

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042406.D
 Acq On : 21 Apr 2025 15:49
 Operator : SY/MD
 Sample : Q1843-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:55:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 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	2.787	49	119466	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	339990	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	287351	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	249070	10.548	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.500%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	2213	0.105	ppbv	92
4) Chloromethane	1.531	50	1103	0.132	ppbv #	79
9) Propene	1.489	41	26767m	2.924	ppbv	
13) Ethanol	1.722	45	12319	8.467	ppbv #	24
15) Acetone	1.835	43	215496	11.019	ppbv	96
19) Isopropyl Alcohol	1.887	45	30893	2.844	ppbv #	1
20) Methylene Chloride	2.062	84	2720	0.355	ppbv	93
26) Hexane	2.826	57	91195	4.673	ppbv #	32

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

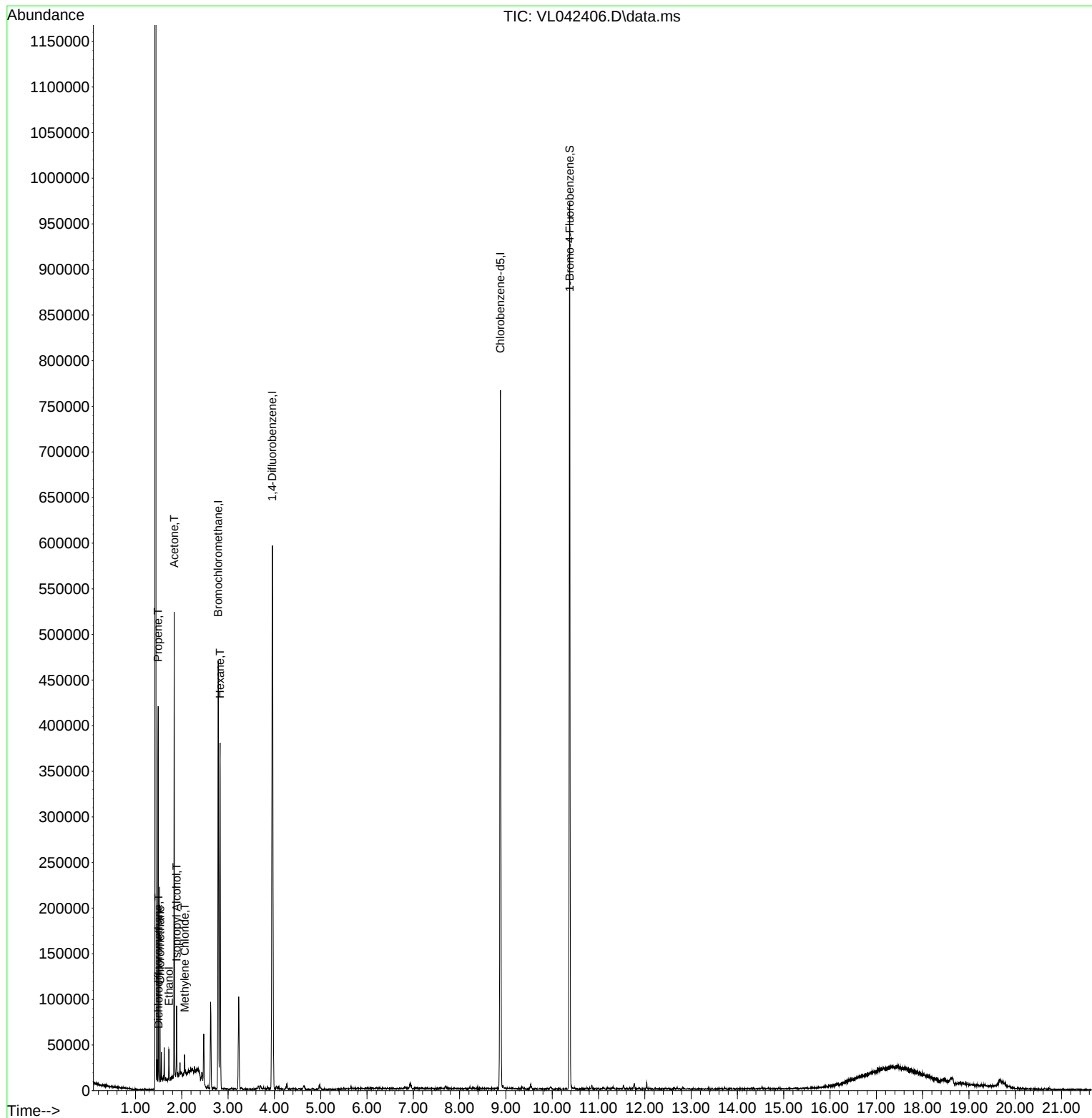
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
Data File : VL042406.D
Acq On : 21 Apr 2025 15:49
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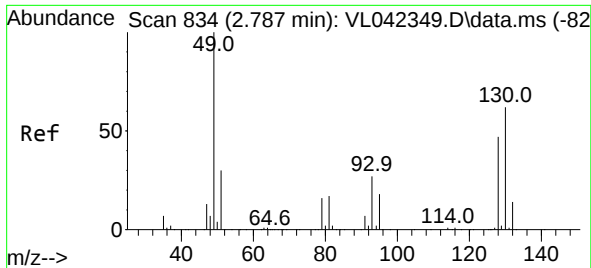
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Apr 18 02:14:00 2025
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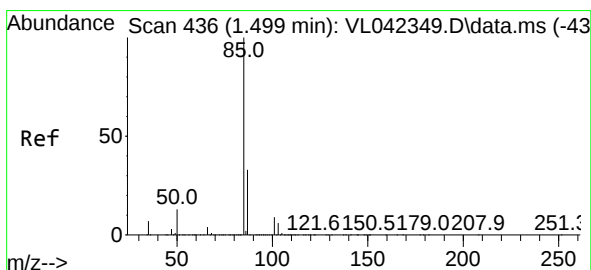
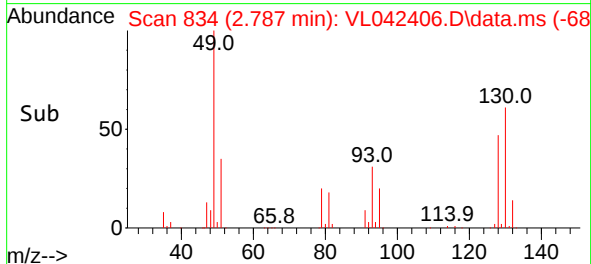
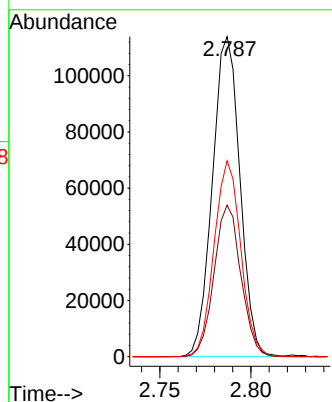
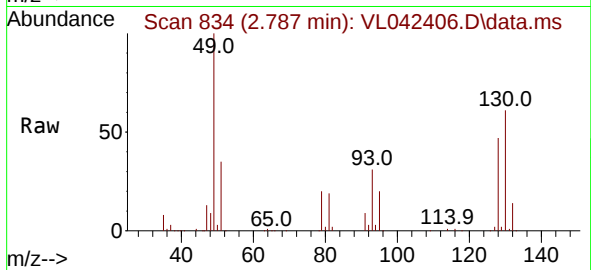
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 119460
Ion Ratio Lower Upper
49 100
128 46.1 22.8 68.4
130 59.4 29.3 88.0

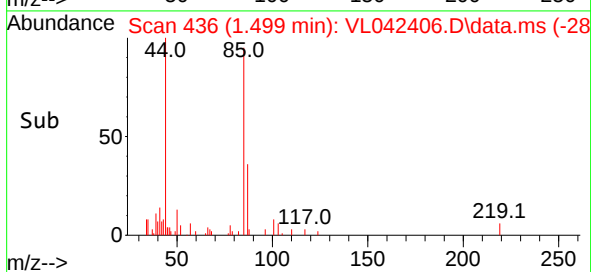
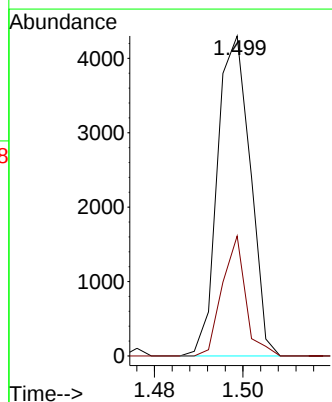
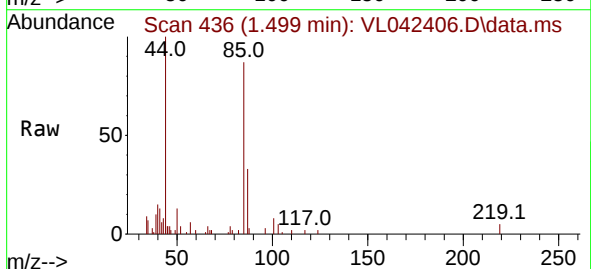
Manual Integrations
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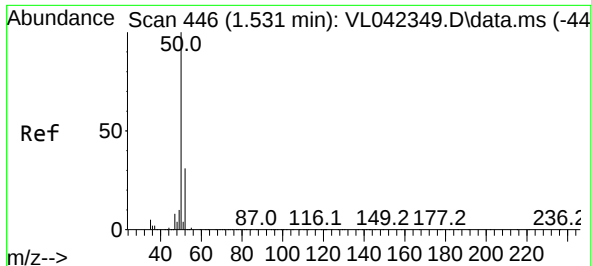
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#2
Dichlorodifluoromethane
Concen: 0.105 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

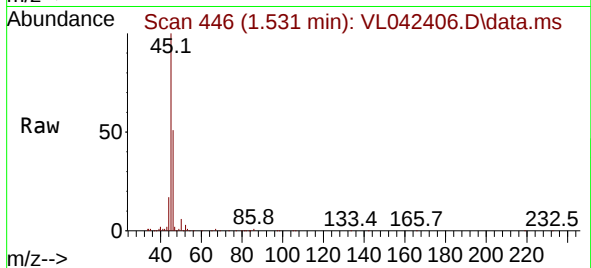
Tgt Ion: 85 Resp: 2213
Ion Ratio Lower Upper
85 100
87 37.5 26.6 39.8





#4
Chloromethane
Concen: 0.132 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

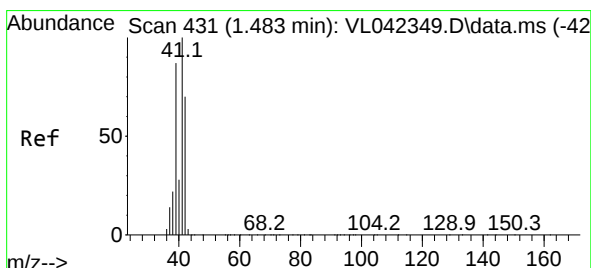
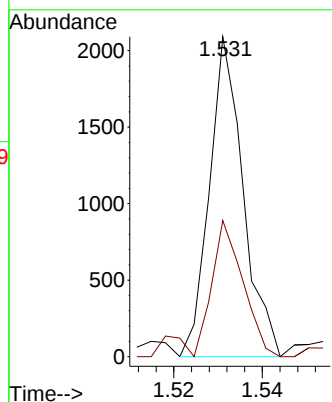
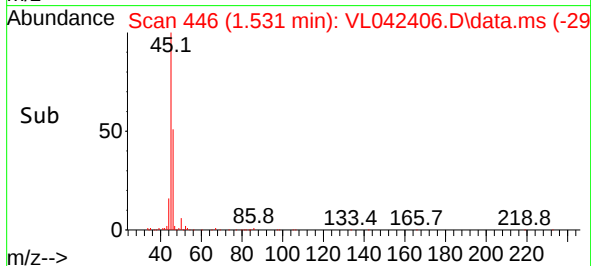
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



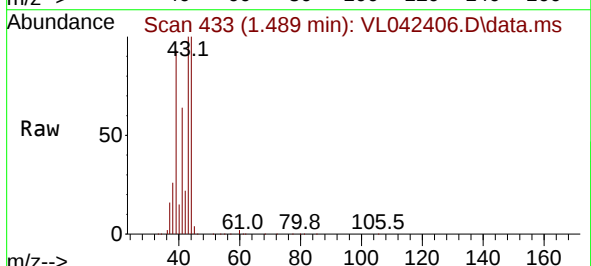
Tgt Ion: 50 Resp: 110
Ion Ratio Lower Upper
50 100
52 42.6 24.7 37.1

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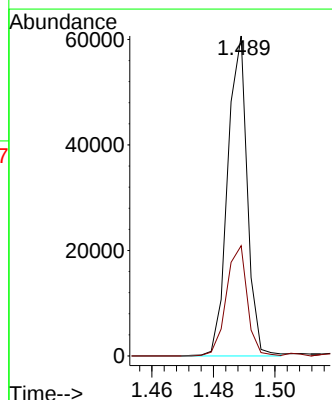
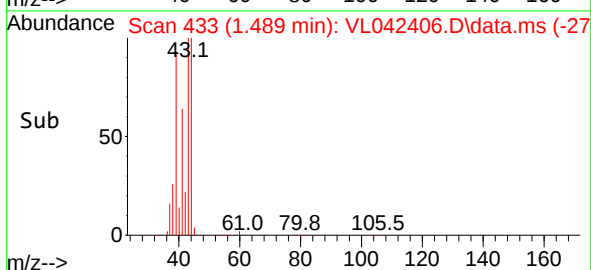
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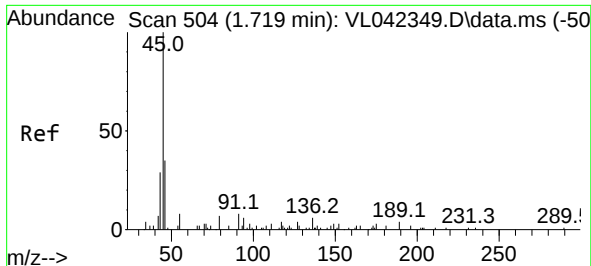


#9
Propene
Concen: 2.924 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49



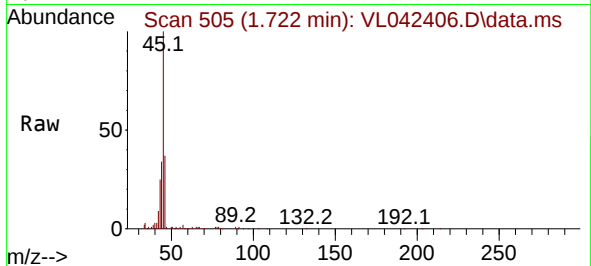
Tgt Ion: 41 Resp: 26767
Ion Ratio Lower Upper
41 100
42 8.7 56.2 84.4





#13
Ethanol
Concen: 8.467 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

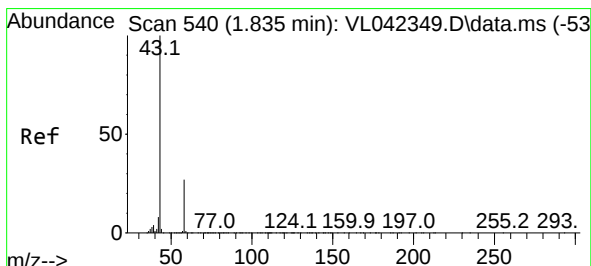
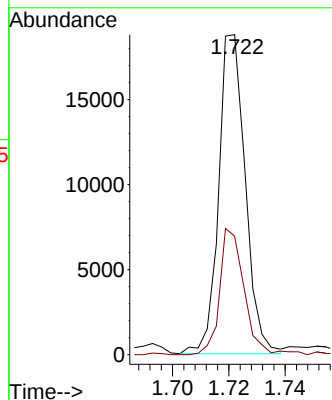
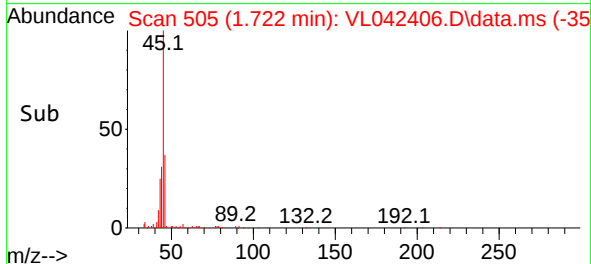
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



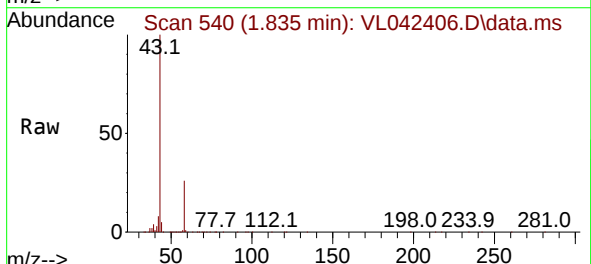
Tgt Ion: 45 Resp: 12319
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7

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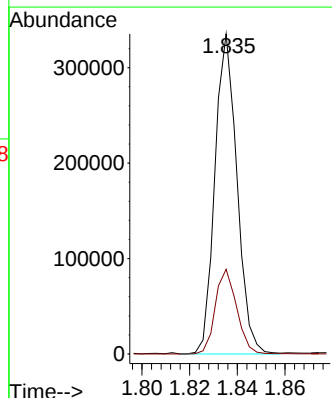
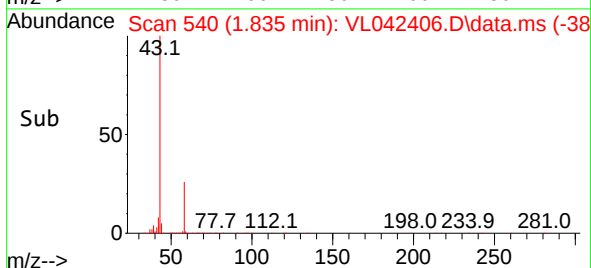
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025

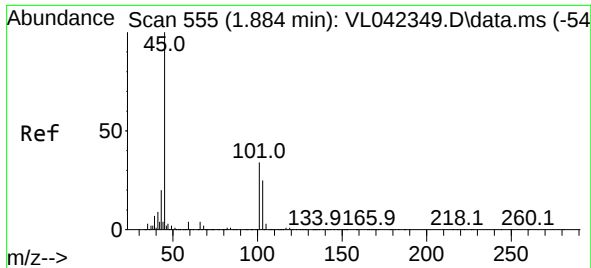


#15
Acetone
Concen: 11.019 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49



Tgt Ion: 43 Resp: 215496
Ion Ratio Lower Upper
43 100
58 25.7 22.4 33.6





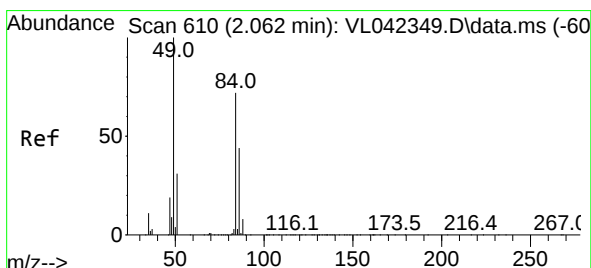
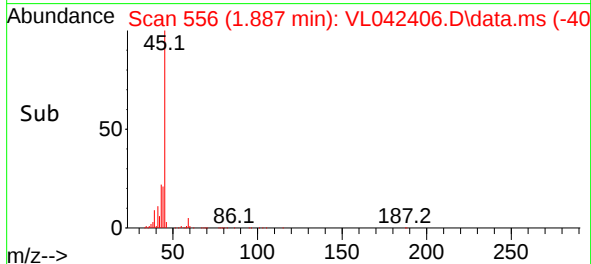
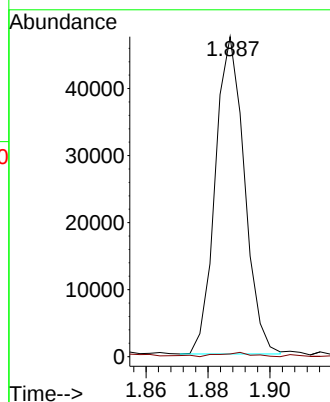
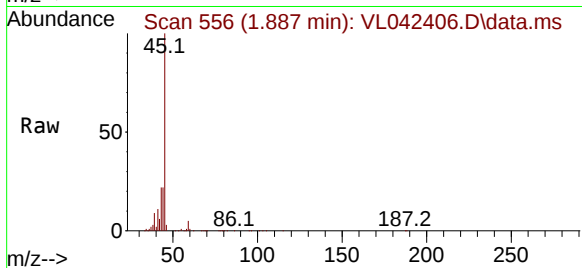
#19
Isopropyl Alcohol
Concen: 2.844 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 3089
Ion Ratio Lower Upper
45 100
58 179.0 34.5 51.7

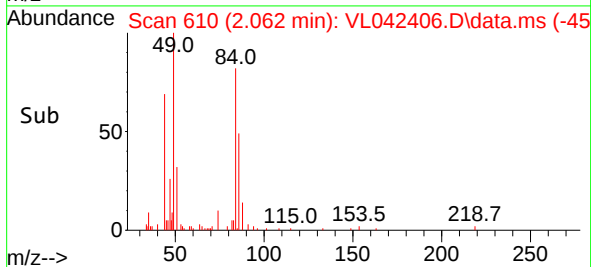
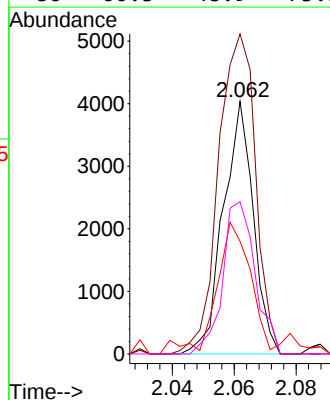
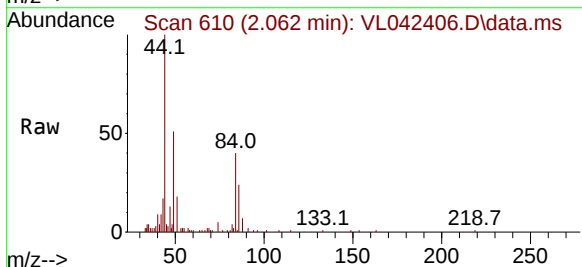
Manual Integrations
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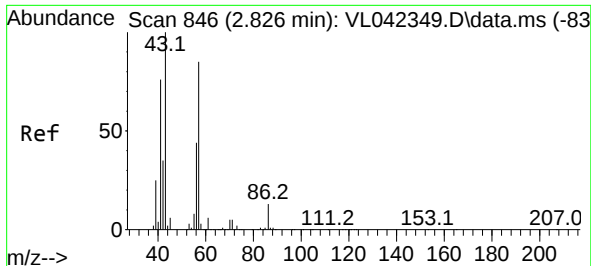
Reviewed By :Semsettin Yesilyurt 04/22/2025
Supervised By :Mahesh Dadoda 04/22/2025



#20
Methylene Chloride
Concen: 0.355 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

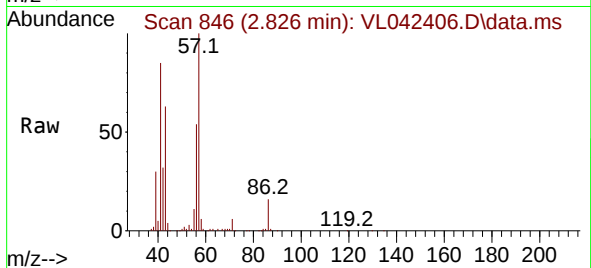
Tgt Ion: 84 Resp: 2720
Ion Ratio Lower Upper
84 100
49 126.7 111.6 167.4
51 41.6 35.1 52.7
86 60.3 48.9 73.3





#26
Hexane
Concen: 4.673 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.000 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

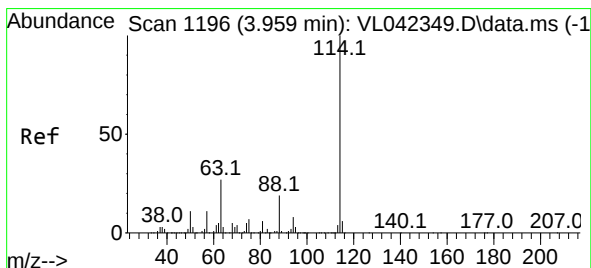
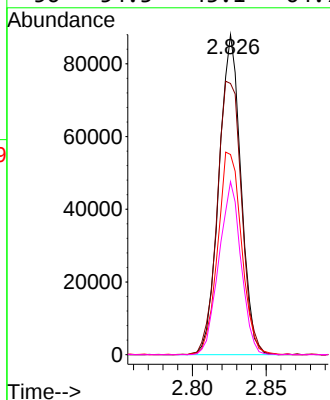
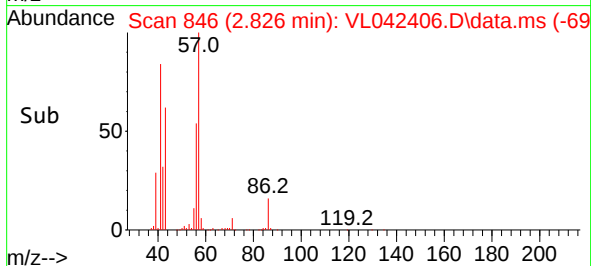
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



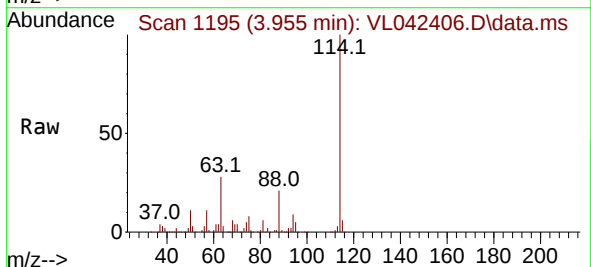
Tgt Ion: 57 Resp: 91199
Ion Ratio Lower Upper
57 100
41 95.6 77.9 116.9
43 68.9 208.4 312.6
56 54.3 43.1 64.7

Manual Integrations
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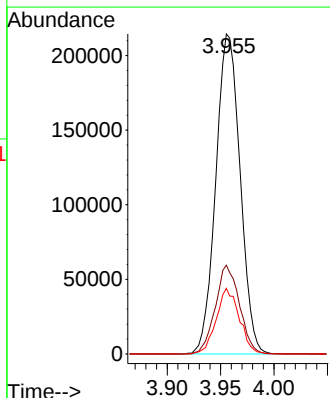
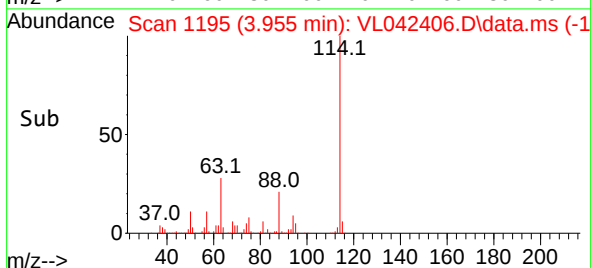
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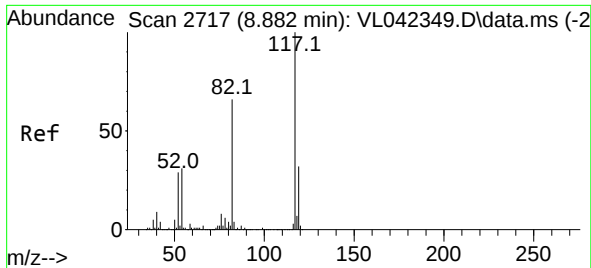


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49



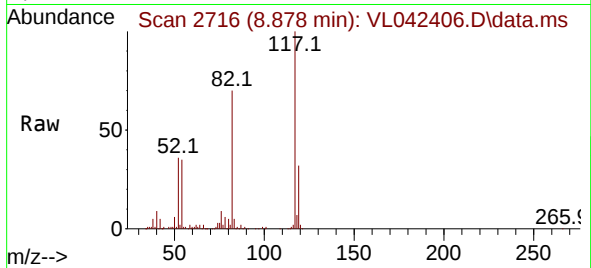
Tgt Ion:114 Resp: 339990
Ion Ratio Lower Upper
114 100
63 27.5 21.8 32.6
88 19.4 15.5 23.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

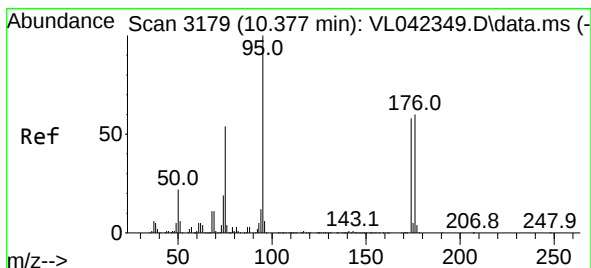
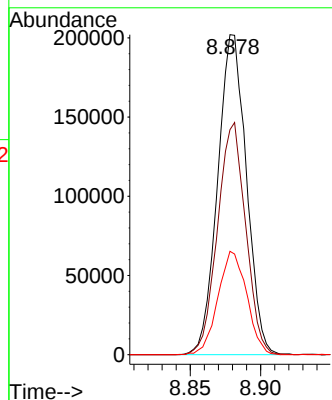
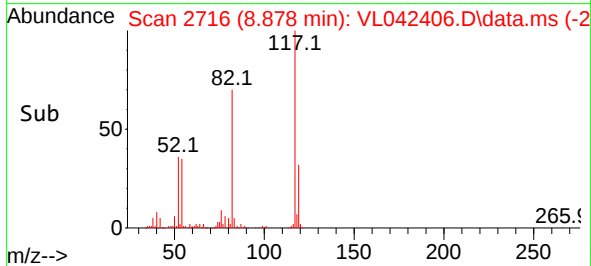
Instrument :
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Tgt Ion:117 Resp: 28735
Ion Ratio Lower Upper
117 100
82 71.0 57.8 86.6
119 32.3 25.2 37.8

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.548 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042406.D
Acq: 21 Apr 2025 15:49

Tgt Ion: 95 Resp: 249070
Ion Ratio Lower Upper
95 100
174 52.7 48.5 72.7
175 4.1 3.7 5.5

