

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032319\
 Data File : VD061279.D
 Acq On : 23 Mar 2019 14:34
 Operator : VA/AP
 Sample : K2078-02
 Misc : 3.71g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-005-A

Quant Time: Mar 25 07:07:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	578727	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1013818	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	744884	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	279437	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	219753	45.62	ug/l	0.03
Spiked Amount			Recovery	=	91.24%	
35) Dibromofluoromethane	6.94	113	5295	0.70	ug/l	0.02
Spiked Amount			Recovery	=	1.40%	
50) Toluene-d8	10.42	98	751338	39.77	ug/l	0.03
Spiked Amount			Recovery	=	79.54%	
62) 4-Bromofluorobenzene	13.56	95	275865	37.63	ug/l	0.00
Spiked Amount			Recovery	=	75.26%	

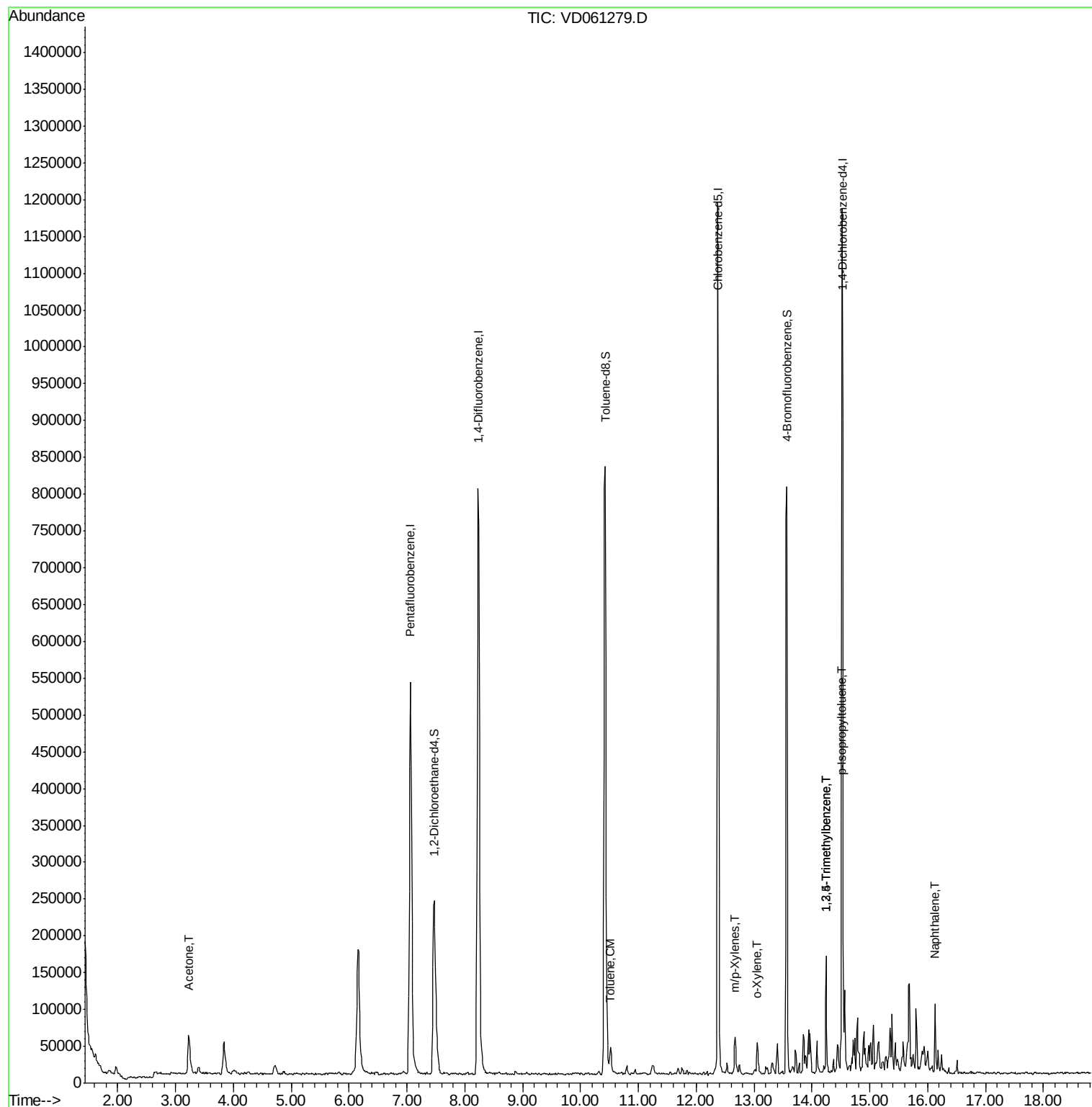
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.23	43	102532	74.432	ug/l	97
52) Toluene	10.52	92	21408	1.577	ug/l	98
68) m/p-Xylenes	12.67	106	16365	1.918	ug/l	99
69) o-Xylene	13.05	106	10563	1.259	ug/l	93
80) 1,3,5-Trimethylbenzene	14.24	105	70835	4.633	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	70835	4.633	ug/l	97
86) p-Isopropyltoluene	14.50	119	16882	1.011	ug/l	91
95) Naphthalene	16.12	128	61982	11.489	ug/l	99

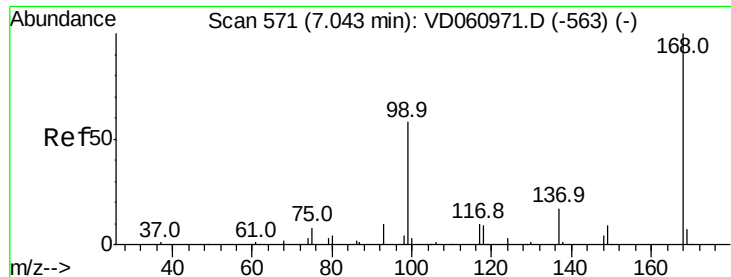
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032319\
Data File : VD061279.D
Acq On : 23 Mar 2019 14:34
Operator : VA/AP
Sample : K2078-02
Misc : 3.71g/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-005-A

Quant Time: Mar 25 07:07:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

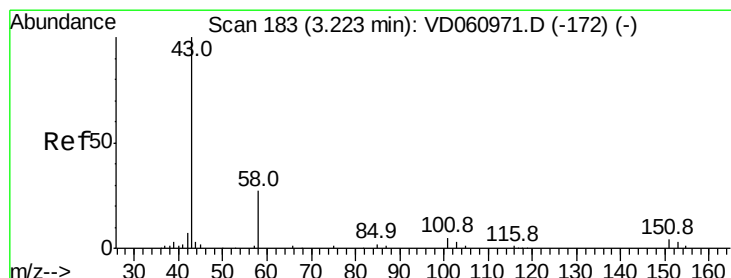
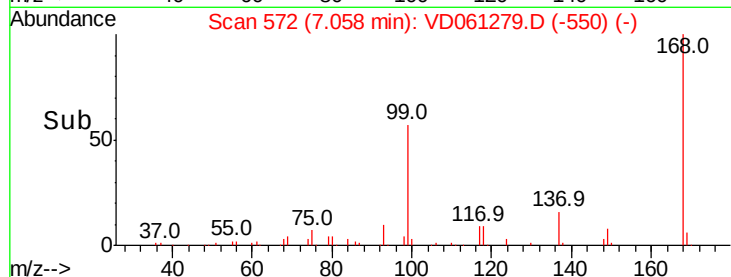
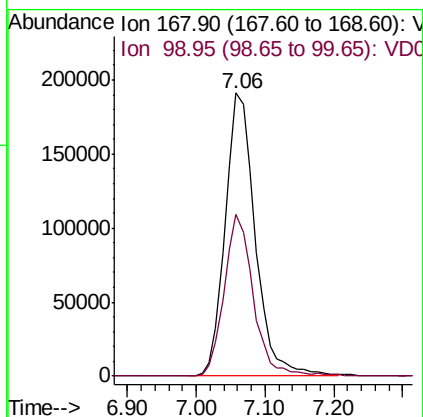
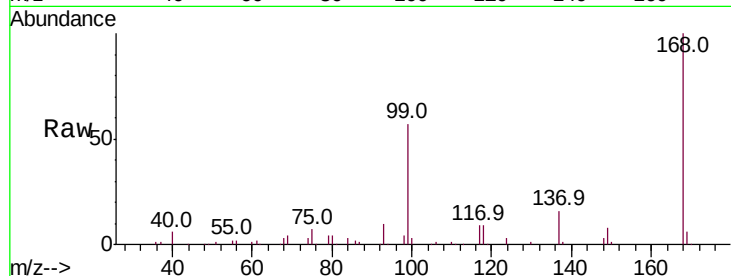




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.02 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

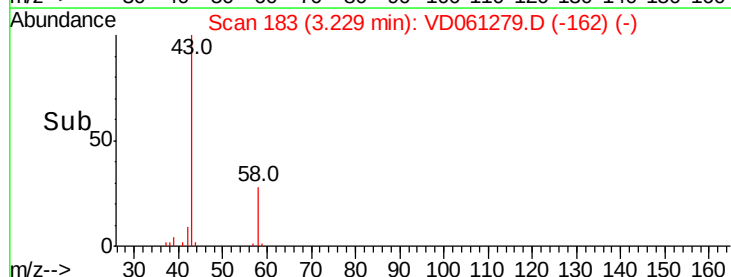
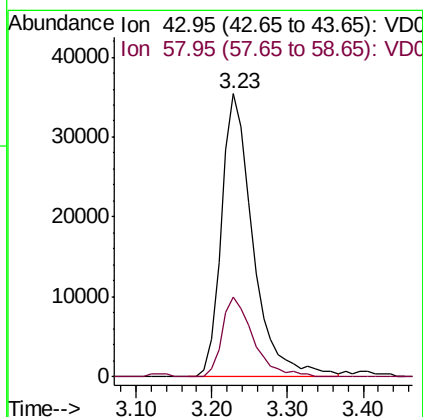
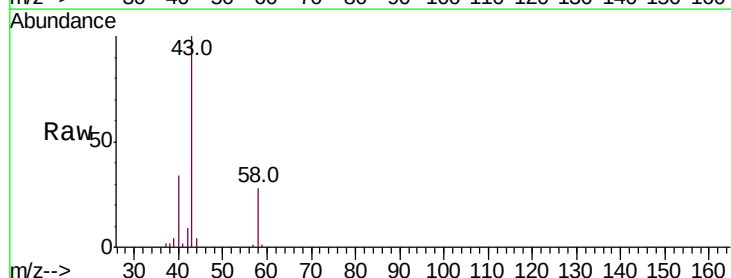
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-005-A

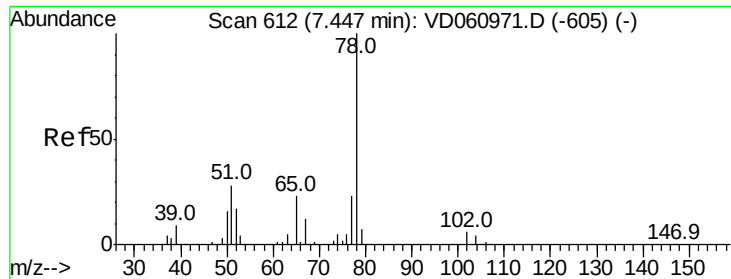
Tot Ion:168 Resp: 578727
Ion Ratio Lower Upper
168 100
99 57.2 47.3 70.9



#16
Acetone
Concen: 74.432 ug/l
RT: 3.23 min Scan# 183
Delta R.T. 0.01 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

Tgt Ion: 43 Resp: 102532
Ion Ratio Lower Upper
43 100
58 28.3 21.6 32.4





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061279.D

Acq: 23 Mar 2019 14:34

Instrument :

MSVOA_D

ClientSampleId :

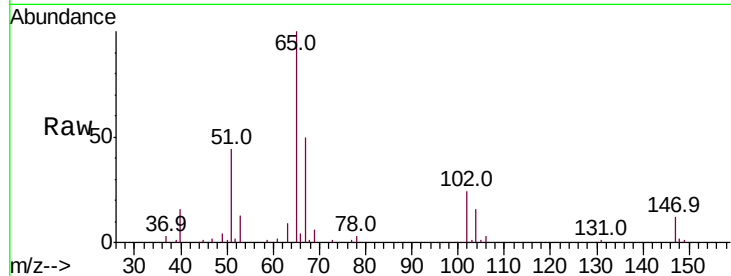
FK-SF-01-005-A

Tot Ion: 65 Resp: 219753

Ion Ratio Lower Upper

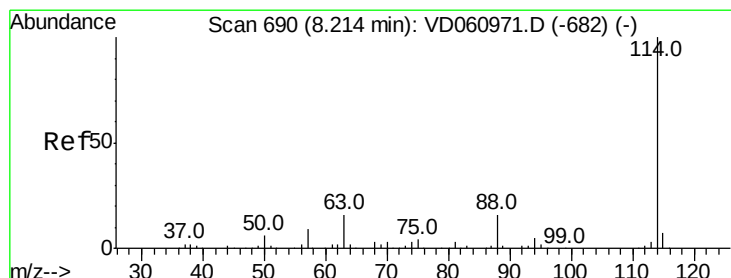
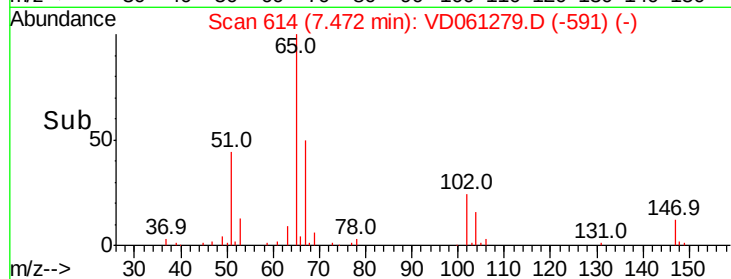
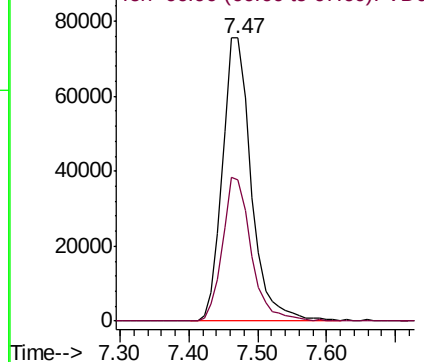
65 100

67 49.8 0.0 105.2



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. 0.02 min

Lab File: VD061279.D

Acq: 23 Mar 2019 14:34

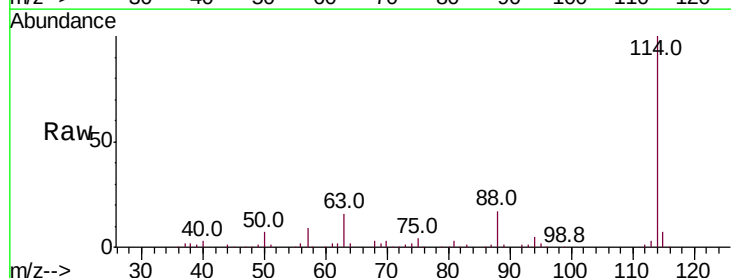
Tgt Ion: 114 Resp: 1013818

Ion Ratio Lower Upper

114 100

63 16.2 0.0 31.4

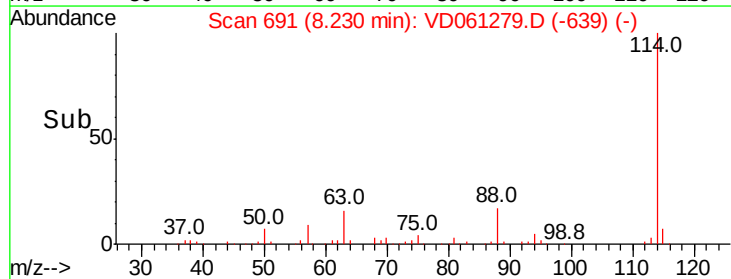
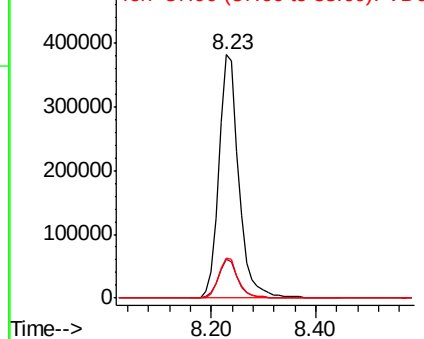
88 16.7 0.0 33.0

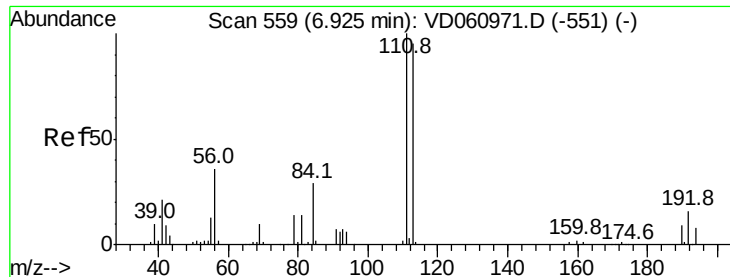


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD061279.D

Acq: 23 Mar 2019 14:34

Instrument :

MSVOA_D

ClientSampleId :

FK-SF-01-005-A

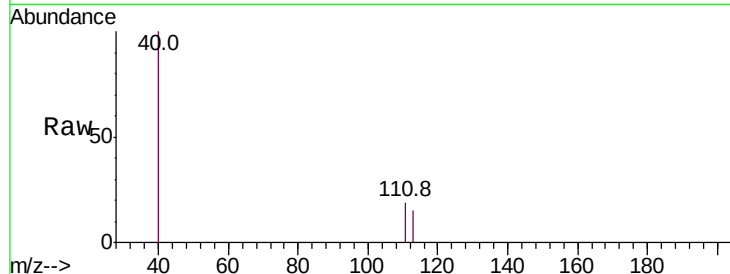
Tot Ion:113 Resp: 5295

Ion Ratio Lower Upper

113 100

111 127.4 84.2 126.4#

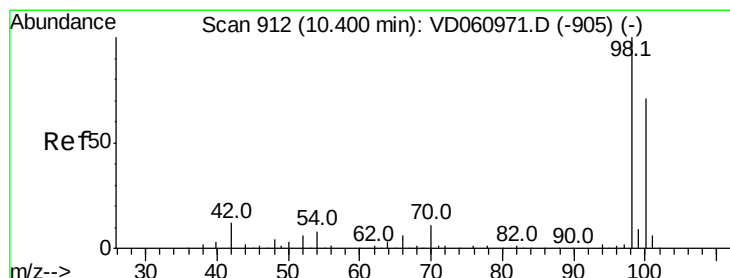
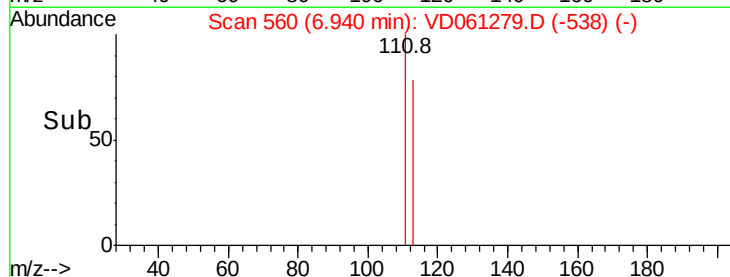
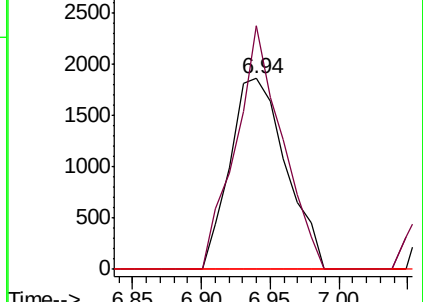
192 0.0 13.1 19.7#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.03 min

Lab File: VD061279.D

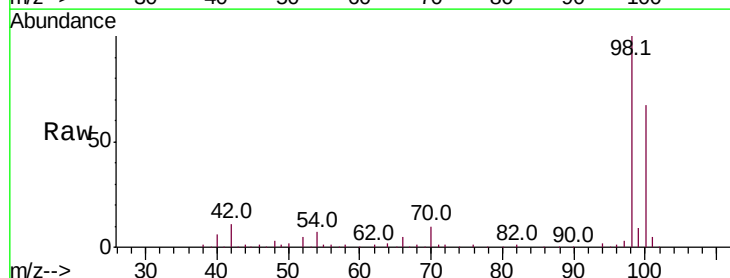
Acq: 23 Mar 2019 14:34

Tgt Ion: 98 Resp: 751338

Ion Ratio Lower Upper

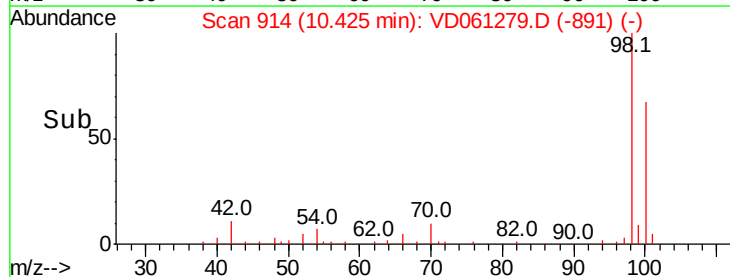
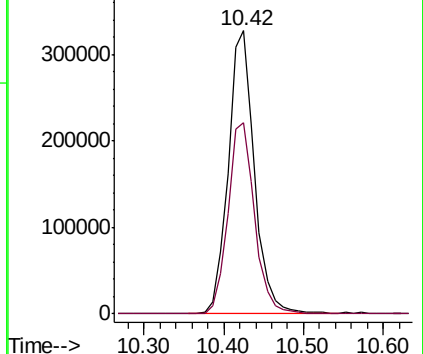
98 100

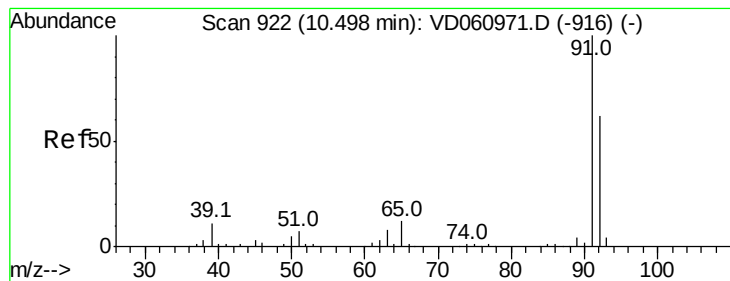
100 67.3 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 1.577 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.03 min

Lab File: VD061279.D

Acq: 23 Mar 2019 14:34

Instrument :

MSVOA_D

ClientSampleId :

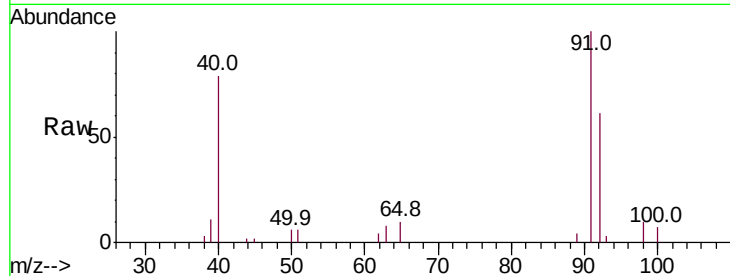
FK-SF-01-005-A

Tot Ion: 92 Resp: 21408

Ion Ratio Lower Upper

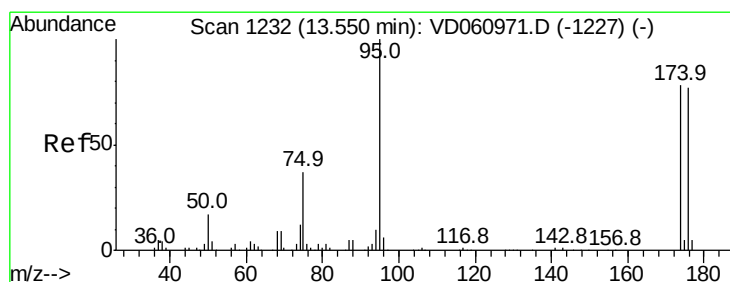
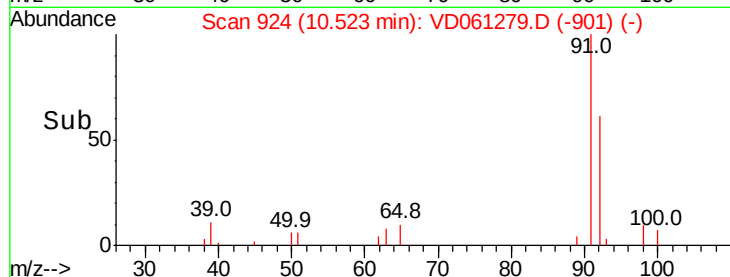
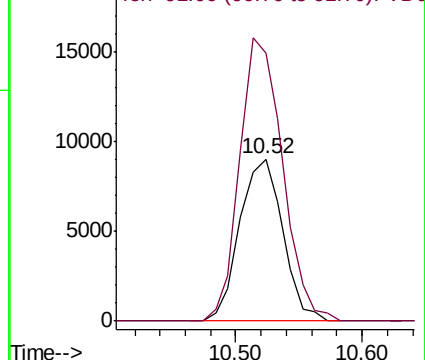
92 100

91 164.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061279.D

Acq: 23 Mar 2019 14:34

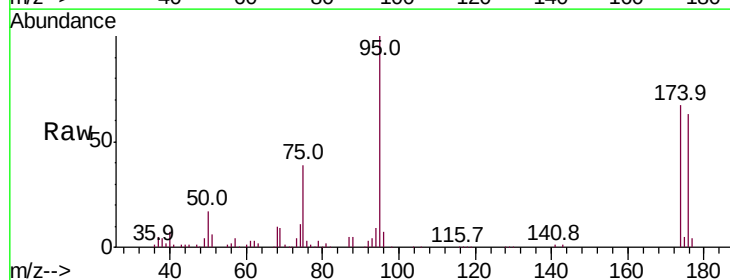
Tgt Ion: 95 Resp: 275865

Ion Ratio Lower Upper

95 100

174 67.1 0.0 155.6

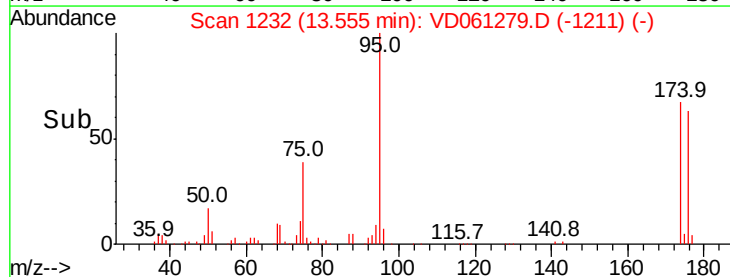
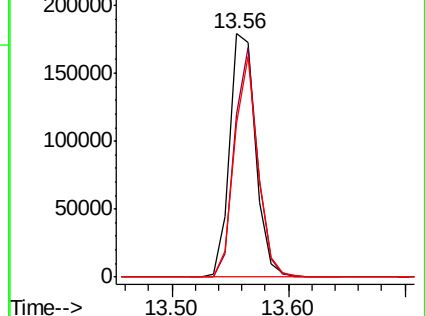
176 63.5 0.0 153.8

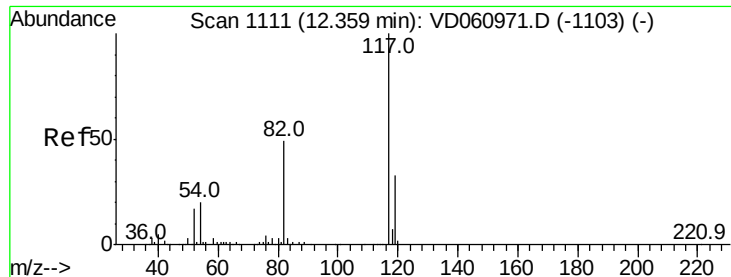


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

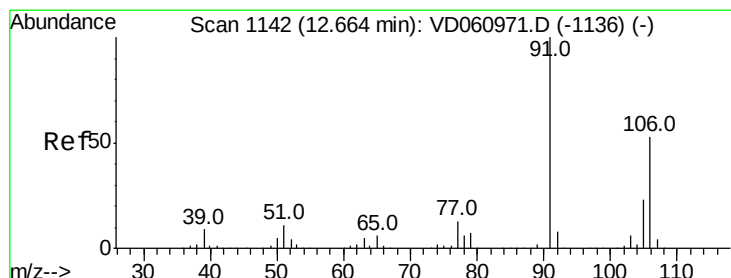
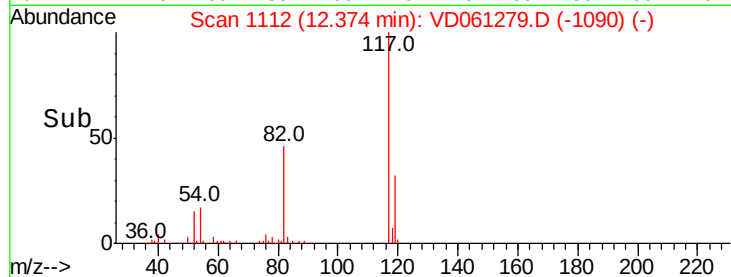
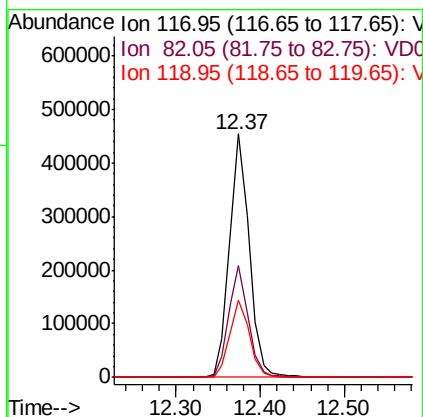
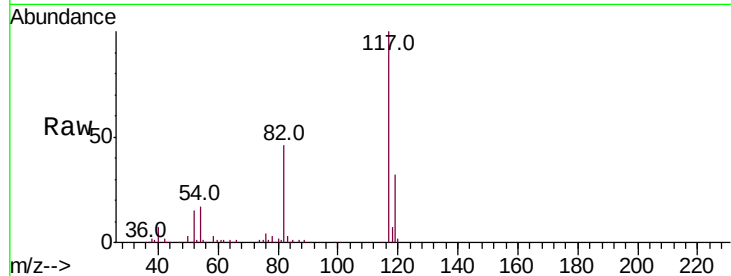




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

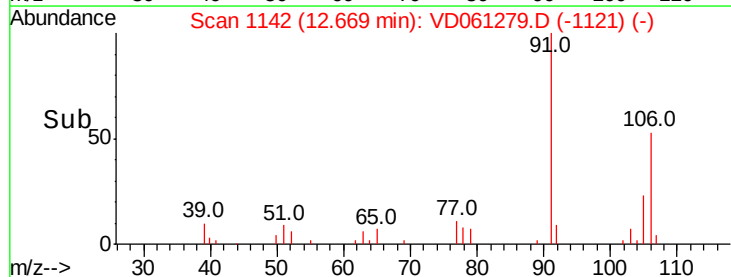
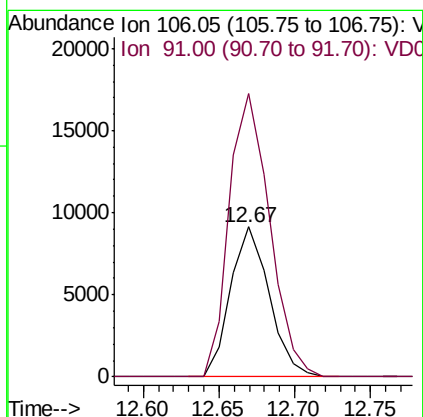
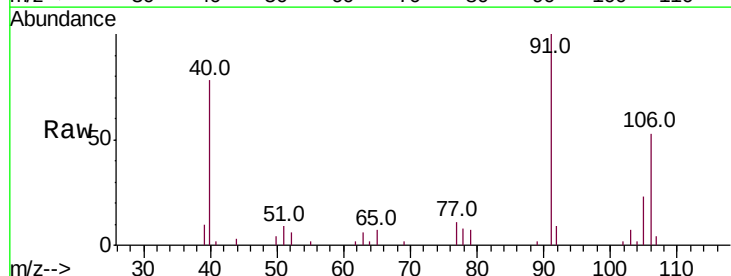
Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-005-A

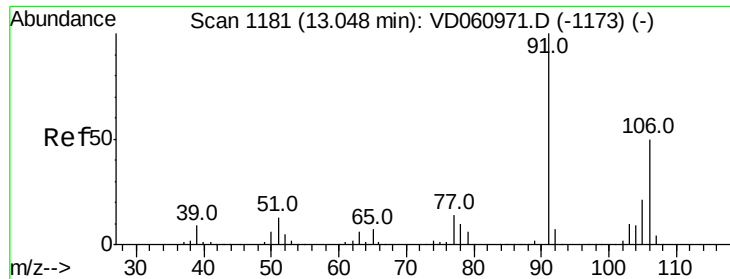
Tot Ion:117 Resp: 744884
Ion Ratio Lower Upper
117 100
82 45.7 38.9 58.3
119 31.5 26.6 39.8



#68
m/p-Xylenes
Concen: 1.918 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

Tgt Ion:106 Resp: 16365
Ion Ratio Lower Upper
106 100
91 188.9 152.0 228.0

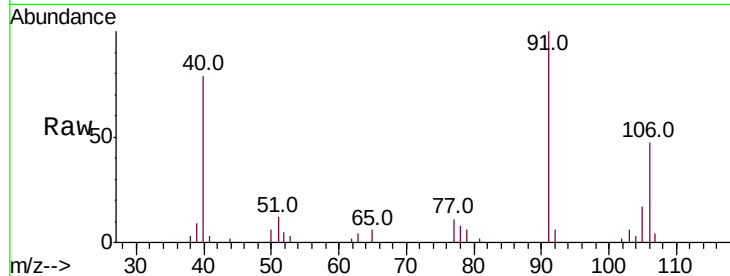




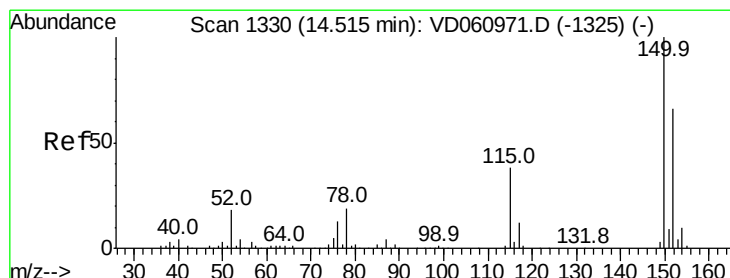
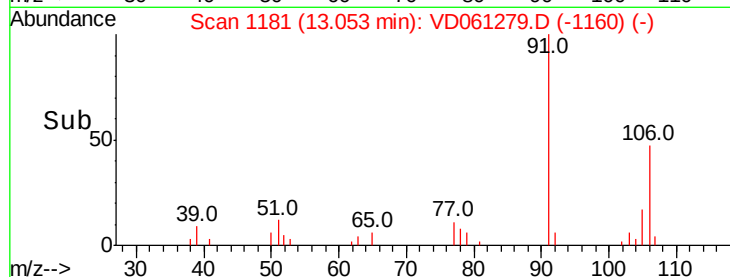
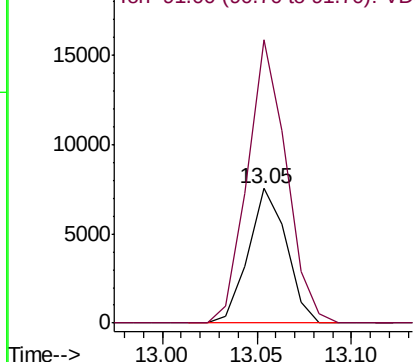
#69
o-Xylene
Concen: 1.259 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-005-A

Tot Ion:106 Resp: 10563
Ion Ratio Lower Upper
106 100
91 210.6 99.8 299.3

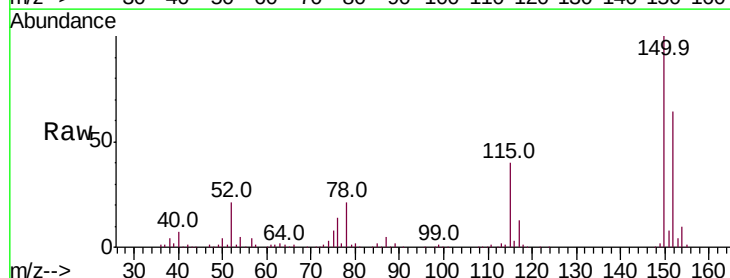


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

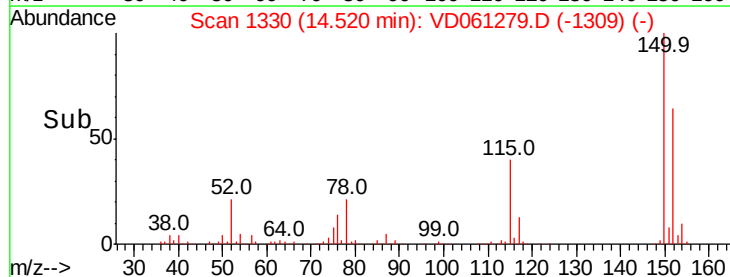
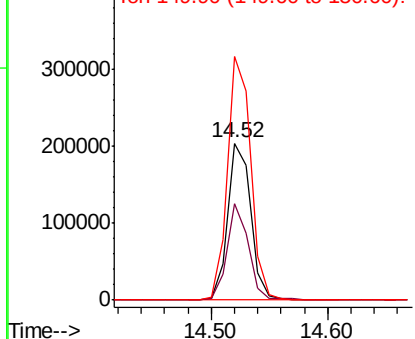


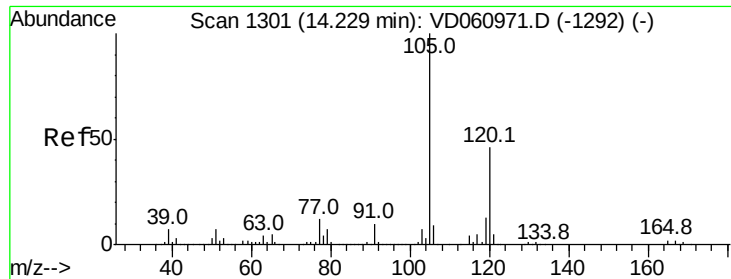
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

Tgt Ion:152 Resp: 279437
Ion Ratio Lower Upper
152 100
115 61.7 28.6 85.9
150 155.4 0.0 310.6



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

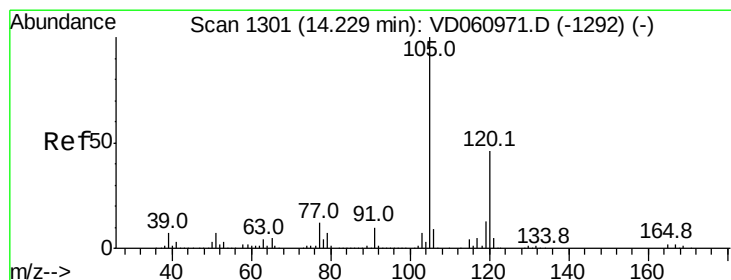
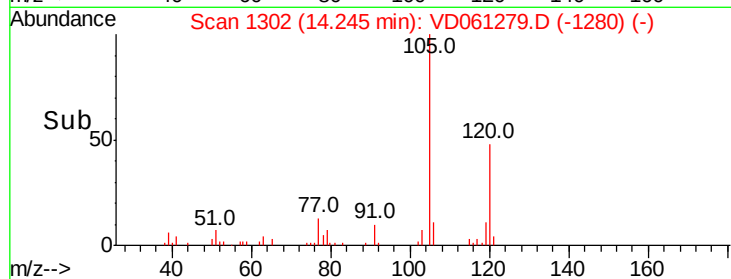
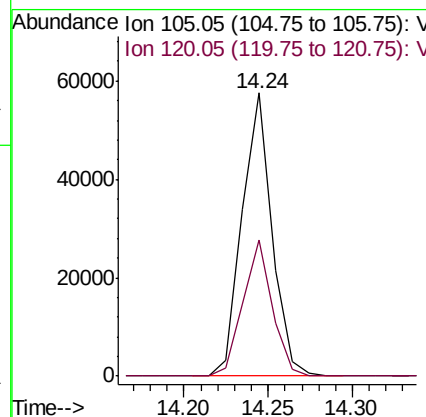
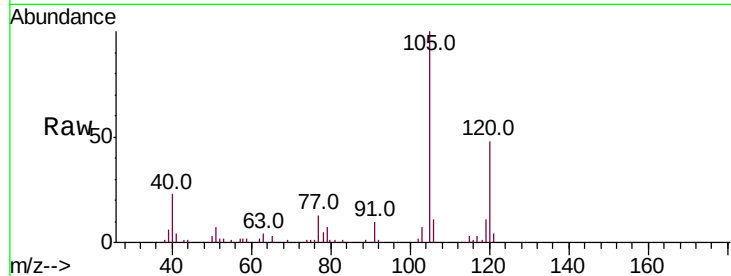




#80
 1,3,5-Trimethylbenzene
 Concen: 4.633 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD061279.D
 Acq: 23 Mar 2019 14:34

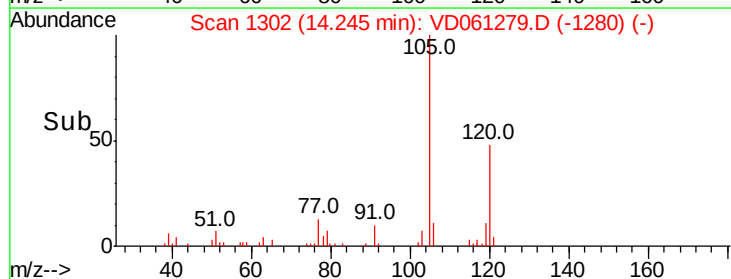
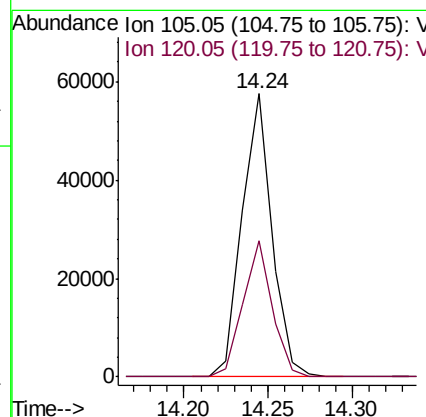
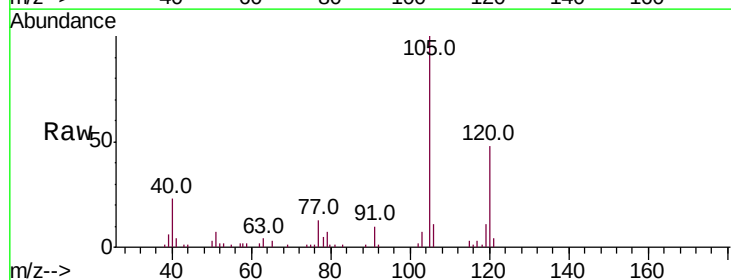
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-SF-01-005-A

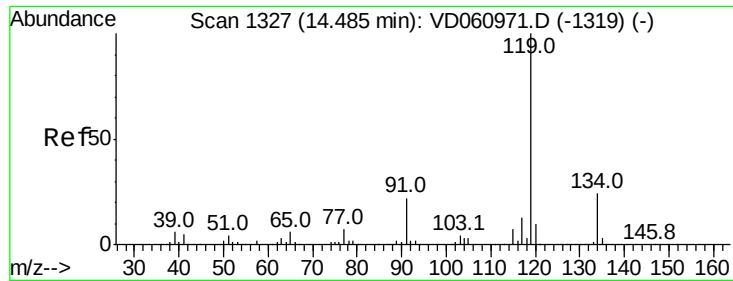
Tot Ion:105 Resp: 70835
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.9 68.5



#84
 1,2,4-Trimethylbenzene
 Concen: 4.633 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.02 min
 Lab File: VD061279.D
 Acq: 23 Mar 2019 14:34

Tgt Ion:105 Resp: 70835
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.9 68.5

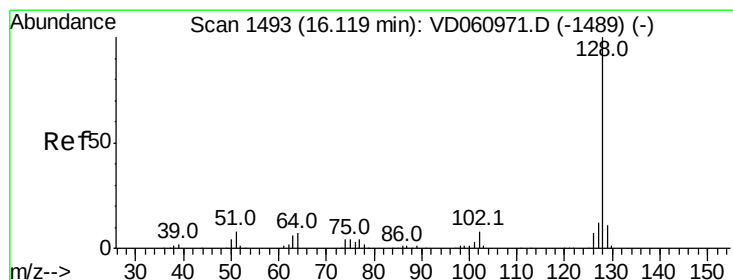
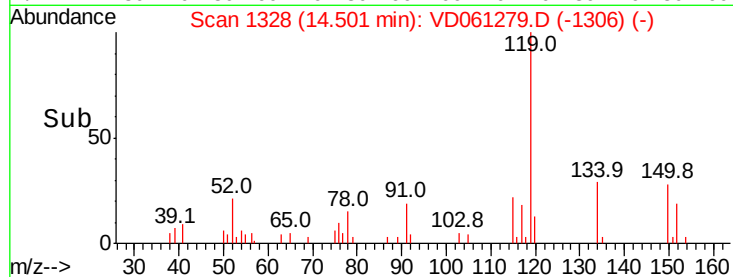
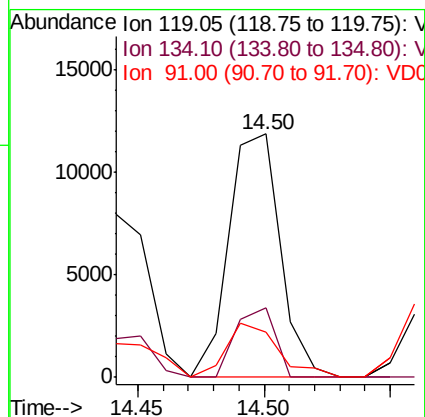
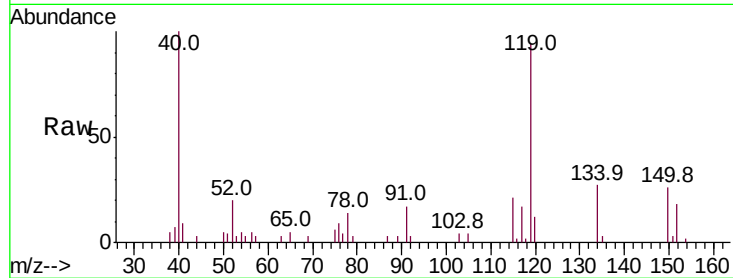




#86
p-Isopropyltoluene
Concen: 1.011 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. 0.02 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-01-005-A

Tot Ion:119 Resp: 16882
Ion Ratio Lower Upper
119 100
134 28.6 12.0 36.1
91 18.5 11.2 33.6



#95
Naphthalene
Concen: 11.489 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061279.D
Acq: 23 Mar 2019 14:34

Tgt Ion:128 Resp: 61982
Ion Ratio Lower Upper
128 100
127 11.9 9.8 14.8
129 10.6 8.5 12.7

