

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062304.D
 Acq On : 13 May 2019 14:58
 Operator : FY/SY
 Sample : K2734-01
 Misc : 6.03g/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P021-SS004-1218-01

Quant Time: May 14 05:09:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	592275	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	843558	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	647925	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	322024	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	285063	51.79	ug/l	0.05
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	6.94	113	326603	46.66	ug/l	0.05
Spiked Amount			Recovery	=	93.32%	
50) Toluene-d8	10.43	98	708131	41.96	ug/l	0.03
Spiked Amount			Recovery	=	83.92%	
62) 4-Bromofluorobenzene	13.56	95	294078	43.40	ug/l	0.02
Spiked Amount			Recovery	=	86.80%	

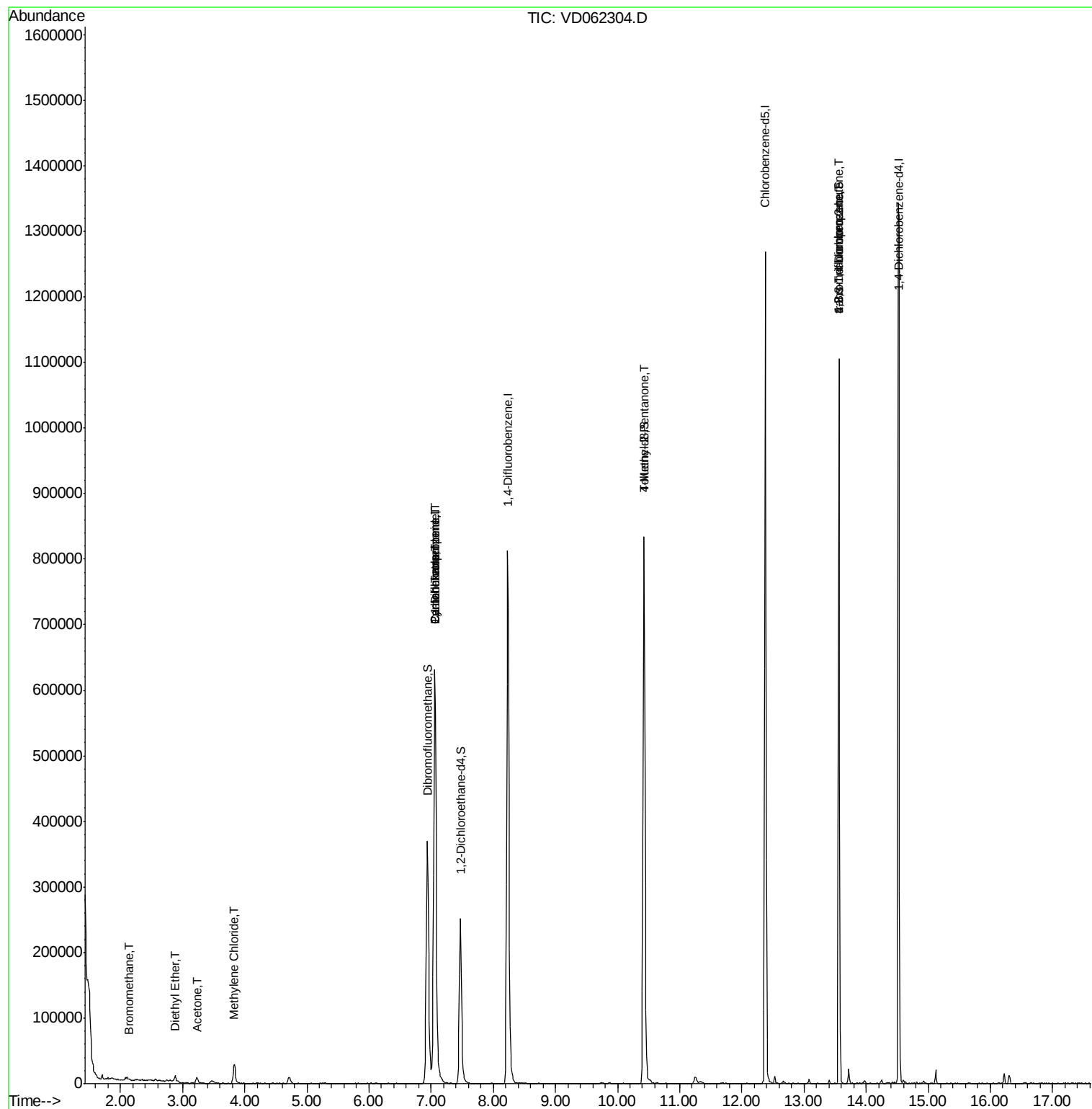
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	1482	1.572	ug/l #	12
8) Diethyl Ether	2.88	74	2514	1.667	ug/l	98
16) Acetone	3.23	43	19741	17.103	ug/l #	78
20) Methylene Chloride	3.83	84	19140	3.971	ug/l	95
31) Cyclohexane	7.06	56	13655	2.365	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	50228	7.262	ug/l #	45
38) Carbon Tetrachloride	7.06	117	63077	6.589	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	4321	1.616	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	130024	33.975	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	137859	127.602	ug/l #	16

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

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Quant Time: May 14 05:09:55 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

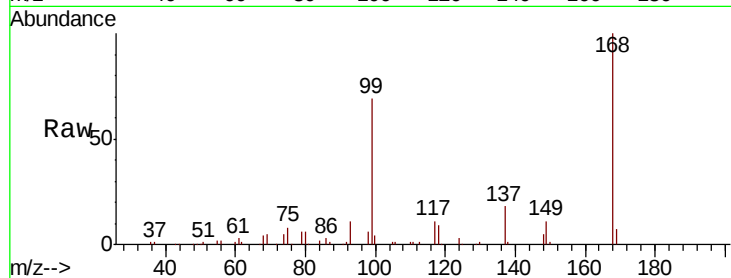
P021-SS004-1218-01

Tot Ion:168 Resp: 592275

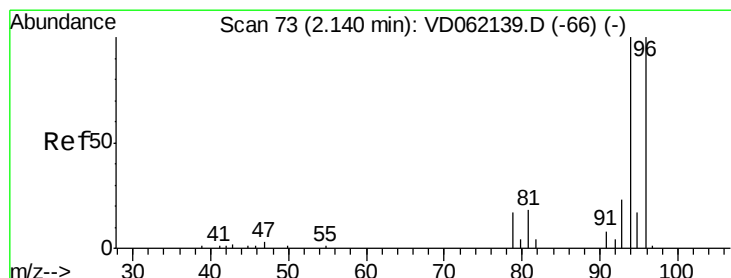
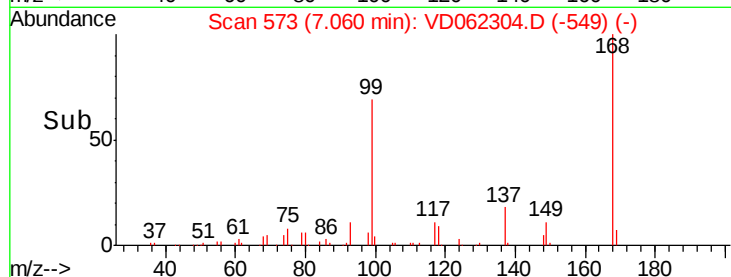
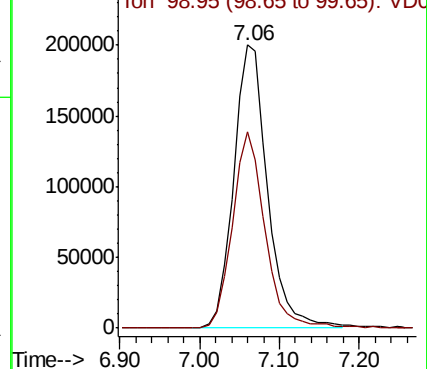
Ion Ratio Lower Upper

168 100

99 69.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V



#5

Bromomethane

Concen: 1.572 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

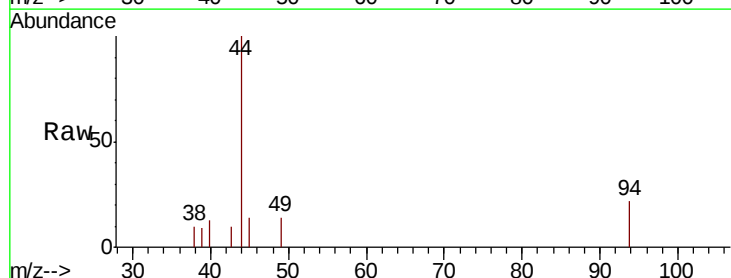
Tgt Ion: 94 Resp: 1482

Ion Ratio Lower Upper

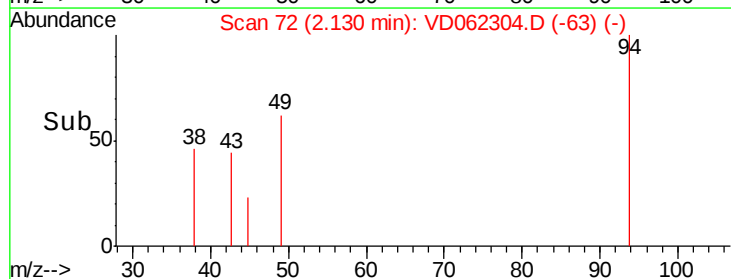
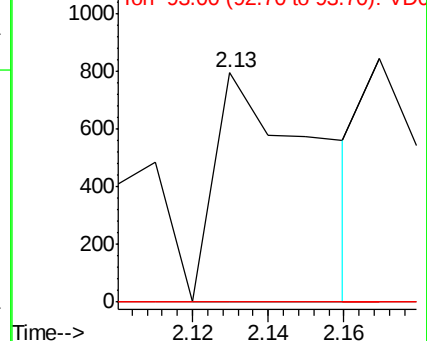
94 100

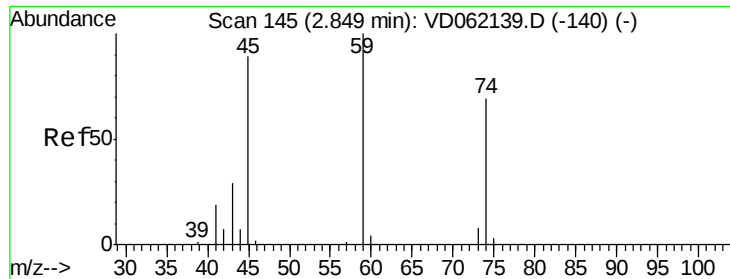
96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): V





#8

Diethyl Ether

Concen: 1.667 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.03 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

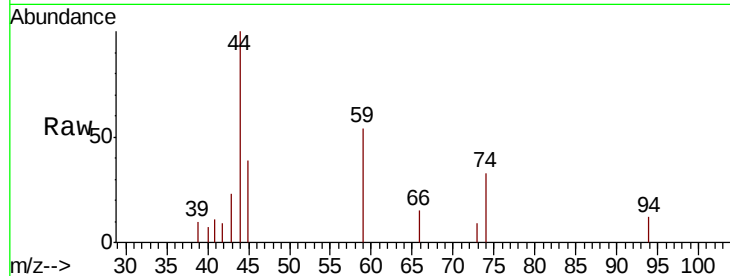
P021-SS004-1218-01

Tot Ion: 74 Resp: 2514

Ion Ratio Lower Upper

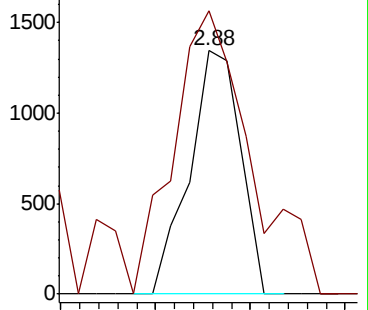
74 100

45 116.3 56.9 170.7

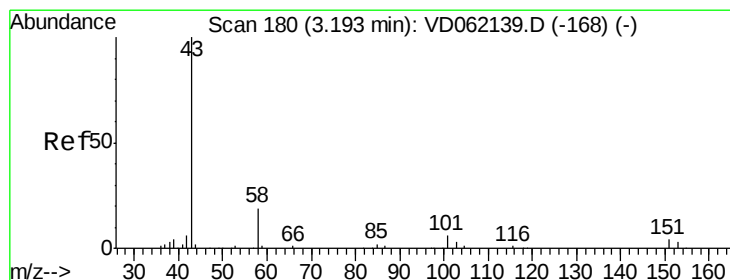
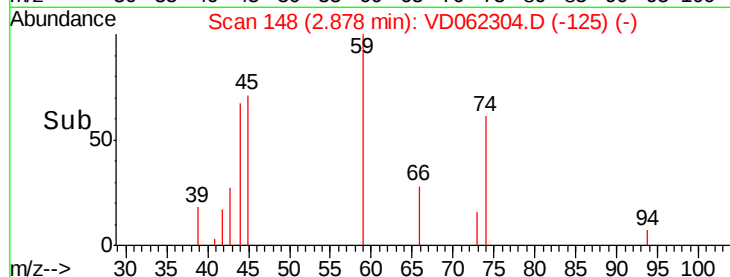


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->



#16

Acetone

Concen: 17.103 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062304.D

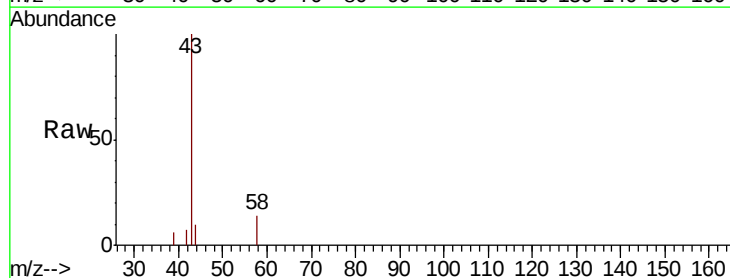
Acq: 13 May 2019 14:58

Tgt Ion: 43 Resp: 19741

Ion Ratio Lower Upper

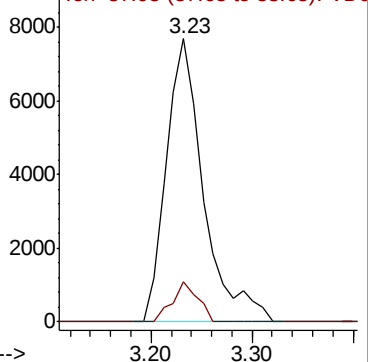
43 100

58 14.1 19.9 29.9#

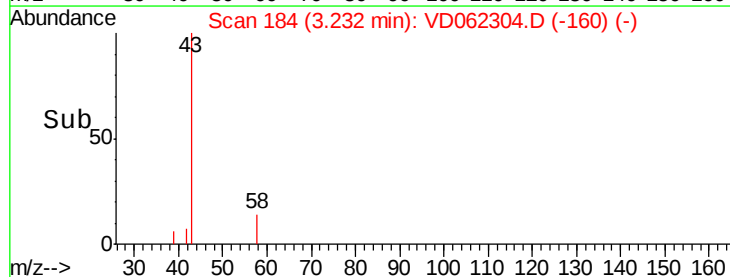


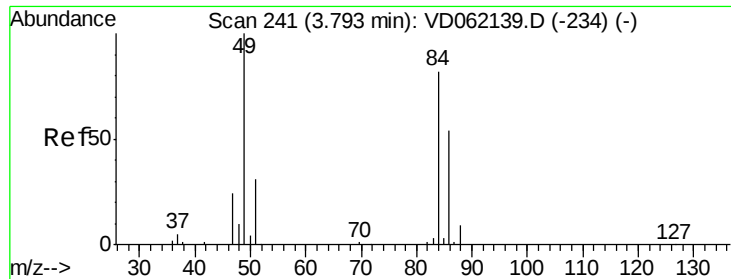
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->

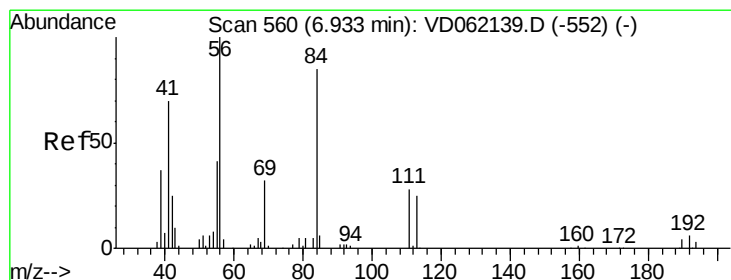
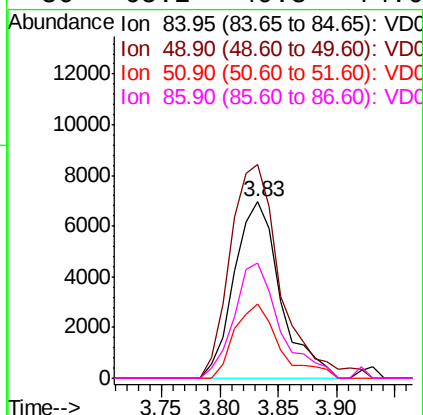
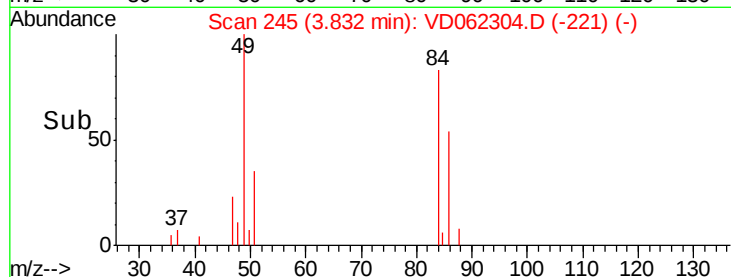
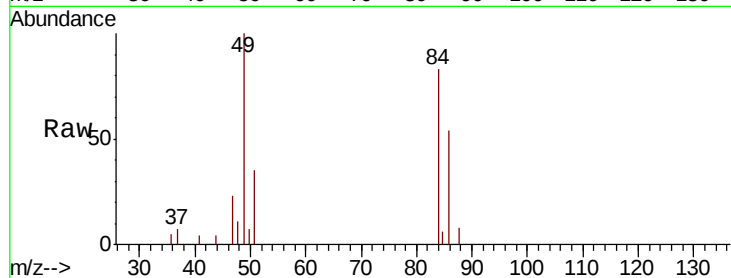




#20
Methylene Chloride
Concen: 3.971 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062304.D
Acq: 13 May 2019 14:58

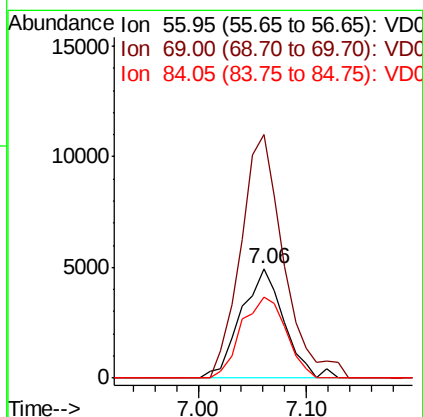
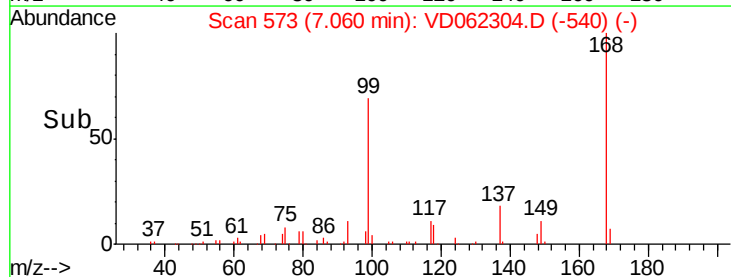
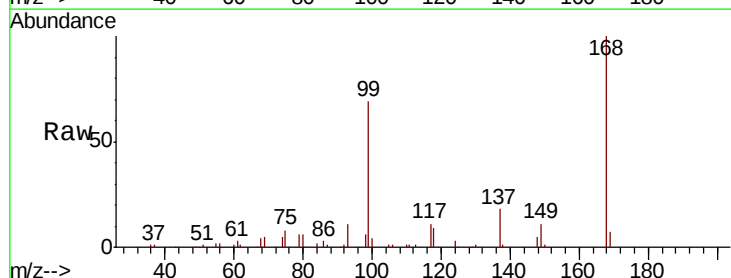
Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-1218-01

Tot Ion:	84	Resp:	19140
Ion	Ratio	Lower	Upper
84	100		
49	121.0	94.0	141.0
51	42.2	29.0	43.4
86	65.2	49.8	74.6



#31
Cyclohexane
Concen: 2.365 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062304.D
Acq: 13 May 2019 14:58

Tgt Ion:	56	Resp:	13655
Ion	Ratio	Lower	Upper
56	100		
69	222.1	25.8	38.6#
84	73.4	72.2	108.4





#33

1,2-Dichloroethane-d4

Concen: 51.791 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.05 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

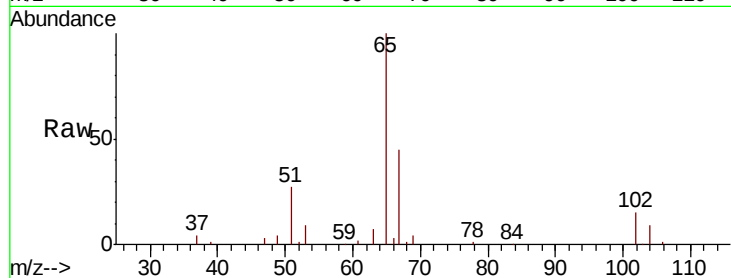
P021-SS004-1218-01

Tot Ion: 65 Resp: 285063

Ion Ratio Lower Upper

65 100

67 44.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

100000

80000

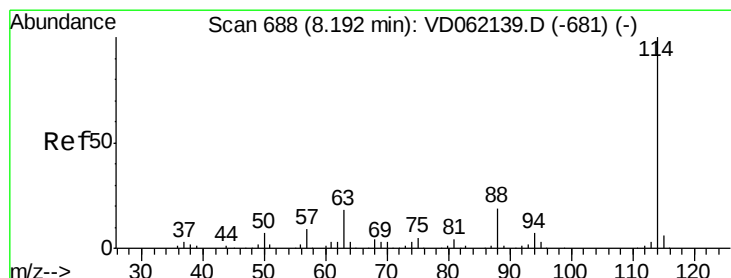
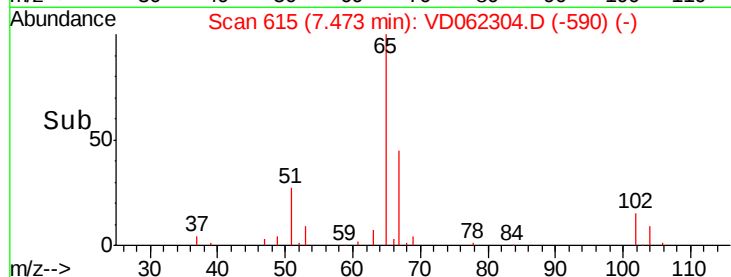
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

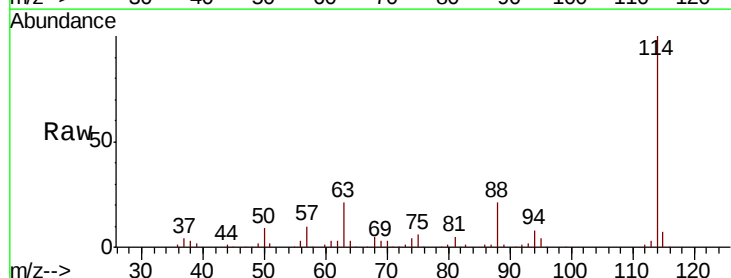
Tgt Ion: 114 Resp: 843558

Ion Ratio Lower Upper

114 100

63 20.9 0.0 32.4

88 21.0 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

400000

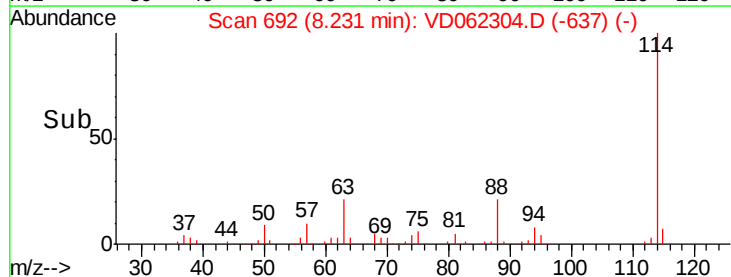
300000

200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 46.664 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

P021-SS004-1218-01

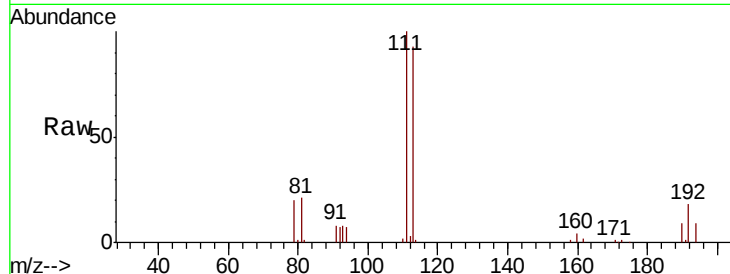
Tot Ion:113 Resp: 326603

Ion Ratio Lower Upper

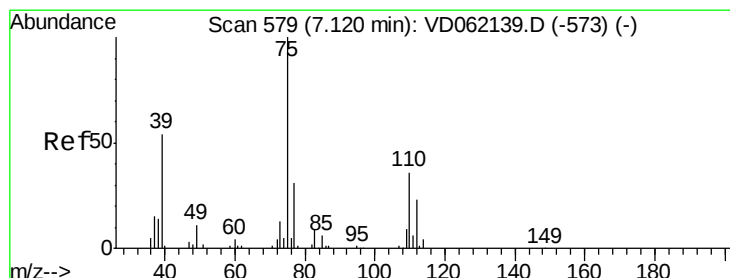
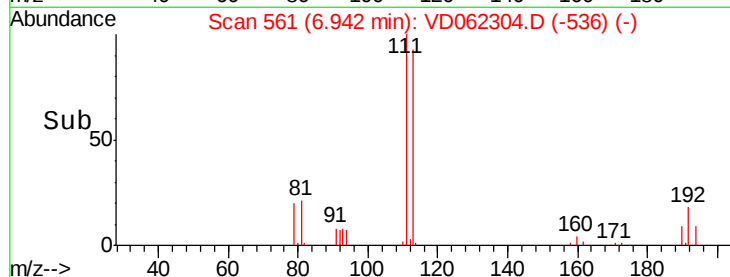
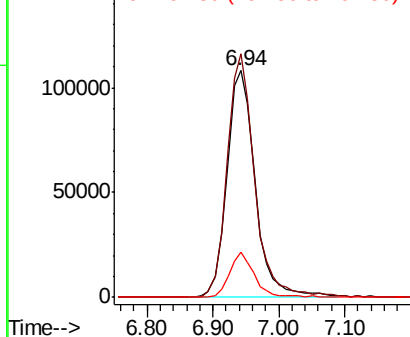
113 100

111 107.5 78.5 117.7

192 19.9 13.0 19.4#



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: 7.262 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

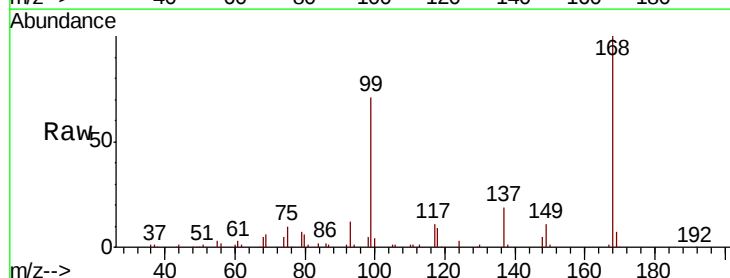
Tgt Ion: 75 Resp: 50228

Ion Ratio Lower Upper

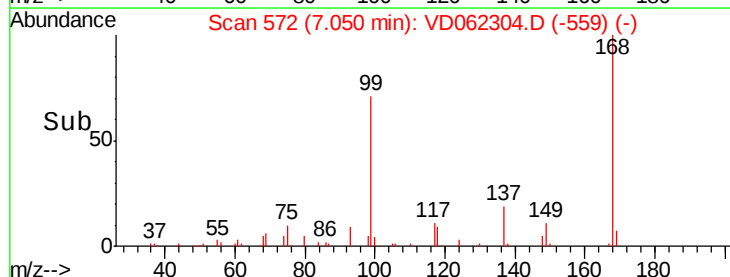
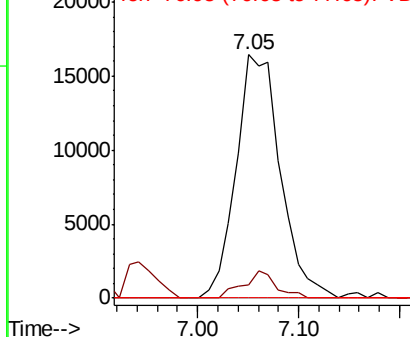
75 100

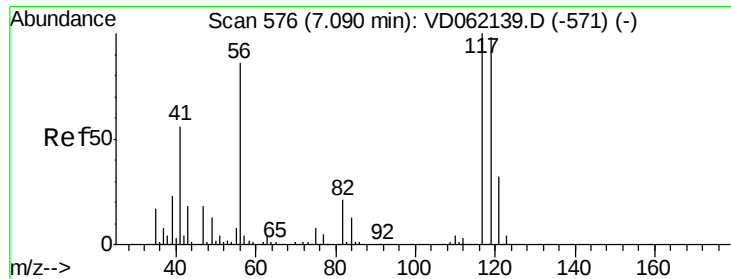
110 5.6 19.1 57.1#

77 0.0 25.6 38.4#



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

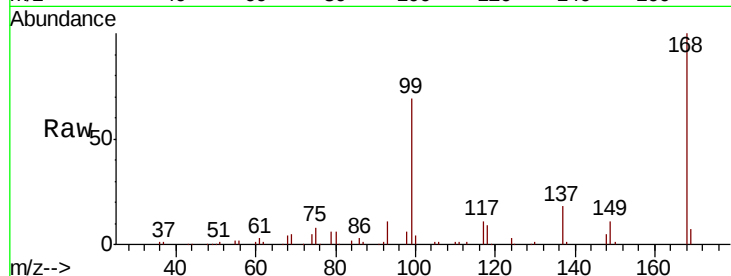




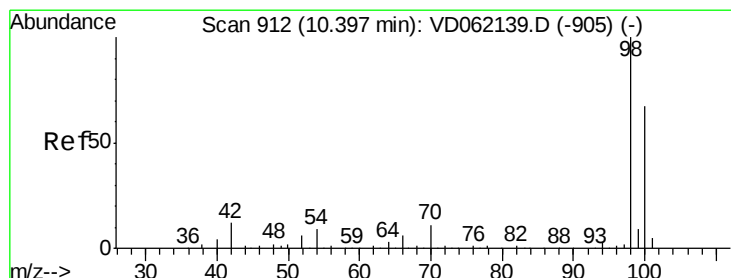
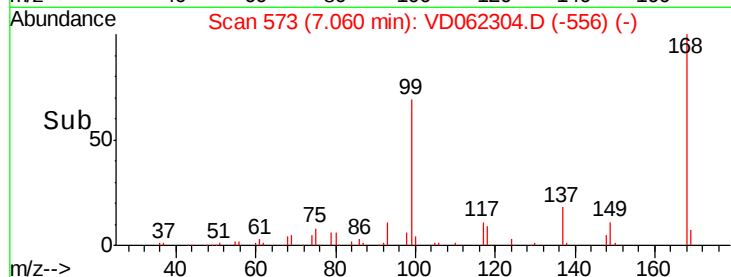
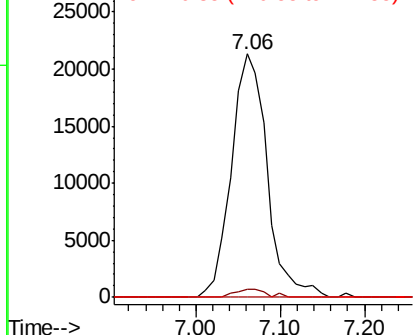
#38
Carbon Tetrachloride
Concen: 6.589 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD062304.D
Acq: 13 May 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-1218-01

Tot Ion:117 Resp: 63077
Ion Ratio Lower Upper
117 100
119 3.3 75.8 113.8#
121 0.0 25.9 38.9#

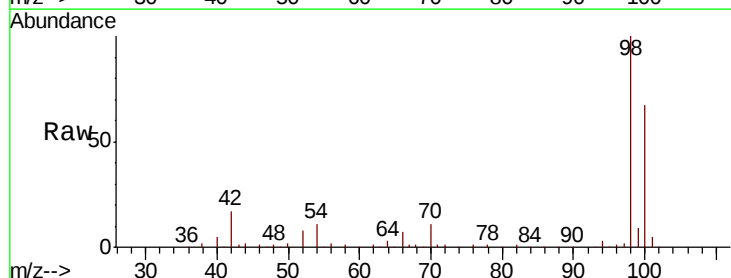


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

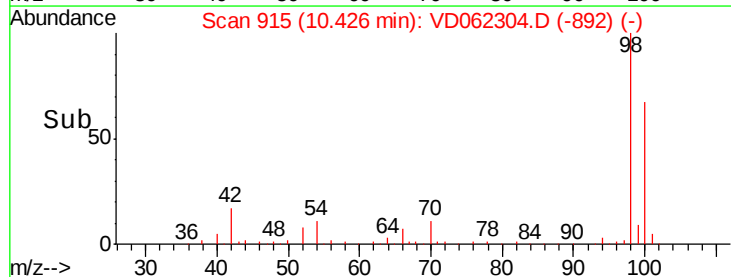
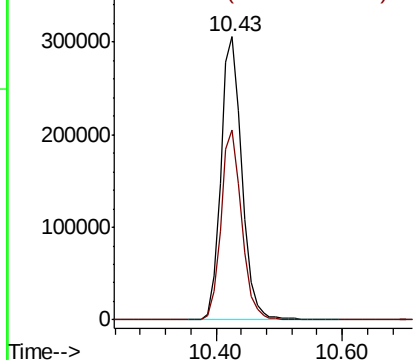


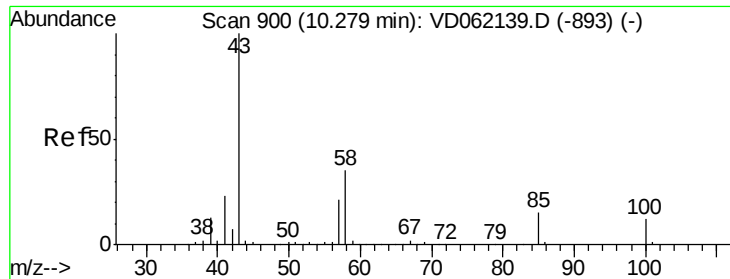
#50
Toluene-d8
Concen: 41.962 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062304.D
Acq: 13 May 2019 14:58

Tgt Ion: 98 Resp: 708131
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.616 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

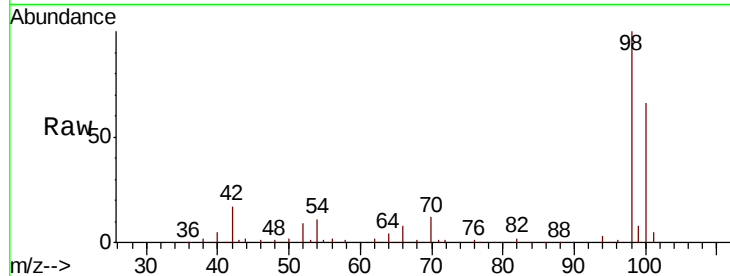
P021-SS004-1218-01

Tot Ion: 43 Resp: 4321

Ion Ratio Lower Upper

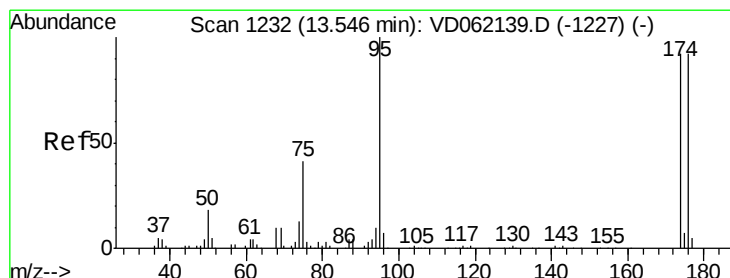
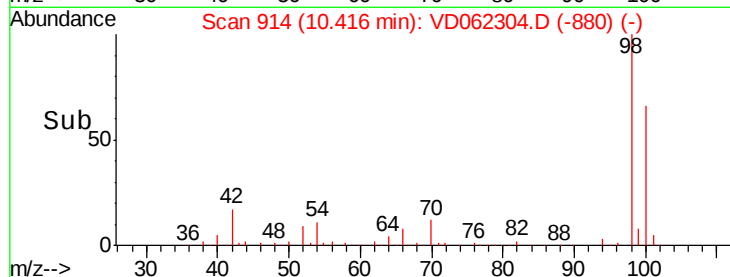
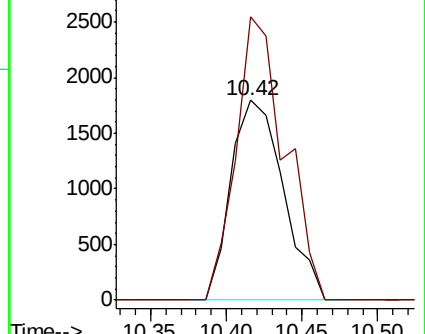
43 100

58 141.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 43.397 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

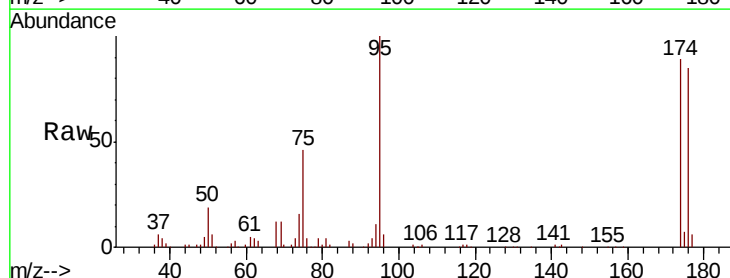
Tgt Ion: 95 Resp: 294078

Ion Ratio Lower Upper

95 100

174 88.7 0.0 181.8

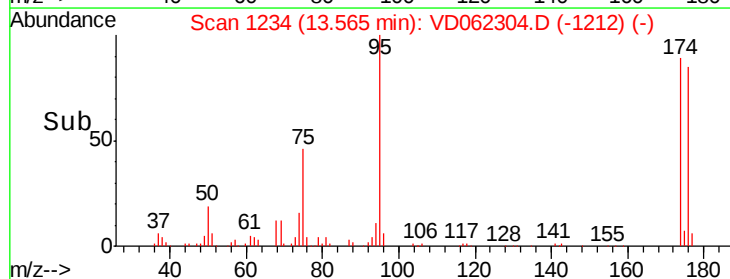
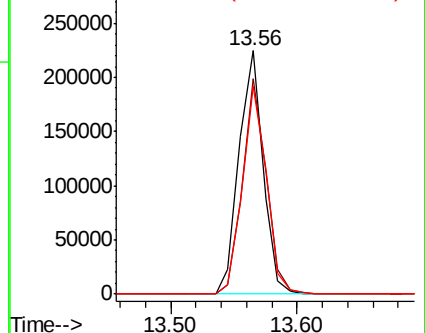
176 85.1 0.0 174.4

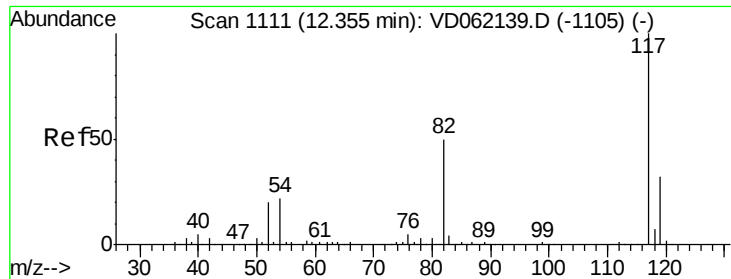


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

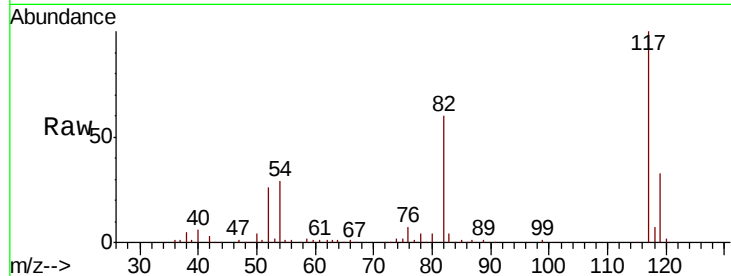




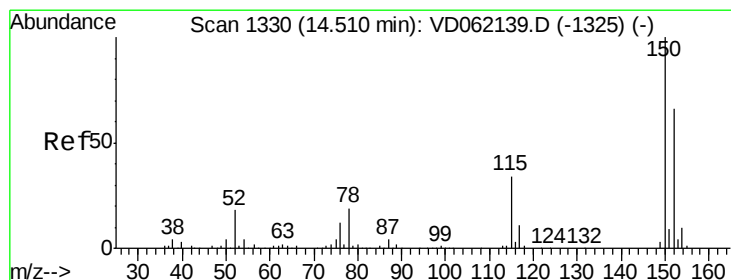
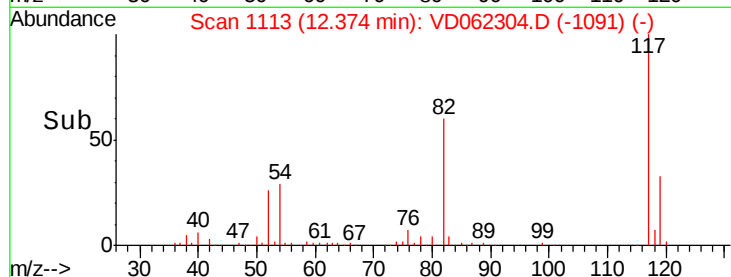
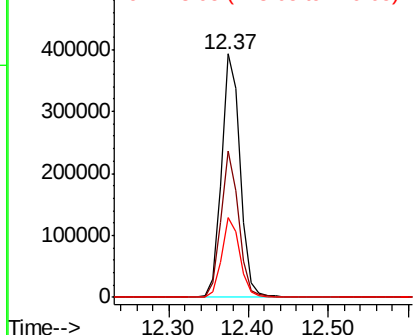
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062304.D
Acq: 13 May 2019 14:58

Instrument :
MSVOA_D
ClientSampleId :
P021-SS004-1218-01

Tot Ion:117 Resp: 647925
Ion Ratio Lower Upper
117 100
82 59.9 36.2 54.2#
119 32.6 26.2 39.4

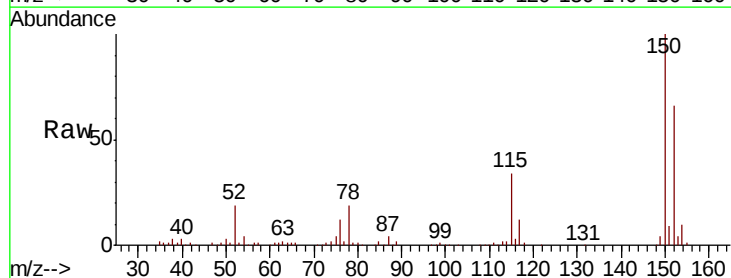


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

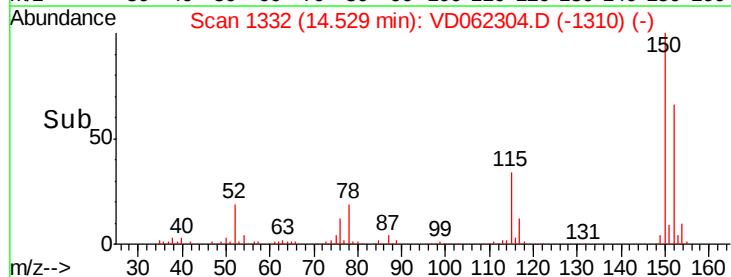
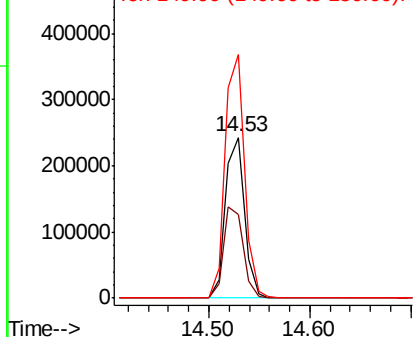


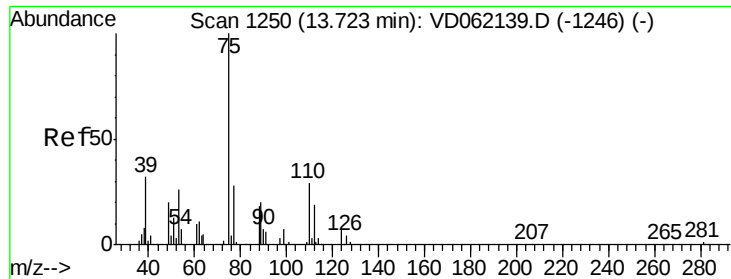
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062304.D
Acq: 13 May 2019 14:58

Tgt Ion:152 Resp: 322024
Ion Ratio Lower Upper
152 100
115 52.0 30.9 92.7
150 151.5 0.0 314.8



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





#76

1,2,3-Trichloropropane

Concen: 33.975 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

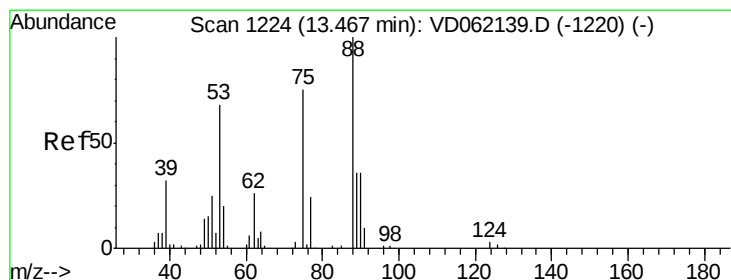
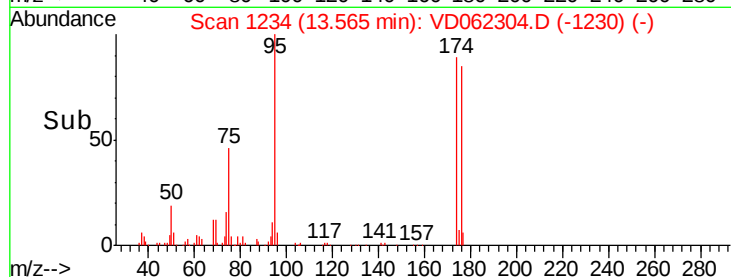
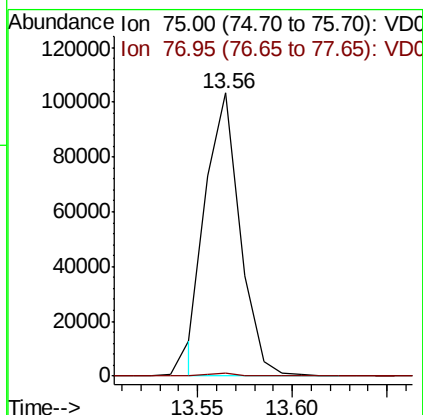
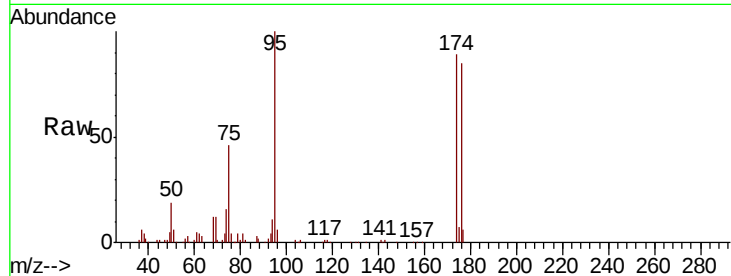
P021-SS004-1218-01

Tot Ion: 75 Resp: 130024

Ion Ratio Lower Upper

75 100

77 0.9 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.602 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062304.D

Acq: 13 May 2019 14:58

Tgt Ion: 75 Resp: 137859

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

