

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041424.D
 Acq On : 29 Jul 2024 11:32
 Operator : SY/MD
 Sample : P3356-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2DL

Quant Time: Jul 30 02:47:48 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)

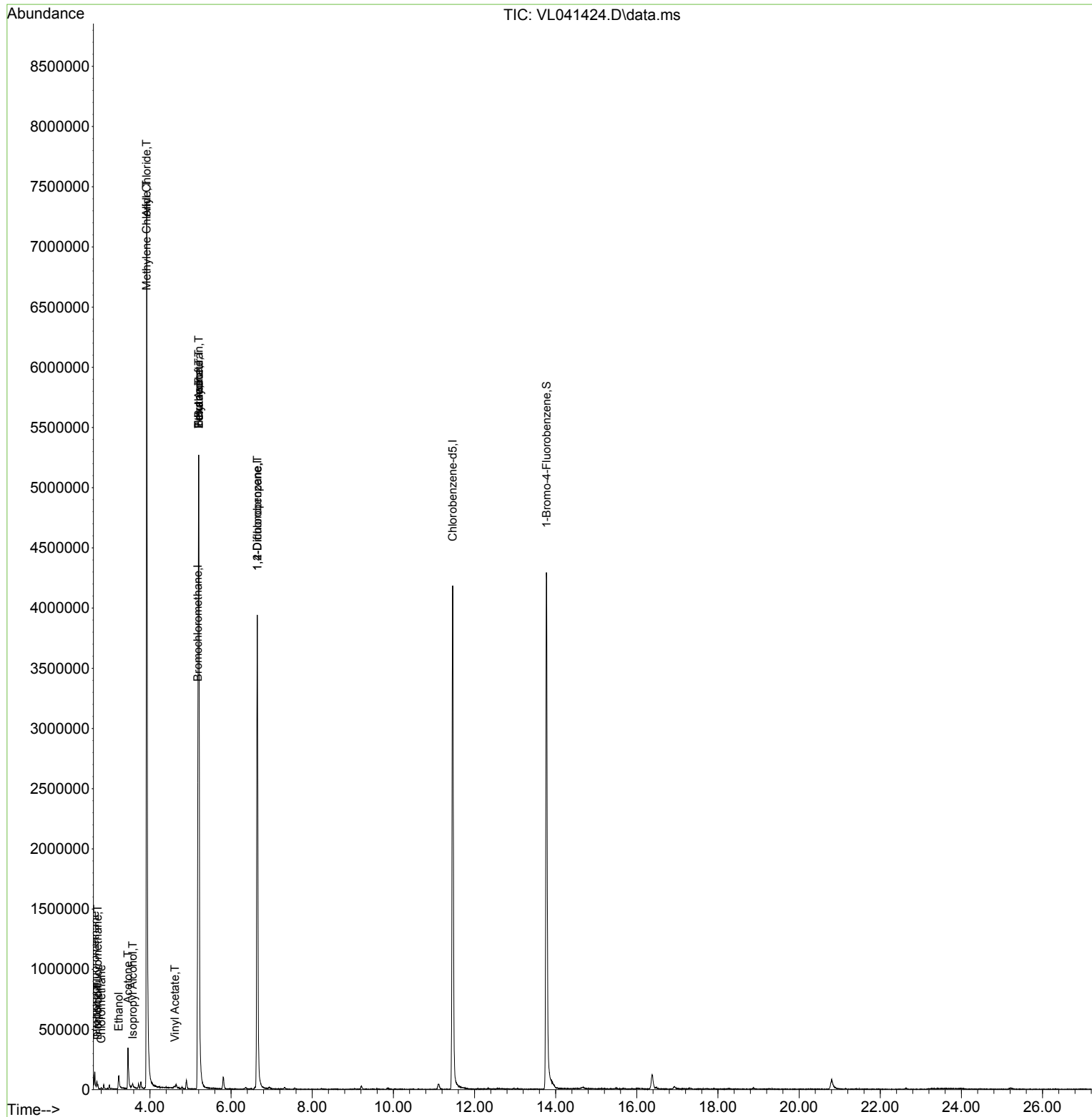
Internal Standards						
1) Bromochloromethane	5.182	49	1151179	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3026280	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2815773	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2157657	9.957	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	18664	0.094	ppbv	97
3) Chlorodifluoromethane	2.639	51	84905	0.620	ppbv #	64
4) Chloromethane	2.803	50	6524	0.090	ppbv #	79
9) Propene	2.690	41	11103	0.176	ppbv #	80
13) Ethanol	3.230	45	116843	20.766	ppbv	89
15) Acetone	3.459	43	334703	2.559	ppbv	99
19) Isopropyl Alcohol	3.574	45	30821	0.403	ppbv #	93
20) Methylene Chloride	3.922	84	2538402	52.043	ppbv	97
21) Allyl Chloride	3.918	41	101068	1.178	ppbv #	23
23) Vinyl Acetate	4.616	43	3182	0.032	ppbv #	45
25) Ethyl Acetate	5.205	43	1363900	5.249	ppbv #	76
26) Hexane	5.205	57	1942337	18.019	ppbv #	37
34) 2-Butanone	5.205	43	1354461	9.252	ppbv #	54
39) 1,2-Dichloropropane	6.645	63	746155	8.814	ppbv #	25
41) Tetrahydrofuran	5.205	42	740417	8.843	ppbv #	49

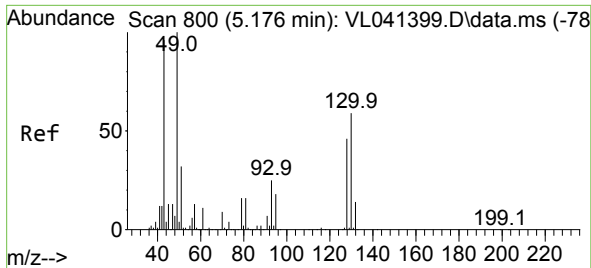
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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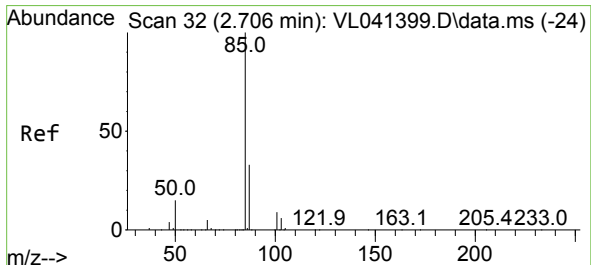
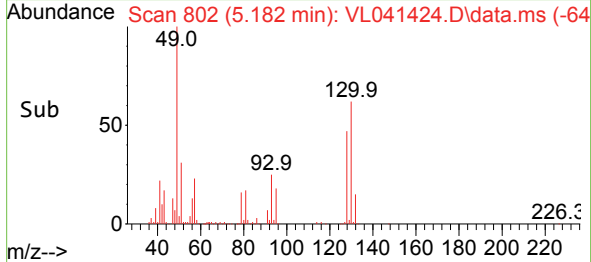
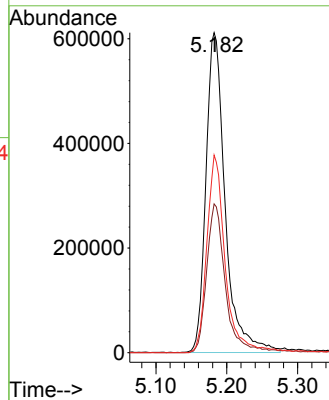
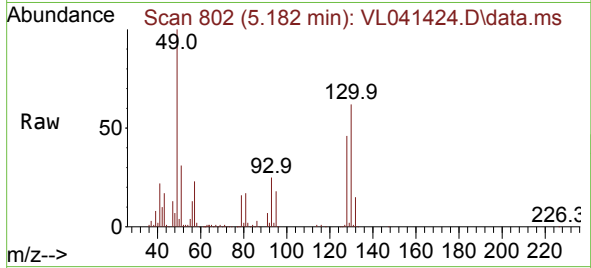




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

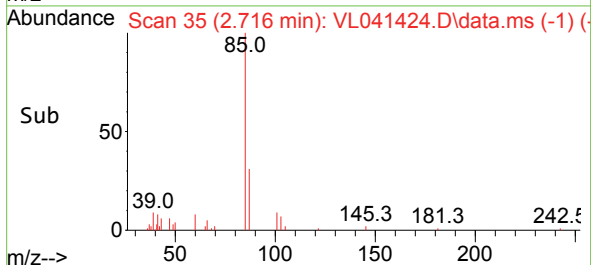
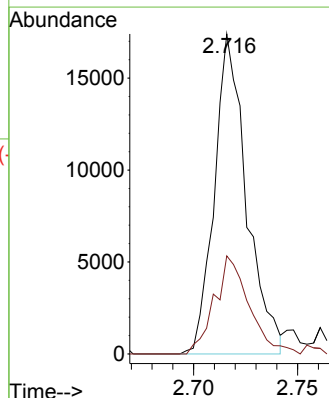
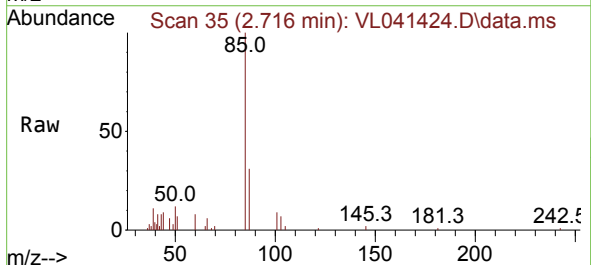
Instrument :
MSVOA_L
ClientSampleId :
2DL

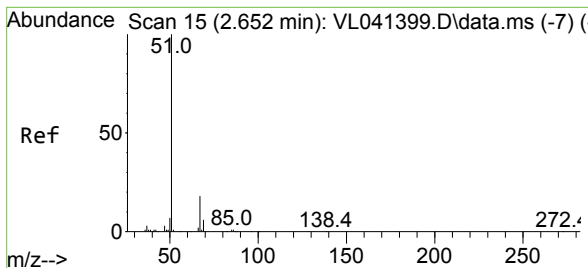
Tgt Ion: 49 Resp: 1151179
Ion Ratio Lower Upper
49 100
128 46.6 23.8 71.4
130 59.9 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.094 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.006 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 85 Resp: 18664
Ion Ratio Lower Upper
85 100
87 30.7 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.620 ppbv

RT: 2.639 min Scan# 11

Delta R.T. -0.016 min

Lab File: VL041424.D

Acq: 29 Jul 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

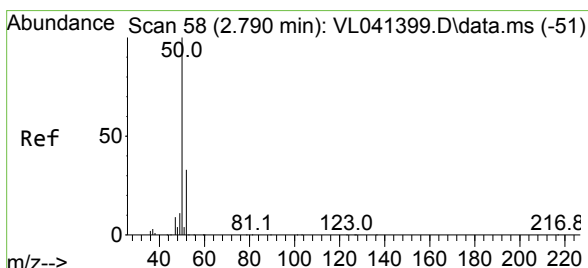
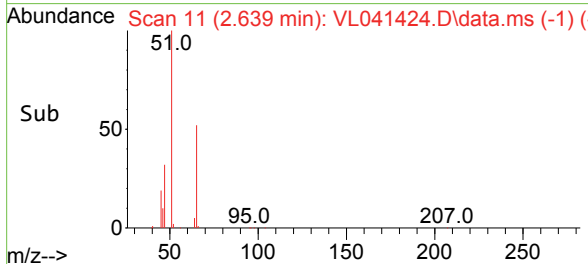
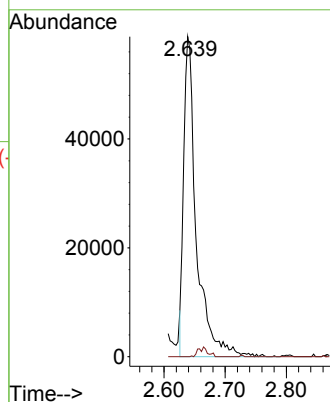
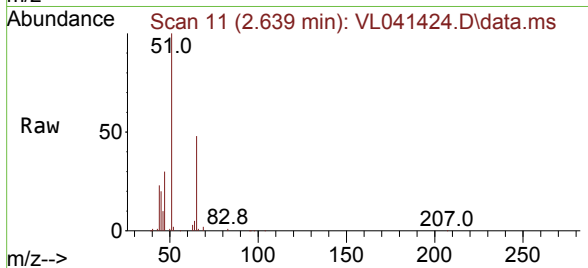
2DL

Tgt Ion: 51 Resp: 84905

Ion Ratio Lower Upper

51 100

67 2.2 14.5 21.7#



#4

Chloromethane

Concen: 0.090 ppbv

RT: 2.803 min Scan# 62

Delta R.T. 0.010 min

Lab File: VL041424.D

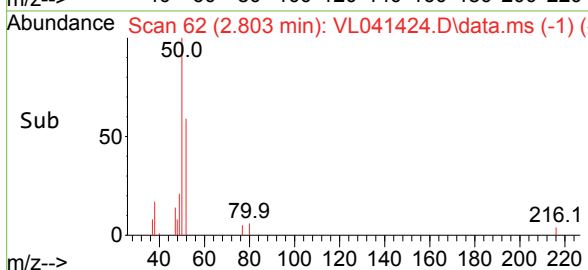
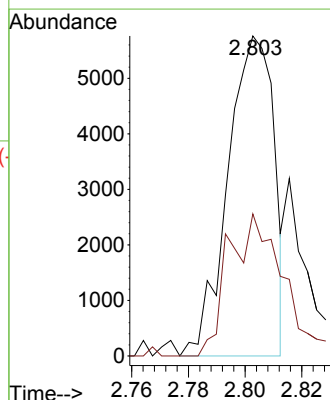
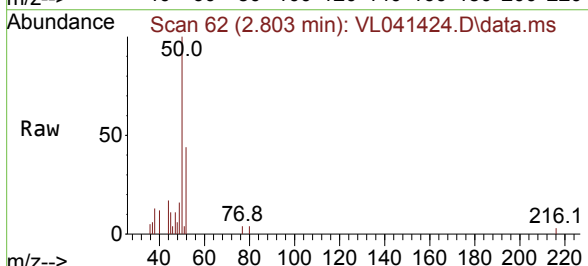
Acq: 29 Jul 2024 11:32

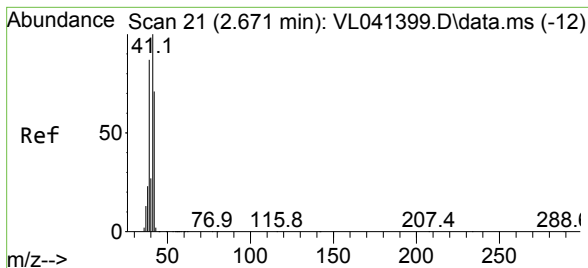
Tgt Ion: 50 Resp: 6524

Ion Ratio Lower Upper

50 100

52 44.4 26.1 39.1#





#9

Propene

Concen: 0.176 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL041424.D

Acq: 29 Jul 2024 11:32

Instrument :

MSVOA_L

ClientSampleId :

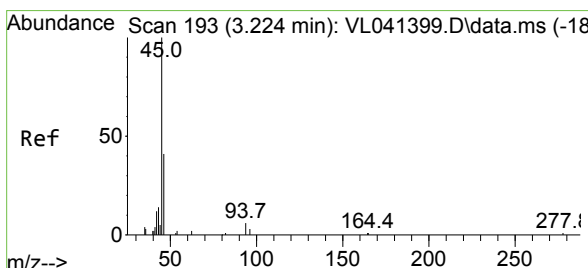
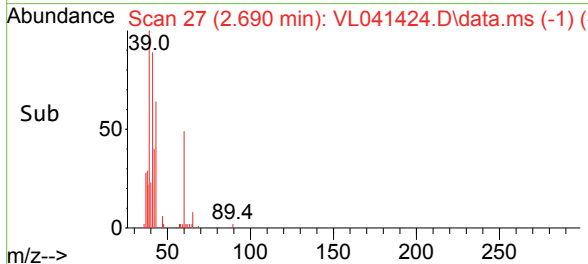
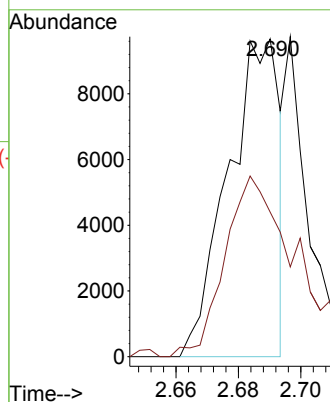
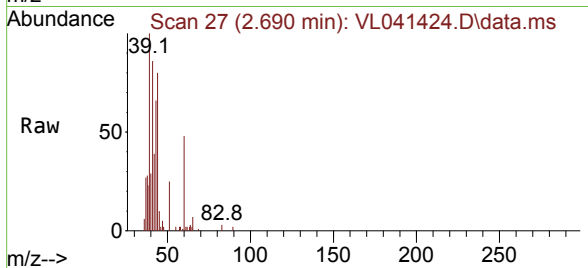
2DL

Tgt Ion: 41 Resp: 11103

Ion Ratio Lower Upper

41 100

42 86.2 55.9 83.9#



#13

Ethanol

Concen: 20.766 ppbv

RT: 3.230 min Scan# 195

Delta R.T. 0.003 min

Lab File: VL041424.D

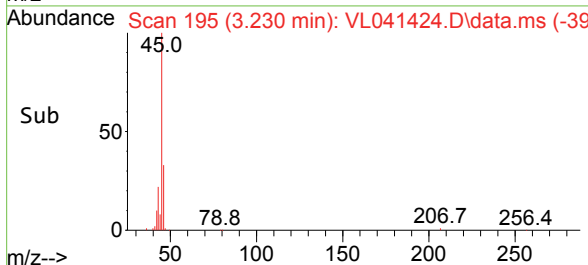
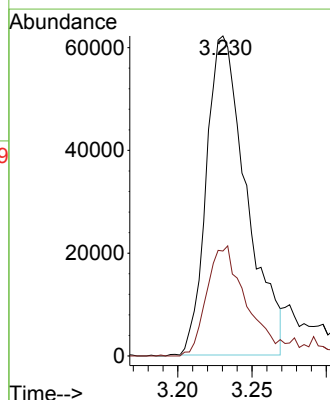
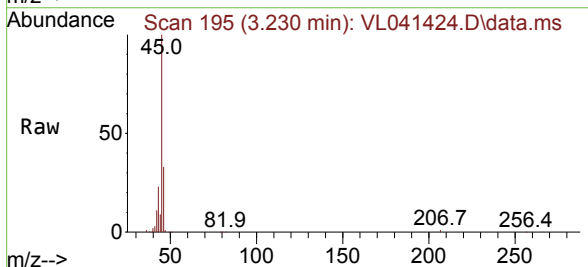
Acq: 29 Jul 2024 11:32

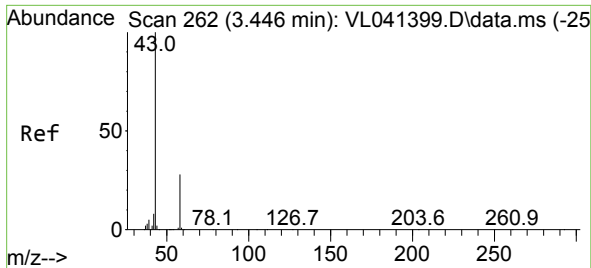
Tgt Ion: 45 Resp: 116843

Ion Ratio Lower Upper

45 100

46 39.6 13.4 53.4

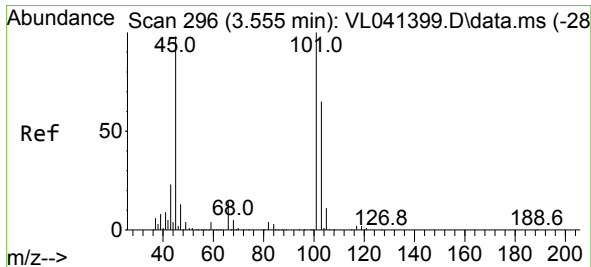
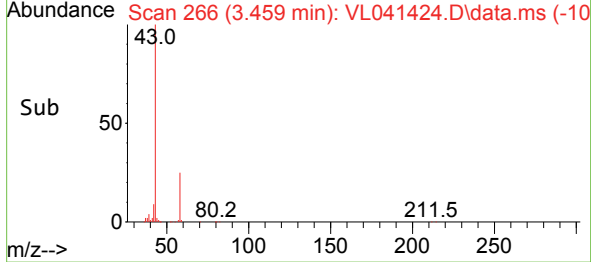
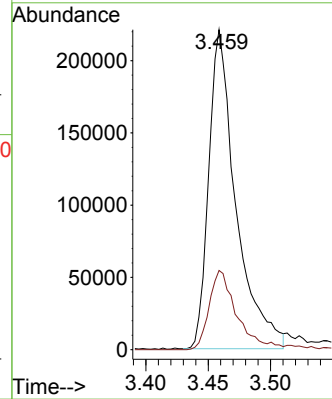
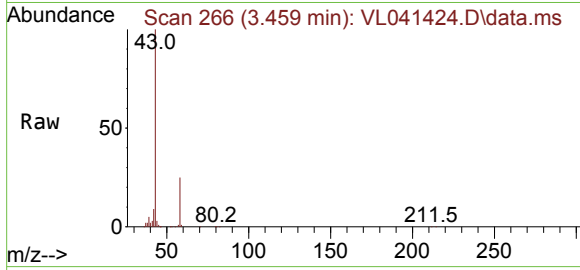




#15
Acetone
Concen: 2.559 ppbv
RT: 3.459 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

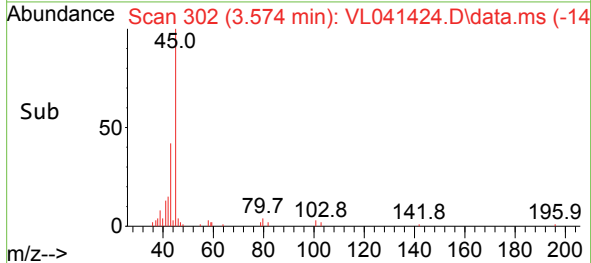
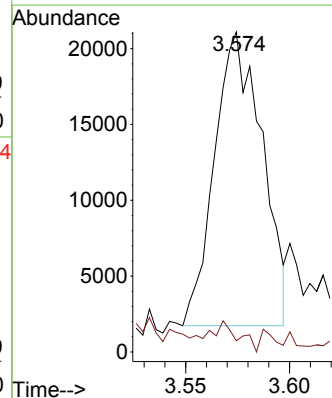
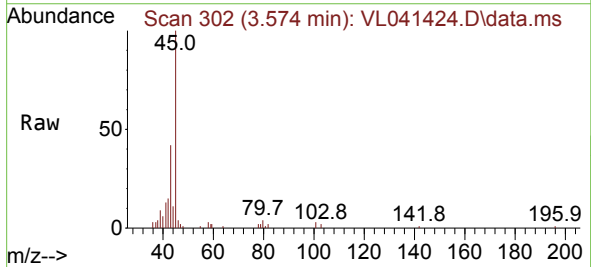
Instrument :
MSVOA_L
ClientSampleId :
2DL

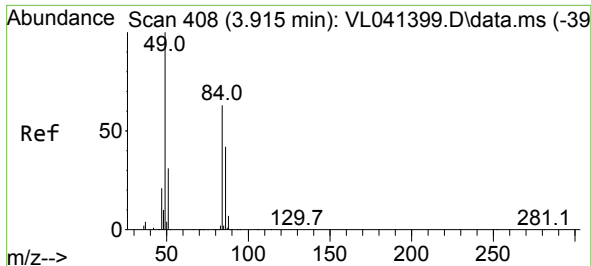
Tgt Ion: 43 Resp: 334703
Ion Ratio Lower Upper
43 100
58 26.5 21.4 32.2



#19
Isopropyl Alcohol
Concen: 0.403 ppbv
RT: 3.574 min Scan# 302
Delta R.T. 0.013 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 45 Resp: 30821
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9#



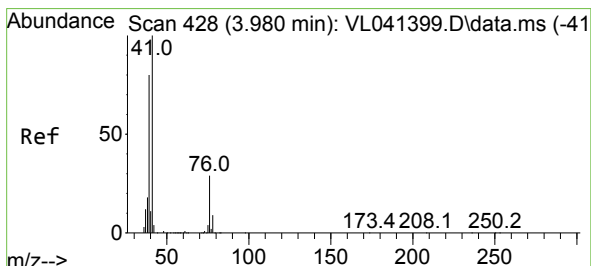
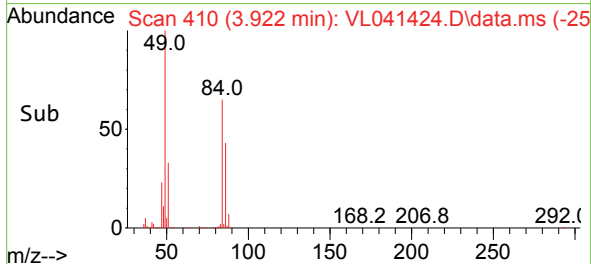
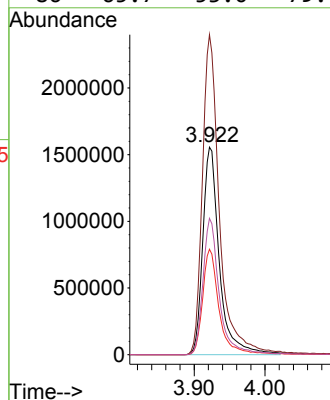
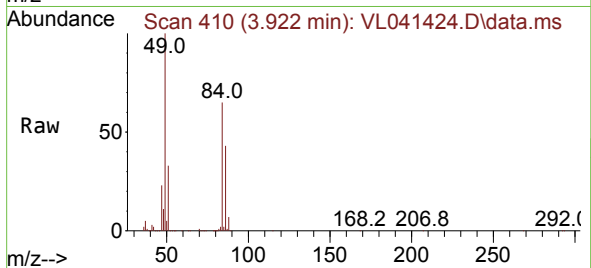


#20
Methylene Chloride
Concen: 52.043 ppbv
RT: 3.922 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Instrument :
MSVOA_L
ClientSampleId :
2DL

Tgt Ion: 84 Resp: 2538402

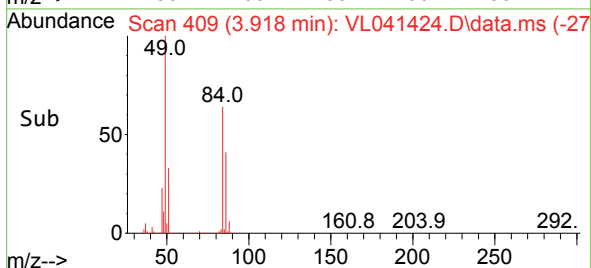
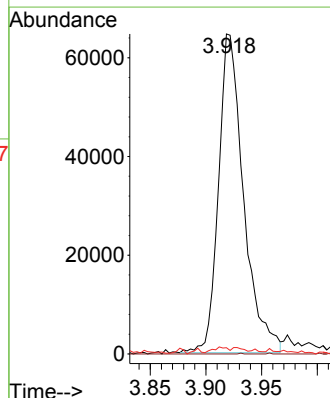
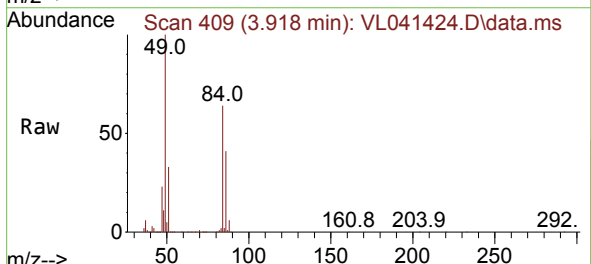
Ion	Ratio	Lower	Upper
84	100		
49	154.2	126.6	190.0
51	50.8	38.6	58.0
86	65.7	53.0	79.4

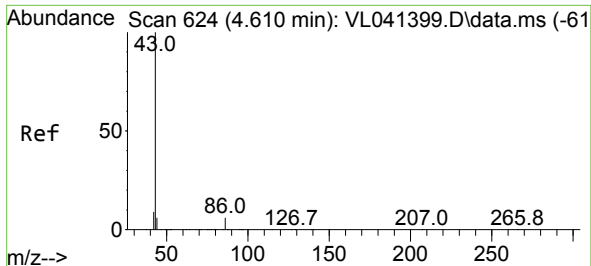


#21
Allyl Chloride
Concen: 1.178 ppbv
RT: 3.918 min Scan# 409
Delta R.T. -0.061 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 41 Resp: 101068

Ion	Ratio	Lower	Upper
41	100		
76	0.1	23.7	35.5#
39	4.5	64.3	96.5#

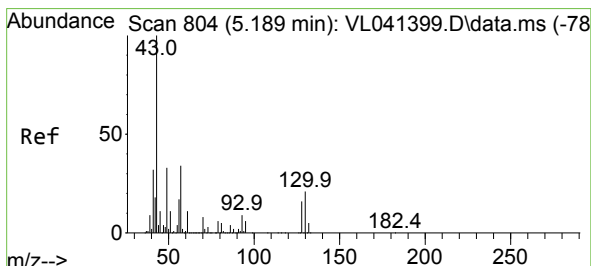
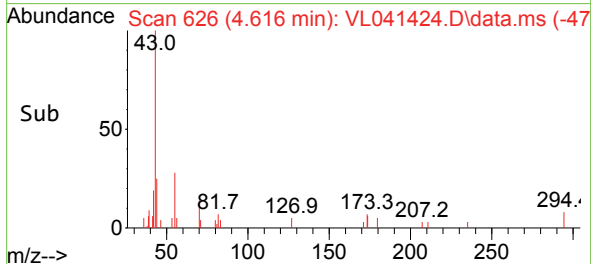
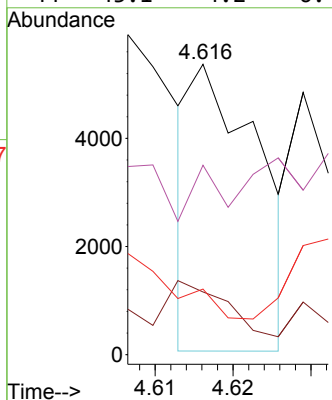
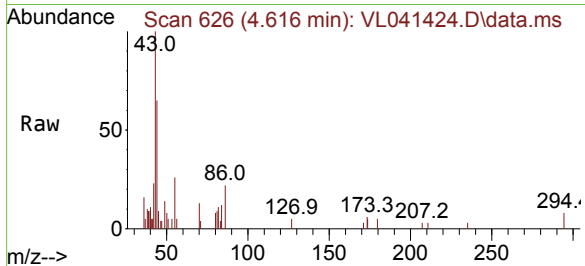




#23
 Vinyl Acetate
 Concen: 0.032 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041424.D
 Acq: 29 Jul 2024 11:32

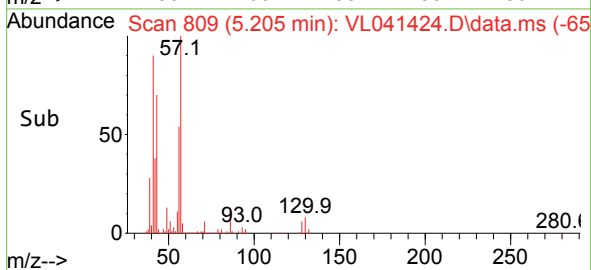
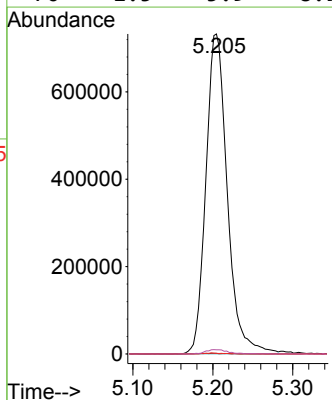
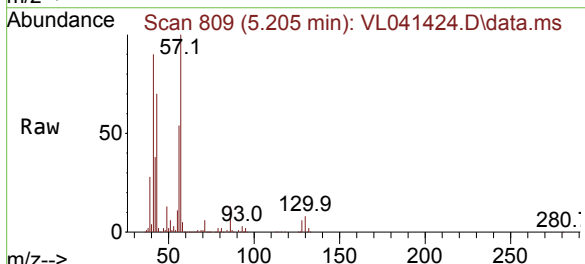
Instrument :
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 ClientSampleId :
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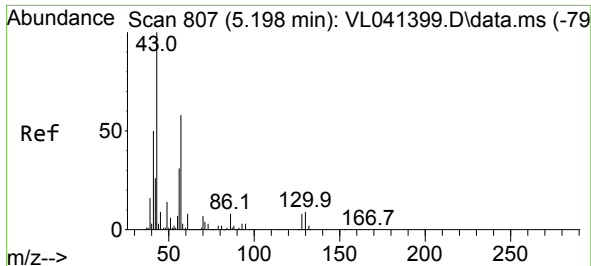
Tgt Ion: 43	Resp: 3182
Ion Ratio	Lower Upper
43 100	
86 34.3	4.6 6.8#
42 7.3	7.9 11.9#
44 43.1	4.2 6.4#



#25
 Ethyl Acetate
 Concen: 5.249 ppbv
 RT: 5.205 min Scan# 809
 Delta R.T. 0.013 min
 Lab File: VL041424.D
 Acq: 29 Jul 2024 11:32

Tgt Ion: 43	Resp: 1363900
Ion Ratio	Lower Upper
43 100	
45 0.3	8.5 12.7#
61 0.3	8.0 12.0#
70 1.5	5.9 8.9#

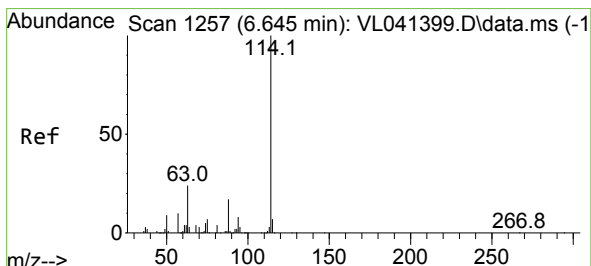
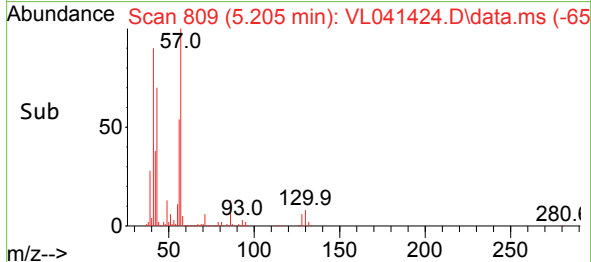
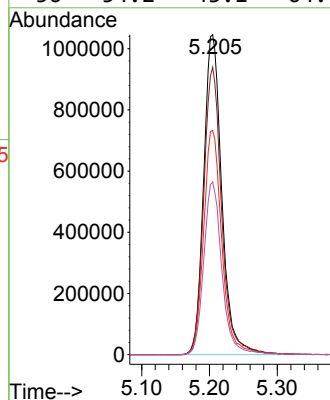
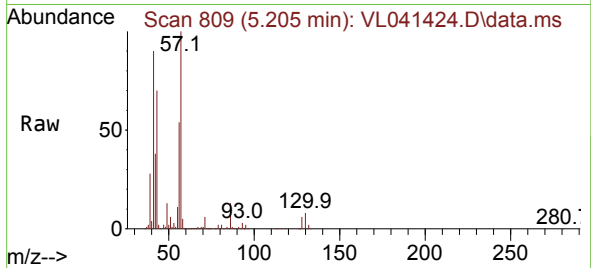




#26
Hexane
Concen: 18.019 ppbv
RT: 5.205 min Scan# 807
Delta R.T. 0.006 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

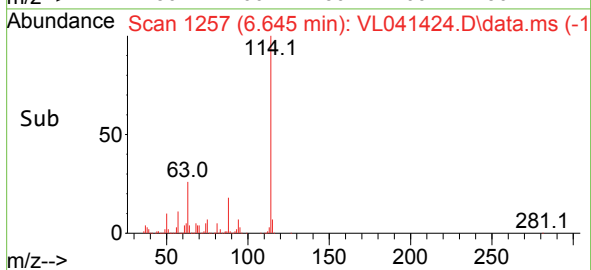
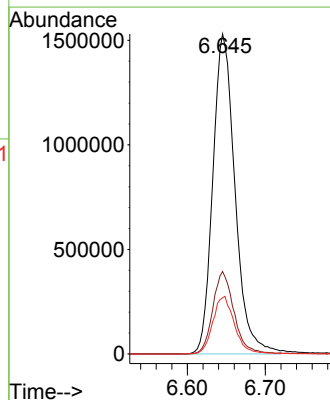
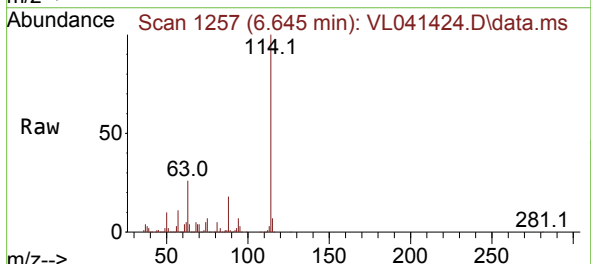
Instrument :
MSVOA_L
ClientSampleId :
2DL

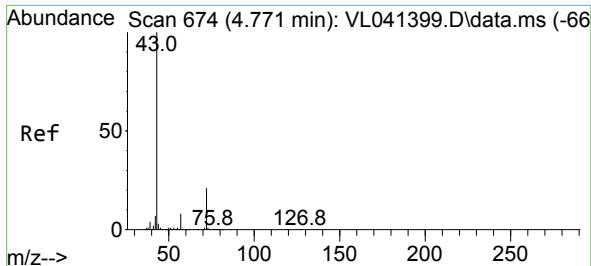
Tgt Ion: 57 Resp: 1942337
Ion Ratio Lower Upper
57 100
41 90.0 74.0 111.0
43 70.8 193.6 290.4#
56 54.2 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion:114 Resp: 3026280
Ion Ratio Lower Upper
114 100
63 25.0 20.3 30.5
88 17.8 14.3 21.5

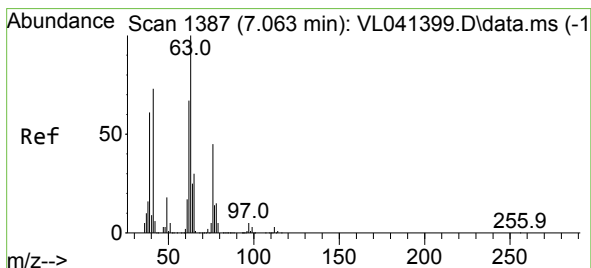
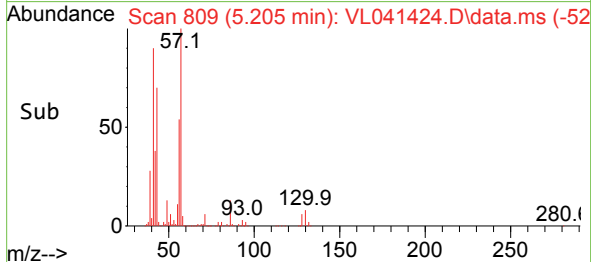
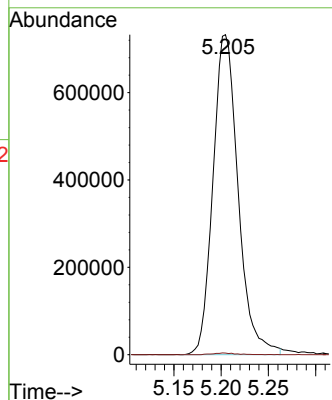
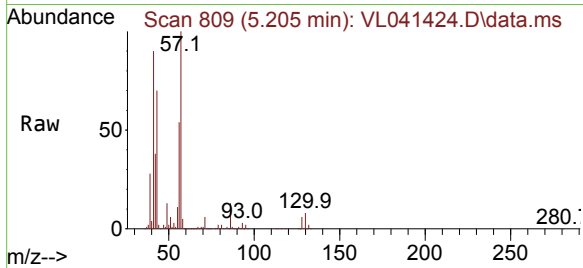




#34
2-Butanone
Concen: 9.252 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.431 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

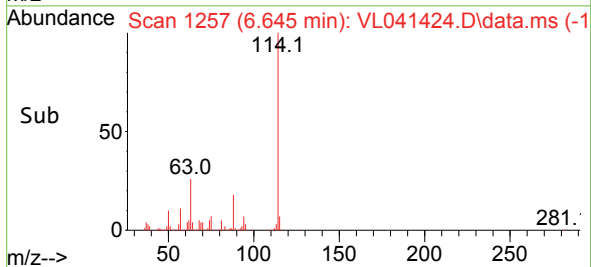
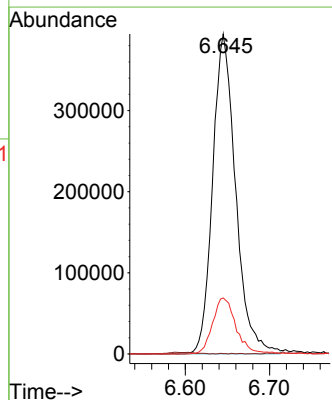
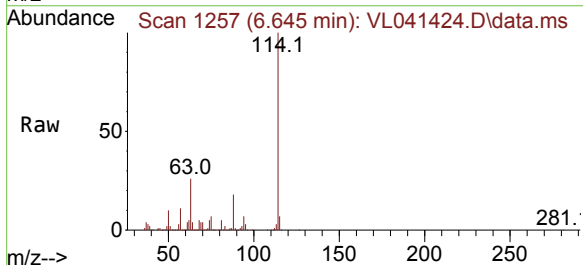
Instrument :
MSVOA_L
ClientSampleId :
2DL

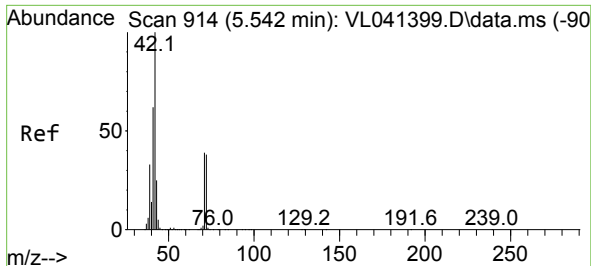
Tgt Ion: 43 Resp: 1354461
Ion Ratio Lower Upper
43 100
72 0.0 17.3 25.9#



#39
1,2-Dichloropropane
Concen: 8.814 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.418 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

Tgt Ion: 63 Resp: 746155
Ion Ratio Lower Upper
63 100
41 0.0 58.3 87.5#
62 17.5 53.9 80.9#

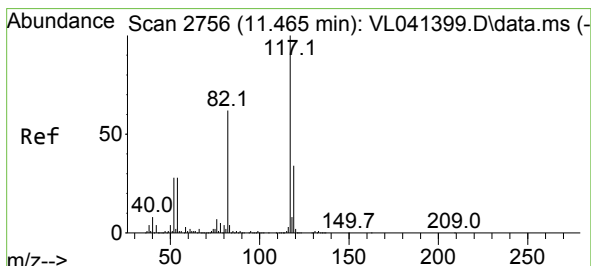
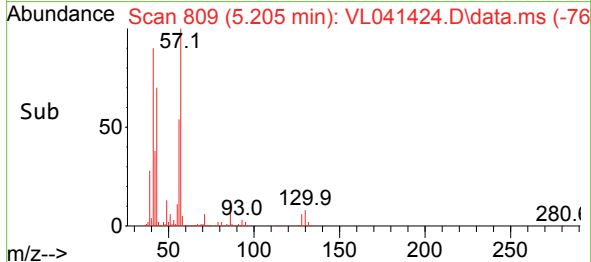
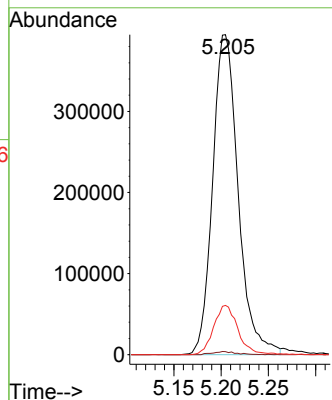
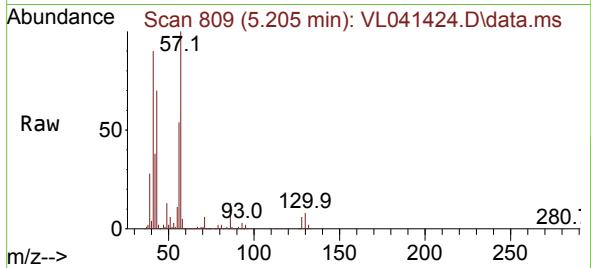




#41
Tetrahydrofuran
Concen: 8.843 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.341 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

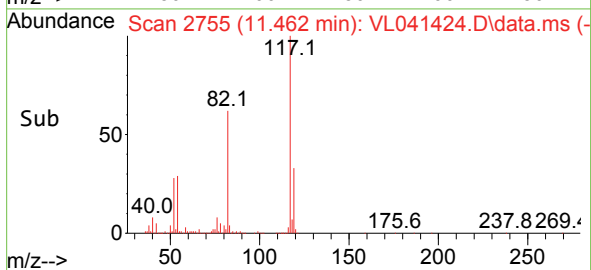
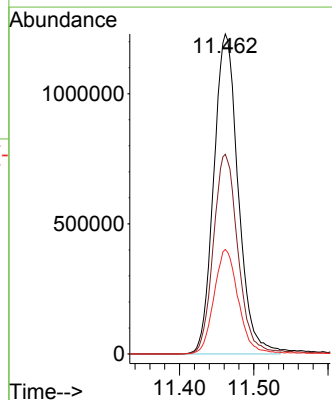
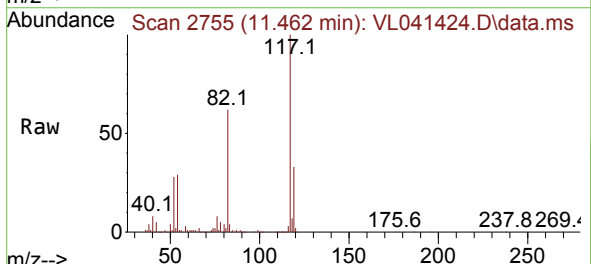
Instrument :
MSVOA_L
ClientSampleId :
2DL

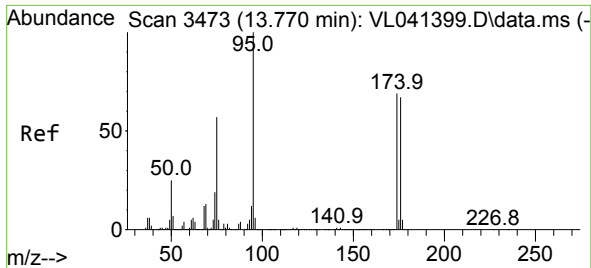
Tgt Ion: 42 Resp: 740417
Ion Ratio Lower Upper
42 100
72 0.9 31.2 46.8#
71 14.8 30.5 45.7#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.003 min
Lab File: VL041424.D
Acq: 29 Jul 2024 11:32

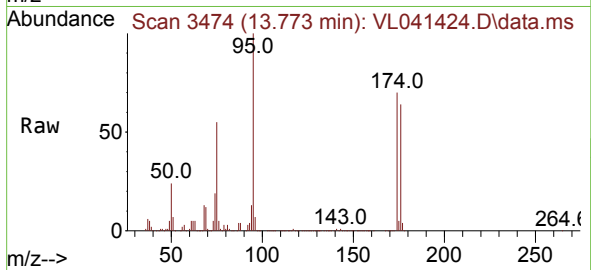
Tgt Ion: 117 Resp: 2815773
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 33.0 45.2 67.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.957 ppbv
 RT: 13.773 min Scan# 34
 Delta R.T. -0.000 min
 Lab File: VL041424.D
 Acq: 29 Jul 2024 11:32

Instrument :
 MSVOA_L
 ClientSampleId :
 2DL



Tgt Ion: 95 Resp: 2157657
 Ion Ratio Lower Upper
 95 100
 174 71.5 56.3 84.5
 175 5.0 4.0 6.0

