

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039686.D
 Acq On : 4 Oct 2022 18:28
 Operator : SY/AP
 Sample : N4885-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1DL

Quant Time: Oct 05 04:41:34 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)

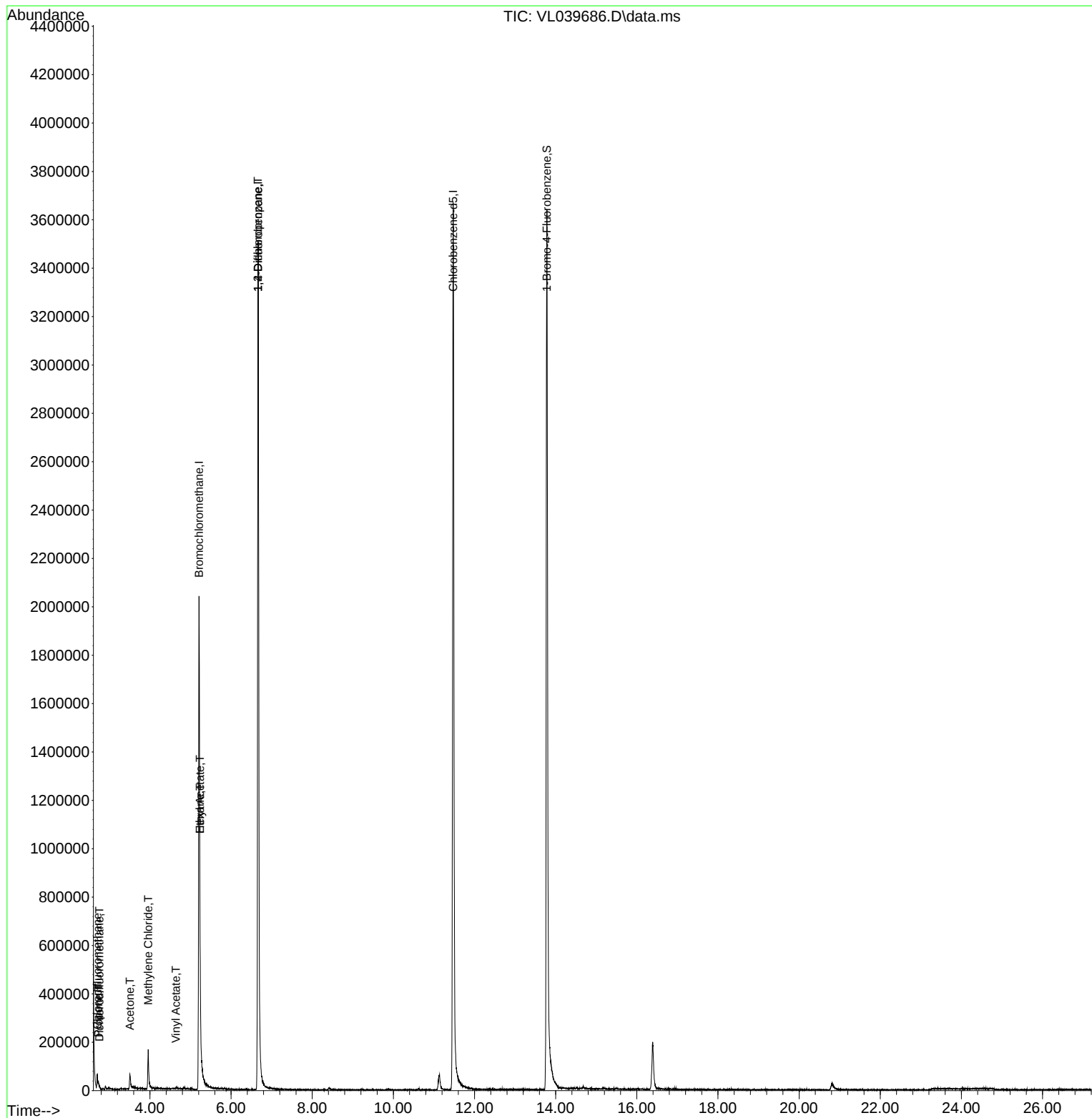
Internal Standards						
1) Bromochloromethane	5.208	49	1032787	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2759798	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2506980	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1793954	9.586	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	3858	0.032	ppbv	90
3) Chlorodifluoromethane	2.703	51	61574	0.502	ppbv	96
9) Propene	2.732	41	4676	0.084	ppbv	100
15) Acetone	3.507	43	63488	0.552	ppbv #	87
20) Methylene Chloride	3.957	84	49525	0.932	ppbv	90
23) Vinyl Acetate	4.642	43	1609	0.031	ppbv #	84
25) Ethyl Acetate	5.230	43	44647	0.178	ppbv #	76
26) Hexane	5.230	57	57772	0.543	ppbv #	37
39) 1,2-Dichloropropane	6.664	63	667746	8.196	ppbv #	25

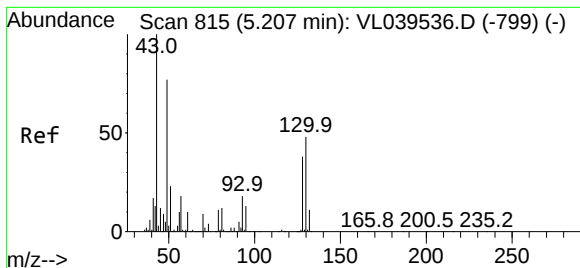
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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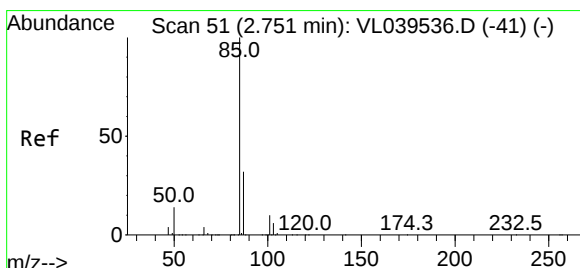
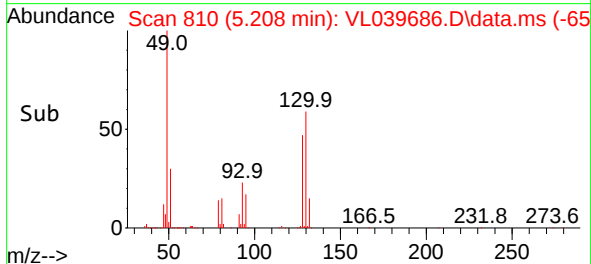
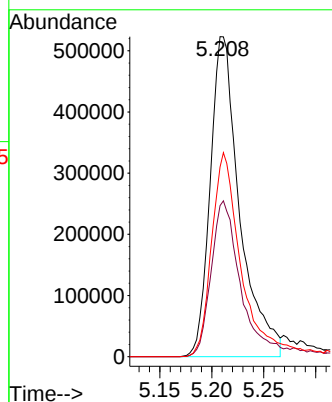
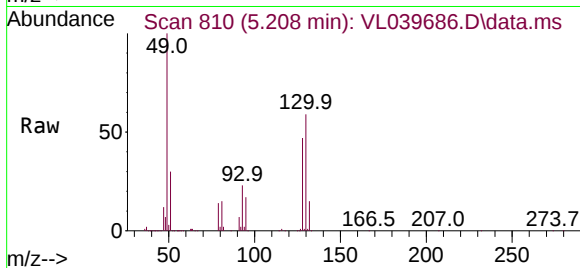




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: VL039686.D
 Acq: 4 Oct 2022 18:28

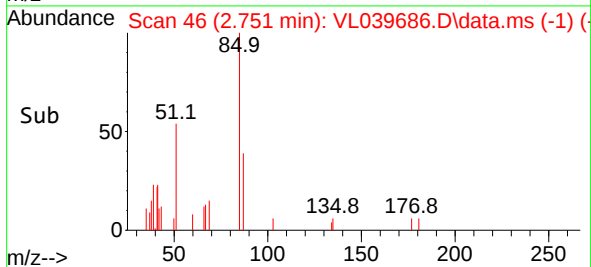
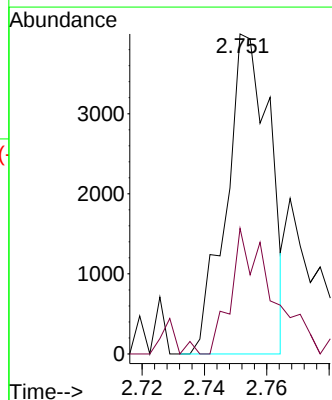
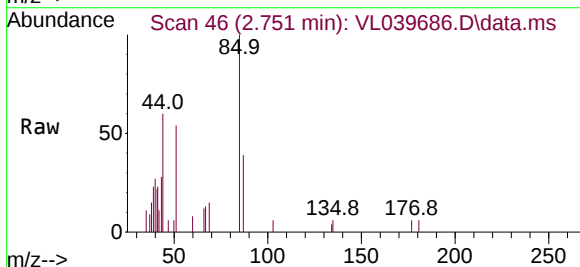
Instrument :
 MSVOA_L
 ClientSampleId :
 1DL

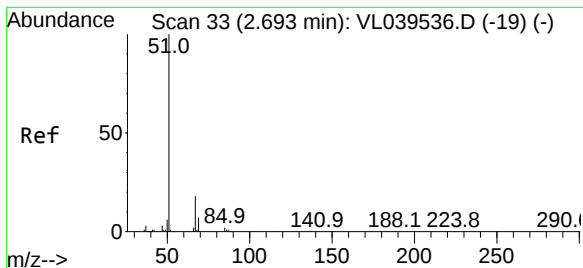
Tgt Ion: 49 Resp: 1032787
 Ion Ratio Lower Upper
 49 100
 128 53.3 26.7 80.0
 130 67.5 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.032 ppbv
 RT: 2.751 min Scan# 46
 Delta R.T. 0.001 min
 Lab File: VL039686.D
 Acq: 4 Oct 2022 18:28

Tgt Ion: 85 Resp: 3858
 Ion Ratio Lower Upper
 85 100
 87 39.2 26.7 40.1





#3
 Chlorodifluoromethane
 Concen: 0.502 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL039686.D
 Acq: 4 Oct 2022 18:28

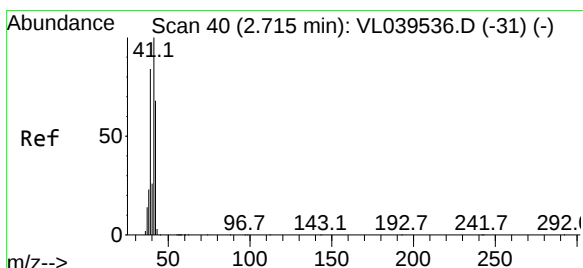
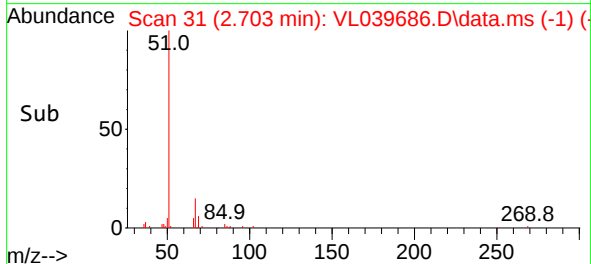
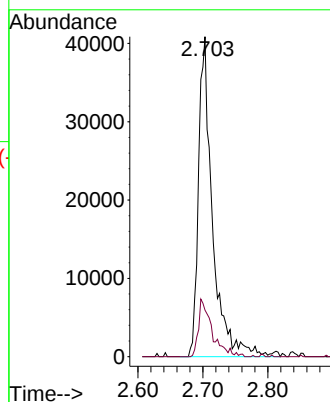
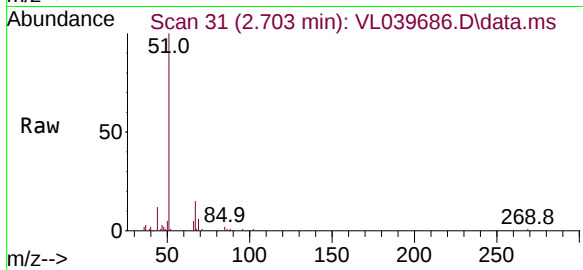
Instrument :

MSVOA_L

ClientSampleId :

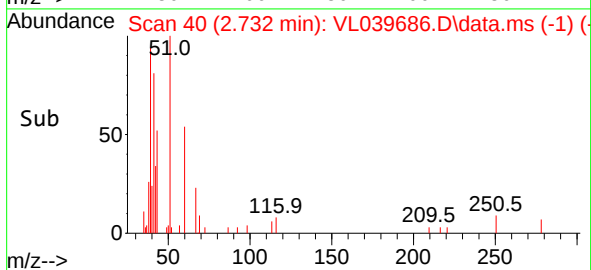
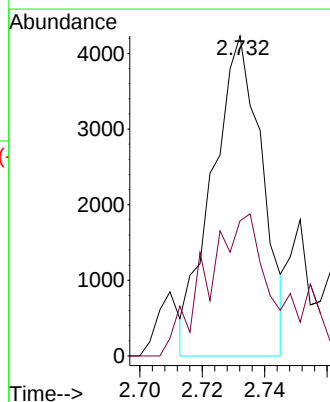
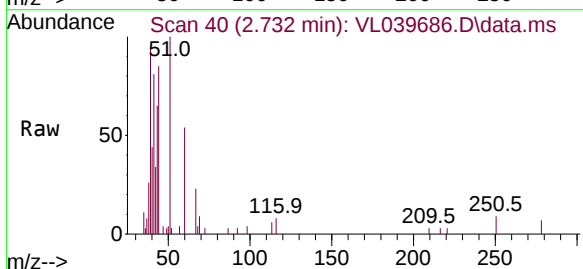
1DL

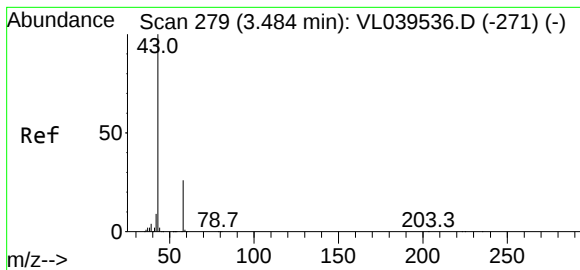
Tgt Ion: 51 Resp: 61574
 Ion Ratio Lower Upper
 51 100
 67 17.6 15.7 23.5



#9
 Propene
 Concen: 0.084 ppbv
 RT: 2.732 min Scan# 40
 Delta R.T. 0.017 min
 Lab File: VL039686.D
 Acq: 4 Oct 2022 18:28

Tgt Ion: 41 Resp: 4676
 Ion Ratio Lower Upper
 41 100
 42 68.7 55.2 82.8

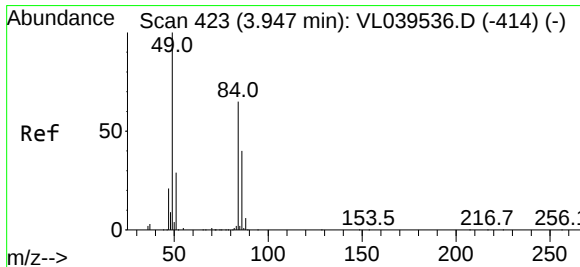
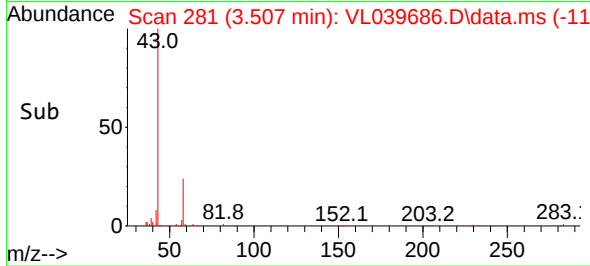
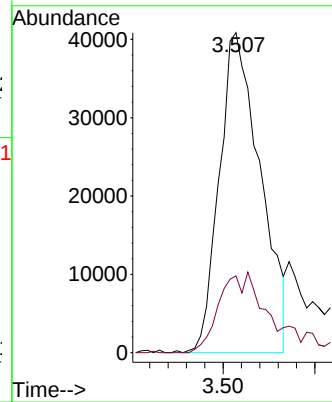
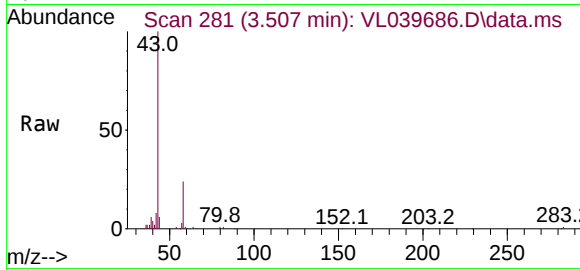




#15
Acetone
Concen: 0.552 ppbv
RT: 3.507 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL039686.D
Acq: 4 Oct 2022 18:28

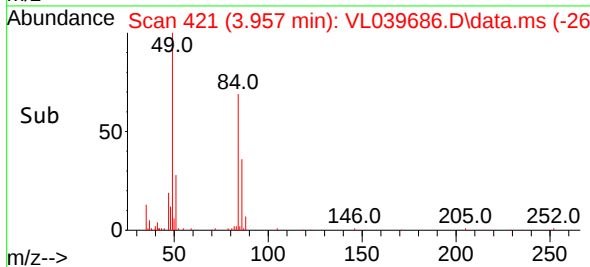
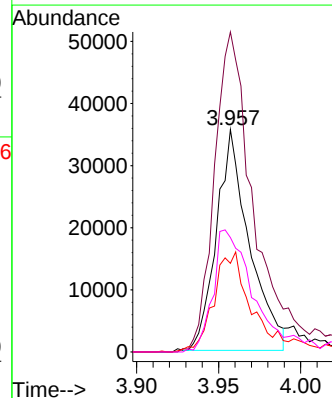
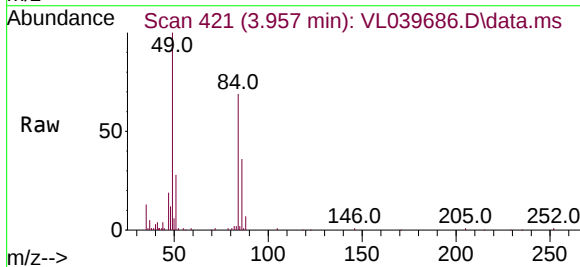
Instrument :
MSVOA_L
ClientSampleId :
1DL

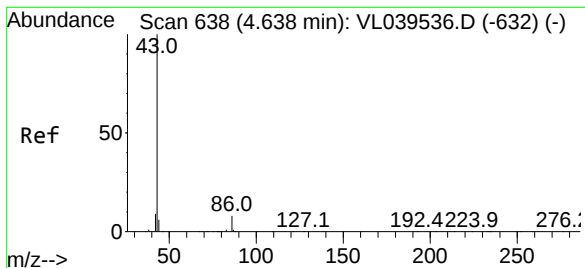
Tgt Ion: 43 Resp: 63488
Ion Ratio Lower Upper
43 100
58 33.0 21.0 31.6#



#20
Methylene Chloride
Concen: 0.932 ppbv
RT: 3.957 min Scan# 421
Delta R.T. 0.010 min
Lab File: VL039686.D
Acq: 4 Oct 2022 18:28

Tgt Ion: 84 Resp: 49525
Ion Ratio Lower Upper
84 100
49 143.4 123.1 184.7
51 38.9 34.4 51.6
86 51.8 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: VL039686.D

Acq: 4 Oct 2022 18:28

Instrument :

MSVOA_L

ClientSampleId :

1DL

Tgt Ion: 43 Resp: 1609

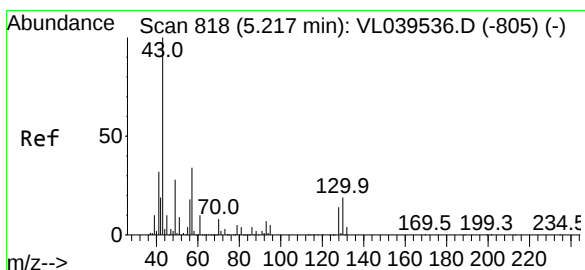
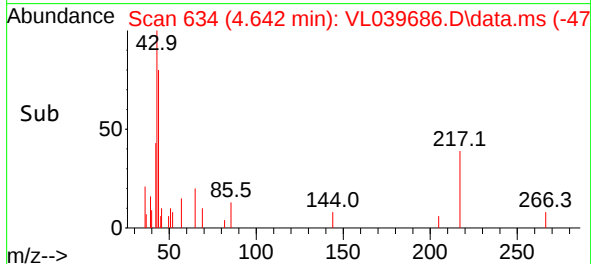
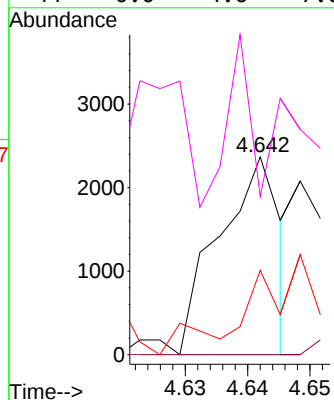
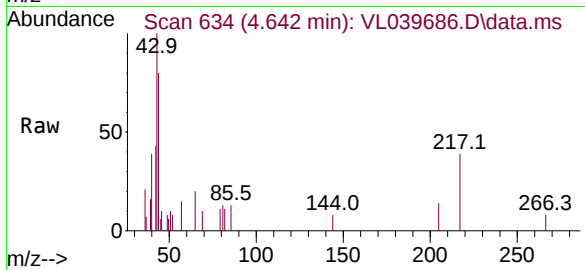
Ion Ratio Lower Upper

43 100

86 0.0 5.0 7.6#

42 14.9 7.7 11.5#

44 0.0 4.6 7.0#



#25

Ethyl Acetate

Concen: 0.178 ppbv

RT: 5.230 min Scan# 817

Delta R.T. 0.014 min

Lab File: VL039686.D

Acq: 4 Oct 2022 18:28

Tgt Ion: 43 Resp: 44647

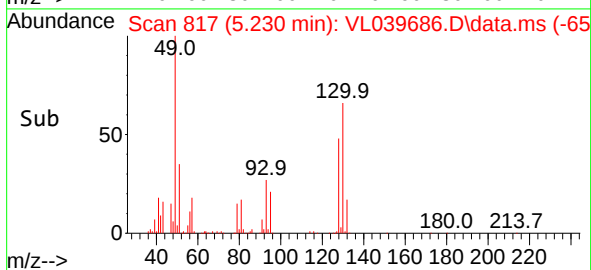
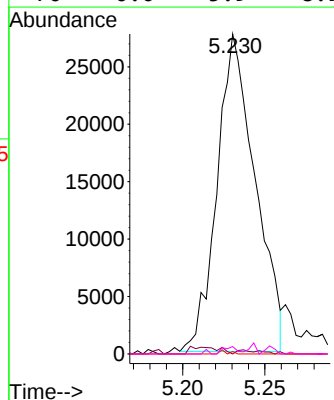
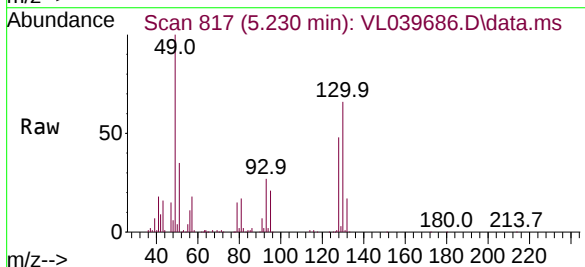
Ion Ratio Lower Upper

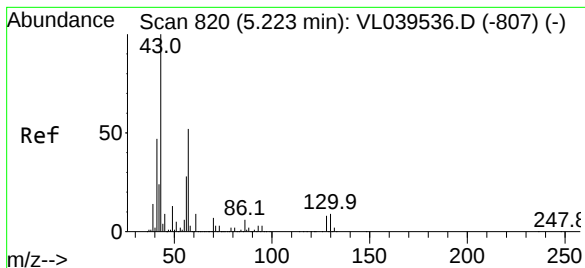
43 100

45 1.7 8.2 12.4#

61 0.2 8.3 12.5#

70 0.0 5.9 8.9#





#26

Hexane

Concen: 0.543 ppbv

RT: 5.230 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL039686.D

Acq: 4 Oct 2022 18:28

Instrument :

MSVOA_L

ClientSampleId :

1DL

Tgt Ion: 57 Resp: 57772

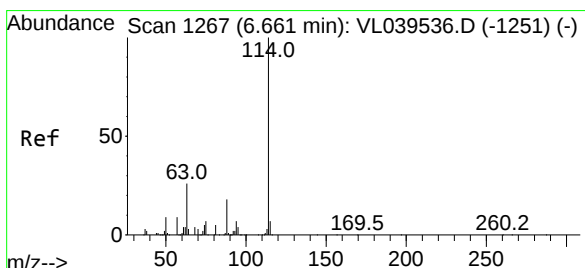
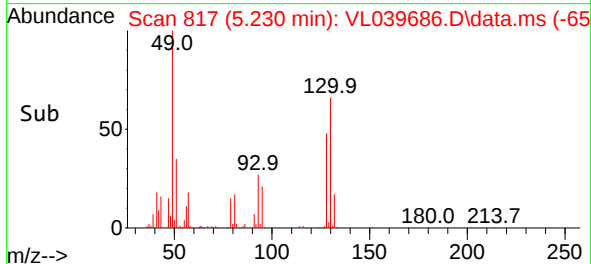
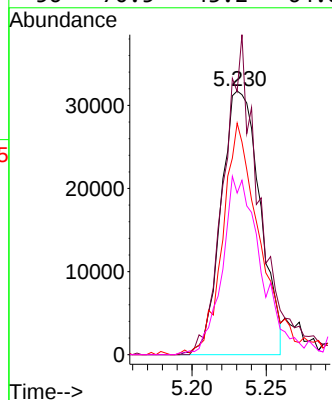
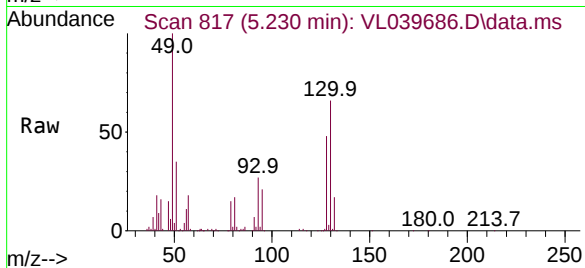
Ion Ratio Lower Upper

57 100

41 117.0 76.9 115.3#

43 88.1 191.0 286.6#

56 70.5 43.2 64.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. 0.007 min

Lab File: VL039686.D

Acq: 4 Oct 2022 18:28

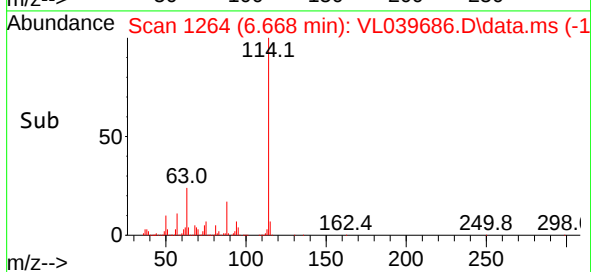
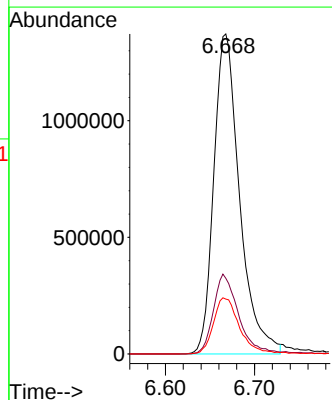
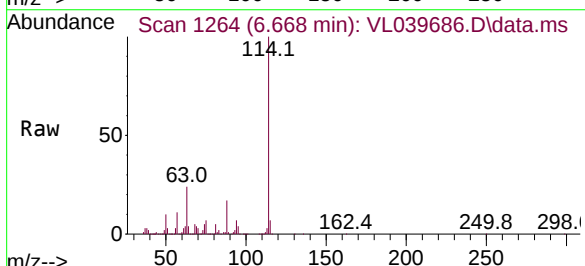
Tgt Ion: 114 Resp: 2759798

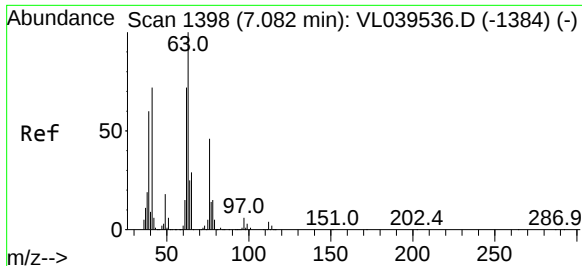
Ion Ratio Lower Upper

114 100

63 25.1 20.2 30.4

88 18.1 14.5 21.7

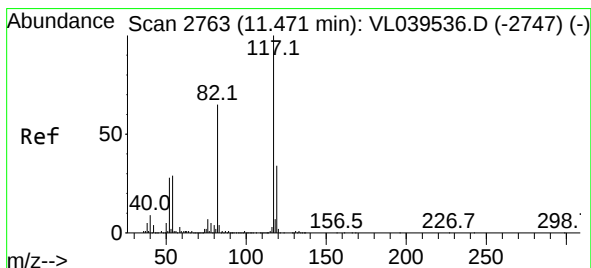
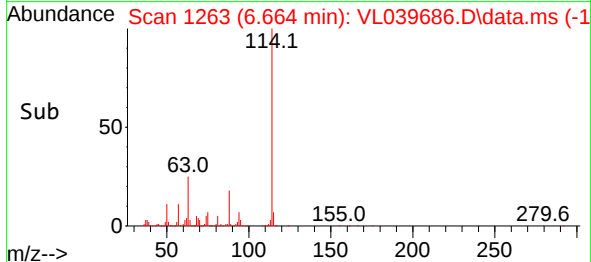
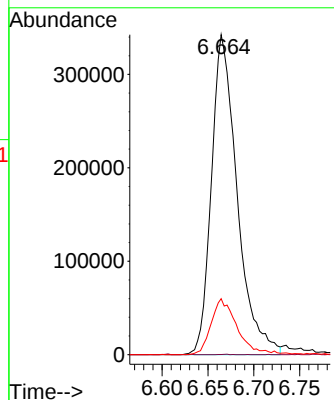
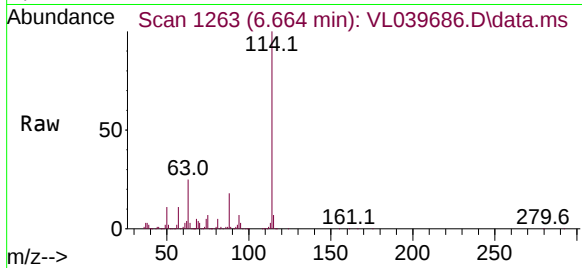




#39
1,2-Dichloropropane
Concen: 8.196 ppbv
RT: 6.664 min Scan# 11
Delta R.T. -0.417 min
Lab File: VL039686.D
Acq: 4 Oct 2022 18:28

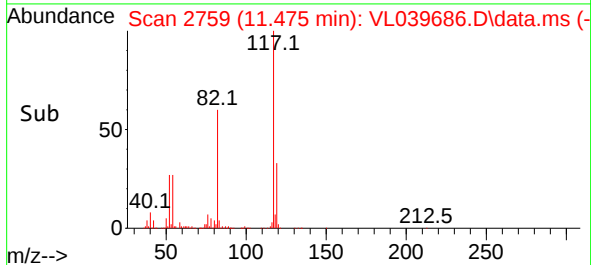
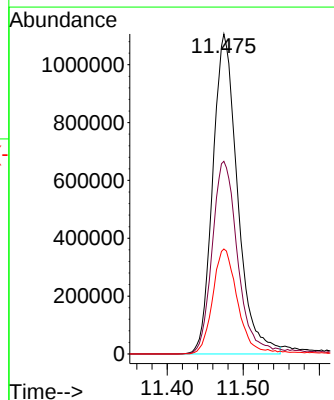
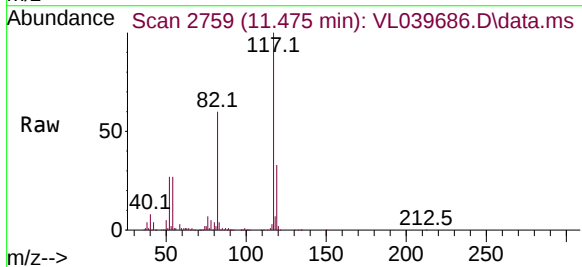
Instrument :
MSVOA_L
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1DL

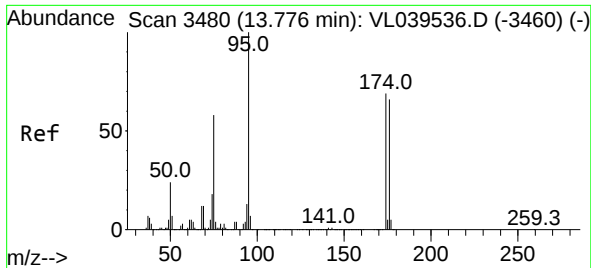
Tgt Ion: 63 Resp: 667746
Ion Ratio Lower Upper
63 100
41 0.1 59.6 89.4#
62 17.5 51.4 77.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.004 min
Lab File: VL039686.D
Acq: 4 Oct 2022 18:28

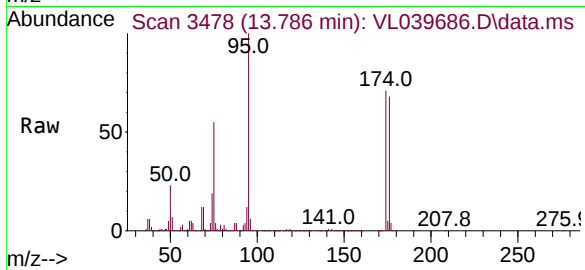
Tgt Ion: 117 Resp: 2506980
Ion Ratio Lower Upper
117 100
82 63.4 50.8 76.2
119 33.8 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.586 ppbv
 RT: 13.786 min Scan# 34
 Delta R.T. 0.010 min
 Lab File: VL039686.D
 Acq: 4 Oct 2022 18:28

Instrument :
 MSVOA_L
 ClientSampleId :
 1DL



Tgt Ion: 95 Resp: 1793954
 Ion Ratio Lower Upper
 95 100
 174 74.5 55.9 83.9
 175 5.8 4.2 6.4

