

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082625\
 Data File : VL042881.D
 Acq On : 26 Aug 2025 09:16
 Operator : SY/MD
 Sample : VL0826ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0826ABL01

Quant Time: Aug 27 01:10:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

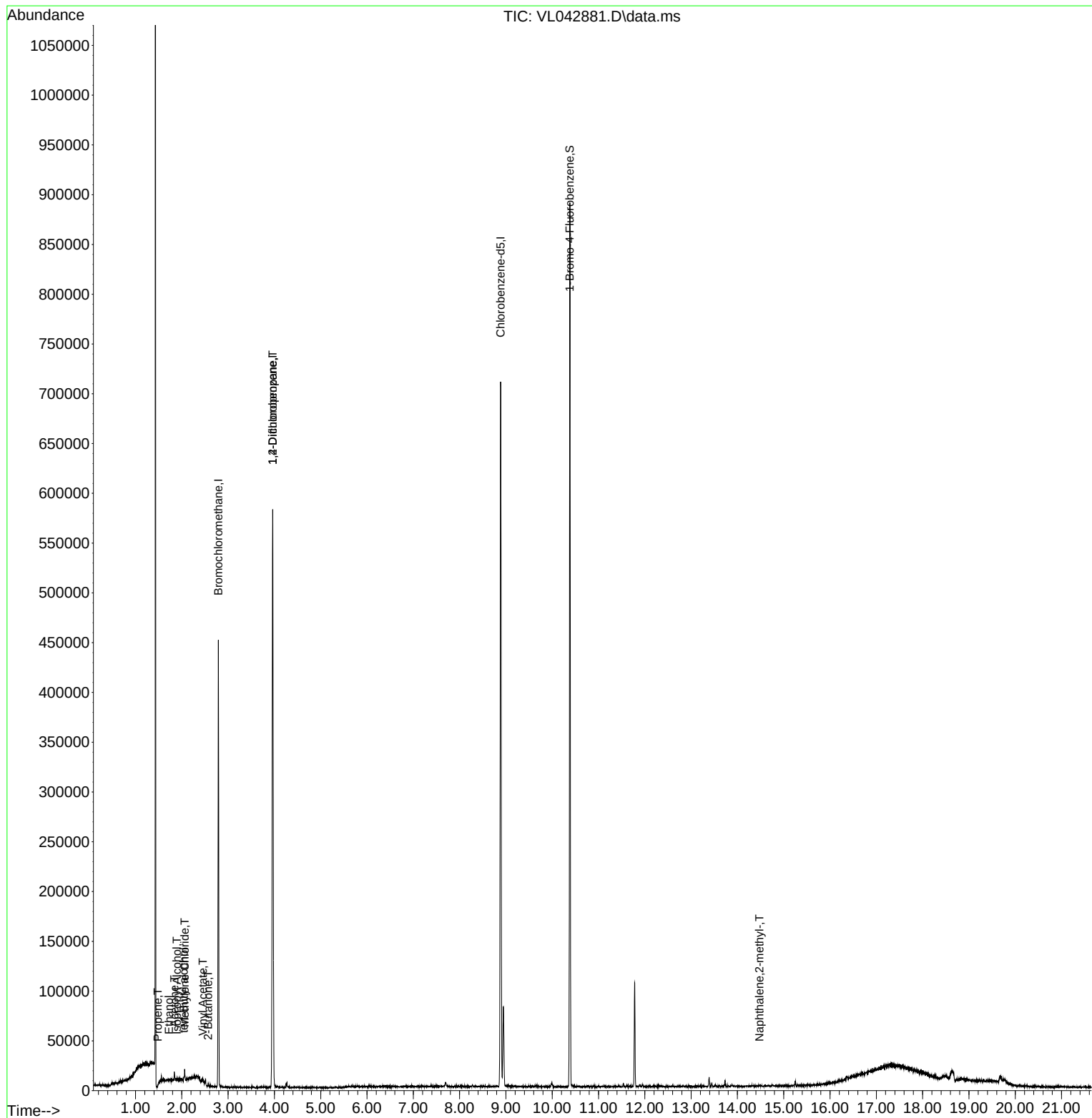
Internal Standards							
1) Bromochloromethane		2.790	49	123348	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.962	114	337393	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.885	117	287495	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.380	95	220631	10.233	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	=	102.300%
Target Compounds							
							Qvalue
9) Propene		1.483	41	278	0.032	ppbv	# 81
13) Ethanol		1.722	45	471	0.597	ppbv	# 32
15) Acetone		1.839	43	4269	0.262	ppbv	# 71
17) tert-Butyl alcohol		2.046	59	1003	0.052	ppbv	# 59
19) Isopropyl Alcohol		1.894	45	377	0.039	ppbv	# 66
20) Methylene Chloride		2.065	84	1443	0.211	ppbv	# 75
23) Vinyl Acetate		2.454	43	747	0.033	ppbv	# 1
34) 2-Butanone		2.567	43	1558	0.068	ppbv	# 90
39) 1,2-Dichloropropane		3.962	63	90108	7.636	ppbv	# 26
80) Naphthalene,2-methyl-		14.478	142	475	0.031	ppbv	# 76

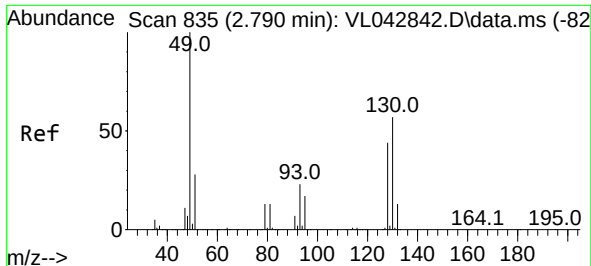
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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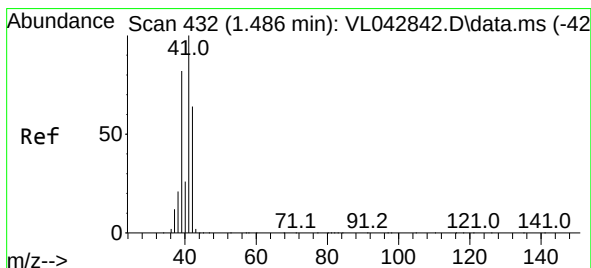
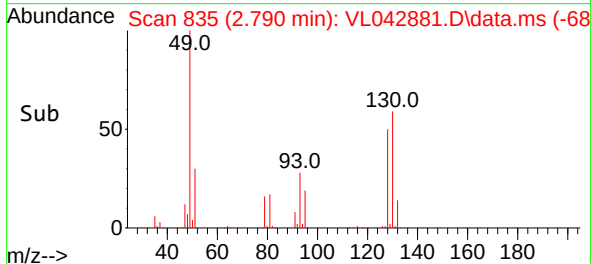
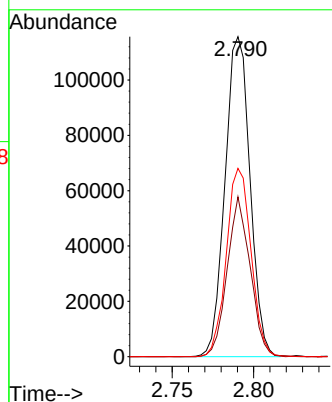
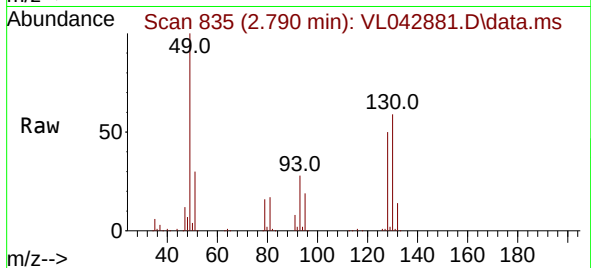




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

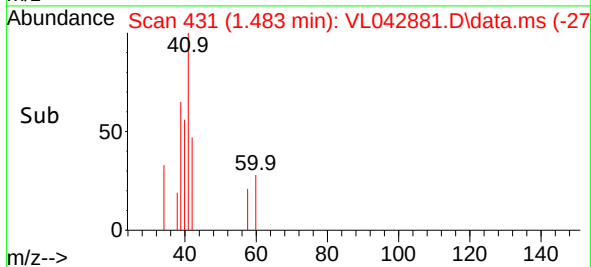
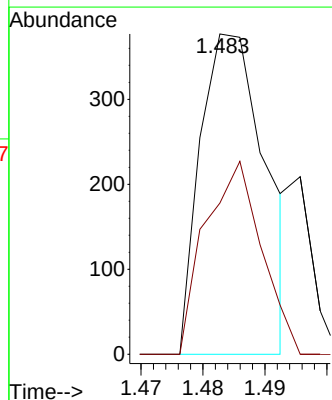
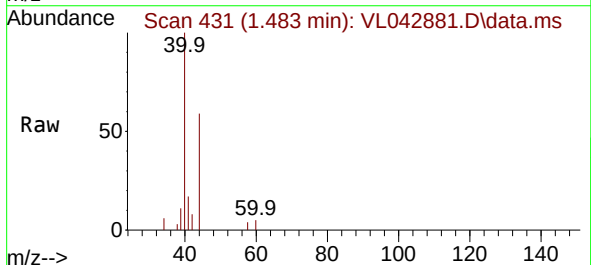
Instrument :
MSVOA_L
ClientSampleId :
VL0826ABL01

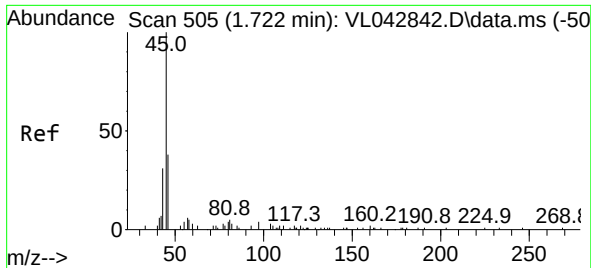
Tgt Ion: 49 Resp: 123348
Ion Ratio Lower Upper
49 100
128 45.9 23.7 71.1
130 58.2 30.6 91.6



#9
Propene
Concen: 0.032 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.003 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

Tgt Ion: 41 Resp: 278
Ion Ratio Lower Upper
41 100
42 51.4 53.0 79.4#

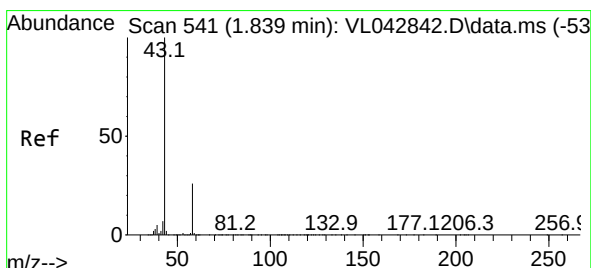
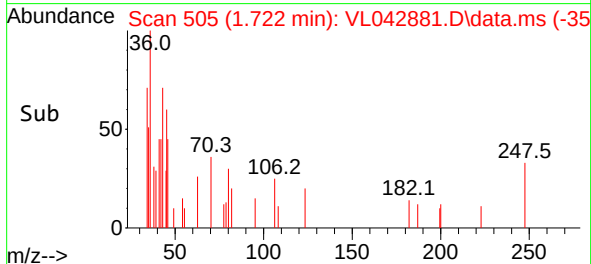
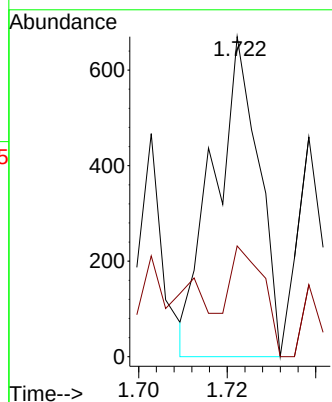
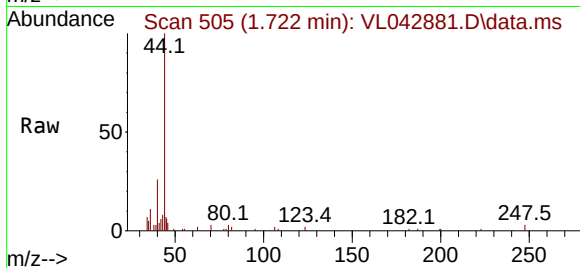




#13
Ethanol
Concen: 0.597 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

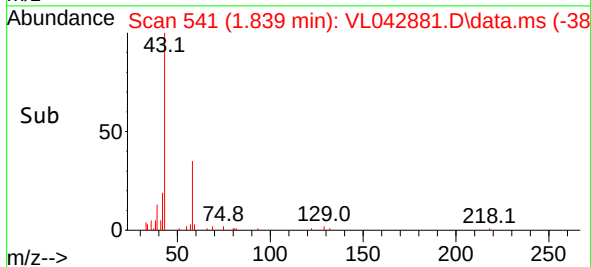
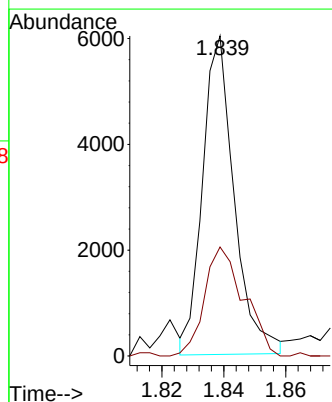
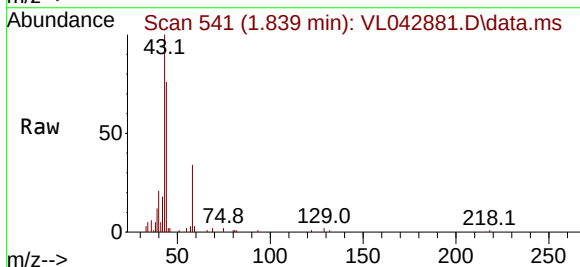
Instrument :
MSVOA_1
ClientSampleId :
VL0826ABL01

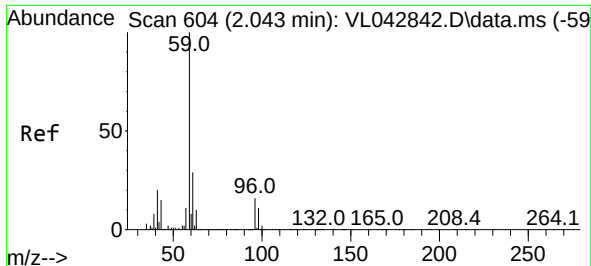
Tgt Ion: 45 Resp: 471
Ion Ratio Lower Upper
45 100
46 0.0 17.5 69.9#



#15
Acetone
Concen: 0.262 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

Tgt Ion: 43 Resp: 4269
Ion Ratio Lower Upper
43 100
58 43.4 22.4 33.6#





#17

tert-Butyl alcohol

Concen: 0.052 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042881.D

Acq: 26 Aug 2025 09:16

Instrument :

MSVOA_1

ClientSampleId :

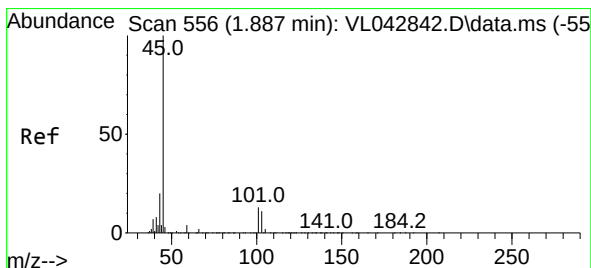
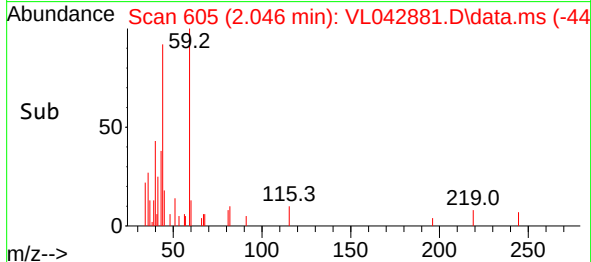
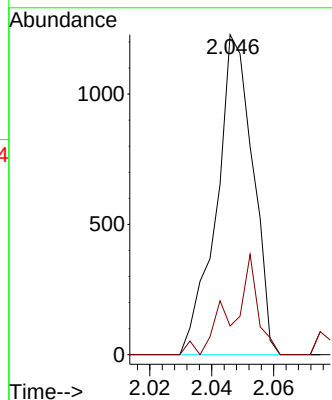
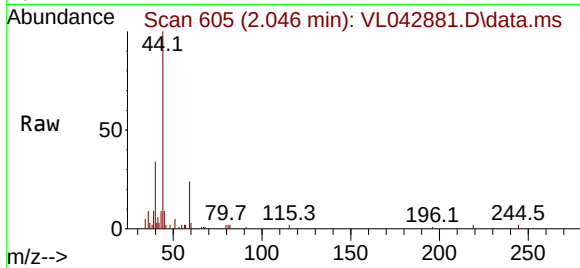
VL0826ABL01

Tgt Ion: 59 Resp: 1003

Ion Ratio Lower Upper

59 100

57 27.0 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 0.039 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.007 min

Lab File: VL042881.D

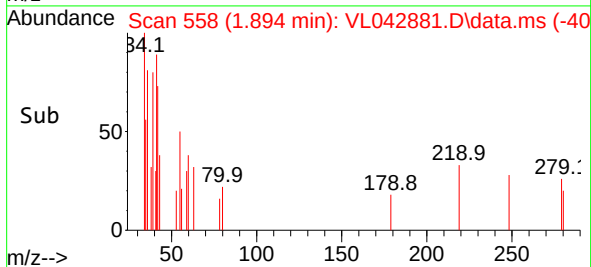
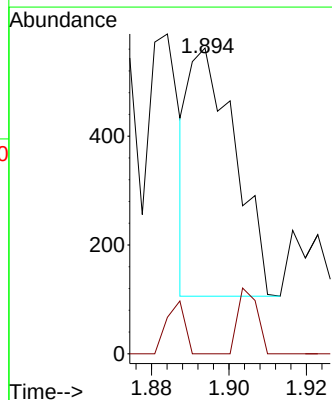
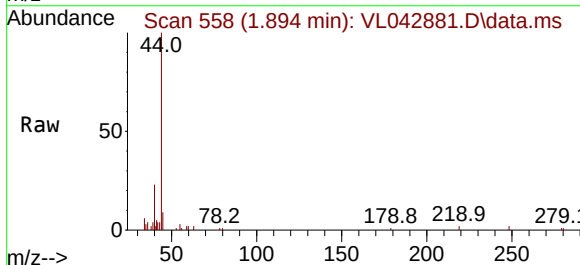
Acq: 26 Aug 2025 09:16

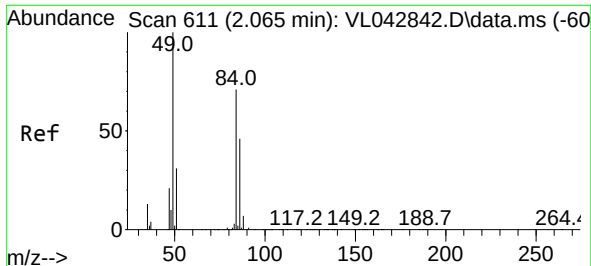
Tgt Ion: 45 Resp: 377

Ion Ratio Lower Upper

45 100

58 19.6 32.7 49.1#

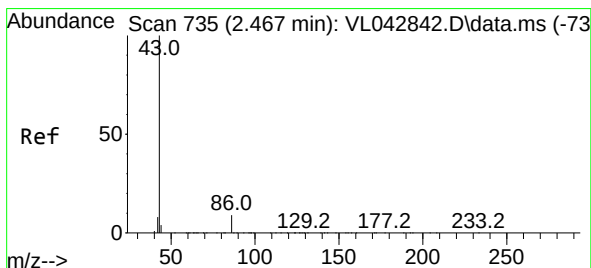
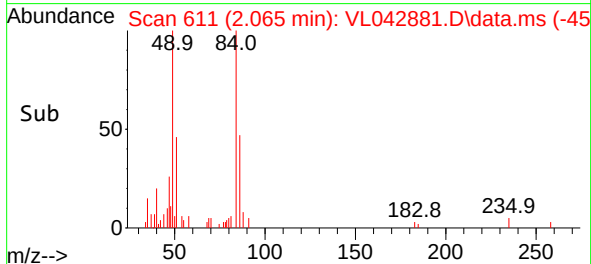
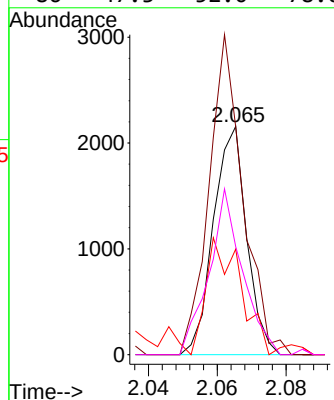
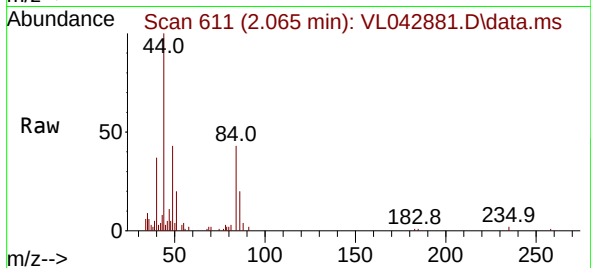




#20
Methylene Chloride
Concen: 0.211 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

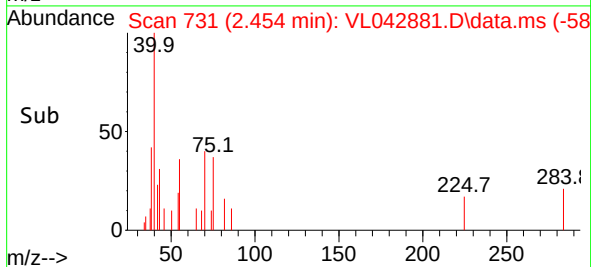
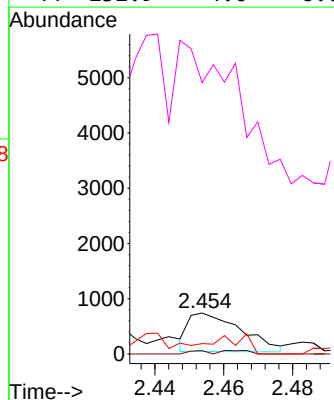
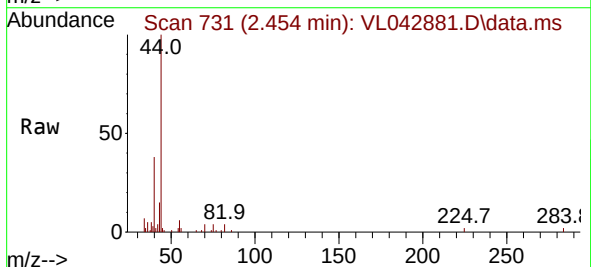
Instrument :
MSVOA_L
ClientSampleId :
VL0826ABL01

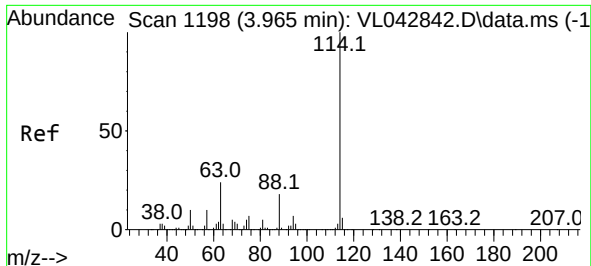
Tgt Ion:	84	Resp:	1443
Ion	Ratio	Lower	Upper
84	100		
49	99.8	112.3	168.5#
51	43.2	36.0	54.0
86	47.3	52.0	78.0#



#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.013 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

Tgt Ion:	43	Resp:	747
Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.6	9.8#
42	31.5	7.0	10.6#
44	232.9	4.0	6.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1198

Delta R.T. -0.003 min

Lab File: VL042881.D

Acq: 26 Aug 2025 09:16

Instrument :

MSVOA_L

ClientSampleId :

VL0826ABL01

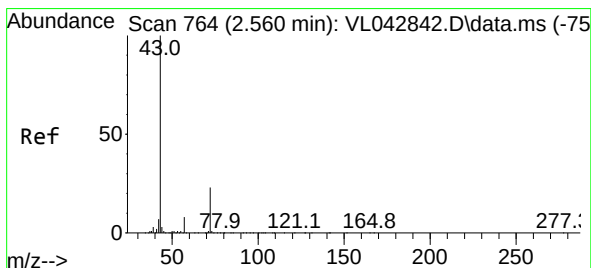
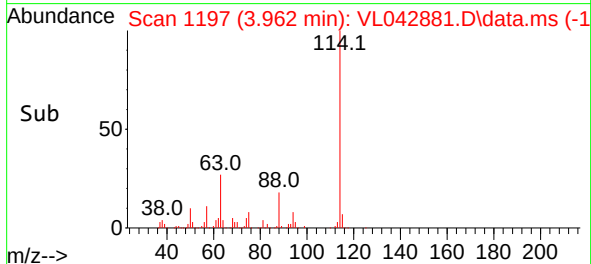
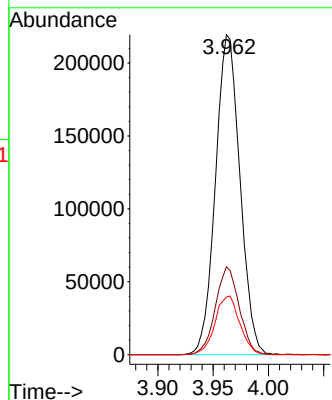
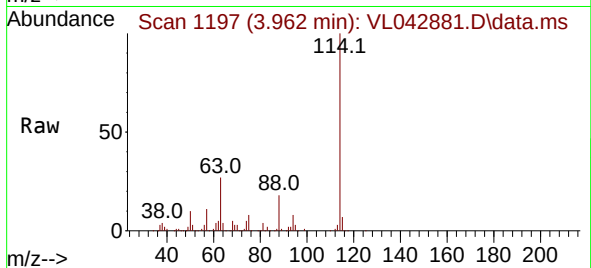
Tgt Ion:114 Resp: 337393

Ion Ratio Lower Upper

114 100

63 26.8 19.7 29.5

88 18.6 14.4 21.6



#34

2-Butanone

Concen: 0.068 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.007 min

Lab File: VL042881.D

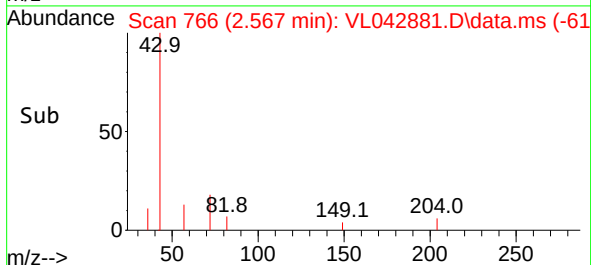
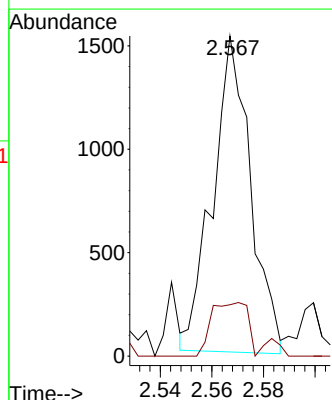
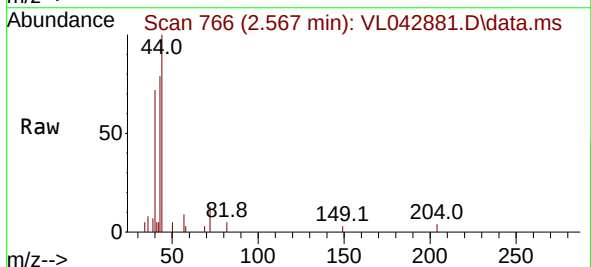
Acq: 26 Aug 2025 09:16

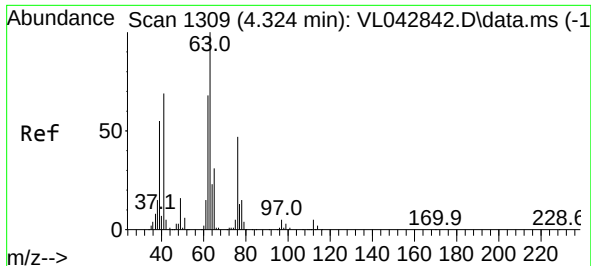
Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

72 18.6 18.6 28.0#





#39

1,2-Dichloropropane

Concen: 7.636 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.362 min

Lab File: VL042881.D

Acq: 26 Aug 2025 09:16

Instrument :

MSVOA_L

ClientSampleId :

VL0826ABL01

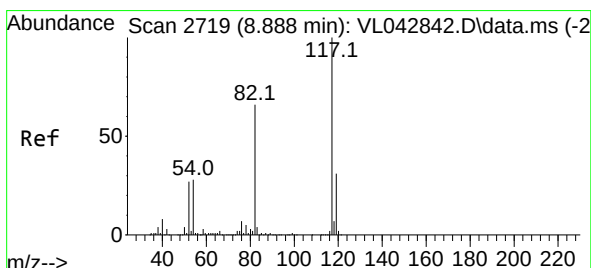
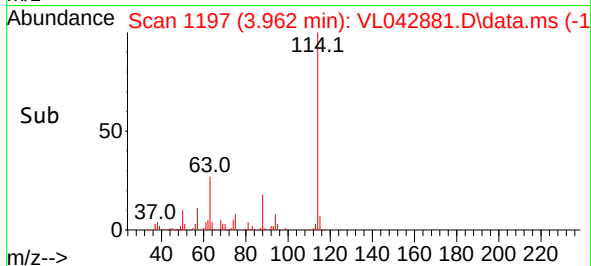
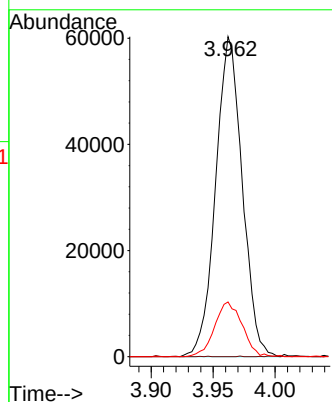
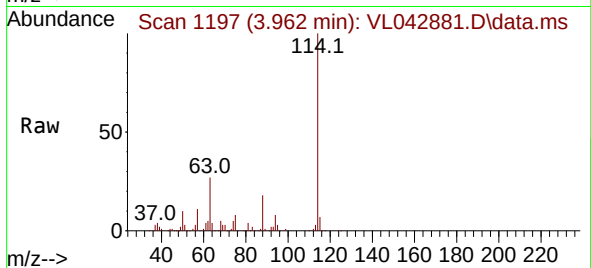
Tgt Ion: 63 Resp: 90108

Ion Ratio Lower Upper

63 100

41 0.0 55.0 82.4#

62 17.1 54.4 81.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. -0.003 min

Lab File: VL042881.D

Acq: 26 Aug 2025 09:16

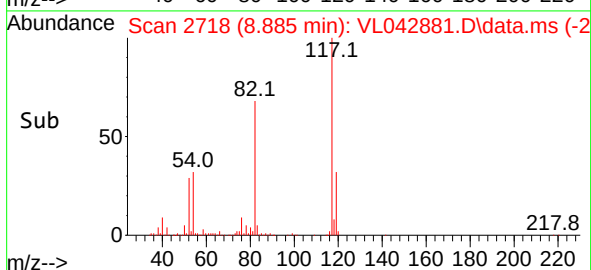
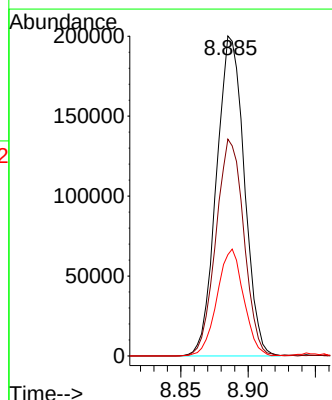
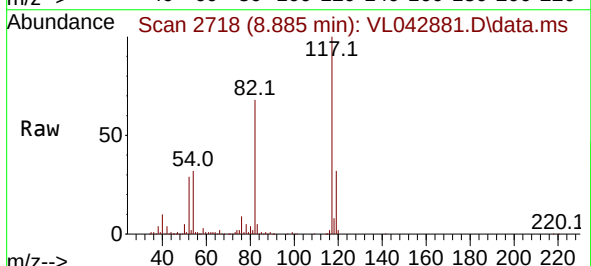
Tgt Ion: 117 Resp: 287495

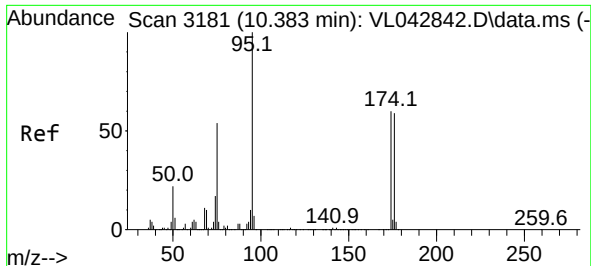
Ion Ratio Lower Upper

117 100

82 68.2 54.6 81.8

119 32.1 25.9 38.9

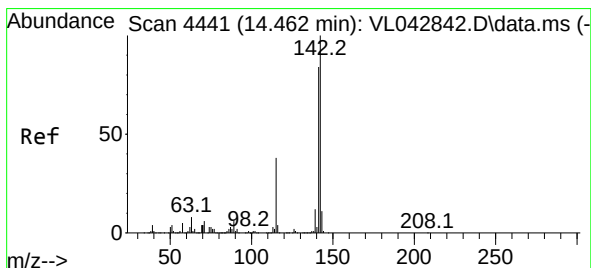
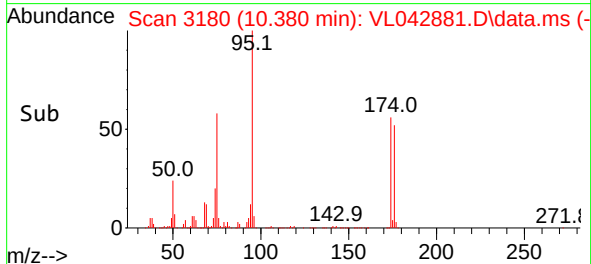
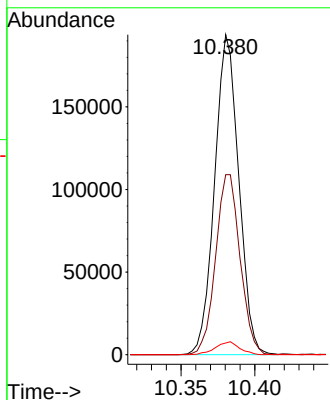
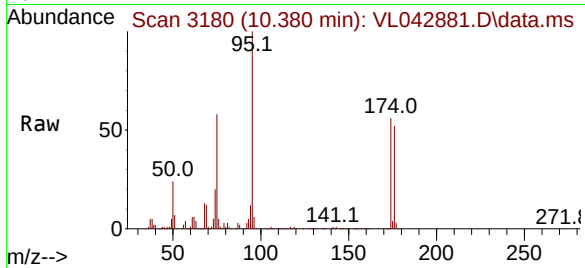




#68
1-Bromo-4-Fluorobenzene
Concen: 10.233 ppbv
RT: 10.380 min Scan# 3181
Delta R.T. -0.003 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

Instrument :
MSVOA_L
ClientSampleId :
VL0826ABL01

Tgt Ion: 95 Resp: 220631
Ion Ratio Lower Upper
95 100
174 57.1 48.4 72.6
175 4.0 3.8 5.8



#80
Naphthalene, 2-methyl-
Concen: 0.031 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.016 min
Lab File: VL042881.D
Acq: 26 Aug 2025 09:16

Tgt Ion: 142 Resp: 475
Ion Ratio Lower Upper
142 100
141 58.1 67.0 100.6#
115 46.7 30.9 46.3#

