

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041326.D
 Acq On : 5 Jun 2024 14:04
 Operator : SY/MD
 Sample : P2673-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 06 04:39:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

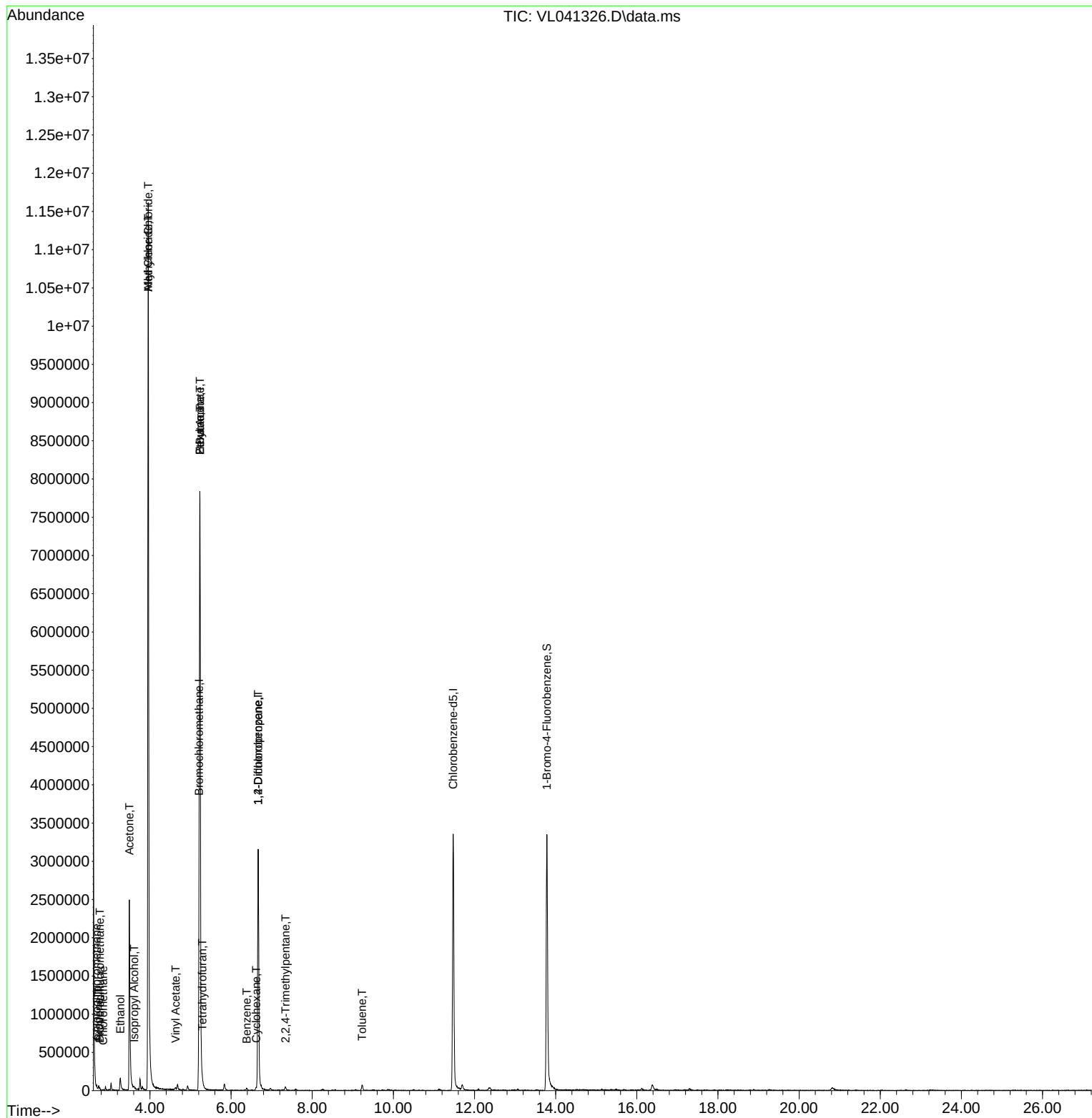
Internal Standards						
1) Bromochloromethane	5.211	49	932867	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2399593	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2190768	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1717180	10.152	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.764	85	19202	0.129	ppbv	96
3) Chlorodifluoromethane	2.684	51	39591	0.269	ppbv #	75
4) Chloromethane	2.844	50	8157	0.147	ppbv	89
9) Propene	2.735	41	11175	0.213	ppbv	85
13) Ethanol	3.269	45	176207	12.899	ppbv	98
15) Acetone	3.494	43	2537071	23.820	ppbv	99
19) Isopropyl Alcohol	3.613	45	18121	0.271	ppbv #	95
20) Methylene Chloride	3.957	84	3907079	100.925	ppbv	91
21) Allyl Chloride	3.957	41	164313	2.435	ppbv #	23
23) Vinyl Acetate	4.632	43	11651	0.107	ppbv #	1
25) Ethyl Acetate	5.233	43	2215163	10.513	ppbv #	77
26) Hexane	5.233	57	3119298	32.919	ppbv #	40
30) Cyclohexane	6.619	84	3336	0.043	ppbv #	1
34) 2-Butanone	5.233	43	2192591	19.073	ppbv #	55
36) Benzene	6.385	78	16224	0.087	ppbv	99
39) 1,2-Dichloropropane	6.667	63	609277	8.227	ppbv #	25
41) Tetrahydrofuran	5.291	42	11850	0.158	ppbv #	37
44) 2,2,4-Trimethylpentane	7.339	57	16364	0.051	ppbv #	1
53) Toluene	9.230	91	43685	0.204	ppbv	90

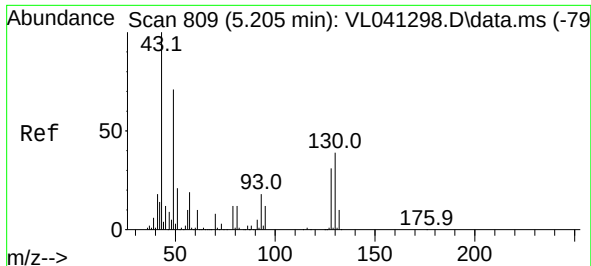
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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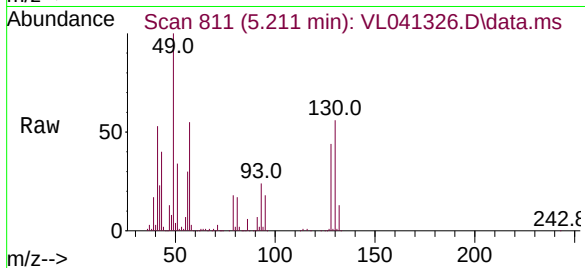
Quant Time: Jun 06 04:39:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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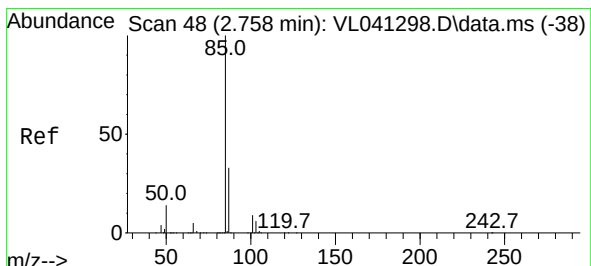
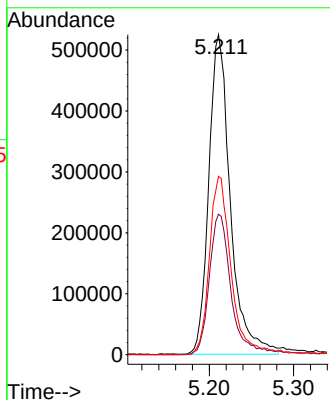
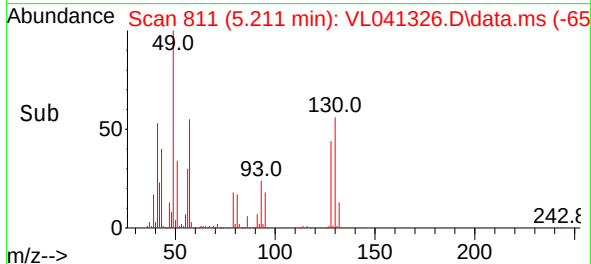


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL041326.D
 Acq: 5 Jun 2024 14:04

Instrument :
 MSVOA_L
 ClientSampleId :

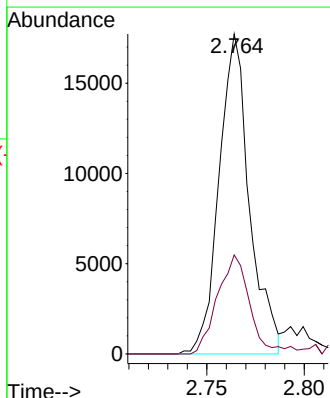
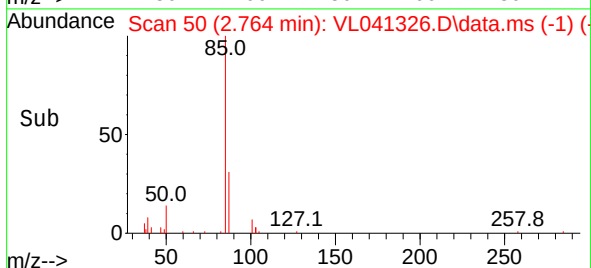
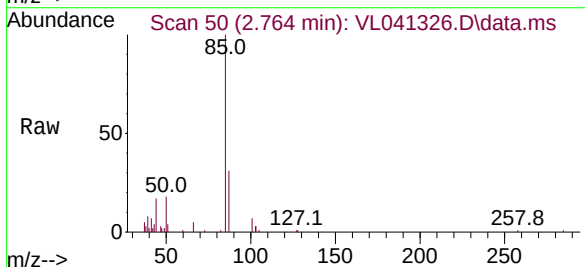


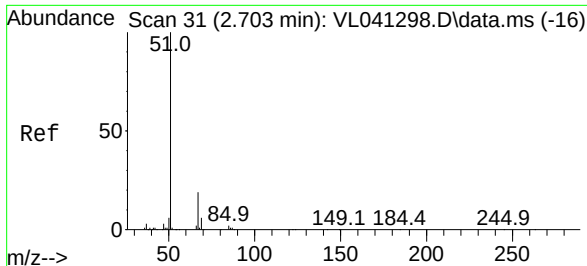
Tgt Ion: 49 Resp: 932867
 Ion Ratio Lower Upper
 49 100
 128 45.7 22.8 68.3
 130 57.6 28.4 85.3



#2
 Dichlorodifluoromethane
 Concen: 0.129 ppbv
 RT: 2.764 min Scan# 50
 Delta R.T. 0.006 min
 Lab File: VL041326.D
 Acq: 5 Jun 2024 14:04

Tgt Ion: 85 Resp: 19202
 Ion Ratio Lower Upper
 85 100
 87 30.9 26.5 39.7

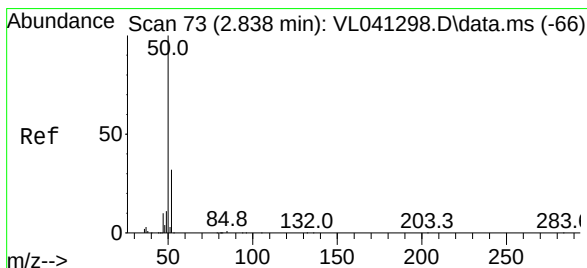
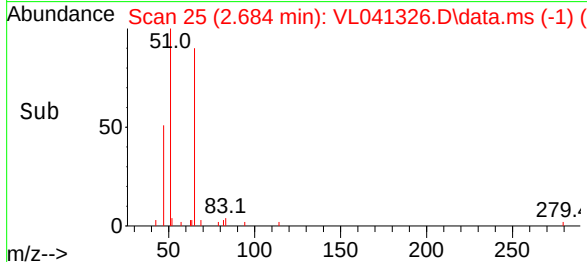
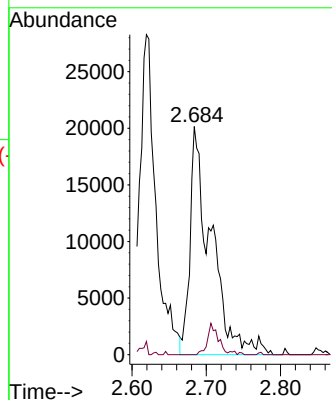
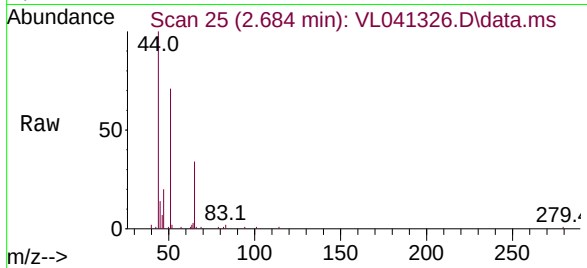




#3
Chlorodifluoromethane
Concen: 0.269 ppbv
RT: 2.684 min Scan# 24
Delta R.T. -0.019 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

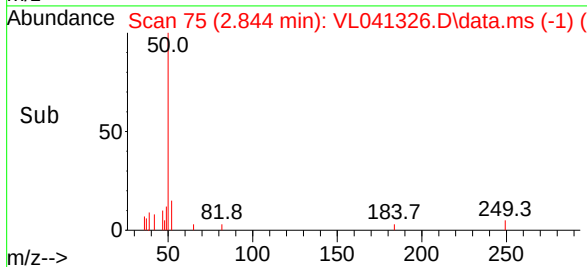
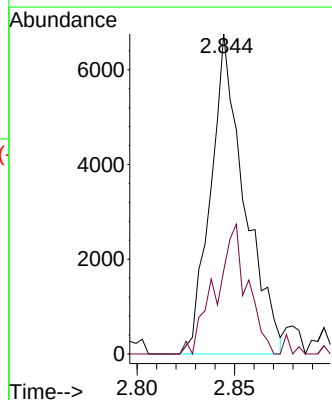
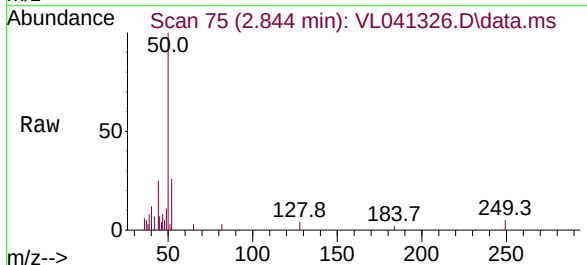
Instrument :
MSVOA_L
ClientSampleId :

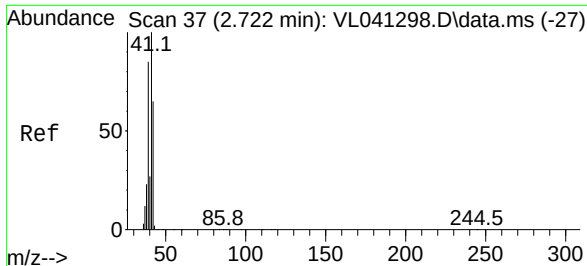
Tgt Ion: 51 Resp: 39591
Ion Ratio Lower Upper
51 100
67 7.4 14.7 22.1#



#4
Chloromethane
Concen: 0.147 ppbv
RT: 2.844 min Scan# 75
Delta R.T. 0.006 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

Tgt Ion: 50 Resp: 8157
Ion Ratio Lower Upper
50 100
52 26.1 25.6 38.4





#9

Propene

Concen: 0.213 ppbv

RT: 2.735 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

Instrument :

MSVOA_L

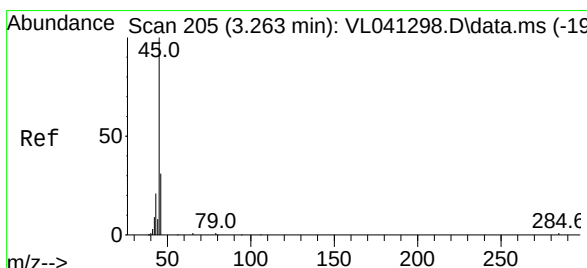
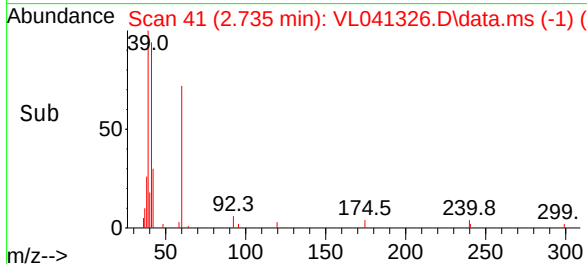
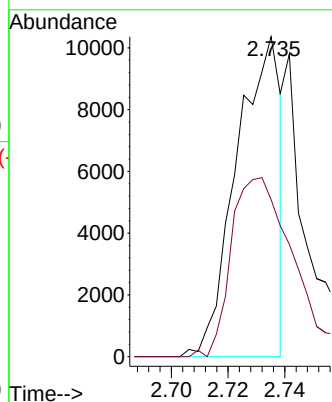
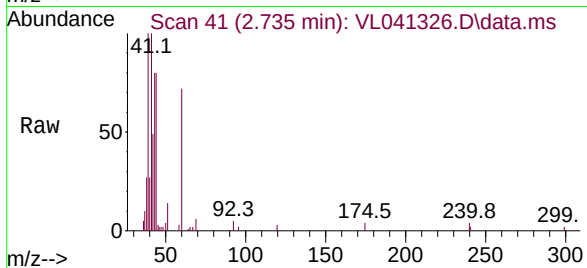
ClientSampleId :

Tgt Ion: 41 Resp: 11175

Ion Ratio Lower Upper

41 100

42 80.8 55.2 82.8



#13

Ethanol

Concen: 12.899 ppbv

RT: 3.269 min Scan# 207

Delta R.T. 0.006 min

Lab File: VL041326.D

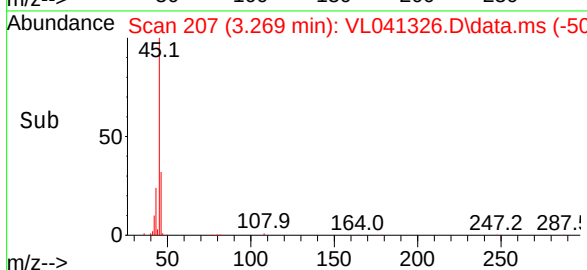
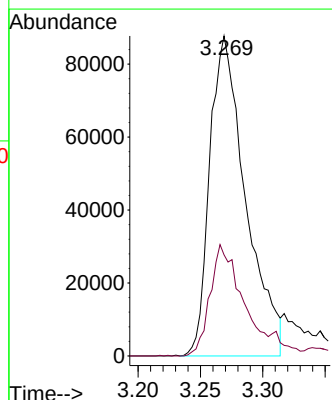
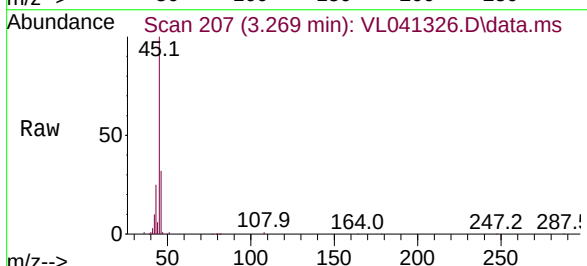
Acq: 5 Jun 2024 14:04

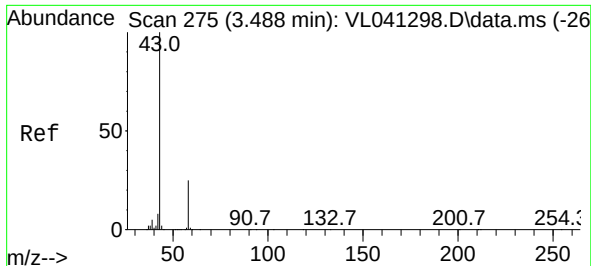
Tgt Ion: 45 Resp: 176207

Ion Ratio Lower Upper

45 100

46 36.4 14.2 56.6

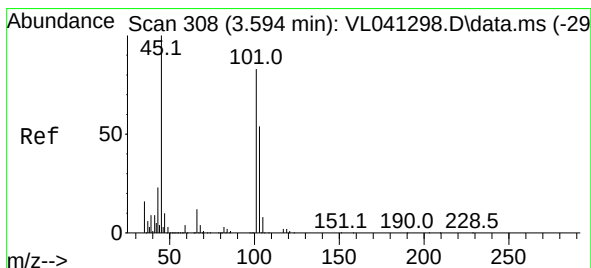
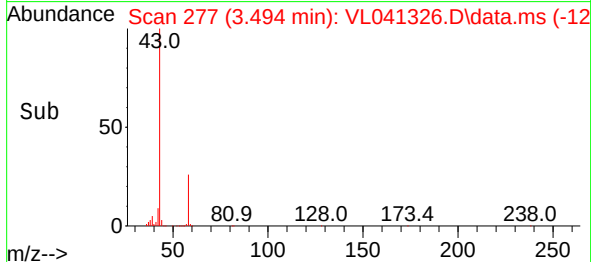
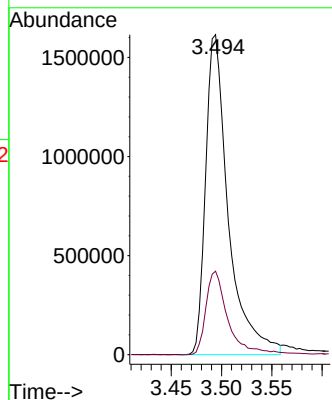
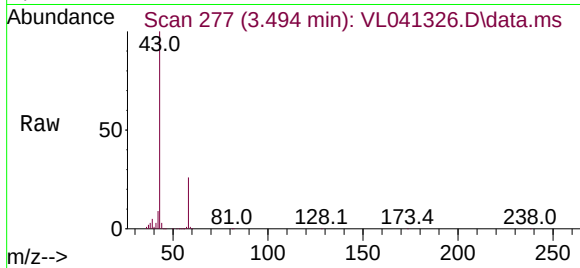




#15
Acetone
Concen: 23.820 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

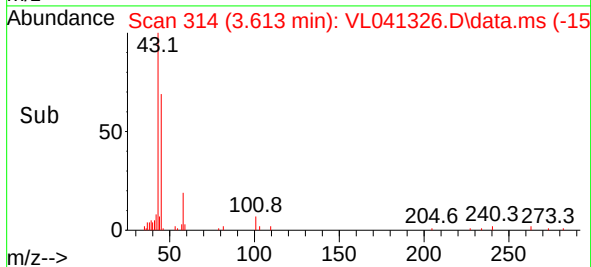
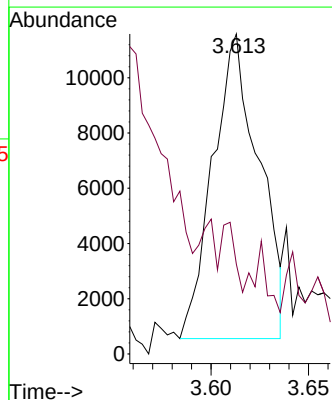
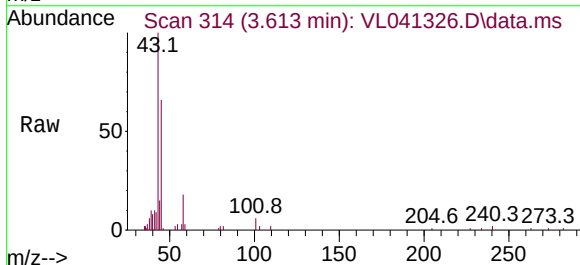
Instrument :
MSVOA_L
ClientSampleId :

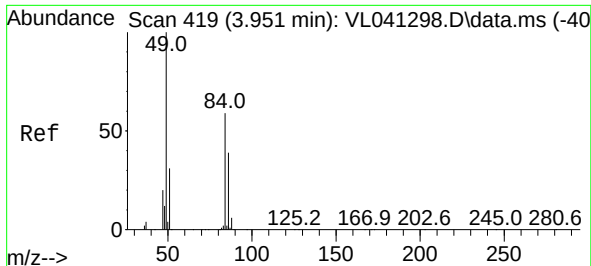
Tgt Ion: 43 Resp: 2537071
Ion Ratio Lower Upper
43 100
58 26.2 20.6 31.0



#19
Isopropyl Alcohol
Concen: 0.271 ppbv
RT: 3.613 min Scan# 314
Delta R.T. 0.019 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

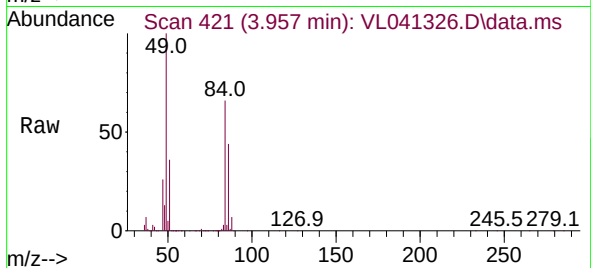
Tgt Ion: 45 Resp: 18121
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2#





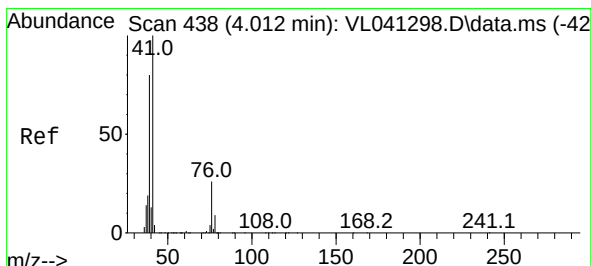
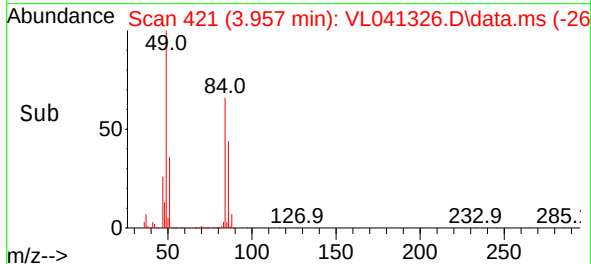
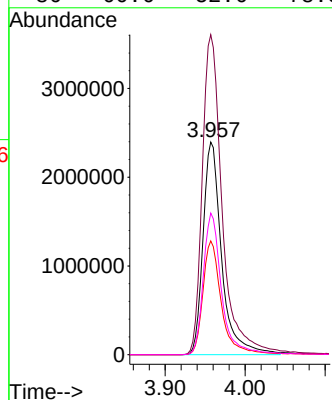
#20
Methylene Chloride
Concen: 100.925 ppbv
RT: 3.957 min Scan# 419
Delta R.T. 0.006 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 3907079

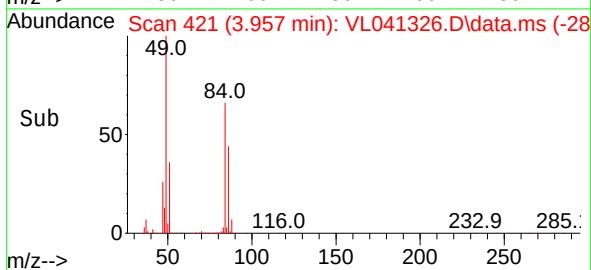
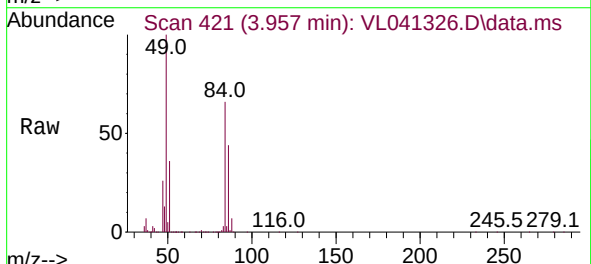
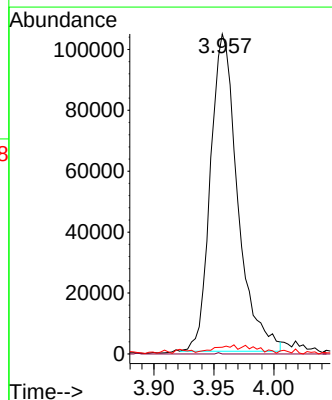
Ion	Ratio	Lower	Upper
84	100		
49	150.4	136.2	204.2
51	53.5	41.9	62.9
86	66.6	52.6	78.8

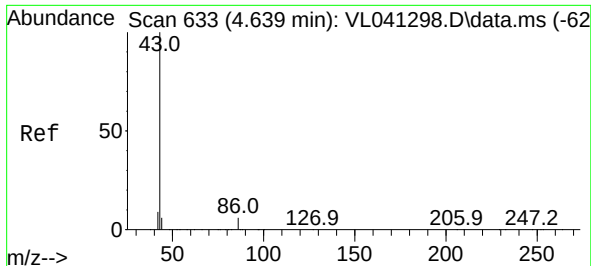


#21
Allyl Chloride
Concen: 2.435 ppbv
RT: 3.957 min Scan# 421
Delta R.T. -0.055 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

Tgt Ion: 41 Resp: 164313

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.3	33.5#
39	6.4	66.3	99.5#





#23

Vinyl Acetate

Concen: 0.107 ppbv

RT: 4.632 min Scan# 61

Delta R.T. -0.007 min

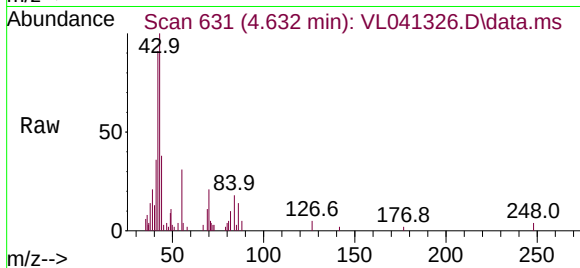
Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 11651

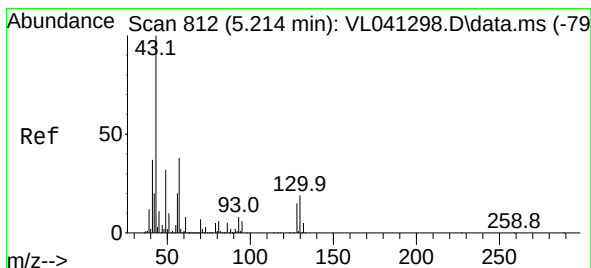
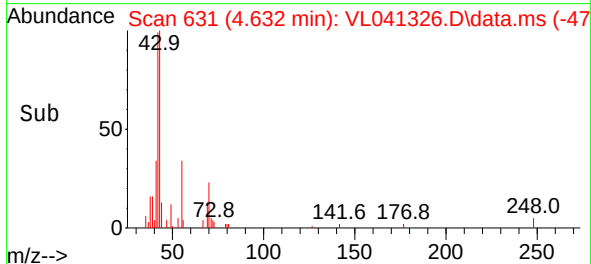
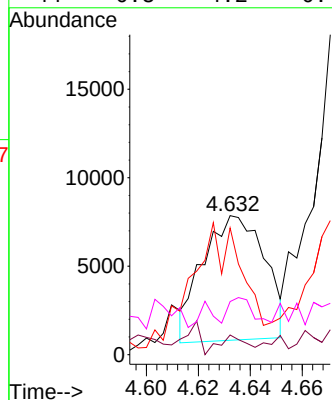
Ion Ratio Lower Upper

43 100

86 4.4 4.7 7.1#

42 95.1 8.0 12.0#

44 6.3 4.2 6.4



#25

Ethyl Acetate

Concen: 10.513 ppbv

RT: 5.233 min Scan# 818

Delta R.T. 0.019 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

Tgt Ion: 43 Resp: 2215163

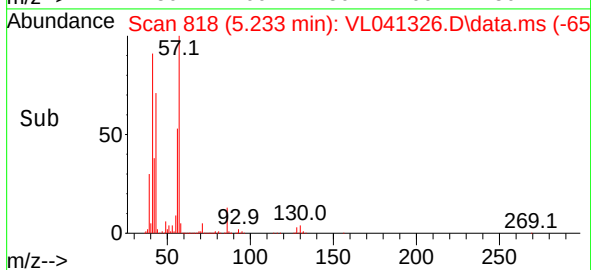
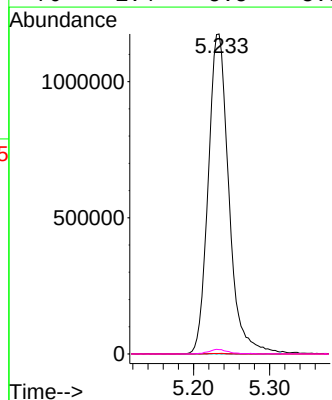
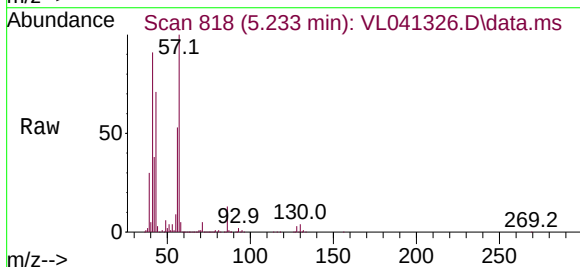
Ion Ratio Lower Upper

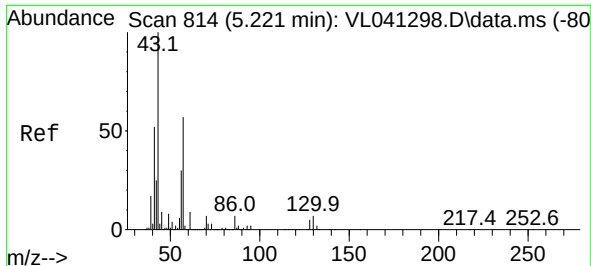
43 100

45 0.1 8.1 12.1#

61 0.1 7.4 11.0#

70 1.4 5.5 8.3#





#26

Hexane

Concen: 32.919 ppbv

RT: 5.233 min Scan# 81

Delta R.T. 0.013 min

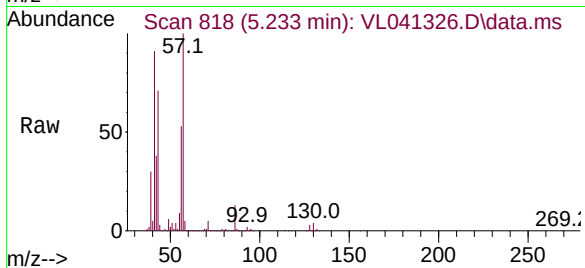
Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 57 Resp: 3119298

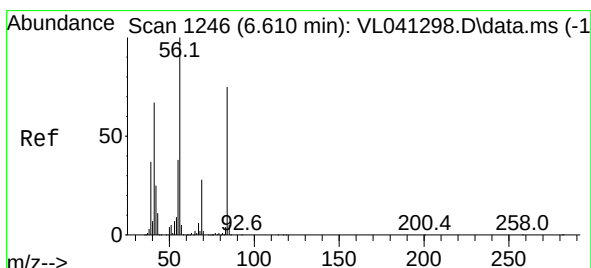
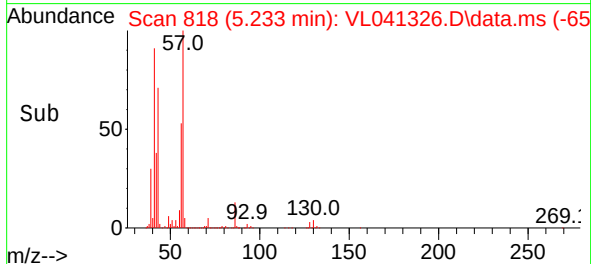
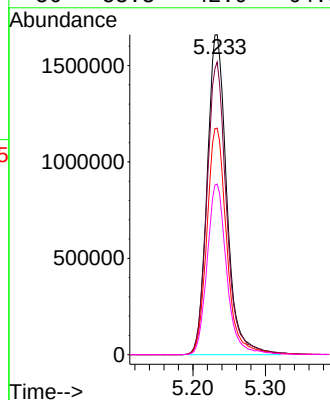
Ion Ratio Lower Upper

57 100

41 91.8 77.1 115.7

43 71.6 186.1 279.1#

56 53.3 42.9 64.3



#30

Cyclohexane

Concen: 0.043 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. 0.010 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

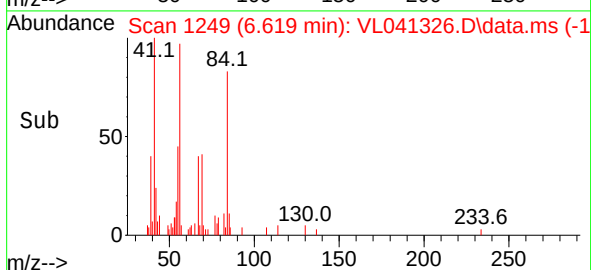
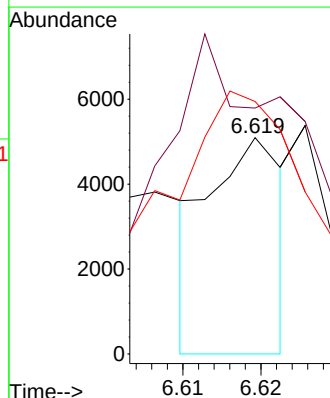
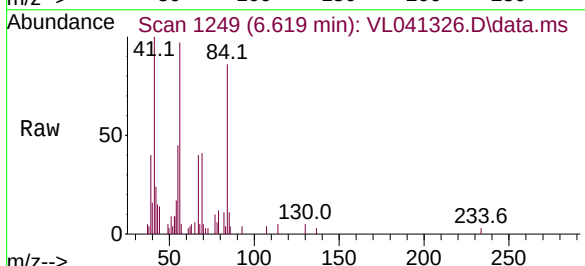
Tgt Ion: 84 Resp: 3336

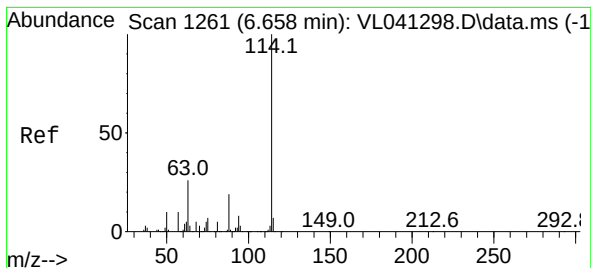
Ion Ratio Lower Upper

84 100

56 0.0 114.9 172.3#

41 391.3 74.4 111.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.667 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

Instrument :

MSVOA_L

ClientSampleId :

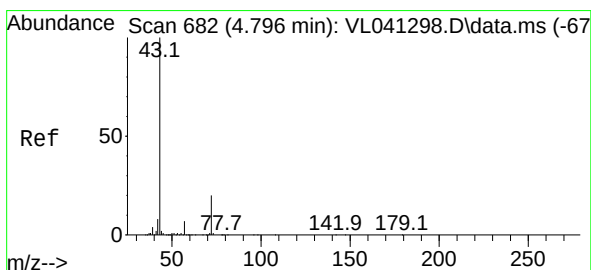
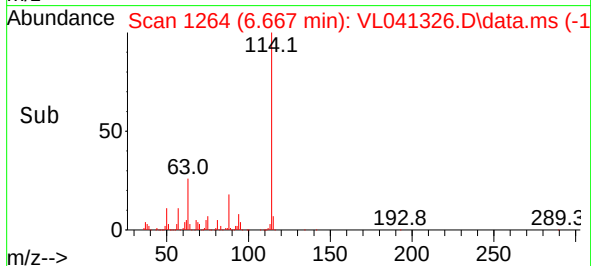
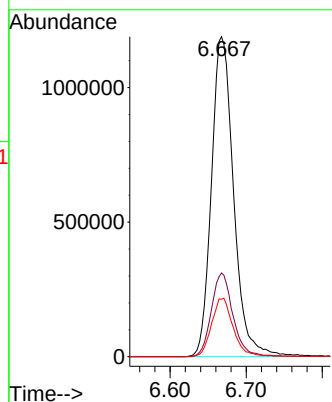
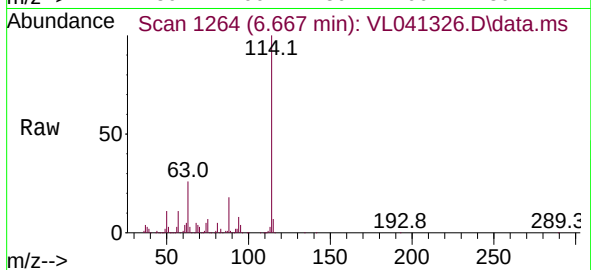
Tgt Ion:114 Resp: 2399593

Ion Ratio Lower Upper

114 100

63 25.8 20.6 30.8

88 18.0 14.5 21.7



#34

2-Butanone

Concen: 19.073 ppbv

RT: 5.233 min Scan# 818

Delta R.T. 0.437 min

Lab File: VL041326.D

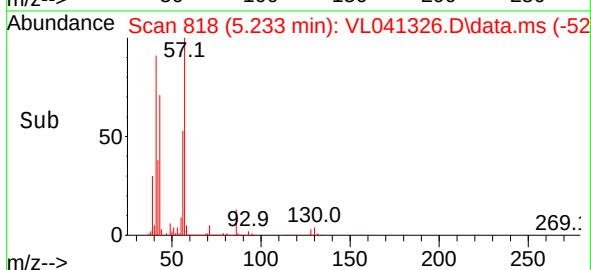
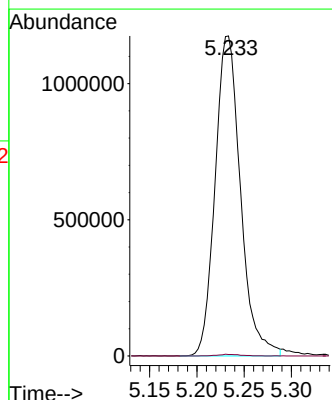
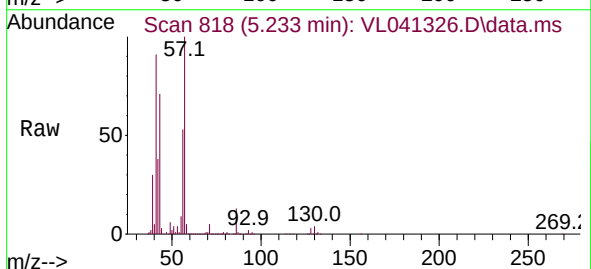
Acq: 5 Jun 2024 14:04

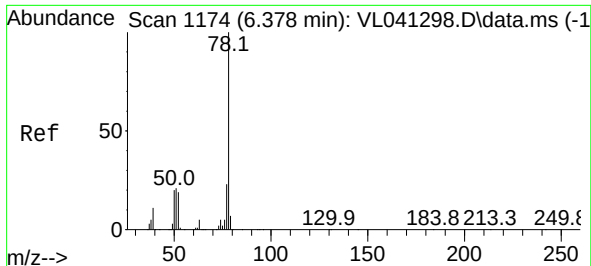
Tgt Ion: 43 Resp: 2192591

Ion Ratio Lower Upper

43 100

72 0.5 17.4 26.0#





#36

Benzene

Concen: 0.087 ppbv

RT: 6.385 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

Instrument :

MSVOA_L

ClientSampleId :

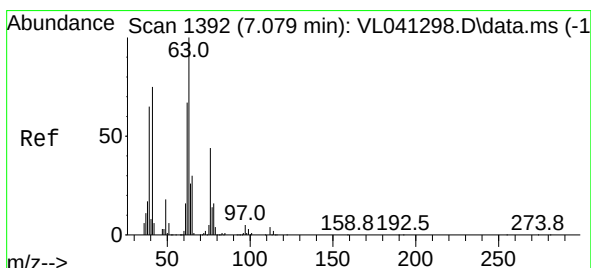
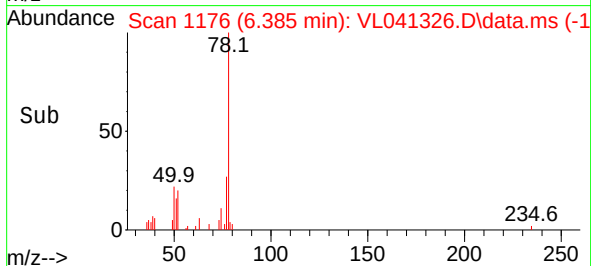
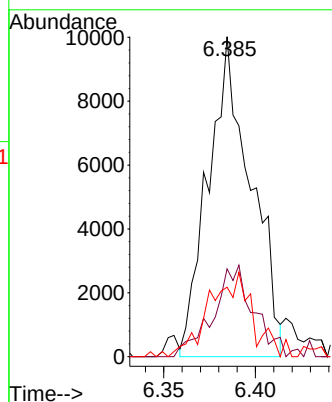
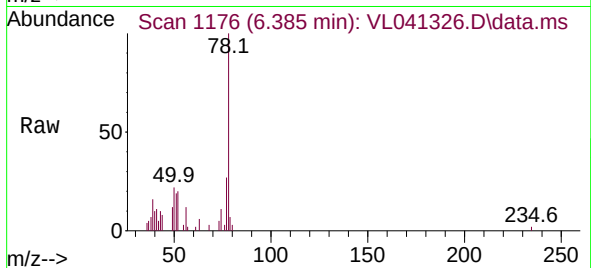
Tgt Ion: 78 Resp: 16224

Ion Ratio Lower Upper

78 100

77 23.4 18.6 28.0

50 20.8 16.0 24.0



#39

1,2-Dichloropropane

Concen: 8.227 ppbv

RT: 6.667 min Scan# 1264

Delta R.T. -0.412 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

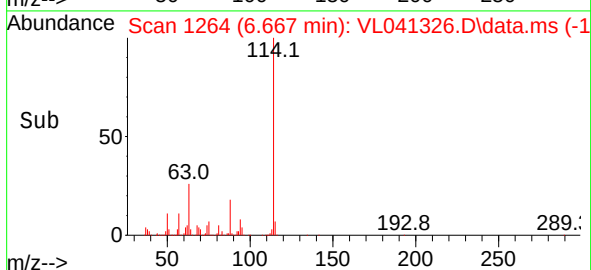
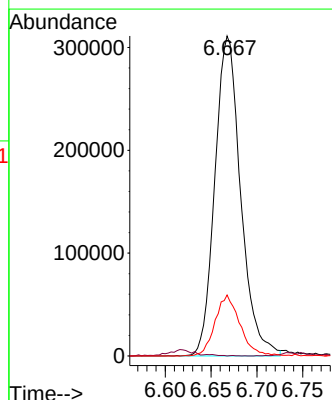
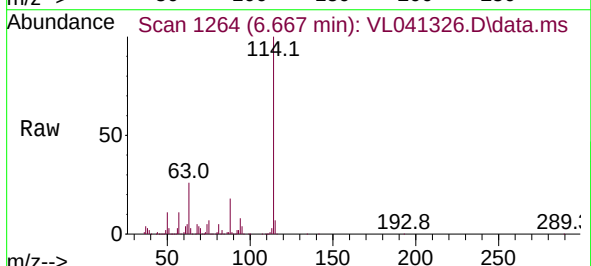
Tgt Ion: 63 Resp: 609277

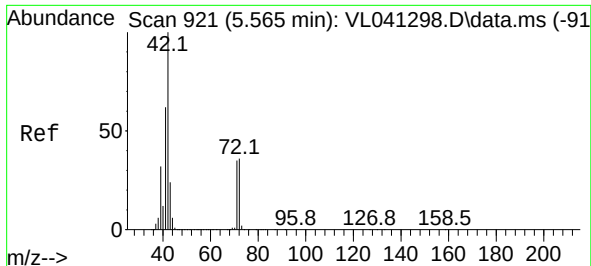
Ion Ratio Lower Upper

63 100

41 0.0 59.9 89.9#

62 19.1 53.8 80.6#

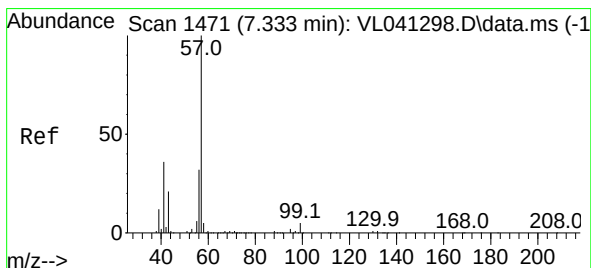
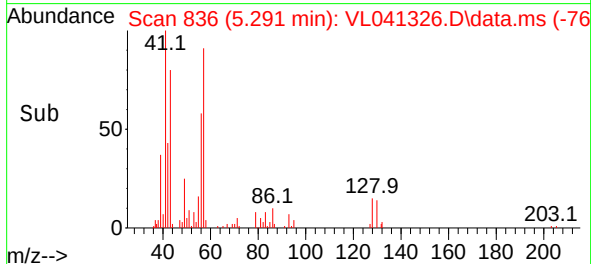
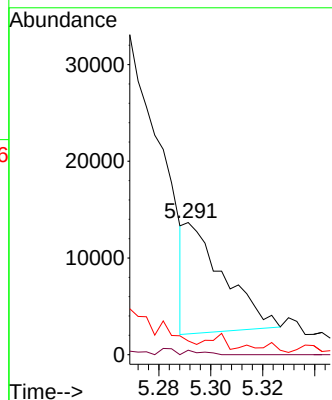
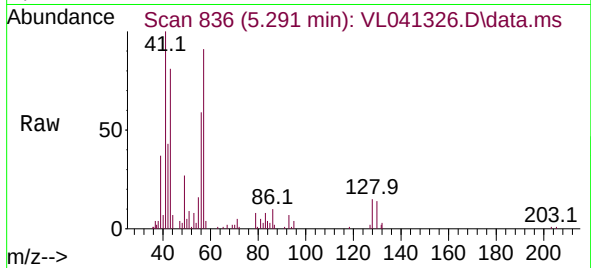




#41
Tetrahydrofuran
Concen: 0.158 ppbv
RT: 5.291 min Scan# 81
Delta R.T. -0.273 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

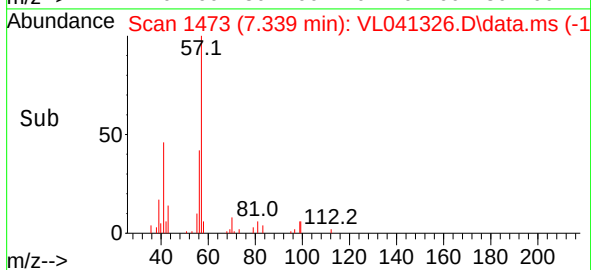
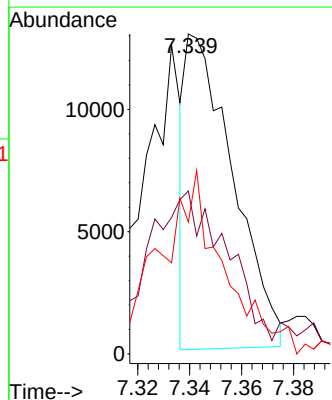
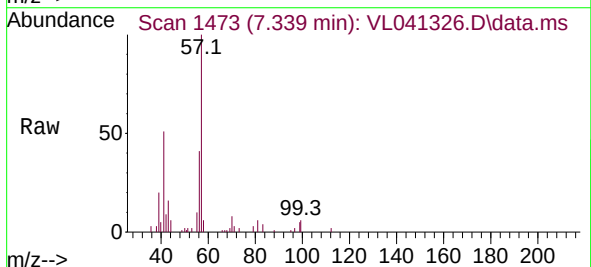
Instrument :
MSVOA_L
ClientSampleId :

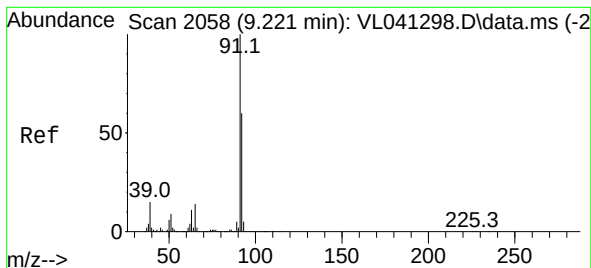
Tgt Ion: 42 Resp: 11850
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.4#
71 0.0 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.051 ppbv
RT: 7.339 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VL041326.D
Acq: 5 Jun 2024 14:04

Tgt Ion: 57 Resp: 16364
Ion Ratio Lower Upper
57 100
41 114.4 29.4 44.2#
56 86.4 25.0 37.4#





#53

Toluene

Concen: 0.204 ppbv

RT: 9.230 min Scan# 2058

Delta R.T. 0.010 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

Instrument :

MSVOA_L

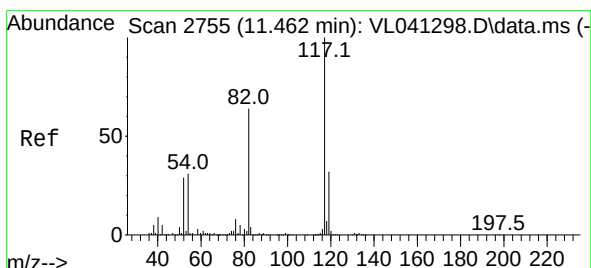
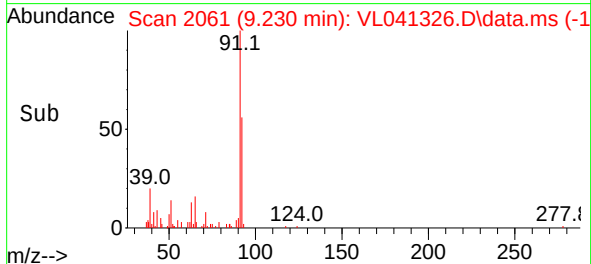
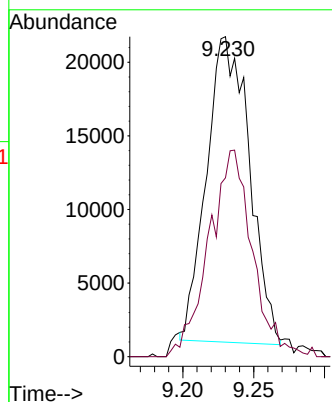
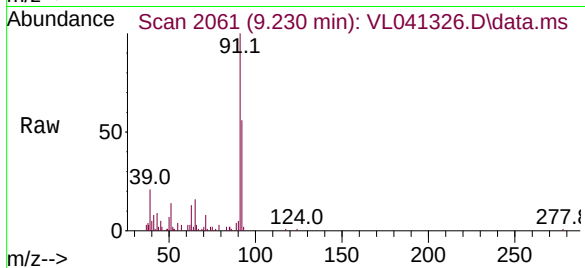
ClientSampleId :

Tgt Ion: 91 Resp: 43685

Ion Ratio Lower Upper

91 100

92 69.2 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 2759

Delta R.T. 0.013 min

Lab File: VL041326.D

Acq: 5 Jun 2024 14:04

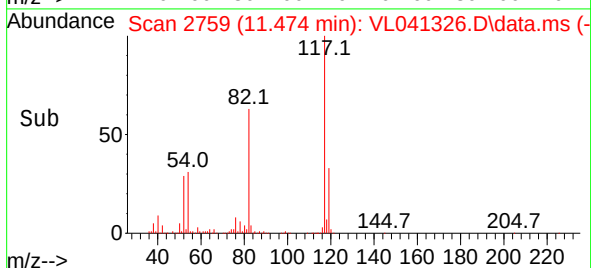
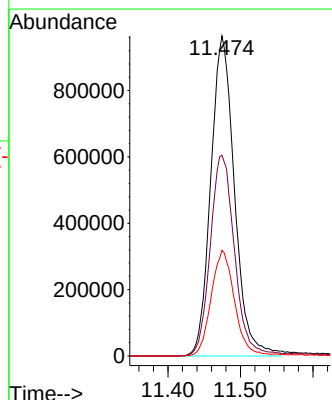
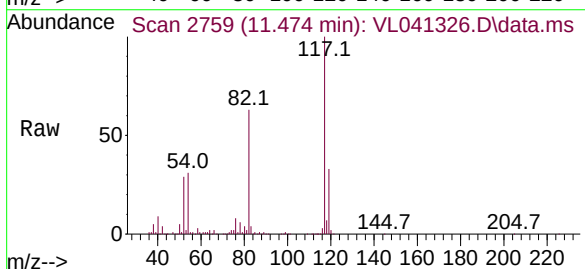
Tgt Ion: 117 Resp: 2190768

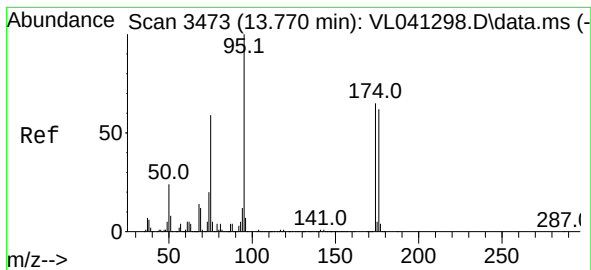
Ion Ratio Lower Upper

117 100

82 66.0 52.3 78.5

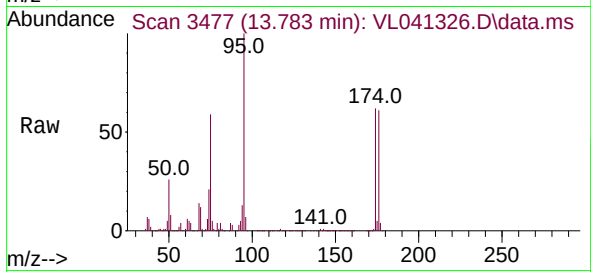
119 32.7 26.2 39.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.152 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.013 min
 Lab File: VL041326.D
 Acq: 5 Jun 2024 14:04

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 1717180

Ion	Ratio	Lower	Upper
95	100		
174	64.2	52.2	78.2
175	4.6	4.1	6.1

