

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041357.D
 Acq On : 26 Jun 2024 12:13
 Operator : SY/MD
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

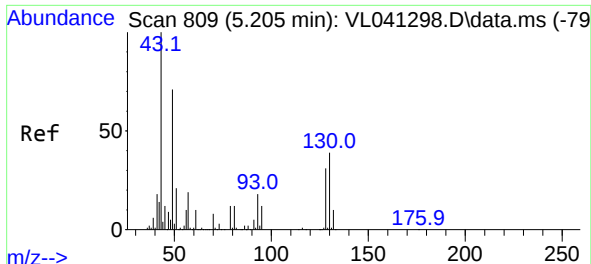
Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 27 08:26:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 12 01:18:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.208	49	1068214	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2851274	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2536894	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1935988	9.884	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.693	51	9204	0.055	ppbv	98
4) Chloromethane	2.832	50	3299	0.052	ppbv	96
5) Vinyl Chloride	2.938	62	2992	0.047	ppbv	97
7) Chloroethane	3.211	64	1122	0.051	ppbv #	68
8) Dichlorotetrafluoroethane	2.873	85	8345	0.053	ppbv	93
9) Propene	2.716	41	2530	0.042	ppbv #	15
11) Trichlorofluoromethane	3.574	101	8036	0.051	ppbv	93
15) Acetone	3.517	43	21780	0.179	ppbv #	83
16) 1,3-Butadiene	3.002	39	2349	0.038	ppbv #	70
17) tert-Butyl alcohol	3.938	59	3503	0.031	ppbv	97
18) 1,1-Dichloroethene	3.896	96	1442	0.031	ppbv #	38
20) Methylene Chloride	3.947	84	11244	0.254	ppbv #	75
24) 1,1-Dichloroethane	4.574	63	4829	0.044	ppbv #	90
26) Hexane	5.224	57	7415	0.068	ppbv #	2
39) 1,2-Dichloropropane	6.668	63	709829	8.066	ppbv #	25
52) Tetrachloroethene	10.629	164	2764	0.034	ppbv #	37

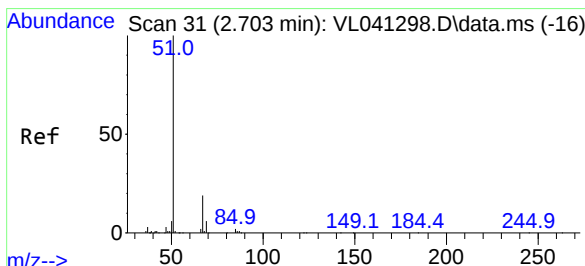
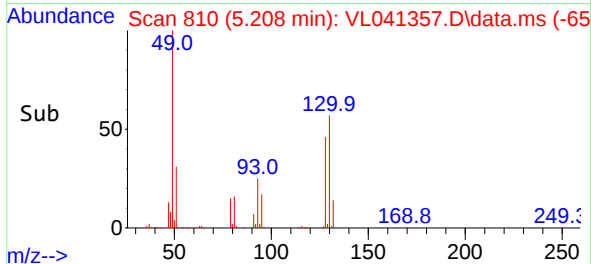
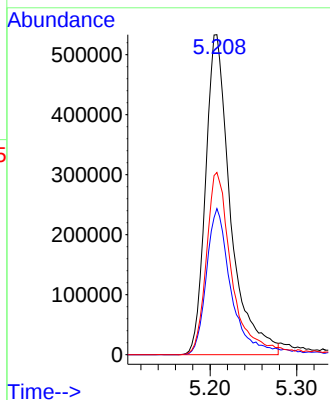
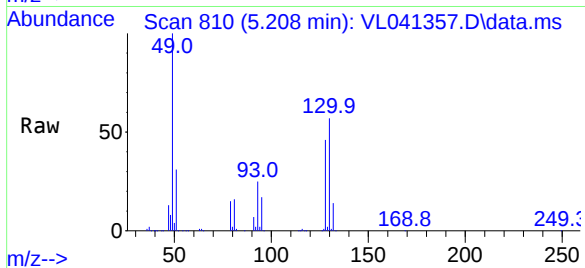
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

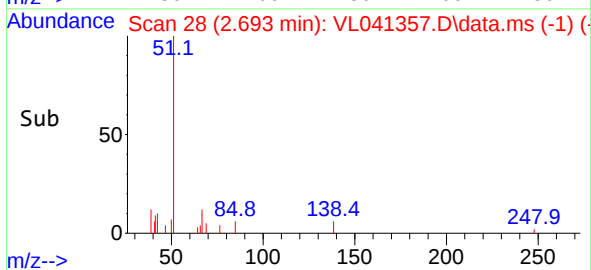
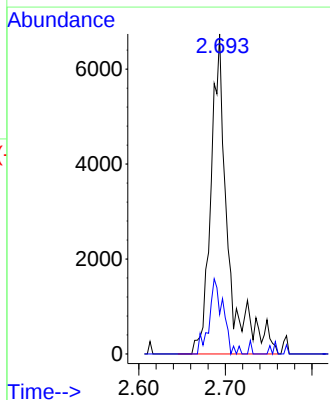
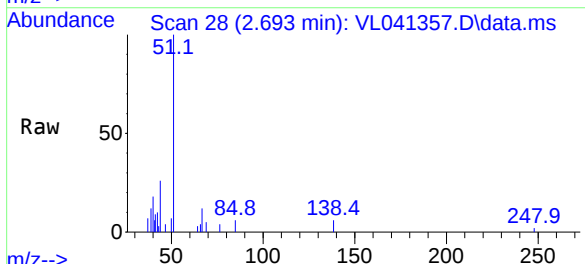
Instrument :
MSVOA_L
ClientSampleId :

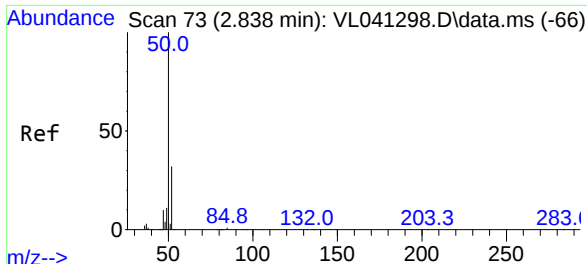
Tgt Ion: 49 Resp: 1068214
Ion Ratio Lower Upper
49 100
128 47.3 22.8 68.3
130 61.1 28.4 85.3



#3
Chlorodifluoromethane
Concen: 0.055 ppbv
RT: 2.693 min Scan# 28
Delta R.T. -0.010 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Tgt Ion: 51 Resp: 9204
Ion Ratio Lower Upper
51 100
67 19.2 14.7 22.1

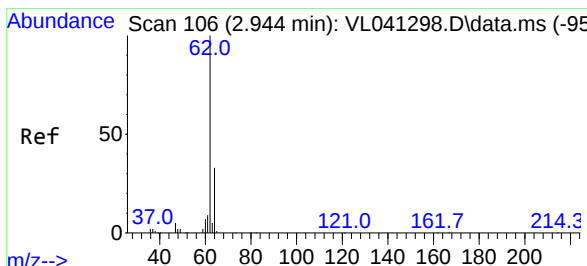
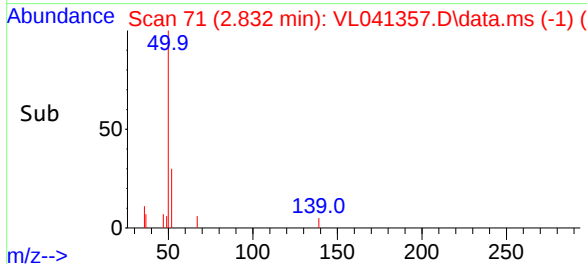
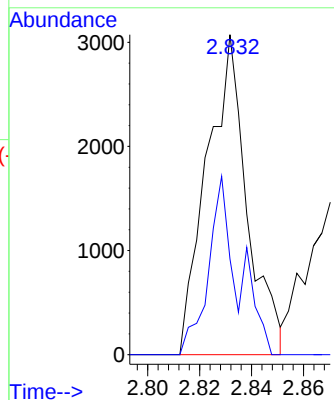
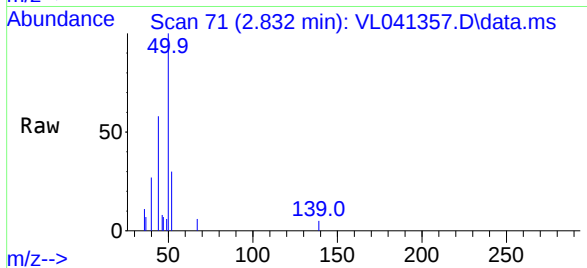




#4
Chloromethane
Concen: 0.052 ppbv
RT: 2.832 min Scan# 71
Delta R.T. -0.006 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

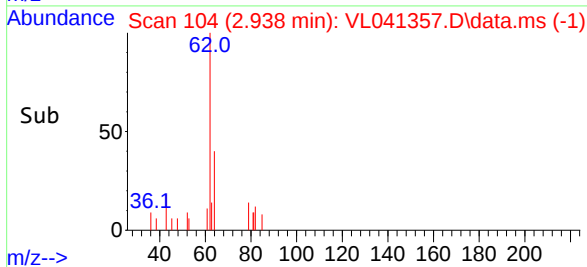
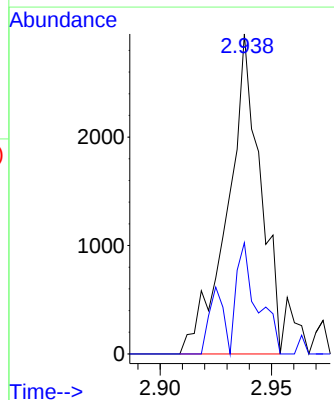
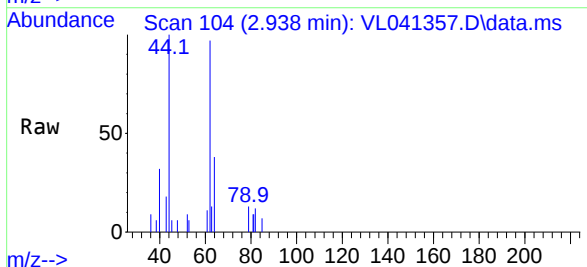
Instrument :
MSVOA_L
ClientSampleId :

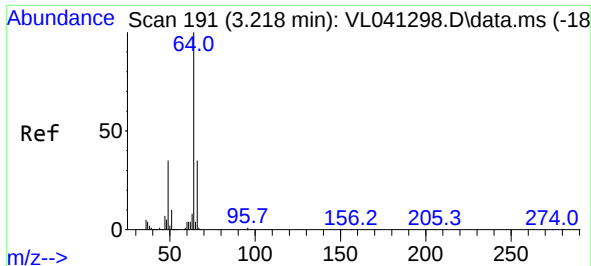
Tgt Ion: 50 Resp: 3299
Ion Ratio Lower Upper
50 100
52 30.0 25.6 38.4



#5
Vinyl Chloride
Concen: 0.047 ppbv
RT: 2.938 min Scan# 104
Delta R.T. -0.006 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Tgt Ion: 62 Resp: 2992
Ion Ratio Lower Upper
62 100
64 34.8 26.6 40.0

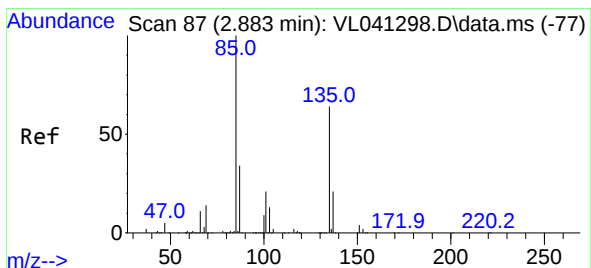
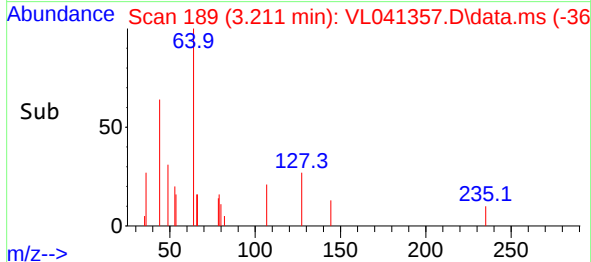
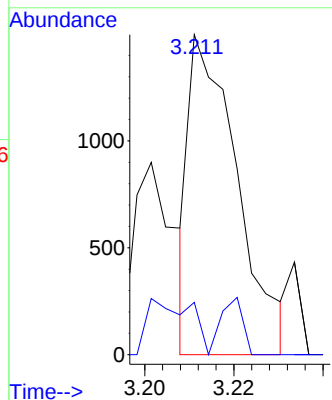
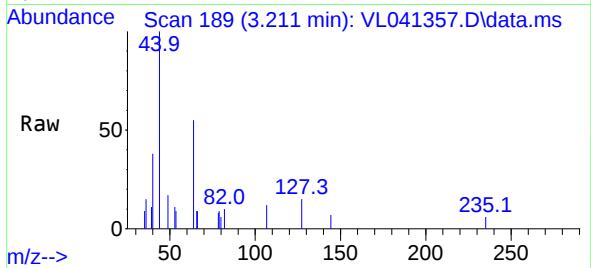




#7
Chloroethane
Concen: 0.051 ppbv
RT: 3.211 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

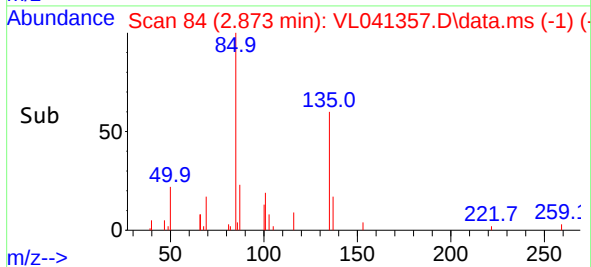
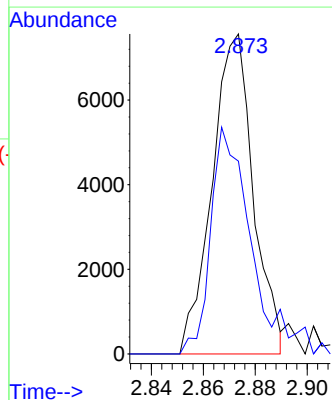
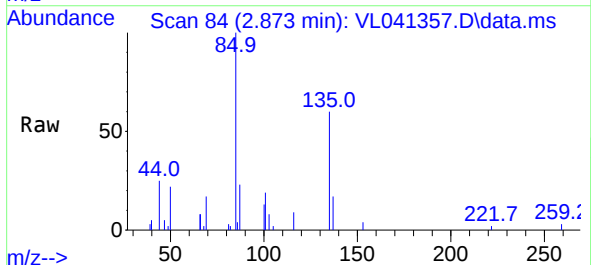
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 1122
Ion Ratio Lower Upper
64 100
66 16.4 28.1 42.1#

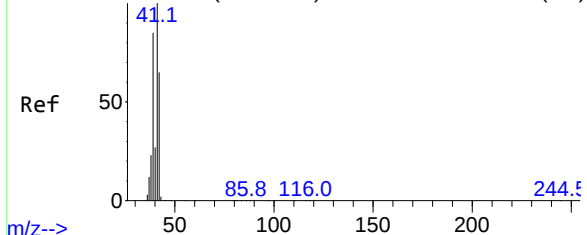


#8
Dichlorotetrafluoroethane
Concen: 0.053 ppbv
RT: 2.873 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Tgt Ion: 85 Resp: 8345
Ion Ratio Lower Upper
85 100
135 70.0 51.7 77.5

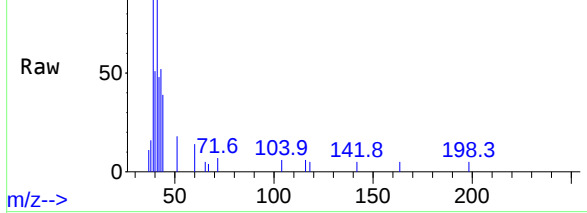


Abundance Scan 37 (2.722 min): VL041298.D\data.ms (-27)



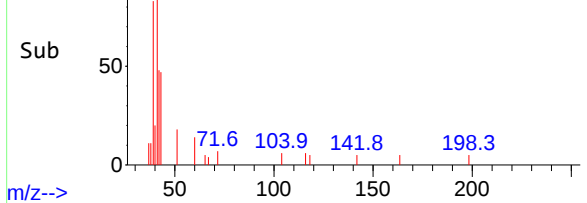
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Abundance Scan 35 (2.716 min): VL041357.D\data.ms



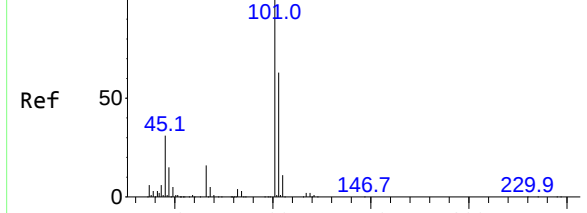
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Abundance Scan 35 (2.716 min): VL041357.D\data.ms (-1)



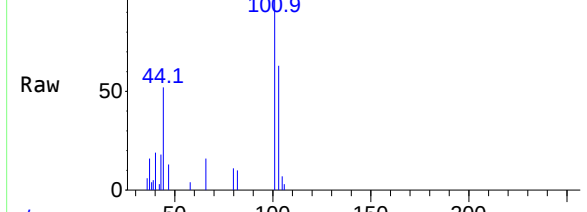
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Abundance Scan 305 (3.584 min): VL041298.D\data.ms (-29)



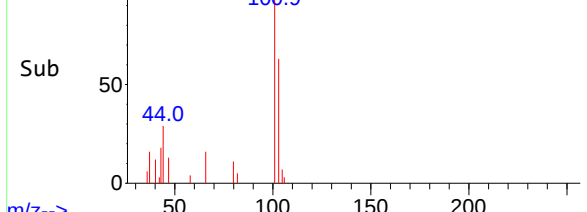
m/z-->

Abundance Scan 302 (3.574 min): VL041357.D\data.ms



m/z-->

Abundance Scan 302 (3.574 min): VL041357.D\data.ms (-15)



m/z-->

#9

Propene

Concen: 0.042 ppbv

RT: 2.716 min Scan# 30

Delta R.T. -0.006 min

Lab File: VL041357.D

Acq: 26 Jun 2024 12:13

Instrument :

MSVOA_L

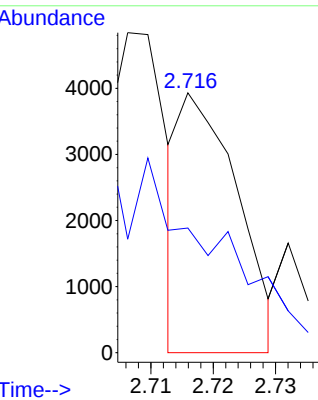
ClientSampleId :

Tgt Ion: 41 Resp: 2530

Ion Ratio Lower Upper

41 100

42 0.0 55.2 82.8#



#11

Trichlorofluoromethane

Concen: 0.051 ppbv

RT: 3.574 min Scan# 302

Delta R.T. -0.010 min

Lab File: VL041357.D

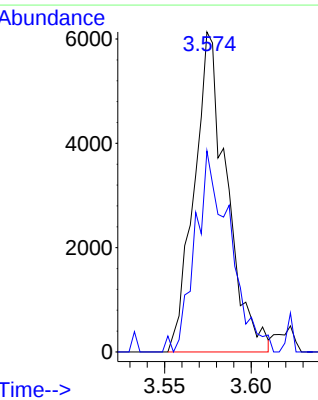
Acq: 26 Jun 2024 12:13

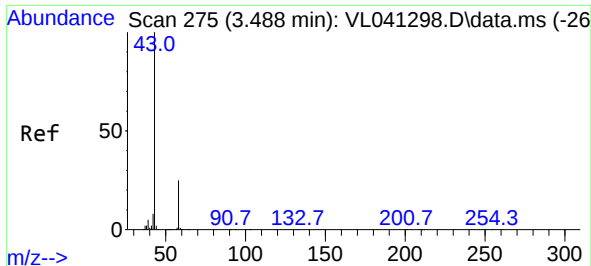
Tgt Ion:101 Resp: 8036

Ion Ratio Lower Upper

101 100

103 57.9 50.6 76.0

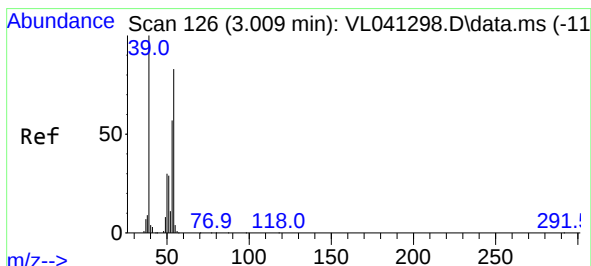
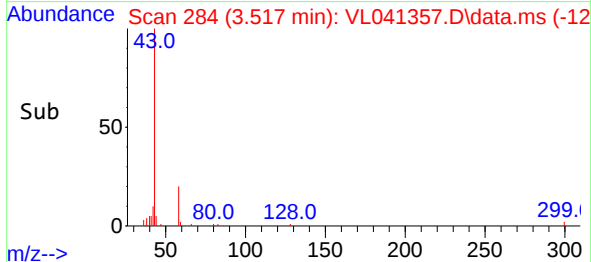
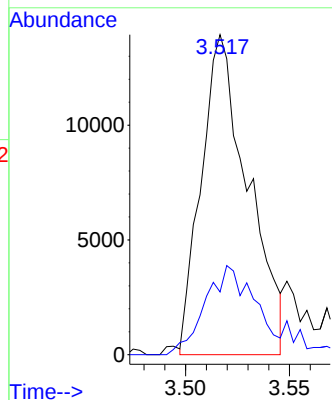
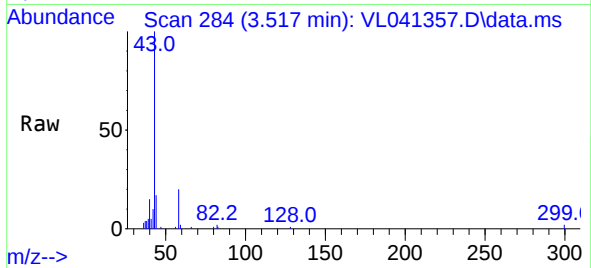




#15
Acetone
Concen: 0.179 ppbv
RT: 3.517 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

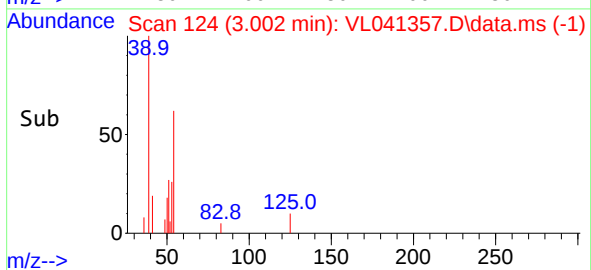
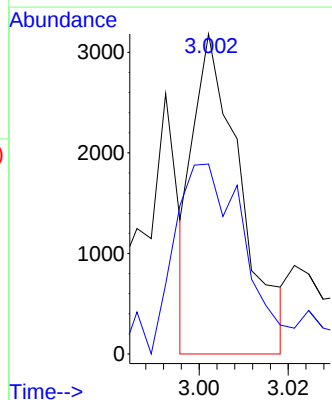
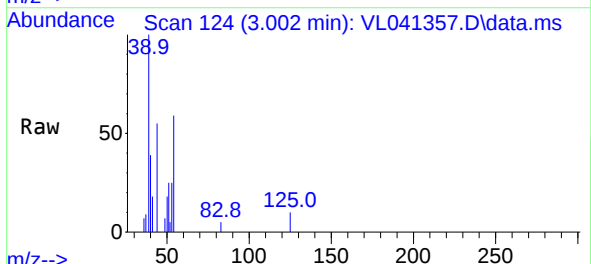
Instrument :
MSVOA_L
ClientSampleId :

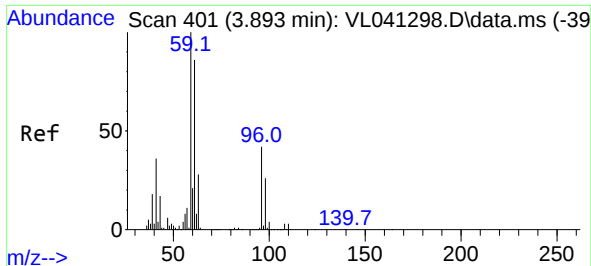
Tgt Ion: 43 Resp: 21780
Ion Ratio Lower Upper
43 100
58 34.2 20.6 31.0#



#16
1,3-Butadiene
Concen: 0.038 ppbv
RT: 3.002 min Scan# 124
Delta R.T. -0.006 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Tgt Ion: 39 Resp: 2349
Ion Ratio Lower Upper
39 100
54 101.4 60.5 90.7#





#17

tert-Butyl alcohol

Concen: 0.031 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.045 min

Lab File: VL041357.D

Acq: 26 Jun 2024 12:13

Instrument :

MSVOA_L

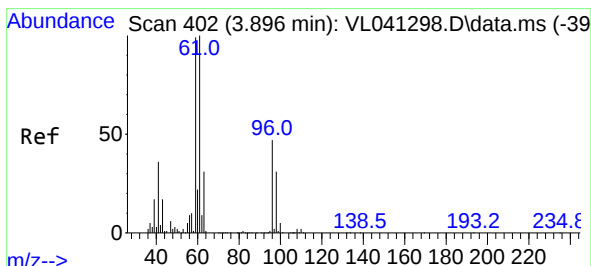
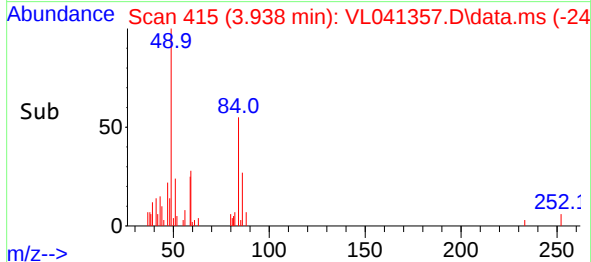
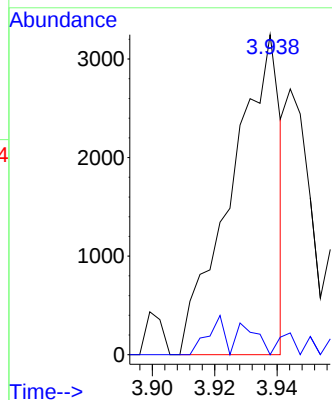
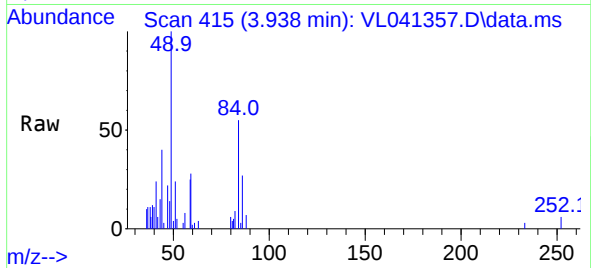
ClientSampleId :

Tgt Ion: 59 Resp: 3503

Ion Ratio Lower Upper

59 100

57 12.5 9.0 13.4



#18

1,1-Dichloroethene

Concen: 0.031 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041357.D

Acq: 26 Jun 2024 12:13

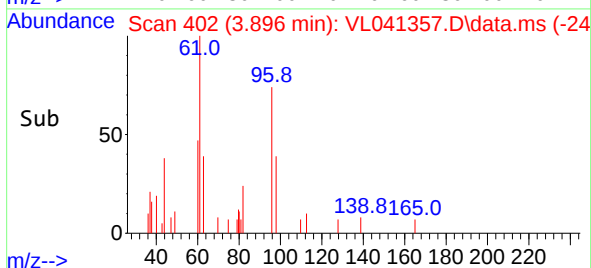
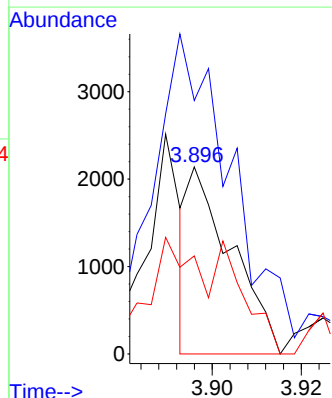
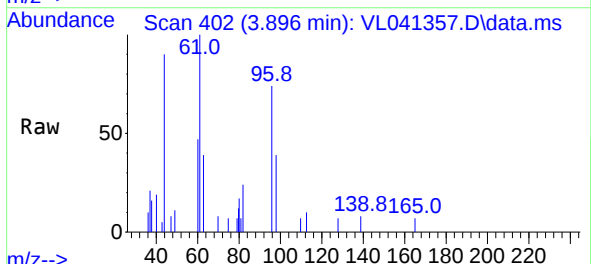
Tgt Ion: 96 Resp: 1442

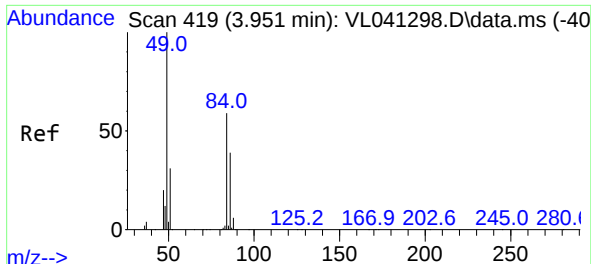
Ion Ratio Lower Upper

96 100

61 94.9 171.8 257.8#

98 52.5 53.1 79.7#

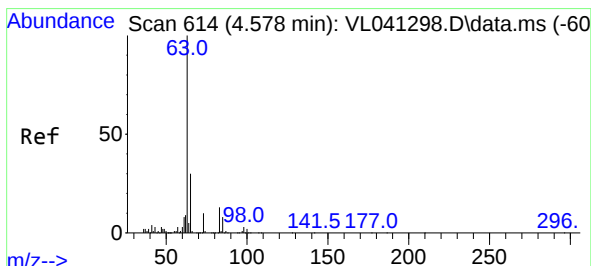
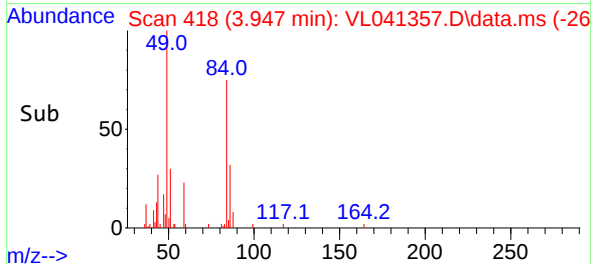
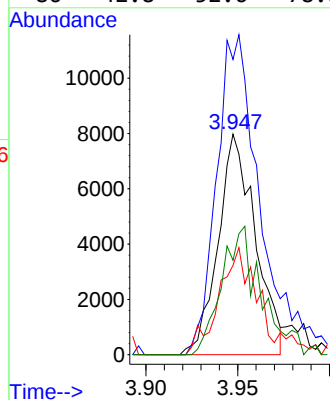
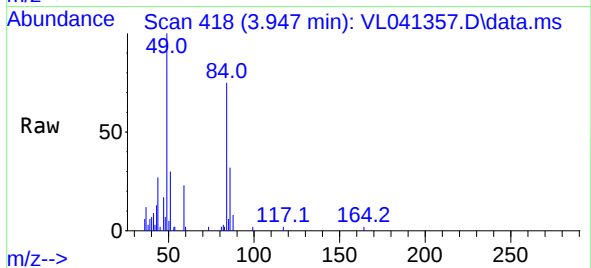




#20
Methylene Chloride
Concen: 0.254 ppbv
RT: 3.947 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

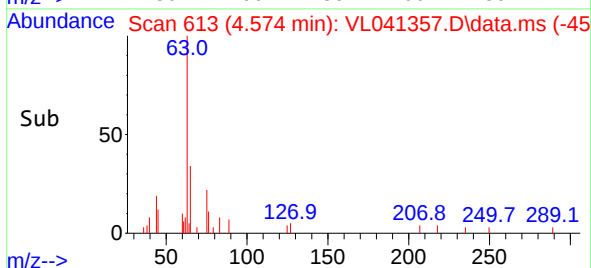
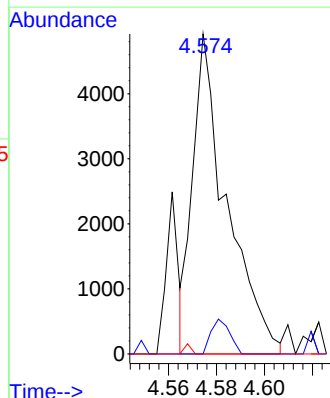
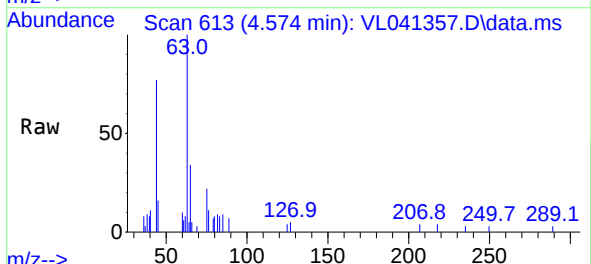
Instrument :
MSVOA_L
ClientSampleId :

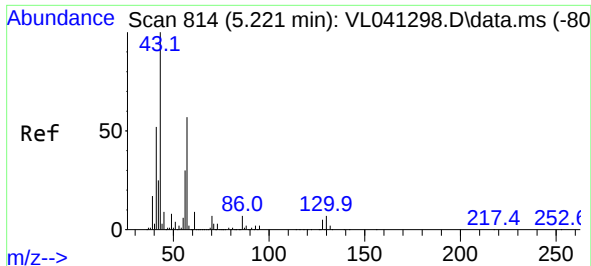
Tgt Ion: 84 Resp: 11244
Ion Ratio Lower Upper
84 100
49 133.9 136.2 204.2#
51 40.5 41.9 62.9#
86 42.8 52.6 78.8#



#24
1,1-Dichloroethane
Concen: 0.044 ppbv
RT: 4.574 min Scan# 613
Delta R.T. -0.003 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

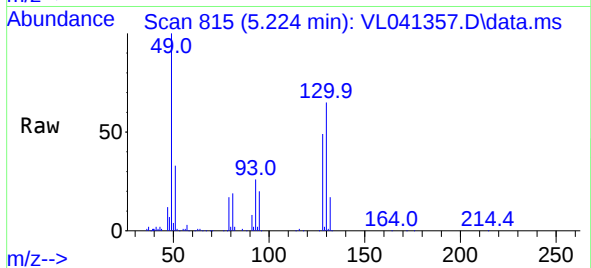
Tgt Ion: 63 Resp: 4829
Ion Ratio Lower Upper
63 100
98 0.0 1.9 5.7#
100 0.0 1.1 3.5#



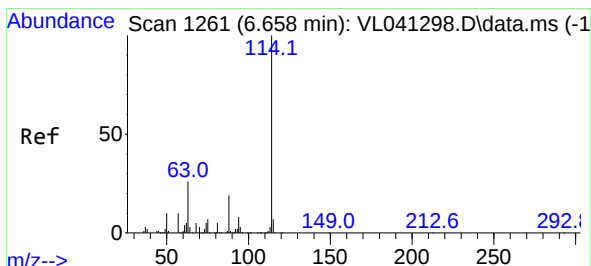
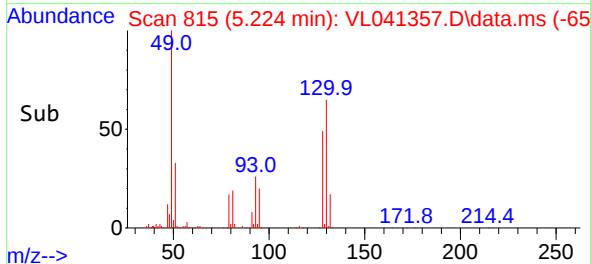
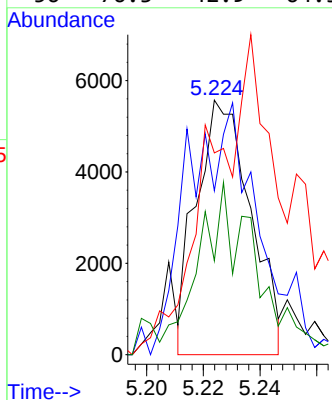


#26
Hexane
Concen: 0.068 ppbv
RT: 5.224 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Instrument :
MSVOA_L
ClientSampleId :

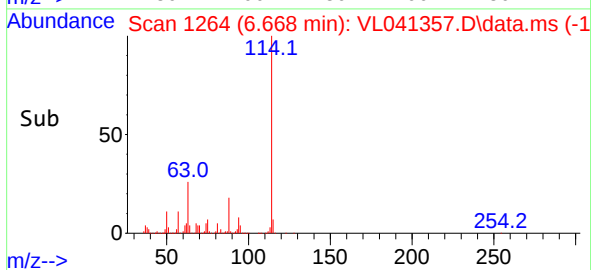
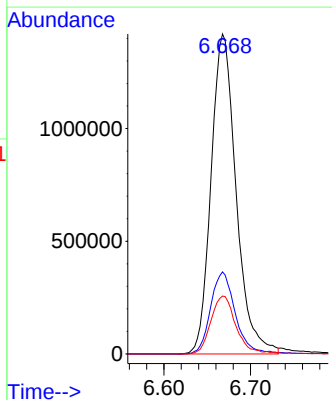
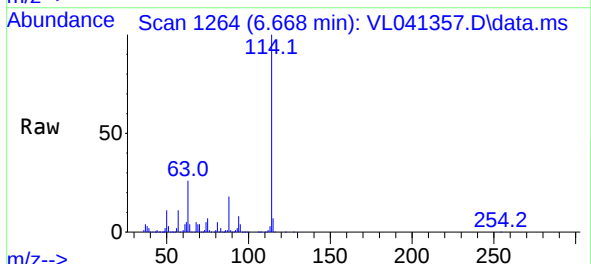


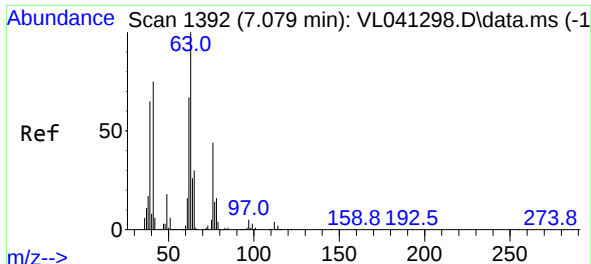
Tgt Ion: 57 Resp: 7415
Ion Ratio Lower Upper
57 100
41 131.3 77.1 115.7#
43 0.0 186.1 279.1#
56 76.3 42.9 64.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Tgt Ion: 114 Resp: 2851274
Ion Ratio Lower Upper
114 100
63 25.6 20.6 30.8
88 18.5 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.066 ppbv

RT: 6.668 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL041357.D

Acq: 26 Jun 2024 12:13

Instrument :

MSVOA_L

ClientSampleId :

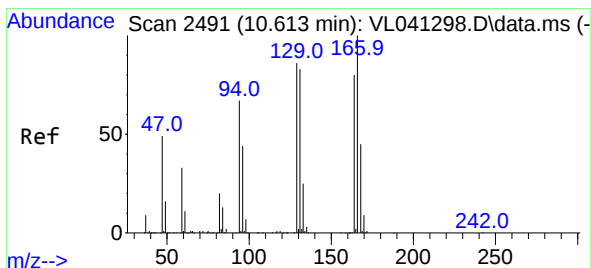
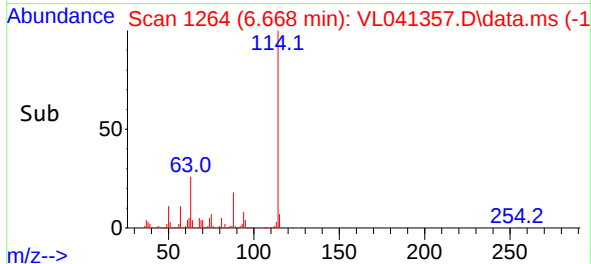
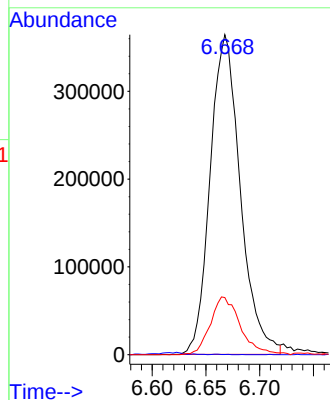
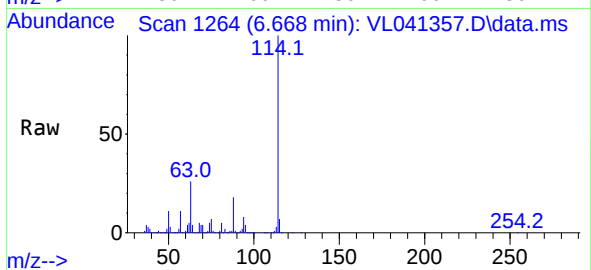
Tgt Ion: 63 Resp: 709829

Ion Ratio Lower Upper

63 100

41 0.1 59.9 89.9#

62 17.7 53.8 80.6#



#52

Tetrachloroethene

Concen: 0.034 ppbv

RT: 10.629 min Scan# 2496

Delta R.T. 0.016 min

Lab File: VL041357.D

Acq: 26 Jun 2024 12:13

Tgt Ion:164 Resp: 2764

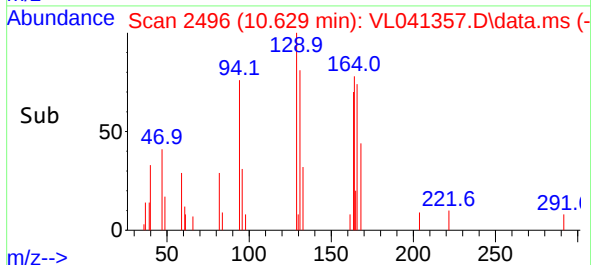
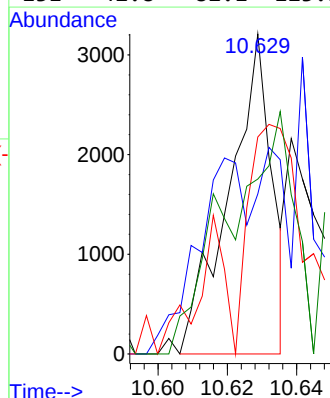
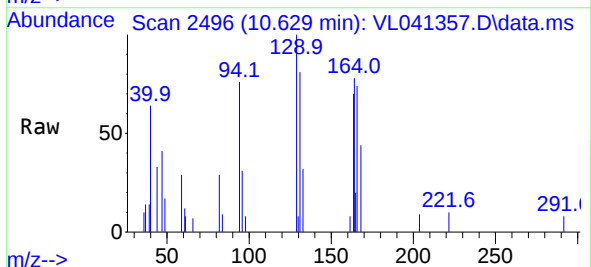
Ion Ratio Lower Upper

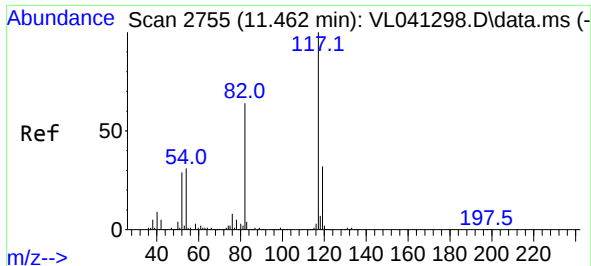
164 100

166 37.1 99.4 149.0#

129 52.5 85.4 128.2#

131 42.8 82.1 123.1#

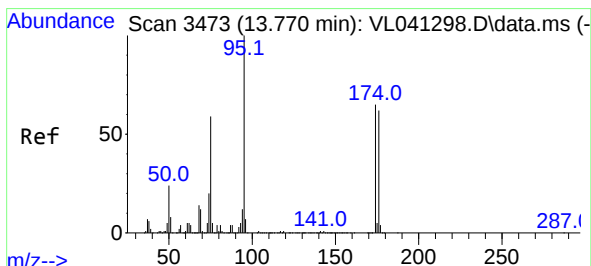
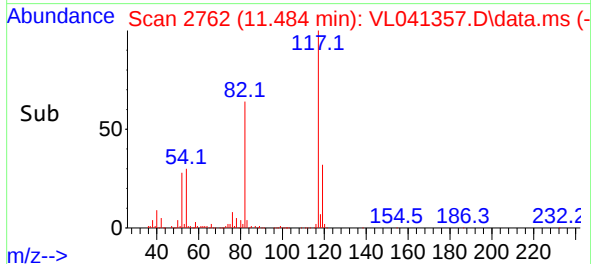
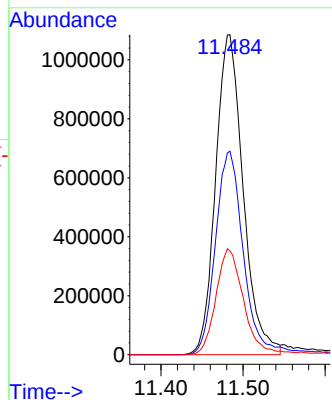
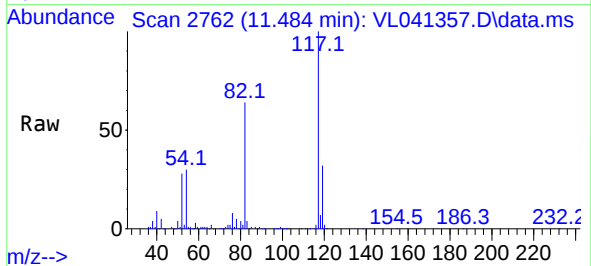




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2536894
Ion Ratio Lower Upper
117 100
82 67.2 52.3 78.5
119 34.2 26.2 39.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.884 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.026 min
Lab File: VL041357.D
Acq: 26 Jun 2024 12:13

Tgt Ion: 95 Resp: 1935988
Ion Ratio Lower Upper
95 100
174 67.2 52.2 78.2
175 4.7 4.1 6.1

