

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041218.D
 Acq On : 6 May 2024 14:59
 Operator : SY/MD
 Sample : P2334-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA02-20240425DL

Quant Time: May 07 05:24:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

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

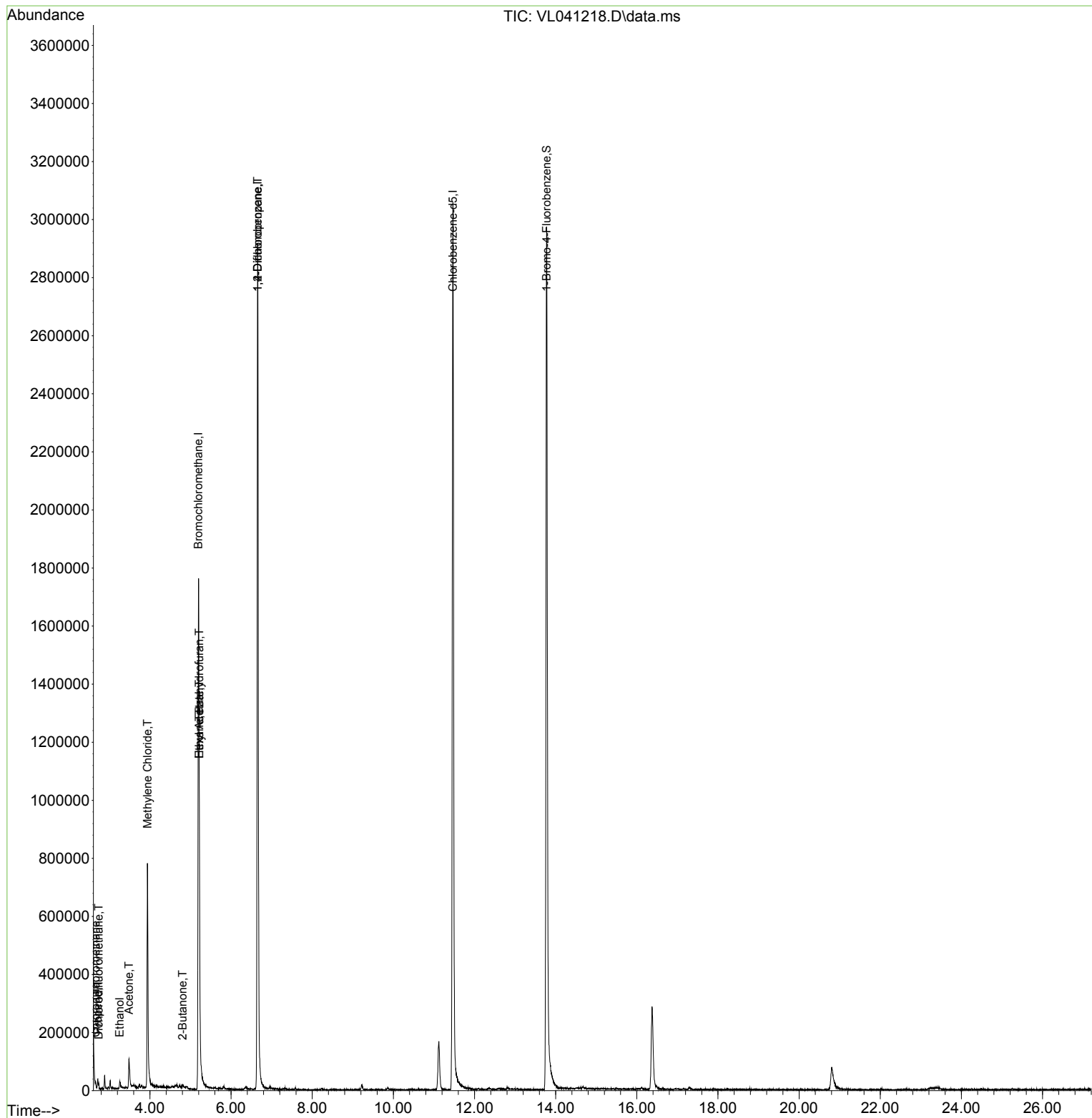
Internal Standards						
1) Bromochloromethane	5.195	49	848132	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2259502	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2041905	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1565798	10.157	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.738	85	7401	0.065	ppbv	91
3) Chlorodifluoromethane	2.661	51	13388	0.104	ppbv #	77
9) Propene	2.716	41	7525	0.149	ppbv	89
13) Ethanol	3.256	45	16484	1.459	ppbv #	38
15) Acetone	3.484	43	111297	1.112	ppbv	97
20) Methylene Chloride	3.941	84	246757	7.089	ppbv	98
25) Ethyl Acetate	5.217	43	150430	0.753	ppbv #	78
26) Hexane	5.217	57	205135	2.301	ppbv #	42
34) 2-Butanone	4.806	43	5353	0.047	ppbv #	40
39) 1,2-Dichloropropane	6.655	63	552240	7.557	ppbv #	24
41) Tetrahydrofuran	5.214	42	75746	0.910	ppbv #	52

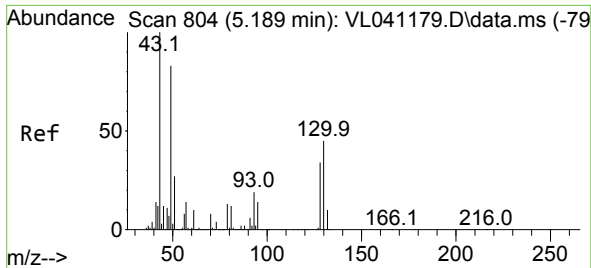
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 07 05:19:44 2024
Response via : Initial Calibration

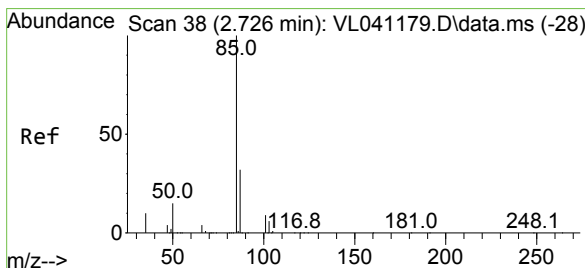
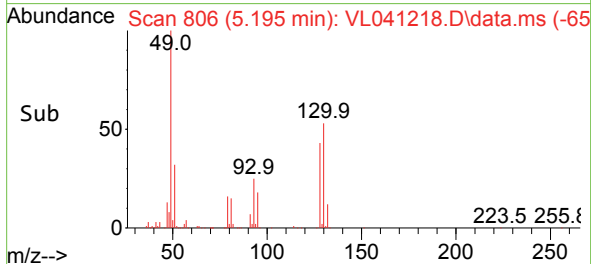
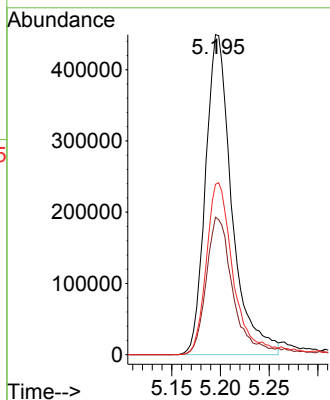
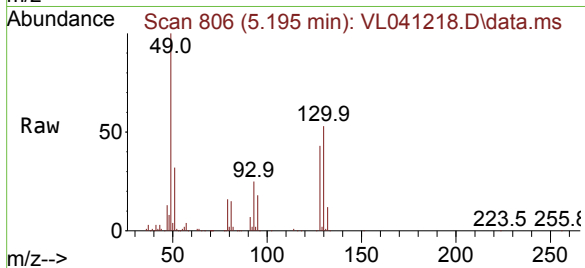




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041218.D
 Acq: 6 May 2024 14:59

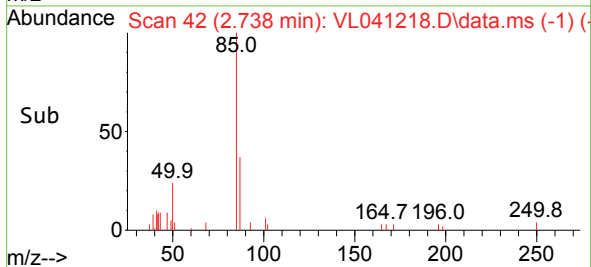
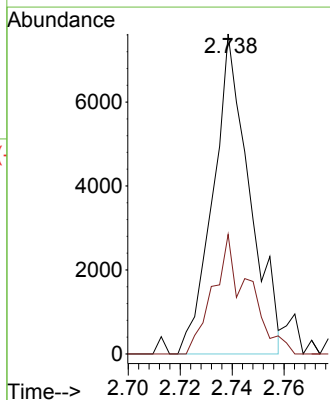
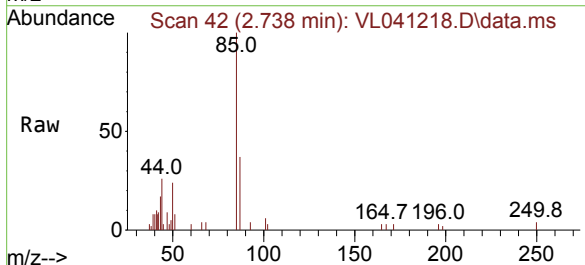
Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA02-20240425DL

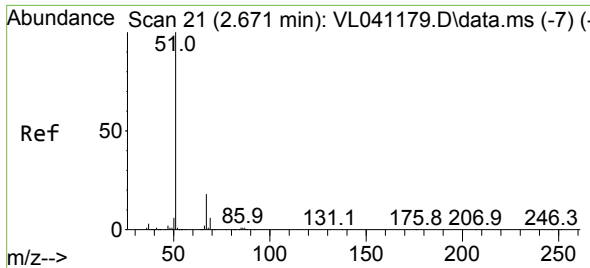
Tgt Ion: 49 Resp: 848132
 Ion Ratio Lower Upper
 49 100
 128 45.8 21.5 64.5
 130 57.5 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.065 ppbv
 RT: 2.738 min Scan# 42
 Delta R.T. 0.000 min
 Lab File: VL041218.D
 Acq: 6 May 2024 14:59

Tgt Ion: 85 Resp: 7401
 Ion Ratio Lower Upper
 85 100
 87 37.3 25.7 38.5

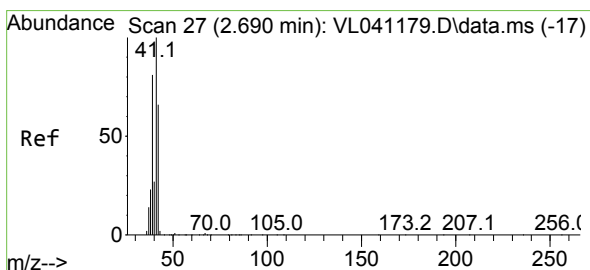
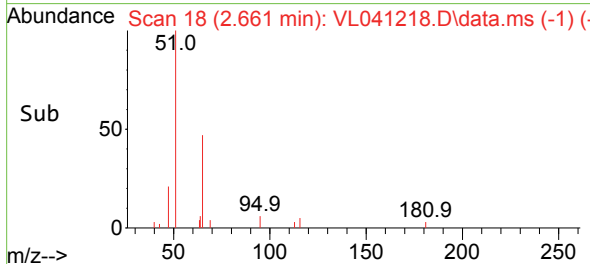
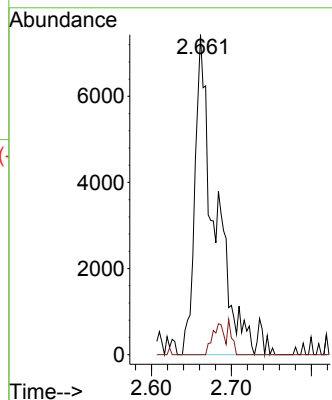
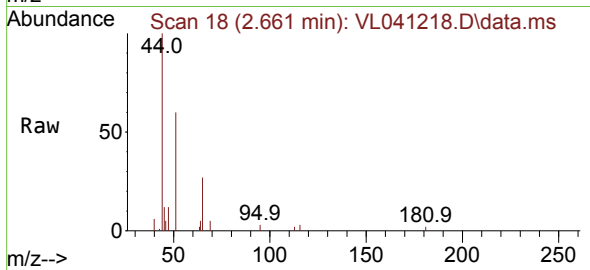




#3
Chlorodifluoromethane
Concen: 0.104 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

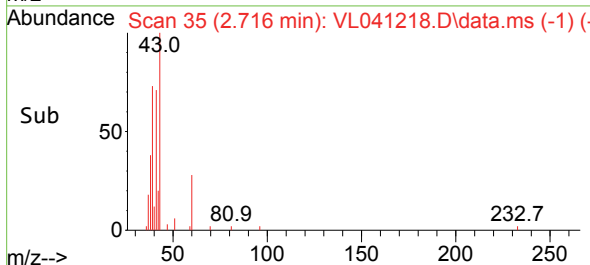
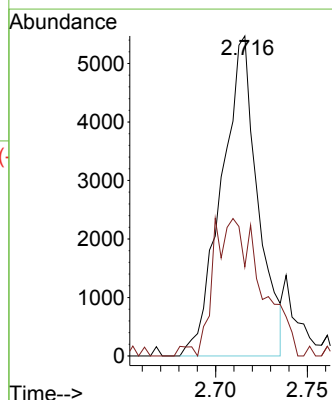
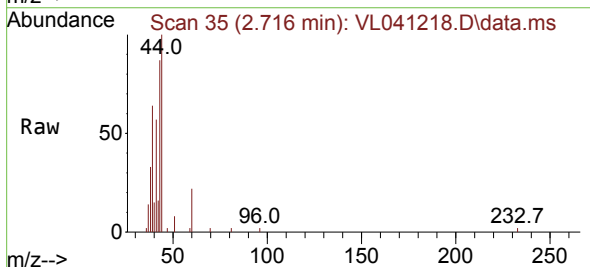
Instrument :
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ClientSampleId :
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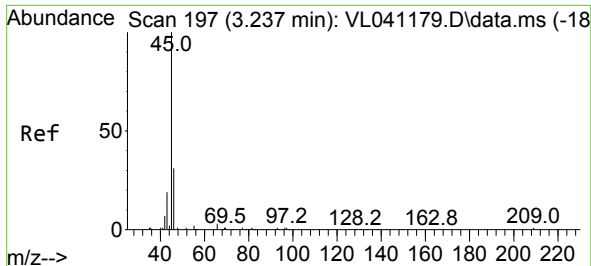
Tgt Ion: 51 Resp: 13388
Ion Ratio Lower Upper
51 100
67 7.6 14.0 21.0#



#9
Propene
Concen: 0.149 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.013 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

Tgt Ion: 41 Resp: 7525
Ion Ratio Lower Upper
41 100
42 59.9 55.3 82.9

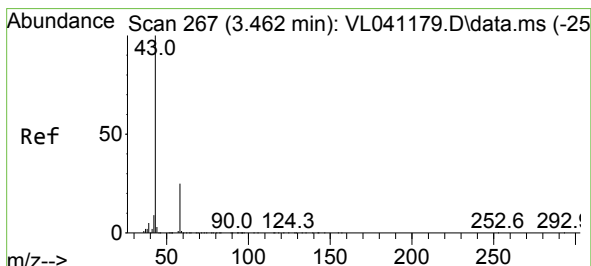
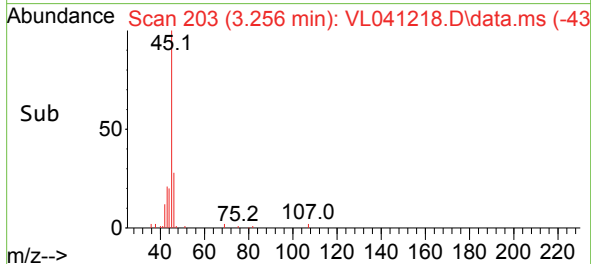
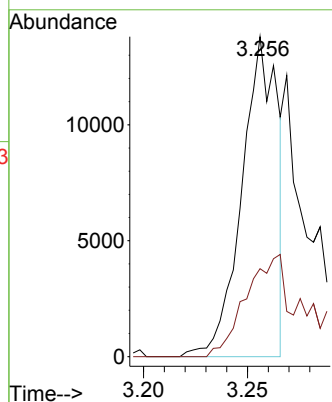
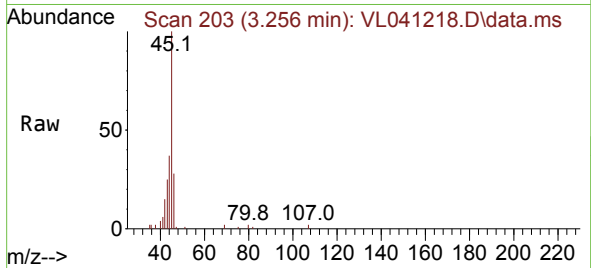




#13
 Ethanol
 Concen: 1.459 ppbv
 RT: 3.256 min Scan# 20
 Delta R.T. 0.013 min
 Lab File: VL041218.D
 Acq: 6 May 2024 14:59

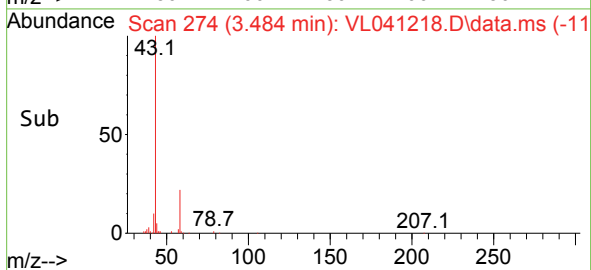
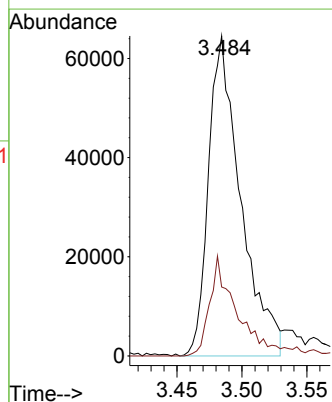
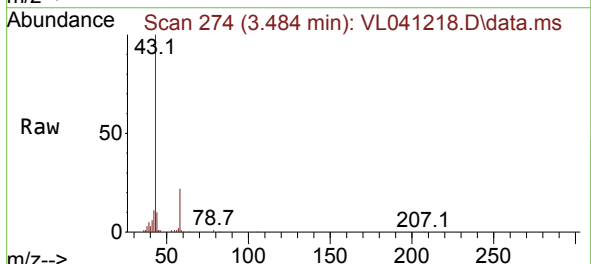
Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA02-20240425DL

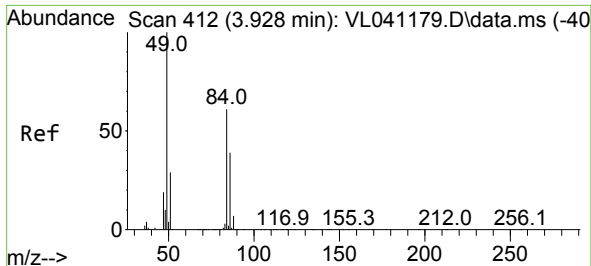
Tgt Ion: 45 Resp: 16484
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.8 59.0#



#15
 Acetone
 Concen: 1.112 ppbv
 RT: 3.484 min Scan# 274
 Delta R.T. 0.010 min
 Lab File: VL041218.D
 Acq: 6 May 2024 14:59

Tgt Ion: 43 Resp: 111297
 Ion Ratio Lower Upper
 43 100
 58 28.0 21.4 32.0



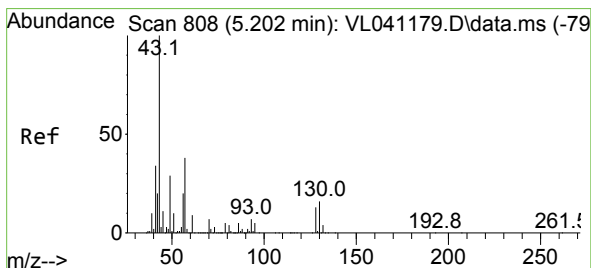
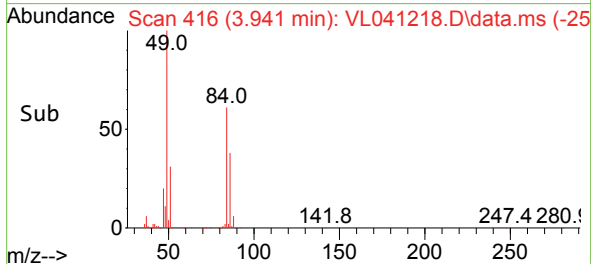
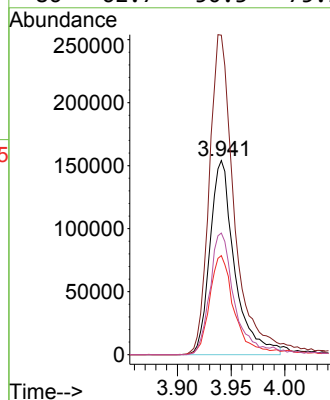
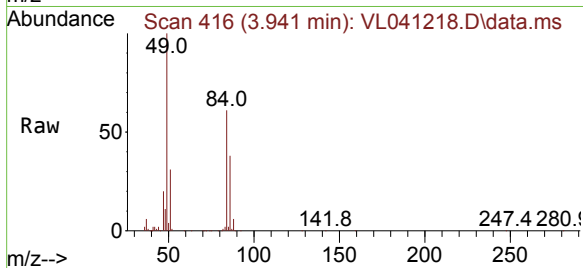


#20
Methylene Chloride
Concen: 7.089 ppbv
RT: 3.941 min Scan# 412
Delta R.T. 0.003 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA02-20240425DL

Tgt Ion: 84 Resp: 246757

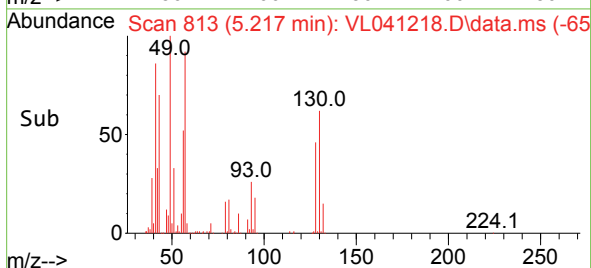
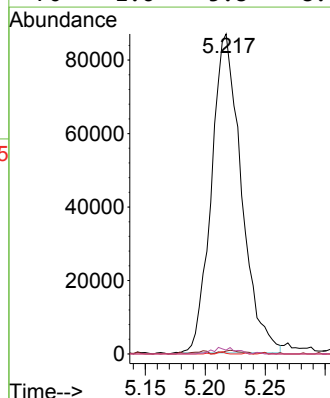
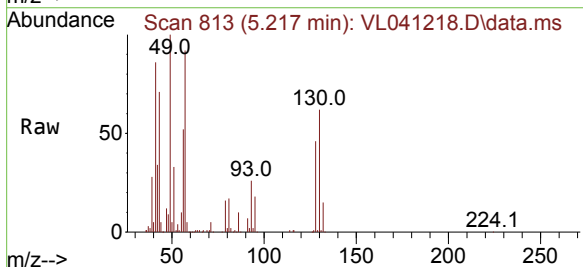
Ion	Ratio	Lower	Upper
84	100		
49	164.7	130.4	195.6
51	50.9	38.0	57.0
86	62.7	50.3	75.5

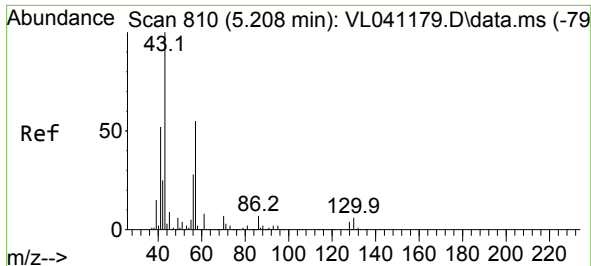


#25
Ethyl Acetate
Concen: 0.753 ppbv
RT: 5.217 min Scan# 813
Delta R.T. 0.013 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

Tgt Ion: 43 Resp: 150430

Ion	Ratio	Lower	Upper
43	100		
45	1.4	8.2	12.2#
61	0.3	7.7	11.5#
70	1.6	5.8	8.6#

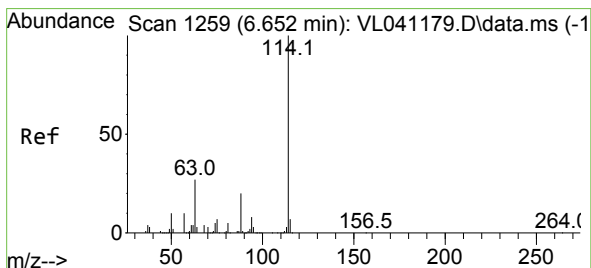
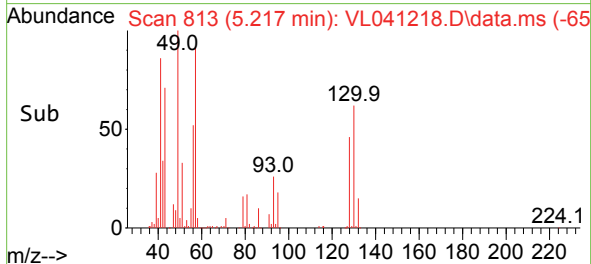
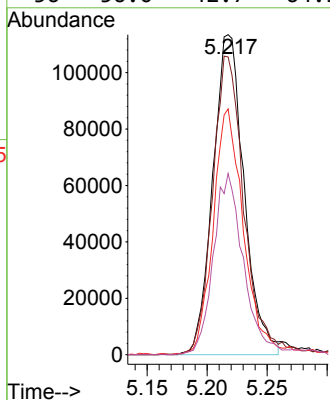
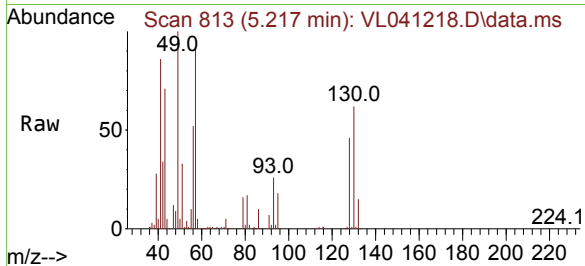




#26
Hexane
Concen: 2.301 ppbv
RT: 5.217 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

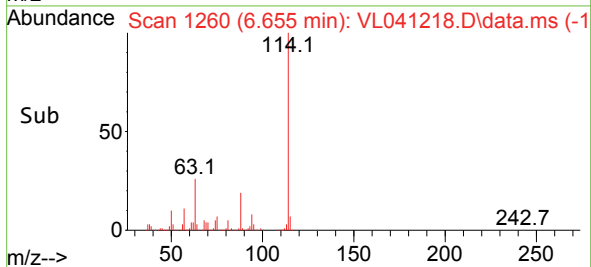
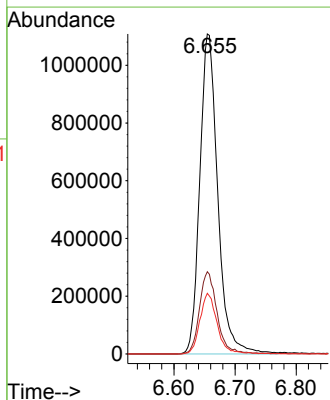
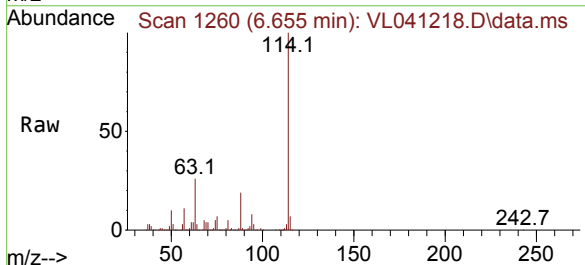
Instrument :
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ClientSampleId :
BA-20-IA02-20240425DL

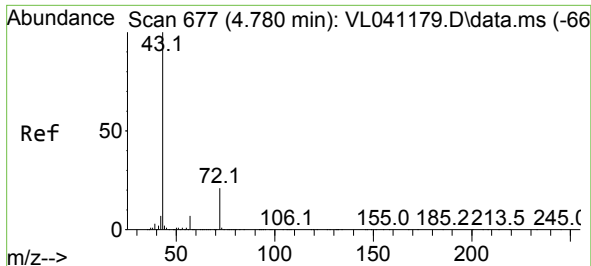
Tgt Ion: 57 Resp: 205135
Ion Ratio Lower Upper
57 100
41 96.0 75.8 113.8
43 76.8 187.0 280.4#
56 56.0 42.7 64.1



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

Tgt Ion: 114 Resp: 2259502
Ion Ratio Lower Upper
114 100
63 25.4 21.8 32.6
88 18.4 15.2 22.8

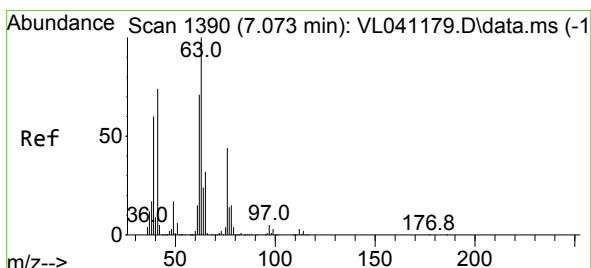
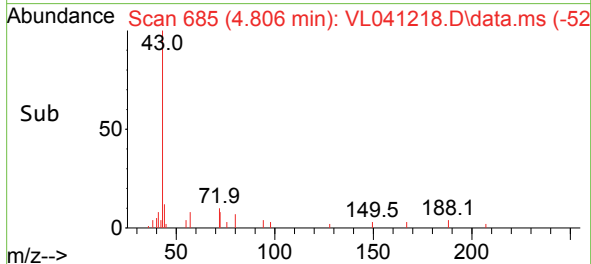
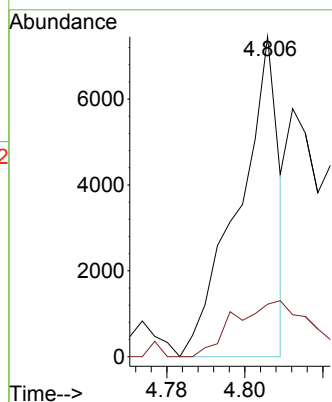
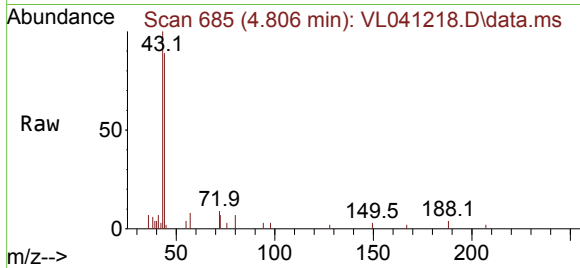




#34
2-Butanone
Concen: 0.047 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

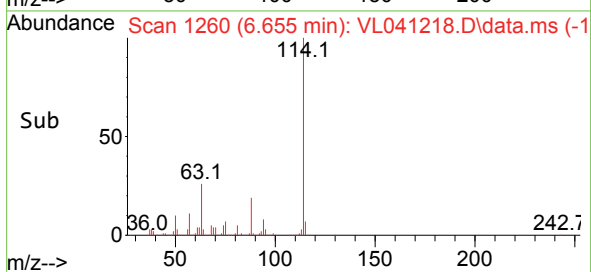
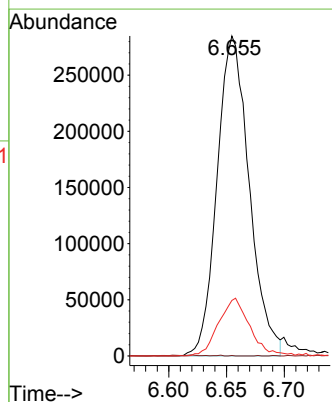
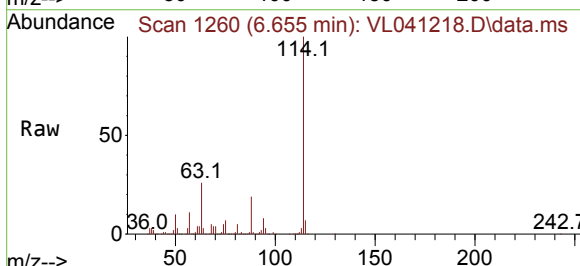
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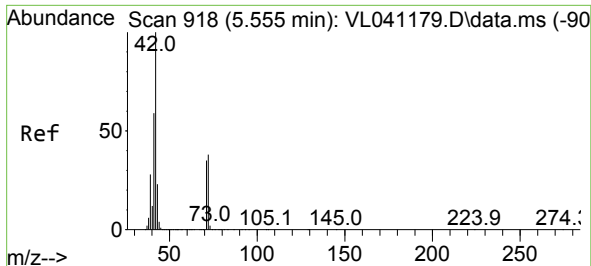
Tgt Ion: 43 Resp: 5353
Ion Ratio Lower Upper
43 100
72 49.9 17.3 25.9#



#39
1,2-Dichloropropane
Concen: 7.557 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.418 min
Lab File: VL041218.D
Acq: 6 May 2024 14:59

Tgt Ion: 63 Resp: 552240
Ion Ratio Lower Upper
63 100
41 0.2 59.4 89.0#
62 17.3 56.8 85.2#





#41

Tetrahydrofuran

Concen: 0.910 ppbv

RT: 5.214 min Scan# 81

Delta R.T. -0.344 min

Lab File: VL041218.D

Acq: 6 May 2024 14:59

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA02-20240425DL

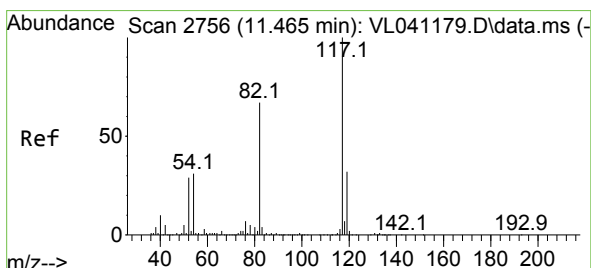
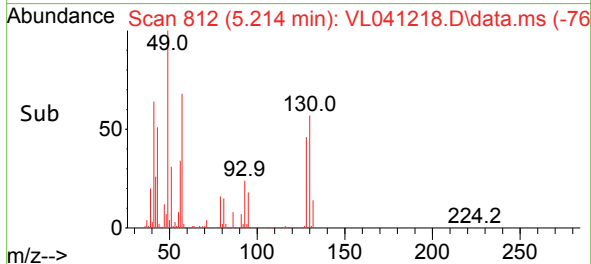
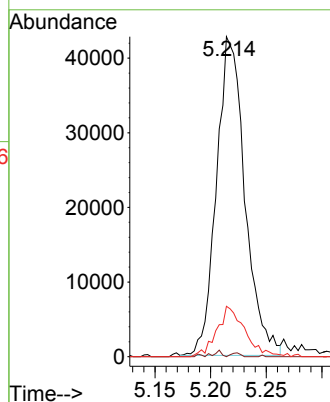
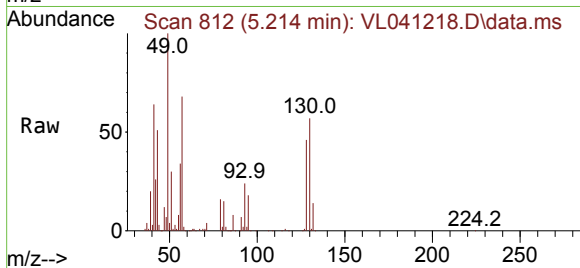
Tgt Ion: 42 Resp: 75746

Ion Ratio Lower Upper

42 100

72 1.1 29.4 44.0#

71 15.8 29.1 43.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. 0.003 min

Lab File: VL041218.D

Acq: 6 May 2024 14:59

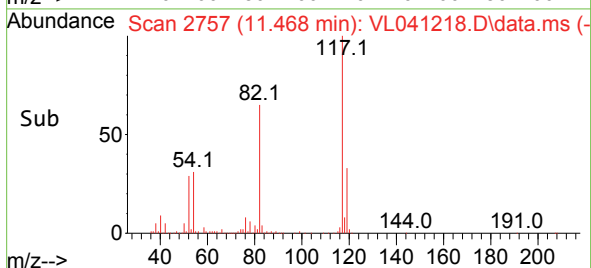
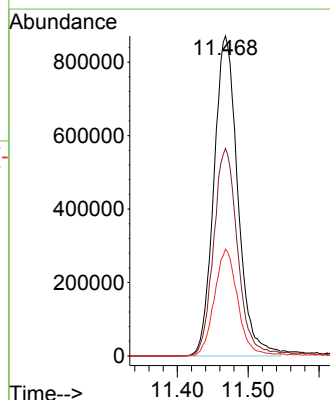
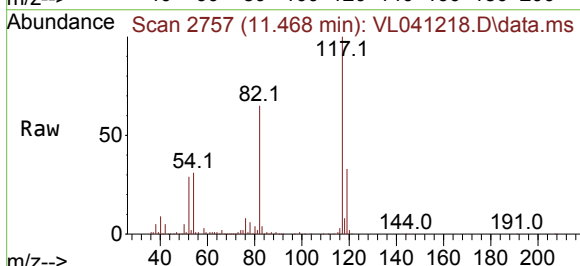
Tgt Ion: 117 Resp: 2041905

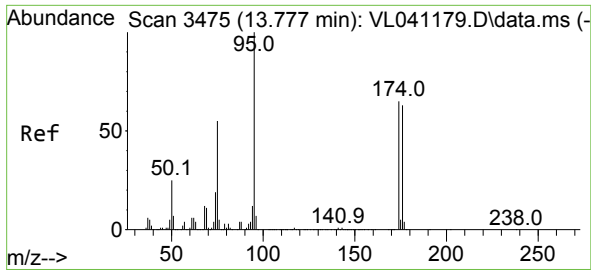
Ion Ratio Lower Upper

117 100

82 66.7 53.6 80.4

119 33.0 27.2 40.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.157 ppbv

RT: 13.777 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL041218.D

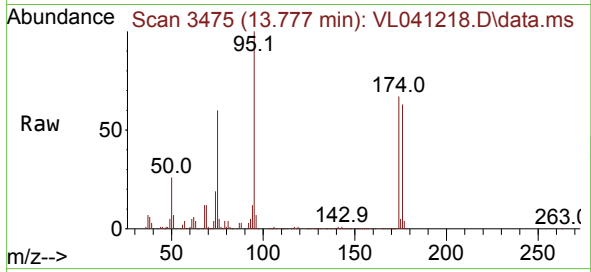
Acq: 6 May 2024 14:59

Instrument :

MSVOA_L

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Tgt Ion: 95 Resp: 1565798

Ion Ratio Lower Upper

95 100

174 67.5 53.6 80.4

175 4.7 4.2 6.4

