

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042390.D
 Acq On : 18 Apr 2025 14:14
 Operator : SY/MD
 Sample : Q1726-03DL2 100X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-03312025DL2

Quant Time: Apr 18 22:59:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

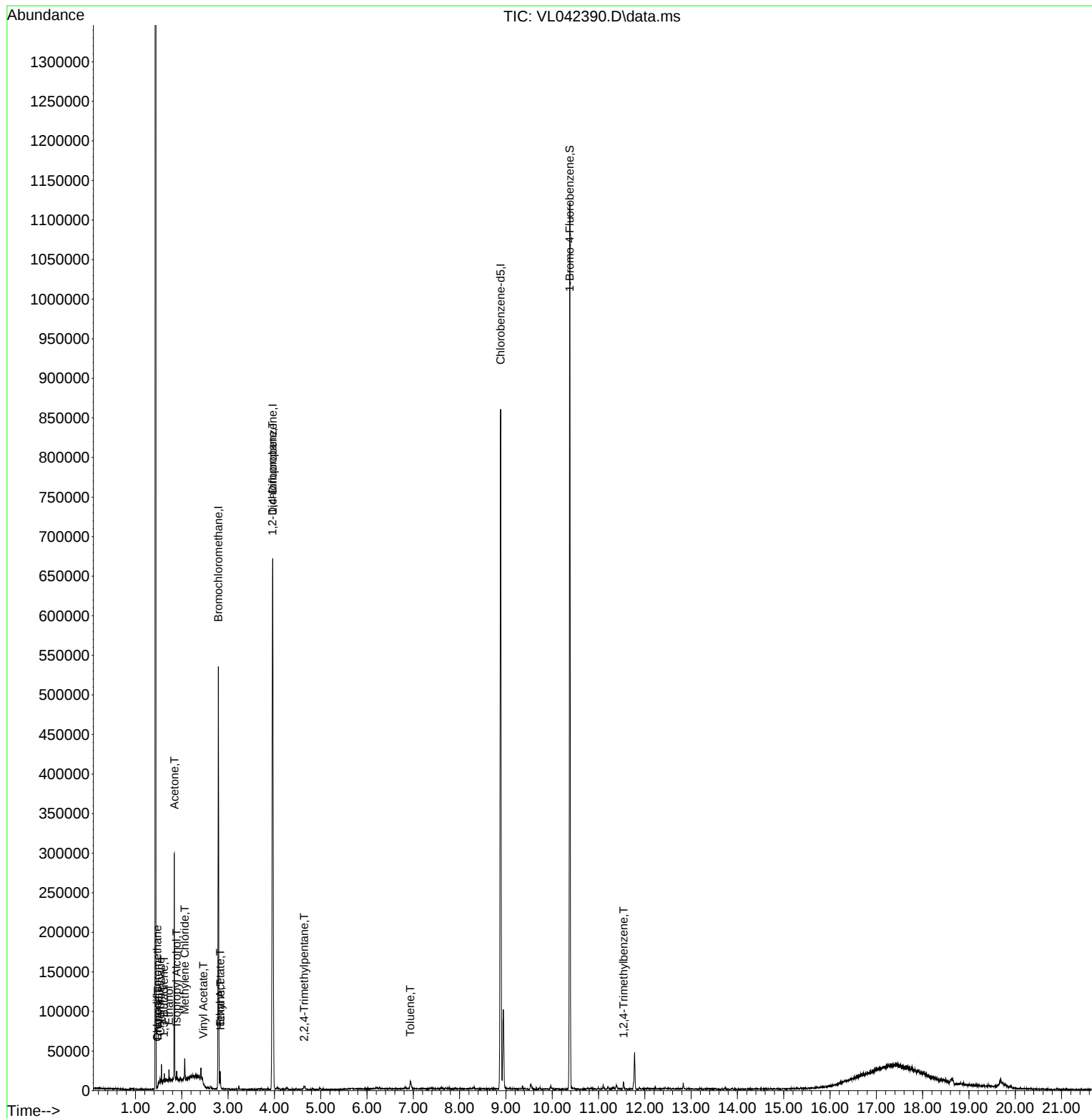
Internal Standards						
1) Bromochloromethane	2.790	49	127324	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	395389	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	342875	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	281379	9.987	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.470	51	787	0.037	ppbv #	74
4) Chloromethane	1.534	50	328	0.037	ppbv	97
9) Propene	1.486	41	703	0.072	ppbv #	49
13) Ethanol	1.722	45	3867	2.494	ppbv #	24
15) Acetone	1.839	43	126935	6.090	ppbv	97
16) 1,3-Butadiene	1.615	39	316	0.032	ppbv #	9
19) Isopropyl Alcohol	1.887	45	4184	0.361	ppbv #	1
20) Methylene Chloride	2.065	84	4377	0.536	ppbv #	83
23) Vinyl Acetate	2.463	43	455	0.054	ppbv #	75
25) Ethyl Acetate	2.829	43	3091	0.060	ppbv #	74
26) Hexane	2.832	57	4666	0.224	ppbv #	31
39) 1,2-Dichloropropane	3.959	63	102018	6.419	ppbv #	22
44) 2,2,4-Trimethylpentane	4.645	57	2268	0.031	ppbv #	11
53) Toluene	6.936	91	4094	0.080	ppbv #	43
74) 1,2,4-Trimethylbenzene	11.542	105	3706	0.053	ppbv #	56

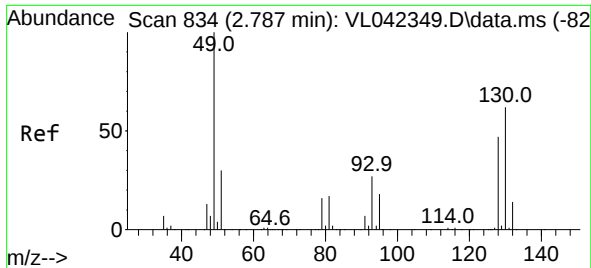
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
IA-B2-2-03312025DL2

Quant Time: Apr 18 22:59:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

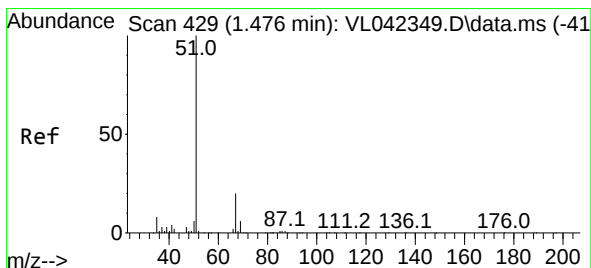
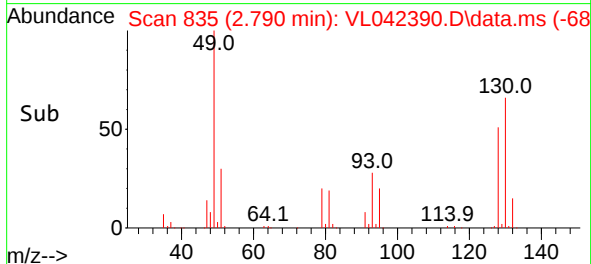
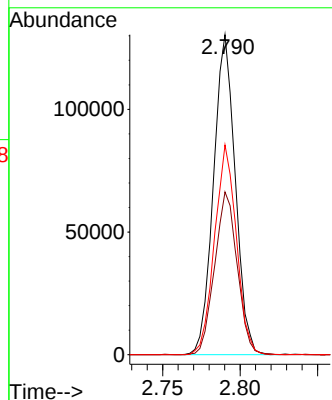
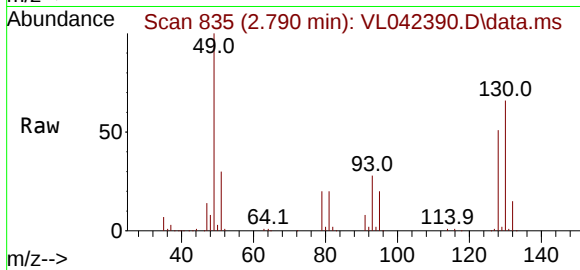




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

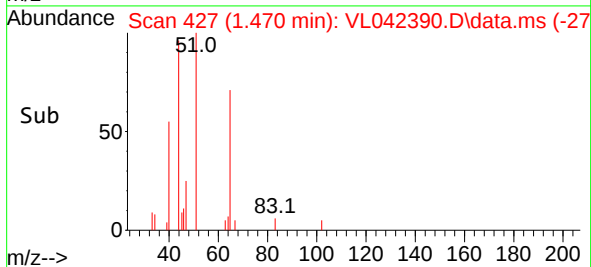
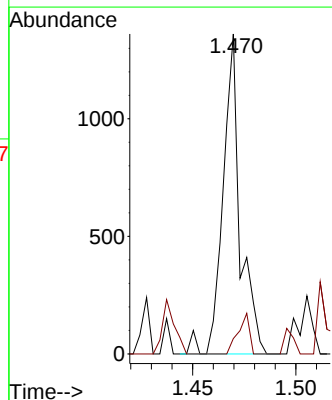
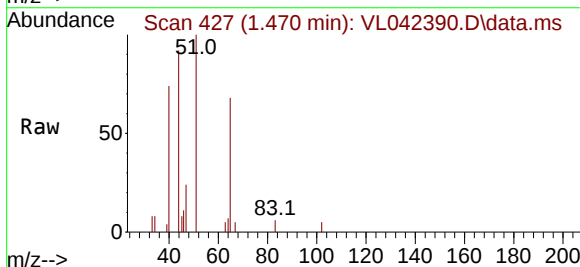
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL2

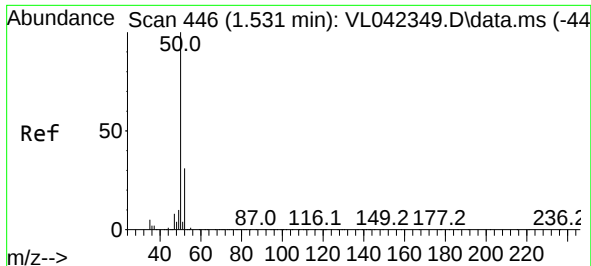
Tgt Ion: 49 Resp: 127324
Ion Ratio Lower Upper
49 100
128 52.6 22.8 68.4
130 65.9 29.3 88.0



#3
Chlorodifluoromethane
Concen: 0.037 ppbv
RT: 1.470 min Scan# 427
Delta R.T. -0.006 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

Tgt Ion: 51 Resp: 787
Ion Ratio Lower Upper
51 100
67 8.3 16.2 24.4#

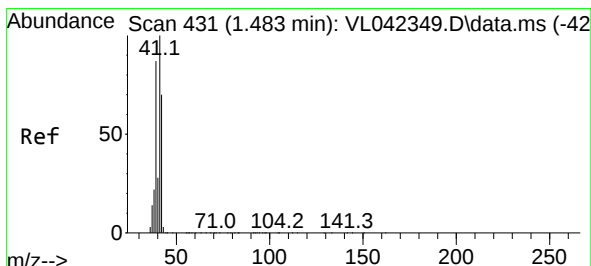
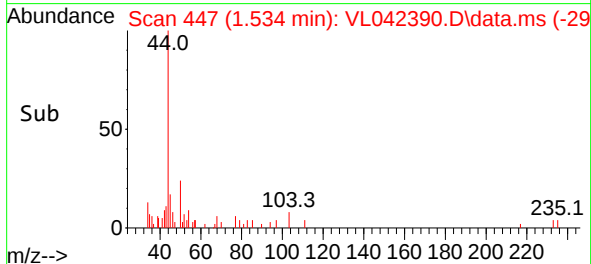
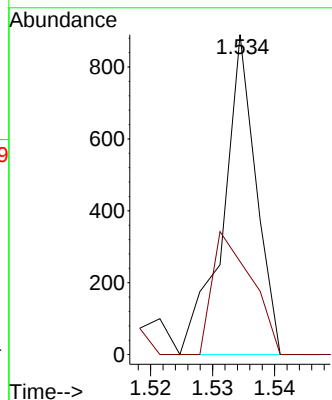
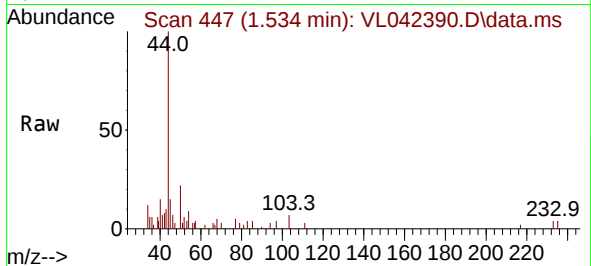




#4
Chloromethane
Concen: 0.037 ppbv
RT: 1.534 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

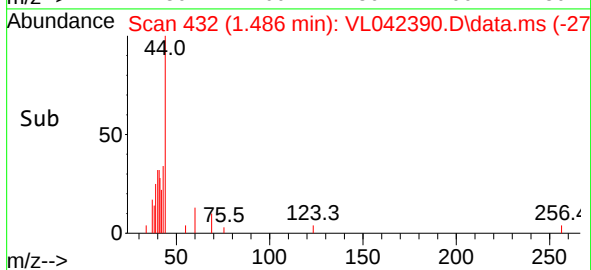
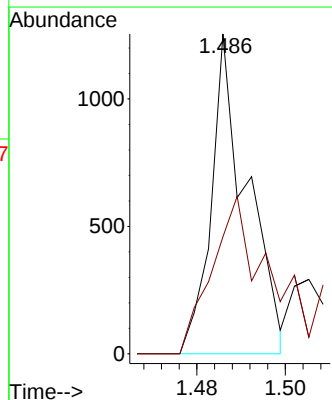
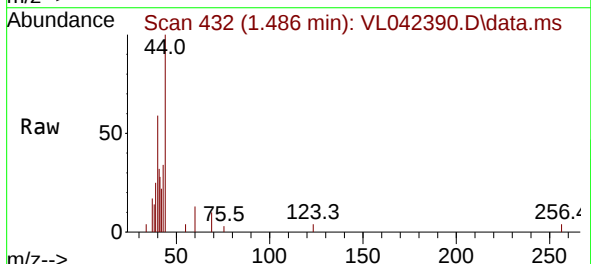
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL2

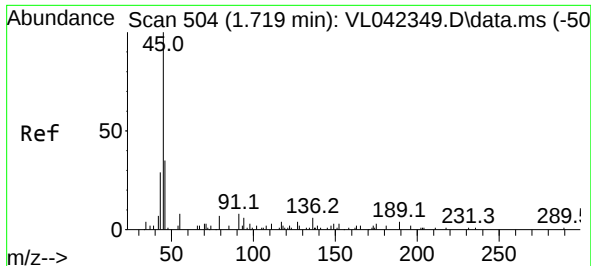
Tgt Ion: 50 Resp: 328
Ion Ratio Lower Upper
50 100
52 29.1 24.7 37.1



#9
Propene
Concen: 0.072 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

Tgt Ion: 41 Resp: 703
Ion Ratio Lower Upper
41 100
42 112.1 56.2 84.4#

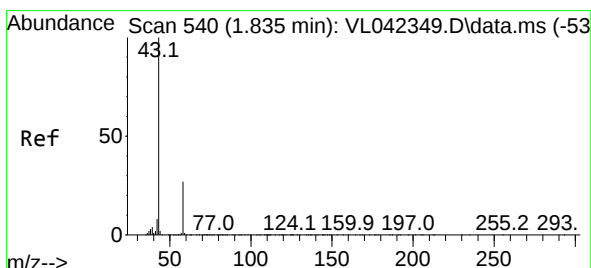
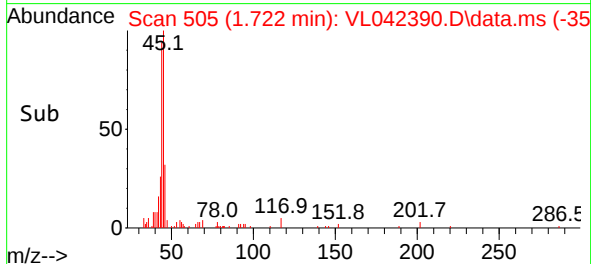
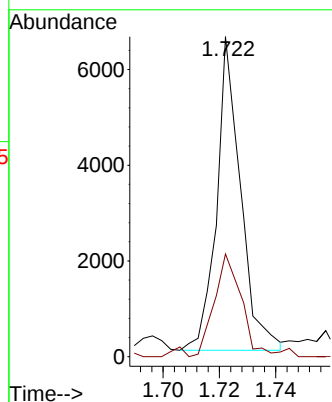
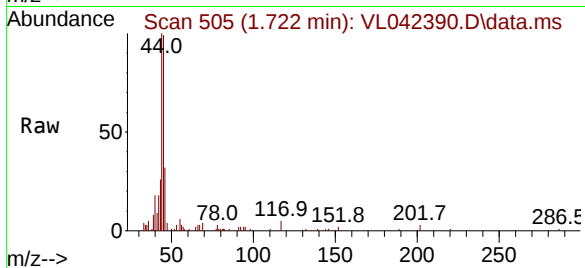




#13
 Ethanol
 Concen: 2.494 ppbv
 RT: 1.722 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VL042390.D
 Acq: 18 Apr 2025 14:14

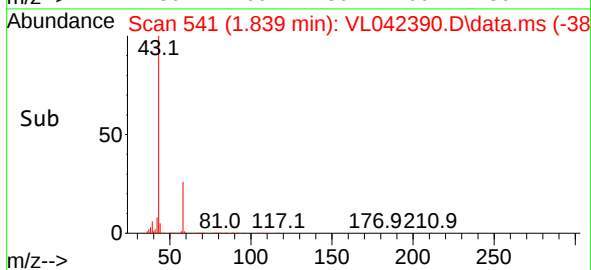
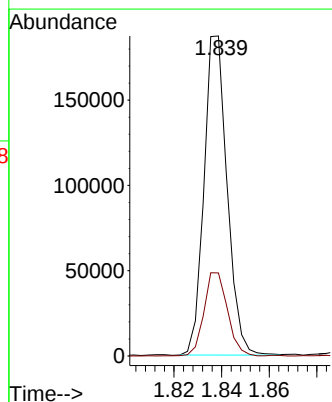
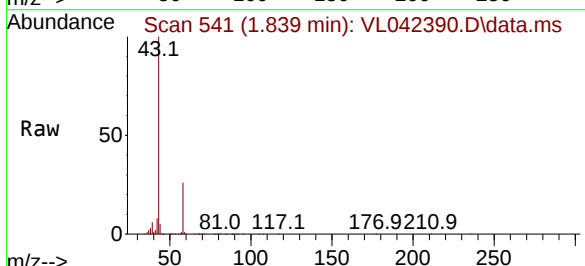
Instrument :
 MSVOA_1
 ClientSampleId :
 IA-B2-2-03312025DL2

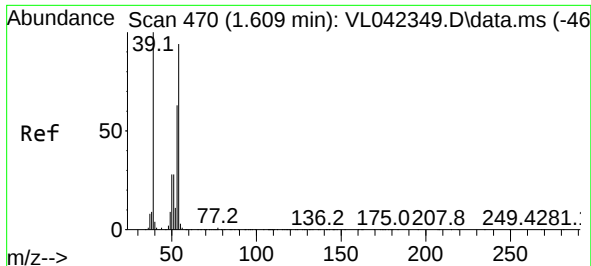
Tgt Ion: 45 Resp: 3867
 Ion Ratio Lower Upper
 45 100
 46 0.0 21.9 87.7#



#15
 Acetone
 Concen: 6.090 ppbv
 RT: 1.839 min Scan# 541
 Delta R.T. 0.003 min
 Lab File: VL042390.D
 Acq: 18 Apr 2025 14:14

Tgt Ion: 43 Resp: 126935
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.4 33.6





#16

1,3-Butadiene

Concen: 0.032 ppbv

RT: 1.615 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL042390.D

Acq: 18 Apr 2025 14:14

Instrument :

MSVOA_L

ClientSampleId :

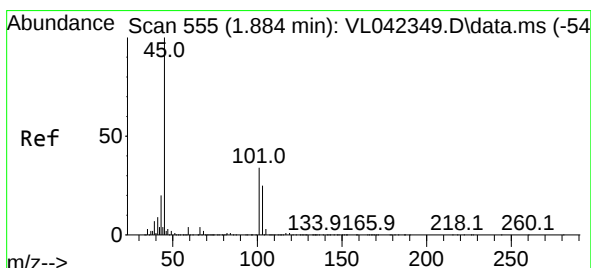
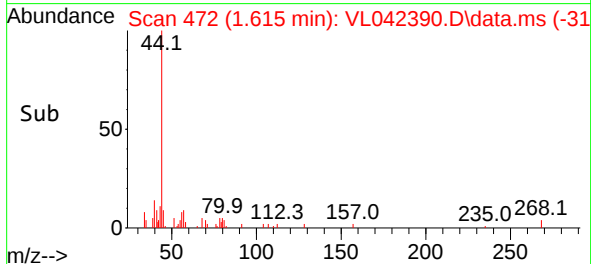
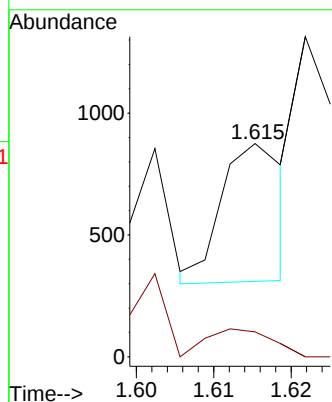
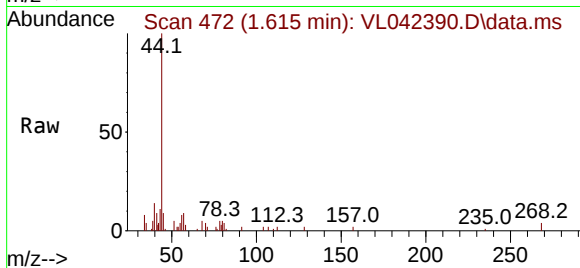
IA-B2-2-03312025DL2

Tgt Ion: 39 Resp: 316

Ion Ratio Lower Upper

39 100

54 0.0 64.9 97.3#



#19

Isopropyl Alcohol

Concen: 0.361 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL042390.D

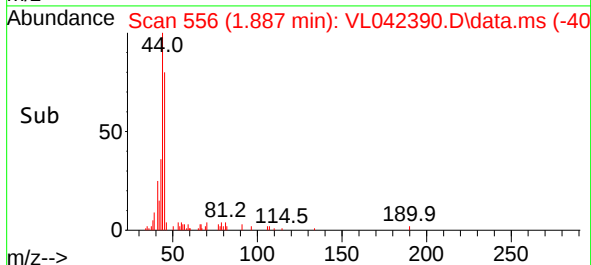
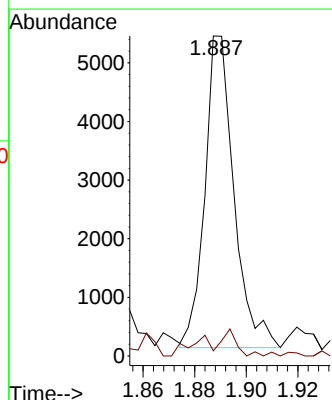
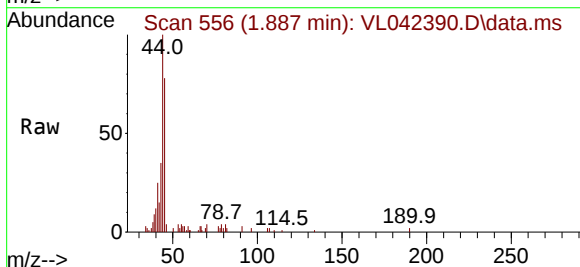
Acq: 18 Apr 2025 14:14

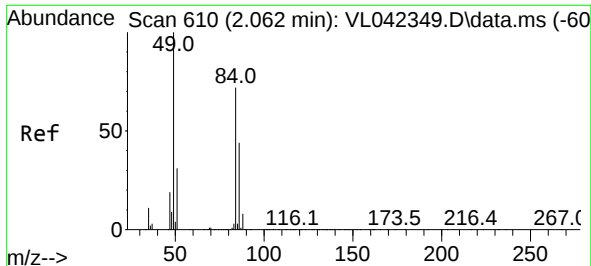
Tgt Ion: 45 Resp: 4184

Ion Ratio Lower Upper

45 100

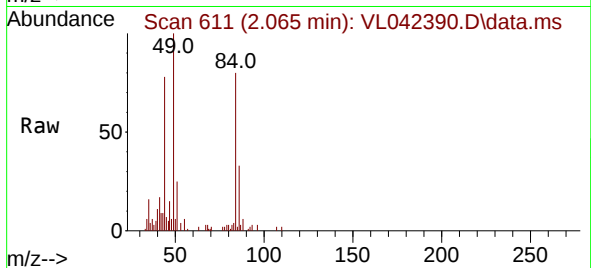
58 808.7 34.5 51.7#



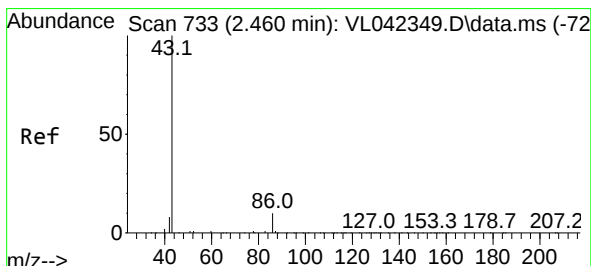
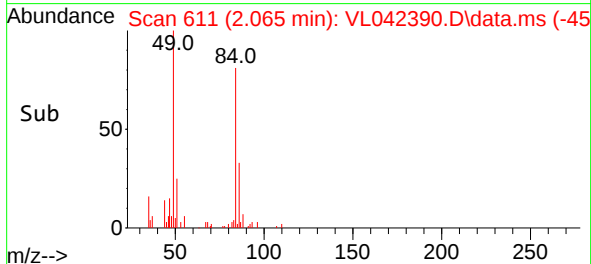
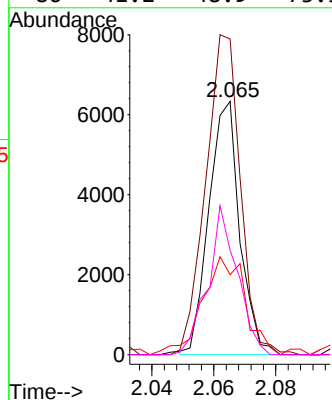


#20
Methylene Chloride
Concen: 0.536 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL2

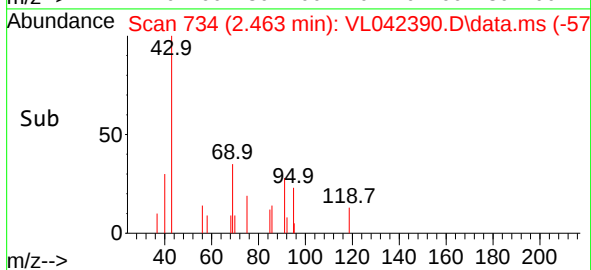
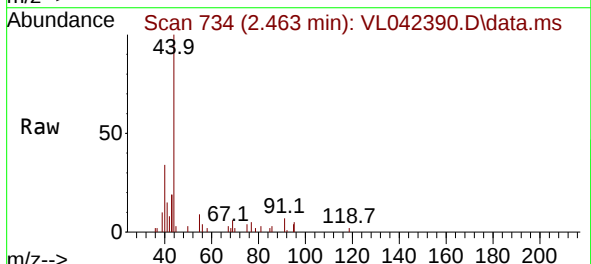
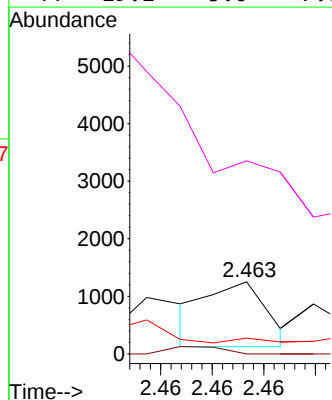


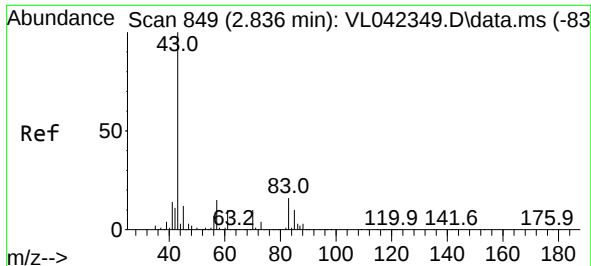
Tgt Ion: 84	Resp: 4377
Ion Ratio	Lower Upper
84 100	
49 123.6	111.6 167.4
51 31.6	35.1 52.7#
86 41.2	48.9 73.3#



#23
Vinyl Acetate
Concen: 0.054 ppbv
RT: 2.463 min Scan# 734
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

Tgt Ion: 43	Resp: 455
Ion Ratio	Lower Upper
43 100	
86 0.0	6.5 9.7#
42 2.6	7.8 11.8#
44 19.1	5.0 7.6#

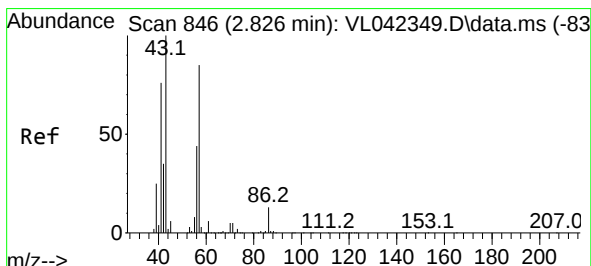
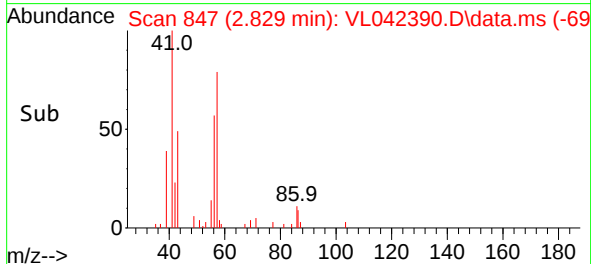
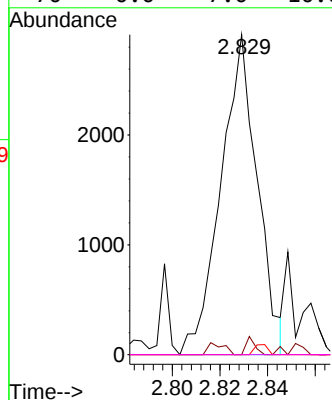
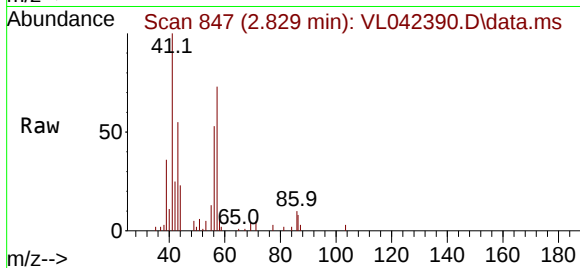




#25
Ethyl Acetate
Concen: 0.060 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.006 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

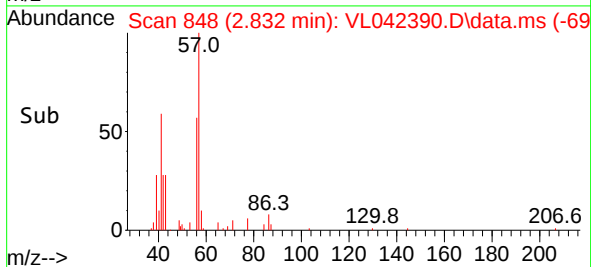
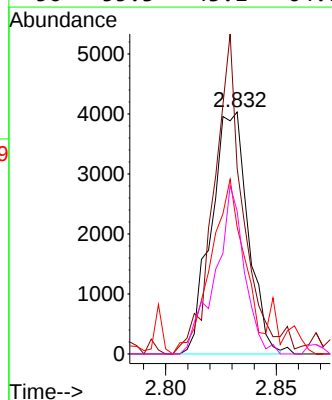
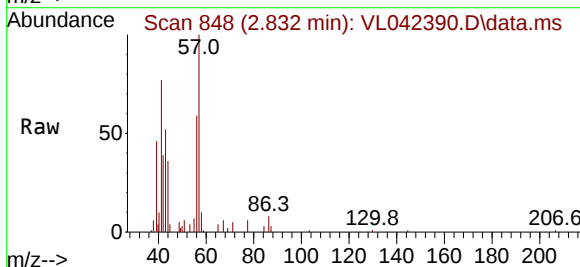
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL2

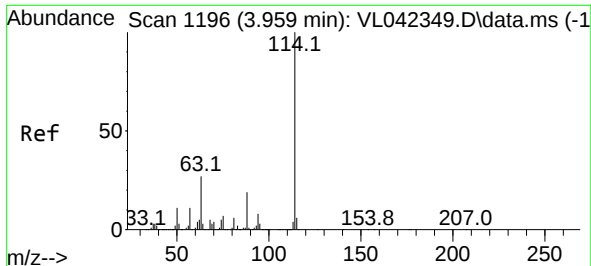
Tgt Ion: 43	Resp: 3091
Ion Ratio	Lower Upper
43 100	
45 0.0	8.3 12.5#
61 0.0	7.3 10.9#
70 0.0	7.0 10.6#



#26
Hexane
Concen: 0.224 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

Tgt Ion: 57	Resp: 4666
Ion Ratio	Lower Upper
57 100	
41 114.9	77.9 116.9
43 78.0	208.4 312.6#
56 55.3	43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.003 min

Lab File: VL042390.D

Acq: 18 Apr 2025 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-03312025DL2

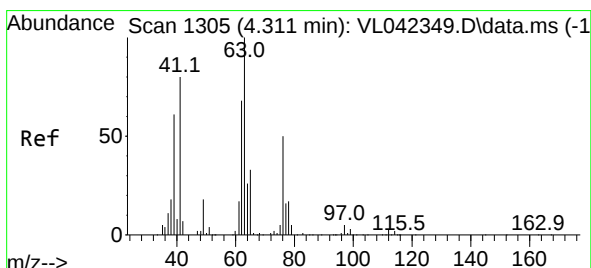
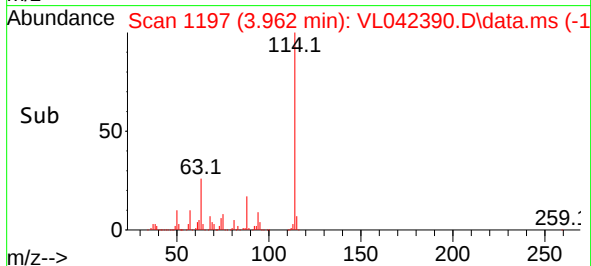
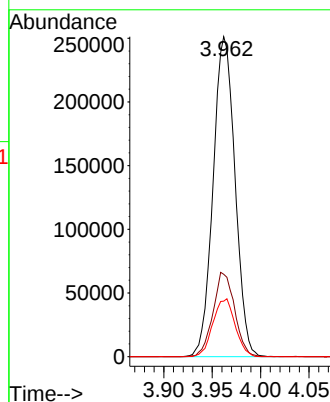
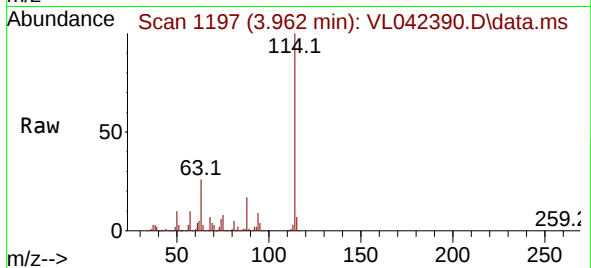
Tgt Ion:114 Resp: 395389

Ion Ratio Lower Upper

114 100

63 26.0 21.8 32.6

88 18.4 15.5 23.3



#39

1,2-Dichloropropane

Concen: 6.419 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.353 min

Lab File: VL042390.D

Acq: 18 Apr 2025 14:14

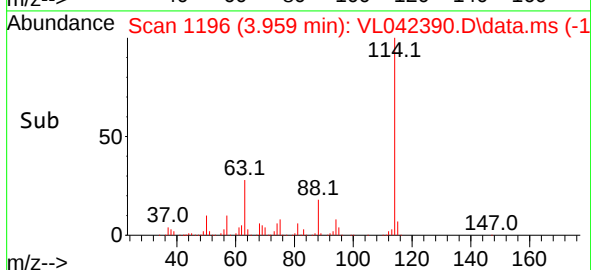
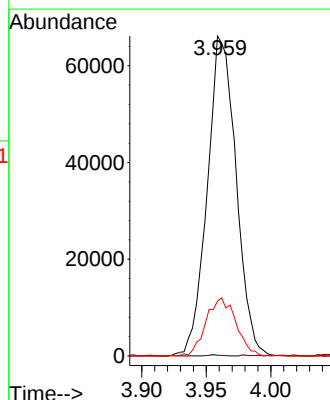
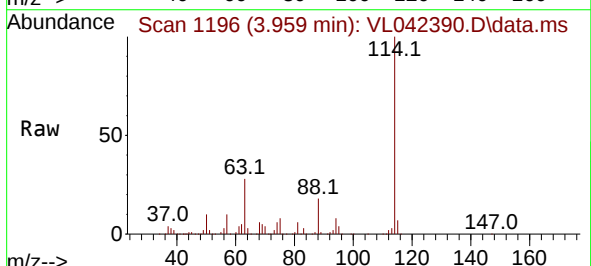
Tgt Ion: 63 Resp: 102018

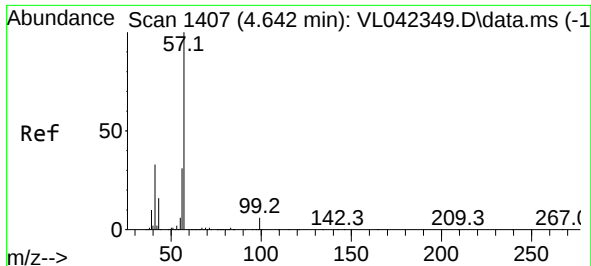
Ion Ratio Lower Upper

63 100

41 0.3 64.2 96.2#

62 17.0 54.3 81.5#

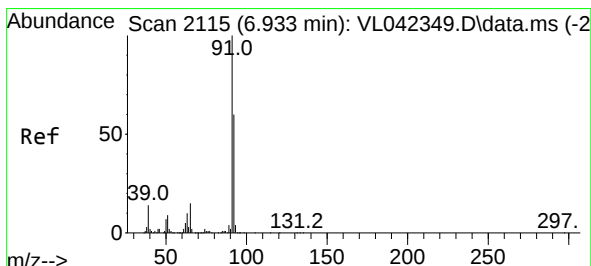
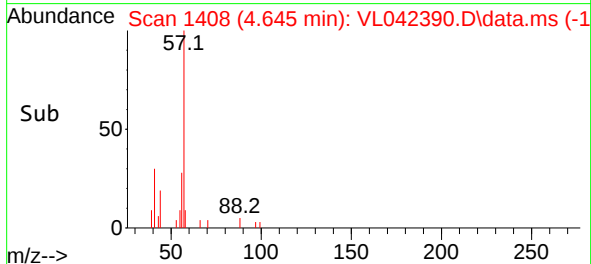
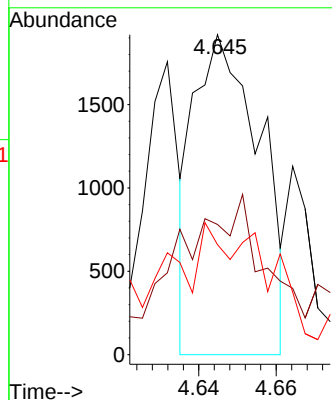
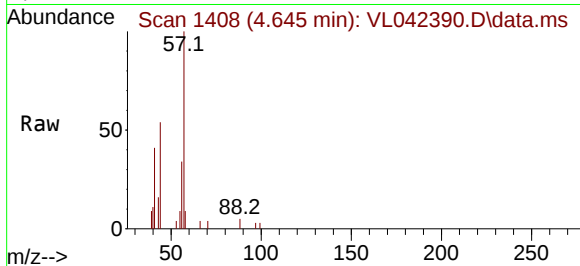




#44
2,2,4-Trimethylpentane
Concen: 0.031 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

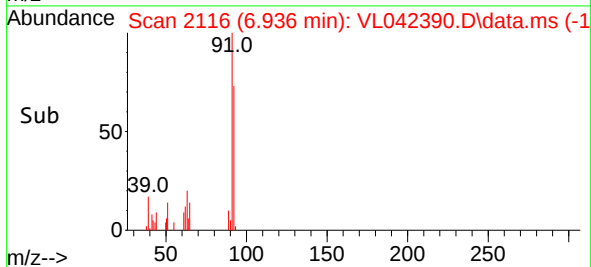
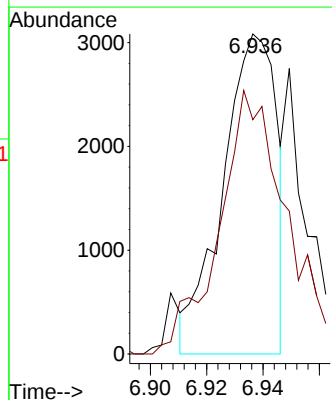
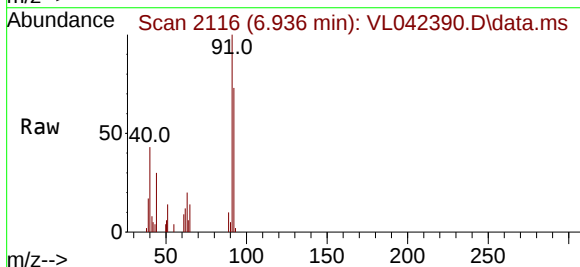
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL2

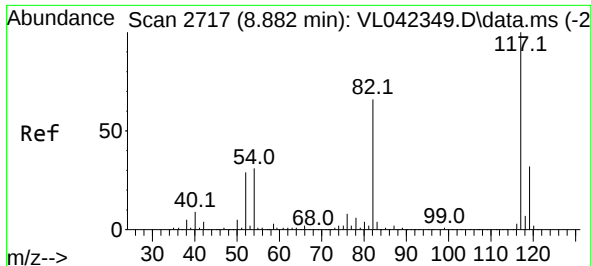
Tgt Ion: 57 Resp: 2268
Ion Ratio Lower Upper
57 100
41 83.2 27.2 40.8#
56 83.0 25.7 38.5#



#53
Toluene
Concen: 0.080 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

Tgt Ion: 91 Resp: 4094
Ion Ratio Lower Upper
91 100
92 103.5 48.2 72.4#

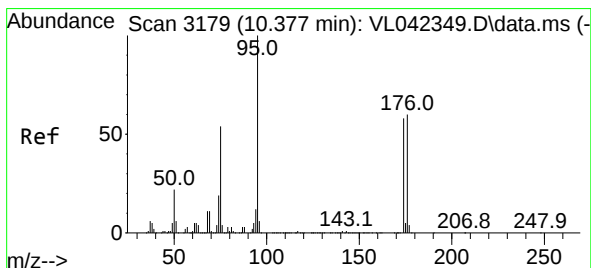
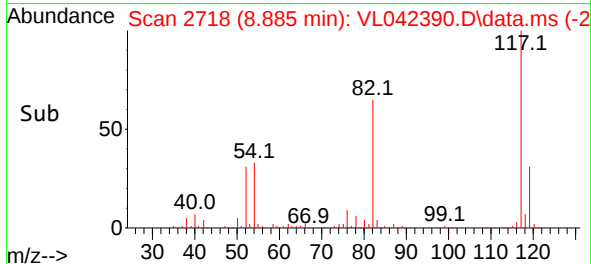
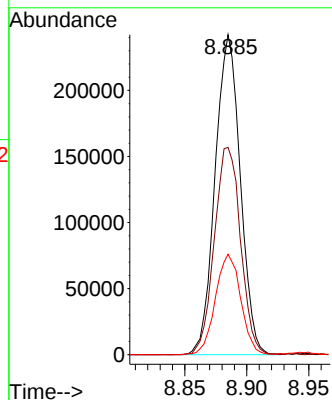
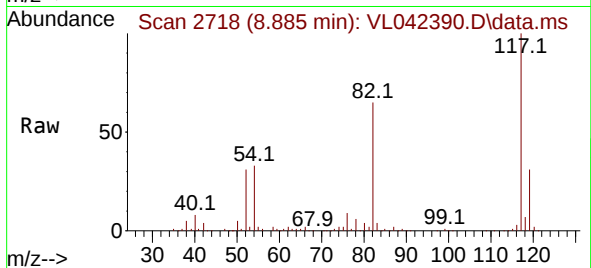




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

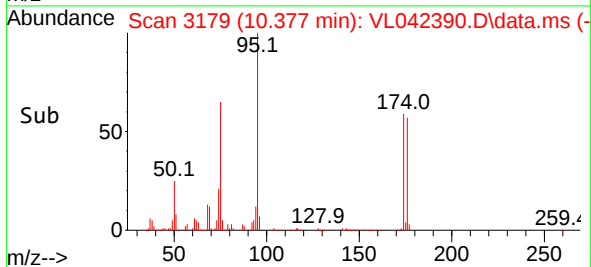
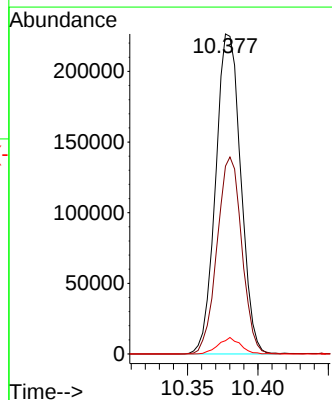
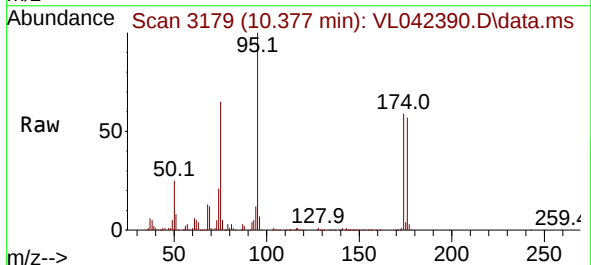
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL2

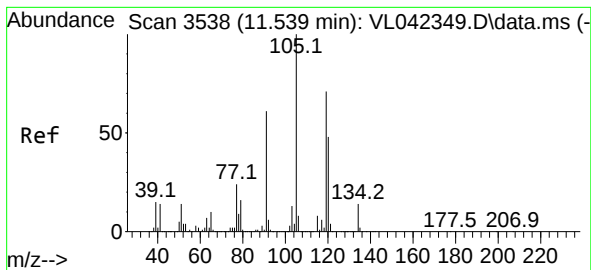
Tgt Ion:117 Resp: 342875
Ion Ratio Lower Upper
117 100
82 67.7 57.8 86.6
119 31.6 25.2 37.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.987 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042390.D
Acq: 18 Apr 2025 14:14

Tgt Ion: 95 Resp: 281379
Ion Ratio Lower Upper
95 100
174 60.5 48.5 72.7
175 4.5 3.7 5.5





#74

1,2,4-Trimethylbenzene

Concen: 0.053 ppbv

RT: 11.542 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042390.D

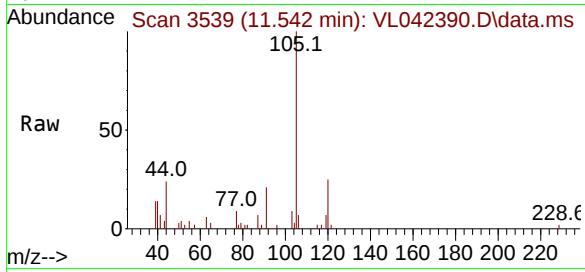
Acq: 18 Apr 2025 14:14

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-03312025DL2



Tgt Ion:	105	Resp:	3706
Ion	Ratio	Lower	Upper
105	100		
120	24.6	38.1	57.1#
91	18.9	48.8	73.2#
77	6.6	19.0	28.4#

