

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038114.D
 Acq On : 24 Nov 2021 00:27
 Operator : SY/AP
 Sample : M4805-03 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-ROOK-COFFEEDL

Quant Time: Nov 26 04:17:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	824306	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2398148	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2096103	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1632211	10.80	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.00%

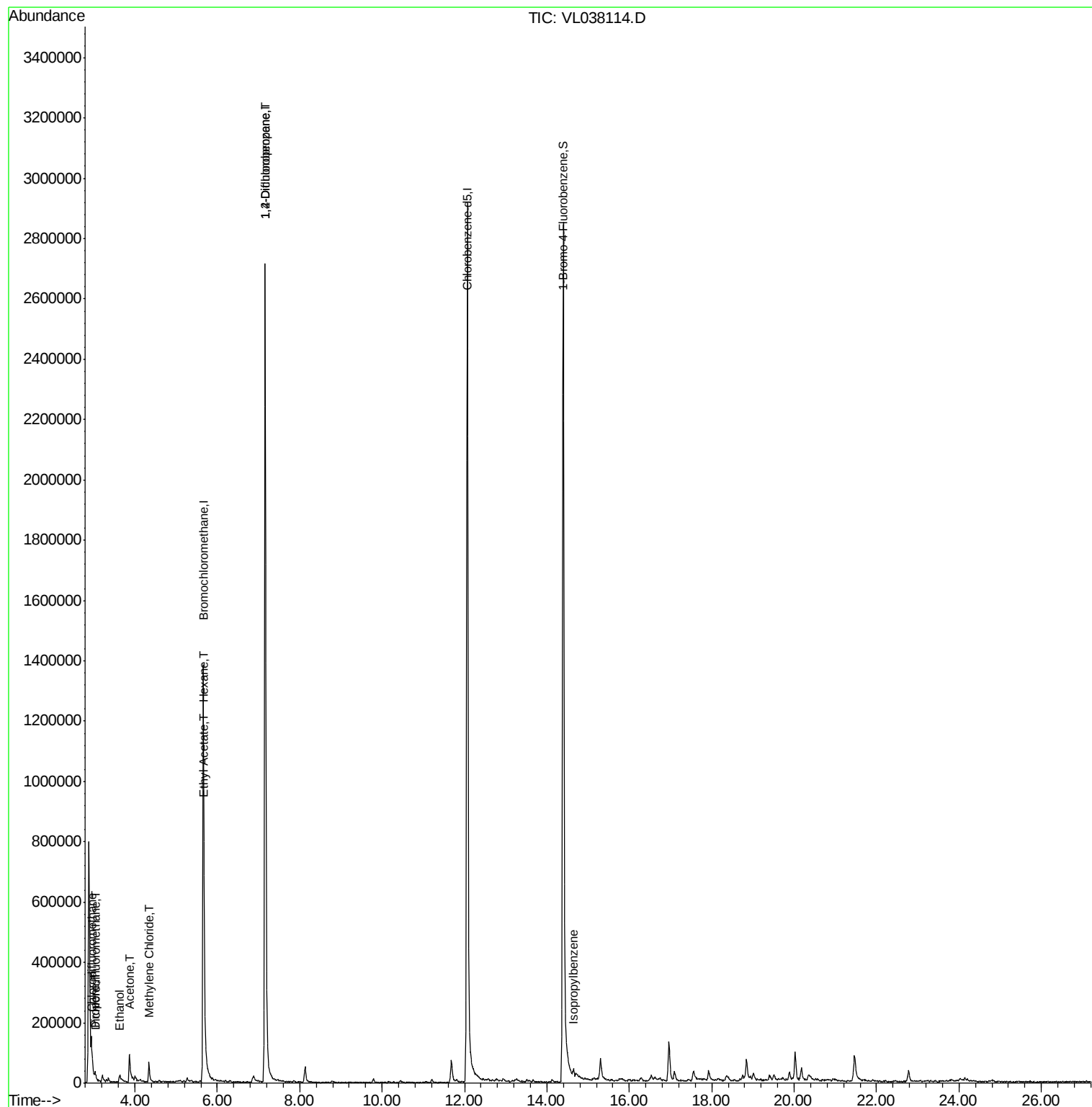
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9229	0.068	ppbv #	64
3) Chlorodifluoromethane	2.97	51	43813	0.253	ppbv #	65
9) Propene	3.02	41	4933	0.077	ppbv #	75
13) Ethanol	3.62	45	11231	1.823	ppbv #	32
15) Acetone	3.87	43	126306	1.767	ppbv	91
20) Methylene Chloride	4.35	84	23683	0.592	ppbv	88
25) Ethyl Acetate	5.68	43	12635	0.053	ppbv #	79
26) Hexane	5.68	57	15493	0.135	ppbv #	48
39) 1,2-Dichloropropane	7.16	63	619037	6.746	ppbv #	26
62) Isopropylbenzene	14.64	105	11968	0.031	ppbv #	63

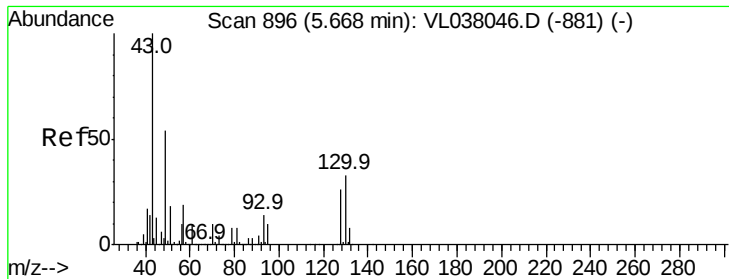
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 00:27

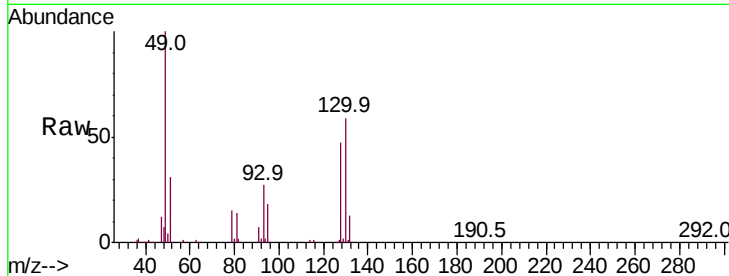
Tot Ion: 49 Resp: 824306

Ion Ratio Lower Upper

49 100

128 51.6 26.5 79.5

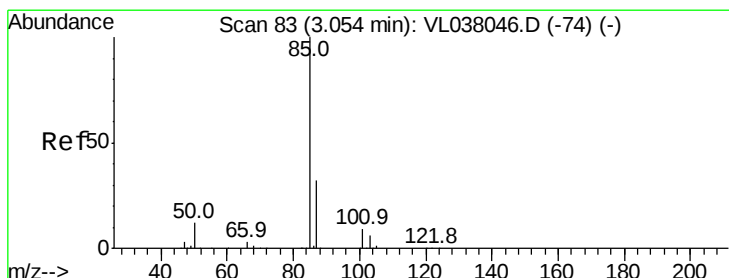
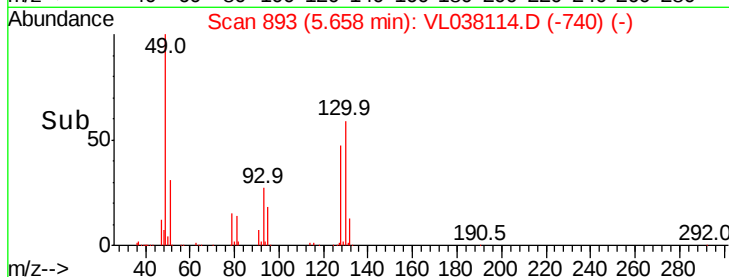
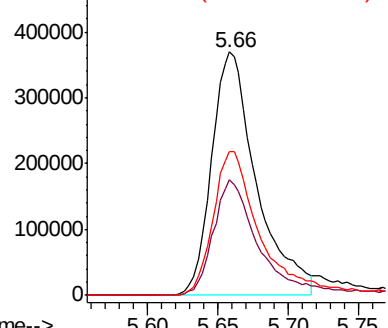
130 64.7 32.5 97.4



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



#2

Dichlorodifluoromethane

Concen: 0.068 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038114.D

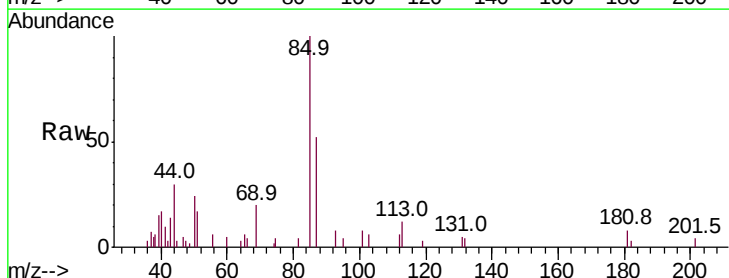
Acq: 24 Nov 2021 00:27

Tgt Ion: 85 Resp: 9229

Ion Ratio Lower Upper

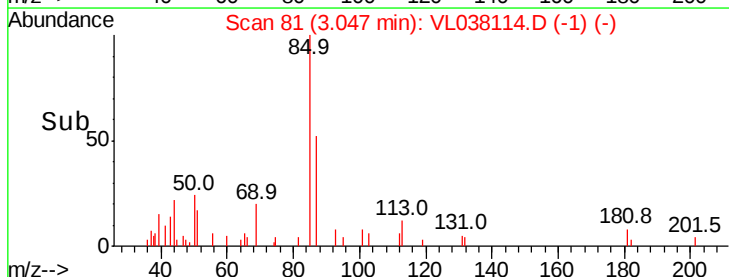
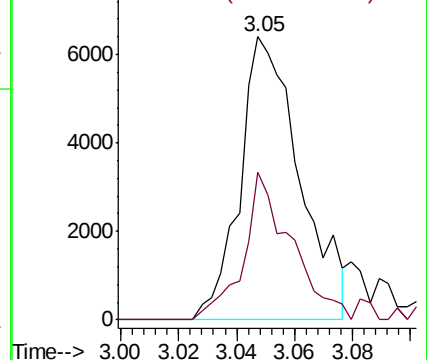
85 100

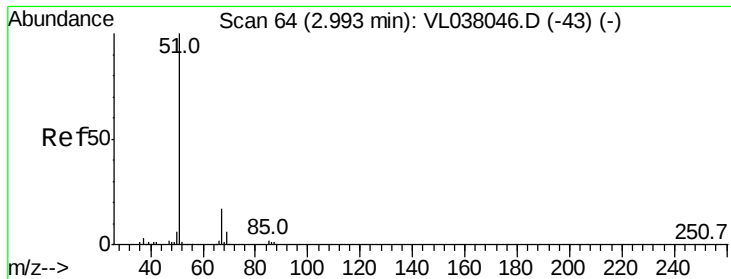
87 52.4 25.8 38.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.253 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

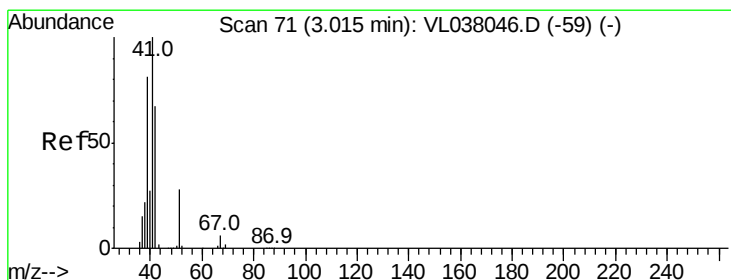
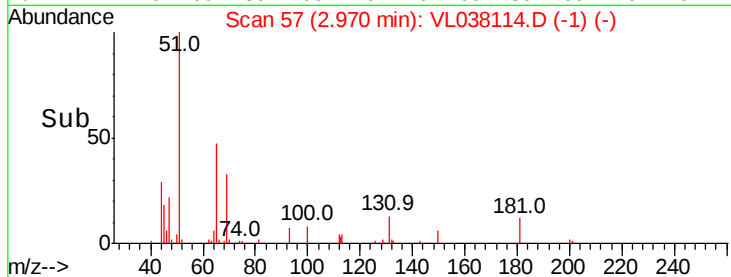
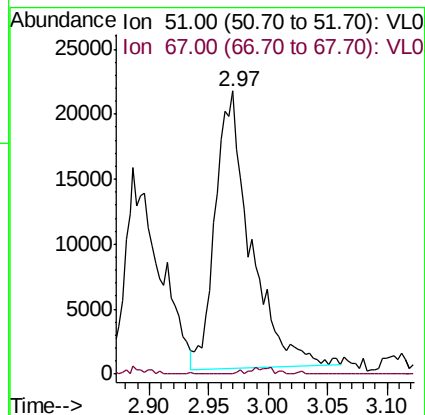
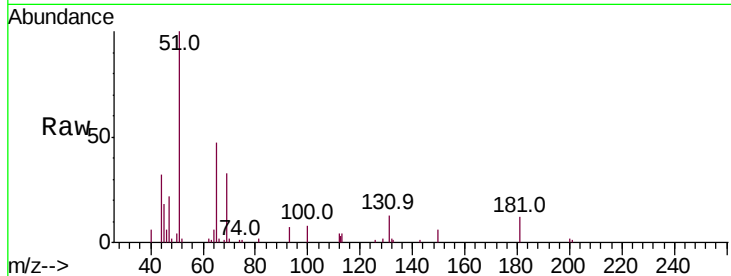
Acq: 24 Nov 2021 00:27 SG-ROOK-COFFEEDL

Tot Ion: 51 Resp: 43813

Ion Ratio Lower Upper

51 100

67 1.8 13.8 20.8#



#9

Propene

Concen: 0.077 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038114.D

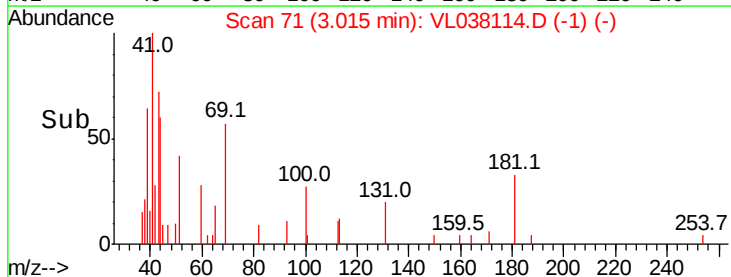
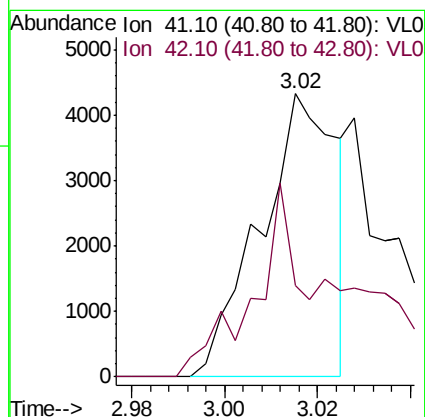
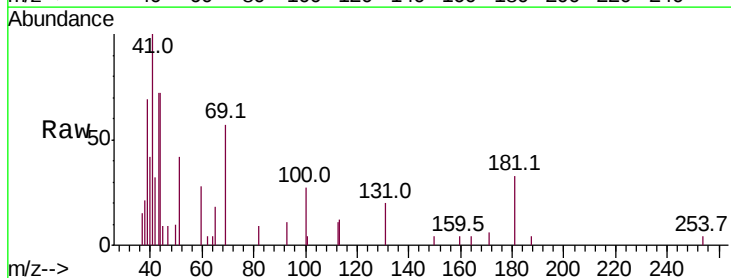
Acq: 24 Nov 2021 00:27

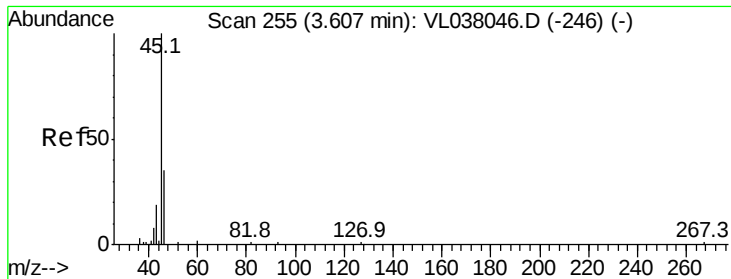
Tgt Ion: 41 Resp: 4933

Ion Ratio Lower Upper

41 100

42 87.0 53.8 80.8#





#13

Ethanol

Concen: 1.823 ppbv

RT: 3.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

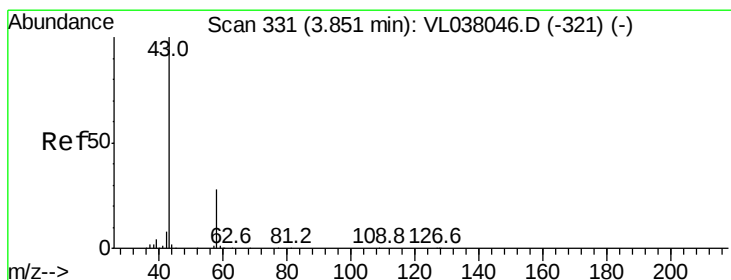
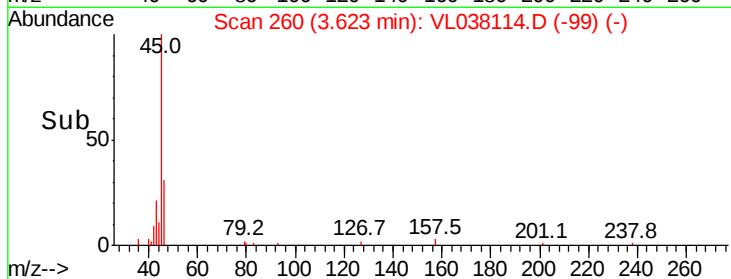
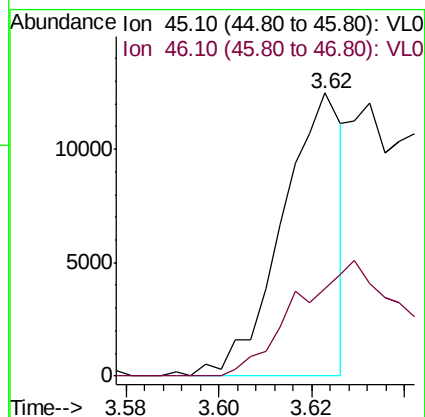
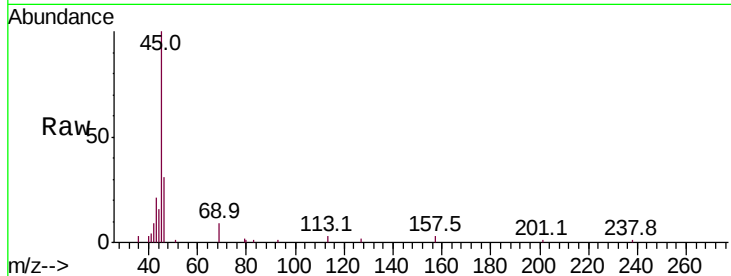
Acq: 24 Nov 2021 00:27 SG-ROOK-COFFEEDL

Tot Ion: 45 Resp: 11231

Ion Ratio Lower Upper

45 100

46 0.0 17.6 70.2#



#15

Acetone

Concen: 1.767 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL038114.D

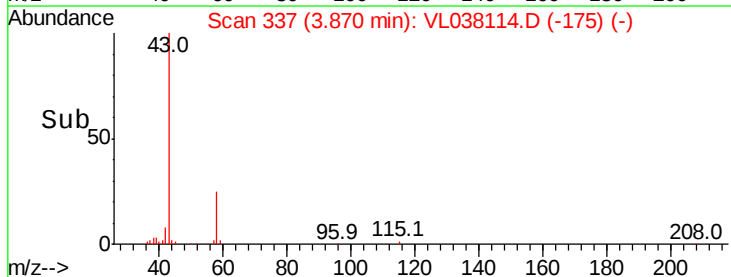
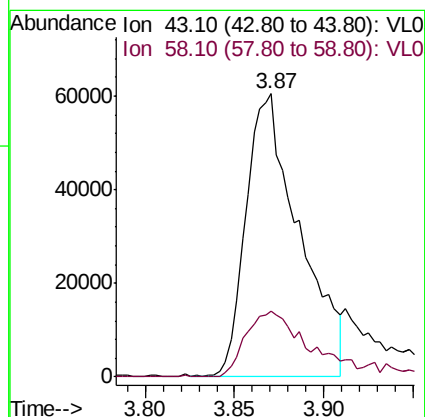
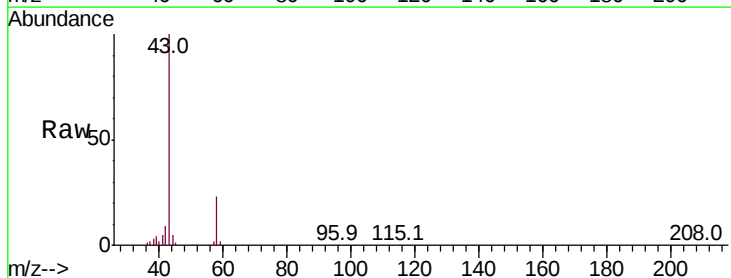
Acq: 24 Nov 2021 00:27

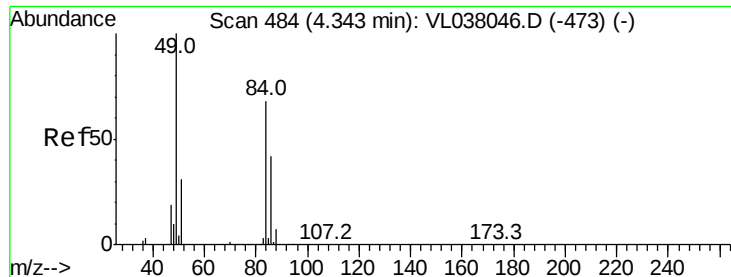
Tgt Ion: 43 Resp: 126306

Ion Ratio Lower Upper

43 100

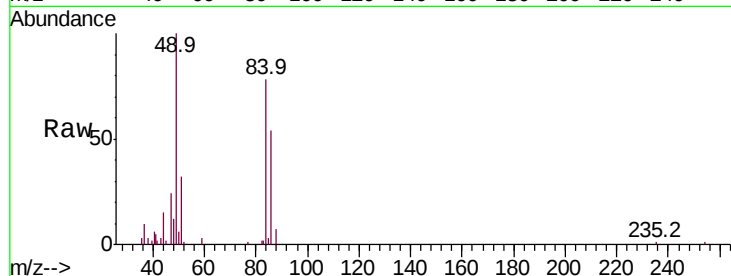
58 32.6 22.4 33.6



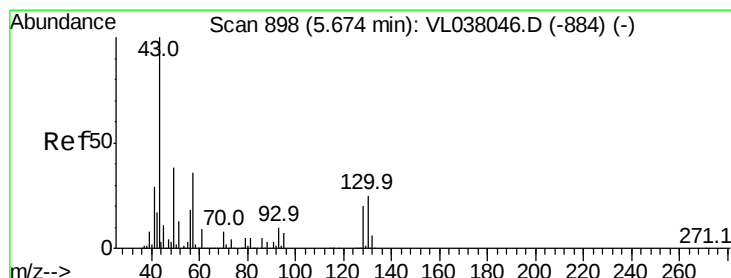
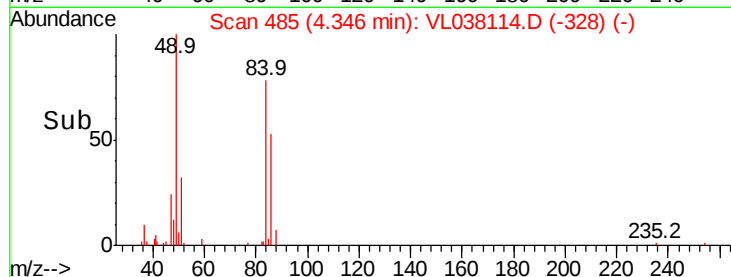
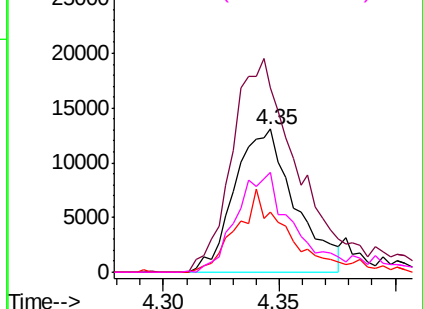


#20
Methvlene Chloride
Concen: 0.592 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Nov 2021 00:27 SG-ROOK-COFFEEDL

Tot Ion:	84	Resp:	23683
Ion	Ratio	Lower	Upper
84	100		
49	128.8	118.2	177.2
51	41.7	36.8	55.2
86	69.0	49.0	73.6

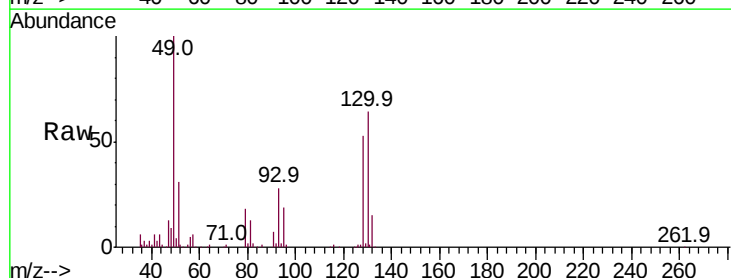


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

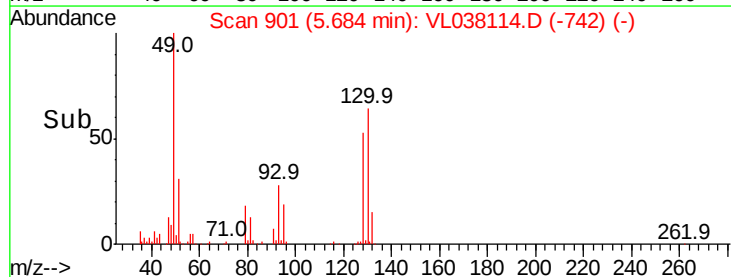
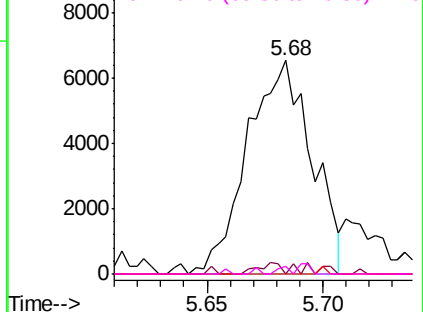


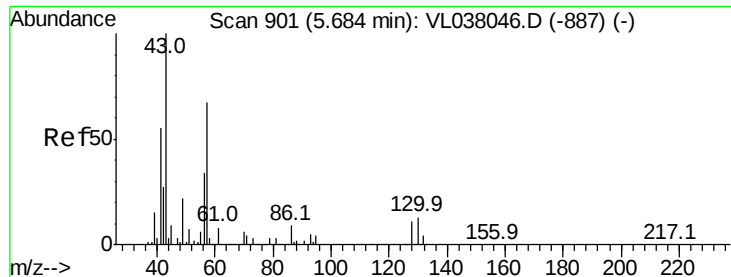
#25
Ethyl Acetate
Concen: 0.053 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL038114.D
Acq: 24 Nov 2021 00:27

Tgt Ion:	43	Resp:	12635
Ion	Ratio	Lower	Upper
43	100		
45	3.9	7.9	11.9#
61	0.0	7.8	11.6#
70	0.6	5.8	8.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.135 ppbv

RT: 5.68

Delta R.T.

Lab File:

Acq: 24 Nov 2021 00:27

Instrument :

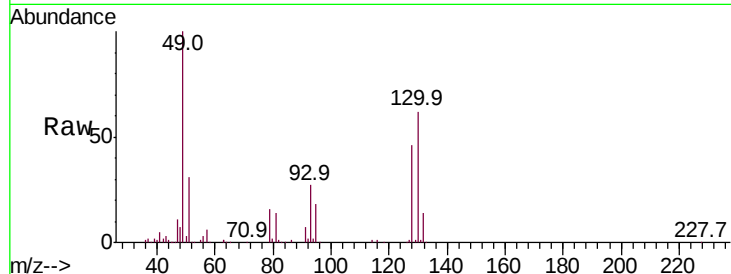
MSVOA_1

ClientSampleId :

SG-ROOK-COFFEEDL

Tot Ion: 57 Resp: 15493

Ion	Ratio	Lower	Upper
57	100		
41	109.0	71.4	107.2#
43	100.2	174.6	261.8#
56	63.1	43.2	64.8



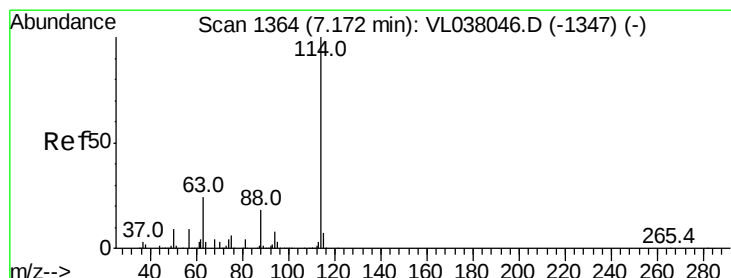
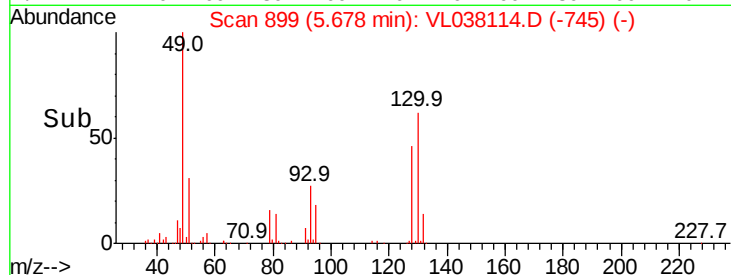
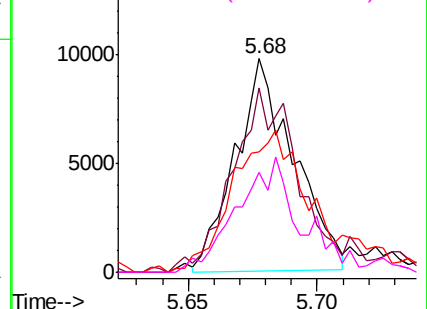
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

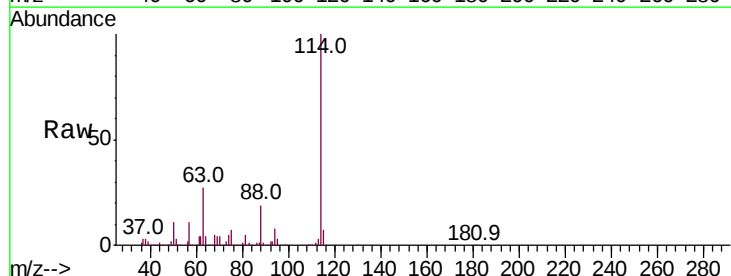
Delta R.T. -0.01 min

Lab File: VL038114.D

Acq: 24 Nov 2021 00:27

Tgt Ion:114 Resp: 2398148

Ion	Ratio	Lower	Upper
114	100		
63	26.4	19.7	29.5
88	18.7	14.4	21.6

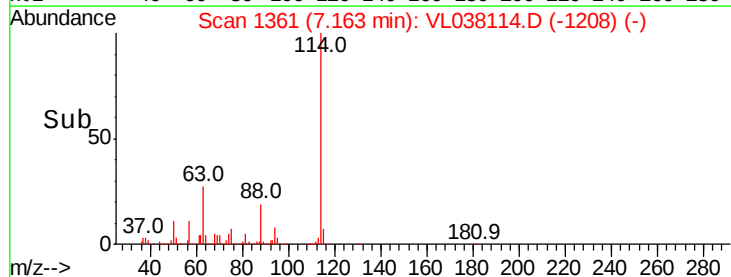
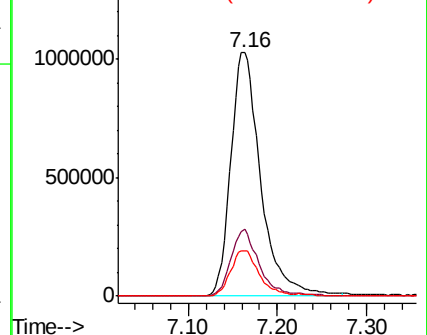


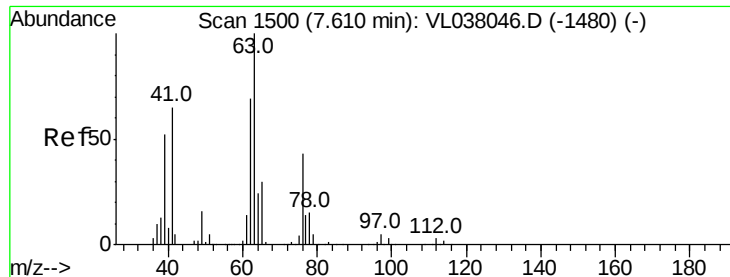
Abundance

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





#39

1,2-Dichloropropane

Concen: 6.746 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Nov 2021 00:27 SG-ROOK-COFFEEDL

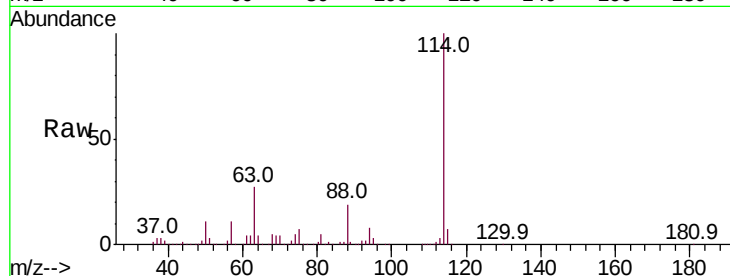
Tot Ion: 63 Resp: 619037

Ion Ratio Lower Upper

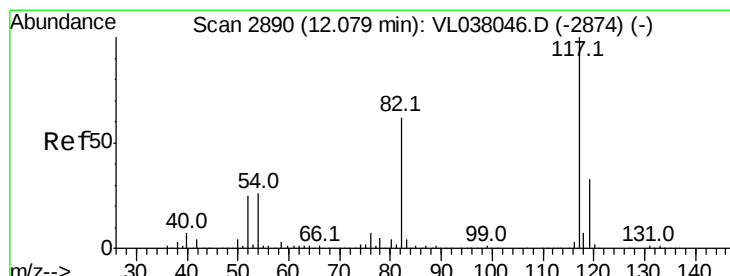
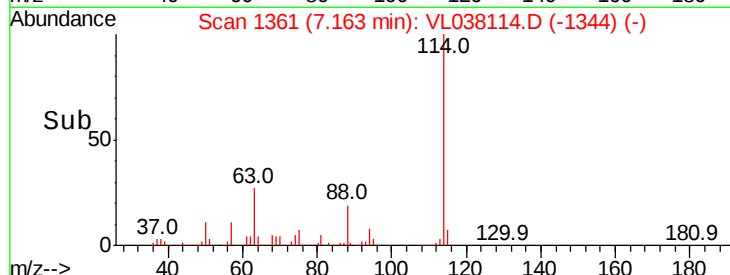
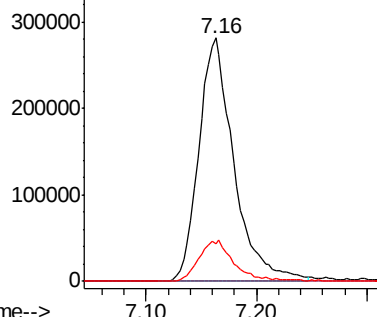
63 100

41 0.0 52.3 78.5#

62 15.5 55.1 82.7#



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: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038114.D

Acq: 24 Nov 2021 00:27

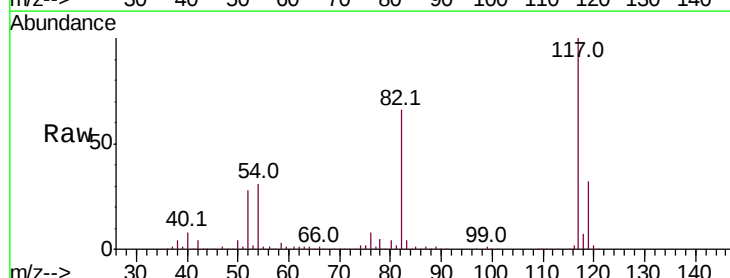
Tgt Ion: 117 Resp: 2096103

Ion Ratio Lower Upper

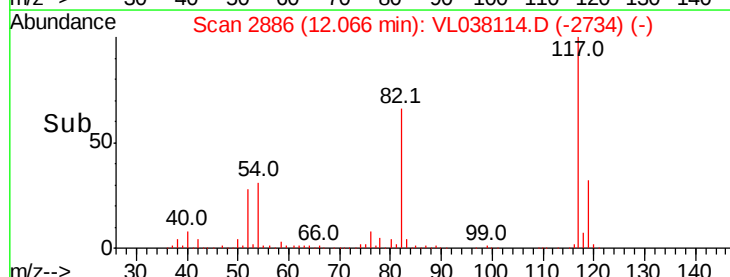
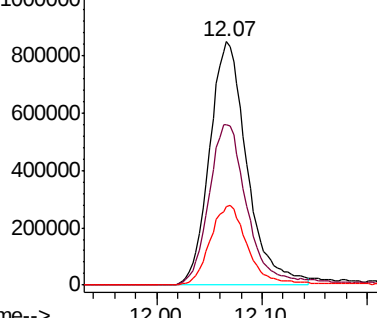
117 100

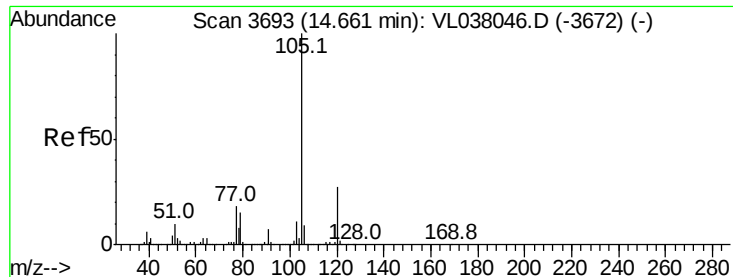
82 69.7 52.8 79.2

119 33.9 26.8 40.2



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





#62

Isopropylbenzene

Concen: 0.031 ppbv

RT: 14.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

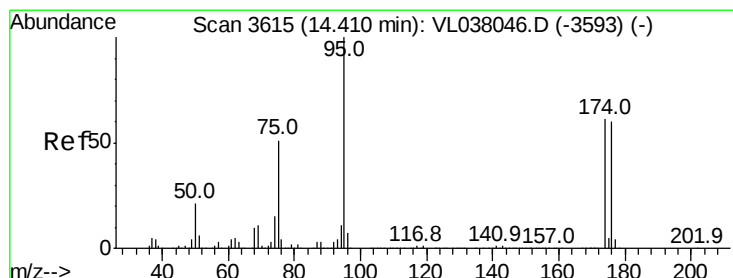
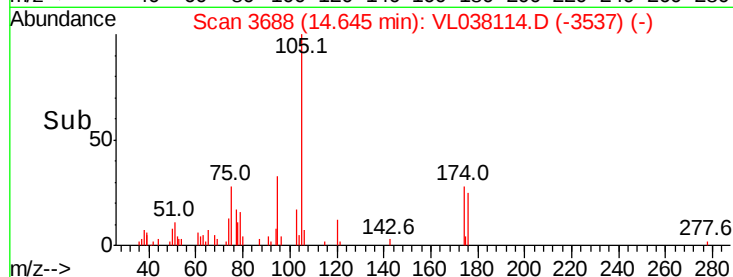
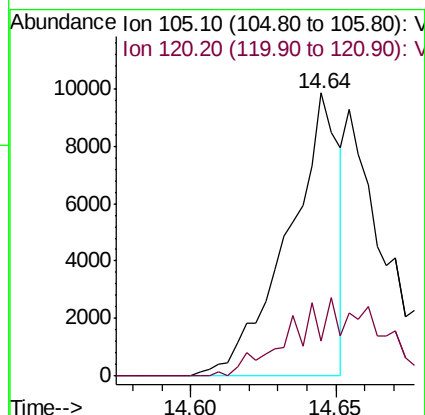
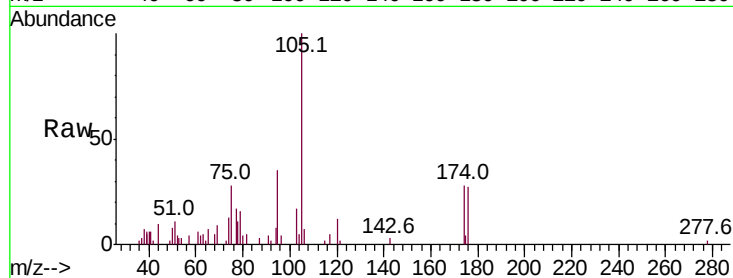
Acq: 24 Nov 2021 00:27

Tot Ion: 105 Resp: 11968

Ion Ratio Lower Upper

105 100

120 46.5 21.8 32.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.795 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL038114.D

Acq: 24 Nov 2021 00:27

Tgt Ion: 95 Resp: 1632211

Ion Ratio Lower Upper

95 100

174 62.0 53.1 79.7

175 4.4 4.0 6.0

