

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042433.D
 Acq On : 28 Apr 2025 19:08
 Operator : SY/MD
 Sample : Q1880-09
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EBR-P16-SC-AA-DUP-01-20250422

Quant Time: Apr 29 01:42:08 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

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025
 Supervised By : Mahesh Dadoda 04/30/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	124369	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	336623	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	285626	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	259048	11.037	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	11120	0.506	ppbv	94
3) Chlorodifluoromethane	1.476	51	5358m	0.256	ppbv	
4) Chloromethane	1.531	50	5271	0.606	ppbv #	88
9) Propene	1.489	41	4141	0.435	ppbv #	76
11) Trichlorofluoromethane	1.878	101	5287m	0.253	ppbv	
13) Ethanol	1.722	45	16946	11.189	ppbv	77
15) Acetone	1.835	43	168143	8.259	ppbv	99
19) Isopropyl Alcohol	1.887	45	10020	0.886	ppbv #	1
20) Methylene Chloride	2.062	84	57715	7.238	ppbv	94
26) Hexane	2.826	57	90698	4.465	ppbv #	31
34) 2-Butanone	2.560	43	22290	0.837	ppbv	95
35) Carbon Tetrachloride	3.765	117	2110m	0.069	ppbv	
52) Tetrachloroethene	8.225	164	741m	0.053	ppbv	
53) Toluene	6.936	91	7665m	0.176	ppbv	
59) m/p-Xylene	9.529	91	11819m	0.259	ppbv	
60) o-Xylene	9.966	91	5458	0.119	ppbv	96
74) 1,2,4-Trimethylbenzene	11.536	105	15650m	0.270	ppbv	

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

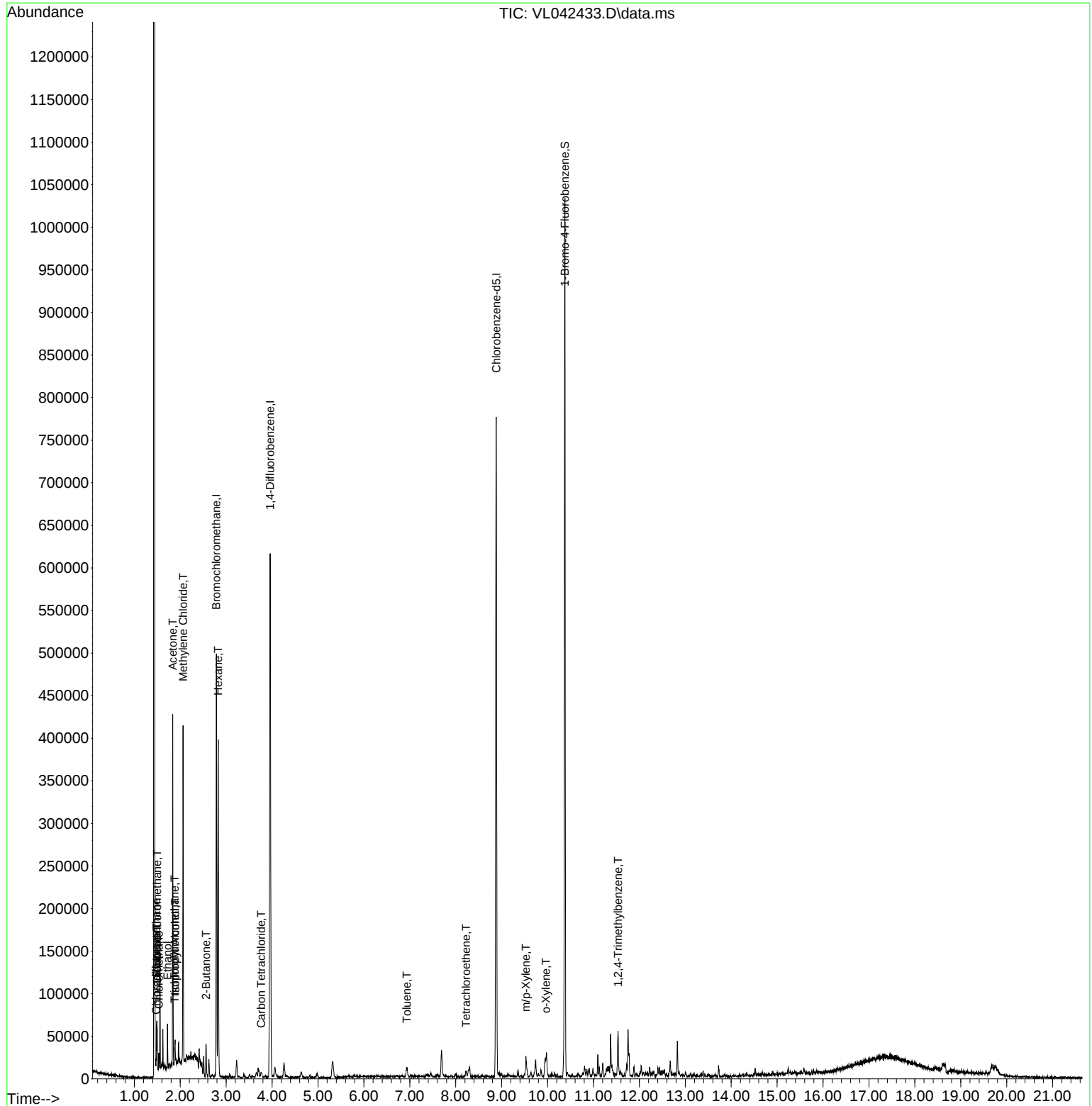
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Data File : VL042433.D
Acq On : 28 Apr 2025 19:08
Operator : SY/MD
Sample : Q1880-09
Misc : 400mL/MSVOA_L
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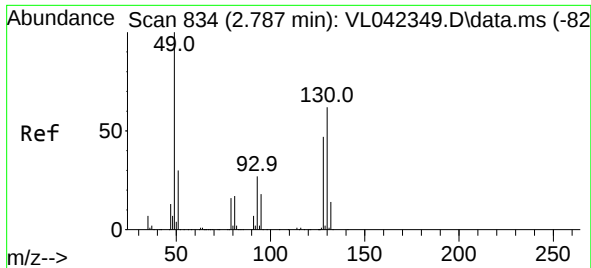
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422

Quant Time: Apr 29 01:42:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

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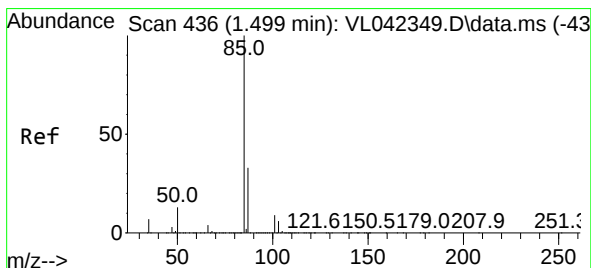
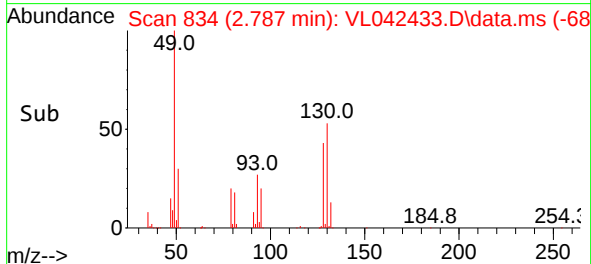
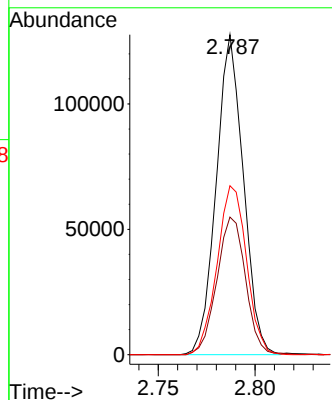
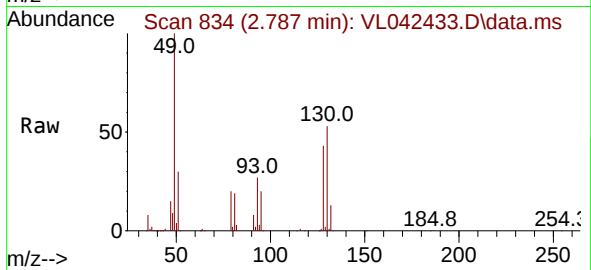
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 49 Resp: 124369
Ion Ratio Lower Upper
49 100
128 45.5 22.8 68.4
130 57.4 29.3 88.0

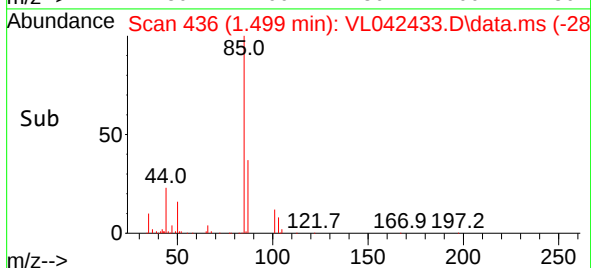
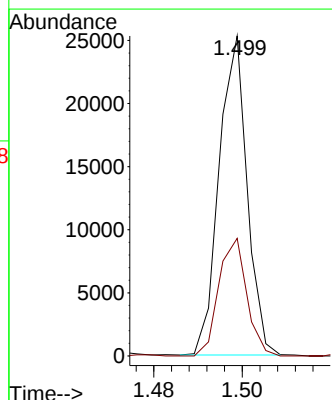
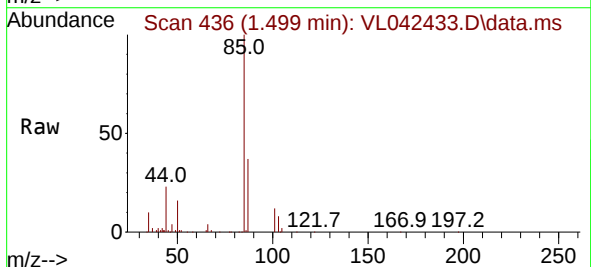
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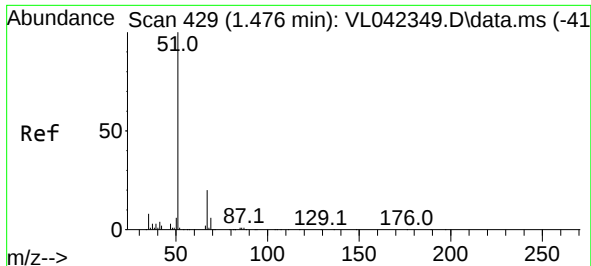
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#2
Dichlorodifluoromethane
Concen: 0.506 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

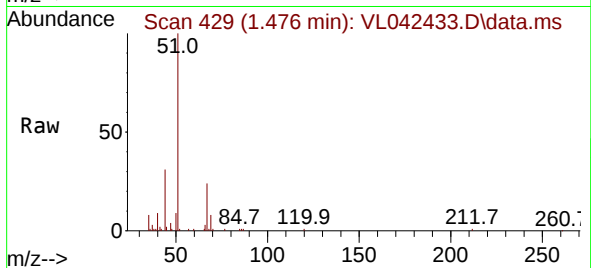
Tgt Ion: 85 Resp: 11120
Ion Ratio Lower Upper
85 100
87 36.9 26.6 39.8





#3
Chlorodifluoromethane
Concen: 0.256 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

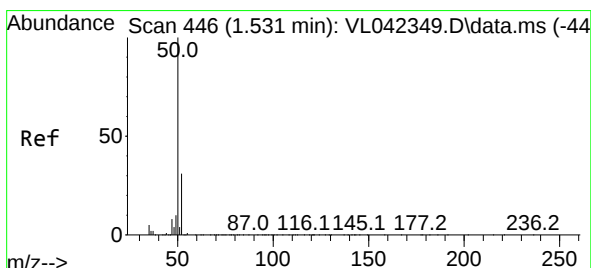
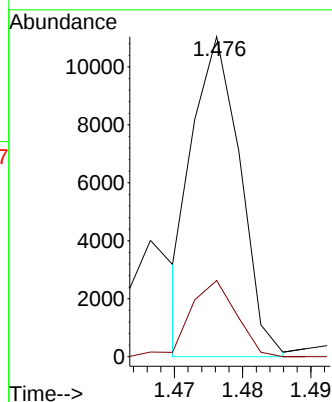
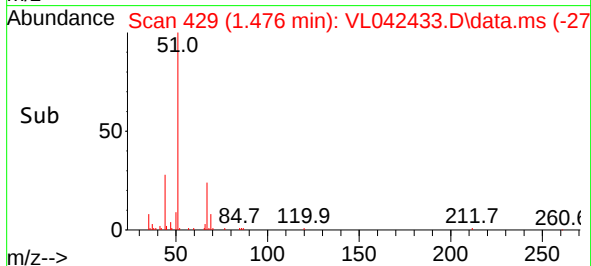
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422



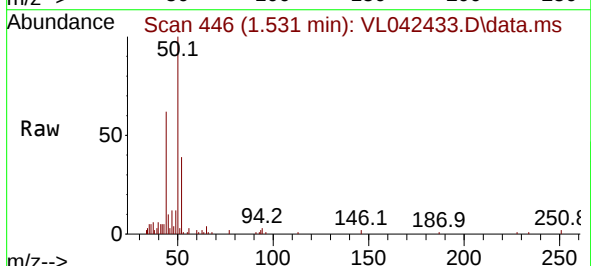
Tgt Ion: 51 Resp: 5358
Ion Ratio Lower Upper
51 100
67 23.2 16.2 24.4

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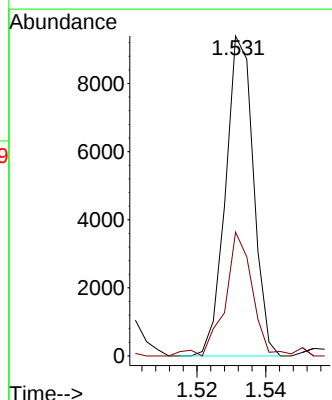
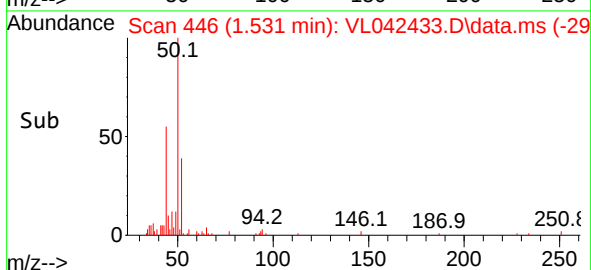
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025

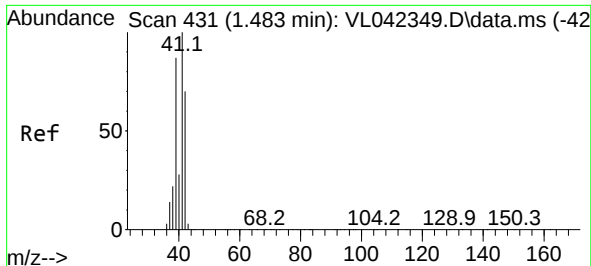


#4
Chloromethane
Concen: 0.606 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08



Tgt Ion: 50 Resp: 5271
Ion Ratio Lower Upper
50 100
52 37.4 24.7 37.1#





#9

Propene

Concen: 0.435 ppbv

RT: 1.489 min Scan# 414

Delta R.T. 0.007 min

Lab File: VL042433.D

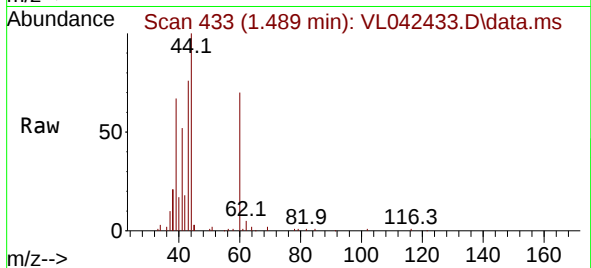
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Instrument :

MSVOA_L

ClientSampleId :

EBR-P16-SC-AA-DUP-01-20250422

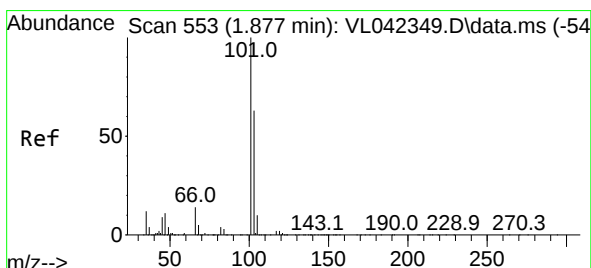
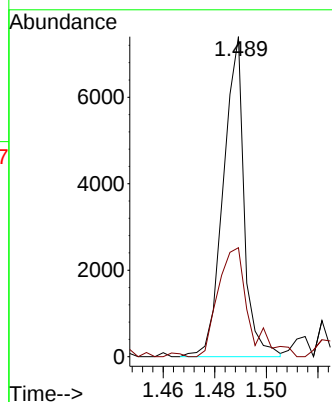
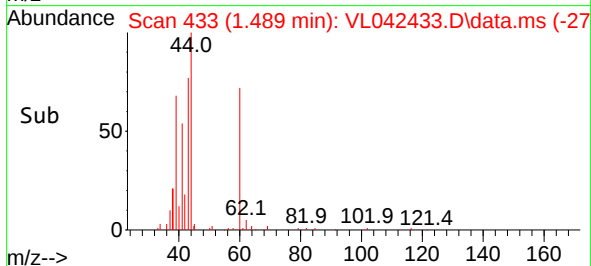


Tgt Ion:	41	Resp:	414
Ion Ratio	100	Lower	Upper
41	100		
42	50.9	56.2	84.4

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#11

Trichlorofluoromethane

Concen: 0.253 ppbv m

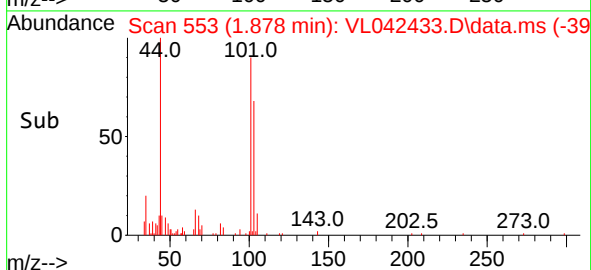
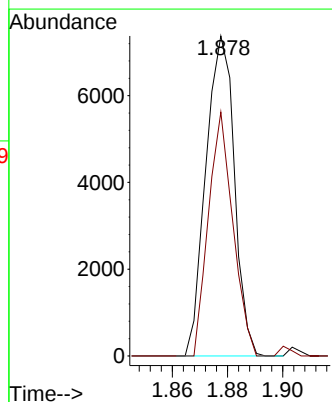
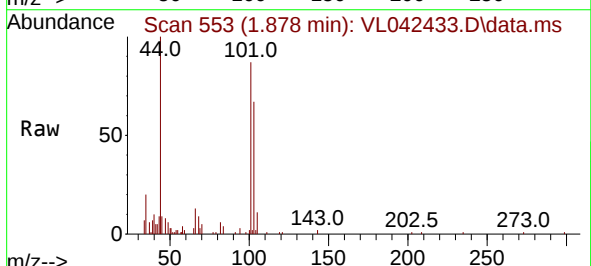
RT: 1.878 min Scan# 553

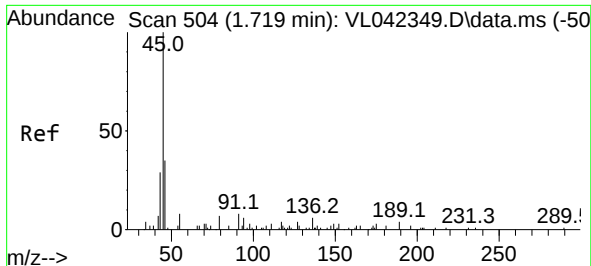
Delta R.T. 0.000 min

Lab File: VL042433.D

Acq: 28 Apr 2025 19:08

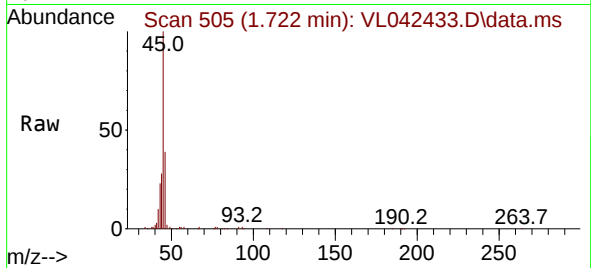
Tgt Ion:	101	Resp:	5287
Ion Ratio	100	Lower	Upper
101	100		
103	76.2	50.1	75.1





#13
Ethanol
Concen: 11.189 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

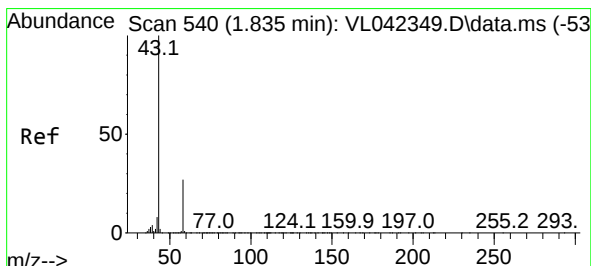
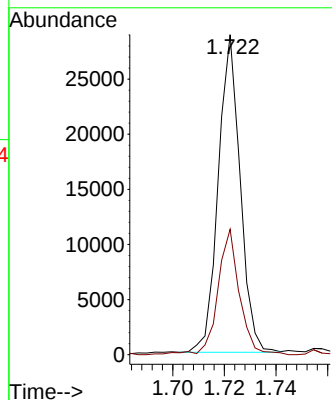
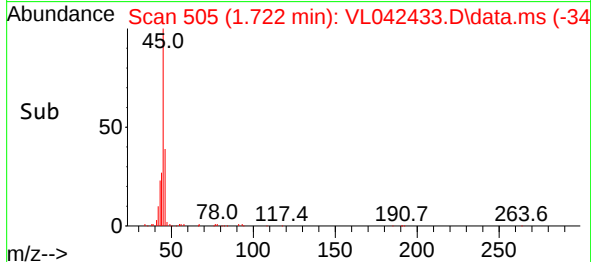
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422



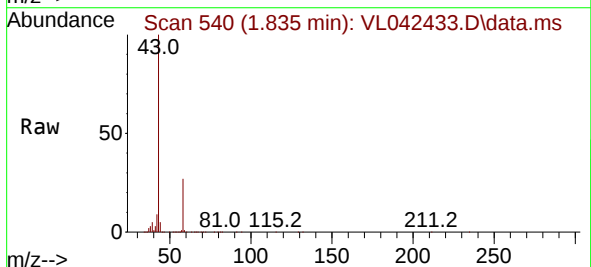
Tgt Ion: 45 Resp: 16940
Ion Ratio Lower Upper
45 100
46 38.1 21.9 87.7

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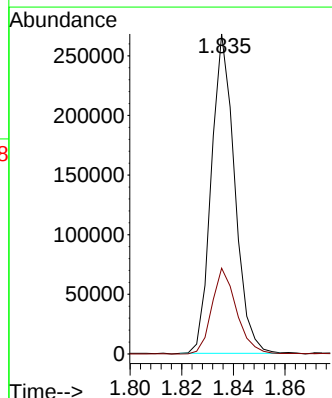
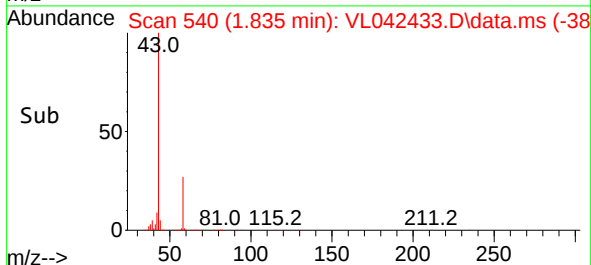
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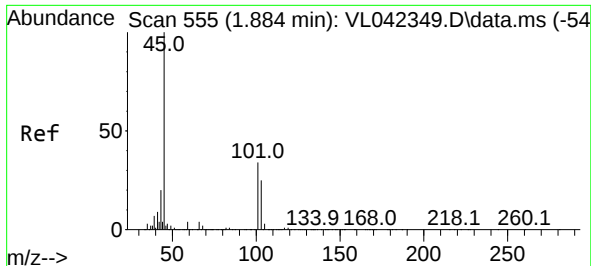


#15
Acetone
Concen: 8.259 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08



Tgt Ion: 43 Resp: 168143
Ion Ratio Lower Upper
43 100
58 28.6 22.4 33.6





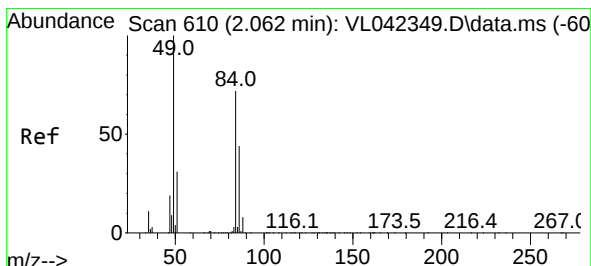
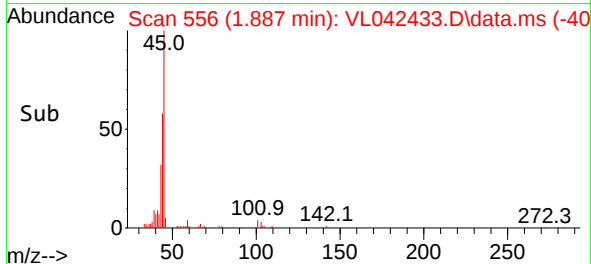
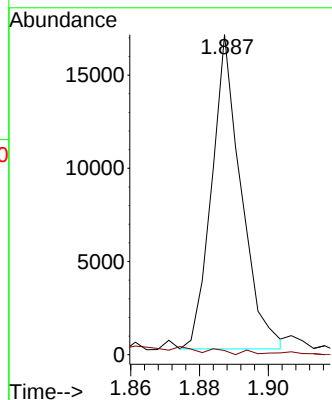
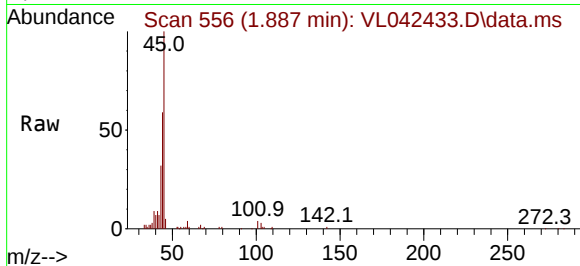
#19
Isopropyl Alcohol
Concen: 0.886 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion: 45 Resp: 10020
Ion Ratio Lower Upper
45 100
58 479.7 34.5 51.7

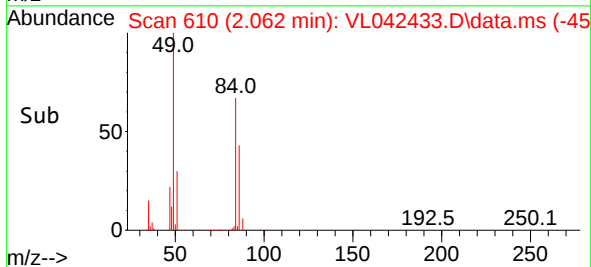
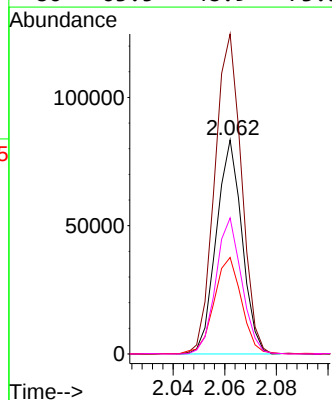
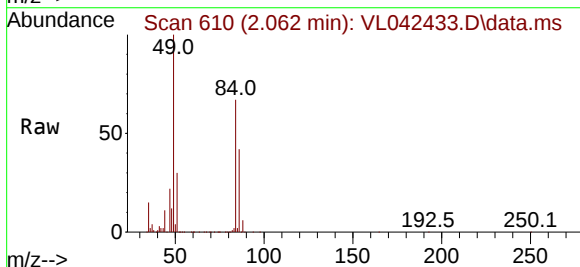
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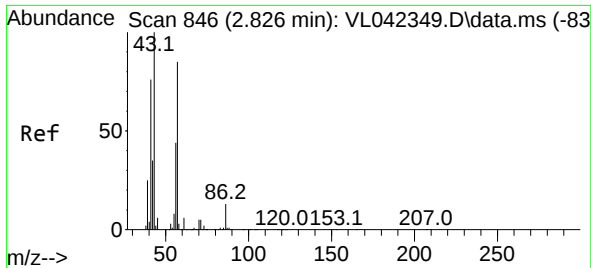
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#20
Methylene Chloride
Concen: 7.238 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

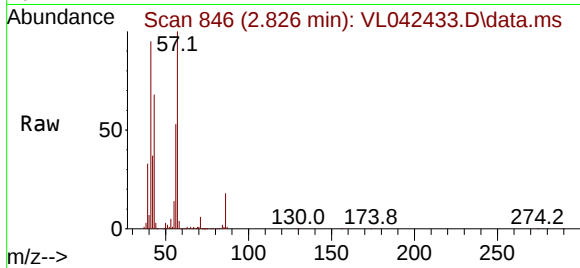
Tgt Ion: 84 Resp: 57715
Ion Ratio Lower Upper
84 100
49 149.3 111.6 167.4
51 44.9 35.1 52.7
86 63.5 48.9 73.3





#26
Hexane
Concen: 4.465 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

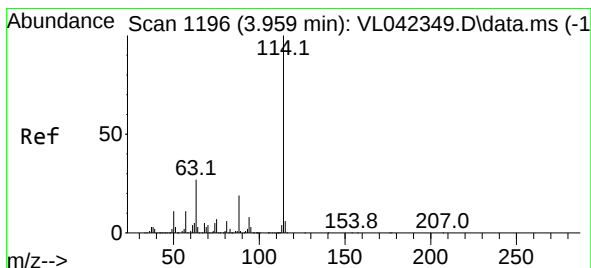
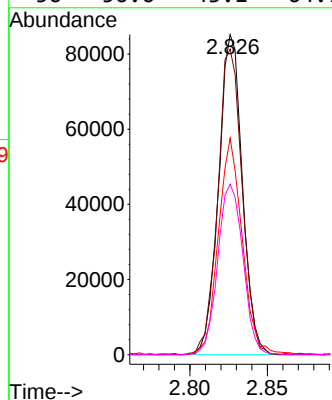
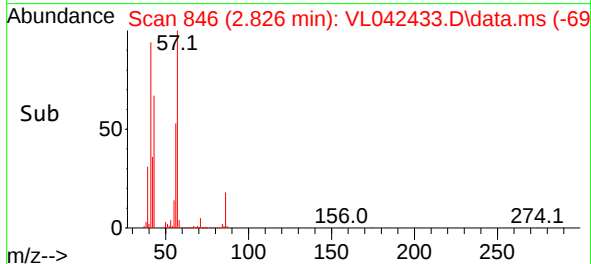
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422



Tgt Ion: 57 Resp: 90698
Ion Ratio Lower Upper
57 100
41 98.1 77.9 116.9
43 67.6 208.4 312.6
56 56.6 43.1 64.7

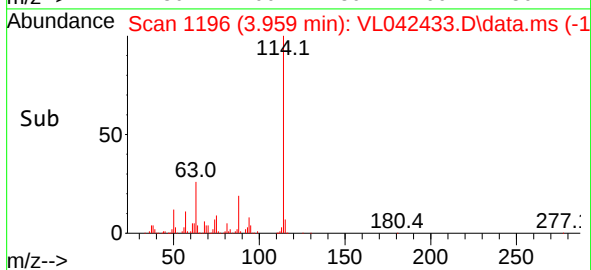
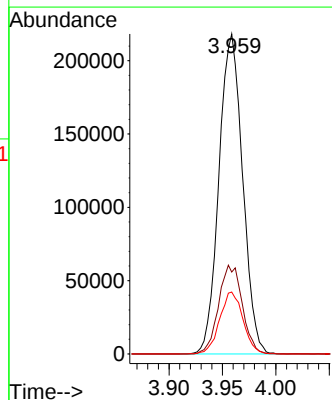
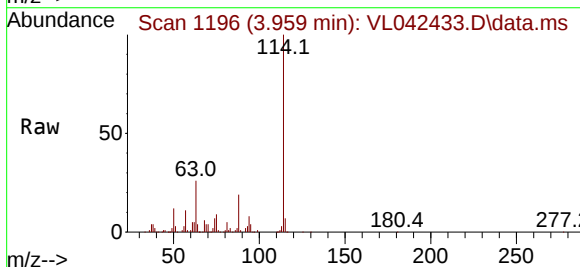
Manual Integrations
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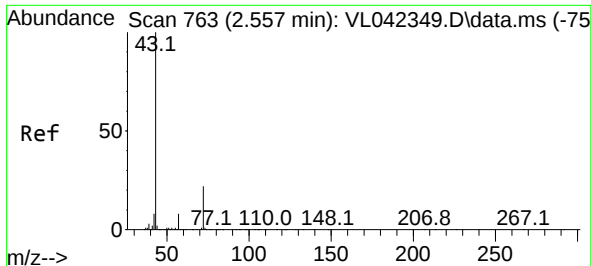
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

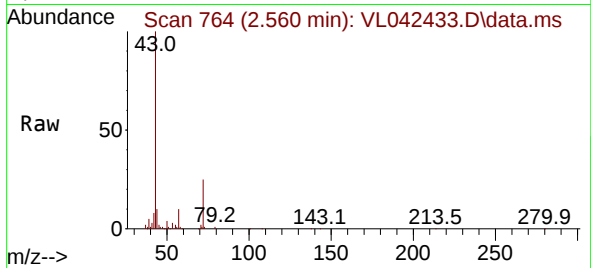
Tgt Ion:114 Resp: 336623
Ion Ratio Lower Upper
114 100
63 27.9 21.8 32.6
88 19.1 15.5 23.3





#34
2-Butanone
Concen: 0.837 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

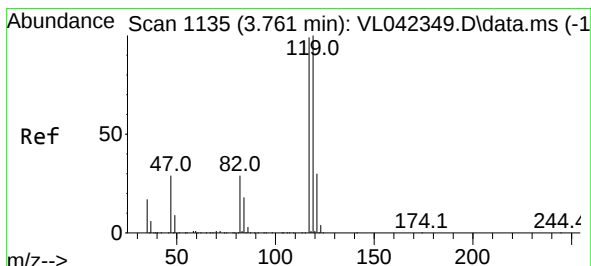
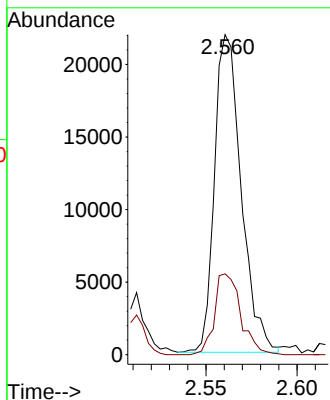
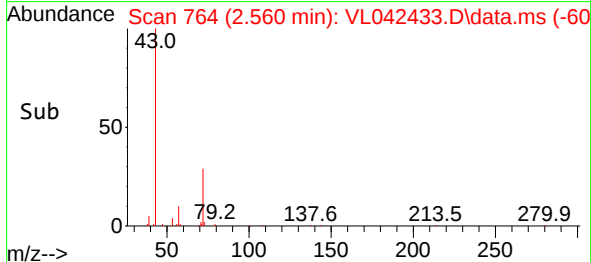
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422



Tgt Ion: 43 Resp: 22290
Ion Ratio Lower Upper
43 100
72 25.0 18.2 27.2

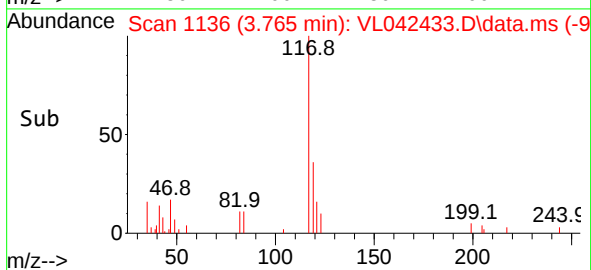
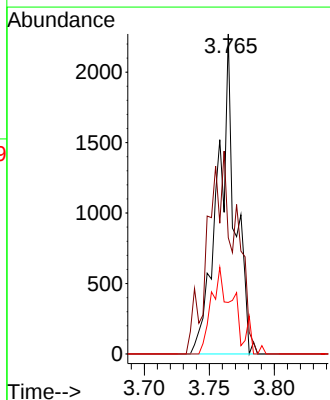
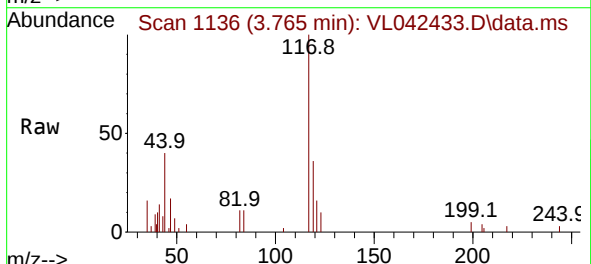
Manual Integrations
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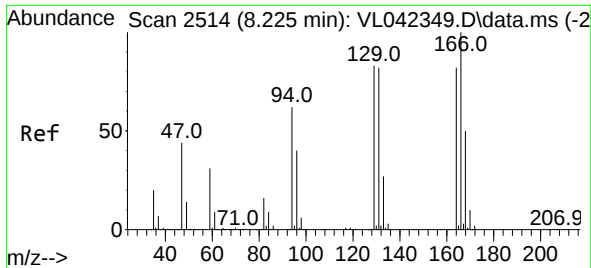
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 3.765 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

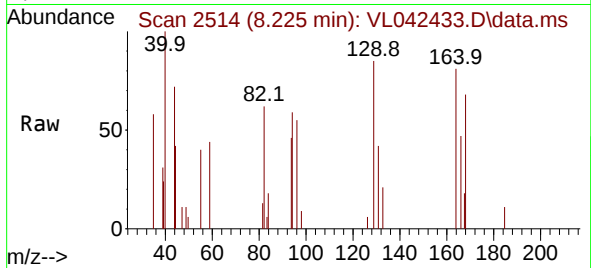
Tgt Ion:117 Resp: 2110
Ion Ratio Lower Upper
117 100
119 36.4 80.5 120.7#
121 16.1 24.2 36.2#





#52
Tetrachloroethene
Concen: 0.053 ppbv m
RT: 8.225 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

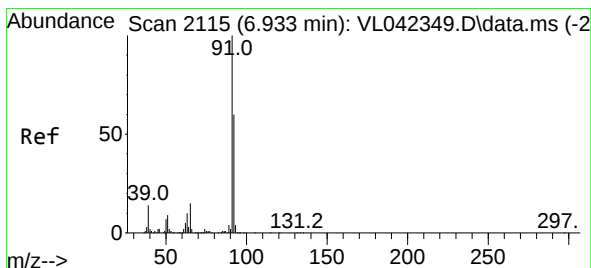
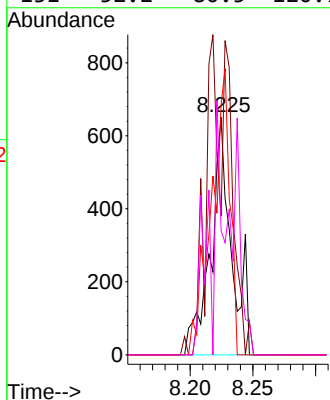
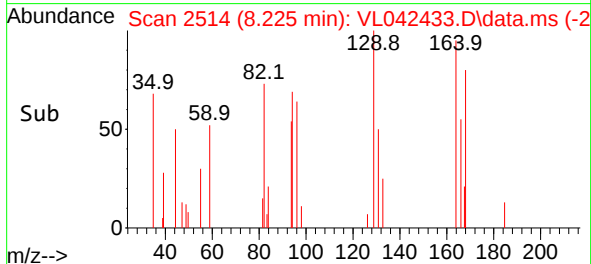
Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422



Tgt Ion: 164 Resp: 74
Ion Ratio Lower Upper
164 100
166 58.4 98.2 147.2
129 105.2 81.8 122.8
131 52.2 80.5 120.7#

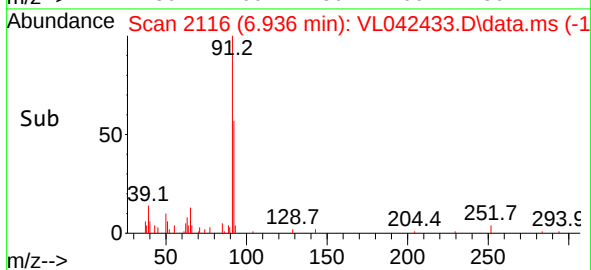
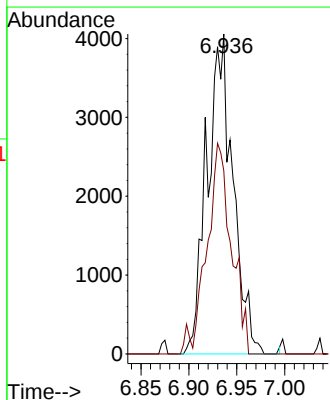
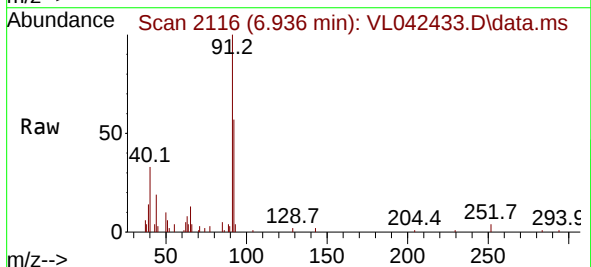
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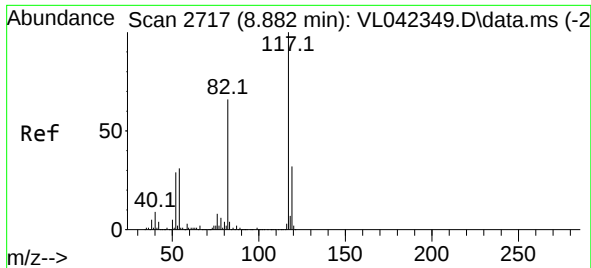
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#53
Toluene
Concen: 0.176 ppbv m
RT: 6.936 min Scan# 2116
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Tgt Ion: 91 Resp: 7665
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#





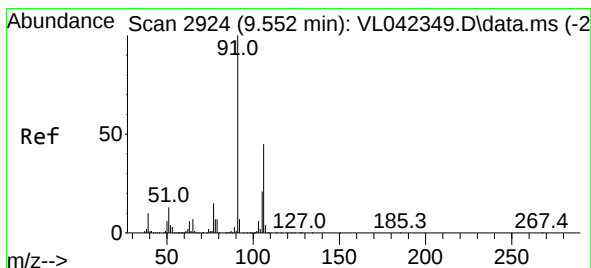
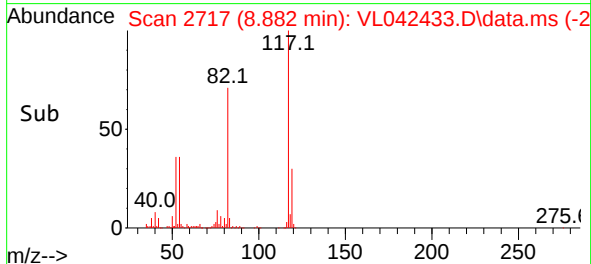
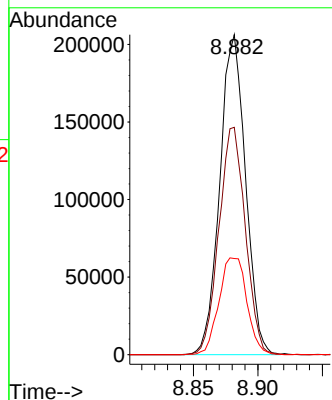
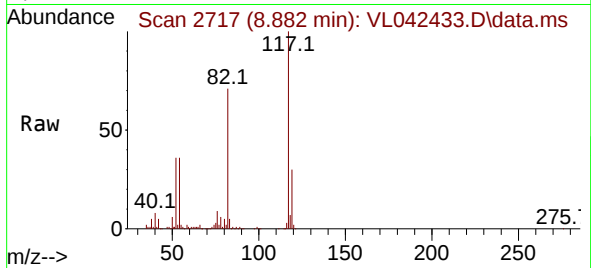
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 217
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

Instrument : MSVOA_L
ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422

Tgt Ion:117 Resp: 285620
Ion Ratio Lower Upper
117 100
82 72.9 57.8 86.6
119 33.0 25.2 37.8

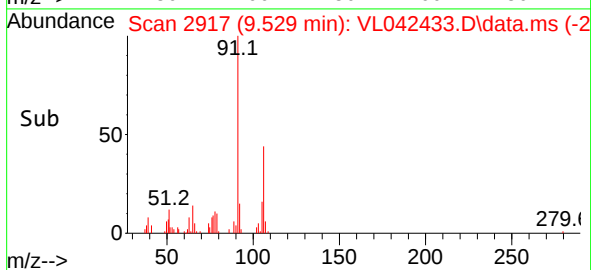
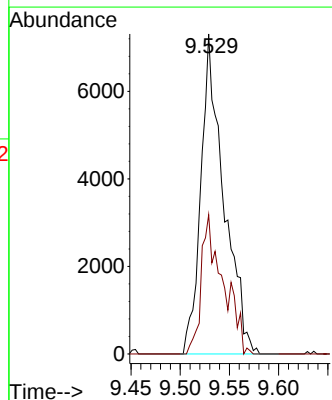
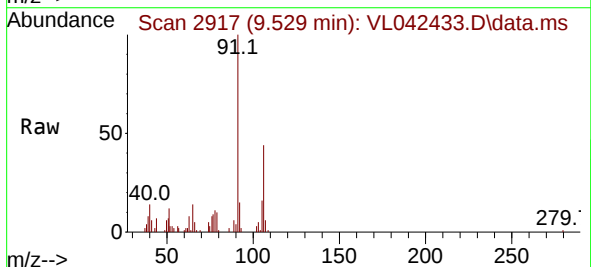
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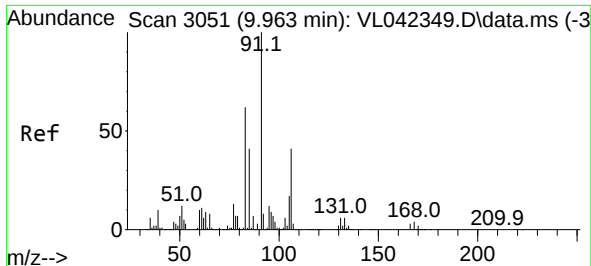
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#59
m/p-Xylene
Concen: 0.259 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

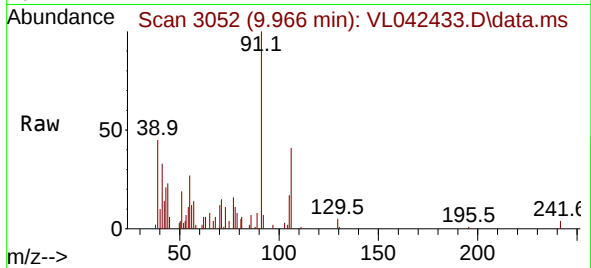
Tgt Ion: 91 Resp: 11819
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#60
o-Xylene
Concen: 0.119 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

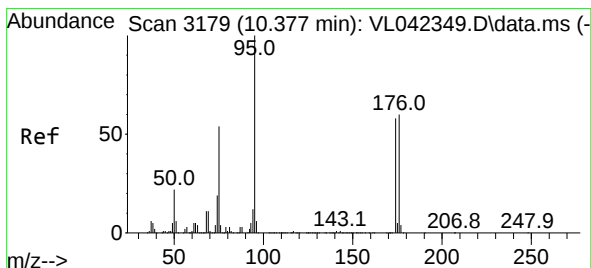
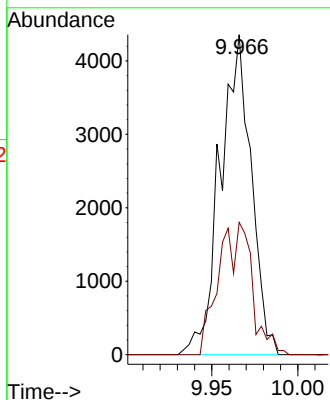
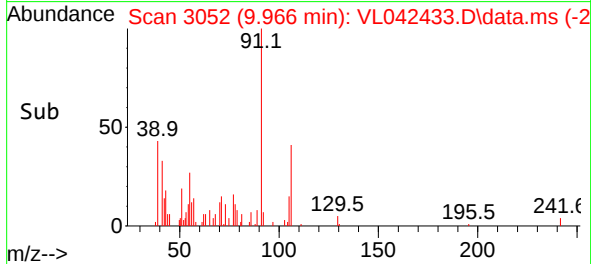
Instrument :
MSVOA_L
ClientSampleId :
EBR-P16-SC-AA-DUP-01-20250422



Tgt Ion: 91 Resp: 5458
Ion Ratio Lower Upper
91 100
106 44.7 21.1 63.4

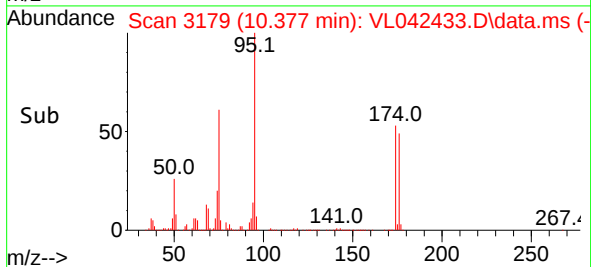
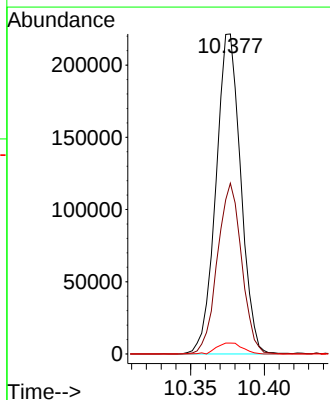
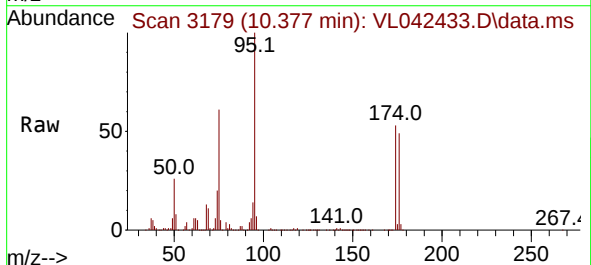
Manual Integrations
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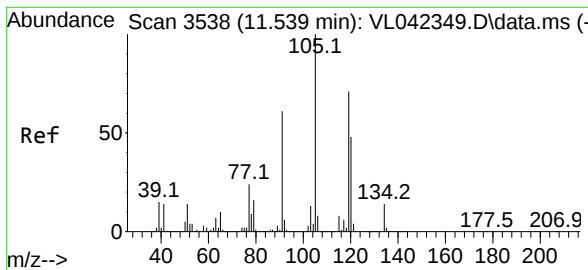
Reviewed By :Semsettin Yesilyurt 04/29/2025
Supervised By :Mahesh Dadoda 04/30/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.037 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VL042433.D
Acq: 28 Apr 2025 19:08

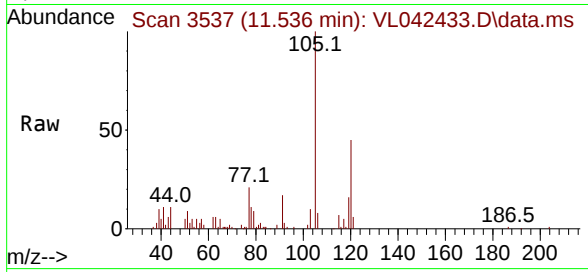
Tgt Ion: 95 Resp: 259048
Ion Ratio Lower Upper
95 100
174 52.2 48.5 72.7
175 3.6 3.7 5.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.270 ppbv m
 RT: 11.536 min Scan# 3
 Delta R.T. -0.003 min
 Lab File: VL042433.D
 Acq: 28 Apr 2025 19:08

Instrument : MSVOA_L
 ClientSampleId : EBR-P16-SC-AA-DUP-01-20250422



Tgt Ion:	105	Resp:	15650
Ion	Ratio	Lower	Upper
105	100		
120	45.3	38.1	57.1
91	16.7	48.8	73.2
77	20.7	19.0	28.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/29/2025
 Supervised By :Mahesh Dadoda 04/30/2025

