

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041535.D
 Acq On : 12 Aug 2024 14:07
 Operator : SY/MD
 Sample : P3496-06DL2 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL2

Quant Time: Aug 13 02:13:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 13 02:09:20 2024
 Response via : Initial Calibration

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

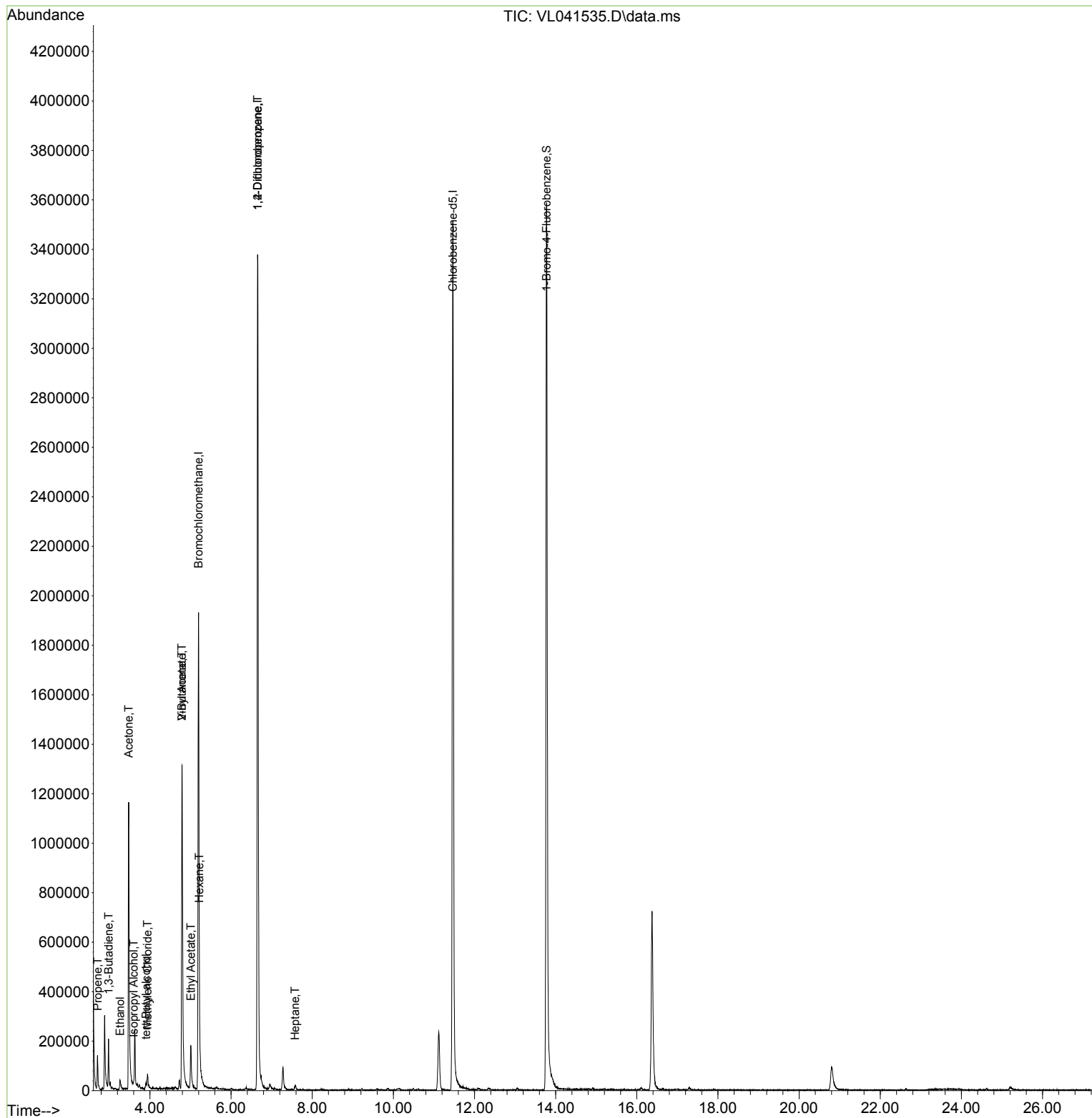
Internal Standards						
1) Bromochloromethane	5.198	49	960135	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.655	114	2513402	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2347282	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1759698	9.742	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
9) Propene	2.710	41	54298	1.034	ppbv	100
10) Heptane	7.581	43	6146	0.052	ppbv #	78
13) Ethanol	3.263	45	35585	7.583	ppbv	81
15) Acetone	3.475	43	1221887	11.201	ppbv	96
16) 1,3-Butadiene	2.980	39	45367	0.778	ppbv #	23
17) tert-Butyl alcohol	3.906	59	13937	0.140	ppbv #	94
19) Isopropyl Alcohol	3.600	45	17932	0.281	ppbv #	93
20) Methylene Chloride	3.941	84	17922	0.441	ppbv	98
23) Vinyl Acetate	4.790	43	1679974	20.164	ppbv #	90
25) Ethyl Acetate	5.009	43	24111	0.111	ppbv #	1
26) Hexane	5.218	57	6226	0.069	ppbv #	1
34) 2-Butanone	4.790	43	1679974	13.818	ppbv	99
39) 1,2-Dichloropropane	6.655	63	628500	8.939	ppbv #	26

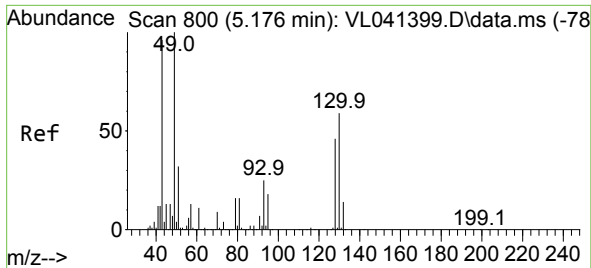
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 13 02:13:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 13 02:09:20 2024
Response via : Initial Calibration

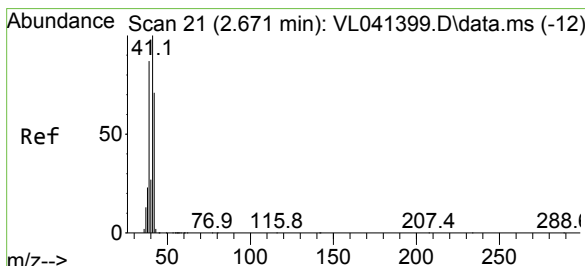
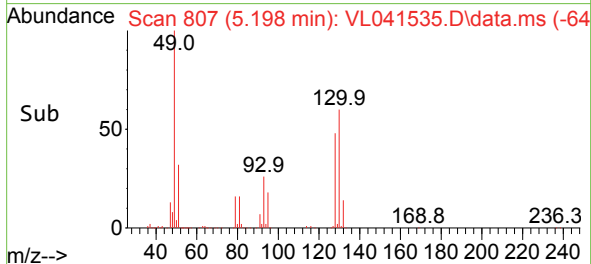
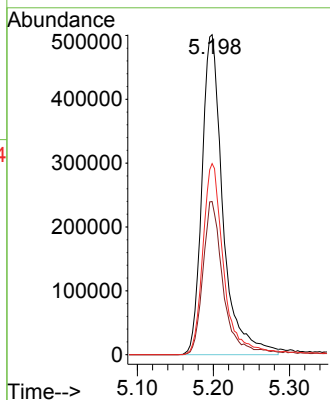
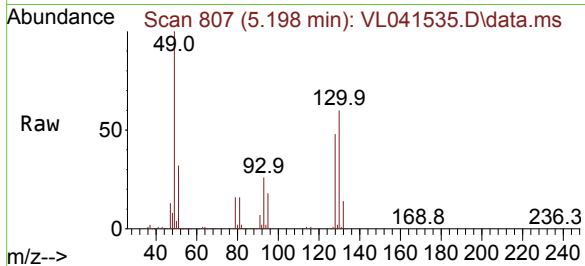




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

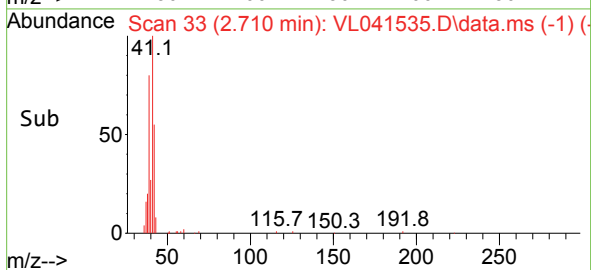
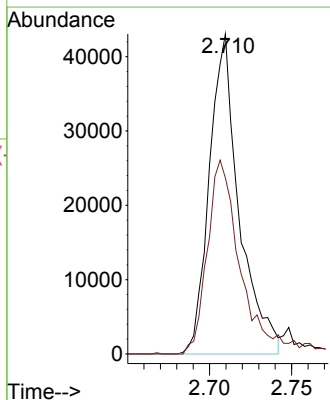
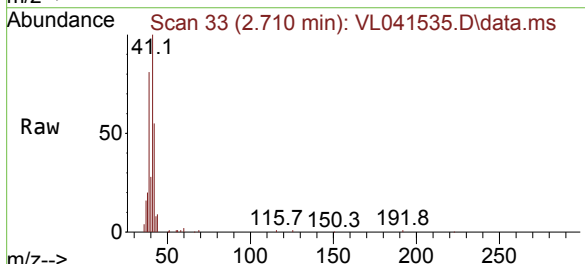
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

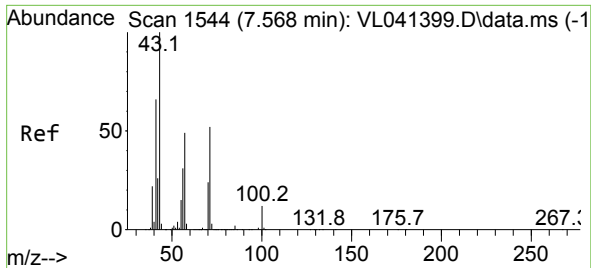
Tgt Ion: 49 Resp: 960135
Ion Ratio Lower Upper
49 100
128 47.8 23.8 71.4
130 60.6 30.8 92.4



#9
Propene
Concen: 1.034 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.016 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

Tgt Ion: 41 Resp: 54298
Ion Ratio Lower Upper
41 100
42 70.1 55.9 83.9

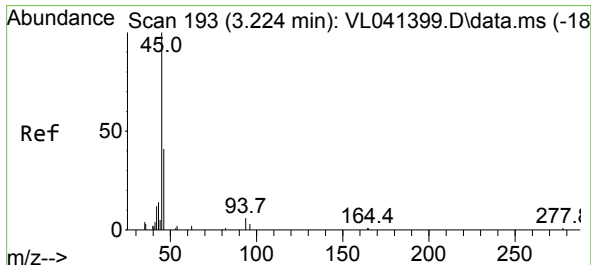
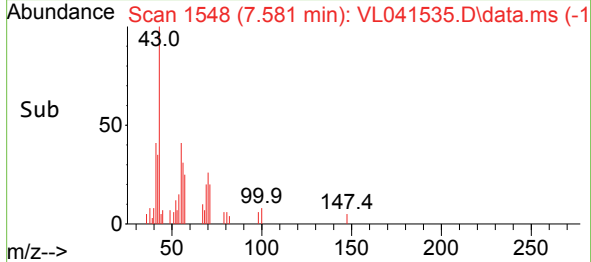
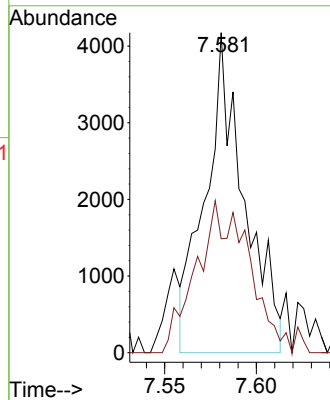
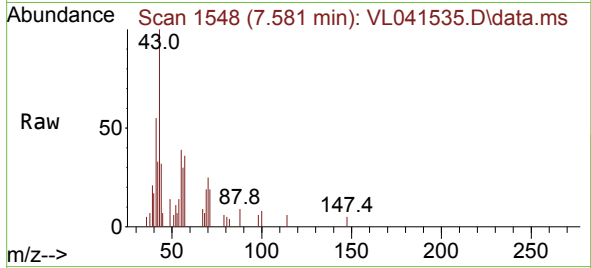




#10
Heptane
Concen: 0.052 ppbv
RT: 7.581 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

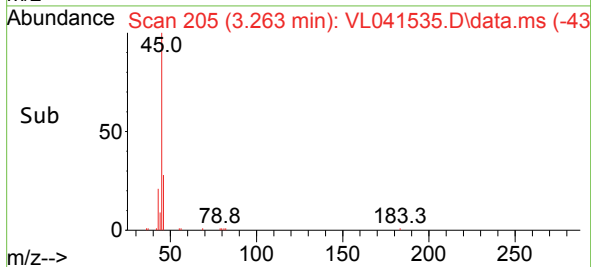
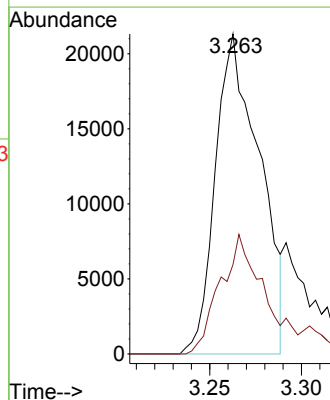
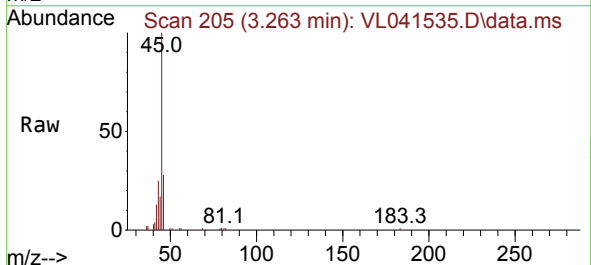
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

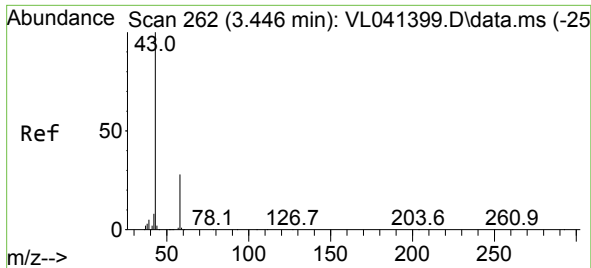
Tgt Ion: 43 Resp: 6146
Ion Ratio Lower Upper
43 100
57 65.6 40.5 60.7#



#13
Ethanol
Concen: 7.583 ppbv
RT: 3.263 min Scan# 205
Delta R.T. 0.019 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

Tgt Ion: 45 Resp: 35585
Ion Ratio Lower Upper
45 100
46 44.3 13.4 53.4

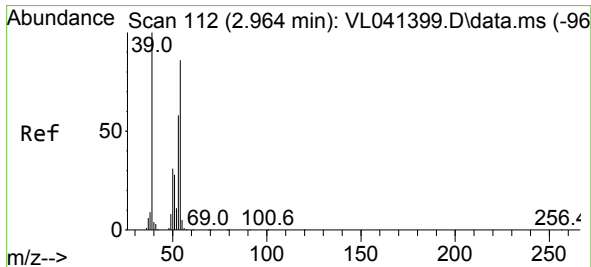
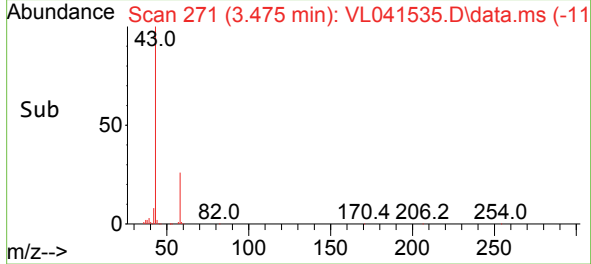
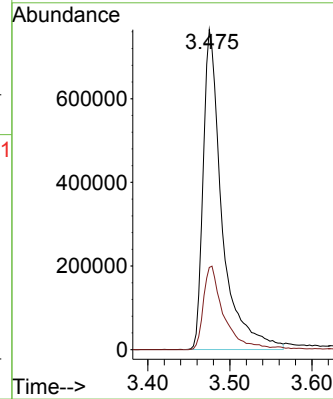
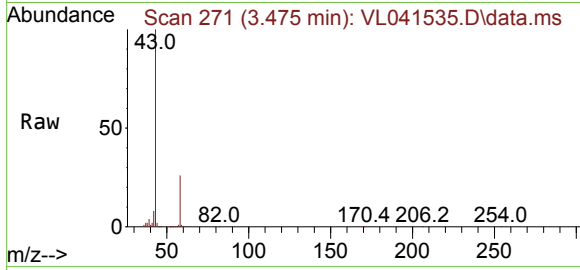




#15
Acetone
Concen: 11.201 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

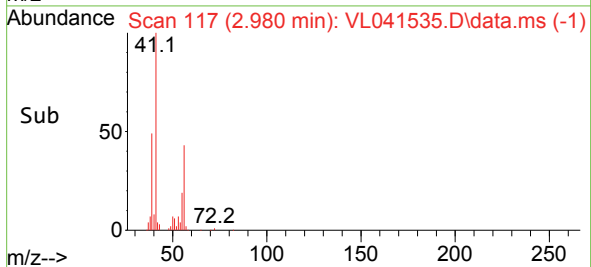
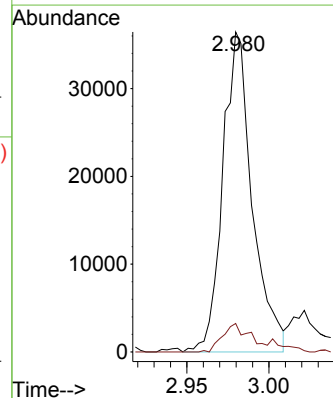
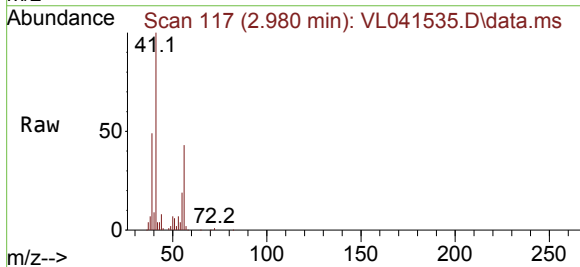
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

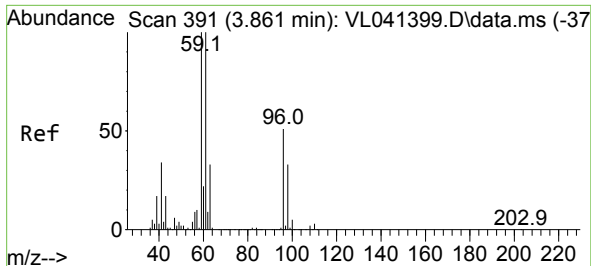
Tgt Ion: 43 Resp: 1221887
Ion Ratio Lower Upper
43 100
58 28.9 21.4 32.2



#16
1,3-Butadiene
Concen: 0.778 ppbv
RT: 2.980 min Scan# 117
Delta R.T. -0.006 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

Tgt Ion: 39 Resp: 45367
Ion Ratio Lower Upper
39 100
54 10.6 62.5 93.7#





#17

tert-Butyl alcohol

Concen: 0.140 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.029 min

Lab File: VL041535.D

Acq: 12 Aug 2024 14:07

Instrument :

MSVOA_L

ClientSampleId :

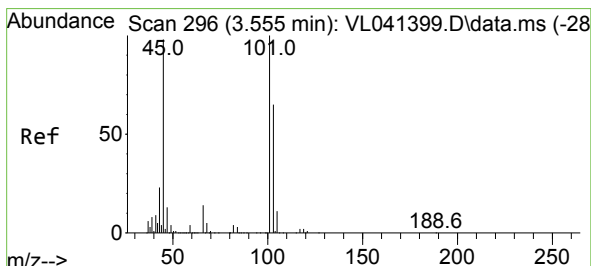
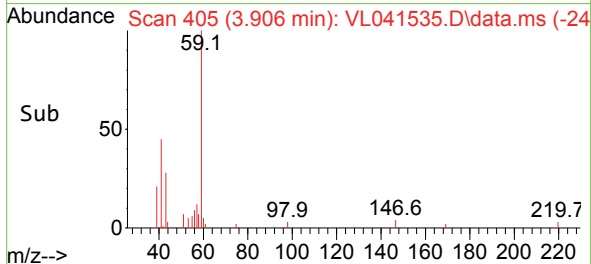
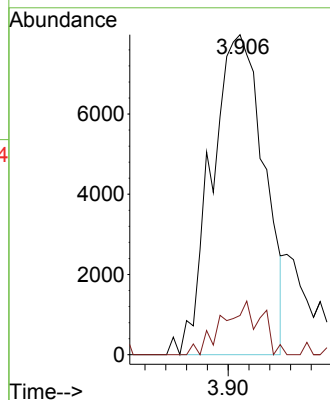
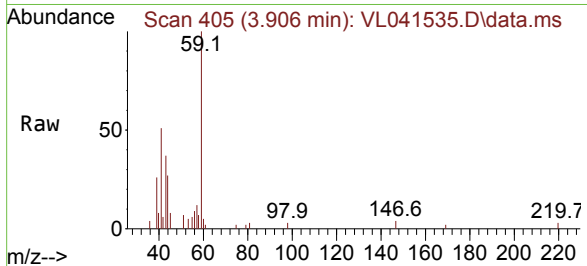
SV-3DL2

Tgt Ion: 59 Resp: 13937

Ion Ratio Lower Upper

59 100

57 13.0 8.6 12.8#



#19

Isopropyl Alcohol

Concen: 0.281 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.026 min

Lab File: VL041535.D

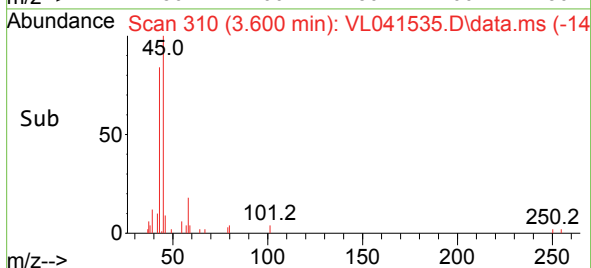
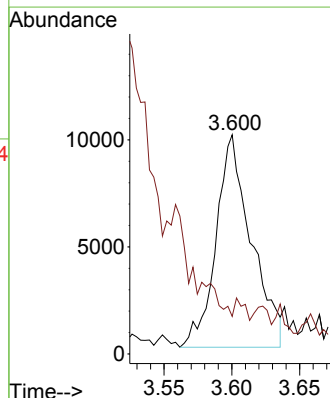
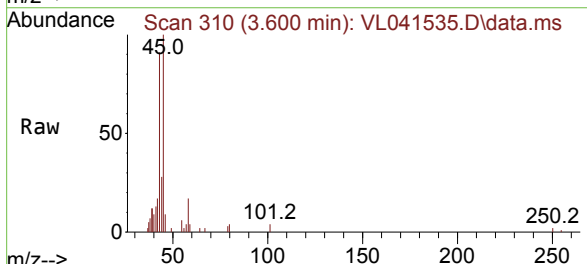
Acq: 12 Aug 2024 14:07

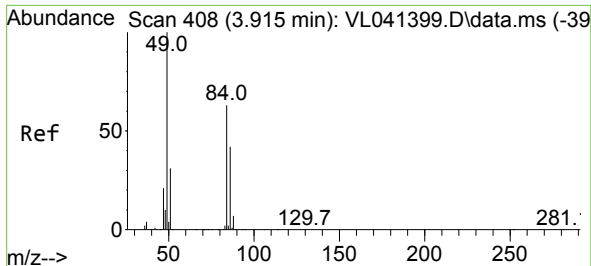
Tgt Ion: 45 Resp: 17932

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#

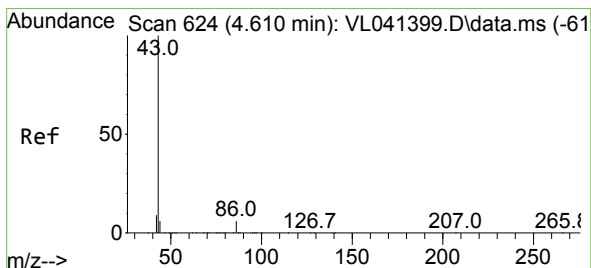
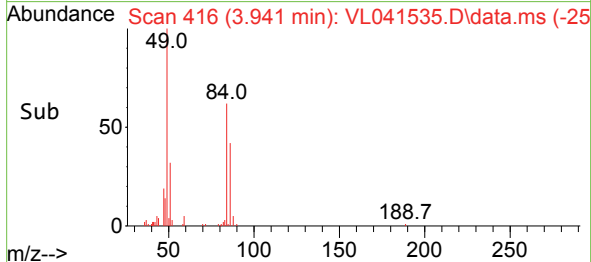
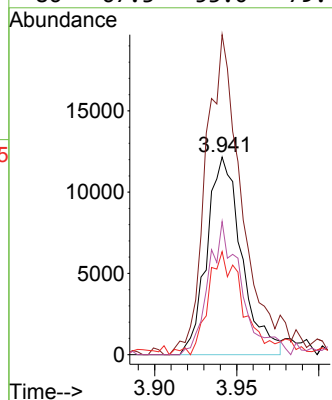
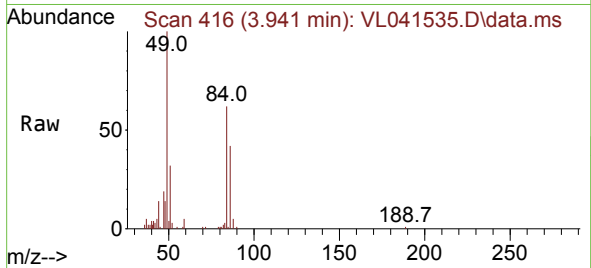




#20
Methylene Chloride
Concen: 0.441 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.010 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

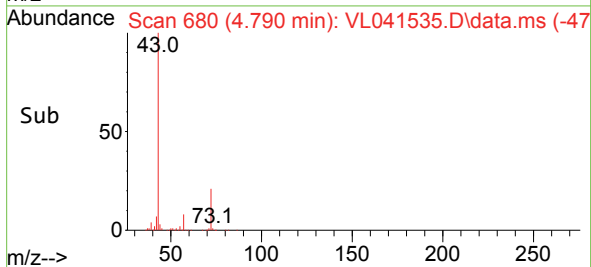
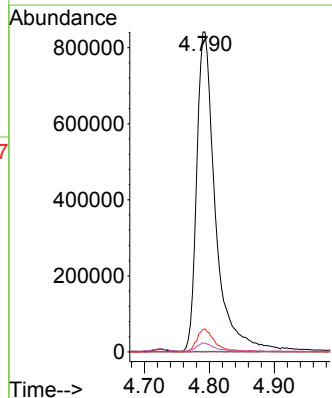
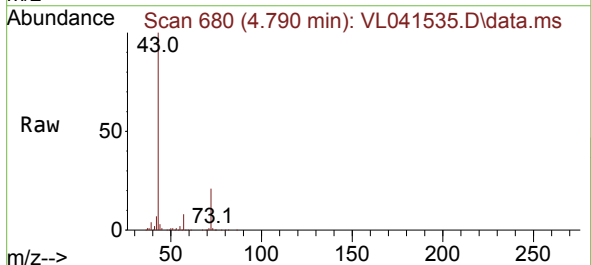
Instrument :
MSVOA_L
ClientSampleId :
SV-3DL2

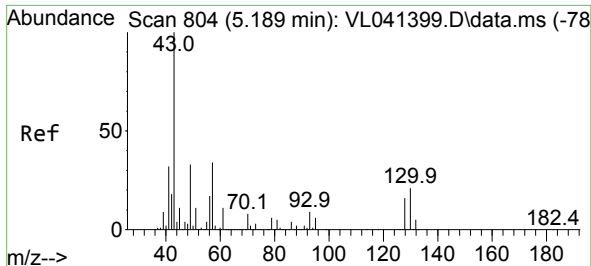
Tgt Ion: 84 Resp: 17922
Ion Ratio Lower Upper
84 100
49 155.0 126.6 190.0
51 50.1 38.6 58.0
86 67.3 53.0 79.4



#23
Vinyl Acetate
Concen: 20.164 ppbv
RT: 4.790 min Scan# 680
Delta R.T. 0.164 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

Tgt Ion: 43 Resp: 1679974
Ion Ratio Lower Upper
43 100
86 0.0 4.6 6.8#
42 7.0 7.9 11.9#
44 2.7 4.2 6.4#

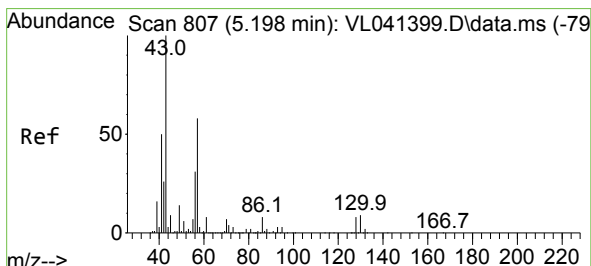
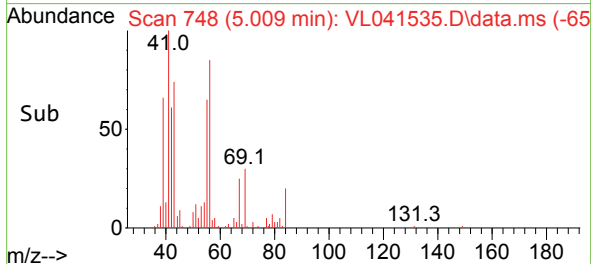
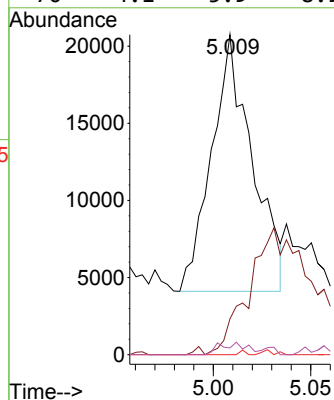
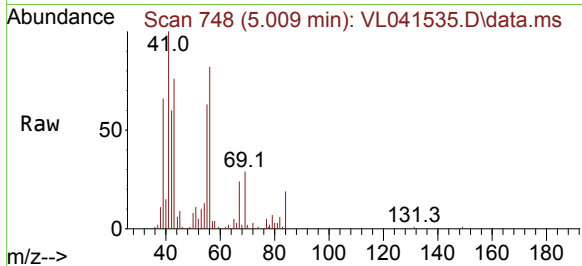




#25
Ethyl Acetate
Concen: 0.111 ppbv
RT: 5.009 min Scan# 741
Delta R.T. -0.193 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

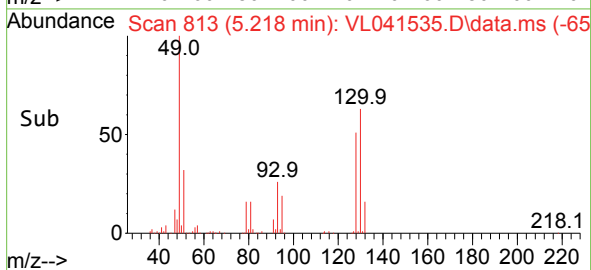
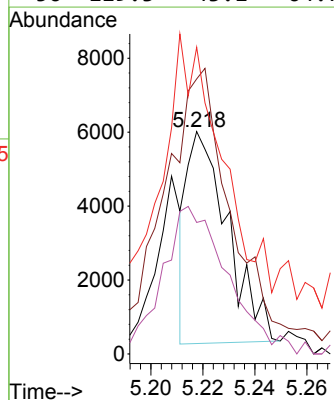
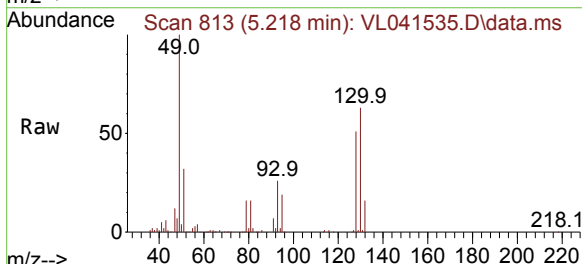
Instrument :
MSVOA_L
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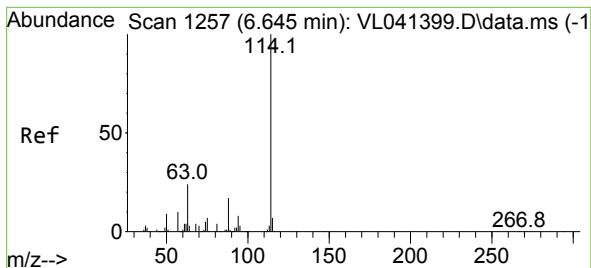
Tgt Ion: 43	Resp: 24111
Ion Ratio	Lower Upper
43 100	
45 99.8	8.5 12.7#
61 0.8	8.0 12.0#
70 4.1	5.9 8.9#



#26
Hexane
Concen: 0.069 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.007 min
Lab File: VL041535.D
Acq: 12 Aug 2024 14:07

Tgt Ion: 57	Resp: 6226
Ion Ratio	Lower Upper
57 100	
41 231.6	74.0 111.0#
43 0.0	193.6 290.4#
56 119.3	43.1 64.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041535.D

Acq: 12 Aug 2024 14:07

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

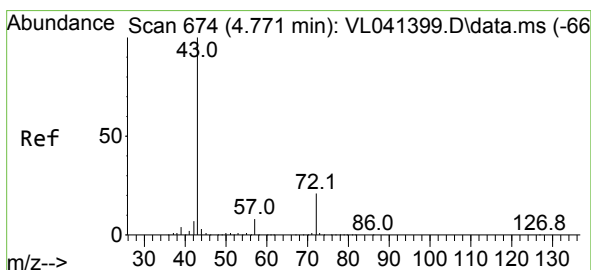
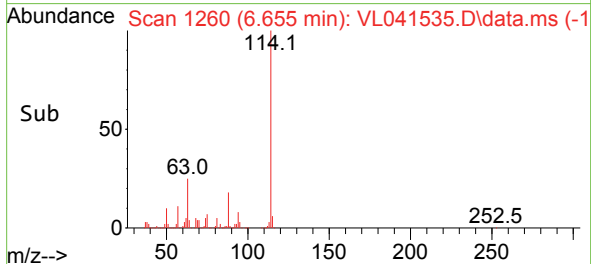
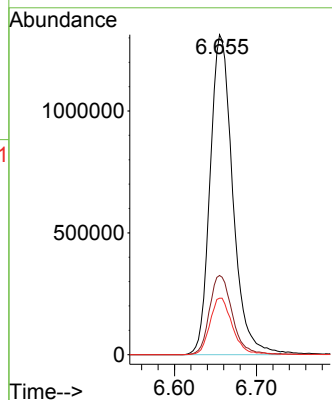
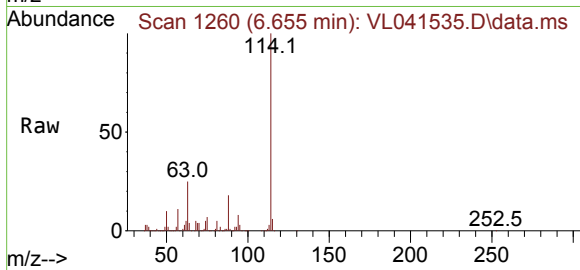
Tgt Ion:114 Resp: 2513402

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 13.818 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.007 min

Lab File: VL041535.D

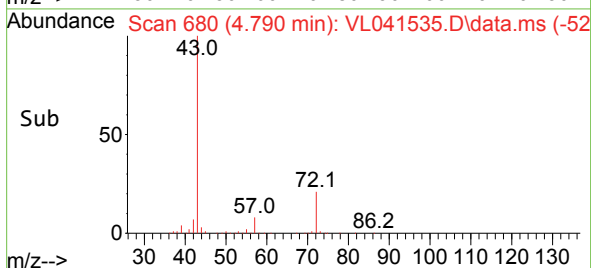
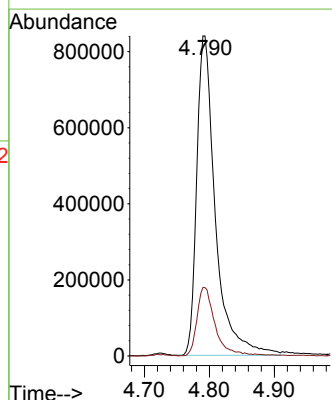
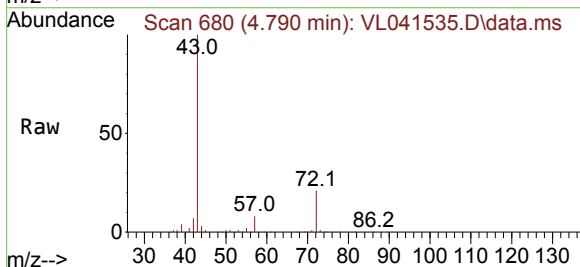
Acq: 12 Aug 2024 14:07

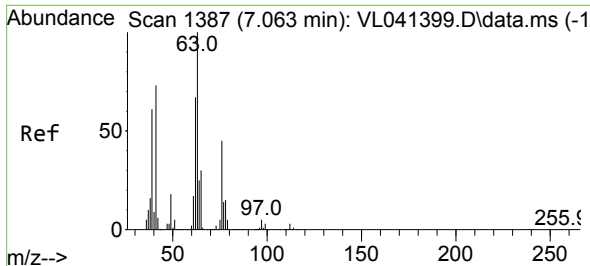
Tgt Ion: 43 Resp: 1679974

Ion Ratio Lower Upper

43 100

72 21.3 17.3 25.9





#39

1,2-Dichloropropane

Concen: 8.939 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.418 min

Lab File: VL041535.D

Acq: 12 Aug 2024 14:07

Instrument :

MSVOA_L

ClientSampleId :

SV-3DL2

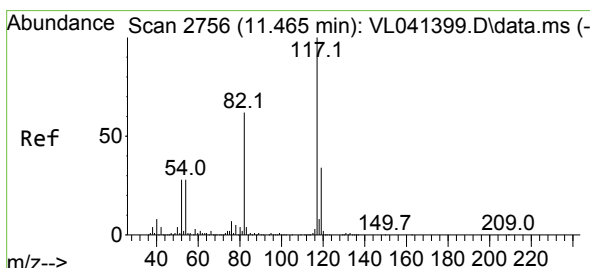
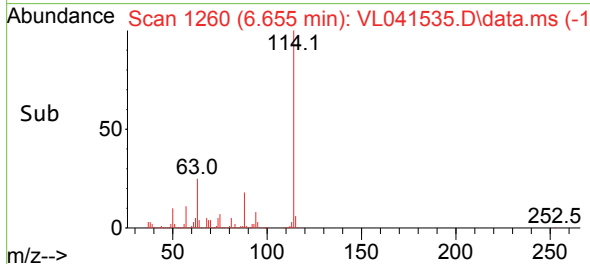
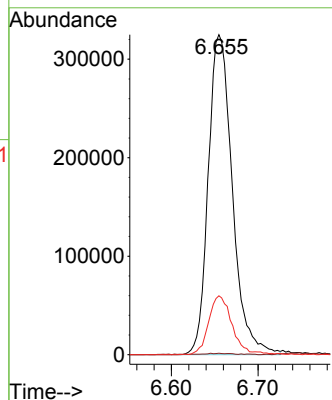
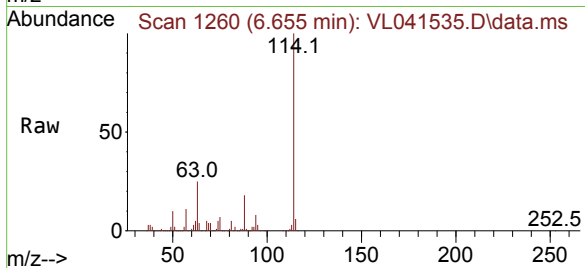
Tgt Ion: 63 Resp: 628500

Ion Ratio Lower Upper

63 100

41 0.3 58.3 87.5#

62 18.4 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. 0.003 min

Lab File: VL041535.D

Acq: 12 Aug 2024 14:07

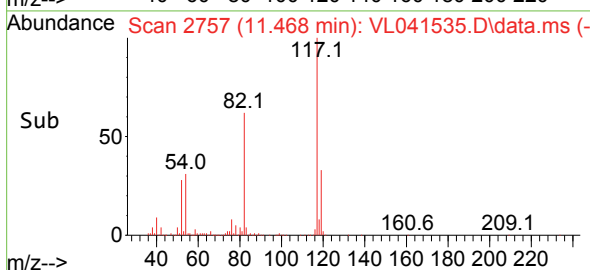
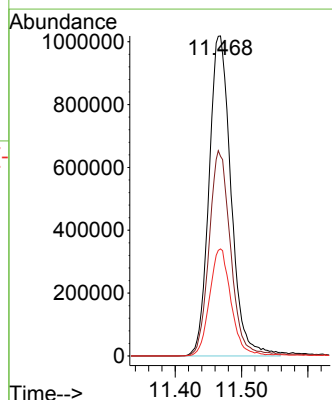
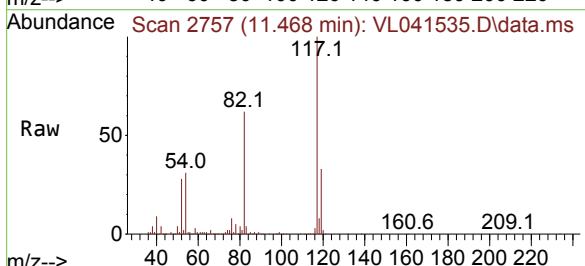
Tgt Ion: 117 Resp: 2347282

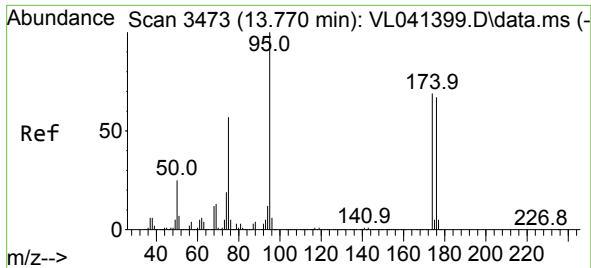
Ion Ratio Lower Upper

117 100

82 64.1 51.0 76.6

119 33.2 45.2 67.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.742 ppbv
 RT: 13.777 min Scan# 34
 Delta R.T. 0.003 min
 Lab File: VL041535.D
 Acq: 12 Aug 2024 14:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3DL2

Tgt Ion: 95 Resp: 1759698

Ion	Ratio	Lower	Upper
95	100		
174	71.7	56.3	84.5
175	4.9	4.0	6.0

