

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063025.D
 Acq On : 3 Jul 2019 15:37
 Operator : VA/AP
 Sample : K3650-02RE
 Misc : 3.30g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-051

Quant Time: Jul 04 00:46:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

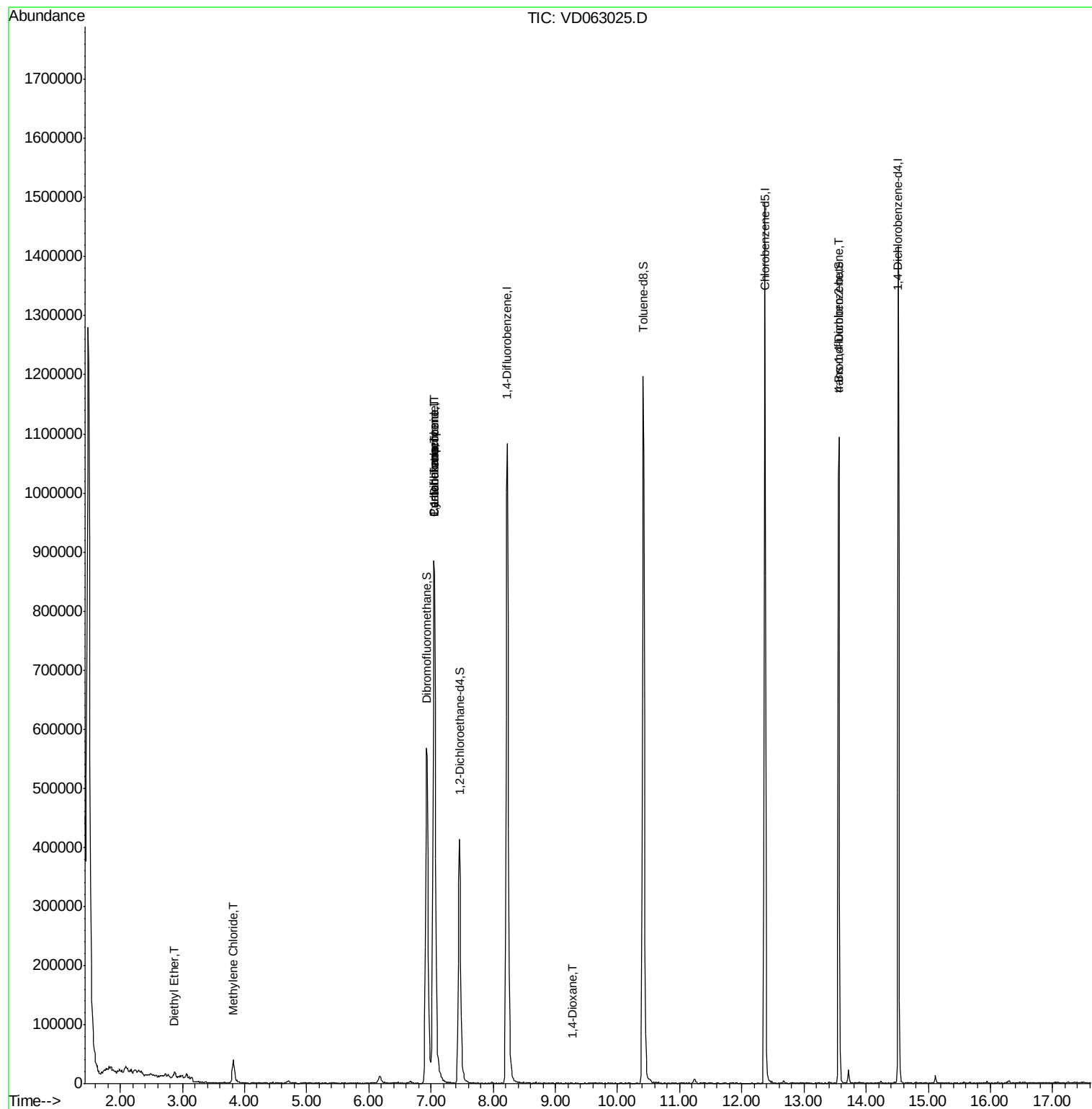
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	866158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1175767	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	805185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	293151	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	461812	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
35) Dibromofluoromethane	6.93	113	504919	50.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.86%	
50) Toluene-d8	10.41	98	985079	45.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.30%	
62) 4-Bromofluorobenzene	13.56	95	319877	32.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	65.20%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.87	74	2450	1.140	ug/l	59
16) Acetone	3.22	43	615	Below Cal	#	64
20) Methylene Chloride	3.82	84	24751	3.447	ug/l #	87
31) Cyclohexane	7.04	56	20369	2.304	ug/l #	15
36) 1,1-Dichloropropene	7.05	75	68304	6.137	ug/l #	53
37) Ethyl Acetate	6.18	43	1271	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	88649	5.296	ug/l #	16
49) 1,4-Dioxane	9.27	88	226	6.551	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.55	75	153096	172.609	ug/l #	2

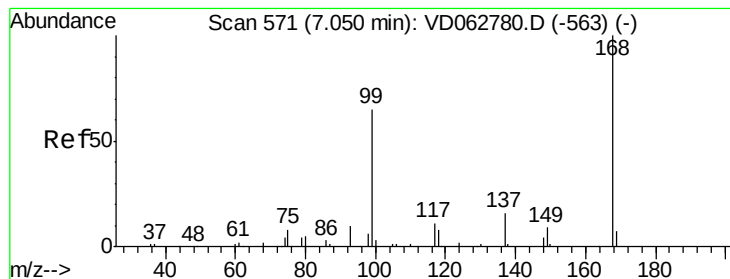
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070319\
Data File : VD063025.D
Acq On : 3 Jul 2019 15:37
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Misc : 3.30µl/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
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FK-PS-01-051

Quant Time: Jul 04 00:46:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD063025.D

Acq: 3 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

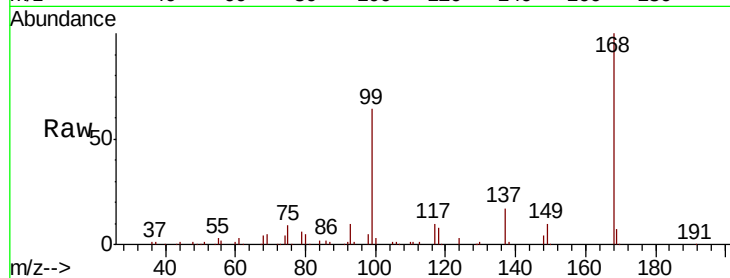
FK-PS-01-051

Tot Ion:168 Resp: 866158

Ion Ratio Lower Upper

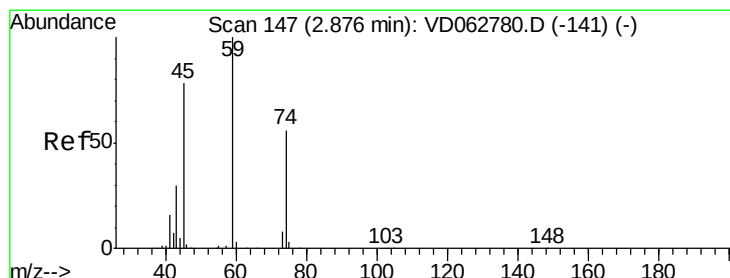
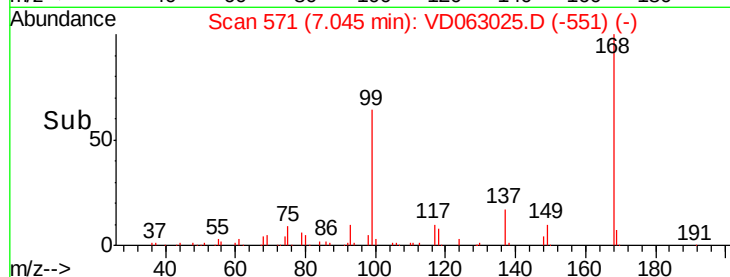
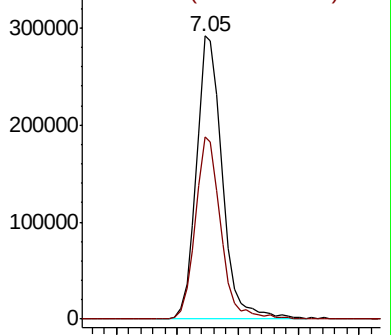
168 100

99 64.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.140 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD063025.D

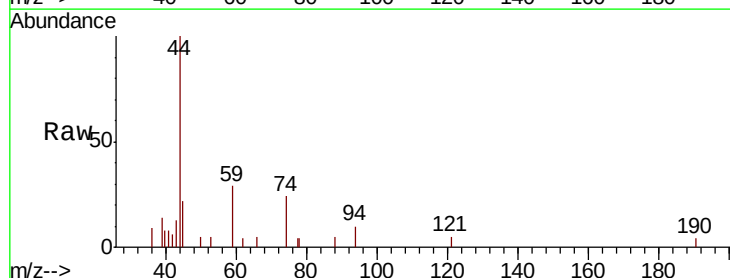
Acq: 3 Jul 2019 15:37

Tgt Ion: 74 Resp: 2450

Ion Ratio Lower Upper

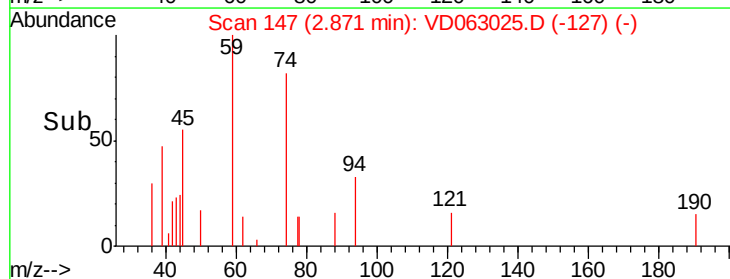
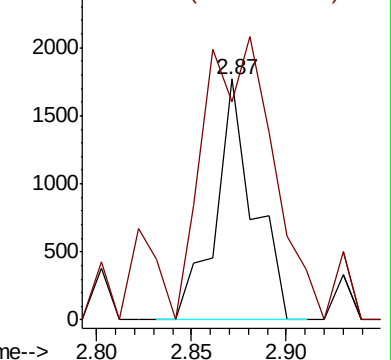
74 100

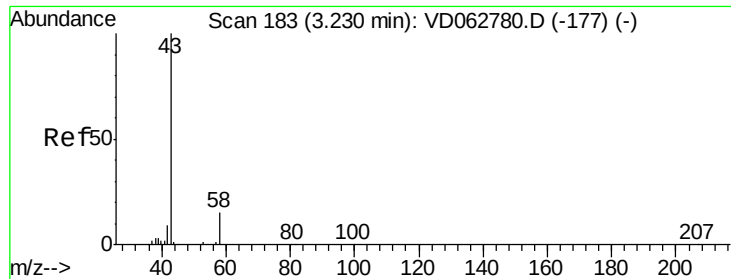
45 90.2 70.2 210.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: Below Cal

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD063025.D

Acq: 3 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

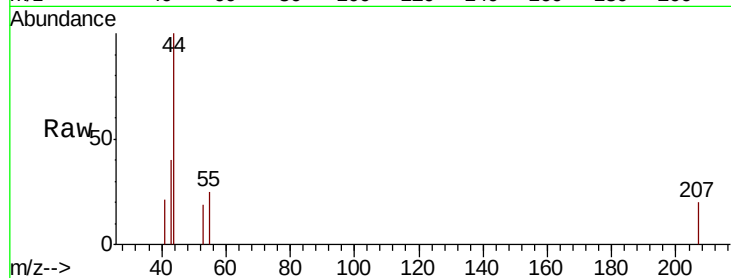
FK-PS-01-051

Tot Ion: 43 Resp: 615

Ion Ratio Lower Upper

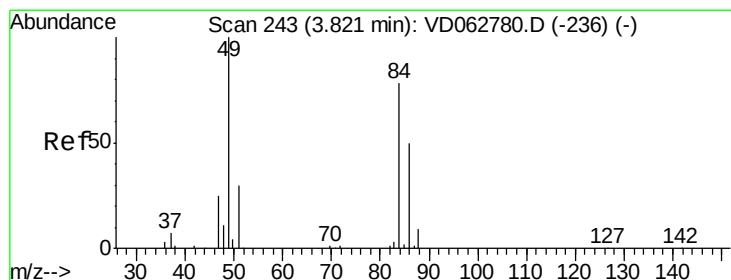
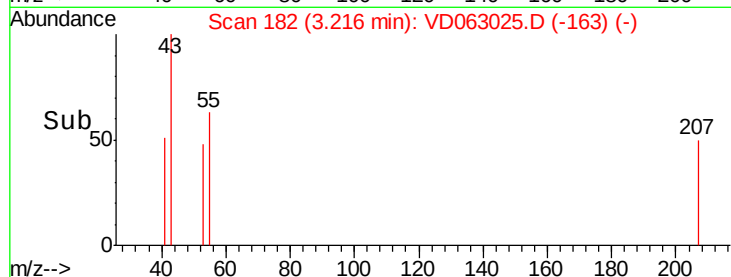
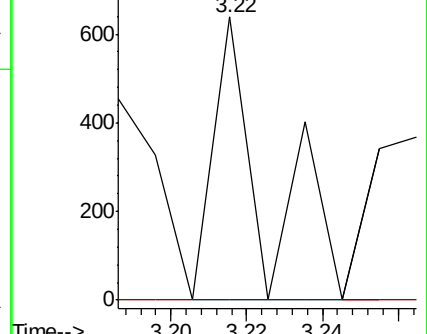
43 100

58 0.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.447 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD063025.D

Acq: 3 Jul 2019 15:37

Tgt Ion: 84 Resp: 24751

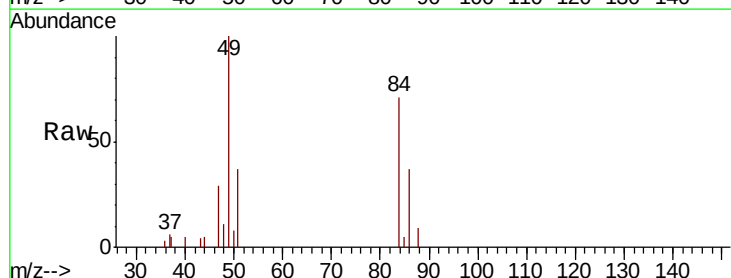
Ion Ratio Lower Upper

84 100

49 140.4 102.9 154.3

51 51.5 31.2 46.8#

86 52.0 51.4 77.2

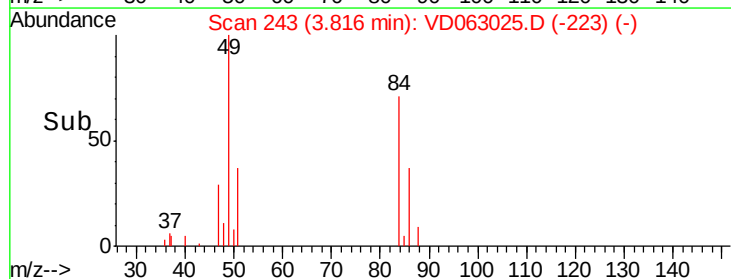
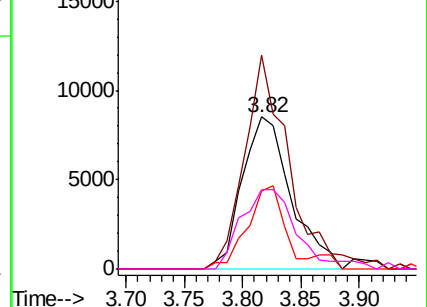


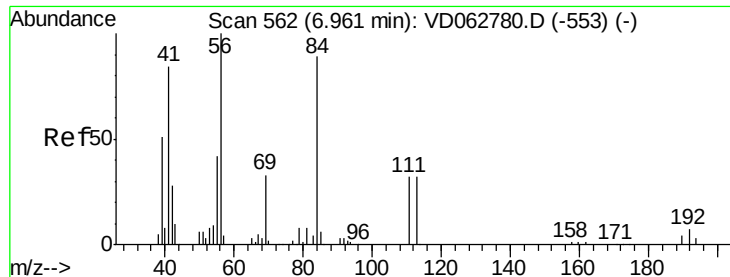
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

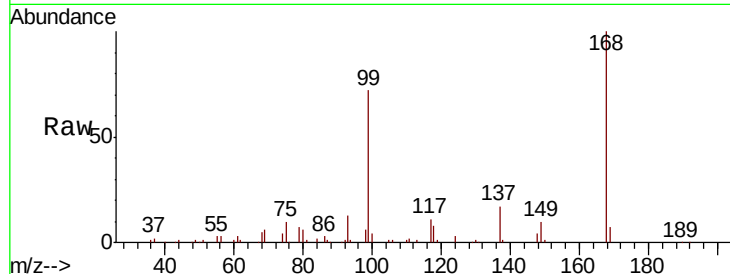




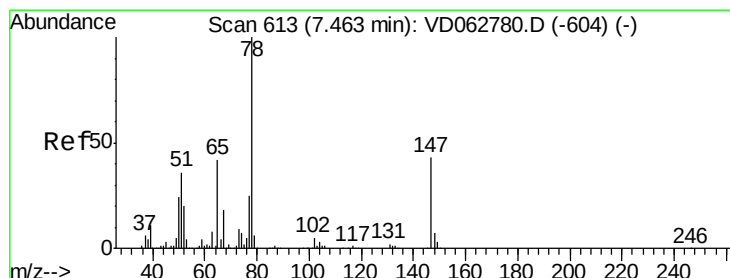
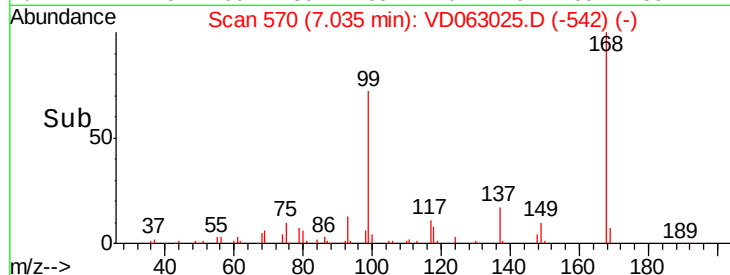
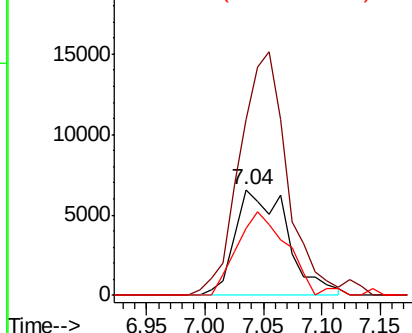
#31
Cyclohexane
Concen: 2.304 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063025.D
Acq: 3 Jul 2019 15:37

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-051

Tot Ion: 56 Resp: 20369
Ion Ratio Lower Upper
56 100
69 166.2 26.6 39.8#
84 62.7 75.5 113.3#

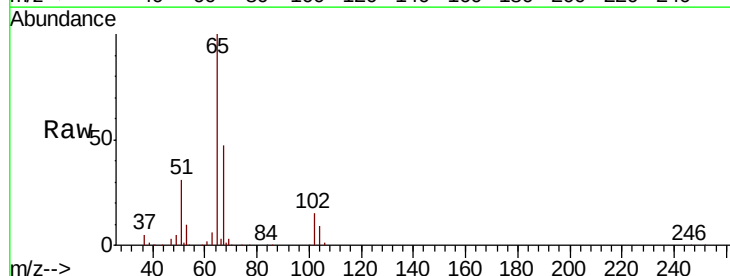


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

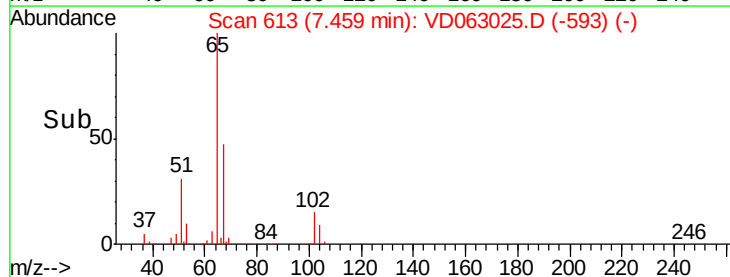
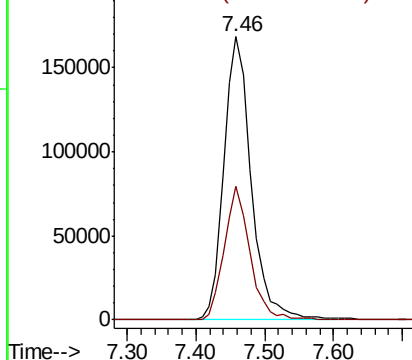


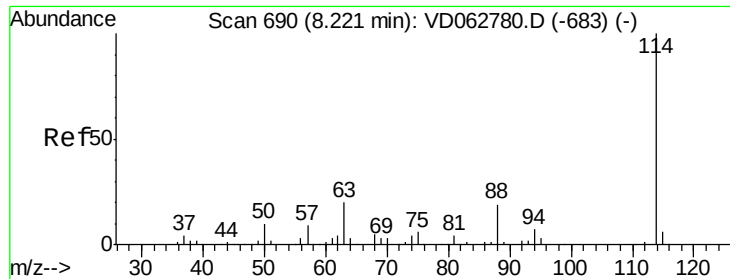
#33
1,2-Dichloroethane-d4
Concen: 49.051 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD063025.D
Acq: 3 Jul 2019 15:37

Tgt Ion: 65 Resp: 461812
Ion Ratio Lower Upper
65 100
67 47.4 0.0 87.4



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

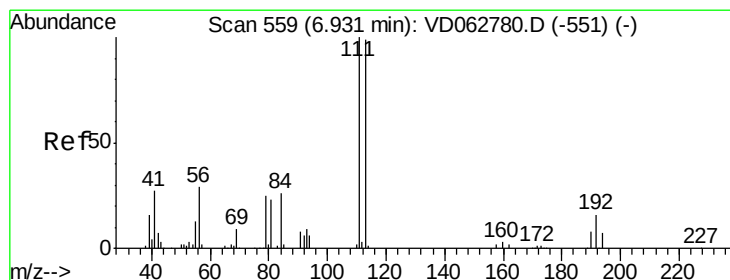
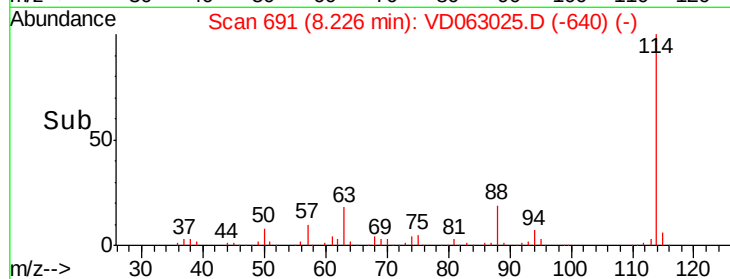
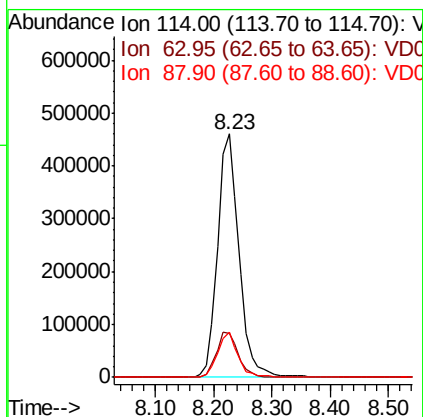
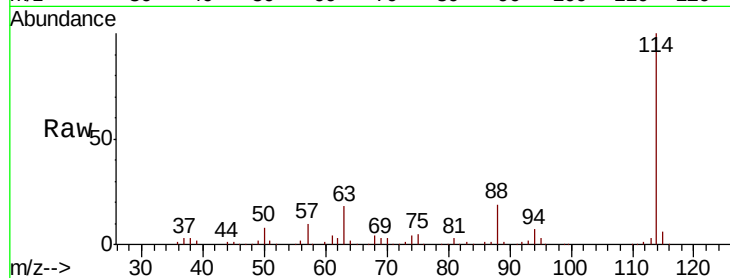




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD063025.D
 Acq: 3 Jul 2019 15:37

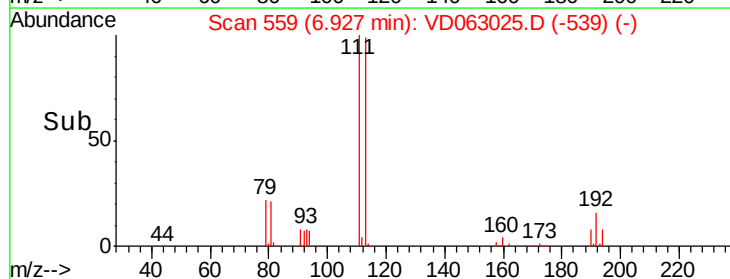
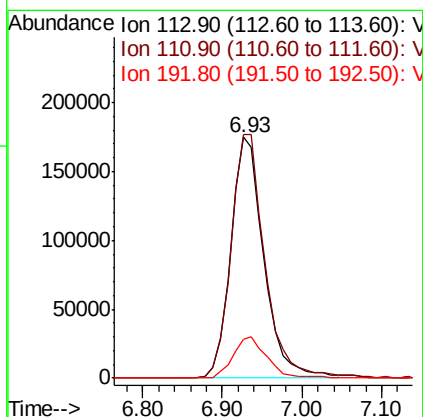
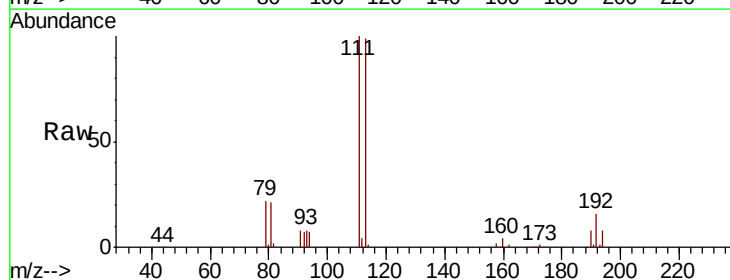
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-051

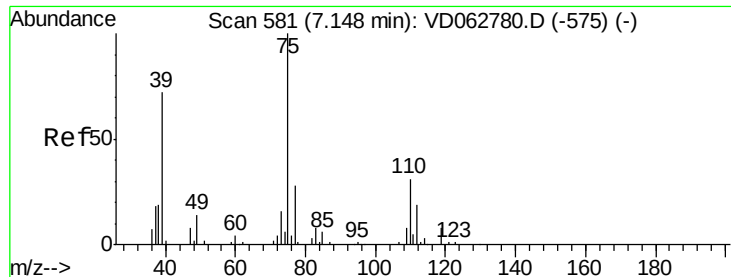
Tot Ion:114 Resp: 1175767
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 40.0
 88 18.5 0.0 38.8



#35
 Dibromofluoromethane
 Concen: 50.930 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD063025.D
 Acq: 3 Jul 2019 15:37

Tgt Ion:113 Resp: 504919
 Ion Ratio Lower Upper
 113 100
 111 101.0 81.2 121.8
 192 16.4 12.9 19.3

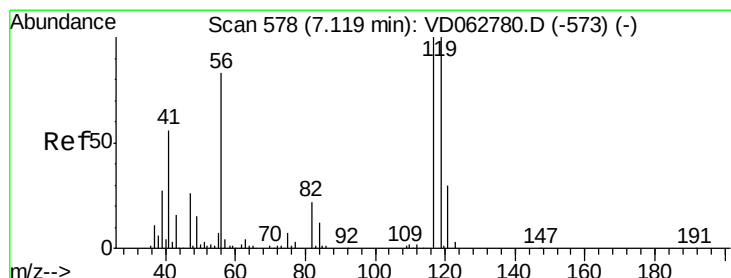
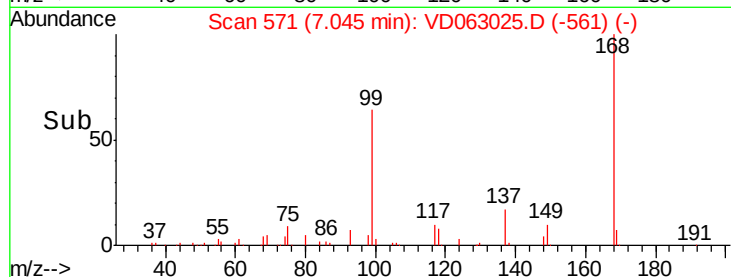
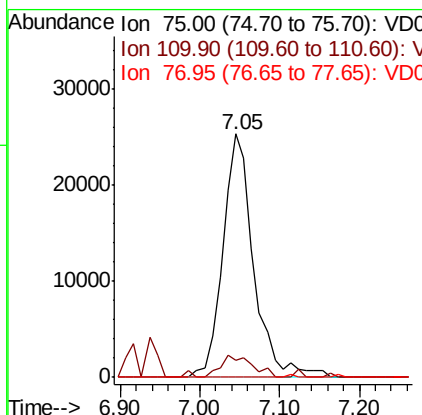
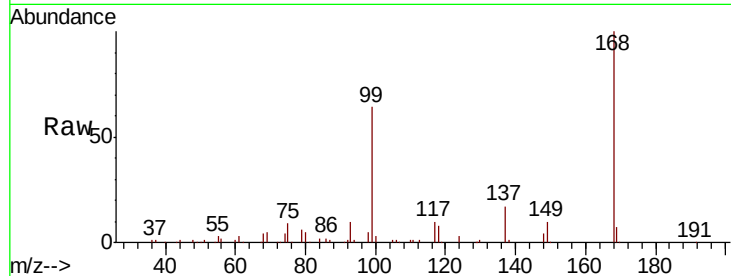




#36
 1,1-Dichloropropene
 Concen: 6.137 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.10 min
 Lab File: VD063025.D
 Acq: 3 Jul 2019 15:37

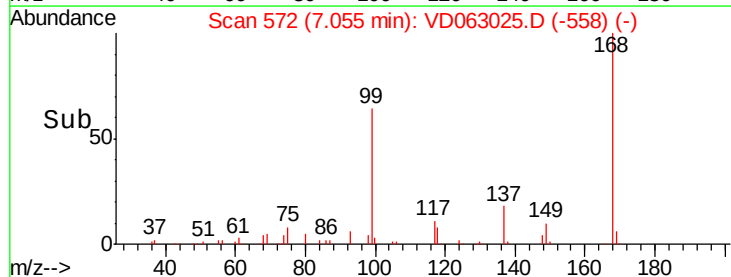
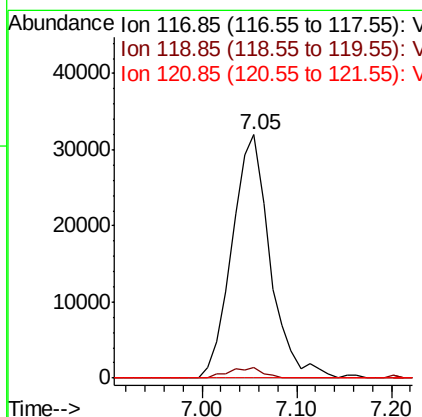
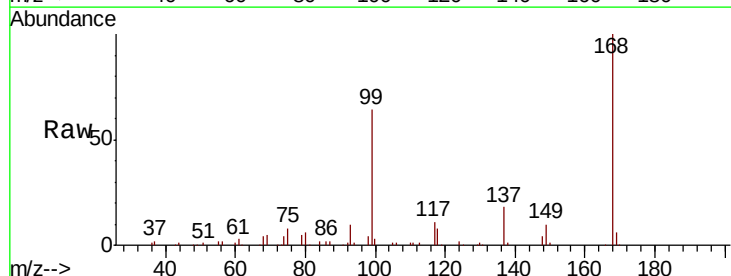
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-051

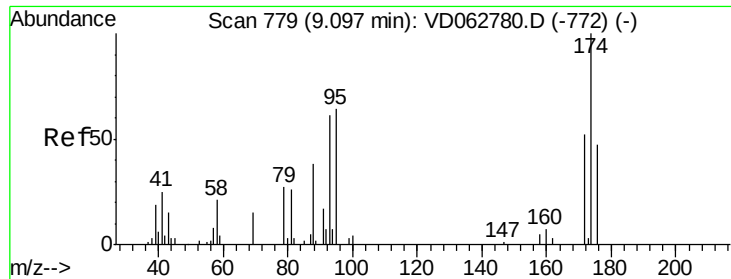
Tot Ion	75	Resp	68304
Ion Ratio	100	Lower	Upper
75	100		
110	7.1	15.0	45.1#
77	0.0	22.2	33.2#



#38
 Carbon Tetrachloride
 Concen: 5.296 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD063025.D
 Acq: 3 Jul 2019 15:37

Tgt Ion	117	Resp	88649
Ion Ratio	100	Lower	Upper
117	100		
119	4.2	75.4	113.2#
121	0.0	22.3	33.5#





#49

1,4-Dioxane

Concen: 6.551 ug/l

RT: 9.27 min Scan# 797

Delta R.T. 0.17 min

Lab File: VD063025.D

Acq: 3 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-051

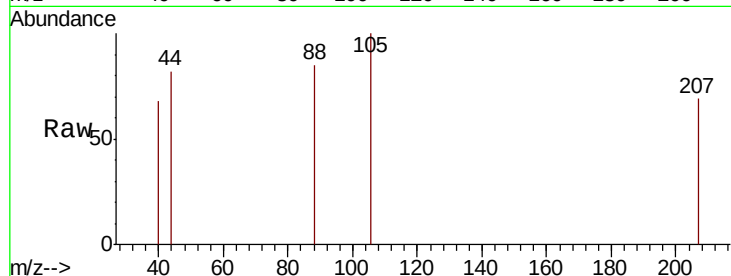
Tot Ion: 88 Resp: 226

Ion Ratio Lower Upper

88 100

43 96.1 32.1 48.1#

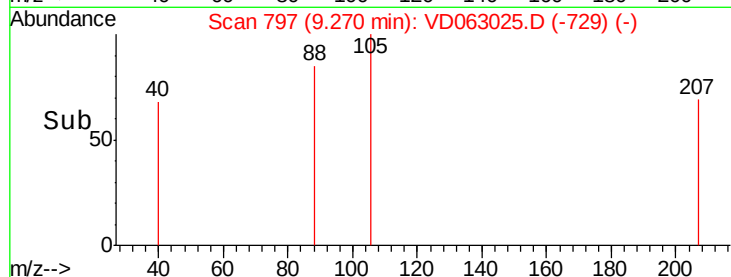
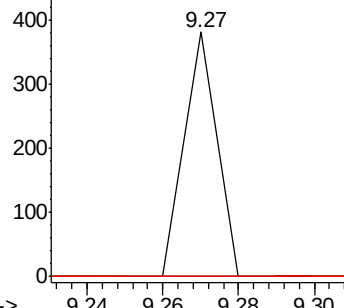
58 0.0 44.1 66.1#



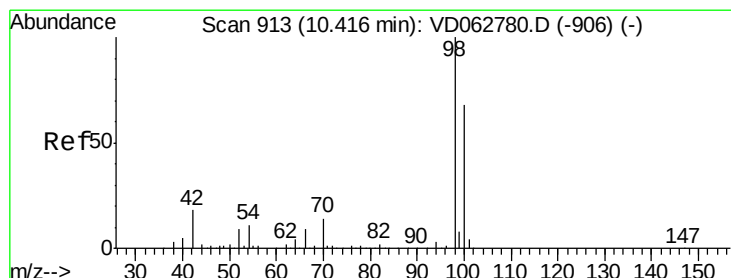
Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#50

Toluene-d8

Concen: 45.653 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063025.D

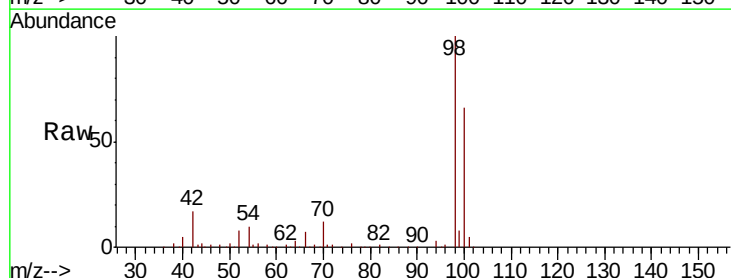
Acq: 3 Jul 2019 15:37

Tgt Ion: 98 Resp: 985079

Ion Ratio Lower Upper

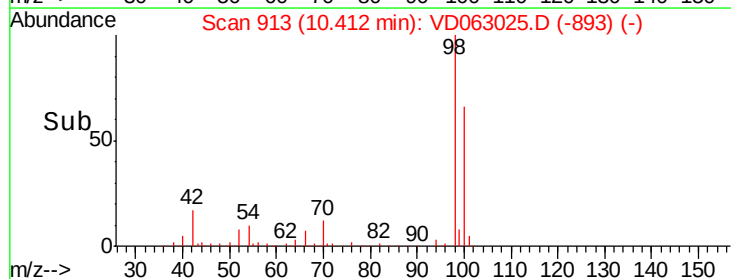
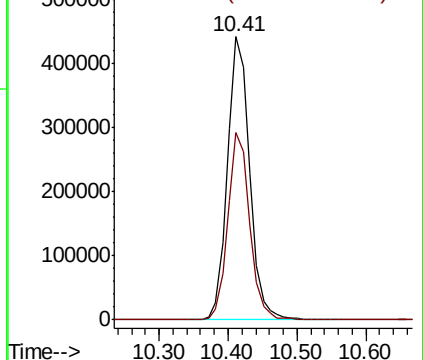
98 100

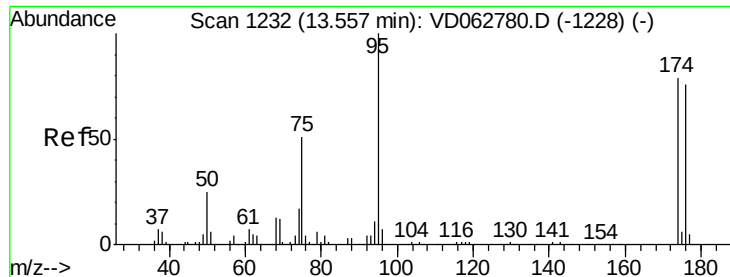
100 66.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#62

4-Bromofluorobenzene

Concen: 32.602 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063025.D

Acq: 3 Jul 2019 15:37

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-051

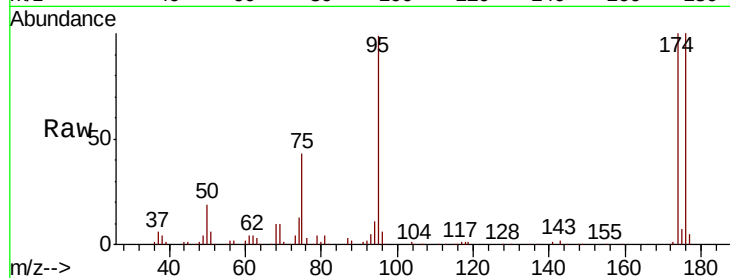
Tot Ion: 95 Resp: 319877

Ion Ratio Lower Upper

95 100

174 101.2 0.0 158.0

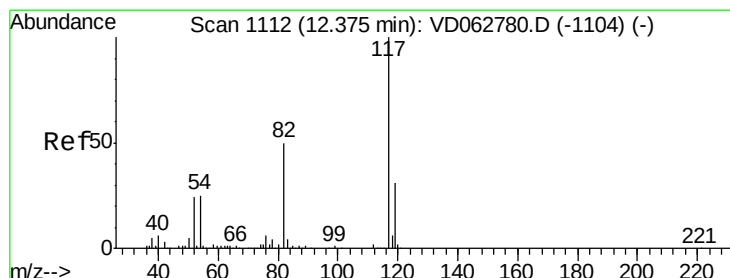
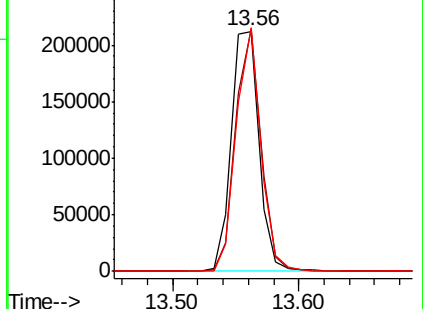
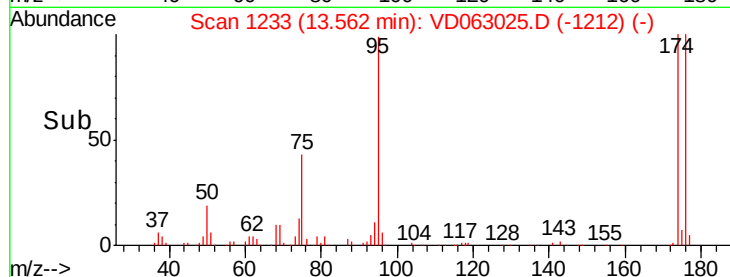
176 101.5 0.0 151.6



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# 1112

Delta R.T. -0.00 min

Lab File: VD063025.D

Acq: 3 Jul 2019 15:37

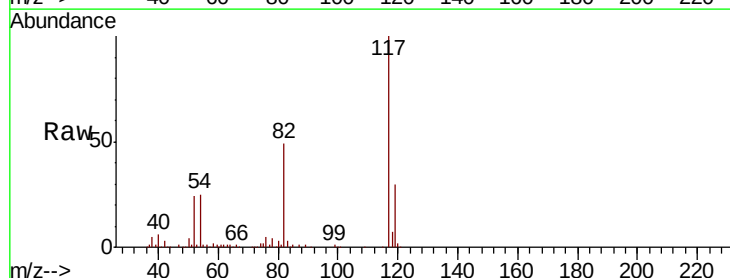
Tgt Ion: 117 Resp: 805185

Ion Ratio Lower Upper

117 100

82 49.3 40.4 60.6

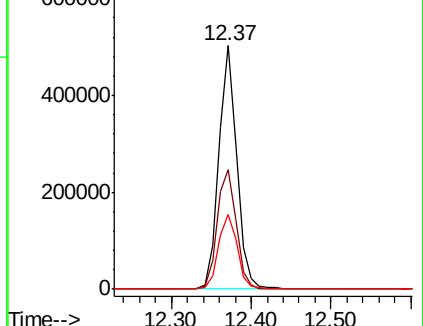
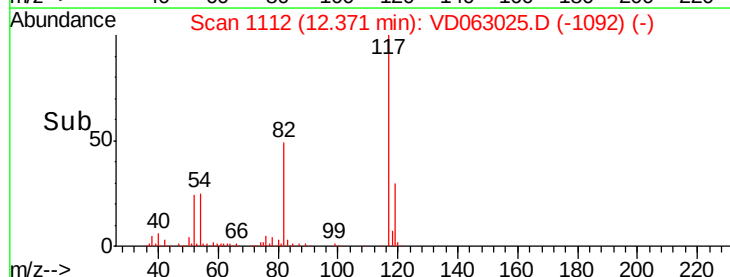
119 30.5 25.2 37.8

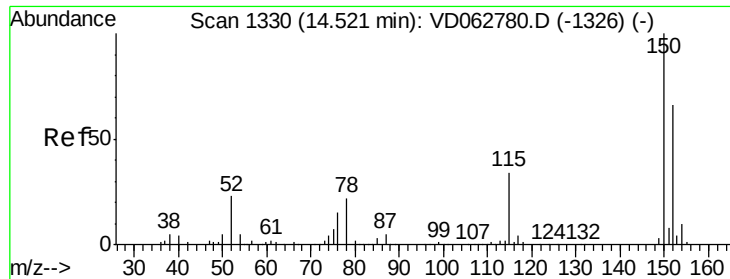


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

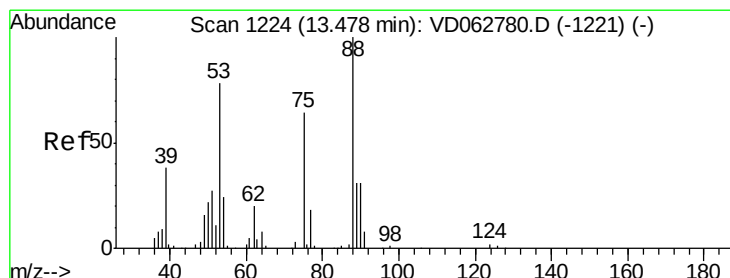
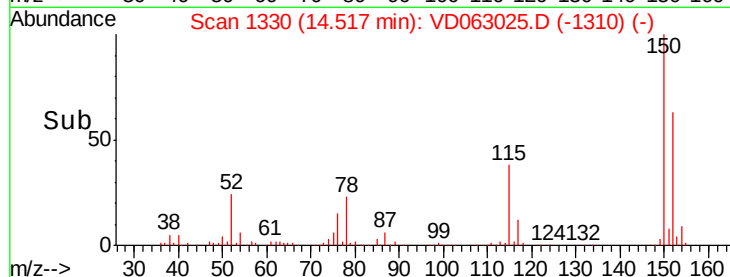
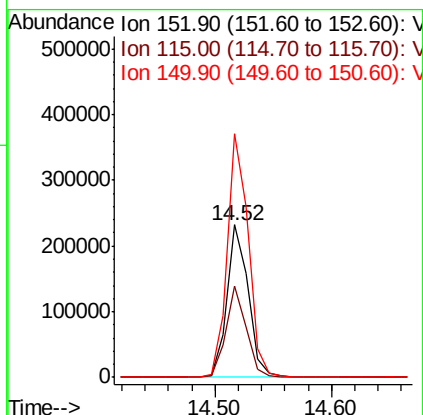
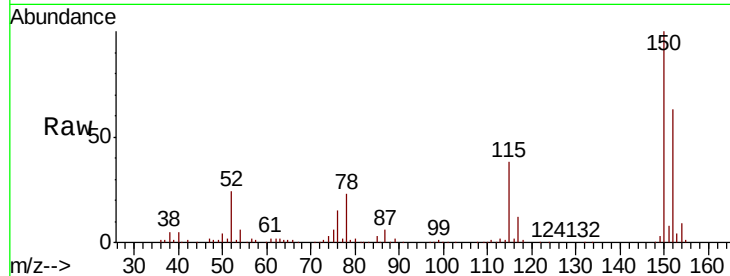




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VD063025.D
 Acq: 3 Jul 2019 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-051

Tot Ion:152 Resp: 293151
 Ion Ratio Lower Upper
 152 100
 115 60.3 29.2 87.6
 150 159.9 0.0 305.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 172.609 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063025.D
 Acq: 3 Jul 2019 15:37

Tgt Ion: 75 Resp: 153096
 Ion Ratio Lower Upper
 75 100
 53 0.0 97.8 146.8#
 89 0.0 39.4 59.2#

