

Data File : VL035273.D
Acq On : 30 Jul 2020 9:29
Operator : SY/AP
Sample : L3474-03DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SINKDL2

Quant Time: Jul 30 10:23:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1079980	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2671095	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2529204	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.46 95 2009253 9.94 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 99.40%

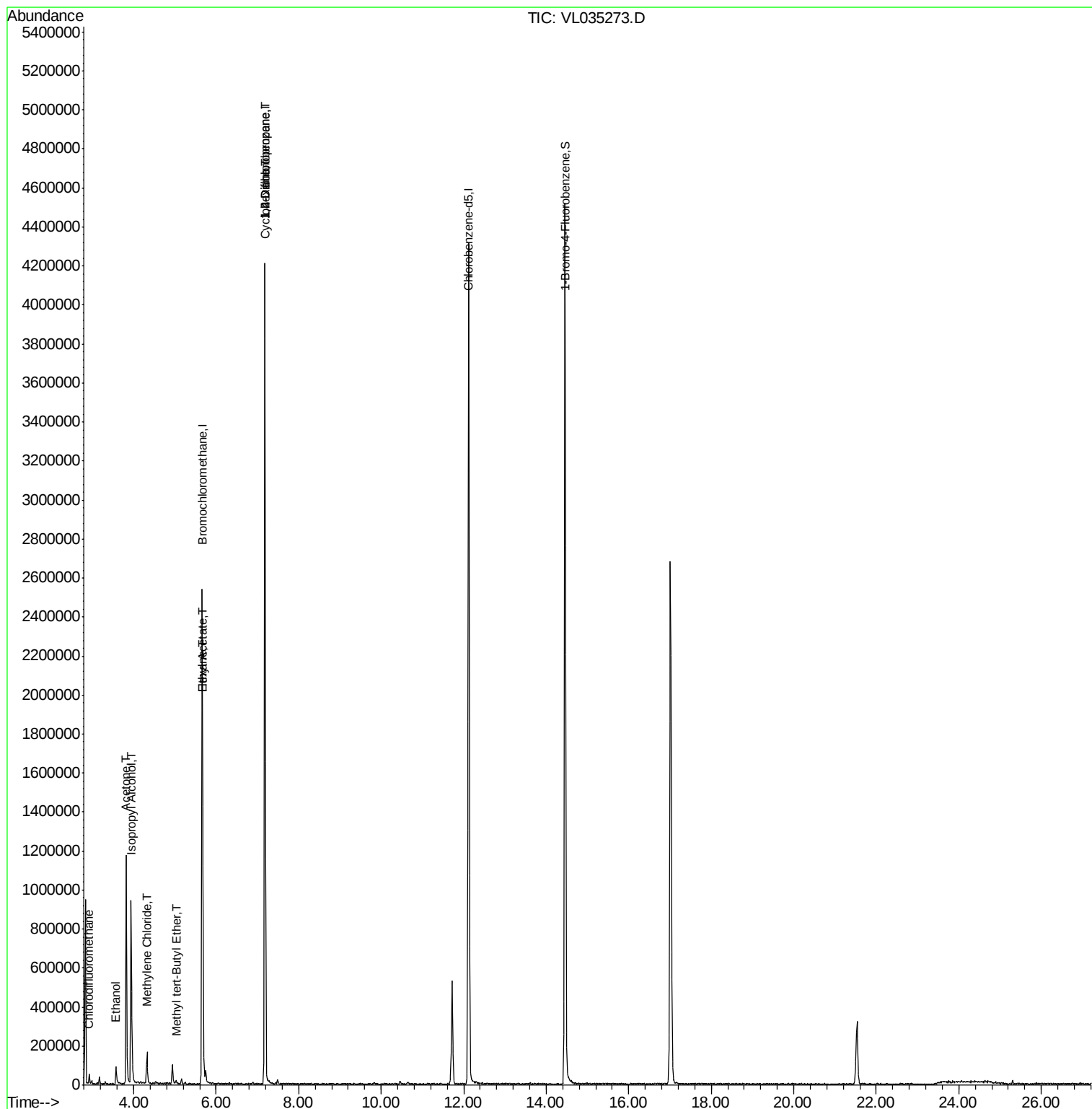
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.92	51	29106	0.243	ppbv #	61
13) Ethanol	3.57	45	79524	4.689	ppbv	98
15) Acetone	3.82	43	1125992	7.816	ppbv	98
19) Isopropyl Alcohol	3.93	45	925548	9.742	ppbv #	98
20) Methylene Chloride	4.32	84	49644	0.757	ppbv #	92
25) Ethyl Acetate	5.68	43	62576	0.278	ppbv #	77
26) Hexane	5.68	57	86192	0.849	ppbv #	41
28) Methyl tert-Butyl Ether	5.02	73	6195	0.043	ppbv #	53
30) Cyclohexane	7.17	84	5724	0.079	ppbv #	2
39) 1,2-Dichloropropane	7.18	63	723845	9.773	ppbv #	23

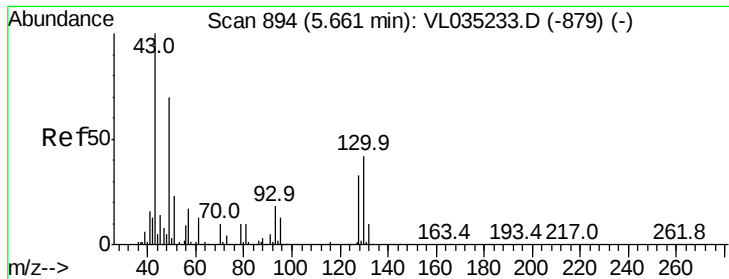
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

SINKDL2

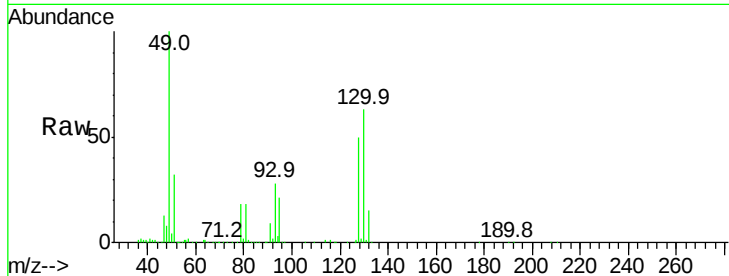
Tgt Ion: 49 Resp: 1079980

Ion Ratio Lower Upper

49 100

128 50.7 24.0 72.0

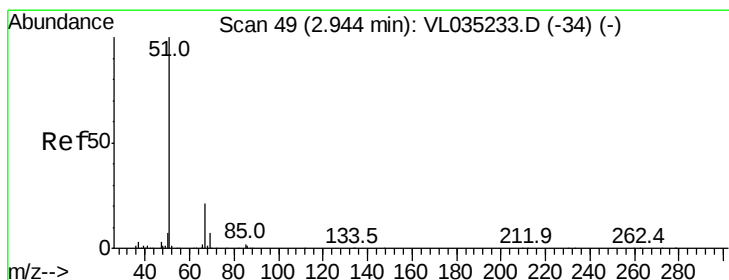
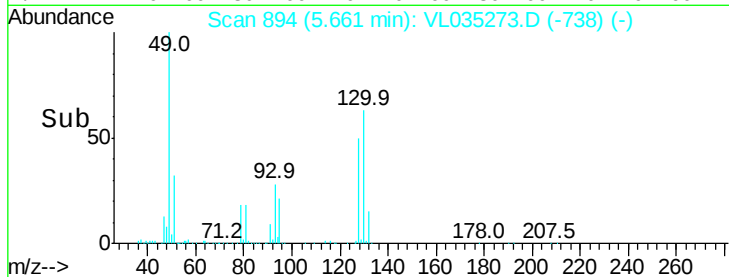
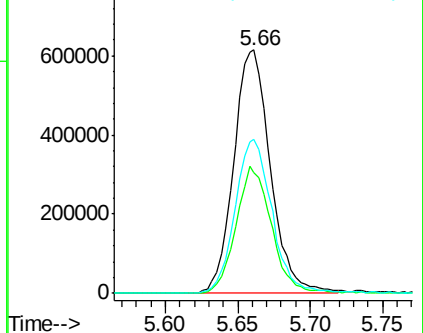
130 64.4 30.7 92.1



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



#3

Chlorodifluoromethane

Concen: 0.243 ppbv

RT: 2.92 min Scan# 41

Delta R.T. -0.03 min

Lab File: VL035273.D

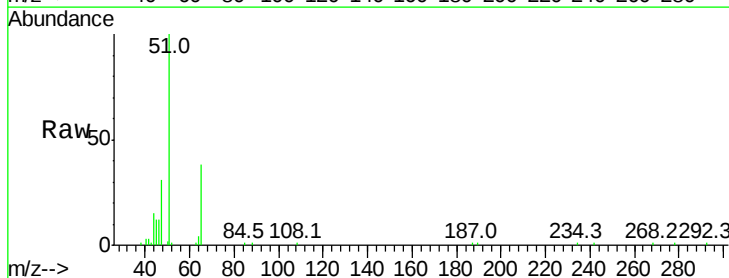
Acq: 30 Jul 2020 9:29

Tgt Ion: 51 Resp: 29106

Ion Ratio Lower Upper

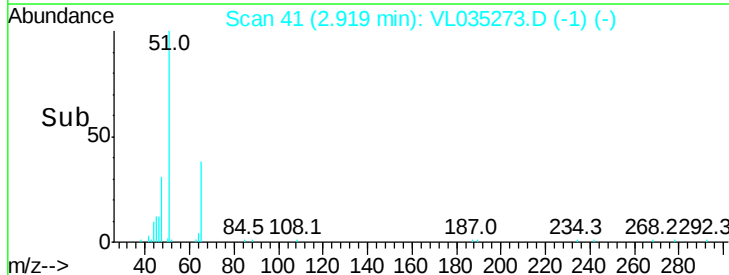
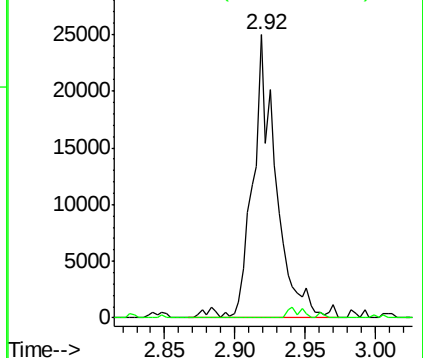
51 100

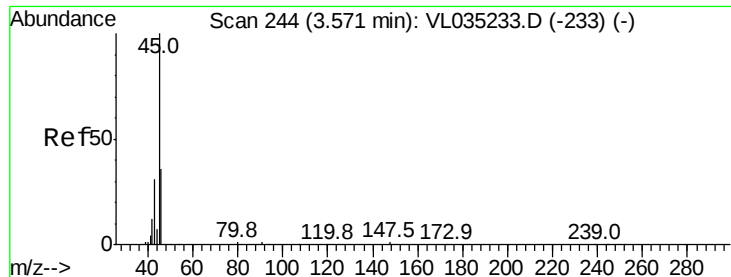
67 2.6 16.6 25.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 4.689 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Instrument :

MSVOA_L

ClientSampleId :

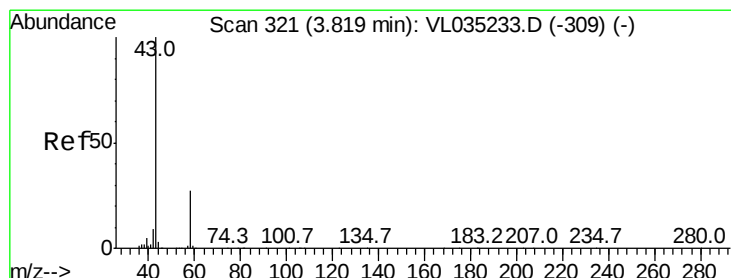
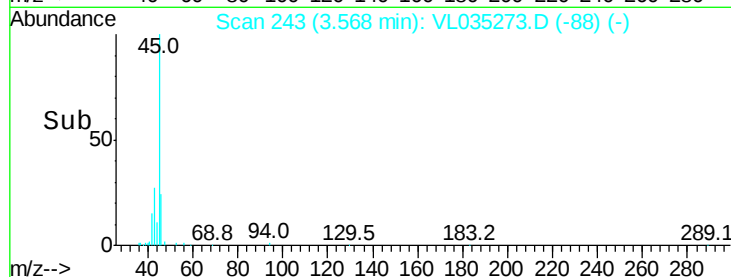
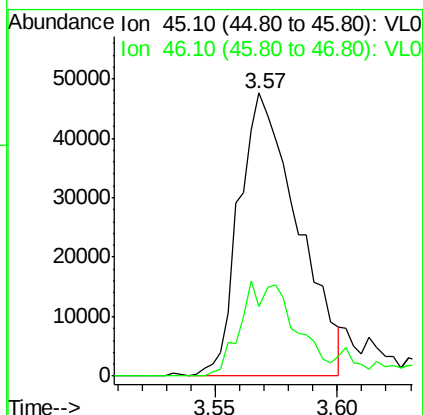
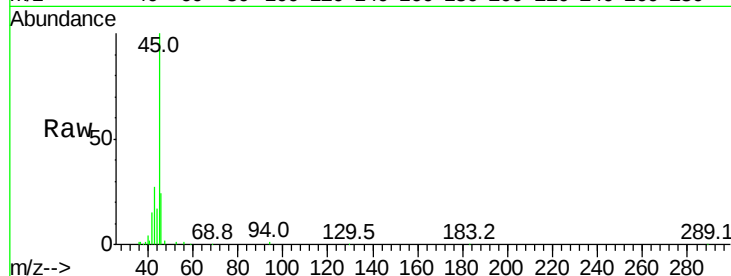
SINKDL2

Tgt Ion: 45 Resp: 79524

Ion Ratio Lower Upper

45 100

46 38.5 15.8 63.4



#15

Acetone

Concen: 7.816 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL035273.D

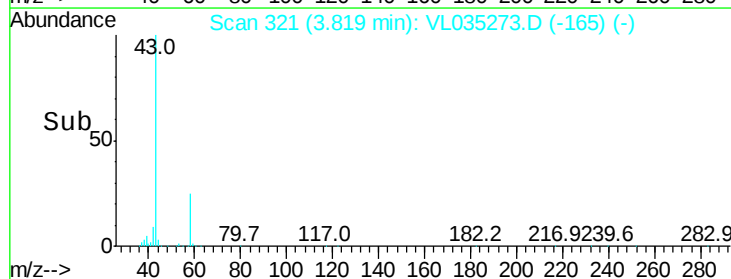
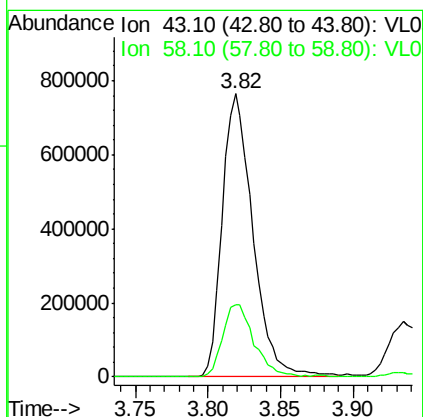
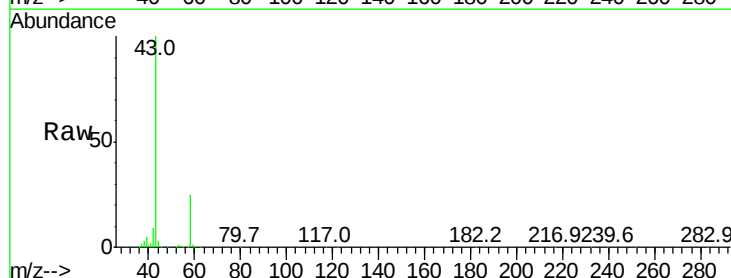
Acq: 30 Jul 2020 9:29

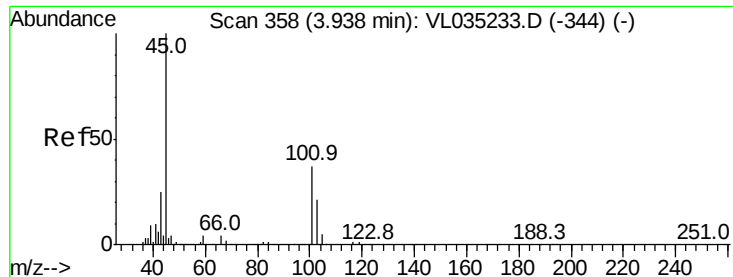
Tgt Ion: 43 Resp: 1125992

Ion Ratio Lower Upper

43 100

58 26.4 21.8 32.6





#19

Isopropyl Alcohol

Concen: 9.742 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.00 min

Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Instrument :

MSVOA_L

ClientSampleId :

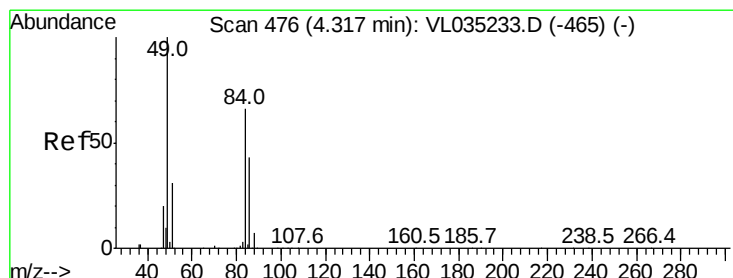
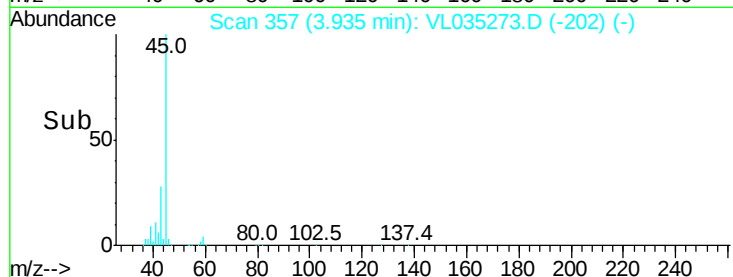
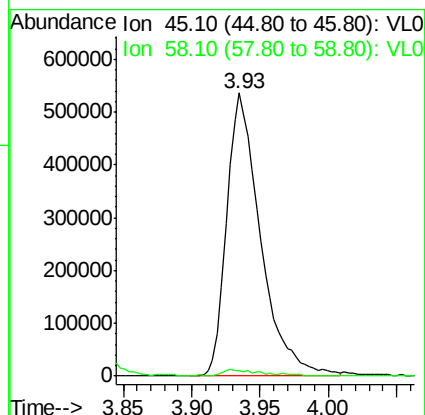
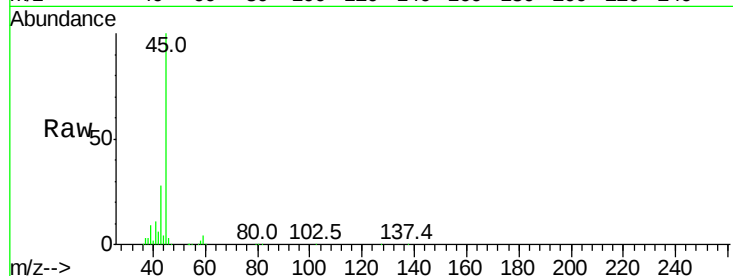
SINKDL2

Tgt Ion: 45 Resp: 925548

Ion Ratio Lower Upper

45 100

58 3.1 1.9 2.9#



#20

Methylene Chloride

Concen: 0.757 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Tgt Ion: 84 Resp: 49644

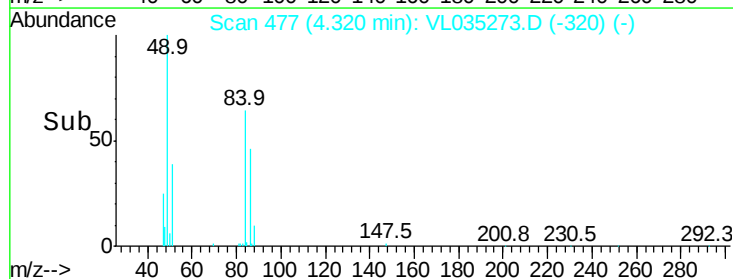
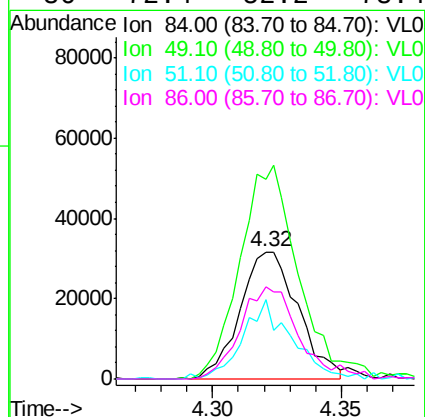
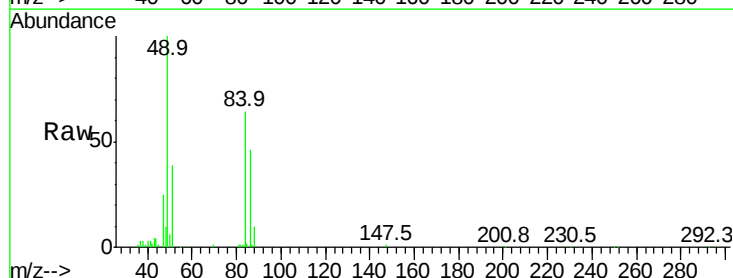
Ion Ratio Lower Upper

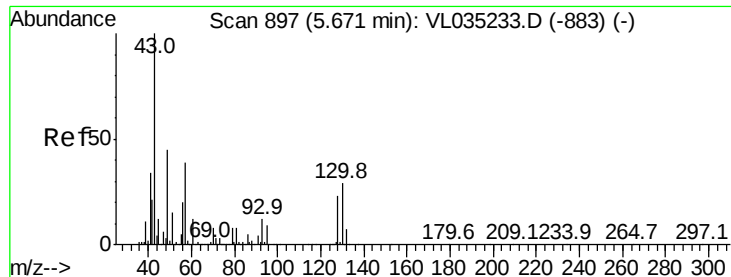
84 100

49 156.9 121.0 181.4

51 58.4 37.7 56.5#

86 72.4 52.2 78.4

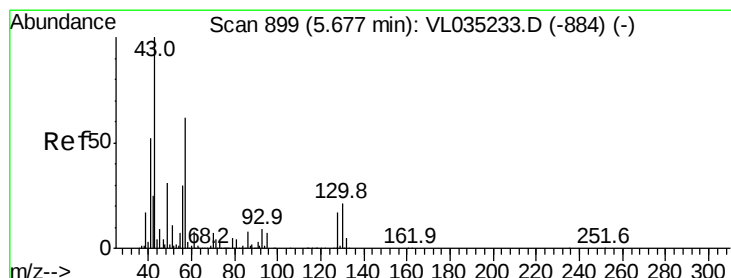
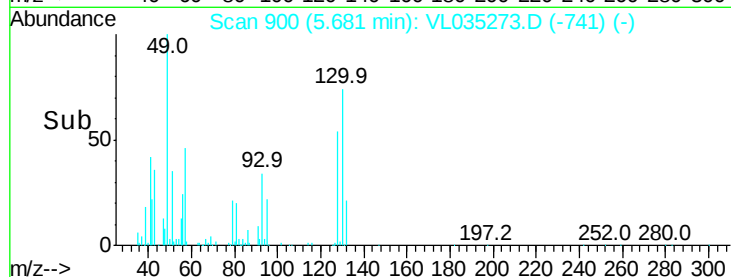
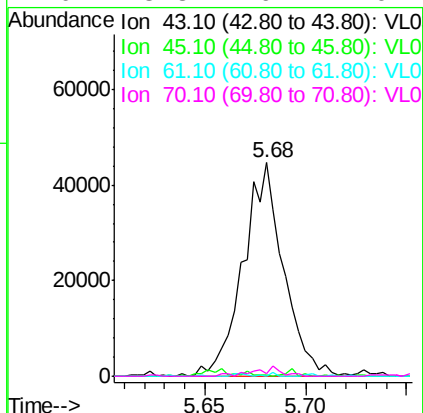
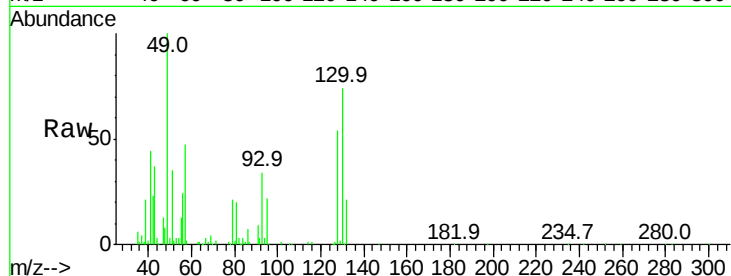




#25
Ethyl Acetate
Concen: 0.278 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL035273.D
Acq: 30 Jul 2020 9:29

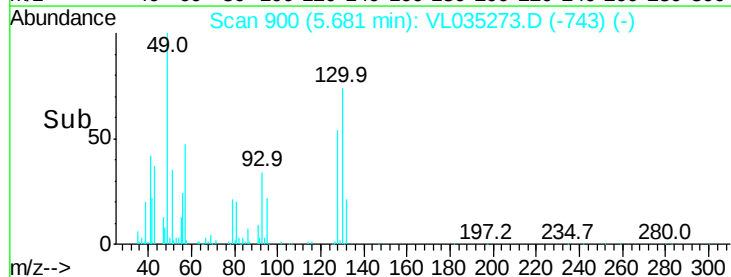
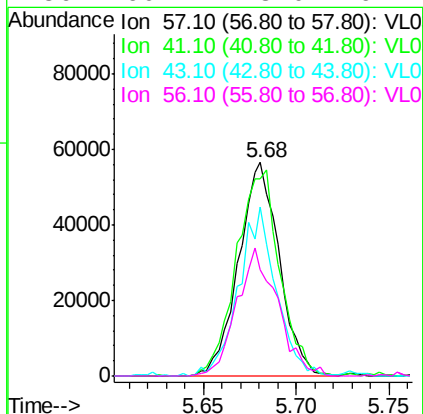
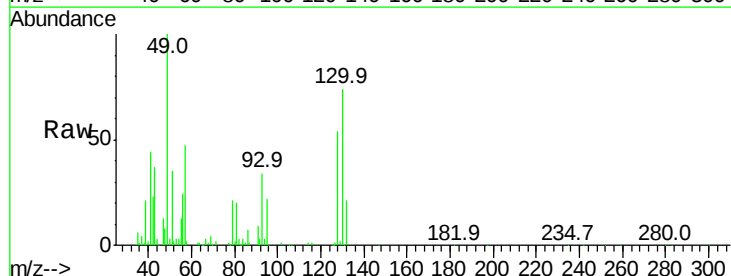
Instrument :
MSVOA_L
ClientSampleId :
SINKDL2

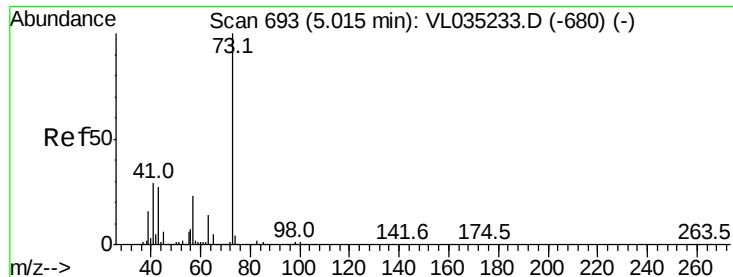
Tgt Ion:	43	Resp:	62576
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.5	12.7#
61	0.8	8.1	12.1#
70	3.3	6.2	9.4#



#26
Hexane
Concen: 0.849 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035273.D
Acq: 30 Jul 2020 9:29

Tgt Ion:	57	Resp:	86192
Ion	Ratio	Lower	Upper
57	100		
41	103.1	73.9	110.9
43	74.2	177.6	266.4#
56	60.1	43.0	64.4





#28

Methyl tert-Butyl Ether

Concen: 0.043 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

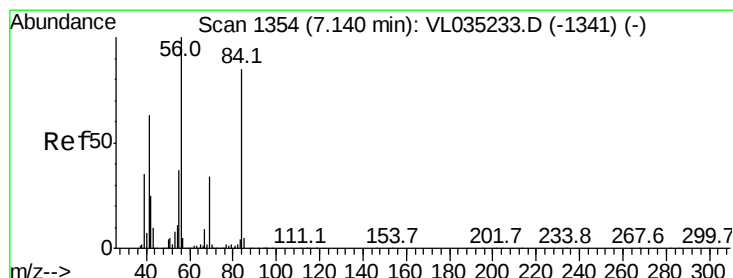
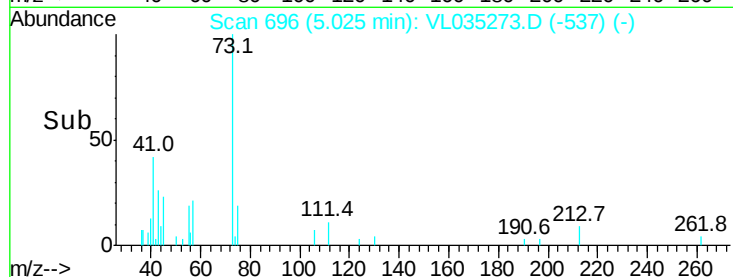
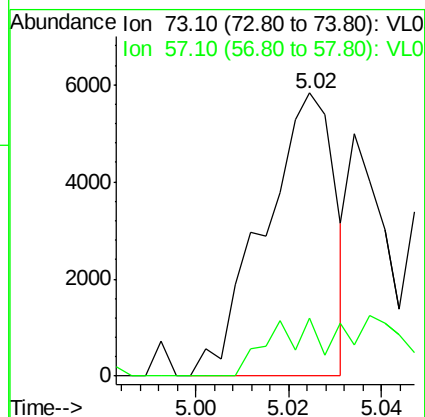
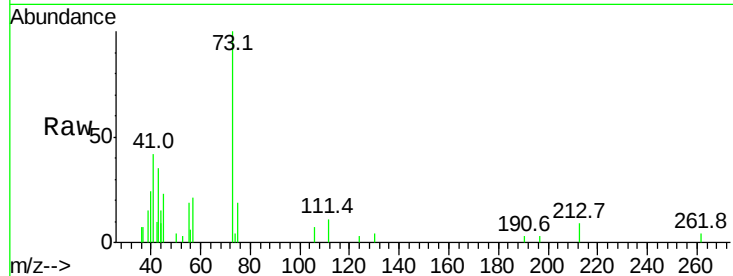
Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Instrument :
MSVOA_L
ClientSampleId :
SINKDL2

Tgt Ion: 73 Resp: 6195

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.2	27.4#



#30

Cyclohexane

Concen: 0.079 ppbv

RT: 7.17 min Scan# 1363

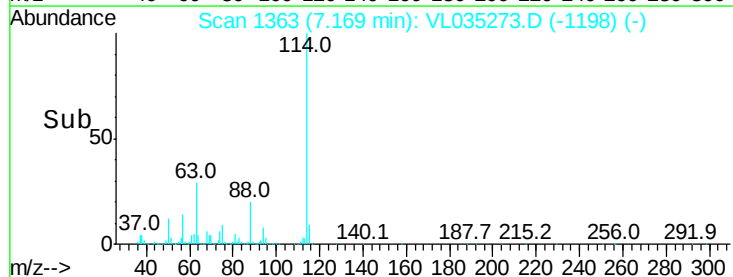
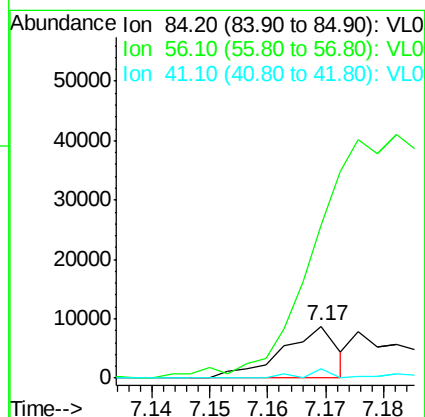
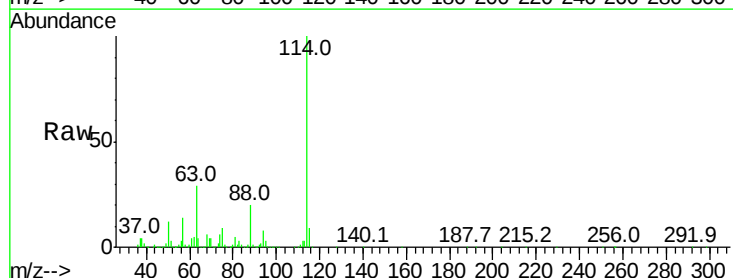
Delta R.T. 0.03 min

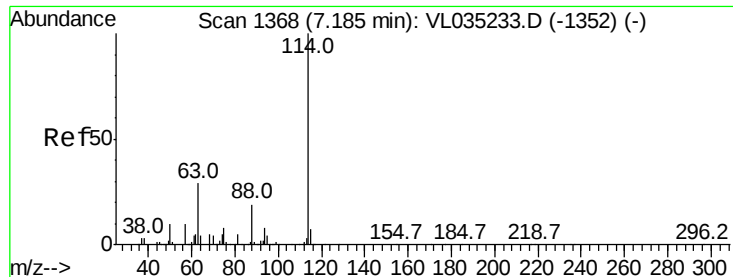
Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Tgt Ion: 84 Resp: 5724

Ion	Ratio	Lower	Upper
84	100		
56	0.0	104.2	156.2#
41	13.5	63.7	95.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

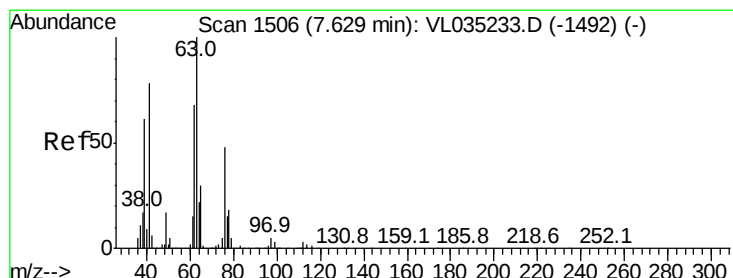
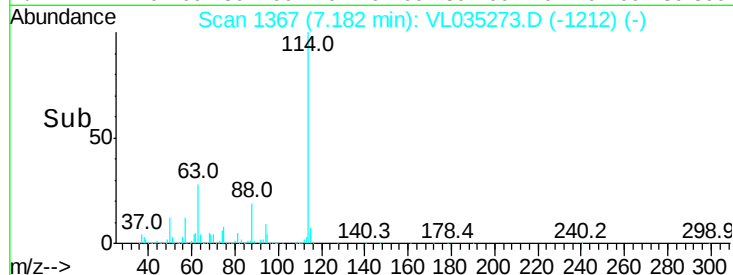
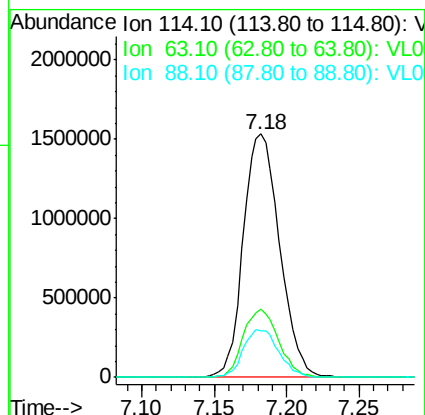
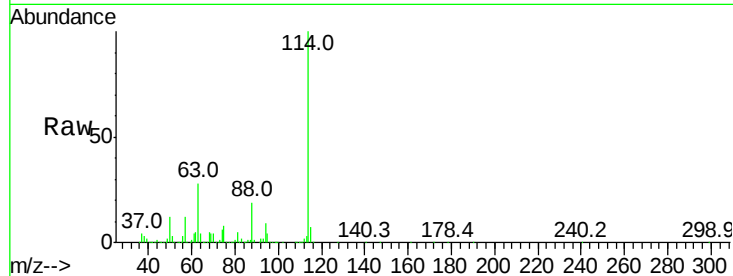
Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Instrument :
MSVOA_L
ClientSampleId :
SINKDL2

Tgt Ion: 114 Resp: 2671095

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.2
88	19.2	15.4	23.0



#39

1,2-Dichloropropane

Concen: 9.773 ppbv

RT: 7.18 min Scan# 1367

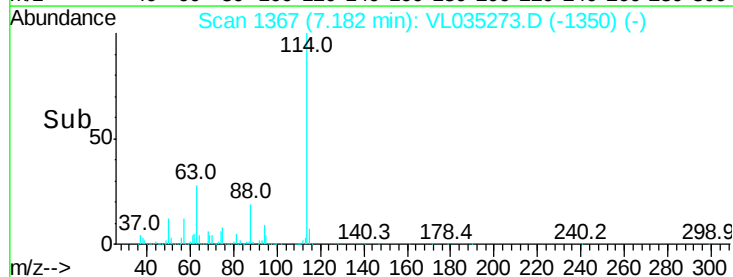
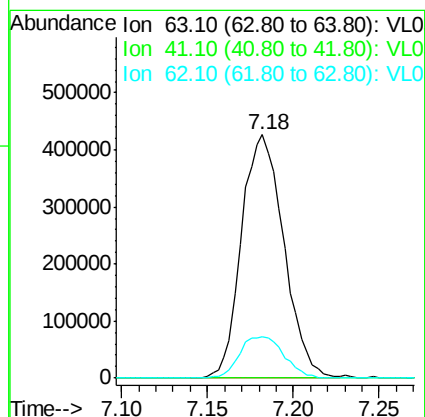
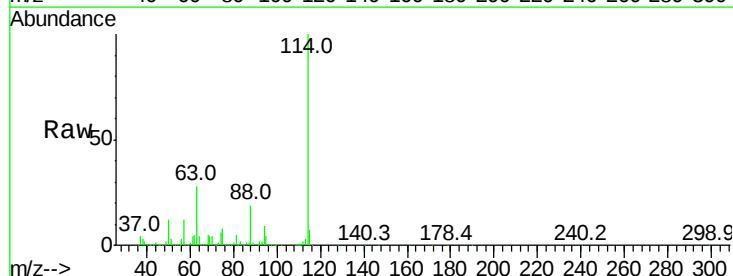
Delta R.T. -0.45 min

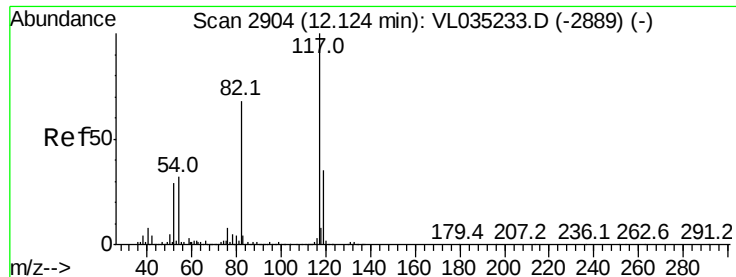
Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Tgt Ion: 63 Resp: 723845

Ion	Ratio	Lower	Upper
63	100		
41	0.2	62.2	93.4#
62	16.9	54.2	81.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

Instrument :

MSVOA_L

ClientSampleId :

SINKDL2

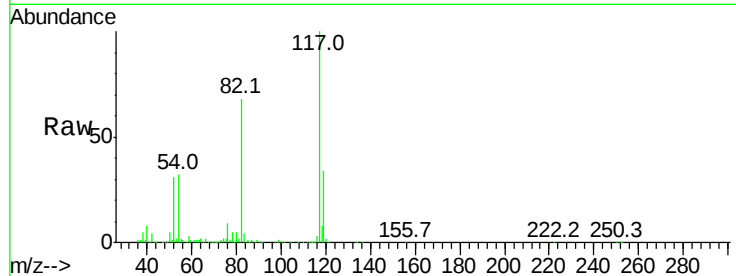
Tgt Ion:117 Resp: 2529204

Ion Ratio Lower Upper

117 100

82 68.4 52.4 78.6

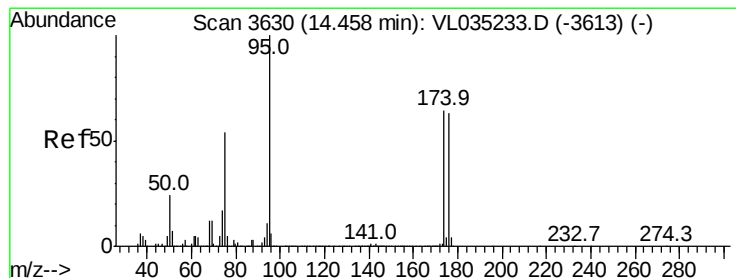
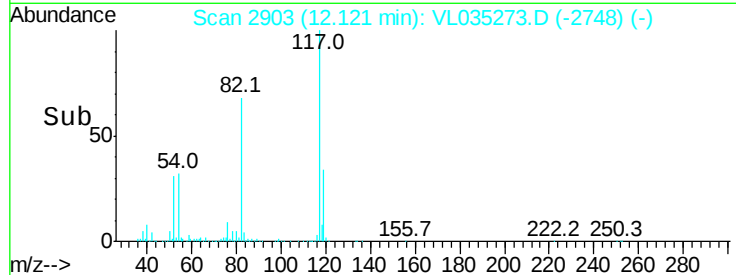
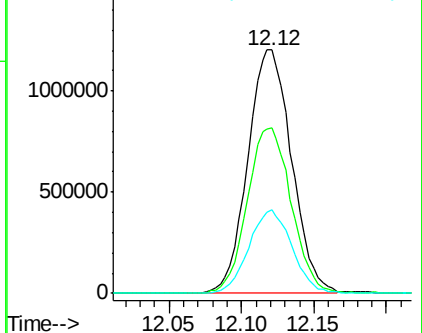
119 33.6 24.6 36.8



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.942 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035273.D

Acq: 30 Jul 2020 9:29

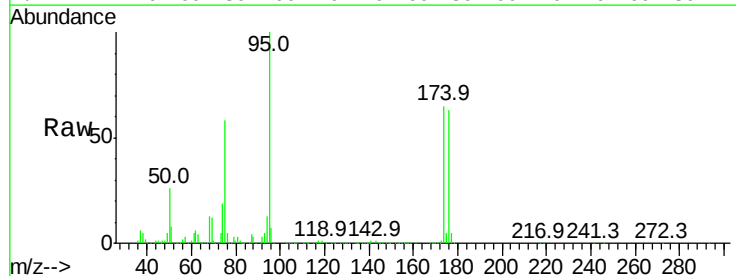
Tgt Ion: 95 Resp: 2009253

Ion Ratio Lower Upper

95 100

174 65.8 52.7 79.1

175 4.9 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

