

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063421.D
 Acq On : 7 Aug 2019 16:02
 Operator : JC/SY
 Sample : K4200-01
 Misc : 6.37g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14

Quant Time: Aug 08 08:06:18 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	7.06	168	1173046	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1602542	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	1373633	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	668547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	620708	47.69	ug/l	0.04
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	6.95	113	675489	49.37	ug/l	0.04
Spiked Amount			Recovery	=	98.74%	
50) Toluene-d8	10.42	98	1452851	47.45	ug/l	0.02
Spiked Amount			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	13.56	95	665138	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	

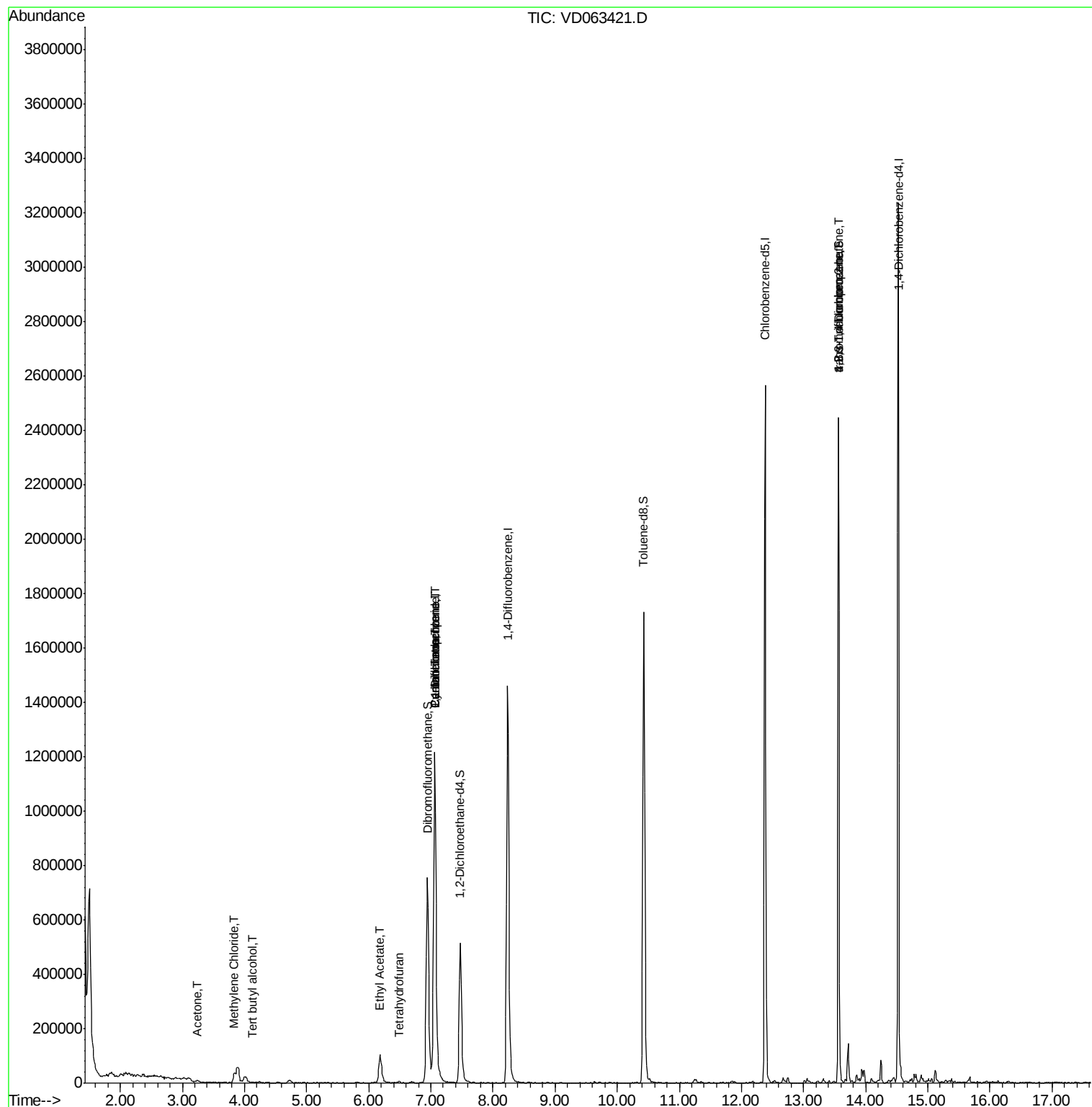
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.12	59	1586	2.777	ug/l #	69
16) Acetone	3.24	43	14865	5.862	ug/l	100
20) Methylene Chloride	3.84	84	20753	2.024	ug/l #	92
29) Tetrahydrofuran	6.49	42	2624	2.178	ug/l #	85
31) Cyclohexane	7.05	56	25790	2.224	ug/l #	26
36) 1,1-Dichloropropene	7.06	75	92636	6.334	ug/l #	51
37) Ethyl Acetate	6.19	43	8912	1.356	ug/l #	1
38) Carbon Tetrachloride	7.06	117	118853	5.398	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	246837	30.739	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	307283	137.808	ug/l #	3

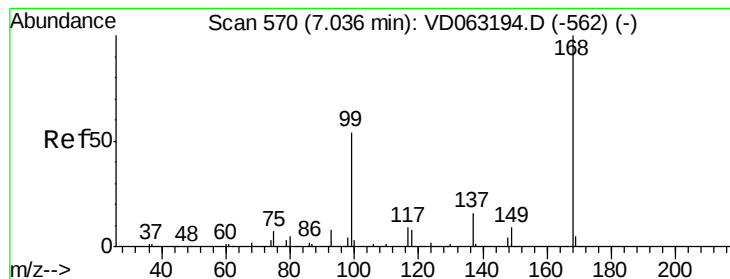
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
Data File : VD063421.D
Acq On : 7 Aug 2019 16:02
Operator : JC/SY
Sample : K4200-01
Misc : 6.37g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-14

Quant Time: Aug 08 08:06:18 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: 7.06 min Scan# 573

Delta R.T. 0.03 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

Instrument :

MSVOA_D

ClientSampleId :

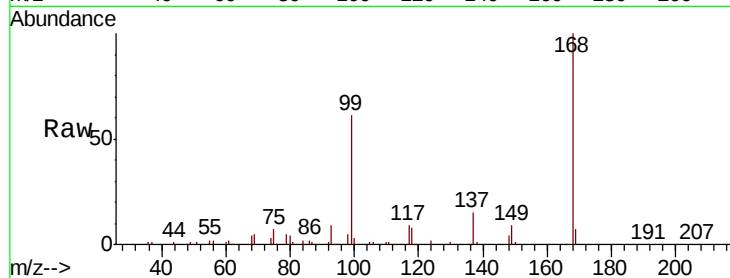
TP-14

Tgt Ion:168 Resp: 1173046

Ion Ratio Lower Upper

168 100

99 60.5 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

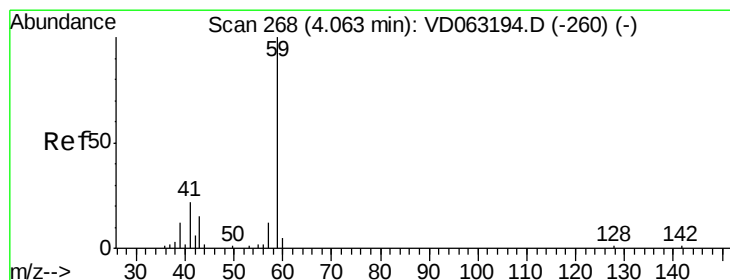
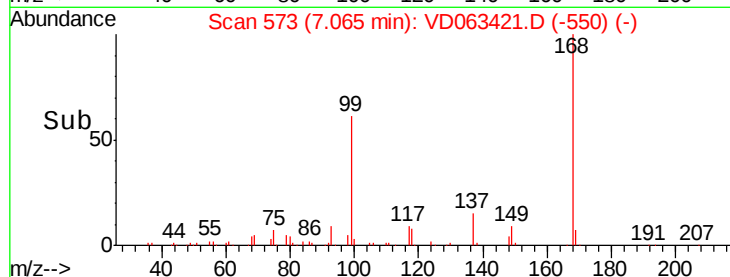
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 2.777 ug/l

RT: 4.12 min Scan# 274

Delta R.T. 0.06 min

Lab File: VD063421.D

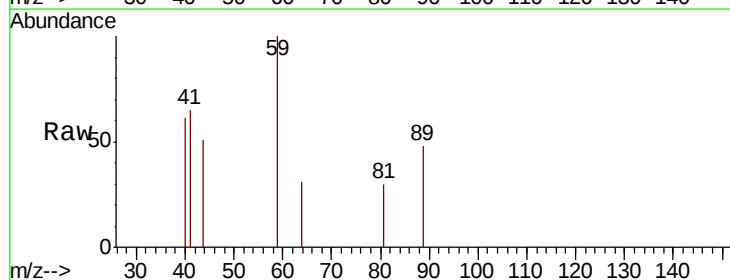
Acq: 7 Aug 2019 16:02

Tgt Ion: 59 Resp: 1586

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

4.12

1200

1000

800

600

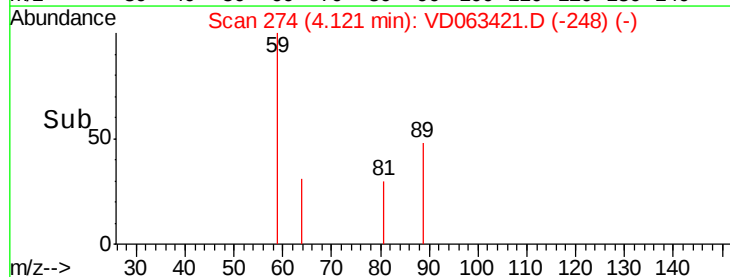
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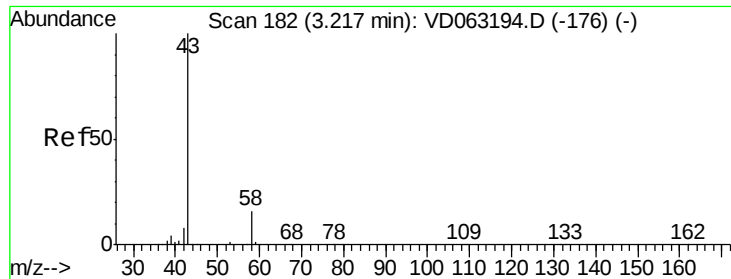
200

0

Time-->

4.10 4.12 4.14 4.16





#16

Acetone

Concen: 5.862 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

Instrument :

MSVOA_D

ClientSampleId :

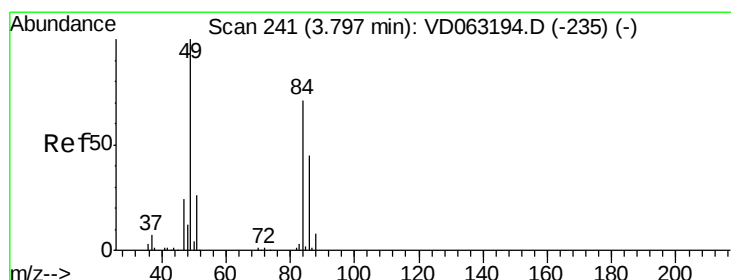
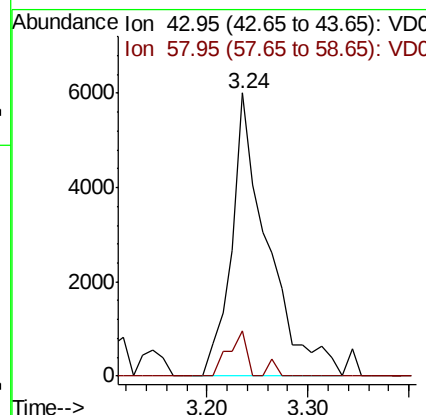
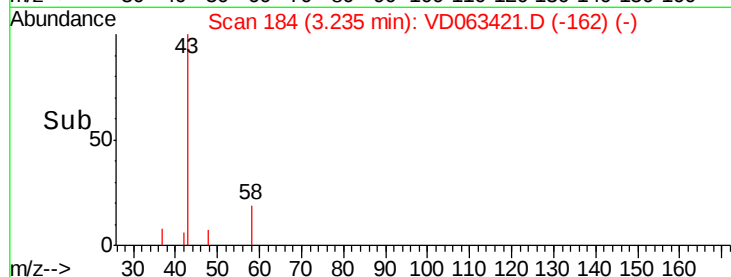
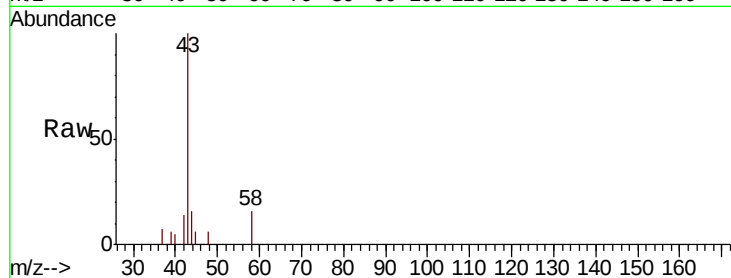
TP-14

Tgt Ion: 43 Resp: 14865

Ion Ratio Lower Upper

43 100

58 16.2 13.0 19.4



#20

Methylene Chloride

Concen: 2.024 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

Tgt Ion: 84 Resp: 20753

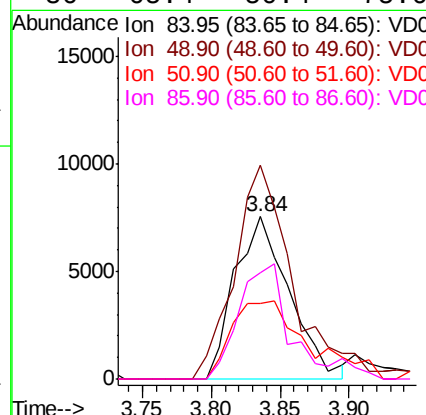
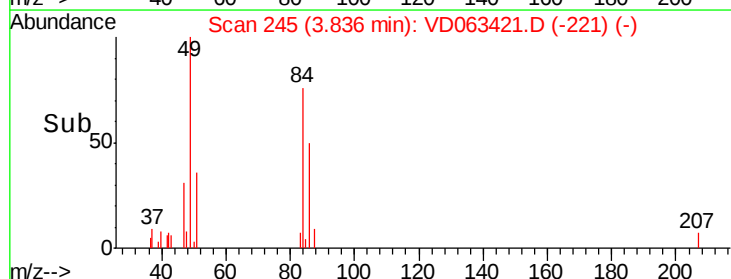
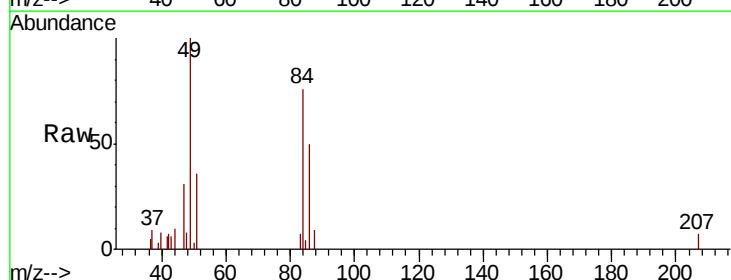
Ion Ratio Lower Upper

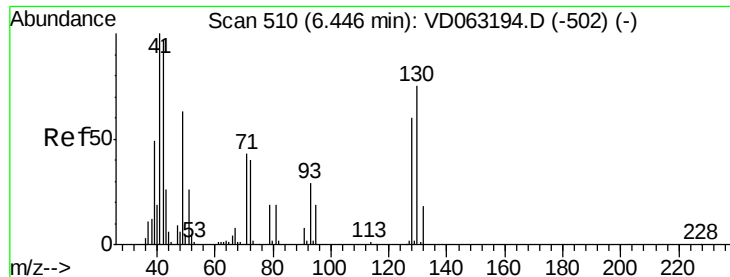
84 100

49 131.9 112.5 168.7

51 46.8 29.6 44.4#

86 65.4 50.4 75.6





#29

Tetrahydrofuran

Concen: 2.178 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.05 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

Instrument :

MSVOA_D

ClientSampleId :

TP-14

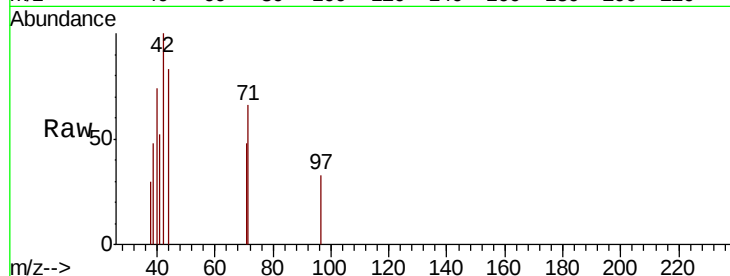
Tgt Ion: 42 Resp: 2624

Ion Ratio Lower Upper

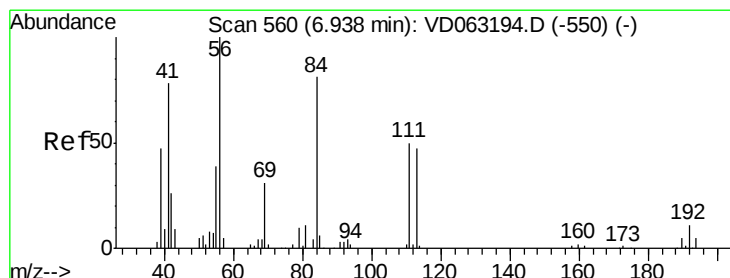
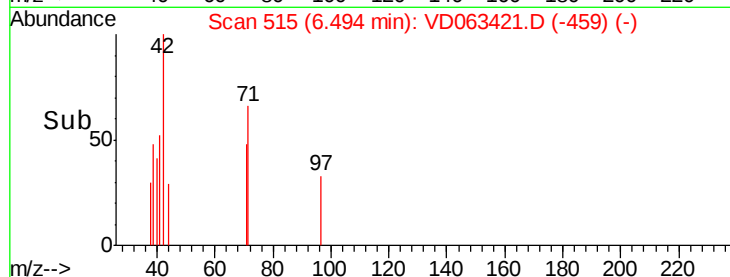
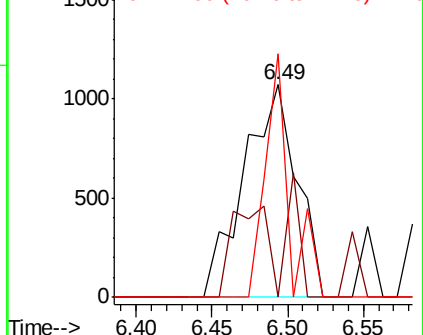
42 100

72 29.0 33.4 50.2#

71 51.2 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



#31

Cyclohexane

Concen: 2.224 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

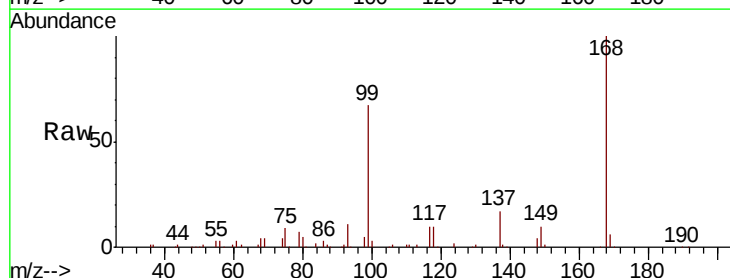
Tgt Ion: 56 Resp: 25790

Ion Ratio Lower Upper

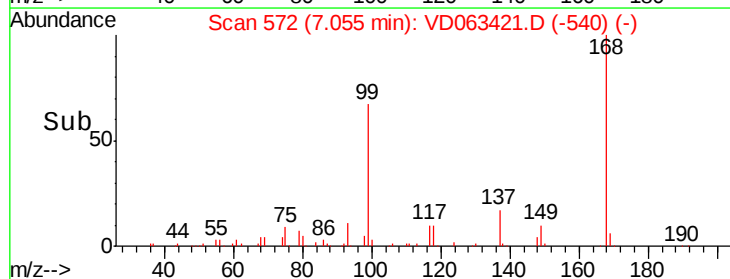
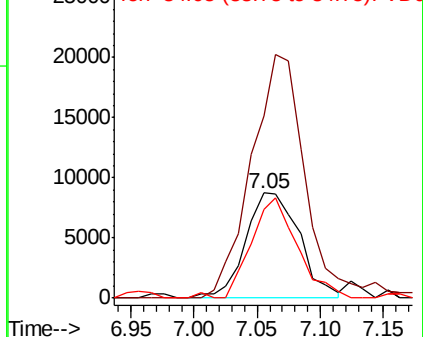
56 100

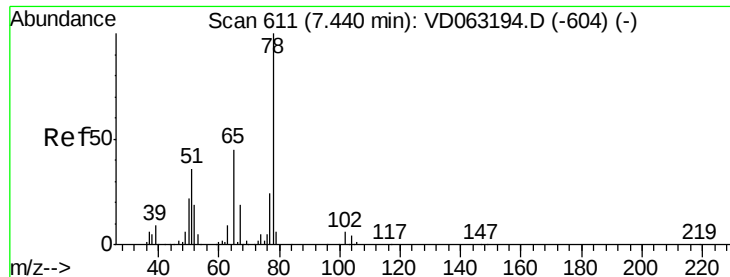
69 173.7 24.5 36.7#

84 83.8 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: 47.688 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.04 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

Instrument :

MSVOA_D

ClientSampleId :

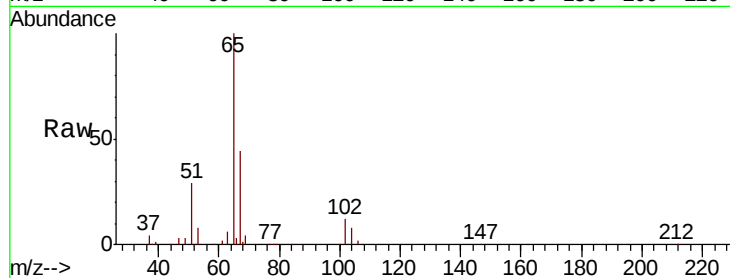
TP-14

Tgt Ion: 65 Resp: 620708

Ion Ratio Lower Upper

65 100

67 44.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

250000

200000

150000

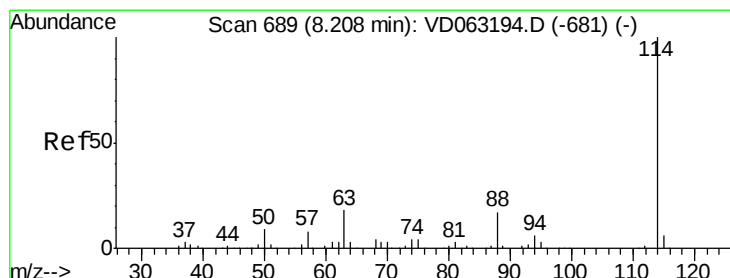
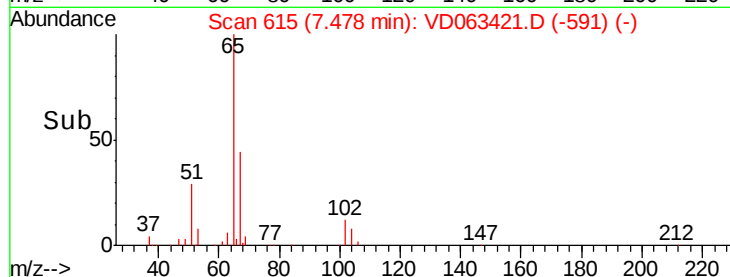
100000

50000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

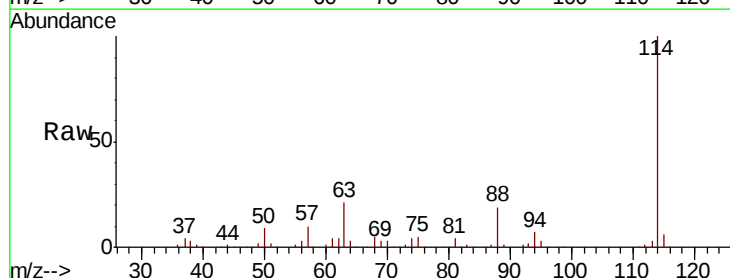
Tgt Ion: 114 Resp: 1602542

Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.2

88 18.6 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

8.24

800000

600000

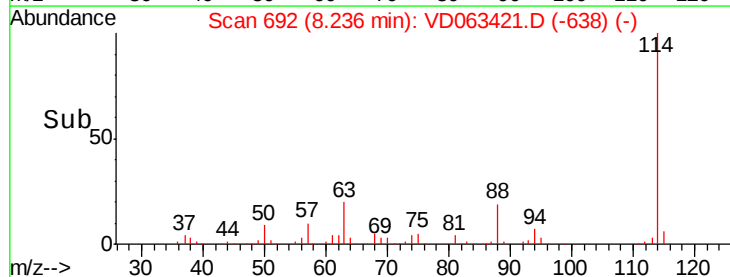
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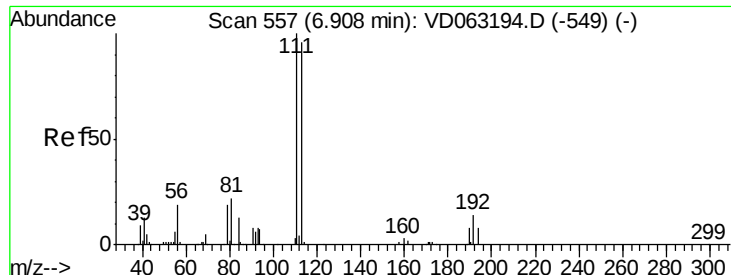
200000

0

Time-->

8.20 8.40

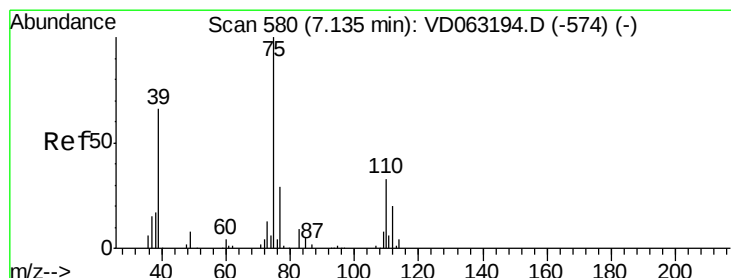
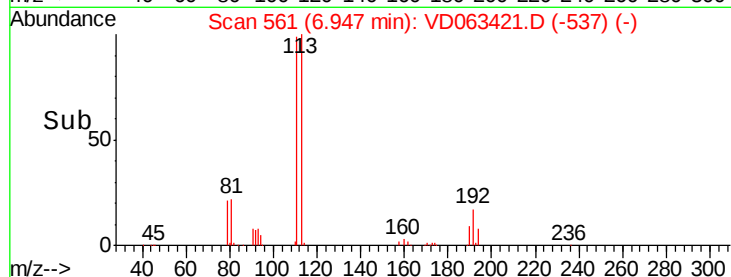
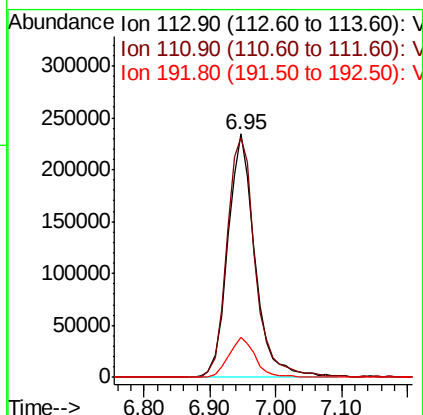
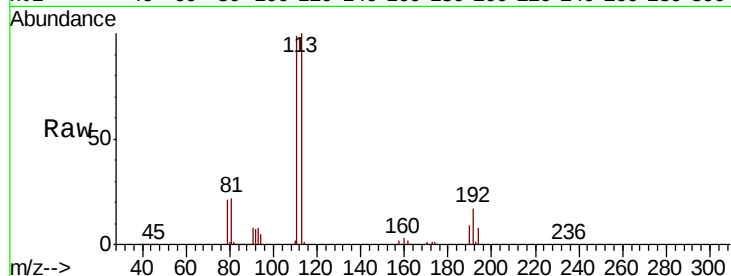




#35
 Dibromofluoromethane
 Concen: 49.370 ug/l
 RT: 6.95 min Scan# 561
 Delta R.T. 0.04 min
 Lab File: VD063421.D
 Acq: 7 Aug 2019 16:02

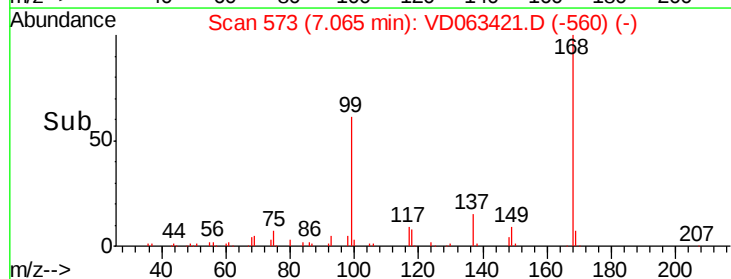
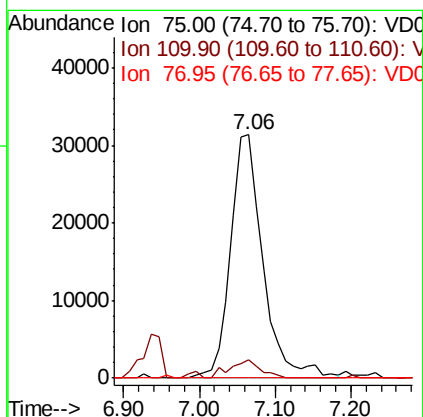
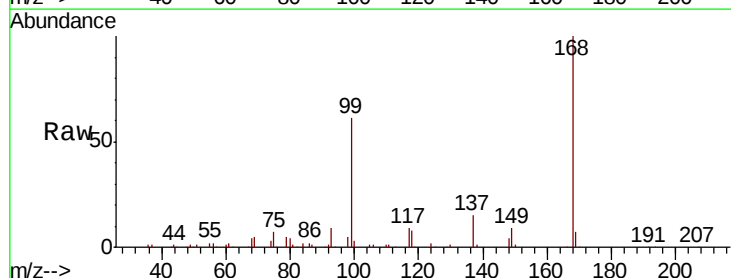
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-14

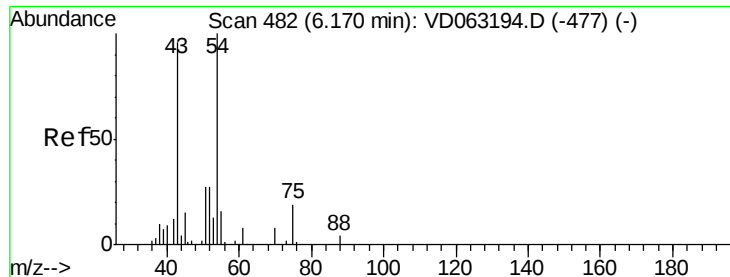
Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.7	83.2	124.8
192	16.5	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.334 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.07 min
 Lab File: VD063421.D
 Acq: 7 Aug 2019 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.1	48.2#
77	0.0	22.7	34.1#





#37

Ethyl Acetate

Concen: 1.356 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.02 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

Instrument :

MSVOA_D

ClientSampleId :

TP-14

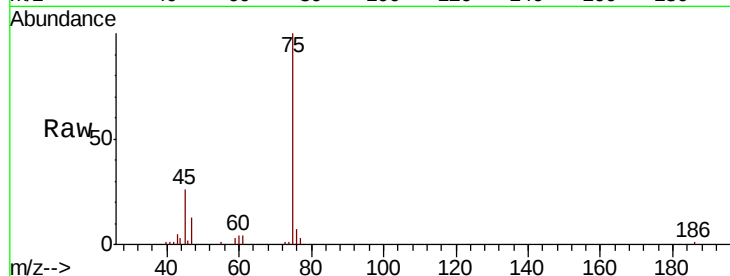
Tgt Ion: 43 Resp: 8912

Ion Ratio Lower Upper

43 100

61 69.6 11.3 16.9#

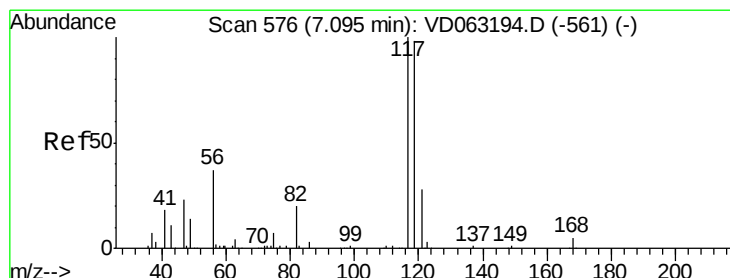
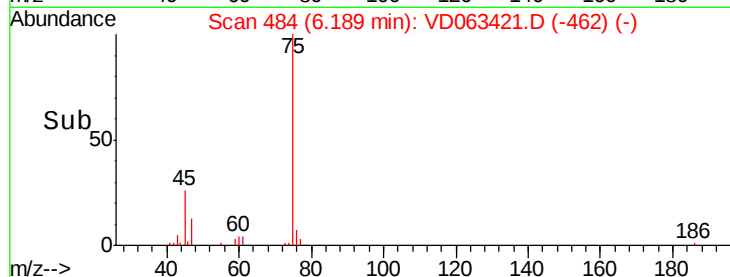
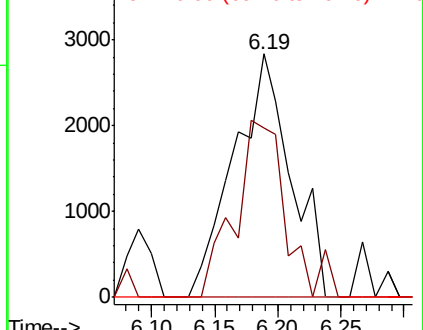
70 0.0 5.1 7.7#



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: 5.398 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

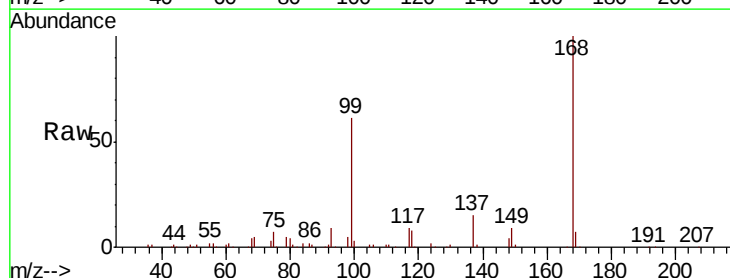
Tgt Ion: 117 Resp: 118853

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

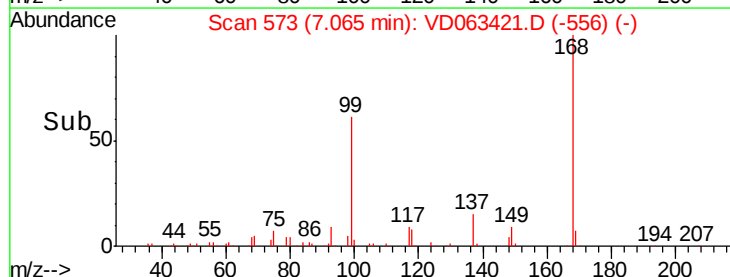
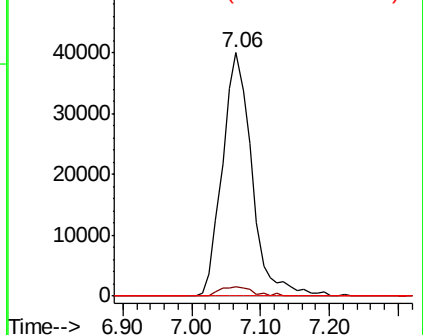
121 0.0 22.1 33.1#

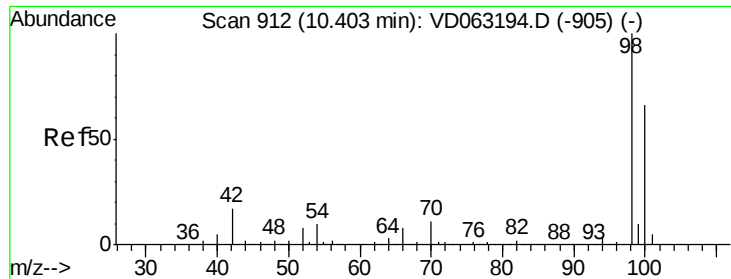


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

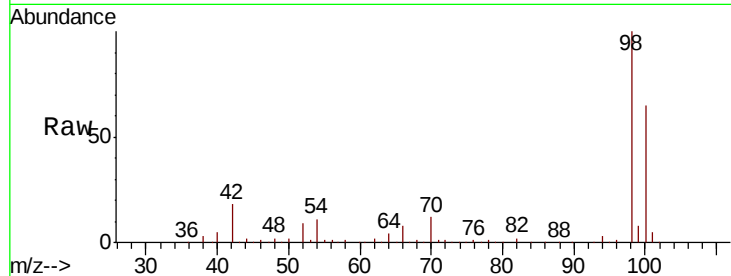




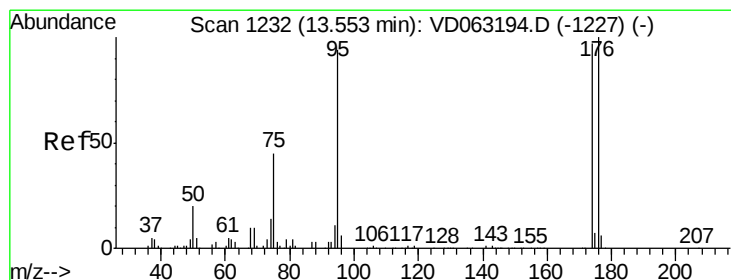
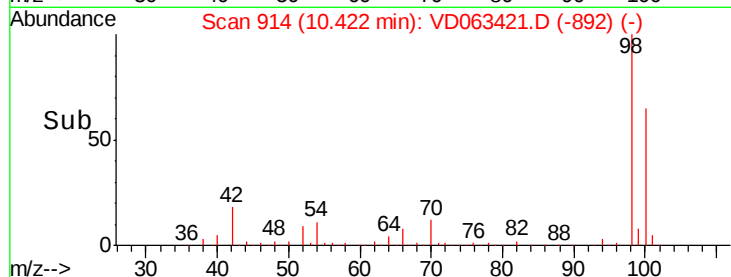
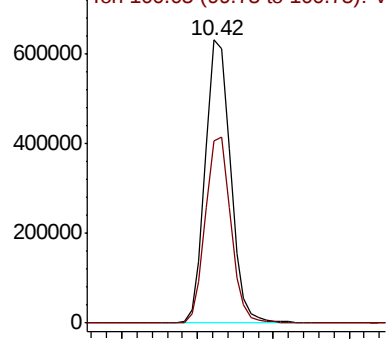
#50
Toluene-d8
Concen: 47.446 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063421.D
Acq: 7 Aug 2019 16:02

Instrument :
MSVOA_D
ClientSampleId :
TP-14

Tgt Ion: 98 Resp: 1452851
Ion Ratio Lower Upper
98 100
100 64.6 53.2 79.8

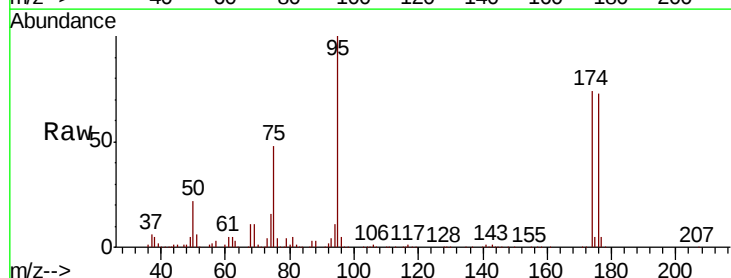


Abundance Ion 98.05 (97.75 to 98.75): VD063194.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD063194.D (-905) (-)

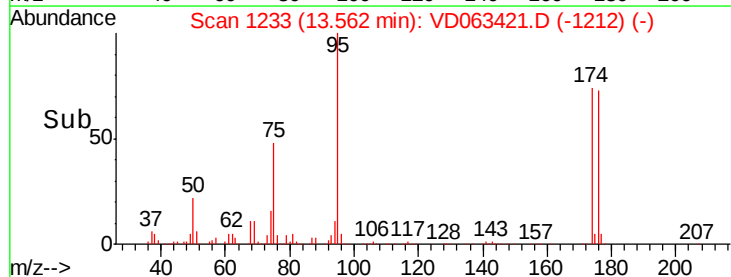
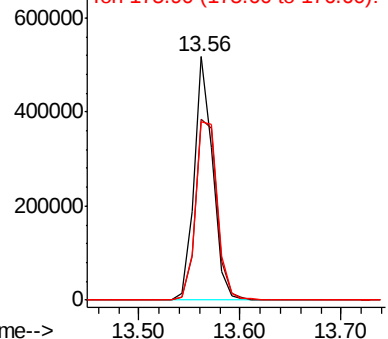


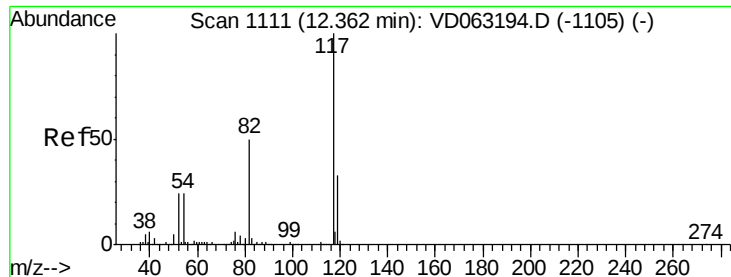
#62
4-Bromofluorobenzene
Concen: 47.667 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063421.D
Acq: 7 Aug 2019 16:02

Tgt Ion: 95 Resp: 665138
Ion Ratio Lower Upper
95 100
174 74.5 0.0 205.4
176 73.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VD063194.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD063194.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD063194.D (-1227) (-)

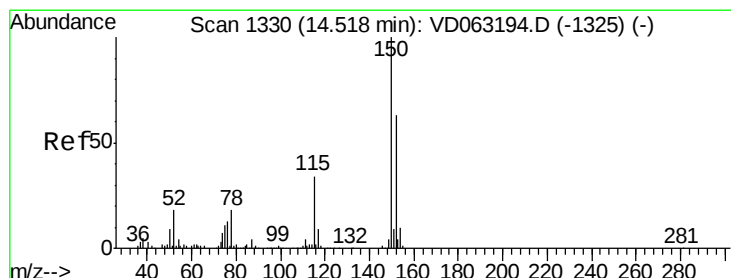
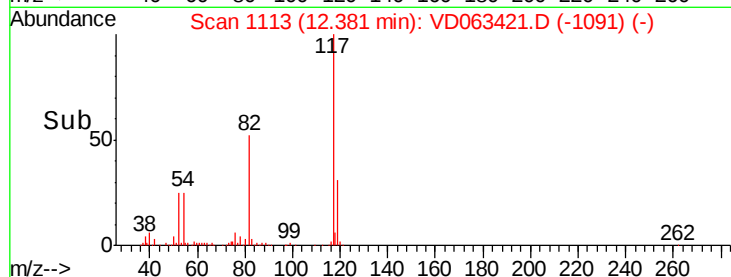
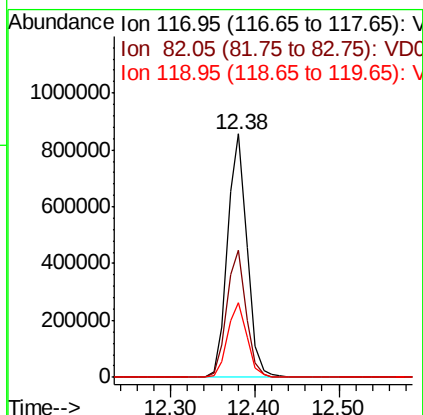
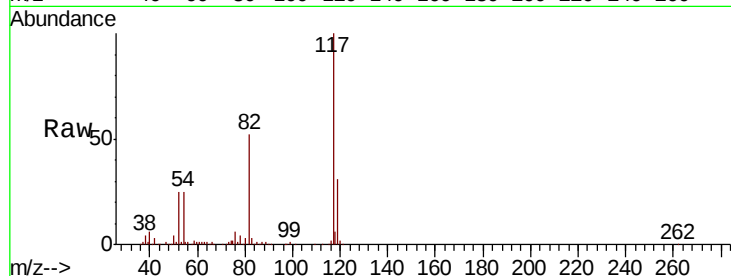




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD063421.D
Acq: 7 Aug 2019 16:02

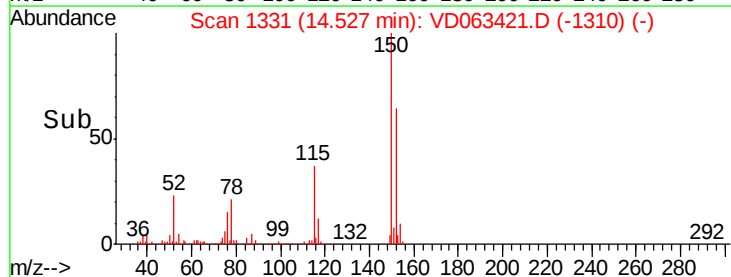
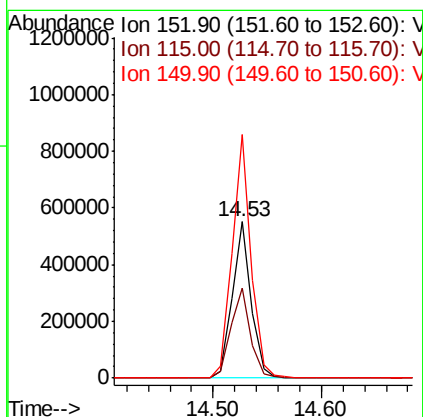
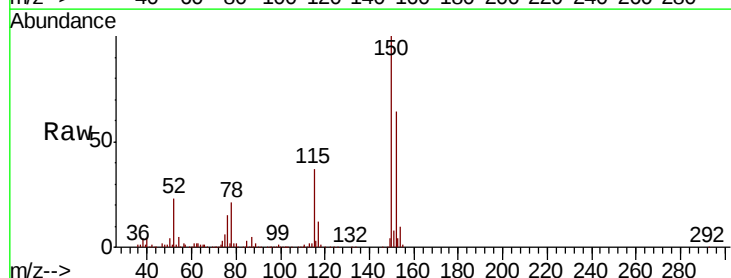
Instrument :
MSVOA_D
ClientSampled :
TP-14

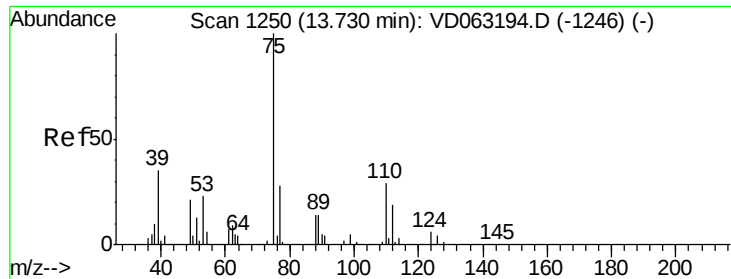
Tgt Ion:117 Resp: 1373633
Ion Ratio Lower Upper
117 100
82 52.1 40.1 60.1
119 30.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063421.D
Acq: 7 Aug 2019 16:02

Tgt Ion:152 Resp: 668547
Ion Ratio Lower Upper
152 100
115 58.0 27.5 82.4
150 156.0 0.0 320.6





#76

1,2,3-Trichloropropane

Concen: 30.739 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

Instrument :

MSVOA_D

ClientSampleID :

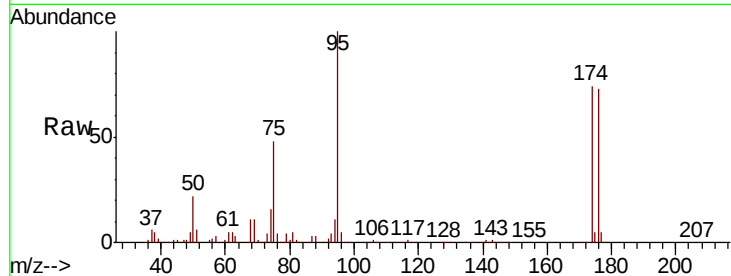
TP-14

Tgt Ion: 75 Resp: 246837

Ion Ratio Lower Upper

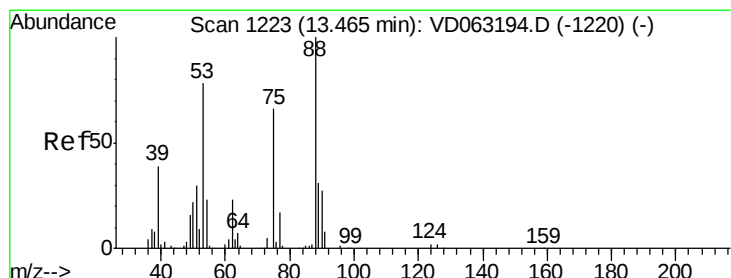
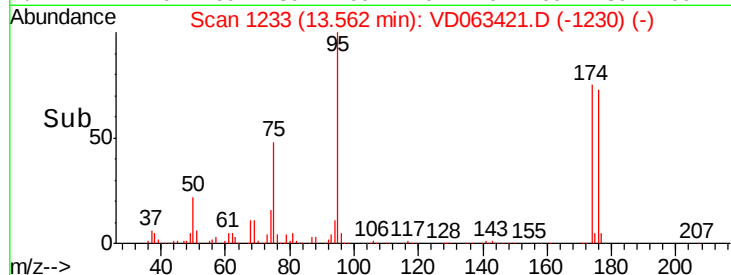
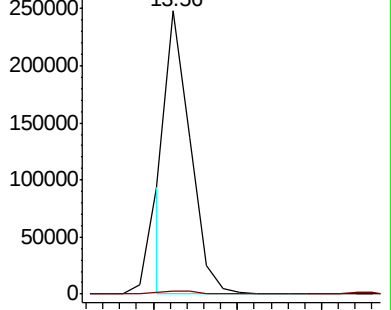
75 100

77 0.9 16.0 48.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 137.808 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063421.D

Acq: 7 Aug 2019 16:02

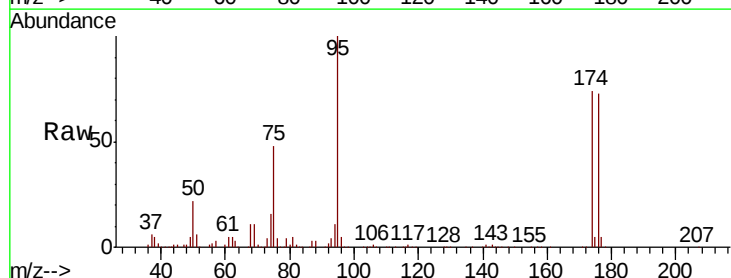
Tgt Ion: 75 Resp: 307283

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

