

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041325.D
 Acq On : 5 Jun 2024 13:24
 Operator : SY/MD
 Sample : P2673-06DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOC-4-AMBIENTDL

Quant Time: Jun 06 04:38:53 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 : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

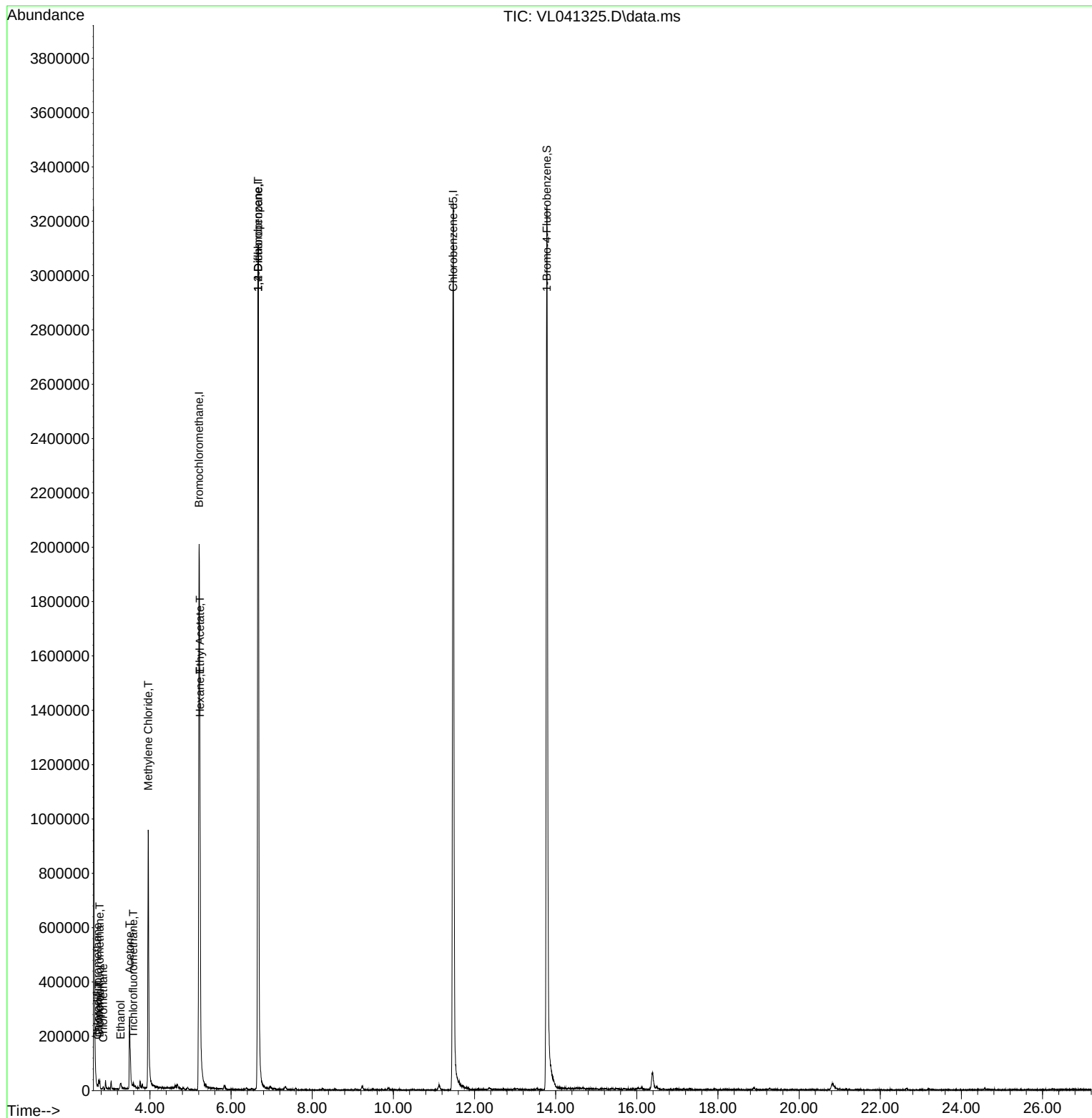
Internal Standards						
1) Bromochloromethane	5.211	49	900244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2361470	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2143680	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1684117	10.175	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	15997	0.111	ppbv	92
3) Chlorodifluoromethane	2.706	51	11155	0.078	ppbv	94
4) Chloromethane	2.848	50	6529	0.122	ppbv	95
9) Propene	2.739	41	5445	0.107	ppbv	90
11) Trichlorofluoromethane	3.587	101	7620	0.058	ppbv	97
13) Ethanol	3.276	45	11881	0.901	ppbv #	7
15) Acetone	3.501	43	275230	2.678	ppbv	100
20) Methylene Chloride	3.960	84	308779	8.265	ppbv	97
25) Ethyl Acetate	5.230	43	229473	1.129	ppbv #	77
26) Hexane	5.234	57	319755	3.497	ppbv #	42
39) 1,2-Dichloropropane	6.668	63	591735	8.119	ppbv #	25

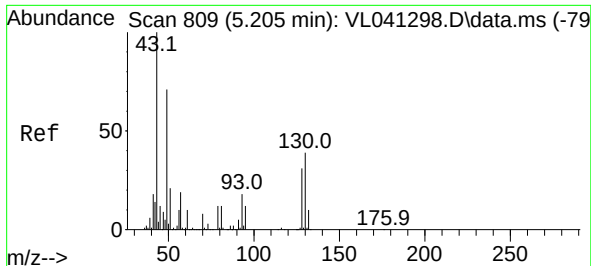
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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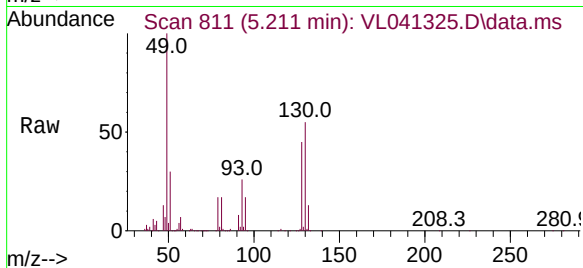
Quant Time: Jun 06 04:38:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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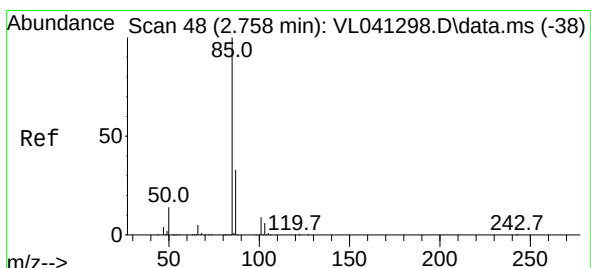
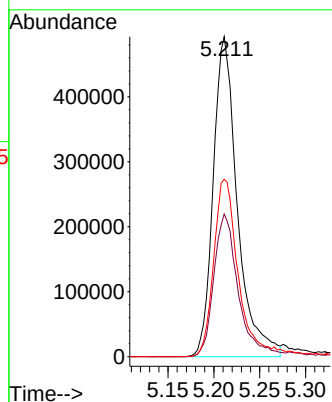
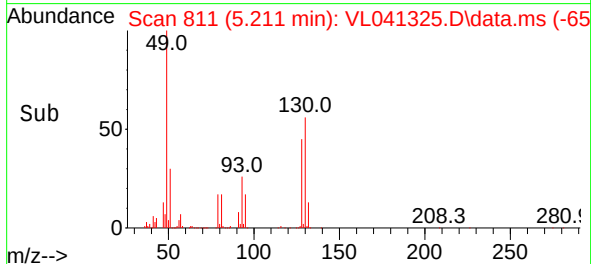


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041325.D
Acq: 5 Jun 2024 13:24

Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENTDL

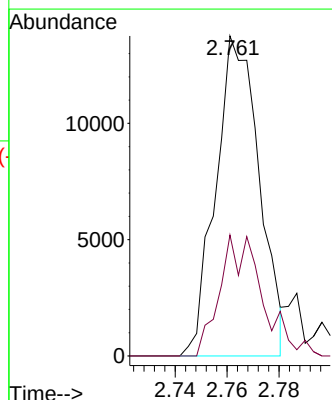
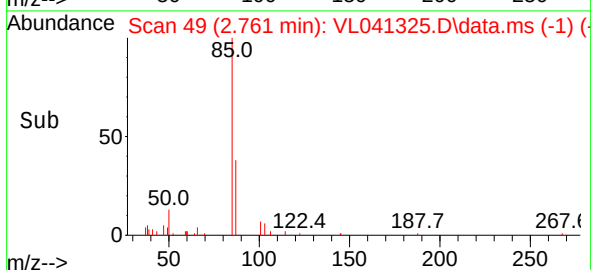
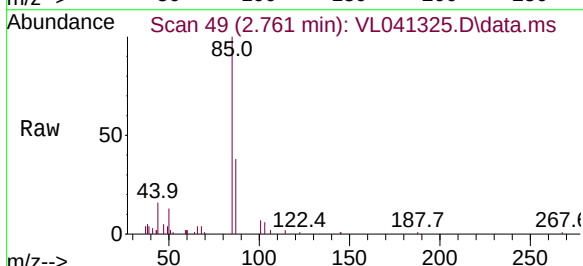


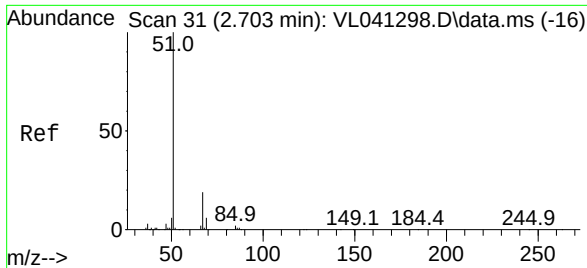
Tgt Ion: 49 Resp: 900244
Ion Ratio Lower Upper
49 100
128 47.2 22.8 68.3
130 59.1 28.4 85.3



#2
Dichlorodifluoromethane
Concen: 0.111 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL041325.D
Acq: 5 Jun 2024 13:24

Tgt Ion: 85 Resp: 15997
Ion Ratio Lower Upper
85 100
87 37.8 26.5 39.7

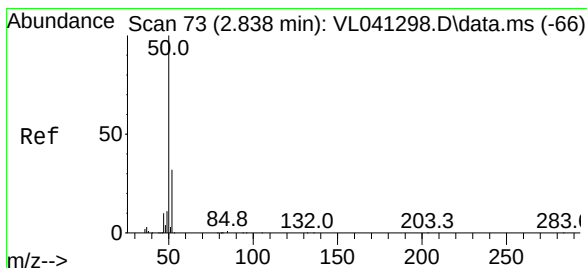
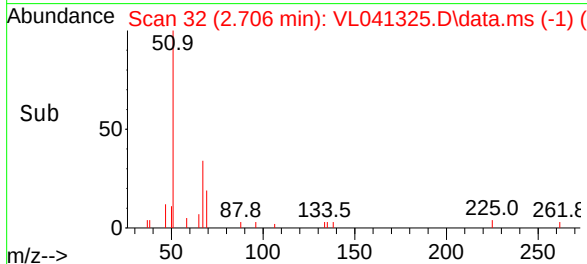
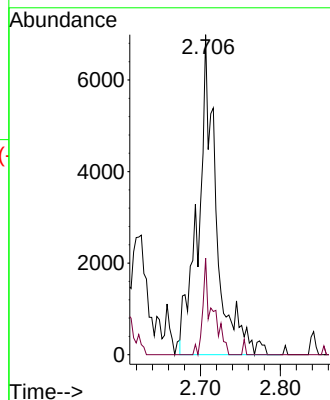
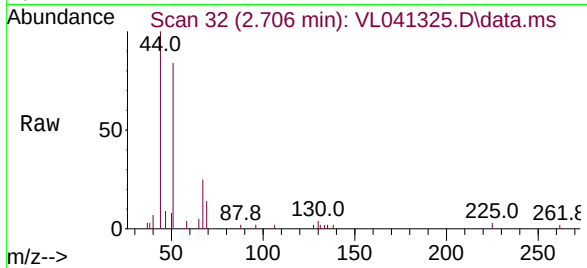




#3
Chlorodifluoromethane
Concen: 0.078 ppbv
RT: 2.706 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041325.D
Acq: 5 Jun 2024 13:24

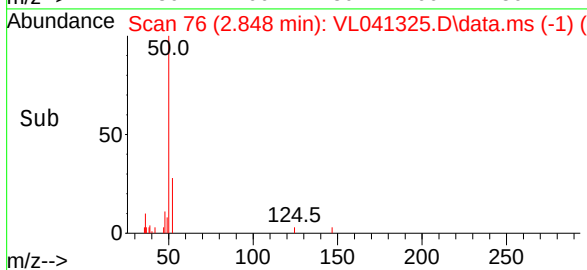
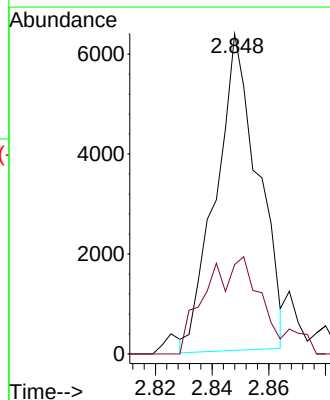
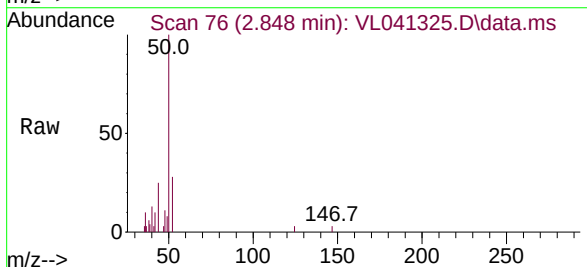
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENTDL

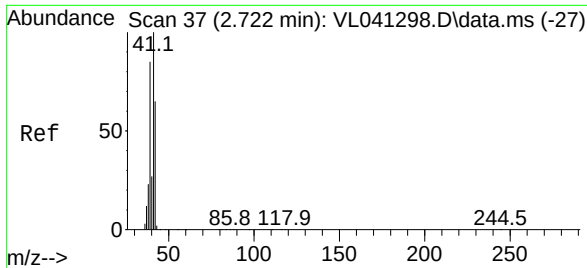
Tgt Ion: 51 Resp: 11155
Ion Ratio Lower Upper
51 100
67 15.8 14.7 22.1



#4
Chloromethane
Concen: 0.122 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.010 min
Lab File: VL041325.D
Acq: 5 Jun 2024 13:24

Tgt Ion: 50 Resp: 6529
Ion Ratio Lower Upper
50 100
52 29.2 25.6 38.4





#9

Propene

Concen: 0.107 ppbv

RT: 2.739 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA_L

ClientSampleId :

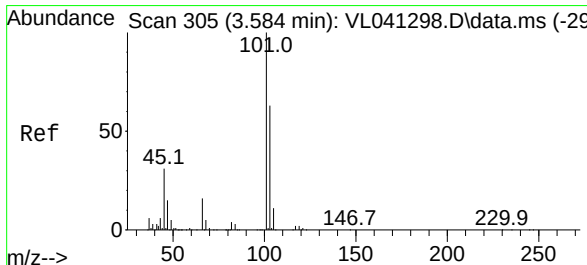
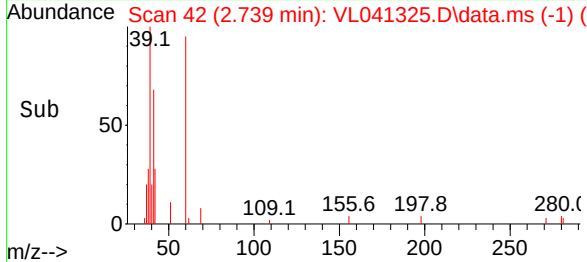
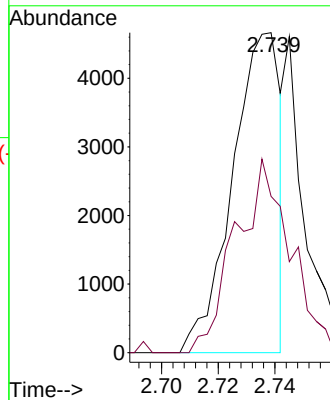
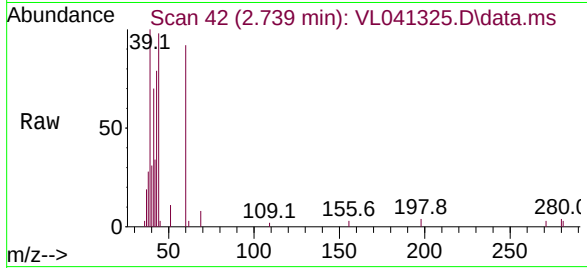
LOC-4-AMBIENTDL

Tgt Ion: 41 Resp: 5445

Ion Ratio Lower Upper

41 100

42 76.8 55.2 82.8



#11

Trichlorofluoromethane

Concen: 0.058 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.003 min

Lab File: VL041325.D

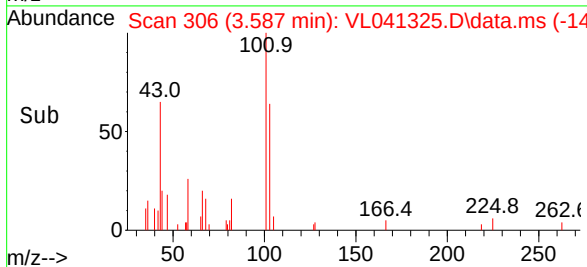
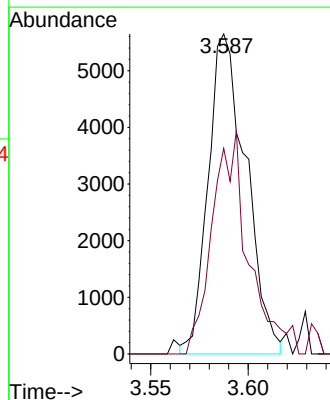
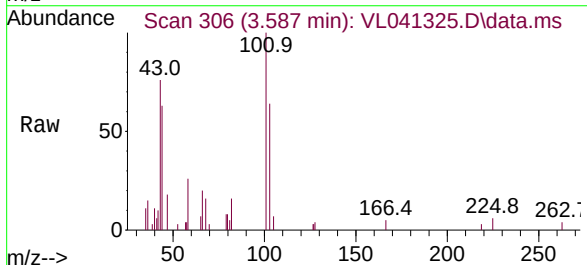
Acq: 5 Jun 2024 13:24

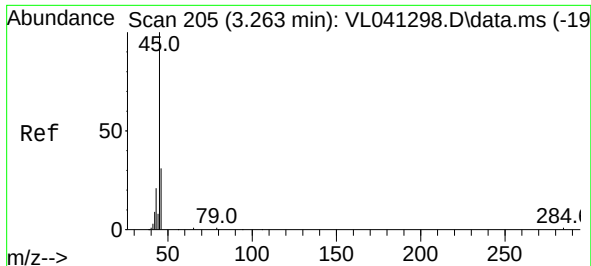
Tgt Ion:101 Resp: 7620

Ion Ratio Lower Upper

101 100

103 66.0 50.6 76.0





#13

Ethanol

Concen: 0.901 ppbv

RT: 3.276 min Scan# 209

Delta R.T. 0.013 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA_L

ClientSampleId :

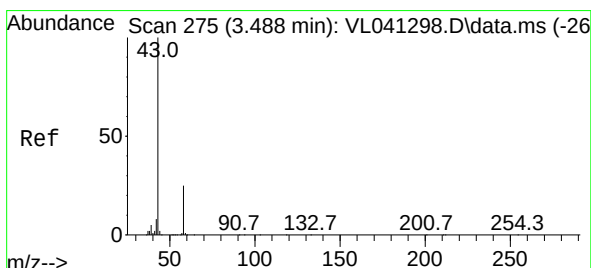
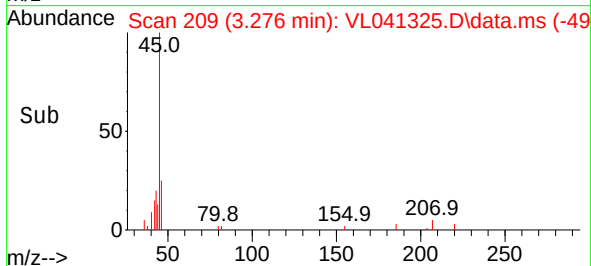
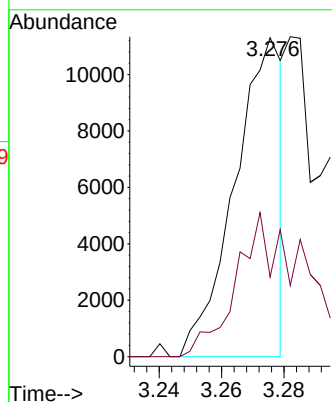
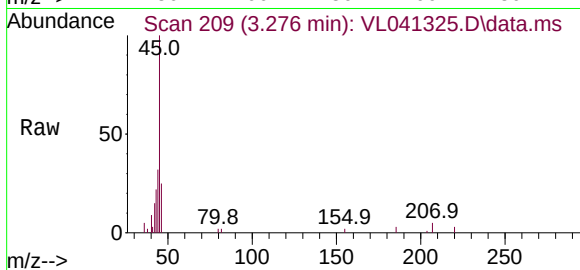
LOC-4-AMBIENTDL

Tgt Ion: 45 Resp: 11881

Ion Ratio Lower Upper

45 100

46 89.6 14.2 56.6#



#15

Acetone

Concen: 2.678 ppbv

RT: 3.501 min Scan# 279

Delta R.T. 0.013 min

Lab File: VL041325.D

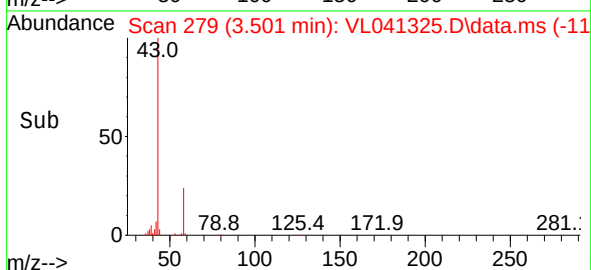
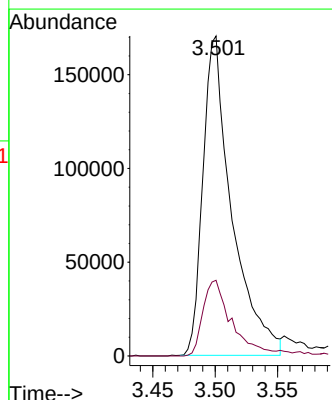
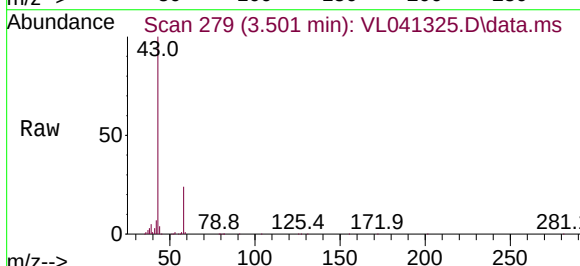
Acq: 5 Jun 2024 13:24

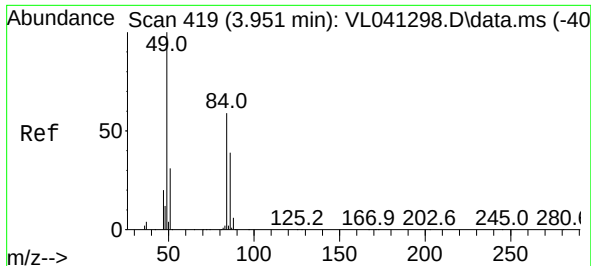
Tgt Ion: 43 Resp: 275230

Ion Ratio Lower Upper

43 100

58 25.8 20.6 31.0





#20

Methylene Chloride

Concen: 8.265 ppbv

RT: 3.960 min Scan# 419

Delta R.T. 0.010 min

Lab File: VL041325.D

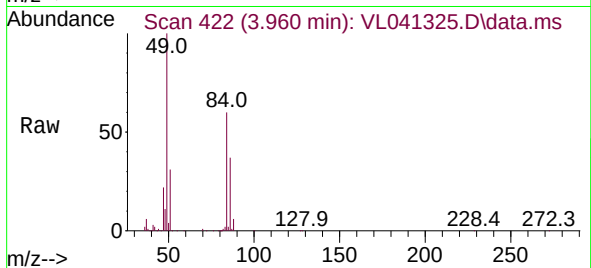
Acq: 5 Jun 2024 13:24

Instrument :

MSVOA_L

ClientSampleId :

LOC-4-AMBIENTDL



Tgt Ion: 84 Resp: 308779

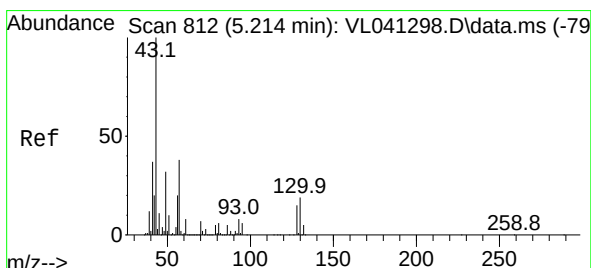
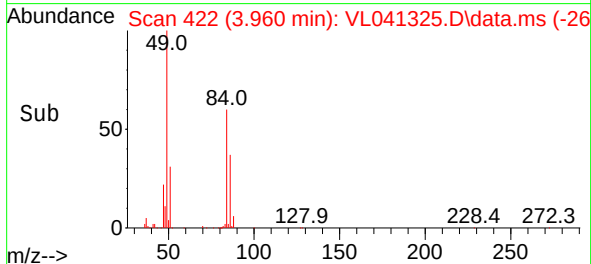
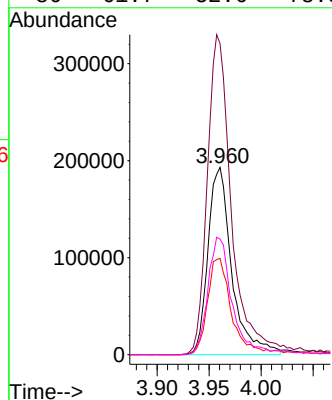
Ion Ratio Lower Upper

84 100

49 166.0 136.2 204.2

51 51.5 41.9 62.9

86 61.7 52.6 78.8



#25

Ethyl Acetate

Concen: 1.129 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.016 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Tgt Ion: 43 Resp: 229473

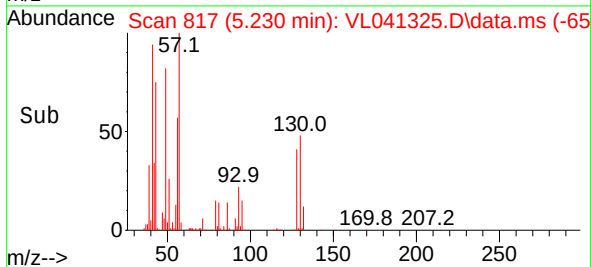
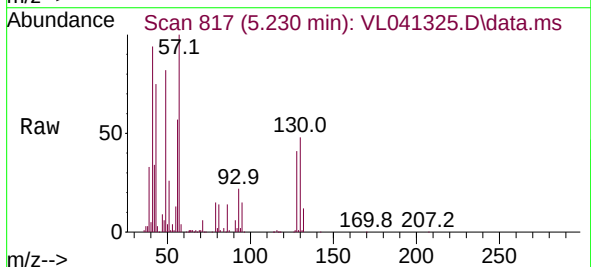
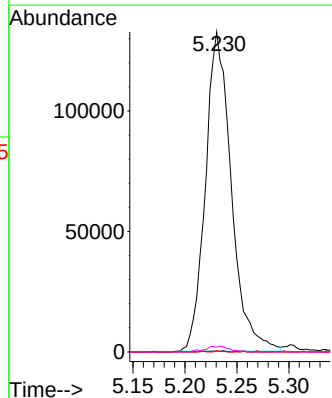
Ion Ratio Lower Upper

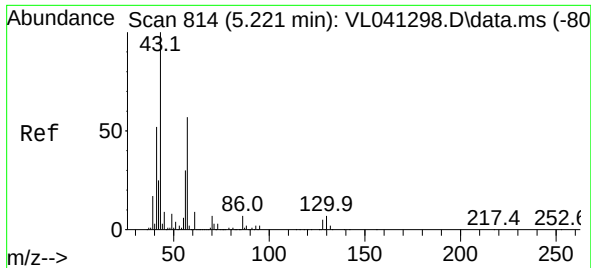
43 100

45 0.3 8.1 12.1#

61 0.1 7.4 11.0#

70 1.7 5.5 8.3#

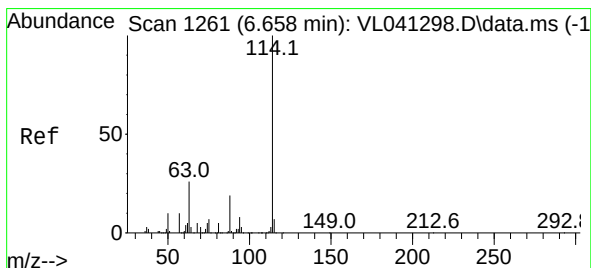
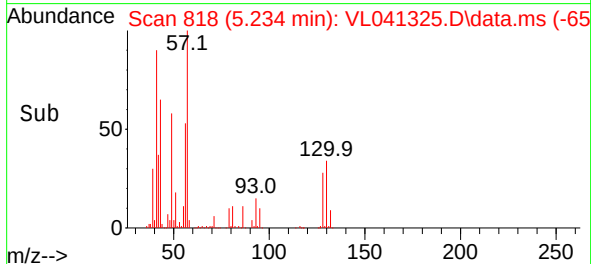
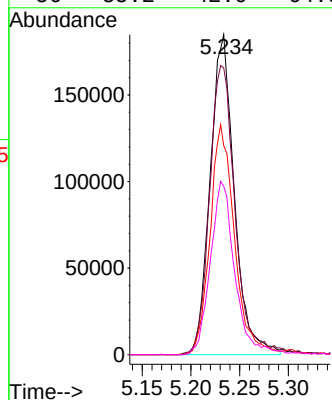
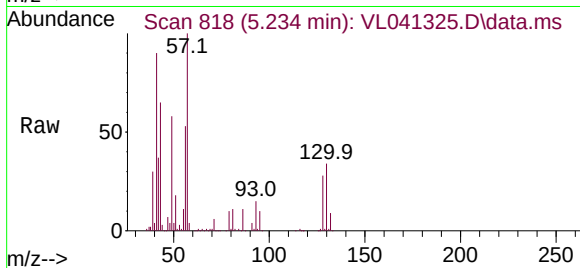




#26
Hexane
Concen: 3.497 ppbv
RT: 5.234 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL041325.D
Acq: 5 Jun 2024 13:24

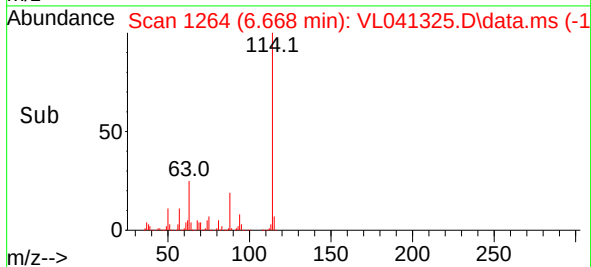
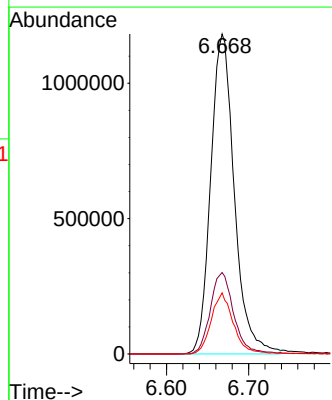
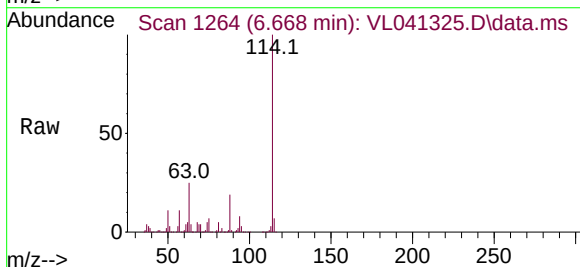
Instrument :
MSVOA_L
ClientSampleId :
LOC-4-AMBIENTDL

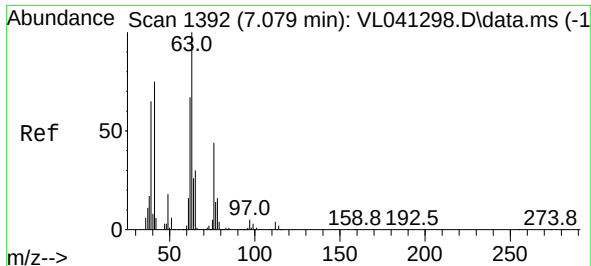
Tgt Ion:	57	Resp:	319755
Ion	Ratio	Lower	Upper
57	100		
41	96.3	77.1	115.7
43	73.9	186.1	279.1#
56	55.2	42.9	64.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.010 min
Lab File: VL041325.D
Acq: 5 Jun 2024 13:24

Tgt Ion:	114	Resp:	2361470
Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.6	30.8
88	18.1	14.5	21.7





#39

1,2-Dichloropropane

Concen: 8.119 ppbv

RT: 6.668 min Scan# 11

Delta R.T. -0.411 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

Instrument :

MSVOA_L

ClientSampleId :

LOC-4-AMBIENTDL

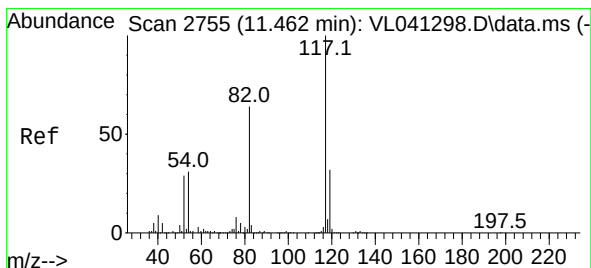
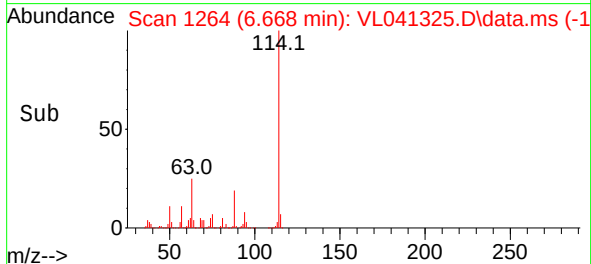
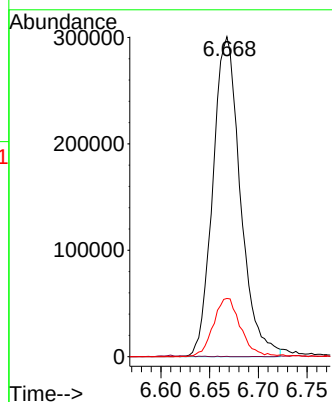
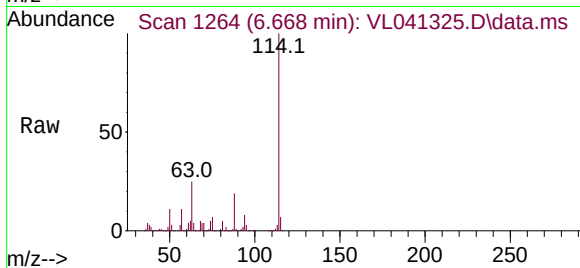
Tgt Ion: 63 Resp: 591735

Ion Ratio Lower Upper

63 100

41 0.0 59.9 89.9#

62 18.2 53.8 80.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 2759

Delta R.T. 0.013 min

Lab File: VL041325.D

Acq: 5 Jun 2024 13:24

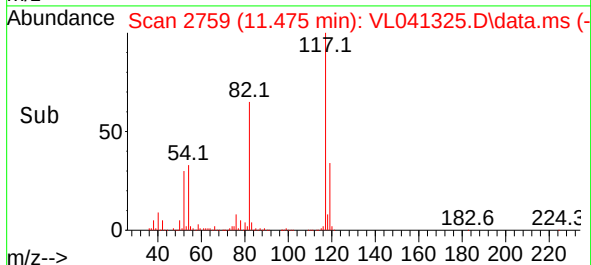
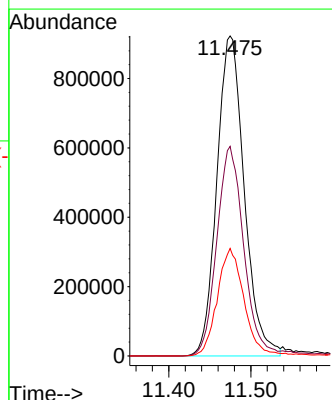
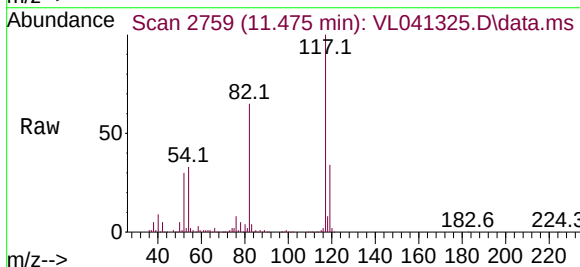
Tgt Ion: 117 Resp: 2143680

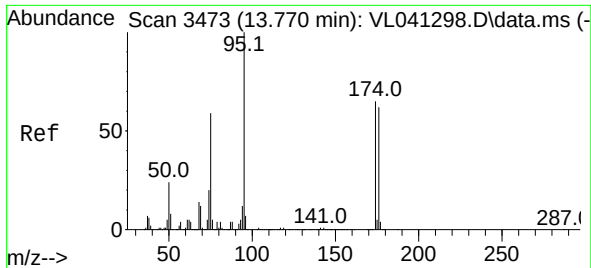
Ion Ratio Lower Upper

117 100

82 66.2 52.3 78.5

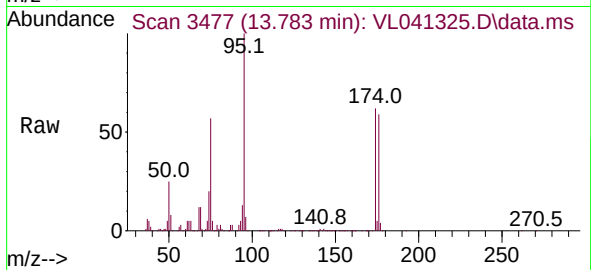
119 33.3 26.2 39.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.175 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.013 min
 Lab File: VL041325.D
 Acq: 5 Jun 2024 13:24

Instrument :
 MSVOA_L
 ClientSampleId :
 LOC-4-AMBIENTDL



Tgt Ion: 95 Resp: 1684117

Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.2	78.2
175	4.6	4.1	6.1

