

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041514.D
 Acq On : 8 Aug 2024 15:48
 Operator : SY/MD
 Sample : P3496-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-OMDL

Quant Time: Aug 09 05:56:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

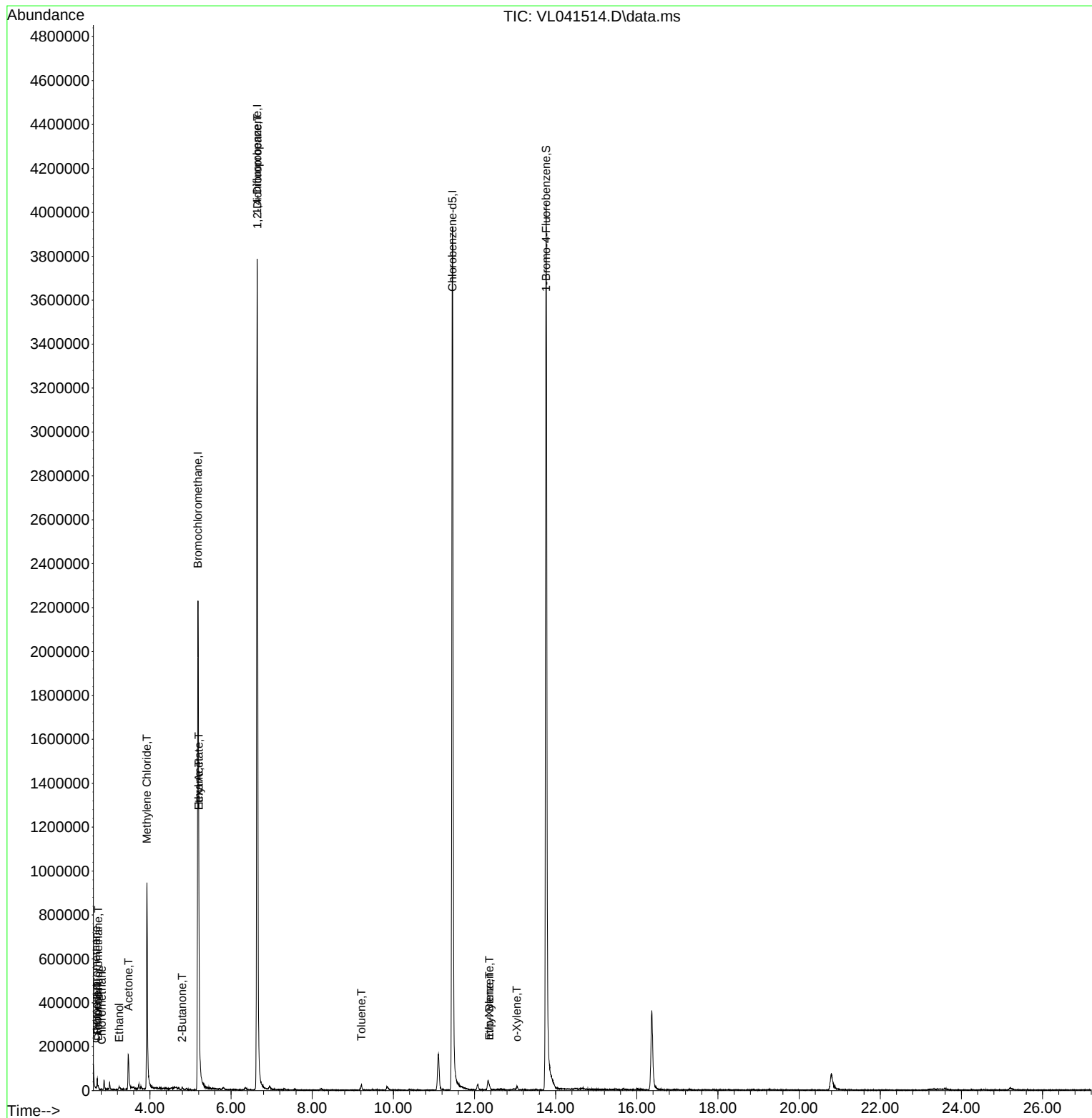
Internal Standards						
1) Bromochloromethane	5.182	49	1063726	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2877186	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2632274	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2012628	9.935	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	9153	0.050	ppbv	93
3) Chlorodifluoromethane	2.674	51	9458	0.075	ppbv #	91
4) Chloromethane	2.813	50	2667	0.040	ppbv #	57
9) Propene	2.700	41	11019	0.189	ppbv	86
13) Ethanol	3.240	45	9067	1.744	ppbv #	29
15) Acetone	3.468	43	175851	1.455	ppbv	98
20) Methylene Chloride	3.925	84	310022	6.879	ppbv	97
25) Ethyl Acetate	5.205	43	128230	0.534	ppbv #	77
26) Hexane	5.205	57	180009	1.807	ppbv #	37
34) 2-Butanone	4.793	43	6440	0.046	ppbv	93
39) 1,2-Dichloropropane	6.645	63	707173	8.786	ppbv #	26
53) Toluene	9.211	91	10220	0.044	ppbv #	20
58) Ethyl Benzene	12.362	91	10657	0.035	ppbv	94
59) m/p-Xylene	12.362	91	10657	0.041	ppbv #	31
60) o-Xylene	13.044	91	7892	0.032	ppbv	67

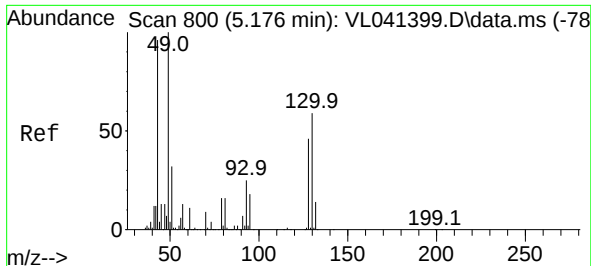
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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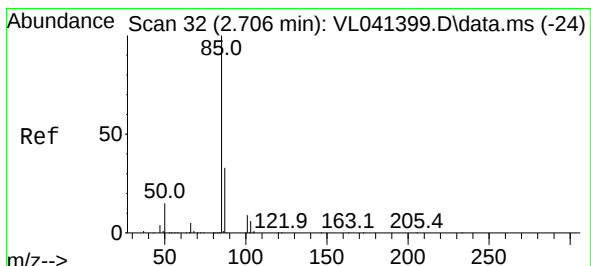
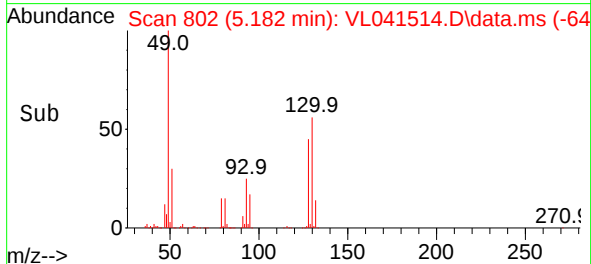
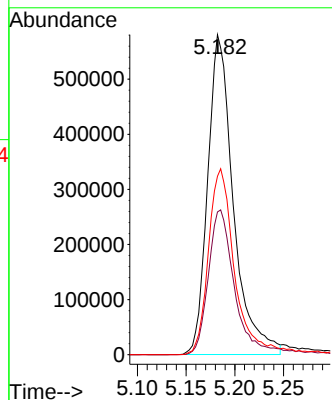
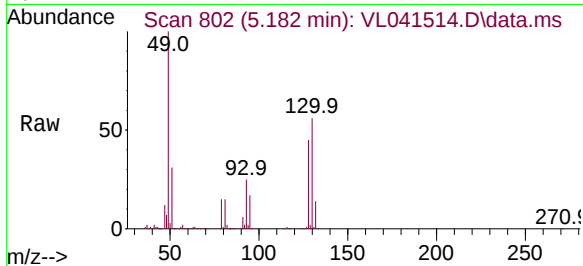




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL041514.D
Acq: 8 Aug 2024 15:48

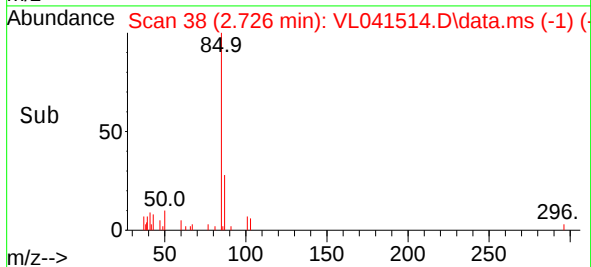
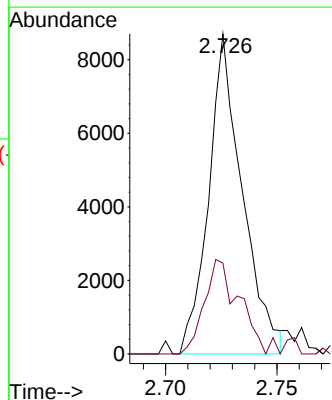
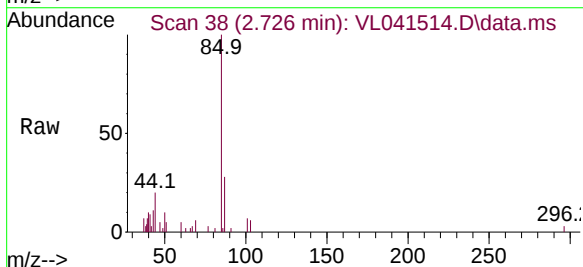
Instrument :
MSVOA_L
ClientSampleId :
B-OMDL

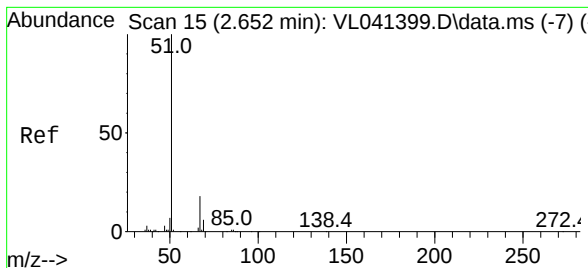
Tgt Ion: 49 Resp: 1063726
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.4
130 61.3 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.006 min
Lab File: VL041514.D
Acq: 8 Aug 2024 15:48

Tgt Ion: 85 Resp: 9153
Ion Ratio Lower Upper
85 100
87 28.4 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.075 ppbv

RT: 2.674 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

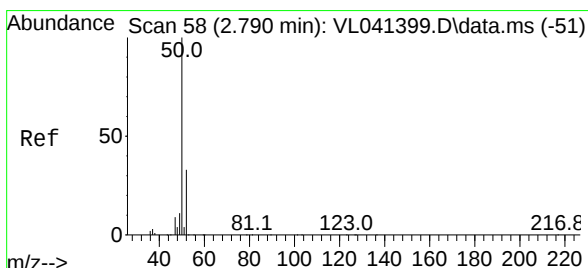
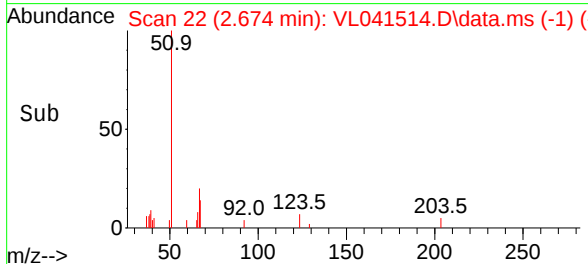
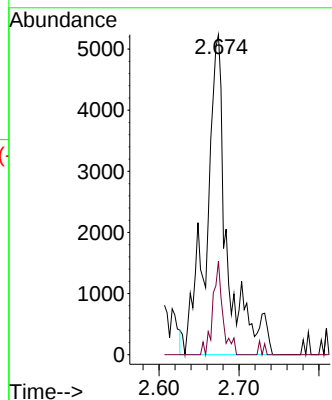
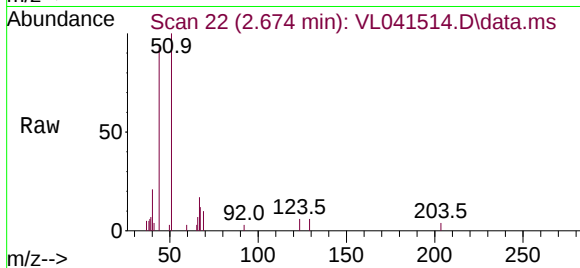
B-OMDL

Tgt Ion: 51 Resp: 9458

Ion Ratio Lower Upper

51 100

67 14.0 14.5 21.7#



#4

Chloromethane

Concen: 0.040 ppbv

RT: 2.813 min Scan# 65

Delta R.T. -0.003 min

Lab File: VL041514.D

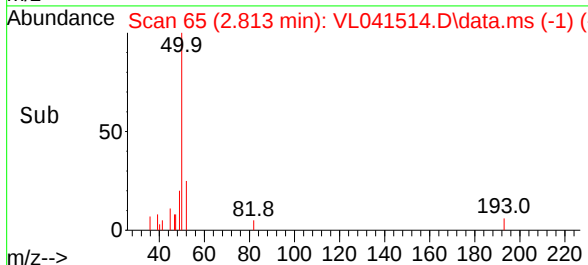
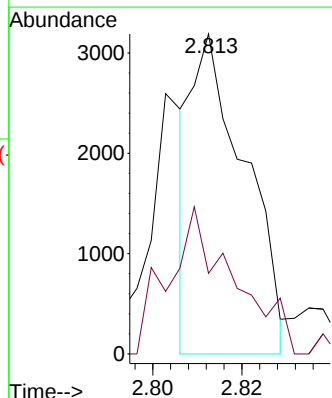
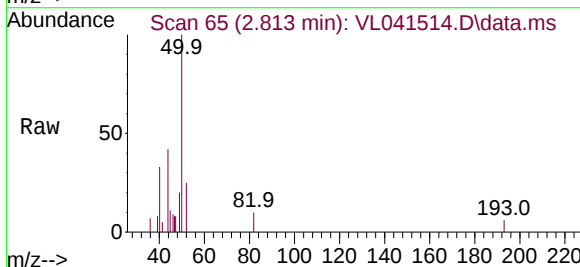
Acq: 8 Aug 2024 15:48

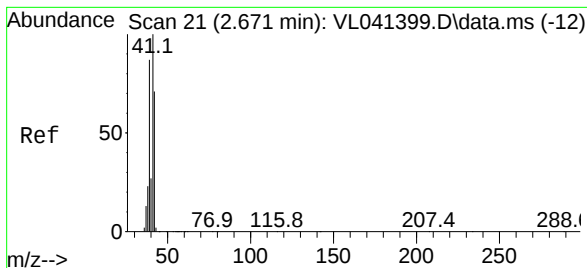
Tgt Ion: 50 Resp: 2667

Ion Ratio Lower Upper

50 100

52 8.7 26.1 39.1#





#9

Propene

Concen: 0.189 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

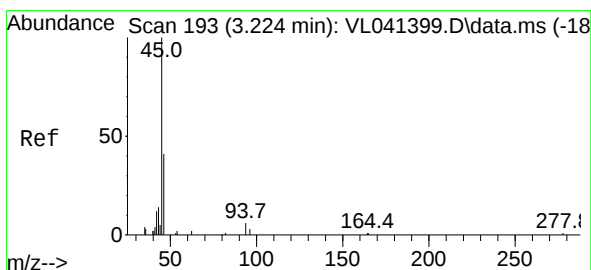
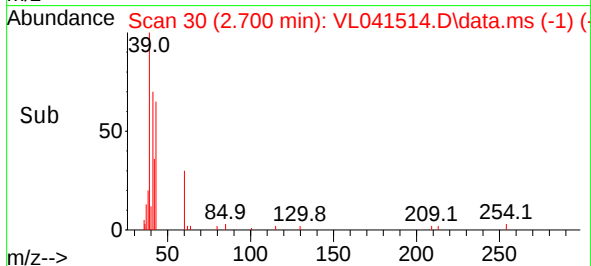
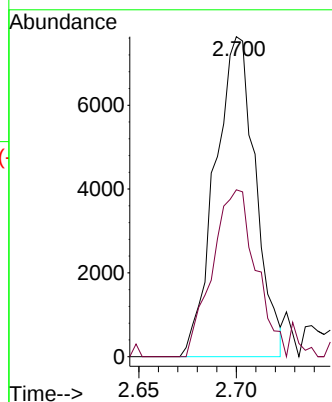
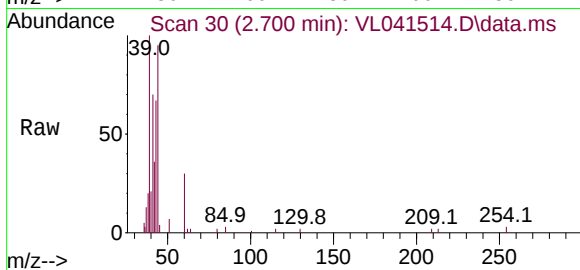
B-OMDL

Tgt Ion: 41 Resp: 11019

Ion Ratio Lower Upper

41 100

42 58.6 55.9 83.9



#13

Ethanol

Concen: 1.744 ppbv

RT: 3.240 min Scan# 198

Delta R.T. -0.003 min

Lab File: VL041514.D

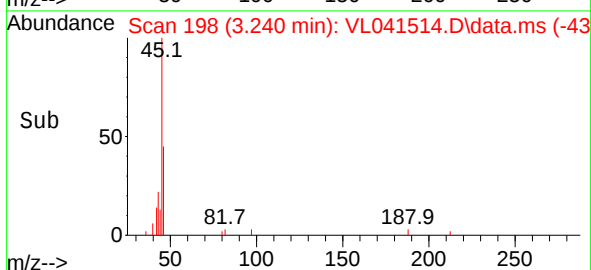
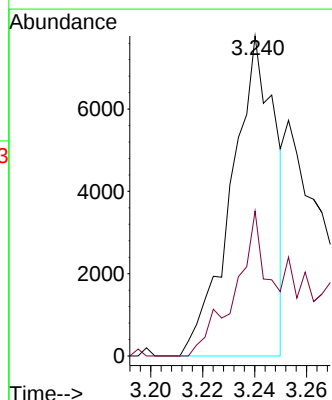
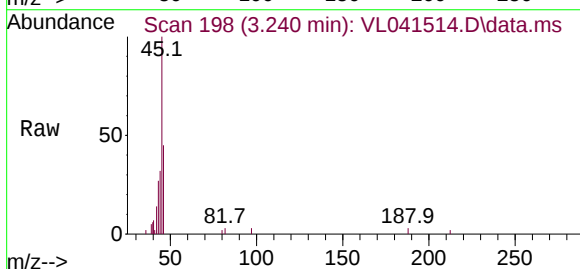
Acq: 8 Aug 2024 15:48

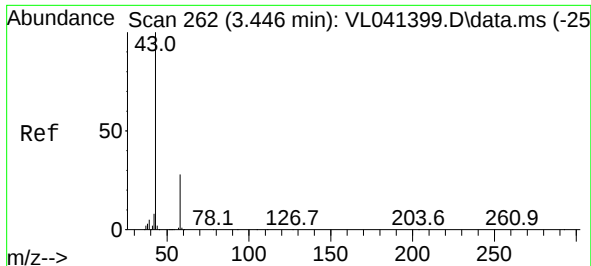
Tgt Ion: 45 Resp: 9067

Ion Ratio Lower Upper

45 100

46 73.8 13.4 53.4#





#15

Acetone

Concen: 1.455 ppbv

RT: 3.468 min Scan# 2

Delta R.T. 0.000 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

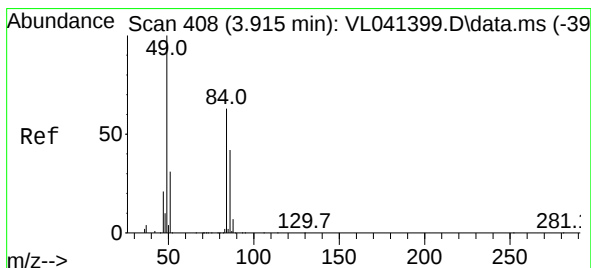
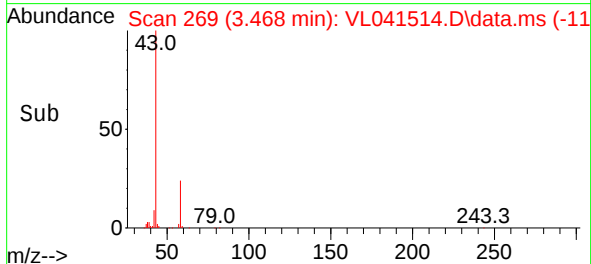
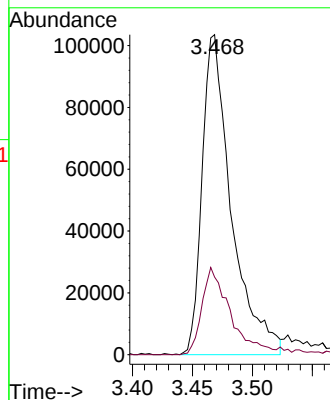
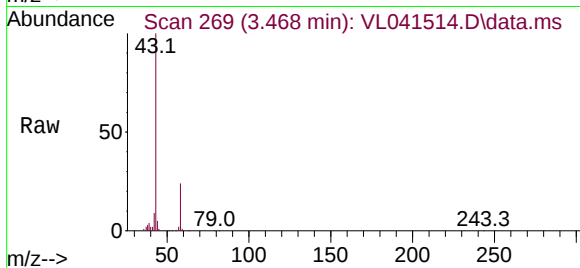
B-OMDL

Tgt Ion: 43 Resp: 175851

Ion Ratio Lower Upper

43 100

58 27.9 21.4 32.2



#20

Methylene Chloride

Concen: 6.879 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.006 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Tgt Ion: 84 Resp: 310022

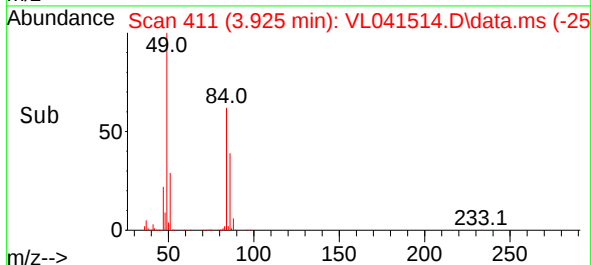
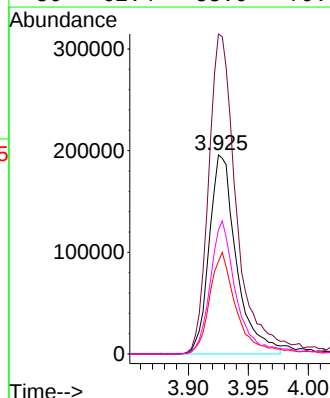
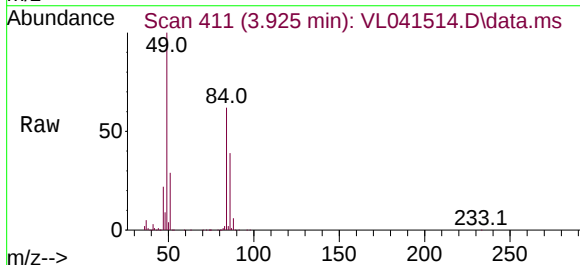
Ion Ratio Lower Upper

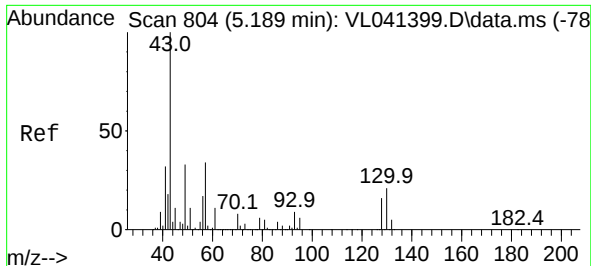
84 100

49 160.6 126.6 190.0

51 46.4 38.6 58.0

86 62.4 53.0 79.4





#25

Ethyl Acetate

Concen: 0.534 ppbv

RT: 5.205 min Scan# 809

Delta R.T. 0.003 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

B-OMDL

Tgt Ion: 43 Resp: 128230

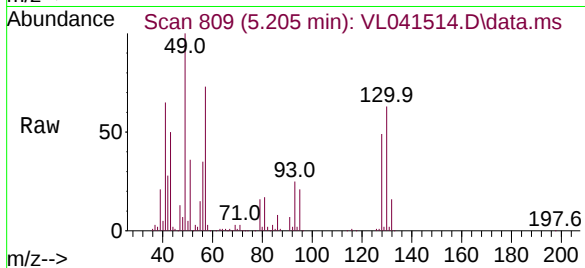
Ion Ratio Lower Upper

43 100

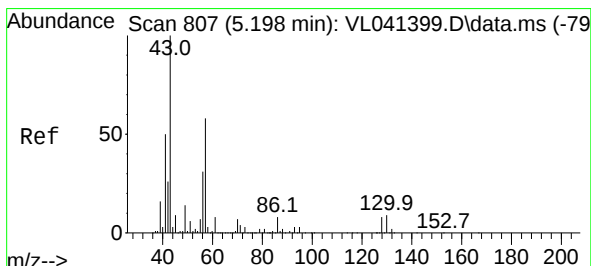
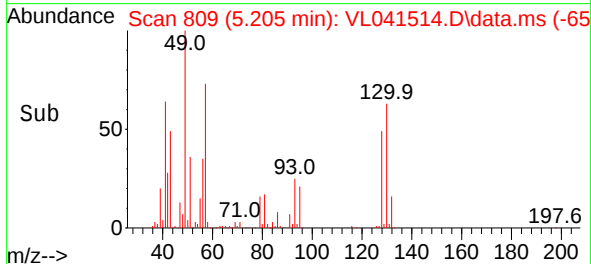
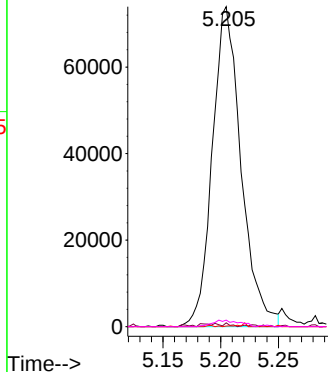
45 1.0 8.5 12.7#

61 0.0 8.0 12.0#

70 2.1 5.9 8.9#



Abundance



#26

Hexane

Concen: 1.807 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.006 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Tgt Ion: 57 Resp: 180009

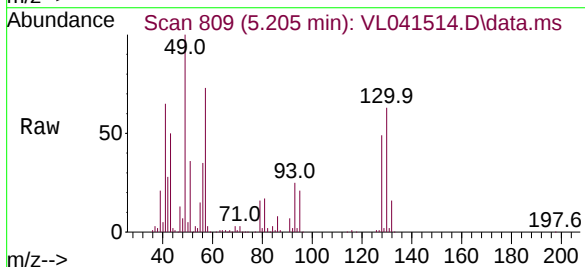
Ion Ratio Lower Upper

57 100

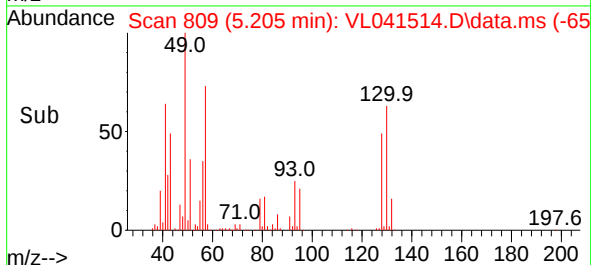
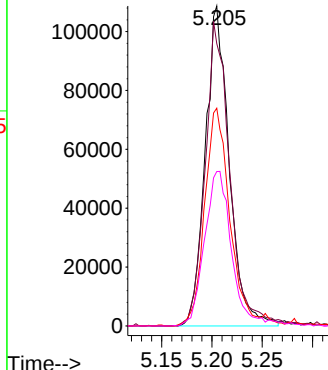
41 99.0 74.0 111.0

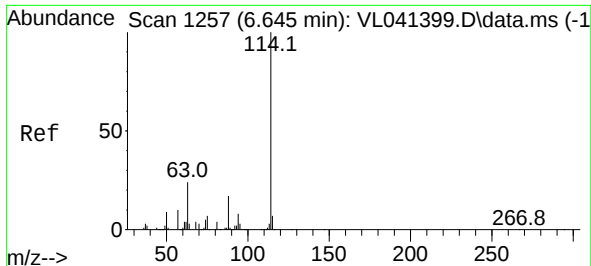
43 74.1 193.6 290.4#

56 55.1 43.1 64.7



Abundance





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

B-OMDL

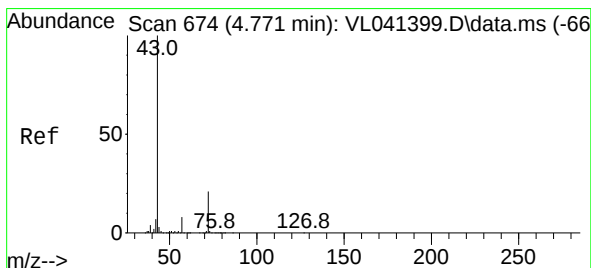
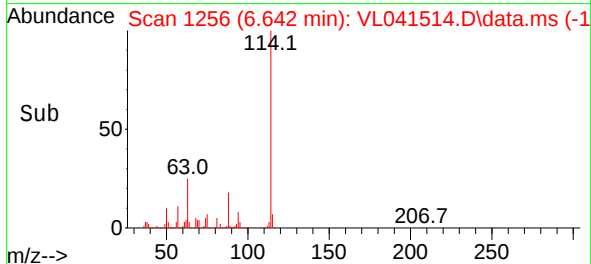
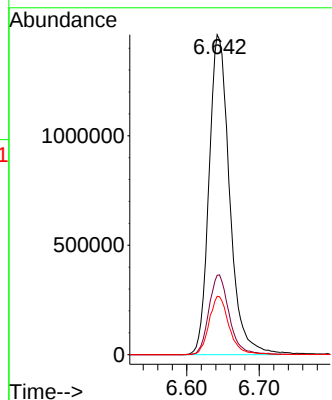
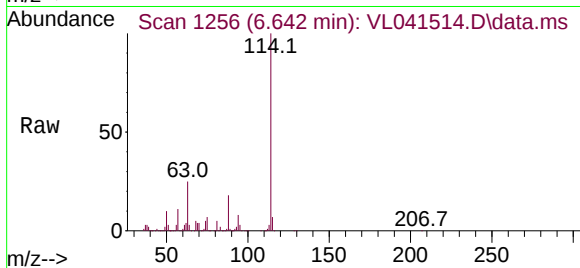
Tgt Ion:114 Resp: 2877186

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 0.046 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.010 min

Lab File: VL041514.D

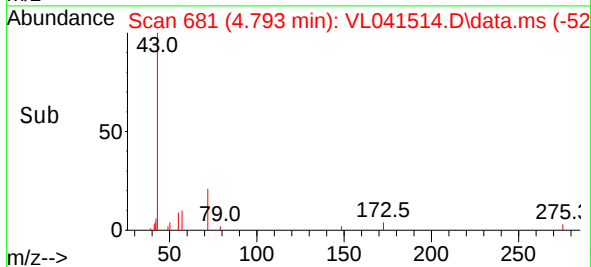
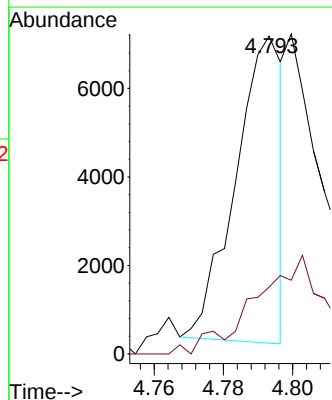
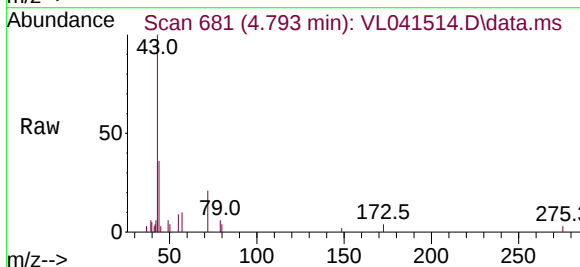
Acq: 8 Aug 2024 15:48

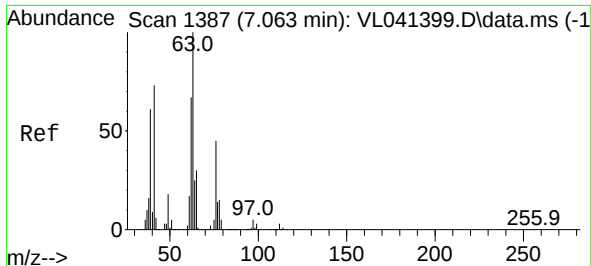
Tgt Ion: 43 Resp: 6440

Ion Ratio Lower Upper

43 100

72 24.9 17.3 25.9





#39

1,2-Dichloropropane

Concen: 8.786 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.424 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

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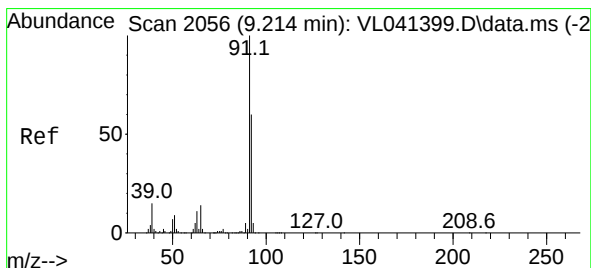
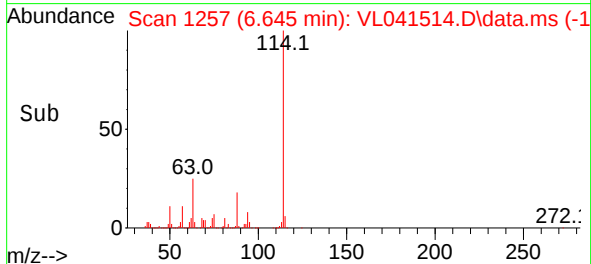
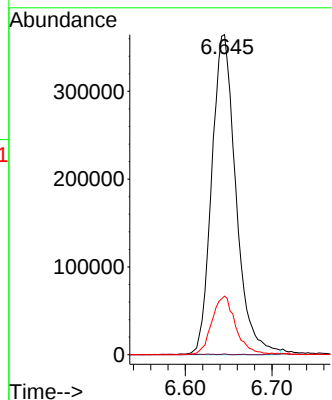
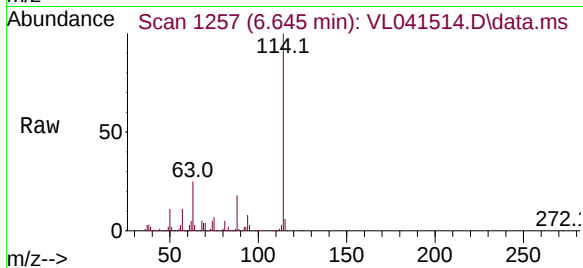
Tgt Ion: 63 Resp: 707173

Ion Ratio Lower Upper

63 100

41 0.0 58.3 87.5#

62 18.3 53.9 80.9#



#53

Toluene

Concen: 0.044 ppbv

RT: 9.211 min Scan# 2055

Delta R.T. -0.006 min

Lab File: VL041514.D

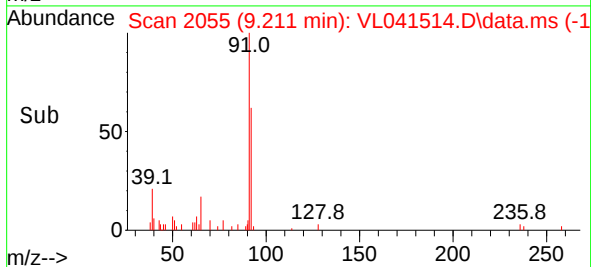
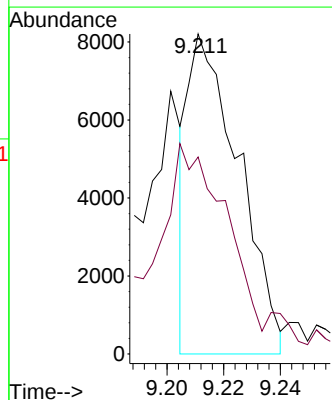
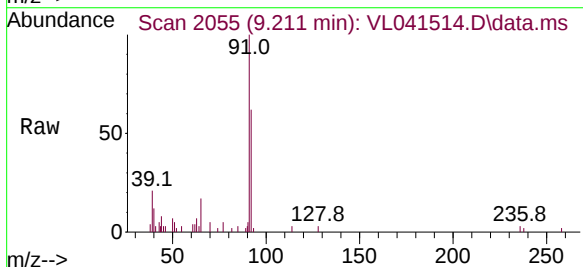
Acq: 8 Aug 2024 15:48

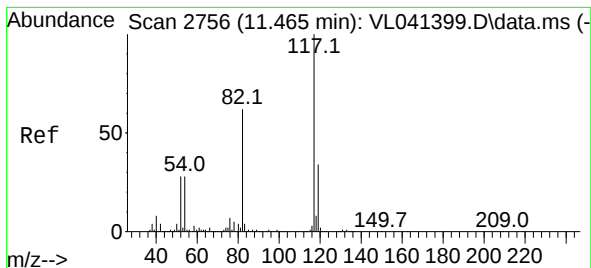
Tgt Ion: 91 Resp: 10220

Ion Ratio Lower Upper

91 100

92 0.0 48.7 73.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

B-OMDL

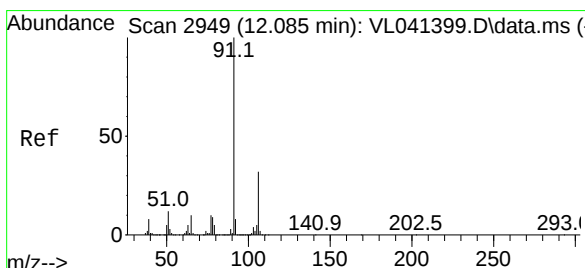
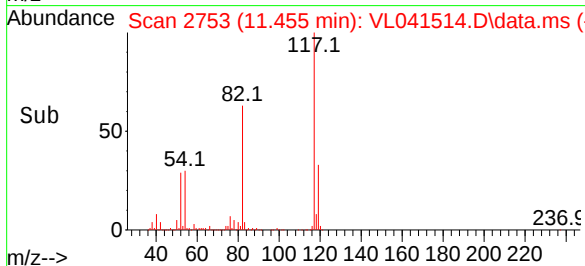
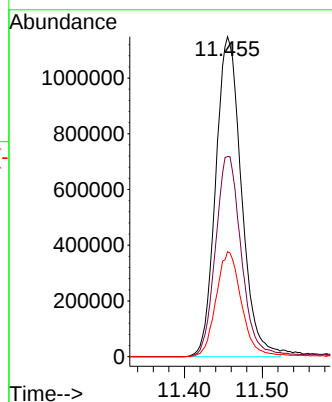
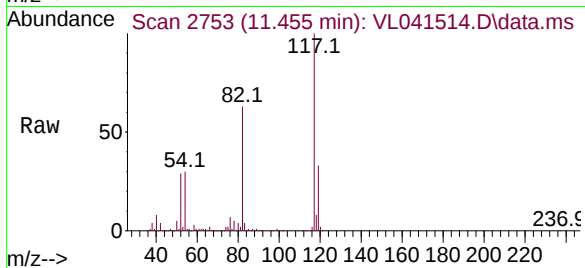
Tgt Ion:117 Resp: 2632274

Ion Ratio Lower Upper

117 100

82 64.2 51.0 76.6

119 33.1 45.2 67.8#



#58

Ethyl Benzene

Concen: 0.035 ppbv

RT: 12.362 min Scan# 3035

Delta R.T. 0.277 min

Lab File: VL041514.D

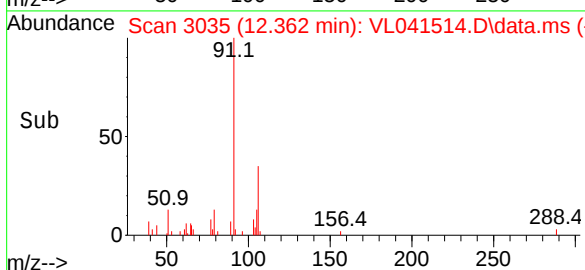
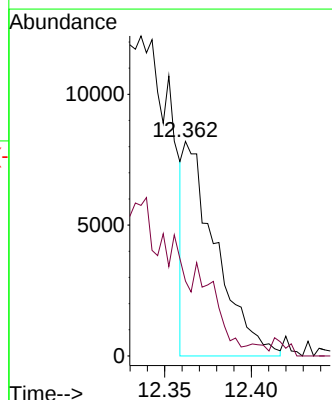
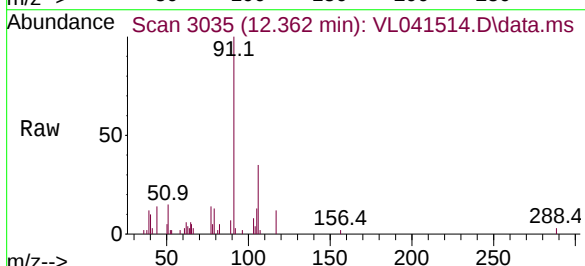
Acq: 8 Aug 2024 15:48

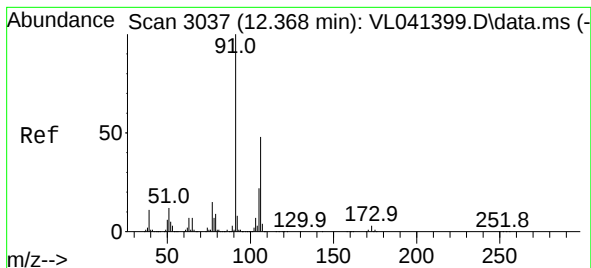
Tgt Ion: 91 Resp: 10657

Ion Ratio Lower Upper

91 100

106 29.0 25.8 38.8





#59

m/p-Xylene

Concen: 0.041 ppbv

RT: 12.362 min Scan# 3037

Delta R.T. -0.006 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

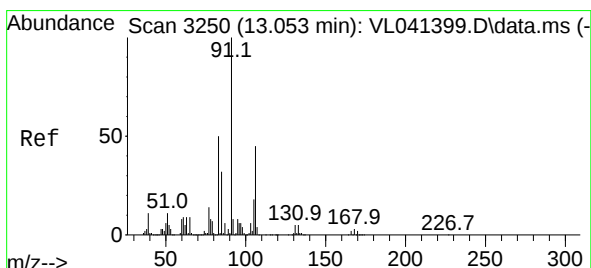
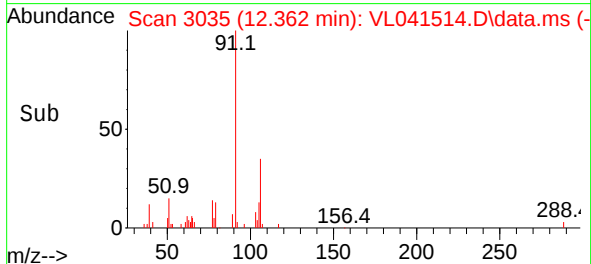
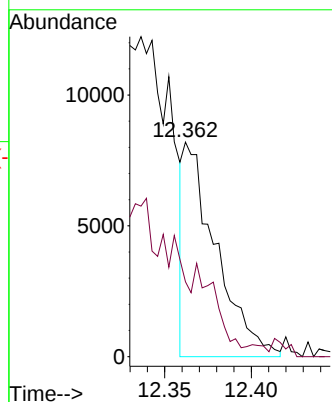
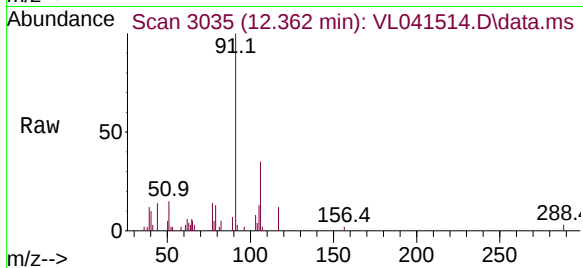
B-OMDL

Tgt Ion: 91 Resp: 10657

Ion Ratio Lower Upper

91 100

106 0.0 36.3 54.5#



#60

o-Xylene

Concen: 0.032 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. -0.010 min

Lab File: VL041514.D

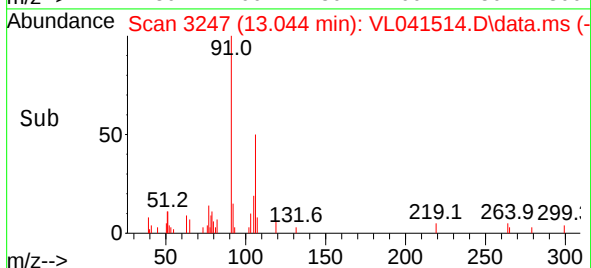
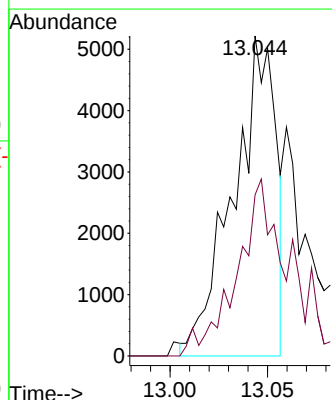
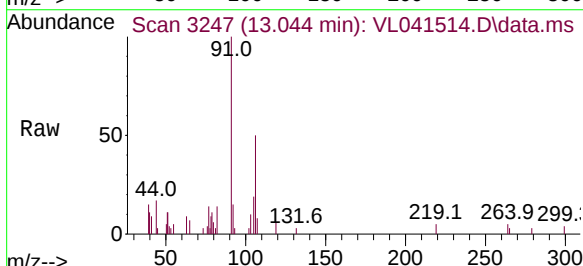
Acq: 8 Aug 2024 15:48

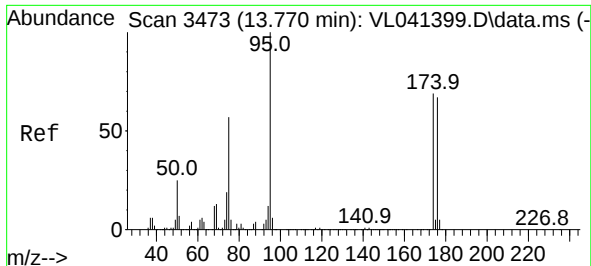
Tgt Ion: 91 Resp: 7892

Ion Ratio Lower Upper

91 100

106 68.2 23.1 69.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.935 ppbv

RT: 13.764 min Scan# 34

Delta R.T. -0.003 min

Lab File: VL041514.D

Acq: 8 Aug 2024 15:48

Instrument :

MSVOA_L

ClientSampleId :

B-OMDL

Tgt Ion: 95 Resp: 2012628

Ion Ratio Lower Upper

95 100

174 71.4 56.3 84.5

175 5.2 4.0 6.0

