

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041303.D
 Acq On : 4 Jun 2024 12:29
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Jun 05 04:15:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 24 23:11:50 2024
 Response via : Initial Calibration

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

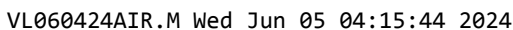
Internal Standards						
1) Bromochloromethane	5.205	49	989817	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2573190	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2358483	10.000	ppbv	-0.02

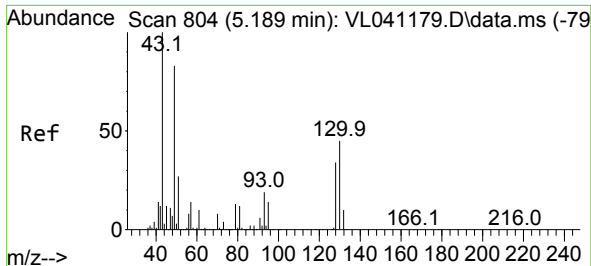
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1832343	10.291	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.764	85	6221	0.046	ppbv	89
3) Chlorodifluoromethane	2.703	51	5501	0.037	ppbv #	87
5) Vinyl Chloride	2.951	62	2157	0.036	ppbv #	83
7) Chloroethane	3.224	64	720	0.034	ppbv #	82
8) Dichlorotetrafluoroethane	2.886	85	4822	0.035	ppbv	94
11) Trichlorofluoromethane	3.584	101	4544	0.033	ppbv	90
20) Methylene Chloride	3.951	84	3941	0.097	ppbv #	93
26) Hexane	5.227	57	4599	0.044	ppbv #	73
39) 1,2-Dichloropropane	6.658	63	648689	7.795	ppbv #	24

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

Quant Time: Jun 05 04:15:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 24 23:11:50 2024
Response via : Initial Calibration

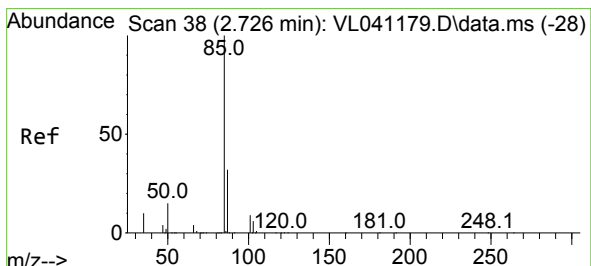
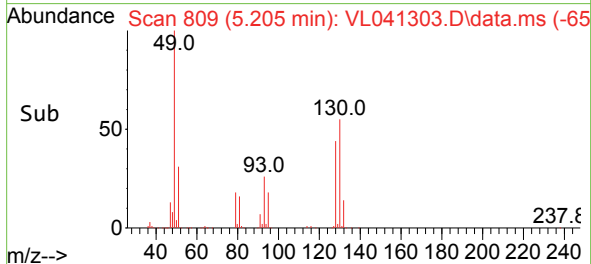
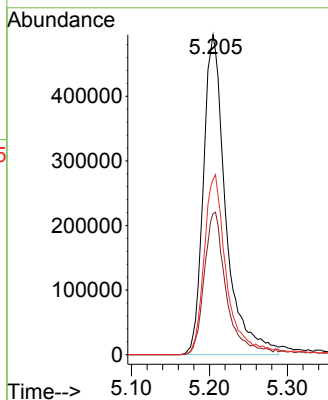
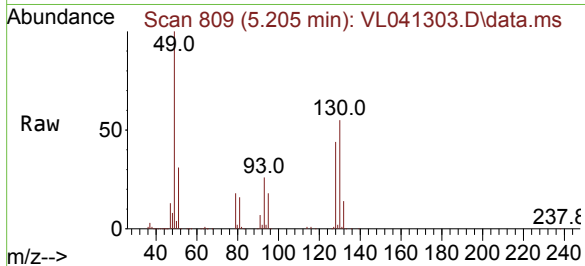




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

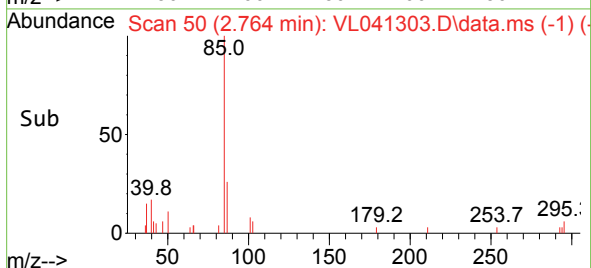
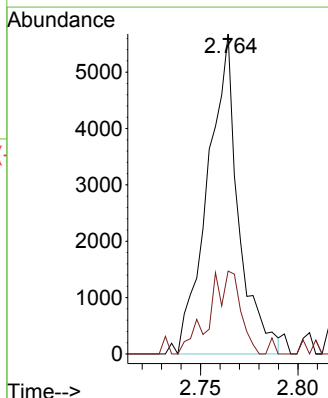
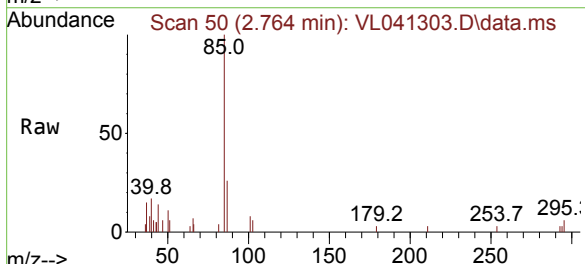
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

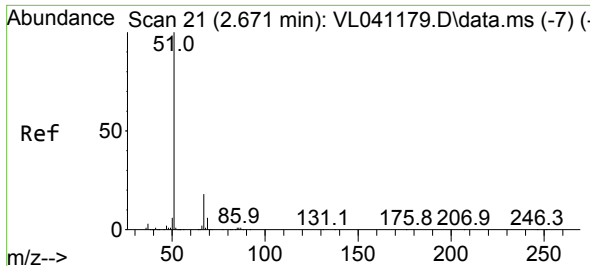
Tgt Ion: 49 Resp: 989817
Ion Ratio Lower Upper
49 100
128 46.1 21.5 64.5
130 58.0 27.2 81.6



#2
Dichlorodifluoromethane
Concen: 0.046 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.019 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

Tgt Ion: 85 Resp: 6221
Ion Ratio Lower Upper
85 100
87 25.9 25.7 38.5

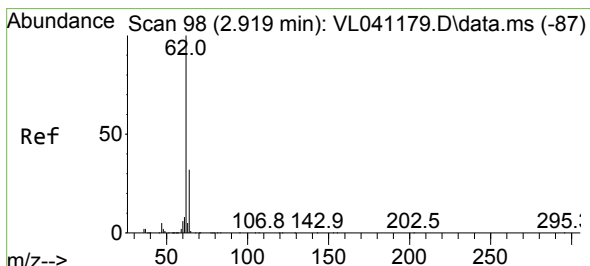
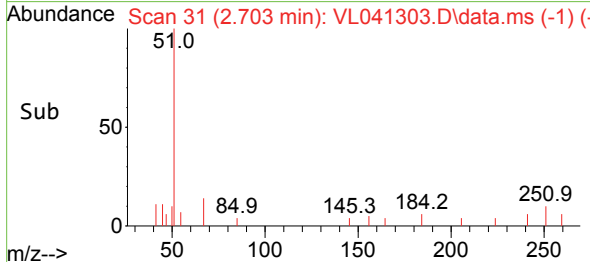
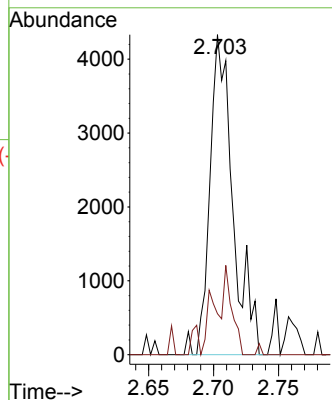
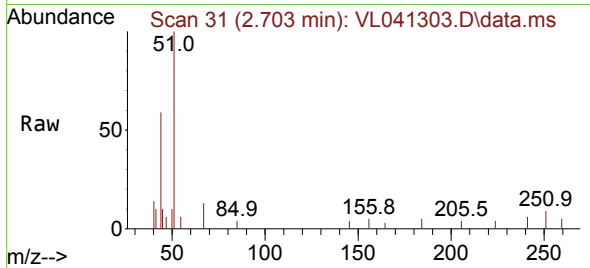




#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

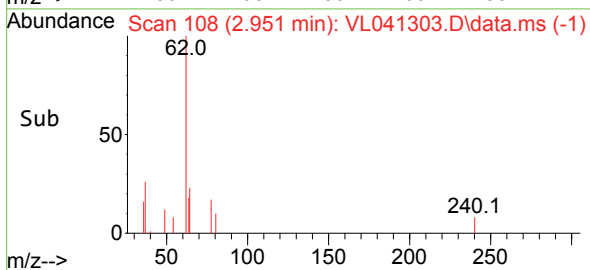
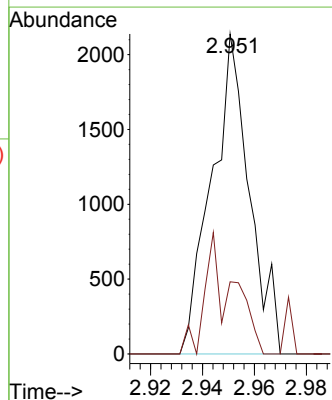
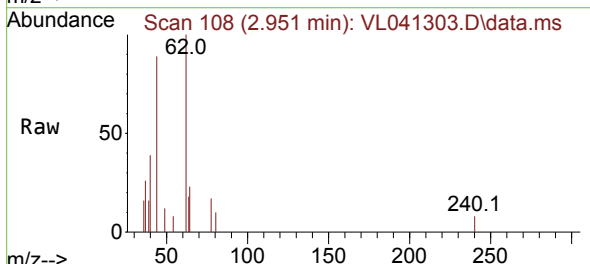
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

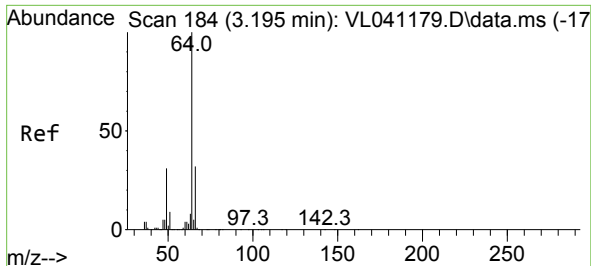
Tgt Ion: 51 Resp: 5501
Ion Ratio Lower Upper
51 100
67 23.3 14.0 21.0#



#5
Vinyl Chloride
Concen: 0.036 ppbv
RT: 2.951 min Scan# 108
Delta R.T. 0.016 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

Tgt Ion: 62 Resp: 2157
Ion Ratio Lower Upper
62 100
64 22.5 25.7 38.5#

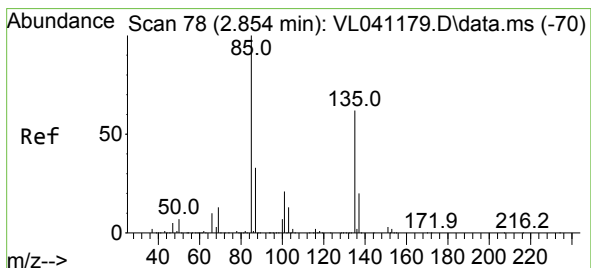
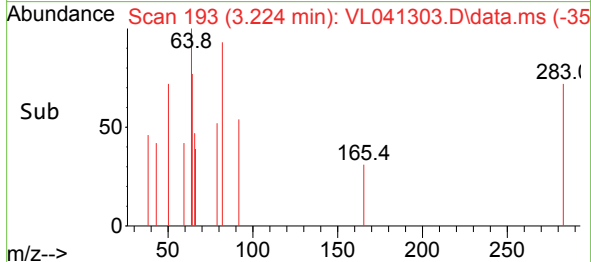
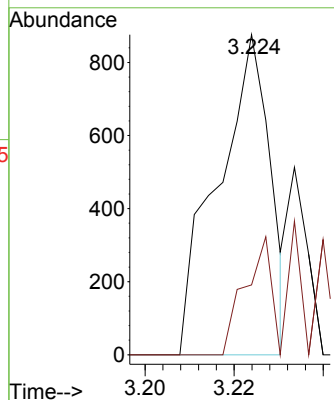
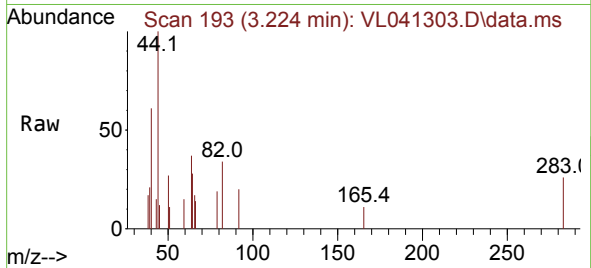




#7
Chloroethane
Concen: 0.034 ppbv
RT: 3.224 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

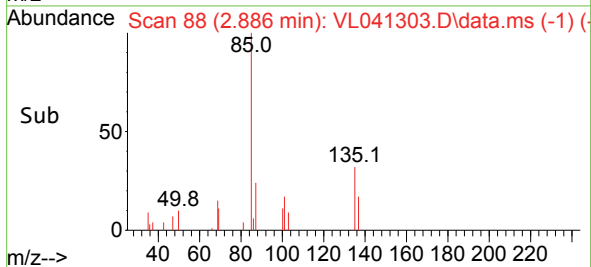
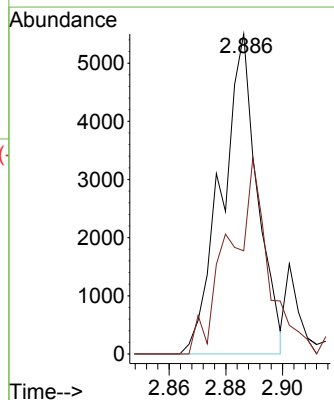
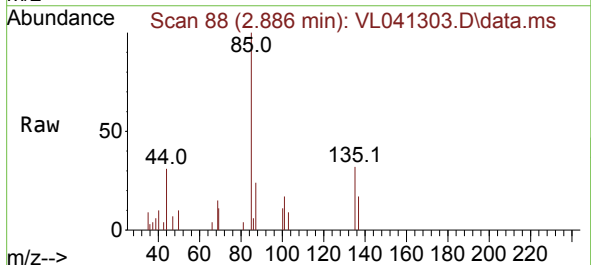
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

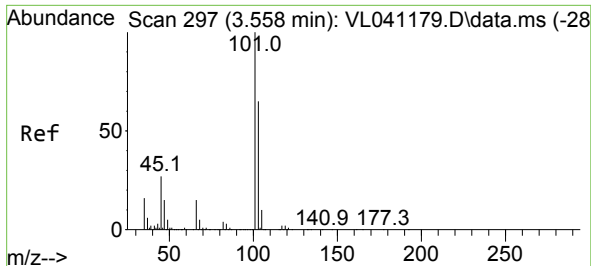
Tgt Ion: 64 Resp: 720
Ion Ratio Lower Upper
64 100
66 21.8 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 0.035 ppbv
RT: 2.886 min Scan# 88
Delta R.T. 0.013 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

Tgt Ion: 85 Resp: 4822
Ion Ratio Lower Upper
85 100
135 69.4 51.5 77.3

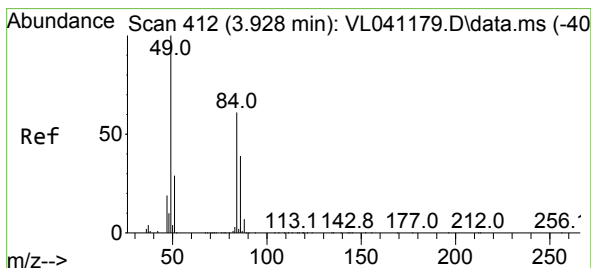
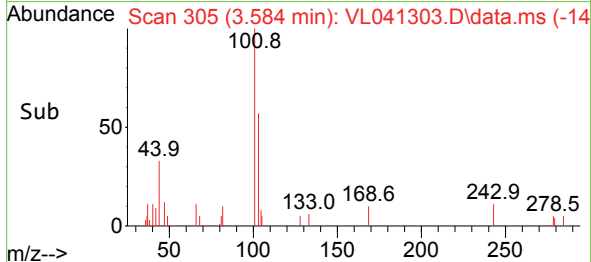
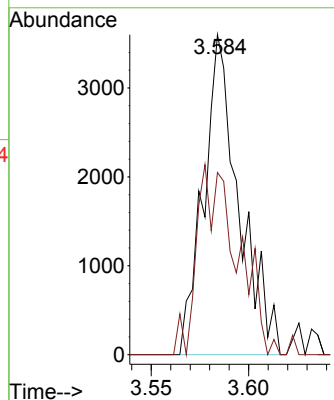
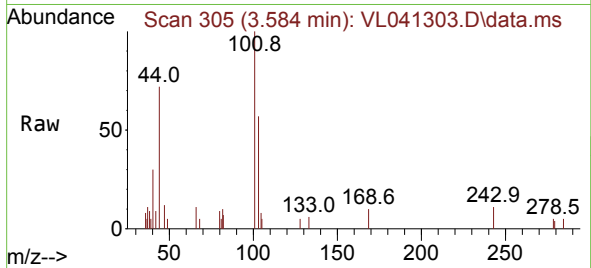




#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.006 min
 Lab File: VL041303.D
 Acq: 4 Jun 2024 12:29

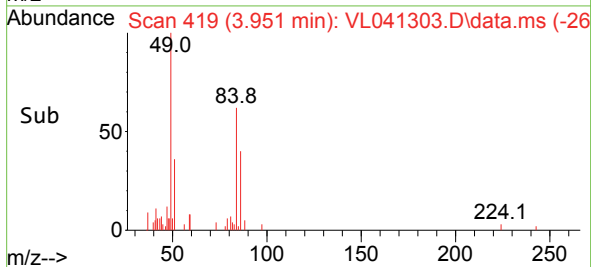
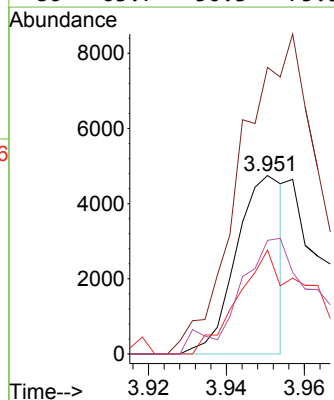
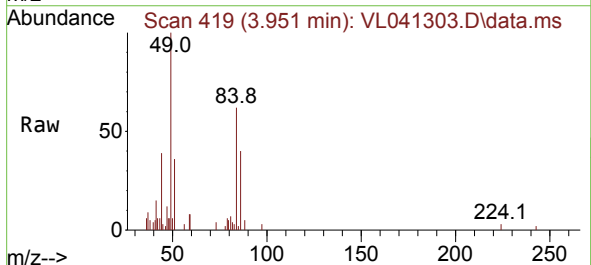
Instrument :
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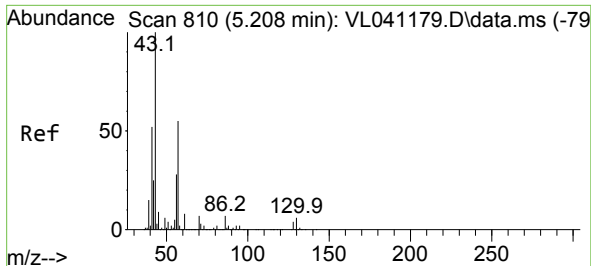
Tgt Ion:101 Resp: 4544
 Ion Ratio Lower Upper
 101 100
 103 56.9 51.6 77.4



#20
 Methylene Chloride
 Concen: 0.097 ppbv
 RT: 3.951 min Scan# 419
 Delta R.T. 0.003 min
 Lab File: VL041303.D
 Acq: 4 Jun 2024 12:29

Tgt Ion: 84 Resp: 3941
 Ion Ratio Lower Upper
 84 100
 49 153.4 130.4 195.6
 51 58.2 38.0 57.0#
 86 63.7 50.3 75.5

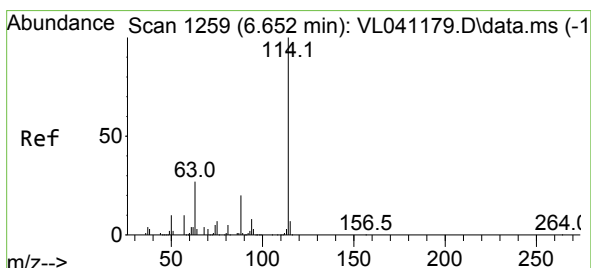
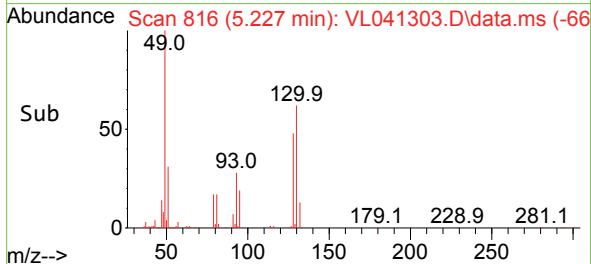
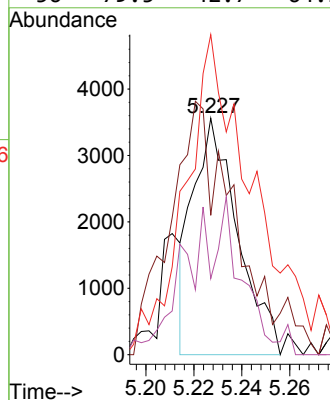
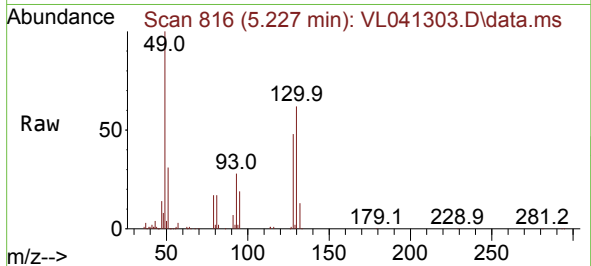




#26
Hexane
Concen: 0.044 ppbv
RT: 5.227 min Scan# 810
Delta R.T. -0.000 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

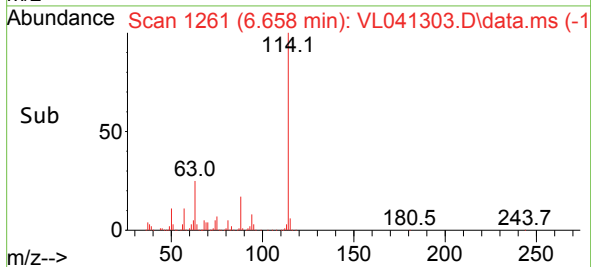
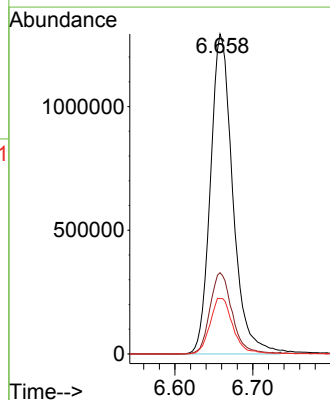
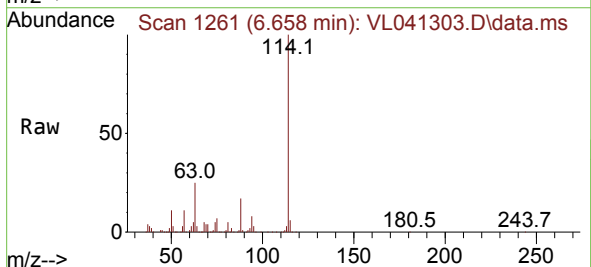
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

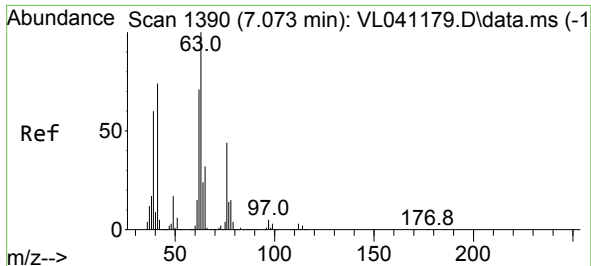
Tgt Ion: 57 Resp: 4599
Ion Ratio Lower Upper
57 100
41 165.7 75.8 113.8#
43 223.6 187.0 280.4
56 79.5 42.7 64.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.010 min
Lab File: VL041303.D
Acq: 4 Jun 2024 12:29

Tgt Ion: 114 Resp: 2573190
Ion Ratio Lower Upper
114 100
63 25.7 21.8 32.6
88 18.1 15.2 22.8





#39

1,2-Dichloropropane

Concen: 7.795 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.431 min

Lab File: VL041303.D

Acq: 4 Jun 2024 12:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

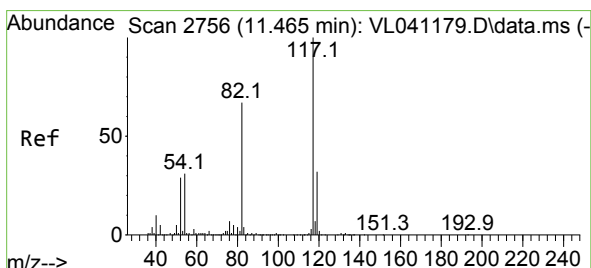
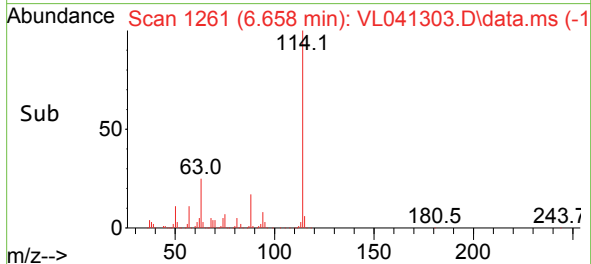
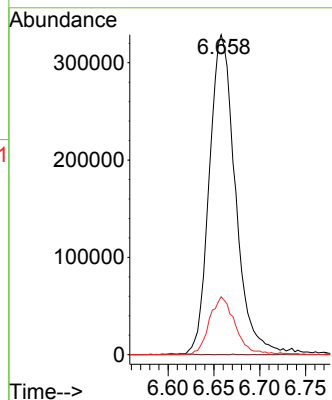
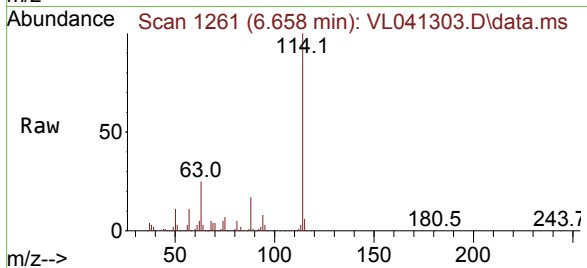
Tgt Ion: 63 Resp: 648689

Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 18.0 56.8 85.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 2756

Delta R.T. -0.016 min

Lab File: VL041303.D

Acq: 4 Jun 2024 12:29

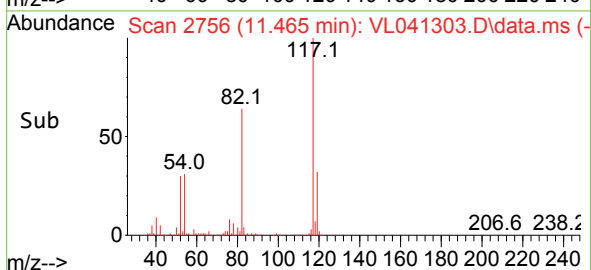
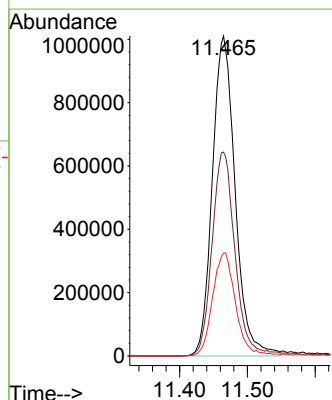
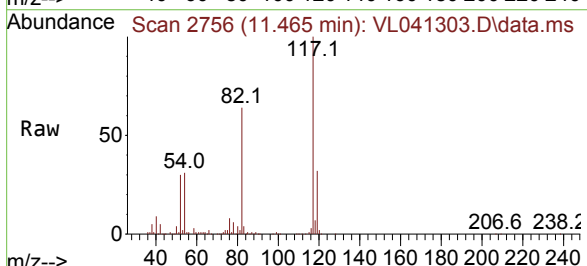
Tgt Ion: 117 Resp: 2358483

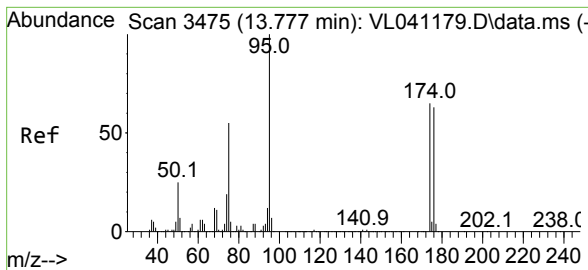
Ion Ratio Lower Upper

117 100

82 65.6 53.6 80.4

119 33.1 27.2 40.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.291 ppbv
 RT: 13.773 min Scan# 34
 Delta R.T. -0.013 min
 Lab File: VL041303.D
 Acq: 4 Jun 2024 12:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion: 95 Resp: 1832343

Ion	Ratio	Lower	Upper
95	100		
174	65.9	53.6	80.4
175	4.8	4.2	6.4

