Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042278.D
Acq On : 09 Apr 2025 00:15
Operator : SY/MD
Sample : Q1728-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-5-04012025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

Quant Time: Apr 09 02:03:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	158831	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	406344	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	351845	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	274750	9.509	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	5250	0.224	ppbv		95
3) Chlorodifluoromethane	1.476	51	3081m	0.129	ppbv		
4) Chloromethane	1.531	50	1329	0.139	ppbv	#	87
11) Trichlorofluoromethane	1.881	101	2481	0.109	ppbv		87
13) Ethanol	1.722	45	6890	6.637	ppbv	#	27
15) Acetone	1.839	43	104371	4.699	ppbv		93
20) Methylene Chloride	2.065	84	6266	0.757	ppbv	#	92
26) Hexane	2.832	57	5174	0.232	ppbv	#	35
34) 2-Butanone	2.567	43	5212	0.177	ppbv		99
35) Carbon Tetrachloride	3.768	117	1451m	0.046	ppbv		
36) Benzene	3.661	78	4257	0.106	ppbv		95
38) Trichloroethene	4.564	130	573m	0.034	ppbv		
53) Toluene	6.933	91	23321	0.488	ppbv		97
58) Ethyl Benzene	9.357	91	6275	0.100	ppbv		94
59) m/p-Xylene	9.535	91	18297m	0.367	ppbv		
60) o-Xylene	9.966	91	6832	0.137	ppbv		98
61) Styrene	9.869	104	3678	0.149	ppbv		99

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
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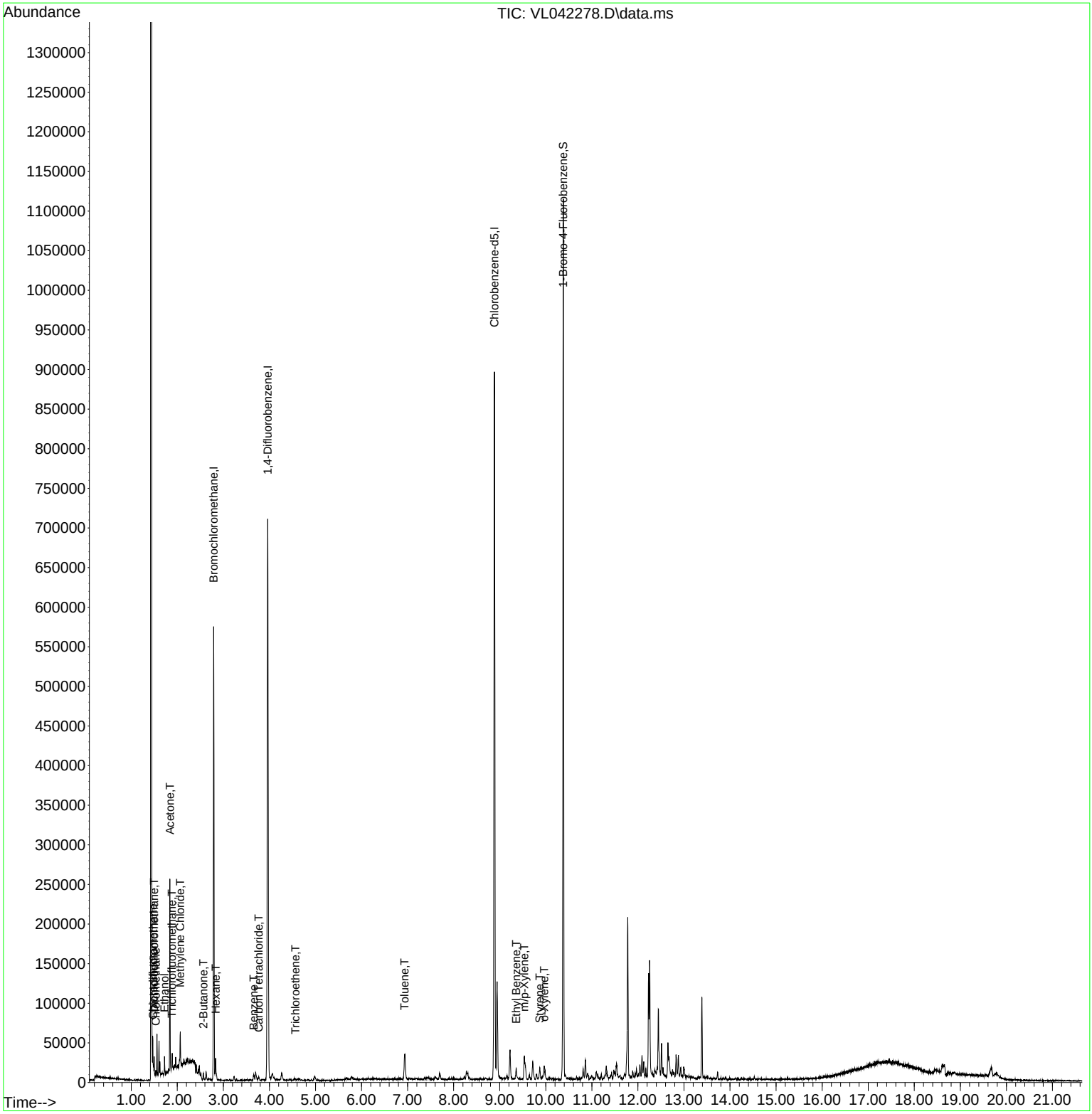

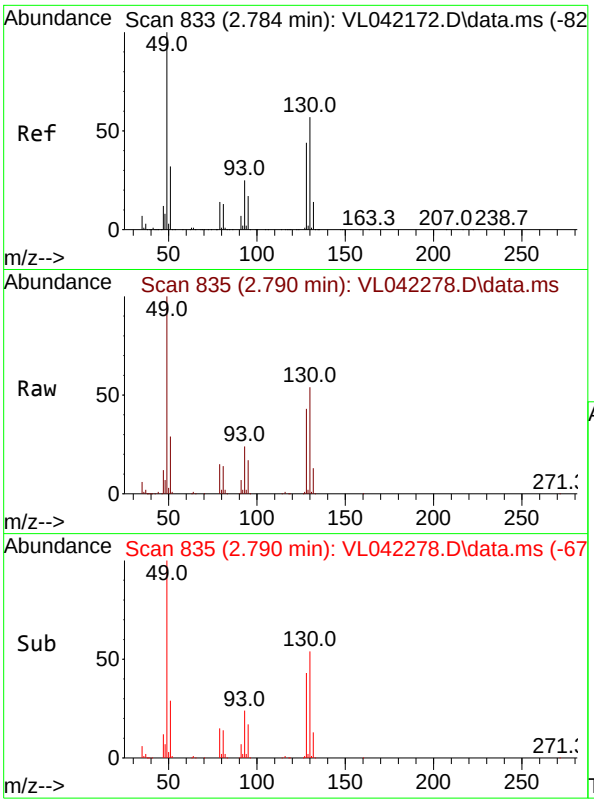

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 49 Resp: 15883

Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.9	68.5
130	57.5	28.8	86.4

Instrument :
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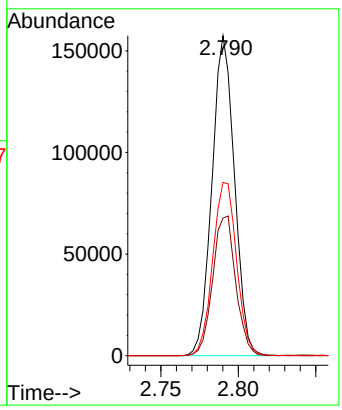
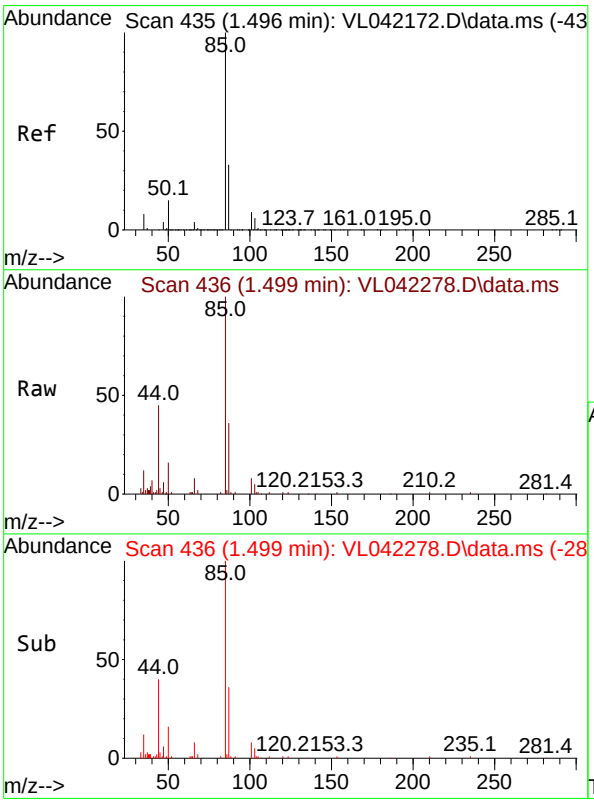
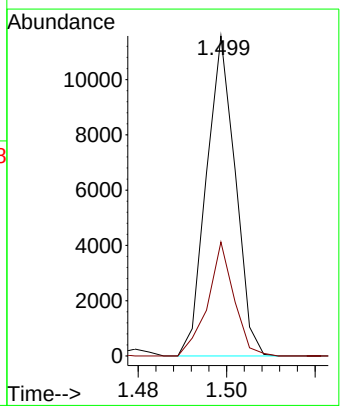


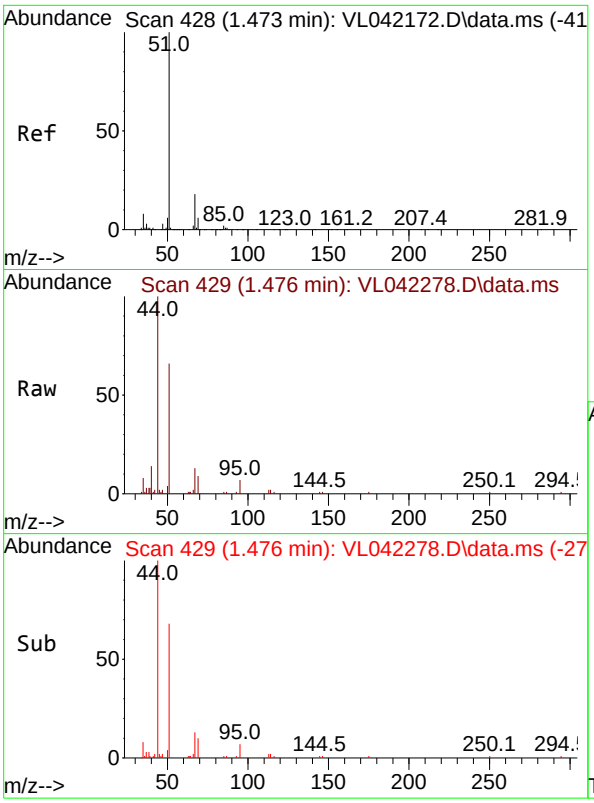


#2
Dichlorodifluoromethane
Concen: 0.224 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 85 Resp: 5250

Ion	Ratio	Lower	Upper
85	100		
87	35.6	26.1	39.1





#3
Chlorodifluoromethane
Concen: 0.129 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 51 Resp: 308

Ion	Ratio	Lower	Upper
51	100		
67	19.2	15.0	22.6

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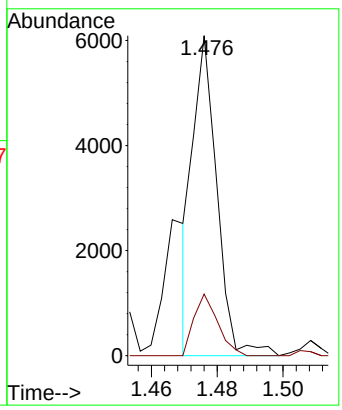
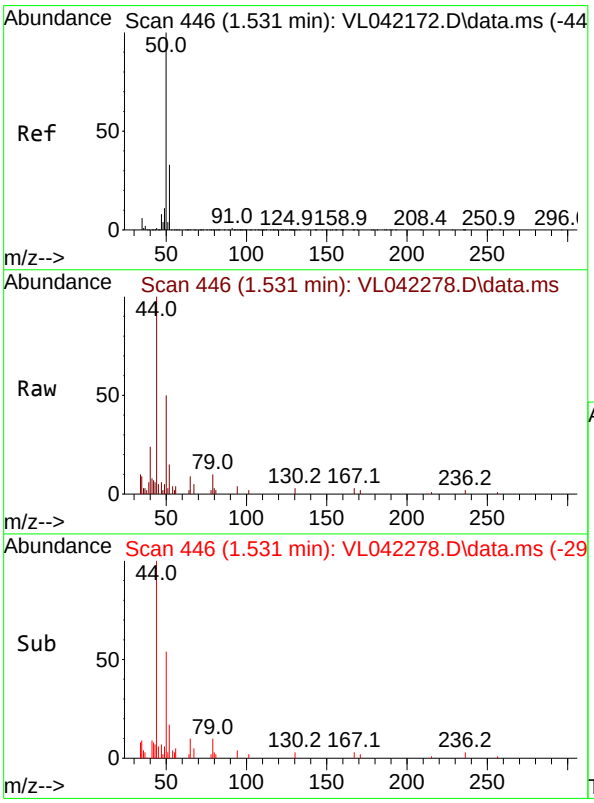
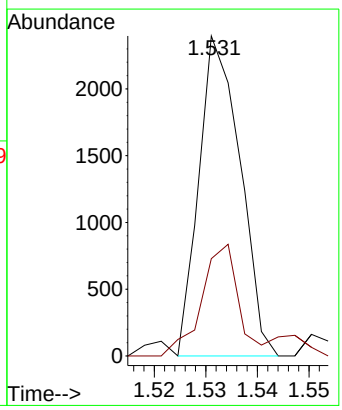


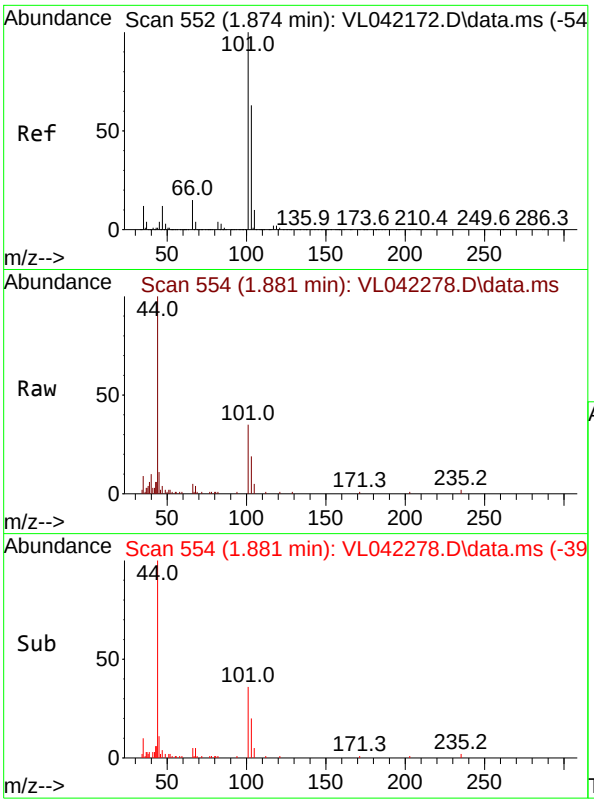


#4
Chloromethane
Concen: 0.139 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 50 Resp: 1329

Ion	Ratio	Lower	Upper
50	100		
52	25.3	26.1	39.1#

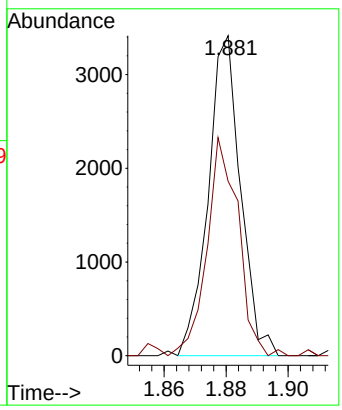




#11
Trichlorofluoromethane
Concen: 0.109 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion:101 Resp: 248

Ion	Ratio	Lower	Upper
101	100		
103	52.6	50.2	75.2



Instrument :
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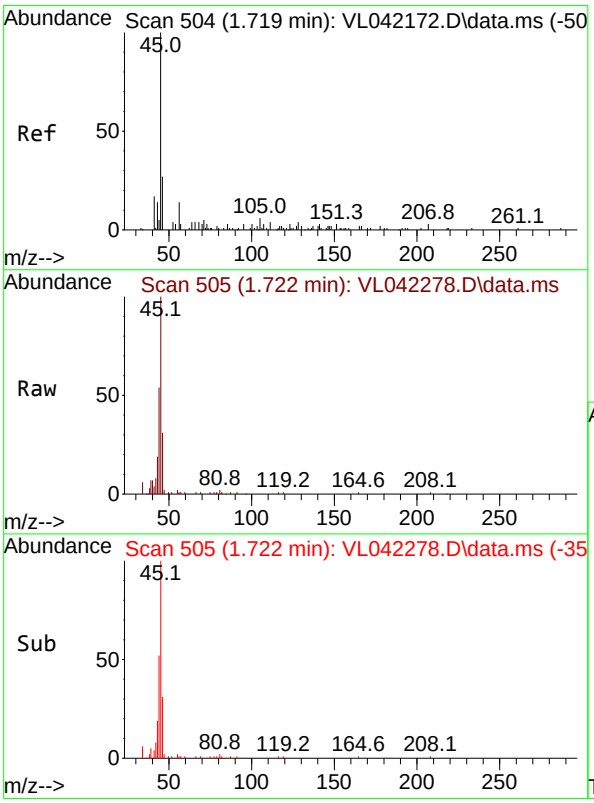
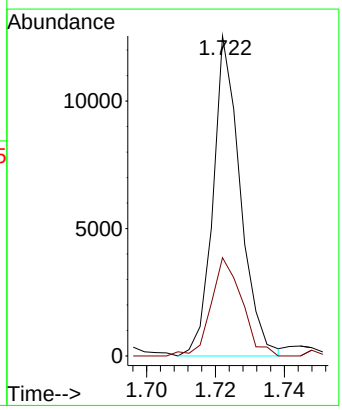
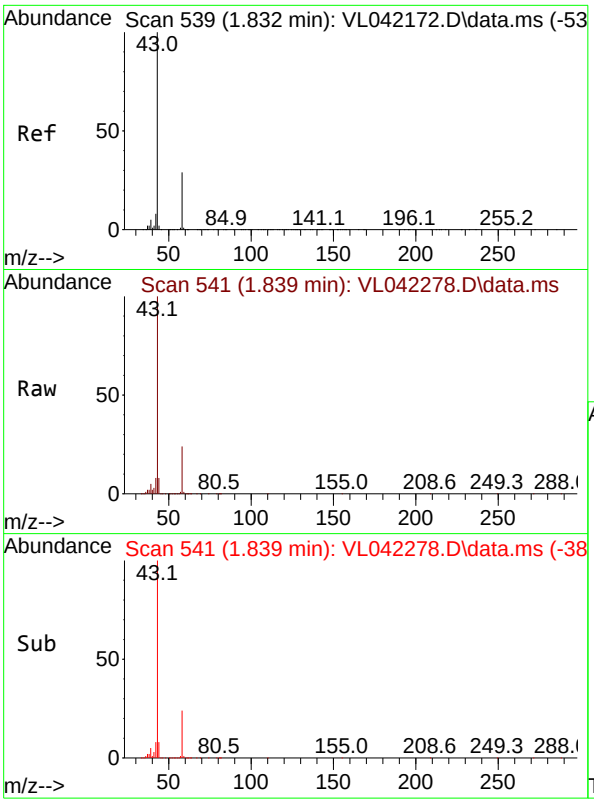


#13
Ethanol
Concen: 6.637 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 45 Resp: 6890

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#





#15
Acetone
Concen: 4.699 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 43 Resp: 10437

Ion	Ratio	Lower	Upper
43	100		
58	25.4	23.2	34.8

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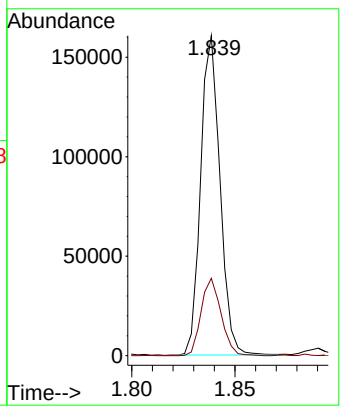
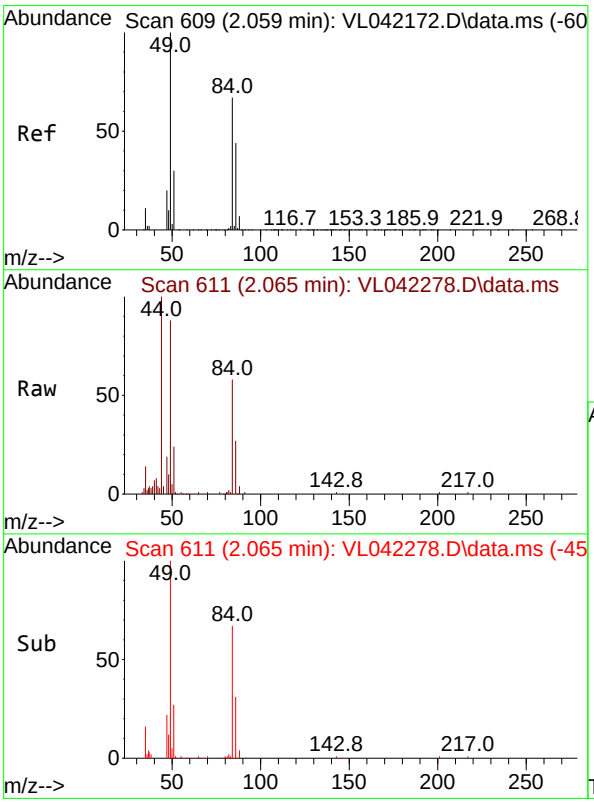
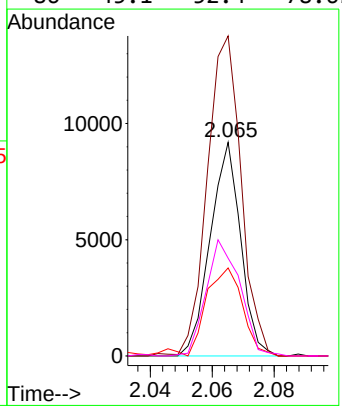


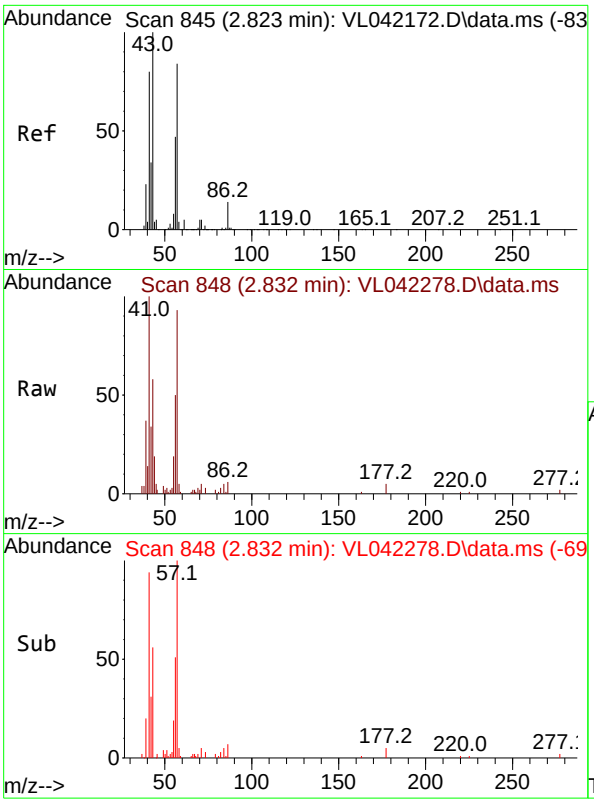


#20
Methylene Chloride
Concen: 0.757 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 84 Resp: 6266

Ion	Ratio	Lower	Upper
84	100		
49	149.1	120.2	180.4
51	41.2	37.4	56.0
86	45.1	52.4	78.6#

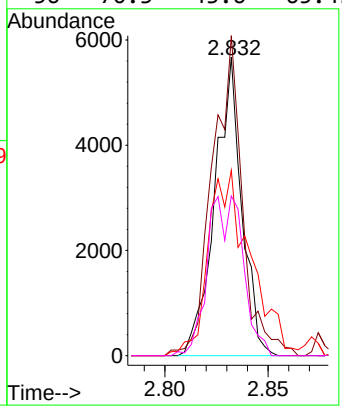




#26
Hexane
Concen: 0.232 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.009 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 57 Resp: 517

Ion	Ratio	Lower	Upper
57	100		
41	121.1	76.6	114.8#
43	101.4	207.8	311.8#
56	70.3	43.6	65.4#



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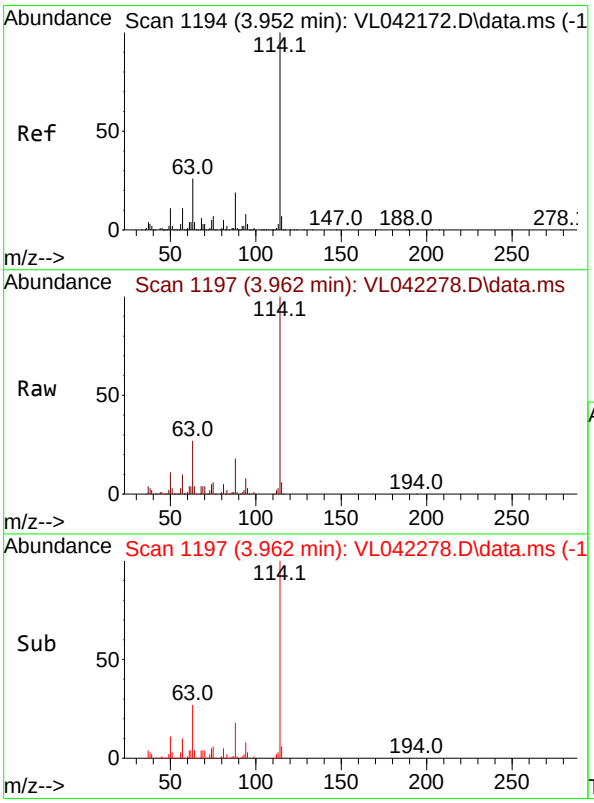
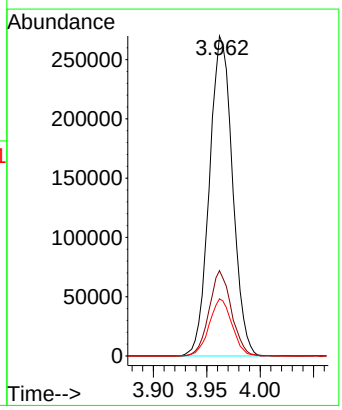
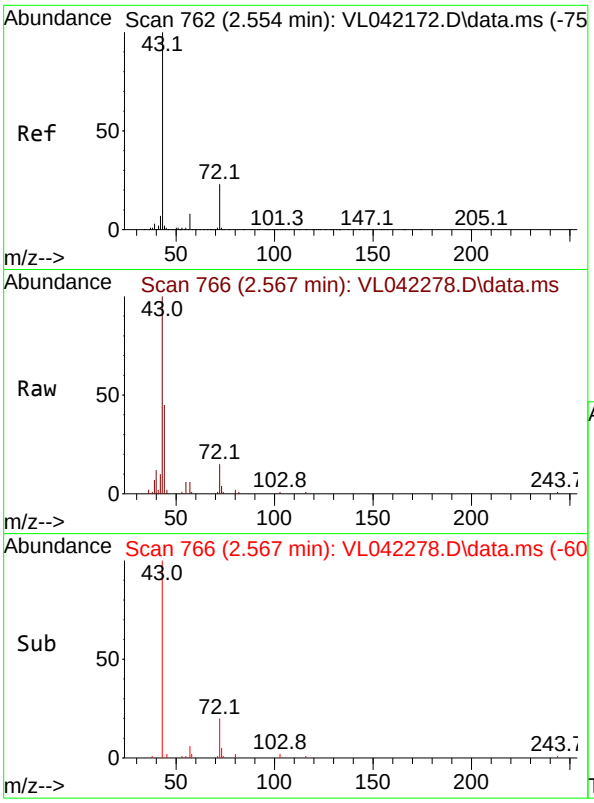


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.009 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion:114 Resp: 406344

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	17.6	15.0	22.4





#34
2-Butanone
Concen: 0.177 ppbv
RT: 2.567 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 43 Resp: 521

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.2	27.2

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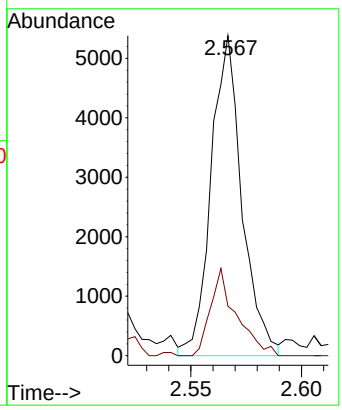
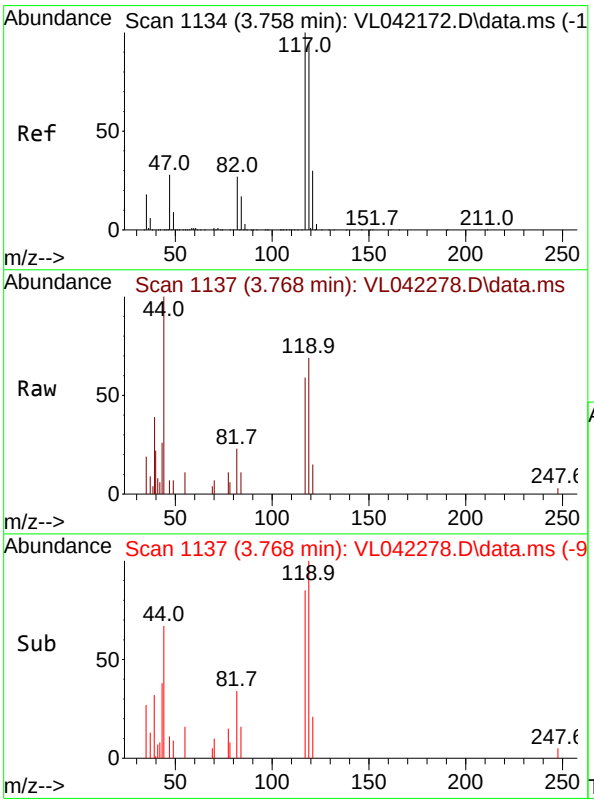
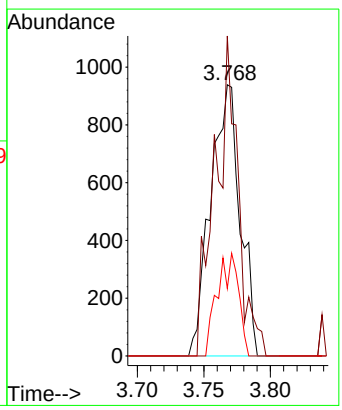


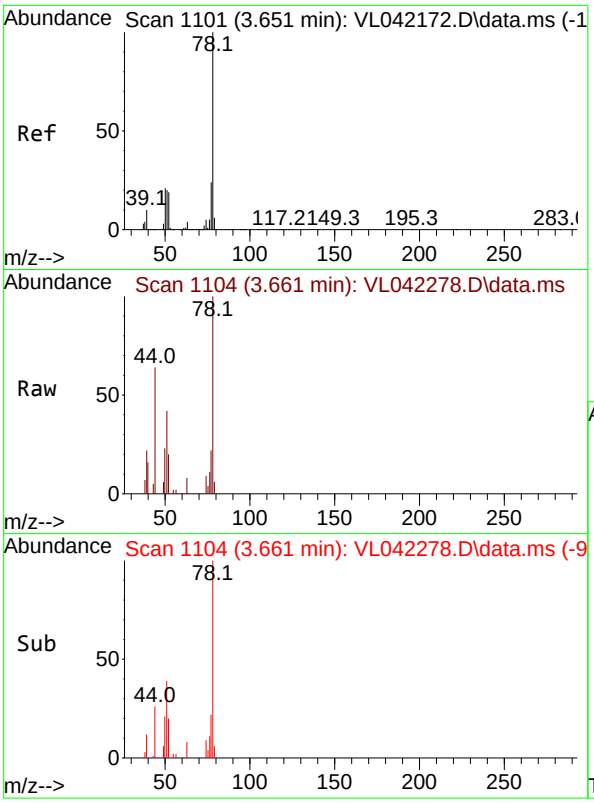


#35
Carbon Tetrachloride
Concen: 0.046 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.009 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion:117 Resp: 1451

Ion	Ratio	Lower	Upper
117	100		
119	118.0	76.2	114.2#
121	24.9	24.2	36.4

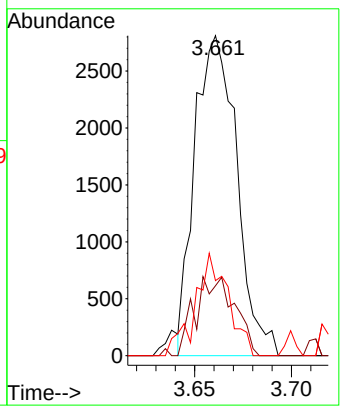




#36
Benzene
Concen: 0.106 ppbv
RT: 3.661 min Scan# 1
Delta R.T. 0.009 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 78 Resp: 425

Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.1	28.7
50	23.5	16.6	24.8



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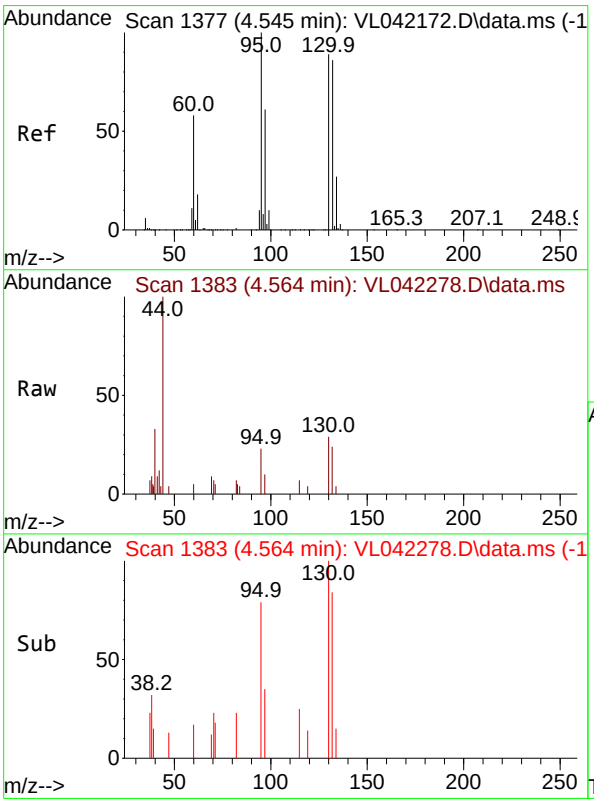
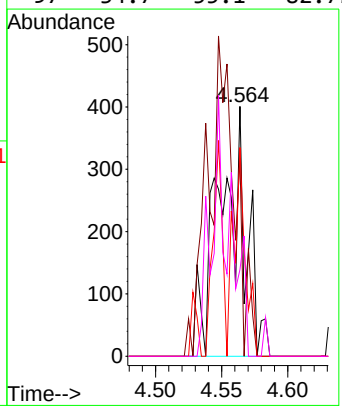
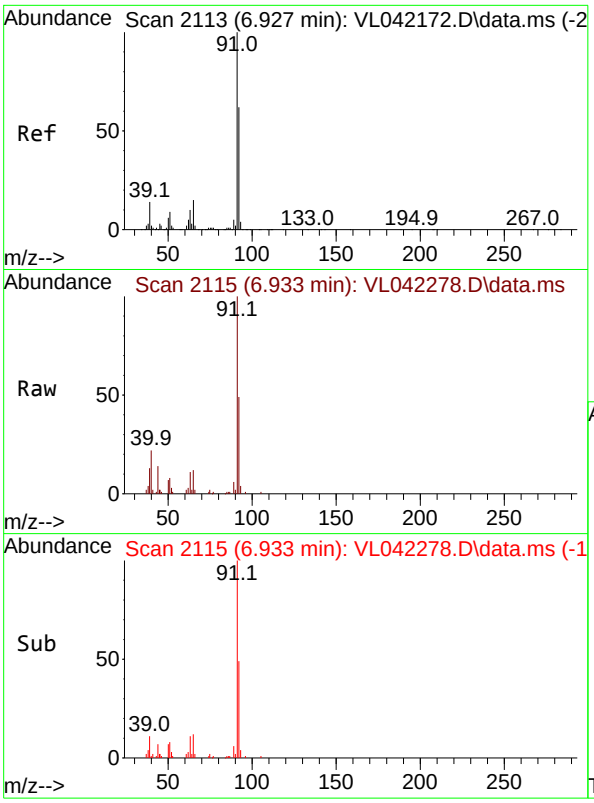


#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 4.564 min Scan# 1383
Delta R.T. 0.019 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion:130 Resp: 573

Ion	Ratio	Lower	Upper
130	100		
95	79.3	89.8	134.8#
132	83.5	77.4	116.2
97	34.7	55.1	82.7#





#53
Toluene
Concen: 0.488 ppbv
RT: 6.933 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 91 Resp: 2332

Ion	Ratio	Lower	Upper
91	100		
92	58.3	48.4	72.6

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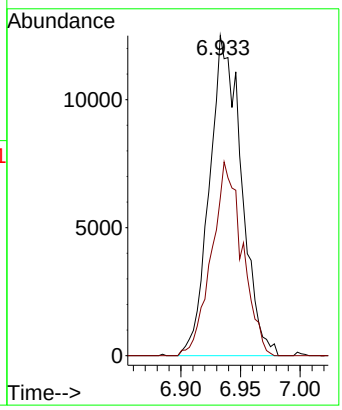
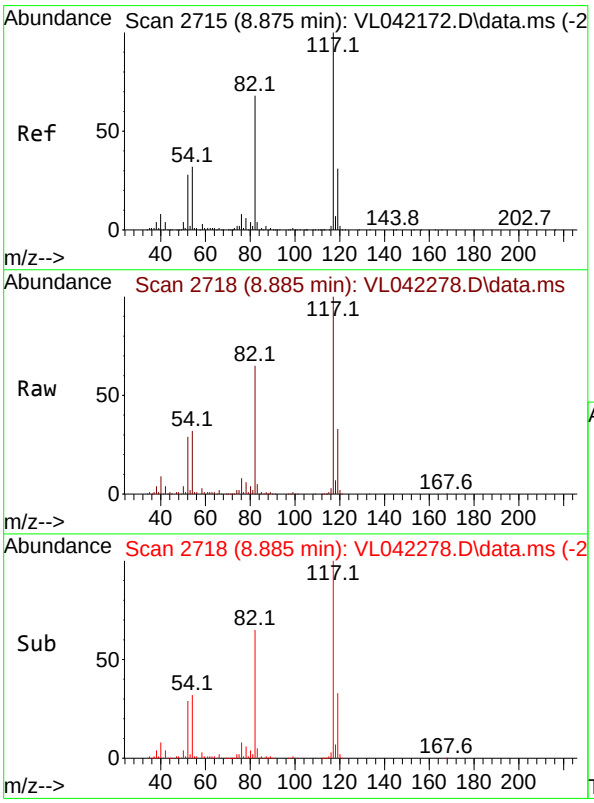
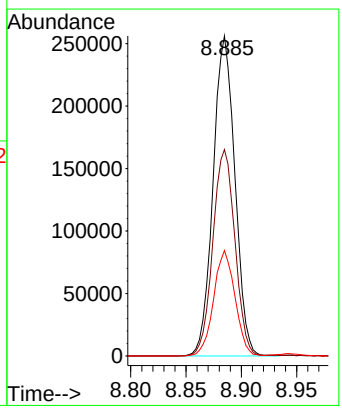


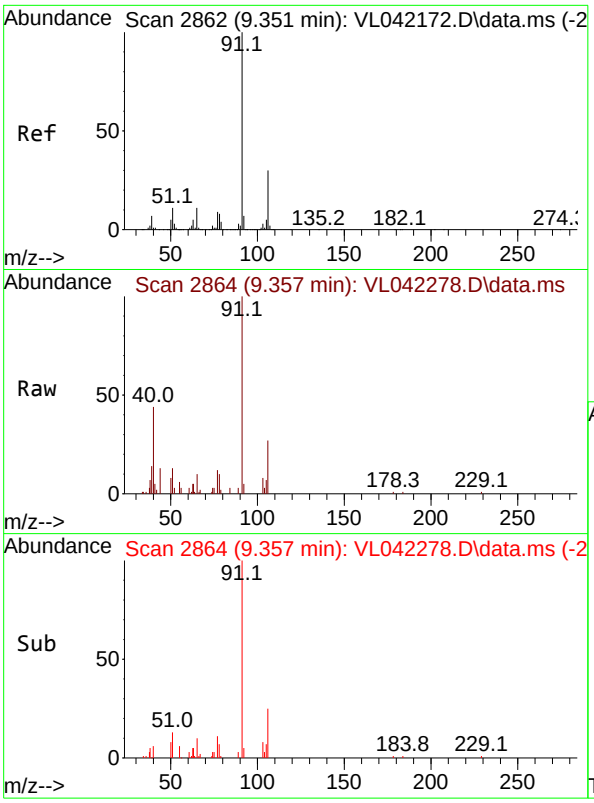


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.009 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion:117 Resp: 351845

Ion	Ratio	Lower	Upper
117	100		
82	65.5	55.8	83.6
119	32.3	25.5	38.3





#58
Ethyl Benzene
Concen: 0.100 ppbv
RT: 9.357 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 91 Resp: 627

Ion	Ratio	Lower	Upper
91	100		
106	27.1	24.2	36.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-5-04012025

Manual Integrations
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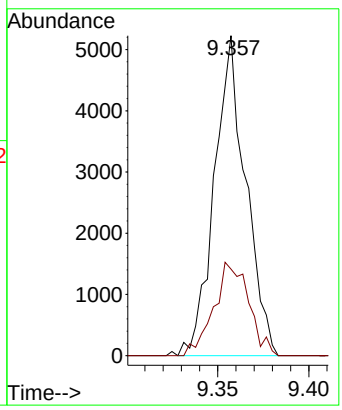
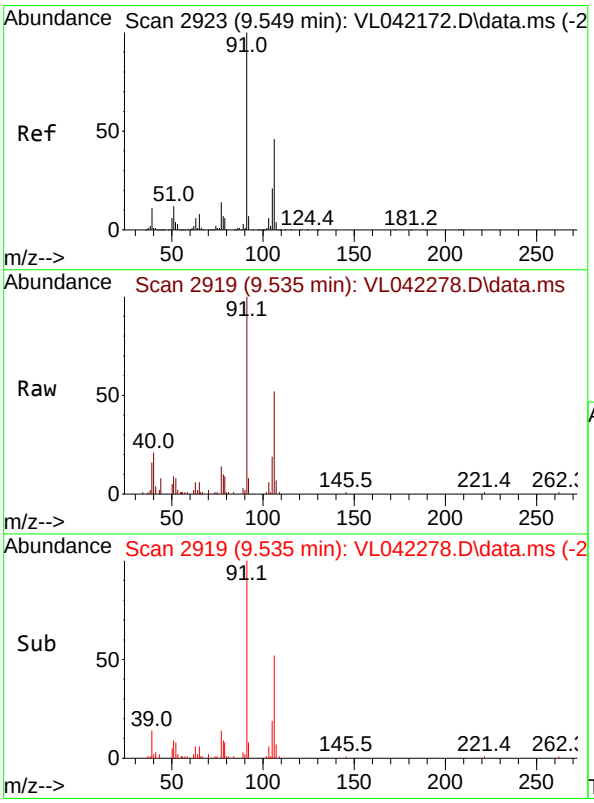
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

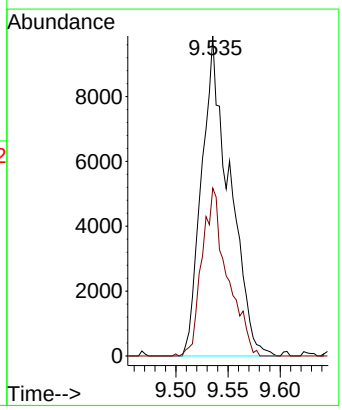


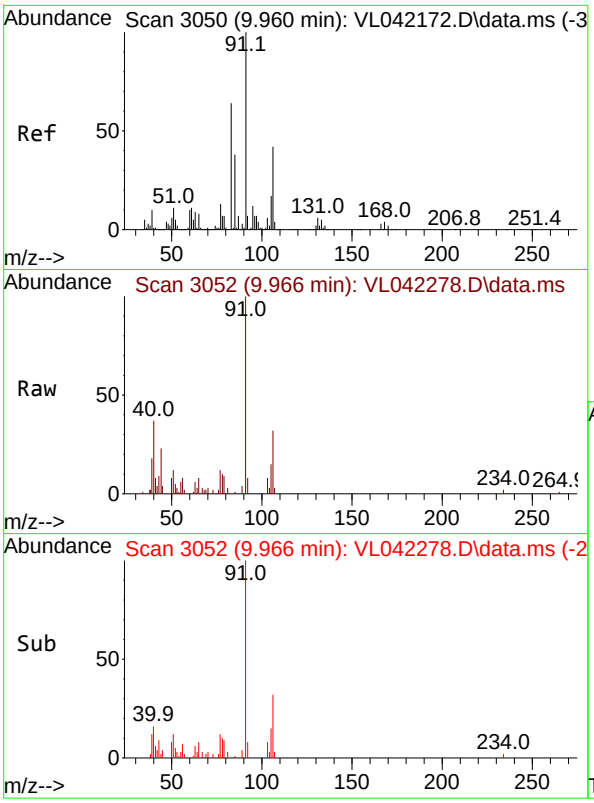


#59
m/p-Xylene
Concen: 0.367 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.013 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 91 Resp: 18297

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#





#60
o-Xylene
Concen: 0.137 ppbv
RT: 9.966 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 91 Resp: 683

Ion	Ratio	Lower	Upper
91	100		
106	40.7	20.8	62.5

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-5-04012025

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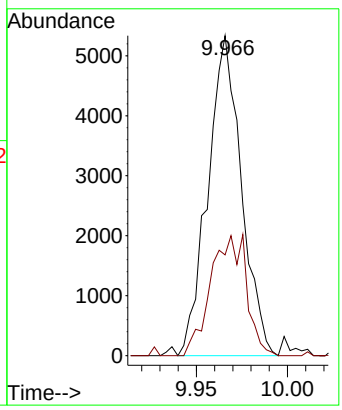
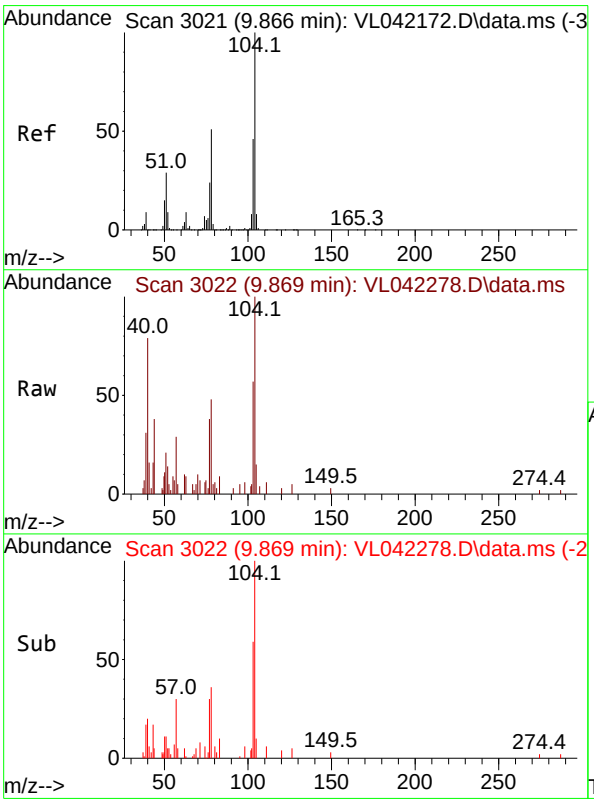
Supervised By :Semsettin Yesilyurt 04/10/2025

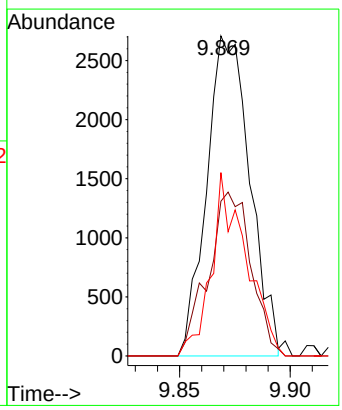


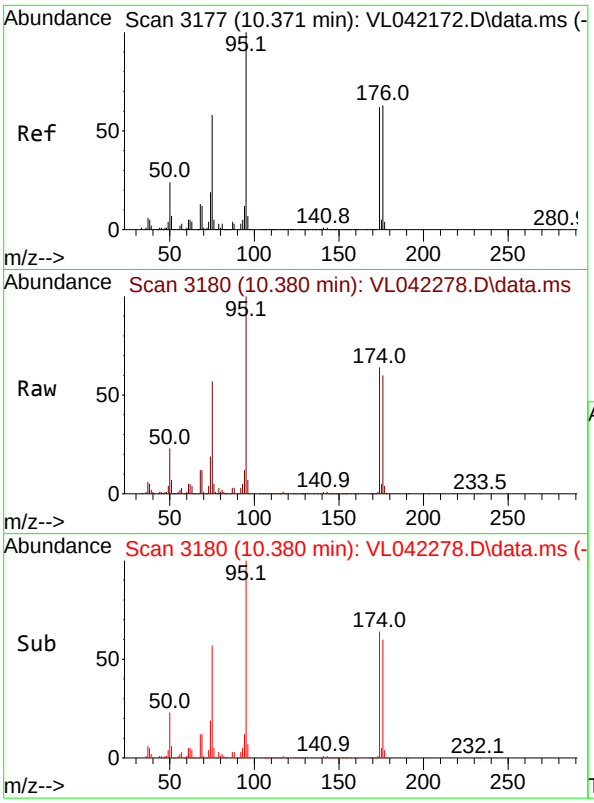


#61
Styrene
Concen: 0.149 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.003 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion:104 Resp: 3678

Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.8	62.6
103	45.7	37.0	55.4

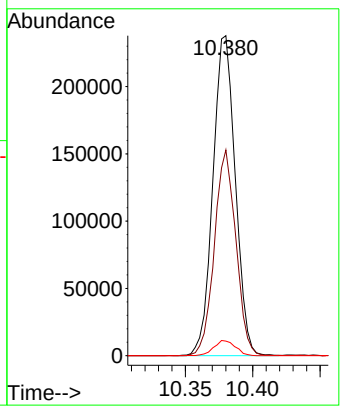




#68
1-Bromo-4-Fluorobenzene
Concen: 9.509 ppbv
RT: 10.380 min Scan# 3
Delta R.T. 0.009 min
Lab File: VL042278.D
Acq: 09 Apr 2025 00:15

Tgt Ion: 95 Resp: 27475

Ion	Ratio	Lower	Upper
95	100		
174	61.7	50.6	76.0
175	4.6	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-5-04012025

Manual Integrations
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Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025