

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040041.D
 Acq On : 19 Dec 2022 23:27
 Operator : SY/MD
 Sample : N5971-10DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 05:17:36 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)

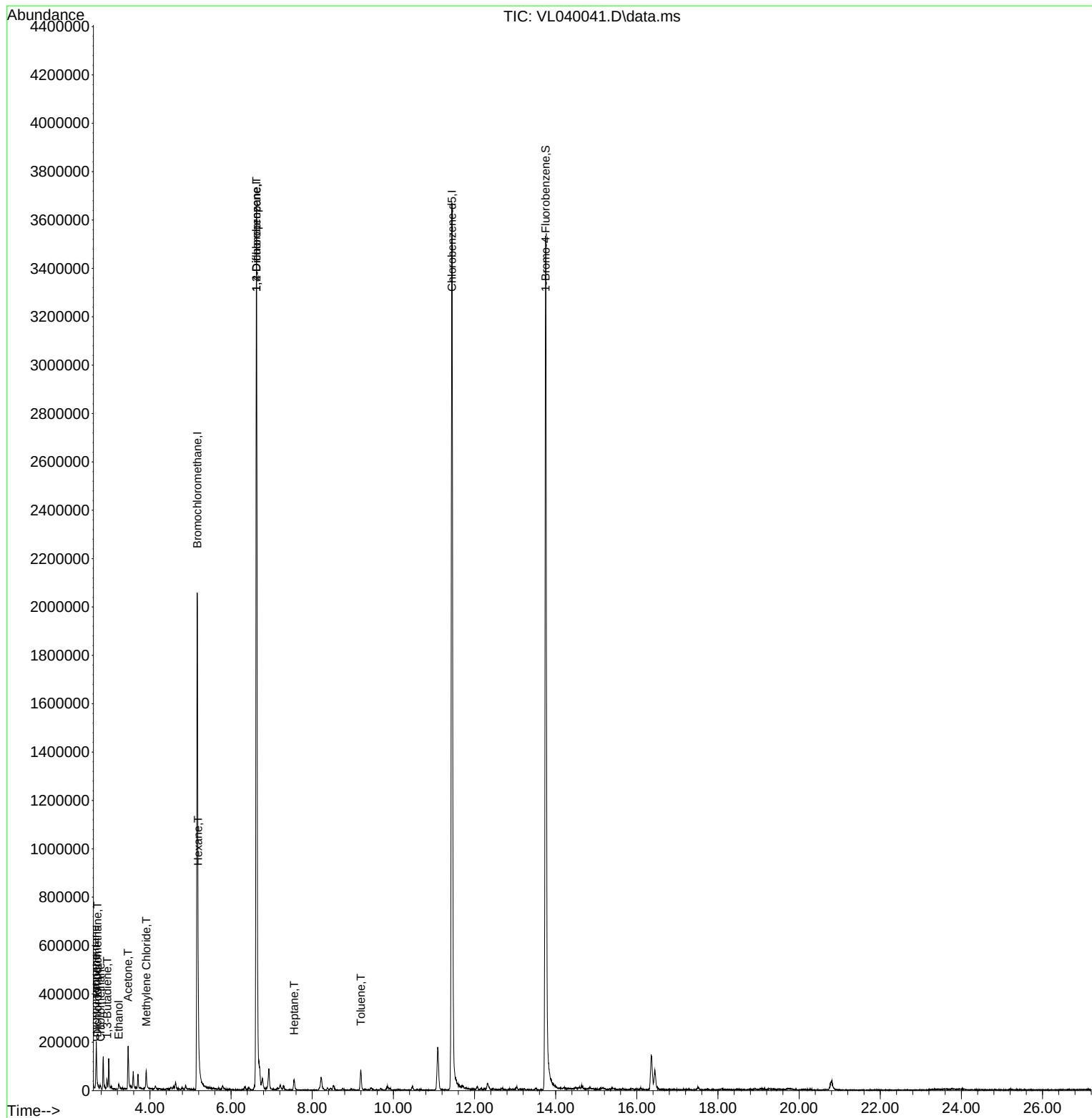
Internal Standards						
1) Bromochloromethane	5.166	49	1025453	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2872487	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2495484	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1876563	9.844	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	8300	0.043	ppbv #	78
3) Chlorodifluoromethane	2.652	51	5763	0.038	ppbv #	86
4) Chloromethane	2.787	50	4571	0.048	ppbv #	72
9) Propene	2.678	41	56641	0.882	ppbv	90
10) Heptane	7.552	43	6695	0.043	ppbv #	26
13) Ethanol	3.231	45	17918	2.965	ppbv #	62
15) Acetone	3.462	43	132893	0.838	ppbv	99
16) 1,3-Butadiene	2.951	39	3115	0.045	ppbv	100
20) Methylene Chloride	3.909	84	22757	0.337	ppbv	96
26) Hexane	5.185	57	14424	0.125	ppbv #	40
39) 1,2-Dichloropropane	6.626	63	694054	7.218	ppbv #	22
53) Toluene	9.198	91	65876	0.232	ppbv	99

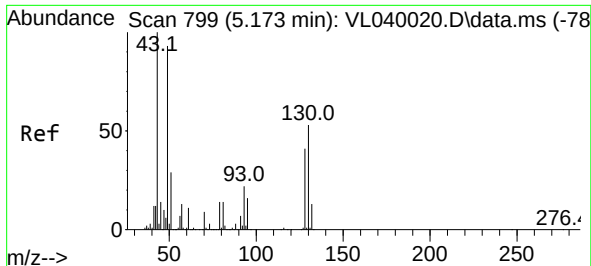
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N5971-10DL 10X
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Instrument :
MSVOA_L
ClientSampleId :

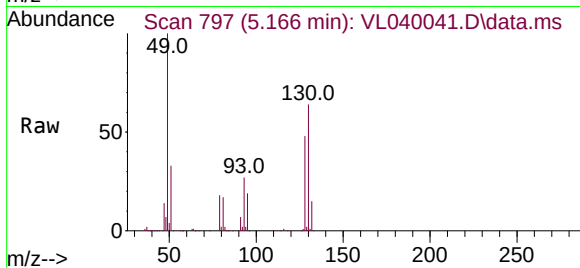
Quant Time: Dec 20 05:17:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration



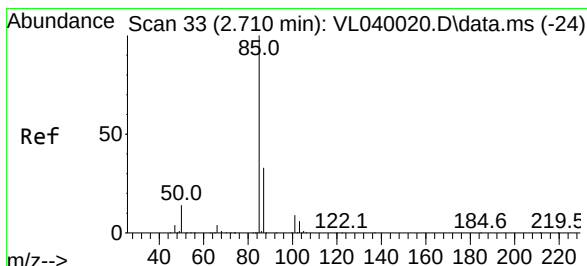
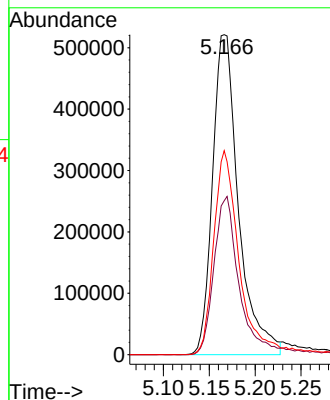
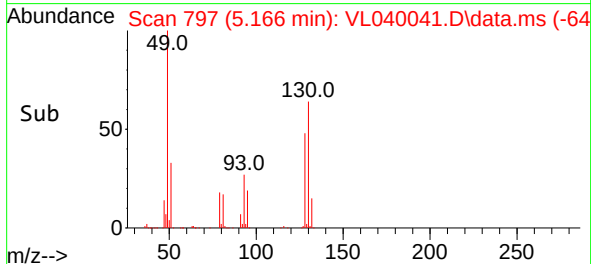


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 799
Delta R.T. -0.007 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

Instrument :
MSVOA_L
ClientSampleId :

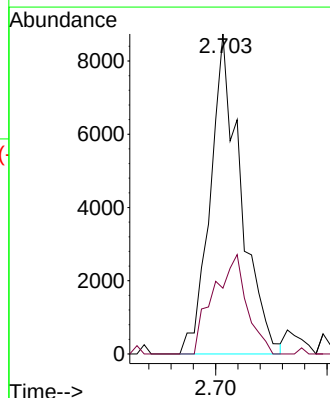
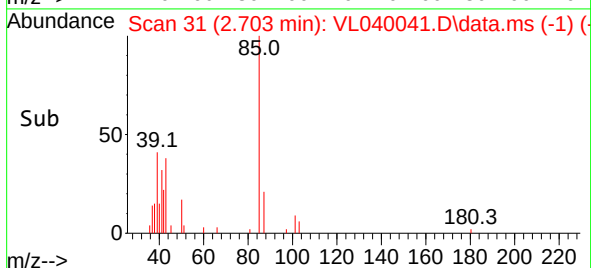
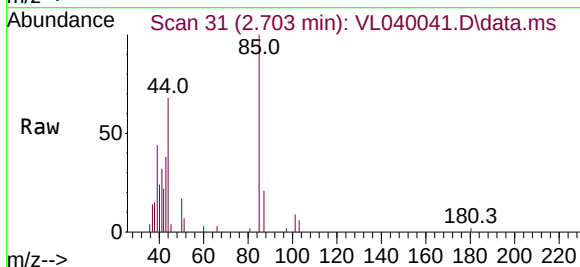


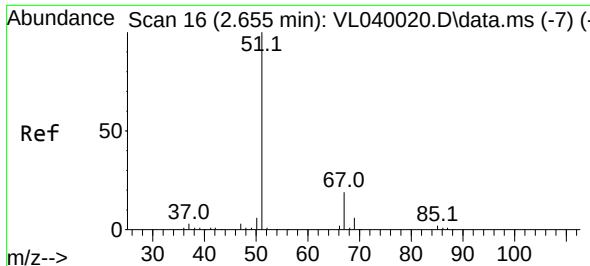
Tgt Ion: 49 Resp: 1025453
Ion Ratio Lower Upper
49 100
128 49.9 22.4 67.3
130 64.3 28.9 86.8



#2
Dichlorodifluoromethane
Concen: 0.043 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

Tgt Ion: 85 Resp: 8300
Ion Ratio Lower Upper
85 100
87 20.5 26.6 40.0#

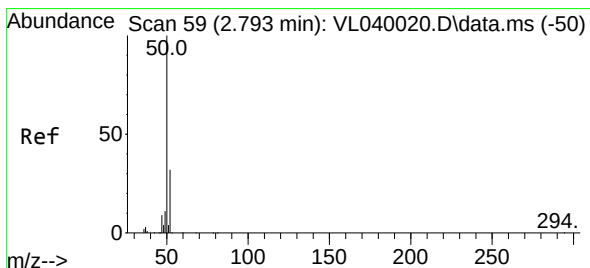
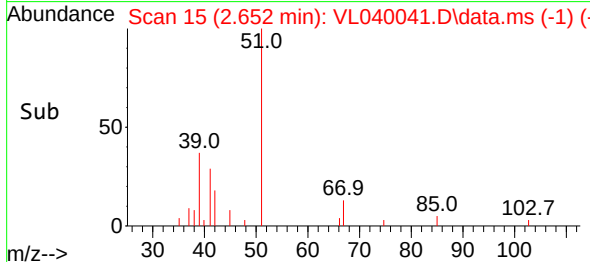
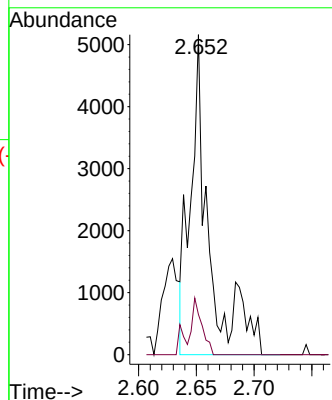
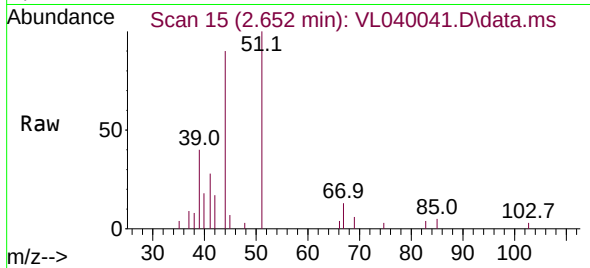




#3
Chlorodifluoromethane
Concen: 0.038 ppbv
RT: 2.652 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

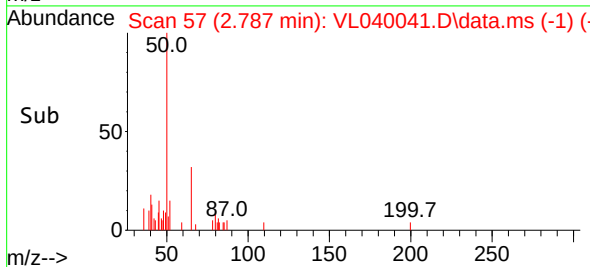
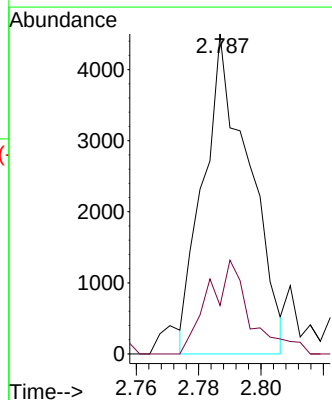
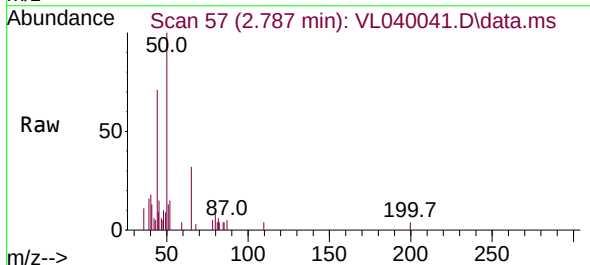
Instrument :
MSVOA_L
ClientSampleId :

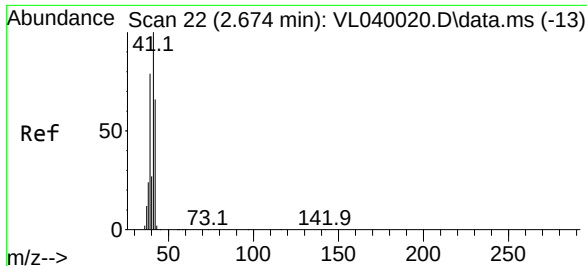
Tgt Ion: 51 Resp: 5763
Ion Ratio Lower Upper
51 100
67 12.6 15.3 22.9#



#4
Chloromethane
Concen: 0.048 ppbv
RT: 2.787 min Scan# 57
Delta R.T. -0.006 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

Tgt Ion: 50 Resp: 4571
Ion Ratio Lower Upper
50 100
52 16.4 25.5 38.3#





#9

Propene

Concen: 0.882 ppbv

RT: 2.678 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040041.D

Acq: 19 Dec 2022 23:27

Instrument :

MSVOA_L

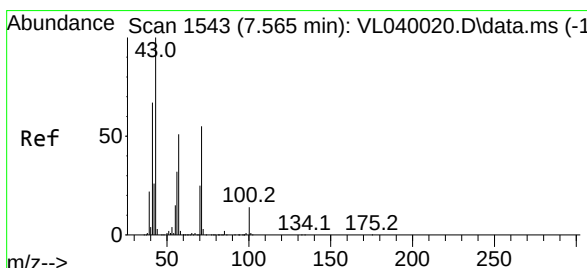
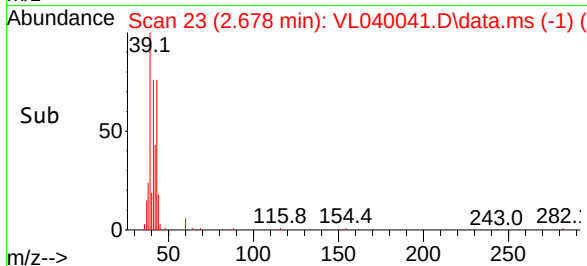
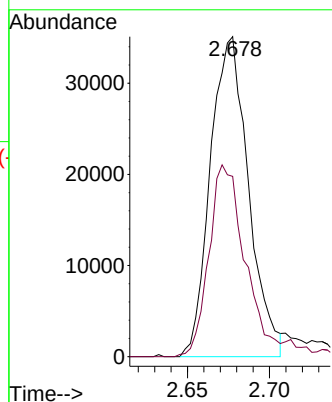
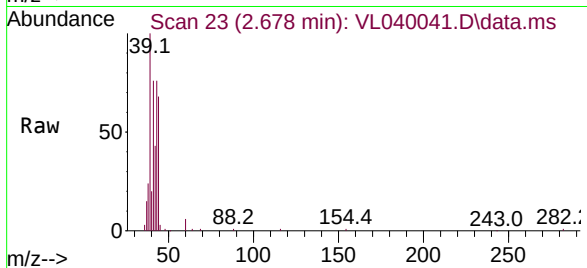
ClientSampleId :

Tgt Ion: 41 Resp: 56641

Ion Ratio Lower Upper

41 100

42 60.1 54.8 82.2



#10

Heptane

Concen: 0.043 ppbv

RT: 7.552 min Scan# 1539

Delta R.T. -0.013 min

Lab File: VL040041.D

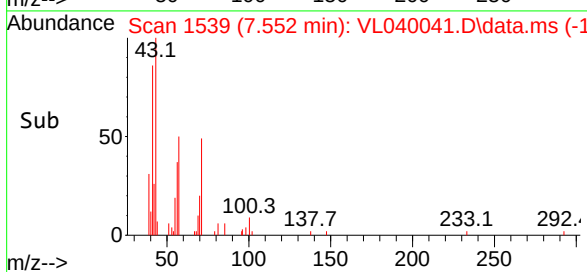
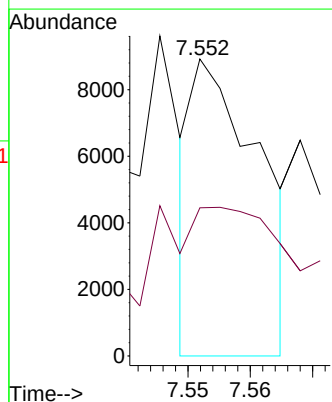
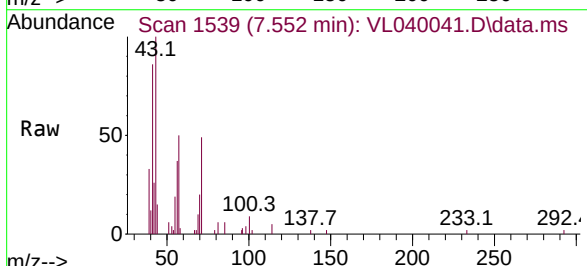
Acq: 19 Dec 2022 23:27

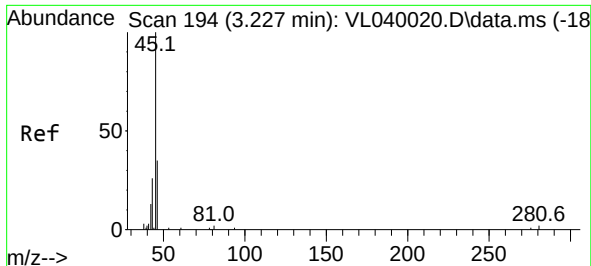
Tgt Ion: 43 Resp: 6695

Ion Ratio Lower Upper

43 100

57 0.0 41.2 61.8#

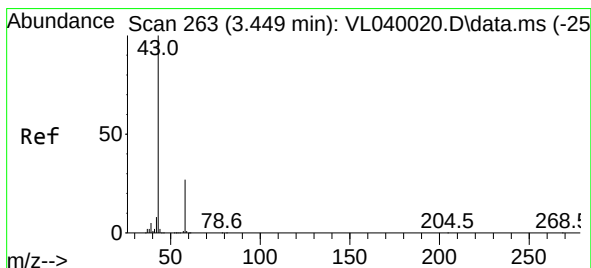
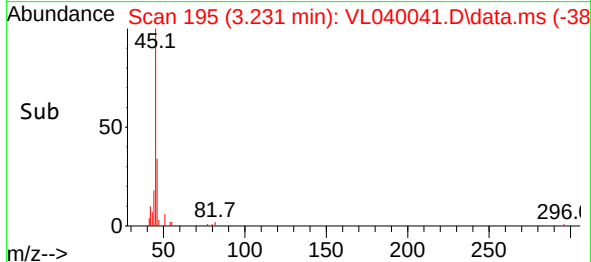
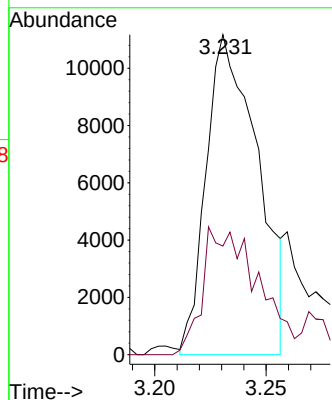
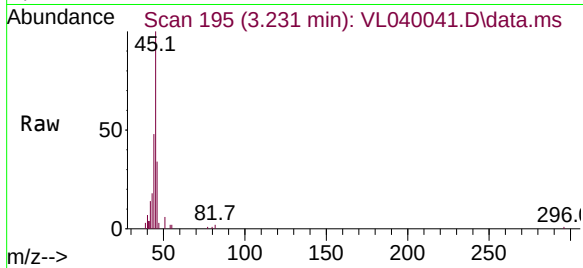




#13
 Ethanol
 Concen: 2.965 ppbv
 RT: 3.231 min Scan# 194
 Delta R.T. 0.003 min
 Lab File: VL040041.D
 Acq: 19 Dec 2022 23:27

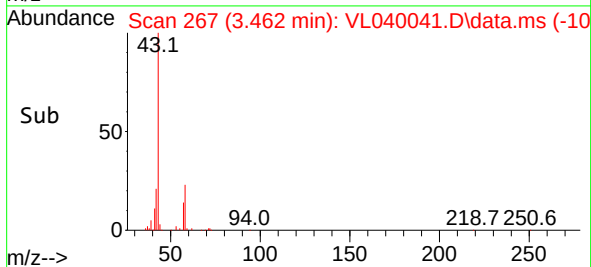
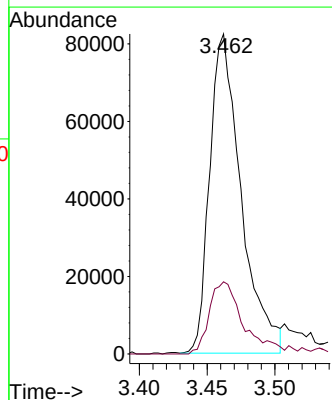
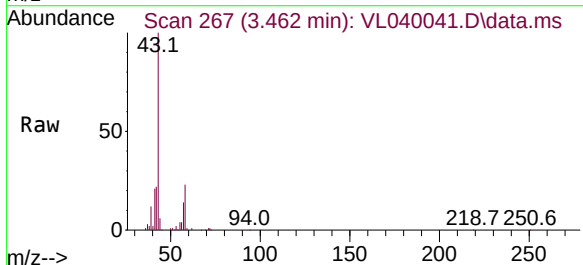
Instrument :
 MSVOA_L
 ClientSampleId :

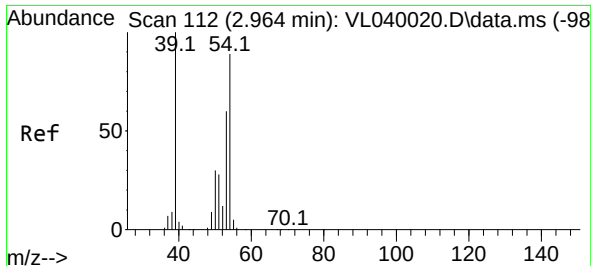
Tgt Ion: 45 Resp: 17918
 Ion Ratio Lower Upper
 45 100
 46 56.2 13.7 54.7#



#15
 Acetone
 Concen: 0.838 ppbv
 RT: 3.462 min Scan# 267
 Delta R.T. 0.013 min
 Lab File: VL040041.D
 Acq: 19 Dec 2022 23:27

Tgt Ion: 43 Resp: 132893
 Ion Ratio Lower Upper
 43 100
 58 26.7 21.8 32.8

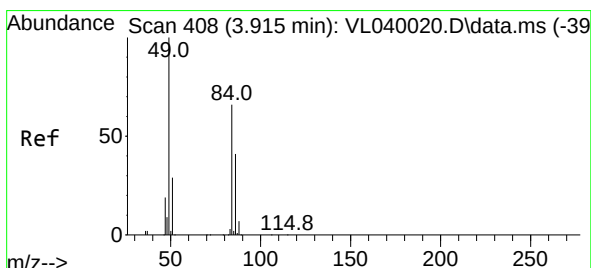
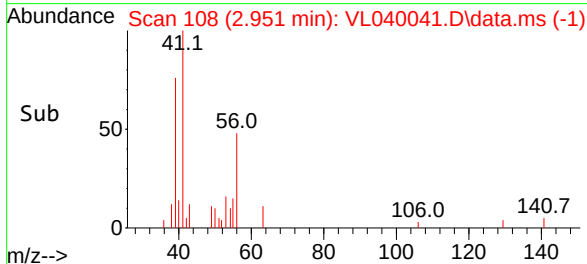
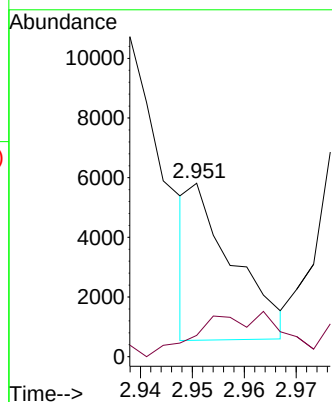
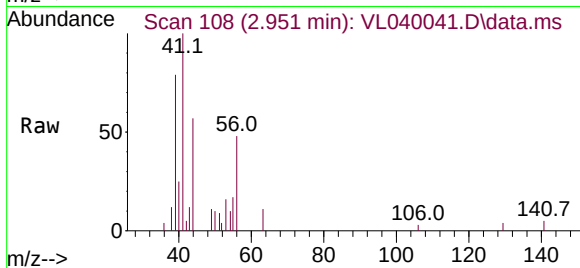




#16
1,3-Butadiene
Concen: 0.045 ppbv
RT: 2.951 min Scan# 108
Delta R.T. -0.013 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

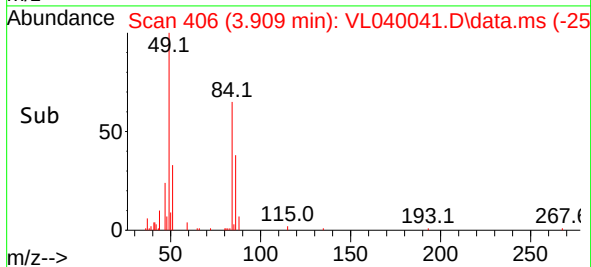
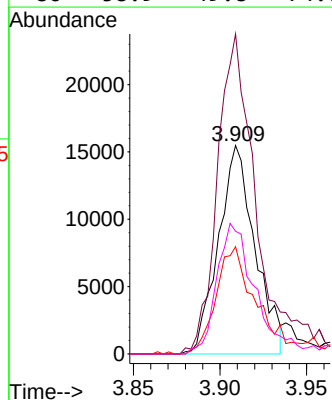
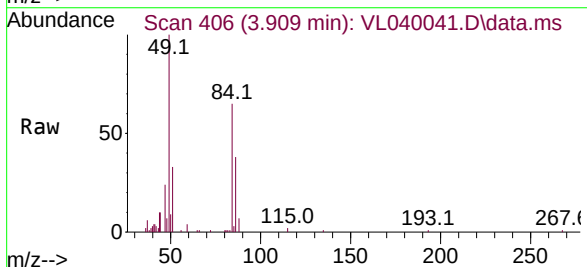
Instrument :
MSVOA_L
ClientSampleId :

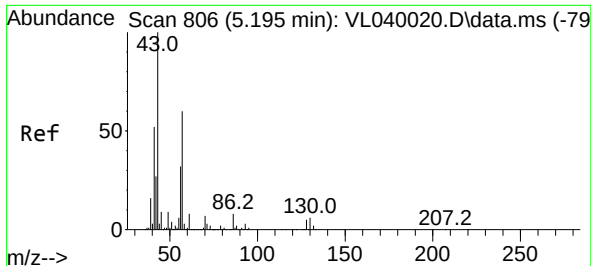
Tgt Ion: 39 Resp: 3115
Ion Ratio Lower Upper
39 100
54 85.6 68.3 102.5



#20
Methylene Chloride
Concen: 0.337 ppbv
RT: 3.909 min Scan# 406
Delta R.T. -0.006 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

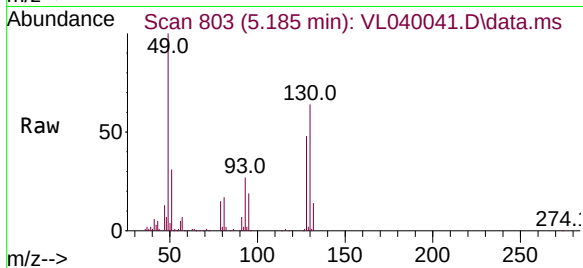
Tgt Ion: 84 Resp: 22757
Ion Ratio Lower Upper
84 100
49 153.5 120.5 180.7
51 51.4 35.2 52.8
86 58.9 49.8 74.6



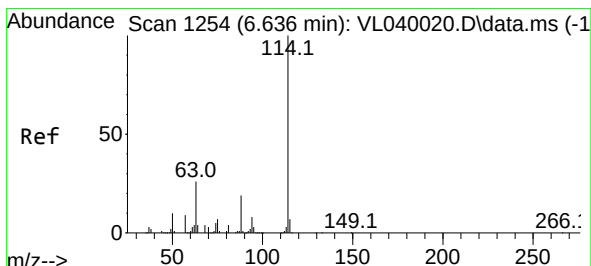
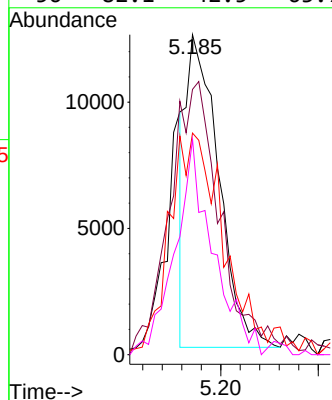
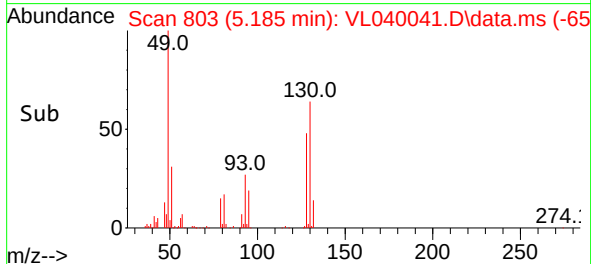


#26
Hexane
Concen: 0.125 ppbv
RT: 5.185 min Scan# 806
Delta R.T. -0.010 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

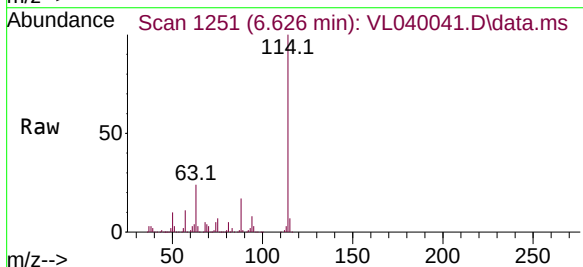
Instrument :
MSVOA_L
ClientSampleId :



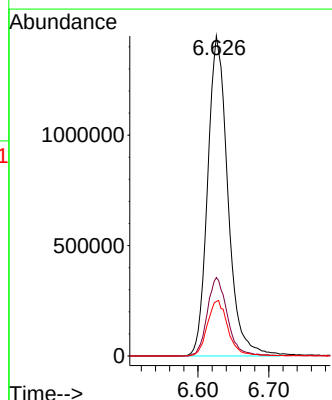
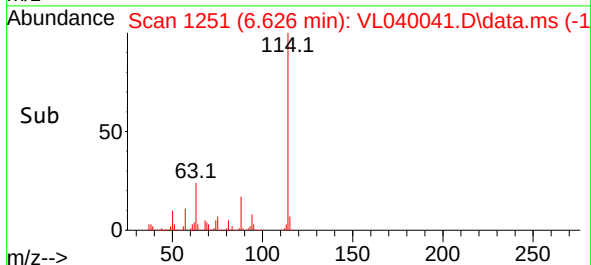
Tgt Ion: 57 Resp: 14424
Ion Ratio Lower Upper
57 100
41 140.0 72.1 108.1#
43 125.1 192.1 288.1#
56 82.1 42.5 63.7#

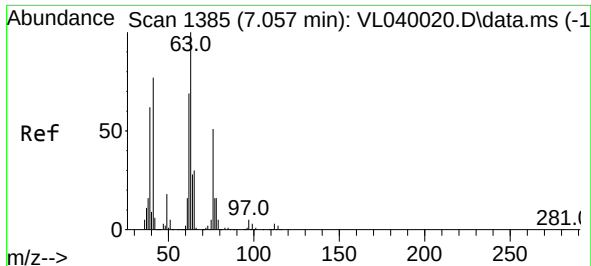


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.626 min Scan# 1251
Delta R.T. -0.010 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27



Tgt Ion: 114 Resp: 2872487
Ion Ratio Lower Upper
114 100
63 24.7 20.2 30.2
88 17.7 14.6 21.8





#39

1,2-Dichloropropane

Concen: 7.218 ppbv

RT: 6.626 min Scan# 11

Delta R.T. -0.431 min

Lab File: VL040041.D

Acq: 19 Dec 2022 23:27

Instrument :

MSVOA_L

ClientSampleId :

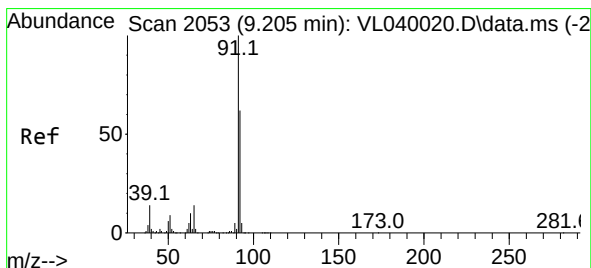
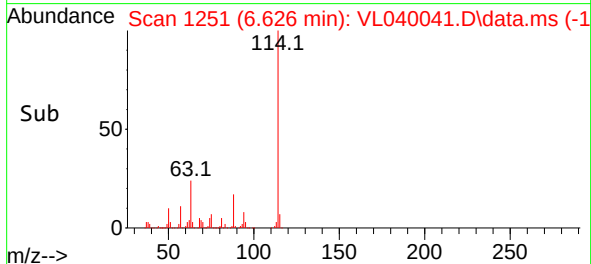
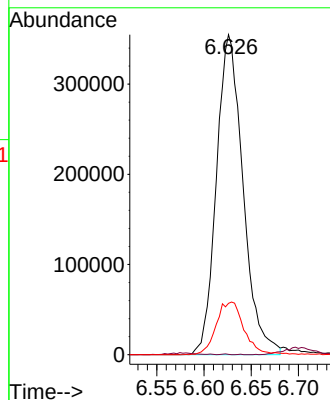
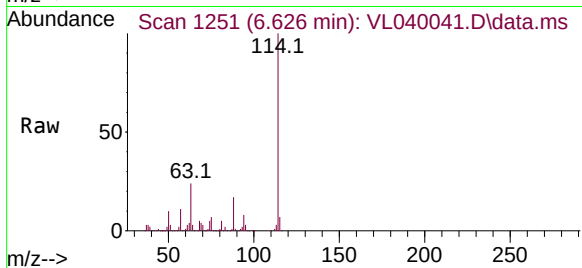
Tgt Ion: 63 Resp: 694054

Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 16.1 55.4 83.2#



#53

Toluene

Concen: 0.232 ppbv

RT: 9.198 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VL040041.D

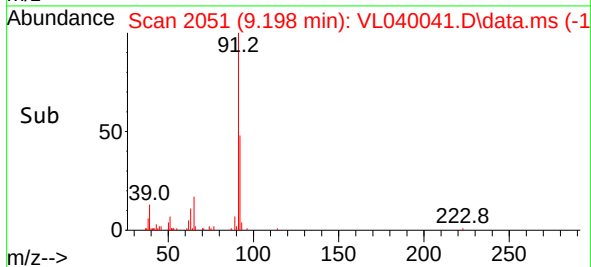
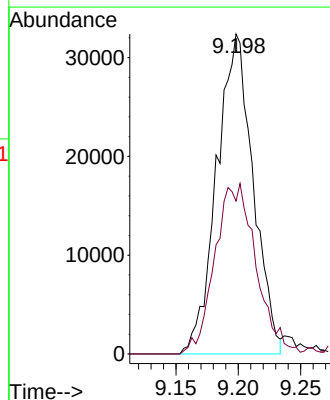
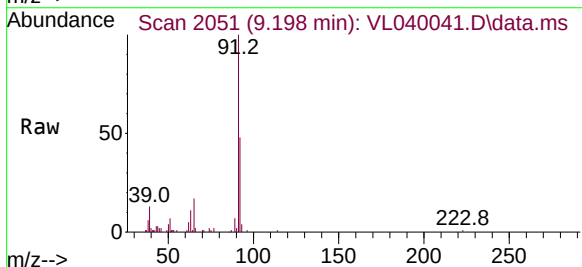
Acq: 19 Dec 2022 23:27

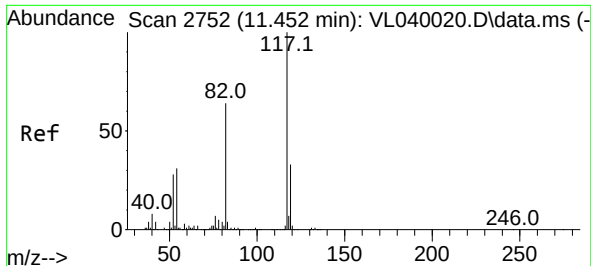
Tgt Ion: 91 Resp: 65876

Ion Ratio Lower Upper

91 100

92 60.1 48.7 73.1

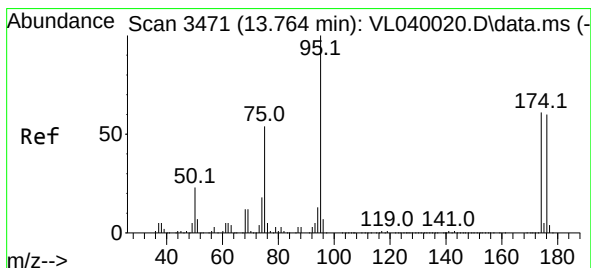
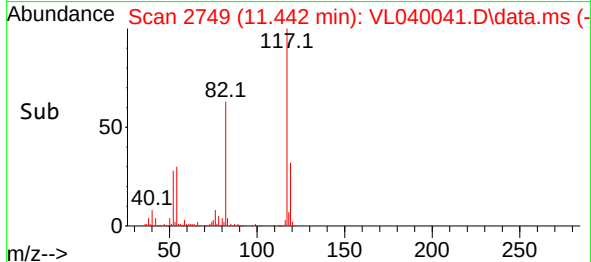
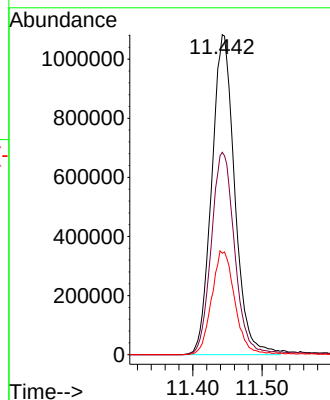
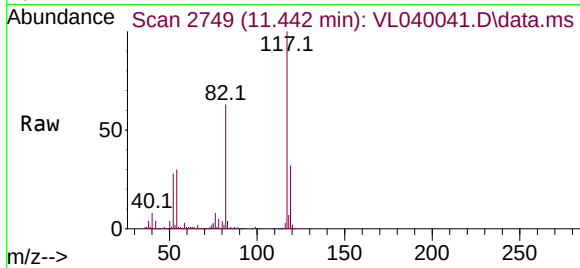




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2495484
Ion Ratio Lower Upper
117 100
82 65.0 51.2 76.8
119 33.2 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.844 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. -0.010 min
Lab File: VL040041.D
Acq: 19 Dec 2022 23:27

Tgt Ion: 95 Resp: 1876563
Ion Ratio Lower Upper
95 100
174 64.5 48.6 73.0
175 4.4 3.4 5.2

