

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040943.D
 Acq On : 21 Dec 2023 23:34
 Operator : SY/MD
 Sample : 05848-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Quant Time: Dec 22 03:40:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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)

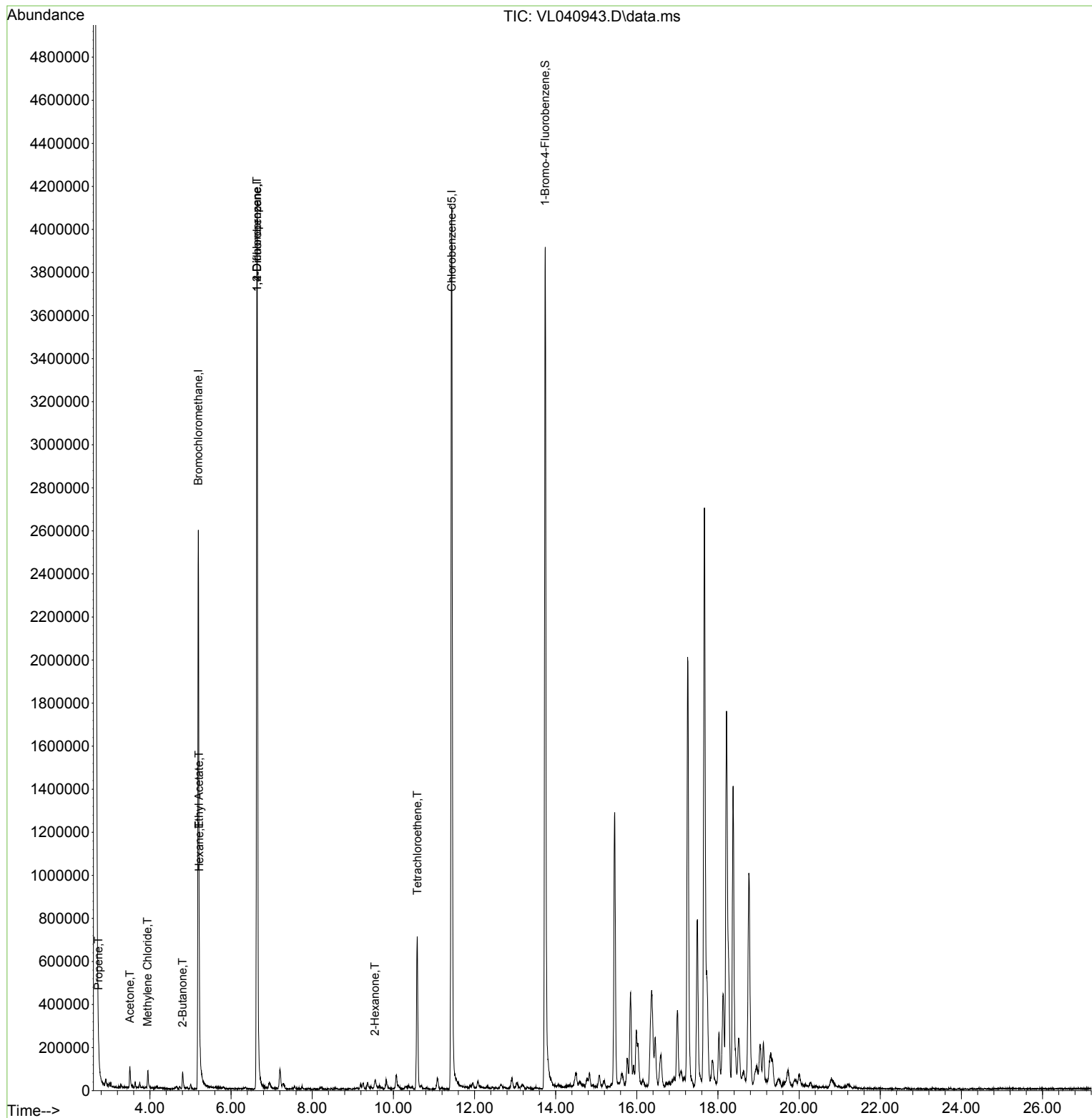
Internal Standards						
1) Bromochloromethane	5.192	49	1219177	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.642	114	3298831	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2862154	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2054293	9.744	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
9) Propene	2.732	41	6323	0.104	ppbv	91
15) Acetone	3.504	43	92000	0.629	ppbv #	82
20) Methylene Chloride	3.944	84	26562	0.510	ppbv	86
25) Ethyl Acetate	5.211	43	39921	0.158	ppbv #	80
26) Hexane	5.214	57	60321	0.537	ppbv #	35
34) 2-Butanone	4.806	43	90175	0.517	ppbv	92
39) 1,2-Dichloropropane	6.638	63	769169	7.590	ppbv #	24
51) 2-Hexanone	9.548	43	22984	0.121	ppbv #	24
52) Tetrachloroethene	10.590	164	172407	1.985	ppbv	95

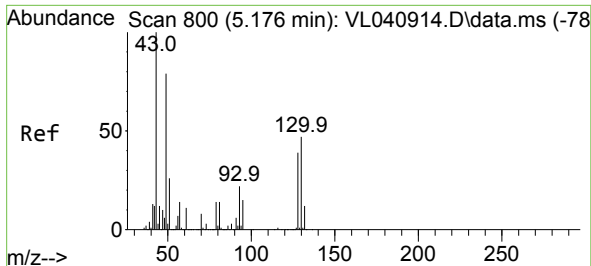
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
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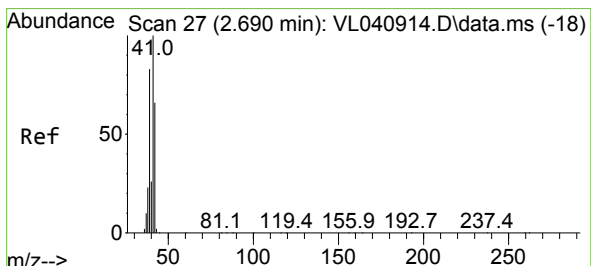
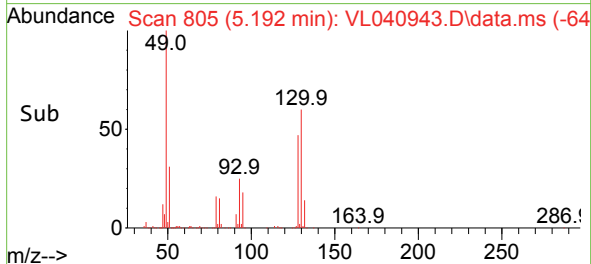
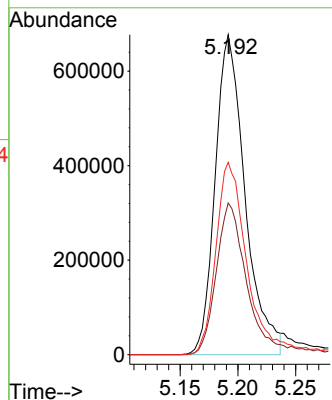
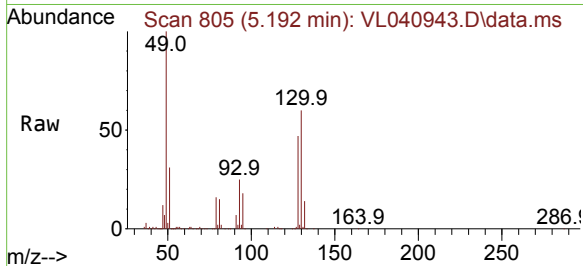




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.016 min
Lab File: VL040943.D
Acq: 21 Dec 2023 23:34

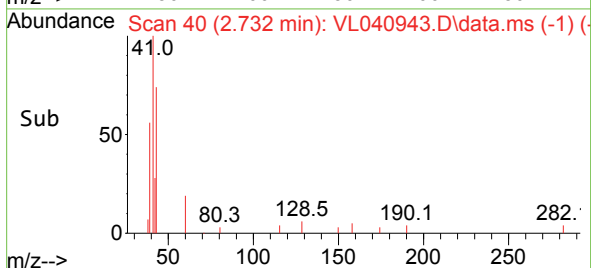
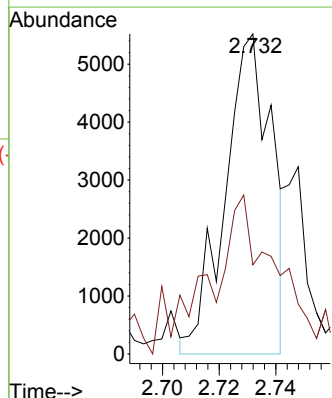
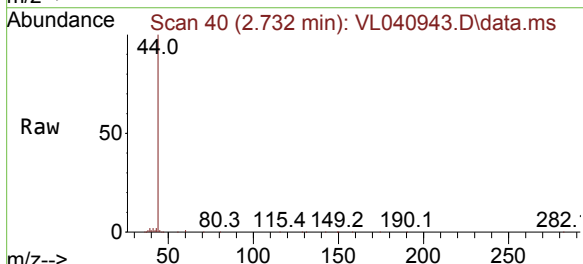
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

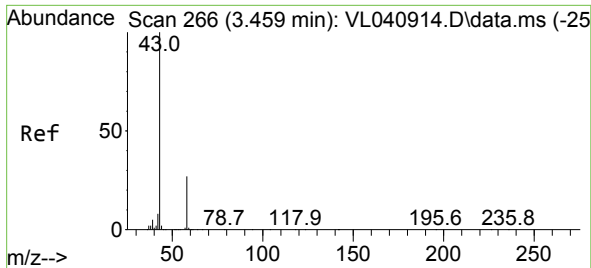
Tgt Ion: 49 Resp: 1219177
Ion Ratio Lower Upper
49 100
128 50.8 23.8 71.2
130 65.9 30.1 90.5



#9
Propene
Concen: 0.104 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.042 min
Lab File: VL040943.D
Acq: 21 Dec 2023 23:34

Tgt Ion: 41 Resp: 6323
Ion Ratio Lower Upper
41 100
42 76.7 55.8 83.6





#15

Acetone

Concen: 0.629 ppbv

RT: 3.504 min Scan# 21

Delta R.T. 0.045 min

Lab File: VL040943.D

Acq: 21 Dec 2023 23:34

Instrument :

MSVOA_L

ClientSampleId :

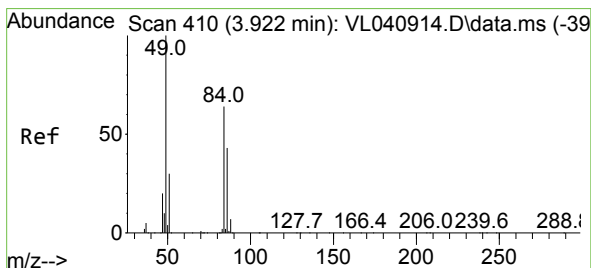
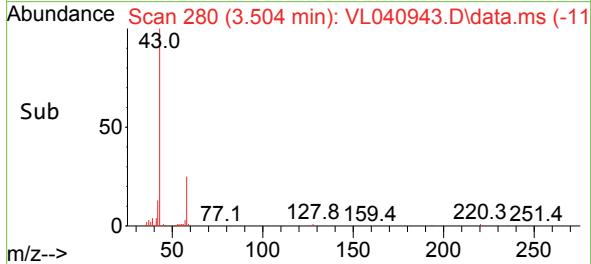
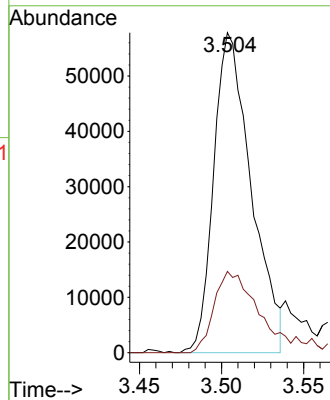
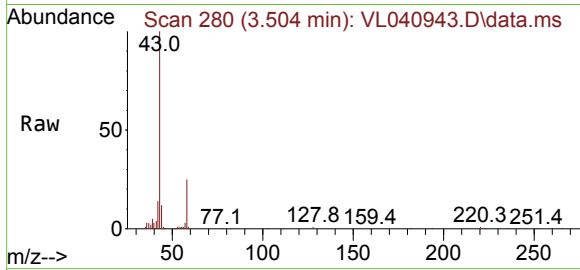
SV3DL

Tgt Ion: 43 Resp: 92000

Ion Ratio Lower Upper

43 100

58 34.7 20.6 30.8#



#20

Methylene Chloride

Concen: 0.510 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.022 min

Lab File: VL040943.D

Acq: 21 Dec 2023 23:34

Tgt Ion: 84 Resp: 26562

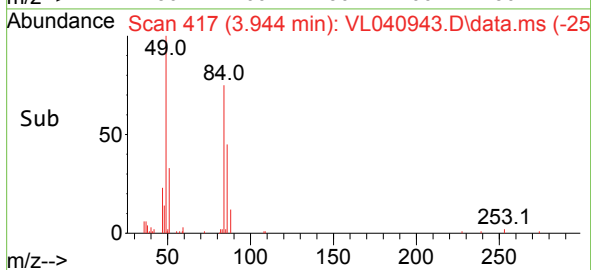
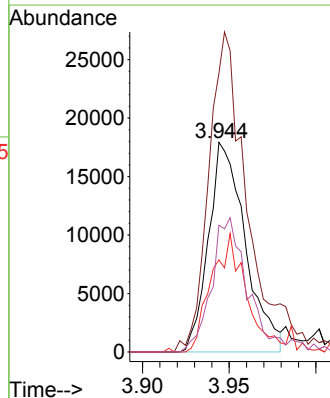
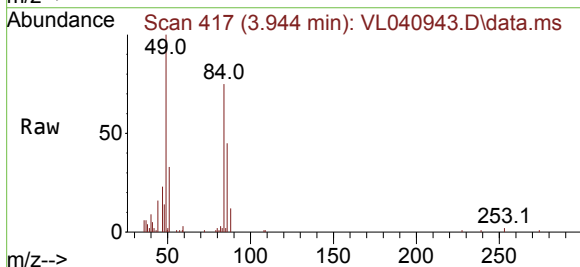
Ion Ratio Lower Upper

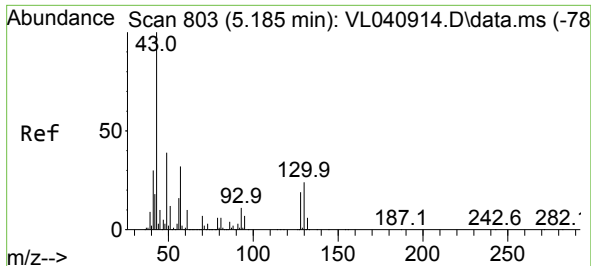
84 100

49 129.4 124.6 187.0

51 44.0 37.2 55.8

86 60.5 53.4 80.0





#25

Ethyl Acetate

Concen: 0.158 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.026 min

Lab File: VL040943.D

Acq: 21 Dec 2023 23:34

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

Tgt Ion: 43 Resp: 39921

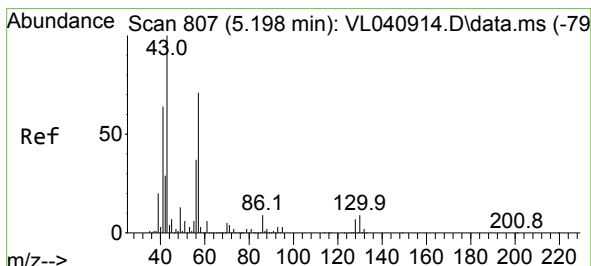
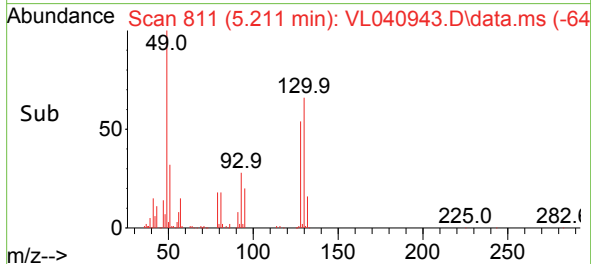
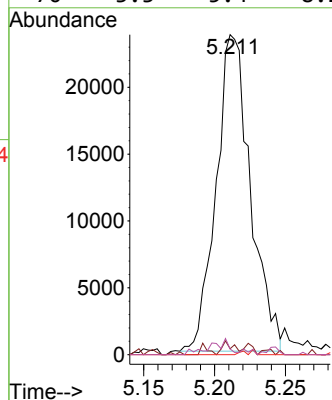
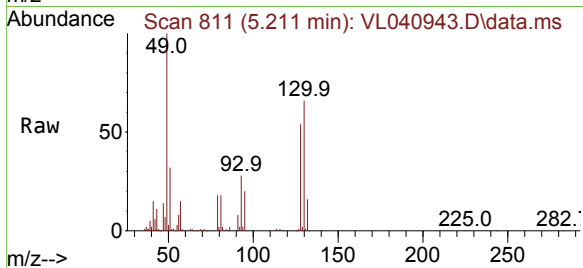
Ion Ratio Lower Upper

43 100

45 2.4 8.2 12.2#

61 0.0 7.6 11.4#

70 3.3 5.4 8.2#



#26

Hexane

Concen: 0.537 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.016 min

Lab File: VL040943.D

Acq: 21 Dec 2023 23:34

Tgt Ion: 57 Resp: 60321

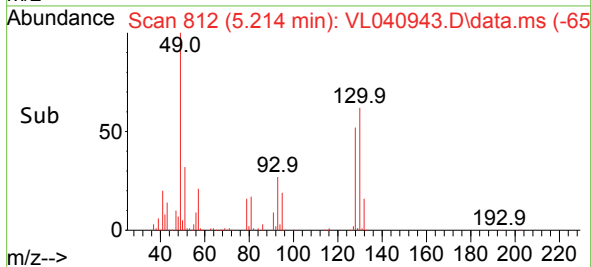
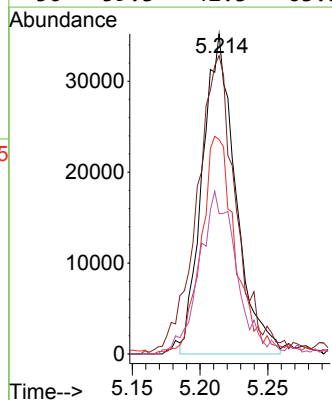
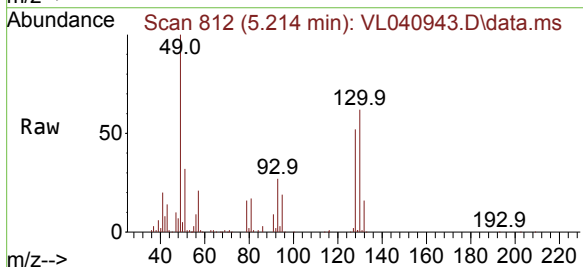
Ion Ratio Lower Upper

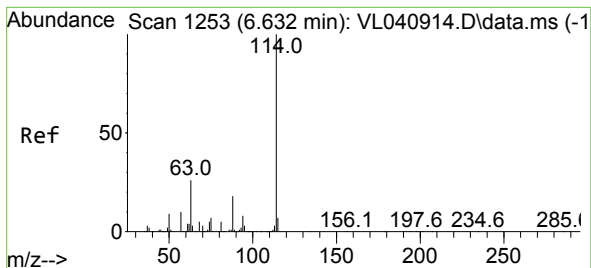
57 100

41 113.0 75.2 112.8#

43 74.1 188.0 282.0#

56 59.3 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: VL040943.D

Acq: 21 Dec 2023 23:34

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

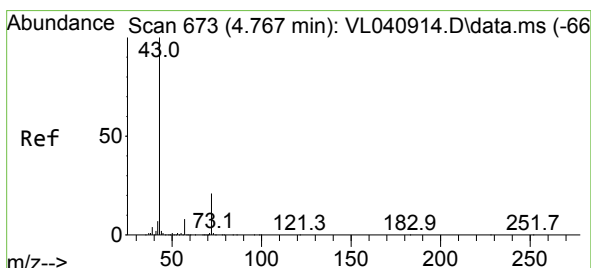
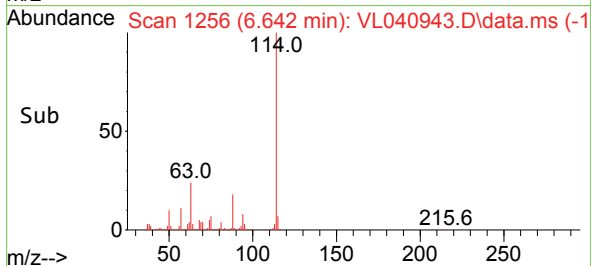
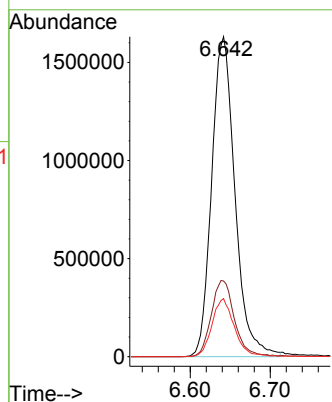
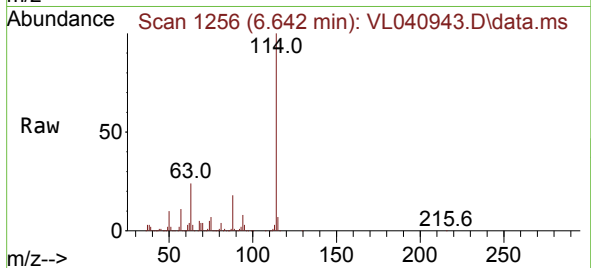
Tgt Ion:114 Resp: 3298831

Ion Ratio Lower Upper

114 100

63 24.1 21.0 31.6

88 17.6 14.3 21.5



#34

2-Butanone

Concen: 0.517 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.038 min

Lab File: VL040943.D

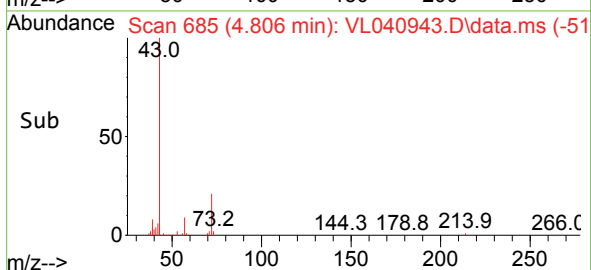
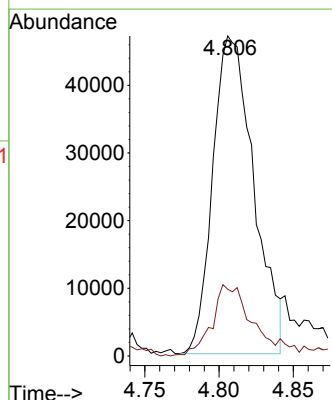
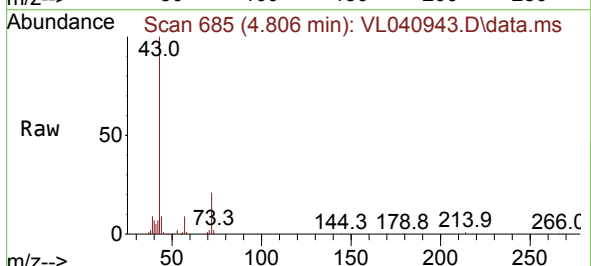
Acq: 21 Dec 2023 23:34

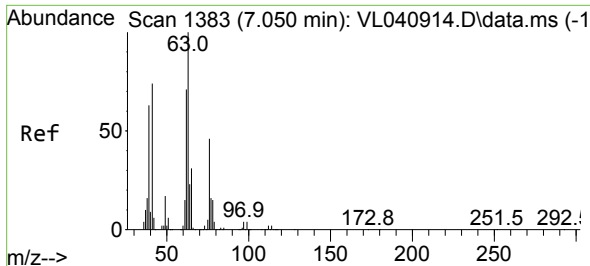
Tgt Ion: 43 Resp: 90175

Ion Ratio Lower Upper

43 100

72 25.3 17.2 25.8





#39

1,2-Dichloropropane

Concen: 7.590 ppbv

RT: 6.638 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL040943.D

Acq: 21 Dec 2023 23:34

Instrument :

MSVOA_L

ClientSampleId :

SV3DL

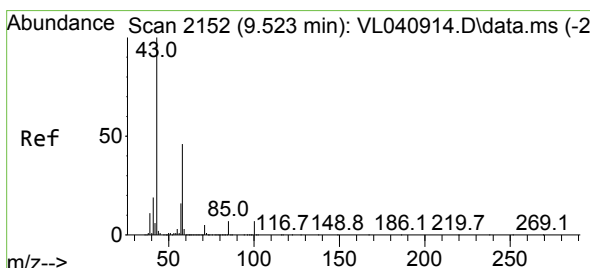
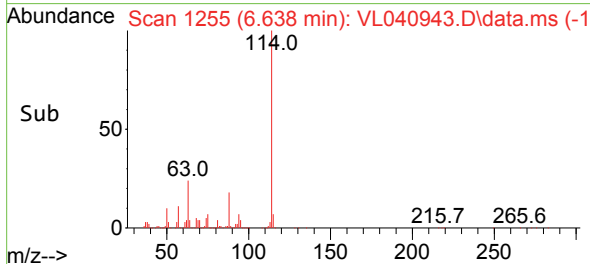
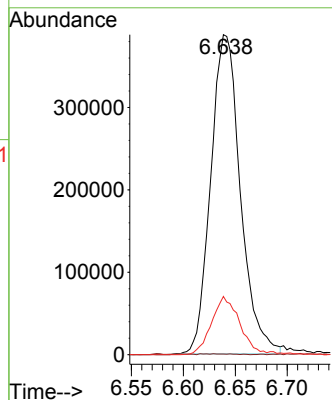
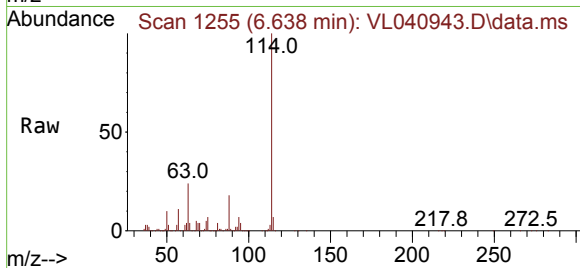
Tgt Ion: 63 Resp: 769169

Ion Ratio Lower Upper

63 100

41 0.0 59.0 88.6#

62 18.2 56.6 85.0#



#51

2-Hexanone

Concen: 0.121 ppbv

RT: 9.548 min Scan# 2160

Delta R.T. 0.026 min

Lab File: VL040943.D

Acq: 21 Dec 2023 23:34

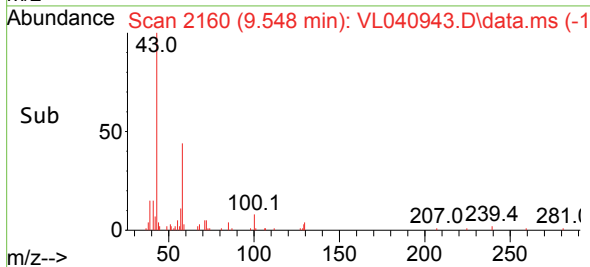
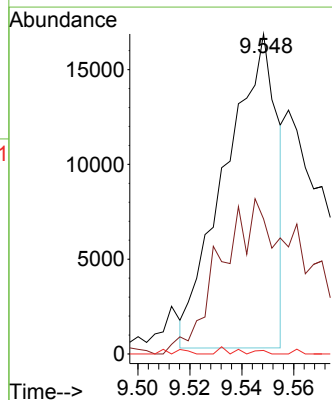
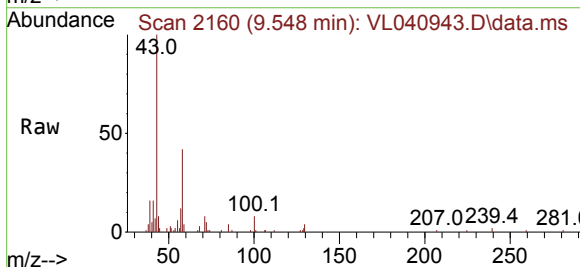
Tgt Ion: 43 Resp: 22984

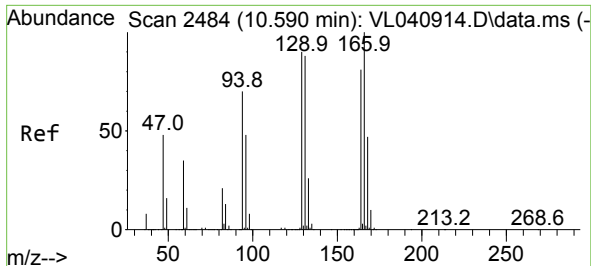
Ion Ratio Lower Upper

43 100

58 97.2 37.3 55.9#

98 0.8 0.2 0.2#

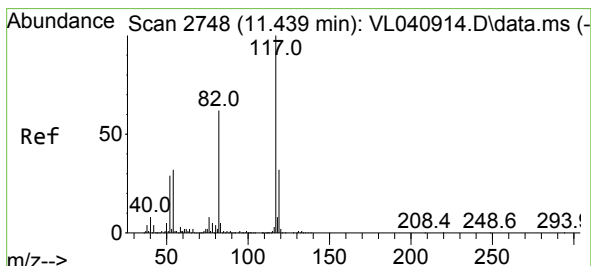
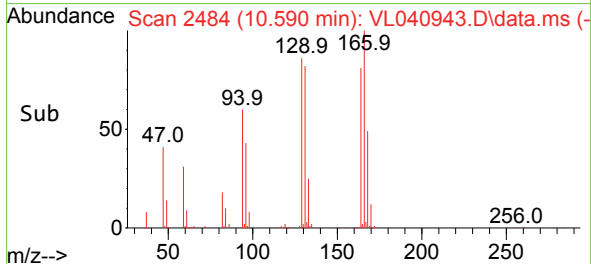
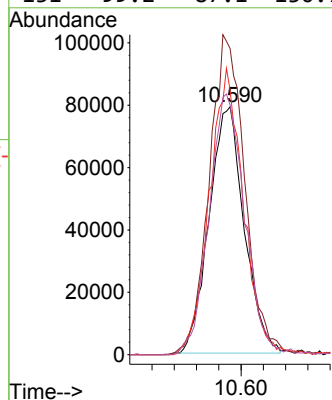
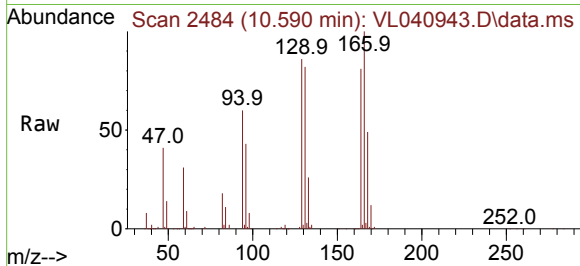




#52
Tetrachloroethene
Concen: 1.985 ppbv
RT: 10.590 min Scan# 2484
Delta R.T. -0.000 min
Lab File: VL040943.D
Acq: 21 Dec 2023 23:34

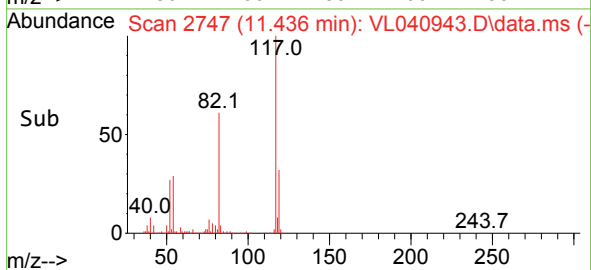
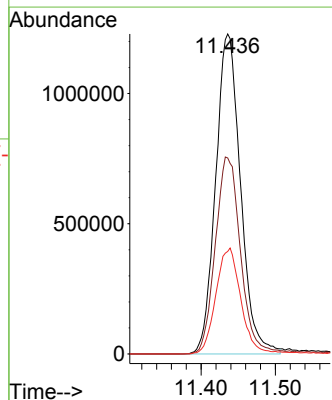
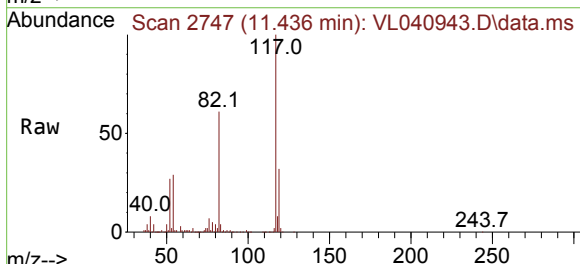
Instrument :
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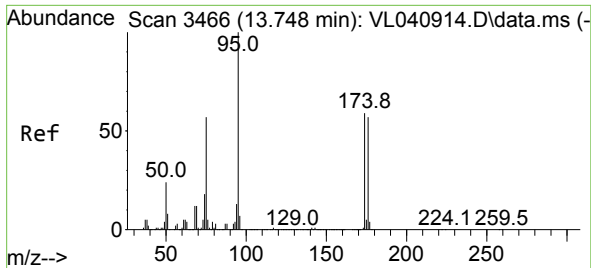
Tgt Ion:164 Resp: 172407
Ion Ratio Lower Upper
164 100
166 121.6 98.9 148.3
129 105.3 88.7 133.1
131 99.2 87.1 130.7



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.003 min
Lab File: VL040943.D
Acq: 21 Dec 2023 23:34

Tgt Ion:117 Resp: 2862154
Ion Ratio Lower Upper
117 100
82 63.5 49.6 74.4
119 33.4 23.4 35.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.744 ppbv
 RT: 13.741 min Scan# 34
 Delta R.T. -0.007 min
 Lab File: VL040943.D
 Acq: 21 Dec 2023 23:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Tgt Ion: 95 Resp: 2054293
 Ion Ratio Lower Upper
 95 100
 174 65.7 48.0 72.0
 175 5.0 3.7 5.5

