

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039584.D
 Acq On : 25 Aug 2022 19:02
 Operator : SY/AP
 Sample : N3980-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 26 07:37:22 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

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

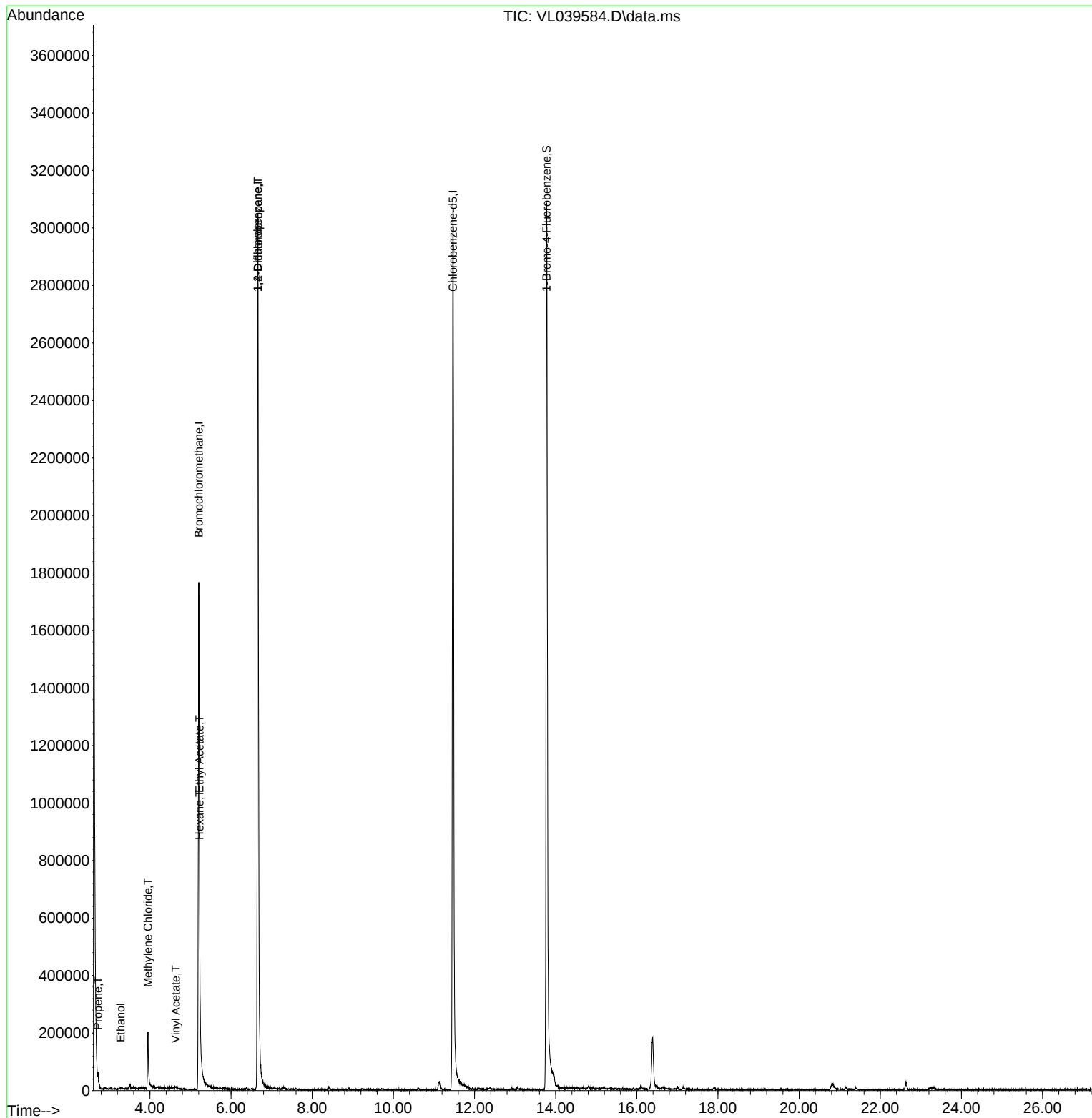
Internal Standards						
1) Bromochloromethane	5.205	49	938340	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2462124	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2100818	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1539227	9.712	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
9) Propene	2.719	41	6073	0.119	ppbv	87
13) Ethanol	3.276	45	2188	0.595	ppbv #	23
20) Methylene Chloride	3.951	84	60974	1.428	ppbv #	90
23) Vinyl Acetate	4.642	43	1562	0.031	ppbv #	15
25) Ethyl Acetate	5.221	43	10845	0.048	ppbv #	77
26) Hexane	5.224	57	30393	0.331	ppbv #	38
39) 1,2-Dichloropropane	6.661	63	587715	8.329	ppbv #	25

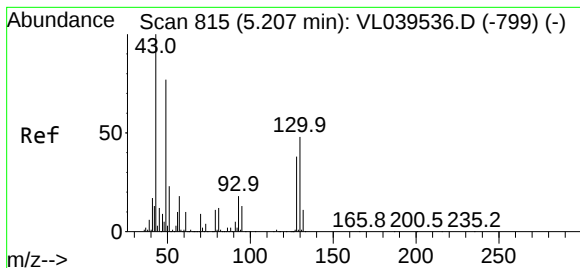
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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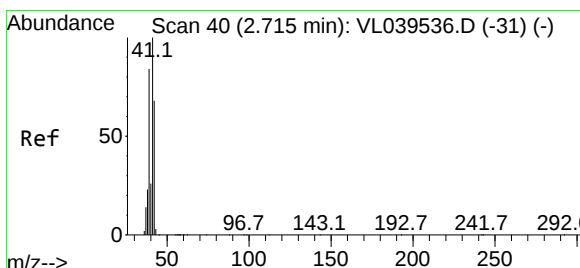
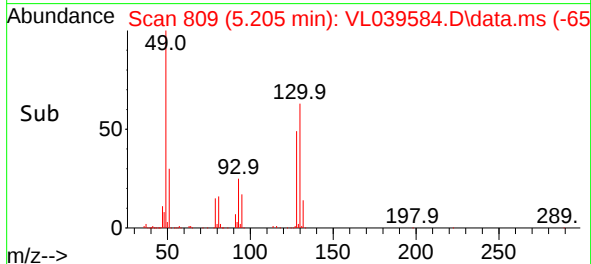
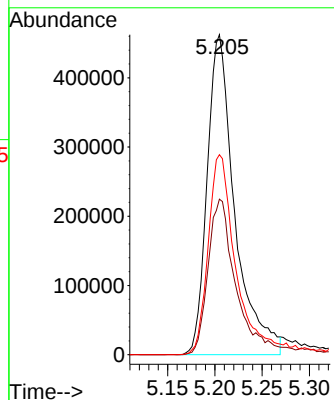
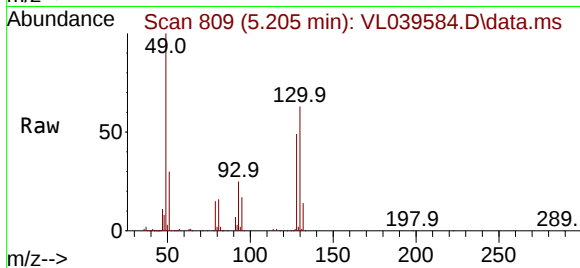




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 815
Delta R.T. -0.002 min
Lab File: VL039584.D
Acq: 25 Aug 2022 19:02

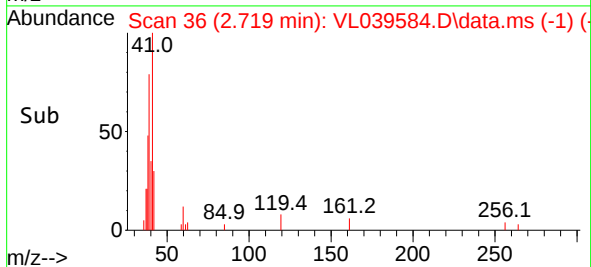
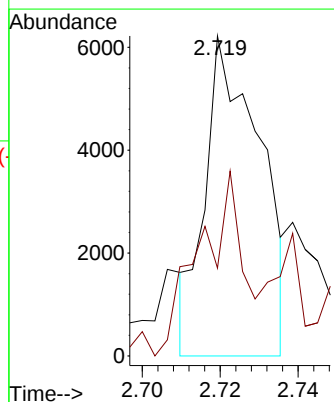
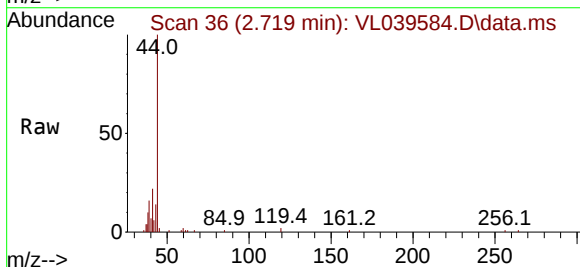
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

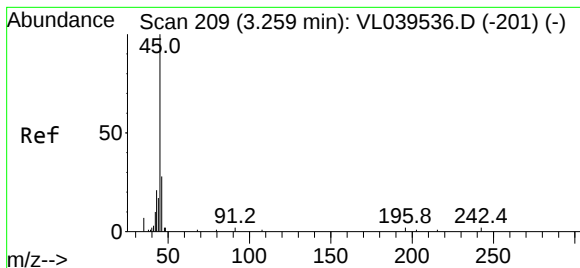
Tgt Ion: 49 Resp: 938340
Ion Ratio Lower Upper
49 100
128 51.7 26.7 80.0
130 67.1 34.3 102.8



#9
Propene
Concen: 0.119 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.004 min
Lab File: VL039584.D
Acq: 25 Aug 2022 19:02

Tgt Ion: 41 Resp: 6073
Ion Ratio Lower Upper
41 100
42 79.5 55.2 82.8





#13

Ethanol

Concen: 0.595 ppbv

RT: 3.276 min Scan# 20

Delta R.T. 0.017 min

Lab File: VL039584.D

Acq: 25 Aug 2022 19:02

Instrument :

MSVOA_L

ClientSampleId :

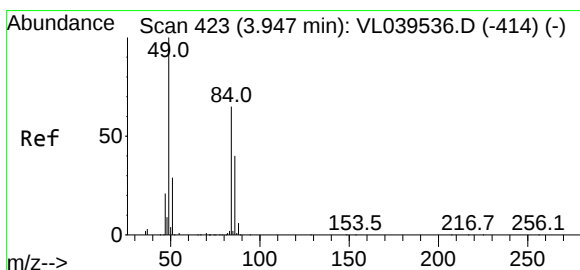
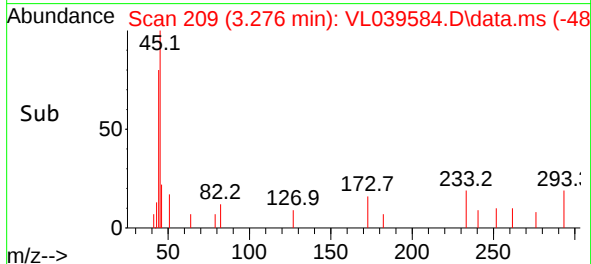
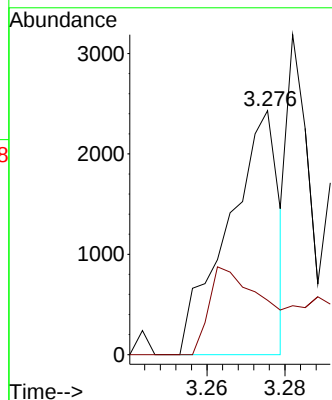
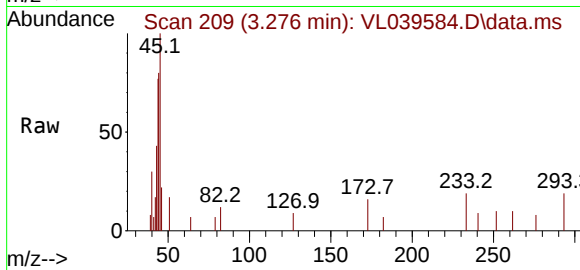
MDL-AIR-03-QT3-2022

Tgt Ion: 45 Resp: 2188

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#



#20

Methylene Chloride

Concen: 1.428 ppbv

RT: 3.951 min Scan# 419

Delta R.T. 0.004 min

Lab File: VL039584.D

Acq: 25 Aug 2022 19:02

Tgt Ion: 84 Resp: 60974

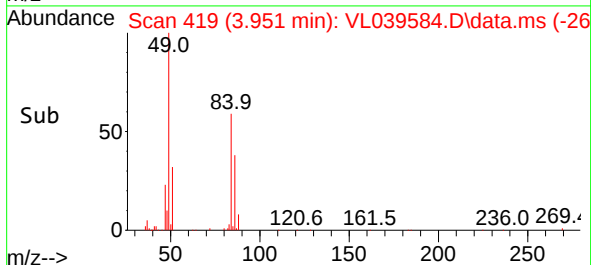
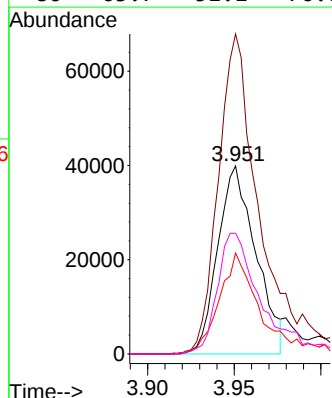
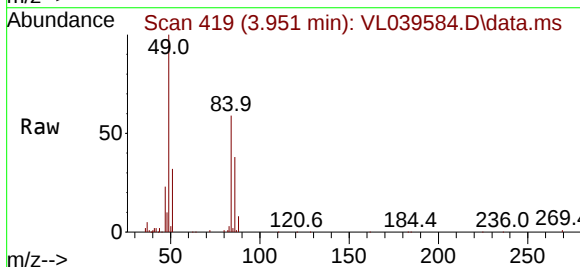
Ion Ratio Lower Upper

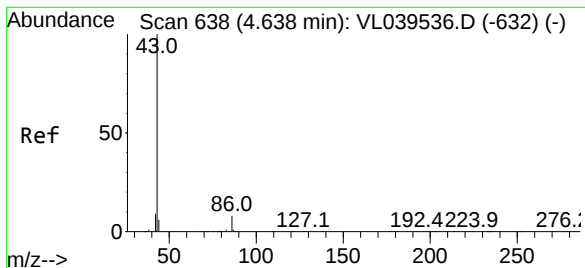
84 100

49 170.1 123.1 184.7

51 53.0 34.4 51.6#

86 63.7 51.1 76.7





#23

Vinyl Acetate

Concen: 0.031 ppbv

RT: 4.642 min Scan# 61

Delta R.T. 0.004 min

Lab File: VL039584.D

Acq: 25 Aug 2022 19:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

Tgt Ion: 43 Resp: 1562

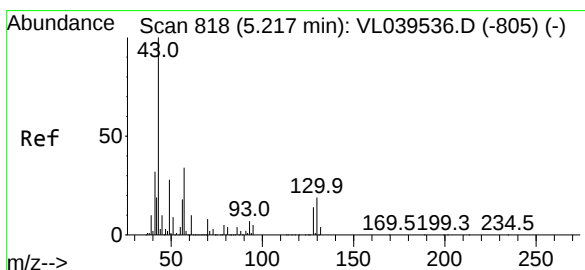
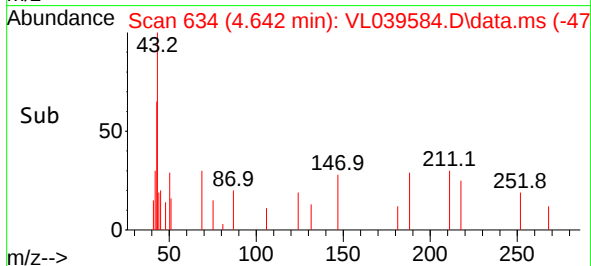
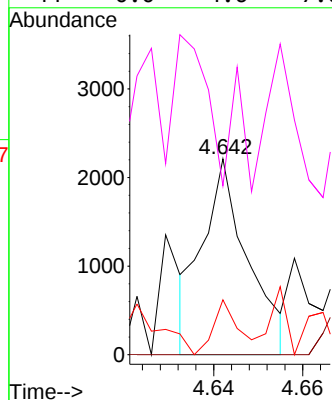
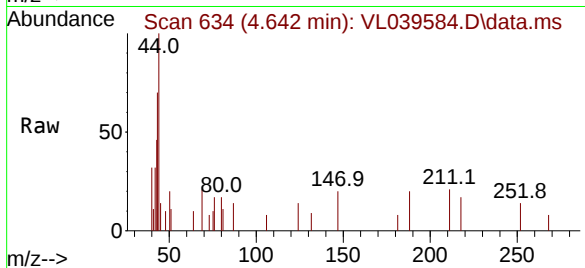
Ion Ratio Lower Upper

43 100

86 0.0 5.0 7.6#

42 72.0 7.7 11.5#

44 0.0 4.6 7.0#



#25

Ethyl Acetate

Concen: 0.048 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.004 min

Lab File: VL039584.D

Acq: 25 Aug 2022 19:02

Tgt Ion: 43 Resp: 10845

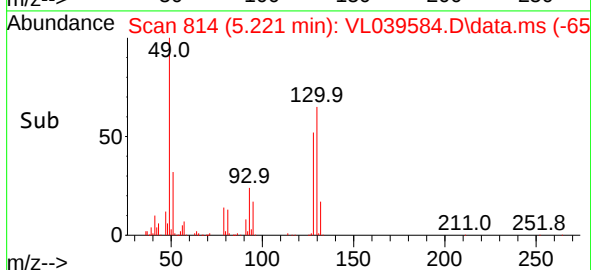
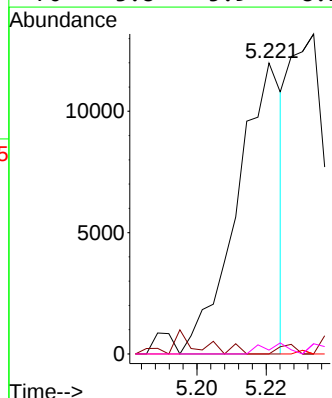
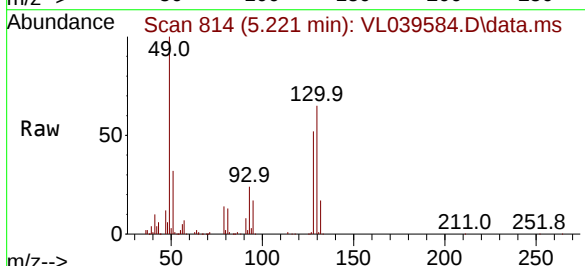
Ion Ratio Lower Upper

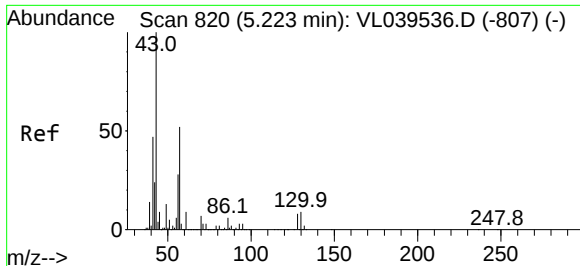
43 100

45 0.0 8.2 12.4#

61 0.0 8.3 12.5#

70 3.8 5.9 8.9#

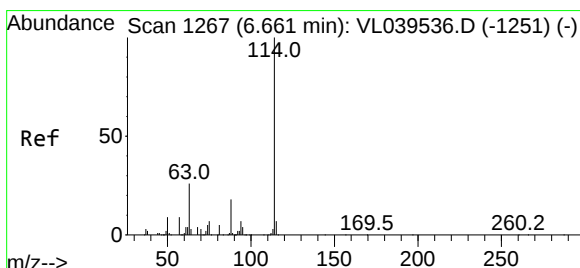
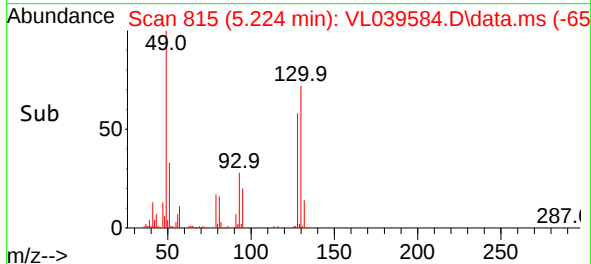
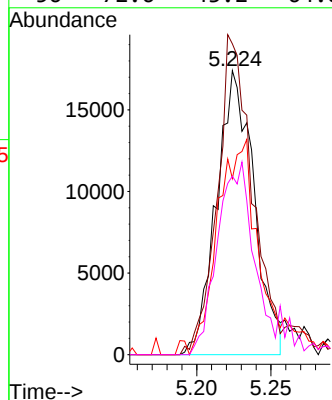
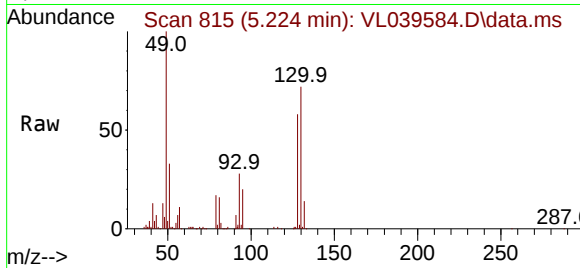




#26
Hexane
Concen: 0.331 ppbv
RT: 5.224 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL039584.D
Acq: 25 Aug 2022 19:02

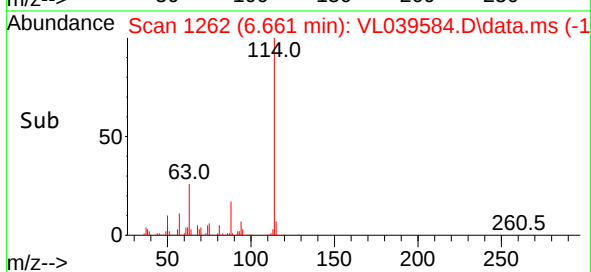
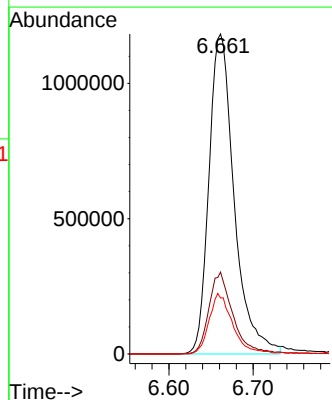
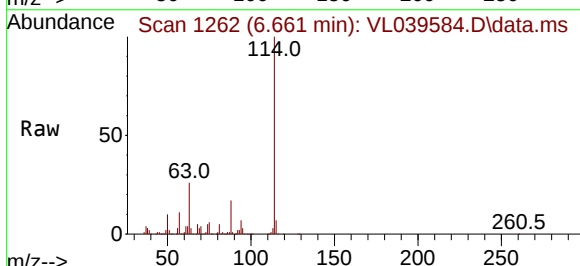
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022

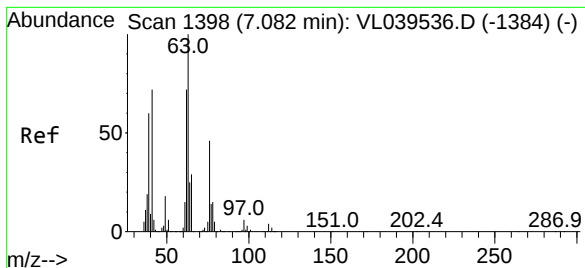
Tgt Ion: 57 Resp: 30393
Ion Ratio Lower Upper
57 100
41 113.5 76.9 115.3
43 88.8 191.0 286.6#
56 72.6 43.2 64.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.001 min
Lab File: VL039584.D
Acq: 25 Aug 2022 19:02

Tgt Ion: 114 Resp: 2462124
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.1 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.329 ppbv

RT: 6.661 min Scan# 1

Delta R.T. -0.420 min

Lab File: VL039584.D

Acq: 25 Aug 2022 19:02

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022

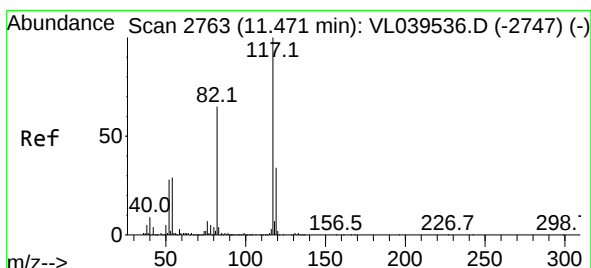
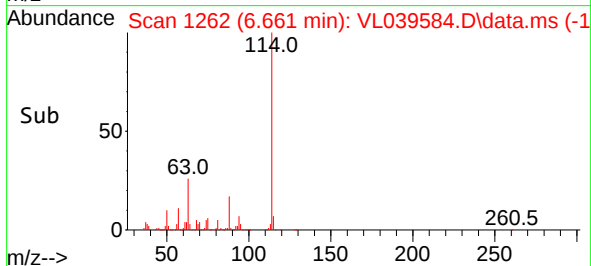
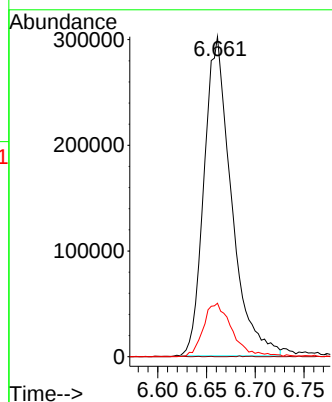
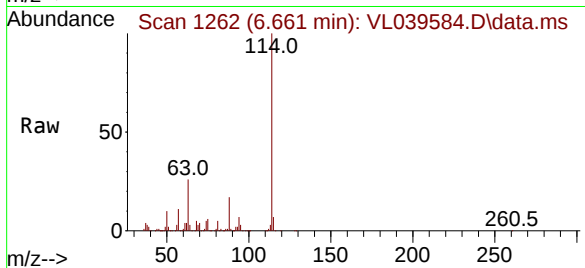
Tgt Ion: 63 Resp: 587715

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 16.6 51.4 77.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. -0.002 min

Lab File: VL039584.D

Acq: 25 Aug 2022 19:02

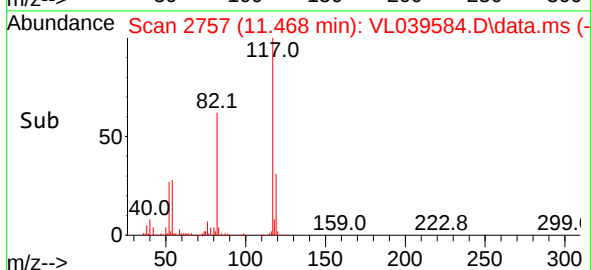
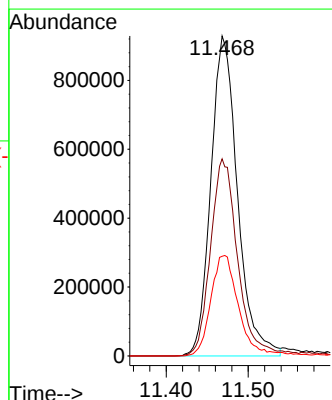
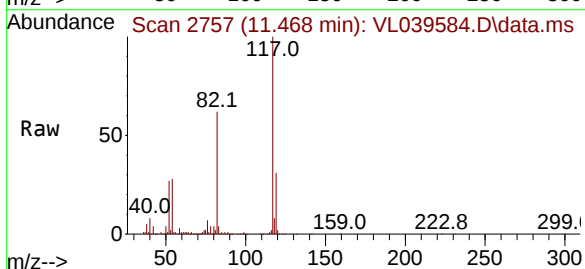
Tgt Ion: 117 Resp: 2100818

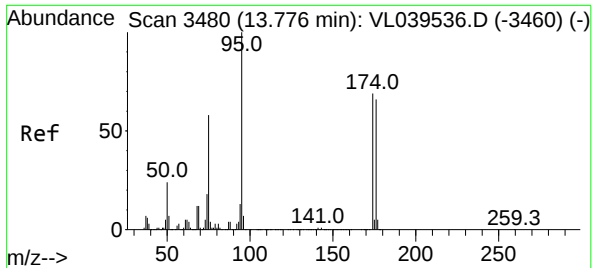
Ion Ratio Lower Upper

117 100

82 64.1 50.8 76.2

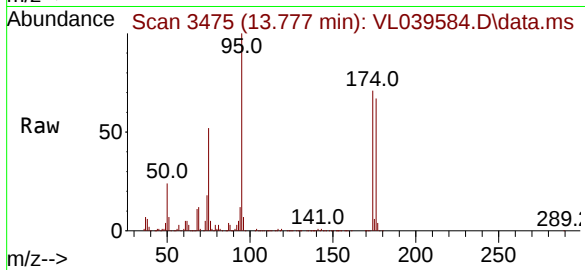
119 33.1 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.712 ppbv
 RT: 13.777 min Scan# 34
 Delta R.T. 0.001 min
 Lab File: VL039584.D
 Acq: 25 Aug 2022 19:02

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



Tgt Ion: 95 Resp: 1539227

Ion	Ratio	Lower	Upper
95	100		
174	72.0	55.9	83.9
175	5.9	4.2	6.4

