

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041219.D
 Acq On : 6 May 2024 15:38
 Operator : SY/MD
 Sample : P2334-08DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA03-20240425DL

Quant Time: May 07 05:25:01 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)

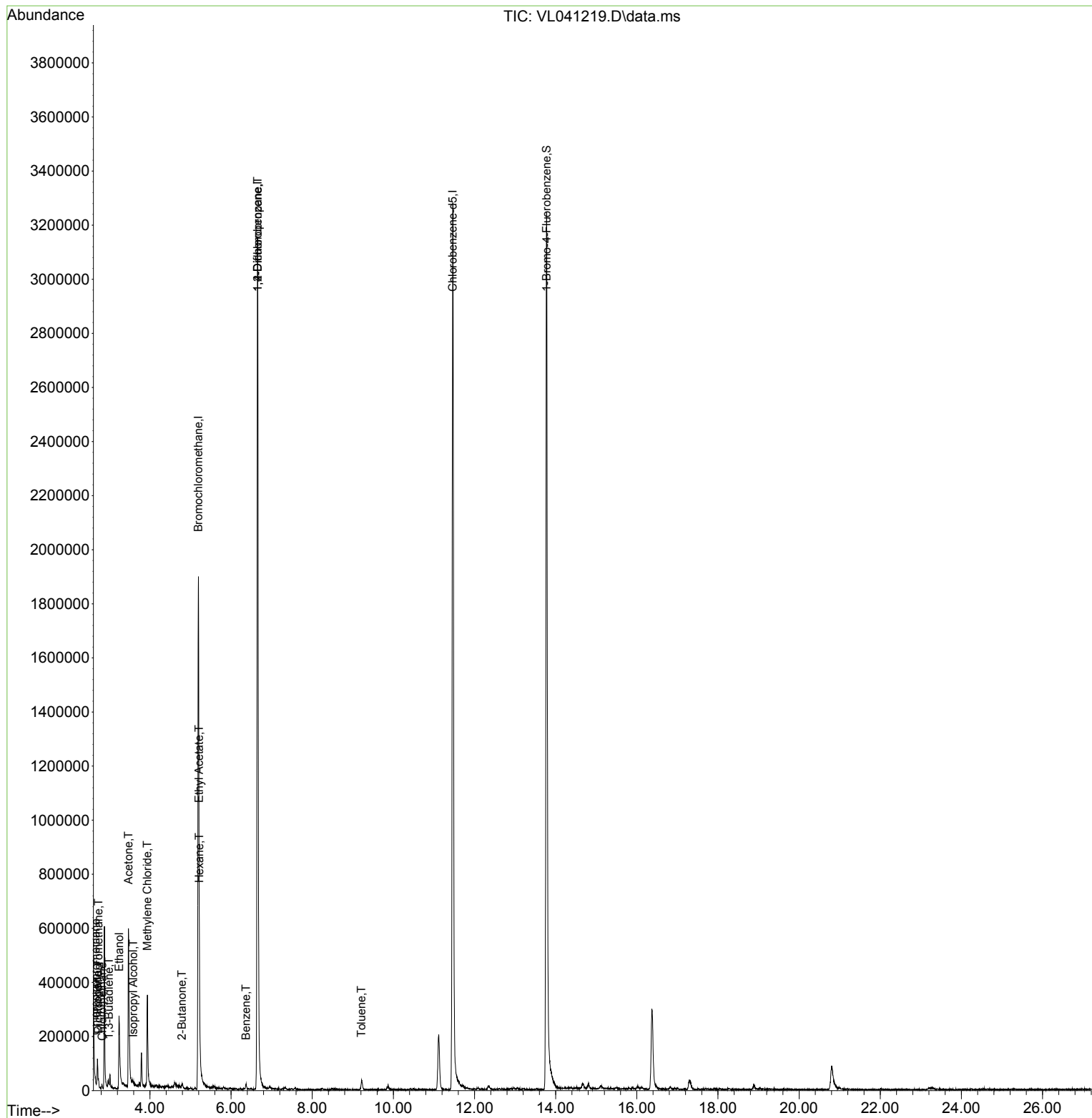
Internal Standards						
1) Bromochloromethane	5.195	49	923240	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2406022	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2194694	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1704012	10.284	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	14992	0.120	ppbv	89
3) Chlorodifluoromethane	2.661	51	17118	0.122	ppbv #	84
4) Chloromethane	2.825	50	4127	0.075	ppbv	92
9) Propene	2.706	41	30731	0.560	ppbv	93
13) Ethanol	3.240	45	296145	24.075	ppbv	97
15) Acetone	3.472	43	615680	5.651	ppbv	99
16) 1,3-Butadiene	2.986	39	2923	0.053	ppbv #	42
19) Isopropyl Alcohol	3.591	45	11603	0.162	ppbv #	1
20) Methylene Chloride	3.938	84	99418	2.624	ppbv	98
25) Ethyl Acetate	5.211	43	71277	0.328	ppbv #	85
26) Hexane	5.218	57	87374	0.900	ppbv #	44
34) 2-Butanone	4.787	43	3932	0.032	ppbv #	54
36) Benzene	6.369	78	13576	0.067	ppbv #	82
39) 1,2-Dichloropropane	6.652	63	604722	7.771	ppbv #	24
53) Toluene	9.211	91	9147	0.039	ppbv #	1

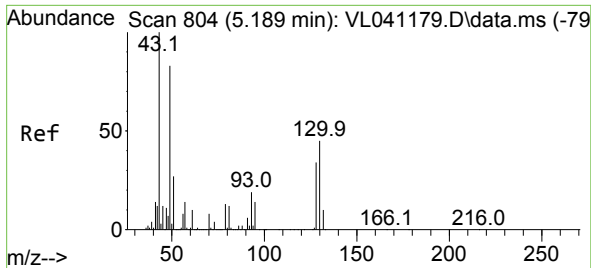
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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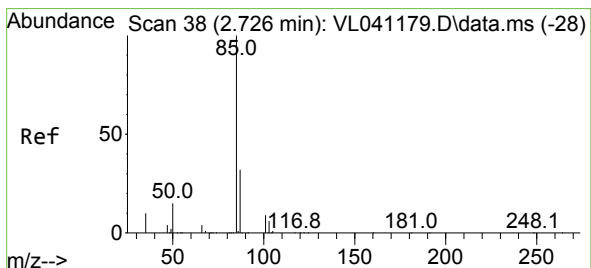
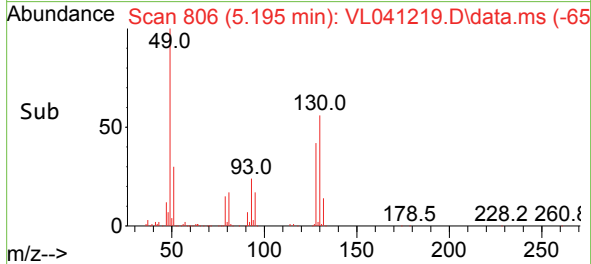
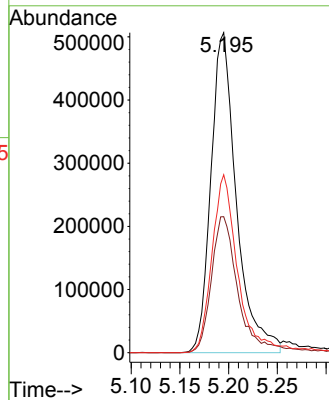
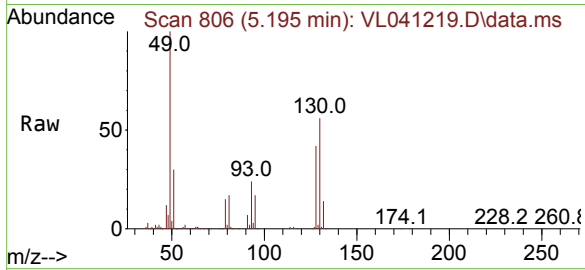




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VL041219.D
 Acq: 6 May 2024 15:38

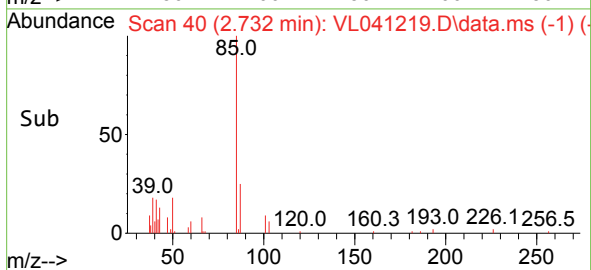
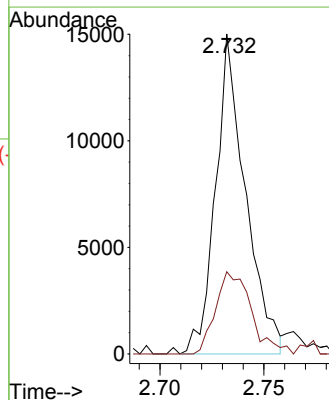
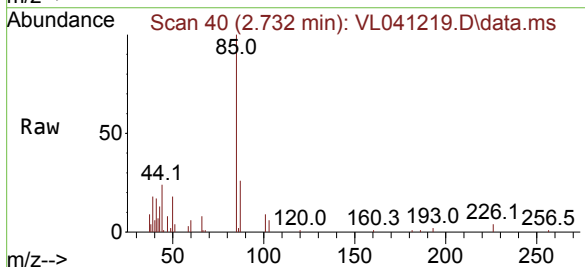
Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA03-20240425DL

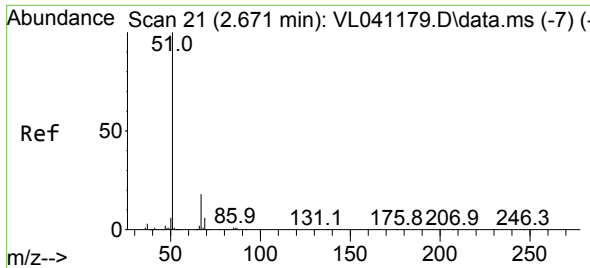
Tgt Ion: 49 Resp: 923240
 Ion Ratio Lower Upper
 49 100
 128 45.5 21.5 64.5
 130 58.2 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.120 ppbv
 RT: 2.732 min Scan# 40
 Delta R.T. -0.006 min
 Lab File: VL041219.D
 Acq: 6 May 2024 15:38

Tgt Ion: 85 Resp: 14992
 Ion Ratio Lower Upper
 85 100
 87 25.7 25.7 38.5

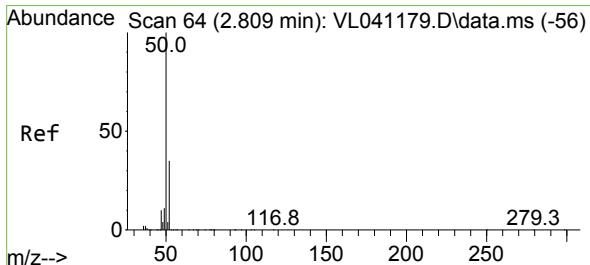
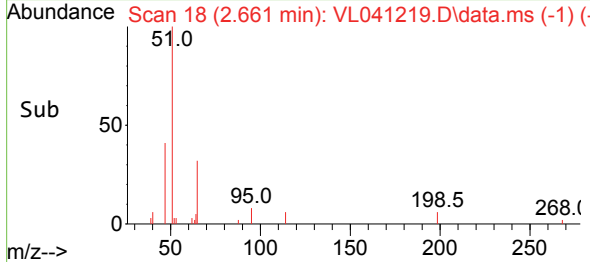
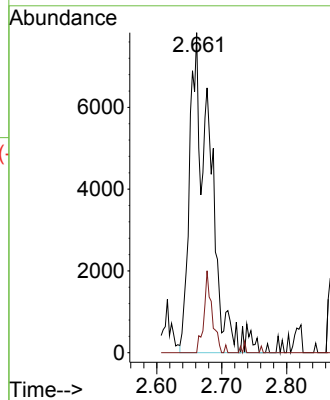
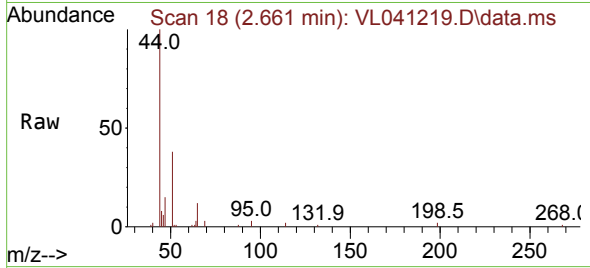




#3
Chlorodifluoromethane
Concen: 0.122 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

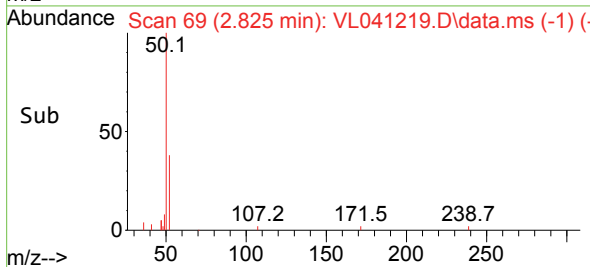
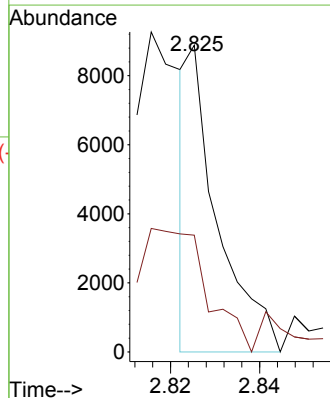
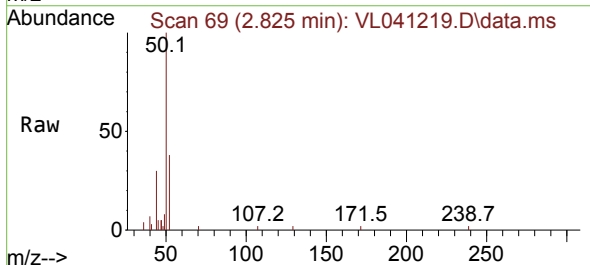
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA03-20240425DL

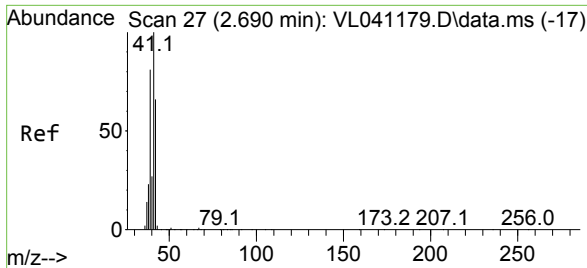
Tgt Ion: 51 Resp: 17118
Ion Ratio Lower Upper
51 100
67 10.3 14.0 21.0#



#4
Chloromethane
Concen: 0.075 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.003 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

Tgt Ion: 50 Resp: 4127
Ion Ratio Lower Upper
50 100
52 30.5 28.3 42.5





#9

Propene

Concen: 0.560 ppbv

RT: 2.706 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041219.D

Acq: 6 May 2024 15:38

Instrument :

MSVOA_L

ClientSampleId :

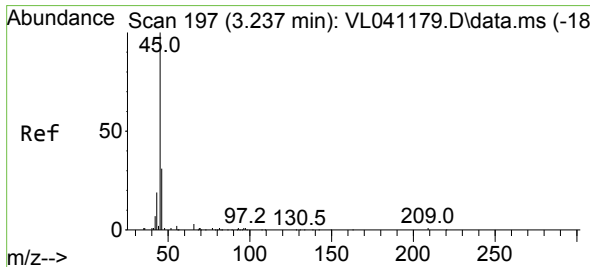
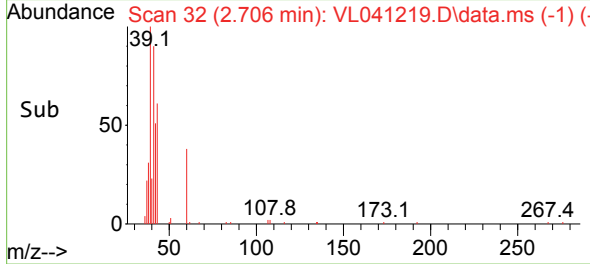
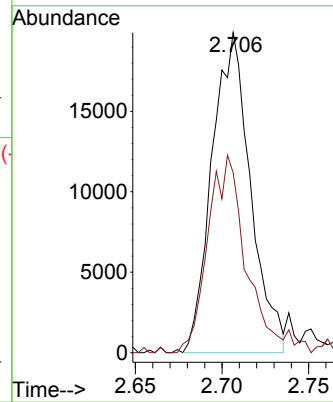
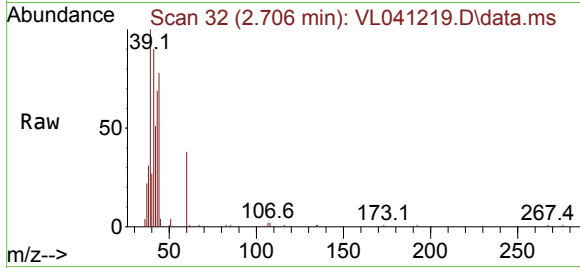
BA-20-IA03-20240425DL

Tgt Ion: 41 Resp: 30731

Ion Ratio Lower Upper

41 100

42 63.1 55.3 82.9



#13

Ethanol

Concen: 24.075 ppbv

RT: 3.240 min Scan# 198

Delta R.T. -0.003 min

Lab File: VL041219.D

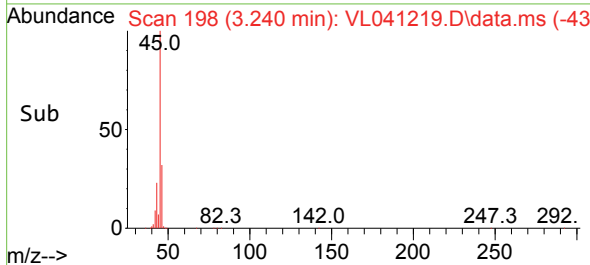
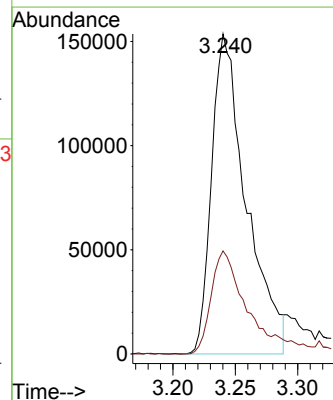
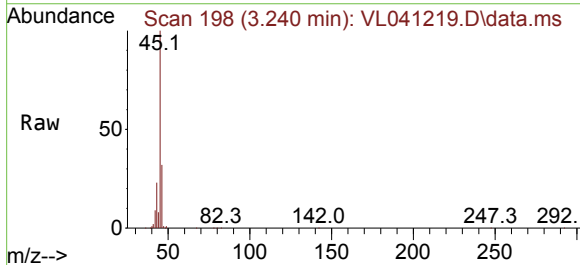
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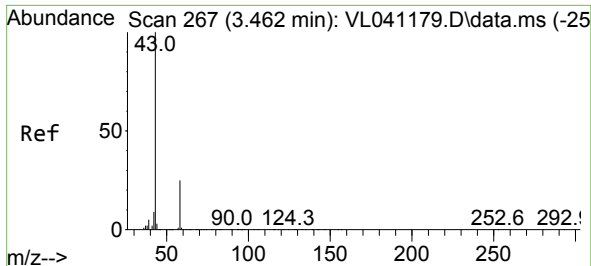
Tgt Ion: 45 Resp: 296145

Ion Ratio Lower Upper

45 100

46 38.6 14.8 59.0





#15

Acetone

Concen: 5.651 ppbv

RT: 3.472 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041219.D

Acq: 6 May 2024 15:38

Instrument :

MSVOA_L

ClientSampleId :

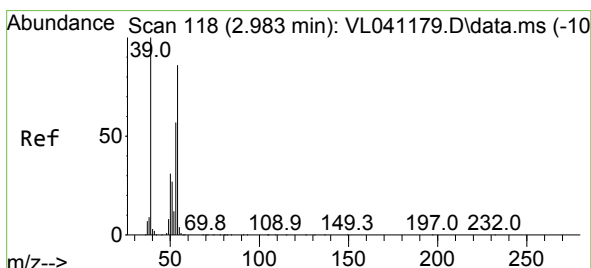
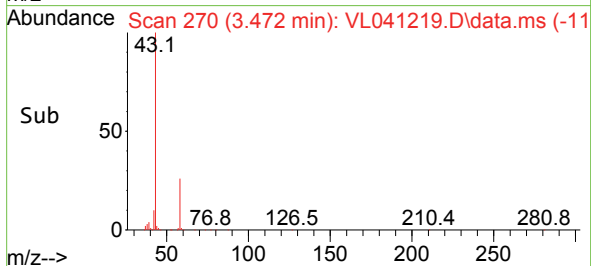
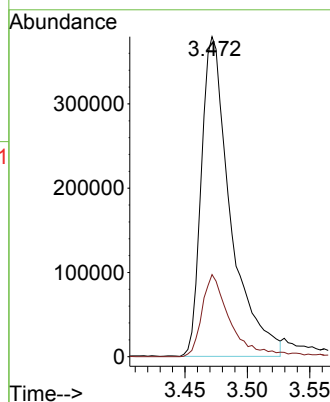
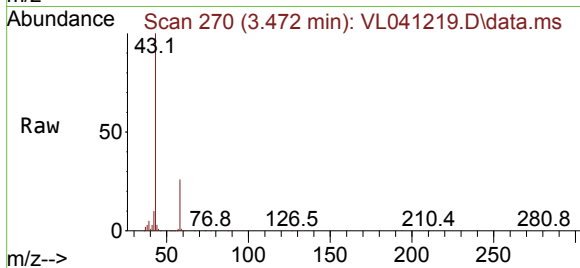
BA-20-IA03-20240425DL

Tgt Ion: 43 Resp: 615680

Ion Ratio Lower Upper

43 100

58 26.1 21.4 32.0



#16

1,3-Butadiene

Concen: 0.053 ppbv

RT: 2.986 min Scan# 119

Delta R.T. -0.006 min

Lab File: VL041219.D

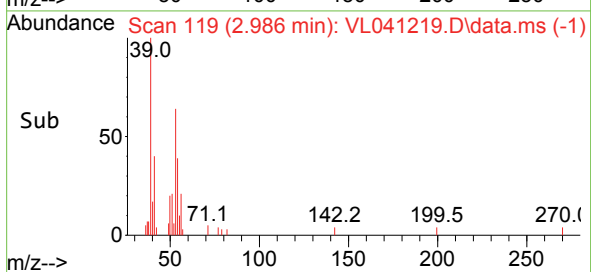
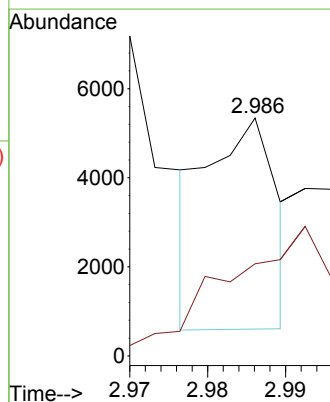
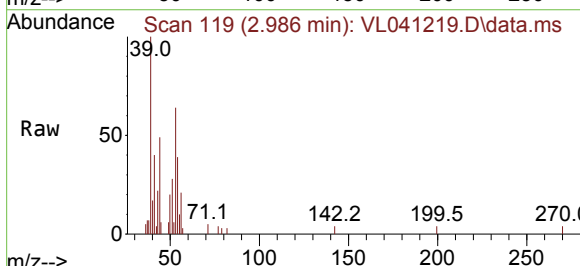
Acq: 6 May 2024 15:38

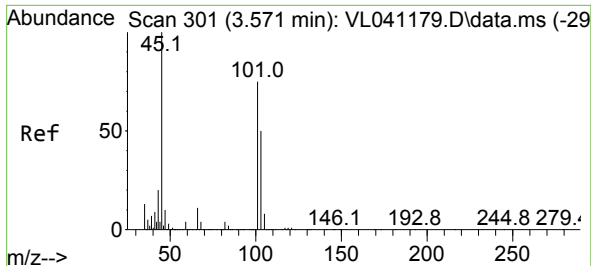
Tgt Ion: 39 Resp: 2923

Ion Ratio Lower Upper

39 100

54 128.1 62.2 93.4#

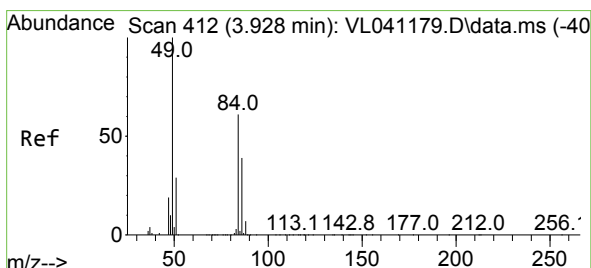
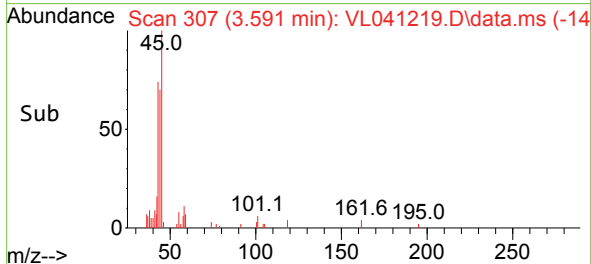
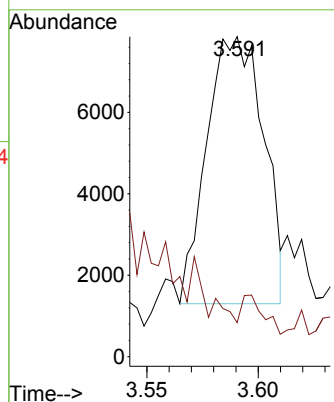
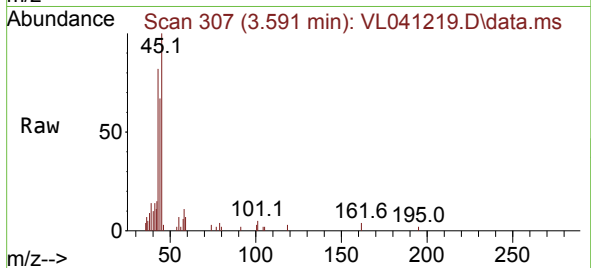




#19
Isopropyl Alcohol
Concen: 0.162 ppbv
RT: 3.591 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

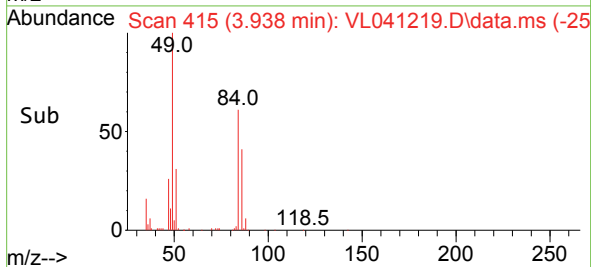
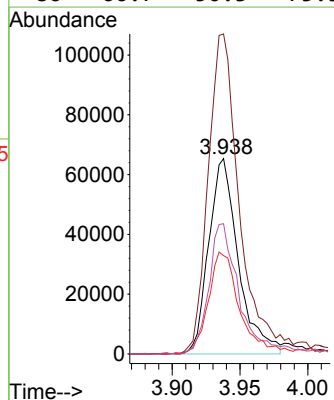
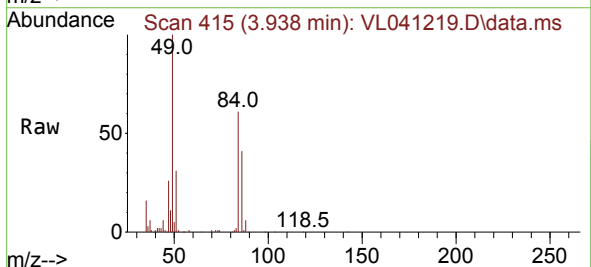
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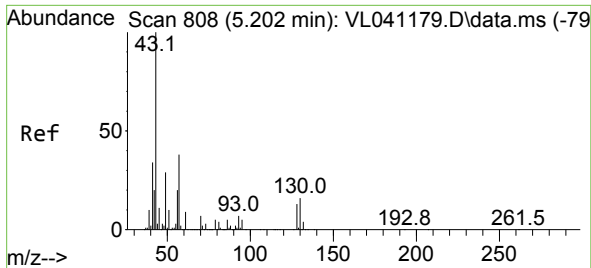
Tgt Ion: 45 Resp: 11603
Ion Ratio Lower Upper
45 100
58 1382.6 26.8 40.2#



#20
Methylene Chloride
Concen: 2.624 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.000 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

Tgt Ion: 84 Resp: 99418
Ion Ratio Lower Upper
84 100
49 163.3 130.4 195.6
51 49.9 38.0 57.0
86 66.7 50.3 75.5

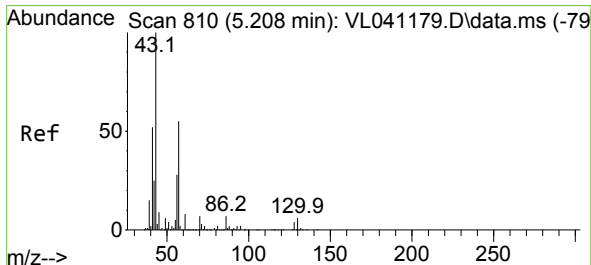
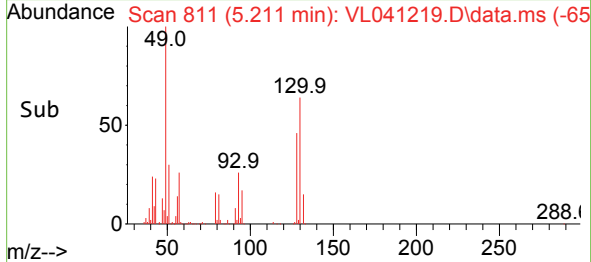
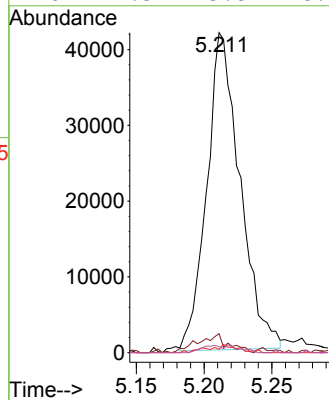
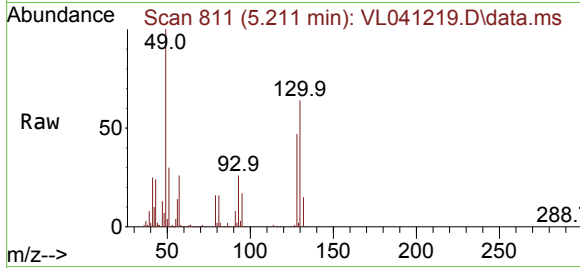




#25
Ethyl Acetate
Concen: 0.328 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

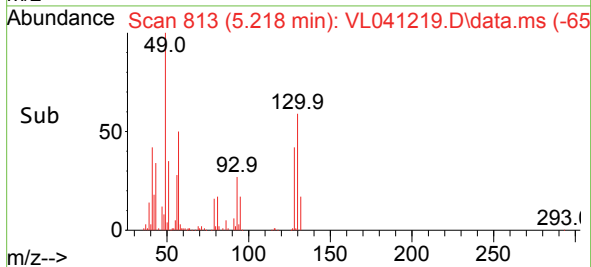
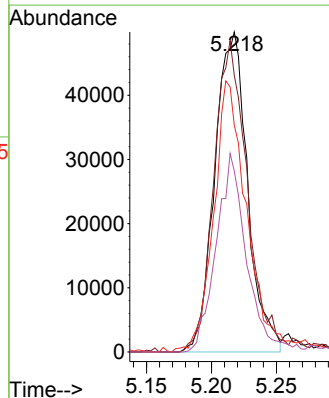
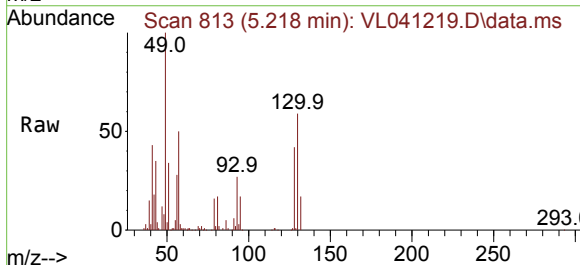
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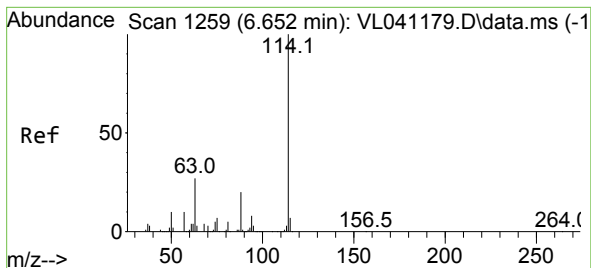
Tgt Ion: 43 Resp: 71277
Ion Ratio Lower Upper
43 100
45 6.4 8.2 12.2#
61 2.3 7.7 11.5#
70 2.5 5.8 8.6#



#26
Hexane
Concen: 0.900 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

Tgt Ion: 57 Resp: 87374
Ion Ratio Lower Upper
57 100
41 102.5 75.8 113.8
43 88.1 187.0 280.4#
56 58.8 42.7 64.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041219.D

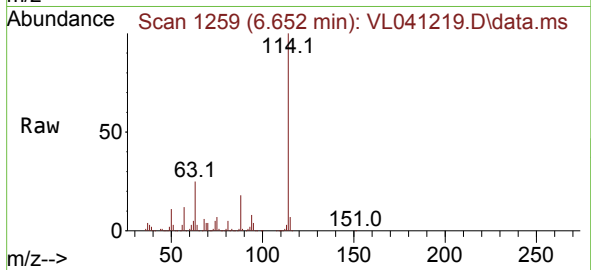
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Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA03-20240425DL



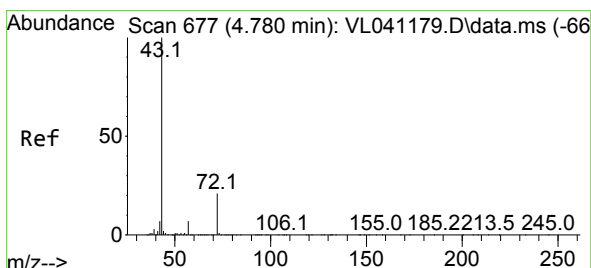
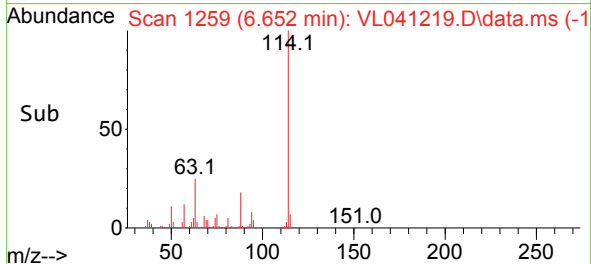
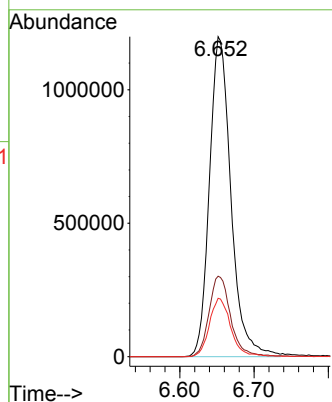
Tgt Ion:114 Resp: 2406022

Ion Ratio Lower Upper

114 100

63 25.6 21.8 32.6

88 18.4 15.2 22.8



#34

2-Butanone

Concen: 0.032 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.000 min

Lab File: VL041219.D

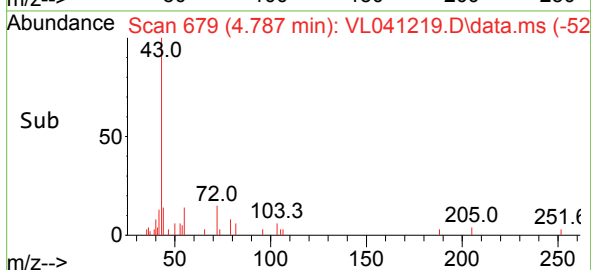
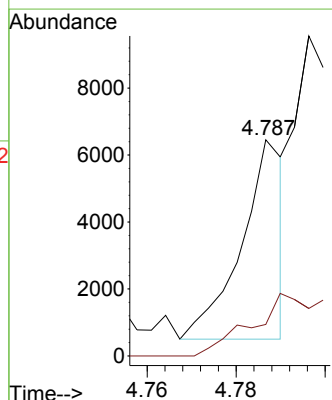
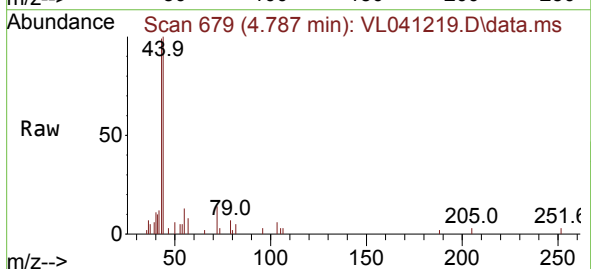
Acq: 6 May 2024 15:38

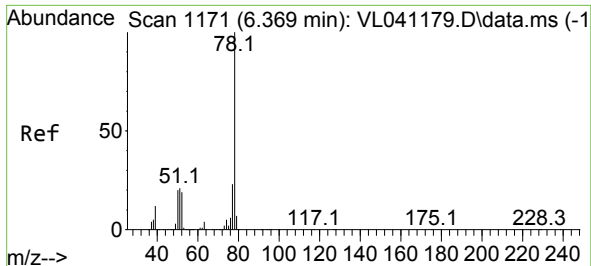
Tgt Ion: 43 Resp: 3932

Ion Ratio Lower Upper

43 100

72 0.0 17.3 25.9#

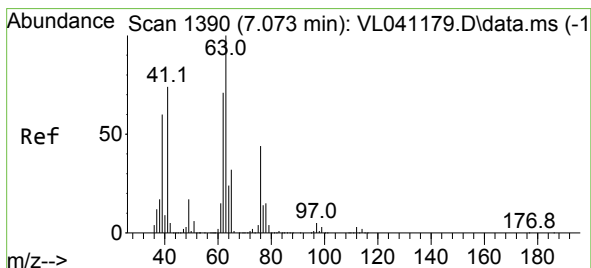
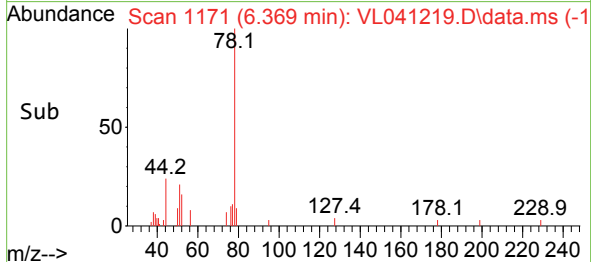
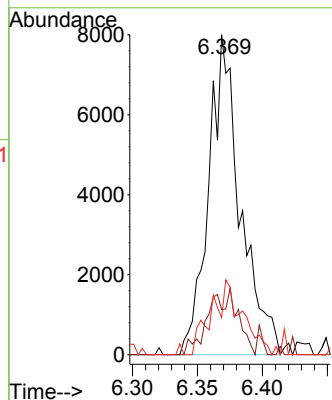
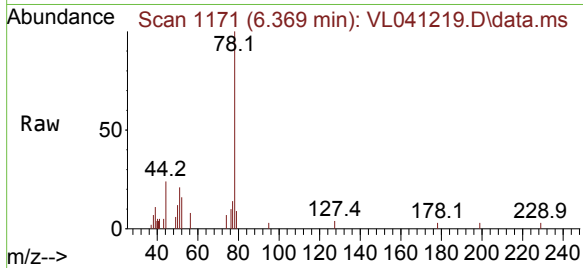




#36
Benzene
Concen: 0.067 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

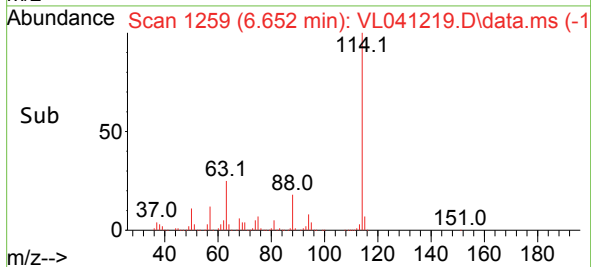
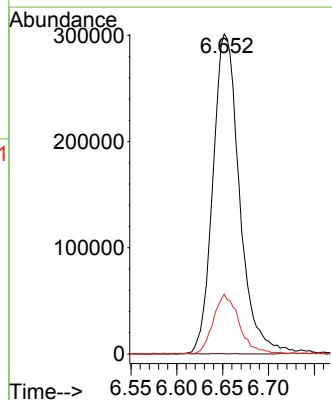
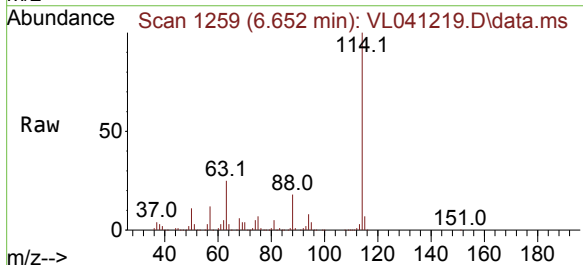
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA03-20240425DL

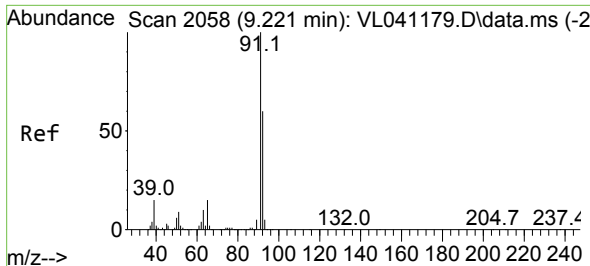
Tgt Ion: 78 Resp: 13576
Ion Ratio Lower Upper
78 100
77 14.1 18.3 27.5#
50 11.6 15.9 23.9#



#39
1,2-Dichloropropane
Concen: 7.771 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.421 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

Tgt Ion: 63 Resp: 604722
Ion Ratio Lower Upper
63 100
41 0.0 59.4 89.0#
62 18.5 56.8 85.2#

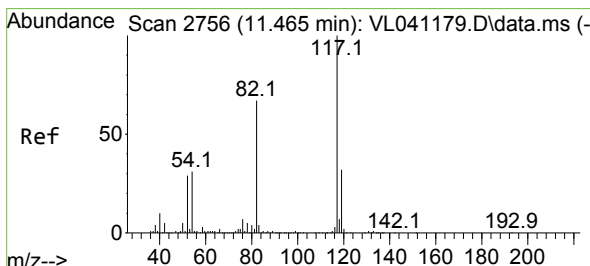
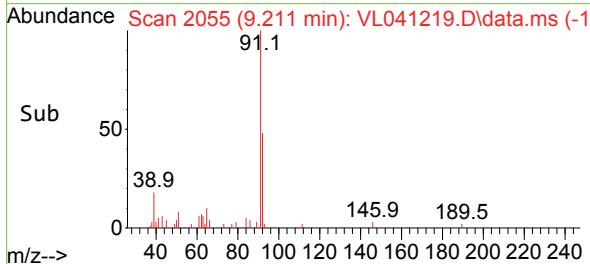
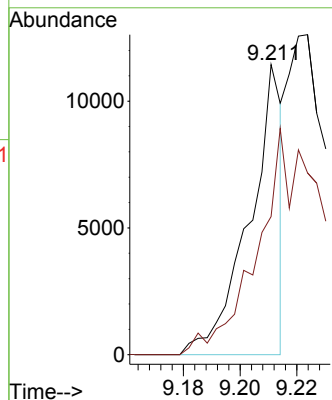
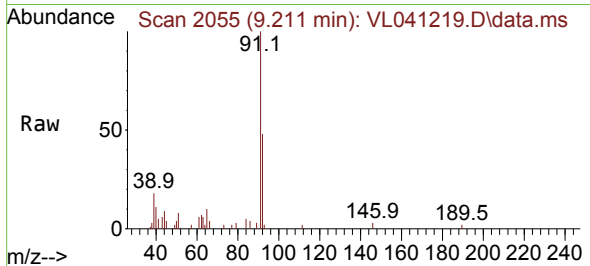




#53
Toluene
Concen: 0.039 ppbv
RT: 9.211 min Scan# 2058
Delta R.T. -0.010 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

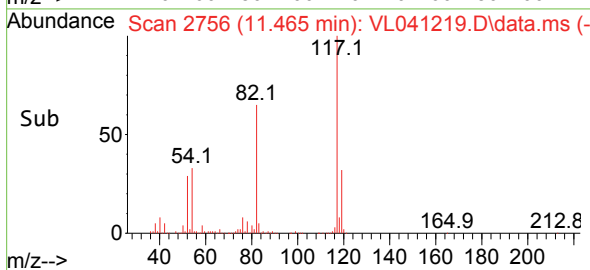
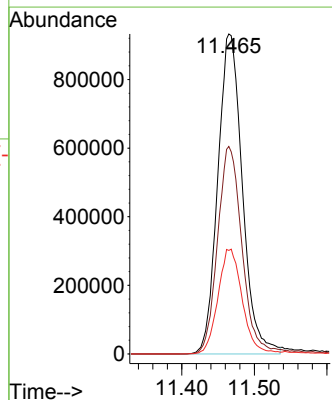
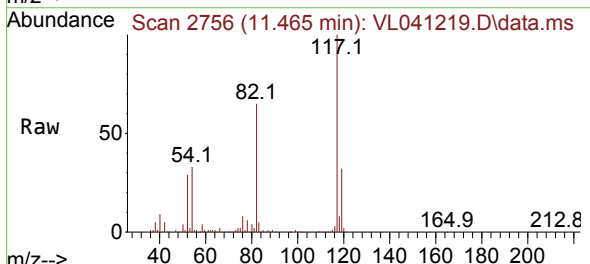
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA03-20240425DL

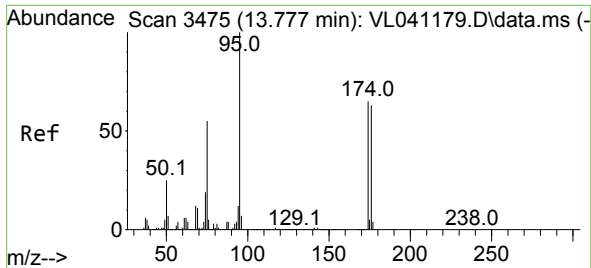
Tgt Ion: 91 Resp: 9147
Ion Ratio Lower Upper
91 100
92 178.3 48.2 72.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041219.D
Acq: 6 May 2024 15:38

Tgt Ion:117 Resp: 2194694
Ion Ratio Lower Upper
117 100
82 65.3 53.6 80.4
119 33.1 27.2 40.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.284 ppbv

RT: 13.777 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL041219.D

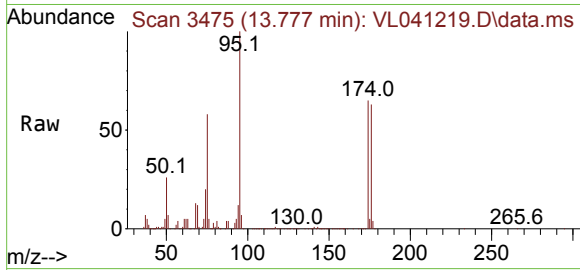
Acq: 6 May 2024 15:38

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA03-20240425DL



Tgt Ion: 95 Resp: 1704012

Ion Ratio Lower Upper

95 100

174 66.4 53.6 80.4

175 5.0 4.2 6.4

