

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039715.D
 Acq On : 11 Oct 2022 10:39
 Operator : SY/AP
 Sample : N5040-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

Quant Time: Oct 12 04:39:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

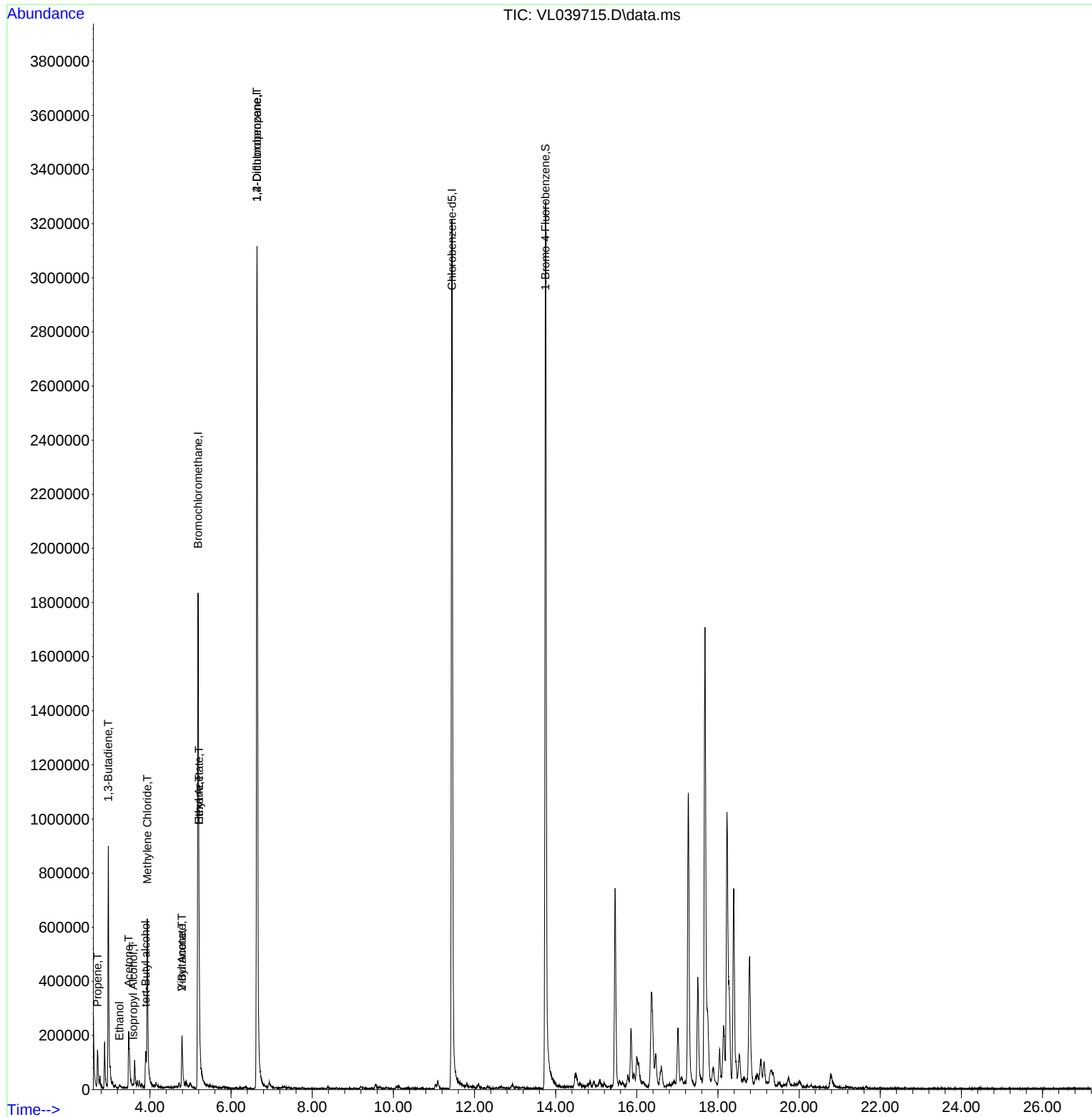
Internal Standards						
1) Bromochloromethane	5.185	49	937950	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.639	114	2456099	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.442	117	2162164	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1618888	10.030	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.300%	
Target Compounds						
					Qvalue	
9) Propene	2.706	41	66001	1.298	ppbv	96
13) Ethanol	3.246	45	6377	1.646	ppbv #	23
15) Acetone	3.478	43	218979	2.098	ppbv #	45
16) 1,3-Butadiene	2.973	39	262459	4.957	ppbv #	17
17) tert-Butyl alcohol	3.896	59	103984	1.110	ppbv #	93
19) Isopropyl Alcohol	3.590	45	3753	0.071	ppbv #	88
20) Methylene Chloride	3.938	84	203807	4.224	ppbv	98
23) Vinyl Acetate	4.790	43	256506	5.437	ppbv #	92
25) Ethyl Acetate	5.208	43	81816	0.359	ppbv #	77
26) Hexane	5.208	57	111226	1.152	ppbv #	38
34) 2-Butanone	4.790	43	256506	2.126	ppbv	95
39) 1,2-Dichloropropane	6.639	63	590914	8.150	ppbv #	25

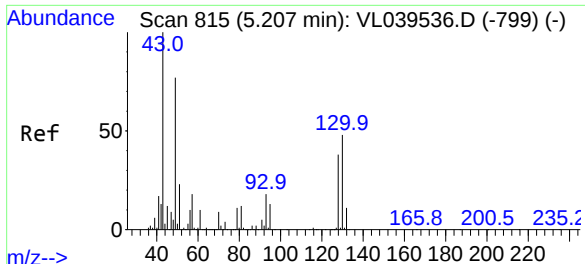
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MDL-AIR-03-QT4-2022DL

Quant Time: Oct 12 04:39:32 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

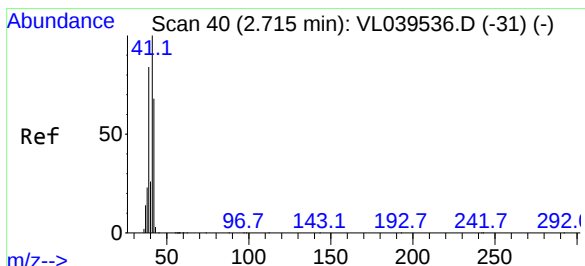
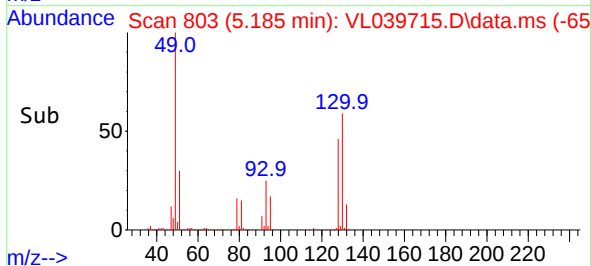
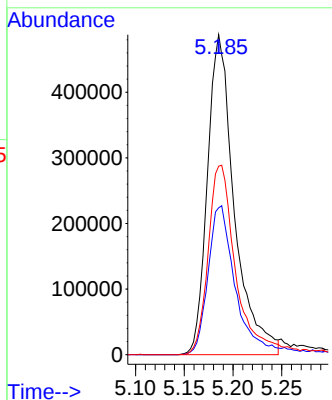
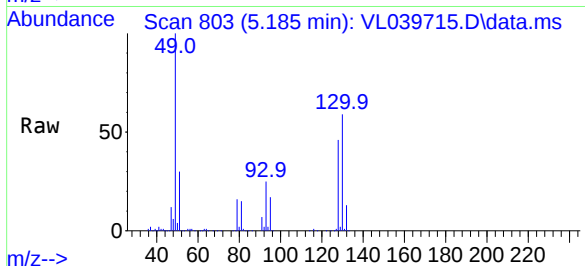




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.022 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

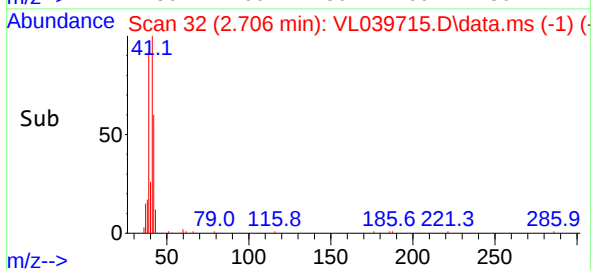
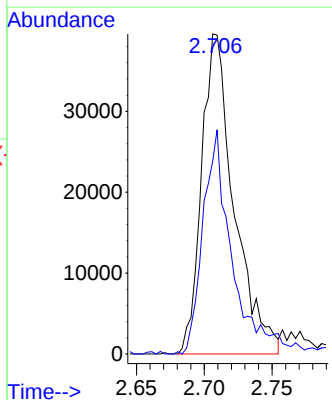
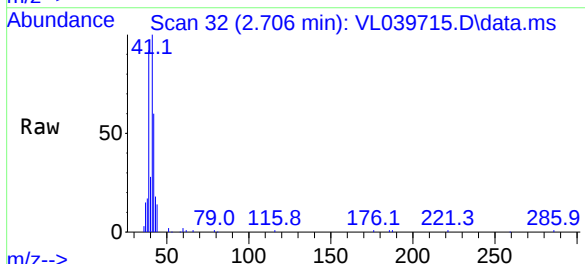
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

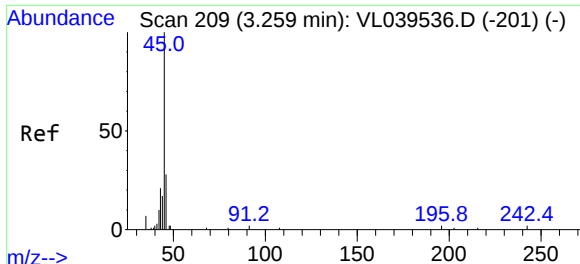
Tgt Ion: 49 Resp: 937950
Ion Ratio Lower Upper
49 100
128 49.9 26.7 80.0
130 63.3 34.3 102.8



#9
Propene
Concen: 1.298 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.009 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

Tgt Ion: 41 Resp: 66001
Ion Ratio Lower Upper
41 100
42 65.4 55.2 82.8

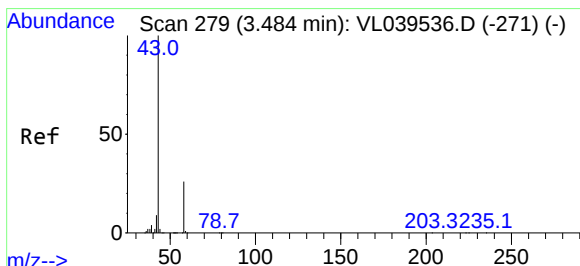
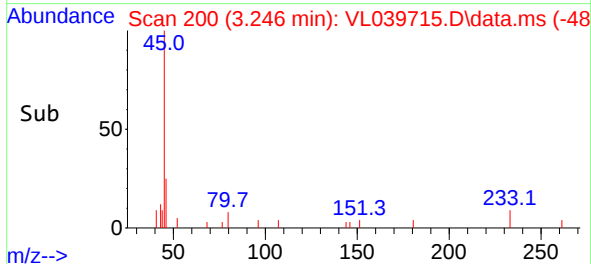
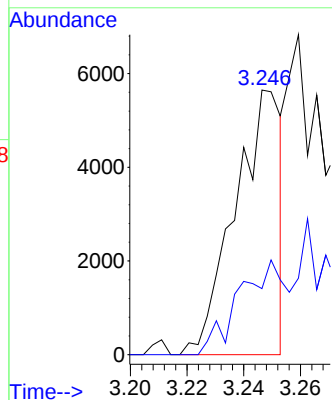
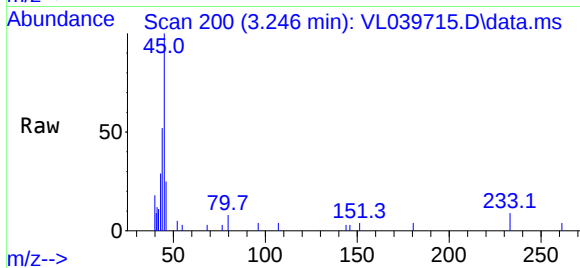




#13
Ethanol
Concen: 1.646 ppbv
RT: 3.246 min Scan# 20
Delta R.T. -0.012 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

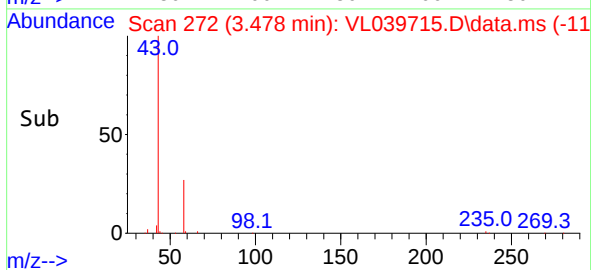
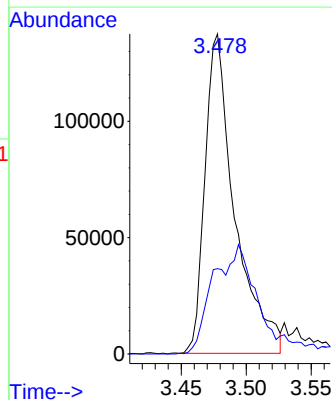
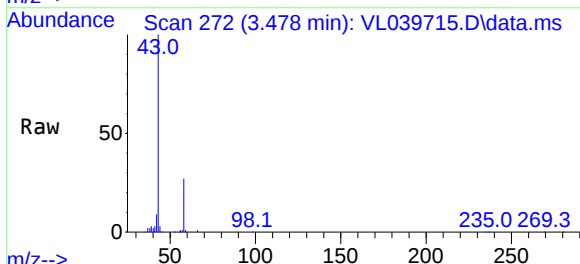
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

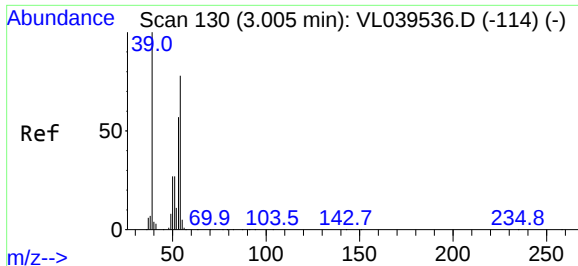
Tgt Ion: 45 Resp: 6377
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2#



#15
Acetone
Concen: 2.098 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.006 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

Tgt Ion: 43 Resp: 218979
Ion Ratio Lower Upper
43 100
58 54.4 21.0 31.6#





#16

1,3-Butadiene

Concen: 4.957 ppbv

RT: 2.973 min Scan# 115

Delta R.T. -0.032 min

Lab File: VL039715.D

Acq: 11 Oct 2022 10:39

Instrument :

MSVOA_L

ClientSampleId :

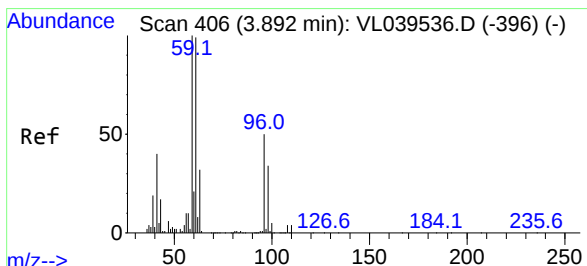
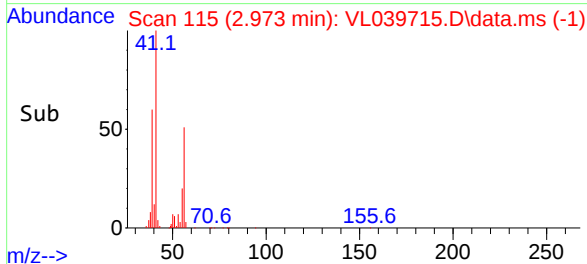
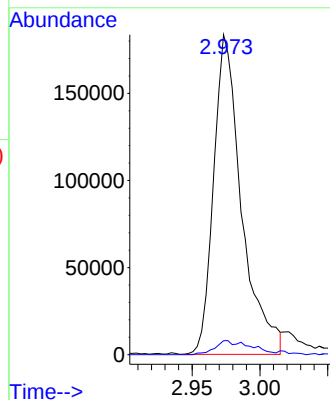
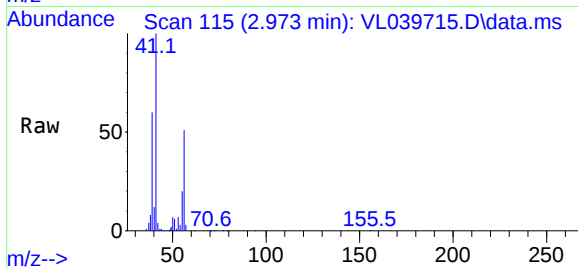
MDL-AIR-03-QT4-2022DL

Tgt Ion: 39 Resp: 262459

Ion Ratio Lower Upper

39 100

54 6.3 63.7 95.5#



#17

tert-Butyl alcohol

Concen: 1.110 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.004 min

Lab File: VL039715.D

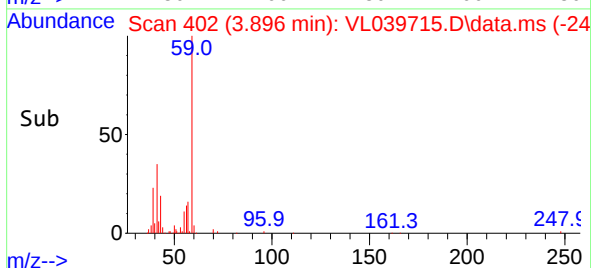
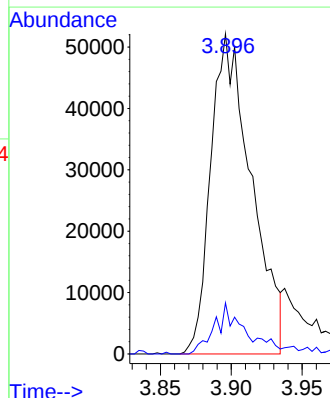
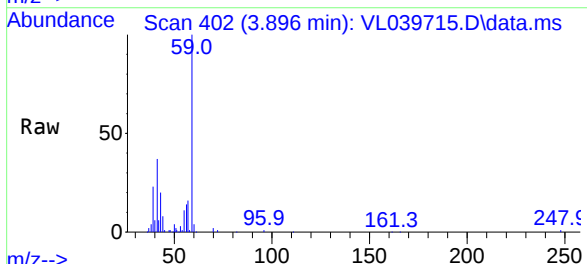
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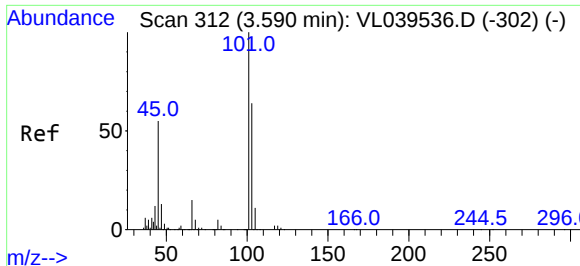
Tgt Ion: 59 Resp: 103984

Ion Ratio Lower Upper

59 100

57 13.6 8.7 13.1#

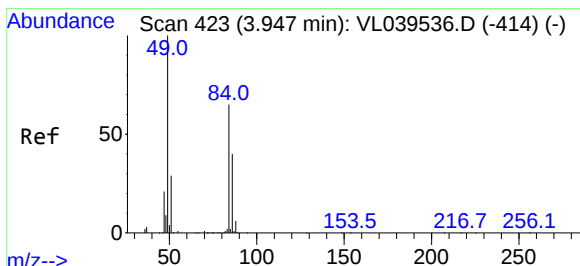
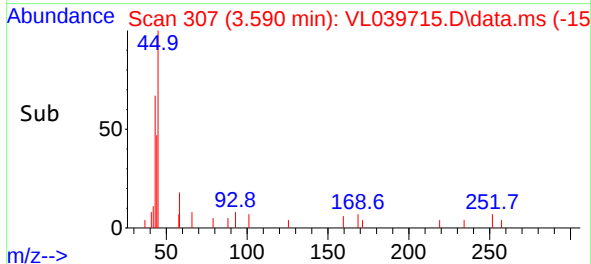
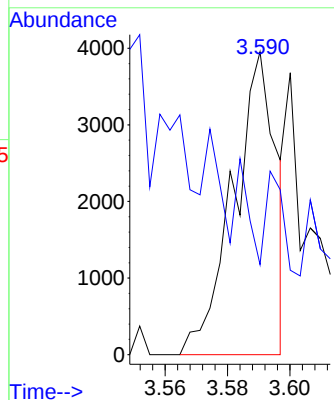
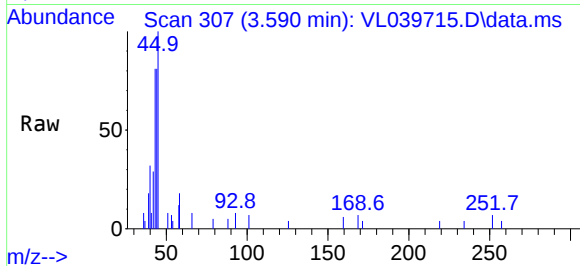




#19
Isopropyl Alcohol
Concen: 0.071 ppbv
RT: 3.590 min Scan# 307
Delta R.T. 0.001 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

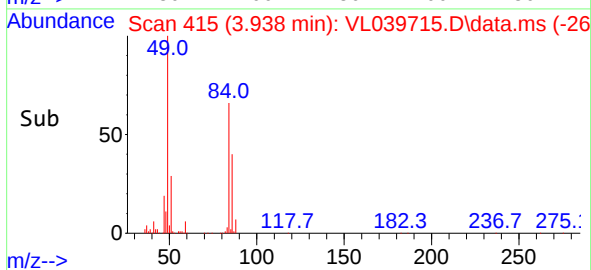
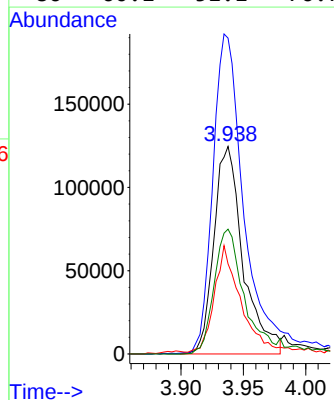
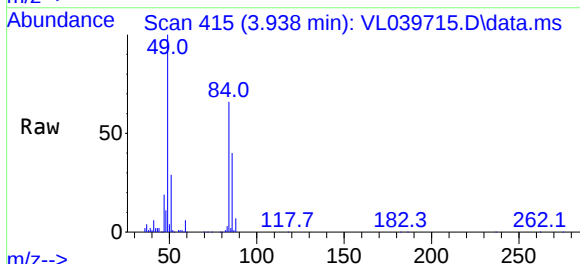
Instrument :
MSVOA_L
ClientSampleId :
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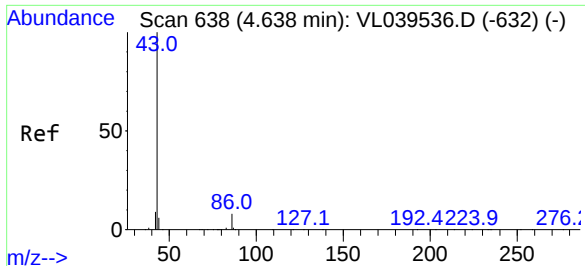
Tgt Ion: 45 Resp: 3753
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8#



#20
Methylene Chloride
Concen: 4.224 ppbv
RT: 3.938 min Scan# 415
Delta R.T. -0.009 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

Tgt Ion: 84 Resp: 203807
Ion Ratio Lower Upper
84 100
49 151.8 123.1 184.7
51 42.2 34.4 51.6
86 60.1 51.1 76.7

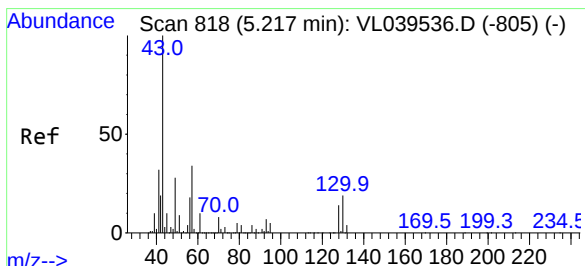
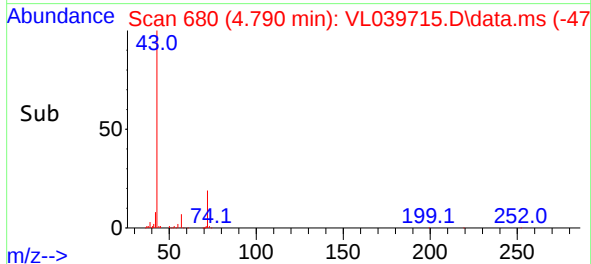
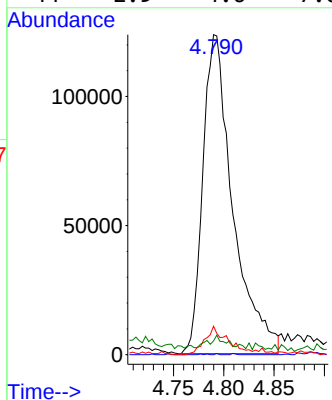
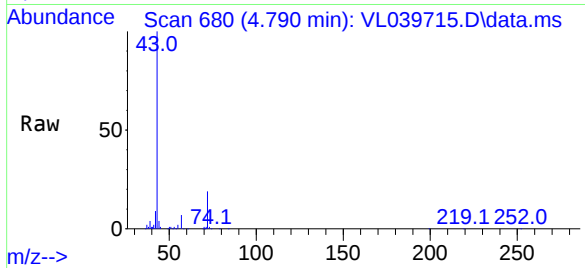




#23
 Vinyl Acetate
 Concen: 5.437 ppbv
 RT: 4.790 min Scan# 61
 Delta R.T. 0.152 min
 Lab File: VL039715.D
 Acq: 11 Oct 2022 10:39

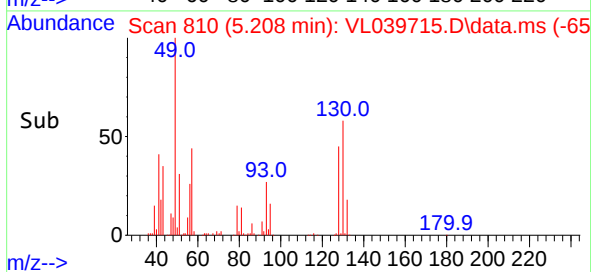
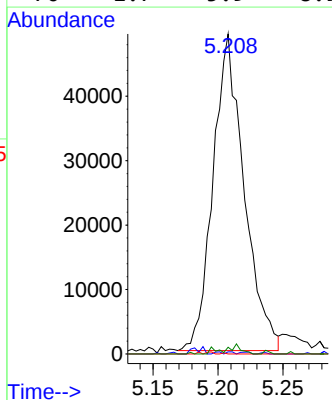
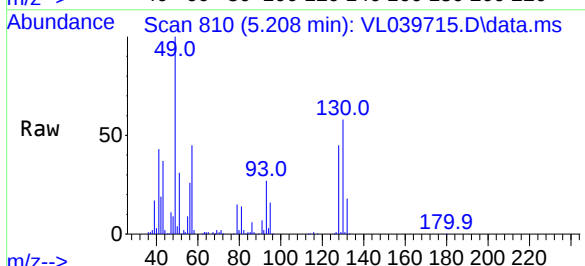
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

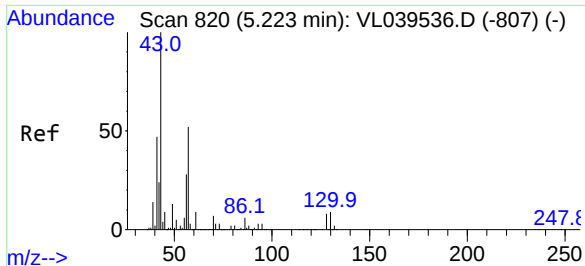
Tgt Ion: 43 Resp: 256506
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.0 7.6#
 42 8.9 7.7 11.5
 44 2.9 4.6 7.0#



#25
 Ethyl Acetate
 Concen: 0.359 ppbv
 RT: 5.208 min Scan# 810
 Delta R.T. -0.009 min
 Lab File: VL039715.D
 Acq: 11 Oct 2022 10:39

Tgt Ion: 43 Resp: 81816
 Ion Ratio Lower Upper
 43 100
 45 1.4 8.2 12.4#
 61 0.0 8.3 12.5#
 70 1.7 5.9 8.9#

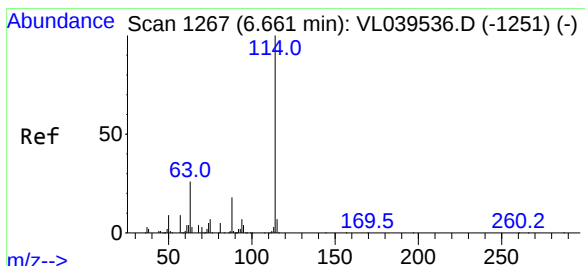
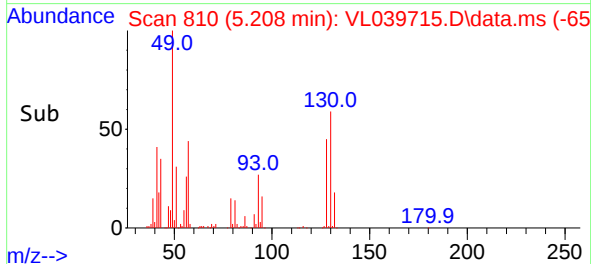
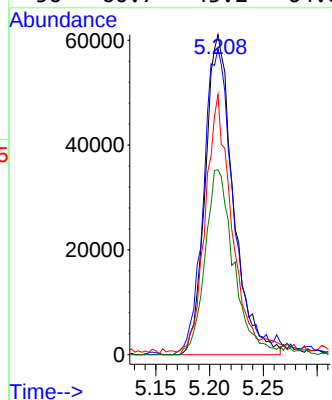
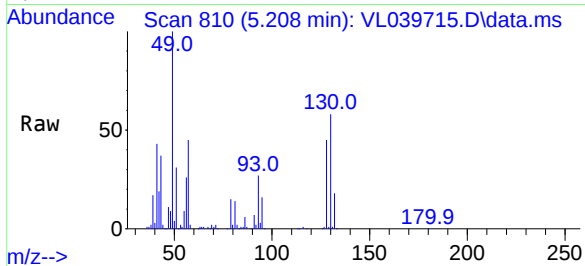




#26
Hexane
Concen: 1.152 ppbv
RT: 5.208 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

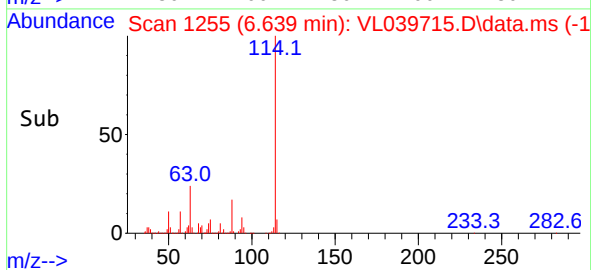
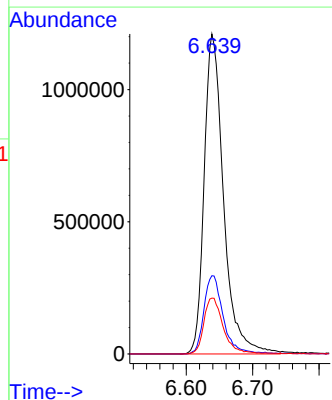
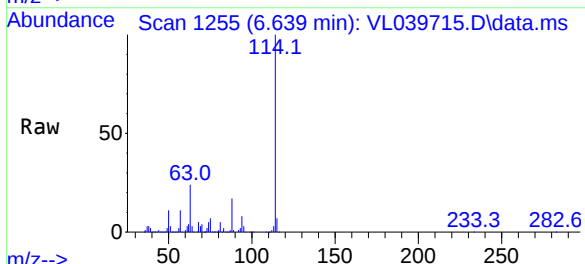
Instrument :
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MDL-AIR-03-QT4-2022DL

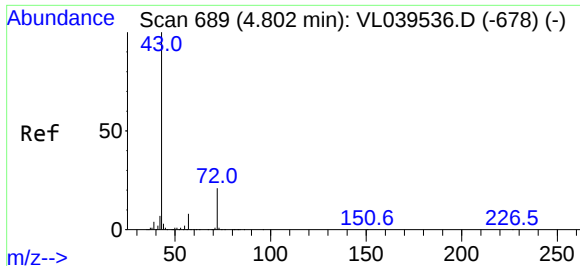
Tgt Ion: 57 Resp: 111226
Ion Ratio Lower Upper
57 100
41 106.4 76.9 115.3
43 77.6 191.0 286.6#
56 60.7 43.2 64.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.022 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

Tgt Ion:114 Resp: 2456099
Ion Ratio Lower Upper
114 100
63 24.7 20.2 30.4
88 17.7 14.5 21.7





#34

2-Butanone

Concen: 2.126 ppbv

RT: 4.790 min Scan# 61

Delta R.T. -0.012 min

Lab File: VL039715.D

Acq: 11 Oct 2022 10:39

Instrument :

MSVOA_L

ClientSampleId :

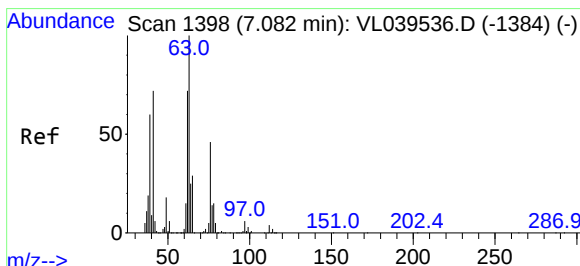
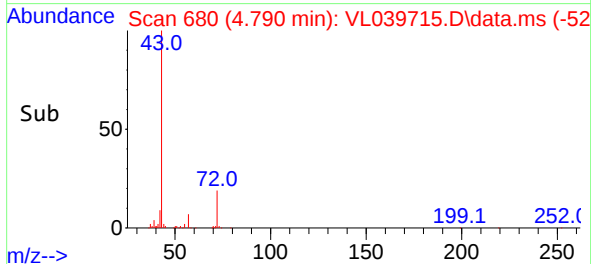
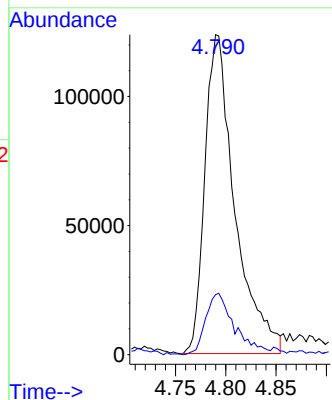
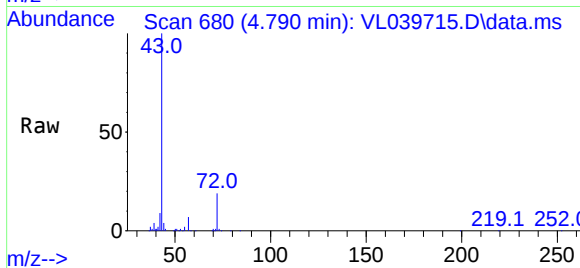
MDL-AIR-03-QT4-2022DL

Tgt Ion: 43 Resp: 256506

Ion Ratio Lower Upper

43 100

72 19.8 17.9 26.9



#39

1,2-Dichloropropane

Concen: 8.150 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.443 min

Lab File: VL039715.D

Acq: 11 Oct 2022 10:39

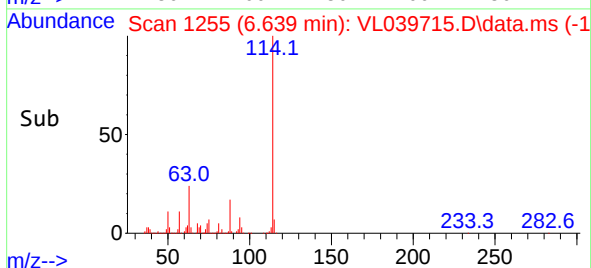
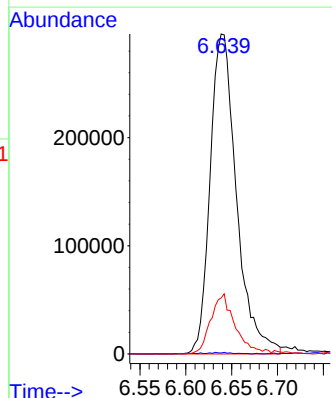
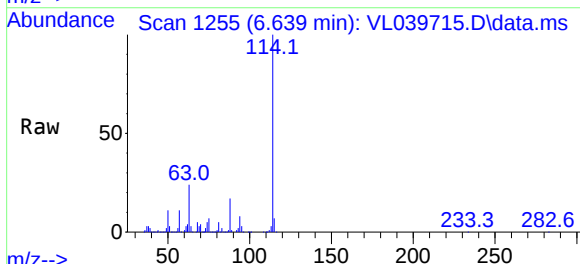
Tgt Ion: 63 Resp: 590914

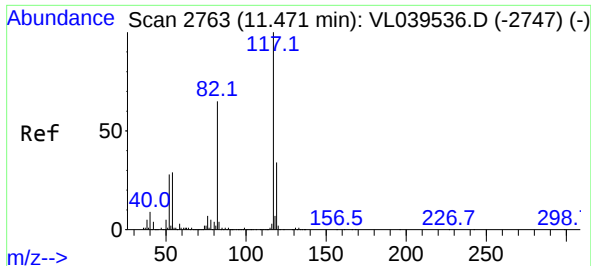
Ion Ratio Lower Upper

63 100

41 0.3 59.6 89.4#

62 17.4 51.4 77.0#

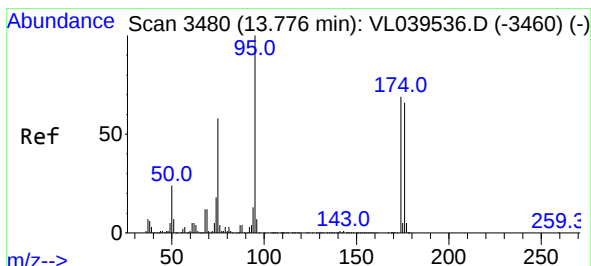
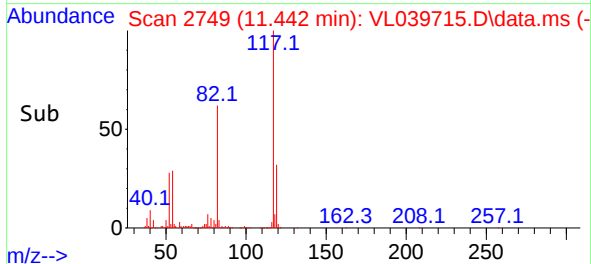
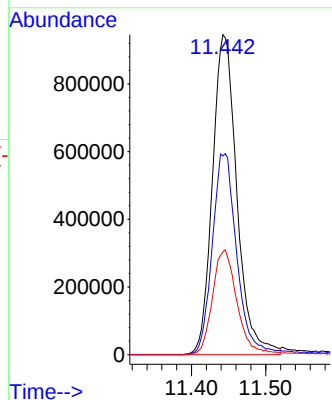
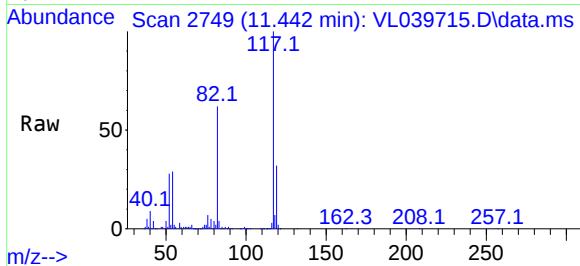




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.028 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2022DL

Tgt Ion:117 Resp: 2162164
Ion Ratio Lower Upper
117 100
82 64.3 50.8 76.2
119 33.4 24.1 36.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.030 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. -0.028 min
Lab File: VL039715.D
Acq: 11 Oct 2022 10:39

Tgt Ion: 95 Resp: 1618888
Ion Ratio Lower Upper
95 100
174 72.3 55.9 83.9
175 5.3 4.2 6.4

