

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040543.D
 Acq On : 26 Jul 2023 15:01
 Operator : SY/MD
 Sample : VL0726ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 01:51:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

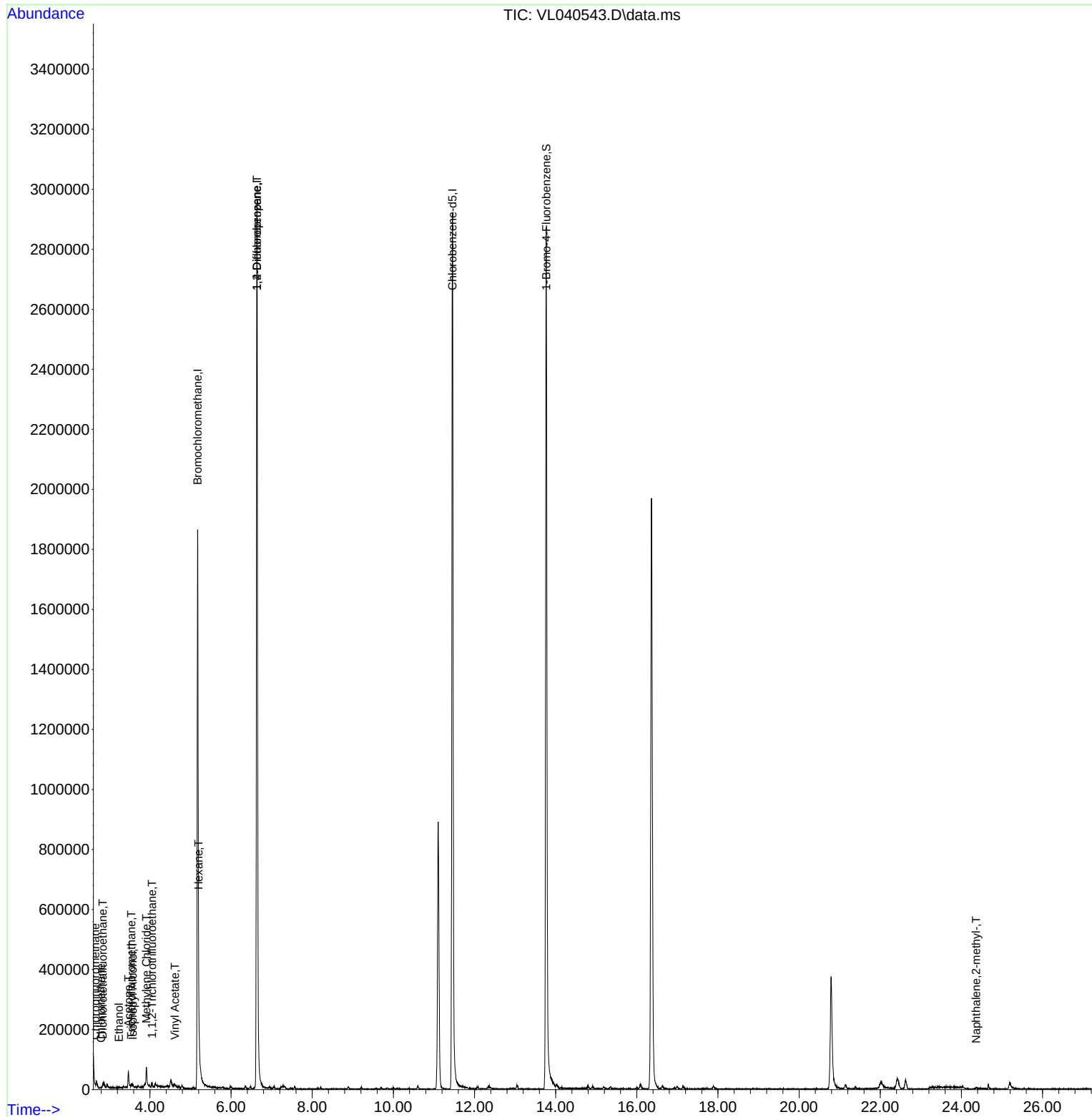
Internal Standards						
1) Bromochloromethane	5.176	49	905964	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2186256	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	1845848	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1399551	9.580	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.655	51	5607	0.039	ppbv	100
4) Chloromethane	2.796	50	3041	0.053	ppbv #	84
8) Dichlorotetrafluoroethane	2.835	85	5229	0.035	ppbv	97
11) Trichlorofluoromethane	3.542	101	6073	0.042	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	3311	0.032	ppbv #	77
13) Ethanol	3.234	45	1462	0.137	ppbv	73
15) Acetone	3.472	43	52534	0.504	ppbv #	86
19) Isopropyl Alcohol	3.574	45	7574	0.127	ppbv #	96
20) Methylene Chloride	3.915	84	20995	0.473	ppbv #	92
23) Vinyl Acetate	4.613	43	5607	0.056	ppbv #	68
26) Hexane	5.198	57	6217	0.067	ppbv #	61
39) 1,2-Dichloropropane	6.639	63	556622	8.220	ppbv #	27
80) Naphthalene,2-methyl-	24.361	142	3037	0.037	ppbv #	65

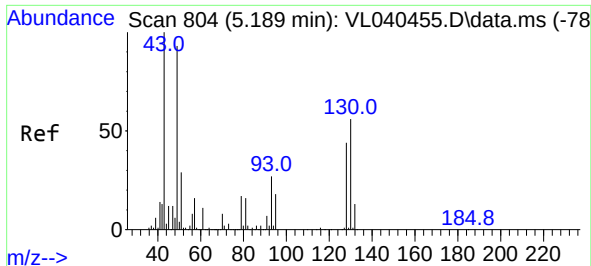
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 01:51:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

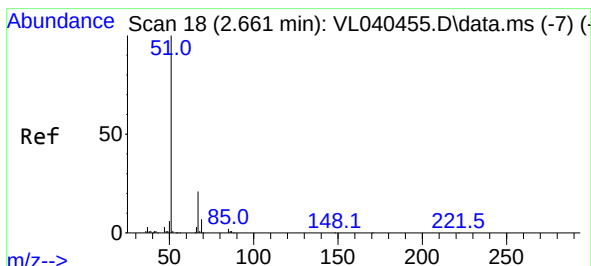
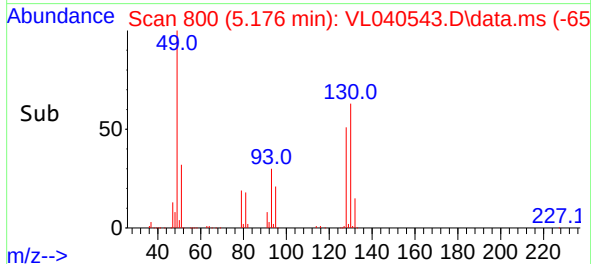
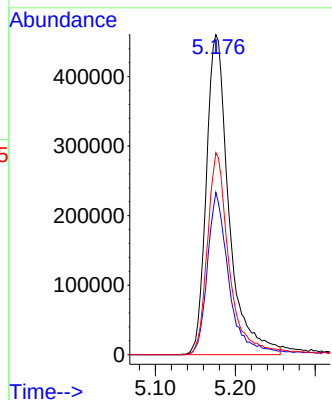
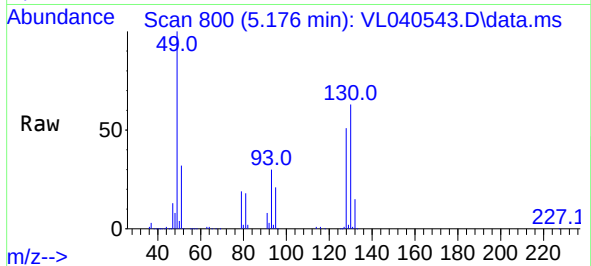




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

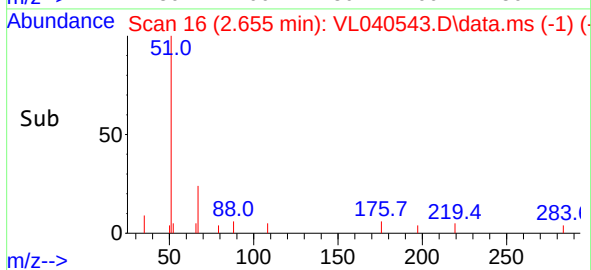
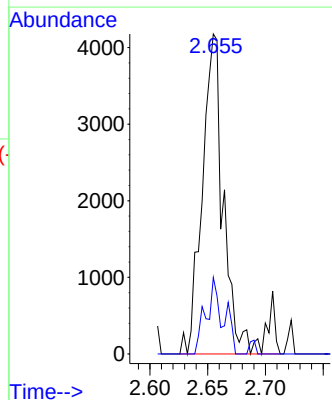
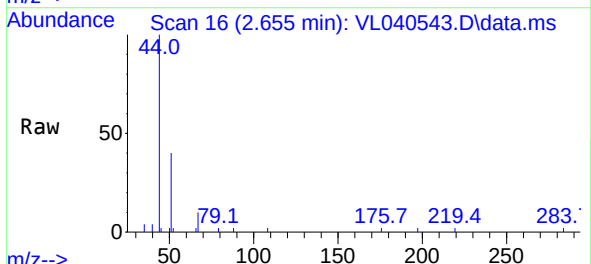
Instrument :
MSVOA_L
ClientSampleId :

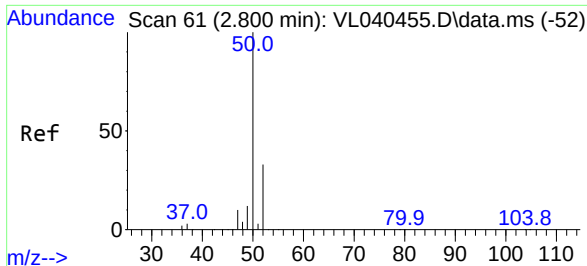
Tgt Ion: 49 Resp: 905964
Ion Ratio Lower Upper
49 100
128 50.2 25.1 75.4
130 62.5 31.6 94.7



#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 2.655 min Scan# 16
Delta R.T. -0.029 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

Tgt Ion: 51 Resp: 5607
Ion Ratio Lower Upper
51 100
67 18.2 14.6 21.8

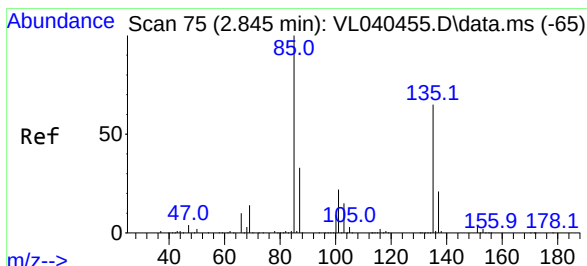
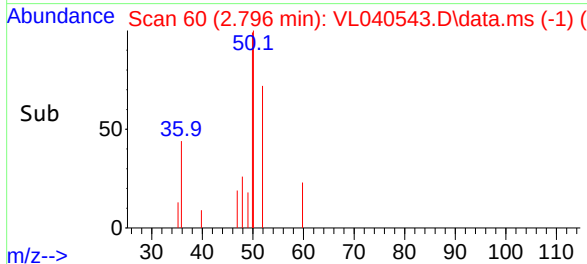
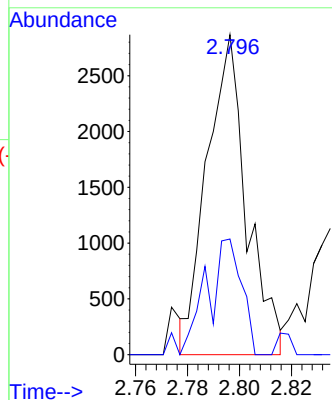
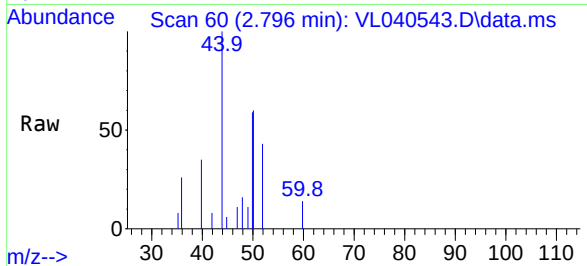




#4
Chloromethane
Concen: 0.053 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.026 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

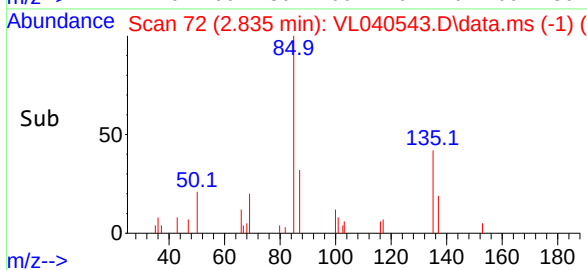
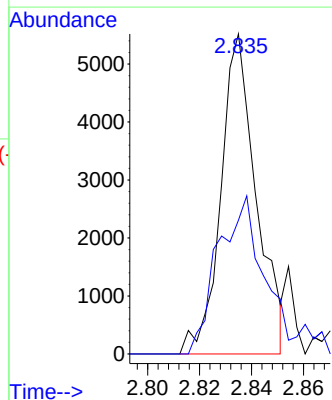
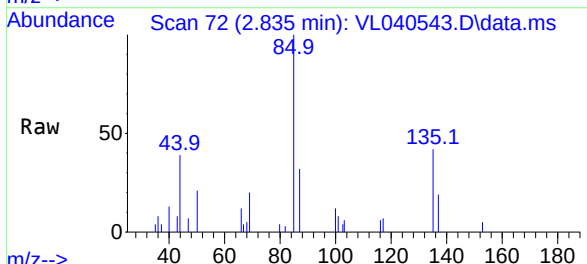
Instrument :
MSVOA_L
ClientSampleId :

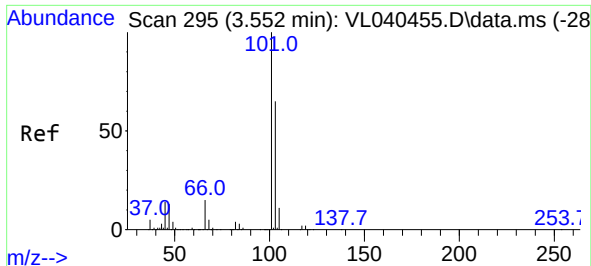
Tgt Ion: 50 Resp: 3041
Ion Ratio Lower Upper
50 100
52 39.1 24.4 36.6#



#8
Dichlorotetrafluoroethane
Concen: 0.035 ppbv
RT: 2.835 min Scan# 72
Delta R.T. -0.032 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

Tgt Ion: 85 Resp: 5229
Ion Ratio Lower Upper
85 100
135 68.1 52.4 78.6

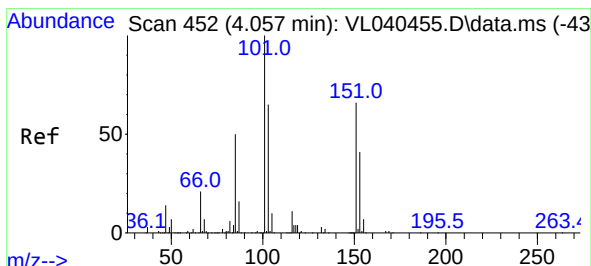
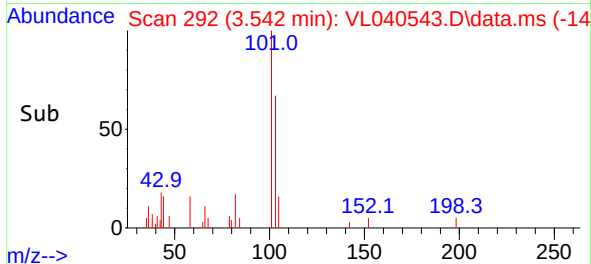
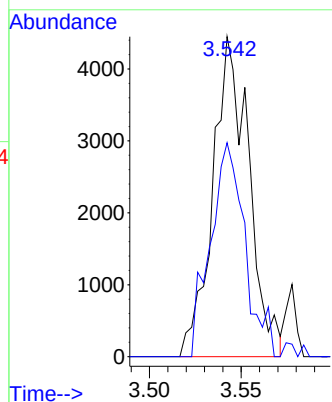
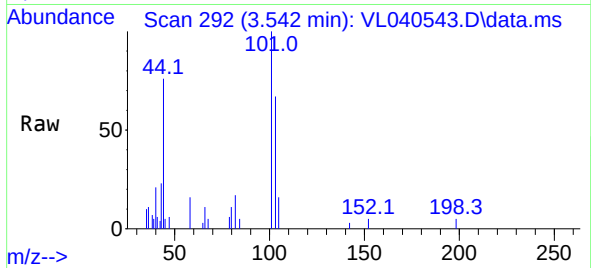




#11
Trichlorofluoromethane
Concen: 0.042 ppbv
RT: 3.542 min Scan# 295
Delta R.T. -0.029 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

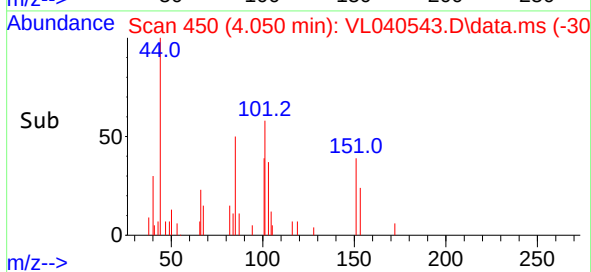
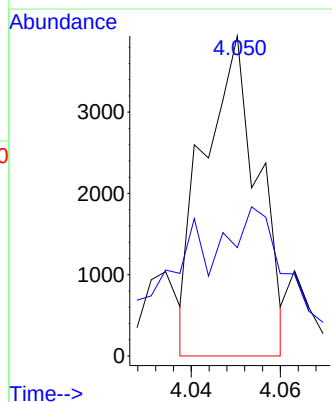
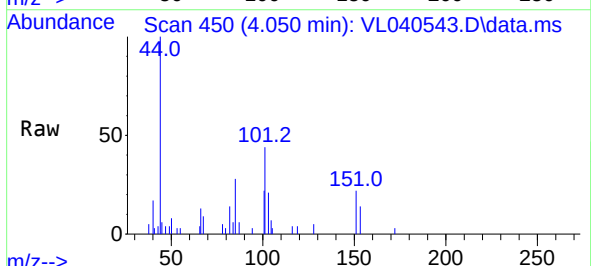
Instrument :
MSVOA_L
ClientSampleId :

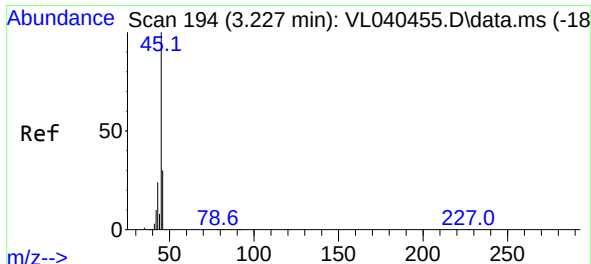
Tgt Ion:101 Resp: 6073
Ion Ratio Lower Upper
101 100
103 66.9 53.4 80.0



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.032 ppbv
RT: 4.050 min Scan# 450
Delta R.T. -0.023 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

Tgt Ion:101 Resp: 3311
Ion Ratio Lower Upper
101 100
151 91.9 58.2 87.4#

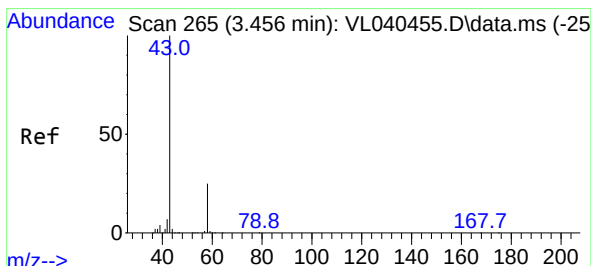
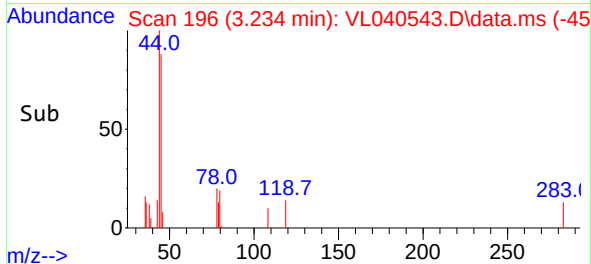
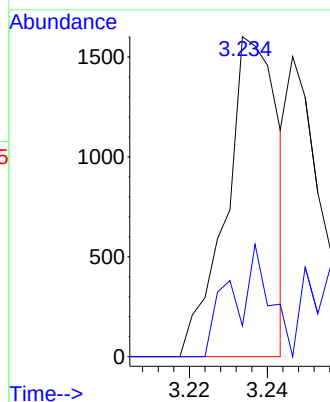
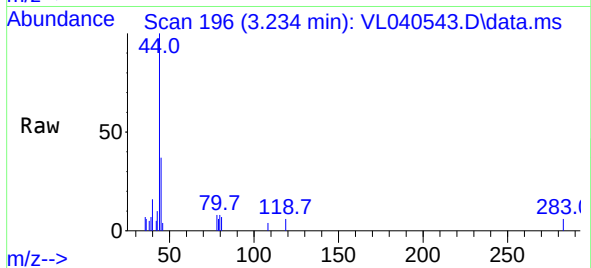




#13
Ethanol
Concen: 0.137 ppbv
RT: 3.234 min Scan# 14
Delta R.T. -0.013 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

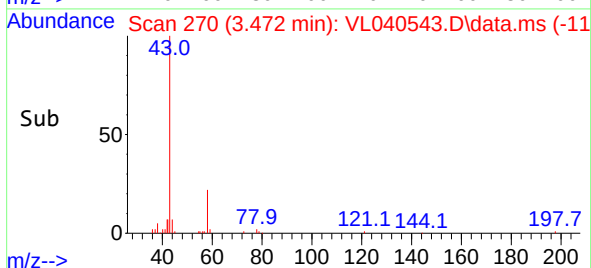
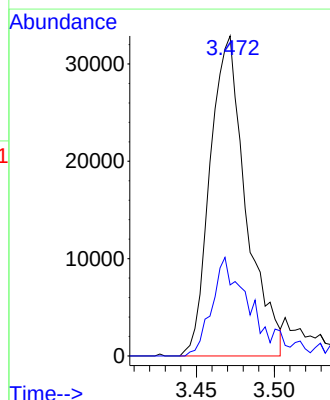
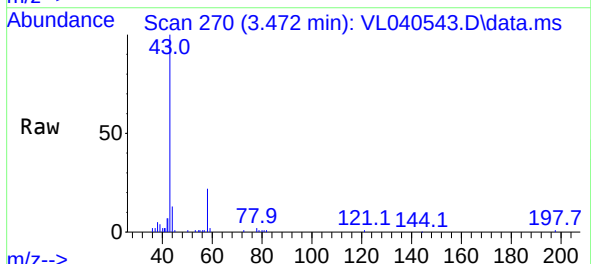
Instrument :
MSVOA_L
ClientSampleId :

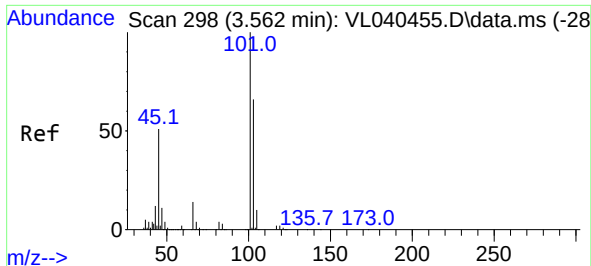
Tgt Ion: 45 Resp: 1462
Ion Ratio Lower Upper
45 100
46 54.3 15.3 61.1



#15
Acetone
Concen: 0.504 ppbv
RT: 3.472 min Scan# 270
Delta R.T. -0.003 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

Tgt Ion: 43 Resp: 52534
Ion Ratio Lower Upper
43 100
58 36.1 22.9 34.3#

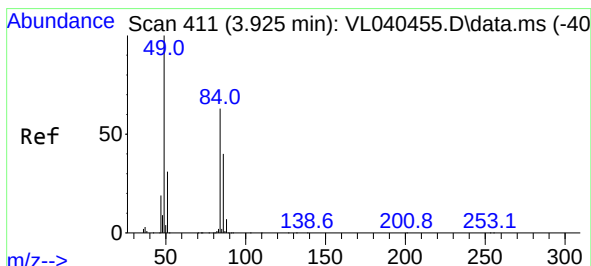
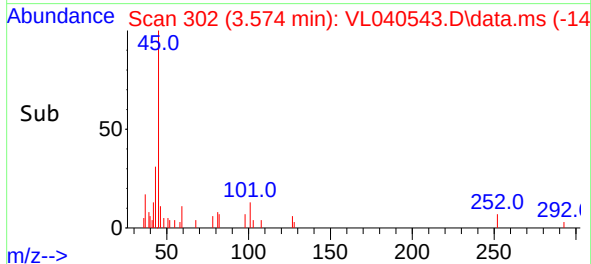
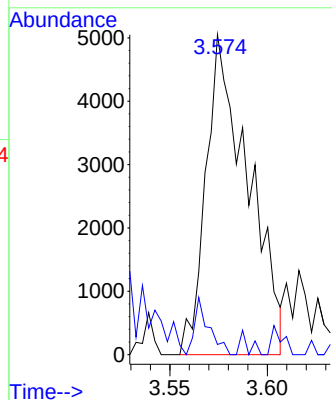
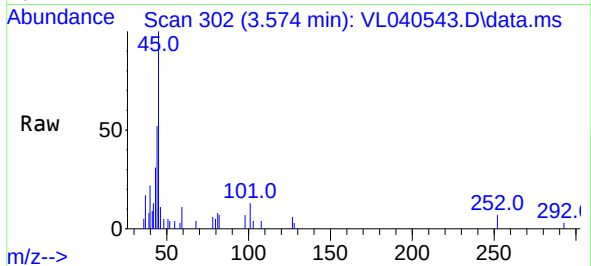




#19
Isopropyl Alcohol
Concen: 0.127 ppbv
RT: 3.574 min Scan# 302
Delta R.T. -0.007 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

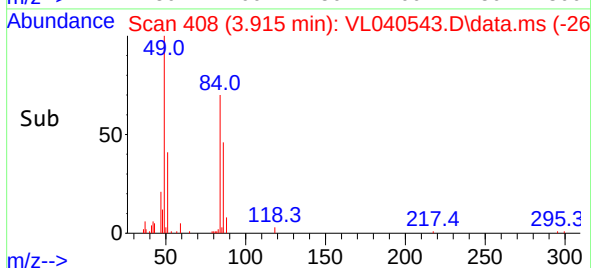
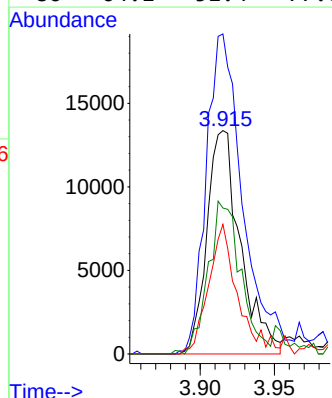
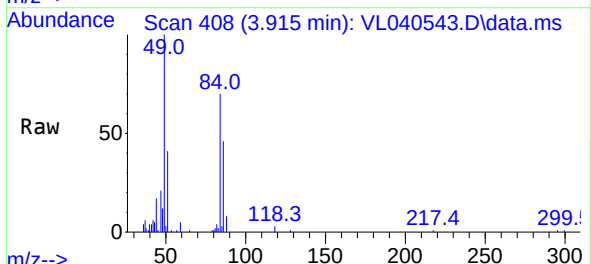
Instrument :
MSVOA_L
ClientSampleId :

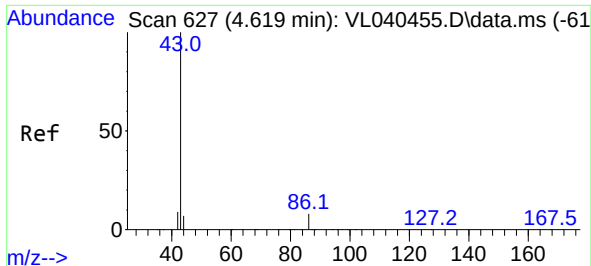
Tgt Ion: 45 Resp: 7574
Ion Ratio Lower Upper
45 100
58 0.0 1.1 1.7#



#20
Methylene Chloride
Concen: 0.473 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.026 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

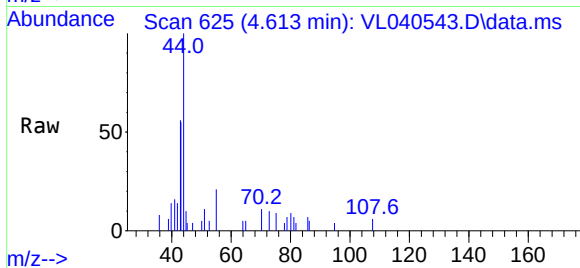
Tgt Ion: 84 Resp: 20995
Ion Ratio Lower Upper
84 100
49 141.8 123.4 185.2
51 58.0 38.3 57.5#
86 64.1 51.4 77.0





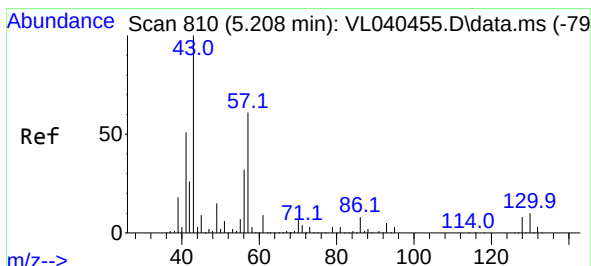
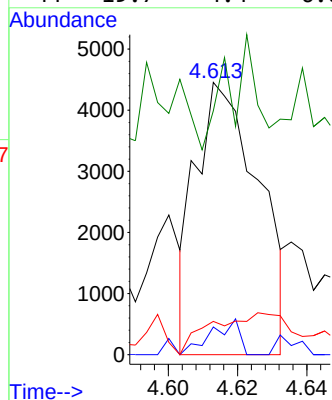
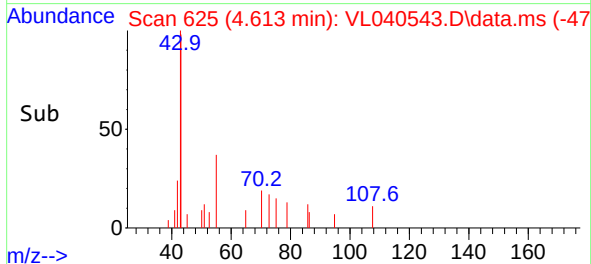
#23
Vinyl Acetate
Concen: 0.056 ppbv
RT: 4.613 min Scan# 61
Delta R.T. -0.023 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

Instrument :
MSVOA_L
ClientSampleId :

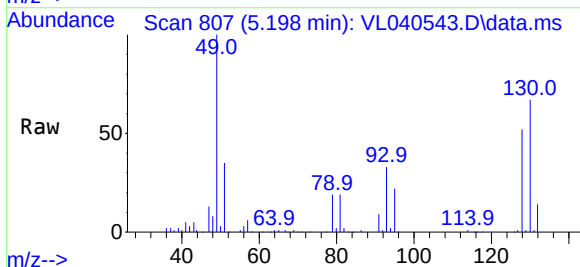


Tgt Ion: 43 Resp: 5607

Ion	Ratio	Lower	Upper
43	100		
86	16.5	5.6	8.4#
42	19.9	7.4	11.2#
44	19.7	4.4	6.6#

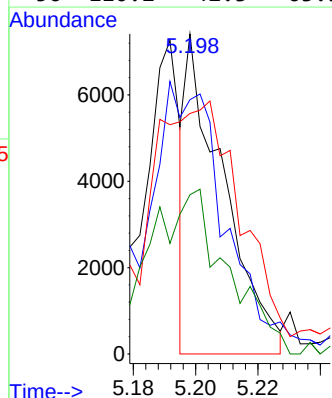
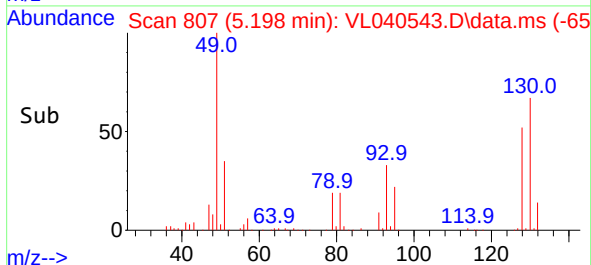


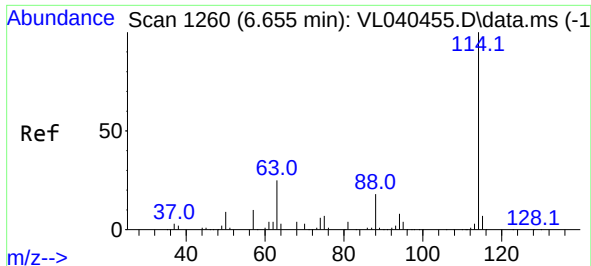
#26
Hexane
Concen: 0.067 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.023 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01



Tgt Ion: 57 Resp: 6217

Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.5	104.3#
43	208.7	177.1	265.7
56	110.2	42.3	63.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.026 min

Lab File: VL040543.D

Acq: 26 Jul 2023 15:01

Instrument :

MSVOA_L

ClientSampleId :

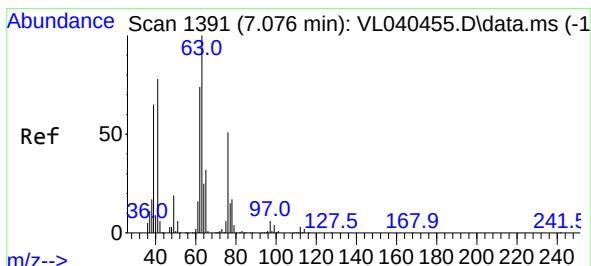
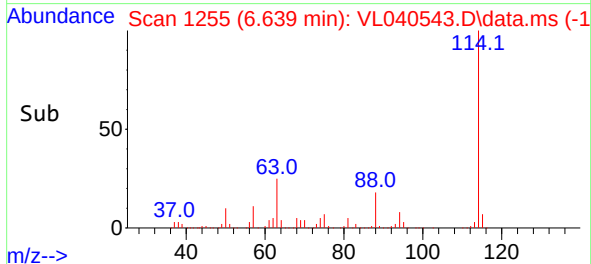
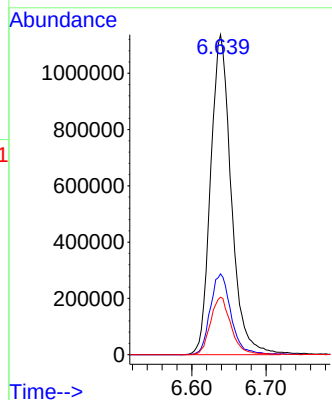
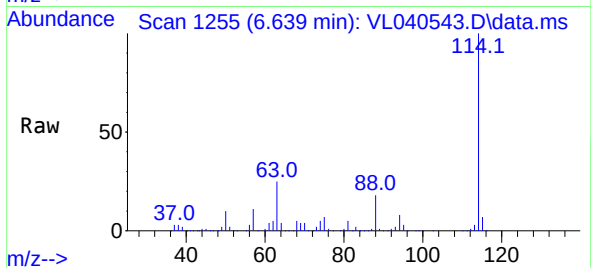
Tgt Ion:114 Resp: 2186256

Ion Ratio Lower Upper

114 100

63 25.8 19.6 29.4

88 18.1 14.2 21.2



#39

1,2-Dichloropropane

Concen: 8.220 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.444 min

Lab File: VL040543.D

Acq: 26 Jul 2023 15:01

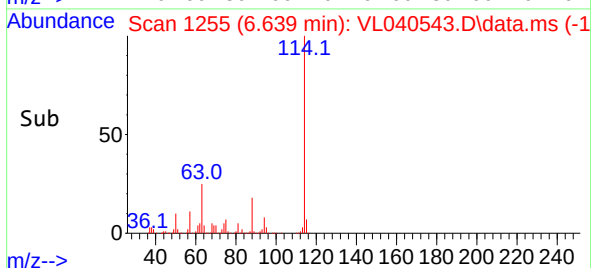
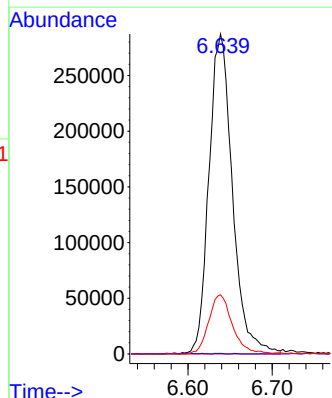
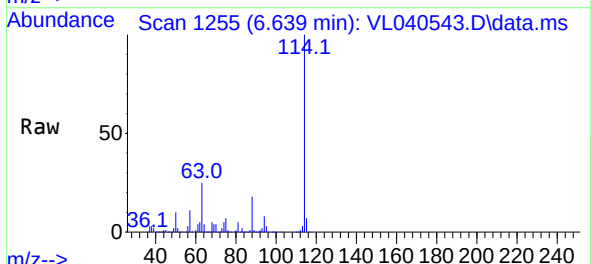
Tgt Ion: 63 Resp: 556622

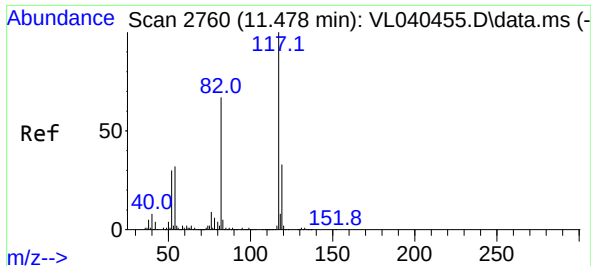
Ion Ratio Lower Upper

63 100

41 0.2 54.3 81.5#

62 18.5 55.6 83.4#

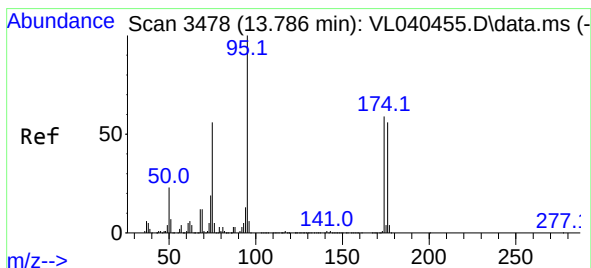
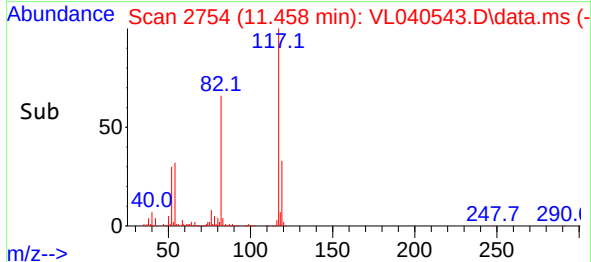
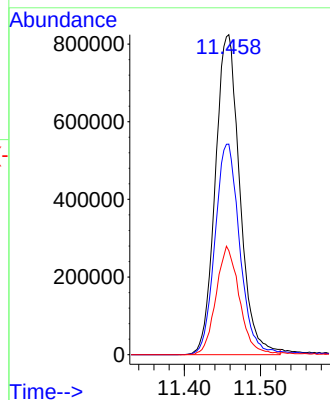
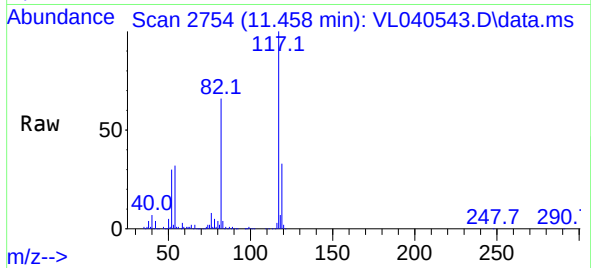




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

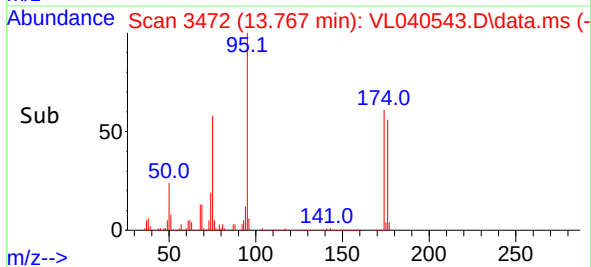
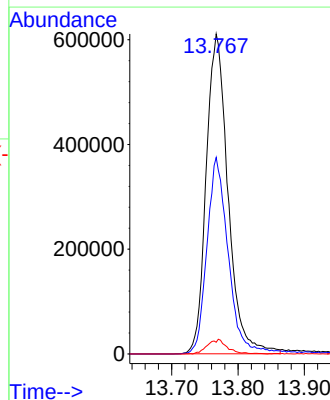
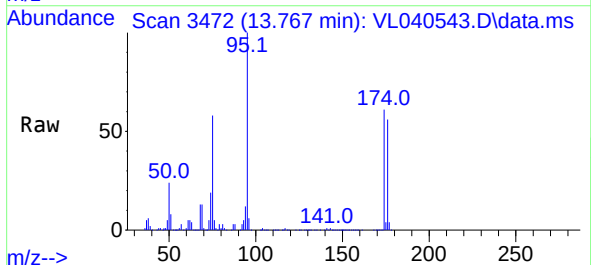
Instrument :
MSVOA_L
ClientSampleId :

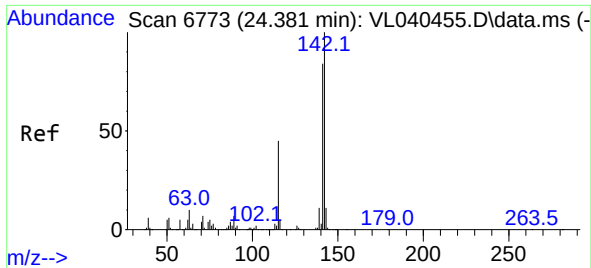
Tgt Ion:117 Resp: 1845848
Ion Ratio Lower Upper
117 100
82 67.7 50.2 75.4
119 33.0 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.580 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.016 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

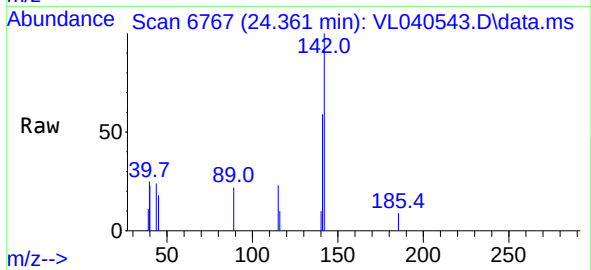
Tgt Ion: 95 Resp: 1399551
Ion Ratio Lower Upper
95 100
174 60.2 50.6 75.8
175 4.2 3.7 5.5





#80
Naphthalene, 2-methyl-
Concen: 0.037 ppbv
RT: 24.361 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL040543.D
Acq: 26 Jul 2023 15:01

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:142 Resp: 3037
Ion Ratio Lower Upper
142 100
141 101.1 66.7 100.1#
115 0.0 33.0 49.6#

