

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041927.D
 Acq On : 20 Jan 2025 19:17
 Operator : SY/MD
 Sample : Q1090-05DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 03:07:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		2.780	49	136080	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene		3.949	114	372383	10.000	ppbv	-0.03
55) Chlorobenzene-d5		8.872	117	324406	10.000	ppbv	-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.367	95	257279	10.069	ppbv	-0.02
Spiked Amount		10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds						Qvalue	
2) Dichlorodifluoromethane		1.496	85	8167	0.441	ppbv	99
3) Chlorodifluoromethane		1.473	51	5703m	0.294	ppbv	
4) Chloromethane		1.528	50	3792	0.544	ppbv	99
9) Propene		1.483	41	4693	0.587	ppbv #	79
11) Trichlorofluoromethane		1.874	101	4065	0.211	ppbv	93
13) Ethanol		1.719	45	12126	20.696	ppbv	91
15) Acetone		1.832	43	52167	3.192	ppbv	99
19) Isopropyl Alcohol		1.884	45	6564	0.677	ppbv #	1
20) Methylene Chloride		2.059	84	1992	0.308	ppbv #	78
34) 2-Butanone		2.557	43	4785	0.202	ppbv	97
35) Carbon Tetrachloride		3.751	117	2007m	0.086	ppbv	
36) Benzene		3.648	78	6457	0.189	ppbv #	87
53) Toluene		6.920	91	7092m	0.191	ppbv	
59) m/p-Xylene		9.522	91	4303m	0.106	ppbv	

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

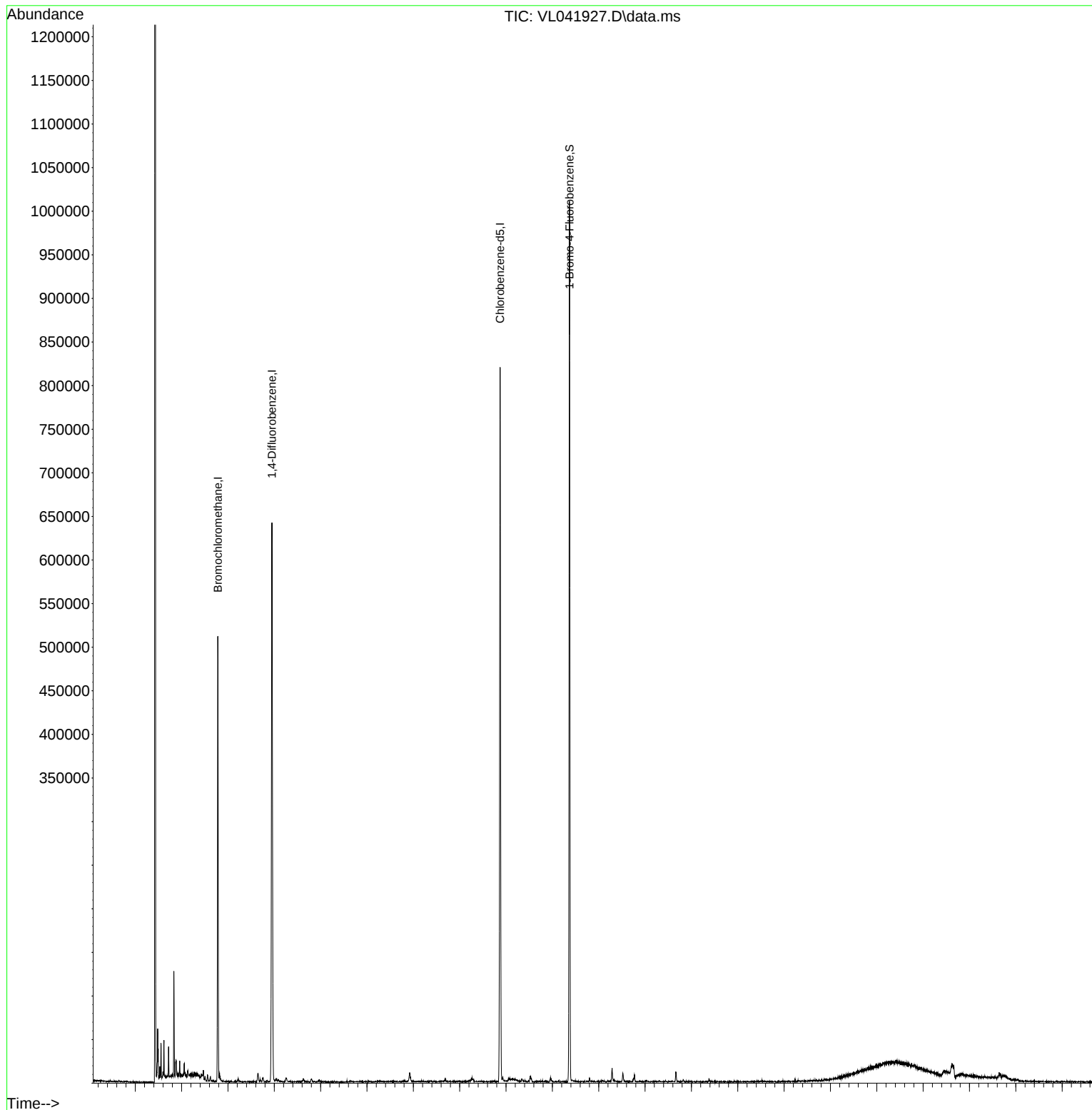
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
Data File : VL041927.D
Acq On : 20 Jan 2025 19:17
Operator : SY/MD
Sample : Q1090-05DUP
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

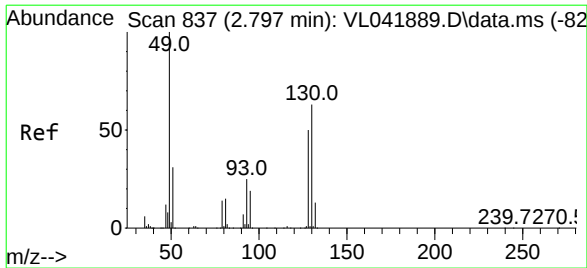
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Quant Time: Jan 21 03:07:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

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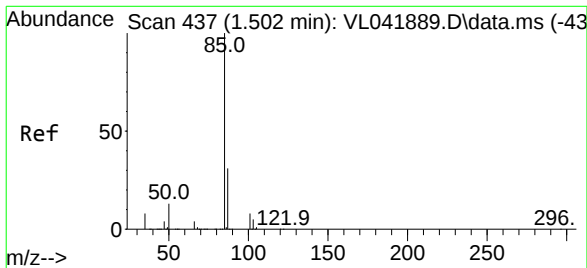
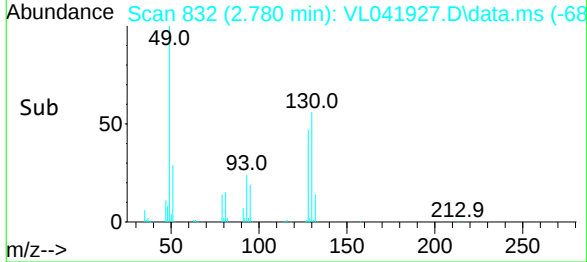
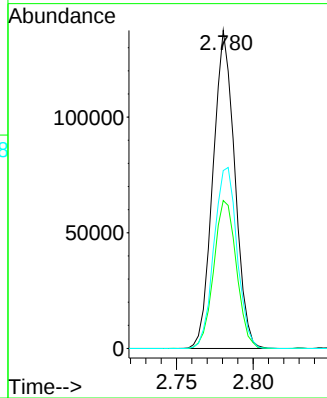
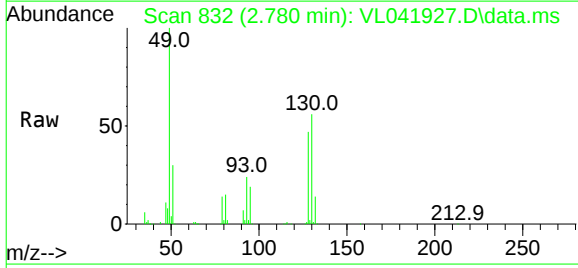
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 837
Delta R.T. -0.017 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 49 Resp: 136080
Ion Ratio Lower Upper
49 100
128 48.4 24.3 73.0
130 60.4 31.1 93.2

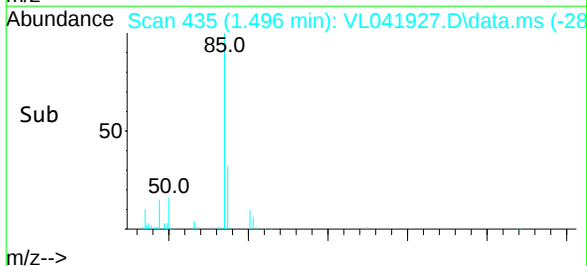
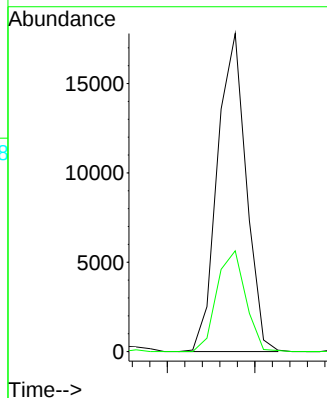
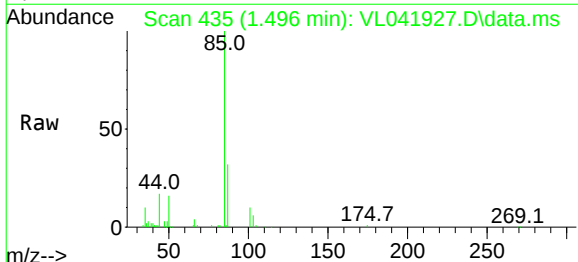
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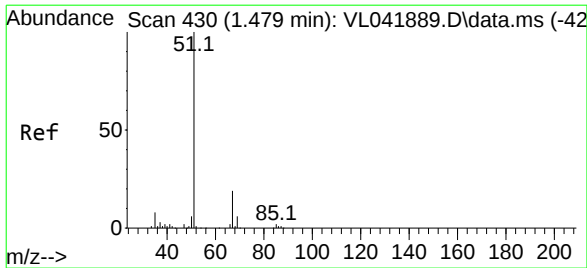
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.441 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

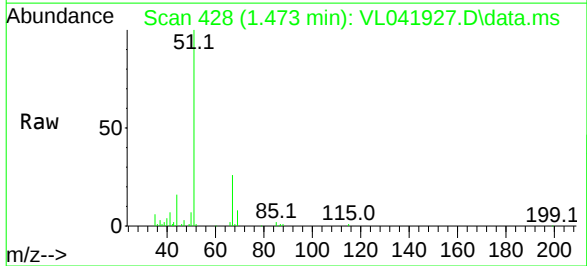
Tgt Ion: 85 Resp: 8167
Ion Ratio Lower Upper
85 100
87 31.7 24.9 37.3





#3
Chlorodifluoromethane
Concen: 0.294 ppbv m
RT: 1.473 min Scan# 42
Delta R.T. -0.006 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

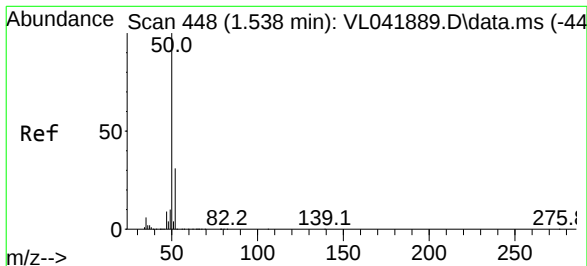
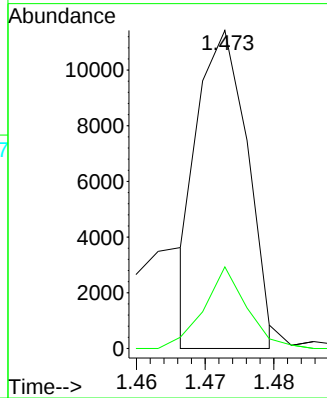
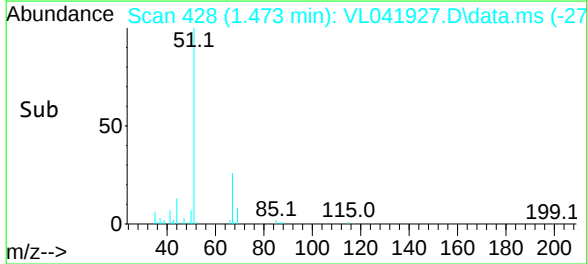
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 51 Resp: 5703
Ion Ratio Lower Upper
51 100
67 23.3 15.0 22.4#

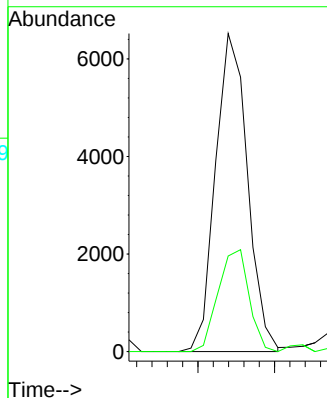
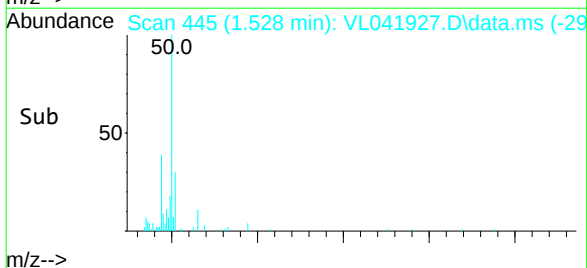
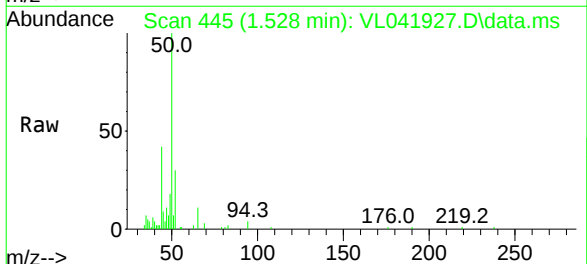
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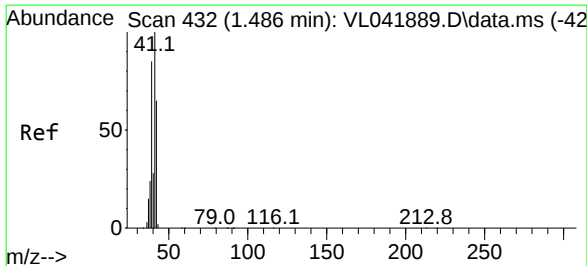
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 0.544 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

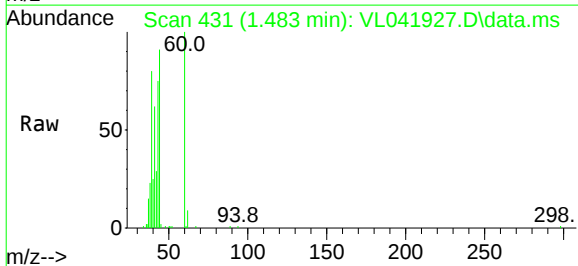
Tgt Ion: 50 Resp: 3792
Ion Ratio Lower Upper
50 100
52 30.0 24.6 36.8





#9
 Propene
 Concen: 0.587 ppbv
 RT: 1.483 min Scan# 43
 Delta R.T. -0.003 min
 Lab File: VL041927.D
 Acq: 20 Jan 2025 19:17

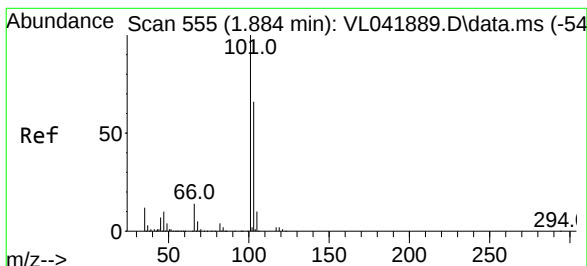
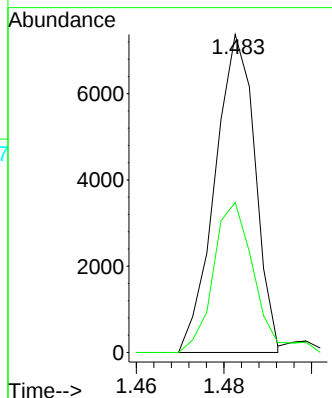
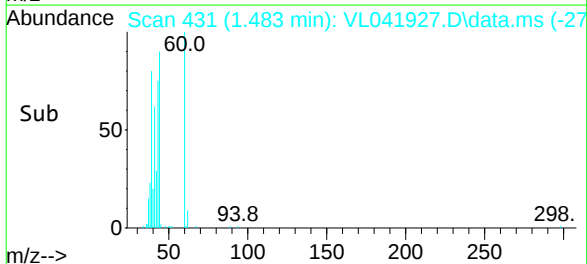
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP



Tgt Ion: 41 Resp: 4693
 Ion Ratio Lower Upper
 41 100
 42 48.2 52.0 78.0#

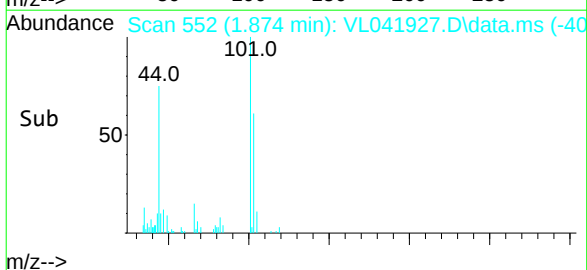
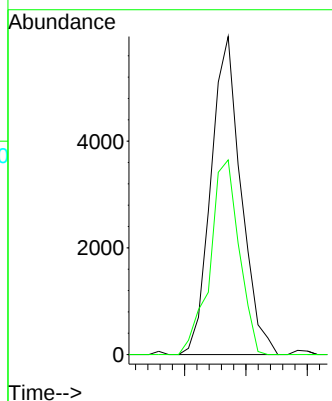
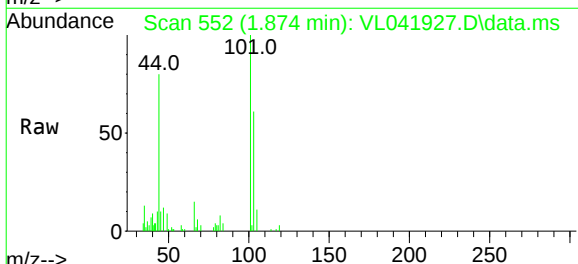
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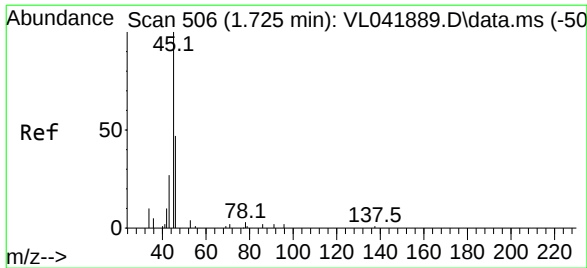
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025



#11
 Trichlorofluoromethane
 Concen: 0.211 ppbv
 RT: 1.874 min Scan# 552
 Delta R.T. -0.010 min
 Lab File: VL041927.D
 Acq: 20 Jan 2025 19:17

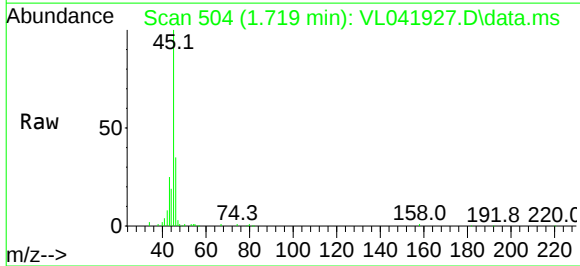
Tgt Ion:101 Resp: 4065
 Ion Ratio Lower Upper
 101 100
 103 61.2 53.1 79.7





#13
Ethanol
Concen: 20.696 ppbv
RT: 1.719 min Scan# 506
Delta R.T. -0.006 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

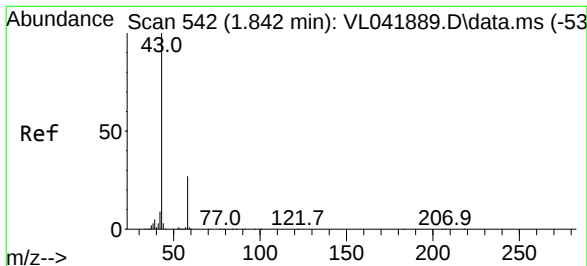
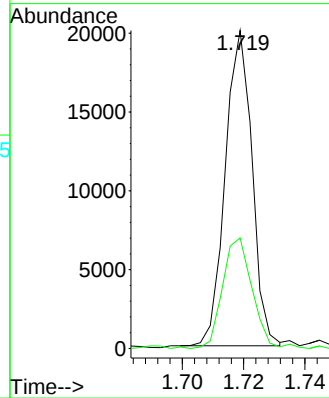
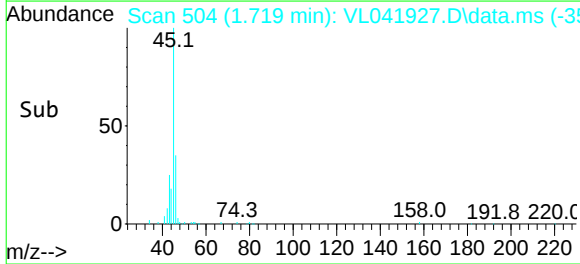
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 45 Resp: 12126
Ion Ratio Lower Upper
45 100
46 39.6 18.1 72.5

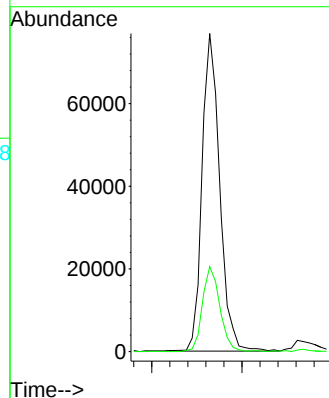
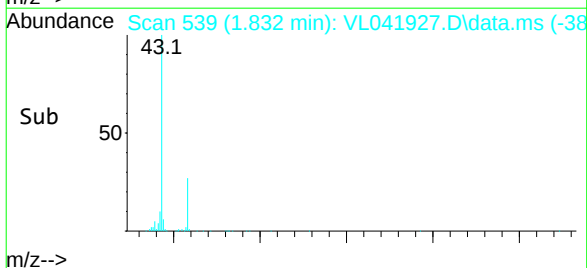
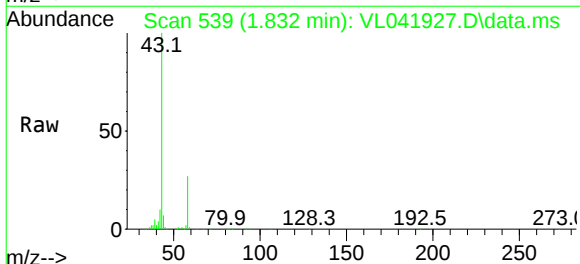
Manual Integrations
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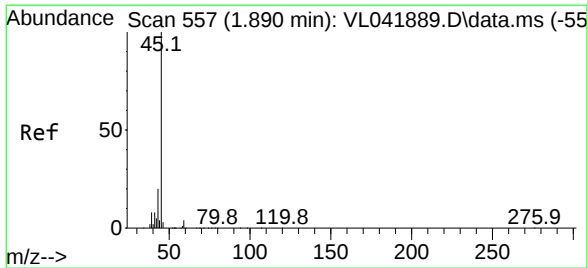
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#15
Acetone
Concen: 3.192 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

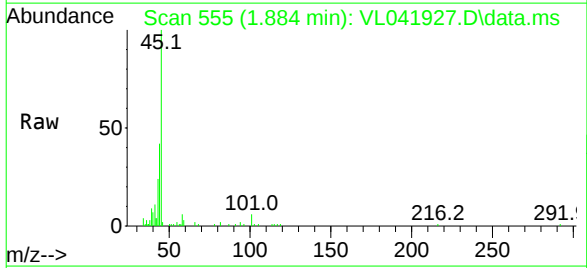
Tgt Ion: 43 Resp: 52167
Ion Ratio Lower Upper
43 100
58 26.7 21.9 32.9





#19
Isopropyl Alcohol
Concen: 0.677 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.006 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

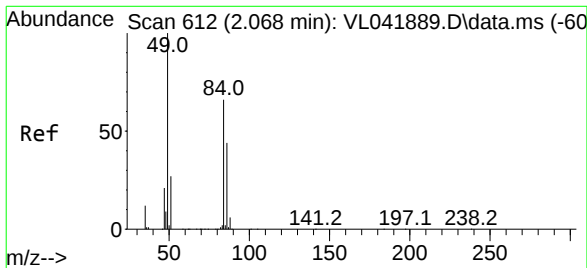
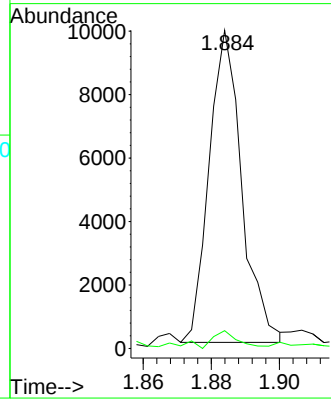
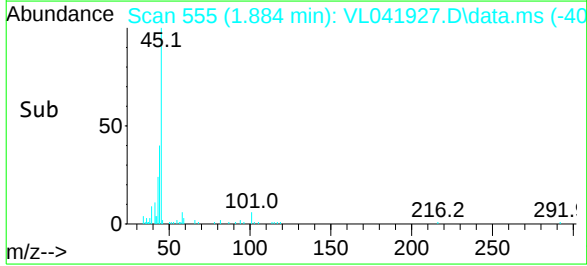
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



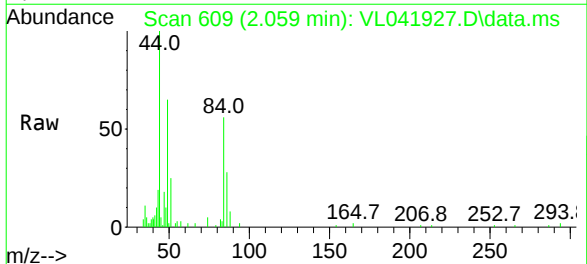
Tgt Ion: 45 Resp: 6564
Ion Ratio Lower Upper
45 100
58 212.5 35.0 52.6#

Manual Integrations
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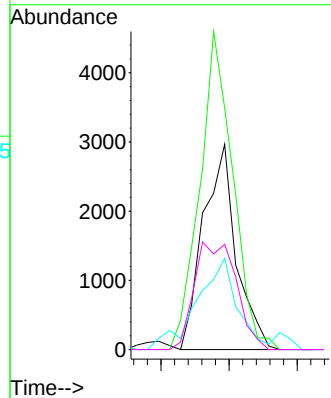
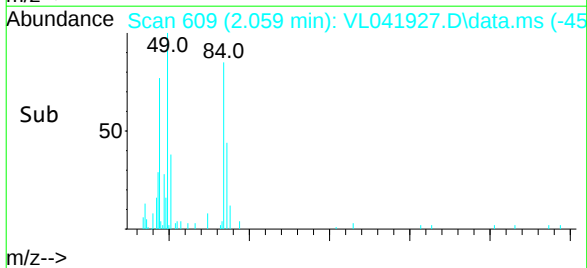
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

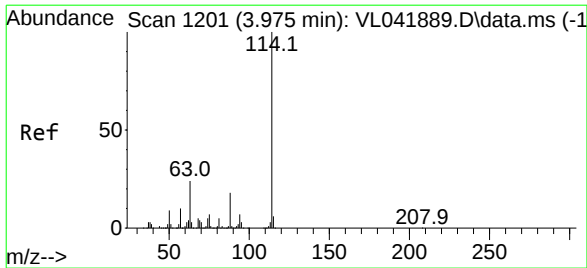


#20
Methylene Chloride
Concen: 0.308 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17



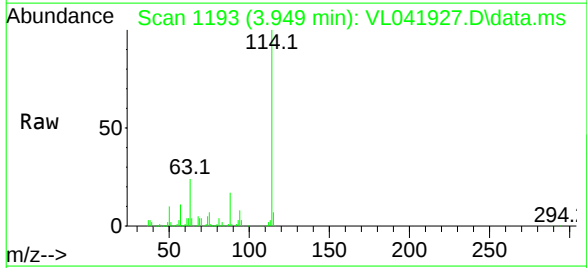
Tgt Ion: 84 Resp: 1992
Ion Ratio Lower Upper
84 100
49 121.6 123.1 184.7#
51 36.8 35.8 53.8
86 51.3 53.7 80.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 111
Delta R.T. -0.026 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

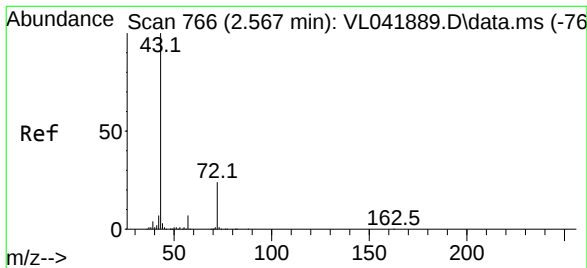
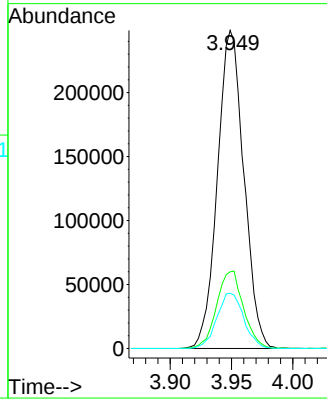
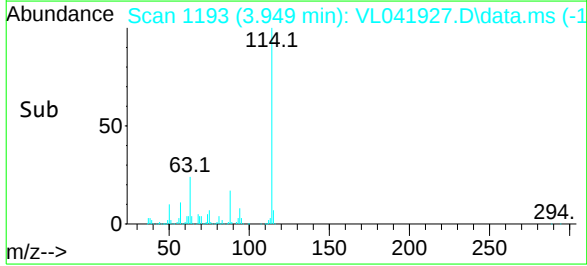
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 114 Resp: 372383
Ion Ratio Lower Upper
114 100
63 24.8 19.8 29.6
88 17.7 14.4 21.6

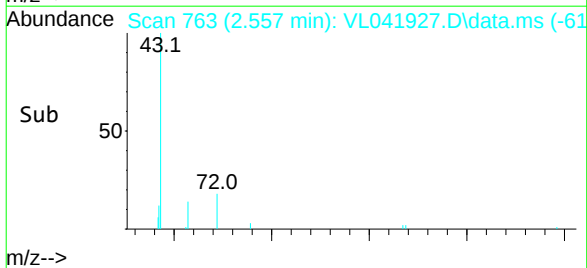
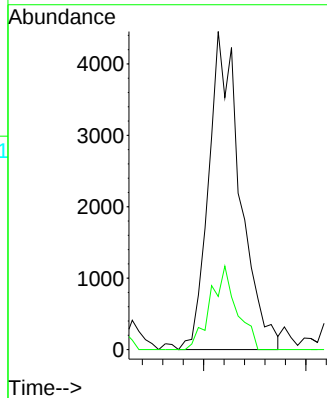
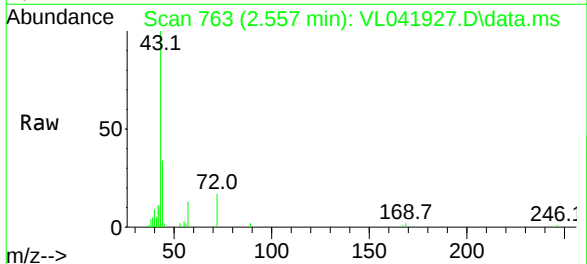
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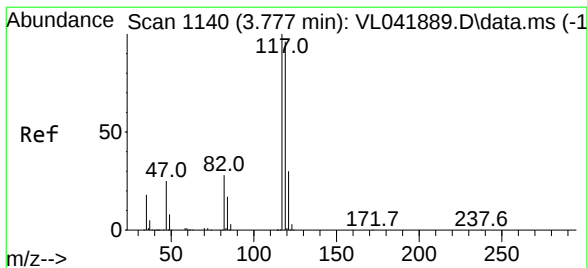
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#34
2-Butanone
Concen: 0.202 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.010 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

Tgt Ion: 43 Resp: 4785
Ion Ratio Lower Upper
43 100
72 21.8 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.086 ppbv m

RT: 3.751 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL041927.D

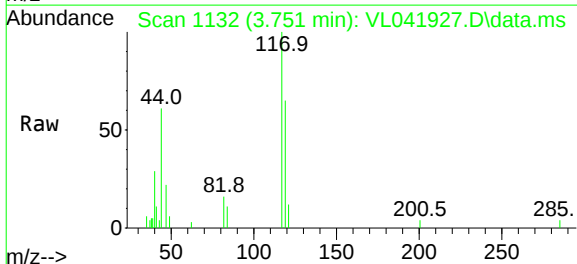
Acq: 20 Jan 2025 19:17

Instrument :

MSVOA_L

ClientSampleId :

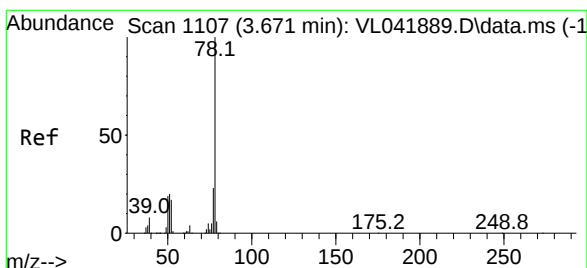
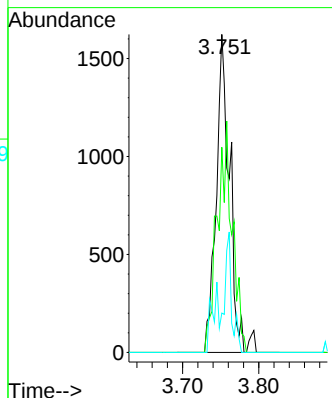
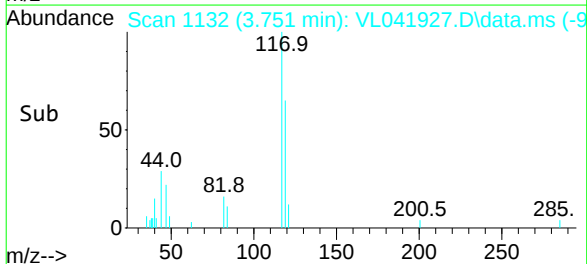
OA1DUP



Tgt Ion:	117	Resp:	2007
Ion	Ratio	Lower	Upper
117	100		
119	64.5	76.9	115.3#
121	12.4	23.8	35.6#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#36

Benzene

Concen: 0.189 ppbv

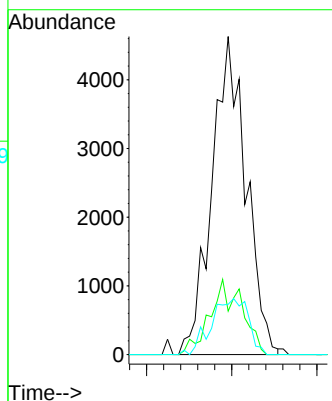
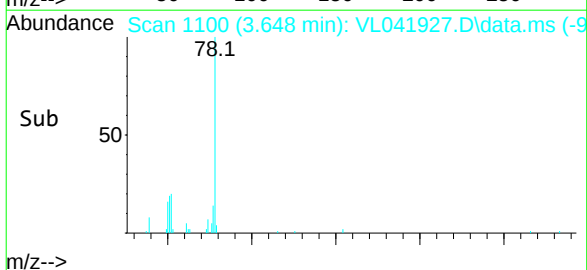
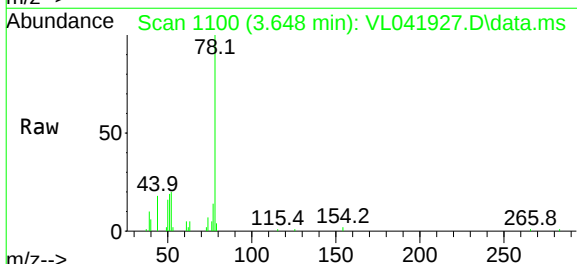
RT: 3.648 min Scan# 1100

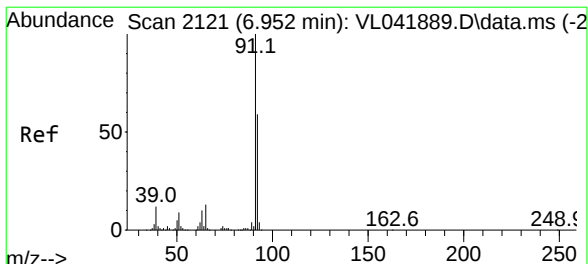
Delta R.T. -0.023 min

Lab File: VL041927.D

Acq: 20 Jan 2025 19:17

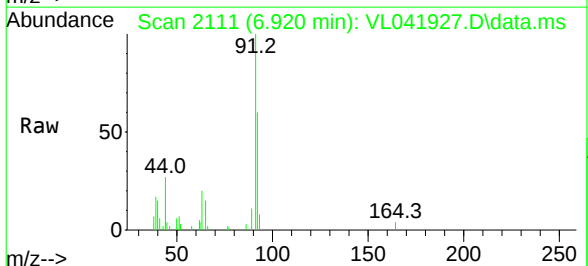
Tgt Ion:	78	Resp:	6457
Ion	Ratio	Lower	Upper
78	100		
77	13.7	18.1	27.1#
50	15.8	15.2	22.8





#53
Toluene
Concen: 0.191 ppbv m
RT: 6.920 min Scan# 2111
Delta R.T. -0.032 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

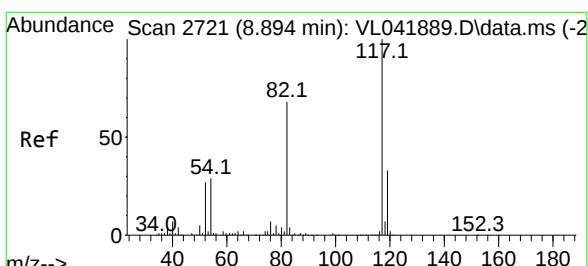
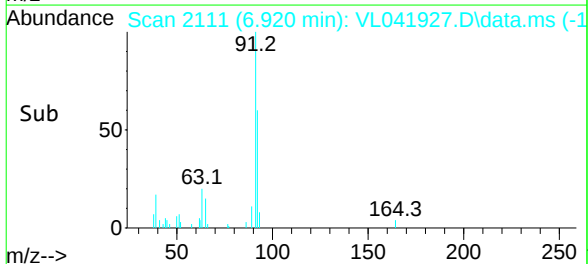
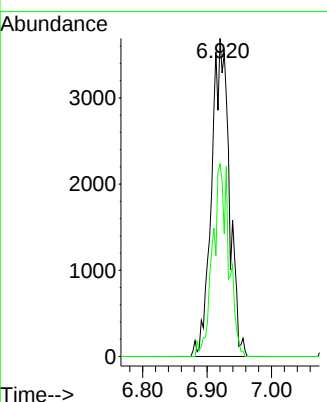
Instrument : MSVOA_L
ClientSampleId : OA1DUP



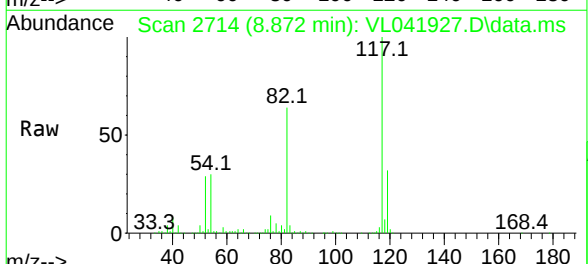
Tgt Ion: 91 Resp: 7092

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0

Manual Integrations
APPROVED
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

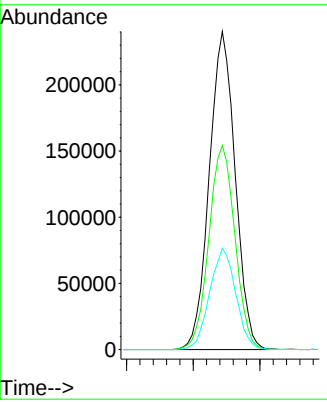
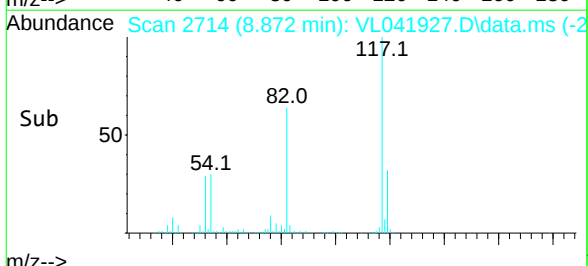


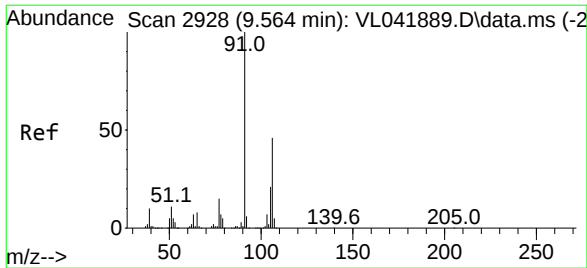
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.023 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17



Tgt Ion: 117 Resp: 324406

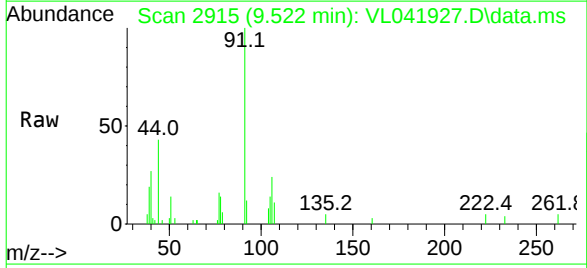
Ion	Ratio	Lower	Upper
117	100		
82	64.6	54.2	81.4
119	32.1	25.0	37.6





#59
m/p-Xylene
Concen: 0.106 ppbv m
RT: 9.522 min Scan# 2915
Delta R.T. -0.042 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17

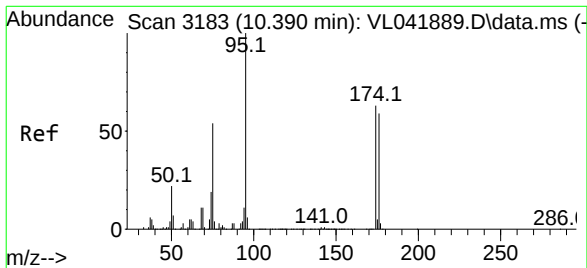
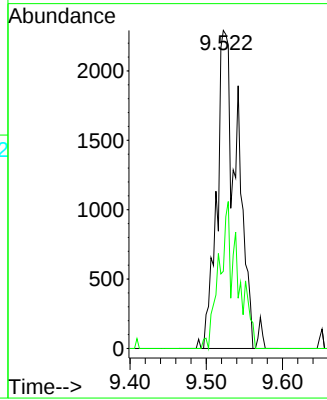
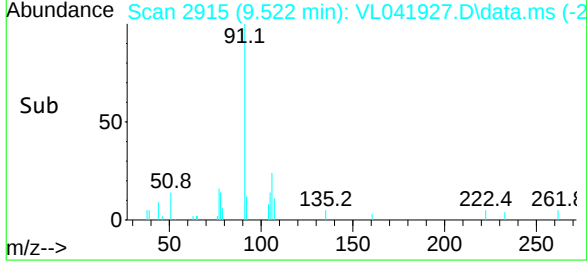
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



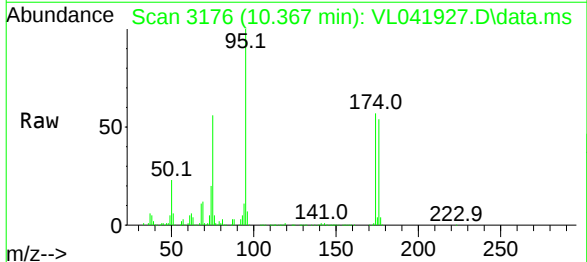
Tgt Ion: 91 Resp: 4303
Ion Ratio Lower Upper
91 100
106 0.0 36.0 54.0#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.069 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.023 min
Lab File: VL041927.D
Acq: 20 Jan 2025 19:17



Tgt Ion: 95 Resp: 257279
Ion Ratio Lower Upper
95 100
174 58.7 49.0 73.4
175 4.3 3.8 5.8

