

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\
 Data File : VD062293.D
 Acq On : 13 May 2019 8:22
 Operator : FY/SY
 Sample : K2774-02
 Misc : 4.74g/5mL/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-048

Quant Time: May 13 08:47:22 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

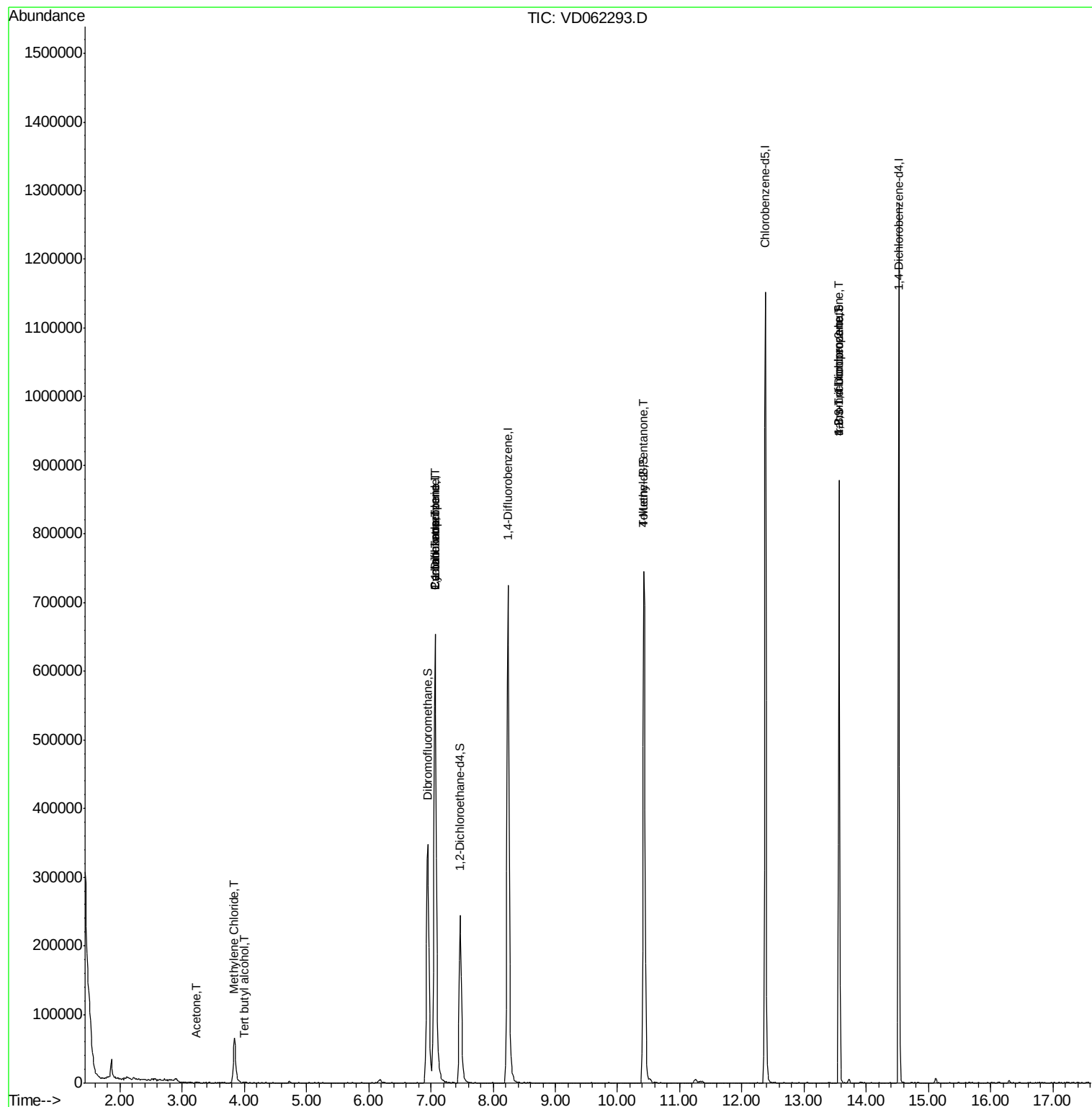
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	587640	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	762823	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	601988	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	260651	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	287234	52.60	ug/l	0.04
Spiked Amount 50.000			Recovery	=	105.20%	
35) Dibromofluoromethane	6.95	113	310477	49.05	ug/l	0.05
Spiked Amount 50.000			Recovery	=	98.10%	
50) Toluene-d8	10.42	98	616580	40.40	ug/l	0.03
Spiked Amount 50.000			Recovery	=	80.80%	
62) 4-Bromofluorobenzene	13.56	95	246095	40.16	ug/l	0.02
Spiked Amount 50.000			Recovery	=	80.32%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.00	59	550	1.973	ug/l #	76
16) Acetone	3.24	43	2264	1.977	ug/l #	50
20) Methylene Chloride	3.84	84	43450	9.087	ug/l	94
31) Cyclohexane	7.07	56	12259	2.140	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	49704	7.947	ug/l #	49
38) Carbon Tetrachloride	7.07	117	63679	7.356	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	3210	1.328	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	108089	34.894	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	110260	126.087	ug/l #	16

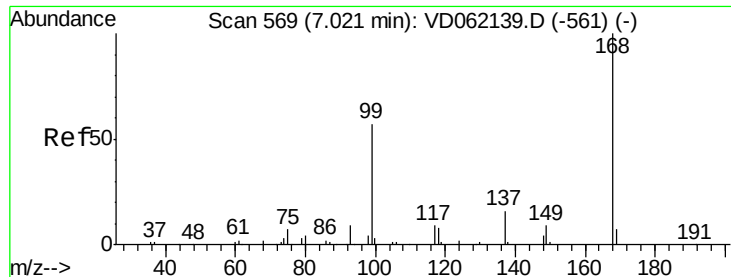
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\
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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: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Instrument :

MSVOA_D

ClientSampleId :

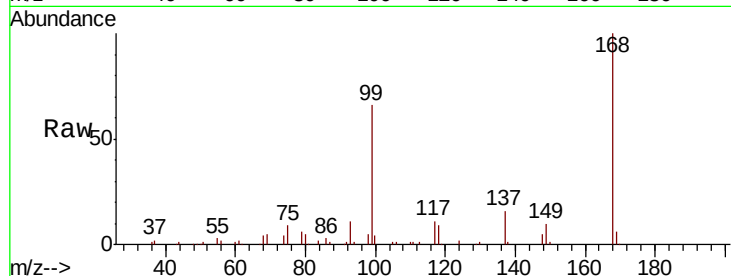
FK-PS-01-048

Tot Ion:168 Resp: 587640

Ion Ratio Lower Upper

168 100

99 66.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

250000

200000

150000

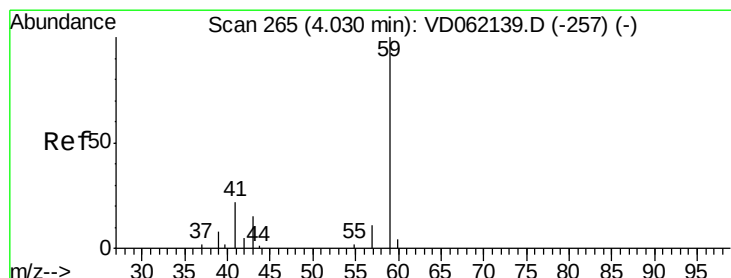
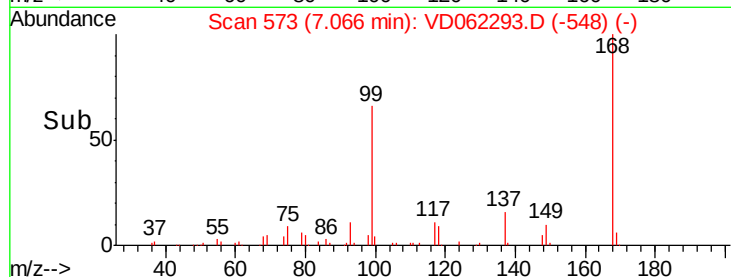
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 1.973 ug/l

RT: 4.00 min Scan# 261

Delta R.T. -0.03 min

Lab File: VD062293.D

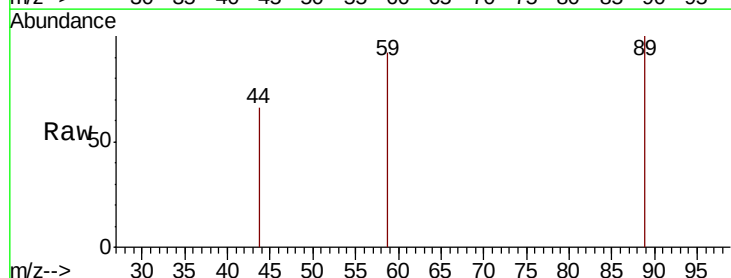
Acq: 13 May 2019 8:22

Tgt Ion: 59 Resp: 550

Ion Ratio Lower Upper

59 100

57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V

4.00

600

500

400

300

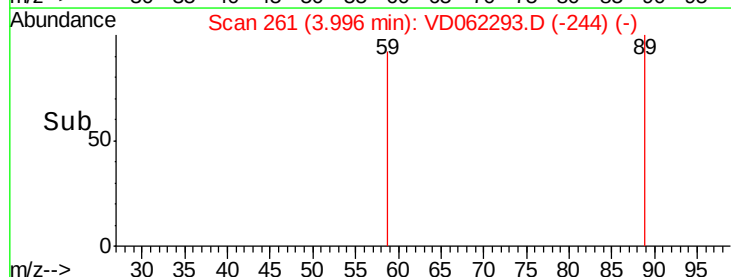
200

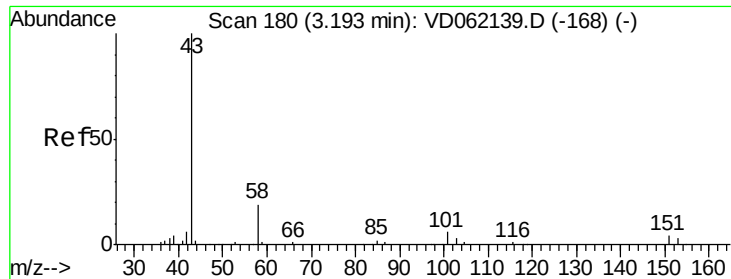
100

0

Time-->

3.96 3.98 4.00 4.02 4.04





#16

Acetone

Concen: 1.977 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Instrument :

MSVOA_D

ClientSampleId :

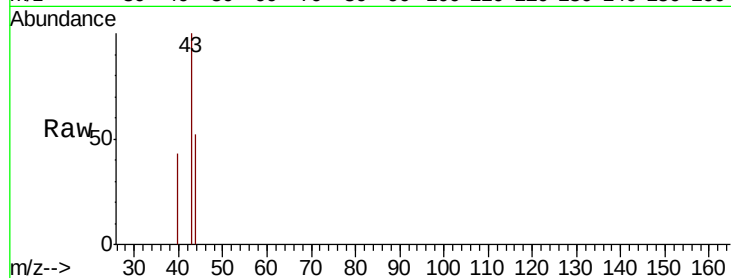
FK-PS-01-048

Tot Ion: 43 Resp: 2264

Ion Ratio Lower Upper

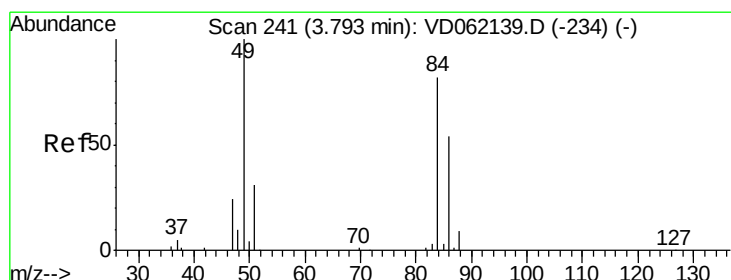
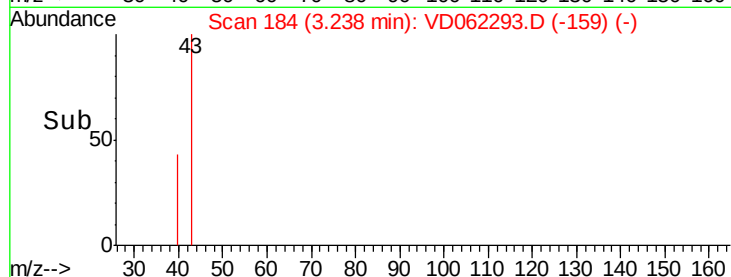
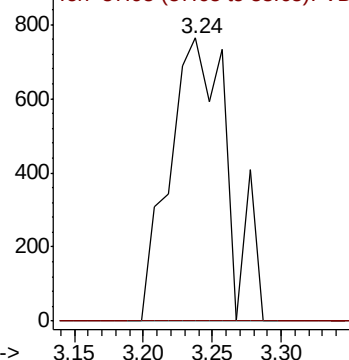
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 9.087 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Tgt Ion: 84 Resp: 43450

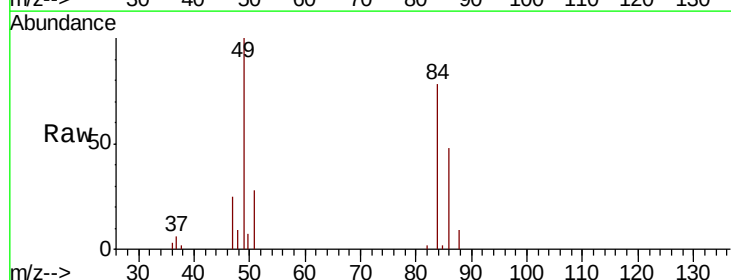
Ion Ratio Lower Upper

84 100

49 127.8 94.0 141.0

51 35.6 29.0 43.4

86 61.6 49.8 74.6

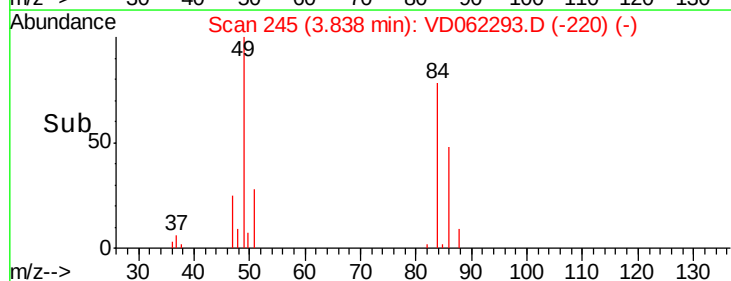
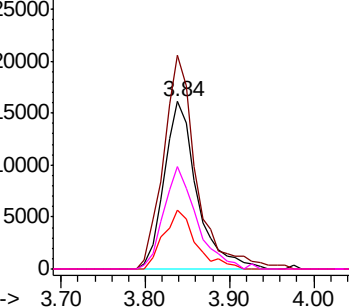


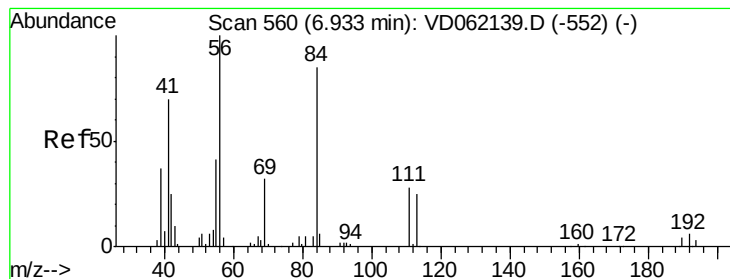
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 2.140 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.13 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

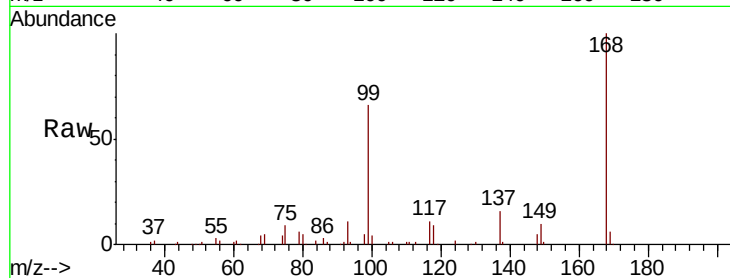
Tot Ion: 56 Resp: 12259

Ion Ratio Lower Upper

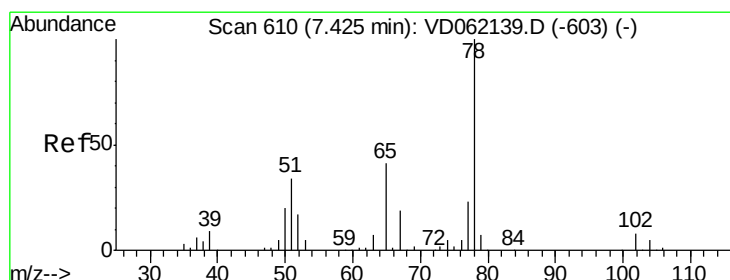
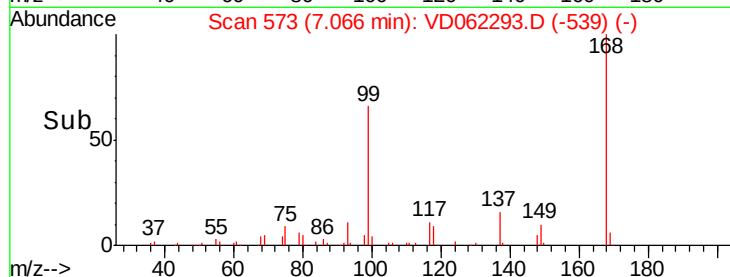
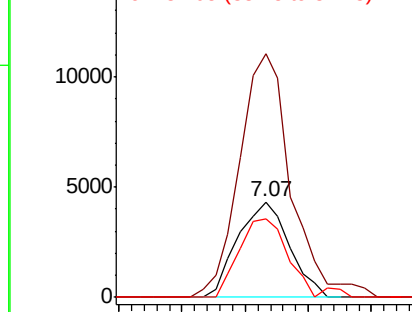
56 100

69 255.6 25.8 38.6#

84 82.2 72.2 108.4



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: 52.597 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD062293.D

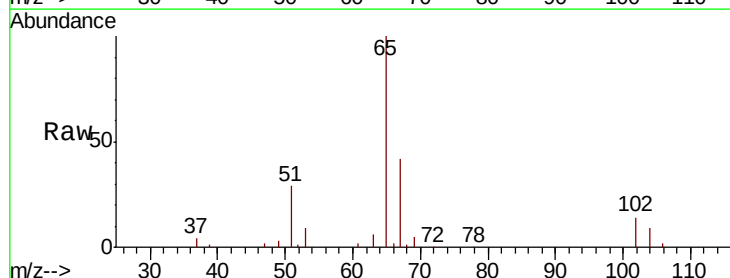
Acq: 13 May 2019 8:22

Tgt Ion: 65 Resp: 287234

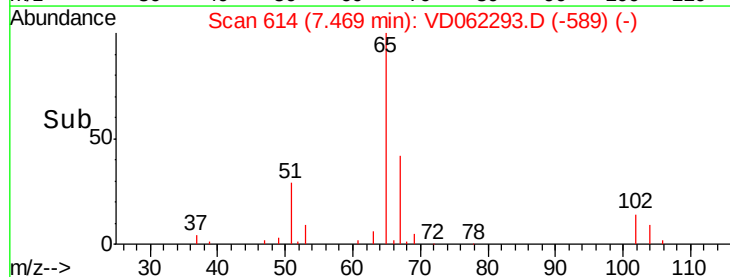
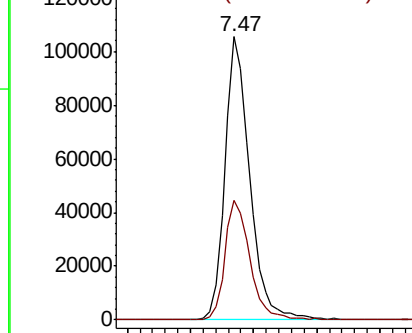
Ion Ratio Lower Upper

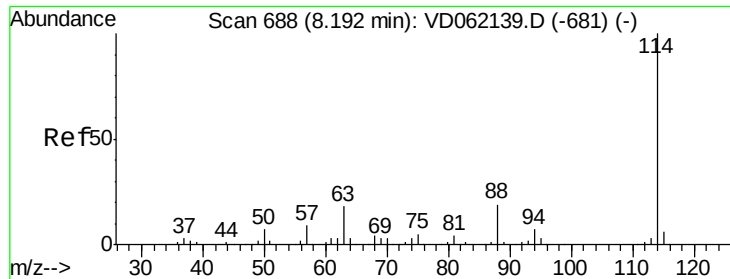
65 100

67 42.4 0.0 98.0



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: 8.24 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

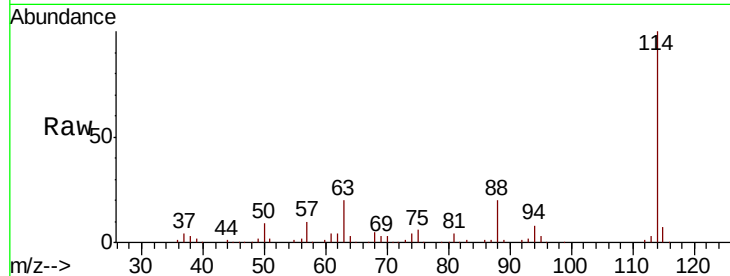
Tot Ion:114 Resp: 762823

Ion Ratio Lower Upper

114 100

63 20.3 0.0 32.4

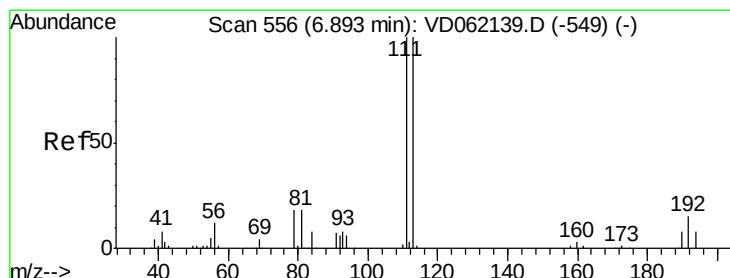
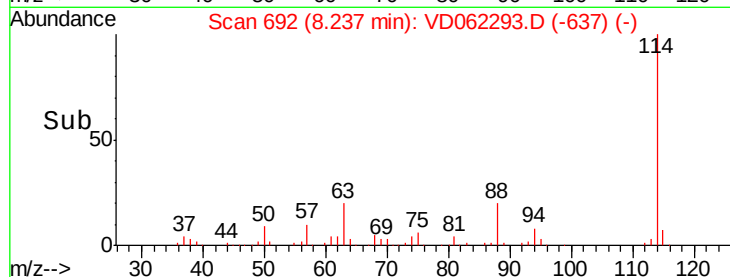
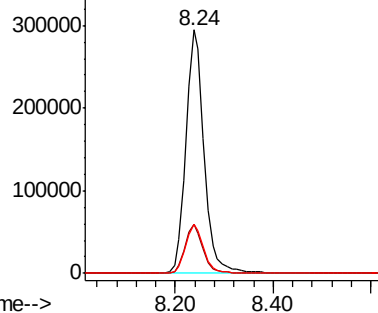
88 20.4 0.0 33.6



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: 49.054 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

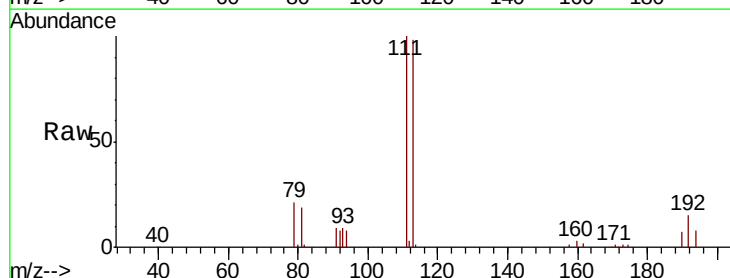
Tgt Ion:113 Resp: 310477

Ion Ratio Lower Upper

113 100

111 102.3 78.5 117.7

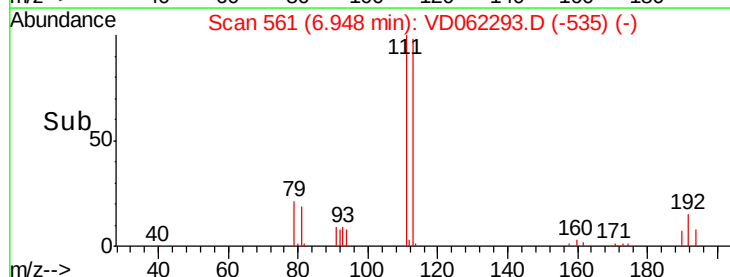
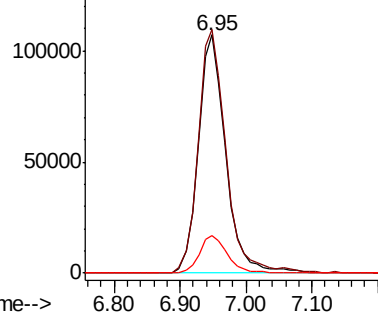
192 15.6 13.0 19.4

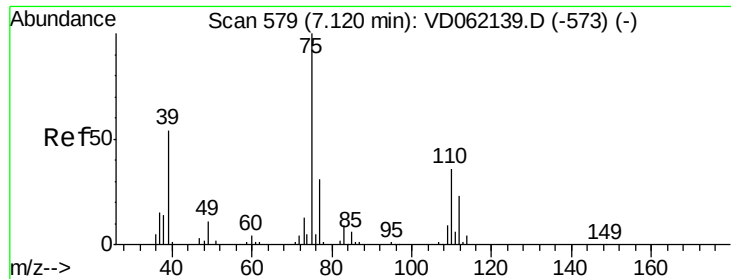


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

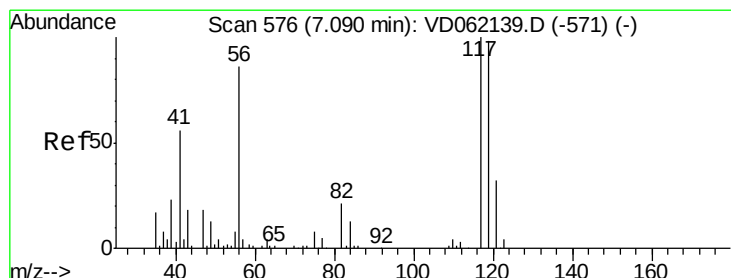
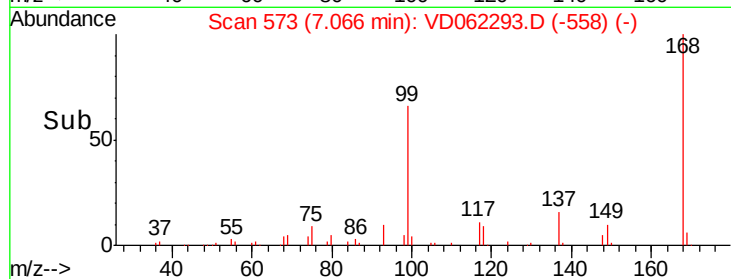
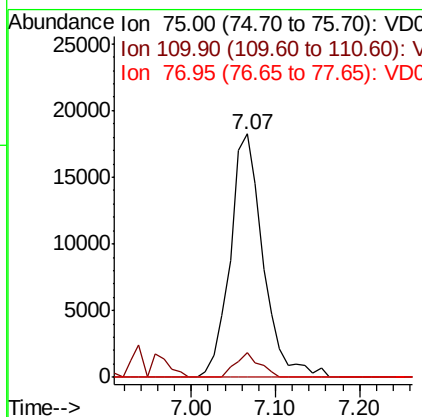
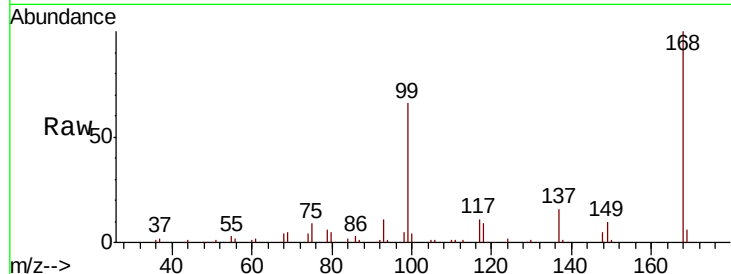




#36
 1,1-Dichloropropene
 Concen: 7.947 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.05 min
 Lab File: VD062293.D
 Acq: 13 May 2019 8:22

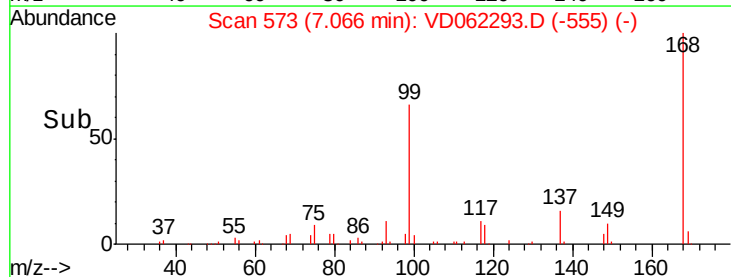
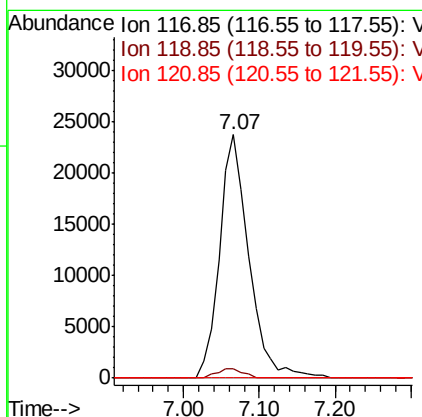
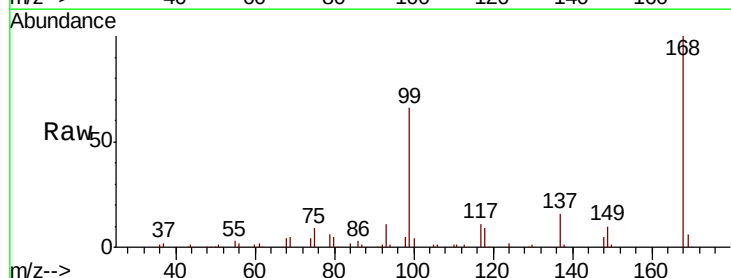
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-PS-01-048

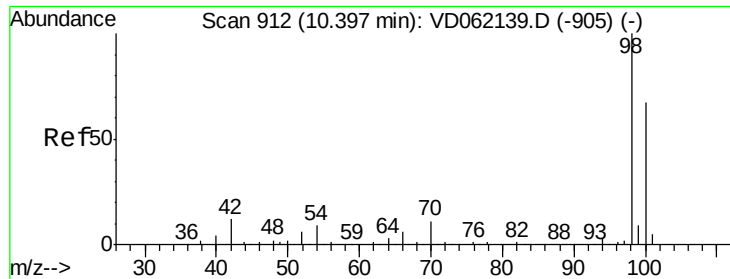
Tot Ion	75	Resp	49704
Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 7.356 ug/l
 RT: 7.07 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: VD062293.D
 Acq: 13 May 2019 8:22

Tgt Ion	117	Resp	63679
Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.8	113.8#
121	0.0	25.9	38.9#

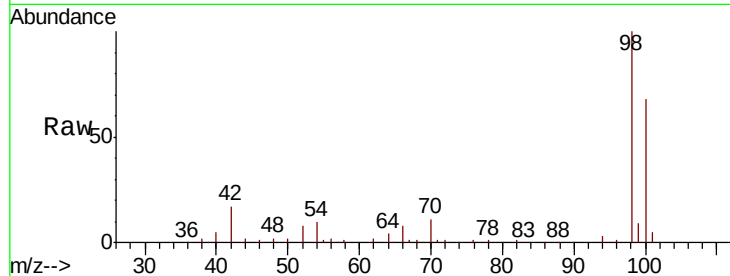




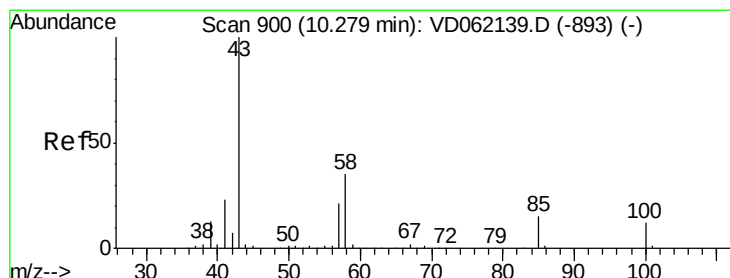
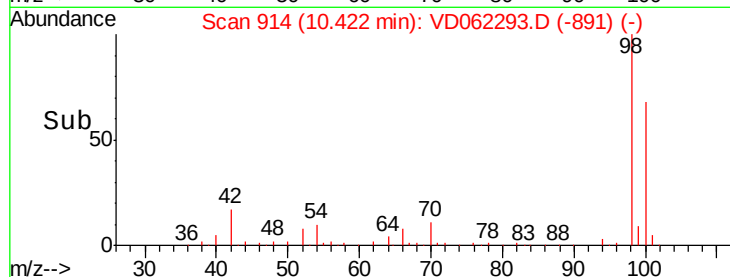
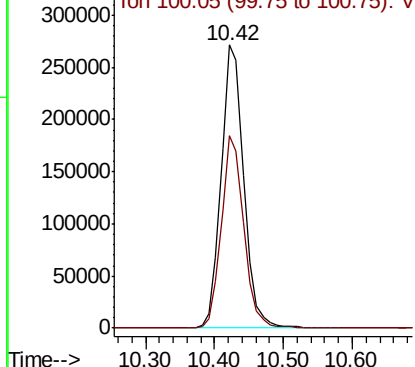
#50
Toluene-d8
Concen: 40.404 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD062293.D
Acq: 13 May 2019 8:22

Instrument :
MSVOA_D
ClientSampleId :
FK-PS-01-048

Tot Ion: 98 Resp: 616580
Ion Ratio Lower Upper
98 100
100 68.2 53.8 80.8

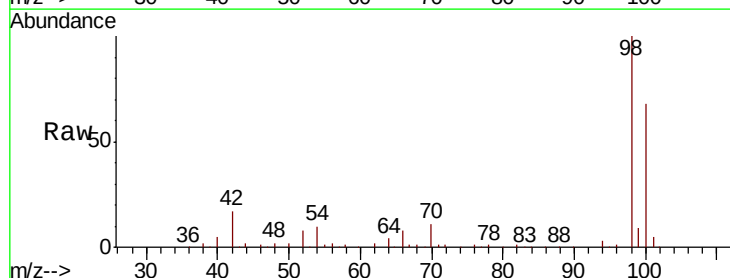


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

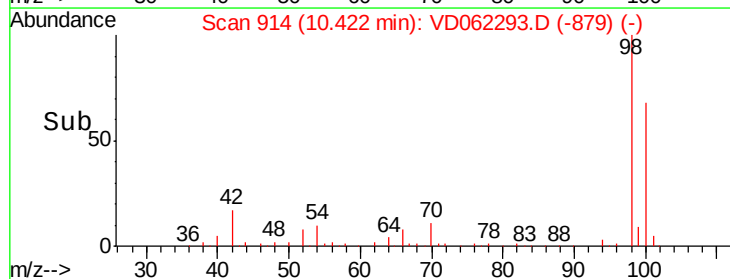
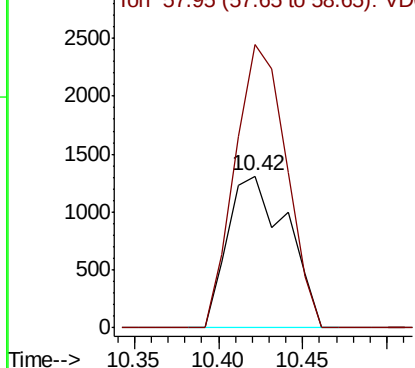


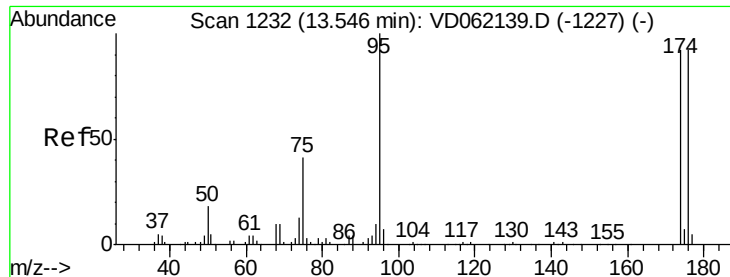
#51
4-Methyl-2-Pentanone
Concen: 1.328 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062293.D
Acq: 13 May 2019 8:22

Tgt Ion: 43 Resp: 3210
Ion Ratio Lower Upper
43 100
58 186.5 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: 40.159 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

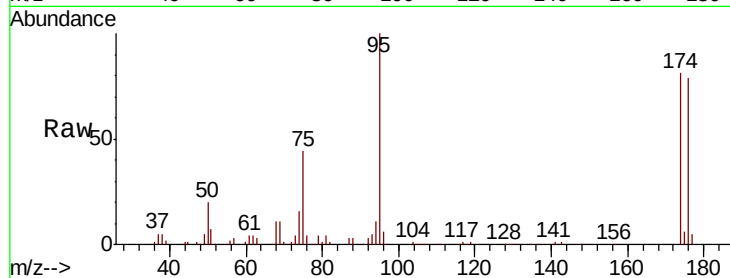
Tot Ion: 95 Resp: 246095

Ion Ratio Lower Upper

95 100

174 81.4 0.0 181.8

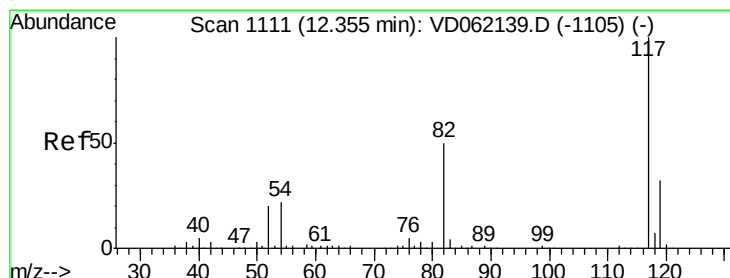
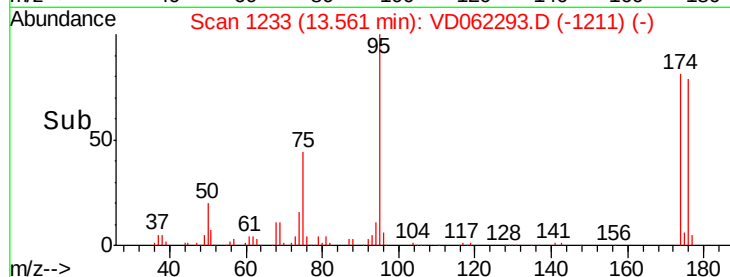
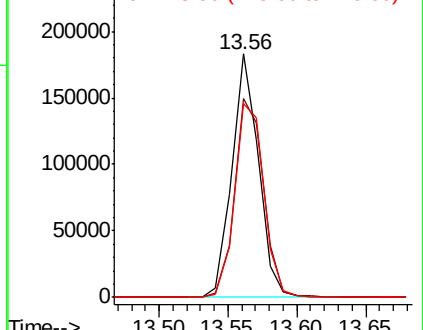
176 79.3 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.03 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

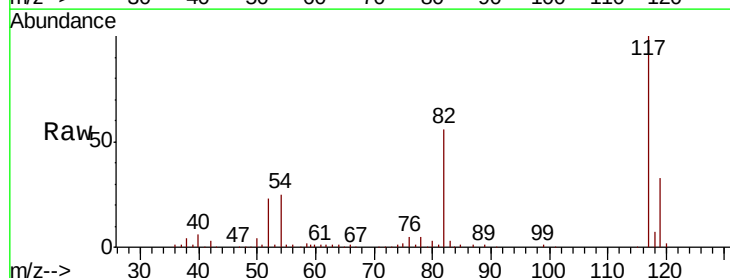
Tgt Ion: 117 Resp: 601988

Ion Ratio Lower Upper

117 100

82 55.9 36.2 54.2#

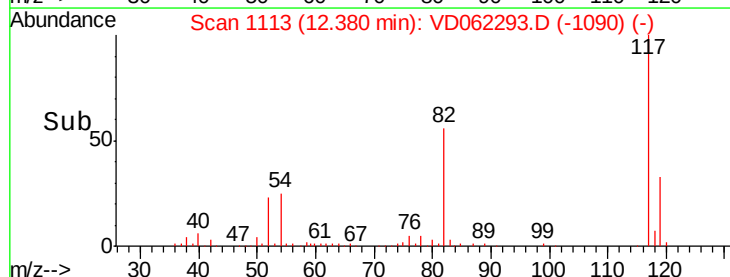
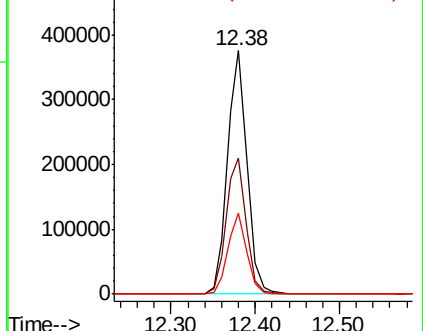
119 33.1 26.2 39.4

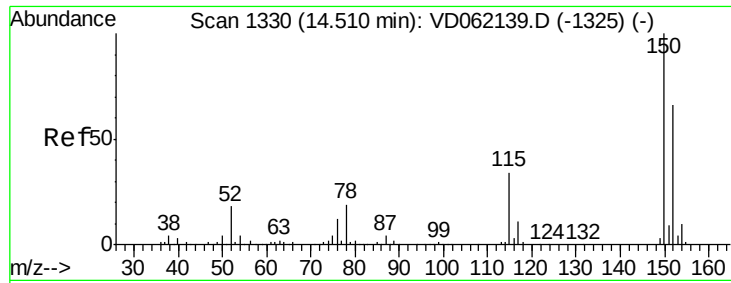


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.02 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

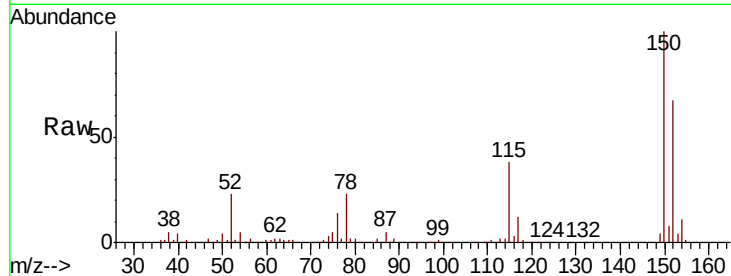
Tot Ion:152 Resp: 260651

Ion Ratio Lower Upper

152 100

115 56.2 30.9 92.7

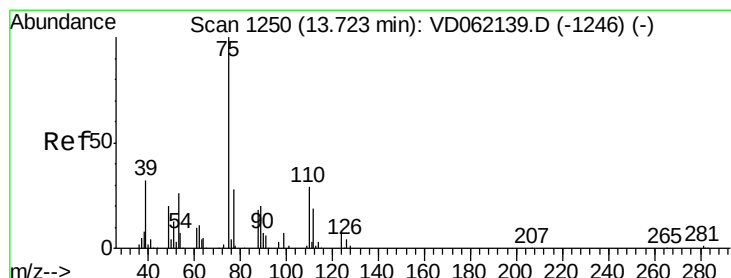
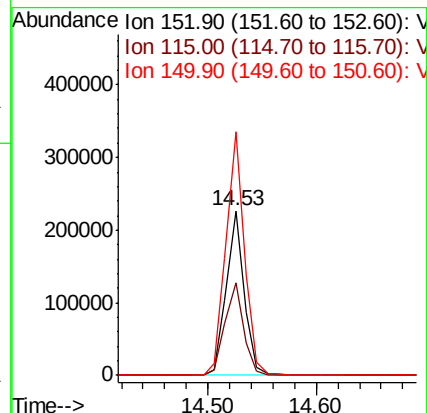
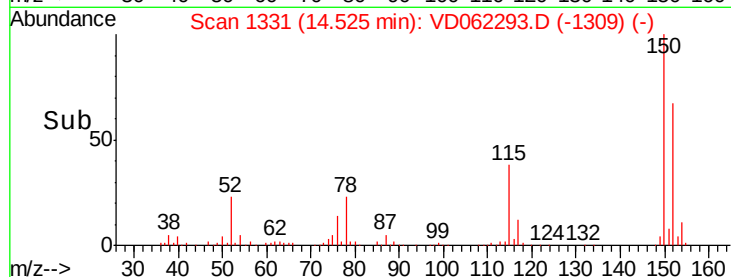
150 148.2 0.0 314.8



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: 34.894 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062293.D

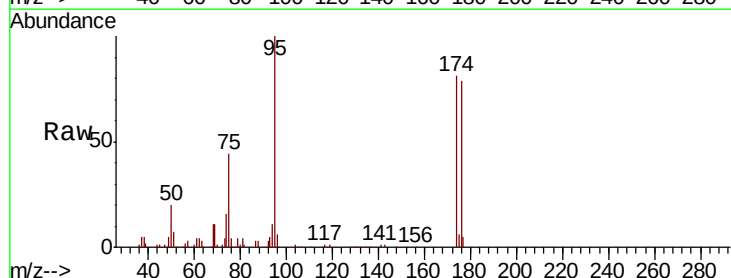
Acq: 13 May 2019 8:22

Tgt Ion: 75 Resp: 108089

Ion Ratio Lower Upper

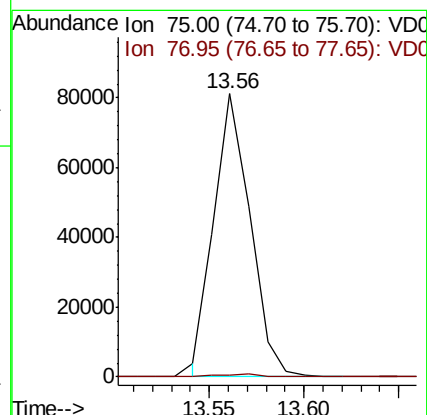
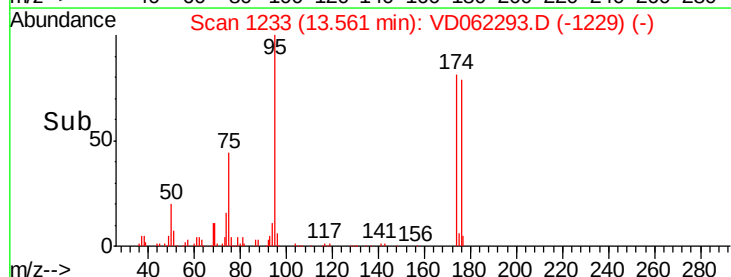
75 100

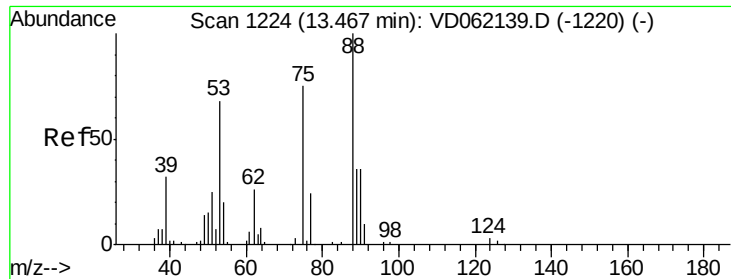
77 0.6 16.4 49.4#



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: 126.087 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062293.D

Acq: 13 May 2019 8:22

Instrument :

MSVOA_D

ClientSampleId :

FK-PS-01-048

Tot Ion: 75 Resp: 110260

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

