

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040660.D
 Acq On : 5 Sep 2023 23:47
 Operator : SY/MD
 Sample : 04281-04DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 06 02:08:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

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

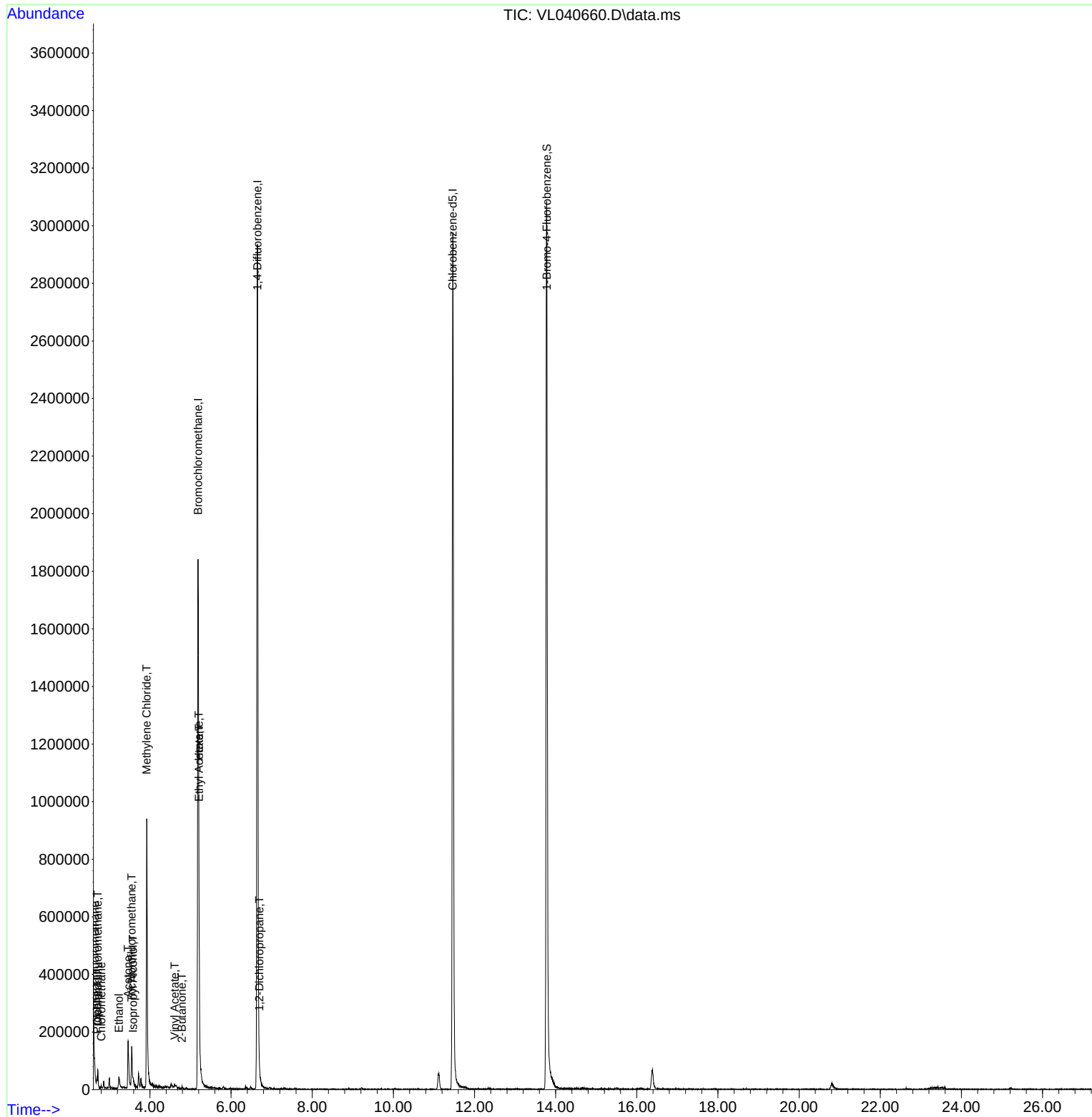
Internal Standards						
1) Bromochloromethane	5.185	49	769571	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2032994	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	1812983	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1451331	10.066	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	41672	0.251	ppbv	97
3) Chlorodifluoromethane	2.639	51	22942	0.182	ppbv #	80
4) Chloromethane	2.803	50	6507	0.132	ppbv	97
9) Propene	2.693	41	5835	0.149	ppbv	85
11) Trichlorofluoromethane	3.549	101	90019	0.673	ppbv	90
13) Ethanol	3.237	45	42225	3.864	ppbv	89
15) Acetone	3.459	43	171600	1.823	ppbv	95
19) Isopropyl Alcohol	3.584	45	15987	0.268	ppbv #	48
20) Methylene Chloride	3.922	84	335350	7.290	ppbv	98
23) Vinyl Acetate	4.610	43	6558	0.061	ppbv #	69
25) Ethyl Acetate	5.208	43	110016	0.622	ppbv #	79
26) Hexane	5.205	57	158690	1.855	ppbv #	38
34) 2-Butanone	4.787	43	3687	0.036	ppbv #	51
39) 1,2-Dichloropropane	6.693	63	5617	0.091	ppbv #	28

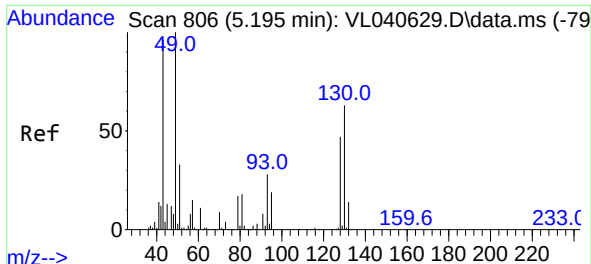
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
Data File : VL040660.D
Acq On : 5 Sep 2023 23:47
Operator : SY/MD
Sample : 04281-04DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

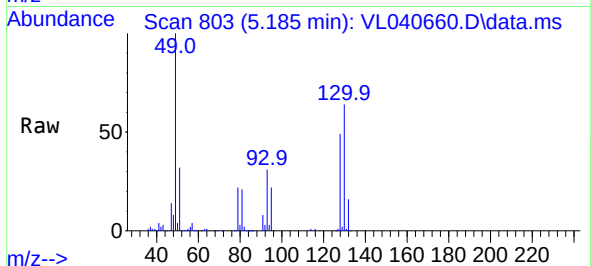
Quant Time: Sep 06 02:08:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration



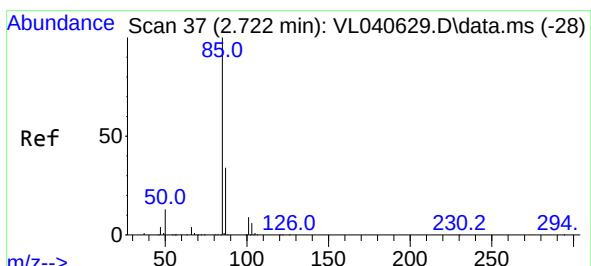
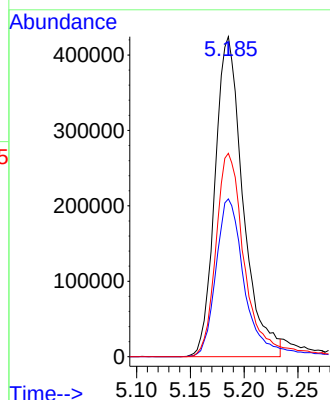
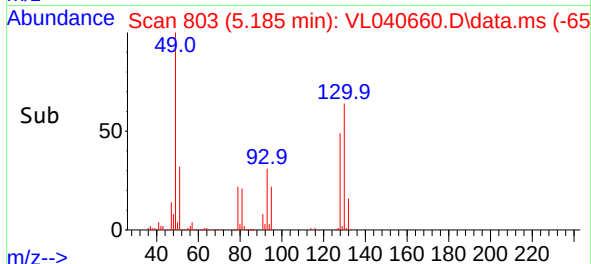


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

Instrument :
MSVOA_L
ClientSampleId :

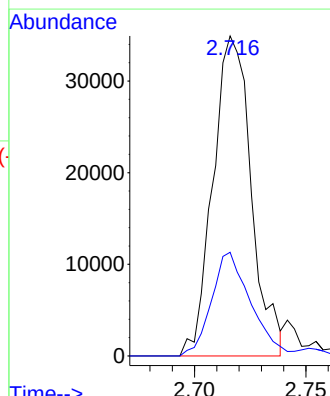
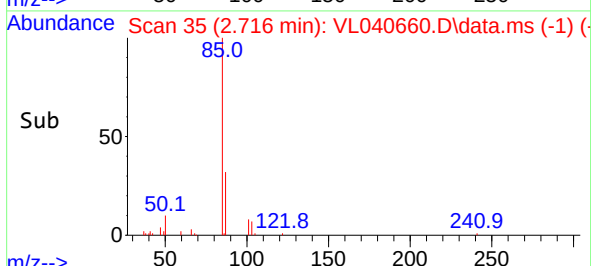
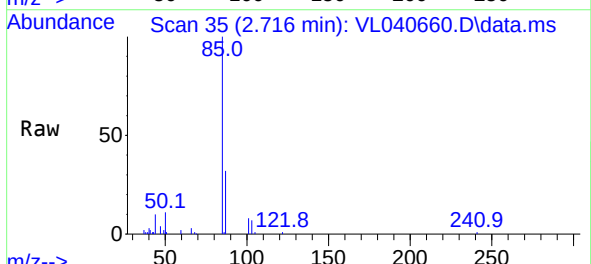


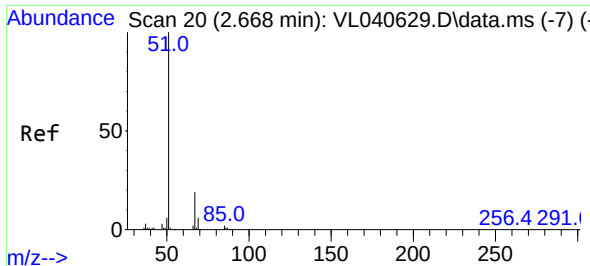
Tgt Ion: 49 Resp: 769571
Ion Ratio Lower Upper
49 100
128 52.4 24.9 74.7
130 67.2 32.2 96.6



#2
Dichlorodifluoromethane
Concen: 0.251 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.007 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

Tgt Ion: 85 Resp: 41672
Ion Ratio Lower Upper
85 100
87 32.4 27.5 41.3

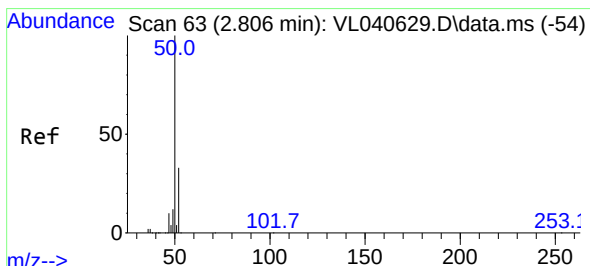
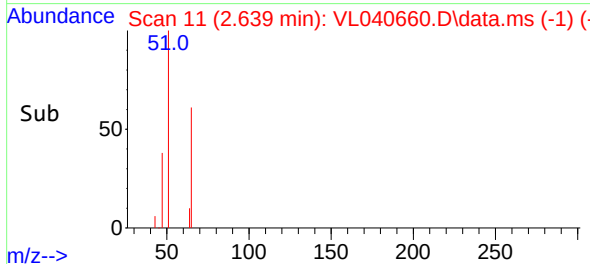
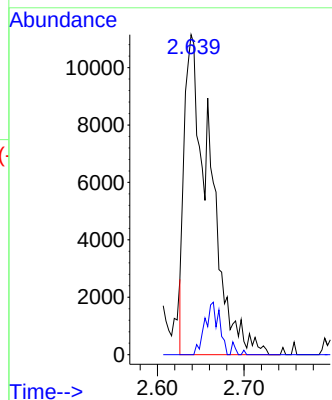
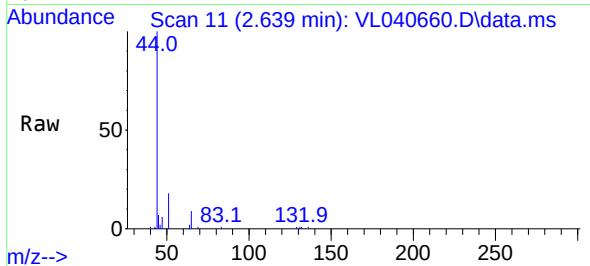




#3
Chlorodifluoromethane
Concen: 0.182 ppbv
RT: 2.639 min Scan# 11
Delta R.T. -0.029 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

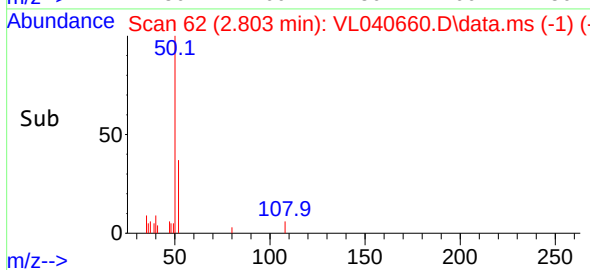
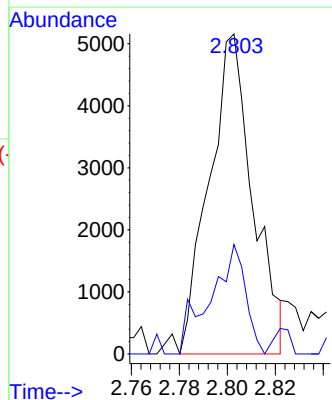
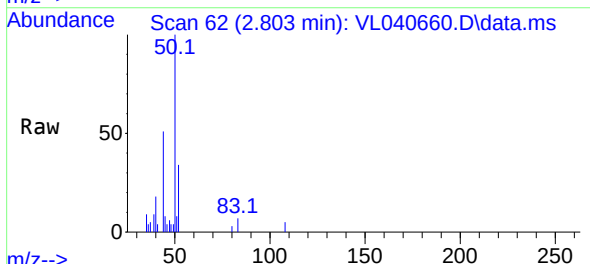
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 22942
Ion Ratio Lower Upper
51 100
67 9.6 15.0 22.6#

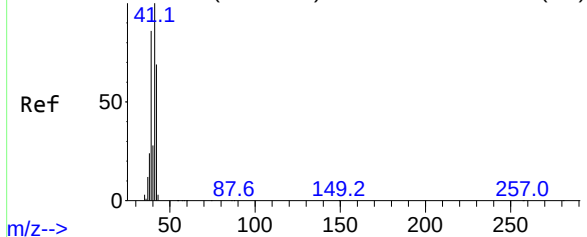


#4
Chloromethane
Concen: 0.132 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.003 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

Tgt Ion: 50 Resp: 6507
Ion Ratio Lower Upper
50 100
52 34.2 26.2 39.2



Abundance Scan 26 (2.687 min): VL040629.D\data.ms (-17)



#9

Propene

Concen: 0.149 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040660.D

Acq: 5 Sep 2023 23:47

Instrument :

MSVOA_L

ClientSampleId :

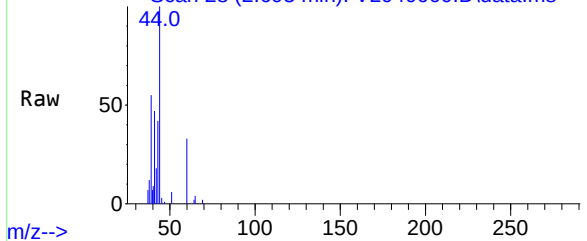
Tgt Ion: 41 Resp: 5835

Ion Ratio Lower Upper

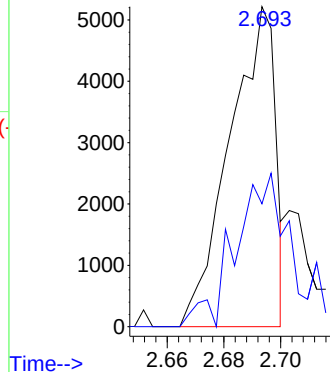
41 100

42 58.6 56.5 84.7

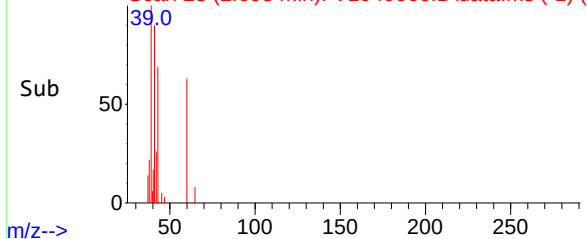
Abundance Scan 28 (2.693 min): VL040660.D\data.ms



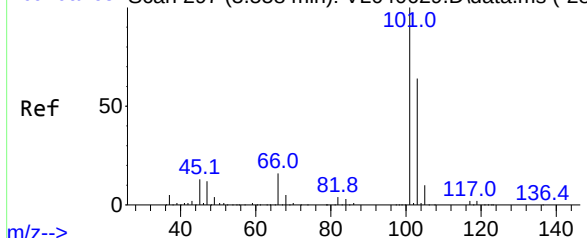
Abundance



Abundance Scan 28 (2.693 min): VL040660.D\data.ms (-1) (-



Abundance Scan 297 (3.558 min): VL040629.D\data.ms (-28



#11

Trichlorofluoromethane

Concen: 0.673 ppbv

RT: 3.549 min Scan# 294

Delta R.T. -0.010 min

Lab File: VL040660.D

Acq: 5 Sep 2023 23:47

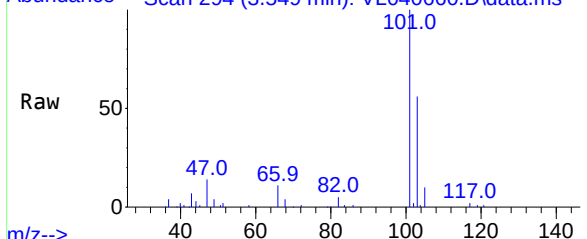
Tgt Ion:101 Resp: 90019

Ion Ratio Lower Upper

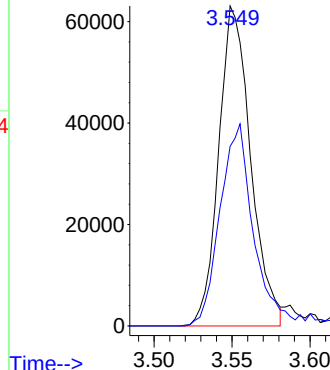
101 100

103 56.2 51.1 76.7

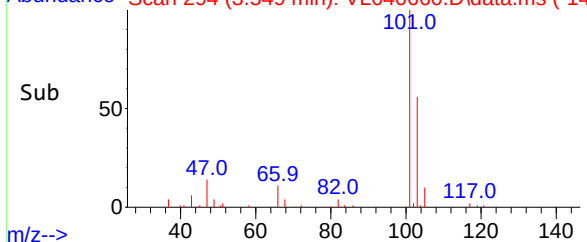
Abundance Scan 294 (3.549 min): VL040660.D\data.ms

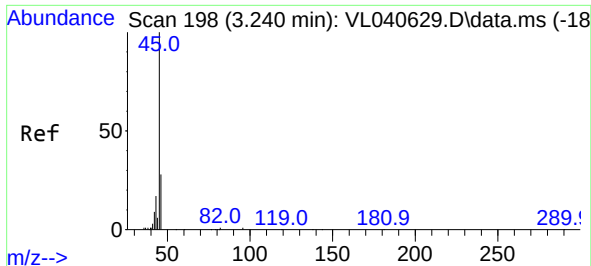


Abundance



Abundance Scan 294 (3.549 min): VL040660.D\data.ms (-14





#13

Ethanol

Concen: 3.864 ppbv

RT: 3.237 min Scan# 19

Delta R.T. -0.003 min

Lab File: VL040660.D

Acq: 5 Sep 2023 23:47

Instrument :

MSVOA_L

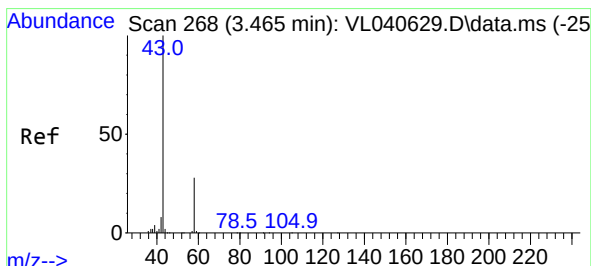
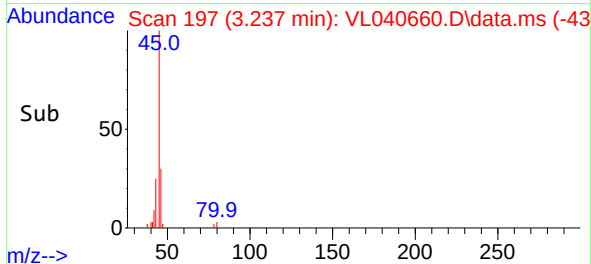
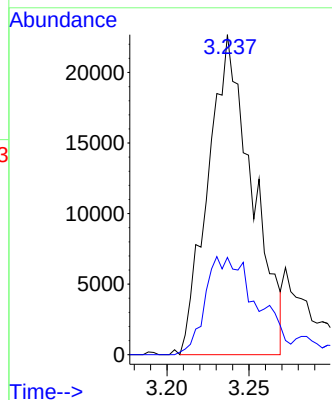
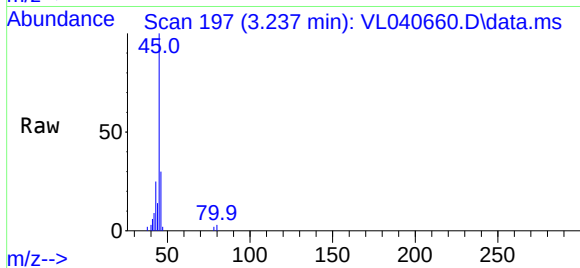
ClientSampleId :

Tgt Ion: 45 Resp: 42225

Ion Ratio Lower Upper

45 100

46 41.7 14.2 56.6



#15

Acetone

Concen: 1.823 ppbv

RT: 3.459 min Scan# 266

Delta R.T. -0.007 min

Lab File: VL040660.D

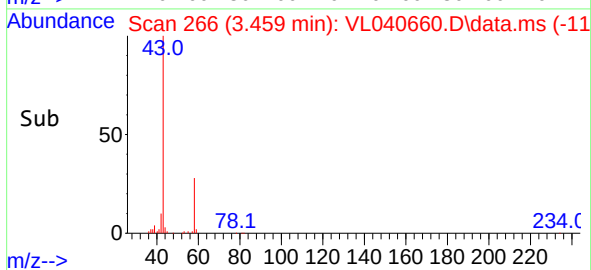
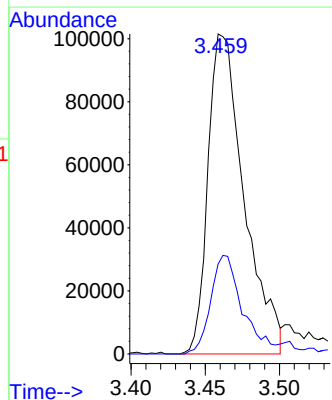
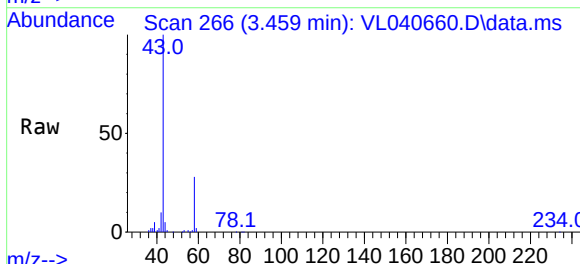
Acq: 5 Sep 2023 23:47

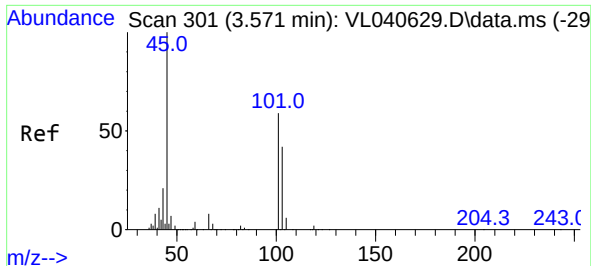
Tgt Ion: 43 Resp: 171600

Ion Ratio Lower Upper

43 100

58 30.6 22.4 33.6





#19

Isopropyl Alcohol

Concen: 0.268 ppbv

RT: 3.584 min Scan# 301

Delta R.T. 0.013 min

Lab File: VL040660.D

Acq: 5 Sep 2023 23:47

Instrument :

MSVOA_L

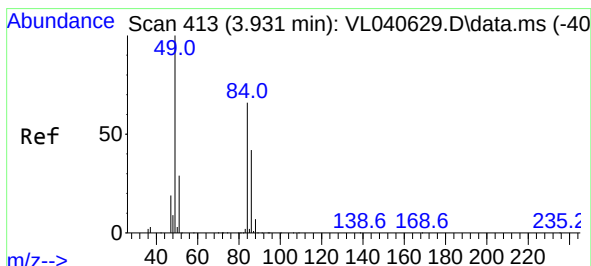
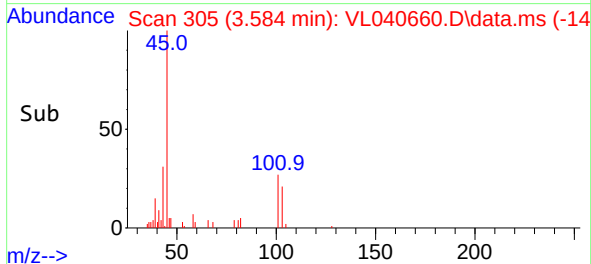
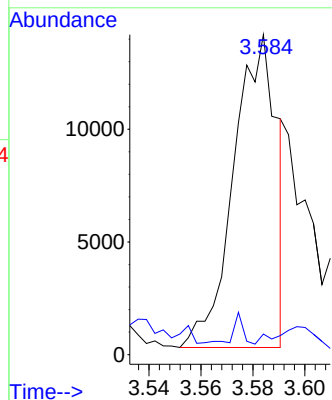
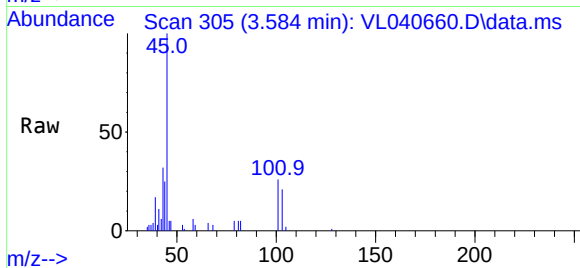
ClientSampleId :

Tgt Ion: 45 Resp: 15987

Ion Ratio Lower Upper

45 100

58 20.2 1.9 2.9#



#20

Methylene Chloride

Concen: 7.290 ppbv

RT: 3.922 min Scan# 410

Delta R.T. -0.010 min

Lab File: VL040660.D

Acq: 5 Sep 2023 23:47

Tgt Ion: 84 Resp: 335350

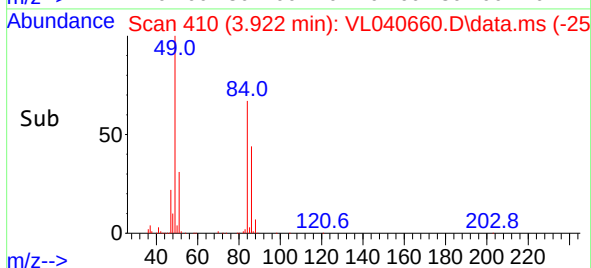
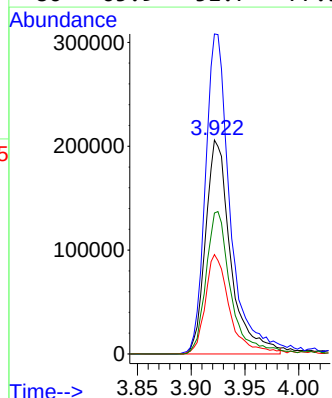
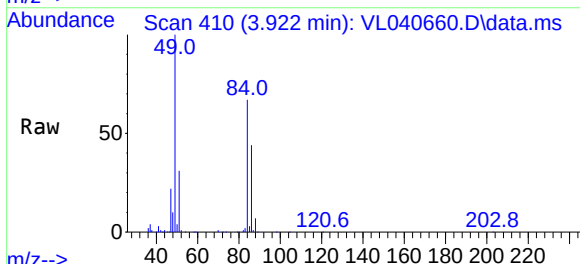
Ion Ratio Lower Upper

84 100

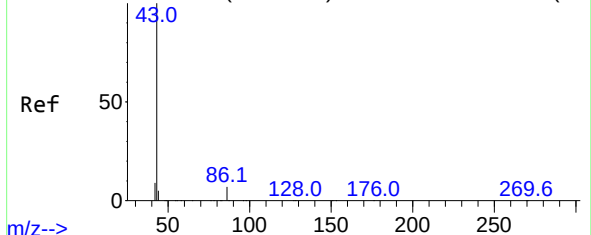
49 149.4 122.1 183.1

51 46.2 35.4 53.2

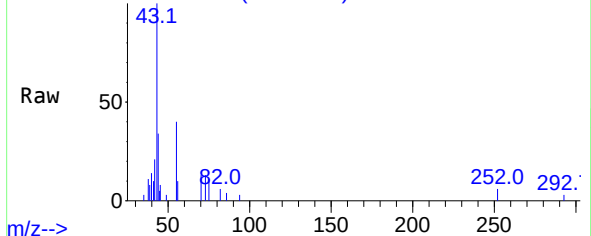
86 65.9 51.7 77.5



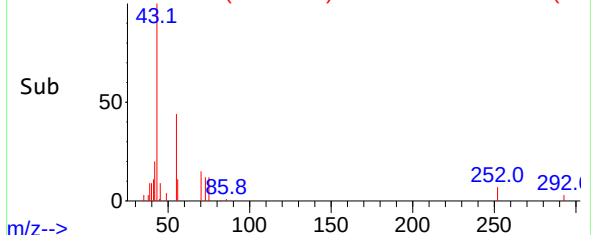
Abundance Scan 630 (4.629 min): VL040629.D\data.ms (-62



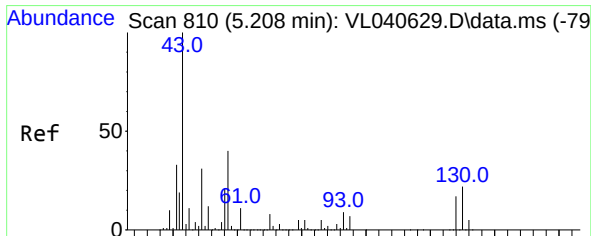
m/z--> Scan 624 (4.610 min): VL040660.D\data.ms



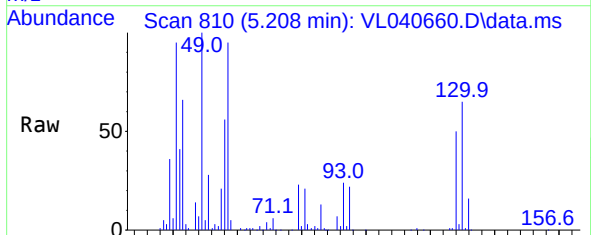
Abundance Scan 624 (4.610 min): VL040660.D\data.ms (-47



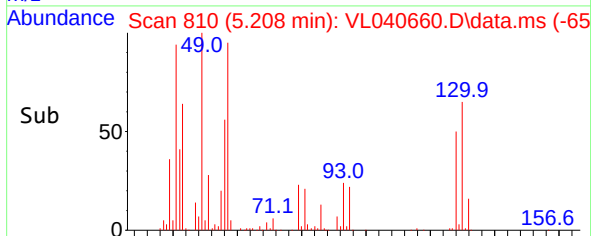
m/z--> Scan 810 (5.208 min): VL040629.D\data.ms (-79



m/z--> Scan 810 (5.208 min): VL040660.D\data.ms



Abundance Scan 810 (5.208 min): VL040660.D\data.ms (-65



m/z-->

#23

Vinyl Acetate

Concen: 0.061 ppbv

RT: 4.610 min Scan# 61

Delta R.T. -0.019 min

Lab File: VL040660.D

Acq: 5 Sep 2023 23:47

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 6558

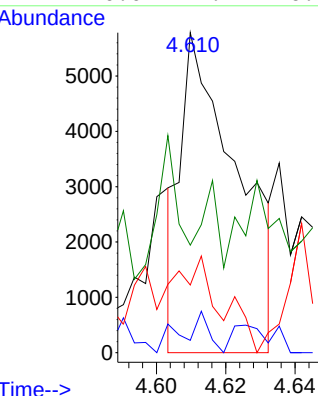
Ion Ratio Lower Upper

43 100

86 1.5 5.0 7.6#

42 28.0 7.8 11.8#

44 0.0 4.2 6.4#



#25

Ethyl Acetate

Concen: 0.622 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.000 min

Lab File: VL040660.D

Acq: 5 Sep 2023 23:47

Tgt Ion: 43 Resp: 110016

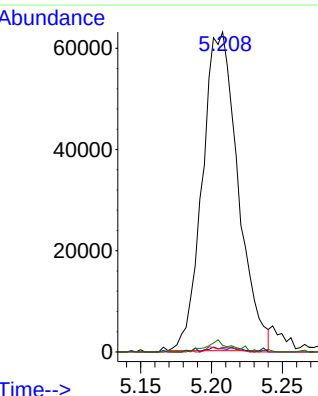
Ion Ratio Lower Upper

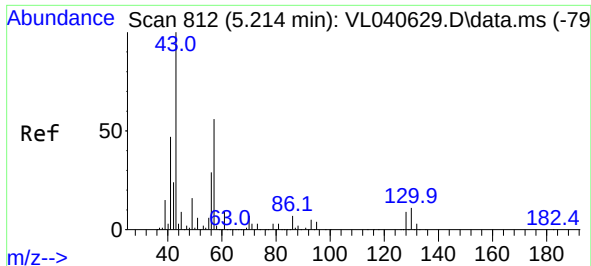
43 100

45 1.6 8.2 12.4#

61 1.2 8.3 12.5#

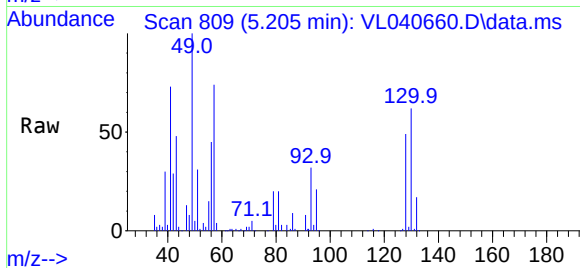
70 2.8 6.1 9.1#



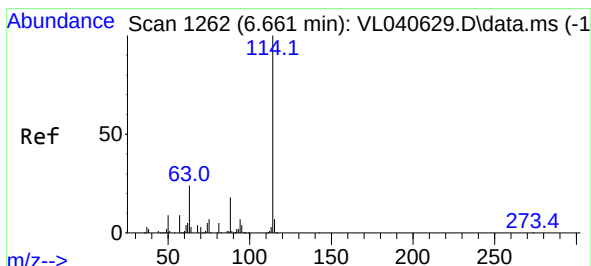
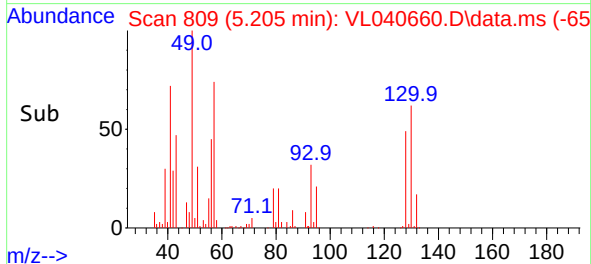
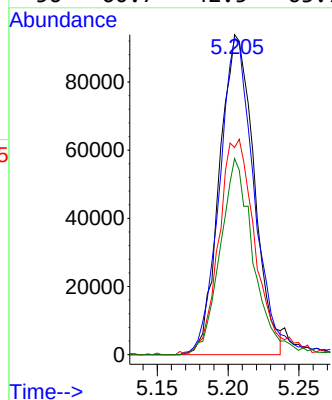


#26
Hexane
Concen: 1.855 ppbv
RT: 5.205 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

Instrument :
MSVOA_L
ClientSampleId :

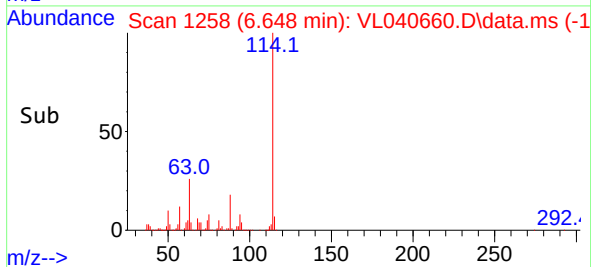
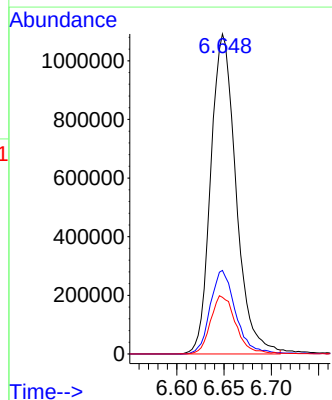
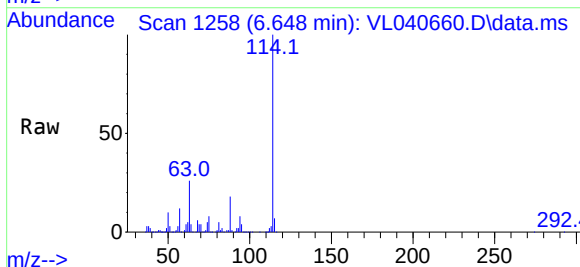


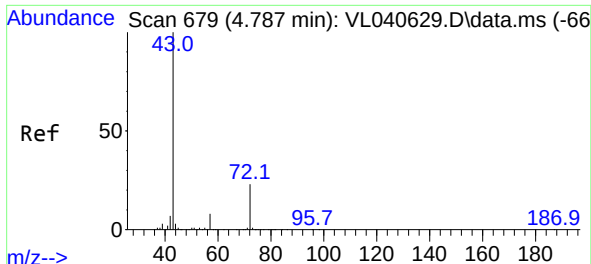
Tgt Ion: 57 Resp: 158690
Ion Ratio Lower Upper
57 100
41 102.3 69.3 103.9
43 73.4 177.9 266.9#
56 60.7 42.5 63.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.013 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

Tgt Ion:114 Resp: 2032994
Ion Ratio Lower Upper
114 100
63 26.5 20.2 30.2
88 18.4 14.1 21.1

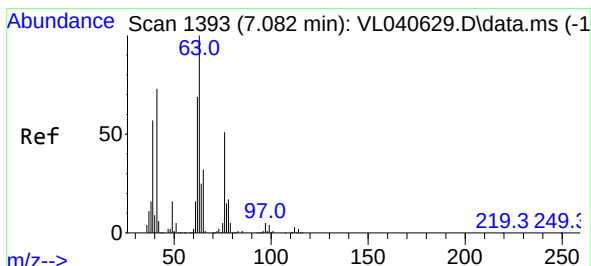
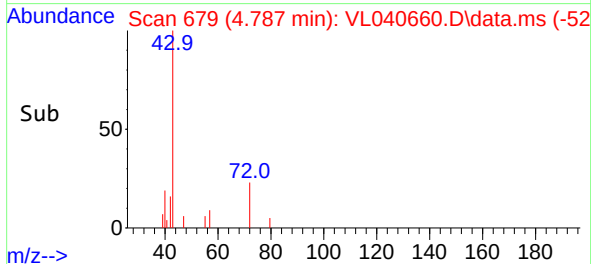
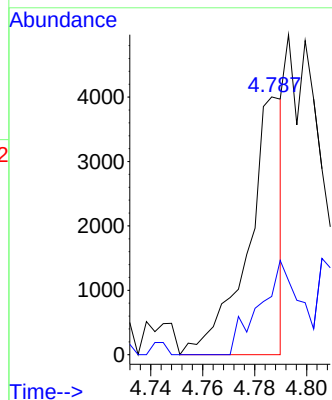
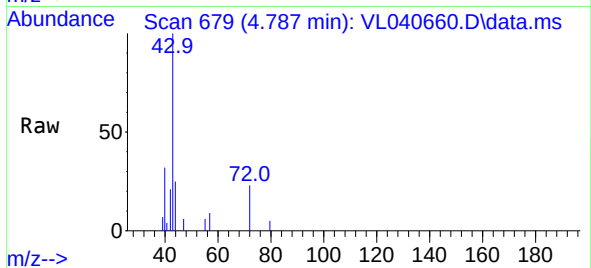




#34
2-Butanone
Concen: 0.036 ppbv
RT: 4.787 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

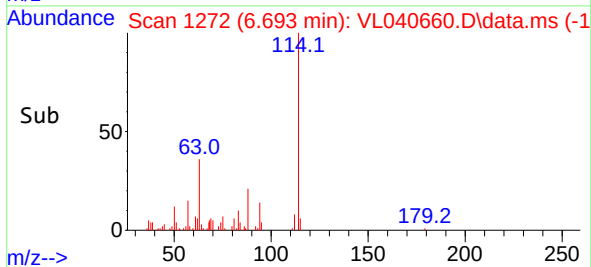
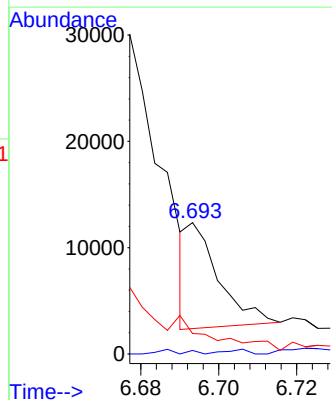
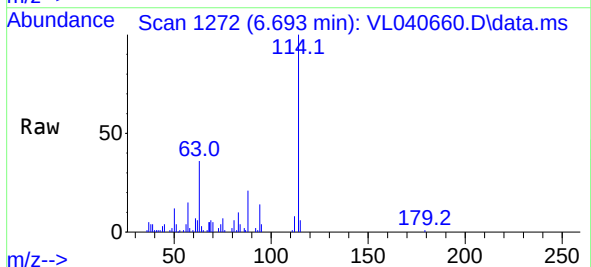
Instrument :
MSVOA_L
ClientSampleId :

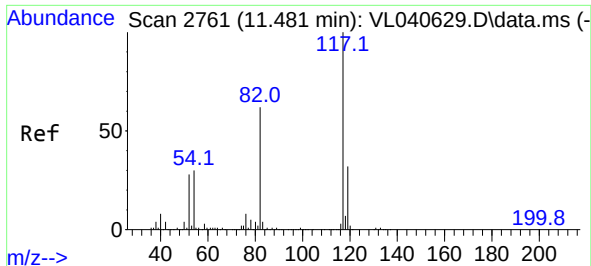
Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#39
1,2-Dichloropropane
Concen: 0.091 ppbv
RT: 6.693 min Scan# 1272
Delta R.T. -0.389 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

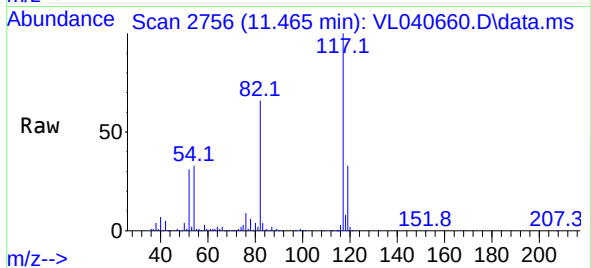
Tgt Ion: 63 Resp: 5617
Ion Ratio Lower Upper
63 100
41 5.4 58.2 87.2#
62 17.0 55.0 82.4#





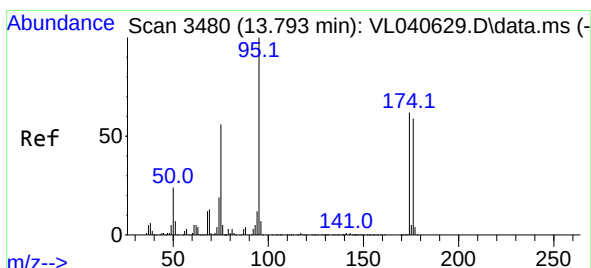
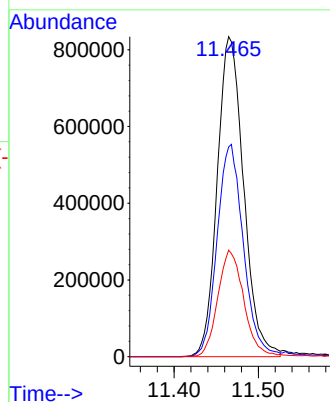
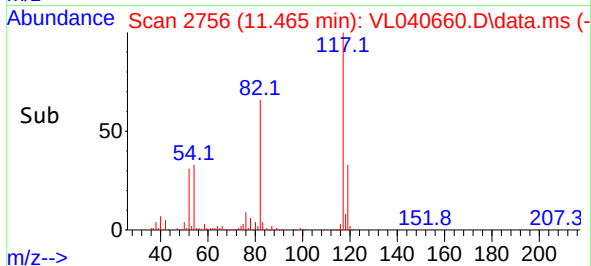
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 1812983

Ion	Ratio	Lower	Upper
117	100		
82	67.1	49.5	74.3
119	33.2	24.5	36.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.066 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.013 min
Lab File: VL040660.D
Acq: 5 Sep 2023 23:47

Tgt Ion: 95 Resp: 1451331

Ion	Ratio	Lower	Upper
95	100		
174	63.2	49.1	73.7
175	4.5	3.7	5.5

