

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070124\
 Data File : VL041372.D
 Acq On : 1 Jul 2024 17:49
 Operator : SY/MD
 Sample : CAN 10597
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 23:32:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 01 23:27:24 2024
 Response via : Initial Calibration

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

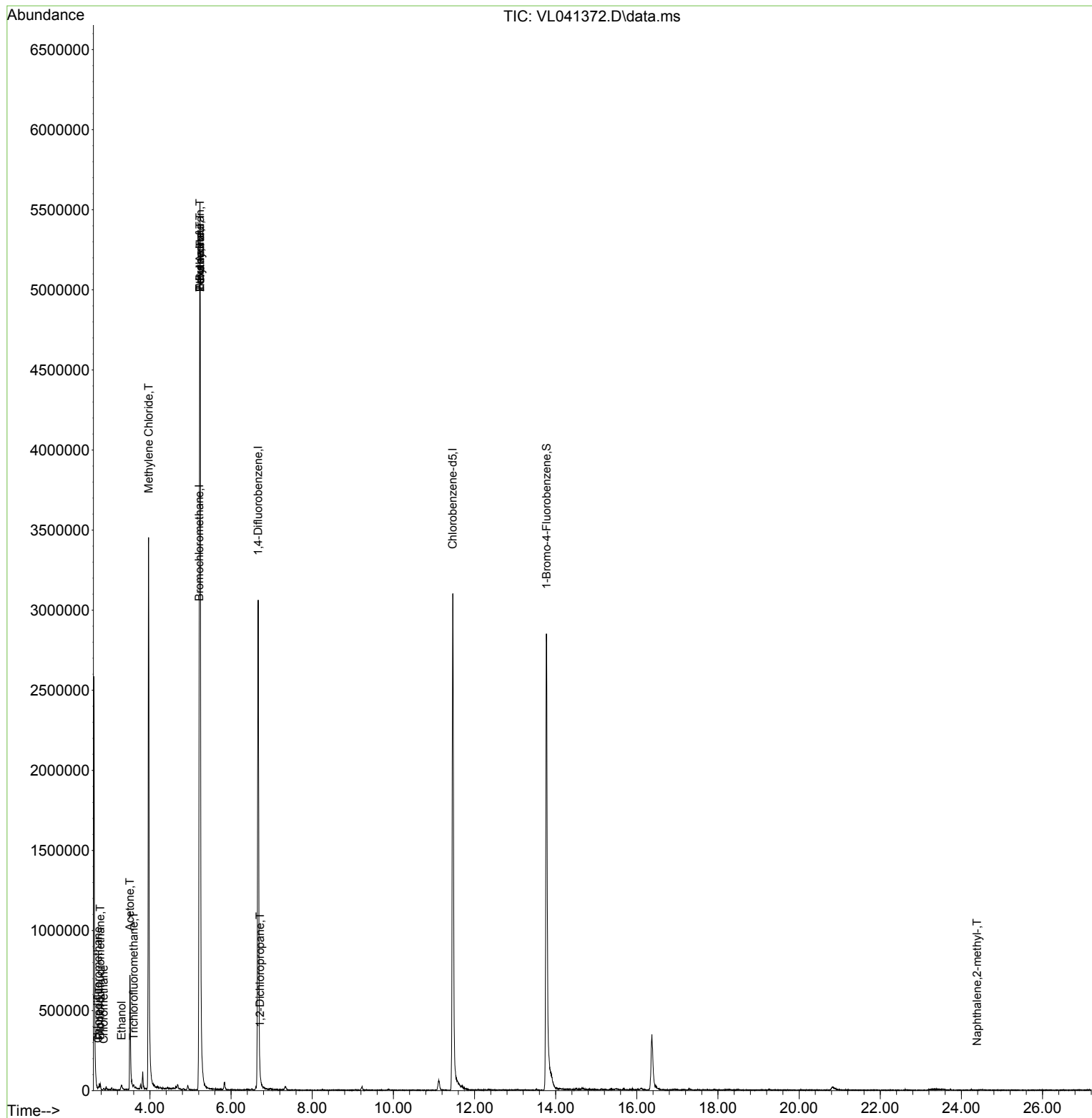
Internal Standards						
1) Bromochloromethane	5.214	49	908910	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2352647	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2099742	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1518191	9.647	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.777	85	21296	0.137	ppbv	92
3) Chlorodifluoromethane	2.722	51	15435	0.098	ppbv	93
4) Chloromethane	2.861	50	4371	0.073	ppbv	95
9) Propene	2.748	41	5554	0.102	ppbv	92
11) Trichlorofluoromethane	3.597	101	10412	0.069	ppbv	93
13) Ethanol	3.298	45	25689	2.135	ppbv #	51
15) Acetone	3.507	43	719959	5.998	ppbv	99
20) Methylene Chloride	3.967	84	1141702	26.212	ppbv	97
25) Ethyl Acetate	5.234	43	1469131	6.646	ppbv #	76
26) Hexane	5.237	57	2101631	21.472	ppbv #	41
34) 2-Butanone	5.234	43	1465361	11.803	ppbv #	54
39) 1,2-Dichloropropane	6.716	63	6729	0.089	ppbv #	27
41) Tetrahydrofuran	5.234	42	795014	10.339	ppbv #	50
80) Naphthalene,2-methyl-	24.387	142	42	0.113	ppbv #	1

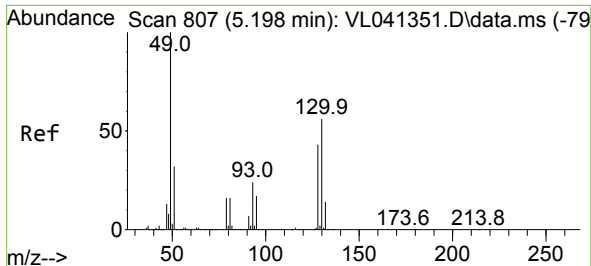
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 01 23:27:24 2024
Response via : Initial Calibration

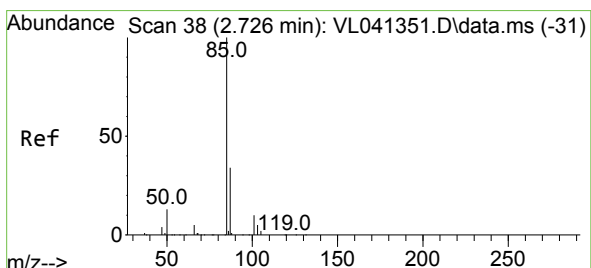
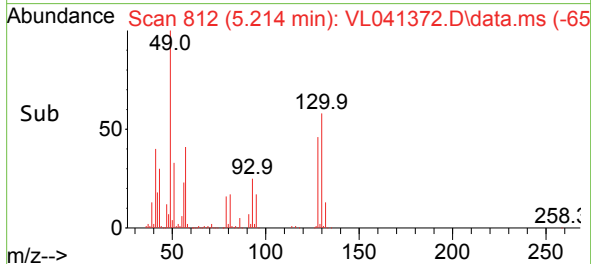
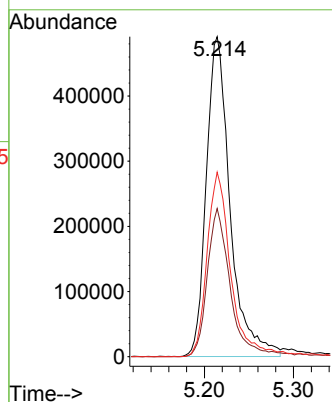
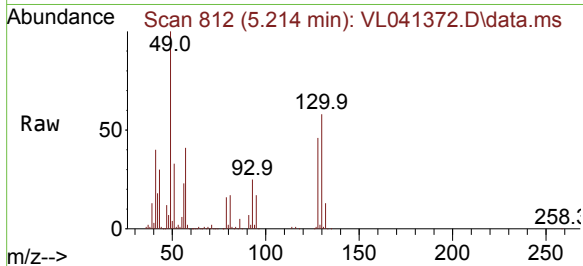




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.214 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: VL041372.D
 Acq: 1 Jul 2024 17:49

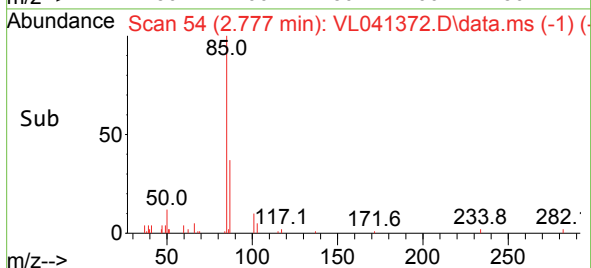
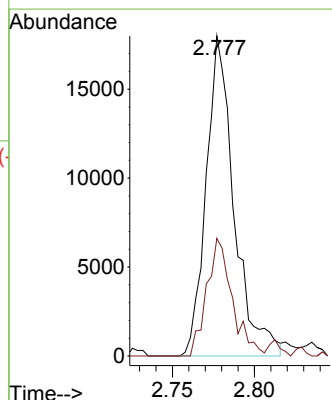
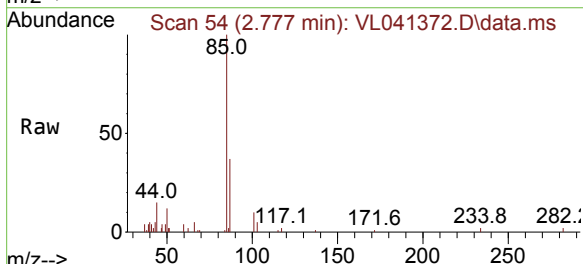
Instrument :
 MSVOA_L
 ClientSampleId :

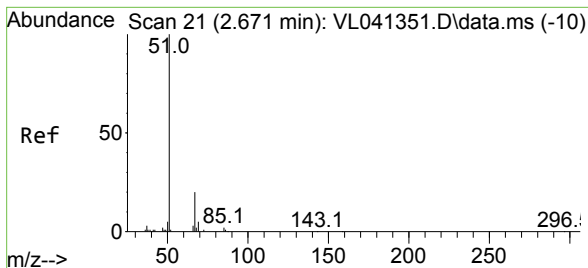
Tgt Ion: 49 Resp: 908910
 Ion Ratio Lower Upper
 49 100
 128 46.0 22.8 68.3
 130 59.0 28.9 86.7



#2
 Dichlorodifluoromethane
 Concen: 0.137 ppbv
 RT: 2.777 min Scan# 54
 Delta R.T. 0.006 min
 Lab File: VL041372.D
 Acq: 1 Jul 2024 17:49

Tgt Ion: 85 Resp: 21296
 Ion Ratio Lower Upper
 85 100
 87 36.8 25.9 38.9

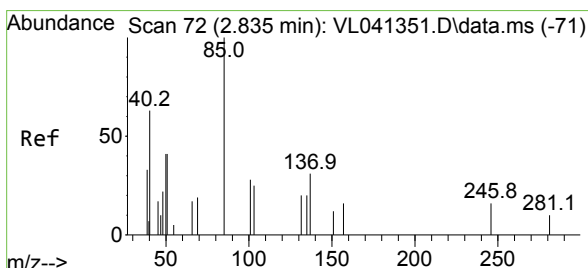
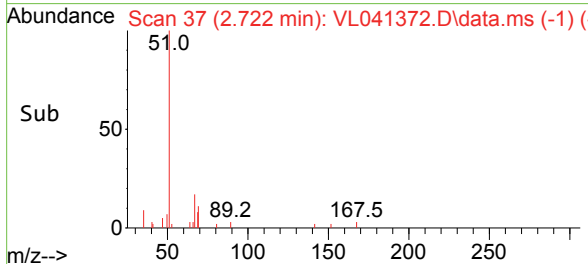
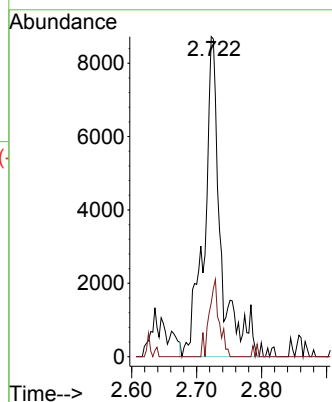
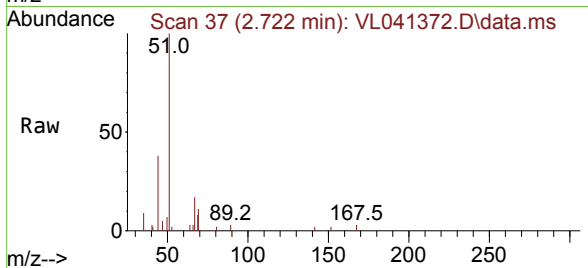




#3
Chlorodifluoromethane
Concen: 0.098 ppbv
RT: 2.722 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

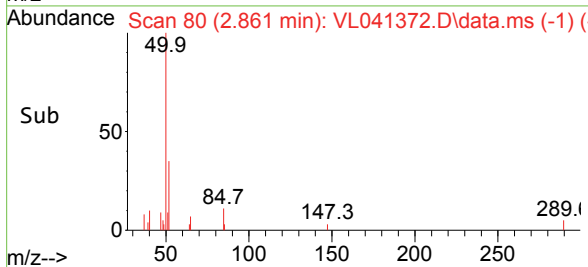
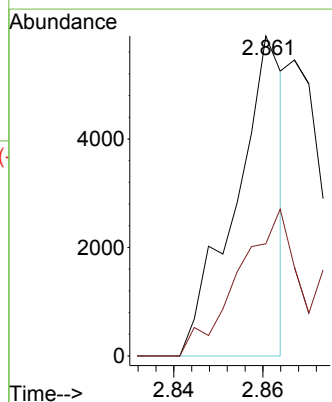
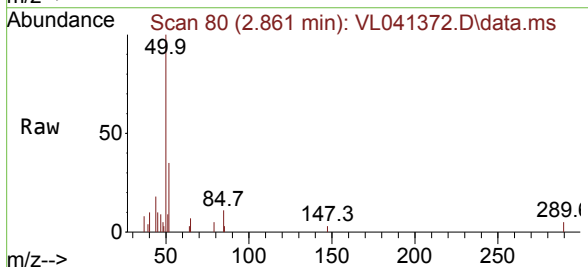
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 15435
Ion Ratio Lower Upper
51 100
67 14.7 14.3 21.5

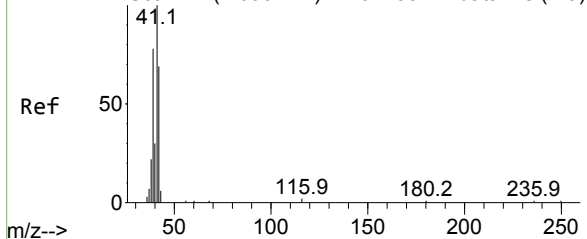


#4
Chloromethane
Concen: 0.073 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Tgt Ion: 50 Resp: 4371
Ion Ratio Lower Upper
50 100
52 35.0 25.6 38.4



Abundance Scan 27 (2.690 min): VL041351.D\data.ms (-19)



#9

Propene

Concen: 0.102 ppbv

RT: 2.748 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041372.D

Acq: 1 Jul 2024 17:49

Instrument :

MSVOA_L

ClientSampleId :

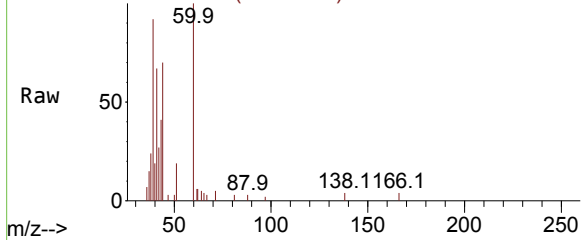
Tgt Ion: 41 Resp: 5554

Ion Ratio Lower Upper

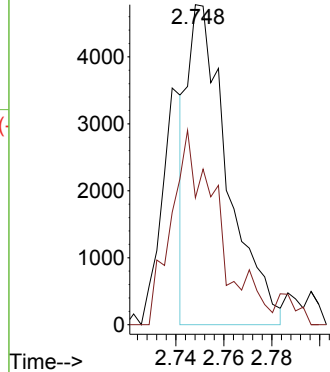
41 100

42 76.2 55.8 83.8

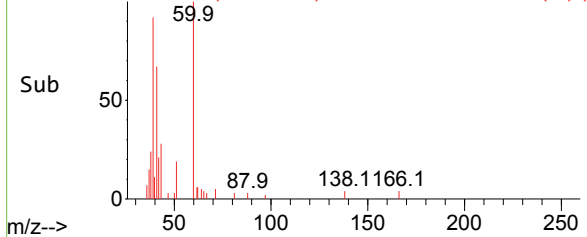
Abundance Scan 45 (2.748 min): VL041372.D\data.ms



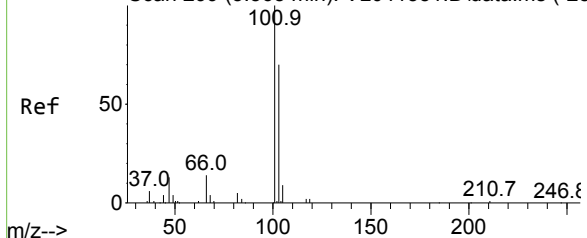
Abundance



Abundance Scan 45 (2.748 min): VL041372.D\data.ms (-1) (-



Abundance Scan 299 (3.565 min): VL041351.D\data.ms (-28



#11

Trichlorofluoromethane

Concen: 0.069 ppbv

RT: 3.597 min Scan# 309

Delta R.T. -0.000 min

Lab File: VL041372.D

Acq: 1 Jul 2024 17:49

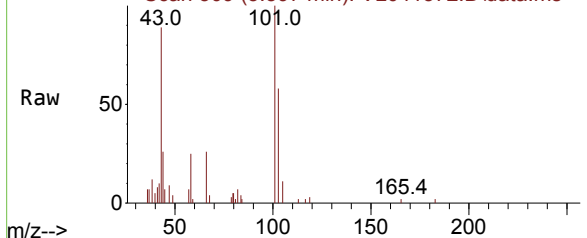
Tgt Ion:101 Resp: 10412

Ion Ratio Lower Upper

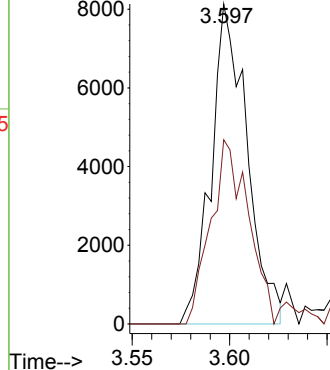
101 100

103 57.5 50.5 75.7

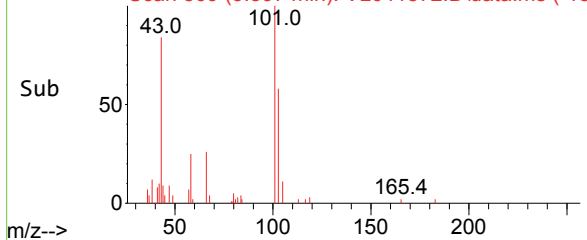
Abundance Scan 309 (3.597 min): VL041372.D\data.ms

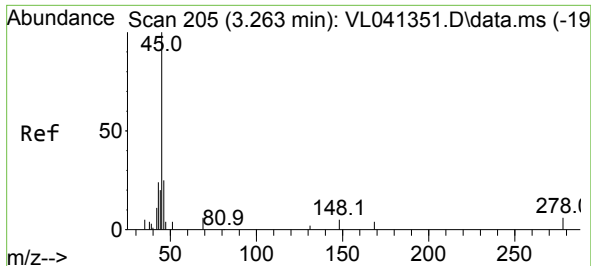


Abundance



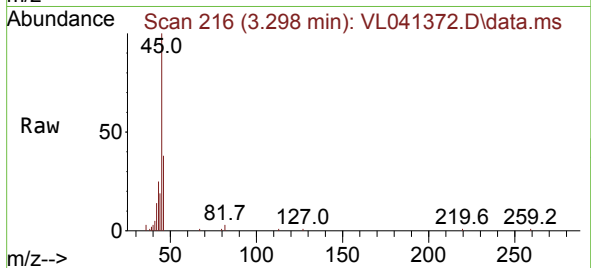
Abundance Scan 309 (3.597 min): VL041372.D\data.ms (-15



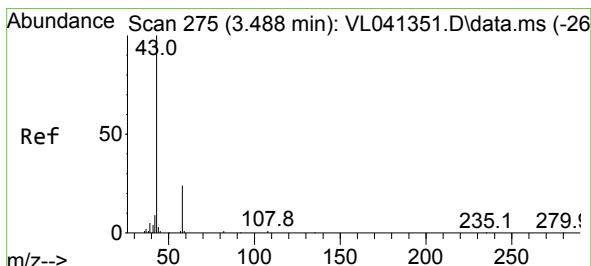
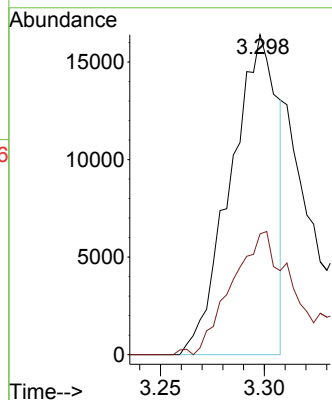
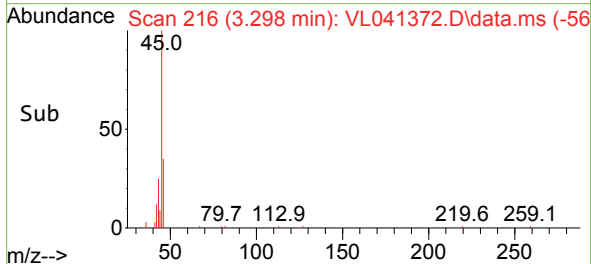


#13
Ethanol
Concen: 2.135 ppbv
RT: 3.298 min Scan# 216
Delta R.T. 0.016 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

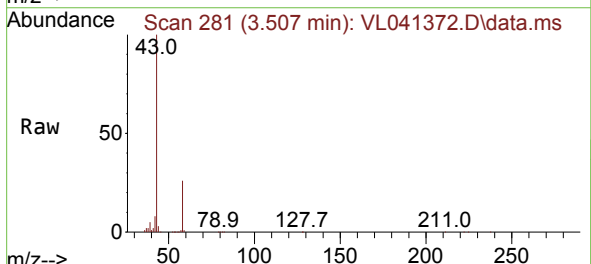
Instrument :
MSVOA_L
ClientSampleId :



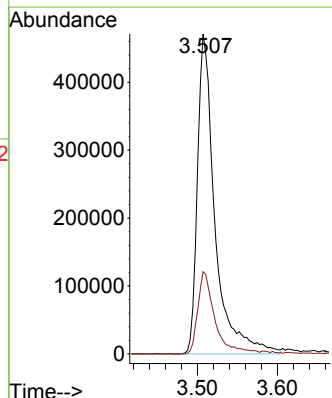
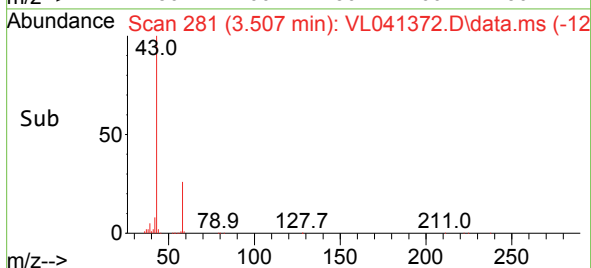
Tgt Ion: 45 Resp: 25689
Ion Ratio Lower Upper
45 100
46 61.0 13.3 53.3#

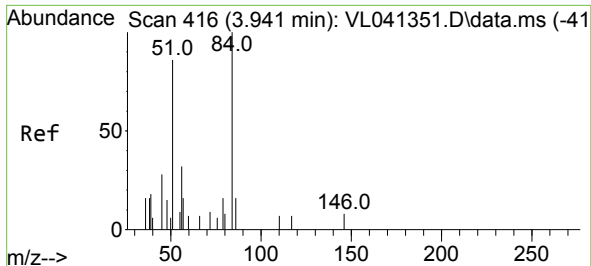


#15
Acetone
Concen: 5.998 ppbv
RT: 3.507 min Scan# 281
Delta R.T. 0.003 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49



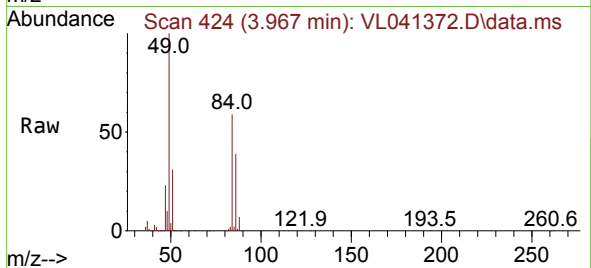
Tgt Ion: 43 Resp: 719959
Ion Ratio Lower Upper
43 100
58 25.9 20.3 30.5





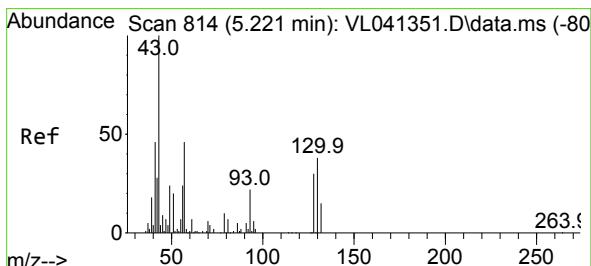
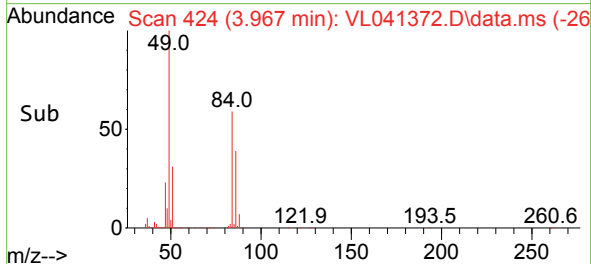
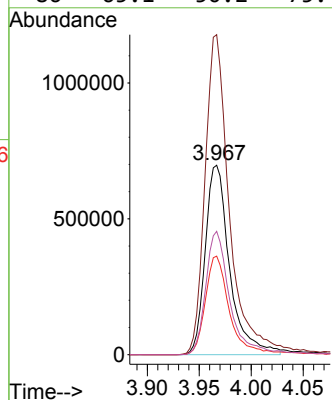
#20
Methylene Chloride
Concen: 26.212 ppbv
RT: 3.967 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 84 Resp: 1141702

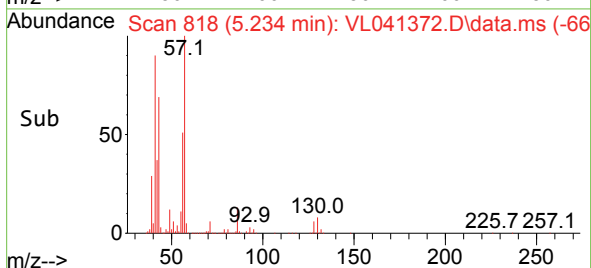
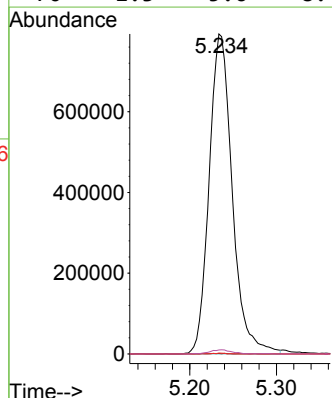
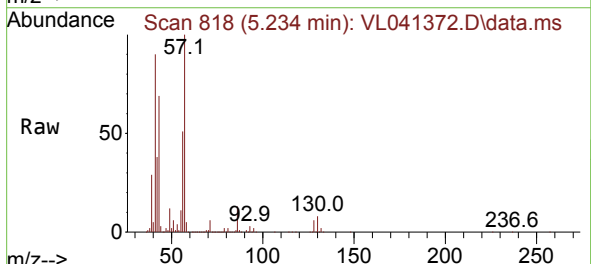
Ion	Ratio	Lower	Upper
84	100		
49	168.9	131.8	197.6
51	52.0	39.6	59.4
86	65.1	50.2	75.4

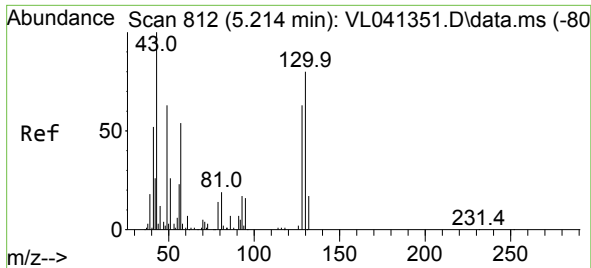


#25
Ethyl Acetate
Concen: 6.646 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.006 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Tgt Ion: 43 Resp: 1469131

Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.3	12.5#
61	0.2	7.7	11.5#
70	1.3	5.6	8.4#

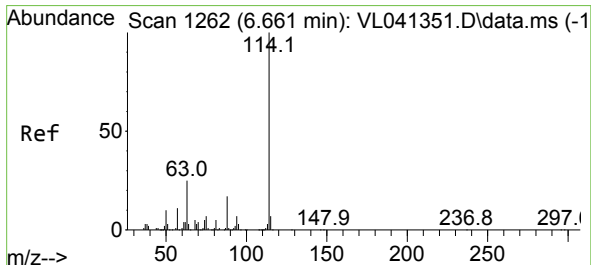
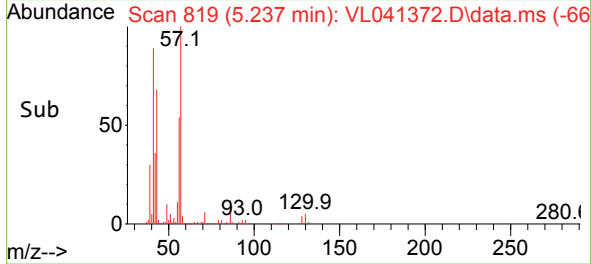
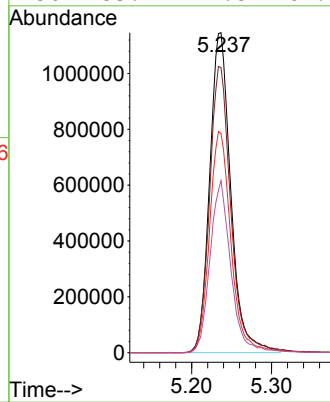
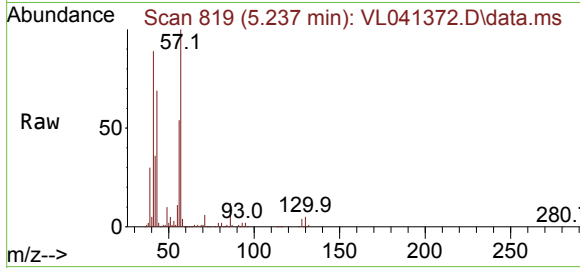




#26
Hexane
Concen: 21.472 ppbv
RT: 5.237 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

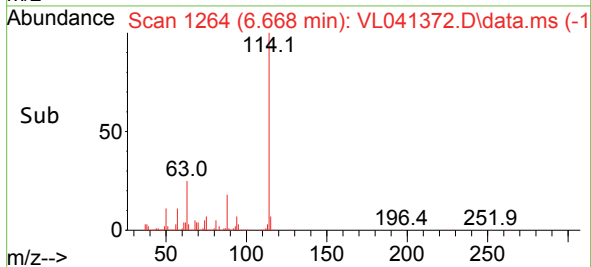
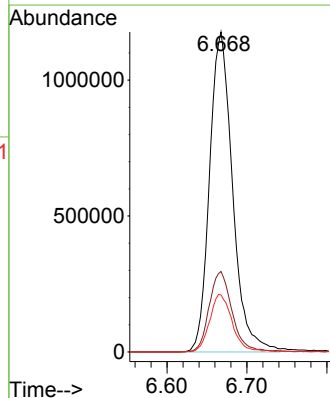
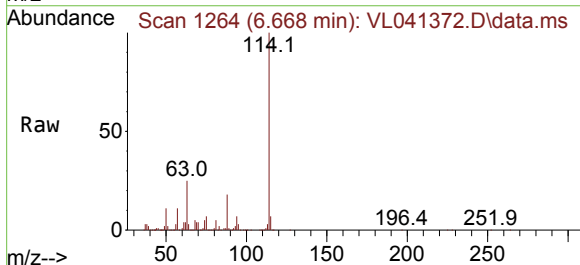
Instrument :
MSVOA_L
ClientSampleId :

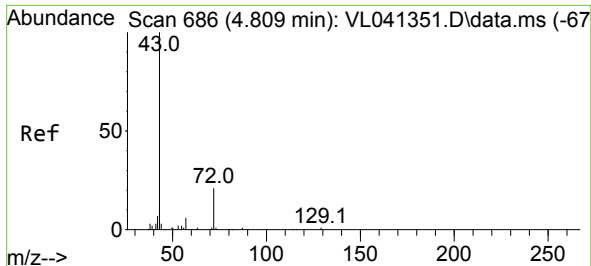
Tgt Ion: 57 Resp: 2101631
Ion Ratio Lower Upper
57 100
41 91.4 73.7 110.5
43 70.7 182.2 273.2#
56 53.1 41.8 62.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. -0.003 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Tgt Ion:114 Resp: 2352647
Ion Ratio Lower Upper
114 100
63 25.4 20.6 31.0
88 17.9 14.6 21.8

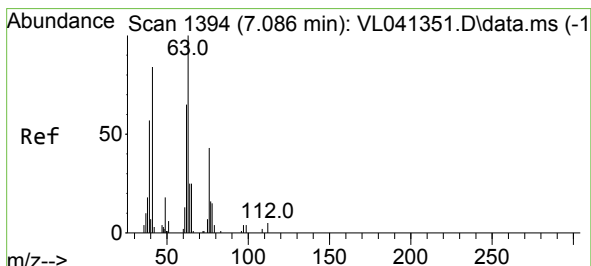
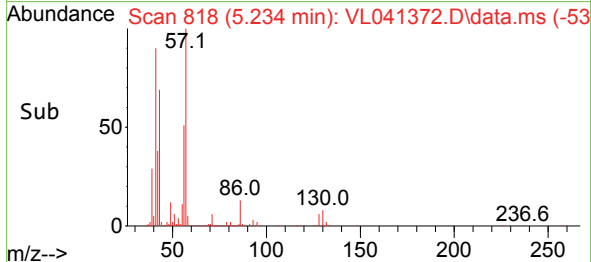
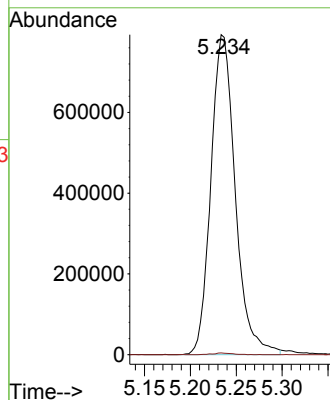
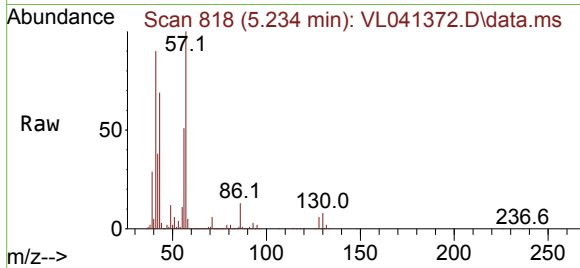




#34
2-Butanone
Concen: 11.803 ppbv
RT: 5.234 min Scan# 81
Delta R.T. 0.421 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

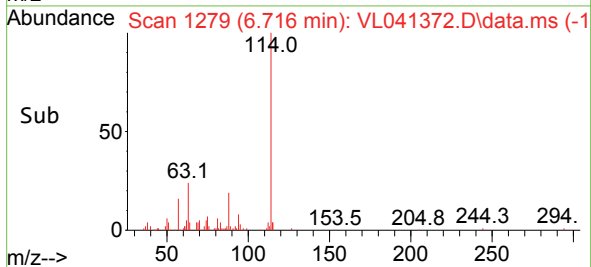
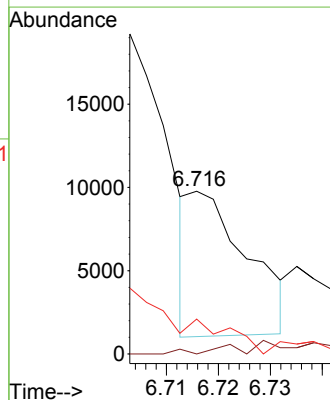
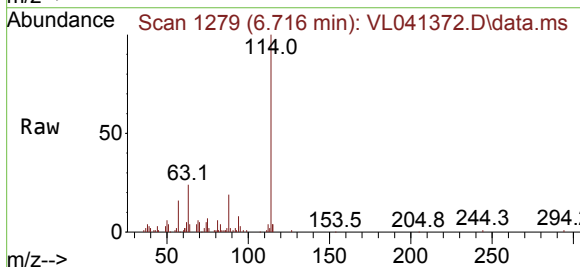
Instrument :
MSVOA_L
ClientSampleId :

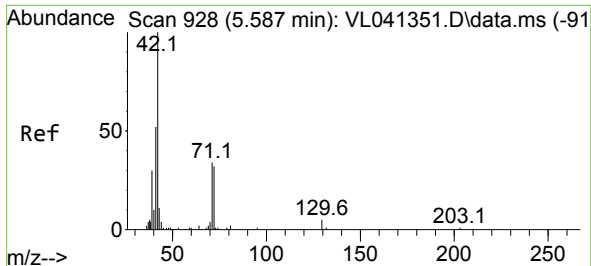
Tgt Ion: 43 Resp: 1465361
Ion Ratio Lower Upper
43 100
72 0.0 17.2 25.8#



#39
1,2-Dichloropropane
Concen: 0.089 ppbv
RT: 6.716 min Scan# 1279
Delta R.T. -0.373 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Tgt Ion: 63 Resp: 6729
Ion Ratio Lower Upper
63 100
41 0.0 64.0 96.0#
62 25.4 55.2 82.8#

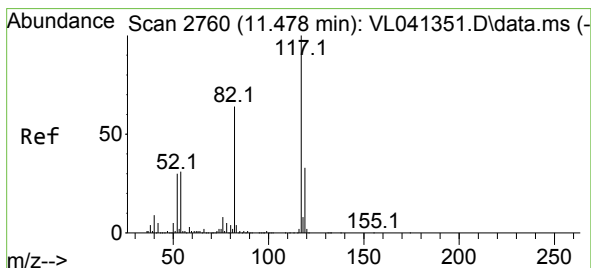
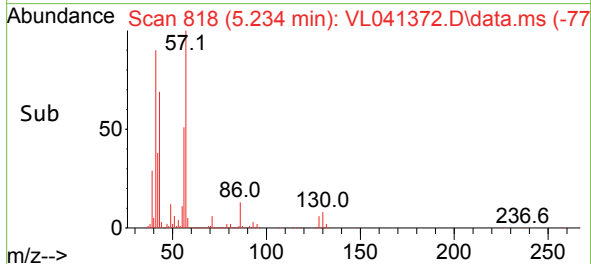
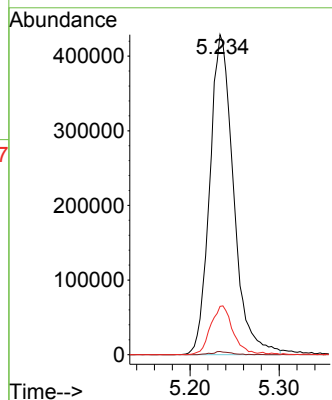
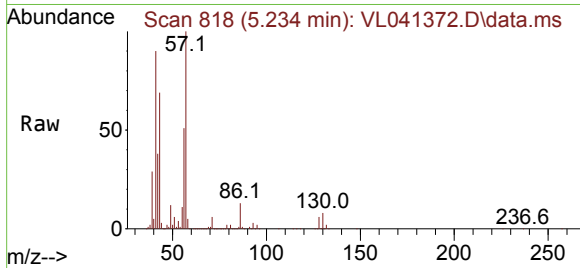




#41
Tetrahydrofuran
Concen: 10.339 ppbv
RT: 5.234 min Scan# 81
Delta R.T. -0.344 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

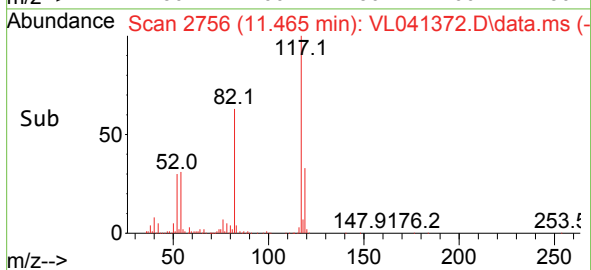
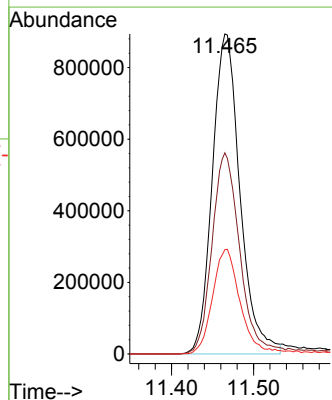
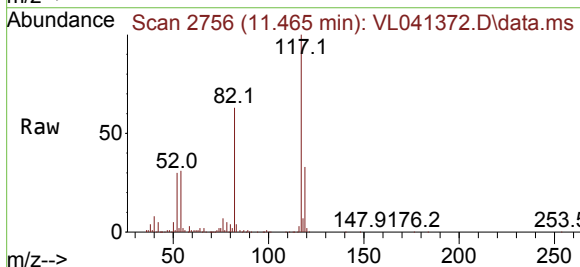
Instrument :
MSVOA_L
ClientSampleId :

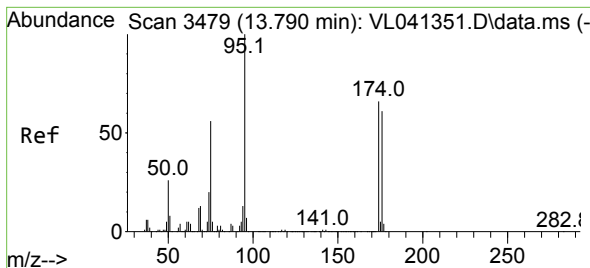
Tgt Ion: 42 Resp: 795014
Ion Ratio Lower Upper
42 100
72 0.8 30.3 45.5#
71 14.6 29.7 44.5#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. -0.006 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Tgt Ion:117 Resp: 2099742
Ion Ratio Lower Upper
117 100
82 65.9 50.6 75.8
119 33.8 24.7 37.1

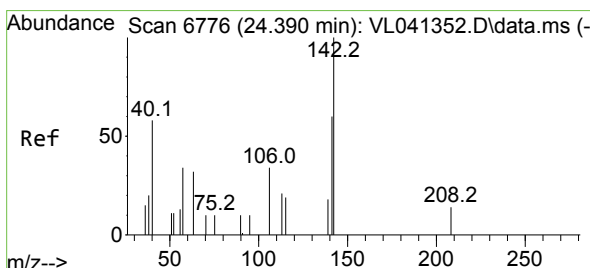
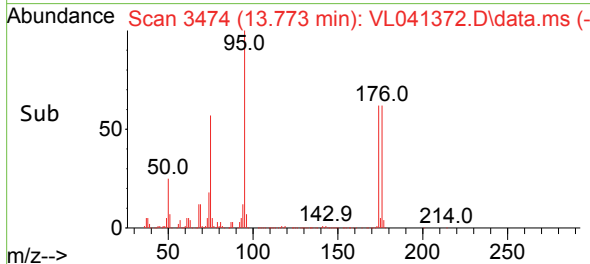
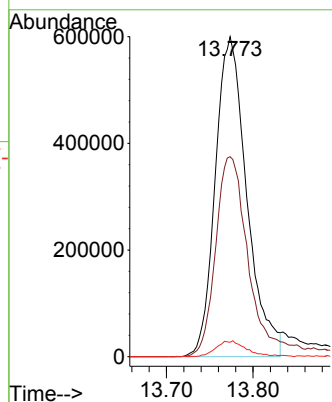
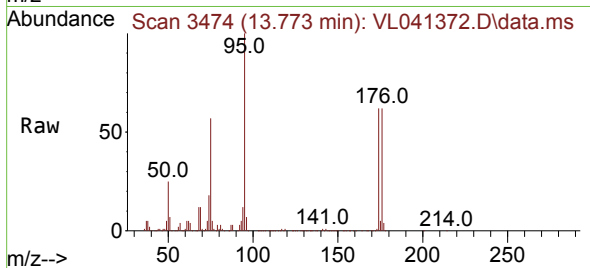




#68
1-Bromo-4-Fluorobenzene
Concen: 9.647 ppbv
RT: 13.773 min Scan# 3479
Delta R.T. -0.003 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1518191
Ion Ratio Lower Upper
95 100
174 69.2 53.1 79.7
175 4.9 4.0 6.0



#80
Naphthalene, 2-methyl-
Concen: 0.113 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.016 min
Lab File: VL041372.D
Acq: 1 Jul 2024 17:49

Tgt Ion: 142 Resp: 42
Ion Ratio Lower Upper
142 100
141 0.0 37.9 56.9#
115 138.1 11.0 16.4#

