

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042766.D
 Acq On : 24 Jul 2025 15:40
 Operator : SY/MD
 Sample : Q2671-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 25 01:28:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

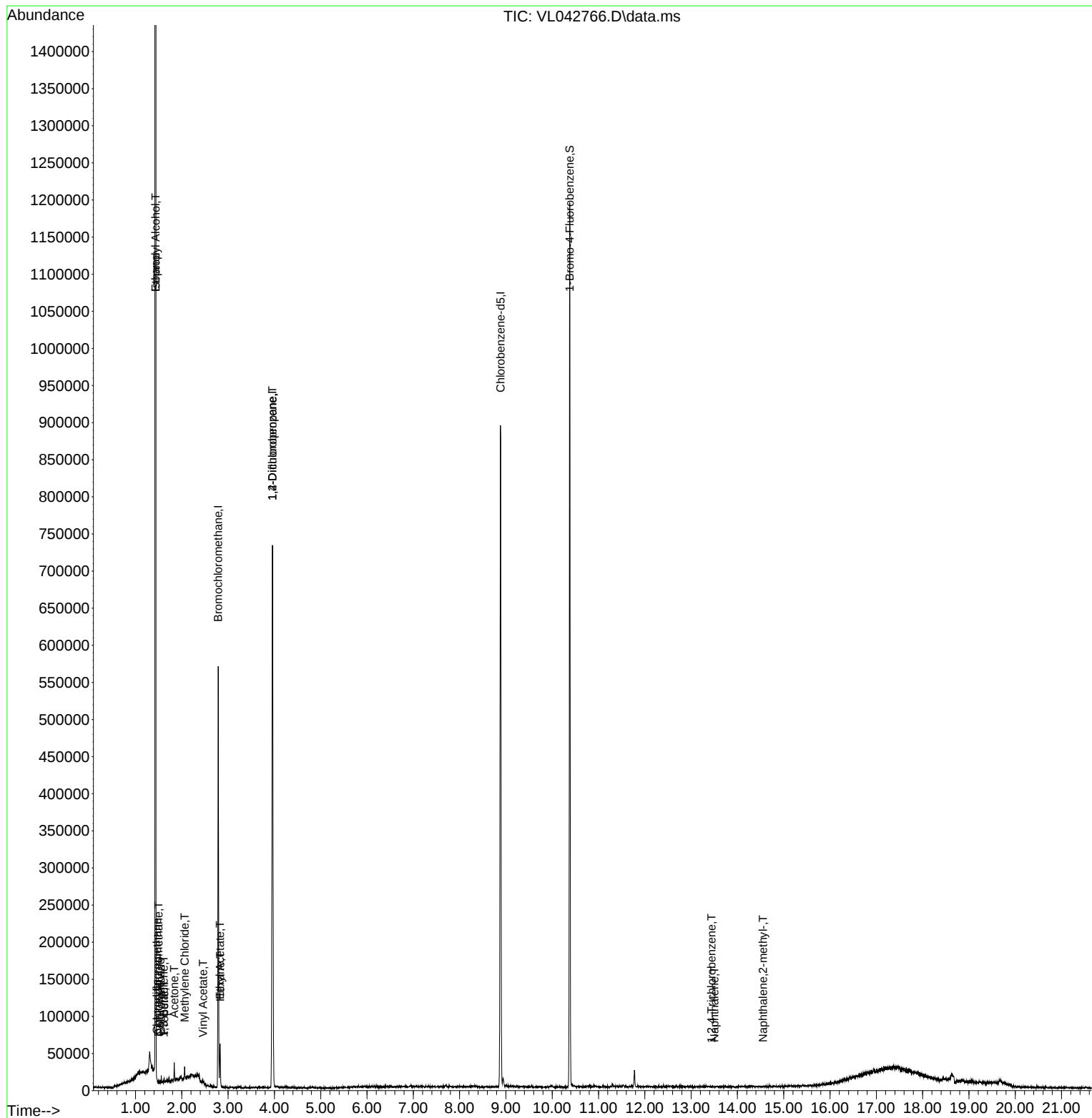
Internal Standards						
1) Bromochloromethane	2.787	49	151501	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	406624	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	359050	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	281008	9.883	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1068	0.053	ppbv	94
3) Chlorodifluoromethane	1.467	51	2192	0.084	ppbv #	74
4) Chloromethane	1.535	50	483	0.060	ppbv #	57
9) Propene	1.622	41	597	0.063	ppbv	98
13) Ethanol	1.434	45	145241	209.182	ppbv #	1
15) Acetone	1.836	43	10850	0.519	ppbv	94
16) 1,3-Butadiene	1.609	39	535	0.060	ppbv #	16
19) Isopropyl Alcohol	1.434	45	145241	13.065	ppbv #	38
20) Methylene Chloride	2.062	84	1873	0.284	ppbv #	74
23) Vinyl Acetate	2.457	43	851	0.034	ppbv #	63
25) Ethyl Acetate	2.826	43	9485	0.205	ppbv #	80
26) Hexane	2.829	57	13254	0.652	ppbv #	40
39) 1,2-Dichloropropane	3.959	63	105225	7.397	ppbv #	22
79) Naphthalene	13.504	128	32	0.436	ppbv #	69
80) Naphthalene,2-methyl-	14.552	142	35	1.130	ppbv #	32
81) 1,2,4-Trichlorobenzene	13.439	180	28	0.436	ppbv #	1

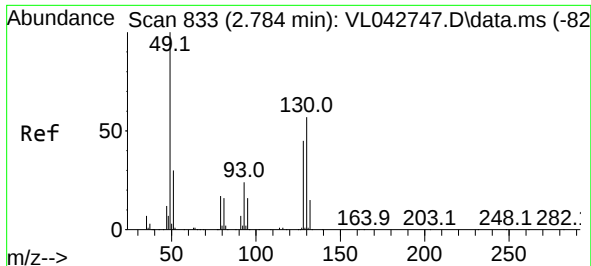
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042766.D
Acq On : 24 Jul 2025 15:40
Operator : SY/MD
Sample : Q2671-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 25 01:28:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

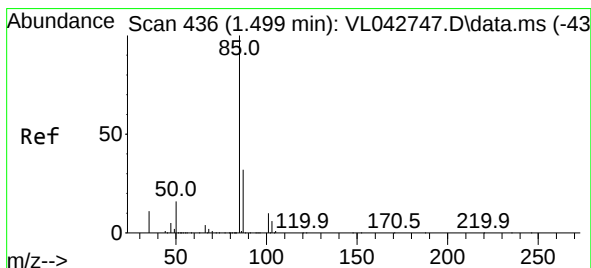
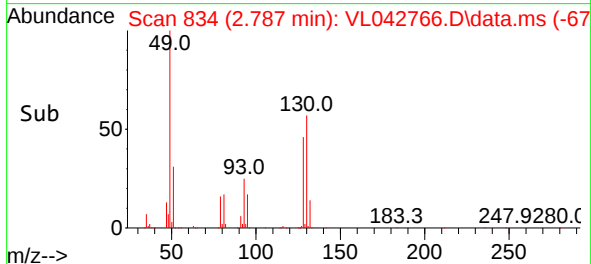
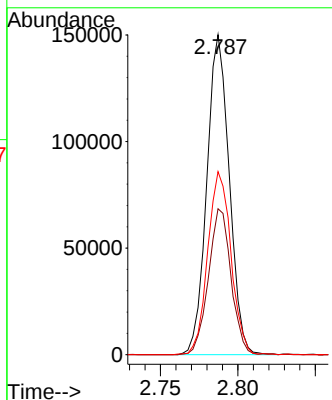
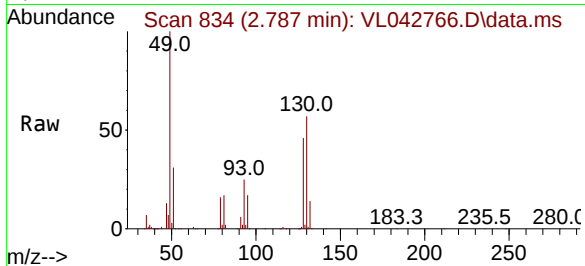




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL042766.D
 Acq: 24 Jul 2025 15:40

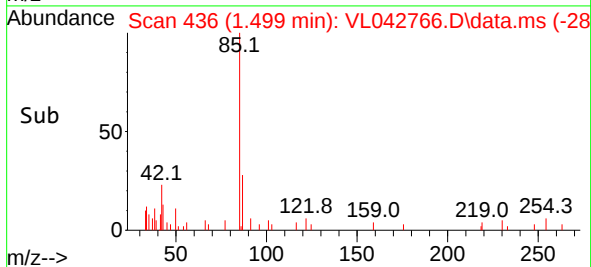
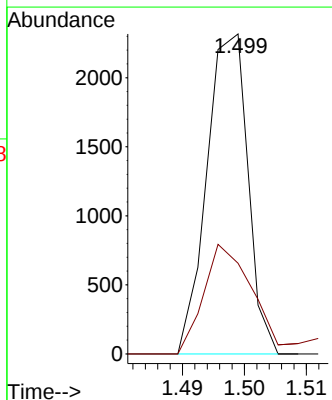
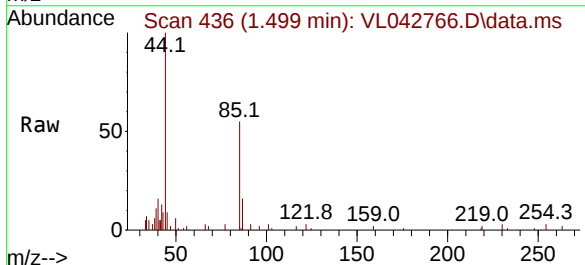
Instrument :
 MSVOA_L
 ClientSampleId :

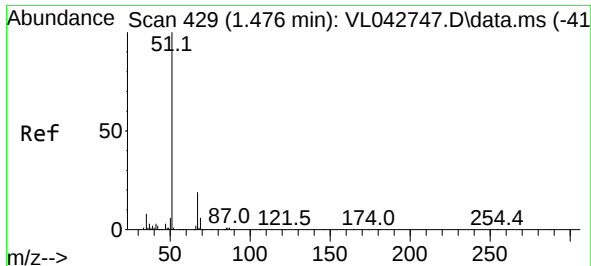
Tgt Ion: 49 Resp: 151501
 Ion Ratio Lower Upper
 49 100
 128 45.9 23.6 71.0
 130 59.2 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.053 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.000 min
 Lab File: VL042766.D
 Acq: 24 Jul 2025 15:40

Tgt Ion: 85 Resp: 1068
 Ion Ratio Lower Upper
 85 100
 87 28.4 25.4 38.2

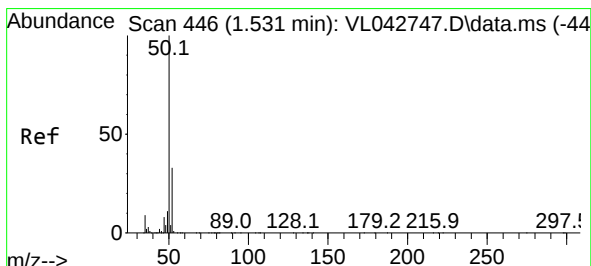
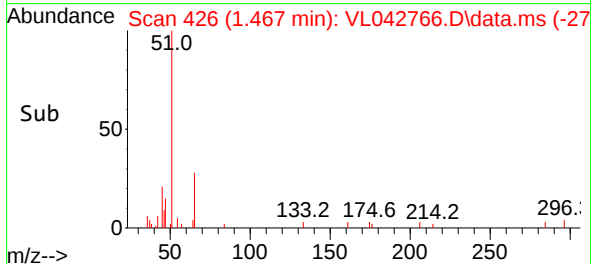
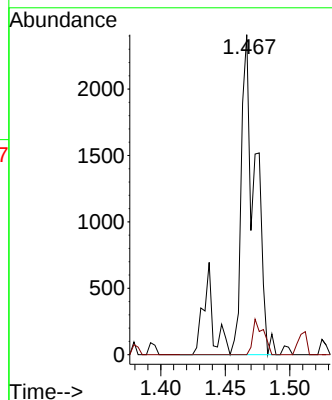
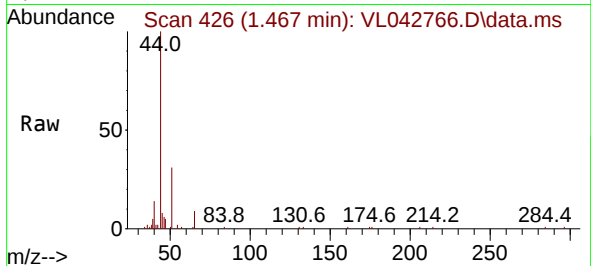




#3
Chlorodifluoromethane
Concen: 0.084 ppbv
RT: 1.467 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

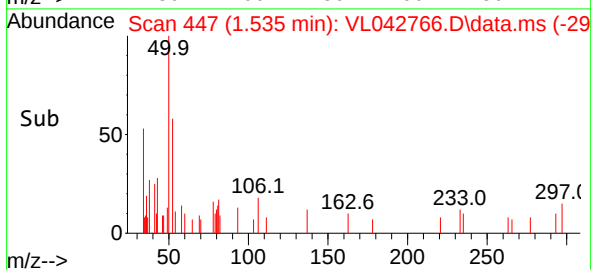
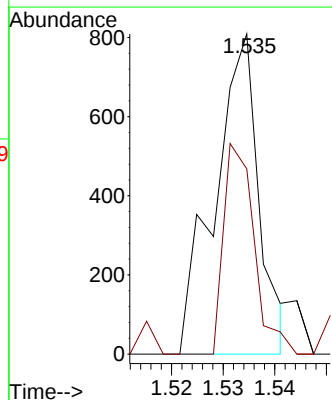
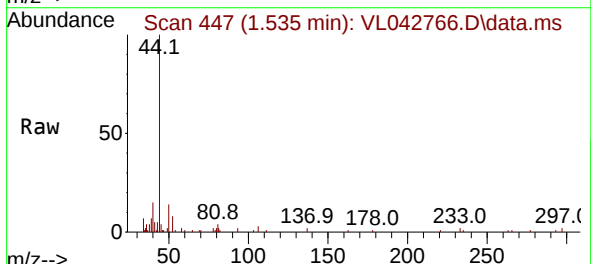
Instrument :
MSVOA_L
ClientSampleId :

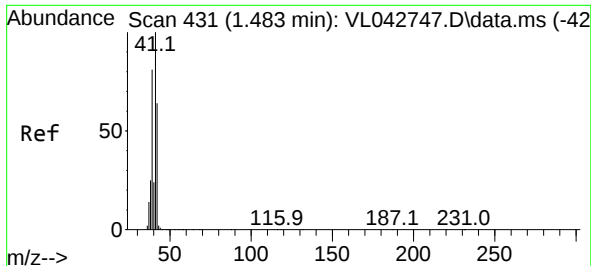
Tgt Ion: 51 Resp: 2192
Ion Ratio Lower Upper
51 100
67 6.9 15.0 22.6#



#4
Chloromethane
Concen: 0.060 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 50 Resp: 483
Ion Ratio Lower Upper
50 100
52 57.8 26.6 40.0#





#9

Propene

Concen: 0.063 ppbv

RT: 1.622 min Scan# 41

Delta R.T. 0.139 min

Lab File: VL042766.D

Acq: 24 Jul 2025 15:40

Instrument :

MSVOA_L

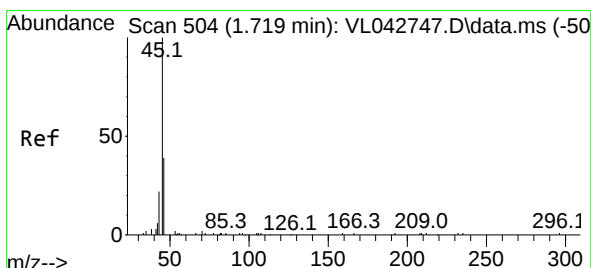
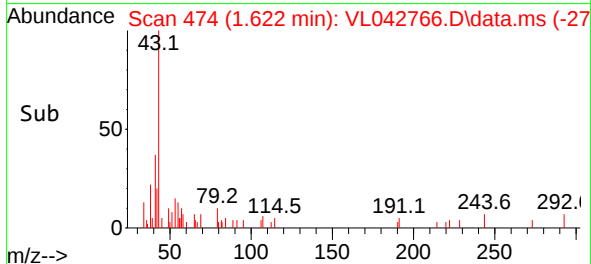
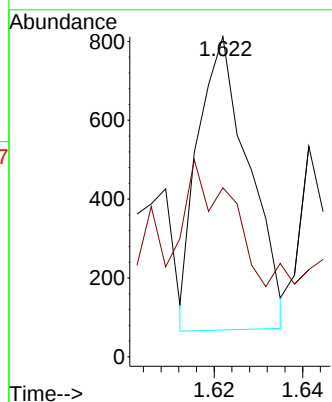
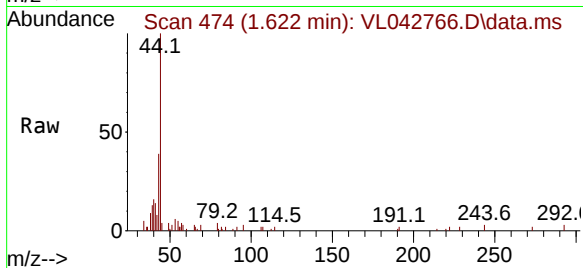
ClientSampleId :

Tgt Ion: 41 Resp: 597

Ion Ratio Lower Upper

41 100

42 64.8 53.2 79.8



#13

Ethanol

Concen: 209.182 ppbv

RT: 1.434 min Scan# 416

Delta R.T. -0.285 min

Lab File: VL042766.D

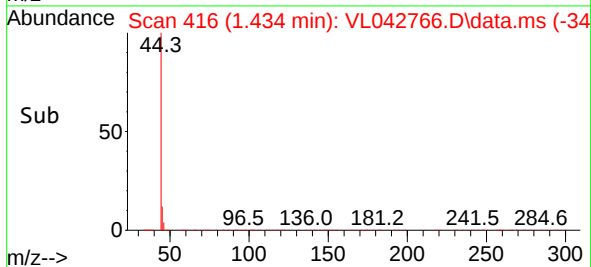
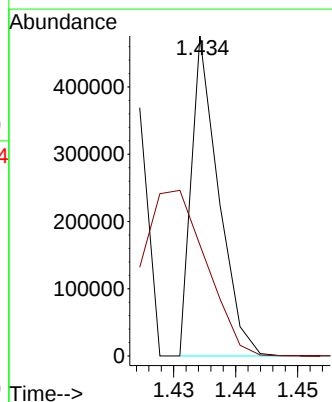
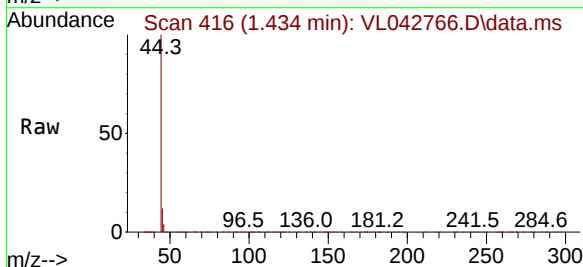
Acq: 24 Jul 2025 15:40

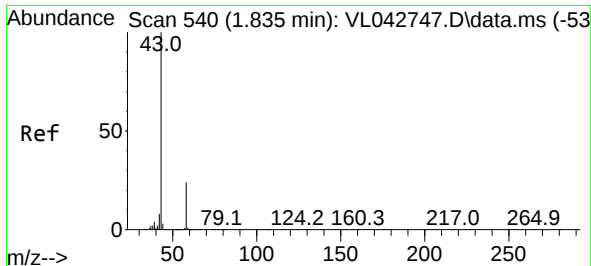
Tgt Ion: 45 Resp: 145241

Ion Ratio Lower Upper

45 100

46 122.6 17.8 71.4#

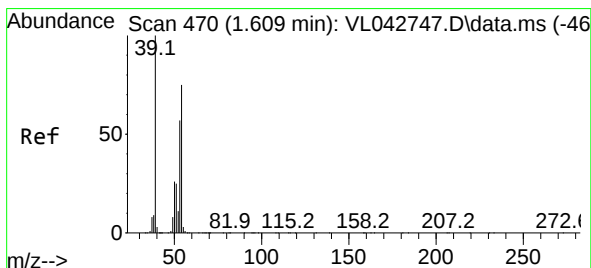
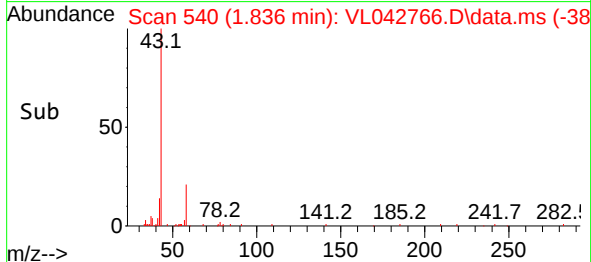
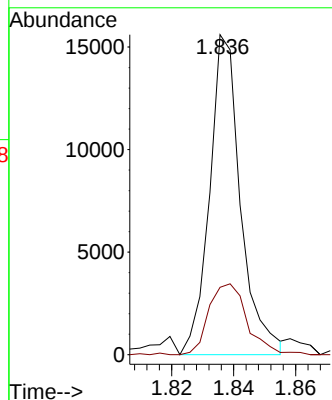
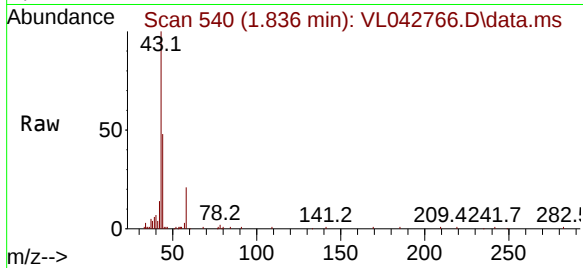




#15
Acetone
Concen: 0.519 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

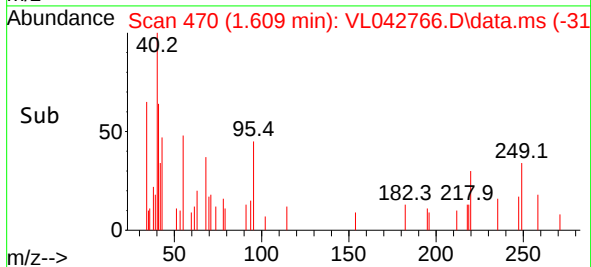
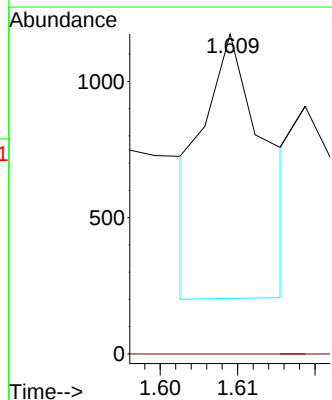
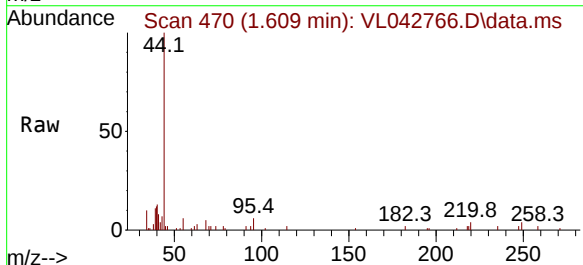
Instrument :
MSVOA_L
ClientSampleId :

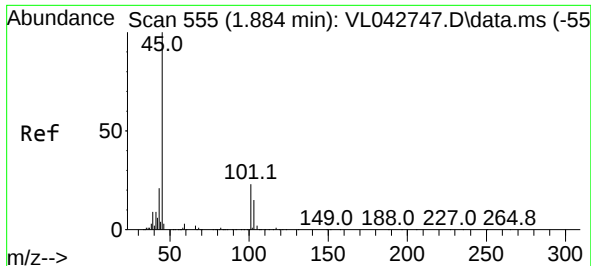
Tgt Ion: 43 Resp: 10850
Ion Ratio Lower Upper
43 100
58 27.6 19.8 29.8



#16
1,3-Butadiene
Concen: 0.060 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 39 Resp: 535
Ion Ratio Lower Upper
39 100
54 0.0 54.5 81.7#

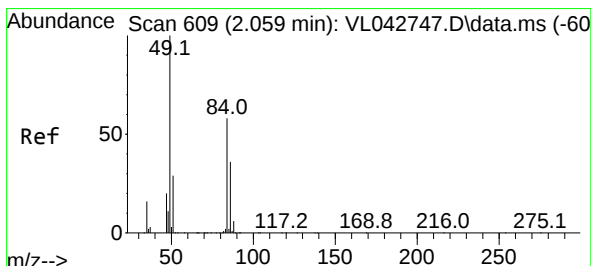
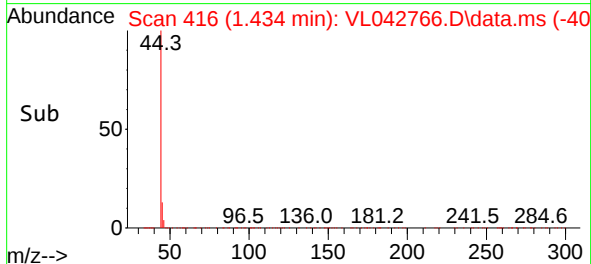
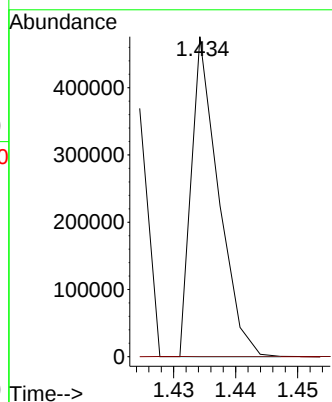
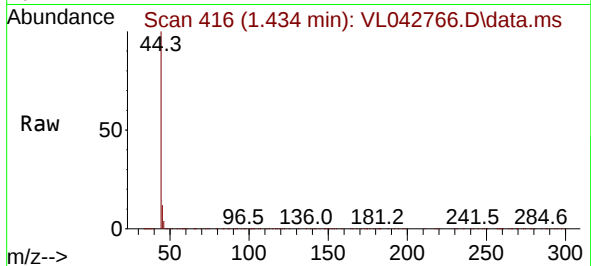




#19
Isopropyl Alcohol
Concen: 13.065 ppbv
RT: 1.434 min Scan# 416
Delta R.T. -0.450 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

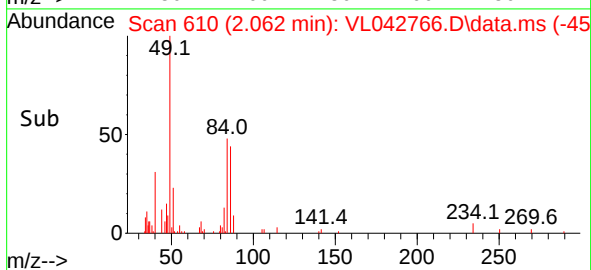
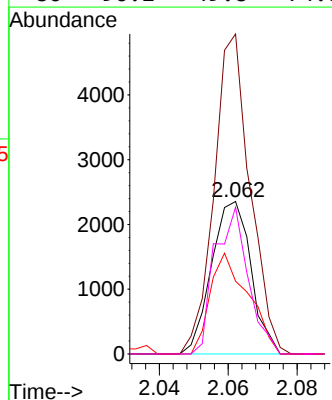
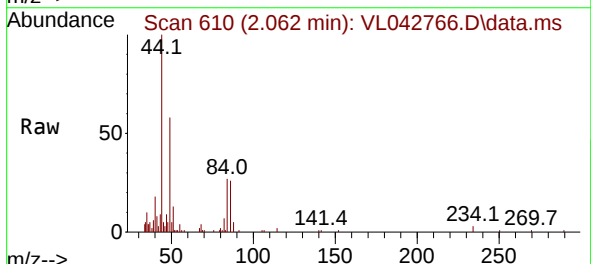
Instrument :
MSVOA_L
ClientSampleId :

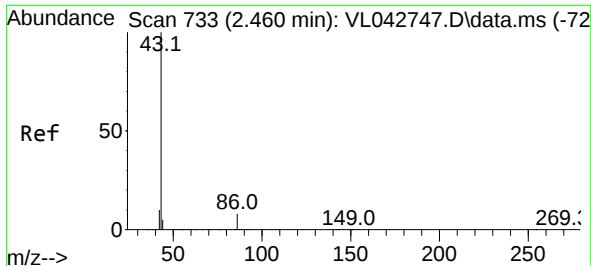
Tgt Ion: 45 Resp: 145241
Ion Ratio Lower Upper
45 100
58 0.2 30.0 45.0#



#20
Methylene Chloride
Concen: 0.284 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

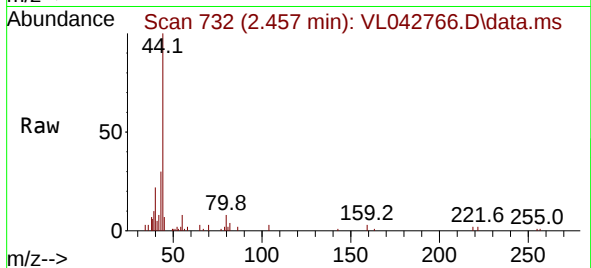
Tgt Ion: 84 Resp: 1873
Ion Ratio Lower Upper
84 100
49 209.8 138.6 208.0#
51 47.7 40.6 61.0
86 96.2 49.8 74.8#



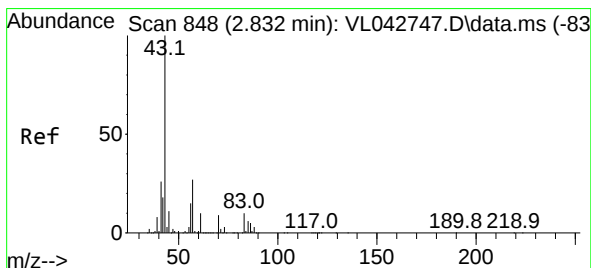
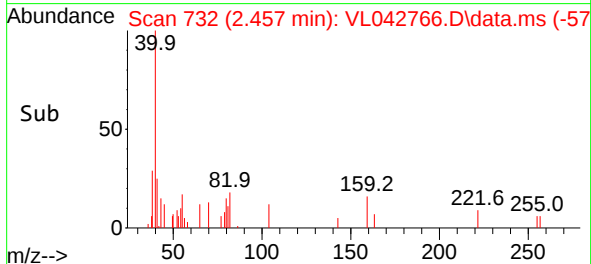
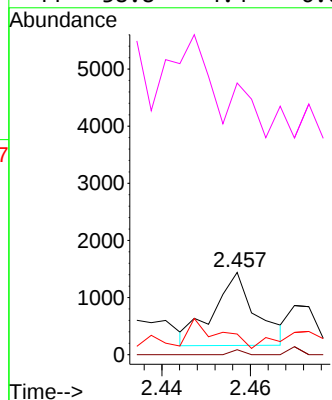


#23
 Vinyl Acetate
 Concen: 0.034 ppbv
 RT: 2.457 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL042766.D
 Acq: 24 Jul 2025 15:40

Instrument :
 MSVOA_L
 ClientSampleId :

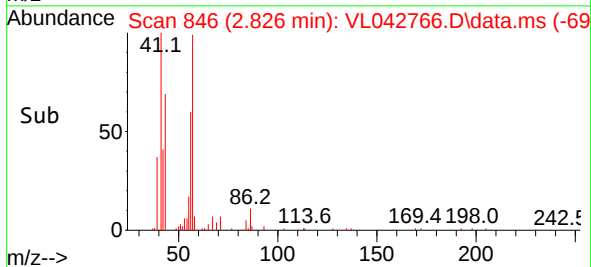
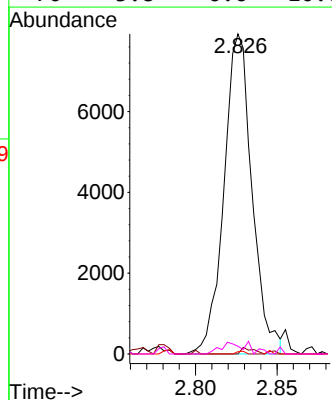
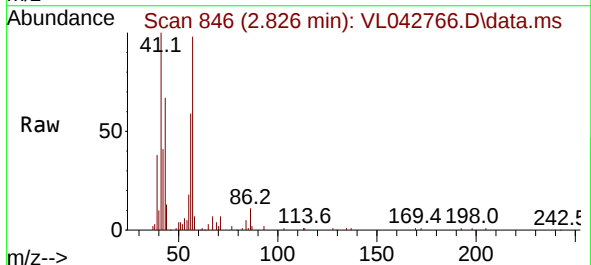


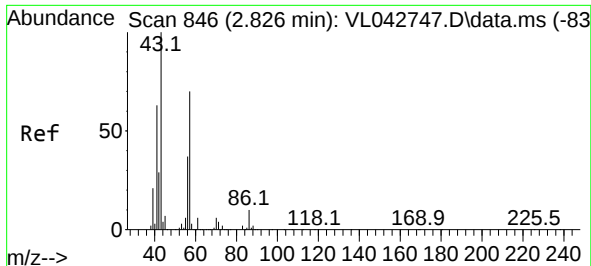
Tgt Ion:	43	Resp:	851
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.1	9.1
42	20.3	7.8	11.8#
44	38.8	4.4	6.6#



#25
 Ethyl Acetate
 Concen: 0.205 ppbv
 RT: 2.826 min Scan# 846
 Delta R.T. -0.006 min
 Lab File: VL042766.D
 Acq: 24 Jul 2025 15:40

Tgt Ion:	43	Resp:	9485
Ion	Ratio	Lower	Upper
43	100		
45	1.1	7.8	11.6#
61	0.0	6.7	10.1#
70	3.8	6.6	10.0#

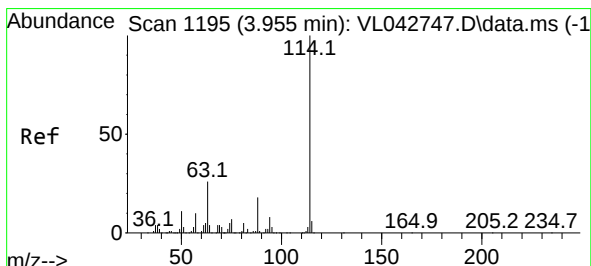
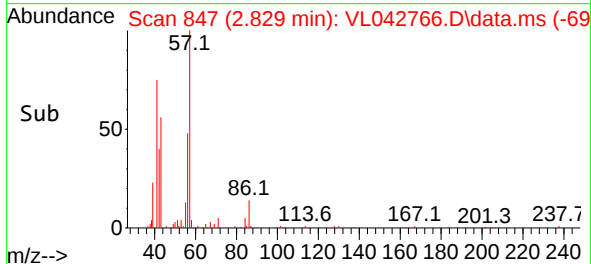
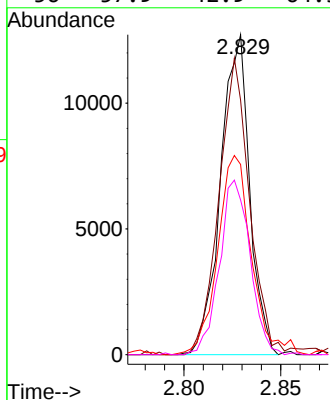
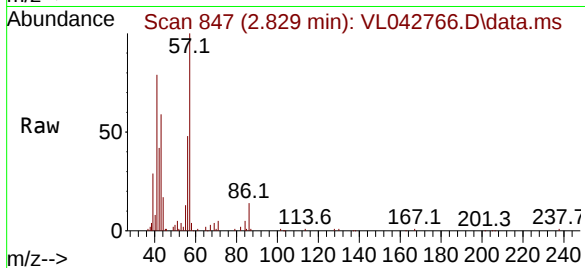




#26
Hexane
Concen: 0.652 ppbv
RT: 2.829 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

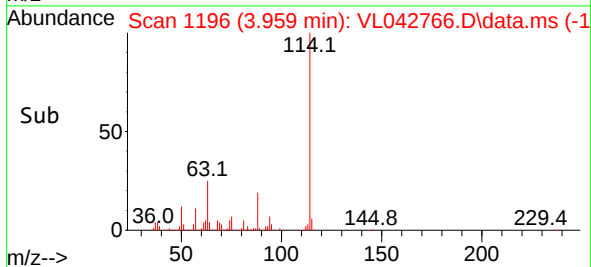
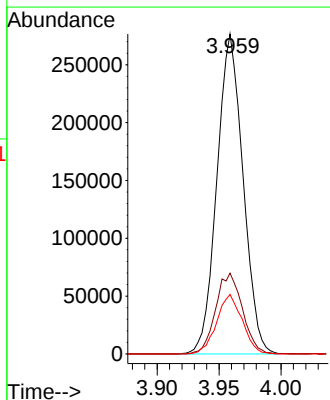
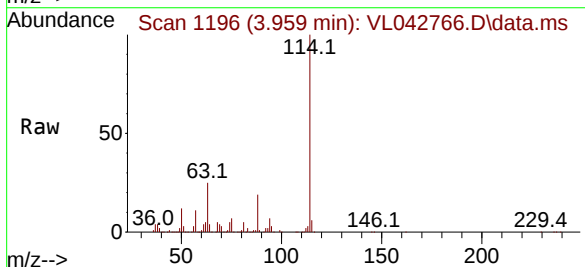
Instrument :
MSVOA_L
ClientSampleId :

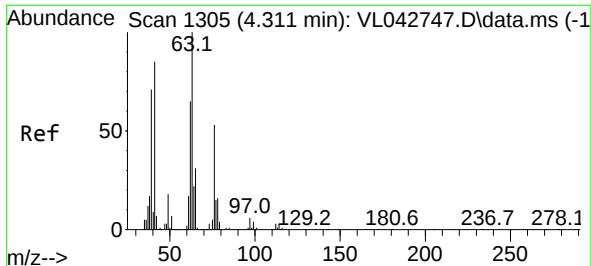
Tgt Ion: 57 Resp: 13254
Ion Ratio Lower Upper
57 100
41 101.1 75.4 113.2
43 74.3 185.0 277.6#
56 57.9 42.9 64.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 114 Resp: 406624
Ion Ratio Lower Upper
114 100
63 25.9 20.5 30.7
88 18.2 14.0 21.0





#39

1,2-Dichloropropane

Concen: 7.397 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042766.D

Acq: 24 Jul 2025 15:40

Instrument :

MSVOA_L

ClientSampleId :

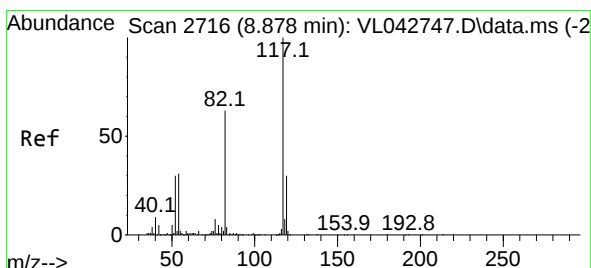
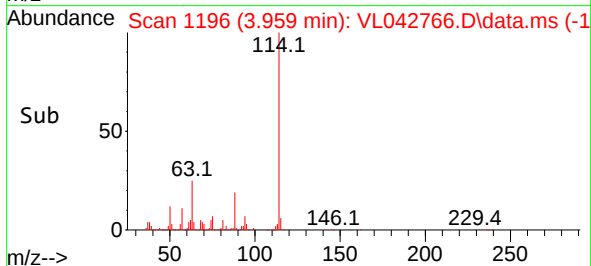
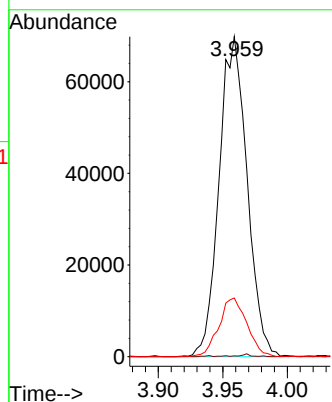
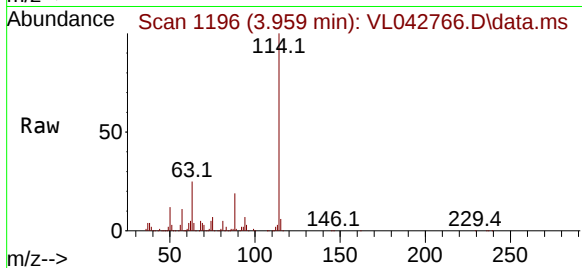
Tgt Ion: 63 Resp: 105225

Ion Ratio Lower Upper

63 100

41 0.1 68.2 102.4#

62 18.3 52.0 78.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.007 min

Lab File: VL042766.D

Acq: 24 Jul 2025 15:40

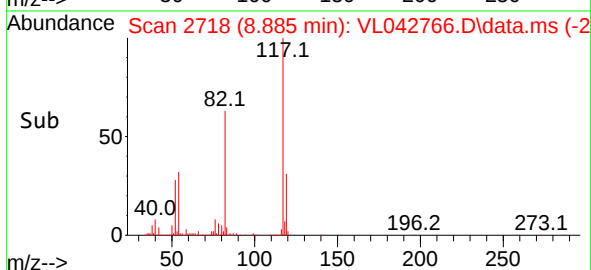
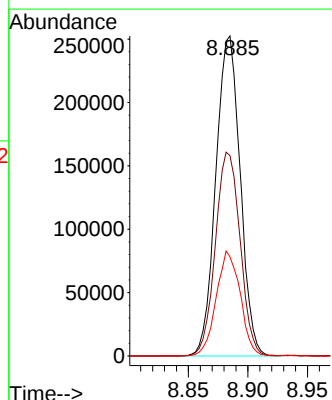
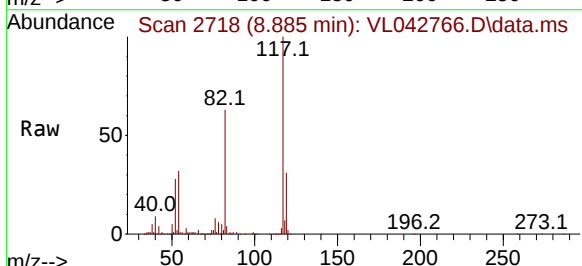
Tgt Ion: 117 Resp: 359050

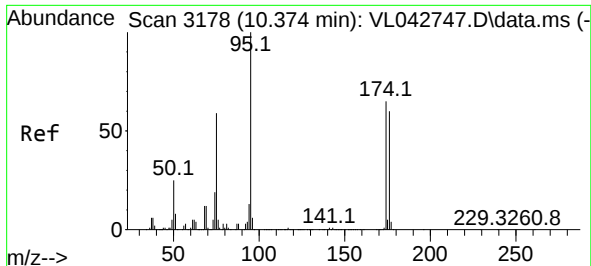
Ion Ratio Lower Upper

117 100

82 64.7 53.3 79.9

119 32.4 25.8 38.6

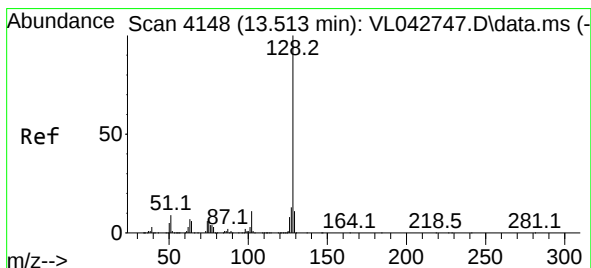
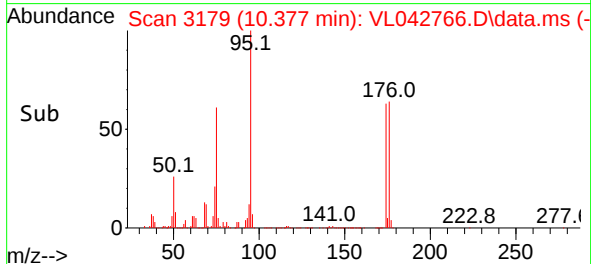
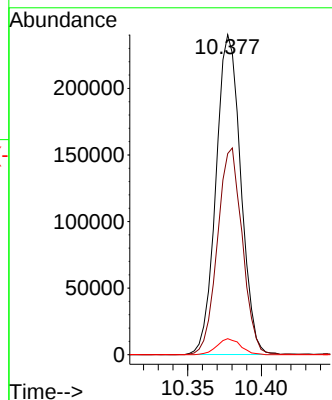
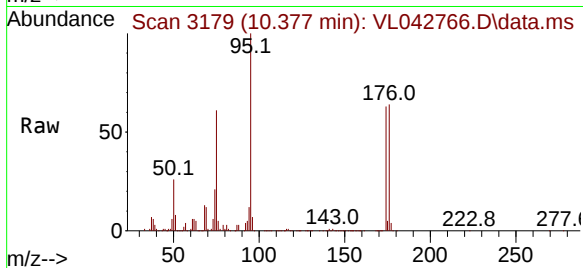




#68
1-Bromo-4-Fluorobenzene
Concen: 9.883 ppbv
RT: 10.377 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

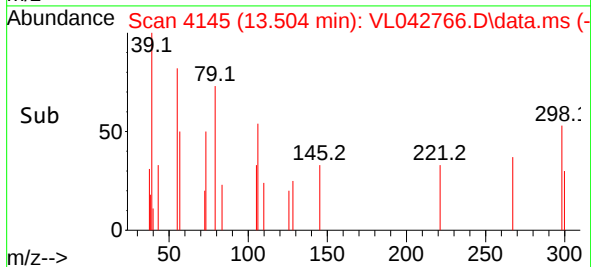
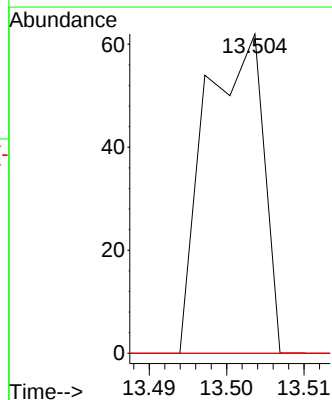
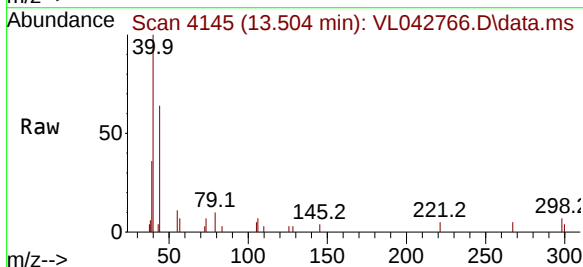
Instrument :
MSVOA_L
ClientSampleId :

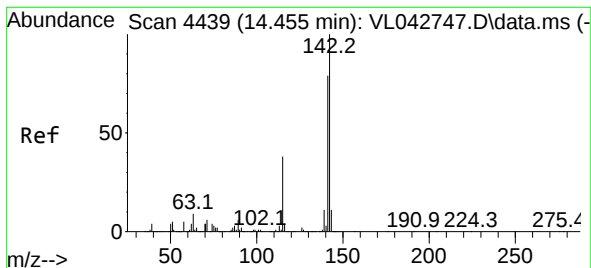
Tgt Ion: 95 Resp: 281008
Ion Ratio Lower Upper
95 100
174 64.9 53.8 80.6
175 4.8 4.0 6.0



#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.504 min Scan# 4145
Delta R.T. -0.010 min
Lab File: VL042766.D
Acq: 24 Jul 2025 15:40

Tgt Ion: 128 Resp: 32
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#





#80

Naphthalene, 2-methyl-

Concen: 1.130 ppbv

RT: 14.552 min Scan# 4439

Delta R.T. 0.097 min

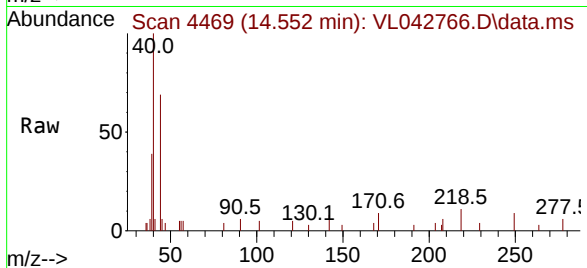
Lab File: VL042766.D

Acq: 24 Jul 2025 15:40

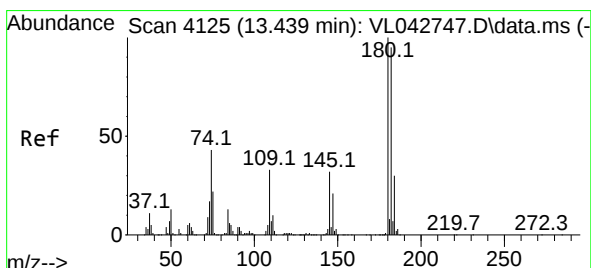
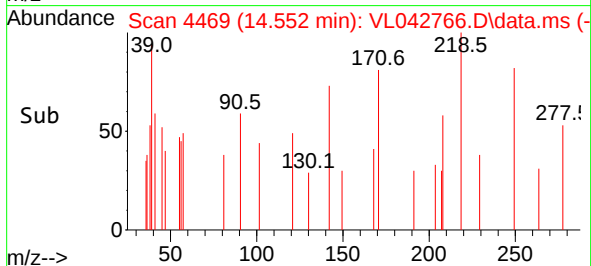
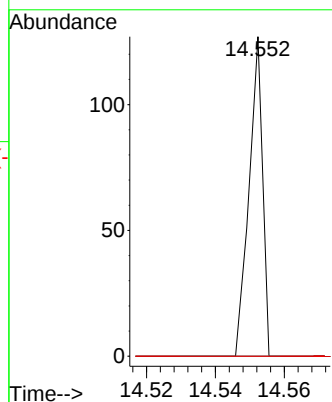
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	142	Resp:	35
Ion	Ratio	Lower	Upper
142	100		
141	0.0	65.8	98.8#
115	28.6	31.2	46.8#



#81

1,2,4-Trichlorobenzene

Concen: 0.436 ppbv

RT: 13.439 min Scan# 4125

Delta R.T. 0.000 min

Lab File: VL042766.D

Acq: 24 Jul 2025 15:40

Tgt Ion:	180	Resp:	28
Ion	Ratio	Lower	Upper
180	100		
182	264.3	76.2	114.2#
184	0.0	24.8	37.2#

