

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039692.D
 Acq On : 4 Oct 2022 22:17
 Operator : SY/AP
 Sample : N4955-13 LOD 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2022

Quant Time: Oct 05 04:43:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

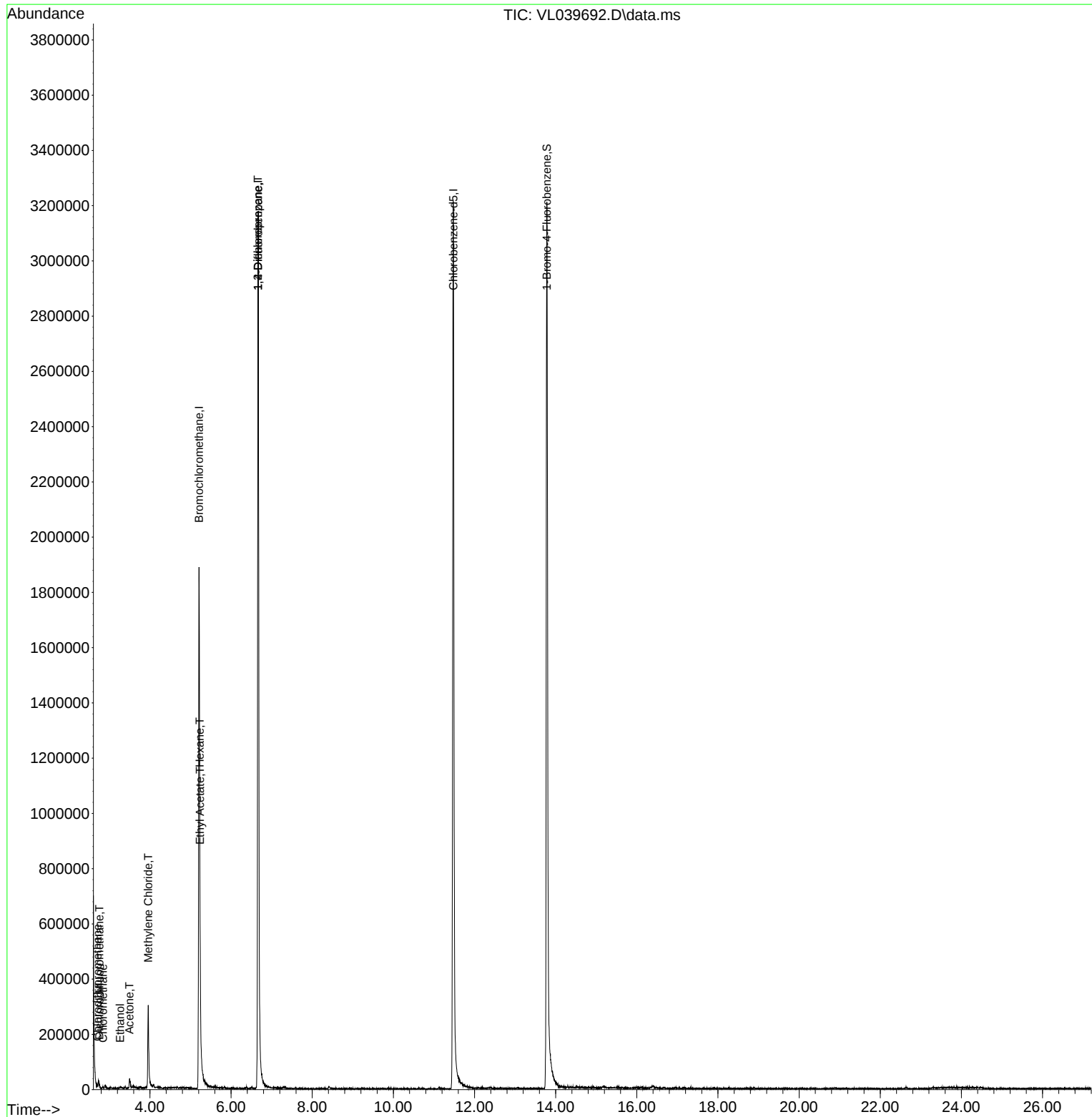
Internal Standards						
1) Bromochloromethane	5.211	49	964182	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2421632	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2151594	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1566238	9.751	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.754	85	6149	0.055	ppbv	89
3) Chlorodifluoromethane	2.706	51	6739	0.059	ppbv #	85
4) Chloromethane	2.838	50	2860	0.041	ppbv #	88
13) Ethanol	3.266	45	3537	0.888	ppbv	97
15) Acetone	3.497	43	34530	0.322	ppbv	90
20) Methylene Chloride	3.960	84	108344	2.184	ppbv	96
25) Ethyl Acetate	5.233	43	66808	0.286	ppbv #	78
26) Hexane	5.227	57	87737	0.884	ppbv #	39
39) 1,2-Dichloropropane	6.664	63	590869	8.265	ppbv #	24

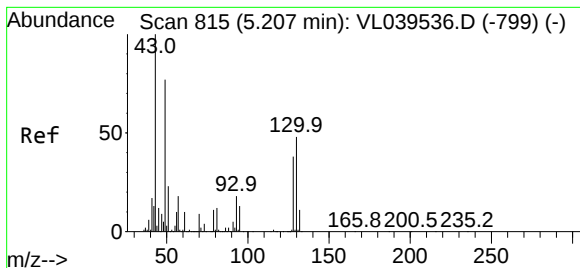
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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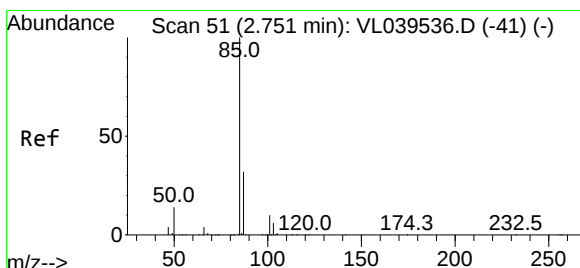
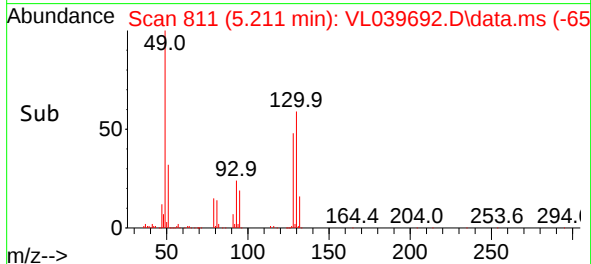
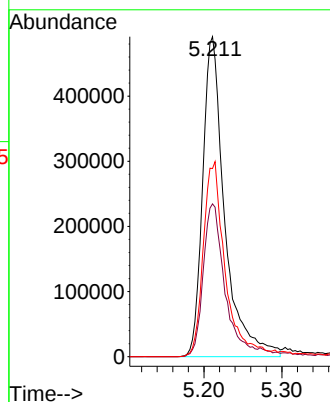
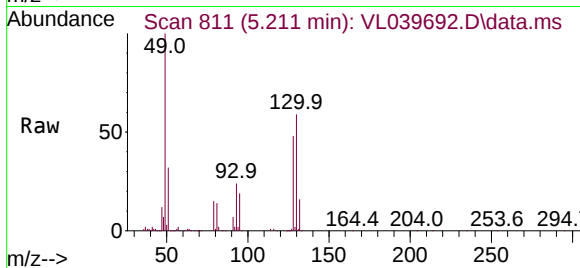




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL039692.D
 Acq: 4 Oct 2022 22:17

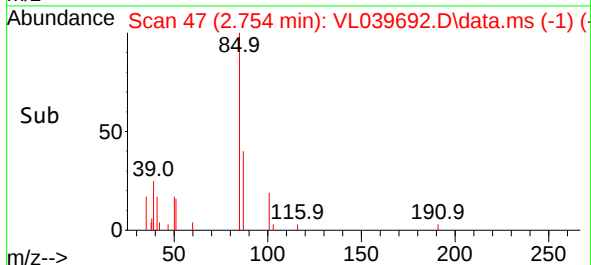
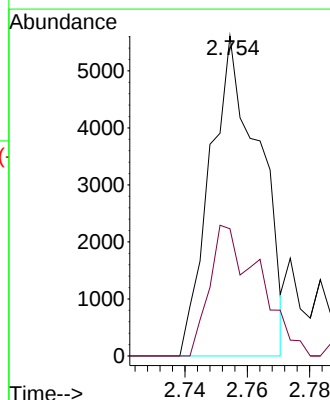
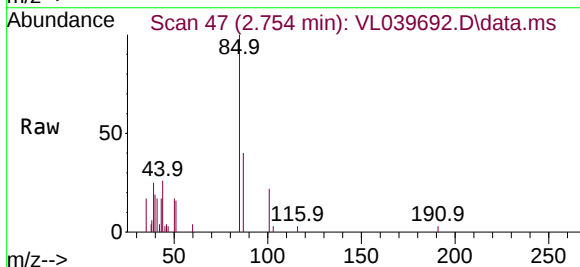
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2022

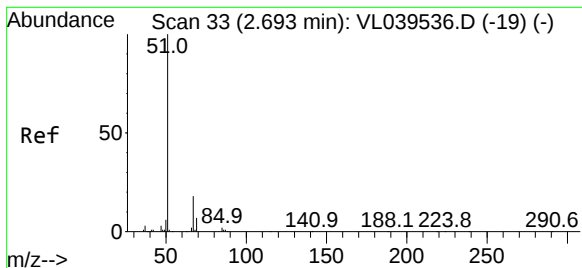
Tgt Ion: 49 Resp: 964182
 Ion Ratio Lower Upper
 49 100
 128 49.2 26.7 80.0
 130 63.4 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.055 ppbv
 RT: 2.754 min Scan# 47
 Delta R.T. 0.004 min
 Lab File: VL039692.D
 Acq: 4 Oct 2022 22:17

Tgt Ion: 85 Resp: 6149
 Ion Ratio Lower Upper
 85 100
 87 39.8 26.7 40.1

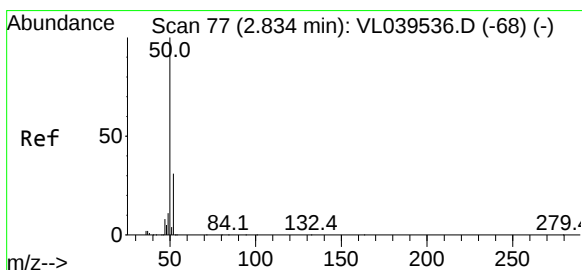
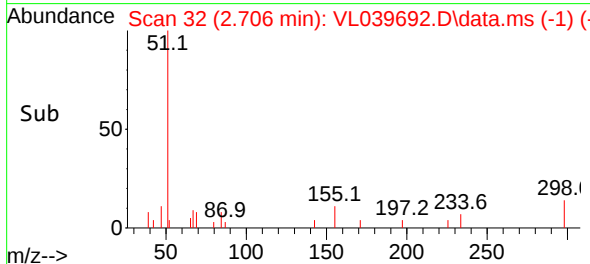
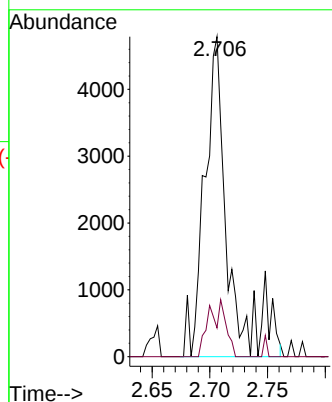
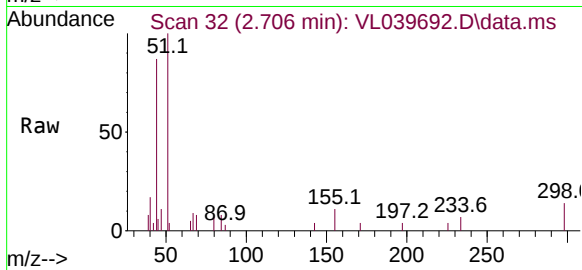




#3
Chlorodifluoromethane
Concen: 0.059 ppbv
RT: 2.706 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL039692.D
Acq: 4 Oct 2022 22:17

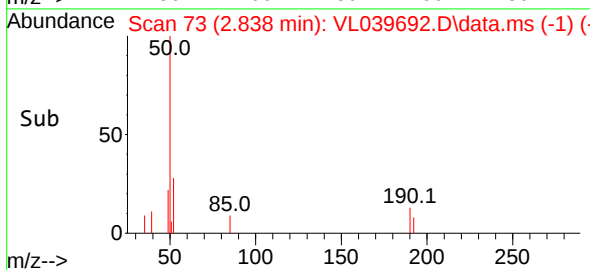
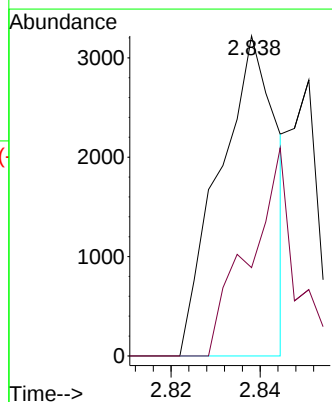
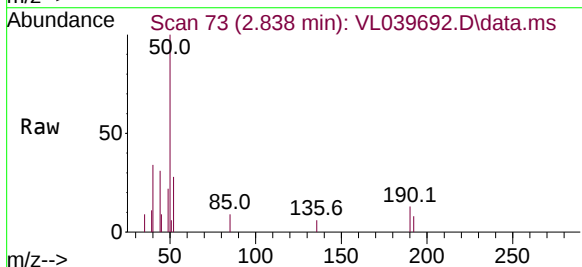
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

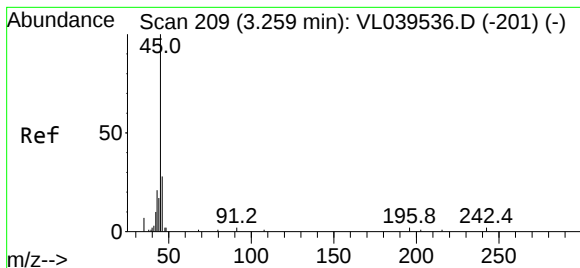
Tgt Ion: 51 Resp: 6739
Ion Ratio Lower Upper
51 100
67 12.9 15.7 23.5#



#4
Chloromethane
Concen: 0.041 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.004 min
Lab File: VL039692.D
Acq: 4 Oct 2022 22:17

Tgt Ion: 50 Resp: 2860
Ion Ratio Lower Upper
50 100
52 26.0 26.5 39.7#





#13

Ethanol

Concen: 0.888 ppbv

RT: 3.266 min Scan# 209

Delta R.T. 0.007 min

Lab File: VL039692.D

Acq: 4 Oct 2022 22:17

Instrument :

MSVOA_L

ClientSampleId :

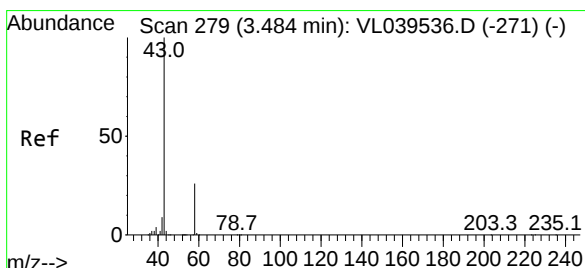
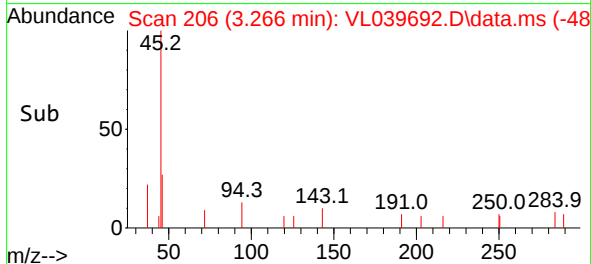
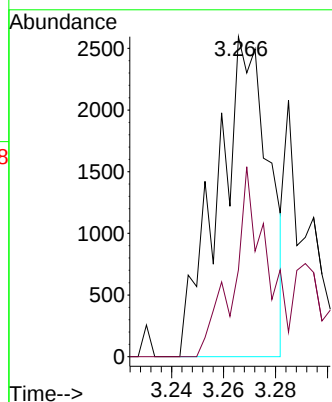
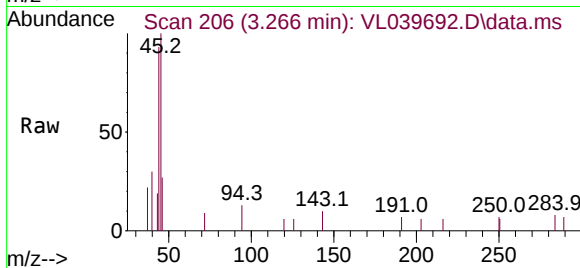
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 45 Resp: 3537

Ion Ratio Lower Upper

45 100

46 54.5 22.8 91.2



#15

Acetone

Concen: 0.322 ppbv

RT: 3.497 min Scan# 278

Delta R.T. 0.013 min

Lab File: VL039692.D

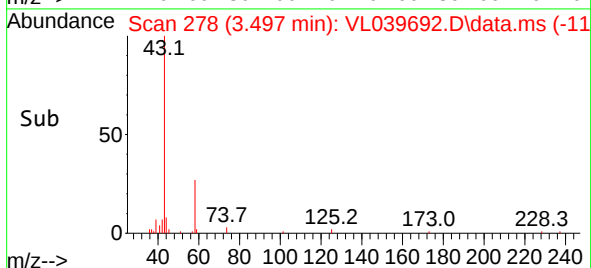
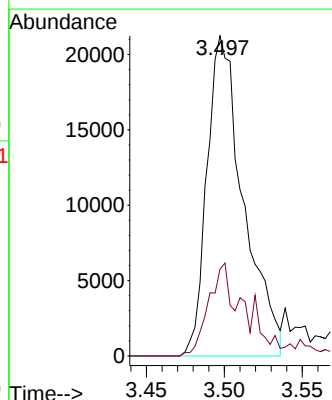
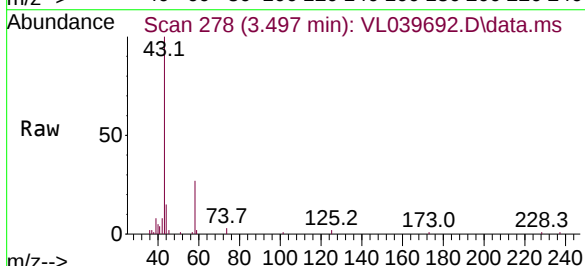
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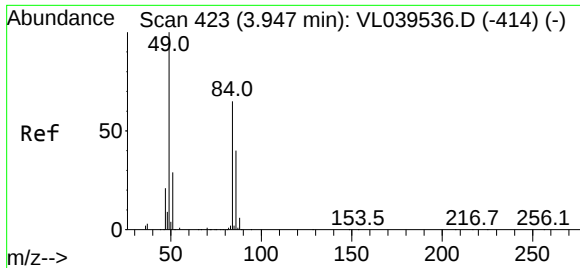
Tgt Ion: 43 Resp: 34530

Ion Ratio Lower Upper

43 100

58 31.5 21.0 31.6



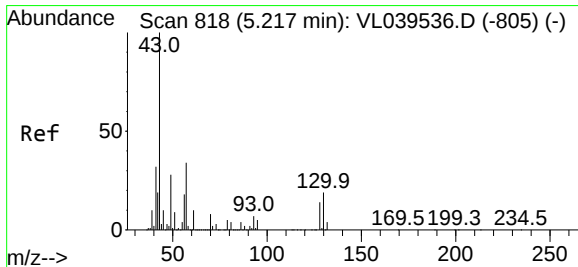
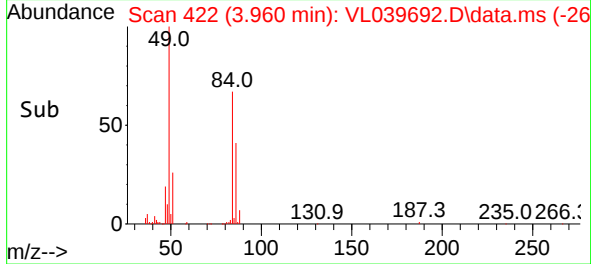
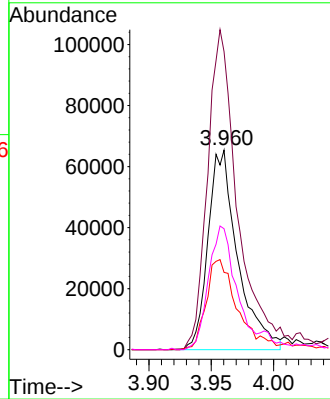
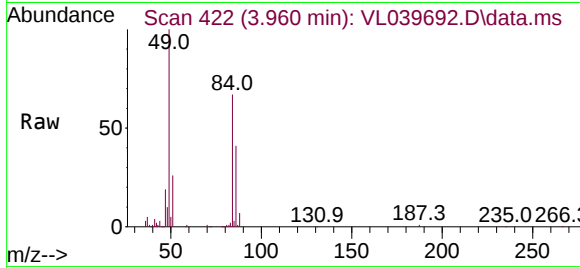


#20
Methylene Chloride
Concen: 2.184 ppbv
RT: 3.960 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL039692.D
Acq: 4 Oct 2022 22:17

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

Tgt Ion: 84 Resp: 108344

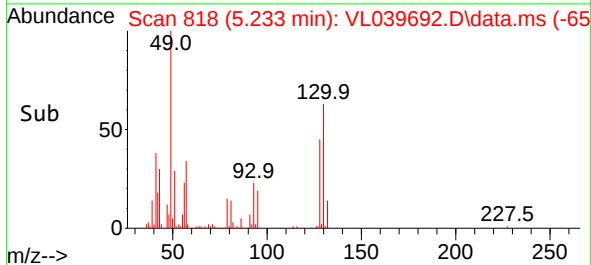
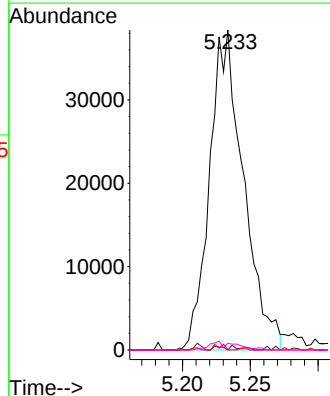
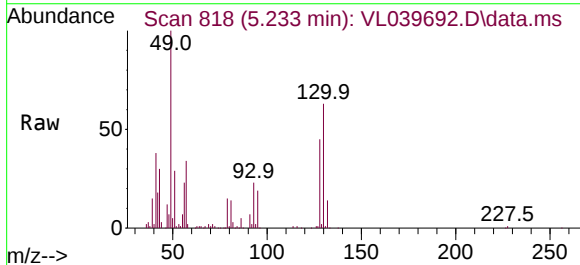
Ion	Ratio	Lower	Upper
84	100		
49	149.1	123.1	184.7
51	38.8	34.4	51.6
86	60.7	51.1	76.7

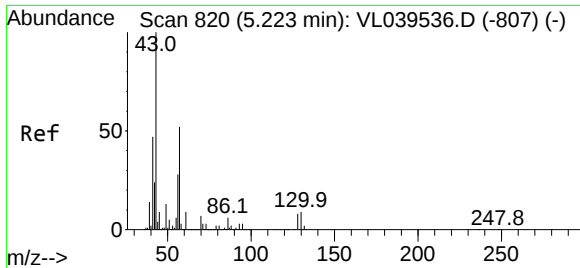


#25
Ethyl Acetate
Concen: 0.286 ppbv
RT: 5.233 min Scan# 818
Delta R.T. 0.017 min
Lab File: VL039692.D
Acq: 4 Oct 2022 22:17

Tgt Ion: 43 Resp: 66808

Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.2	12.4#
61	0.7	8.3	12.5#
70	2.2	5.9	8.9#

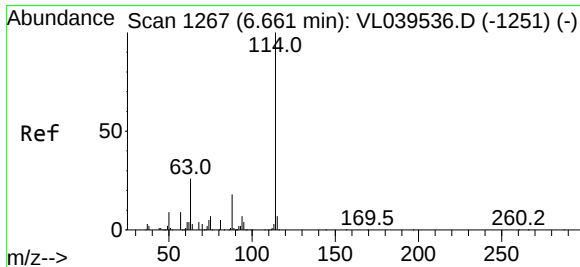
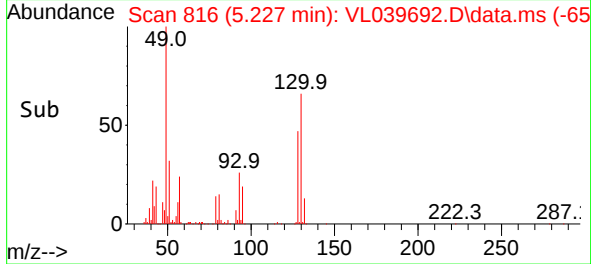
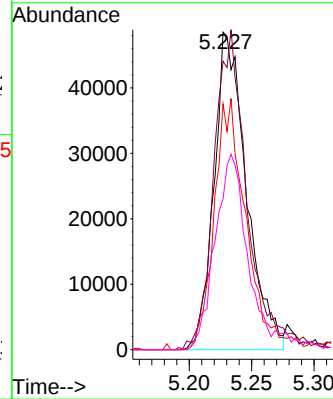
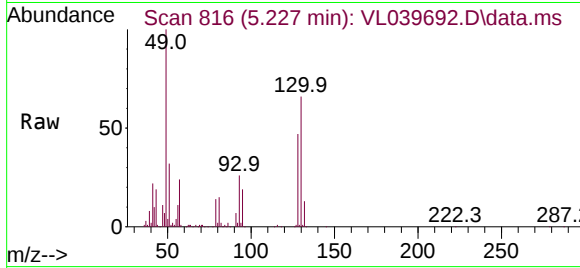




#26
Hexane
Concen: 0.884 ppbv
RT: 5.227 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL039692.D
Acq: 4 Oct 2022 22:17

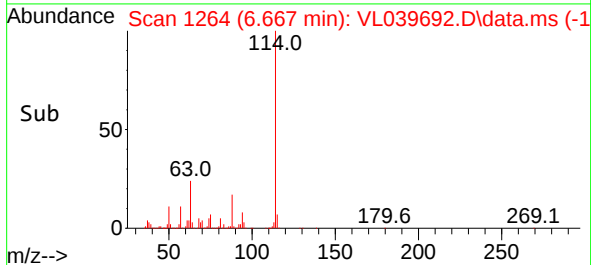
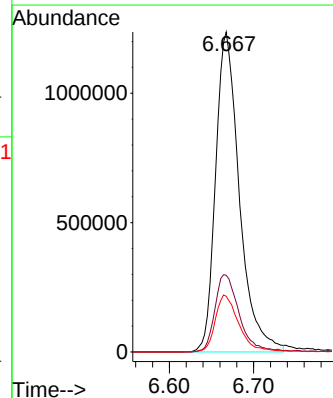
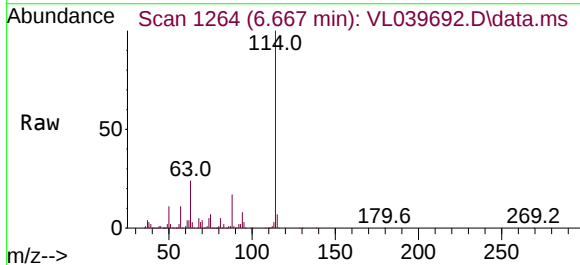
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2022

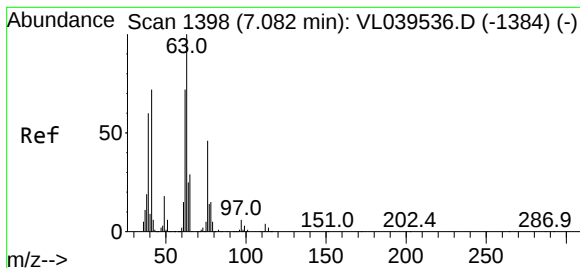
Tgt Ion: 57 Resp: 87737
Ion Ratio Lower Upper
57 100
41 103.8 76.9 115.3
43 81.0 191.0 286.6#
56 64.4 43.2 64.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.667 min Scan# 1264
Delta R.T. 0.007 min
Lab File: VL039692.D
Acq: 4 Oct 2022 22:17

Tgt Ion: 114 Resp: 2421632
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.4
88 17.8 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.265 ppbv

RT: 6.664 min Scan# 1

Delta R.T. -0.417 min

Lab File: VL039692.D

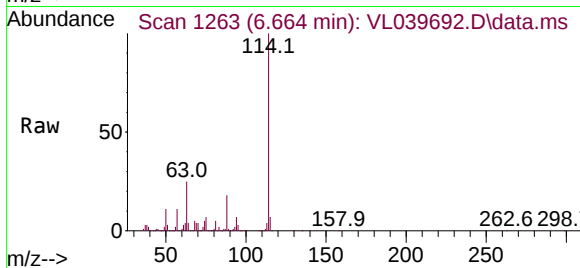
Acq: 4 Oct 2022 22:17

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2022



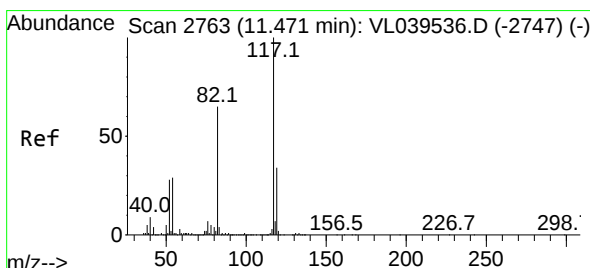
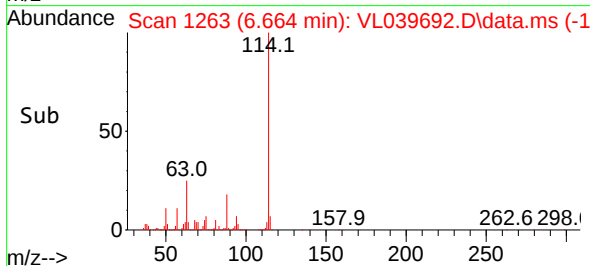
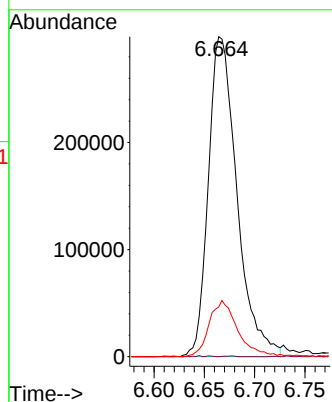
Tgt Ion: 63 Resp: 590869

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 15.5 51.4 77.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 2760

Delta R.T. 0.007 min

Lab File: VL039692.D

Acq: 4 Oct 2022 22:17

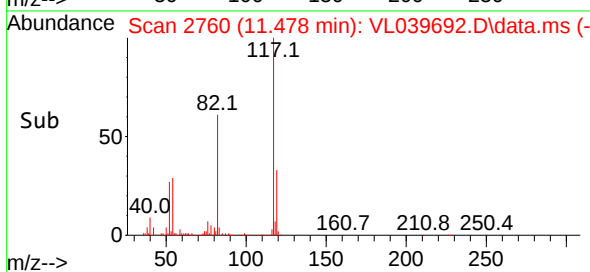
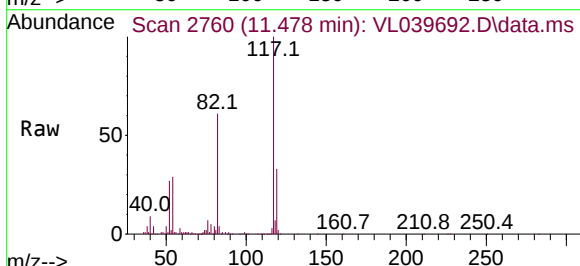
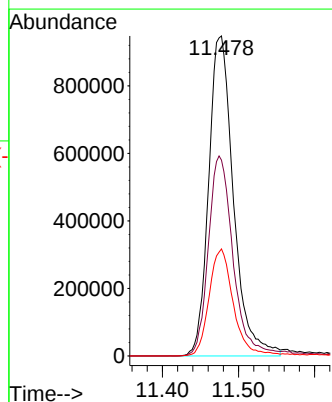
Tgt Ion: 117 Resp: 2151594

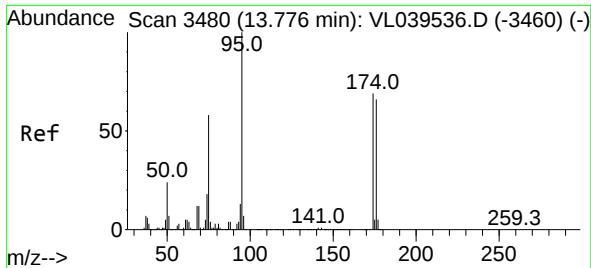
Ion Ratio Lower Upper

117 100

82 64.0 50.8 76.2

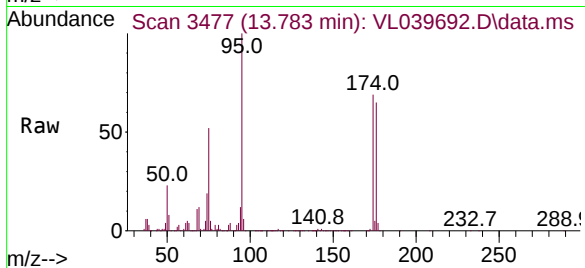
119 33.1 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.751 ppbv
 RT: 13.783 min Scan# 34
 Delta R.T. 0.007 min
 Lab File: VL039692.D
 Acq: 4 Oct 2022 22:17

Instrument :
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 LOD-MDL-AIR-01-QT4-2022



Tgt Ion: 95 Resp: 1566238

Ion	Ratio	Lower	Upper
95	100		
174	74.3	55.9	83.9
175	5.4	4.2	6.4

