

Data File : VL034824.D
Acq On : 6 Mar 2020 21:12
Operator : SY/AP
Sample : L1698-03DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-6-4DL2

Quant Time: Mar 07 03:18:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 06:36:39 2020
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	864315	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	1946831	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.12	117	1901483	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1503310	9.48	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

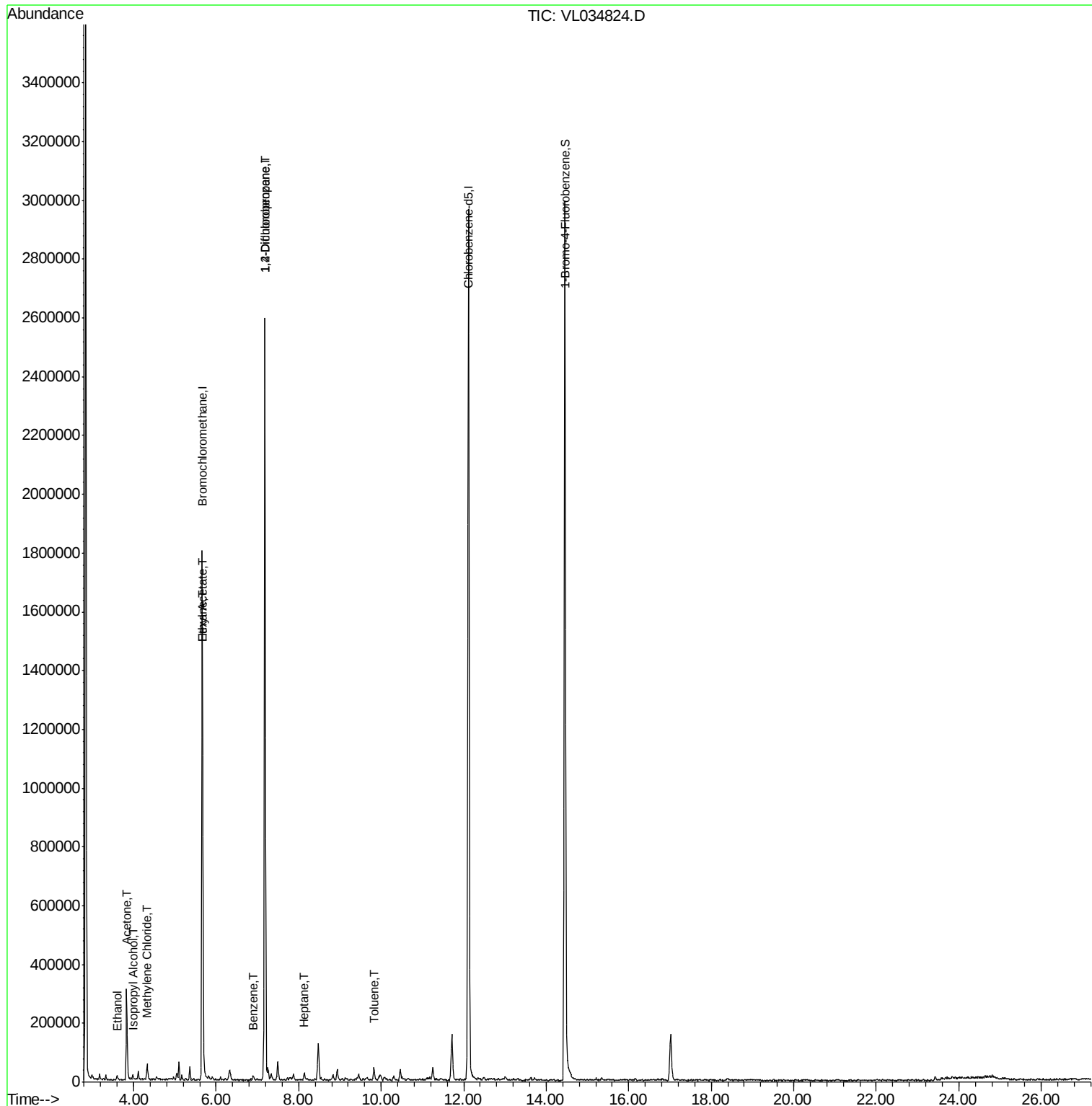
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Heptane	8.13	43	6069	0.062	ppbv #	27
13) Ethanol	3.60	45	13408	1.010	ppbv	95
15) Acetone	3.83	43	314700	3.041	ppbv	99
19) Isopropyl Alcohol	3.97	45	9350	0.151	ppbv #	93
20) Methylene Chloride	4.32	84	16581	0.449	ppbv #	82
25) Ethyl Acetate	5.68	43	20709	0.116	ppbv #	77
26) Hexane	5.68	57	27157	0.348	ppbv #	44
36) Benzene	6.89	78	5435	0.033	ppbv #	86
39) 1,2-Dichloropropane	7.18	63	492886	7.342	ppbv #	23
53) Toluene	9.82	91	15368	0.087	ppbv #	21

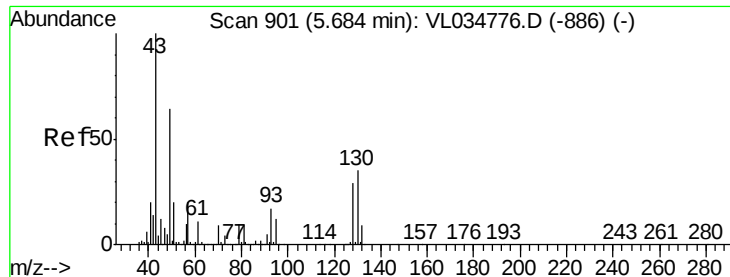
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

SS-6-4DL2

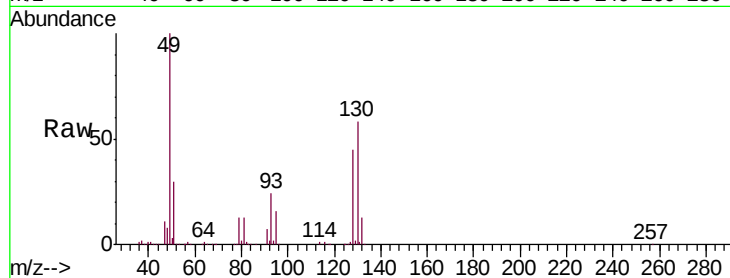
Tgt Ion: 49 Resp: 864315

Ion Ratio Lower Upper

49 100

128 46.1 21.6 64.6

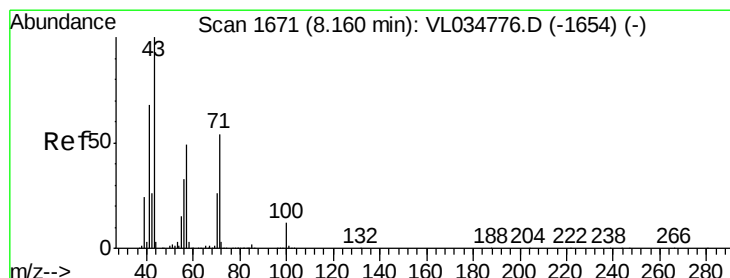
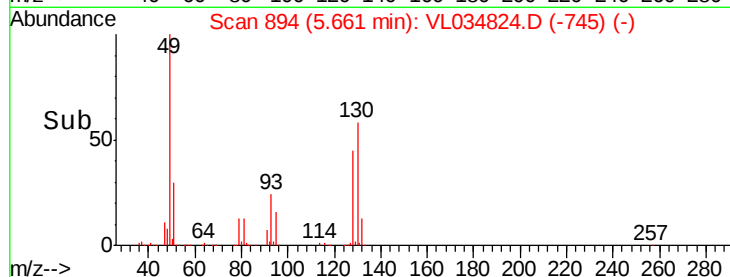
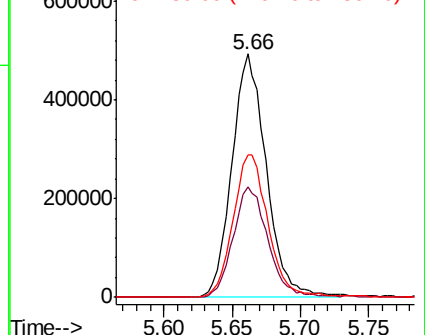
130 59.9 27.4 82.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#10

Heptane

Concen: 0.062 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.03 min

Lab File: VL034824.D

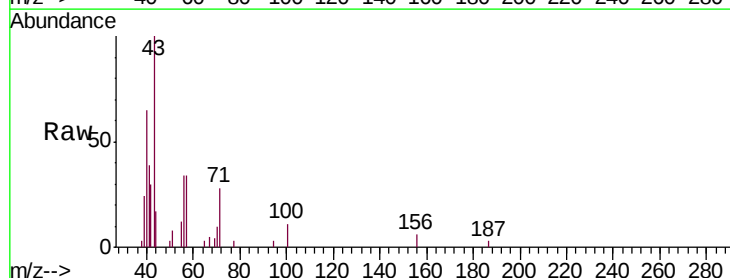
Acq: 6 Mar 2020 21:12

Tgt Ion: 43 Resp: 6069

Ion Ratio Lower Upper

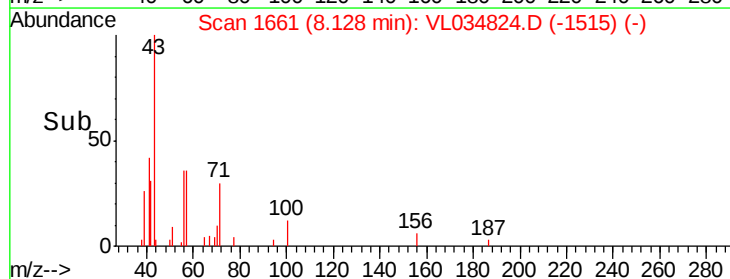
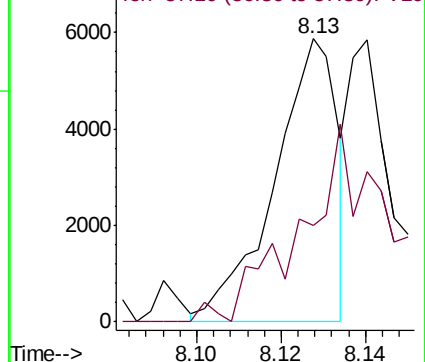
43 100

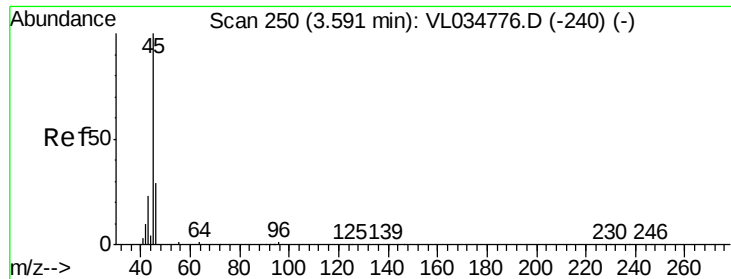
57 0.0 40.5 60.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

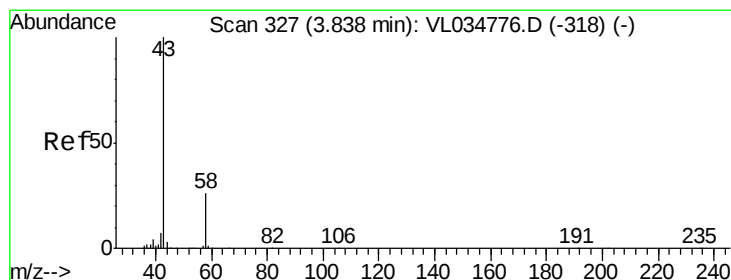
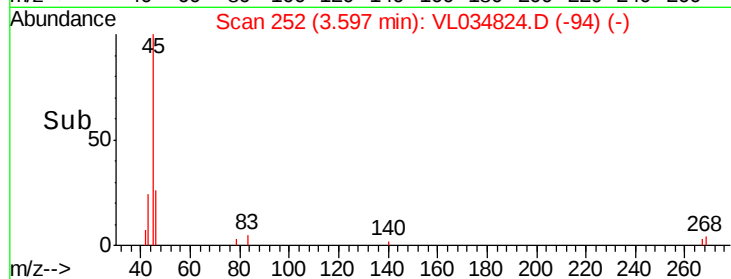
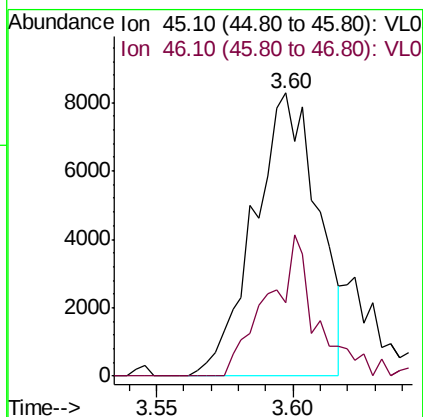
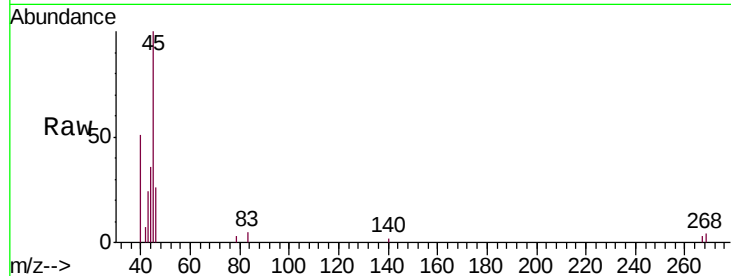




#13
Ethanol
Concen: 1.010 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034824.D
Acq: 6 Mar 2020 21:12

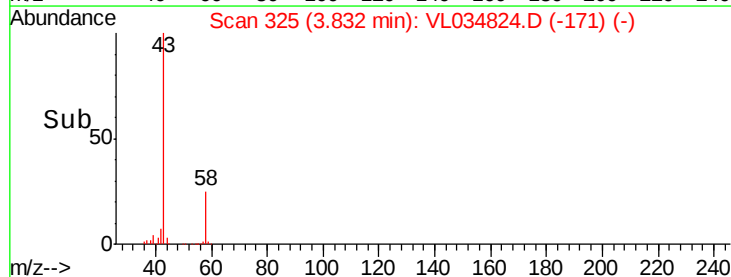
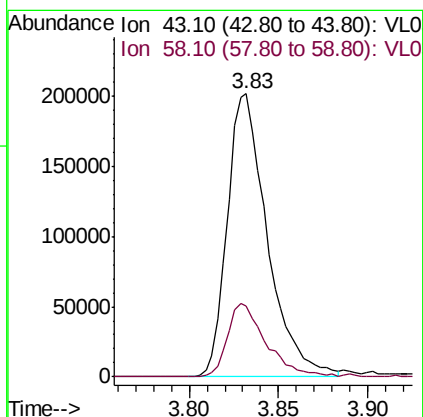
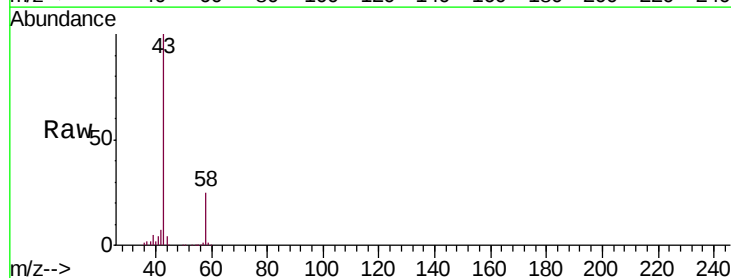
Instrument :
MSVOA_L
ClientSampleId :
SS-6-4DL2

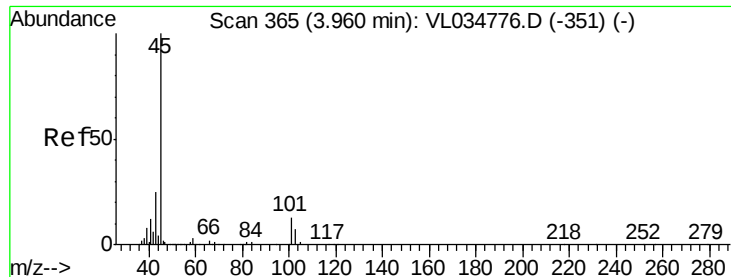
Tgt Ion: 45 Resp: 13408
Ion Ratio Lower Upper
45 100
46 39.8 14.7 58.9



#15
Acetone
Concen: 3.041 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL034824.D
Acq: 6 Mar 2020 21:12

Tgt Ion: 43 Resp: 314700
Ion Ratio Lower Upper
43 100
58 25.8 21.0 31.6





#19

Isopropyl Alcohol

Concen: 0.151 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL034824.D

Acq: 6 Mar 2020 21:12

Instrument :

MSVOA_L

ClientSampleId :

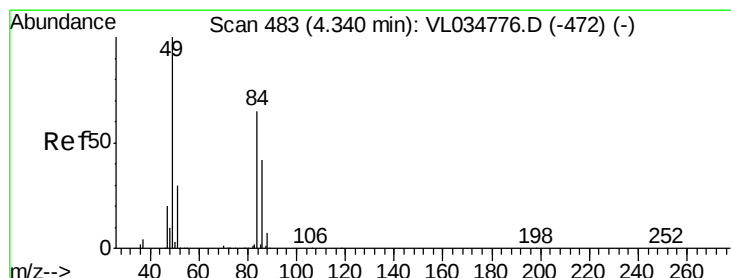
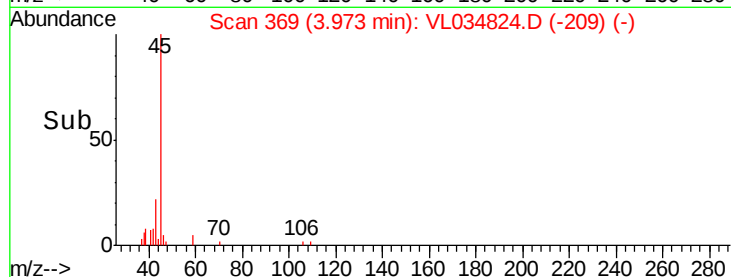
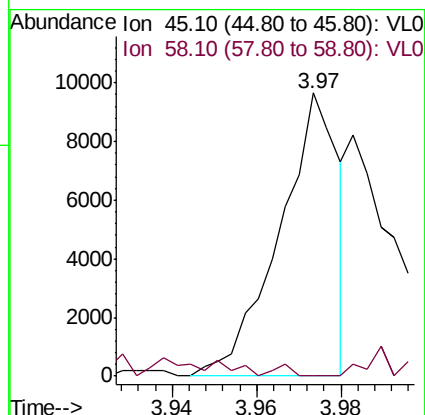
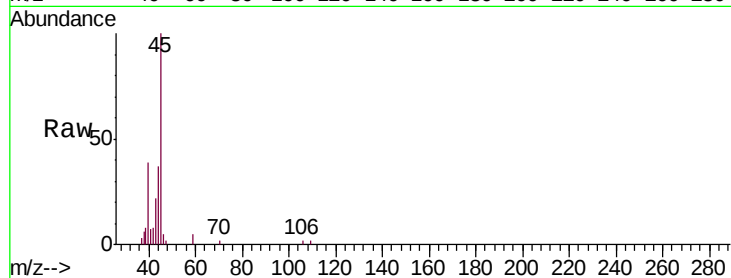
SS-6-4DL2

Tgt Ion: 45 Resp: 9350

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



#20

Methylene Chloride

Concen: 0.449 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL034824.D

Acq: 6 Mar 2020 21:12

Tgt Ion: 84 Resp: 16581

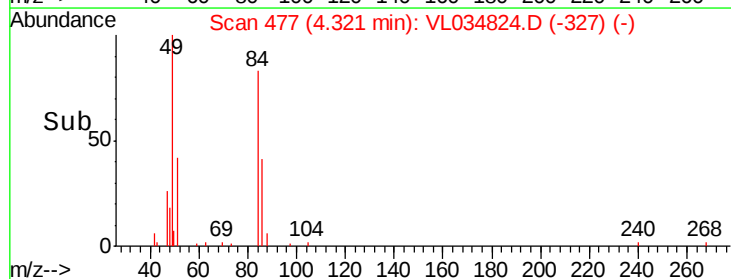
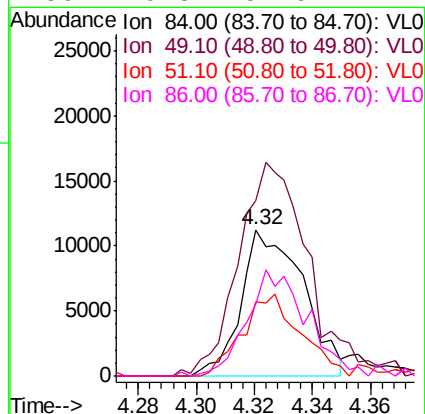
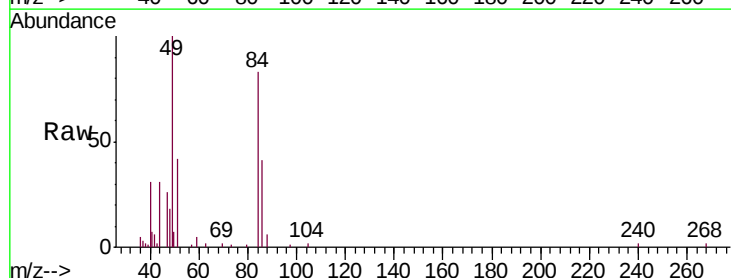
Ion Ratio Lower Upper

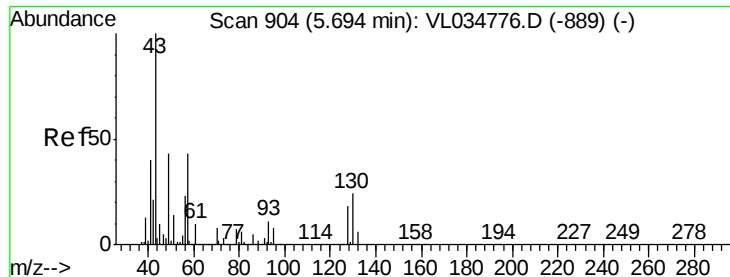
84 100

49 126.6 123.2 184.8

51 50.5 37.4 56.2

86 49.3 51.6 77.4#

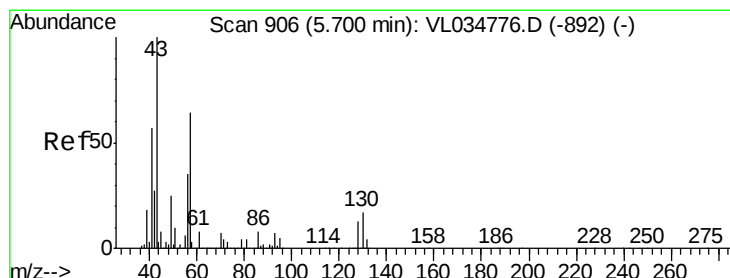
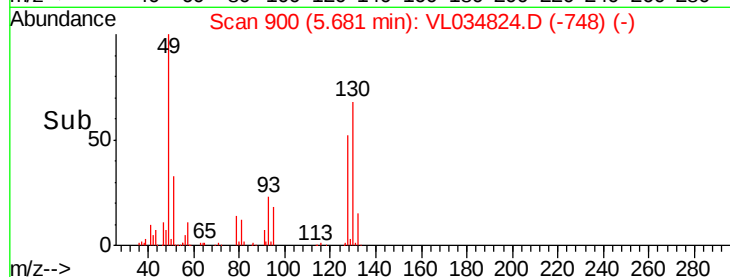
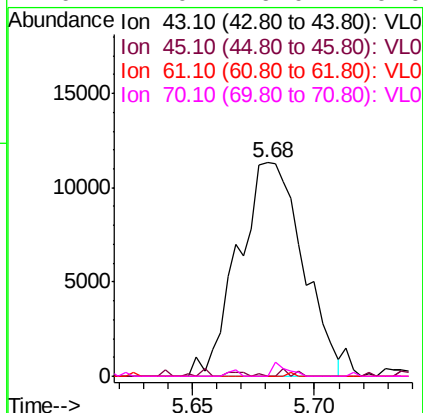
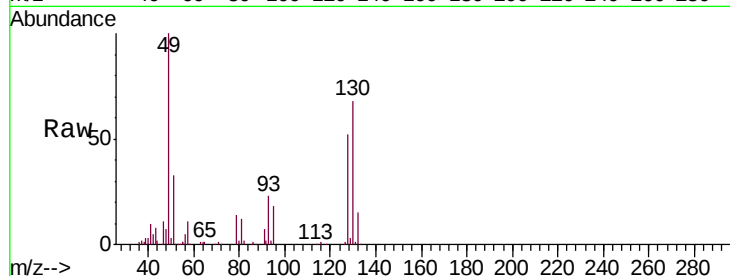




#25
Ethyl Acetate
Concen: 0.116 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL034824.D
Acq: 6 Mar 2020 21:12

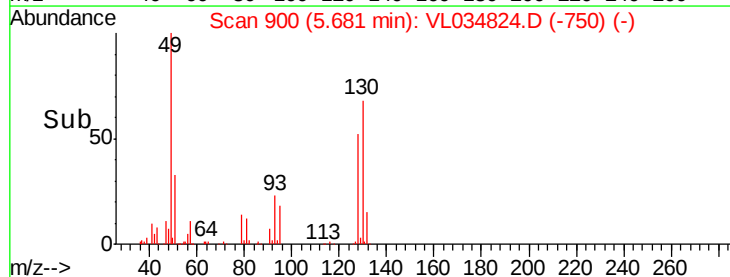
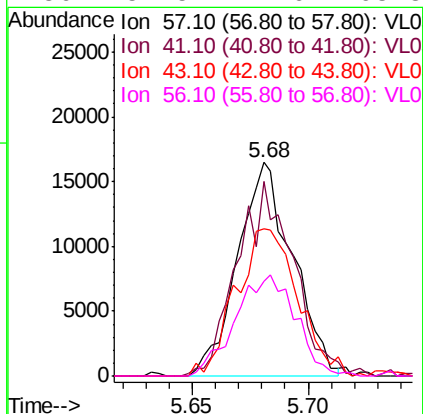
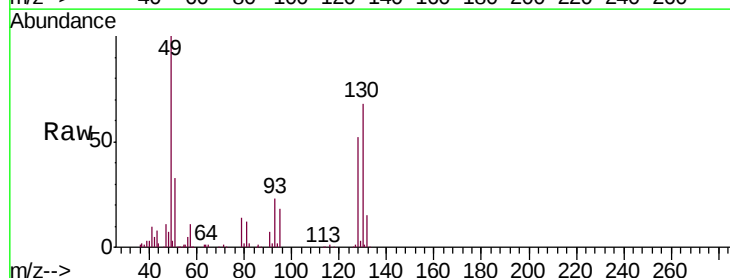
Instrument :
MSVOA_L
ClientSampleId :
SS-6-4DL2

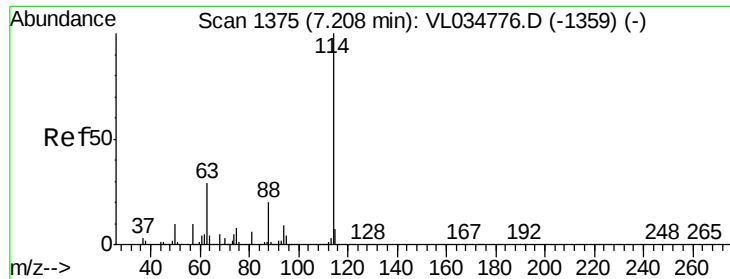
Tgt Ion:	43	Resp:	20709
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.2	12.4#
61	0.0	7.5	11.3#
70	2.0	6.0	9.0#



#26
Hexane
Concen: 0.348 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL034824.D
Acq: 6 Mar 2020 21:12

Tgt Ion:	57	Resp:	27157
Ion	Ratio	Lower	Upper
57	100		
41	93.6	72.0	108.0
43	78.7	179.1	268.7#
56	52.5	42.6	63.8

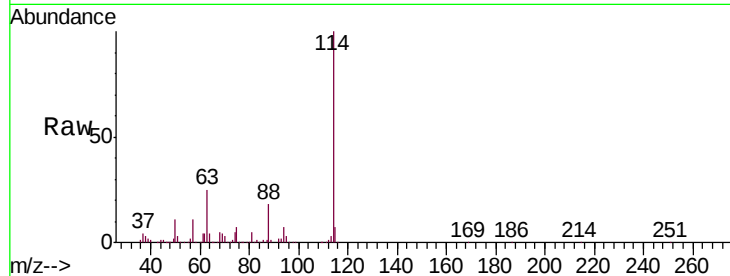




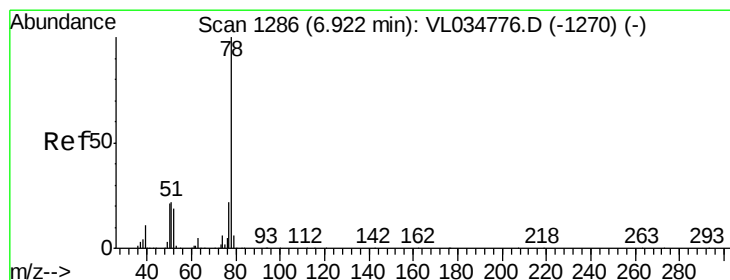
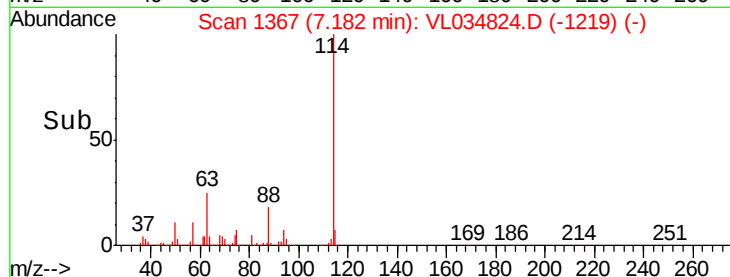
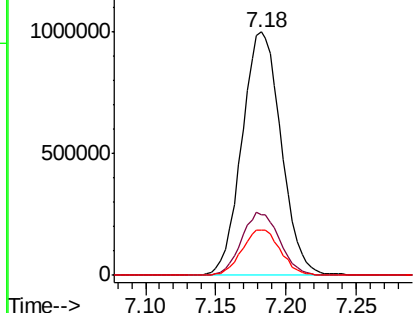
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.03 min
 Lab File: VL034824.D
 Acq: 6 Mar 2020 21:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-6-4DL2

Tgt Ion: 114 Resp: 1946831
 Ion Ratio Lower Upper
 114 100
 63 25.5 23.6 35.4
 88 18.4 15.8 23.8

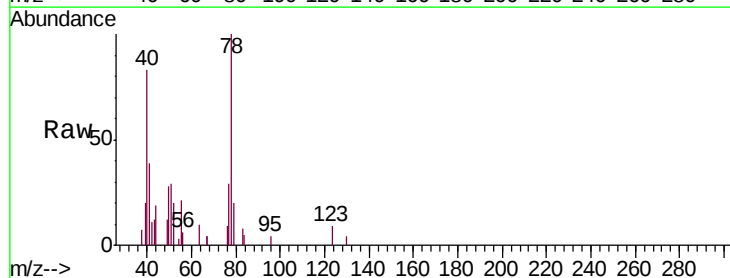


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

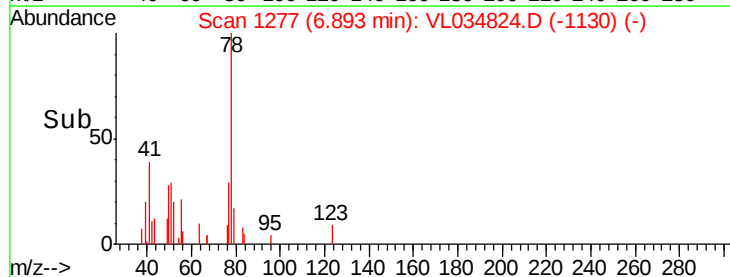
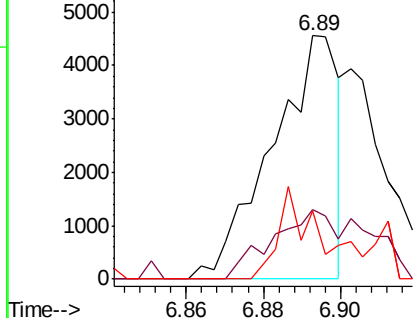


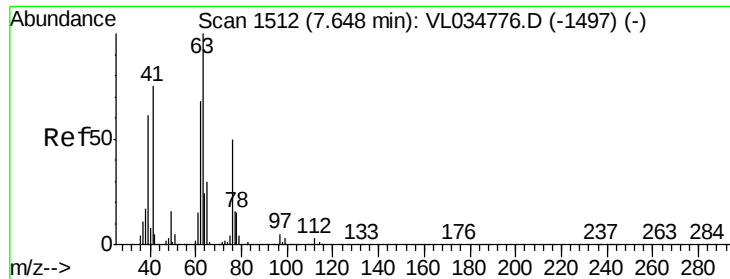
#36
 Benzene
 Concen: 0.033 ppbv
 RT: 6.89 min Scan# 1277
 Delta R.T. -0.03 min
 Lab File: VL034824.D
 Acq: 6 Mar 2020 21:12

Tgt Ion: 78 Resp: 5435
 Ion Ratio Lower Upper
 78 100
 77 28.7 18.0 27.0#
 50 28.0 16.9 25.3#



Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0

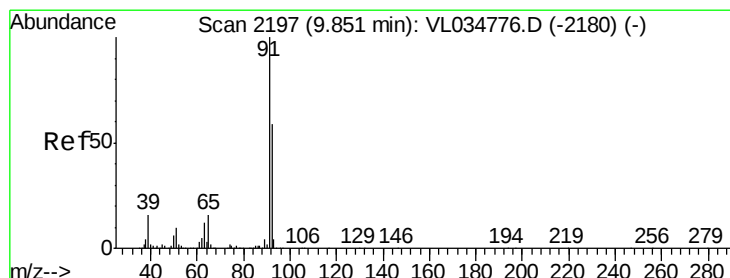
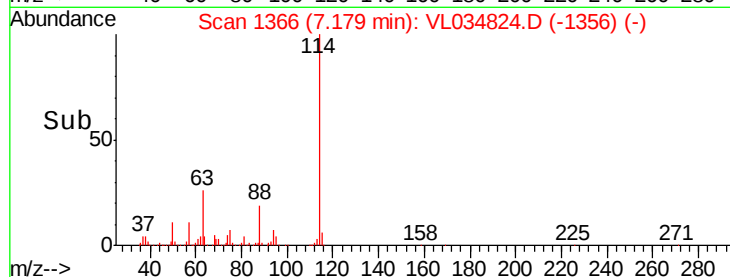
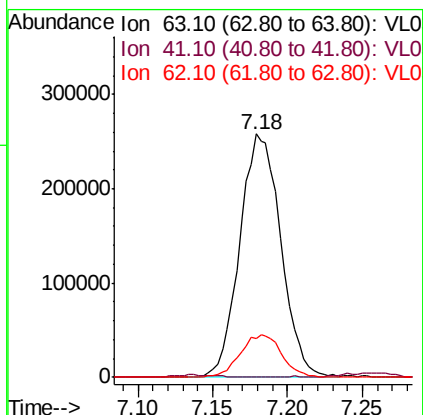
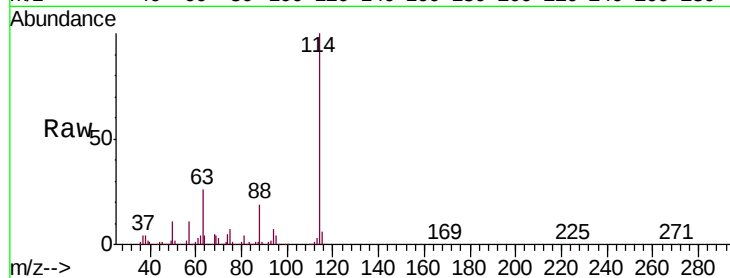




#39
 1,2-Dichloropropane
 Concen: 7.342 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.47 min
 Lab File: VL034824.D
 Acq: 6 Mar 2020 21:12

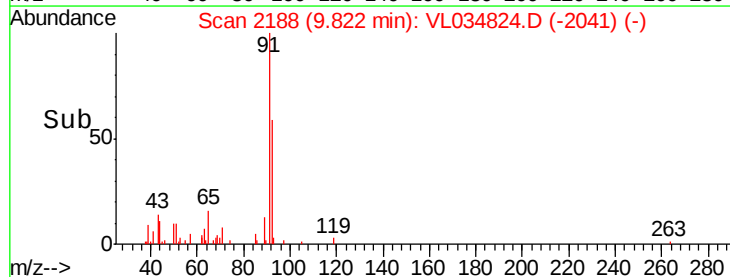
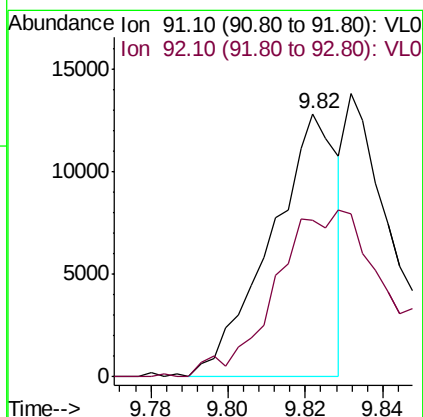
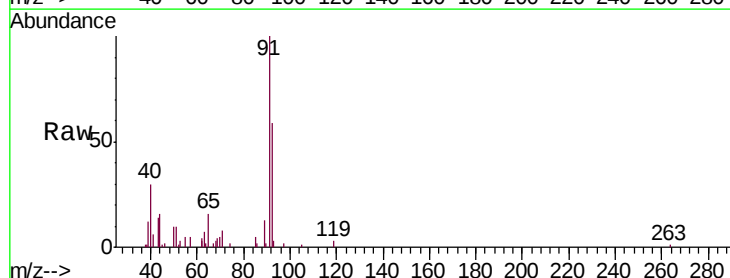
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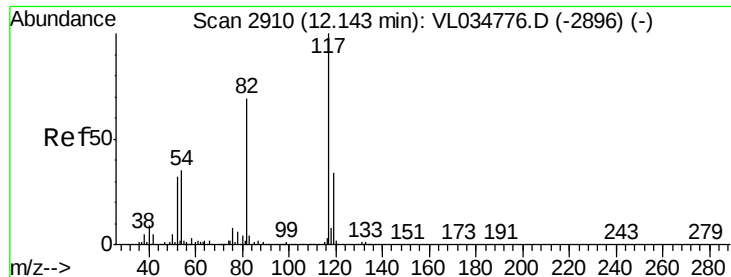
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.3	90.5#
62	15.9	54.5	81.7#



#53
 Toluene
 Concen: 0.087 ppbv
 RT: 9.82 min Scan# 2188
 Delta R.T. -0.03 min
 Lab File: VL034824.D
 Acq: 6 Mar 2020 21:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.2	72.2#

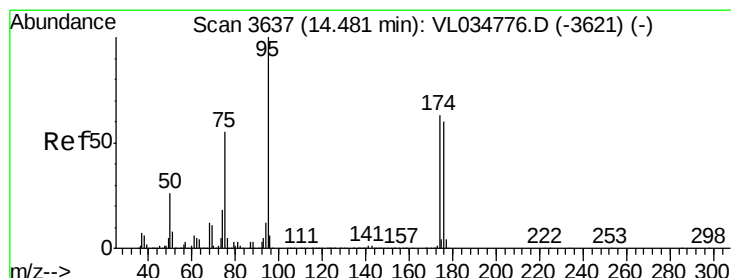
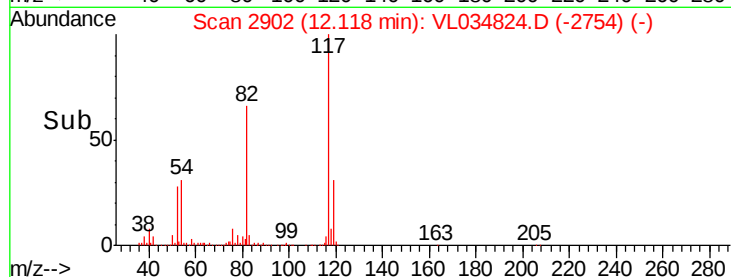
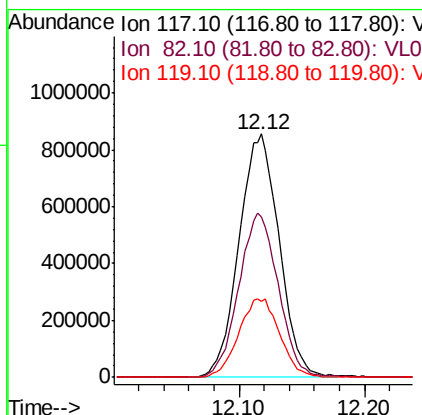
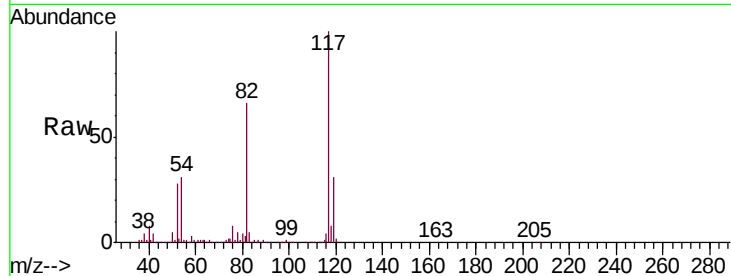




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL034824.D
Acq: 6 Mar 2020 21:12

Instrument :
MSVOA_L
ClientSampleId :
SS-6-4DL2

Tgt Ion: 117 Resp: 1901483
Ion Ratio Lower Upper
117 100
82 66.9 53.9 80.9
119 33.2 25.0 37.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.481 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.03 min
Lab File: VL034824.D
Acq: 6 Mar 2020 21:12

Tgt Ion: 95 Resp: 1503310
Ion Ratio Lower Upper
95 100
174 69.5 50.6 76.0
175 5.4 3.8 5.6

