

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
 Data File : VL034469.D
 Acq On : 9 Dec 2019 18:06
 Operator : SY/AP
 Sample : K6195-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1DL

Quant Time: Dec 10 03:40:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	965207	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.20	114	1900049	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1908655	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1626854	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

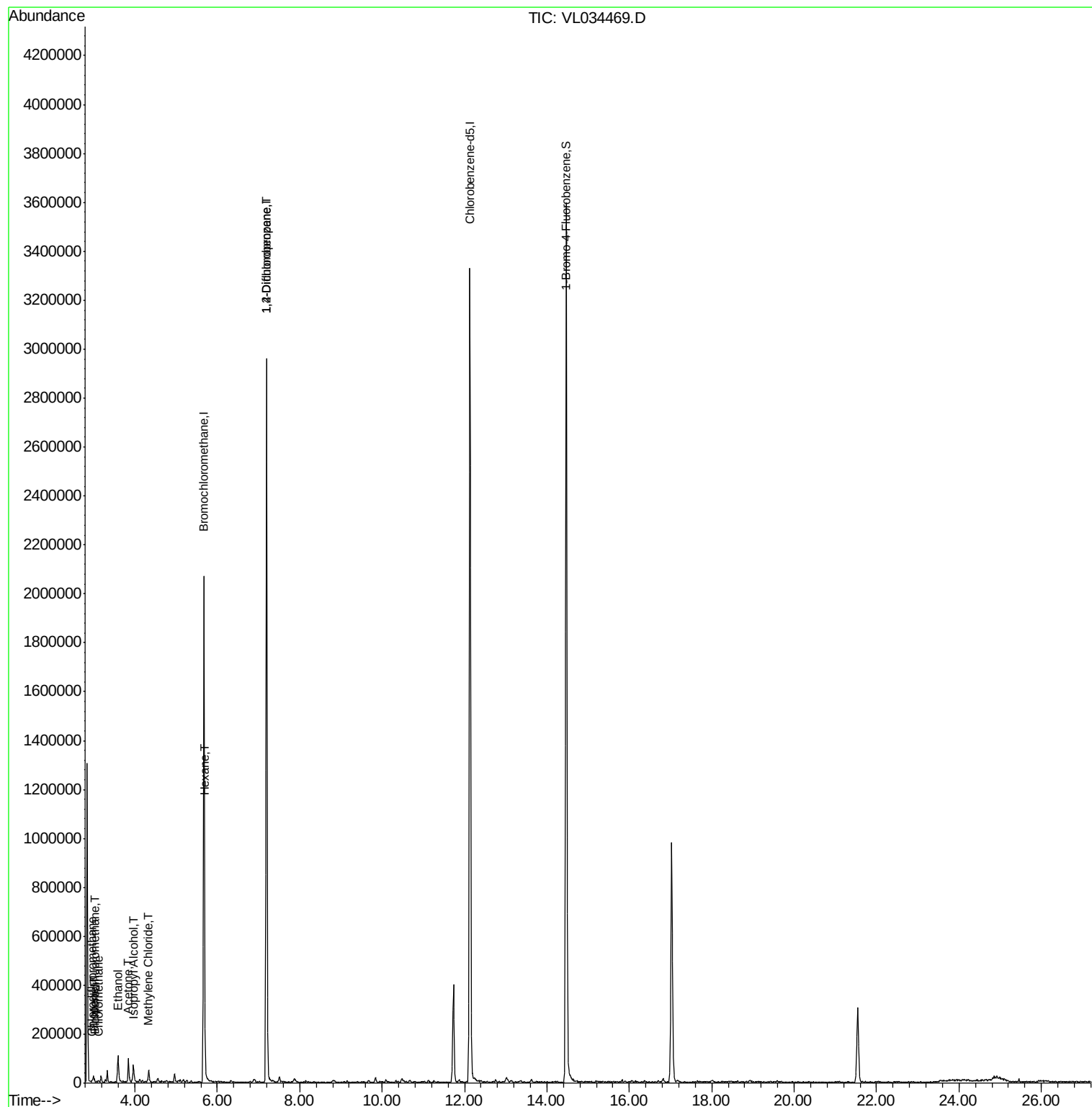
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.02	85	5665	0.032	ppbv #	63
3) Chlorodifluoromethane	2.95	51	4411	0.037	ppbv #	87
4) Chloromethane	3.11	50	2331	0.033	ppbv #	68
9) Propene	2.99	41	3713	0.069	ppbv #	16
13) Ethanol	3.58	45	118835	7.979	ppbv	90
15) Acetone	3.84	43	90638	0.656	ppbv	99
19) Isopropyl Alcohol	3.96	45	71165	0.803	ppbv #	94
20) Methylene Chloride	4.34	84	14818	0.302	ppbv #	86
26) Hexane	5.70	57	12523	0.118	ppbv #	39
39) 1,2-Dichloropropane	7.19	63	560791	7.664	ppbv #	24

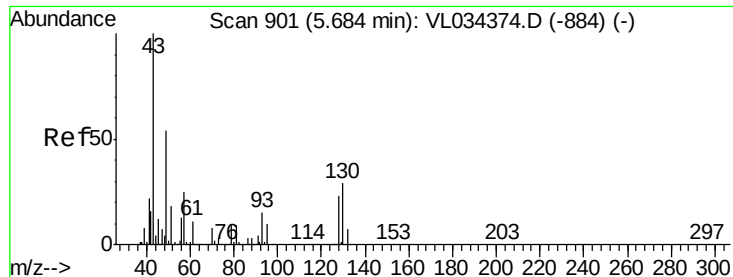
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
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QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL034469.D

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Instrument :

MSVOA_L

ClientSampleId :

NS-1DL

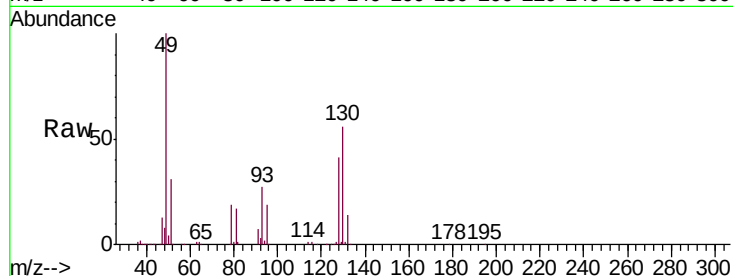
Tgt Ion: 49 Resp: 965207

Ion Ratio Lower Upper

49 100

128 43.4 21.8 65.3

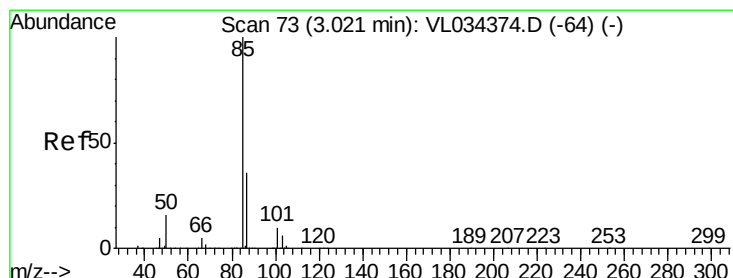
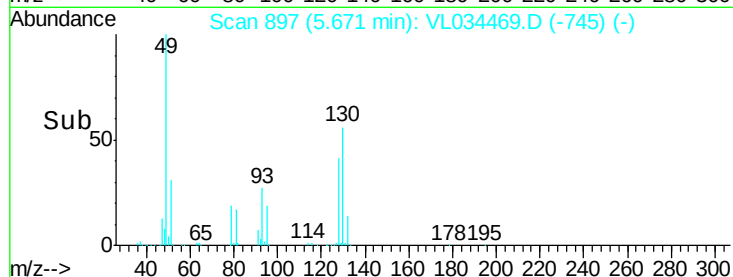
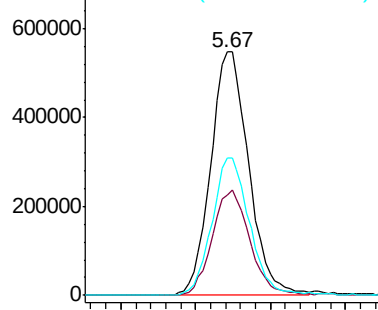
130 56.6 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.032 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL034469.D

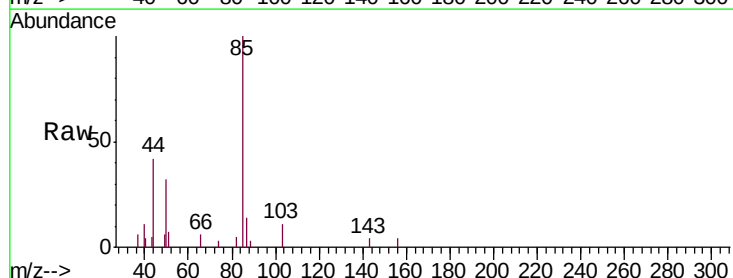
Acq: 9 Dec 2019 18:06

Tgt Ion: 85 Resp: 5665

Ion Ratio Lower Upper

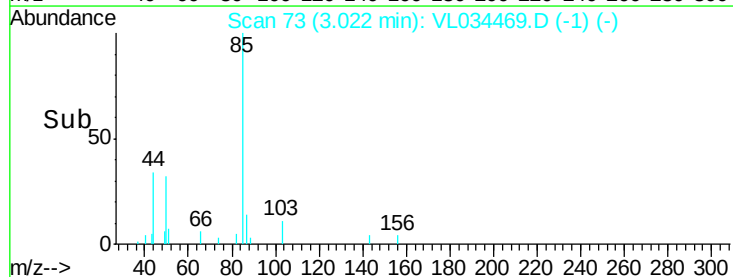
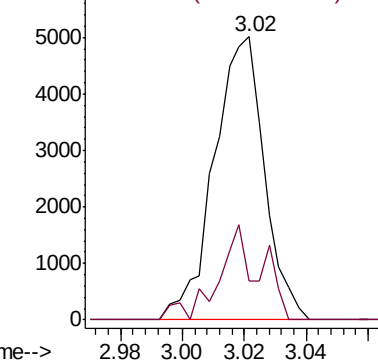
85 100

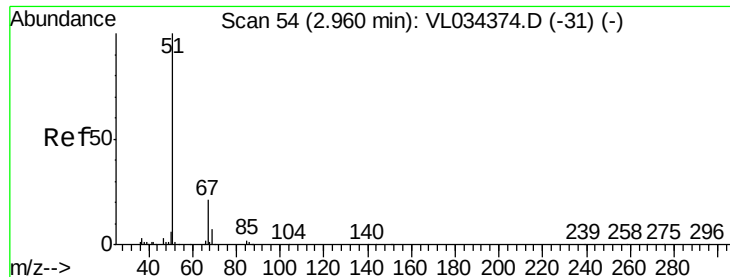
87 13.7 28.5 42.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

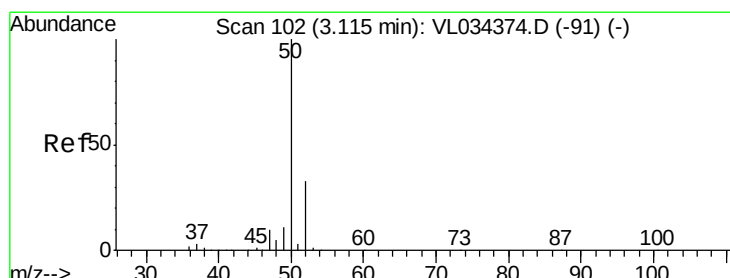
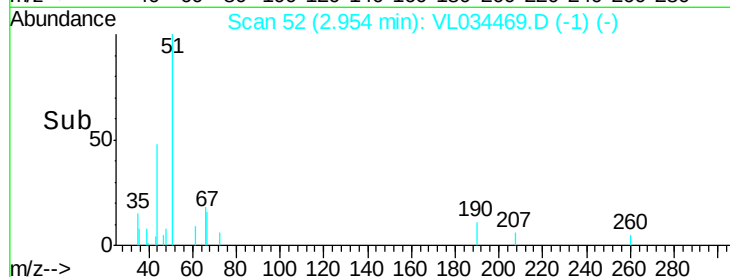
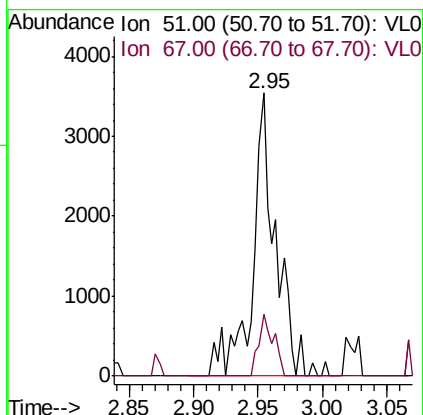
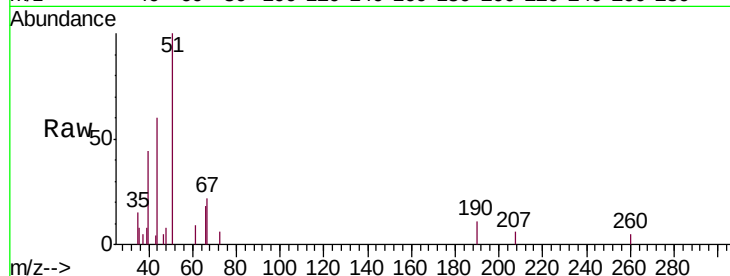




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.01 min
Lab File: VL034469.D
Acq: 9 Dec 2019 18:06

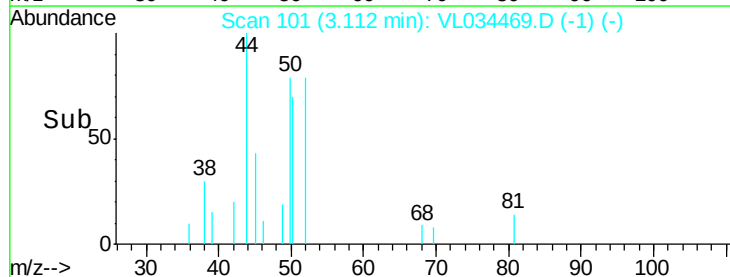
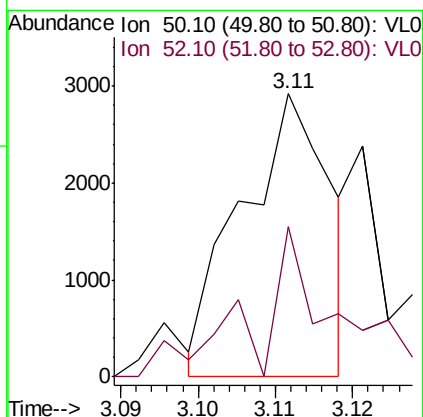
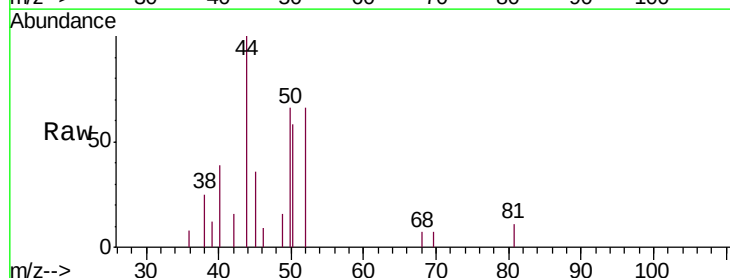
Instrument :
MSVOA_L
ClientSampleId :
NS-1DL

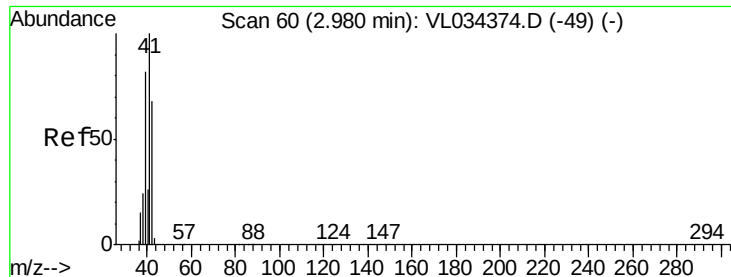
Tgt Ion: 51 Resp: 4411
Ion Ratio Lower Upper
51 100
67 14.3 16.2 24.2#



#4
Chloromethane
Concen: 0.033 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.00 min
Lab File: VL034469.D
Acq: 9 Dec 2019 18:06

Tgt Ion: 50 Resp: 2331
Ion Ratio Lower Upper
50 100
52 51.8 26.8 40.2#





#9

Propene

Concen: 0.069 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034469.D

Acq: 9 Dec 2019 18:06

Instrument :

MSVOA_L

ClientSampleId :

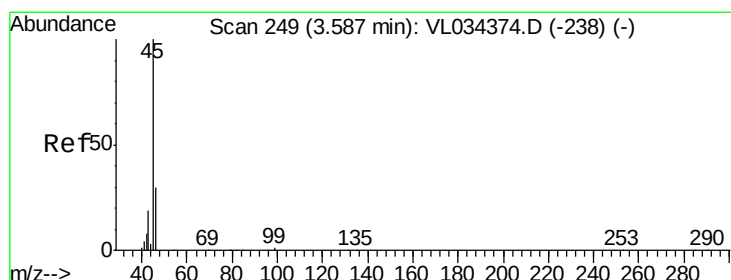
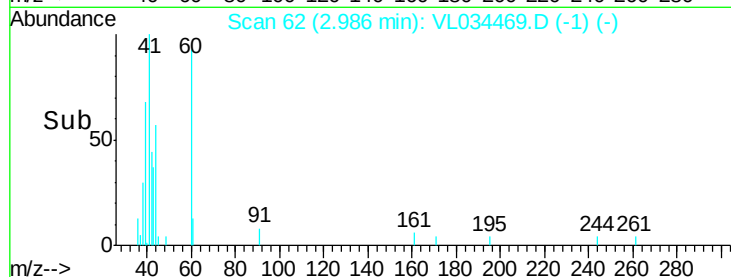
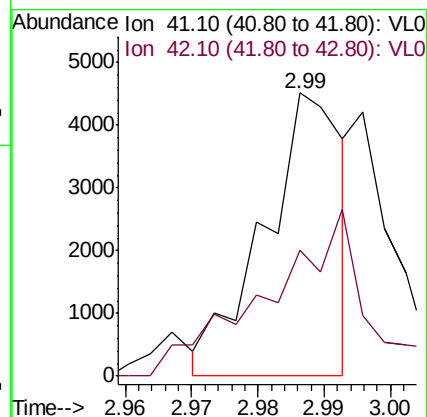
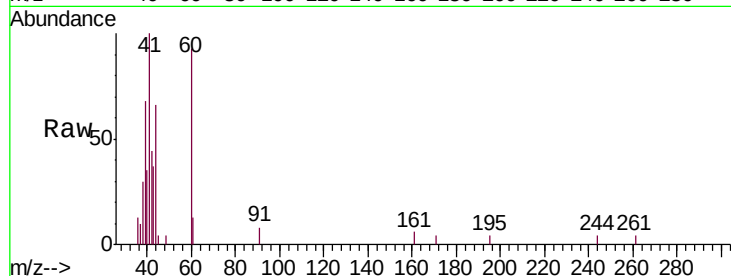
NS-1DL

Tgt Ion: 41 Resp: 3713

Ion Ratio Lower Upper

41 100

42 0.0 54.6 82.0#



#13

Ethanol

Concen: 7.979 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.00 min

Lab File: VL034469.D

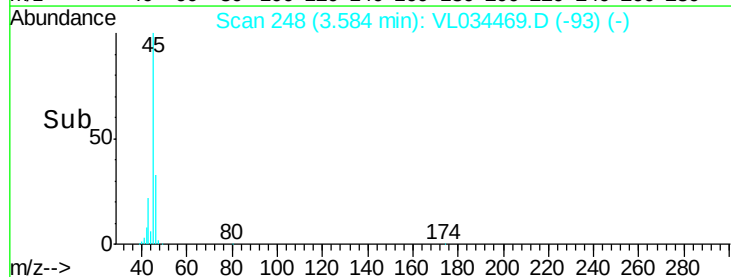
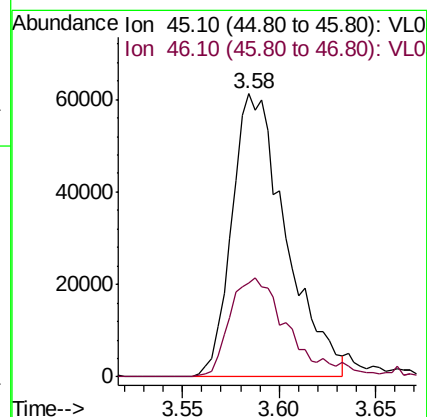
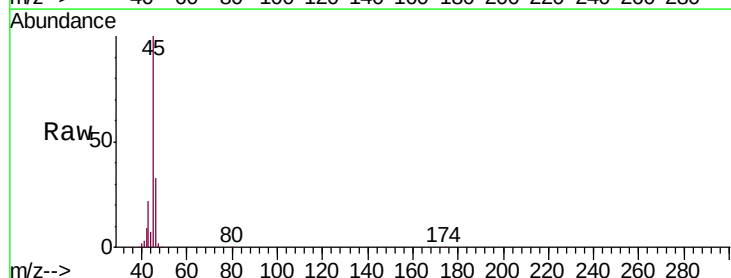
Acq: 9 Dec 2019 18:06

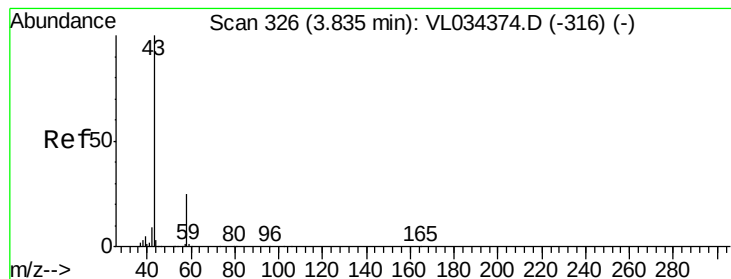
Tgt Ion: 45 Resp: 118835

Ion Ratio Lower Upper

45 100

46 40.2 13.8 55.4





#15

Acetone

Concen: 0.656 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034469.D

Acq: 9 Dec 2019 18:06

Instrument :

MSVOA_L

ClientSampleId :

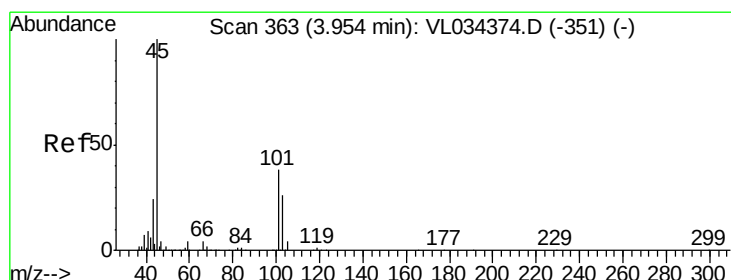
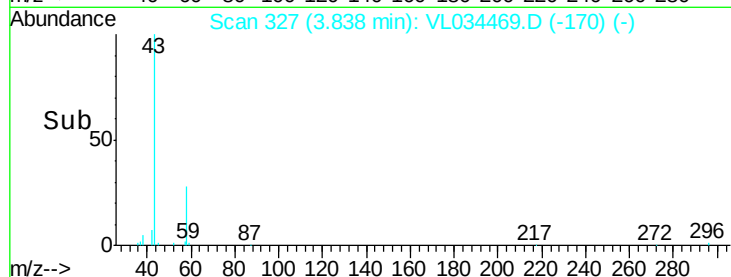
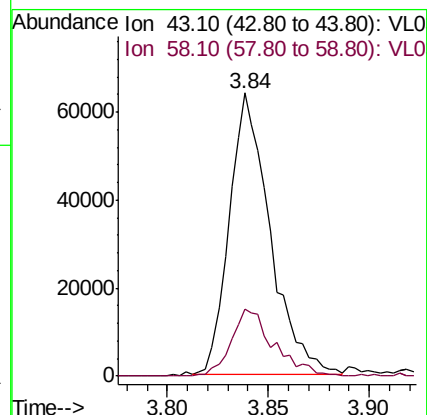
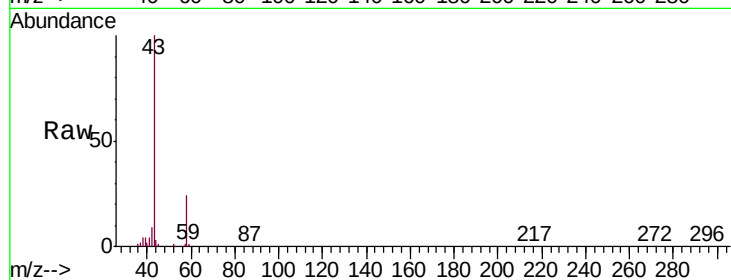
NS-1DL

Tgt Ion: 43 Resp: 90638

Ion Ratio Lower Upper

43 100

58 24.8 20.2 30.4



#19

Isopropyl Alcohol

Concen: 0.803 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034469.D

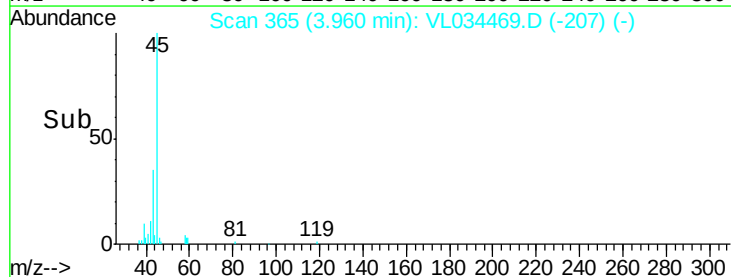
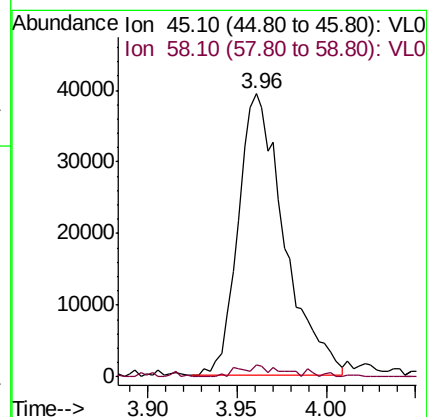
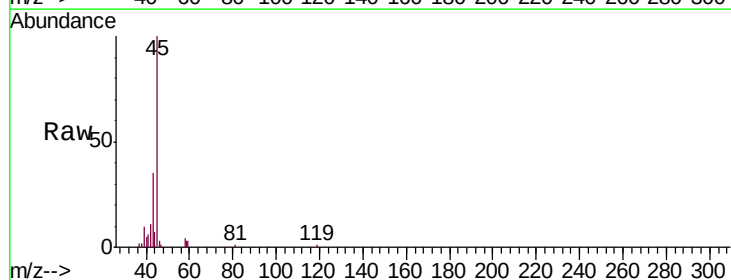
Acq: 9 Dec 2019 18:06

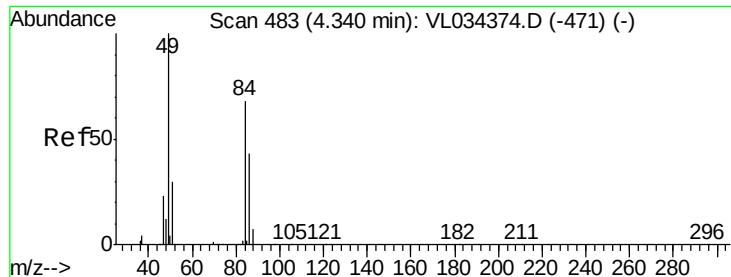
Tgt Ion: 45 Resp: 71165

Ion Ratio Lower Upper

45 100

58 3.9 1.3 1.9#

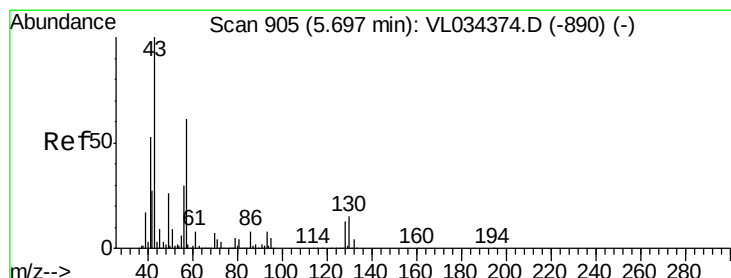
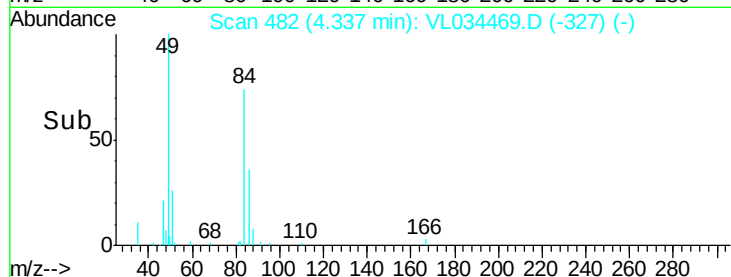
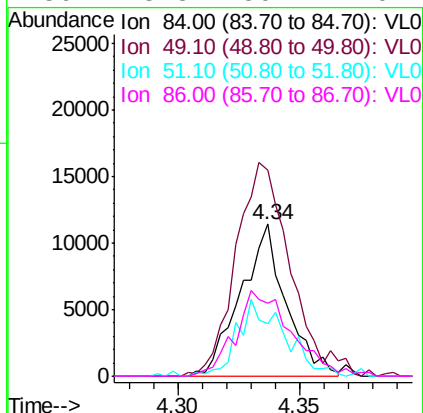
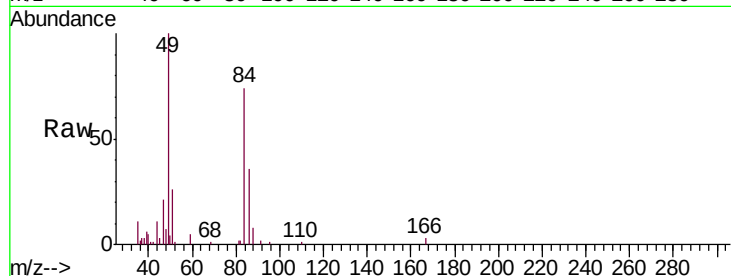




#20
Methylene Chloride
Concen: 0.302 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034469.D
Acq: 9 Dec 2019 18:06

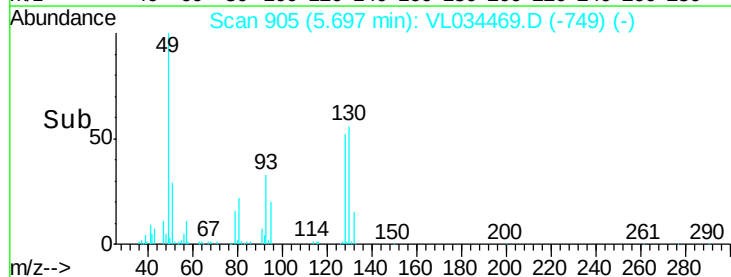
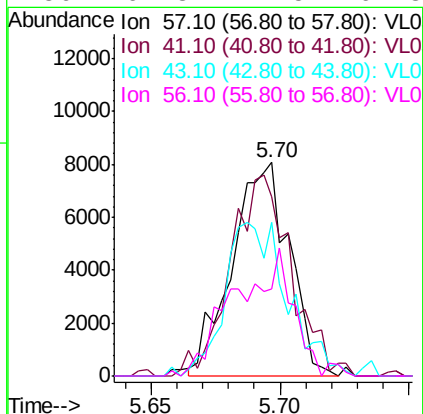
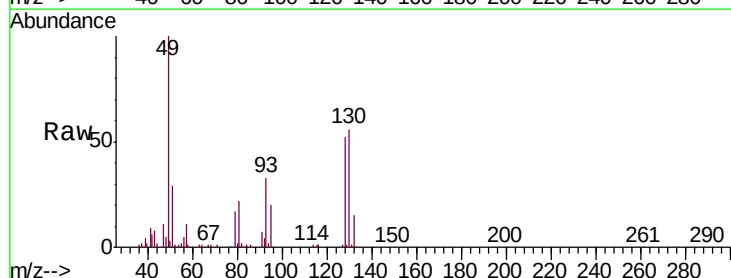
Instrument :
MSVOA_L
ClientSampleId :
NS-1DL

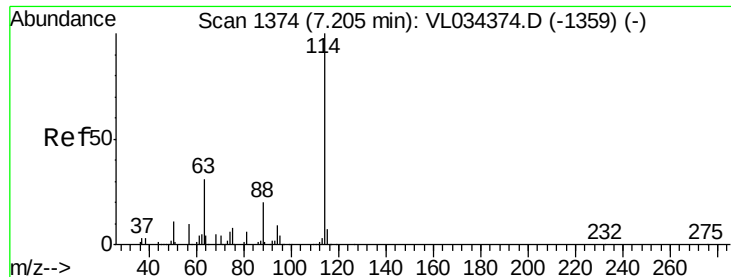
Tgt Ion: 84 Resp: 14818
Ion Ratio Lower Upper
84 100
49 132.8 116.8 175.2
51 34.6 35.6 53.4#
86 48.3 50.7 76.1#



#26
Hexane
Concen: 0.118 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034469.D
Acq: 9 Dec 2019 18:06

Tgt Ion: 57 Resp: 12523
Ion Ratio Lower Upper
57 100
41 101.9 75.0 112.4
43 79.7 186.6 279.8#
56 61.3 41.5 62.3

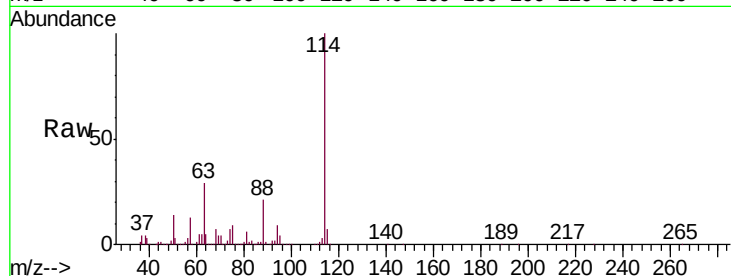




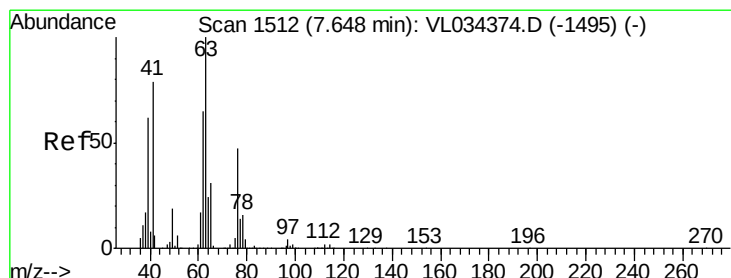
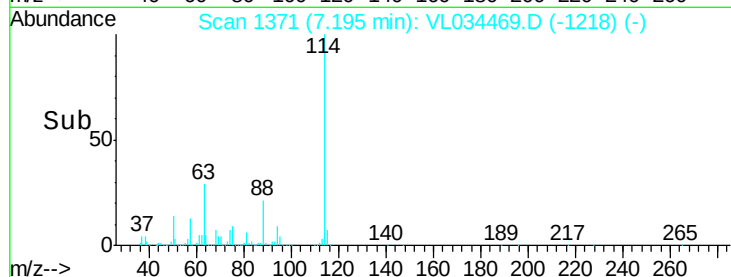
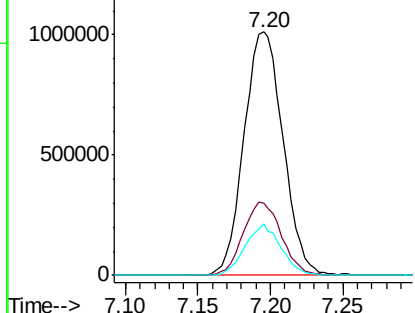
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: VL034469.D
 Acq: 9 Dec 2019 18:06

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1DL

Tgt Ion: 114 Resp: 1900049
 Ion Ratio Lower Upper
 114 100
 63 29.7 24.2 36.4
 88 19.3 15.9 23.9

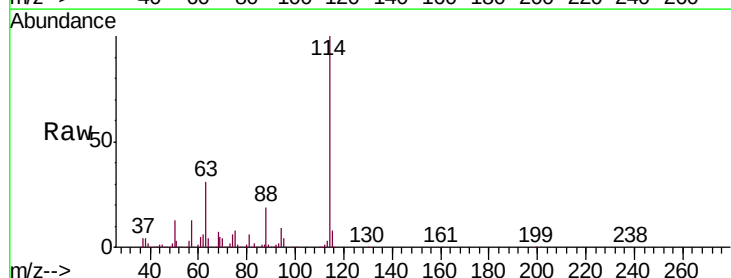


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

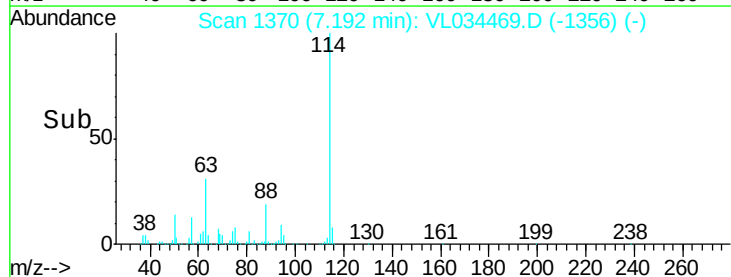
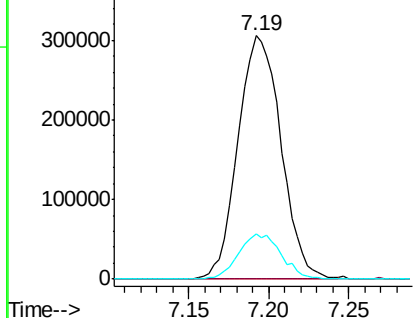


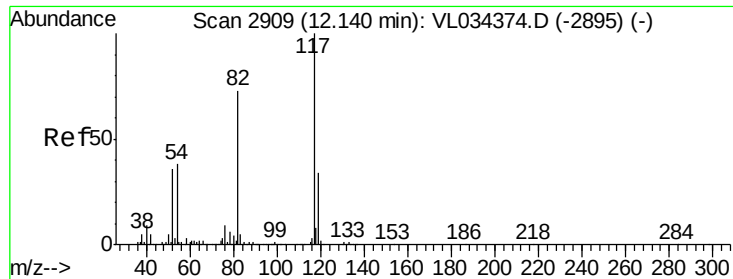
#39
 1,2-Dichloropropane
 Concen: 7.664 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.46 min
 Lab File: VL034469.D
 Acq: 9 Dec 2019 18:06

Tgt Ion: 63 Resp: 560791
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.1 94.7#
 62 18.6 52.3 78.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

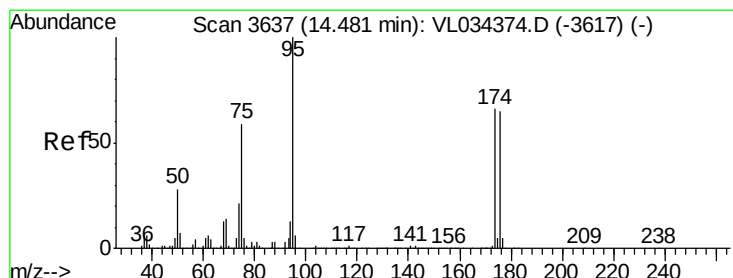
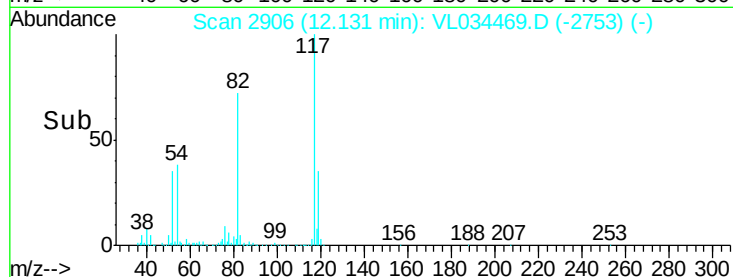
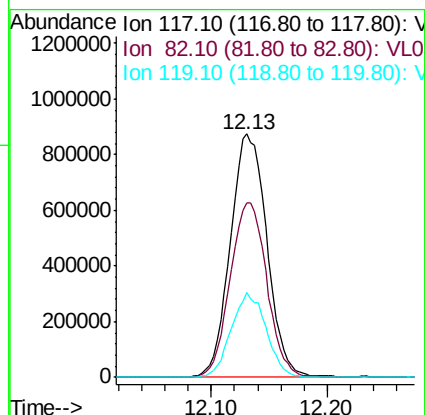
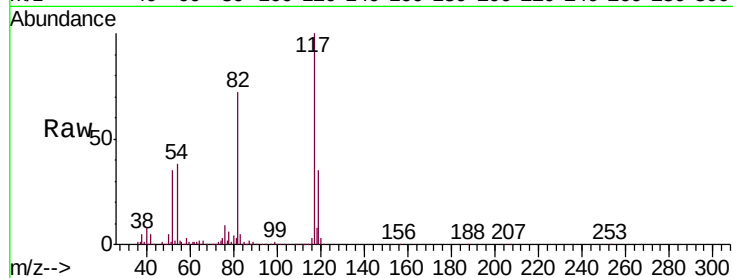




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL034469.D
Acq: 9 Dec 2019 18:06

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 1908655
Ion Ratio Lower Upper
117 100
82 72.1 57.5 86.3
119 33.5 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.132 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034469.D
Acq: 9 Dec 2019 18:06

Tgt Ion: 95 Resp: 1626854
Ion Ratio Lower Upper
95 100
174 64.8 52.2 78.2
175 4.5 3.8 5.8

