

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
 Data File : VD063405.D
 Acq On : 6 Aug 2019 18:06
 Operator : JC/SY
 Sample : K4095-03RE
 Misc : 4.45g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 07 06:43:29 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	1142222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1575023	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	1334605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	662773	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	545404	43.03	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	86.06%	
35) Dibromofluoromethane	6.92	113	615701	45.79	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	91.58%	
50) Toluene-d8	10.41	98	1339538	44.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.02%	
62) 4-Bromofluorobenzene	13.56	95	534104	38.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.90%	

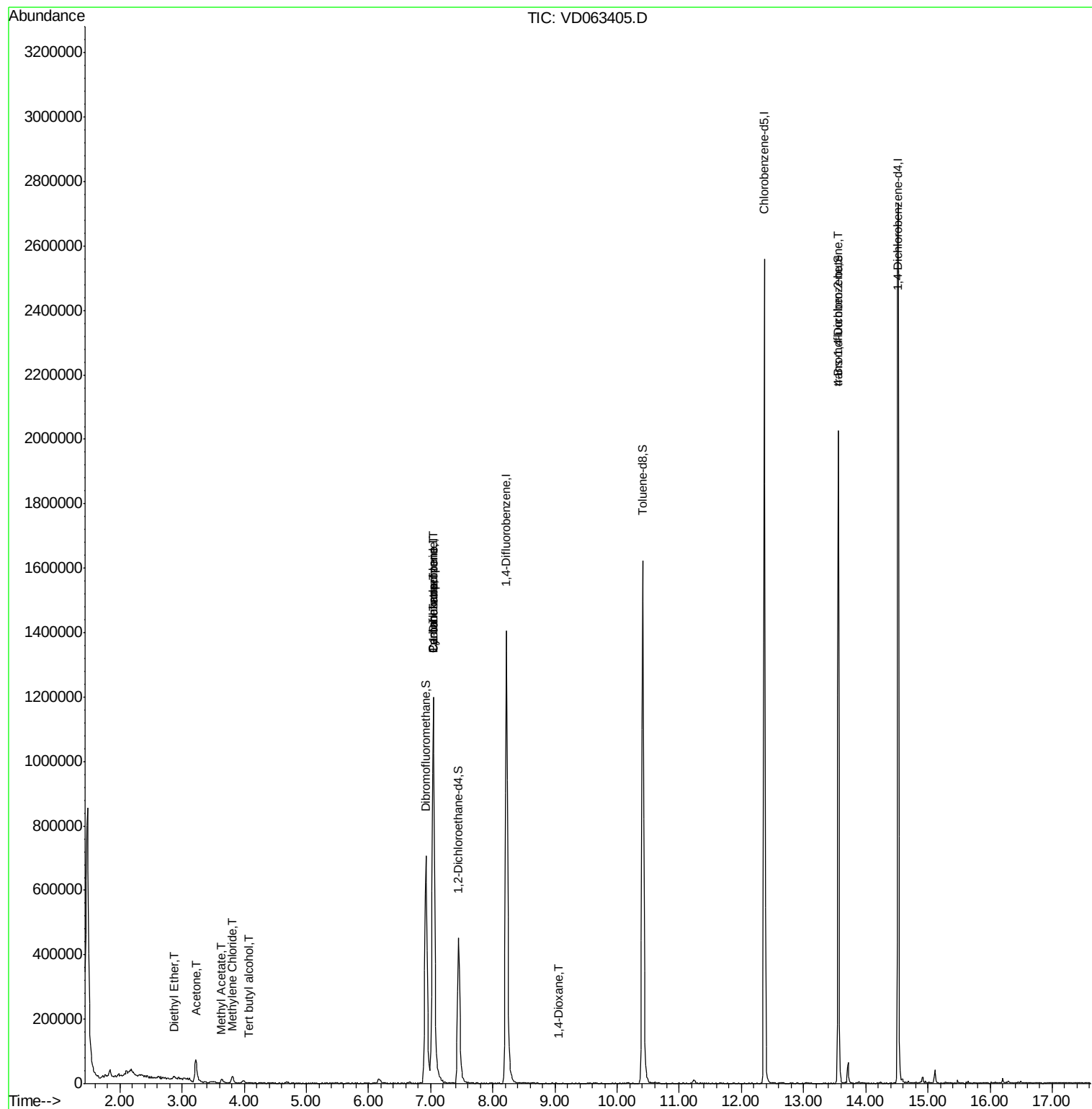
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.88	74	3631	1.191	ug/l	56
11) Tert butyl alcohol	4.09	59	4411	7.931	ug/l #	69
16) Acetone	3.22	43	136891	55.435	ug/l	100
18) Methyl Acetate	3.63	43	23924	5.044	ug/l	100
20) Methylene Chloride	3.81	84	14897	1.492	ug/l #	89
31) Cyclohexane	7.04	56	23075	2.044	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	84004	5.844	ug/l #	54
38) Carbon Tetrachloride	7.04	117	108677	5.022	ug/l #	14
49) 1,4-Dioxane	9.05	88	233	1.029	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.56	75	245948	111.261	ug/l #	3

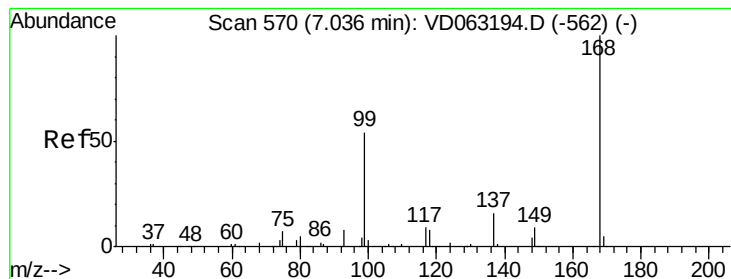
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080619\
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Quant Time: Aug 07 06:43:29 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: VD063405.D

Acq: 6 Aug 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

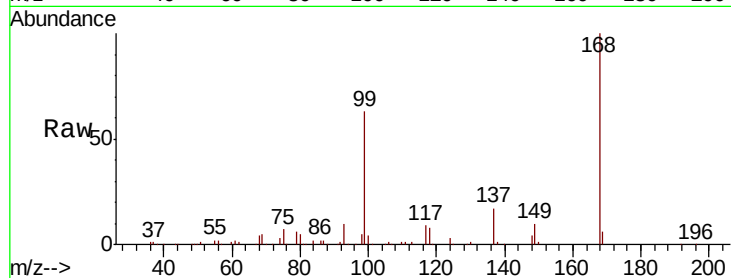
SU-02-080219-B

Tgt Ion:168 Resp: 1142222

Ion Ratio Lower Upper

168 100

99 63.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

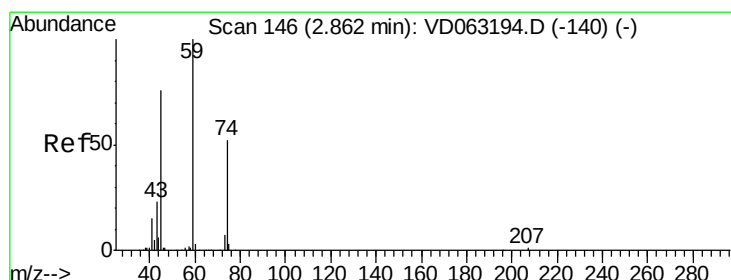
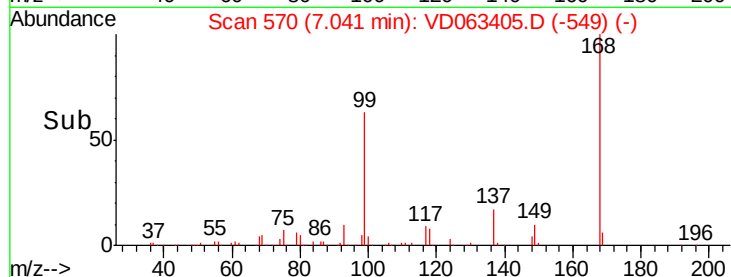
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 1.191 ug/l

RT: 2.88 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD063405.D

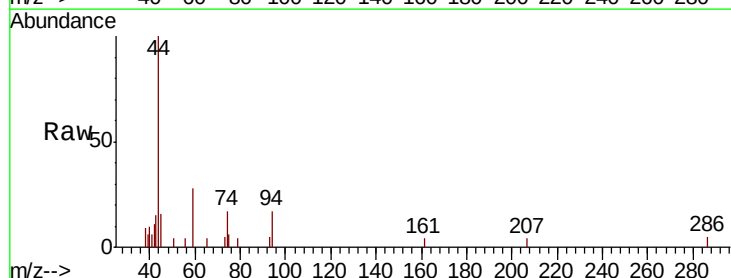
Acq: 6 Aug 2019 18:06

Tgt Ion: 74 Resp: 3631

Ion Ratio Lower Upper

74 100

45 92.6 73.6 220.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.88

2500

2000

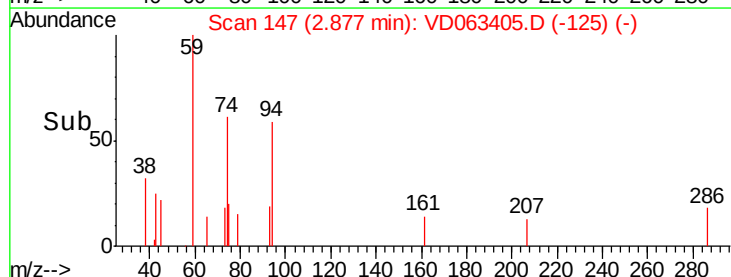
1500

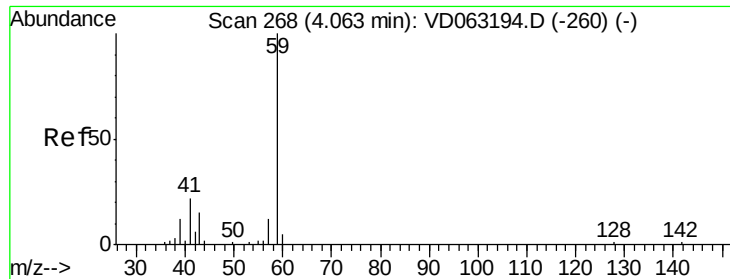
1000

500

0

Time-->

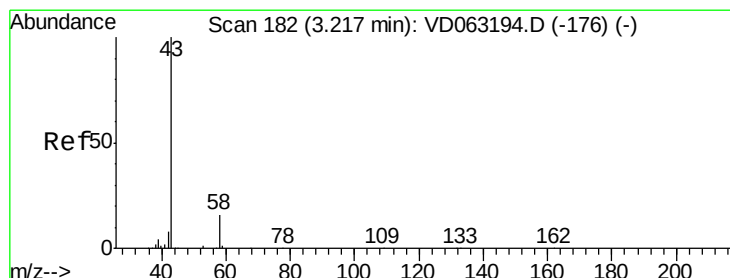
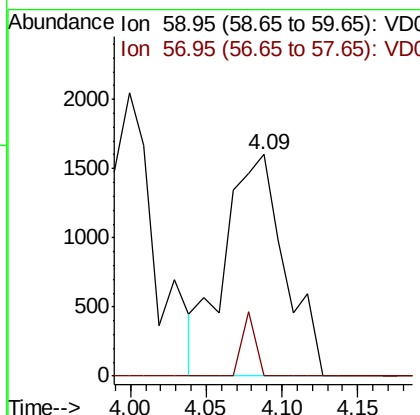
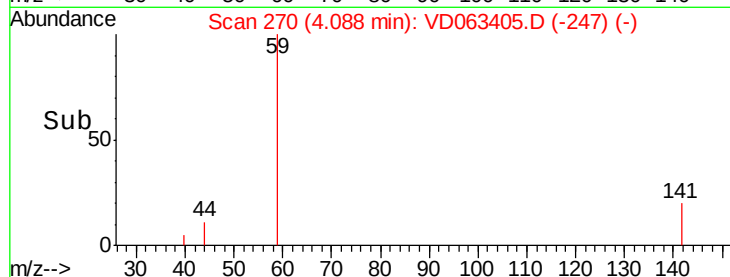
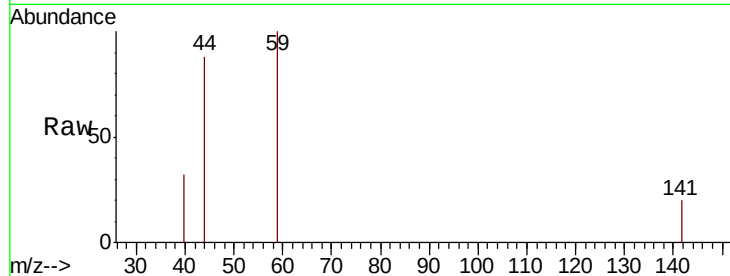




#11
Tert butyl alcohol
Concen: 7.931 ug/l
RT: 4.09 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD063405.D
Acq: 6 Aug 2019 18:06

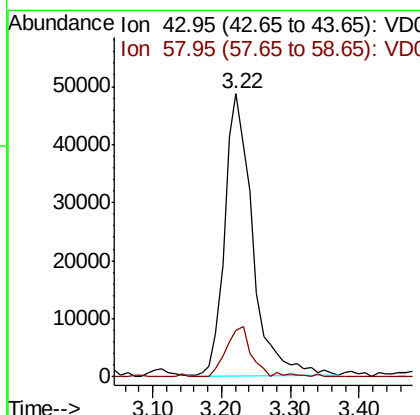
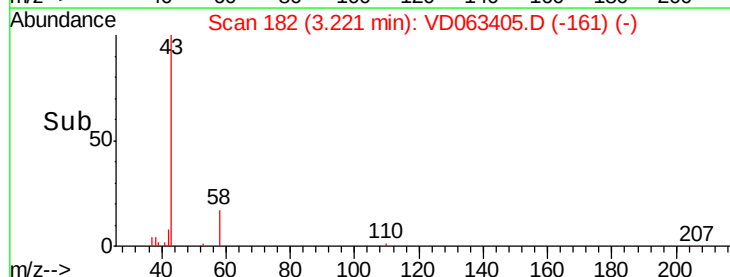
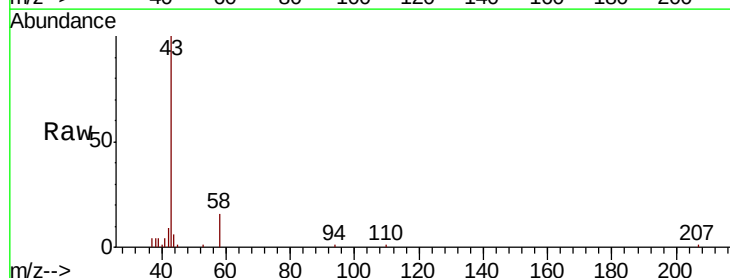
Instrument :
MSVOA_D
ClientSampleId :
SU-02-080219-B

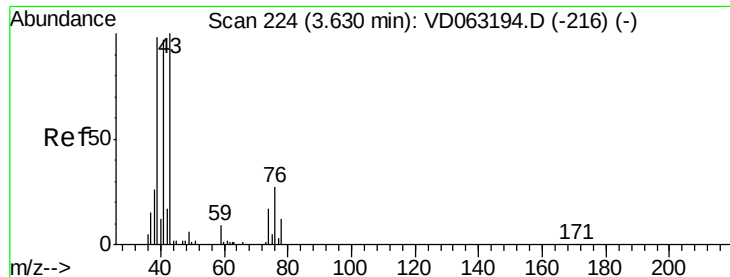
Tgt Ion: 59 Resp: 4411
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#



#16
Acetone
Concen: 55.435 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD063405.D
Acq: 6 Aug 2019 18:06

Tgt Ion: 43 Resp: 136891
Ion Ratio Lower Upper
43 100
58 16.3 13.0 19.4

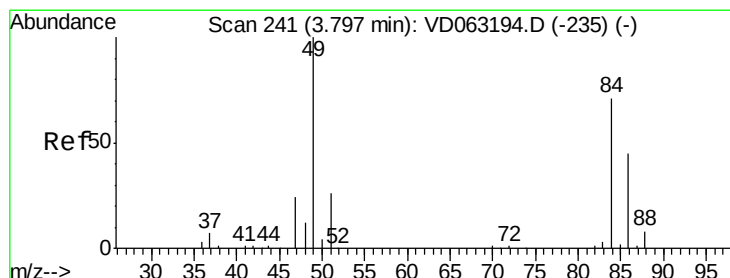
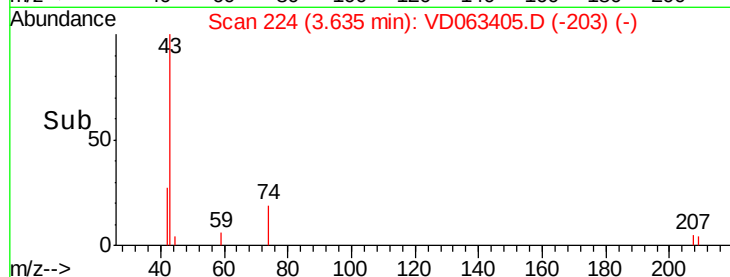
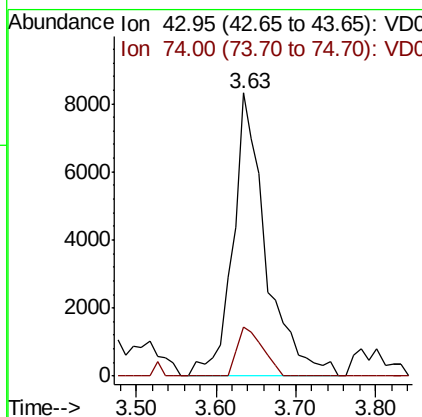
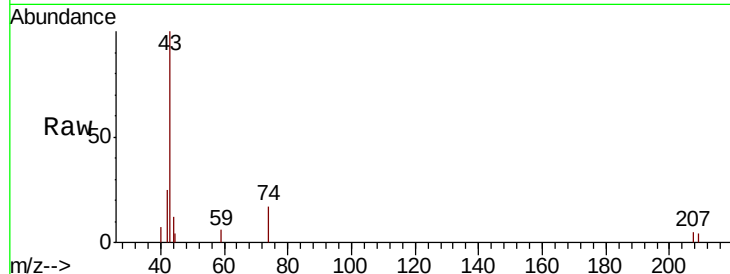




#18
Methyl Acetate
Concen: 5.044 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD063405.D
Acq: 6 Aug 2019 18:06

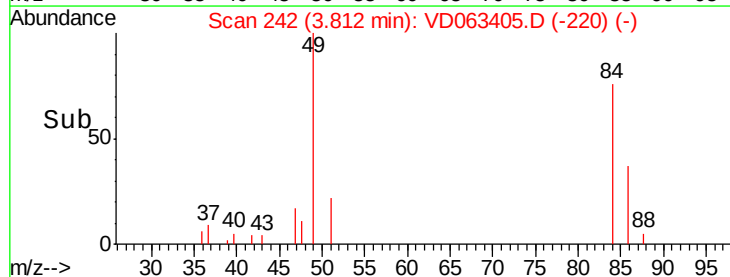
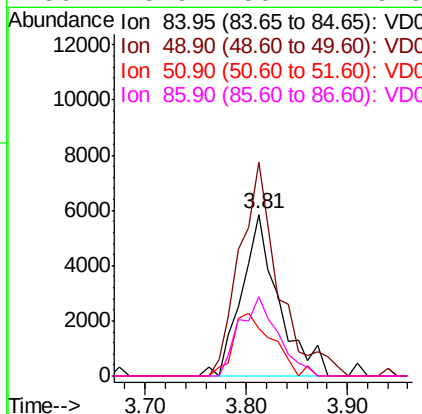
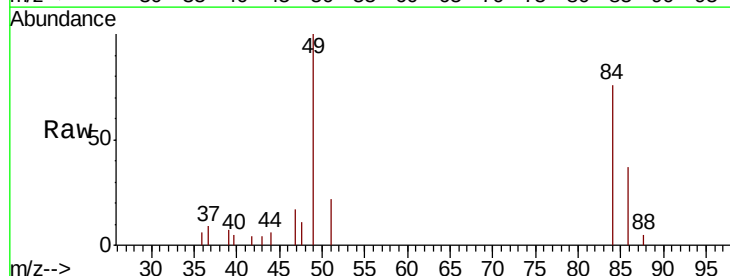
Instrument :
MSVOA_D
ClientSampleId :
SU-02-080219-B

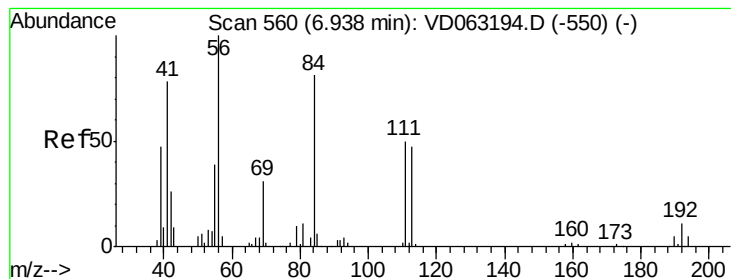
Tgt Ion: 43 Resp: 23924
Ion Ratio Lower Upper
43 100
74 17.3 13.8 20.8



#20
Methylene Chloride
Concen: 1.492 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063405.D
Acq: 6 Aug 2019 18:06

Tgt Ion: 84 Resp: 14897
Ion Ratio Lower Upper
84 100
49 132.2 112.5 168.7
51 29.1 29.6 44.4#
86 48.9 50.4 75.6#





#31

Cyclohexane

Concen: 2.044 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063405.D

Acq: 6 Aug 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-B

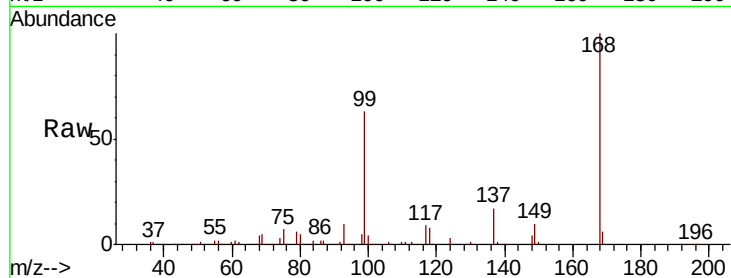
Tgt Ion: 56 Resp: 23075

Ion Ratio Lower Upper

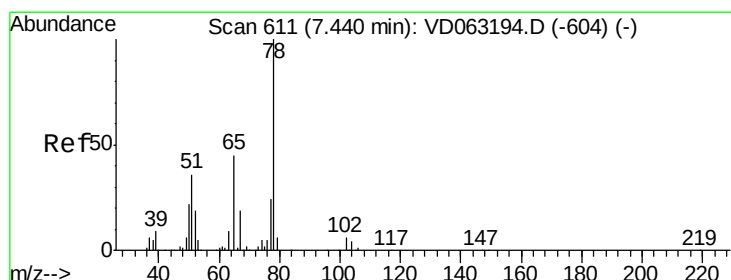
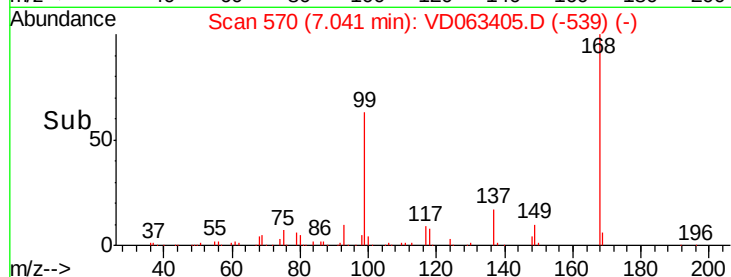
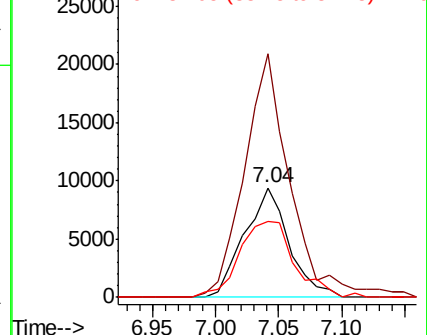
56 100

69 222.5 24.5 36.7#

84 69.3 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: 43.033 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063405.D

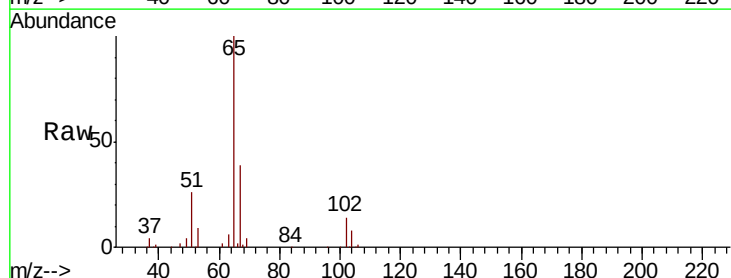
Acq: 6 Aug 2019 18:06

Tgt Ion: 65 Resp: 545404

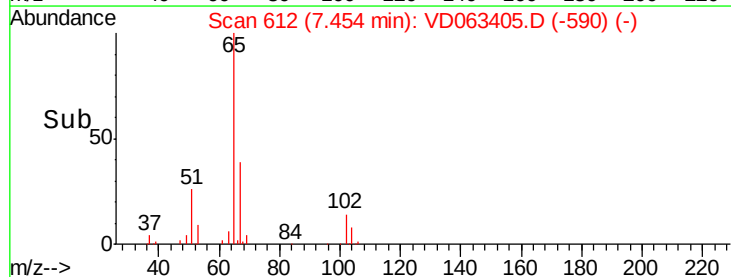
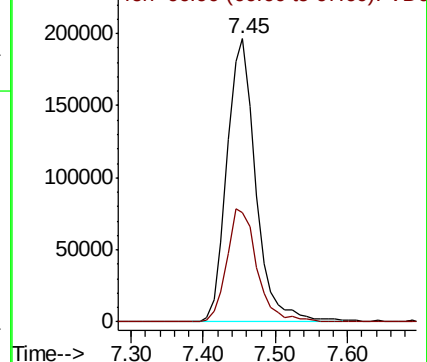
Ion Ratio Lower Upper

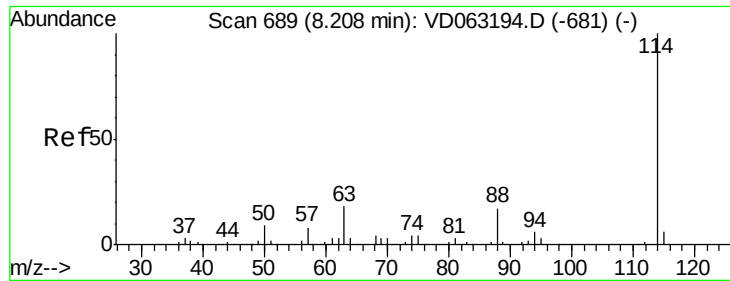
65 100

67 38.7 0.0 85.8



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

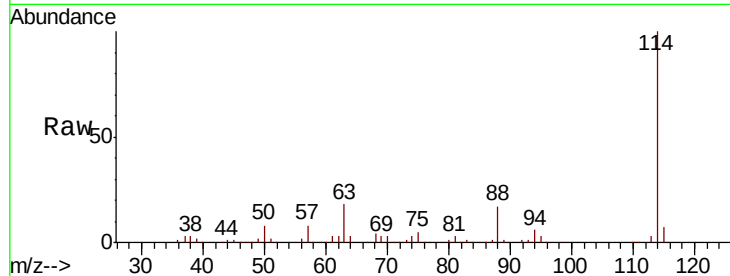




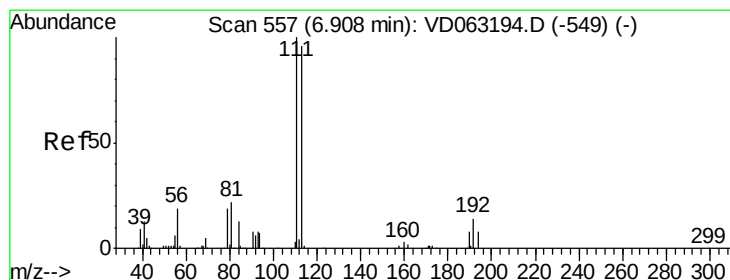
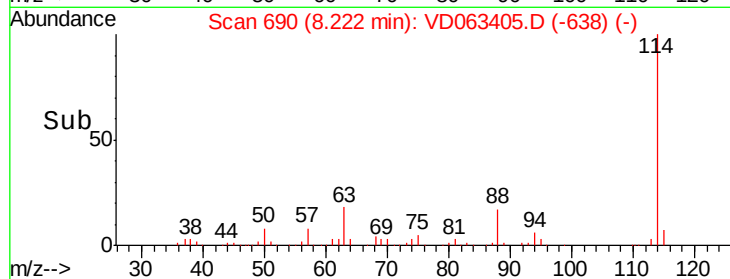
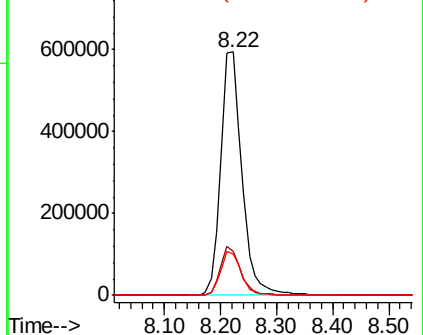
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD063405.D
 Acq: 6 Aug 2019 18:06

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

Tgt Ion:114 Resp: 1575023
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 16.9 0.0 34.6

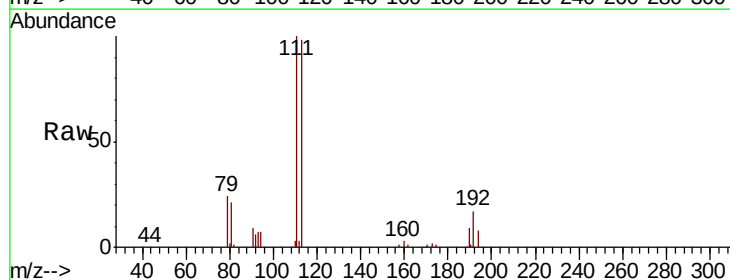


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

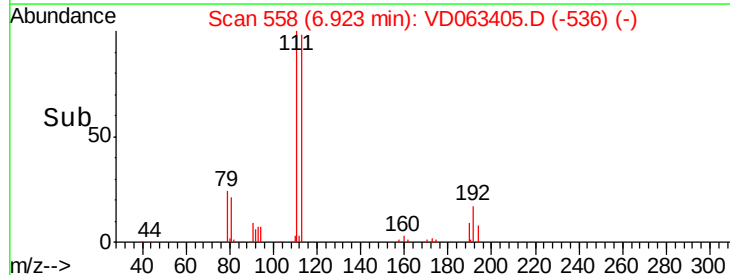
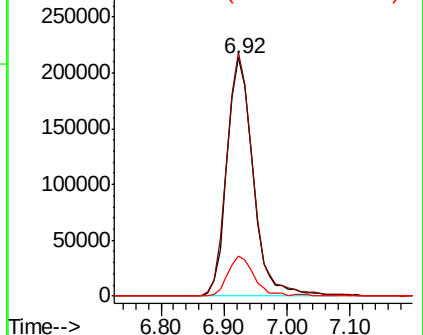


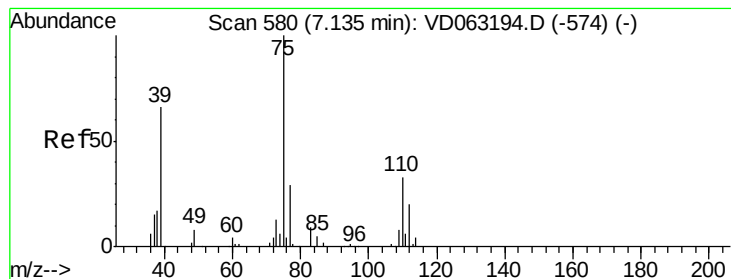
#35
 Dibromofluoromethane
 Concen: 45.786 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063405.D
 Acq: 6 Aug 2019 18:06

Tgt Ion:113 Resp: 615701
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.2 124.8
 192 17.0 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: 5.844 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063405.D

Acq: 6 Aug 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-B

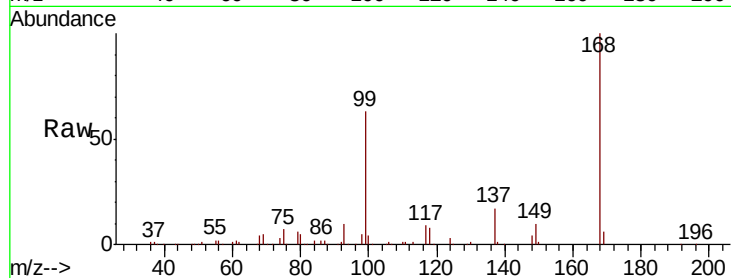
Tgt Ion: 75 Resp: 84004

Ion Ratio Lower Upper

75 100

110 10.4 16.1 48.2#

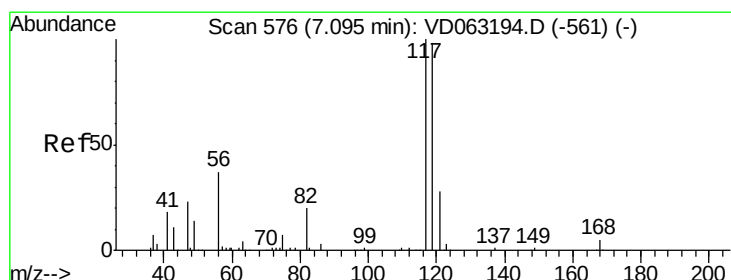
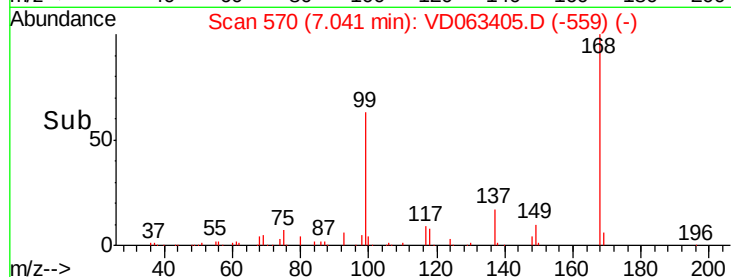
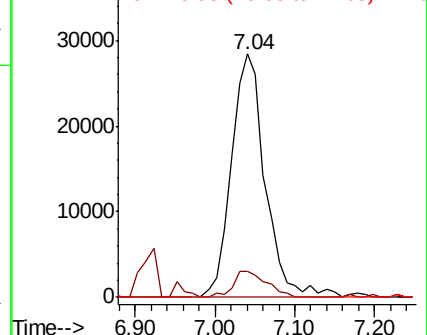
77 0.0 22.7 34.1#



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: 5.022 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD063405.D

Acq: 6 Aug 2019 18:06

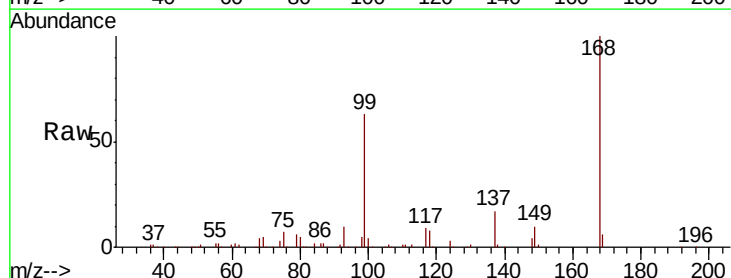
Tgt Ion: 117 Resp: 108677

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

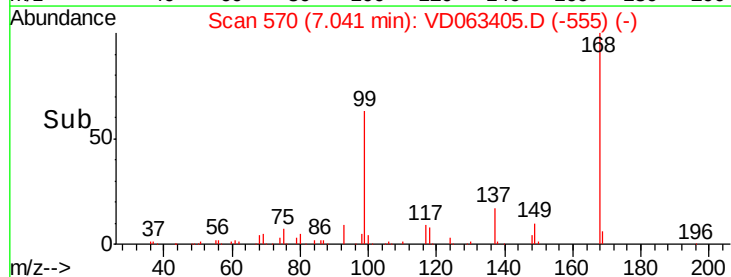
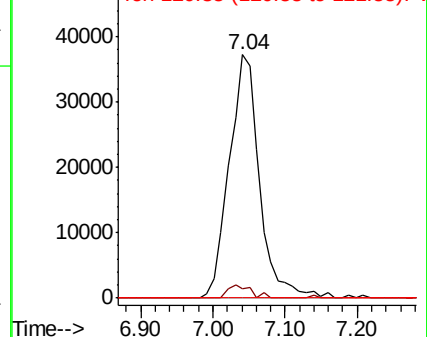
121 0.0 22.1 33.1#

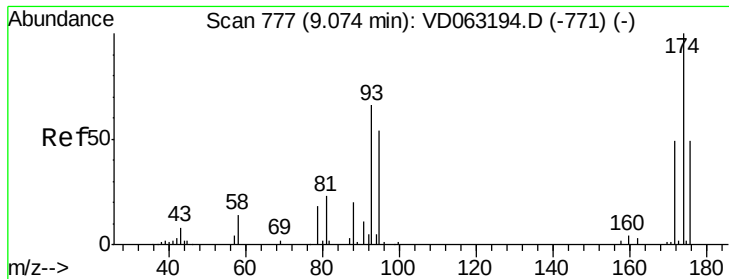


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#49

1,4-Dioxane

Concen: 1.029 ug/l

RT: 9.05 min Scan# 774

Delta R.T. -0.02 min

Lab File: VD063405.D

Acq: 6 Aug 2019 18:06

Instrument :

MSVOA_D

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SU-02-080219-B

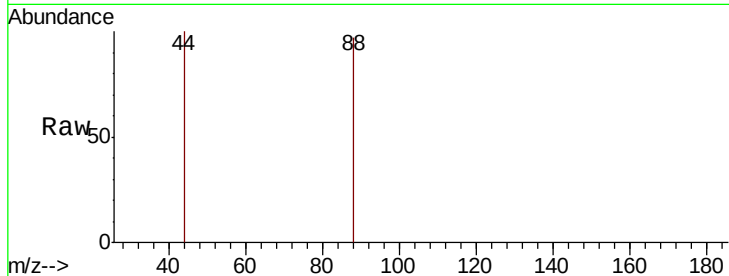
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

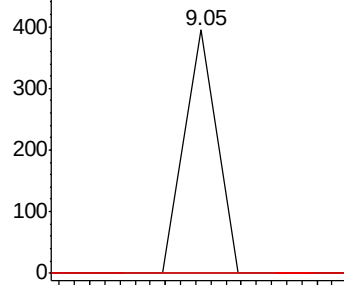
88 100

43 0.0 30.7 46.1#

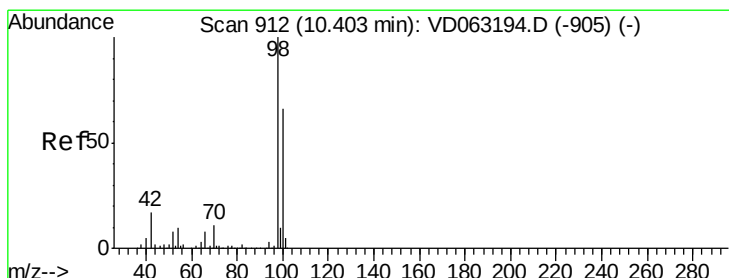
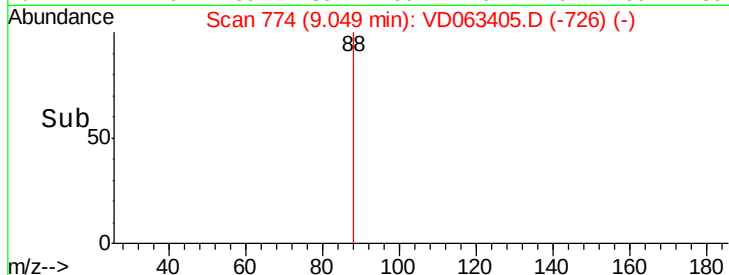
58 0.0 56.5 84.7#



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



Time-->



#50

Toluene-d8

Concen: 44.510 ug/l

RT: 10.41 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063405.D

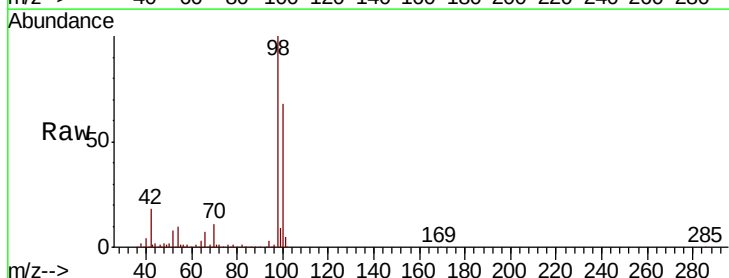
Acq: 6 Aug 2019 18:06

Tgt Ion: 98 Resp: 1339538

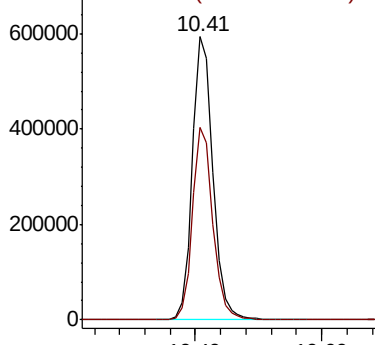
Ion Ratio Lower Upper

98 100

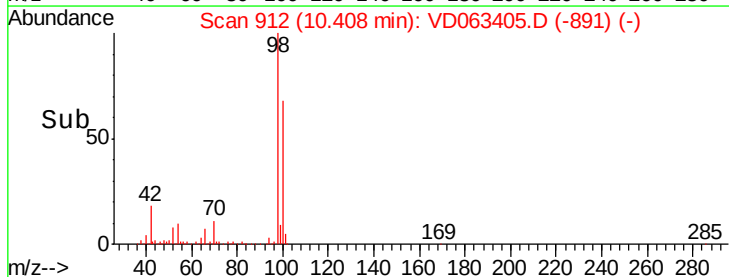
100 68.1 53.2 79.8

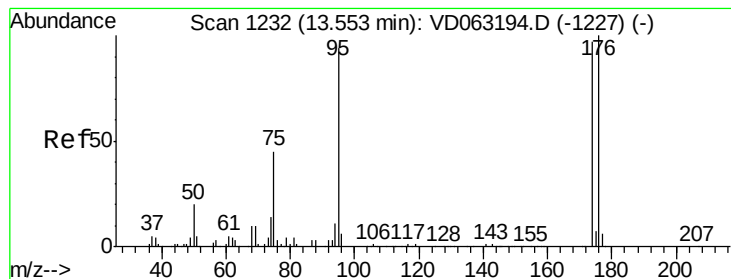


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: 38.945 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063405.D

Acq: 6 Aug 2019 18:06

Instrument :

MSVOA_D

ClientSampleId :

SU-02-080219-B

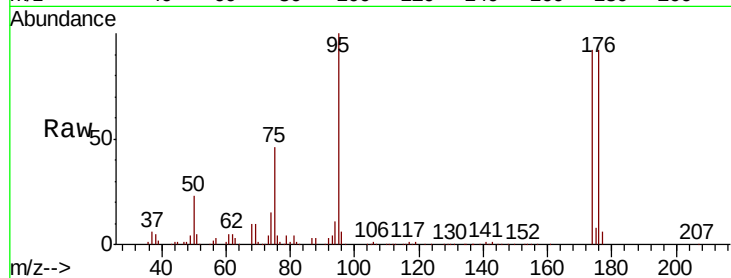
Tgt Ion: 95 Resp: 534104

Ion Ratio Lower Upper

95 100

174 92.1 0.0 205.4

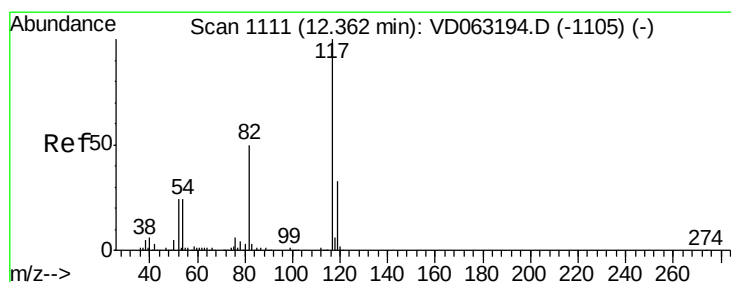
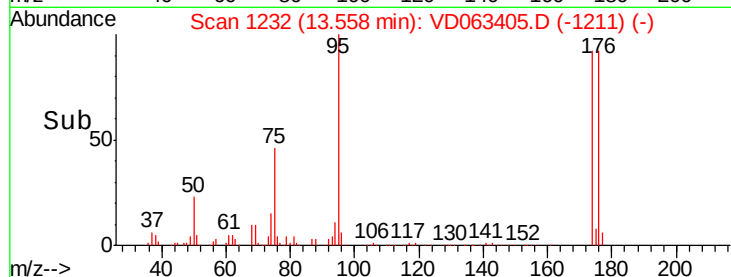
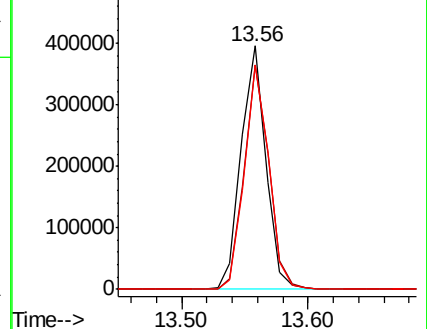
176 92.3 0.0 211.8



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: VD063405.D

Acq: 6 Aug 2019 18:06

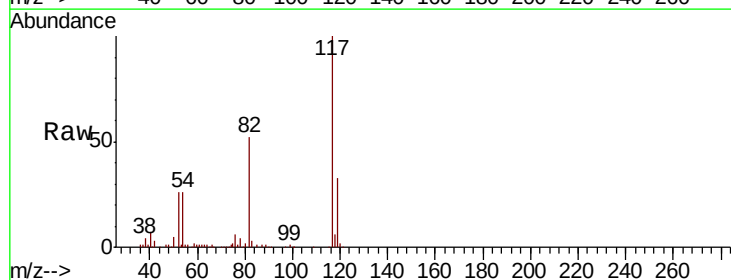
Tgt Ion: 117 Resp: 1334605

Ion Ratio Lower Upper

117 100

82 52.2 40.1 60.1

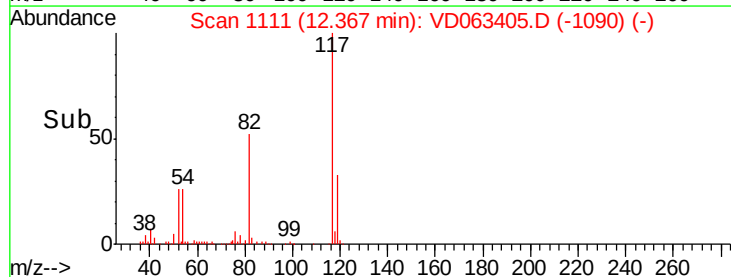
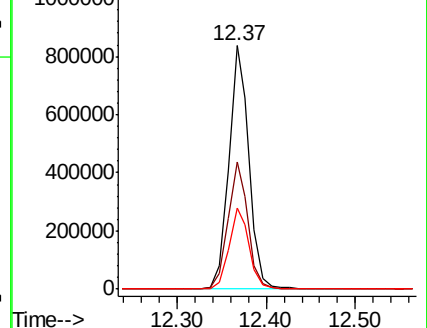
119 33.4 26.5 39.7

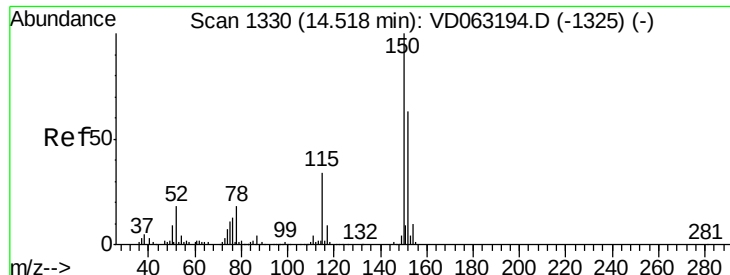


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

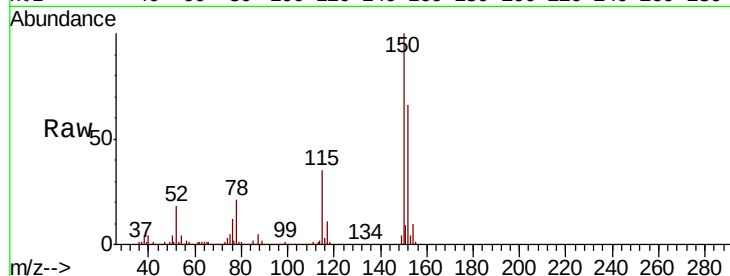




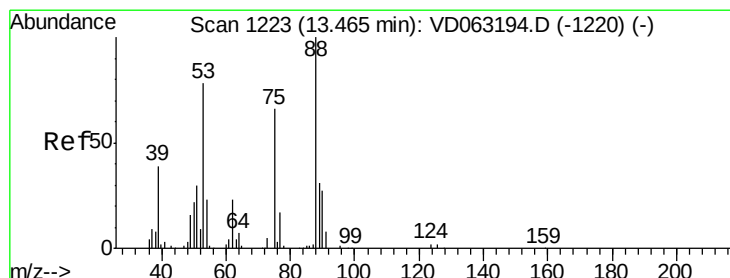
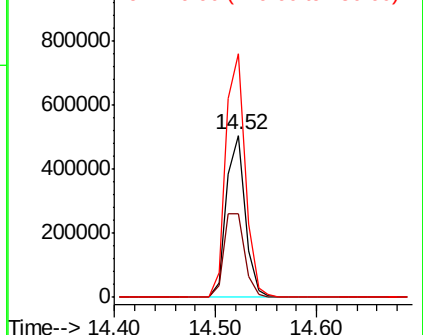
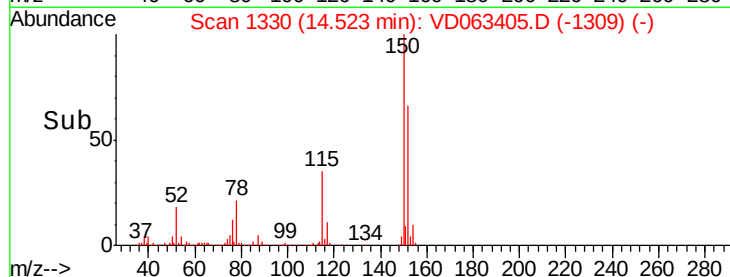
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VD063405.D
 Acq: 6 Aug 2019 18:06

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

Tgt Ion: 152 Resp: 662773
 Ion Ratio Lower Upper
 152 100
 115 51.9 27.5 82.4
 150 150.4 0.0 320.6

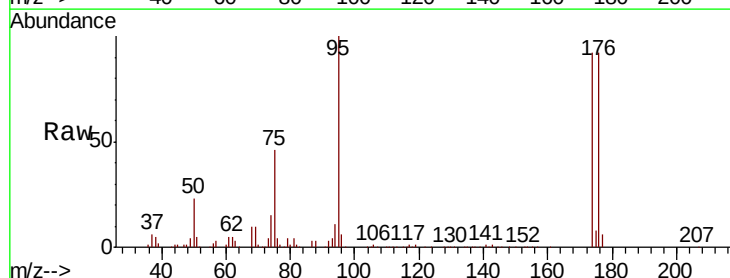


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.261 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD063405.D
 Acq: 6 Aug 2019 18:06

Tgt Ion: 75 Resp: 245948
 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

