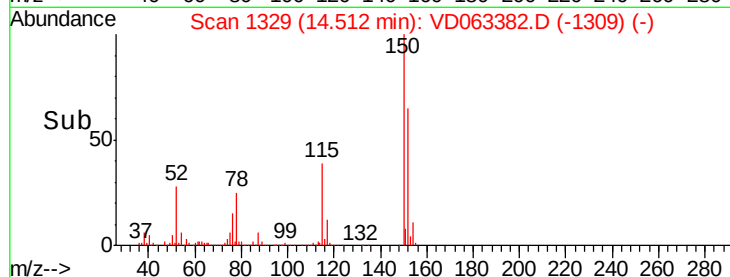
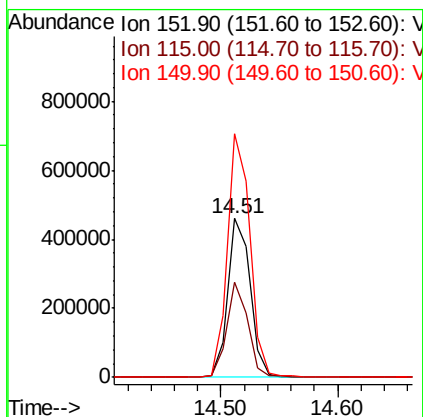
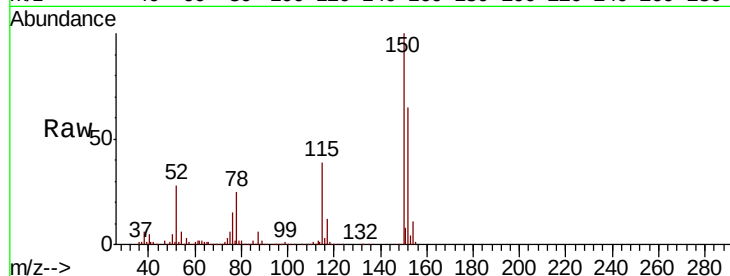




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD063382.D
 Acq: 5 Aug 2019 15:55

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

Tgt Ion: 152 Resp: 614811
 Ion Ratio Lower Upper
 152 100
 115 60.3 27.5 82.4
 150 153.5 0.0 320.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.653 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.08 min
 Lab File: VD063382.D
 Acq: 5 Aug 2019 15:55

Tgt Ion: 75 Resp: 241257
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#

