

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040949.D
 Acq On : 22 Dec 2023 3:20
 Operator : SY/MD
 Sample : 05848-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL

Quant Time: Dec 22 04:33:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

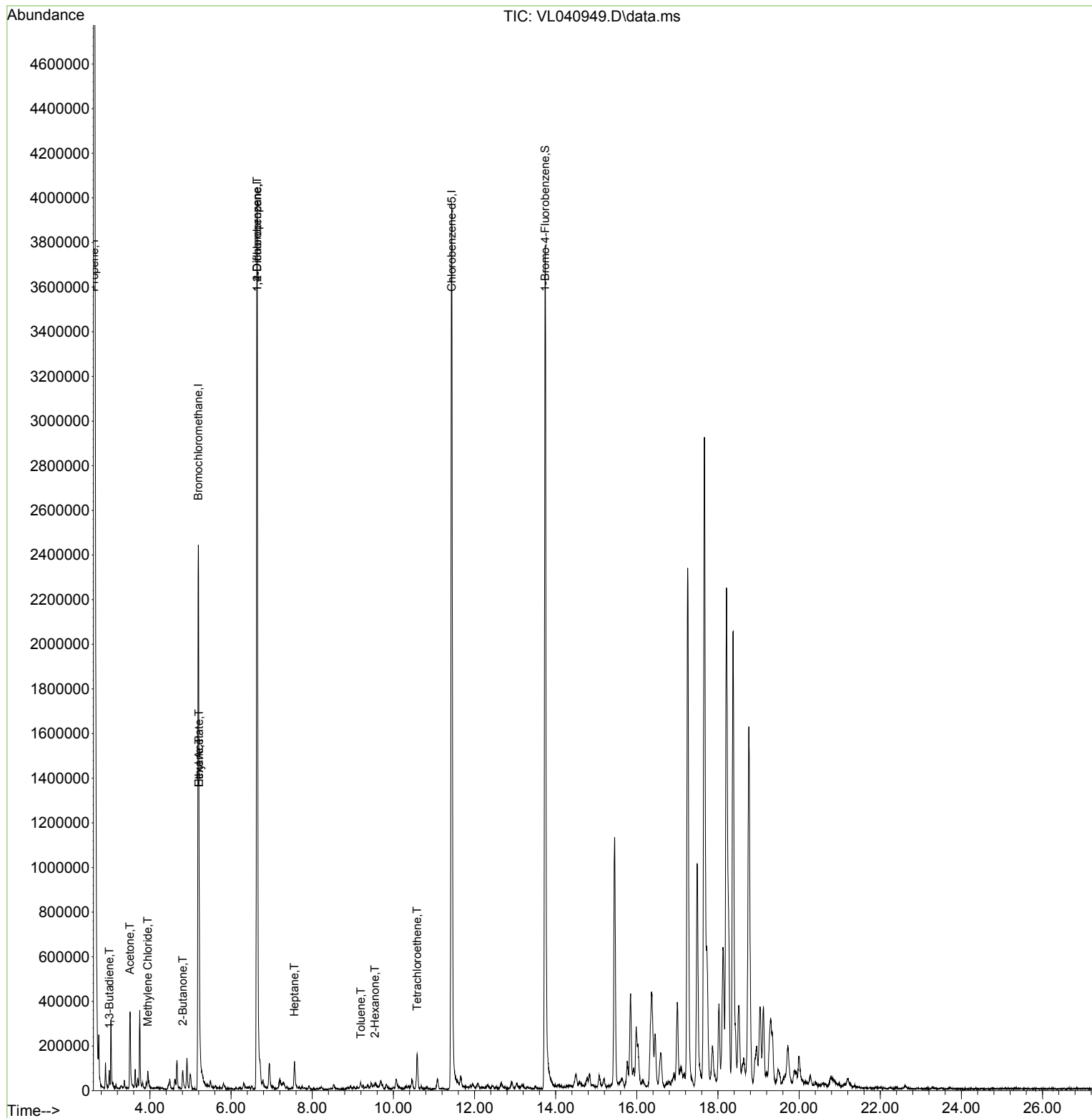
Internal Standards						
1) Bromochloromethane	5.192	49	1217972	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	3223561	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2775937	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1997824	9.771	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
9) Propene	2.626	41	2327	0.038	ppbv	88
10) Heptane	7.562	43	34799	0.231	ppbv #	53
15) Acetone	3.504	43	251138	1.719	ppbv	94
16) 1,3-Butadiene	3.002	39	19425	0.309	ppbv #	18
20) Methylene Chloride	3.948	84	21349	0.410	ppbv #	77
25) Ethyl Acetate	5.211	43	86709	0.343	ppbv #	78
26) Hexane	5.211	57	123047	1.097	ppbv #	40
34) 2-Butanone	4.809	43	109843	0.644	ppbv	98
39) 1,2-Dichloropropane	6.642	63	775561	7.832	ppbv #	23
51) 2-Hexanone	9.545	43	8616	0.046	ppbv #	30
52) Tetrachloroethene	10.587	164	35092	0.413	ppbv #	88
53) Toluene	9.198	91	16002	0.057	ppbv	100

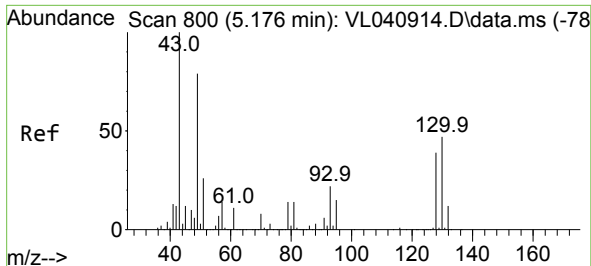
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 22 04:33:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

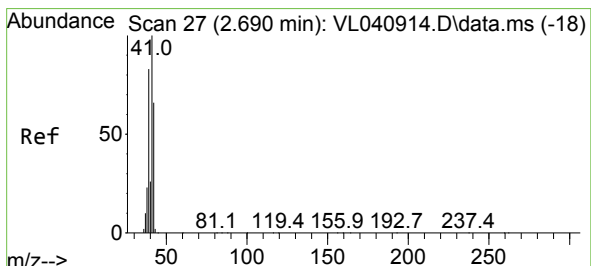
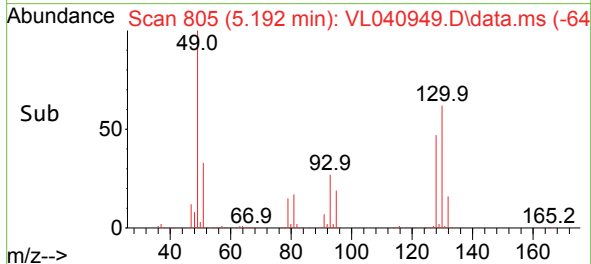
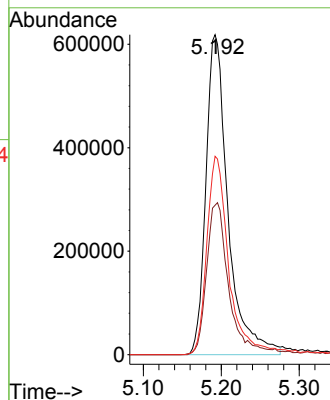
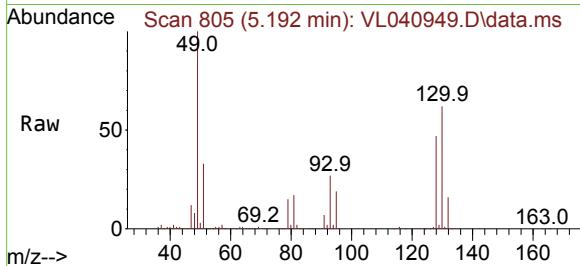




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040949.D
Acq: 22 Dec 2023 3:20

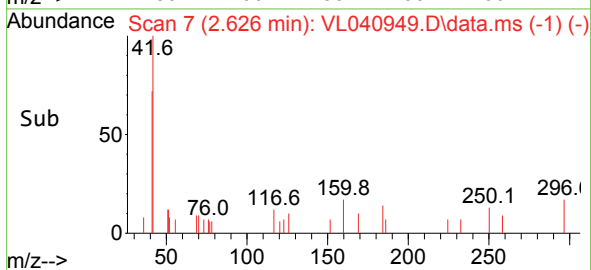
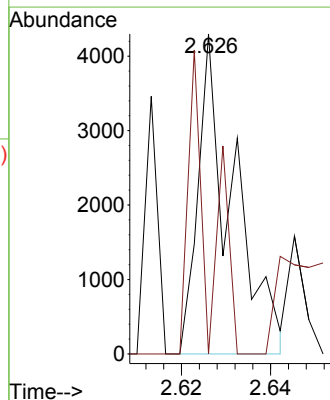
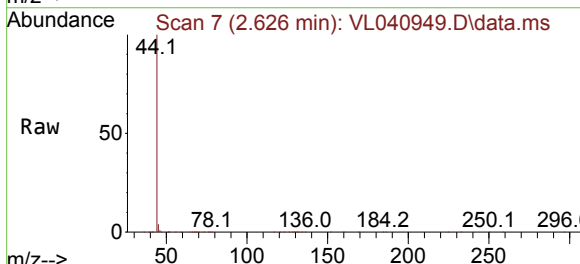
Instrument :
MSVOA_L
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SV5DL

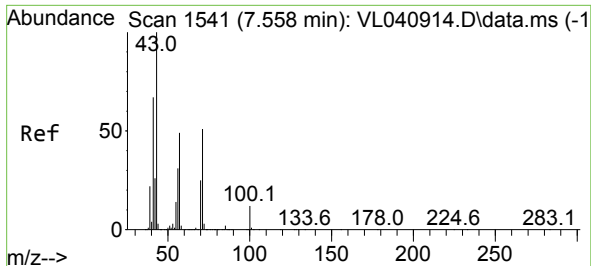
Tgt Ion: 49 Resp: 1217972
Ion Ratio Lower Upper
49 100
128 49.4 23.8 71.2
130 63.7 30.1 90.5



#9
Propene
Concen: 0.038 ppbv
RT: 2.626 min Scan# 7
Delta R.T. -0.064 min
Lab File: VL040949.D
Acq: 22 Dec 2023 3:20

Tgt Ion: 41 Resp: 2327
Ion Ratio Lower Upper
41 100
42 59.5 55.8 83.6

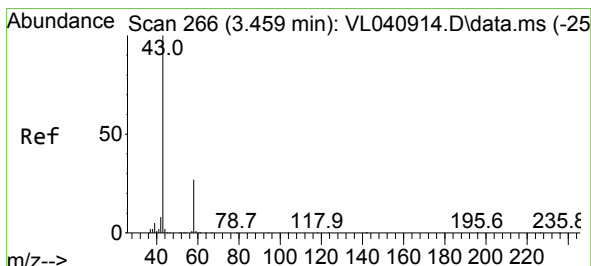
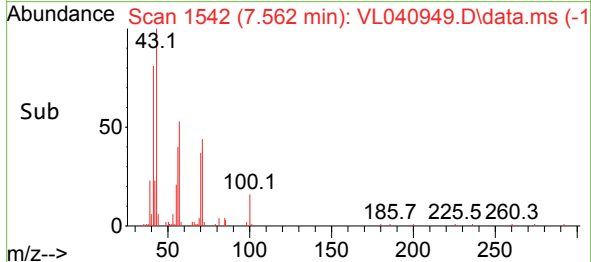
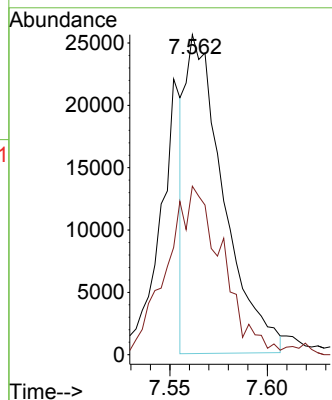
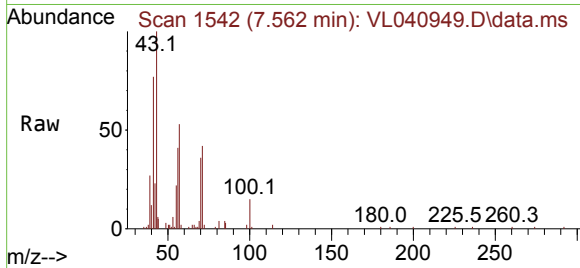




#10
 Heptane
 Concen: 0.231 ppbv
 RT: 7.562 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL040949.D
 Acq: 22 Dec 2023 3:20

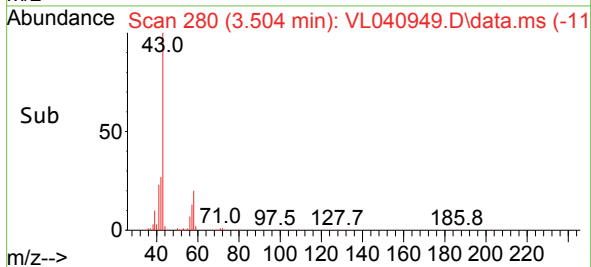
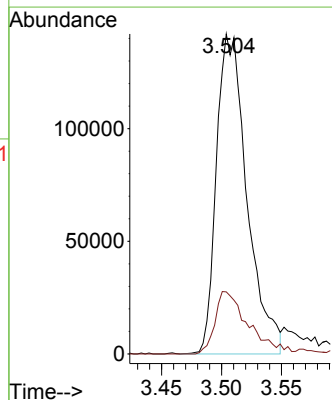
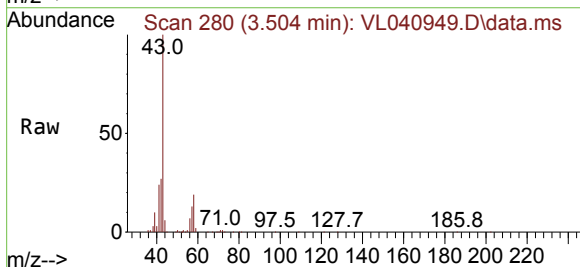
Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL

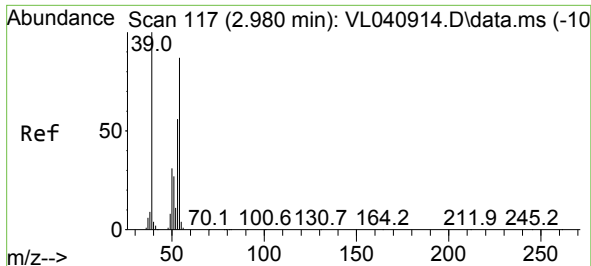
Tgt Ion: 43 Resp: 34799
 Ion Ratio Lower Upper
 43 100
 57 80.9 39.3 58.9#



#15
 Acetone
 Concen: 1.719 ppbv
 RT: 3.504 min Scan# 280
 Delta R.T. 0.045 min
 Lab File: VL040949.D
 Acq: 22 Dec 2023 3:20

Tgt Ion: 43 Resp: 251138
 Ion Ratio Lower Upper
 43 100
 58 22.5 20.6 30.8

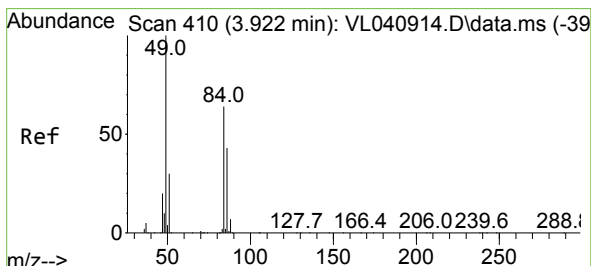
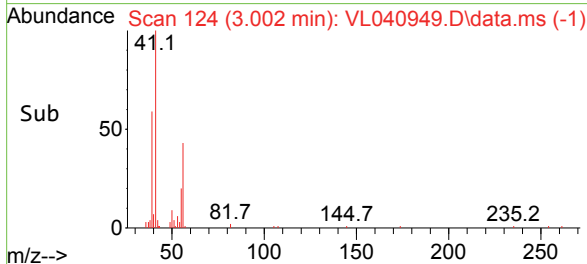
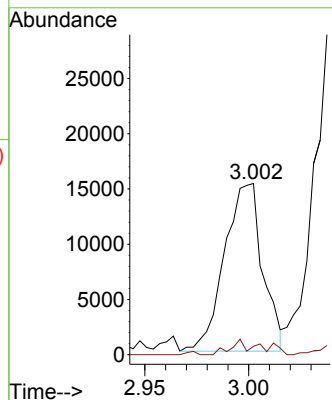
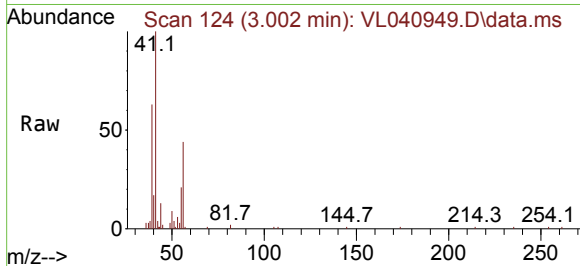




#16
1,3-Butadiene
Concen: 0.309 ppbv
RT: 3.002 min Scan# 117
Delta R.T. 0.023 min
Lab File: VL040949.D
Acq: 22 Dec 2023 3:20

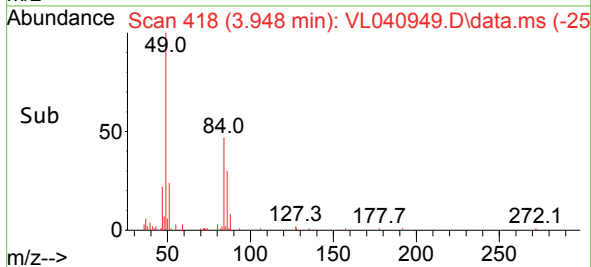
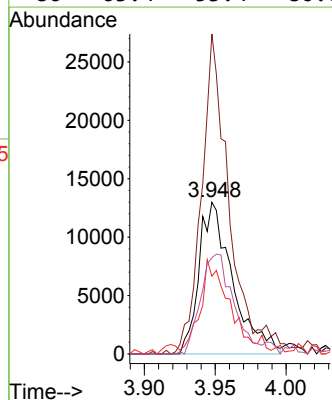
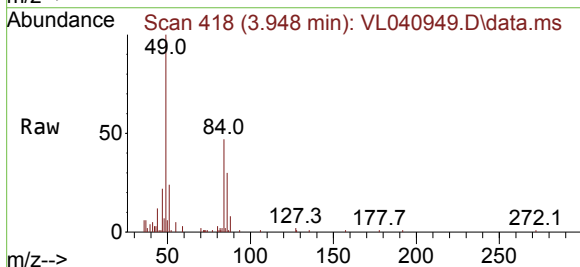
Instrument :
MSVOA_L
ClientSampleId :
SV5DL

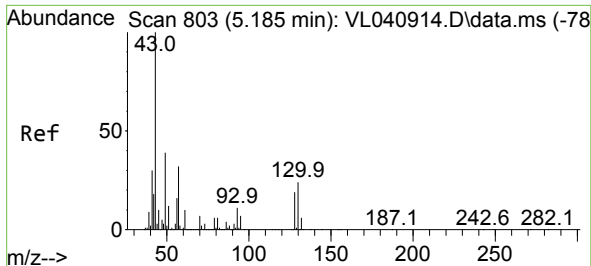
Tgt Ion: 39 Resp: 19425
Ion Ratio Lower Upper
39 100
54 7.4 63.8 95.6#



#20
Methylene Chloride
Concen: 0.410 ppbv
RT: 3.948 min Scan# 418
Delta R.T. 0.026 min
Lab File: VL040949.D
Acq: 22 Dec 2023 3:20

Tgt Ion: 84 Resp: 21349
Ion Ratio Lower Upper
84 100
49 204.6 124.6 187.0#
51 48.7 37.2 55.8
86 63.4 53.4 80.0





#25

Ethyl Acetate

Concen: 0.343 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.026 min

Lab File: VL040949.D

Acq: 22 Dec 2023 3:20

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

Tgt Ion: 43 Resp: 86709

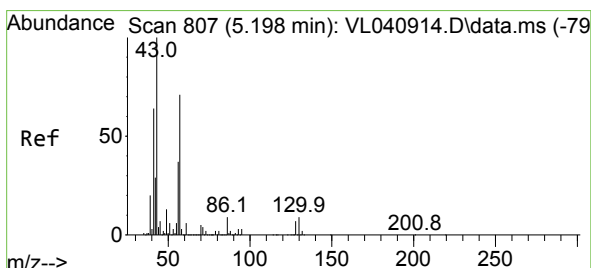
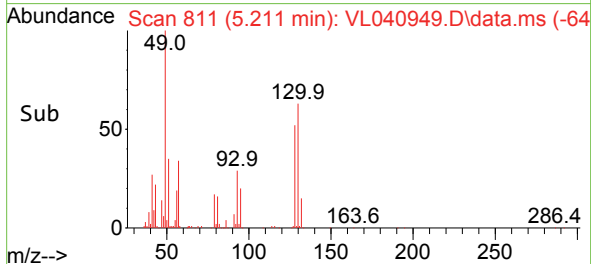
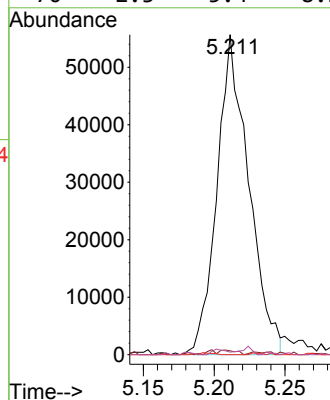
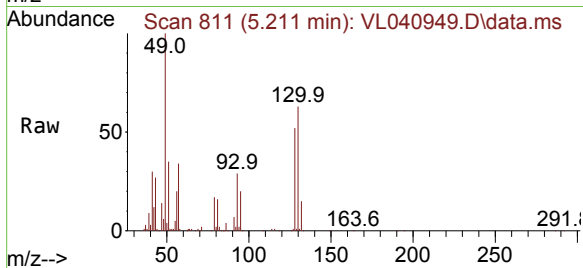
Ion Ratio Lower Upper

43 100

45 0.8 8.2 12.2#

61 0.2 7.6 11.4#

70 2.3 5.4 8.2#



#26

Hexane

Concen: 1.097 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.013 min

Lab File: VL040949.D

Acq: 22 Dec 2023 3:20

Tgt Ion: 57 Resp: 123047

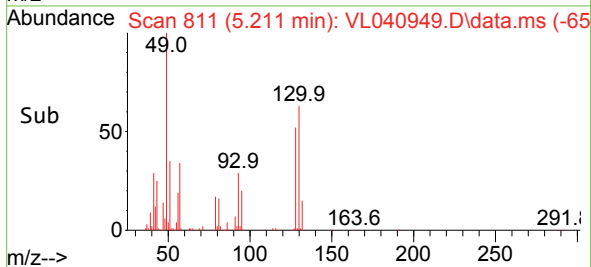
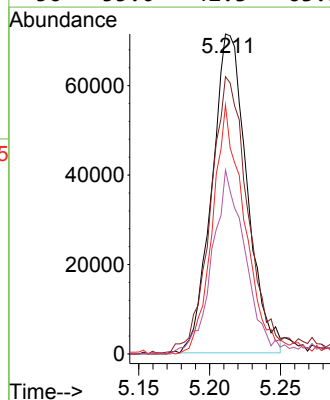
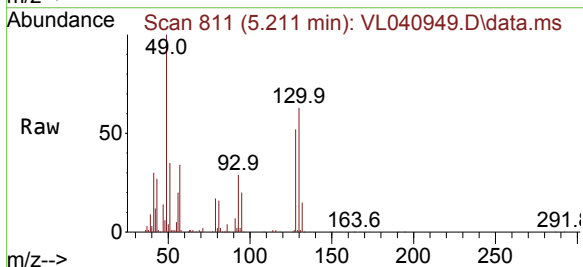
Ion Ratio Lower Upper

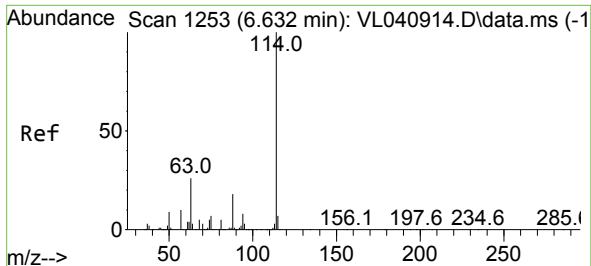
57 100

41 96.6 75.2 112.8

43 73.8 188.0 282.0#

56 55.0 42.3 63.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL040949.D

Acq: 22 Dec 2023 3:20

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

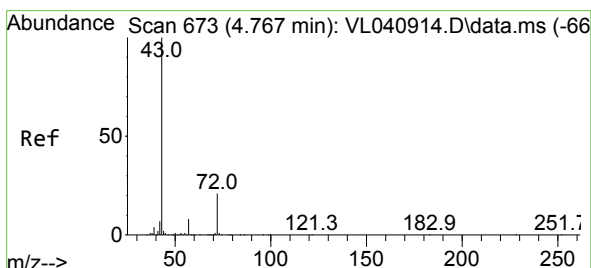
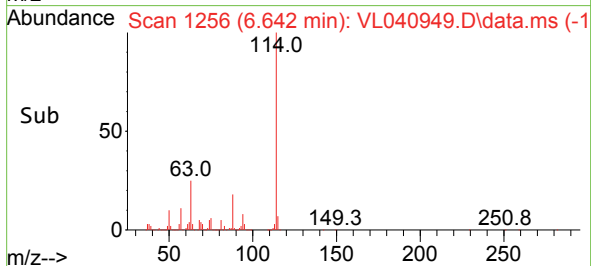
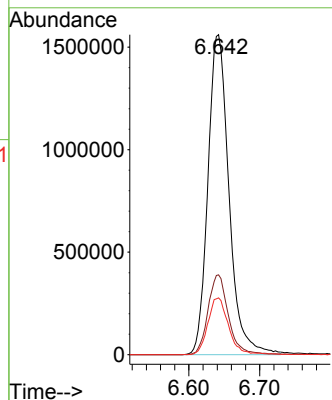
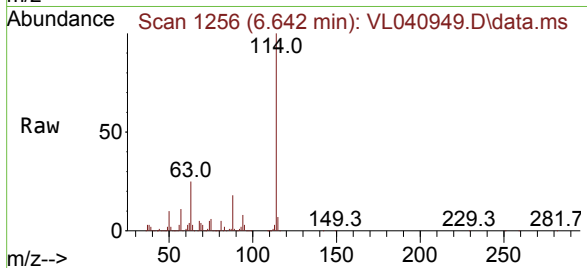
Tgt Ion:114 Resp: 3223561

Ion Ratio Lower Upper

114 100

63 24.4 21.0 31.6

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 0.644 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.042 min

Lab File: VL040949.D

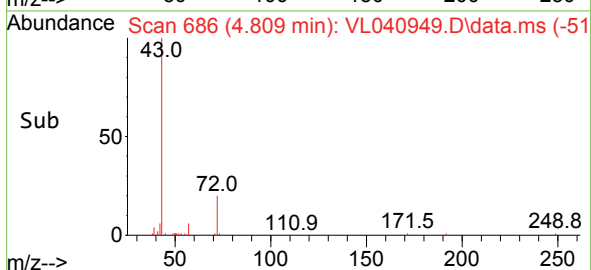
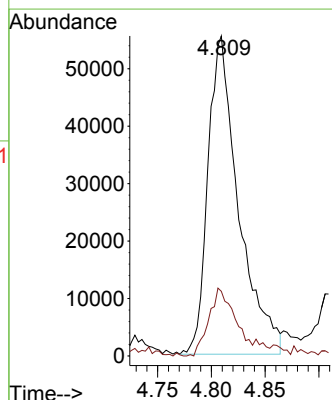
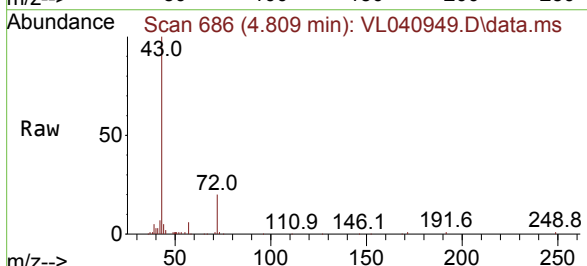
Acq: 22 Dec 2023 3:20

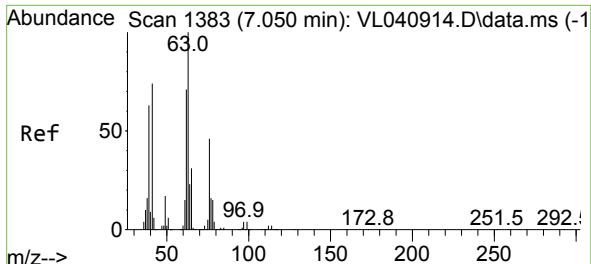
Tgt Ion: 43 Resp: 109843

Ion Ratio Lower Upper

43 100

72 22.6 17.2 25.8





#39

1,2-Dichloropropane

Concen: 7.832 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.408 min

Lab File: VL040949.D

Acq: 22 Dec 2023 3:20

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

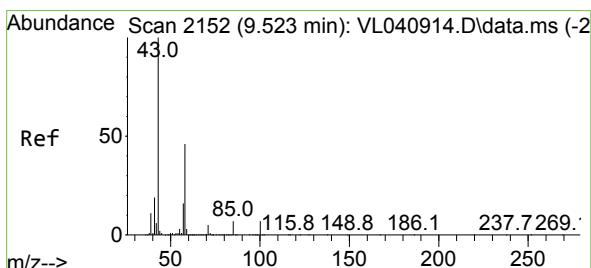
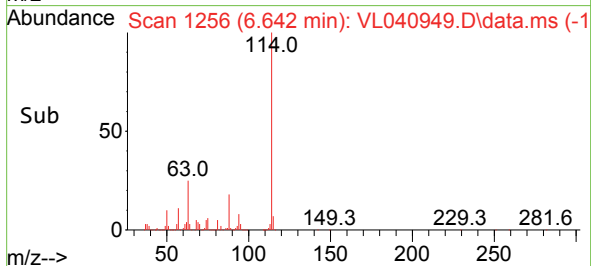
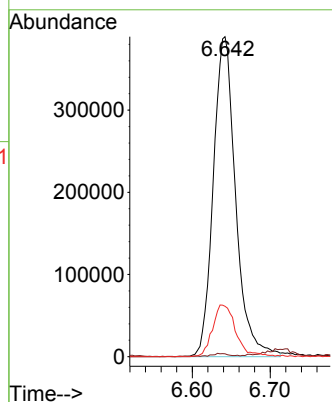
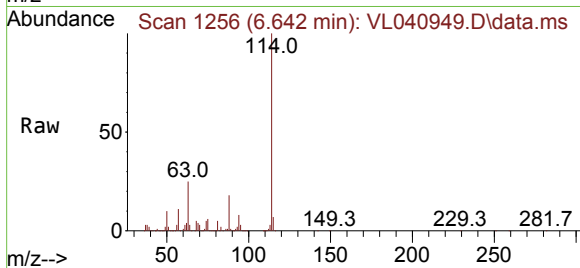
Tgt Ion: 63 Resp: 775561

Ion Ratio Lower Upper

63 100

41 0.7 59.0 88.6#

62 15.7 56.6 85.0#



#51

2-Hexanone

Concen: 0.046 ppbv

RT: 9.545 min Scan# 2159

Delta R.T. 0.023 min

Lab File: VL040949.D

Acq: 22 Dec 2023 3:20

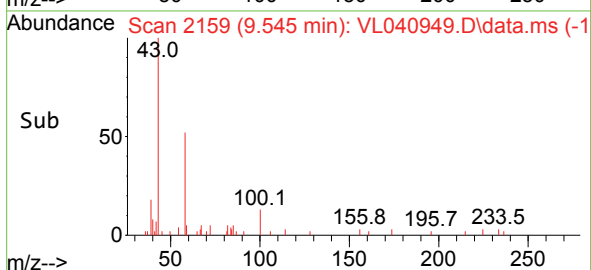
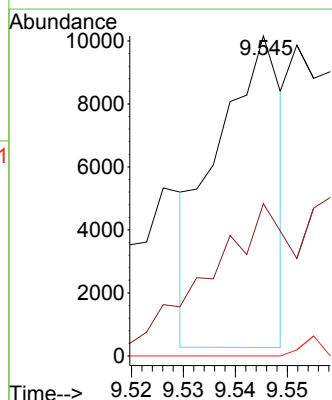
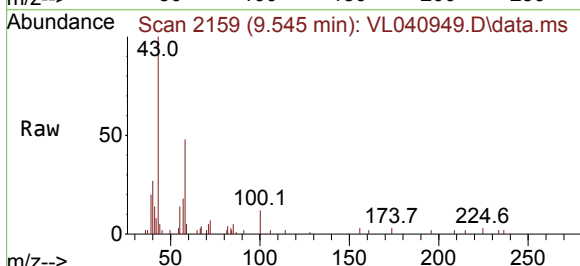
Tgt Ion: 43 Resp: 8616

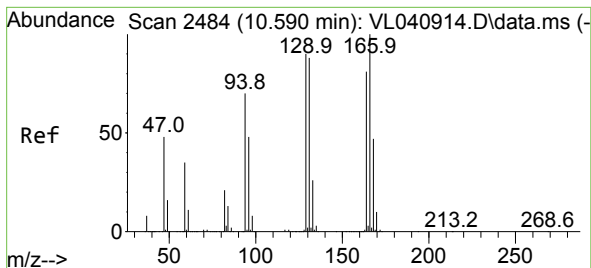
Ion Ratio Lower Upper

43 100

58 0.0 37.3 55.9#

98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.413 ppbv

RT: 10.587 min Scan# 2483

Delta R.T. -0.003 min

Lab File: VL040949.D

Acq: 22 Dec 2023 3:20

Instrument :

MSVOA_L

ClientSampleId :

SV5DL

Tgt Ion:164 Resp: 35092

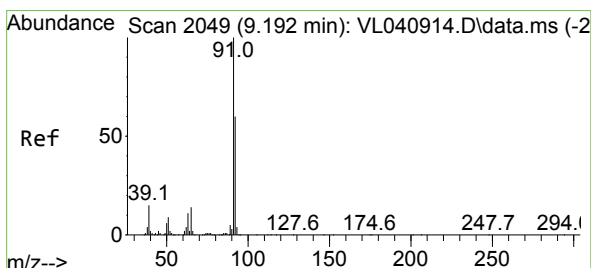
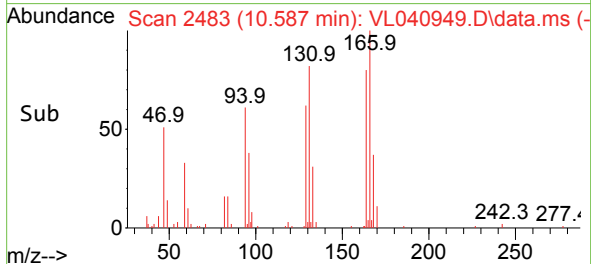
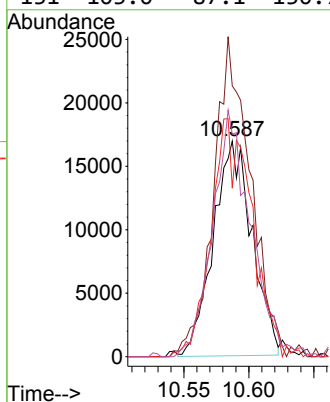
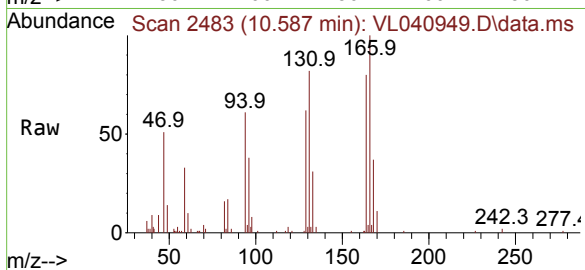
Ion Ratio Lower Upper

164 100

166 124.4 98.9 148.3

129 76.8 88.7 133.1#

131 103.0 87.1 130.7



#53

Toluene

Concen: 0.057 ppbv

RT: 9.198 min Scan# 2051

Delta R.T. 0.007 min

Lab File: VL040949.D

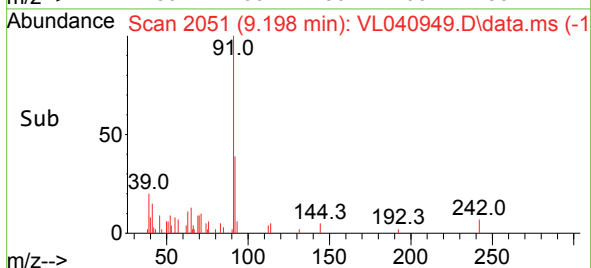
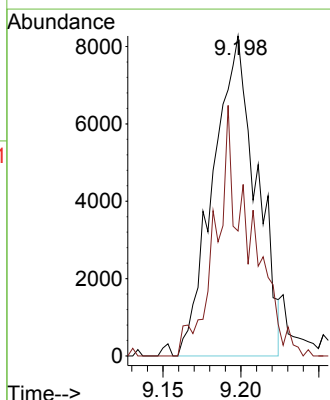
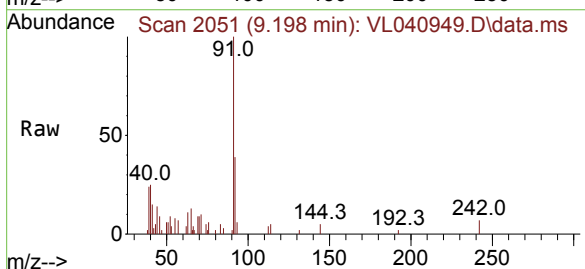
Acq: 22 Dec 2023 3:20

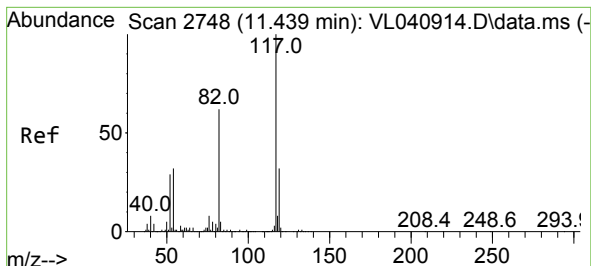
Tgt Ion: 91 Resp: 16002

Ion Ratio Lower Upper

91 100

92 61.1 49.2 73.8

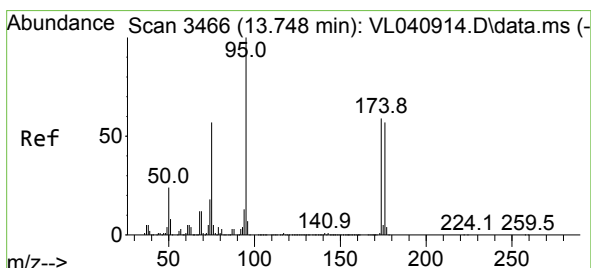
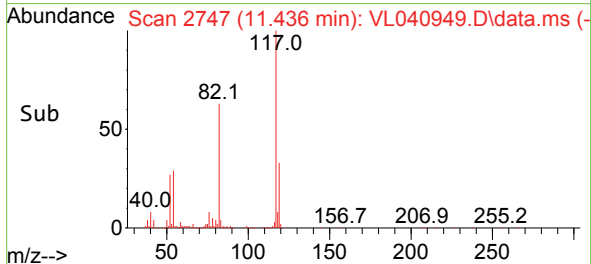
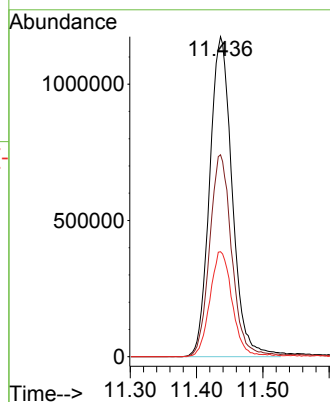
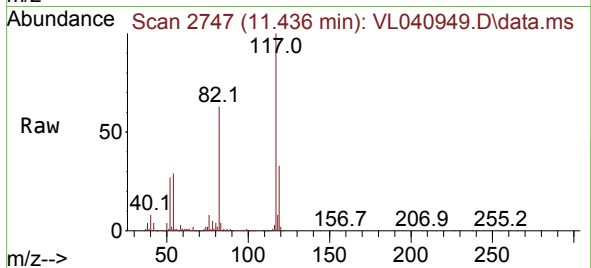




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040949.D
Acq: 22 Dec 2023 3:20

Instrument :
MSVOA_L
ClientSampleId :
SV5DL

Tgt Ion:117 Resp: 2775937
Ion Ratio Lower Upper
117 100
82 63.6 49.6 74.4
119 32.9 23.4 35.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.771 ppbv
RT: 13.741 min Scan# 3464
Delta R.T. -0.006 min
Lab File: VL040949.D
Acq: 22 Dec 2023 3:20

Tgt Ion: 95 Resp: 1997824
Ion Ratio Lower Upper
95 100
174 64.5 48.0 72.0
175 4.8 3.7 5.5

