

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040035.D
 Acq On : 19 Dec 2022 19:31
 Operator : SY/MD
 Sample : N6059-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

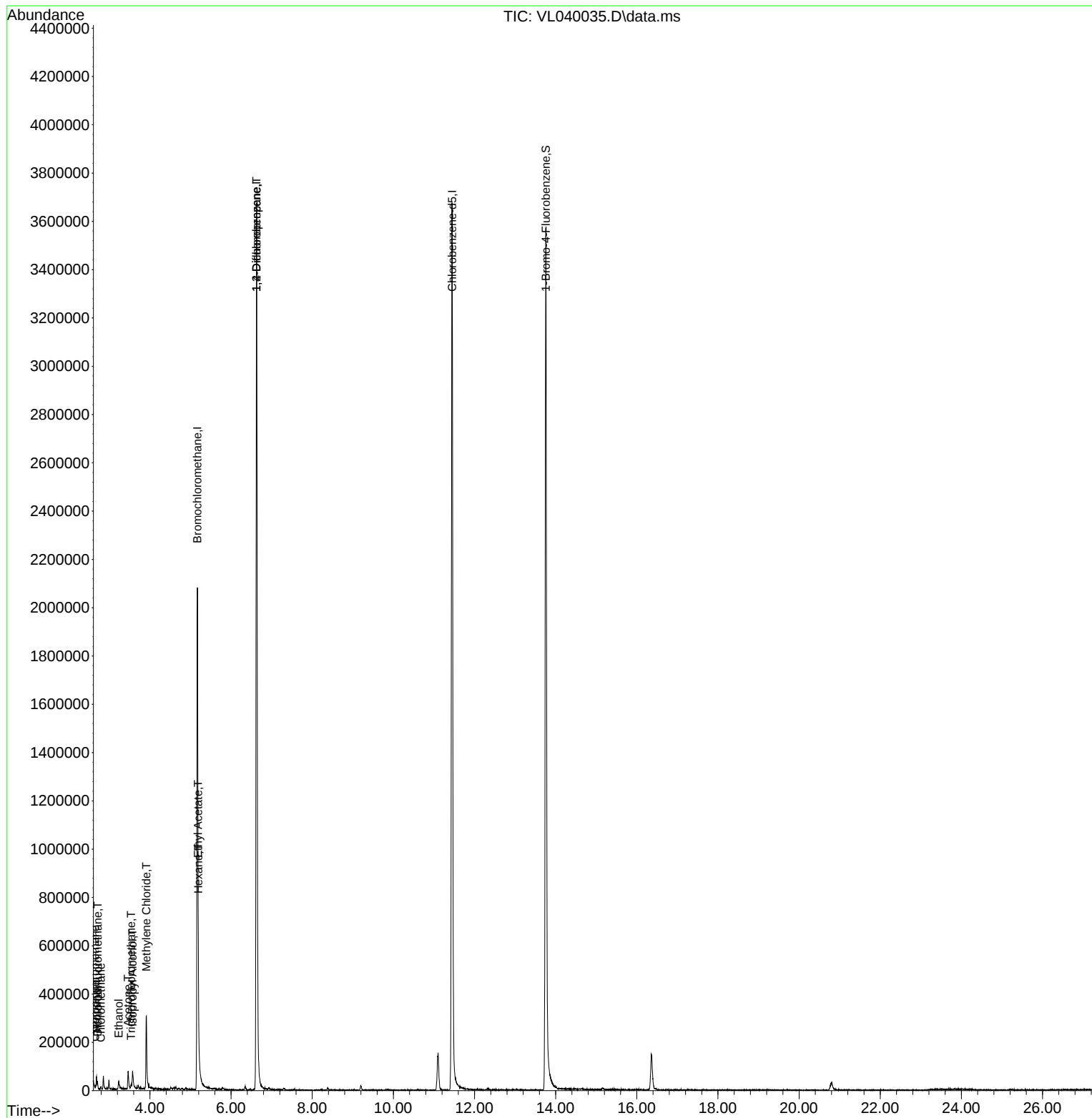
Quant Time: Dec 20 05:15:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

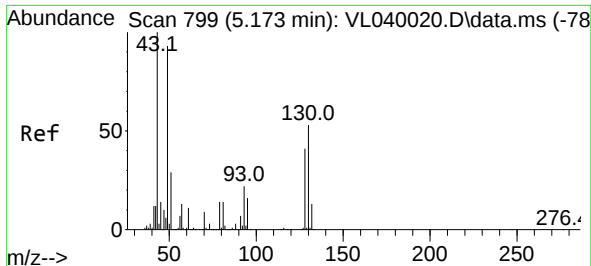
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.169	49	994821	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2845380	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2415819	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1858304	10.070	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	18199	0.098	ppbv	93
3) Chlorodifluoromethane	2.652	51	10186	0.069	ppbv	95
4) Chloromethane	2.793	50	9145	0.099	ppbv #	81
9) Propene	2.684	41	10414	0.167	ppbv #	82
11) Trichlorofluoromethane	3.536	101	9559	0.047	ppbv	98
13) Ethanol	3.231	45	24187	4.126	ppbv	68
15) Acetone	3.462	43	69000	0.448	ppbv	94
19) Isopropyl Alcohol	3.571	45	79028	1.042	ppbv #	93
20) Methylene Chloride	3.912	84	100139	1.531	ppbv	95
25) Ethyl Acetate	5.189	43	22048	0.083	ppbv #	84
26) Hexane	5.192	57	41938	0.374	ppbv #	40
39) 1,2-Dichloropropane	6.629	63	691821	7.263	ppbv #	23

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

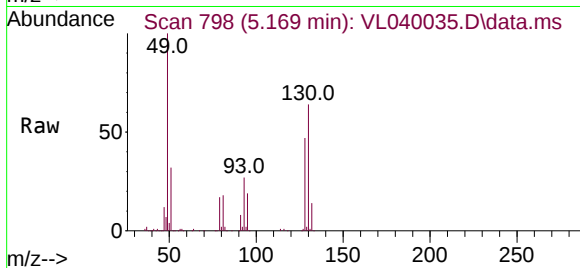
Quant Time: Dec 20 05:15:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration



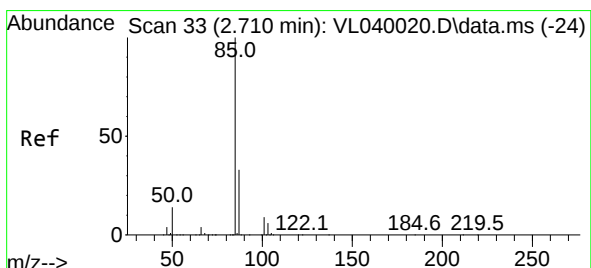
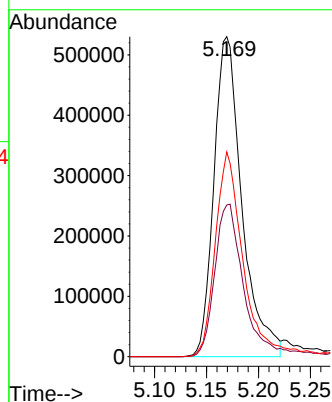
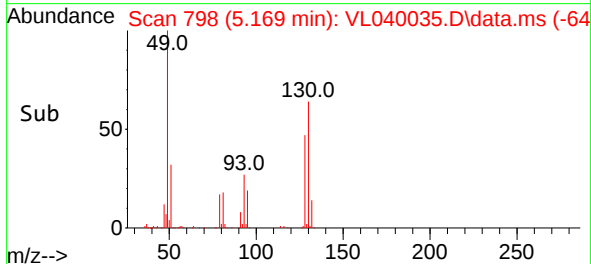


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Instrument :
MSVOA_L
ClientSampleId :

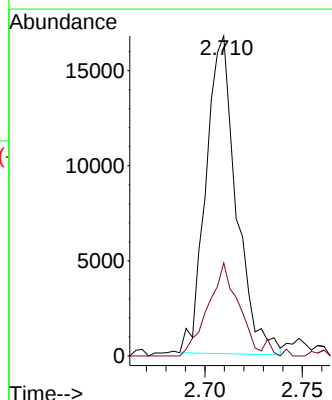
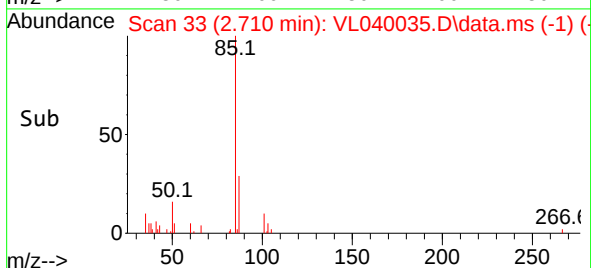
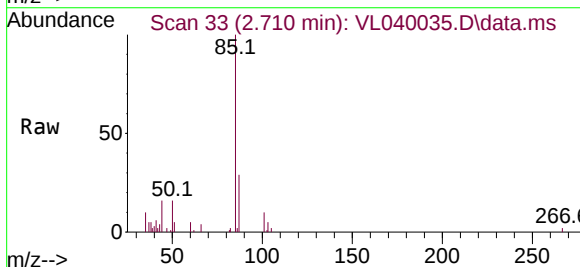


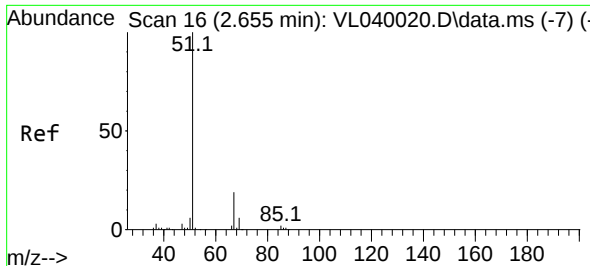
Tgt Ion: 49 Resp: 994821
Ion Ratio Lower Upper
49 100
128 50.3 22.4 67.3
130 66.7 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 0.098 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.000 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

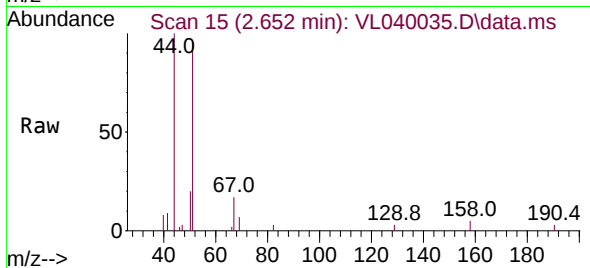
Tgt Ion: 85 Resp: 18199
Ion Ratio Lower Upper
85 100
87 29.4 26.6 40.0



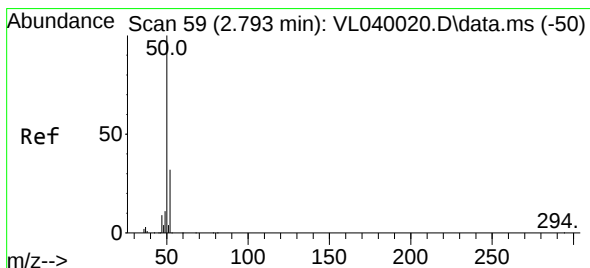
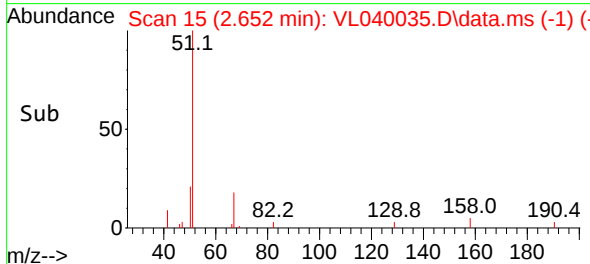
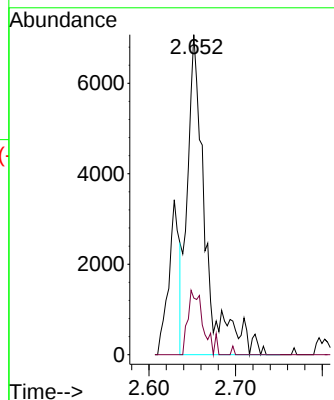


#3
Chlorodifluoromethane
Concen: 0.069 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Instrument :
MSVOA_L
ClientSampleId :

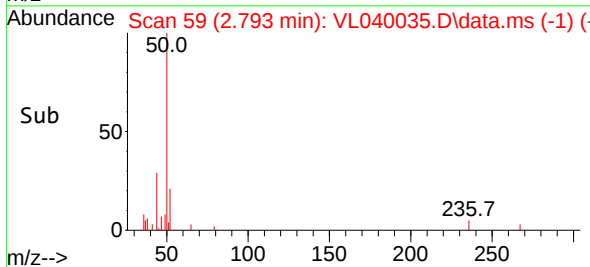
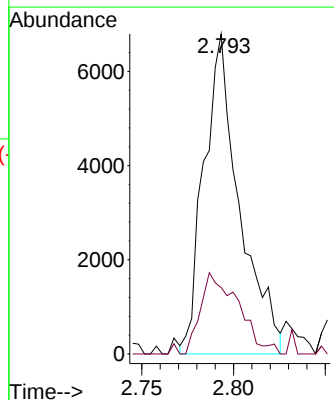
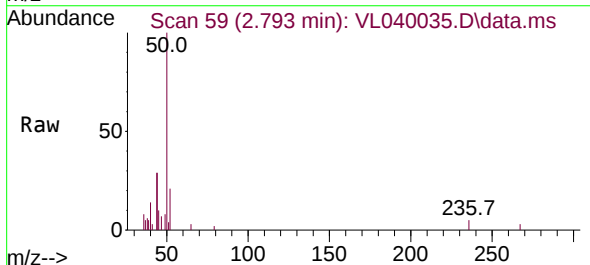


Tgt Ion: 51 Resp: 10186
Ion Ratio Lower Upper
51 100
67 17.0 15.3 22.9

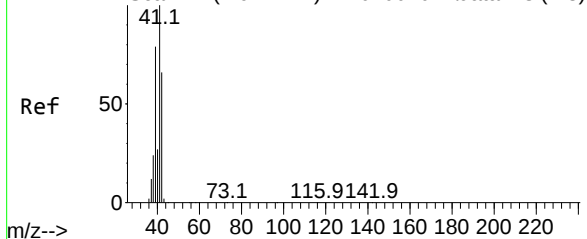


#4
Chloromethane
Concen: 0.099 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Tgt Ion: 50 Resp: 9145
Ion Ratio Lower Upper
50 100
52 21.3 25.5 38.3#



Abundance Scan 22 (2.674 min): VL040020.D\data.ms (-13)



#9

Propene

Concen: 0.167 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Instrument :

MSVOA_L

ClientSampleId :

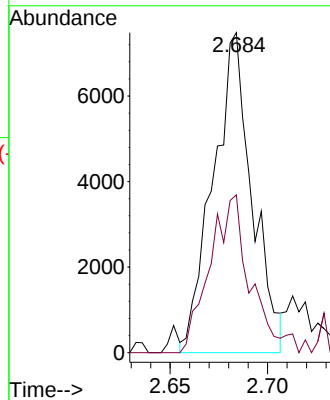
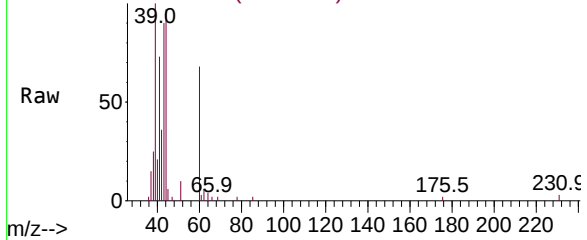
Tgt Ion: 41 Resp: 10414

Ion Ratio Lower Upper

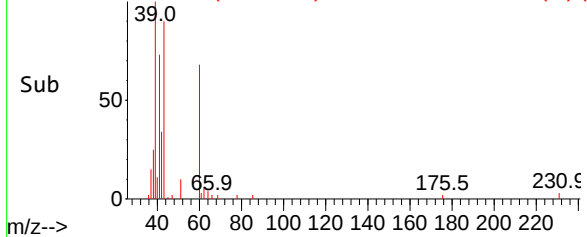
41 100

42 53.9 54.8 82.2#

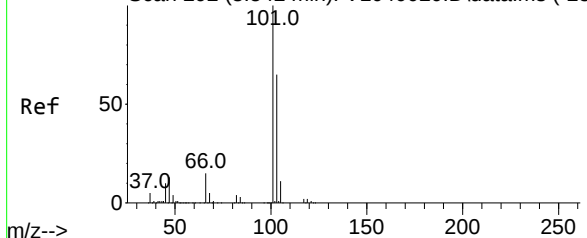
Abundance Scan 25 (2.684 min): VL040035.D\data.ms



Abundance Scan 25 (2.684 min): VL040035.D\data.ms (-1)



Abundance Scan 292 (3.542 min): VL040020.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 0.047 ppbv

RT: 3.536 min Scan# 290

Delta R.T. -0.006 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

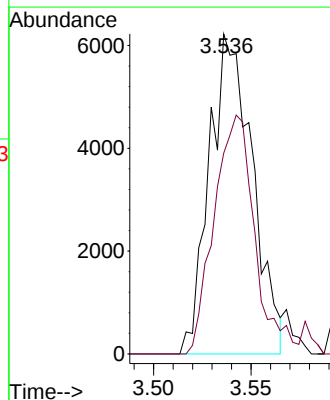
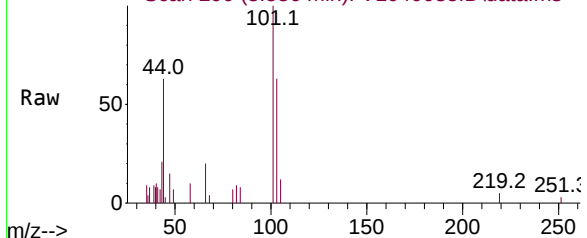
Tgt Ion: 101 Resp: 9559

Ion Ratio Lower Upper

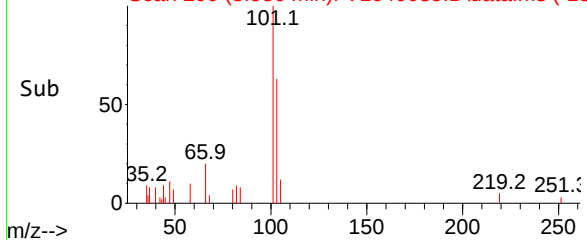
101 100

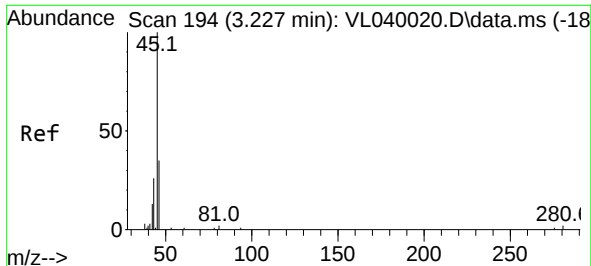
103 62.8 51.7 77.5

Abundance Scan 290 (3.536 min): VL040035.D\data.ms



Abundance Scan 290 (3.536 min): VL040035.D\data.ms (-13)

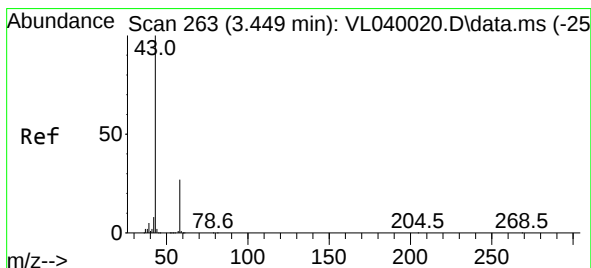
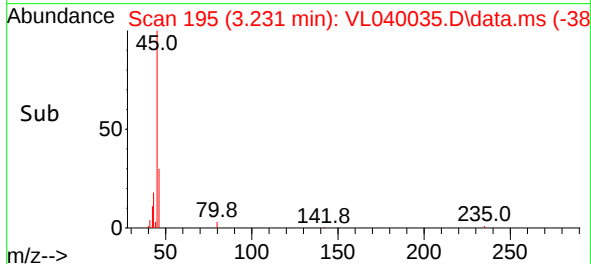
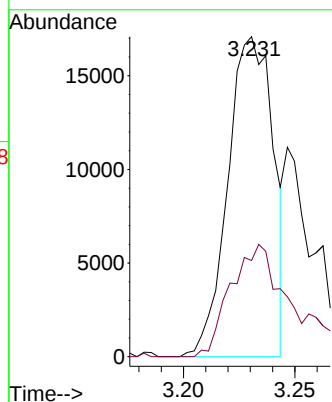
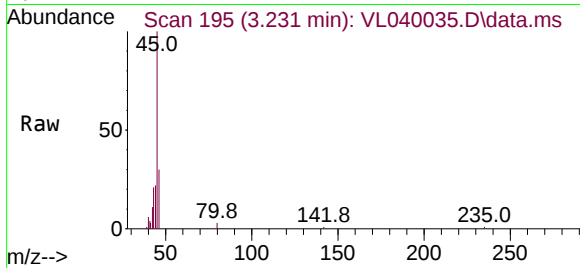




#13
Ethanol
Concen: 4.126 ppbv
RT: 3.231 min Scan# 194
Delta R.T. 0.003 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

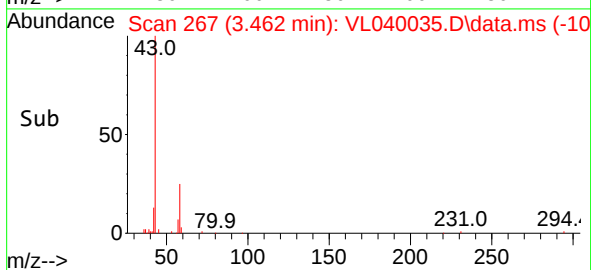
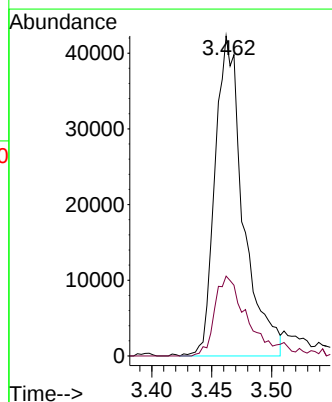
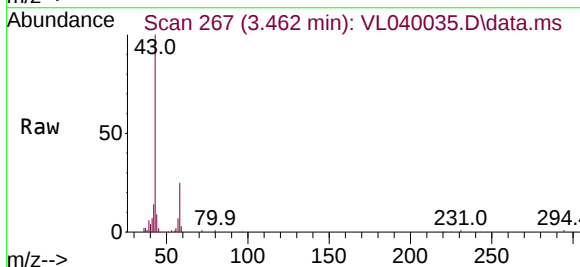
Instrument :
MSVOA_L
ClientSampleId :

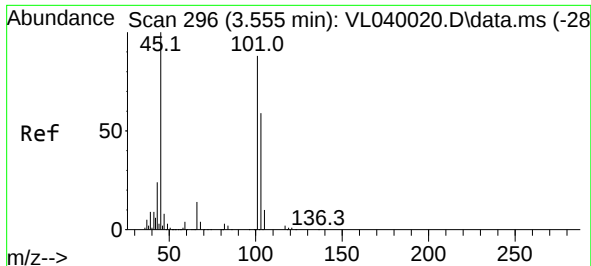
Tgt Ion: 45 Resp: 24187
Ion Ratio Lower Upper
45 100
46 52.8 13.7 54.7



#15
Acetone
Concen: 0.448 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.013 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Tgt Ion: 43 Resp: 69000
Ion Ratio Lower Upper
43 100
58 30.7 21.8 32.8





#19

Isopropyl Alcohol

Concen: 1.042 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.016 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Instrument :

MSVOA_L

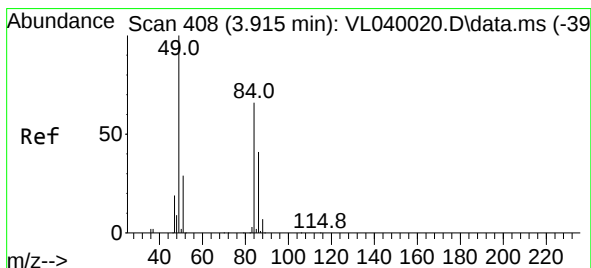
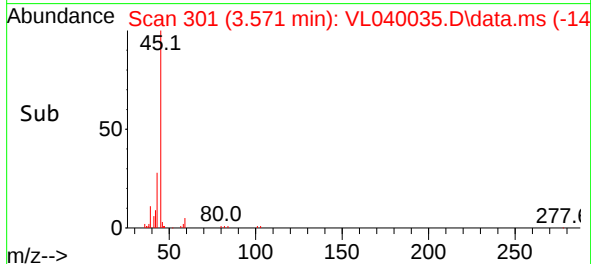
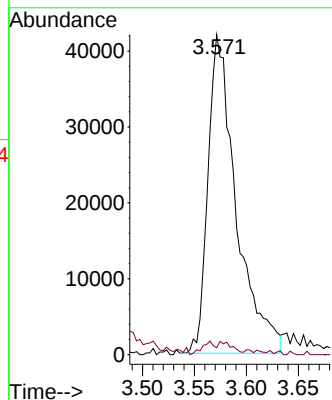
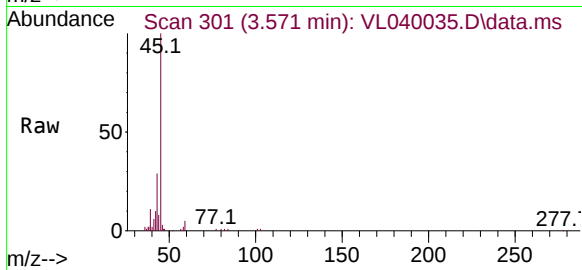
ClientSampleId :

Tgt Ion: 45 Resp: 79028

Ion Ratio Lower Upper

45 100

58 4.6 1.7 2.5#



#20

Methylene Chloride

Concen: 1.531 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Tgt Ion: 84 Resp: 100139

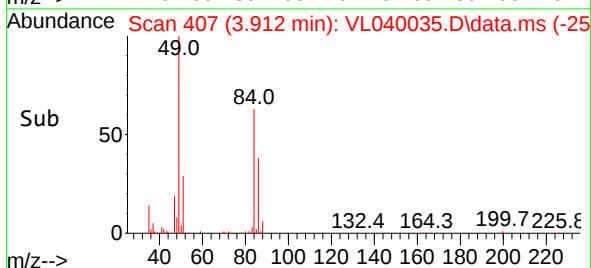
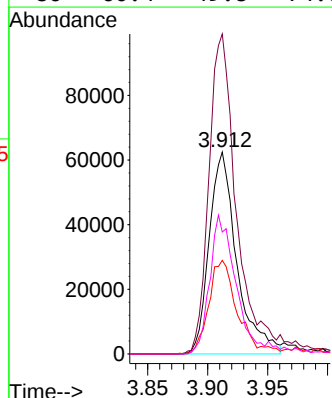
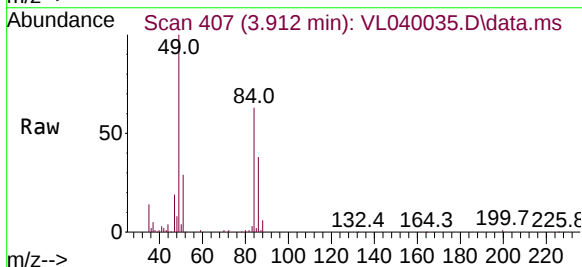
Ion Ratio Lower Upper

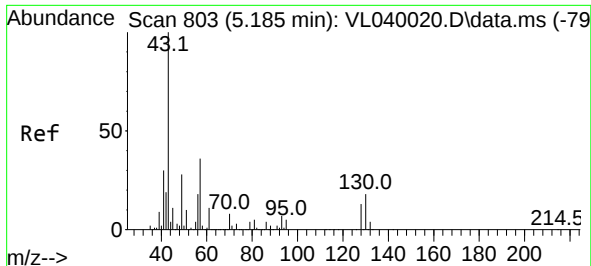
84 100

49 158.4 120.5 180.7

51 46.0 35.2 52.8

86 60.4 49.8 74.6

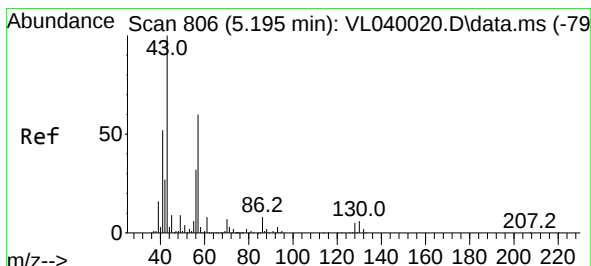
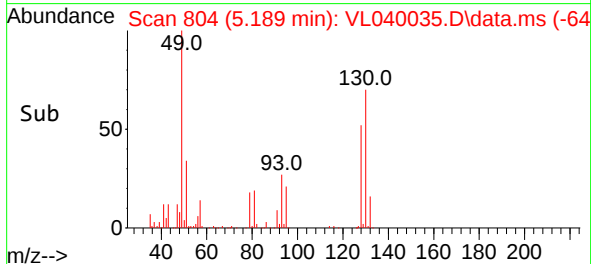
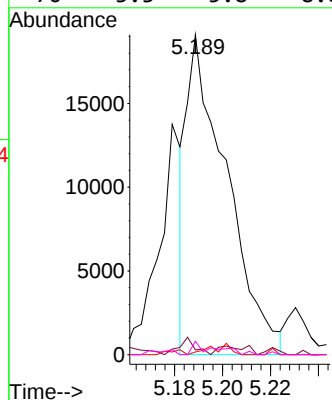
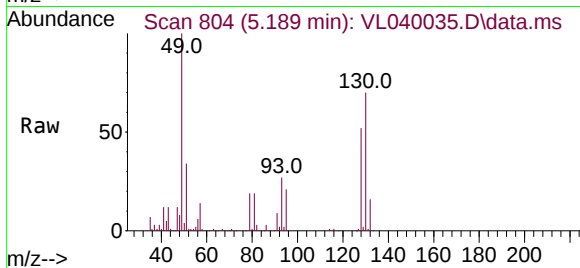




#25
Ethyl Acetate
Concen: 0.083 ppbv
RT: 5.189 min Scan# 803
Delta R.T. 0.003 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

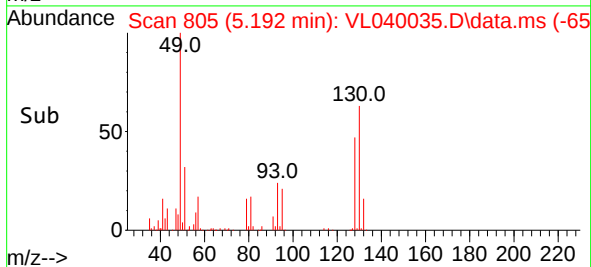
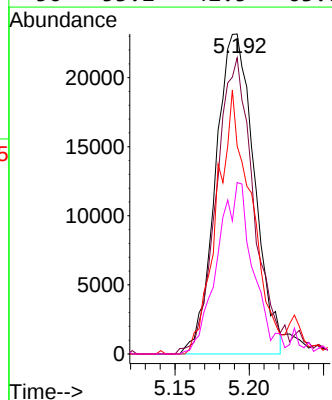
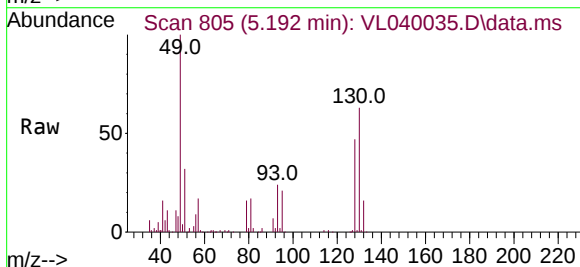
Instrument :
MSVOA_L
ClientSampleId :

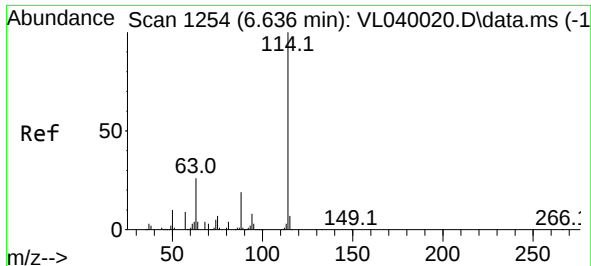
Tgt Ion: 43 Resp: 22048
Ion Ratio Lower Upper
43 100
45 5.0 8.6 12.8#
61 2.6 8.5 12.7#
70 3.3 5.8 8.8#



#26
Hexane
Concen: 0.374 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040035.D
Acq: 19 Dec 2022 19:31

Tgt Ion: 57 Resp: 41938
Ion Ratio Lower Upper
57 100
41 93.8 72.1 108.1
43 78.9 192.1 288.1#
56 53.2 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Instrument :

MSVOA_L

ClientSampleId :

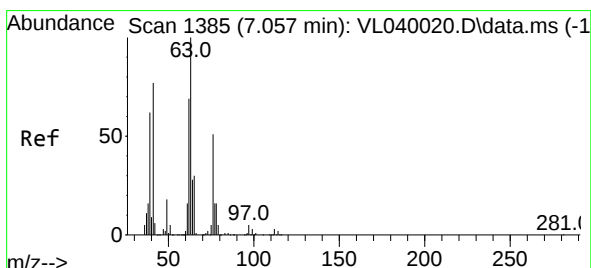
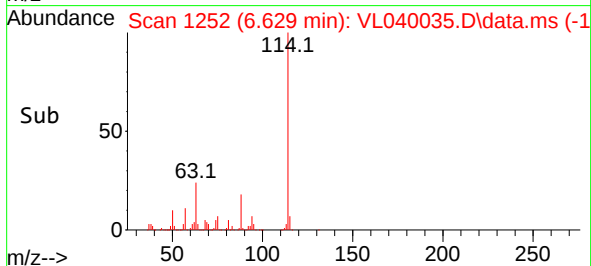
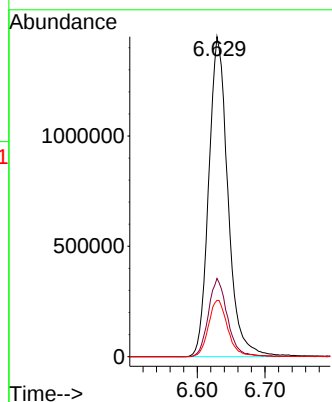
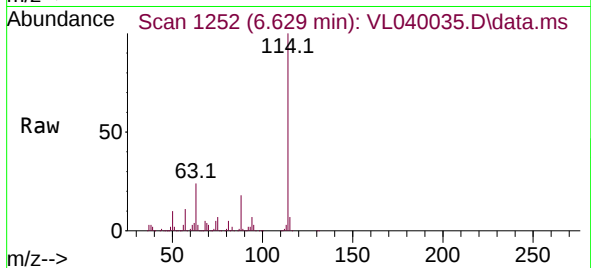
Tgt Ion:114 Resp: 2845380

Ion Ratio Lower Upper

114 100

63 24.5 20.2 30.2

88 17.9 14.6 21.8



#39

1,2-Dichloropropane

Concen: 7.263 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.428 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

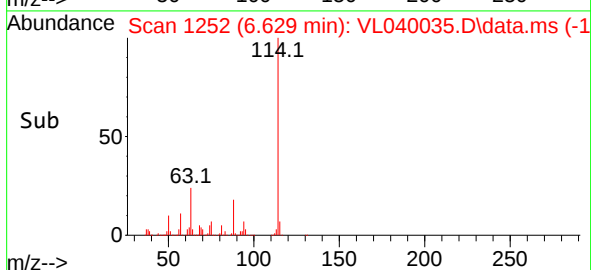
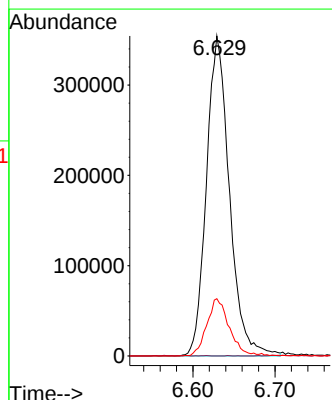
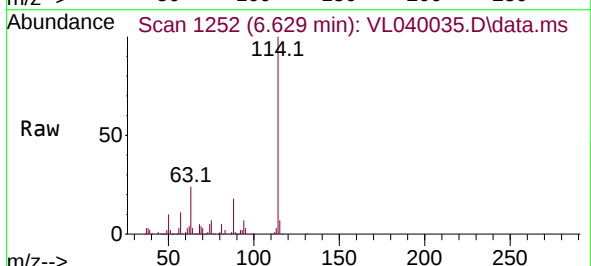
Tgt Ion: 63 Resp: 691821

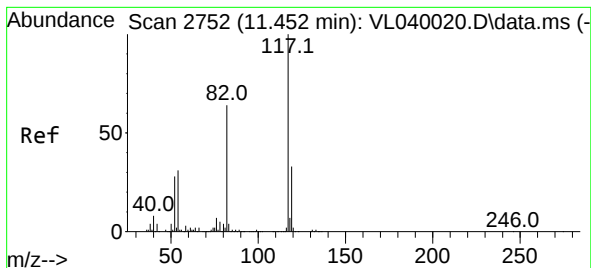
Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 17.8 55.4 83.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Instrument :

MSVOA_L

ClientSampleId :

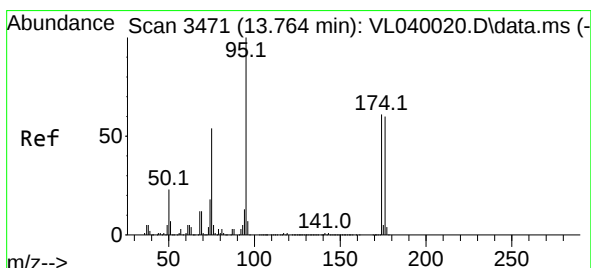
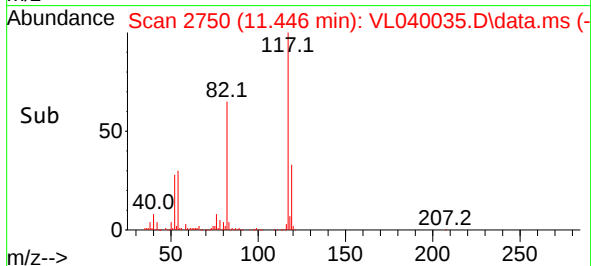
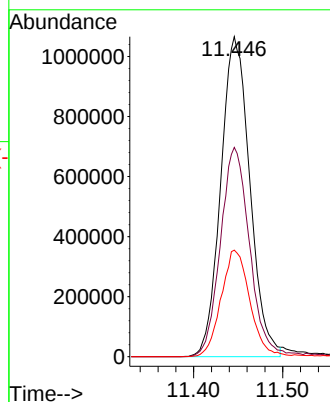
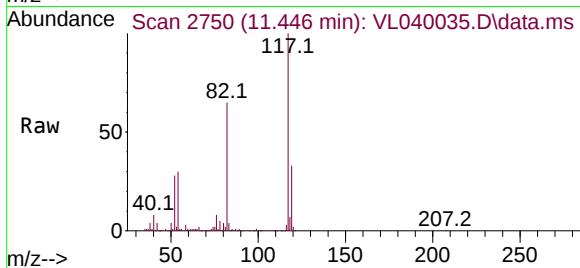
Tgt Ion:117 Resp: 2415819

Ion Ratio Lower Upper

117 100

82 66.6 51.2 76.8

119 33.4 23.2 34.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.070 ppbv

RT: 13.757 min Scan# 3469

Delta R.T. -0.006 min

Lab File: VL040035.D

Acq: 19 Dec 2022 19:31

Tgt Ion: 95 Resp: 1858304

Ion Ratio Lower Upper

95 100

174 62.4 48.6 73.0

175 4.5 3.4 5.2

