

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041417.D
 Acq On : 26 Jul 2024 12:05
 Operator : SY/MD
 Sample : P3356-01DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1DL

Quant Time: Jul 29 01:48:04 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 : Fri Jul 26 07:31:14 2024
 Response via : Initial Calibration

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

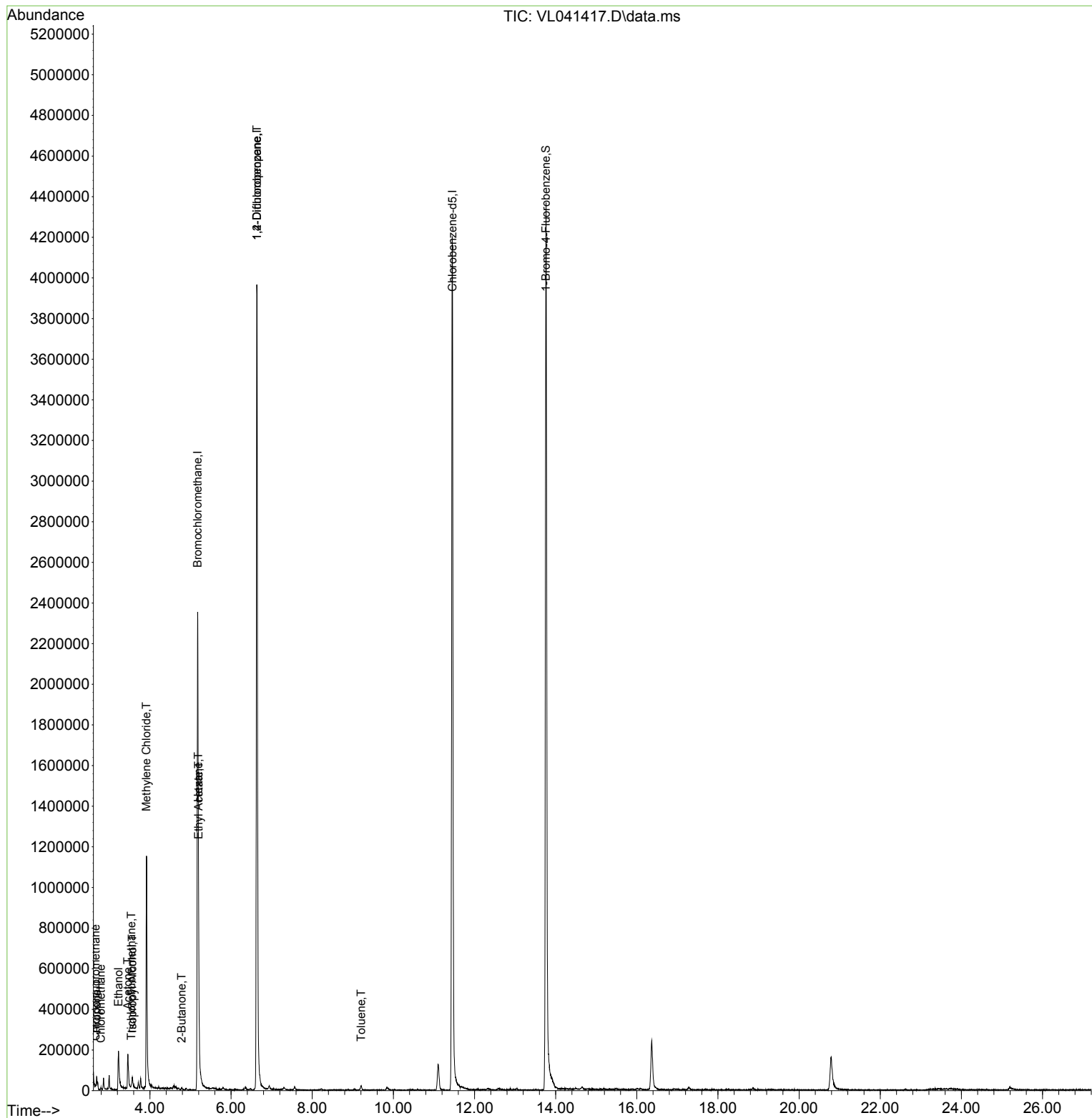
Internal Standards						
1) Bromochloromethane	5.176	49	1090205	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3036597	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2832978	10.000	ppbv	#-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	2147910	9.852	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.658	51	19262	0.148	ppbv	93
4) Chloromethane	2.793	50	4529	0.066	ppbv	98
9) Propene	2.690	41	18037	0.303	ppbv	83
11) Trichlorofluoromethane	3.542	101	8103	0.049	ppbv	87
13) Ethanol	3.224	45	219822	41.253	ppbv	94
15) Acetone	3.455	43	176646	1.426	ppbv	99
19) Isopropyl Alcohol	3.565	45	23099	0.319	ppbv #	70
20) Methylene Chloride	3.915	84	389233	8.426	ppbv	97
25) Ethyl Acetate	5.198	43	144454	0.587	ppbv #	79
26) Hexane	5.195	57	187362	1.835	ppbv #	37
34) 2-Butanone	4.780	43	7430	0.051	ppbv #	67
39) 1,2-Dichloropropane	6.635	63	742083	8.736	ppbv #	25
53) Toluene	9.208	91	11026	0.045	ppbv	100

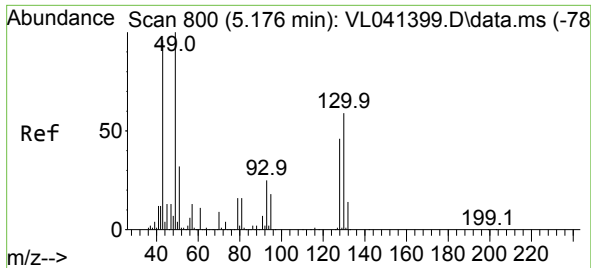
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 29 01:48:04 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 : Fri Jul 26 07:31:14 2024
Response via : Initial Calibration

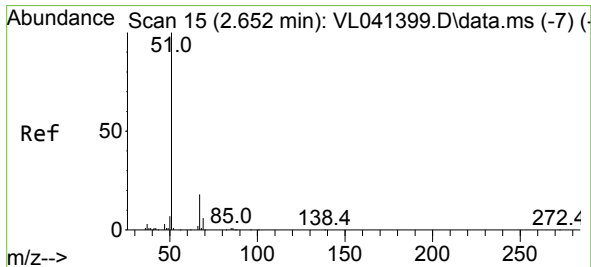
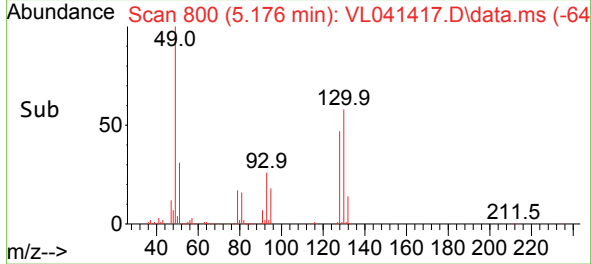
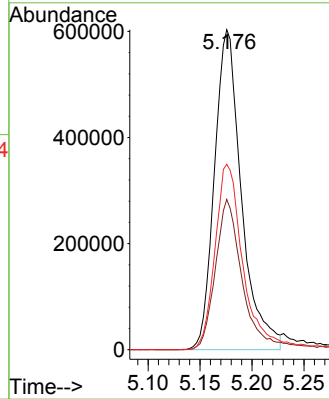
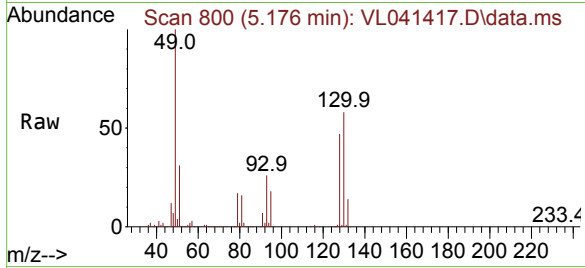




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

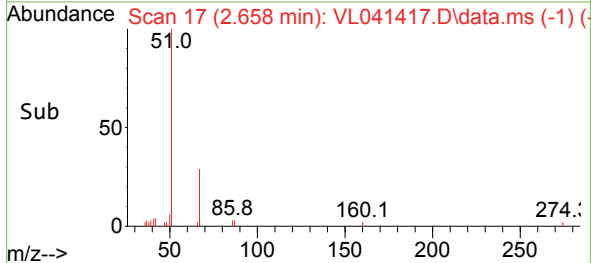
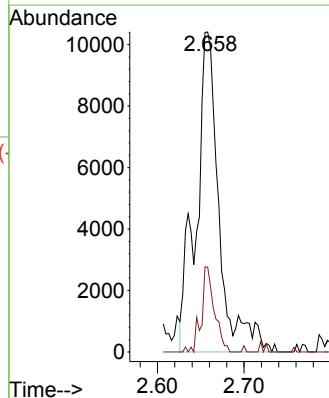
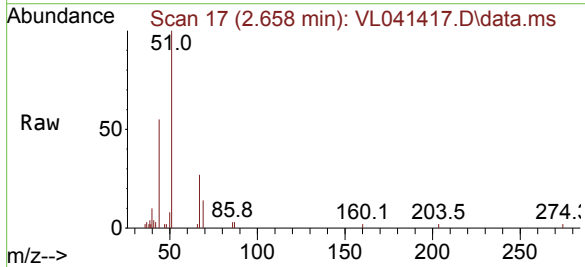
Instrument :
MSVOA_L
ClientSampleId :
1DL

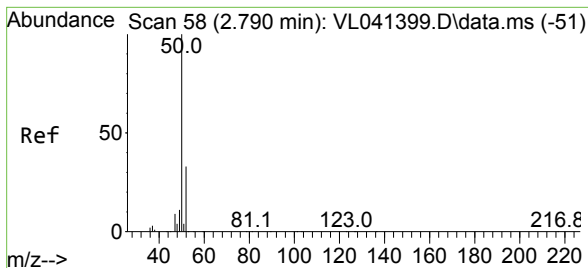
Tgt Ion: 49 Resp: 1090205
Ion Ratio Lower Upper
49 100
128 49.6 23.8 71.4
130 63.5 30.8 92.4



#3
Chlorodifluoromethane
Concen: 0.148 ppbv
RT: 2.658 min Scan# 17
Delta R.T. 0.006 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

Tgt Ion: 51 Resp: 19262
Ion Ratio Lower Upper
51 100
67 14.9 14.5 21.7

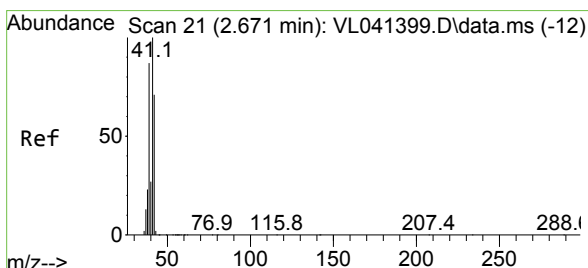
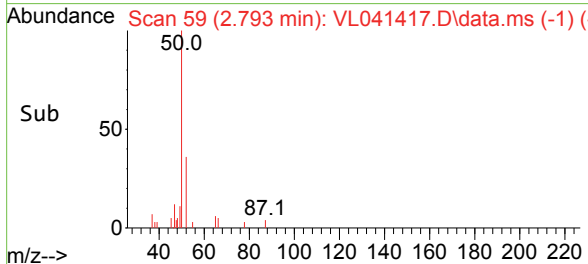
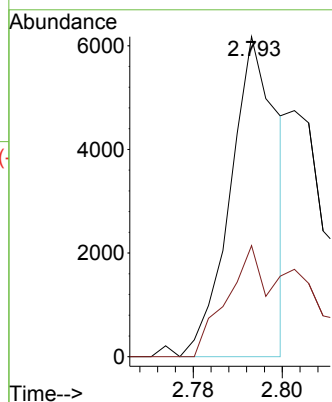
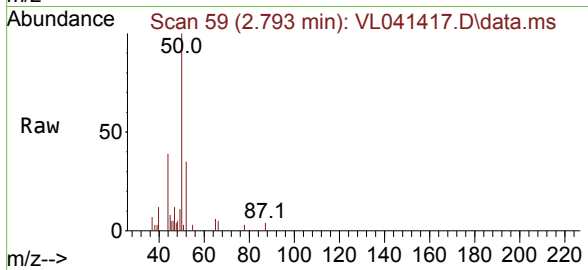




#4
Chloromethane
Concen: 0.066 ppbv
RT: 2.793 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

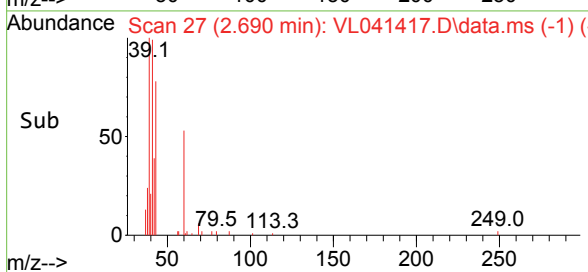
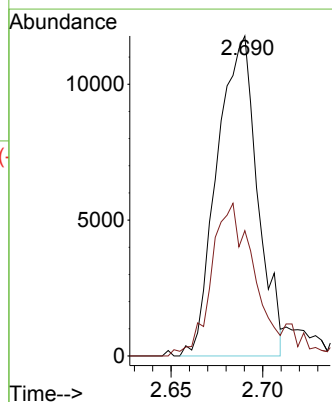
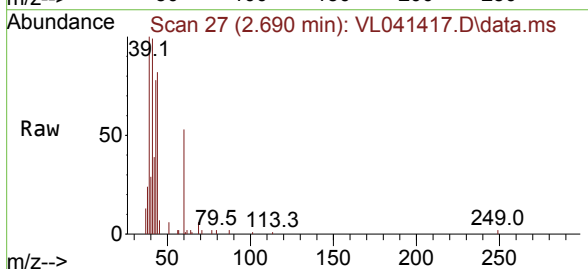
Instrument :
MSVOA_L
ClientSampleId :
1DL

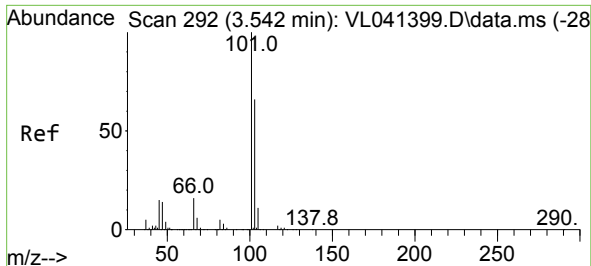
Tgt Ion: 50 Resp: 4529
Ion Ratio Lower Upper
50 100
52 33.7 26.1 39.1



#9
Propene
Concen: 0.303 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.019 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

Tgt Ion: 41 Resp: 18037
Ion Ratio Lower Upper
41 100
42 56.3 55.9 83.9

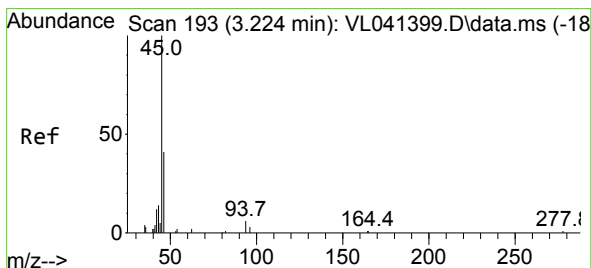
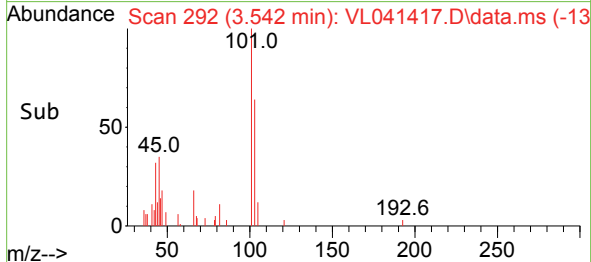
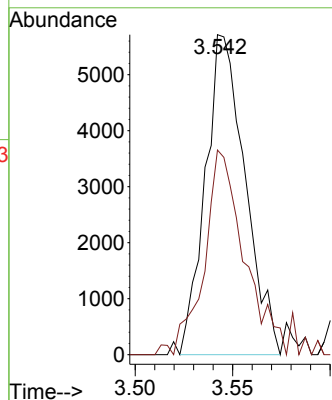
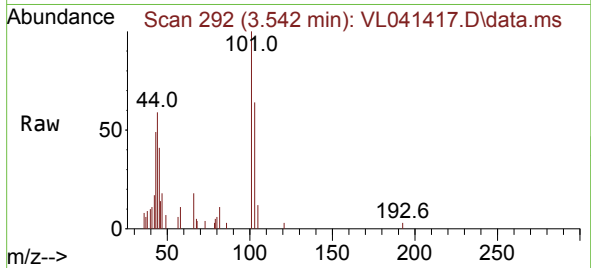




#11
 Trichlorofluoromethane
 Concen: 0.049 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. -0.000 min
 Lab File: VL041417.D
 Acq: 26 Jul 2024 12:05

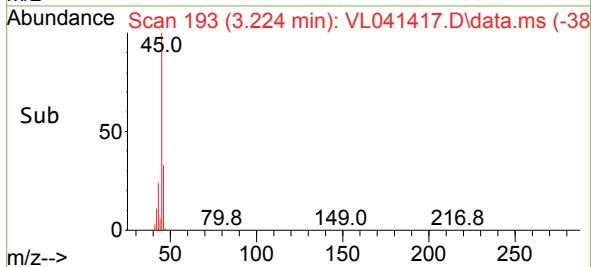
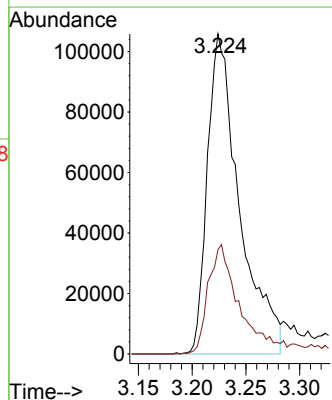
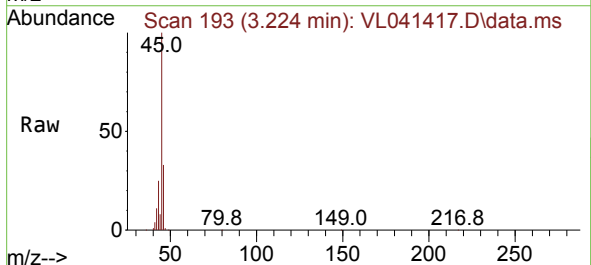
Instrument :
 MSVOA_L
 ClientSampleId :
 1DL

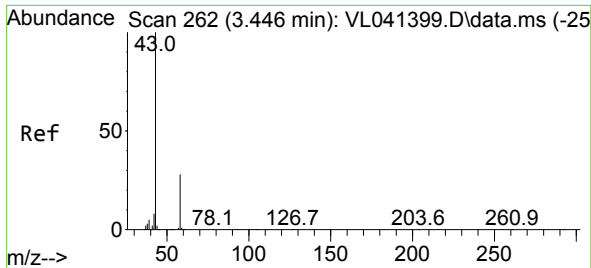
Tgt Ion:101 Resp: 8103
 Ion Ratio Lower Upper
 101 100
 103 55.6 52.6 79.0



#13
 Ethanol
 Concen: 41.253 ppbv
 RT: 3.224 min Scan# 193
 Delta R.T. -0.000 min
 Lab File: VL041417.D
 Acq: 26 Jul 2024 12:05

Tgt Ion: 45 Resp: 219822
 Ion Ratio Lower Upper
 45 100
 46 36.7 13.4 53.4





#15

Acetone

Concen: 1.426 ppbv

RT: 3.455 min Scan# 2

Delta R.T. 0.010 min

Lab File: VL041417.D

Acq: 26 Jul 2024 12:05

Instrument :

MSVOA_L

ClientSampleId :

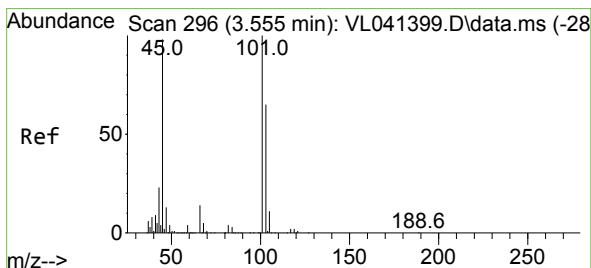
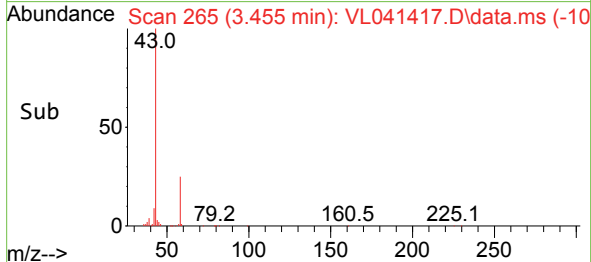
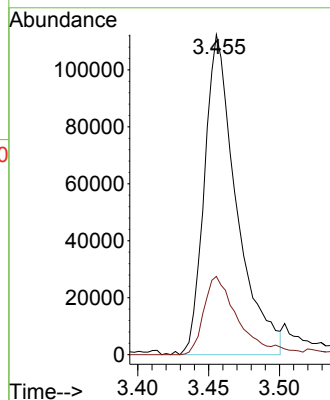
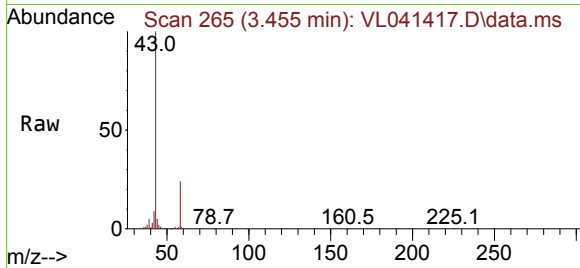
1DL

Tgt Ion: 43 Resp: 176646

Ion Ratio Lower Upper

43 100

58 27.5 21.4 32.2



#19

Isopropyl Alcohol

Concen: 0.319 ppbv

RT: 3.565 min Scan# 299

Delta R.T. 0.010 min

Lab File: VL041417.D

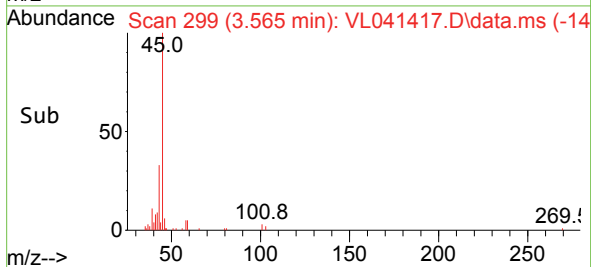
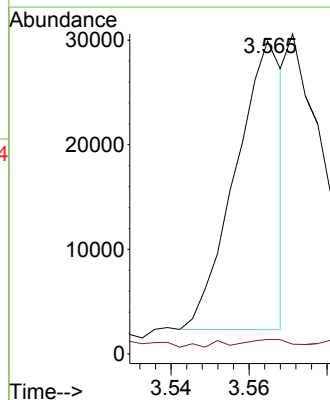
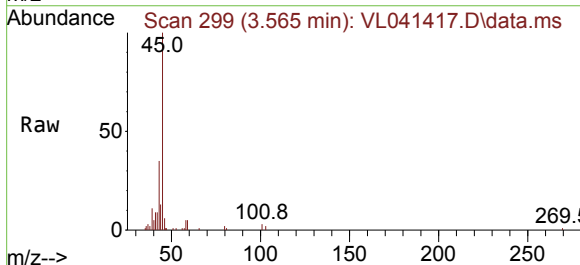
Acq: 26 Jul 2024 12:05

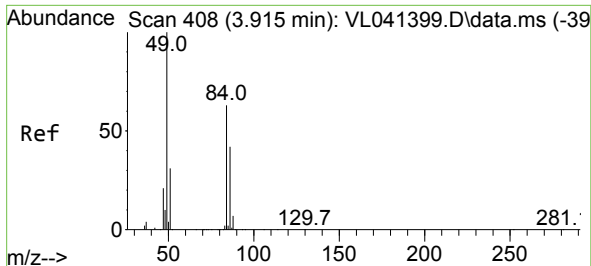
Tgt Ion: 45 Resp: 23099

Ion Ratio Lower Upper

45 100

58 12.6 1.9 2.9#



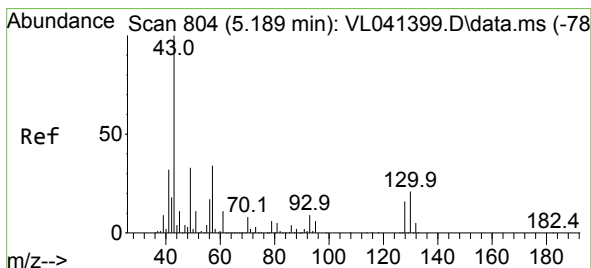
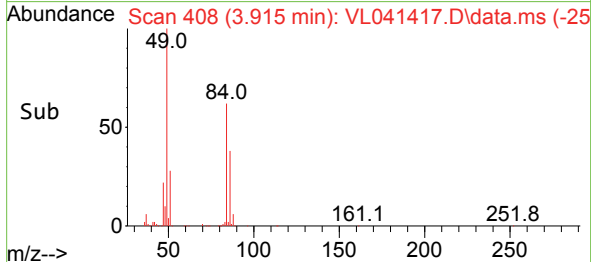
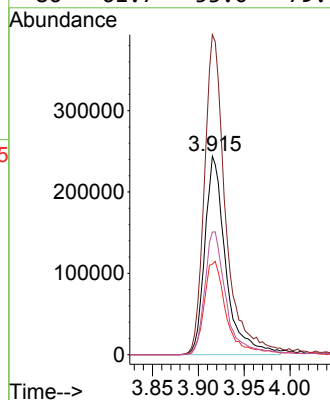
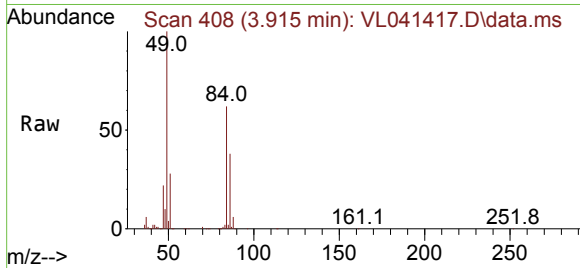


#20
Methylene Chloride
Concen: 8.426 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.000 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

Instrument :
MSVOA_L
ClientSampleId :
1DL

Tgt Ion: 84 Resp: 389233

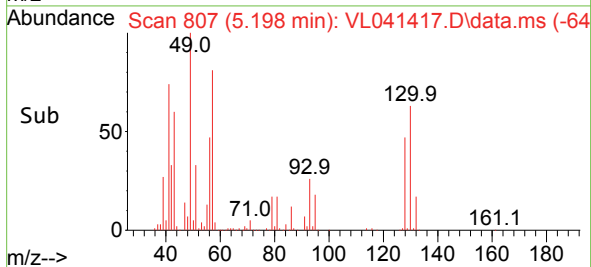
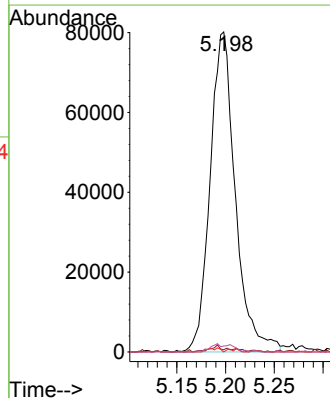
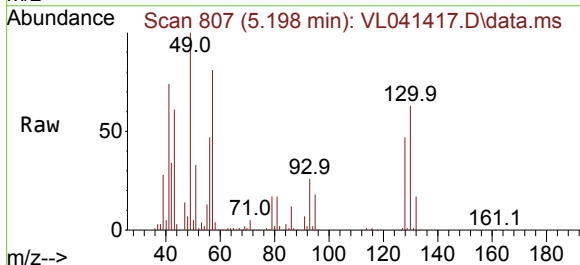
Ion	Ratio	Lower	Upper
84	100		
49	161.3	126.6	190.0
51	45.5	38.6	58.0
86	61.7	53.0	79.4

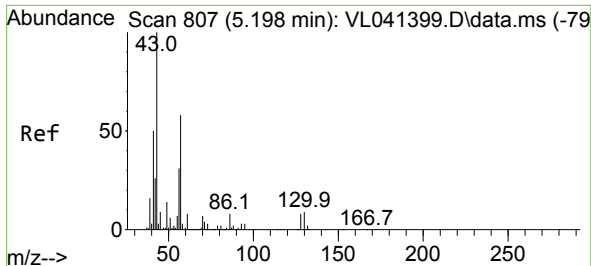


#25
Ethyl Acetate
Concen: 0.587 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.010 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

Tgt Ion: 43 Resp: 144454

Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.5	12.7#
61	0.9	8.0	12.0#
70	2.3	5.9	8.9#

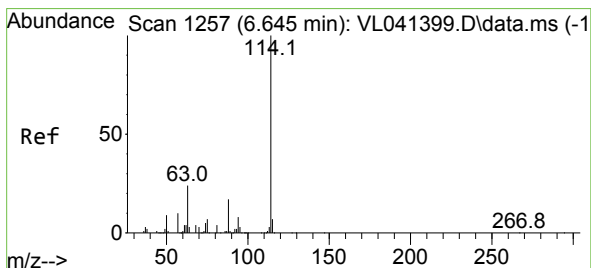
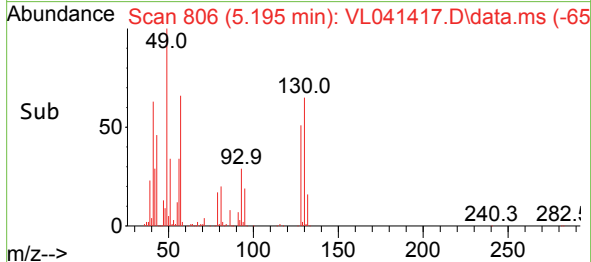
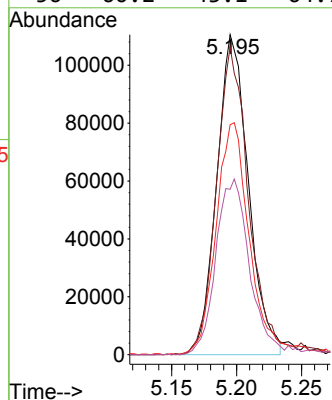
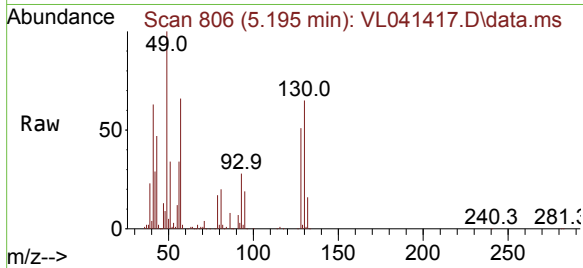




#26
Hexane
Concen: 1.835 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

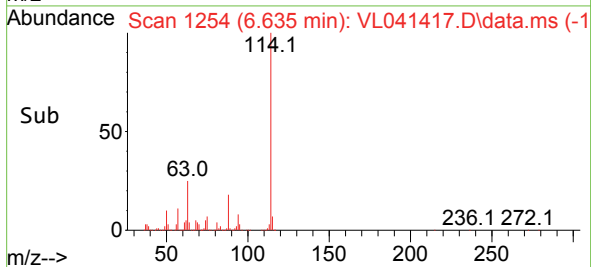
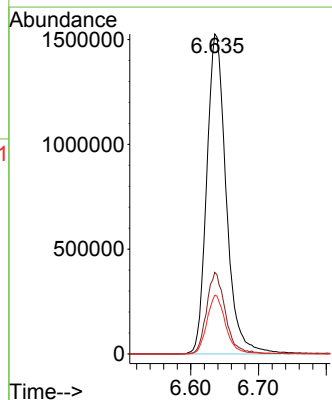
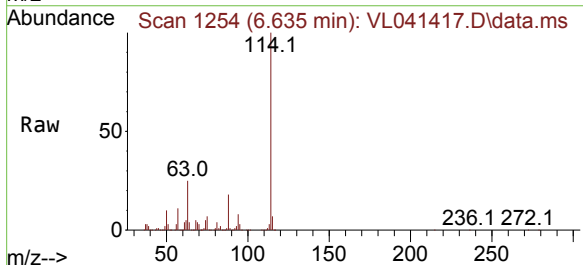
Instrument :
MSVOA_L
ClientSampleId :
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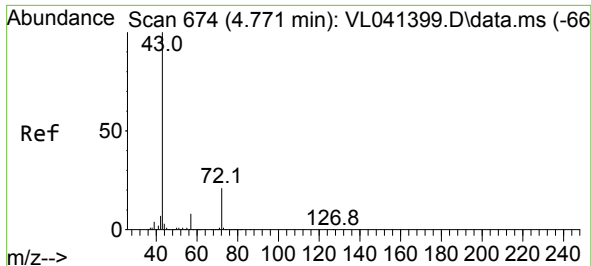
Tgt Ion: 57 Resp: 187362
Ion Ratio Lower Upper
57 100
41 100.4 74.0 111.0
43 79.2 193.6 290.4#
56 60.2 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

Tgt Ion:114 Resp: 3036597
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 17.9 14.3 21.5

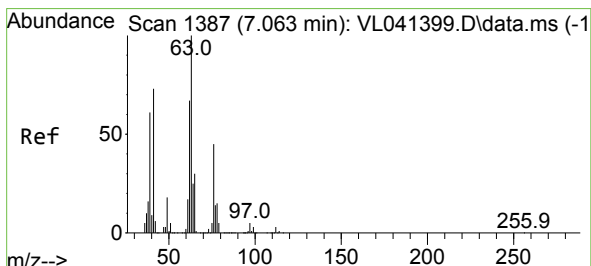
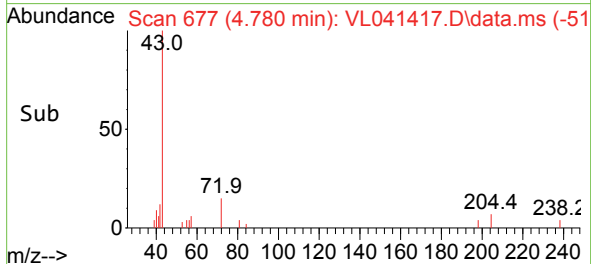
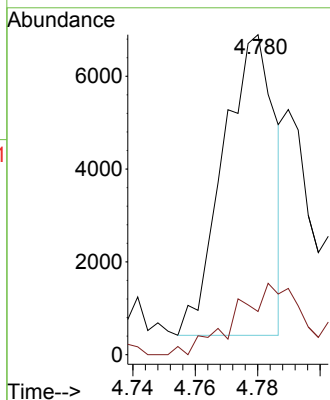
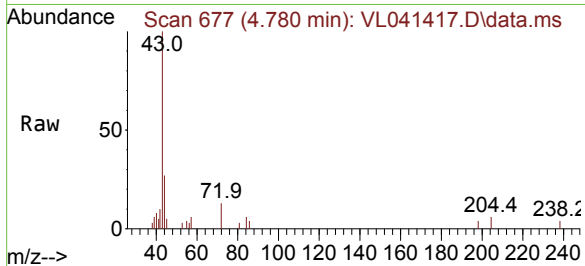




#34
2-Butanone
Concen: 0.051 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

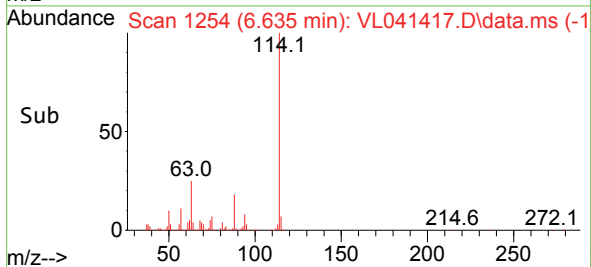
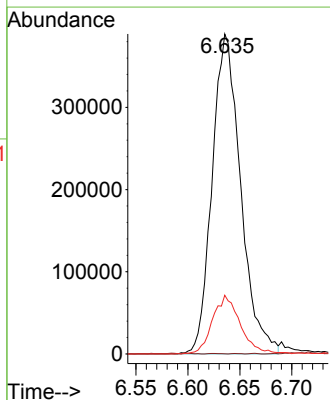
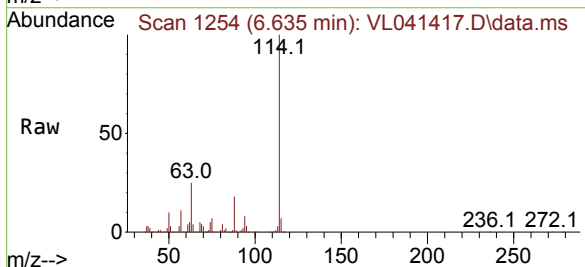
Instrument :
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1DL

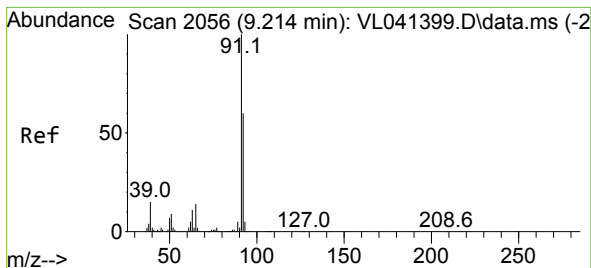
Tgt Ion: 43 Resp: 7430
Ion Ratio Lower Upper
43 100
72 37.1 17.3 25.9#



#39
1,2-Dichloropropane
Concen: 8.736 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.428 min
Lab File: VL041417.D
Acq: 26 Jul 2024 12:05

Tgt Ion: 63 Resp: 742083
Ion Ratio Lower Upper
63 100
41 0.0 58.3 87.5#
62 18.2 53.9 80.9#





#53

Toluene

Concen: 0.045 ppbv

RT: 9.208 min Scan# 2056

Delta R.T. -0.007 min

Lab File: VL041417.D

Acq: 26 Jul 2024 12:05

Instrument :

MSVOA_L

ClientSampleId :

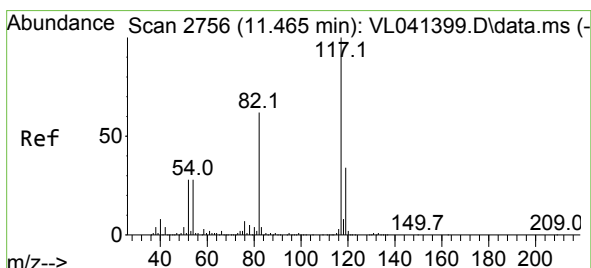
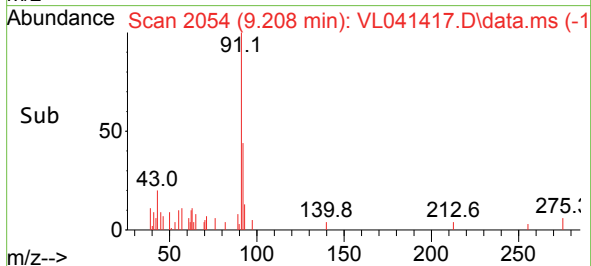
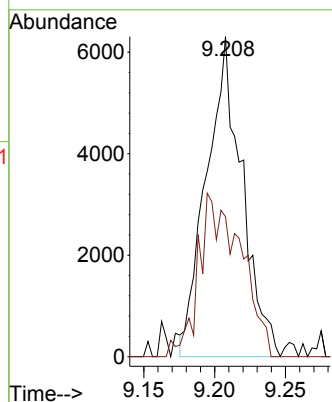
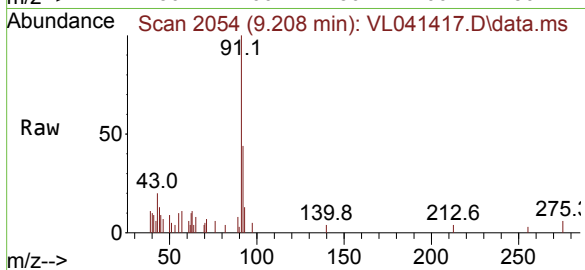
1DL

Tgt Ion: 91 Resp: 11026

Ion Ratio Lower Upper

91 100

92 60.5 48.7 73.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 2752

Delta R.T. -0.013 min

Lab File: VL041417.D

Acq: 26 Jul 2024 12:05

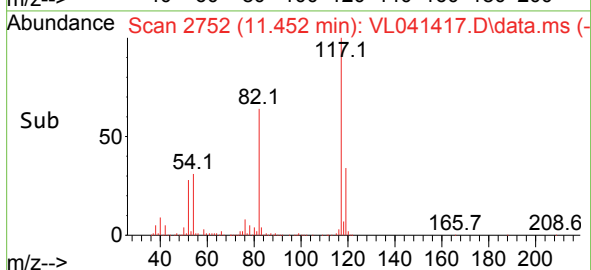
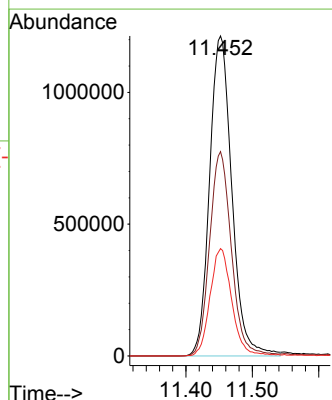
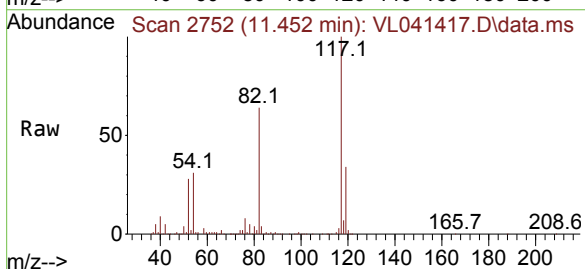
Tgt Ion: 117 Resp: 2832978

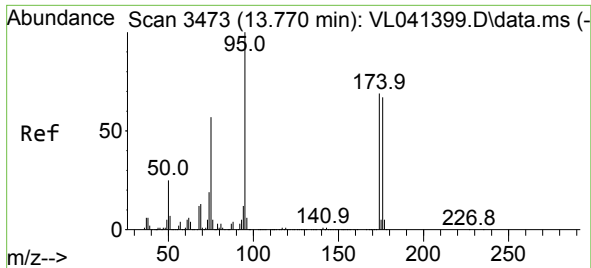
Ion Ratio Lower Upper

117 100

82 63.8 51.0 76.6

119 33.1 45.2 67.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.852 ppbv
 RT: 13.760 min Scan# 34
 Delta R.T. -0.010 min
 Lab File: VL041417.D
 Acq: 26 Jul 2024 12:05

Instrument :
 MSVOA_L
 ClientSampleId :
 1DL

Tgt Ion: 95 Resp: 2147910
 Ion Ratio Lower Upper
 95 100
 174 72.1 56.3 84.5
 175 5.1 4.0 6.0

