

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040995.D
 Acq On : 23 Jan 2024 12:53
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

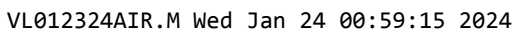
Quant Time: Jan 24 00:59:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jan 24 00:50:15 2024
 Response via : Initial Calibration

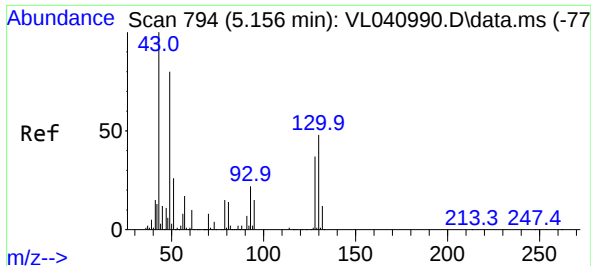
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.156	49	1036334	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2588022	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.426	117	2221989	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.735	95	1659968	9.891	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.697	85	7254	0.032	ppbv	96
3) Chlorodifluoromethane	2.645	51	6685	0.038	ppbv	93
8) Dichlorotetrafluoroethane	2.822	85	5359	0.031	ppbv #	80
9) Propene	2.668	41	3080	0.054	ppbv #	76
11) Trichlorofluoromethane	3.526	101	5578	0.030	ppbv #	73
15) Acetone	3.465	43	19536	0.147	ppbv #	77
20) Methylene Chloride	3.899	84	3058	0.060	ppbv #	27
26) Hexane	5.176	57	3248	0.032	ppbv #	1
39) 1,2-Dichloropropane	6.613	63	661191	7.852	ppbv #	23

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

Quant Time: Jan 24 00:59:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration

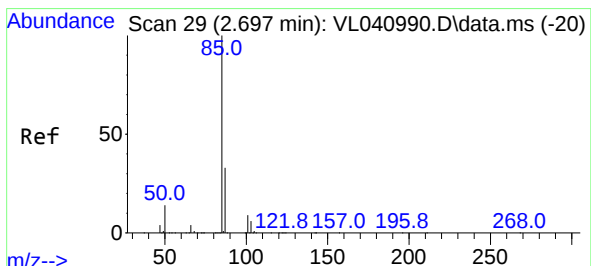
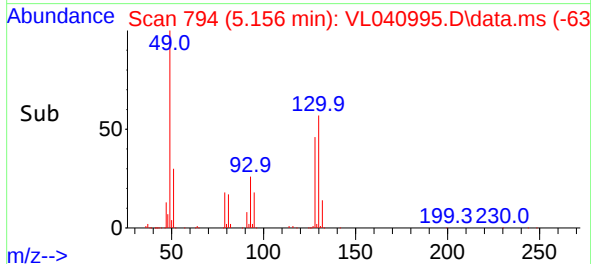
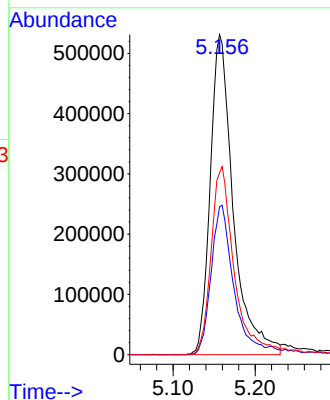
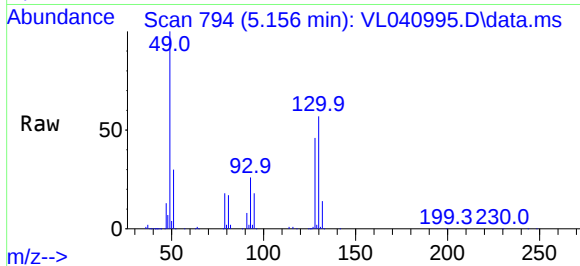




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.156 min Scan# 794
Delta R.T. 0.000 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

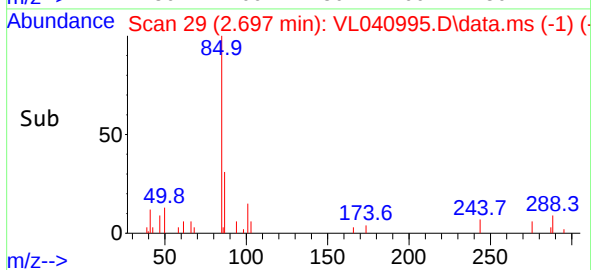
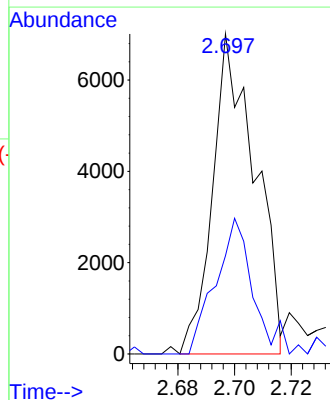
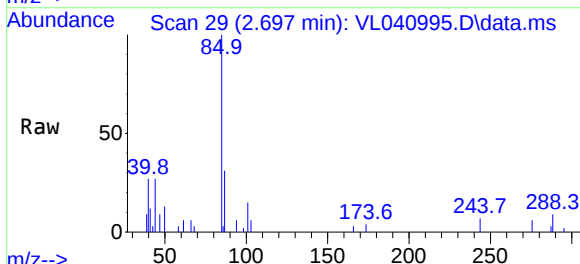
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

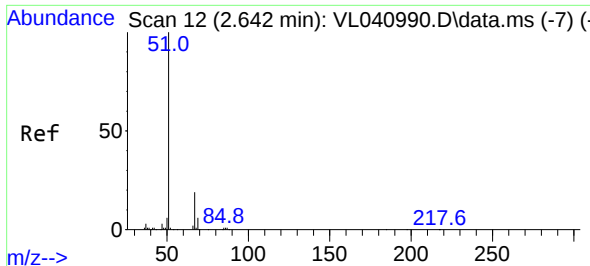
Tgt Ion: 49 Resp: 1036334
Ion Ratio Lower Upper
49 100
128 48.7 23.9 71.7
130 62.1 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 0.032 ppbv
RT: 2.697 min Scan# 29
Delta R.T. 0.000 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

Tgt Ion: 85 Resp: 7254
Ion Ratio Lower Upper
85 100
87 30.7 26.3 39.5

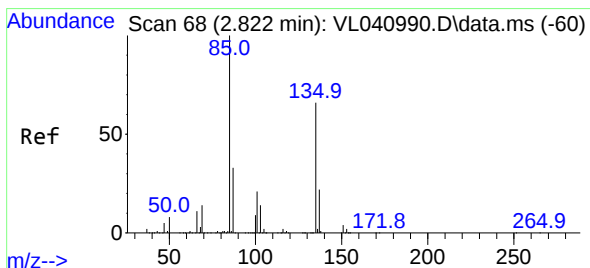
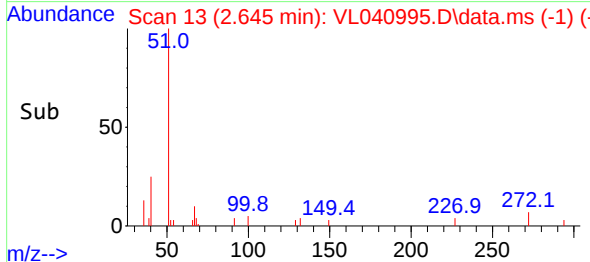
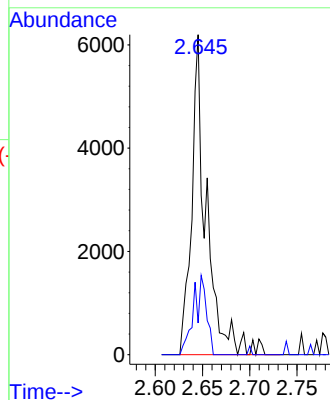
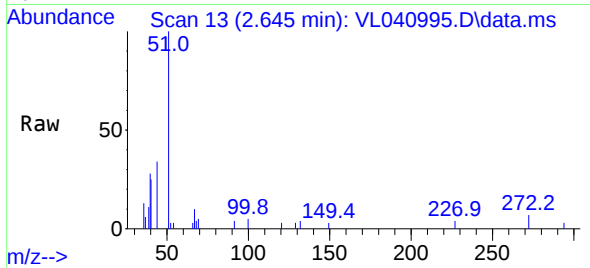




#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.645 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

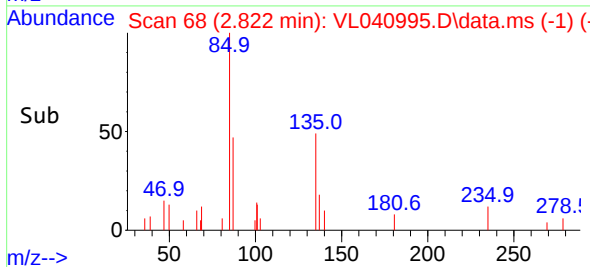
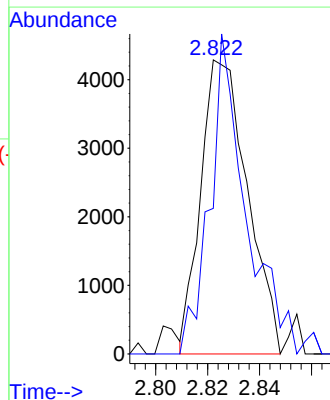
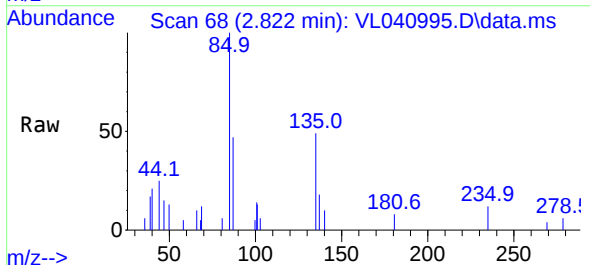
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

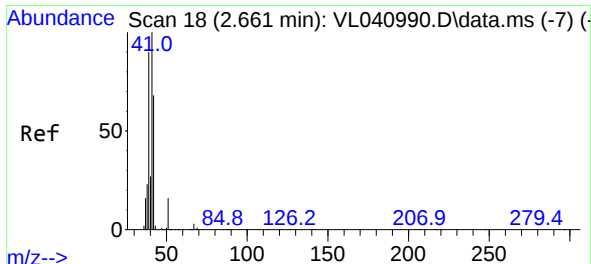
Tgt Ion: 51 Resp: 6685
Ion Ratio Lower Upper
51 100
67 21.5 14.8 22.2



#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.000 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

Tgt Ion: 85 Resp: 5359
Ion Ratio Lower Upper
85 100
135 85.3 55.0 82.6#

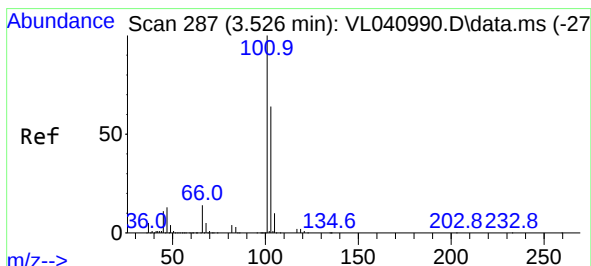
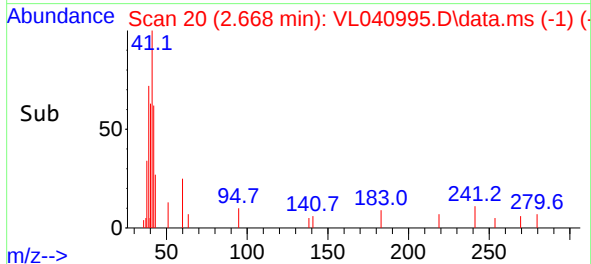
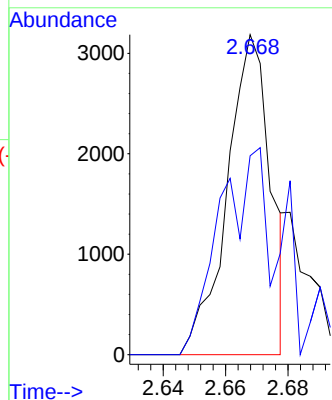
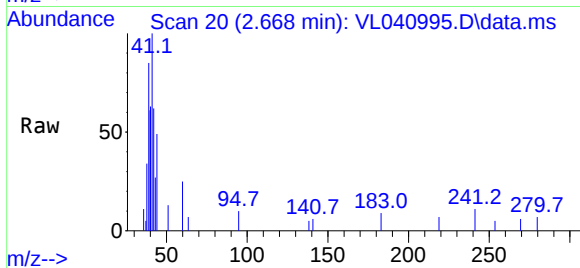




#9
Propene
Concen: 0.054 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

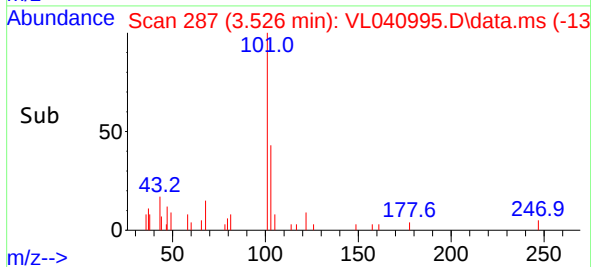
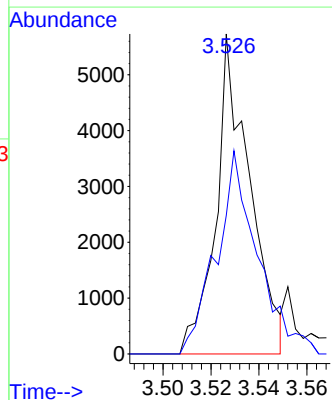
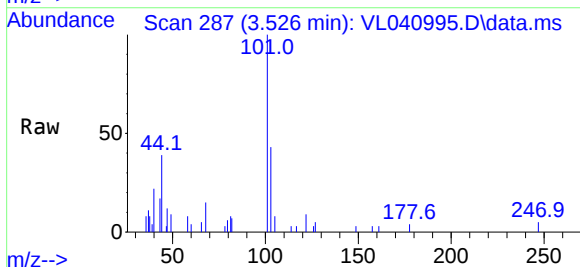
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

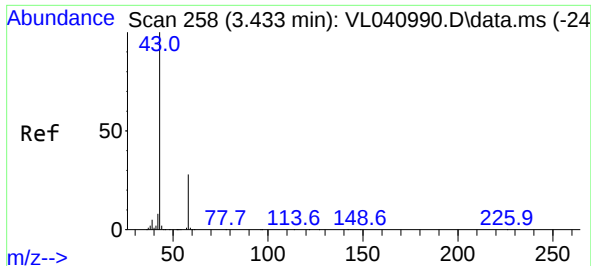
Tgt Ion: 41 Resp: 3080
Ion Ratio Lower Upper
41 100
42 94.1 59.0 88.4#



#11
Trichlorofluoromethane
Concen: 0.030 ppbv
RT: 3.526 min Scan# 287
Delta R.T. 0.000 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

Tgt Ion: 101 Resp: 5578
Ion Ratio Lower Upper
101 100
103 43.3 51.4 77.2#

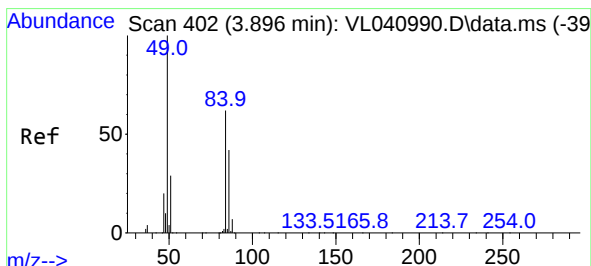
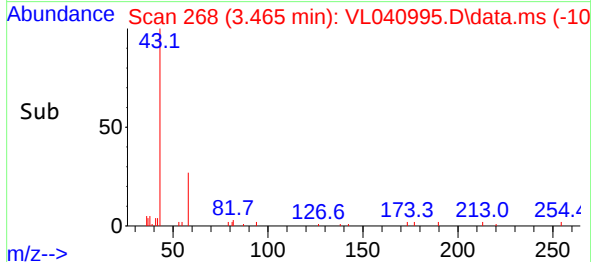
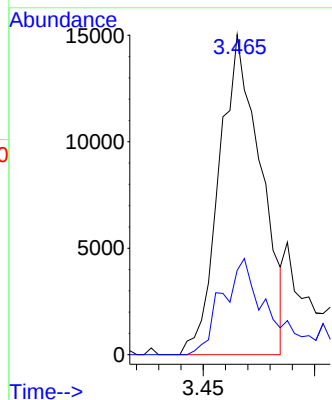
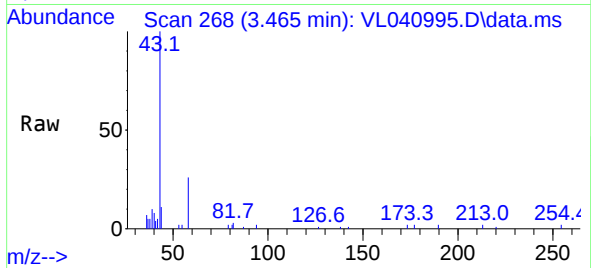




#15
Acetone
Concen: 0.147 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.032 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

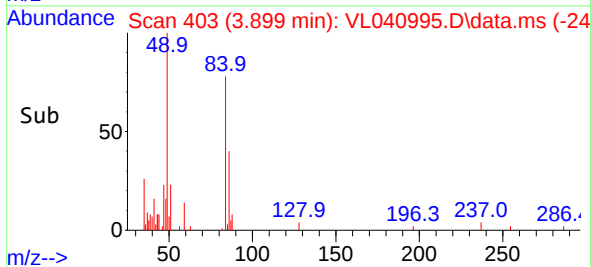
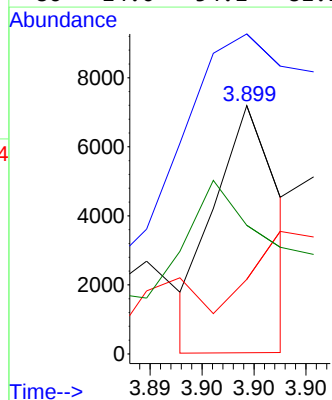
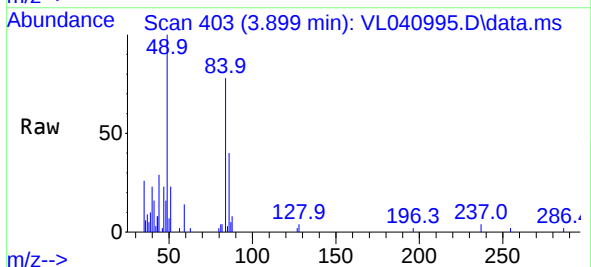
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

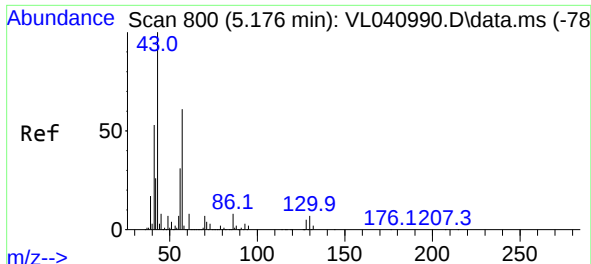
Tgt Ion: 43 Resp: 19536
Ion Ratio Lower Upper
43 100
58 40.0 22.2 33.2#



#20
Methylene Chloride
Concen: 0.060 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.003 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

Tgt Ion: 84 Resp: 3058
Ion Ratio Lower Upper
84 100
49 58.6 128.1 192.1#
51 0.0 36.5 54.7#
86 14.0 54.1 81.1#



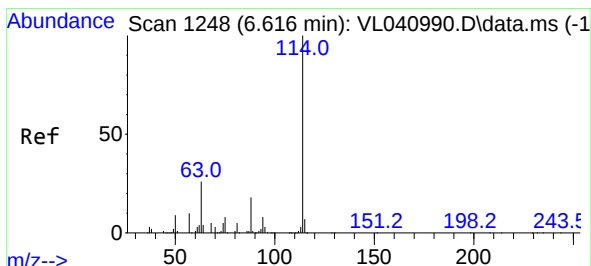
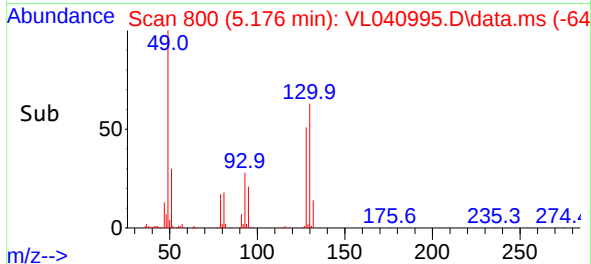
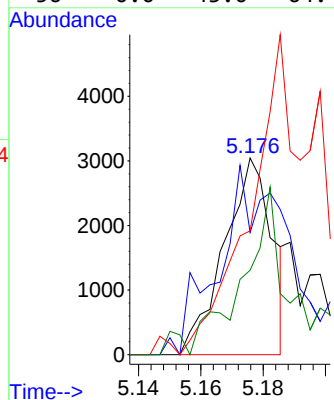
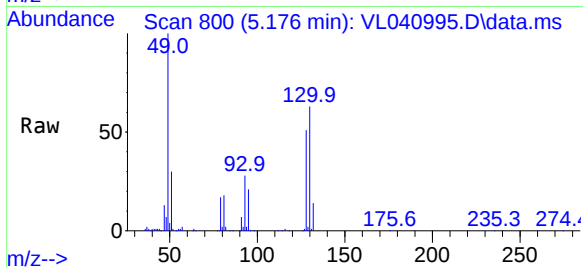


#26
Hexane
Concen: 0.032 ppbv
RT: 5.176 min Scan# 800
Delta R.T. 0.000 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 57 Resp: 3248

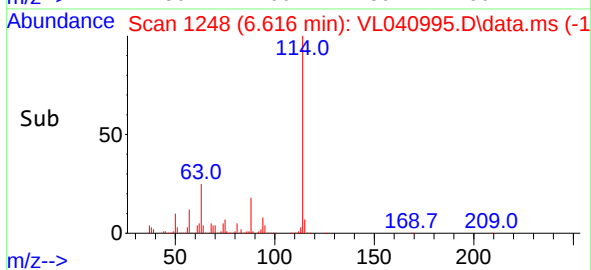
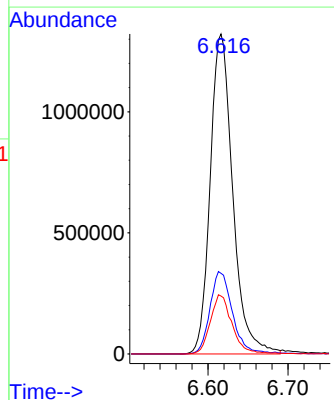
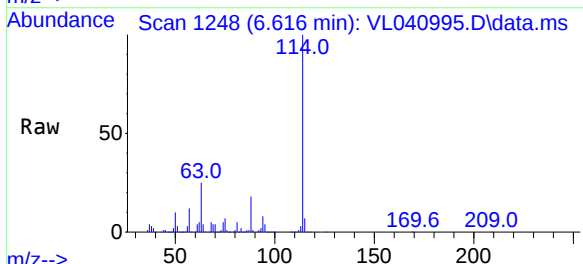
Ion	Ratio	Lower	Upper
57	100		
41	161.4	74.4	111.6#
43	0.0	190.6	285.8#
56	0.0	43.0	64.4#

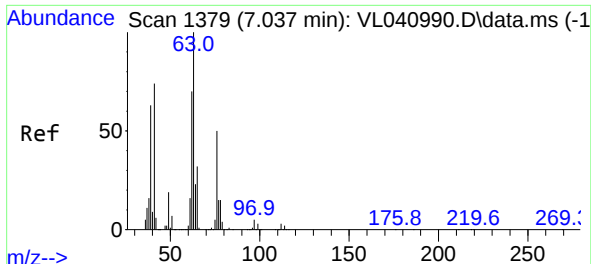


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VL040995.D
Acq: 23 Jan 2024 12:53

Tgt Ion: 114 Resp: 2588022

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.8	31.2
88	18.0	14.3	21.5





#39

1,2-Dichloropropane

Concen: 7.852 ppbv

RT: 6.613 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL040995.D

Acq: 23 Jan 2024 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

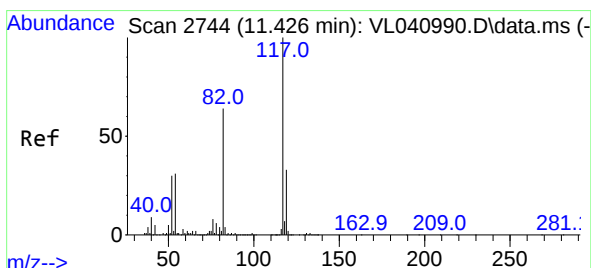
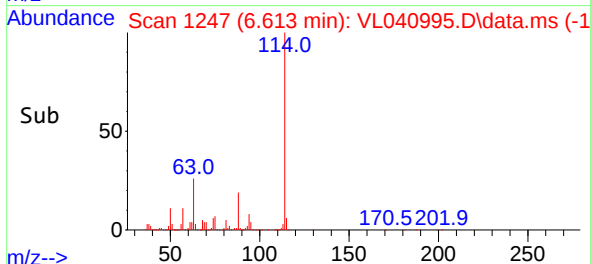
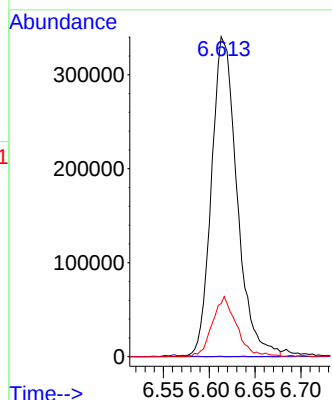
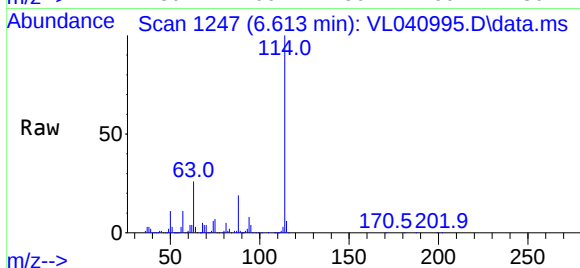
Tgt Ion: 63 Resp: 661191

Ion Ratio Lower Upper

63 100

41 0.2 59.6 89.4#

62 16.6 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.426 min Scan# 2744

Delta R.T. 0.000 min

Lab File: VL040995.D

Acq: 23 Jan 2024 12:53

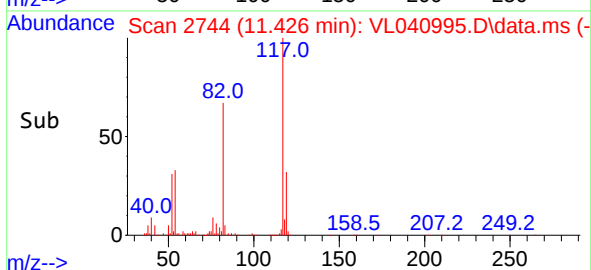
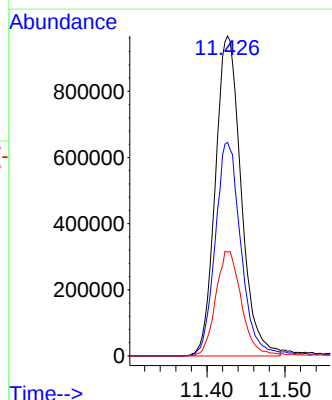
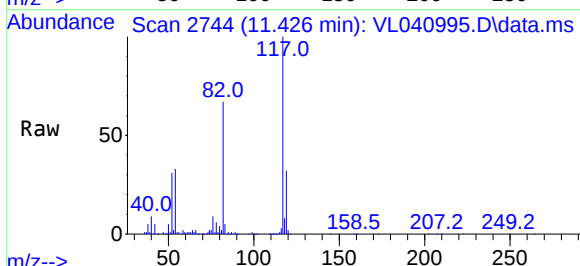
Tgt Ion: 117 Resp: 2221989

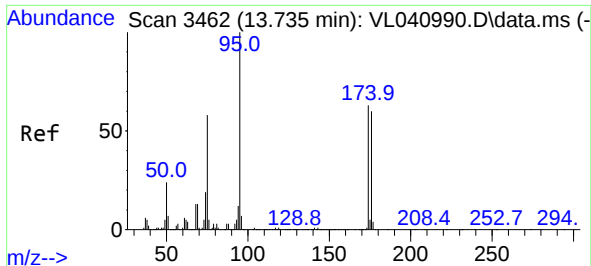
Ion Ratio Lower Upper

117 100

82 67.7 51.7 77.5

119 32.9 23.8 35.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.891 ppbv
 RT: 13.735 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VL040995.D
 Acq: 23 Jan 2024 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion: 95 Resp: 1659968

Ion	Ratio	Lower	Upper
95	100		
174	60.5	49.1	73.7
175	4.5	3.7	5.5

