

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041441.D
 Acq On : 29 Jul 2024 23:09
 Operator : SY/MD
 Sample : P3342-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:55:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jul 30 02:42:20 2024
 Response via : Initial Calibration

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

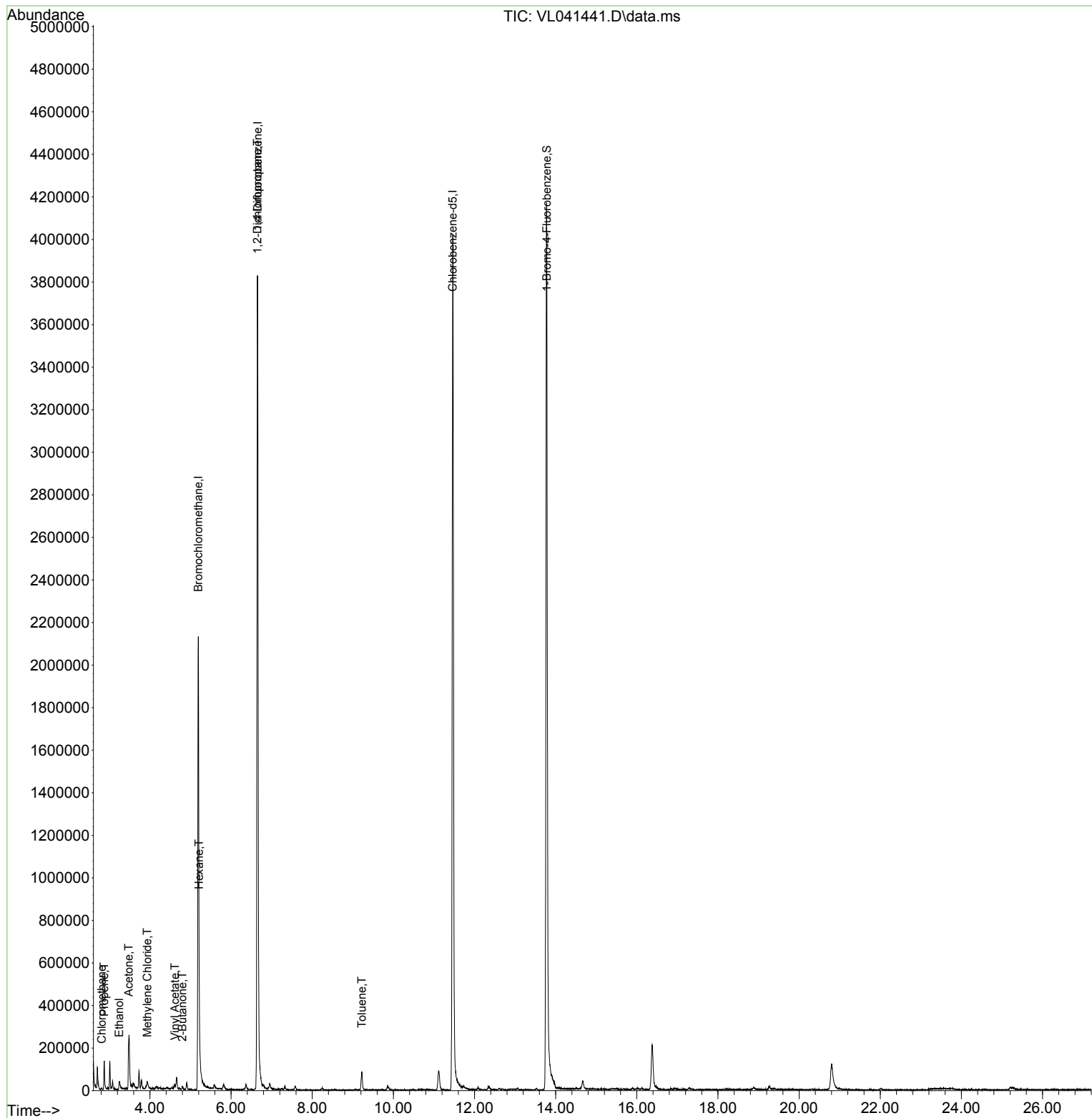
Internal Standards						
1) Bromochloromethane	5.192	49	1079235	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.652	114	2953842	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2686404	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2066900	9.998	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
4) Chloromethane	2.816	50	3219	0.047	ppbv	# 77
9) Propene	2.874	41	31147	0.528	ppbv	86
13) Ethanol	3.243	45	15528	2.944	ppbv	# 1
15) Acetone	3.475	43	258873	2.111	ppbv	94
20) Methylene Chloride	3.935	84	9571	0.209	ppbv	96
23) Vinyl Acetate	4.616	43	4159	0.044	ppbv	# 1
26) Hexane	5.211	57	17836	0.176	ppbv	# 54
34) 2-Butanone	4.800	43	18113	0.127	ppbv	92
39) 1,2-Dichloropropane	6.648	63	733214	8.873	ppbv	# 25
53) Toluene	9.224	91	30517	0.127	ppbv	# 20

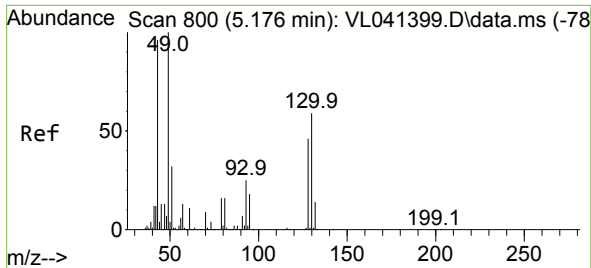
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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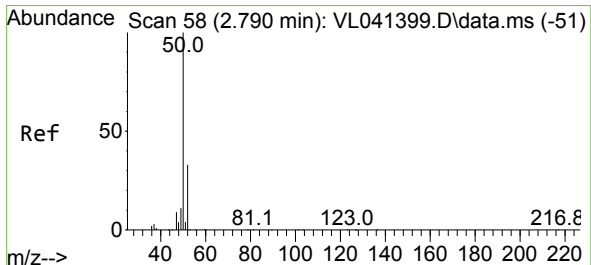
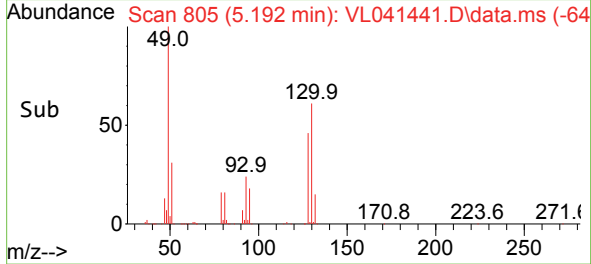
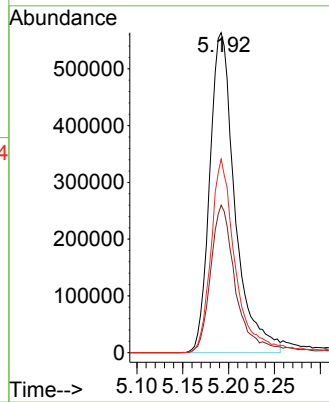
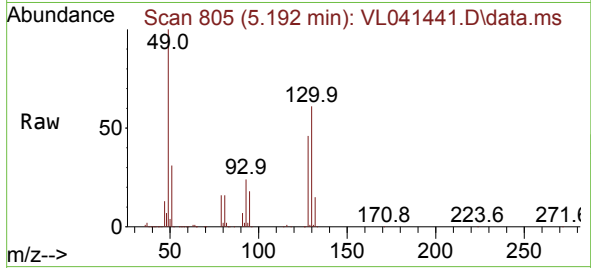




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

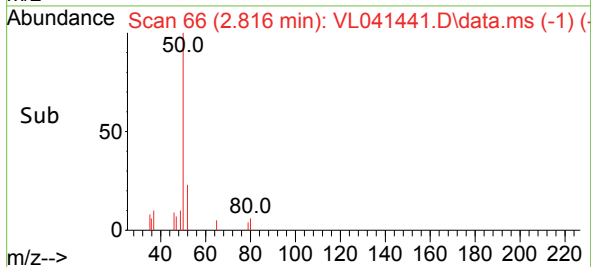
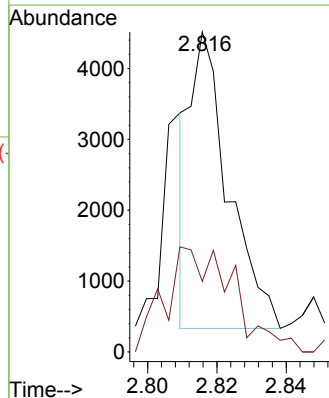
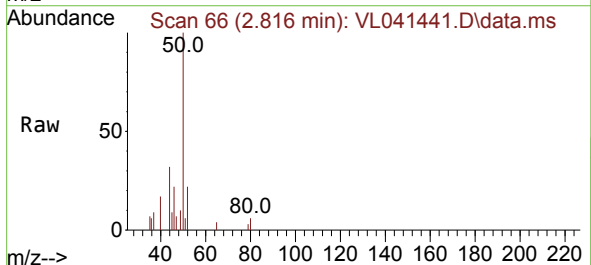
Instrument :
MSVOA_L
ClientSampleId :

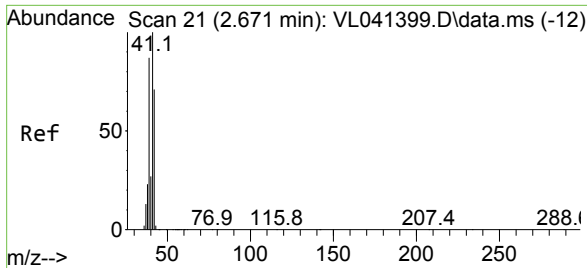
Tgt Ion: 49 Resp: 1079235
Ion Ratio Lower Upper
49 100
128 47.7 23.8 71.4
130 61.0 30.8 92.4



#4
Chloromethane
Concen: 0.047 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.023 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

Tgt Ion: 50 Resp: 3219
Ion Ratio Lower Upper
50 100
52 19.9 26.1 39.1#

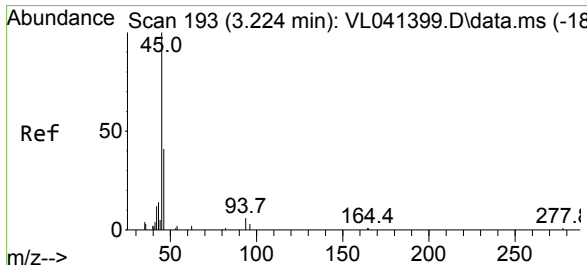
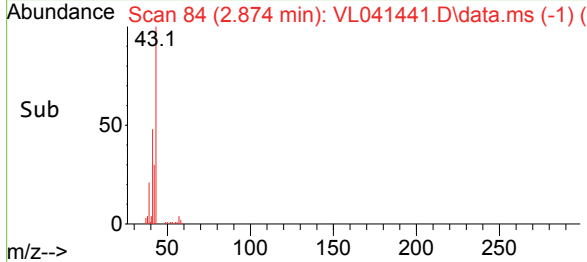
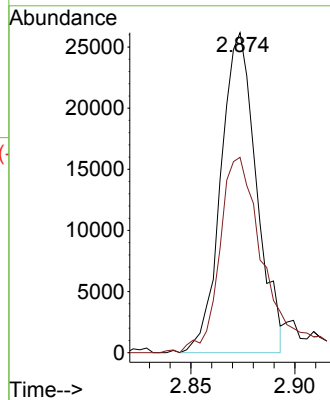
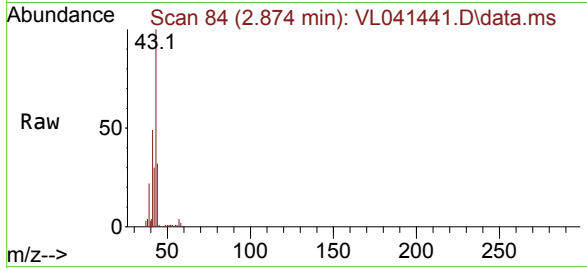




#9
Propene
Concen: 0.528 ppbv
RT: 2.874 min Scan# 84
Delta R.T. 0.203 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

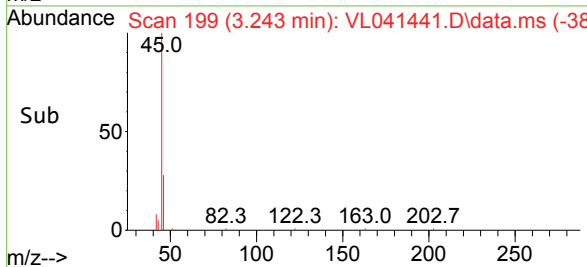
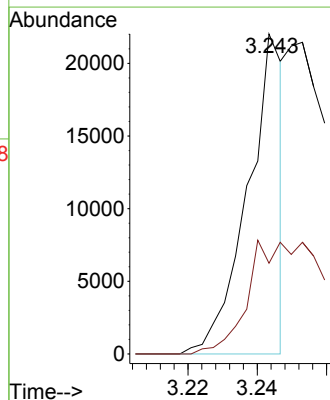
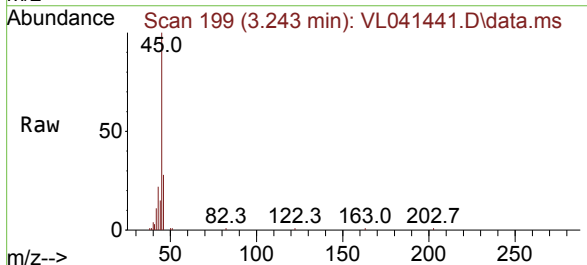
Instrument :
MSVOA_L
ClientSampleId :

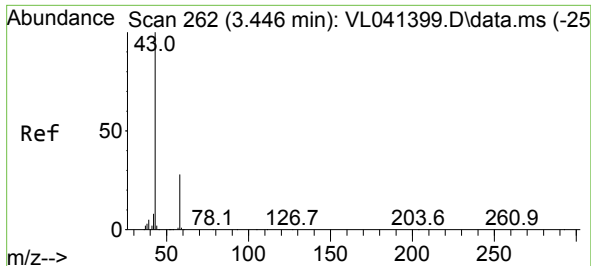
Tgt Ion: 41 Resp: 31147
Ion Ratio Lower Upper
41 100
42 81.6 55.9 83.9



#13
Ethanol
Concen: 2.944 ppbv
RT: 3.243 min Scan# 199
Delta R.T. 0.016 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

Tgt Ion: 45 Resp: 15528
Ion Ratio Lower Upper
45 100
46 124.1 13.4 53.4

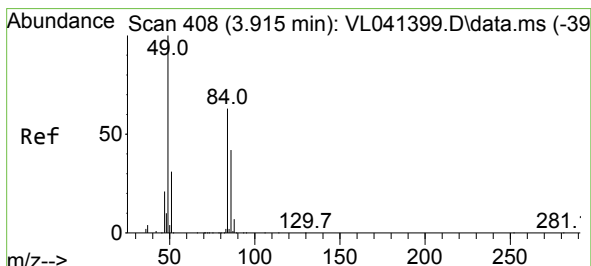
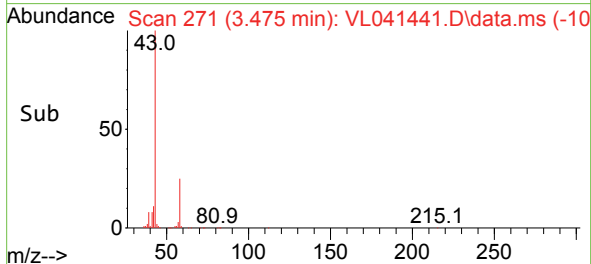
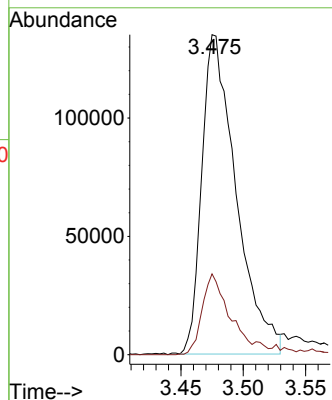
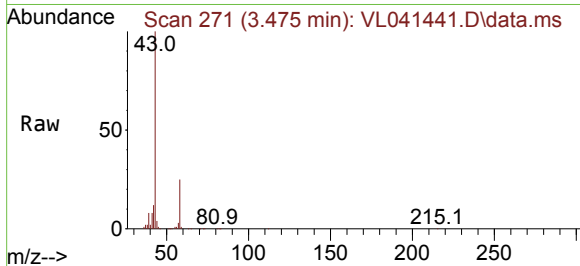




#15
Acetone
Concen: 2.111 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

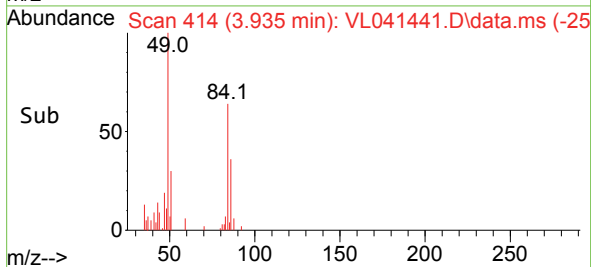
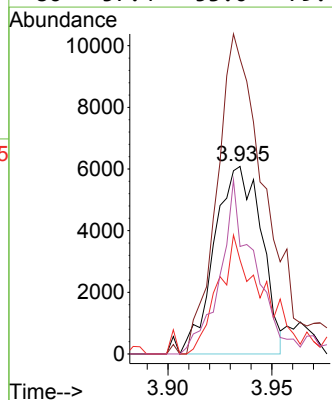
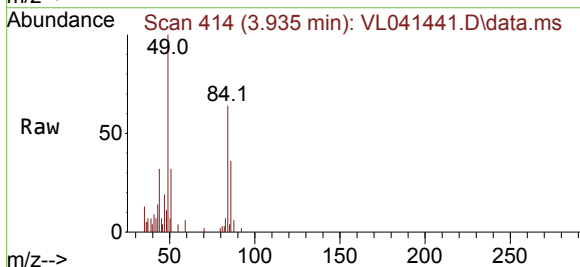
Instrument :
MSVOA_L
ClientSampleId :

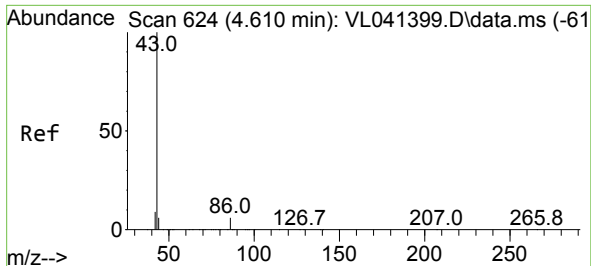
Tgt Ion: 43 Resp: 258873
Ion Ratio Lower Upper
43 100
58 23.6 21.4 32.2



#20
Methylene Chloride
Concen: 0.209 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.016 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

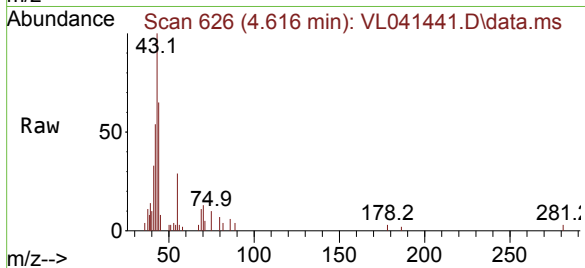
Tgt Ion: 84 Resp: 9571
Ion Ratio Lower Upper
84 100
49 157.4 126.6 190.0
51 50.1 38.6 58.0
86 57.4 53.0 79.4





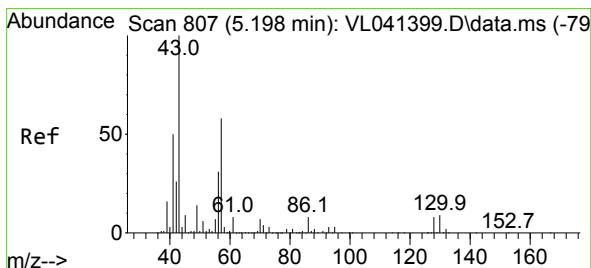
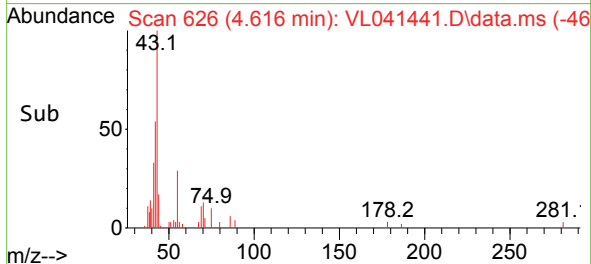
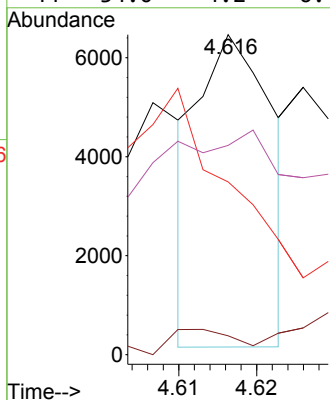
#23
Vinyl Acetate
Concen: 0.044 ppbv
RT: 4.616 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 4159

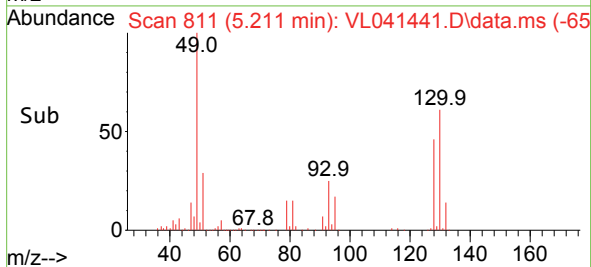
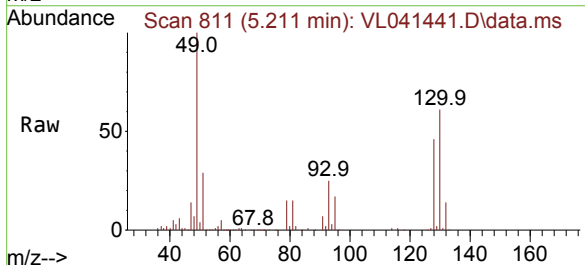
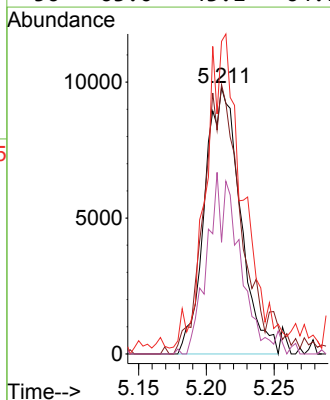
Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.6	6.8#
42	67.2	7.9	11.9#
44	34.0	4.2	6.4#

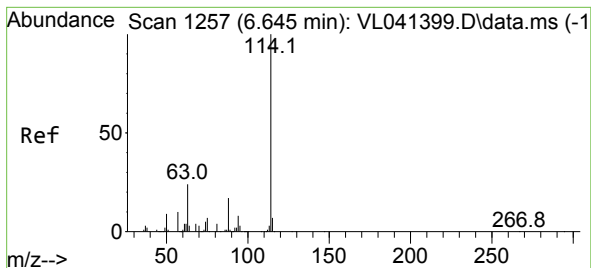


#26
Hexane
Concen: 0.176 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

Tgt Ion: 57 Resp: 17836

Ion	Ratio	Lower	Upper
57	100		
41	110.1	74.0	111.0
43	133.4	193.6	290.4#
56	63.0	43.1	64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL041441.D

Acq: 29 Jul 2024 23:09

Instrument :

MSVOA_L

ClientSampleId :

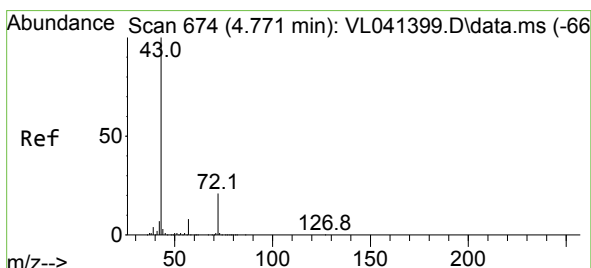
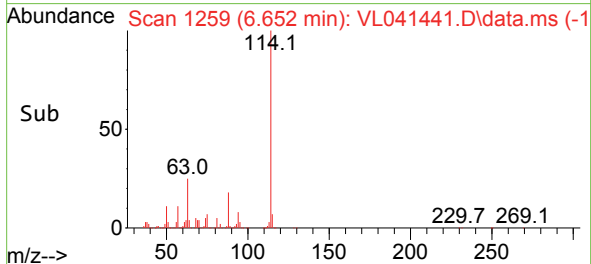
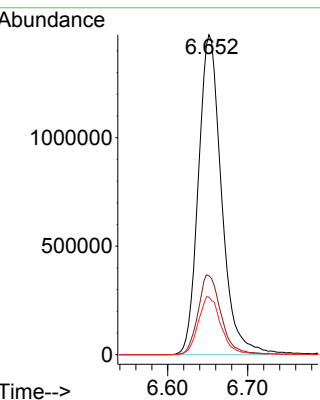
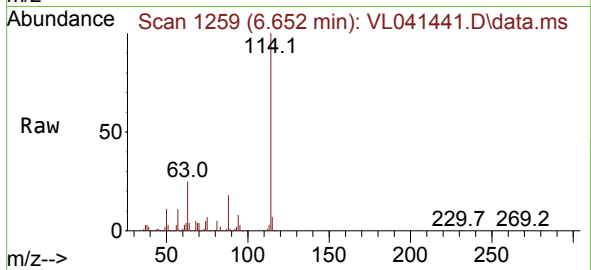
Tgt Ion:114 Resp: 2953842

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 0.127 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.026 min

Lab File: VL041441.D

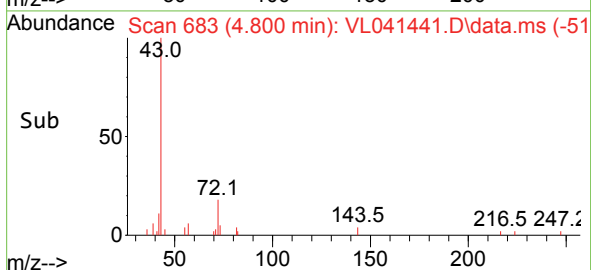
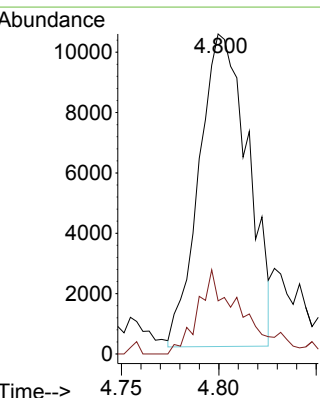
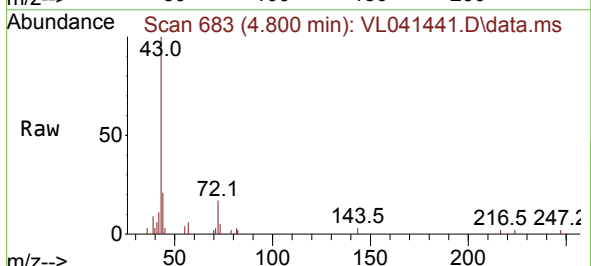
Acq: 29 Jul 2024 23:09

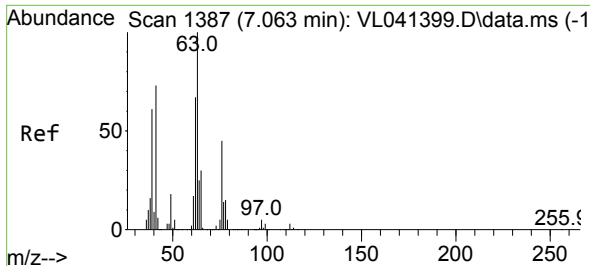
Tgt Ion: 43 Resp: 18113

Ion Ratio Lower Upper

43 100

72 25.6 17.3 25.9





#39

1,2-Dichloropropane

Concen: 8.873 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041441.D

Acq: 29 Jul 2024 23:09

Instrument :

MSVOA_L

ClientSampleId :

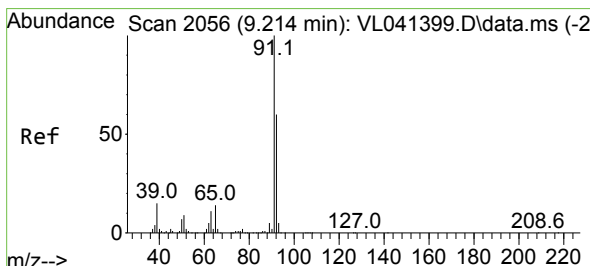
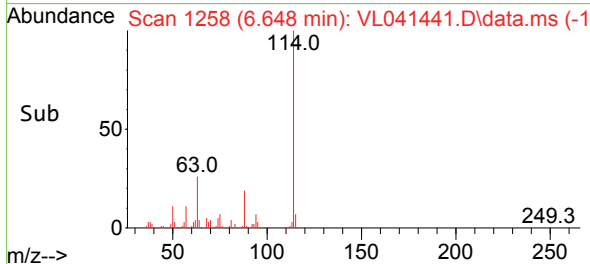
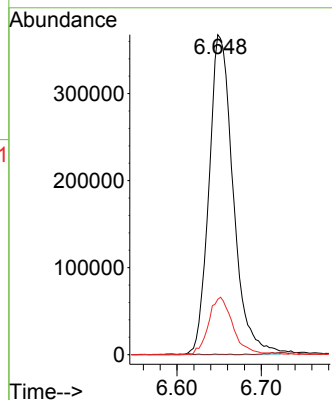
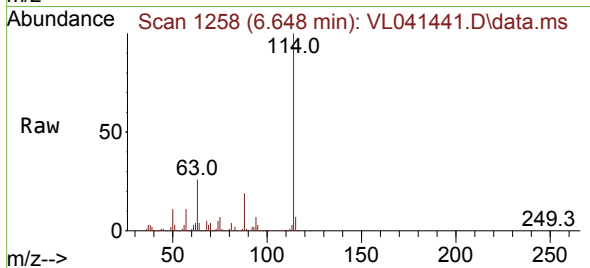
Tgt Ion: 63 Resp: 733214

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 17.3 53.9 80.9#



#53

Toluene

Concen: 0.127 ppbv

RT: 9.224 min Scan# 2059

Delta R.T. 0.007 min

Lab File: VL041441.D

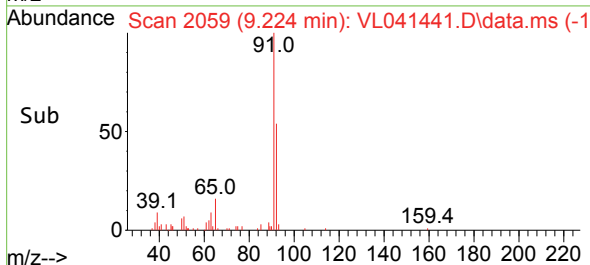
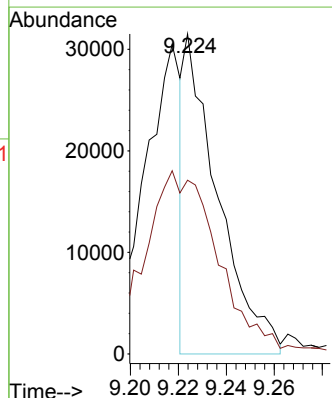
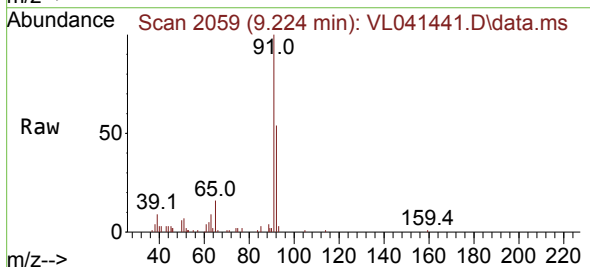
Acq: 29 Jul 2024 23:09

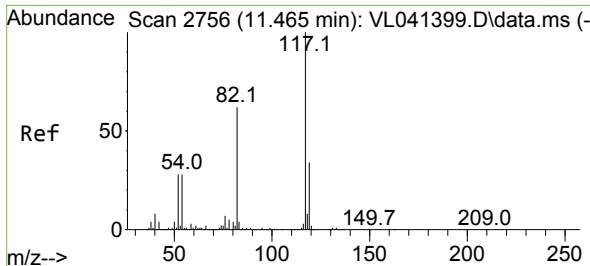
Tgt Ion: 91 Resp: 30517

Ion Ratio Lower Upper

91 100

92 0.0 48.7 73.1#

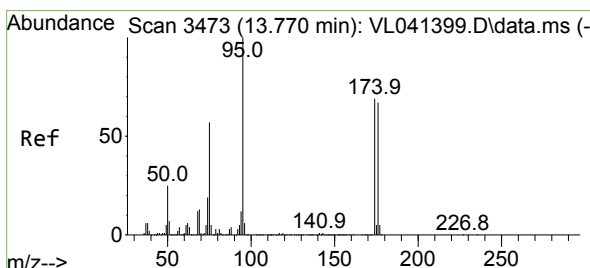
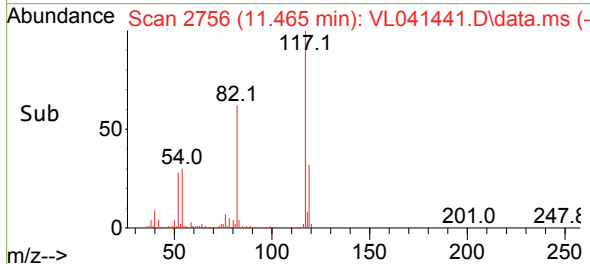
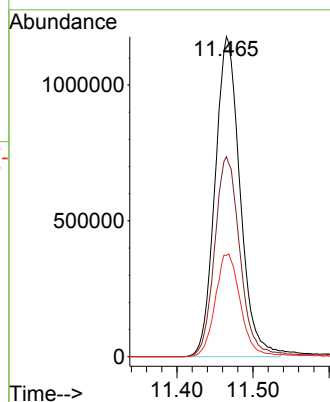
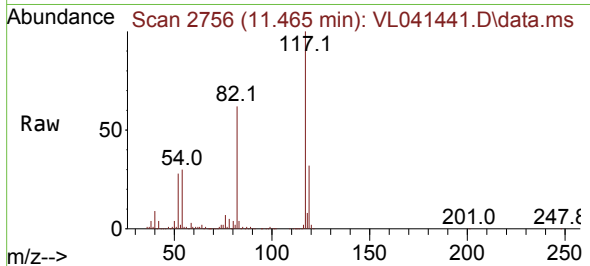




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2686404
Ion Ratio Lower Upper
117 100
82 64.9 51.0 76.6
119 33.4 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.998 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.007 min
Lab File: VL041441.D
Acq: 29 Jul 2024 23:09

Tgt Ion: 95 Resp: 2066900
Ion Ratio Lower Upper
95 100
174 72.8 56.3 84.5
175 5.1 4.0 6.0

