

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041095.D
 Acq On : 12 Mar 2024 12:28
 Operator : SY/MD
 Sample : P1718-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Mar 13 01:28:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 13 01:22:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1365797	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3806060	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	3383787	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2612136	9.873	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

9) Propene	2.700	41	10087	0.151	ppbv	85
10) Heptane	7.581	43	6033	0.038	ppbv #	35
13) Ethanol	3.250	45	590	0.033	ppbv #	38
15) Acetone	3.491	43	64636	0.415	ppbv #	89
20) Methylene Chloride	3.931	84	32726	0.539	ppbv	97
25) Ethyl Acetate	5.214	43	54018	0.193	ppbv #	75
26) Hexane	5.214	57	74118	0.592	ppbv #	41
34) 2-Butanone	4.812	43	7334	0.039	ppbv #	54
39) 1,2-Dichloropropane	6.655	63	902813	7.966	ppbv #	23

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

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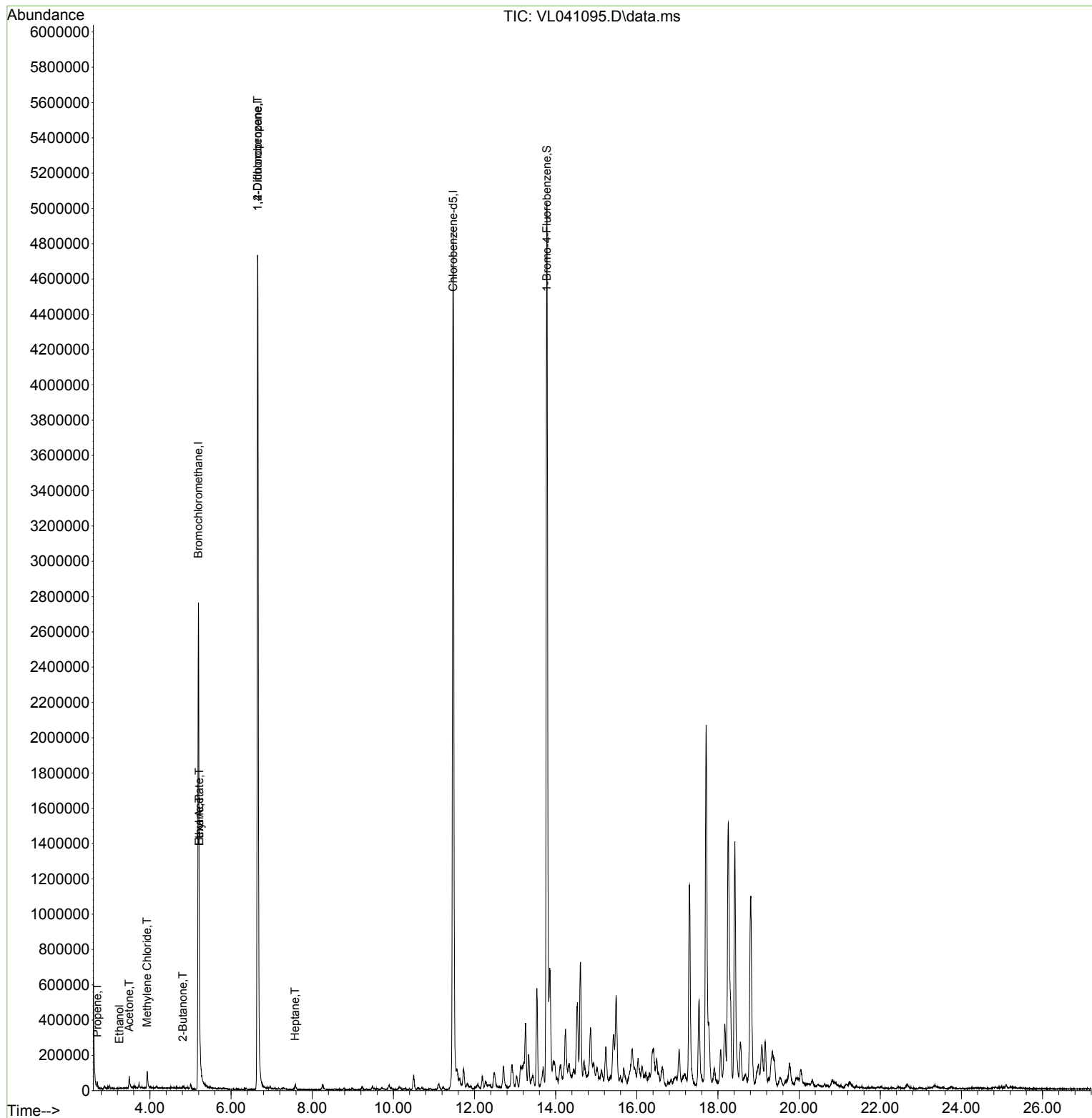
Quant Time: Mar 13 01:28:09 2024

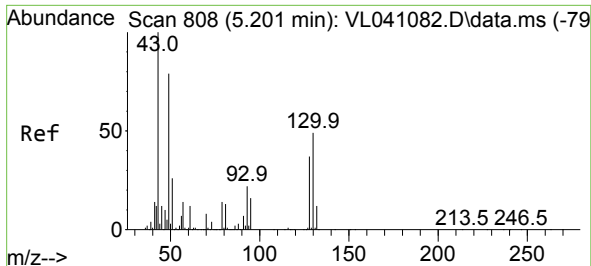
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Mar 13 01:22:02 2024

Response via : Initial Calibration

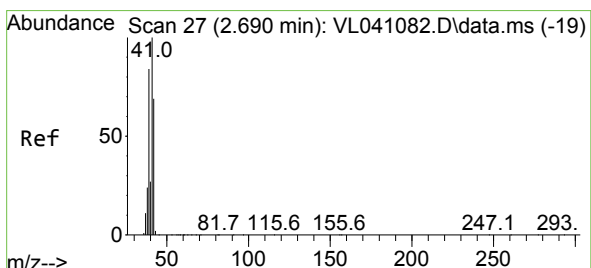
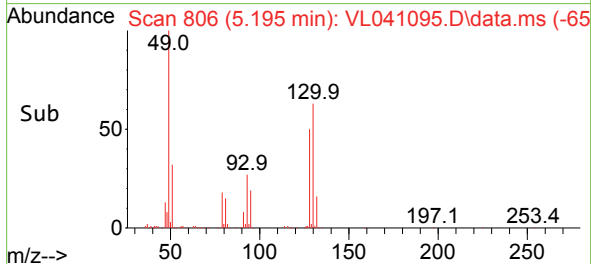
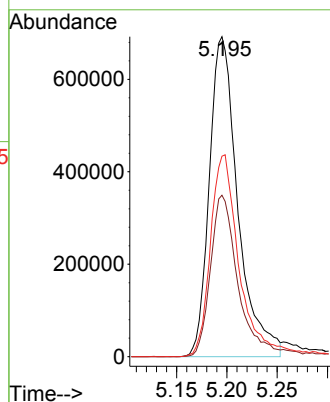
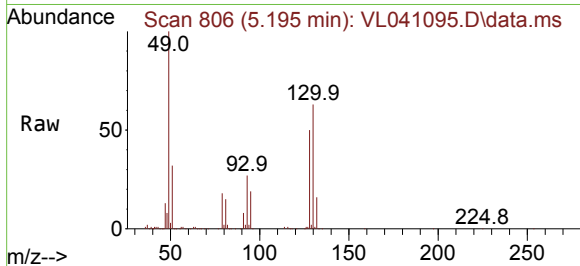




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

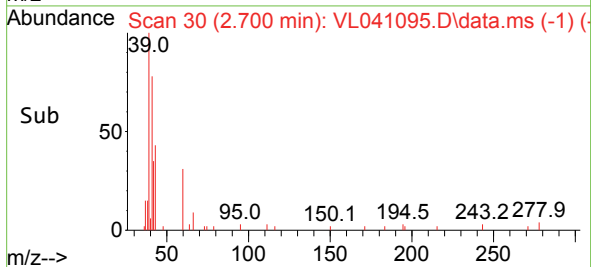
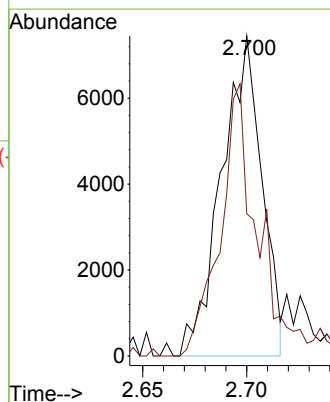
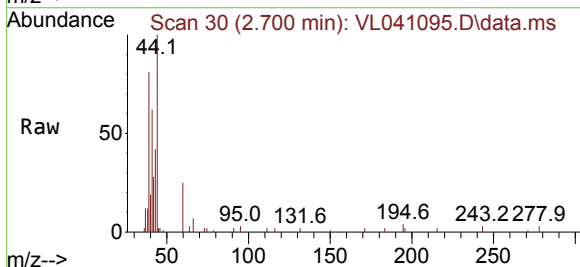
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

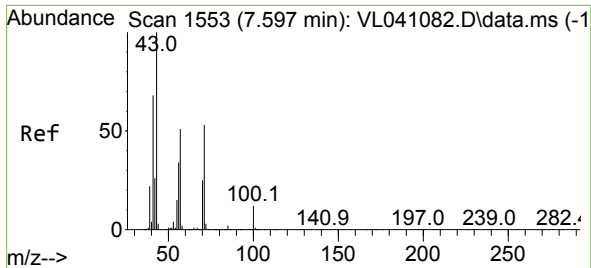
Tgt Ion: 49 Resp: 1365797
Ion Ratio Lower Upper
49 100
128 51.4 23.8 71.5
130 66.3 30.3 90.9



#9
Propene
Concen: 0.151 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

Tgt Ion: 41 Resp: 10087
Ion Ratio Lower Upper
41 100
42 82.1 55.9 83.9

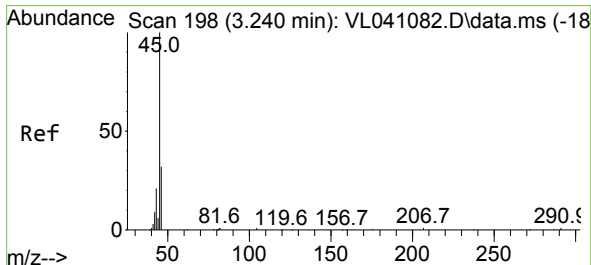
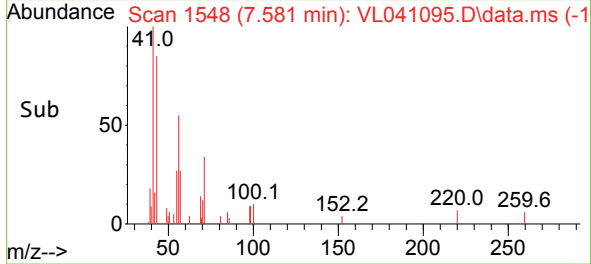
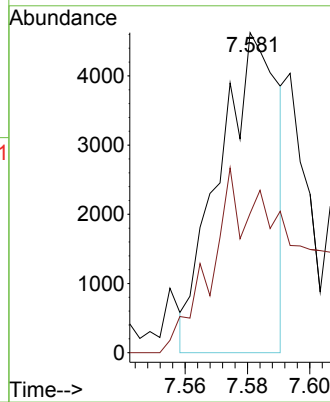
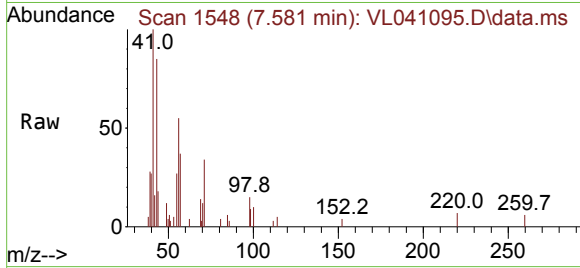




#10
Heptane
Concen: 0.038 ppbv
RT: 7.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

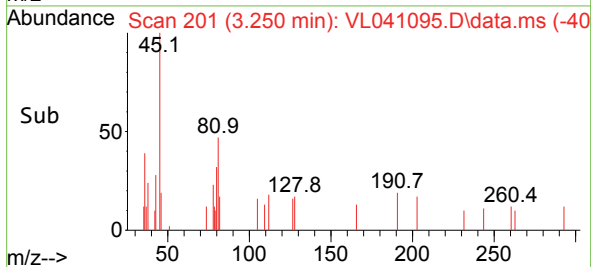
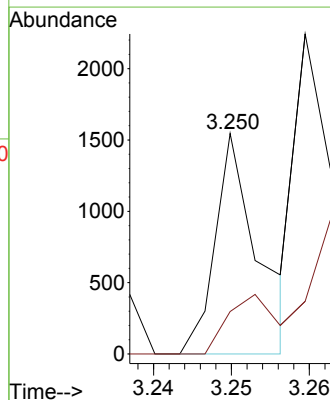
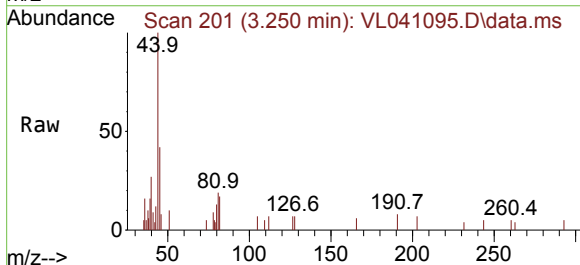
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

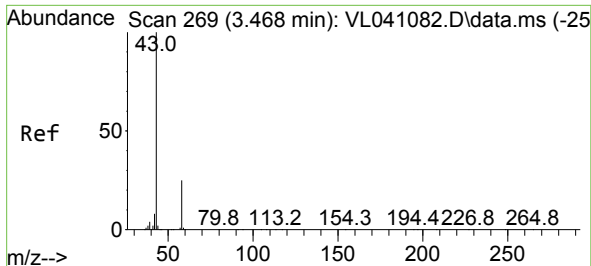
Tgt Ion: 43 Resp: 6033
Ion Ratio Lower Upper
43 100
57 96.7 41.0 61.6#



#13
Ethanol
Concen: 0.033 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.016 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

Tgt Ion: 45 Resp: 590
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2#

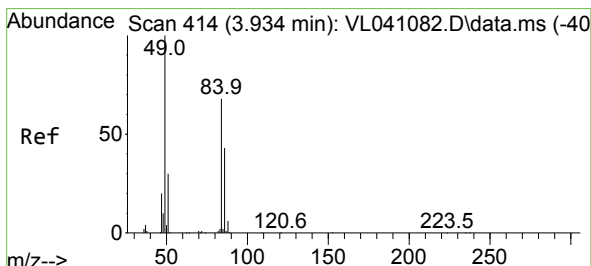
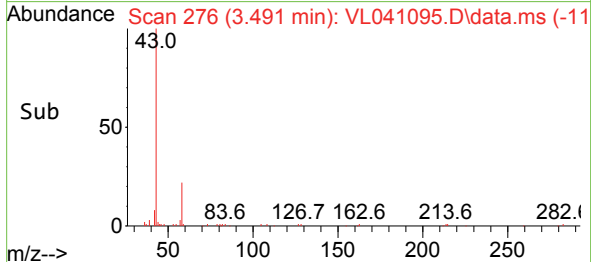
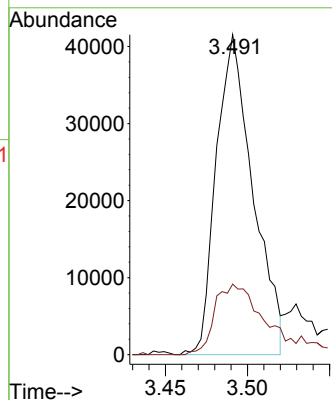
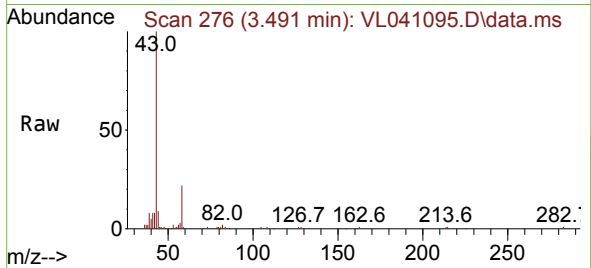




#15
Acetone
Concen: 0.415 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

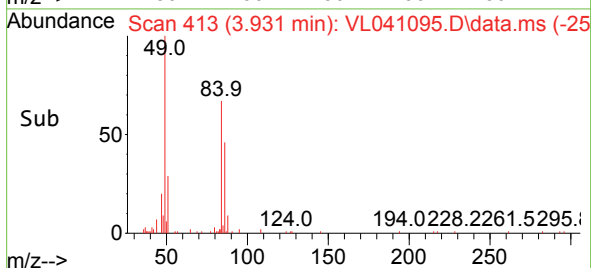
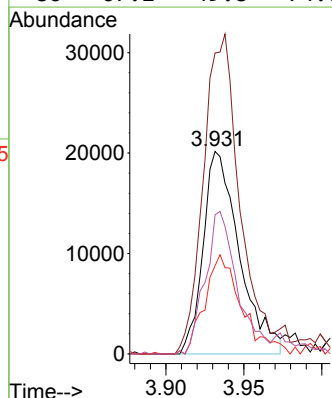
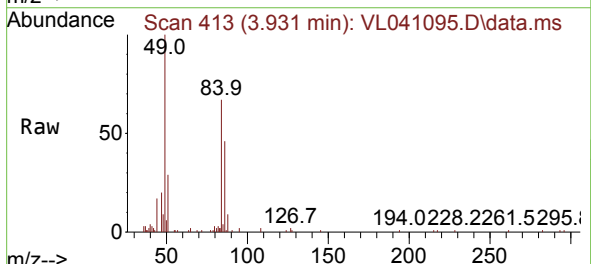
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

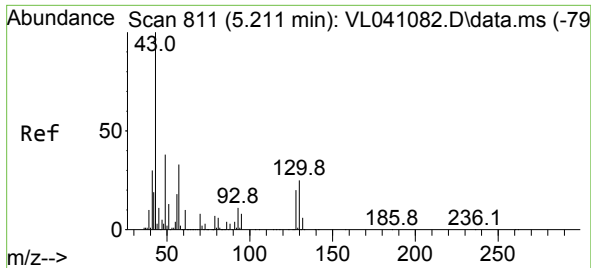
Tgt Ion: 43 Resp: 64636
Ion Ratio Lower Upper
43 100
58 32.8 21.7 32.5#



#20
Methylene Chloride
Concen: 0.539 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.003 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

Tgt Ion: 84 Resp: 32726
Ion Ratio Lower Upper
84 100
49 145.1 117.0 175.6
51 42.1 34.9 52.3
86 67.2 49.8 74.6

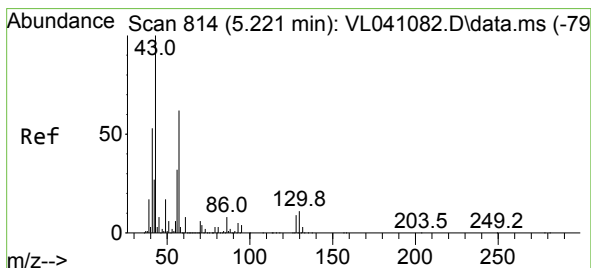
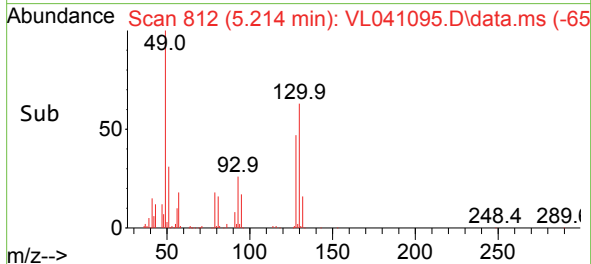
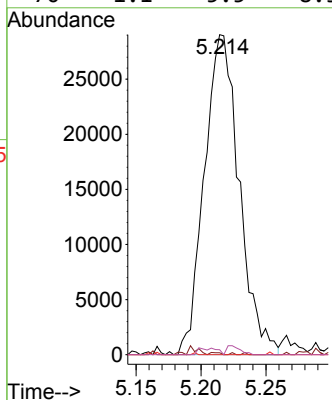
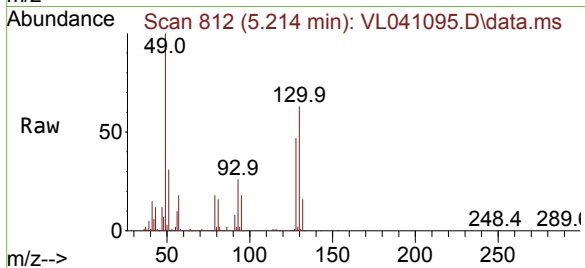




#25
Ethyl Acetate
Concen: 0.193 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

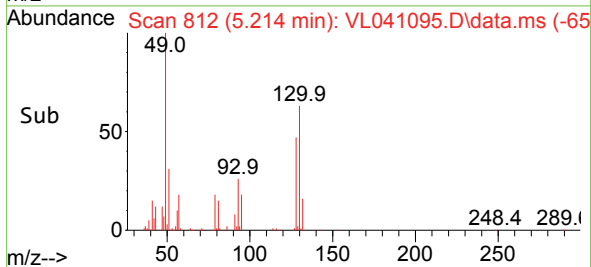
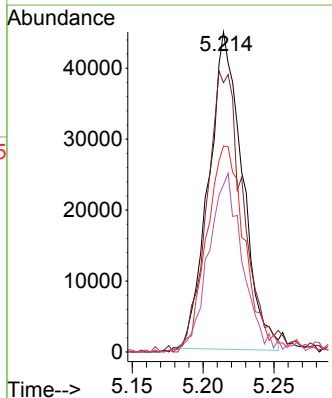
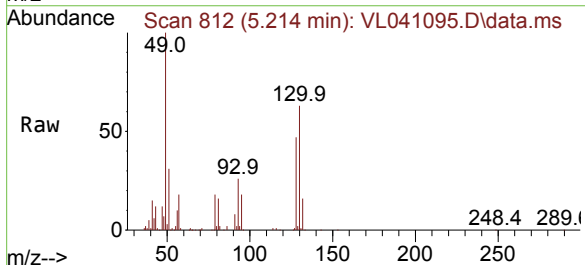
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

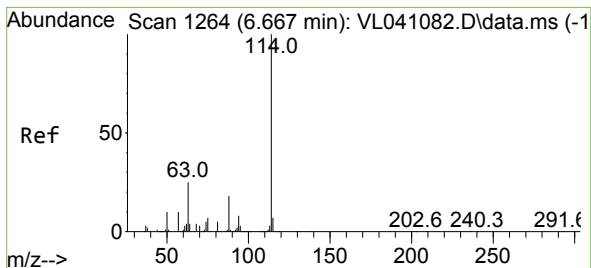
Tgt Ion: 43	Resp: 54018
Ion Ratio	Lower Upper
43 100	
45 0.0	8.2 12.2#
61 0.0	8.2 12.2#
70 1.1	5.5 8.3#



#26
Hexane
Concen: 0.592 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041095.D
Acq: 12 Mar 2024 12:28

Tgt Ion: 57	Resp: 74118
Ion Ratio	Lower Upper
57 100	
41 98.6	73.8 110.6
43 76.0	184.2 276.2#
56 57.9	43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041095.D

Acq: 12 Mar 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

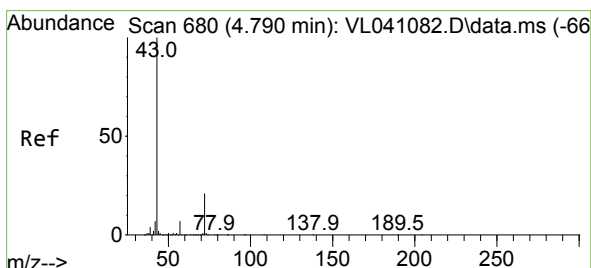
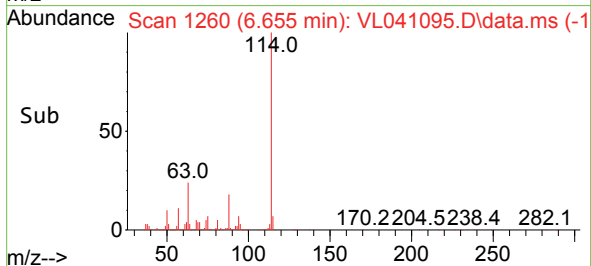
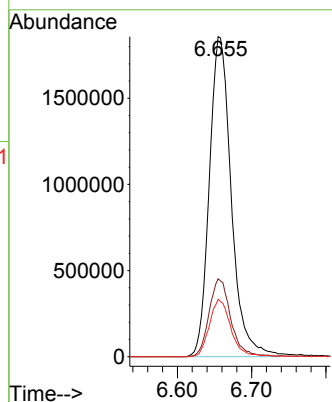
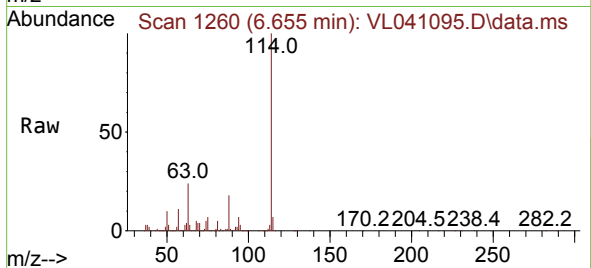
Tgt Ion:114 Resp: 3806060

Ion Ratio Lower Upper

114 100

63 24.4 21.0 31.6

88 17.7 14.6 22.0



#34

2-Butanone

Concen: 0.039 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.029 min

Lab File: VL041095.D

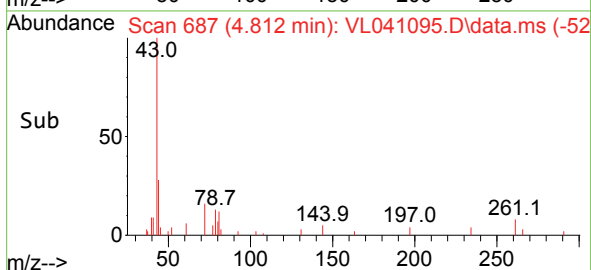
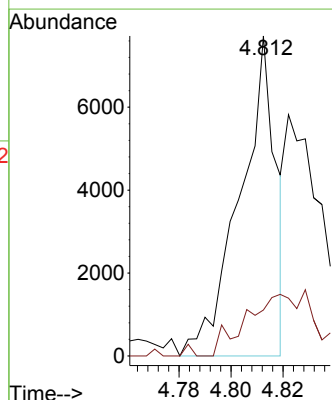
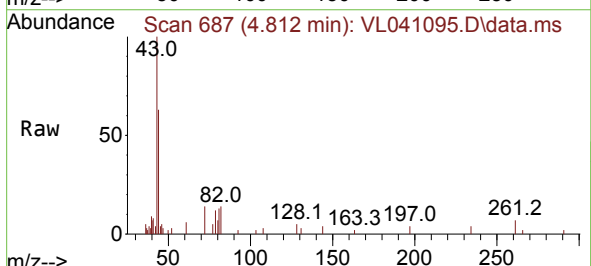
Acq: 12 Mar 2024 12:28

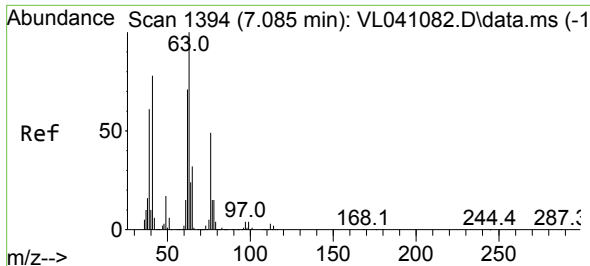
Tgt Ion: 43 Resp: 7334

Ion Ratio Lower Upper

43 100

72 0.0 17.4 26.0#





#39

1,2-Dichloropropane

Concen: 7.966 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.421 min

Lab File: VL041095.D

Acq: 12 Mar 2024 12:28

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

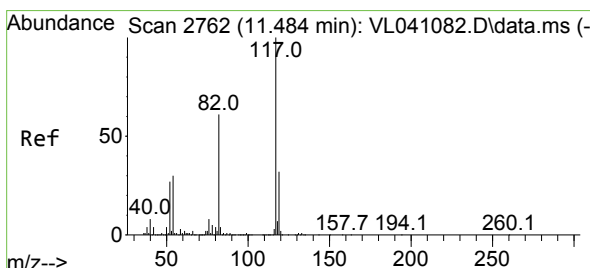
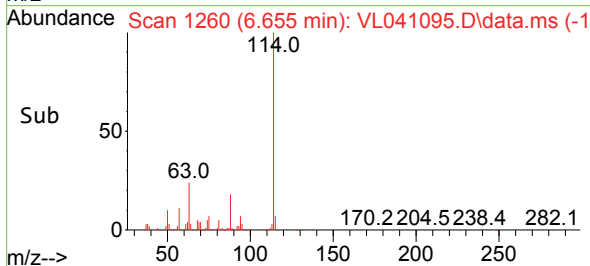
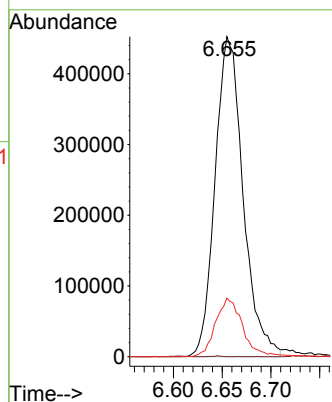
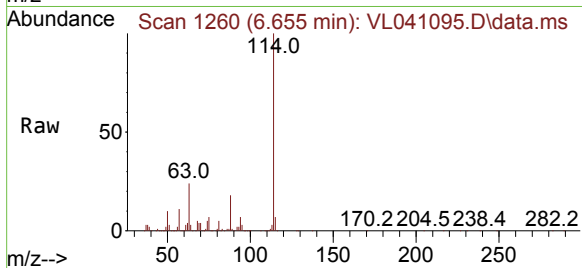
Tgt Ion: 63 Resp: 902813

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.4#

62 18.3 57.0 85.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 2759

Delta R.T. -0.000 min

Lab File: VL041095.D

Acq: 12 Mar 2024 12:28

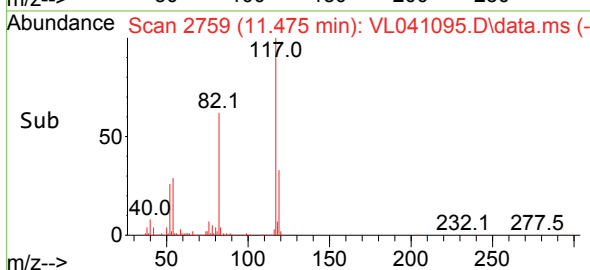
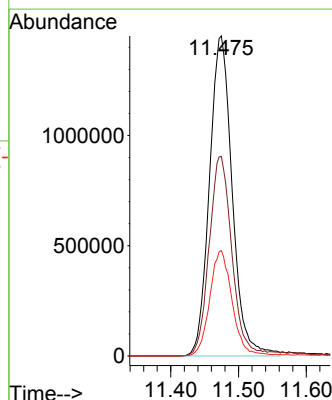
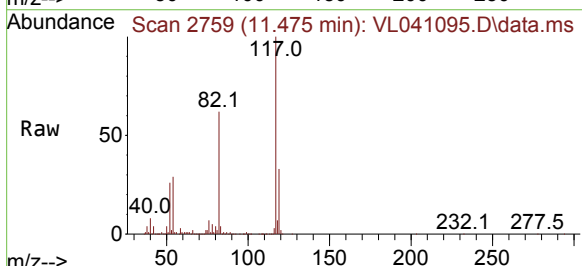
Tgt Ion: 117 Resp: 3383787

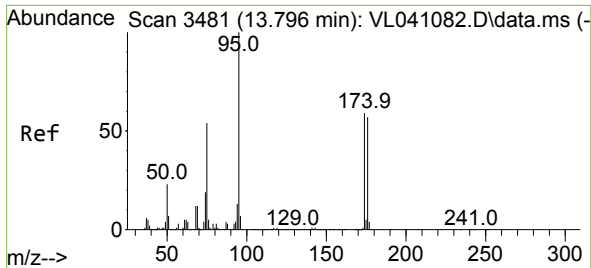
Ion Ratio Lower Upper

117 100

82 64.3 51.4 77.2

119 33.4 23.7 35.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.873 ppbv
 RT: 13.783 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VL041095.D
 Acq: 12 Mar 2024 12:28

Instrument :
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Tgt Ion: 95 Resp: 2612136
 Ion Ratio Lower Upper
 95 100
 174 62.7 47.8 71.8
 175 4.8 3.5 5.3

