

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040551.D
 Acq On : 26 Jul 2023 21:57
 Operator : SY/MD
 Sample : 03730-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 01:52:42 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)

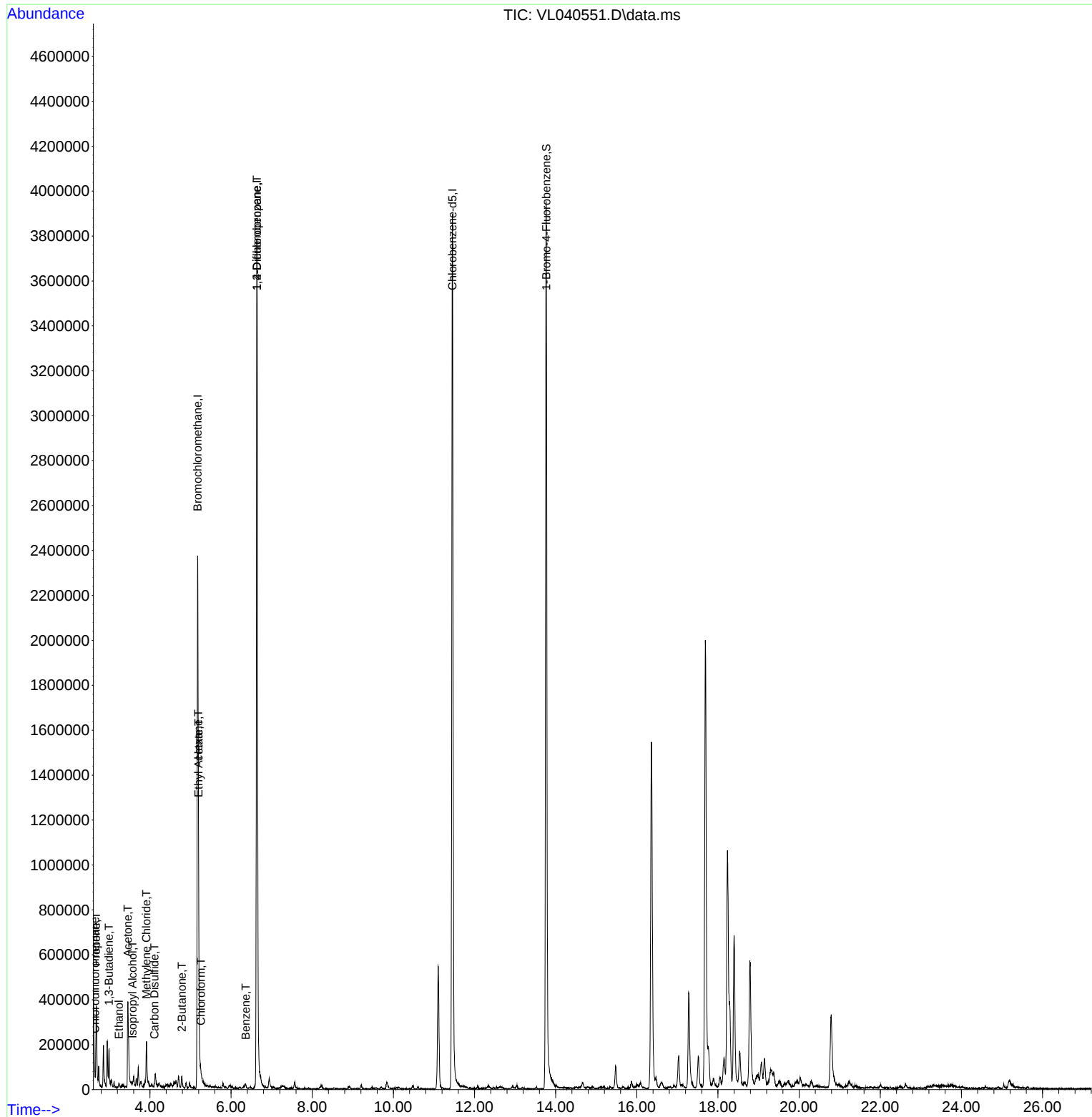
Internal Standards						
1) Bromochloromethane	5.176	49	1079391	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.635	114	2864570	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	2508057	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1962678	9.888	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.652	51	5332	0.031	ppbv	99
9) Propene	2.674	41	128045	2.186	ppbv	95
13) Ethanol	3.237	45	17152	1.346	ppbv	73
15) Acetone	3.455	43	433479	3.489	ppbv	92
16) 1,3-Butadiene	2.989	39	21218	0.339	ppbv #	8
19) Isopropyl Alcohol	3.571	45	14537	0.204	ppbv #	96
20) Methylene Chloride	3.912	84	65383	1.237	ppbv	86
25) Ethyl Acetate	5.198	43	154609	0.654	ppbv #	78
26) Hexane	5.195	57	225145	2.049	ppbv #	41
27) Carbon Disulfide	4.108	76	11474	0.089	ppbv #	59
29) Chloroform	5.256	83	7498	0.041	ppbv	95
34) 2-Butanone	4.787	43	52268	0.369	ppbv #	84
36) Benzene	6.362	78	7279	0.032	ppbv	99
39) 1,2-Dichloropropane	6.635	63	705797	7.955	ppbv #	26

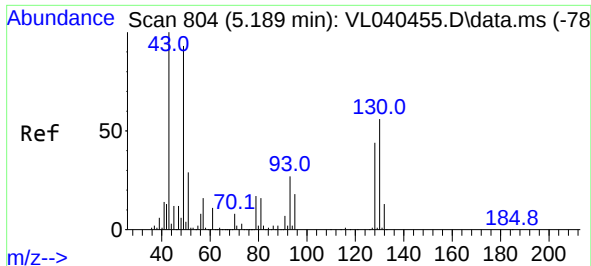
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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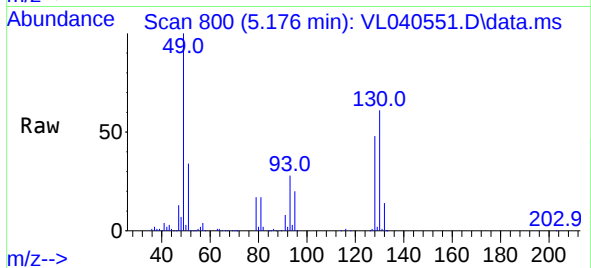
Quant Time: Jul 27 01:52:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
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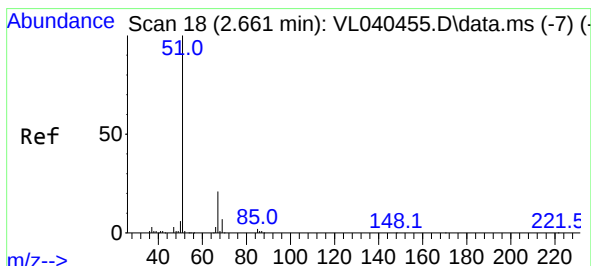
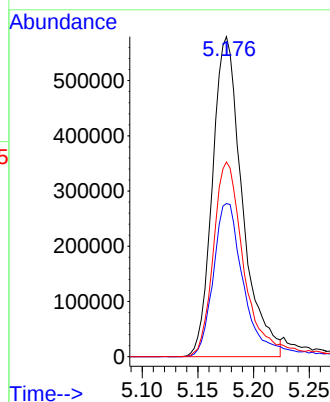
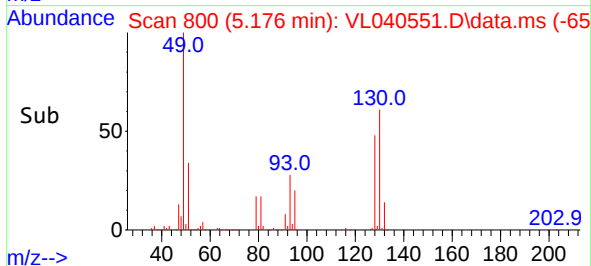


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

Instrument :
MSVOA_L
ClientSampleId :

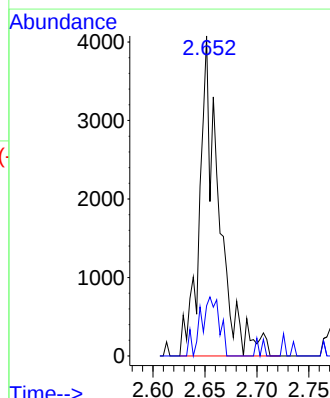
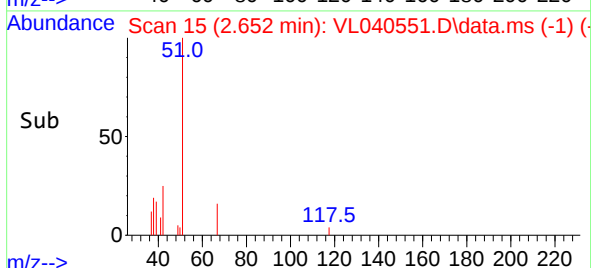
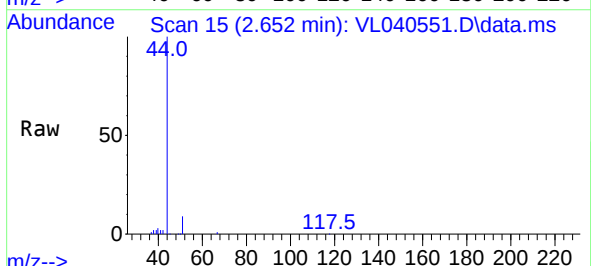


Tgt Ion: 49 Resp: 1079391
Ion Ratio Lower Upper
49 100
128 51.1 25.1 75.4
130 66.0 31.6 94.7

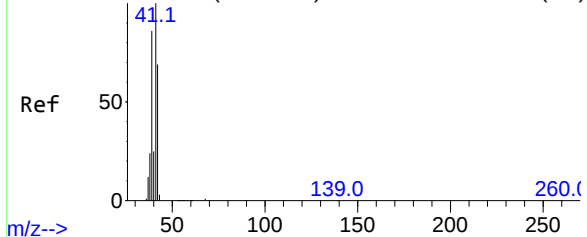


#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 2.652 min Scan# 15
Delta R.T. -0.032 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

Tgt Ion: 51 Resp: 5332
Ion Ratio Lower Upper
51 100
67 17.8 14.6 21.8



Abundance Scan 23 (2.677 min): VL040455.D\data.ms (-15)



#9

Propene

Concen: 2.186 ppbv

RT: 2.674 min Scan# 21

Delta R.T. -0.029 min

Lab File: VL040551.D

Acq: 26 Jul 2023 21:57

Instrument :

MSVOA_L

ClientSampleId :

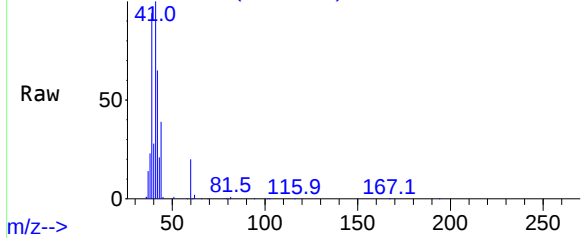
Tgt Ion: 41 Resp: 128045

Ion Ratio Lower Upper

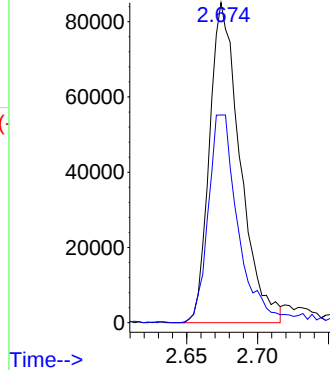
41 100

42 64.5 55.0 82.6

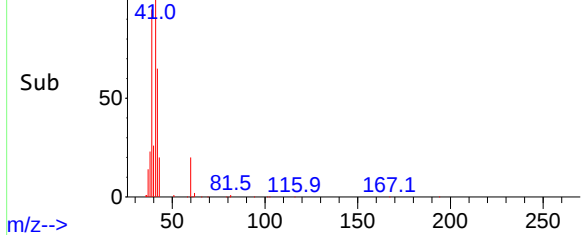
Abundance Scan 22 (2.674 min): VL040551.D\data.ms



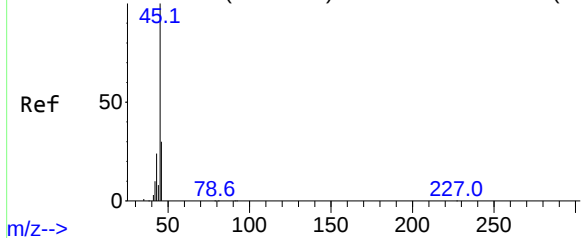
Abundance



Abundance Scan 22 (2.674 min): VL040551.D\data.ms (-1)



Abundance Scan 194 (3.227 min): VL040455.D\data.ms (-18)



#13

Ethanol

Concen: 1.346 ppbv

RT: 3.237 min Scan# 197

Delta R.T. -0.010 min

Lab File: VL040551.D

Acq: 26 Jul 2023 21:57

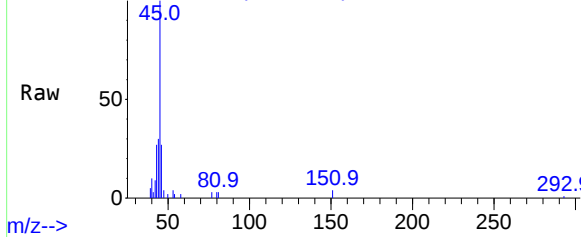
Tgt Ion: 45 Resp: 17152

Ion Ratio Lower Upper

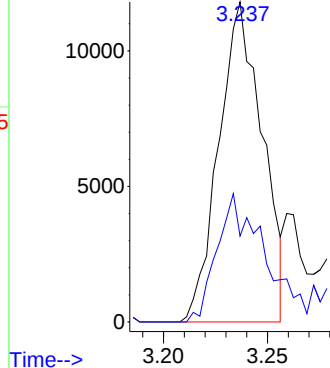
45 100

46 54.5 15.3 61.1

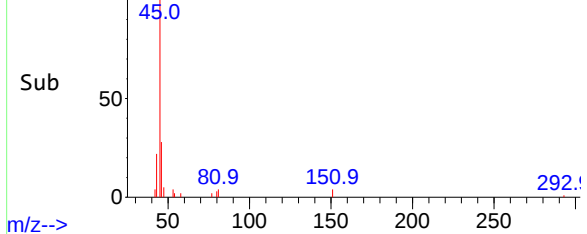
Abundance Scan 197 (3.237 min): VL040551.D\data.ms

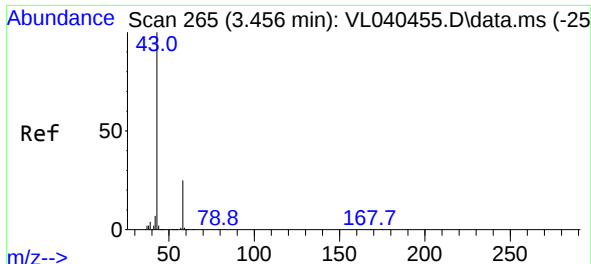


Abundance



Abundance Scan 197 (3.237 min): VL040551.D\data.ms (-45)





#15

Acetone

Concen: 3.489 ppbv

RT: 3.455 min Scan# 20

Delta R.T. -0.019 min

Lab File: VL040551.D

Acq: 26 Jul 2023 21:57

Instrument :

MSVOA_L

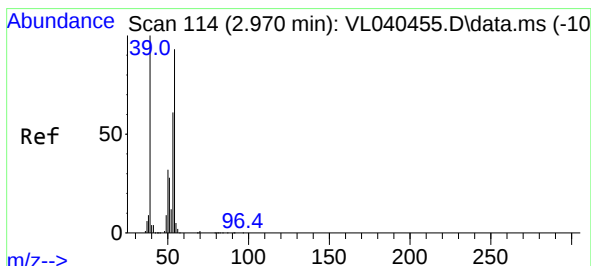
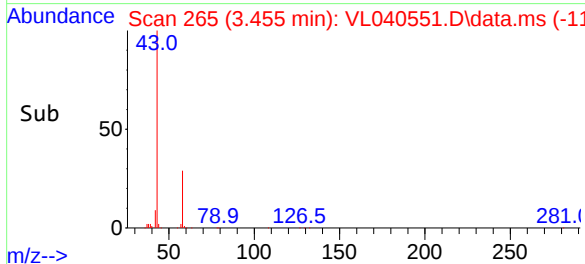
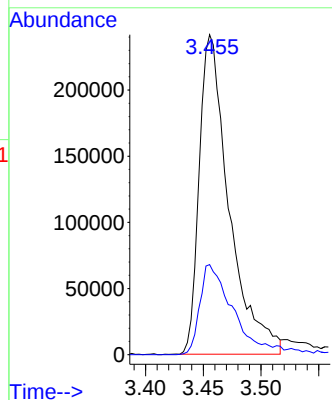
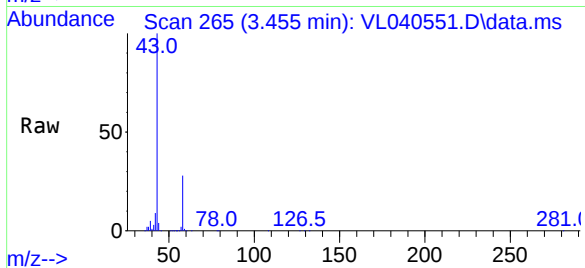
ClientSampleId :

Tgt Ion: 43 Resp: 433479

Ion Ratio Lower Upper

43 100

58 32.8 22.9 34.3



#16

1,3-Butadiene

Concen: 0.339 ppbv

RT: 2.989 min Scan# 120

Delta R.T. -0.003 min

Lab File: VL040551.D

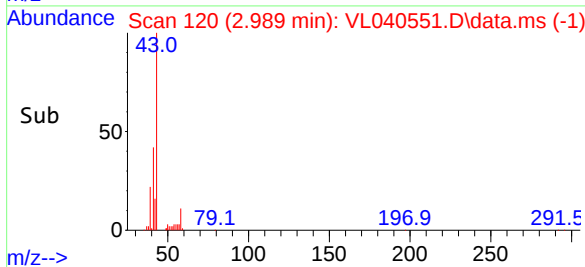
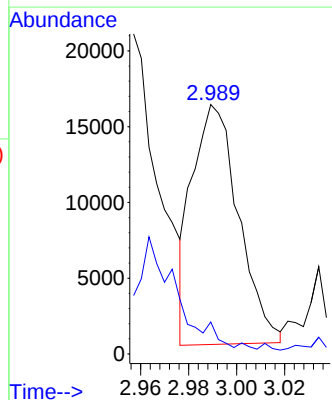
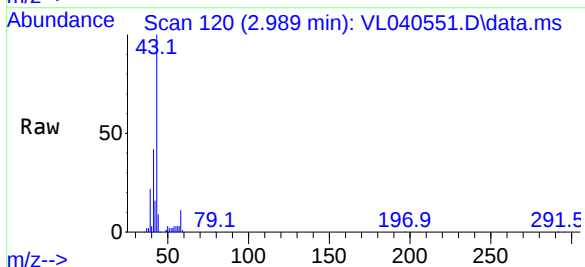
Acq: 26 Jul 2023 21:57

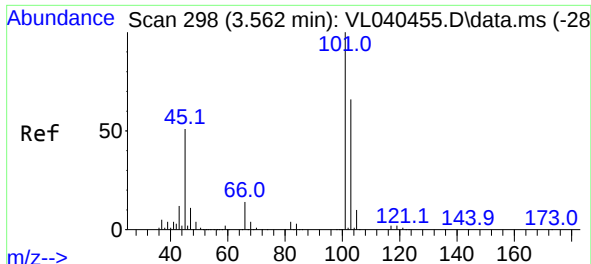
Tgt Ion: 39 Resp: 21218

Ion Ratio Lower Upper

39 100

54 0.0 66.6 100.0#





#19

Isopropyl Alcohol

Concen: 0.204 ppbv

RT: 3.571 min Scan# 301

Delta R.T. -0.010 min

Lab File: VL040551.D

Acq: 26 Jul 2023 21:57

Instrument :

MSVOA_L

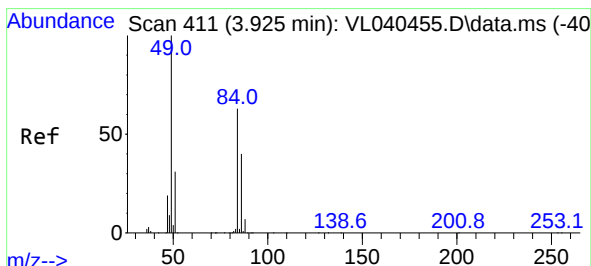
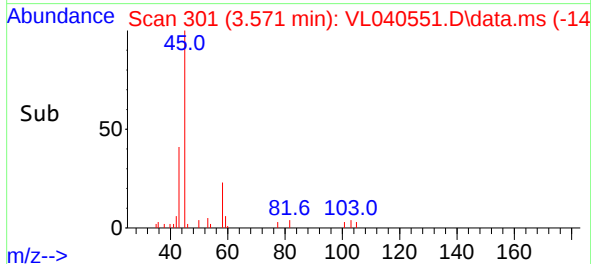
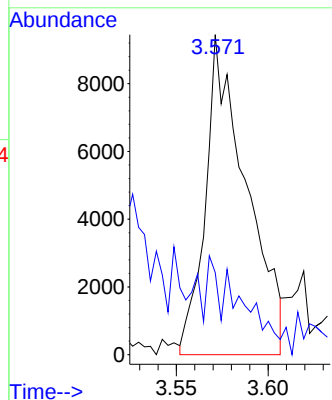
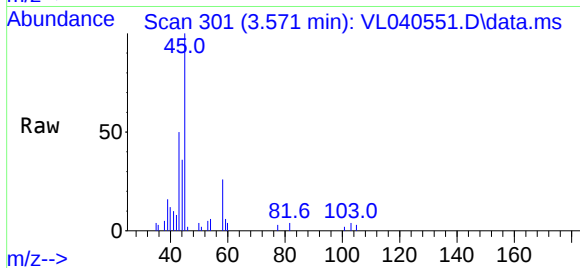
ClientSampleId :

Tgt Ion: 45 Resp: 14537

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#



#20

Methylene Chloride

Concen: 1.237 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.029 min

Lab File: VL040551.D

Acq: 26 Jul 2023 21:57

Tgt Ion: 84 Resp: 65383

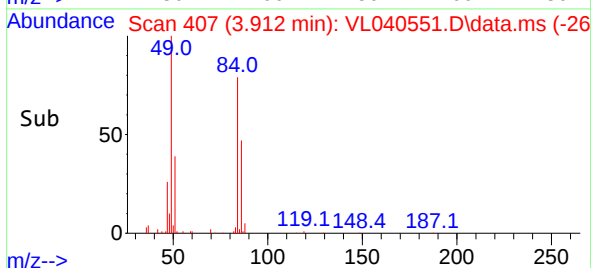
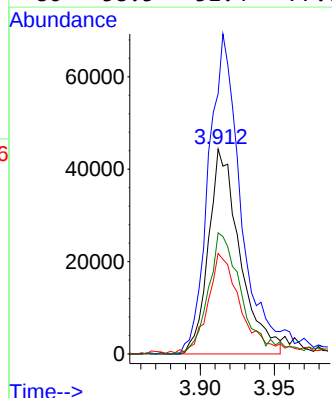
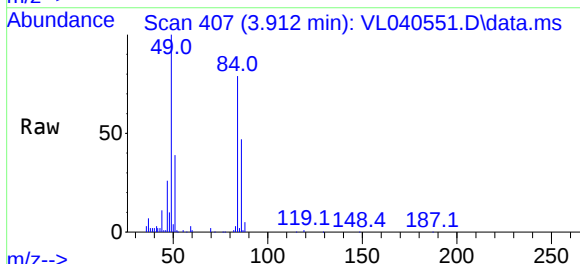
Ion Ratio Lower Upper

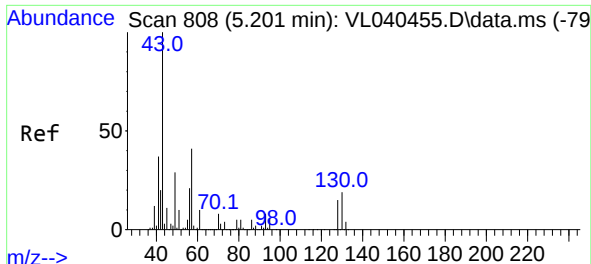
84 100

49 126.9 123.4 185.2

51 47.0 38.3 57.5

86 58.5 51.4 77.0



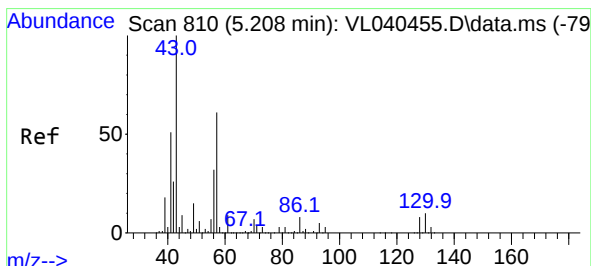
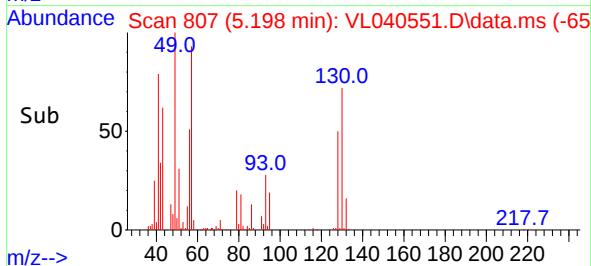
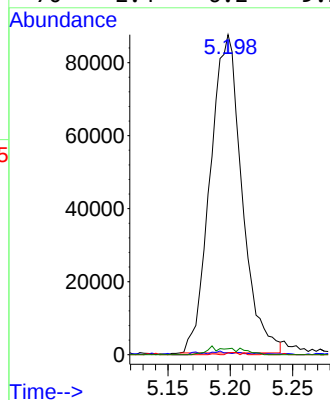
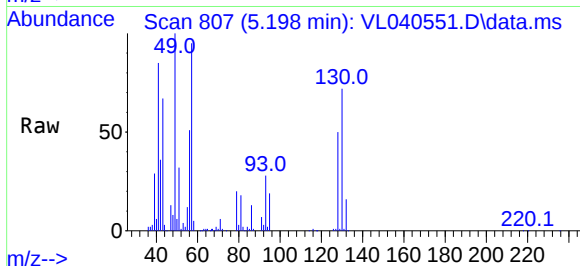


#25
Ethyl Acetate
Concen: 0.654 ppbv
RT: 5.198 min Scan# 806
Delta R.T. -0.013 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 154609

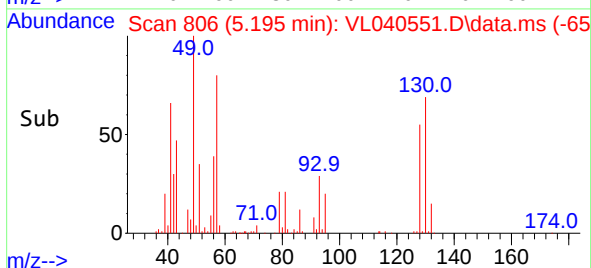
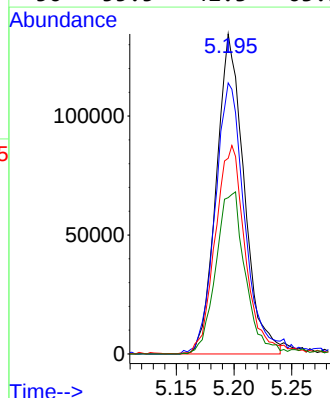
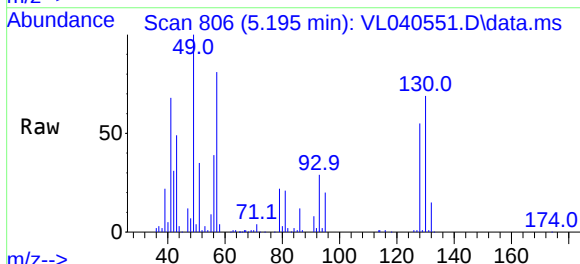
Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.2	12.4#
61	0.3	8.3	12.5#
70	2.4	6.2	9.2#

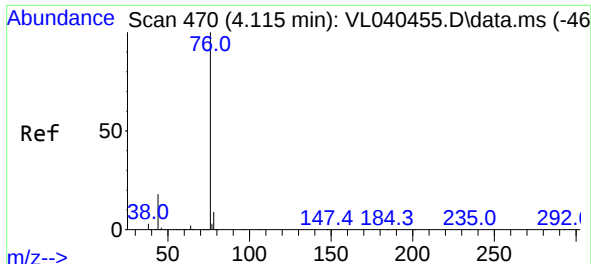


#26
Hexane
Concen: 2.049 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.026 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

Tgt Ion: 57 Resp: 225145

Ion	Ratio	Lower	Upper
57	100		
41	93.8	69.5	104.3
43	72.3	177.1	265.7#
56	55.5	42.3	63.5

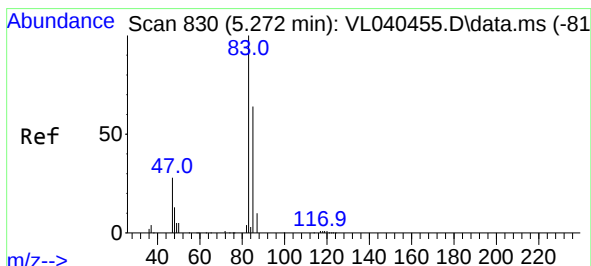
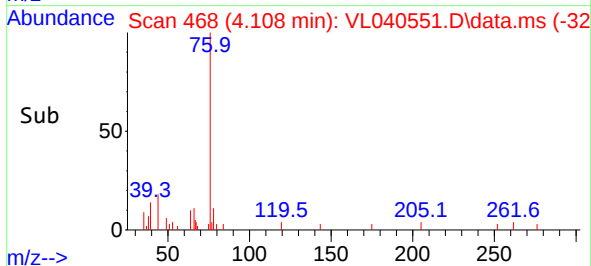
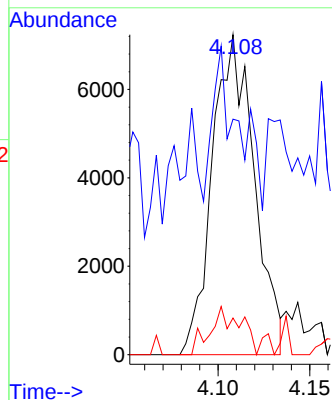
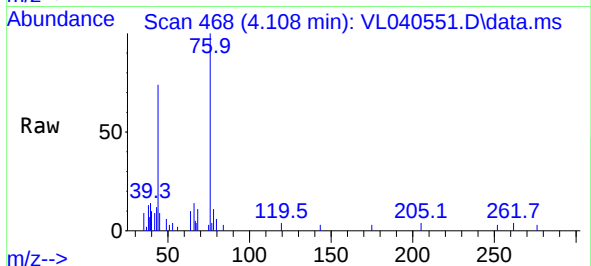




#27
Carbon Disulfide
Concen: 0.089 ppbv
RT: 4.108 min Scan# 411
Delta R.T. -0.023 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

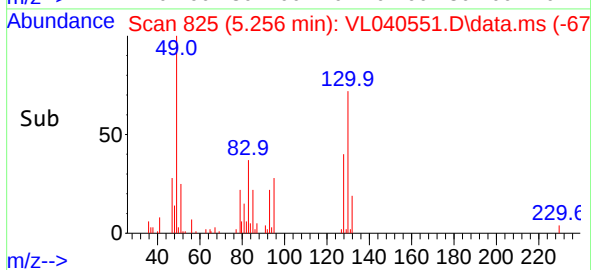
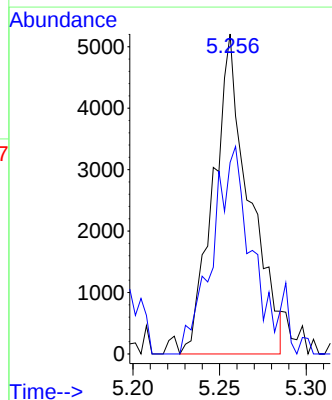
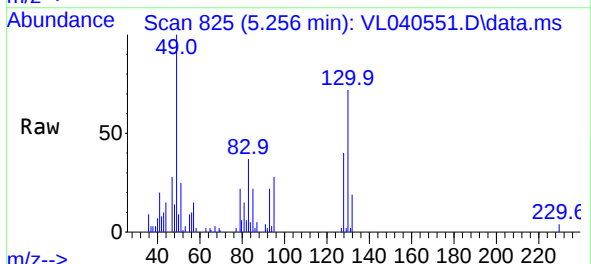
Instrument :
MSVOA_L
ClientSampleId :

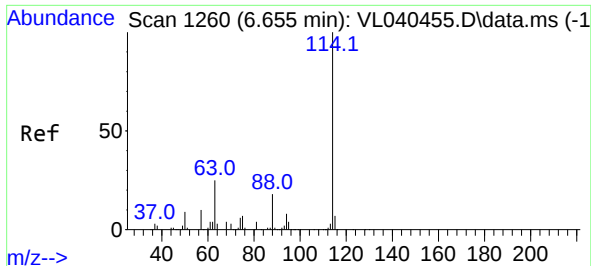
Tgt Ion: 76 Resp: 11474
Ion Ratio Lower Upper
76 100
44 43.4 15.1 22.7#
78 14.3 7.5 11.3#



#29
Chloroform
Concen: 0.041 ppbv
RT: 5.256 min Scan# 825
Delta R.T. -0.029 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

Tgt Ion: 83 Resp: 7498
Ion Ratio Lower Upper
83 100
85 59.9 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. -0.029 min

Lab File: VL040551.D

Acq: 26 Jul 2023 21:57

Instrument :

MSVOA_L

ClientSampleId :

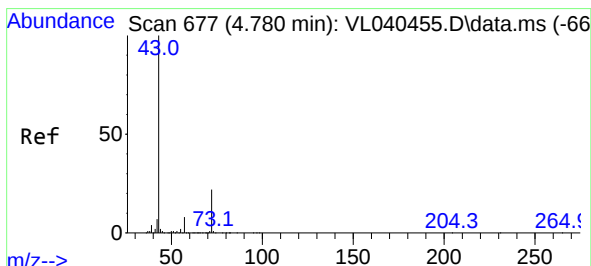
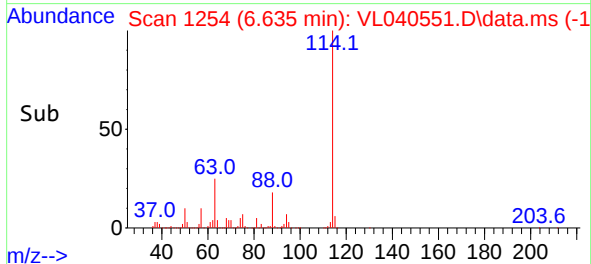
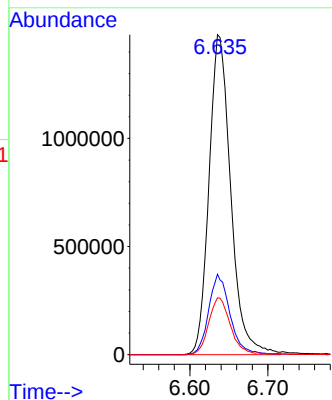
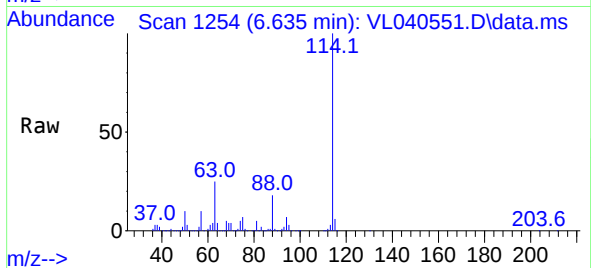
Tgt Ion:114 Resp: 2864570

Ion Ratio Lower Upper

114 100

63 25.0 19.6 29.4

88 18.0 14.2 21.2



#34

2-Butanone

Concen: 0.369 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.007 min

Lab File: VL040551.D

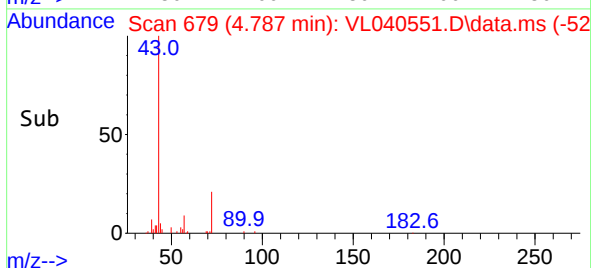
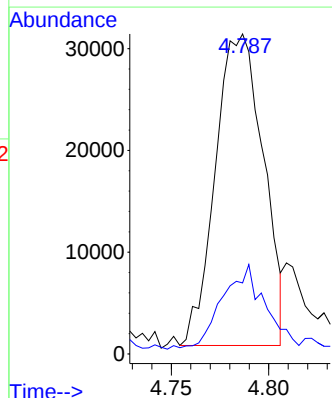
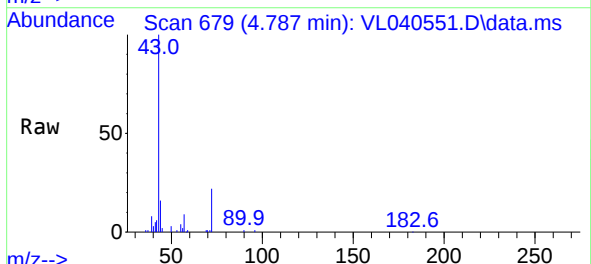
Acq: 26 Jul 2023 21:57

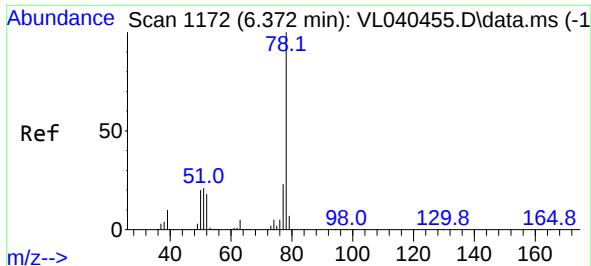
Tgt Ion: 43 Resp: 52268

Ion Ratio Lower Upper

43 100

72 31.9 19.1 28.7#

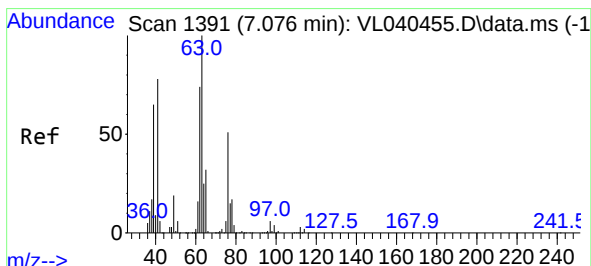
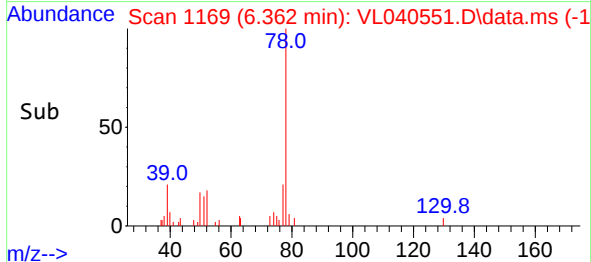
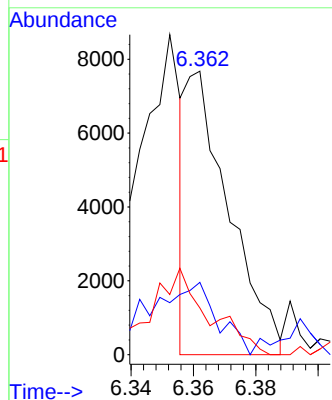
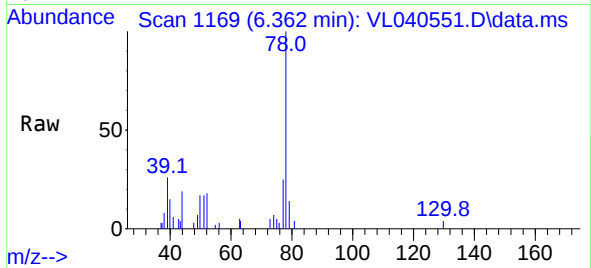




#36
Benzene
Concen: 0.032 ppbv
RT: 6.362 min Scan# 1172
Delta R.T. -0.019 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

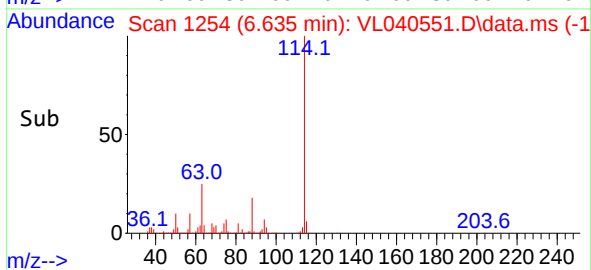
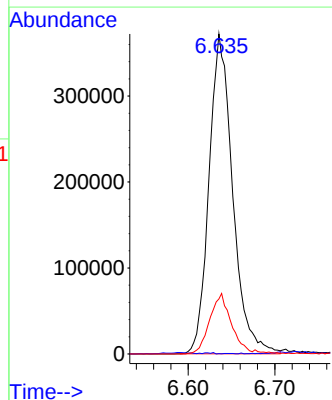
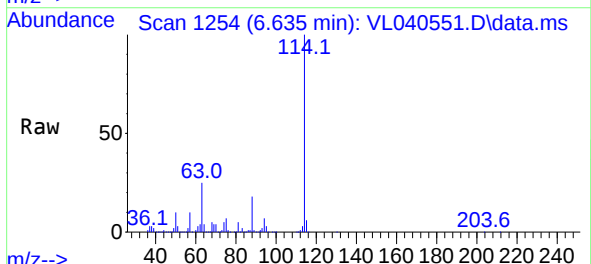
Instrument :
MSVOA_L
ClientSampleId :

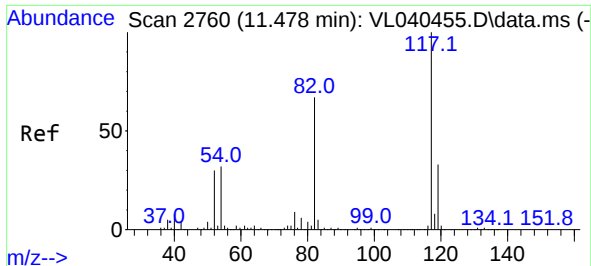
Tgt Ion: 78 Resp: 7279
Ion Ratio Lower Upper
78 100
77 21.5 17.4 26.0
50 17.4 14.4 21.6



#39
1,2-Dichloropropane
Concen: 7.955 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. -0.447 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

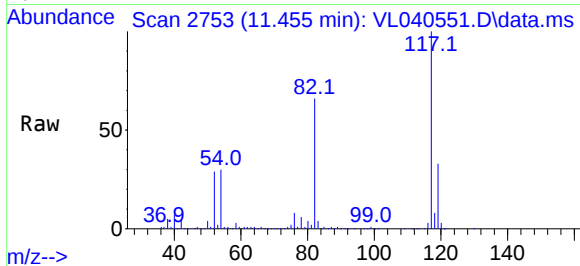
Tgt Ion: 63 Resp: 705797
Ion Ratio Lower Upper
63 100
41 0.0 54.3 81.5#
62 17.2 55.6 83.4#



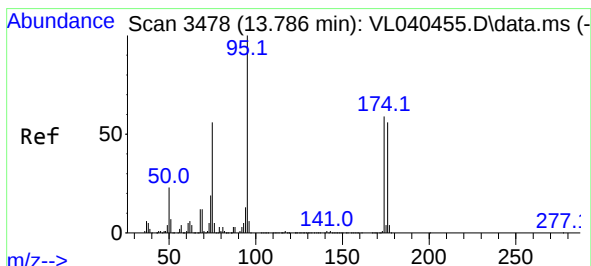
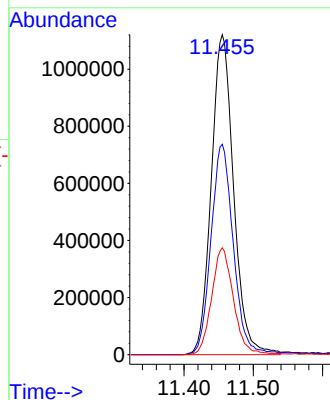
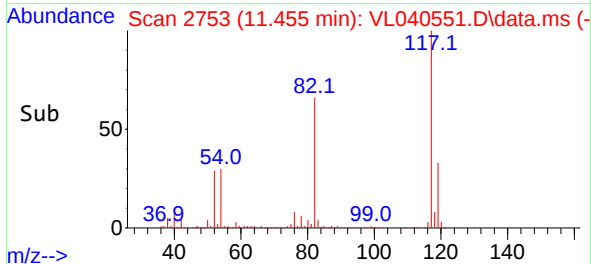


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57

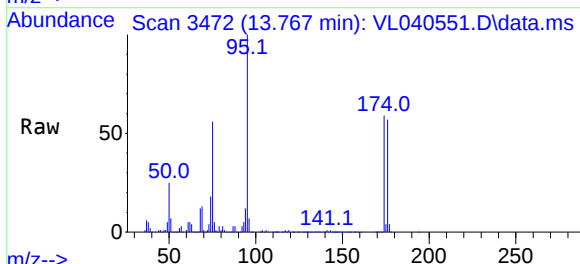
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2508057
Ion Ratio Lower Upper
117 100
82 67.0 50.2 75.4
119 33.0 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.888 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.016 min
Lab File: VL040551.D
Acq: 26 Jul 2023 21:57



Tgt Ion: 95 Resp: 1962678
Ion Ratio Lower Upper
95 100
174 61.2 50.6 75.8
175 4.5 3.7 5.5

