

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040555.D
 Acq On : 27 Jul 2023 00:43
 Operator : SY/MD
 Sample : 03730-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 01:53:30 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)

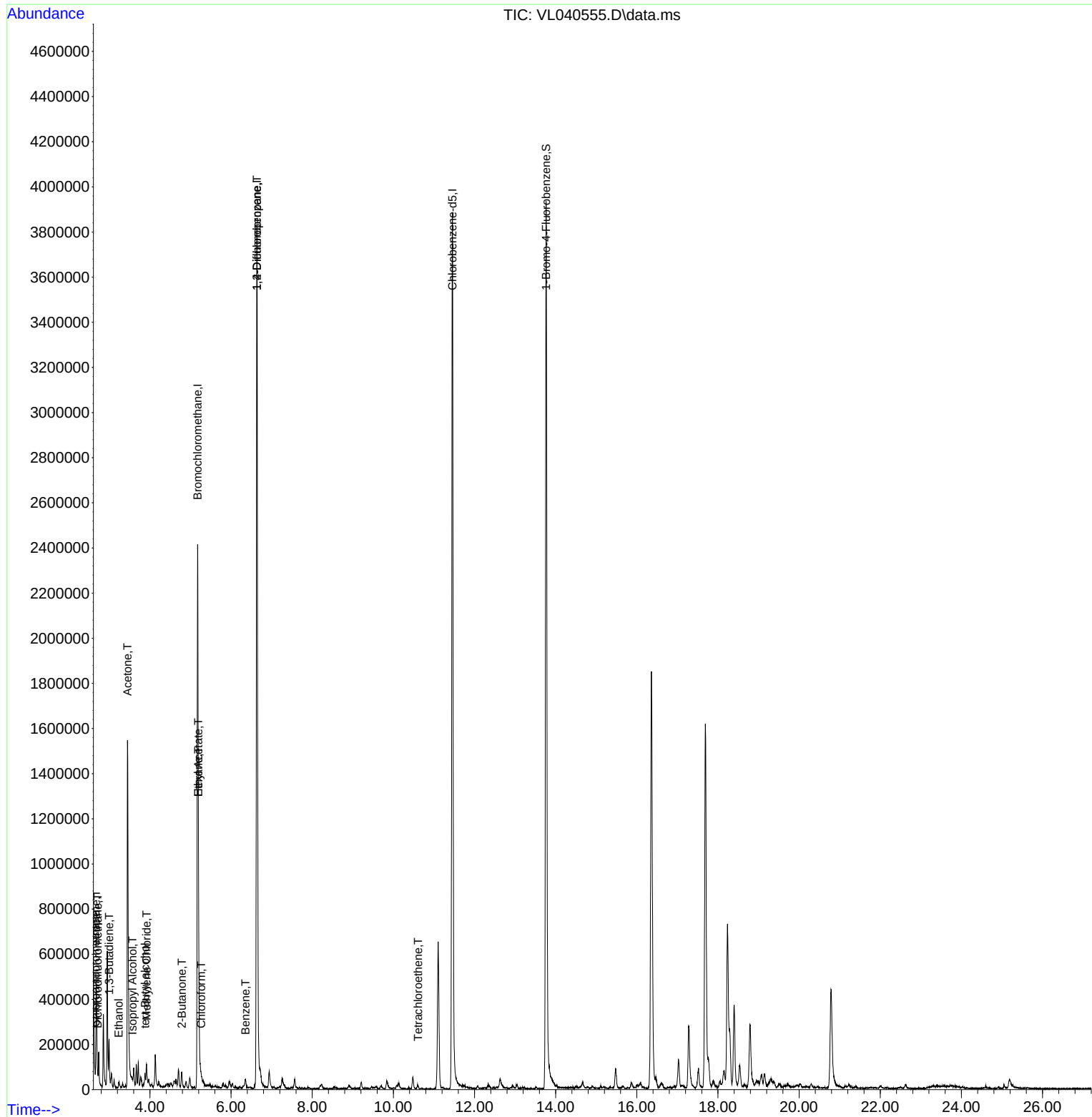
Internal Standards						
1) Bromochloromethane	5.176	49	1128591	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	3014864	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.452	117	2656144	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2048615	9.745	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	22785	0.101	ppbv	90
3) Chlorodifluoromethane	2.658	51	5539	0.031	ppbv	95
9) Propene	2.674	41	172073	2.810	ppbv	94
13) Ethanol	3.230	45	20276	1.522	ppbv	85
15) Acetone	3.449	43	1753264	13.496	ppbv	97
16) 1,3-Butadiene	2.993	39	19318	0.295	ppbv #	8
17) tert-Butyl alcohol	3.880	59	30764	0.229	ppbv #	87
19) Isopropyl Alcohol	3.571	45	7343	0.098	ppbv #	96
20) Methylene Chloride	3.919	84	30118	0.545	ppbv #	89
25) Ethyl Acetate	5.195	43	105930	0.428	ppbv #	78
26) Hexane	5.195	57	162820	1.417	ppbv #	40
29) Chloroform	5.263	83	5755	0.030	ppbv	97
34) 2-Butanone	4.787	43	75736	0.508	ppbv #	90
36) Benzene	6.353	78	29478	0.122	ppbv	93
39) 1,2-Dichloropropane	6.635	63	718780	7.697	ppbv #	26
52) Tetrachloroethene	10.606	164	2622	0.033	ppbv #	67

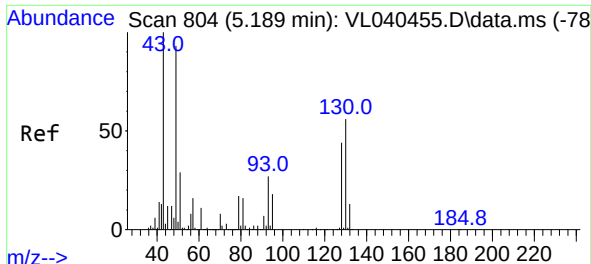
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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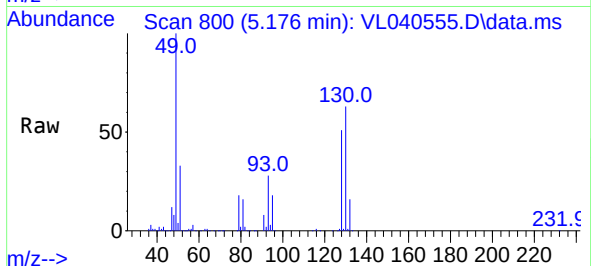
Quant Time: Jul 27 01:53:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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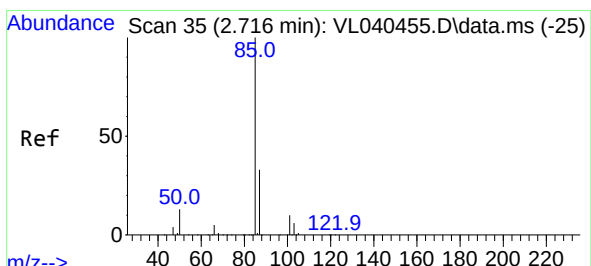
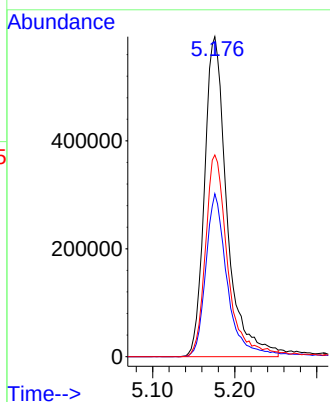
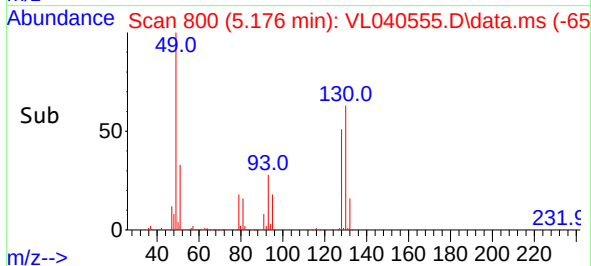


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Instrument :
MSVOA_L
ClientSampleId :

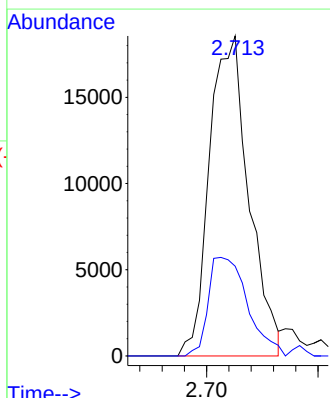
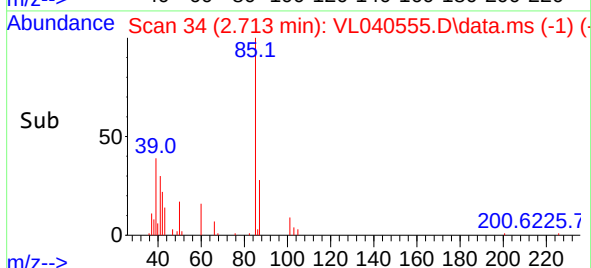
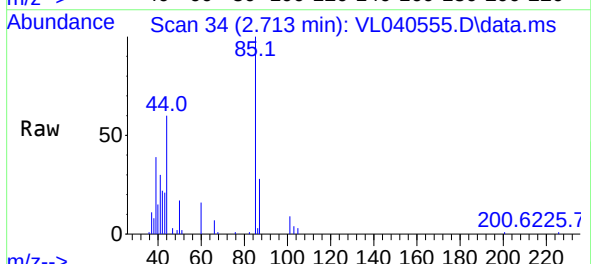


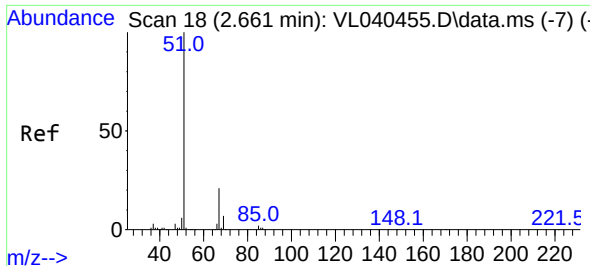
Tgt Ion: 49 Resp: 1128591
Ion Ratio Lower Upper
49 100
128 50.2 25.1 75.4
130 63.6 31.6 94.7



#2
Dichlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Tgt Ion: 85 Resp: 22785
Ion Ratio Lower Upper
85 100
87 28.0 26.8 40.2

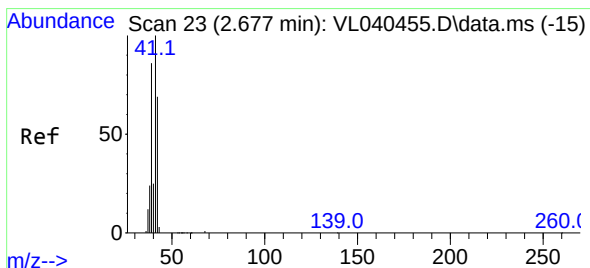
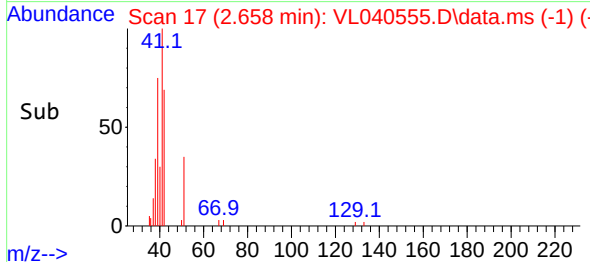
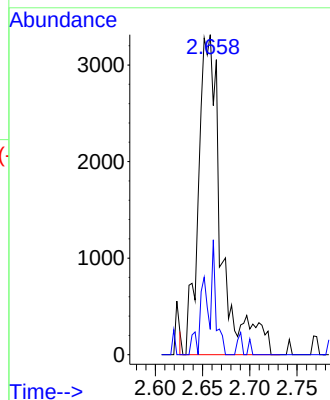
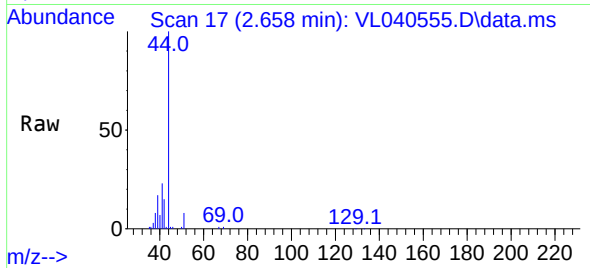




#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

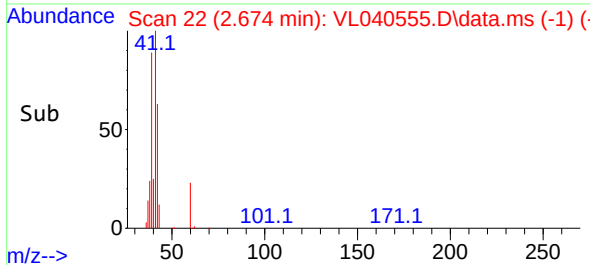
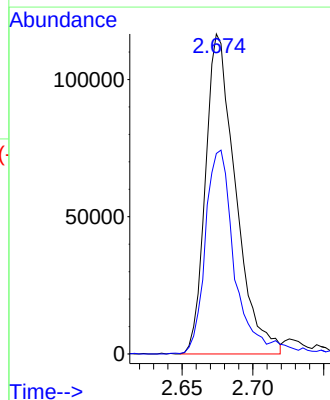
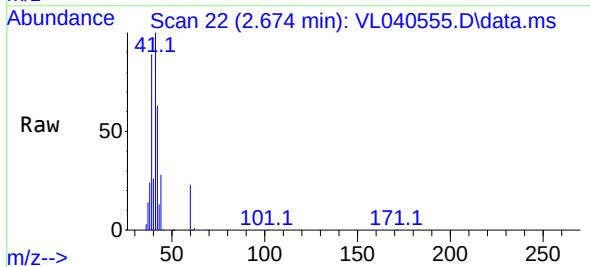
Instrument :
MSVOA_L
ClientSampleId :

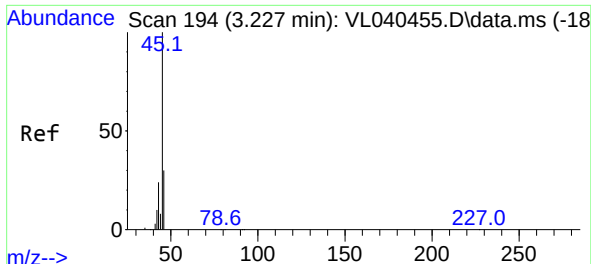
Tgt Ion: 51 Resp: 5539
Ion Ratio Lower Upper
51 100
67 15.9 14.6 21.8



#9
Propene
Concen: 2.810 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.029 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Tgt Ion: 41 Resp: 172073
Ion Ratio Lower Upper
41 100
42 63.5 55.0 82.6

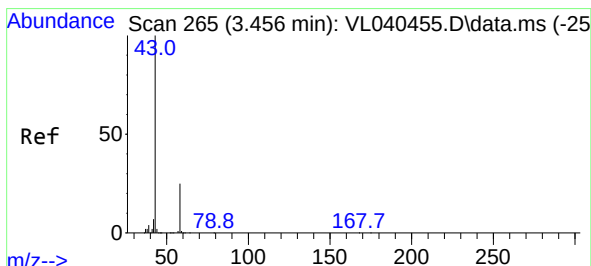
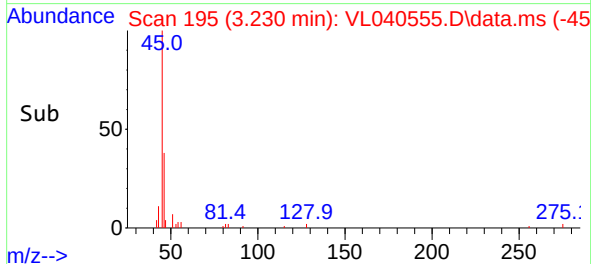
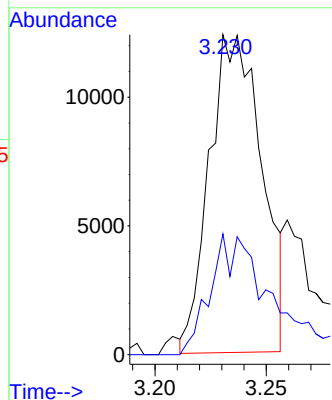
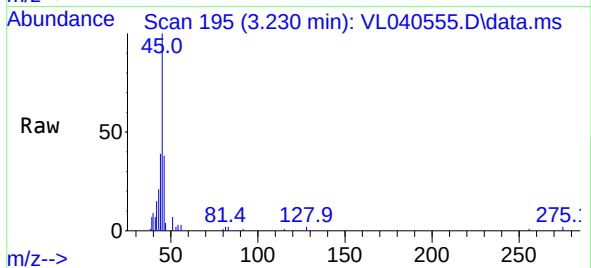




#13
Ethanol
Concen: 1.522 ppbv
RT: 3.230 min Scan# 194
Delta R.T. -0.016 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

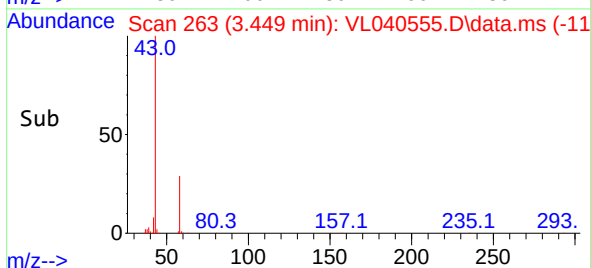
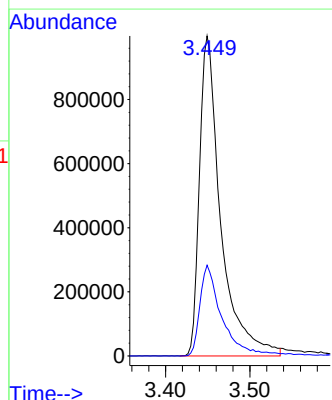
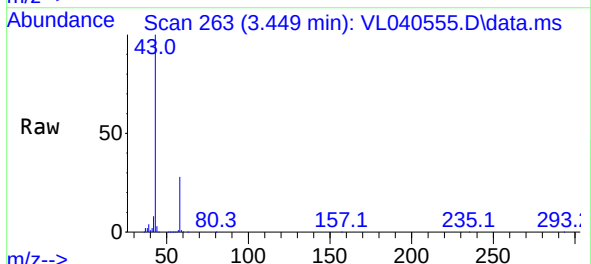
Instrument :
MSVOA_L
ClientSampleId :

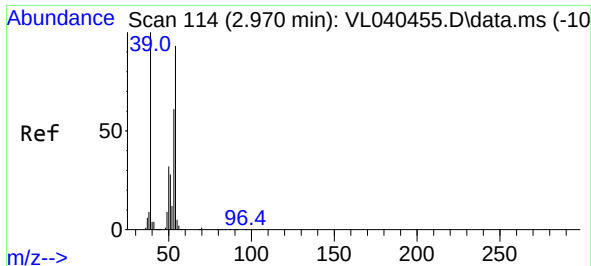
Tgt Ion: 45 Resp: 20276
Ion Ratio Lower Upper
45 100
46 47.5 15.3 61.1



#15
Acetone
Concen: 13.496 ppbv
RT: 3.449 min Scan# 263
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Tgt Ion: 43 Resp: 1753264
Ion Ratio Lower Upper
43 100
58 30.4 22.9 34.3





#16

1,3-Butadiene

Concen: 0.295 ppbv

RT: 2.993 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

Instrument :

MSVOA_L

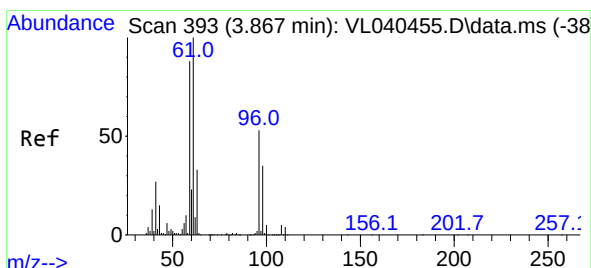
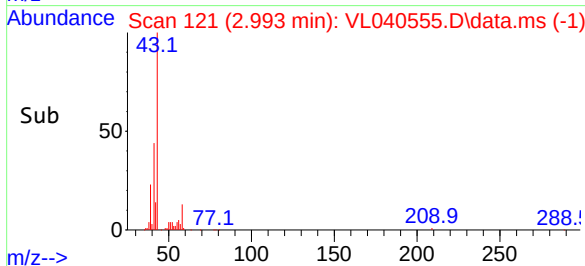
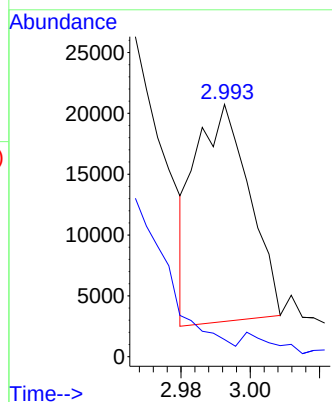
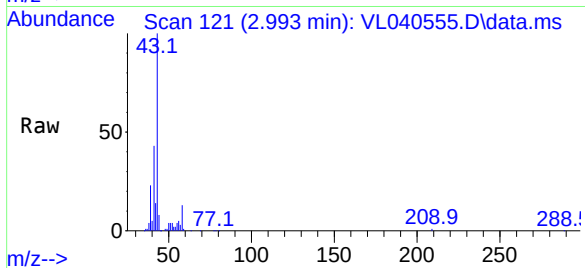
ClientSampleId :

Tgt Ion: 39 Resp: 19318

Ion Ratio Lower Upper

39 100

54 0.0 66.6 100.0#



#17

tert-Butyl alcohol

Concen: 0.229 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.003 min

Lab File: VL040555.D

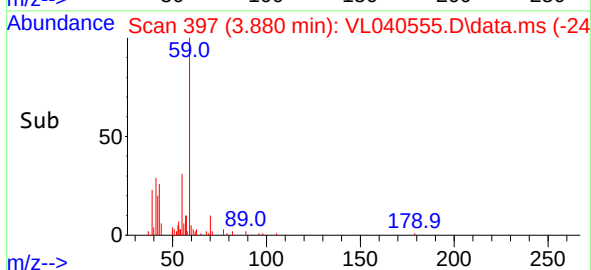
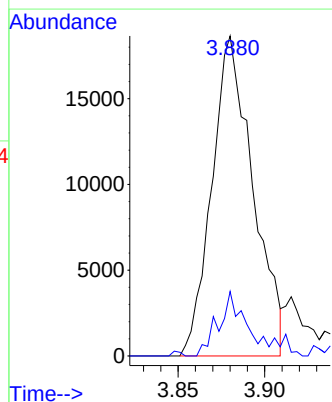
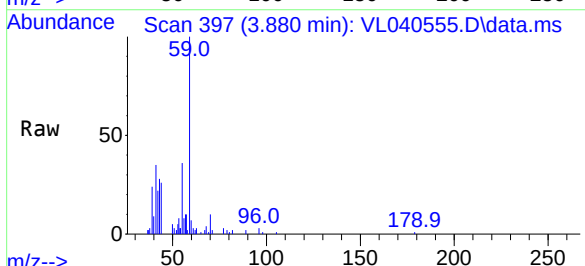
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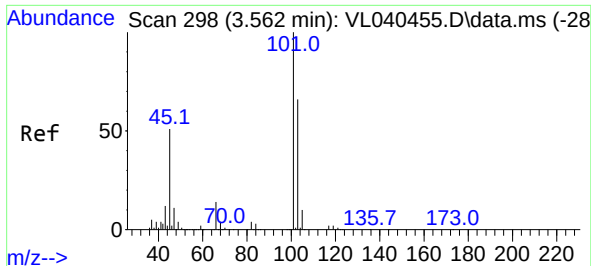
Tgt Ion: 59 Resp: 30764

Ion Ratio Lower Upper

59 100

57 15.8 8.7 13.1#





#19

Isopropyl Alcohol

Concen: 0.098 ppbv

RT: 3.571 min Scan# 301

Delta R.T. -0.010 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

Instrument :

MSVOA_L

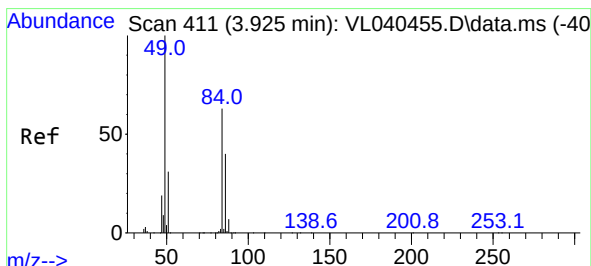
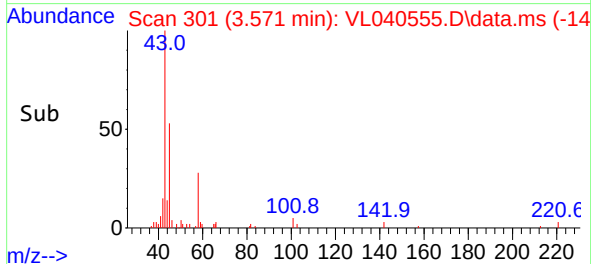
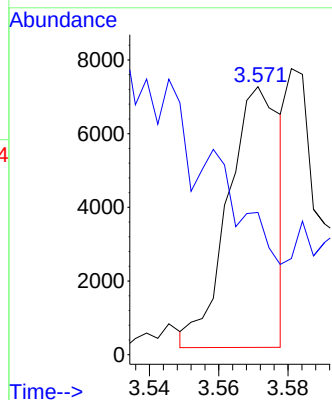
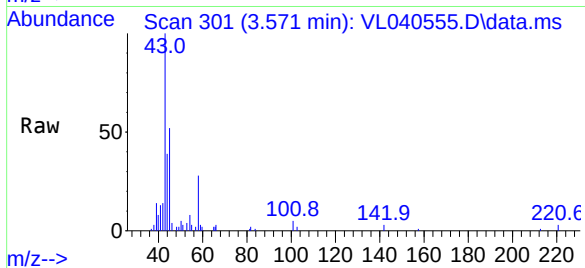
ClientSampleId :

Tgt Ion: 45 Resp: 7343

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#



#20

Methylene Chloride

Concen: 0.545 ppbv

RT: 3.919 min Scan# 409

Delta R.T. -0.023 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

Tgt Ion: 84 Resp: 30118

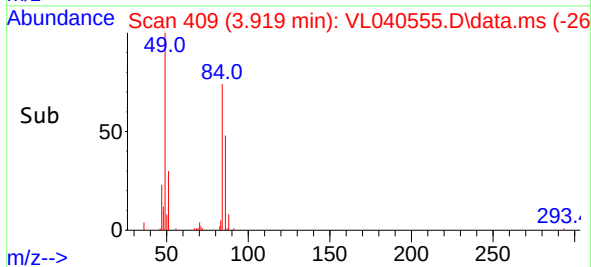
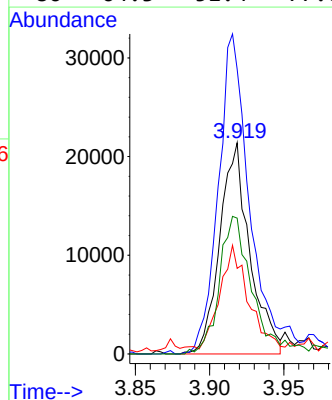
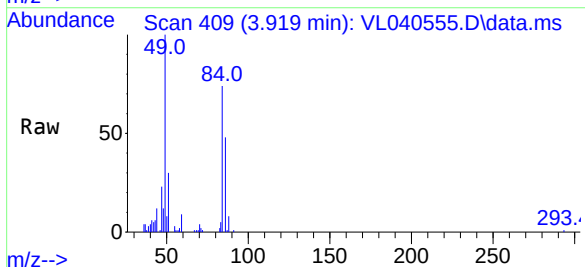
Ion Ratio Lower Upper

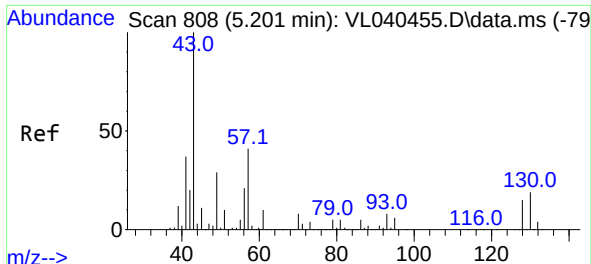
84 100

49 134.9 123.4 185.2

51 37.9 38.3 57.5#

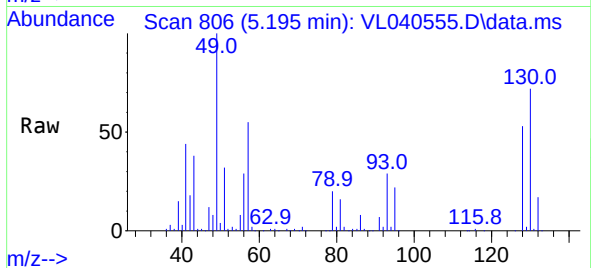
86 64.3 51.4 77.0



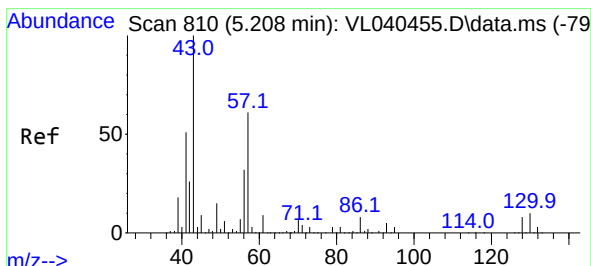
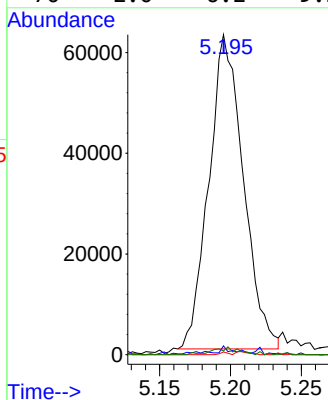
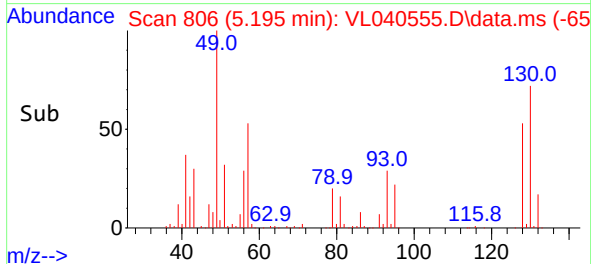


#25
Ethyl Acetate
Concen: 0.428 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.016 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

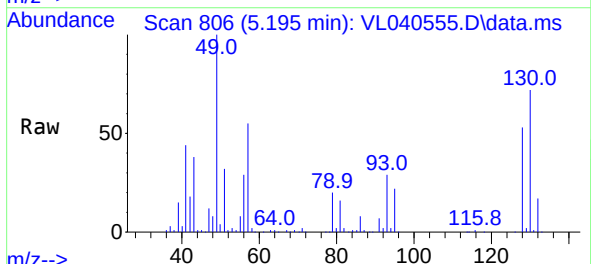
Instrument :
MSVOA_L
ClientSampleId :



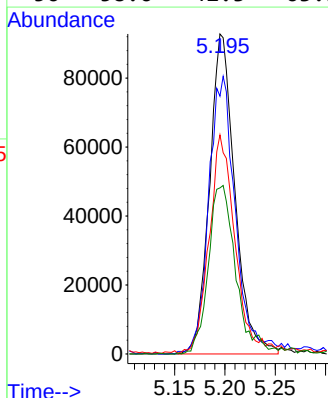
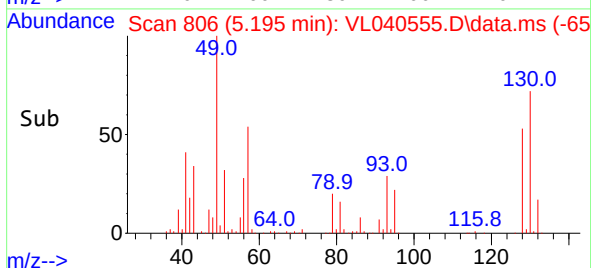
Tgt Ion: 43 Resp: 105930
Ion Ratio Lower Upper
43 100
45 2.5 8.2 12.4#
61 0.6 8.3 12.5#
70 2.0 6.2 9.2#

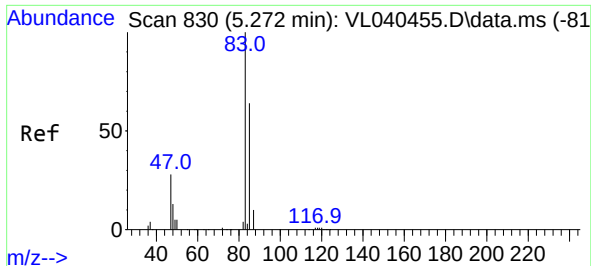


#26
Hexane
Concen: 1.417 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43



Tgt Ion: 57 Resp: 162820
Ion Ratio Lower Upper
57 100
41 92.7 69.5 104.3
43 71.7 177.1 265.7#
56 58.6 42.3 63.5

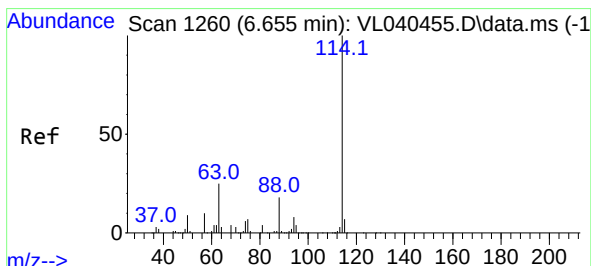
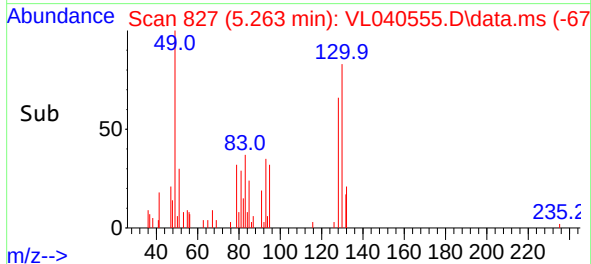
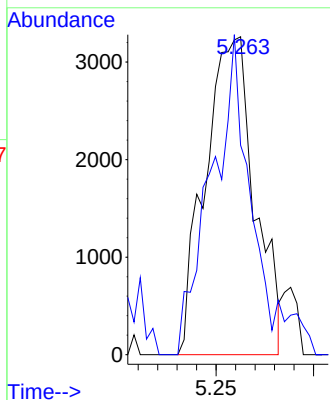
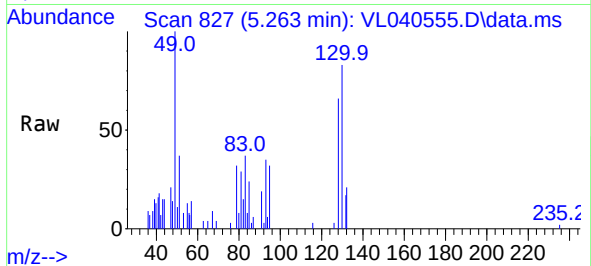




#29
Chloroform
Concen: 0.030 ppbv
RT: 5.263 min Scan# 81
Delta R.T. -0.023 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

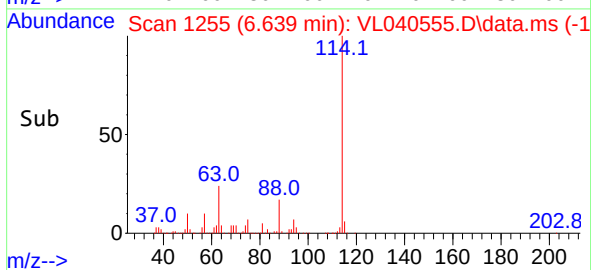
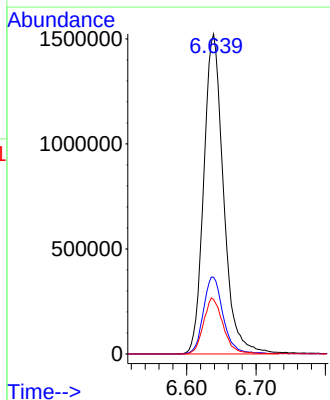
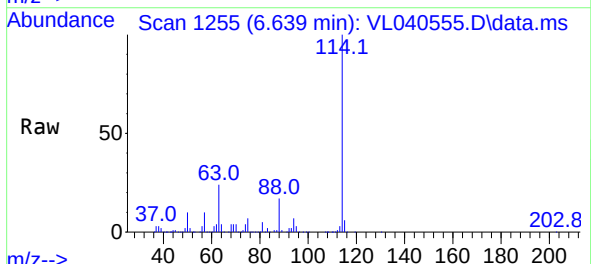
Instrument :
MSVOA_L
ClientSampleId :

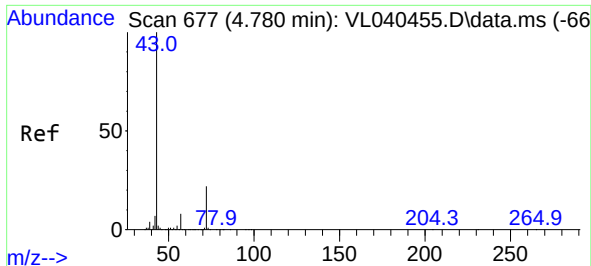
Tgt Ion: 83 Resp: 5755
Ion Ratio Lower Upper
83 100
85 65.9 51.1 76.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Tgt Ion: 114 Resp: 3014864
Ion Ratio Lower Upper
114 100
63 24.2 19.6 29.4
88 17.5 14.2 21.2





#34

2-Butanone

Concen: 0.508 ppbv

RT: 4.787 min Scan# 61

Delta R.T. -0.006 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

Instrument :

MSVOA_L

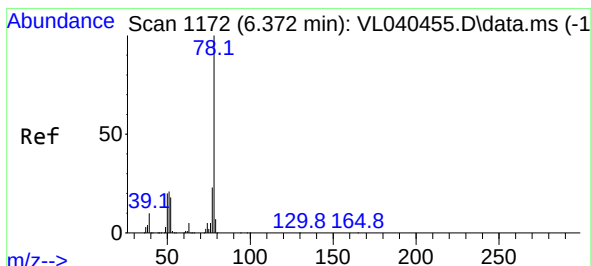
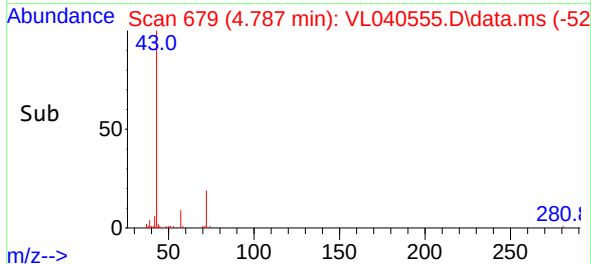
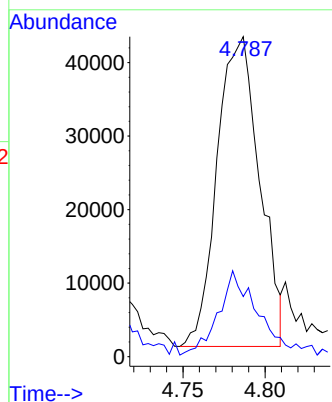
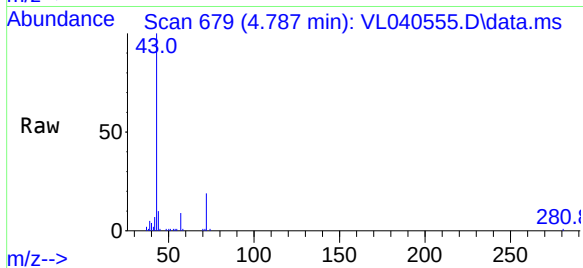
ClientSampleId :

Tgt Ion: 43 Resp: 75736

Ion Ratio Lower Upper

43 100

72 29.0 19.1 28.7#



#36

Benzene

Concen: 0.122 ppbv

RT: 6.353 min Scan# 1166

Delta R.T. -0.029 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

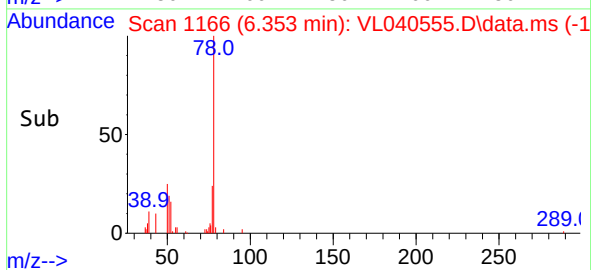
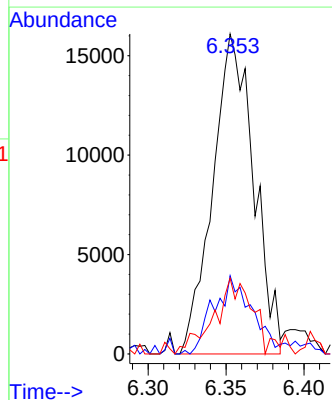
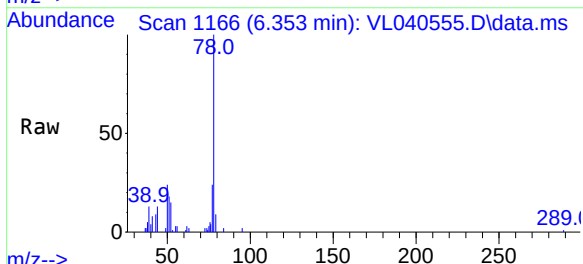
Tgt Ion: 78 Resp: 29478

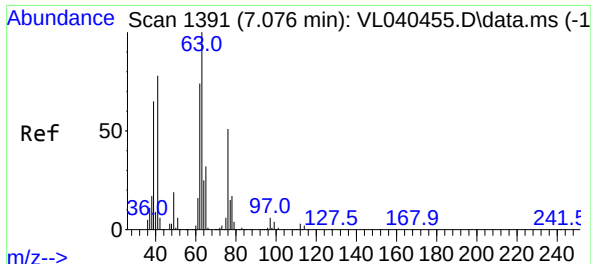
Ion Ratio Lower Upper

78 100

77 24.5 17.4 26.0

50 21.6 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.697 ppbv

RT: 6.635 min Scan# 1

Delta R.T. -0.447 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

Instrument :

MSVOA_L

ClientSampleId :

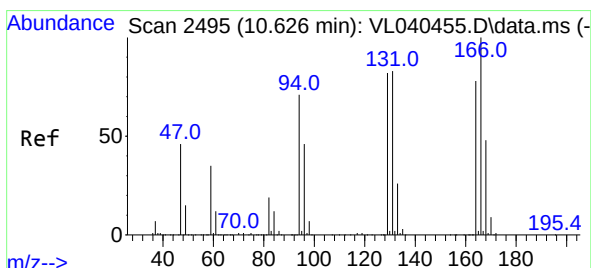
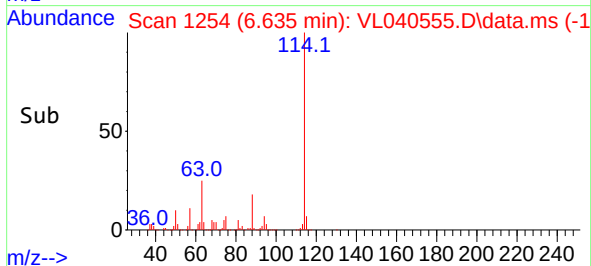
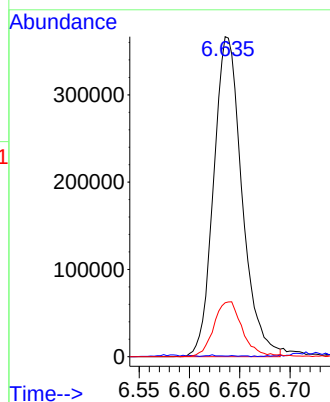
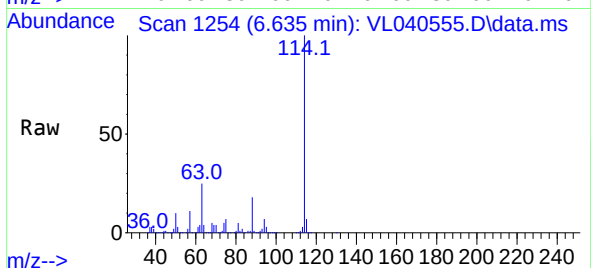
Tgt Ion: 63 Resp: 718780

Ion Ratio Lower Upper

63 100

41 0.0 54.3 81.5#

62 16.9 55.6 83.4#



#52

Tetrachloroethene

Concen: 0.033 ppbv

RT: 10.606 min Scan# 2489

Delta R.T. -0.019 min

Lab File: VL040555.D

Acq: 27 Jul 2023 00:43

Tgt Ion:164 Resp: 2622

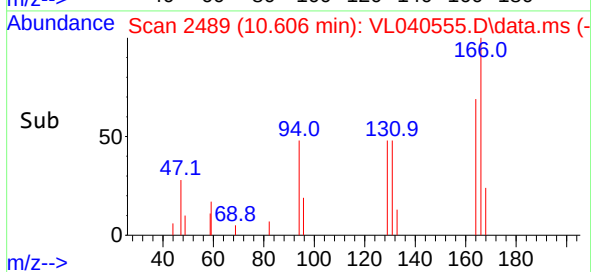
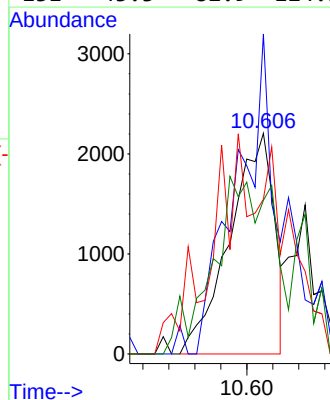
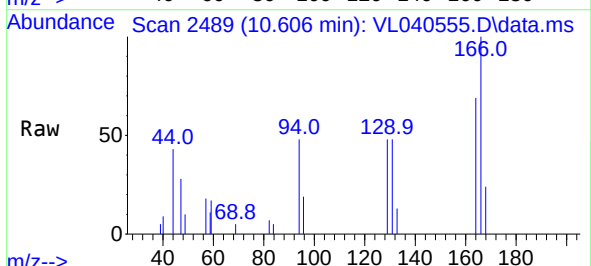
Ion Ratio Lower Upper

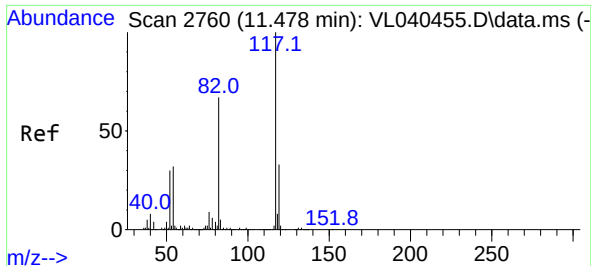
164 100

166 132.2 103.9 155.9

129 59.7 84.6 126.8#

131 43.3 82.9 124.3#

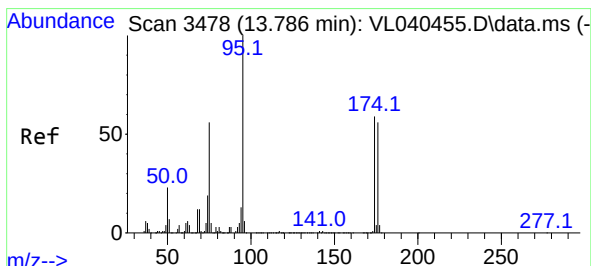
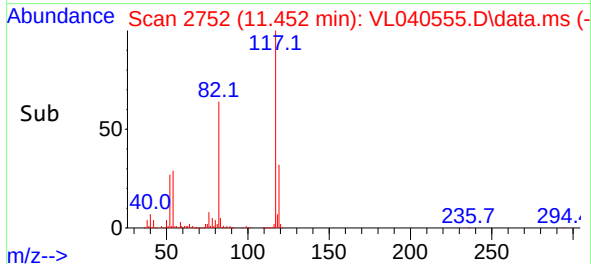
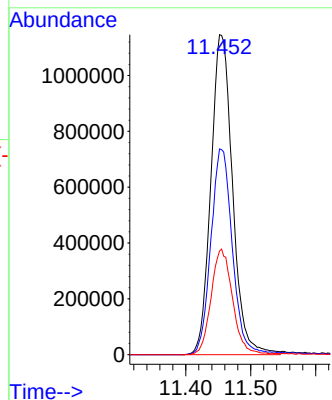
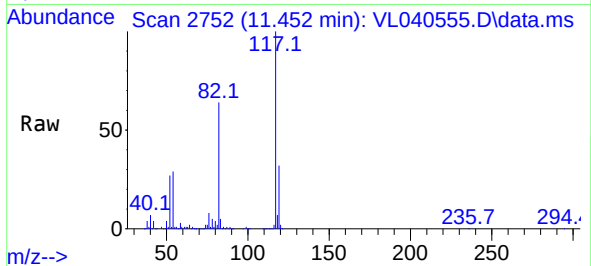




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2656144
Ion Ratio Lower Upper
117 100
82 64.8 50.2 75.4
119 33.1 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.745 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.019 min
Lab File: VL040555.D
Acq: 27 Jul 2023 00:43

Tgt Ion: 95 Resp: 2048615
Ion Ratio Lower Upper
95 100
174 63.4 50.6 75.8
175 4.5 3.7 5.5

