

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040658.D
 Acq On : 5 Sep 2023 22:25
 Operator : SY/MD
 Sample : 04281-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 06 02:08:20 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)

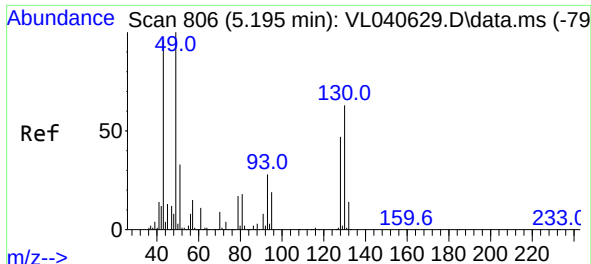
Internal Standards						
1) Bromochloromethane	5.185	49	802448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2125173	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	1869758	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1517253	10.203	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.716	85	69031	0.399	ppbv	91
3) Chlorodifluoromethane	2.658	51	17430	0.132	ppbv #	81
4) Chloromethane	2.803	50	6385	0.124	ppbv	96
9) Propene	2.999	41	3418	0.084	ppbv	100
11) Trichlorofluoromethane	3.549	101	188268	1.349	ppbv	96
13) Ethanol	3.234	45	40095	3.519	ppbv	92
15) Acetone	3.462	43	222338	2.265	ppbv	99
19) Isopropyl Alcohol	3.578	45	68775	1.105	ppbv #	86
20) Methylene Chloride	3.925	84	425232	8.866	ppbv	94
25) Ethyl Acetate	5.208	43	159177	0.864	ppbv #	78
26) Hexane	5.205	57	223337	2.504	ppbv #	39
34) 2-Butanone	4.790	43	8122	0.076	ppbv #	80
39) 1,2-Dichloropropane	6.652	63	557871	8.673	ppbv #	24
41) Tetrahydrofuran	5.202	42	90062	1.487	ppbv #	46

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

Instrument :
MSVOA_L
ClientSampleId :

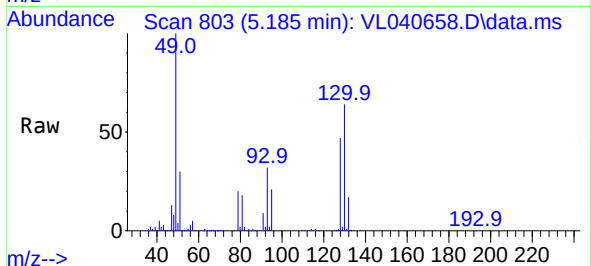
Instrument :
MSVOA_L
ClientSampleId :



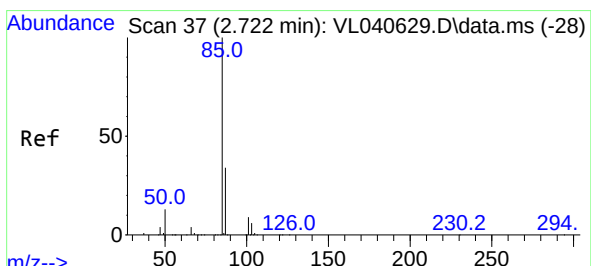
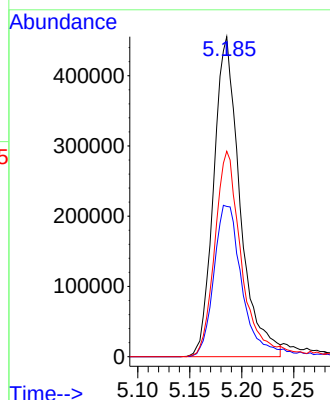
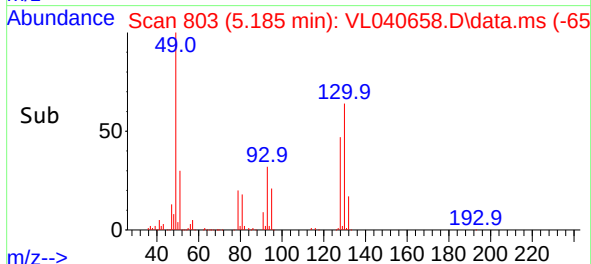


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

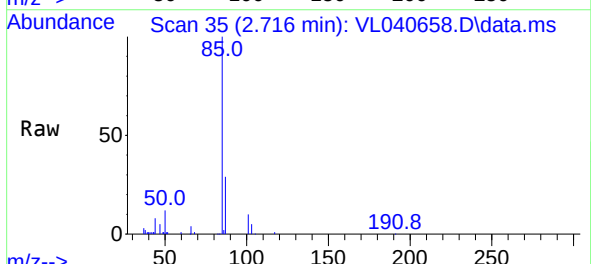
Instrument :
MSVOA_L
ClientSampleId :



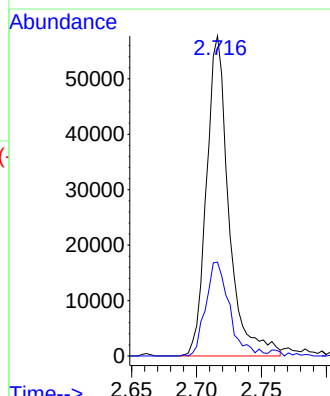
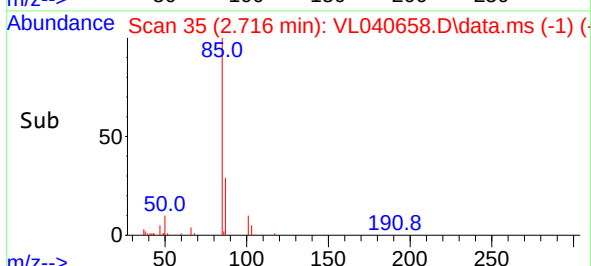
Tgt Ion: 49 Resp: 802448
Ion Ratio Lower Upper
49 100
128 52.8 24.9 74.7
130 67.4 32.2 96.6

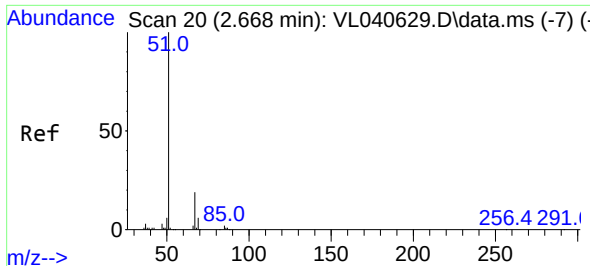


#2
Dichlorodifluoromethane
Concen: 0.399 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.006 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25



Tgt Ion: 85 Resp: 69031
Ion Ratio Lower Upper
85 100
87 29.3 27.5 41.3

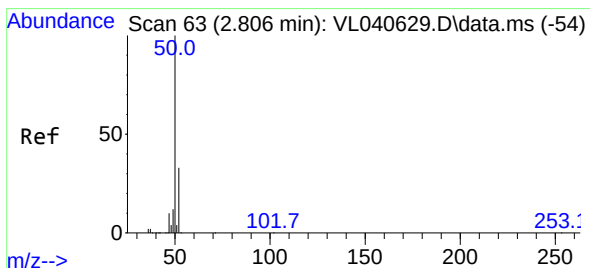
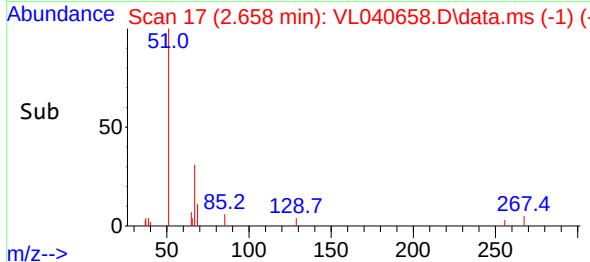
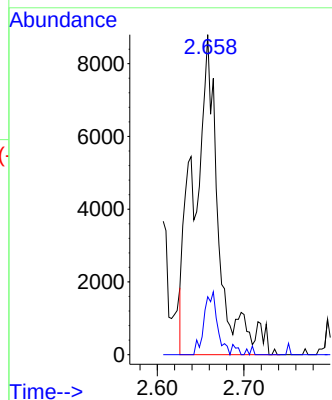
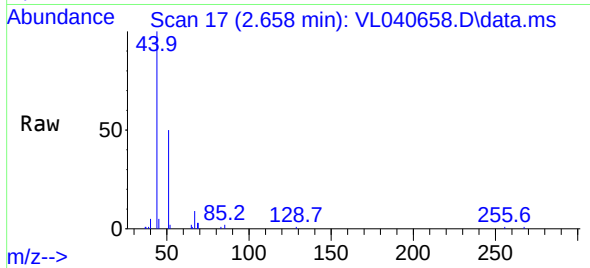




#3
Chlorodifluoromethane
Concen: 0.132 ppbv
RT: 2.658 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

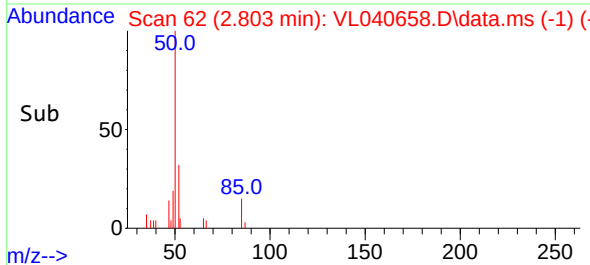
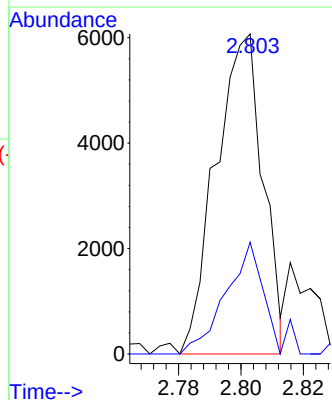
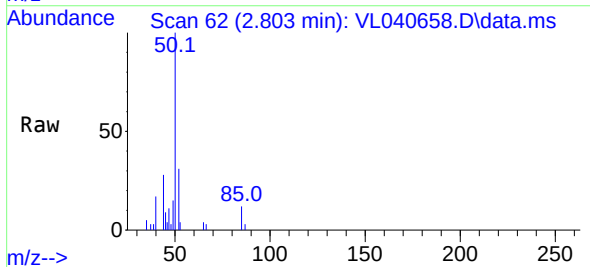
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 17430
Ion Ratio Lower Upper
51 100
67 10.5 15.0 22.6#

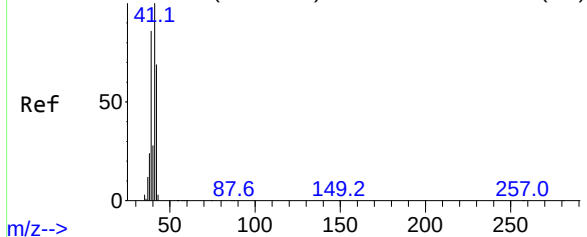


#4
Chloromethane
Concen: 0.124 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.003 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

Tgt Ion: 50 Resp: 6385
Ion Ratio Lower Upper
50 100
52 34.9 26.2 39.2



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



#9

Propene

Concen: 0.084 ppbv

RT: 2.999 min Scan# 11

Delta R.T. 0.312 min

Lab File: VL040658.D

Acq: 5 Sep 2023 22:25

Instrument :

MSVOA_L

ClientSampleId :

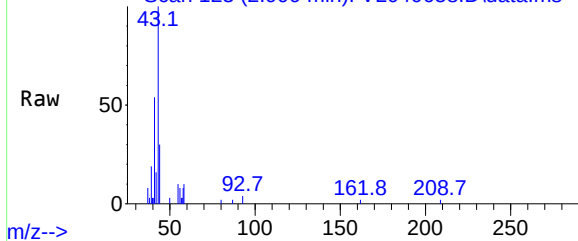
Tgt Ion: 41 Resp: 3418

Ion Ratio Lower Upper

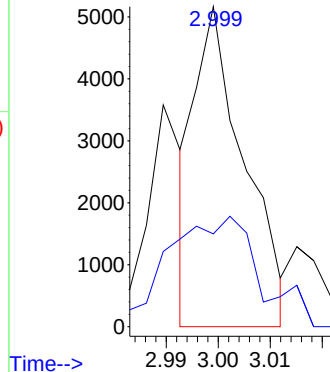
41 100

42 70.5 56.5 84.7

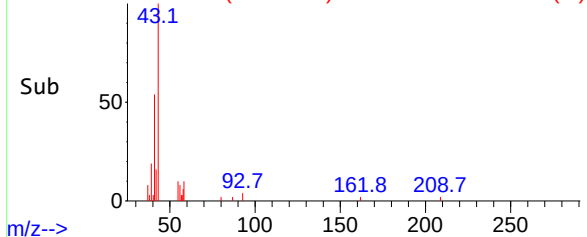
Abundance Scan 123 (2.999 min): VL040658.D\data.ms



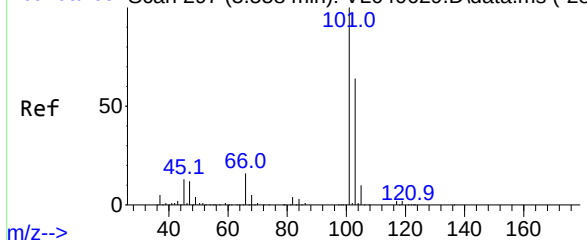
Abundance



Abundance Scan 123 (2.999 min): VL040658.D\data.ms (-1)



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



#11

Trichlorofluoromethane

Concen: 1.349 ppbv

RT: 3.549 min Scan# 294

Delta R.T. -0.010 min

Lab File: VL040658.D

Acq: 5 Sep 2023 22:25

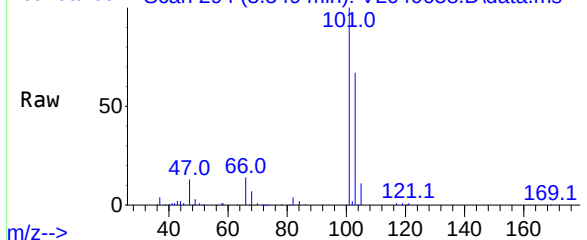
Tgt Ion: 101 Resp: 188268

Ion Ratio Lower Upper

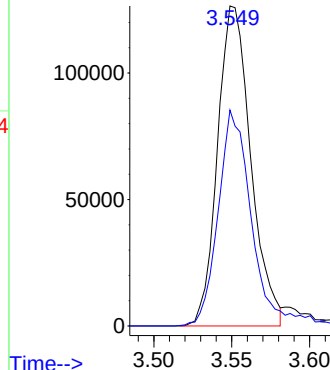
101 100

103 67.3 51.1 76.7

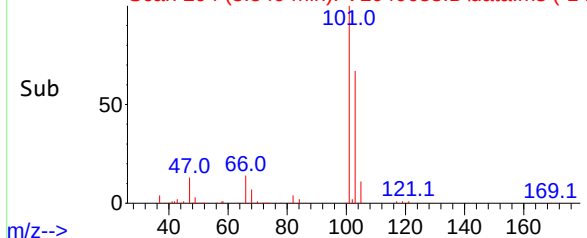
Abundance Scan 294 (3.549 min): VL040658.D\data.ms

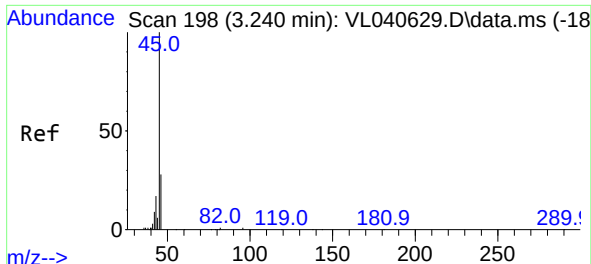


Abundance



Abundance Scan 294 (3.549 min): VL040658.D\data.ms (-14)

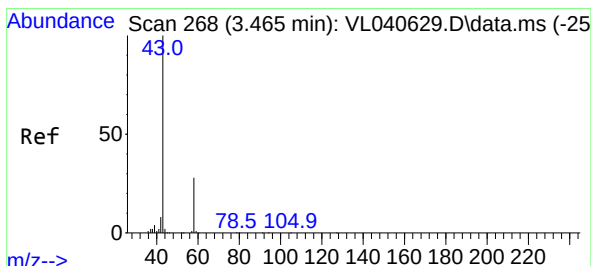
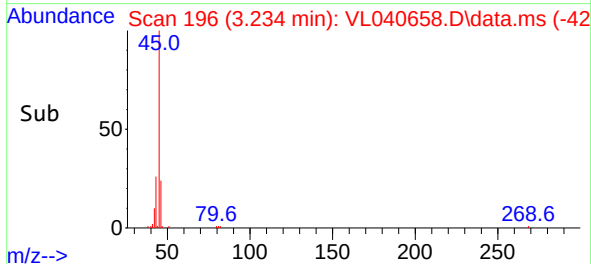
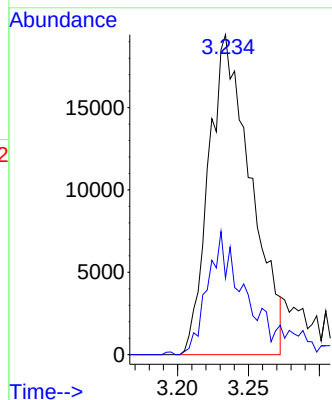
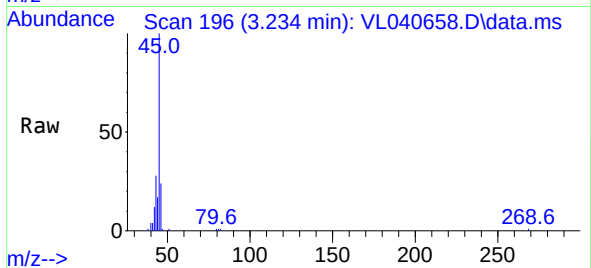




#13
Ethanol
Concen: 3.519 ppbv
RT: 3.234 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

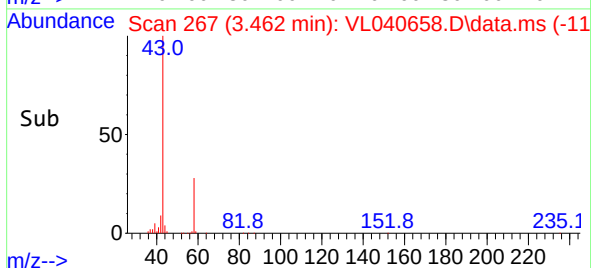
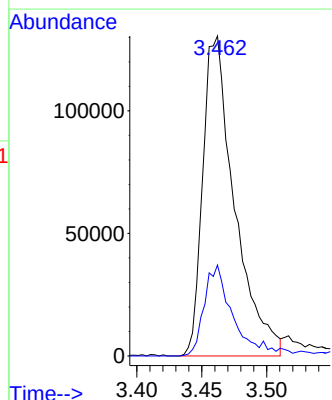
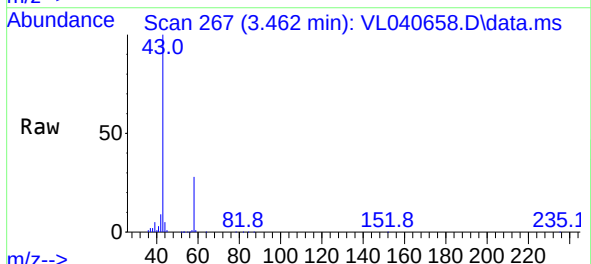
Instrument :
MSVOA_L
ClientSampleId :

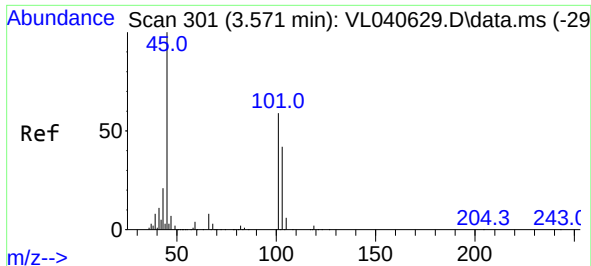
Tgt Ion: 45 Resp: 40095
Ion Ratio Lower Upper
45 100
46 40.2 14.2 56.6



#15
Acetone
Concen: 2.265 ppbv
RT: 3.462 min Scan# 267
Delta R.T. -0.003 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

Tgt Ion: 43 Resp: 222338
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6





#19

Isopropyl Alcohol

Concen: 1.105 ppbv

RT: 3.578 min Scan# 301

Delta R.T. 0.006 min

Lab File: VL040658.D

Acq: 5 Sep 2023 22:25

Instrument :

MSVOA_L

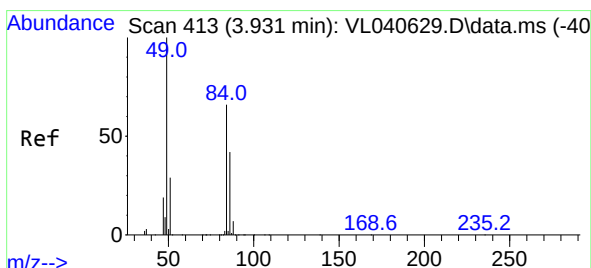
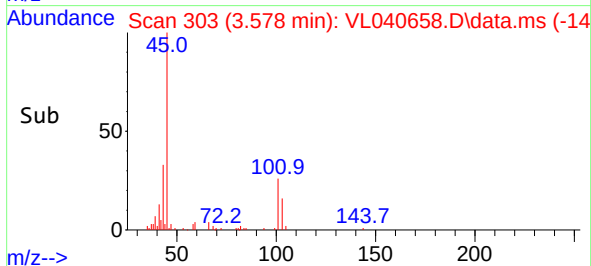
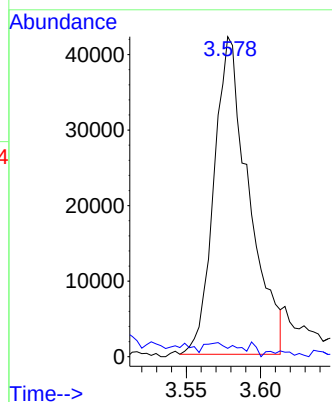
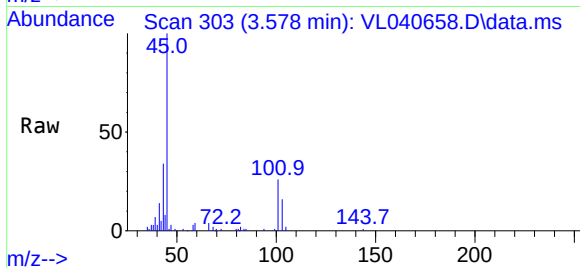
ClientSampleId :

Tgt Ion: 45 Resp: 68775

Ion Ratio Lower Upper

45 100

58 7.1 1.9 2.9#



#20

Methylene Chloride

Concen: 8.866 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.006 min

Lab File: VL040658.D

Acq: 5 Sep 2023 22:25

Tgt Ion: 84 Resp: 425232

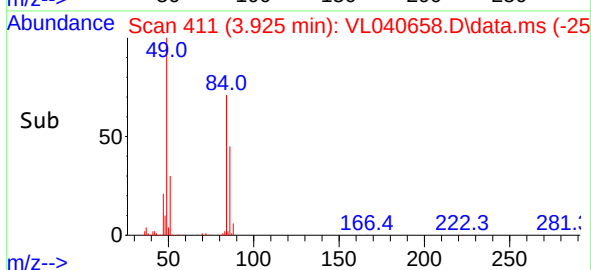
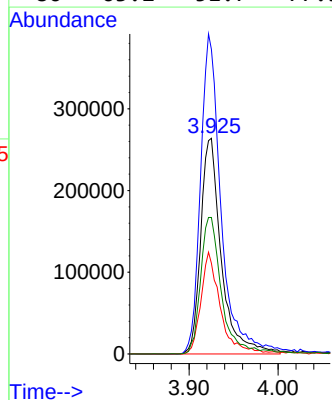
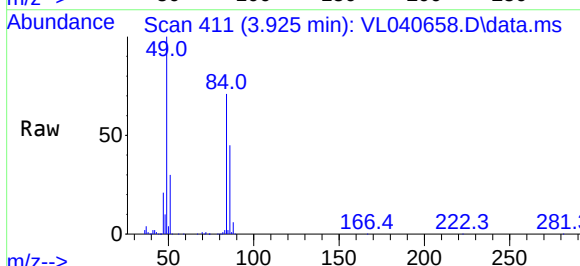
Ion Ratio Lower Upper

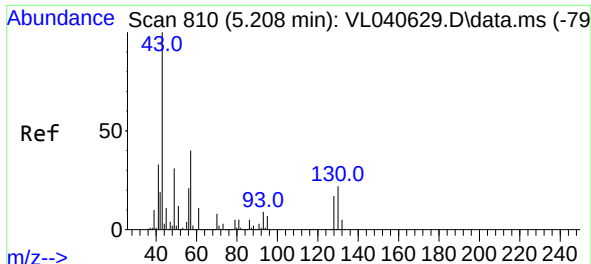
84 100

49 141.1 122.1 183.1

51 42.0 35.4 53.2

86 63.2 51.7 77.5



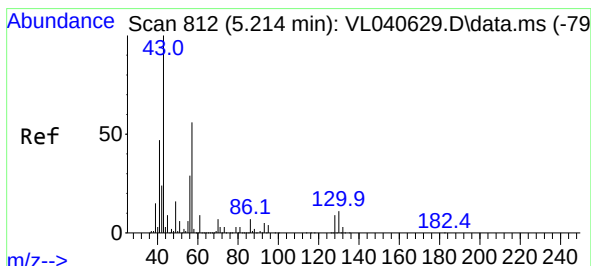
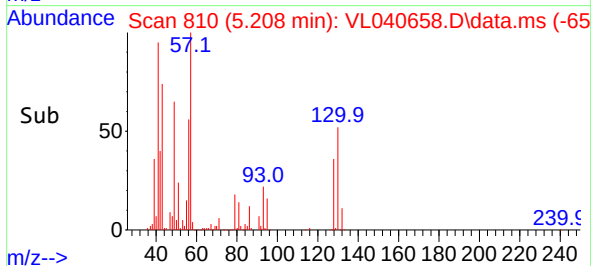
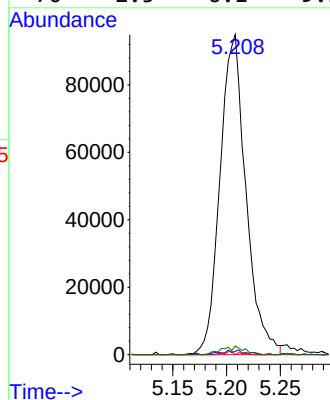
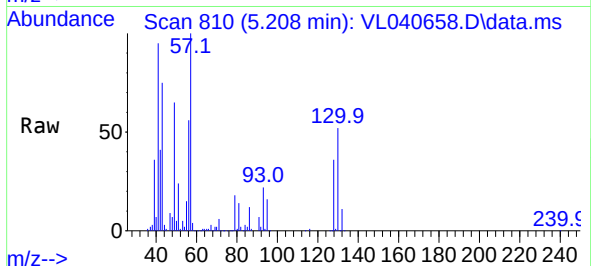


#25
Ethyl Acetate
Concen: 0.864 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 159177

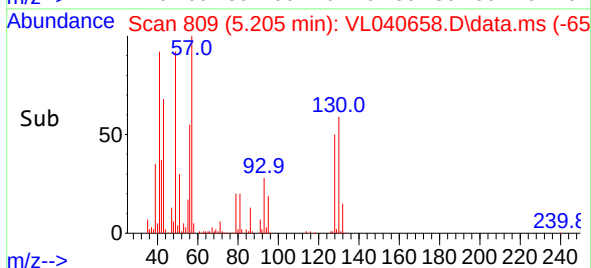
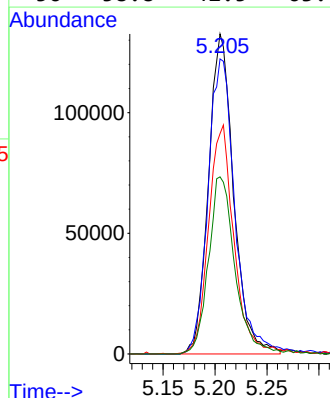
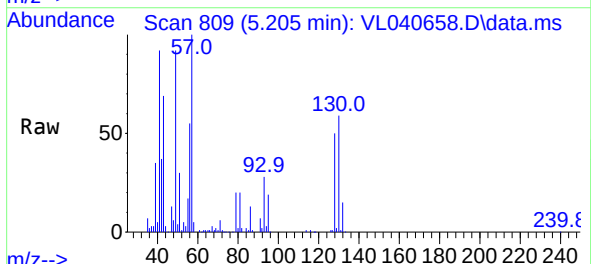
Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.2	12.4#
61	0.6	8.3	12.5#
70	2.5	6.1	9.1#

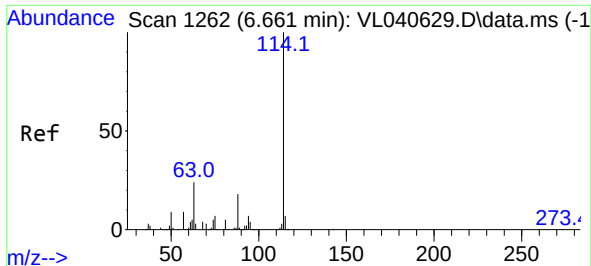


#26
Hexane
Concen: 2.504 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.010 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

Tgt Ion: 57 Resp: 223337

Ion	Ratio	Lower	Upper
57	100		
41	100.1	69.3	103.9
43	72.9	177.9	266.9#
56	58.8	42.5	63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.013 min

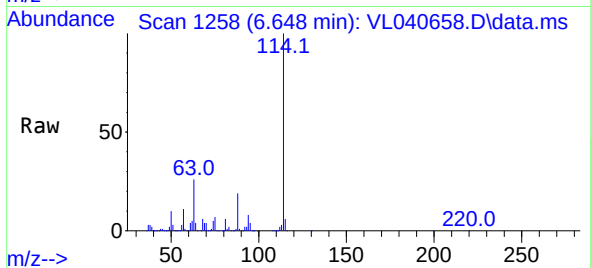
Lab File: VL040658.D

Acq: 5 Sep 2023 22:25

Instrument :

MSVOA_L

ClientSampleId :



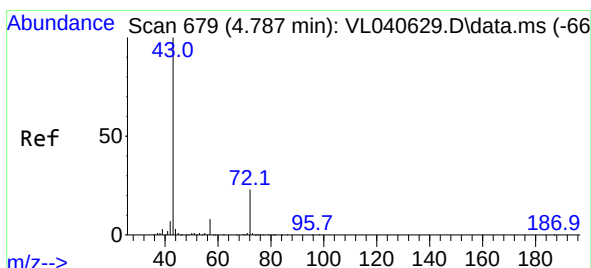
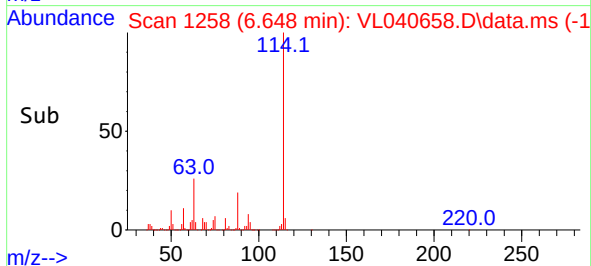
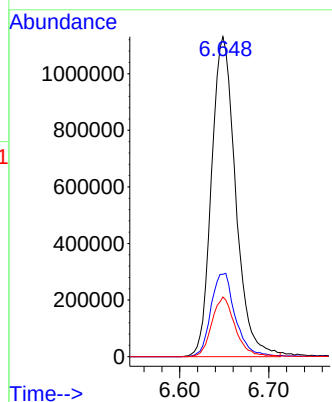
Tgt Ion:114 Resp: 2125173

Ion Ratio Lower Upper

114 100

63 26.7 20.2 30.2

88 18.3 14.1 21.1



#34

2-Butanone

Concen: 0.076 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.003 min

Lab File: VL040658.D

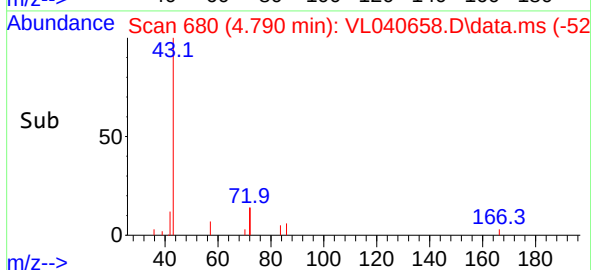
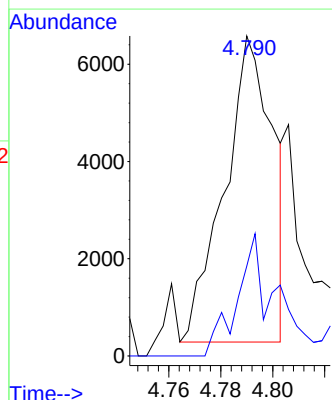
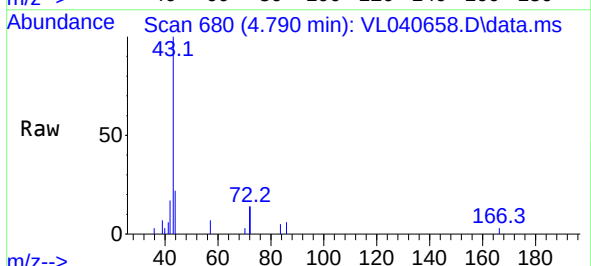
Acq: 5 Sep 2023 22:25

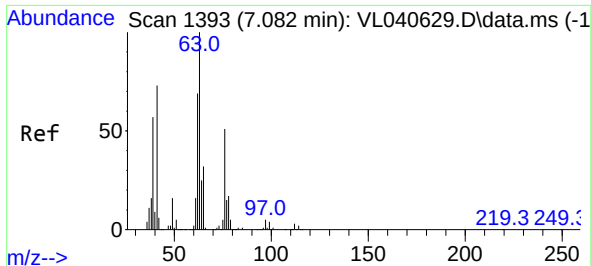
Tgt Ion: 43 Resp: 8122

Ion Ratio Lower Upper

43 100

72 34.1 19.2 28.8#





#39

1,2-Dichloropropane

Concen: 8.673 ppbv

RT: 6.652 min Scan# 1

Delta R.T. -0.431 min

Lab File: VL040658.D

Acq: 5 Sep 2023 22:25

Instrument :

MSVOA_L

ClientSampleId :

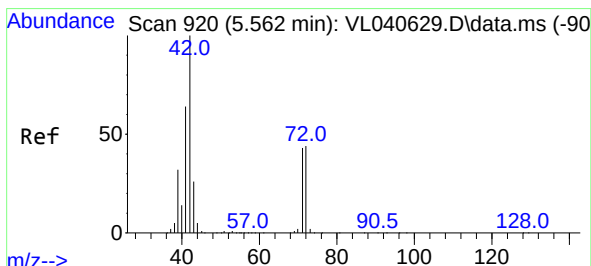
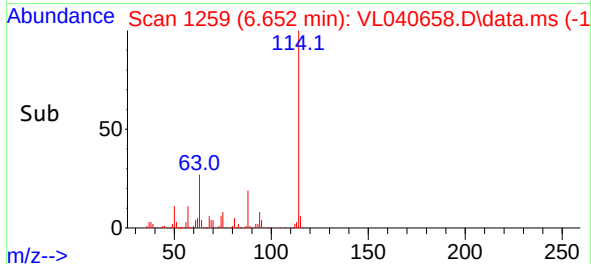
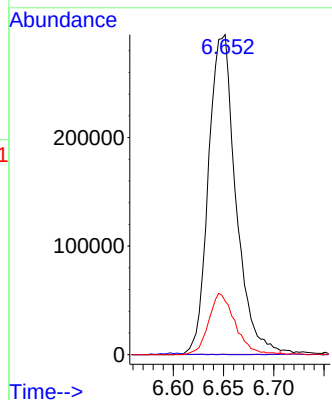
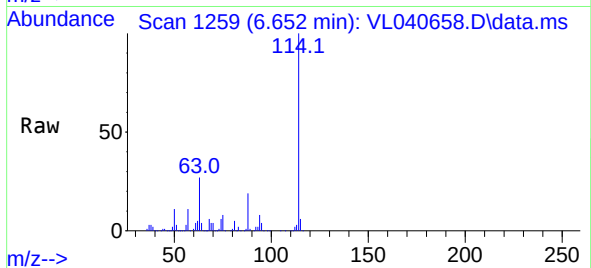
Tgt Ion: 63 Resp: 557871

Ion Ratio Lower Upper

63 100

41 0.0 58.2 87.2#

62 16.8 55.0 82.4#



#41

Tetrahydrofuran

Concen: 1.487 ppbv

RT: 5.202 min Scan# 808

Delta R.T. -0.360 min

Lab File: VL040658.D

Acq: 5 Sep 2023 22:25

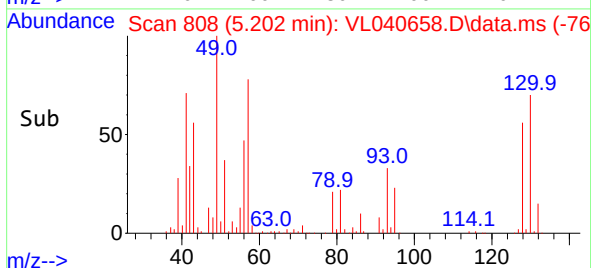
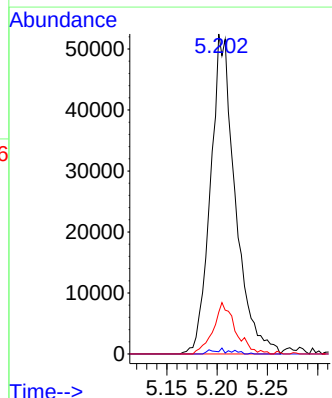
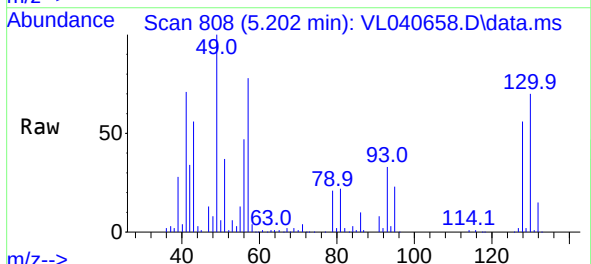
Tgt Ion: 42 Resp: 90062

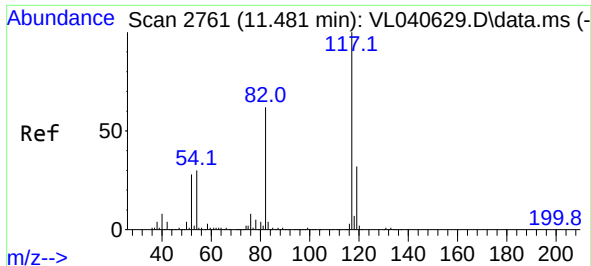
Ion Ratio Lower Upper

42 100

72 1.2 34.2 51.4#

71 14.7 33.4 50.0#

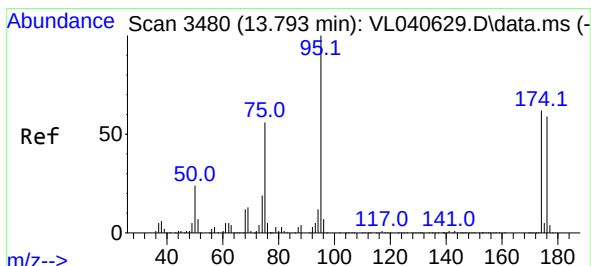
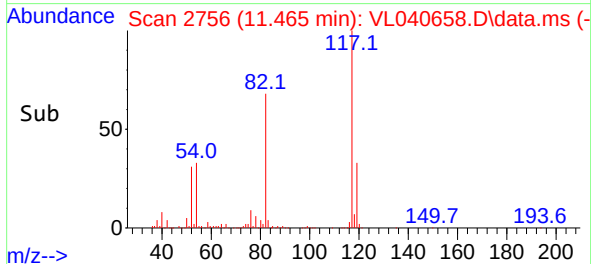
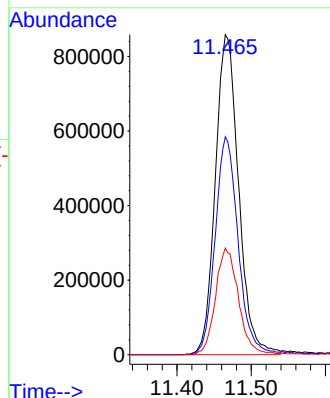
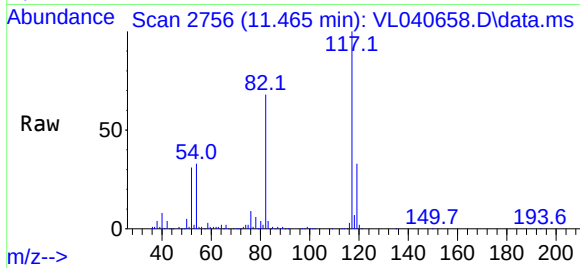




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1869758
Ion Ratio Lower Upper
117 100
82 68.1 49.5 74.3
119 33.4 24.5 36.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.203 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.016 min
Lab File: VL040658.D
Acq: 5 Sep 2023 22:25

Tgt Ion: 95 Resp: 1517253
Ion Ratio Lower Upper
95 100
174 62.2 49.1 73.7
175 4.3 3.7 5.5

