

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
 Data File : VL041289.D
 Acq On : 24 May 2024 13:41
 Operator : SY/MD
 Sample : P2599-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
 Supervised By :Mahesh Dadoda 05/28/2024

Quant Time: May 24 23:21:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 24 23:11:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1035077	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2671502	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2435620	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1933966 10.518 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.200%

Target Compounds

						Qvalue
9) Propene	2.726	41	46433	0.755	ppbv	97
10) Heptane	7.594	43	19446m	0.130	ppbv	
11) Trichlorofluoromethane	3.591	101	1192698	8.382	ppbv	99
13) Ethanol	3.279	45	22035m	1.598	ppbv	
15) Acetone	3.494	43	895819	7.333	ppbv	96
20) Methylene Chloride	3.957	84	89523	2.107	ppbv	98
25) Ethyl Acetate	5.234	43	148968	0.611	ppbv #	77
26) Hexane	5.230	57	222352	2.043	ppbv #	41
32) 1,1,1-Trichloroethane	6.015	97	16121m	0.108	ppbv	
34) 2-Butanone	4.812	43	367572	2.703	ppbv	100
36) Benzene	6.385	78	44109m	0.197	ppbv	
51) 2-Hexanone	9.590	43	38852m	0.215	ppbv	
52) Tetrachloroethene	10.632	164	44894m	0.570	ppbv	
53) Toluene	9.237	91	77634m	0.299	ppbv	
59) m/p-Xylene	12.359	91	51611m	0.184	ppbv	
60) o-Xylene	13.069	91	27578m	0.105	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	32426m	0.110	ppbv	

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

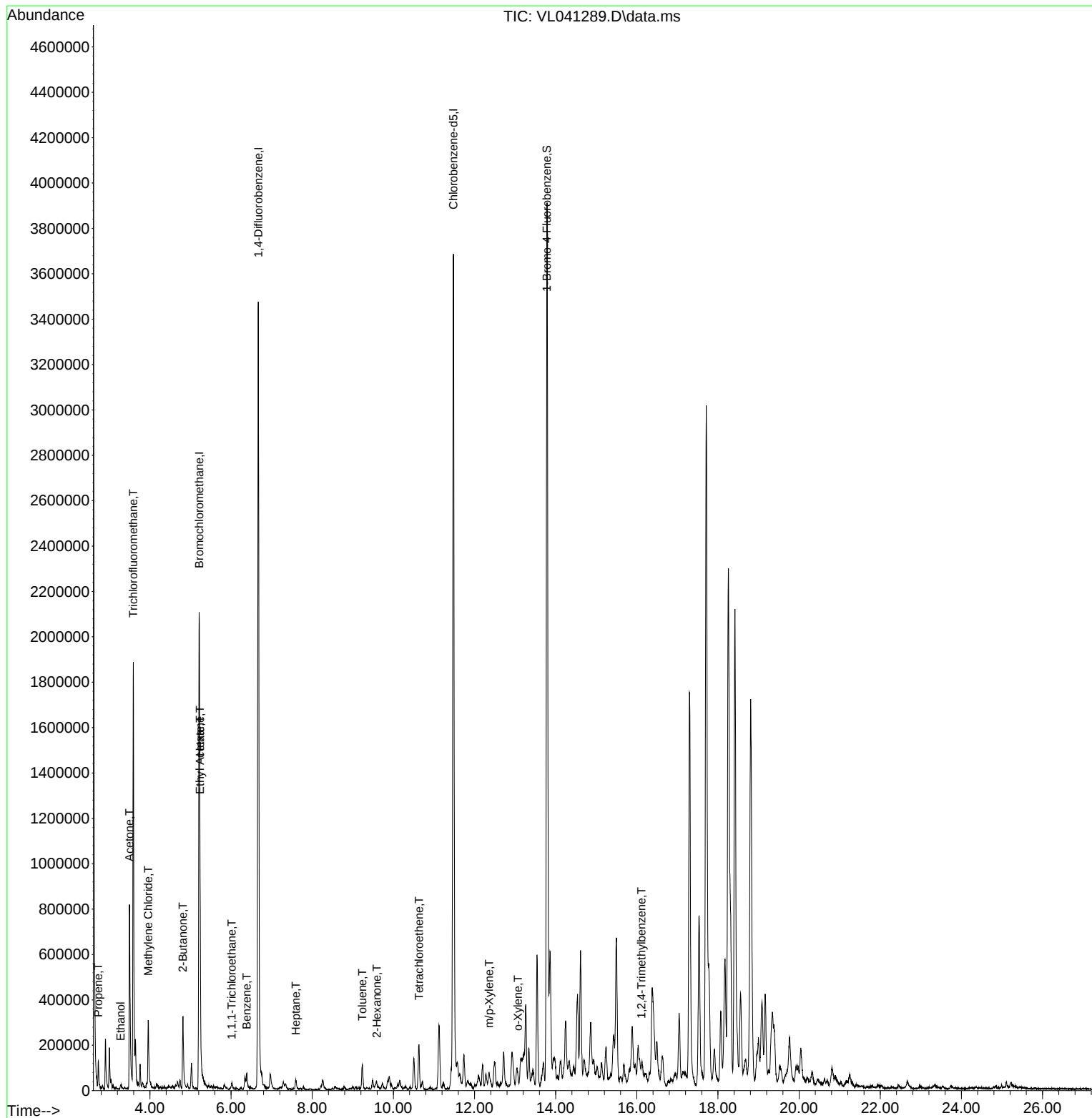
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052424\
Data File : VL041289.D
Acq On : 24 May 2024 13:41
Operator : SY/MD
Sample : P2599-02DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

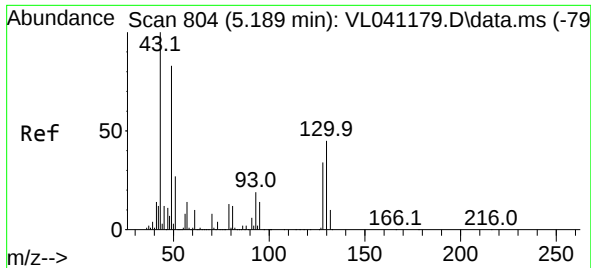
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Quant Time: May 24 23:21:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 24 23:11:50 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

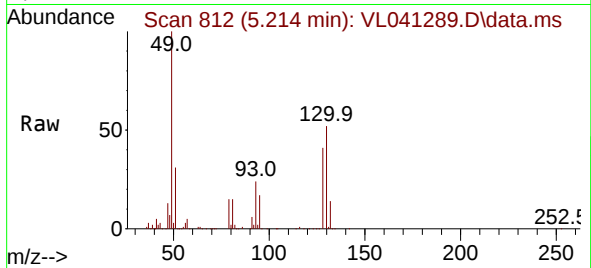
Reviewed By : Semsettin Yesilyurt 05/28/2024
Supervised By : Mahesh Dadoda 05/28/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

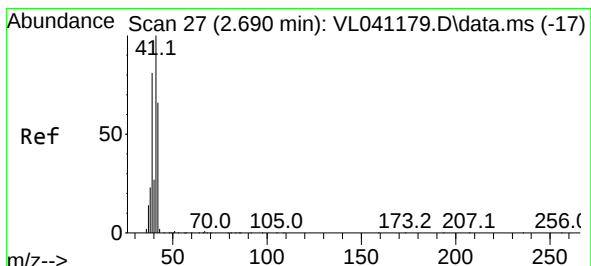
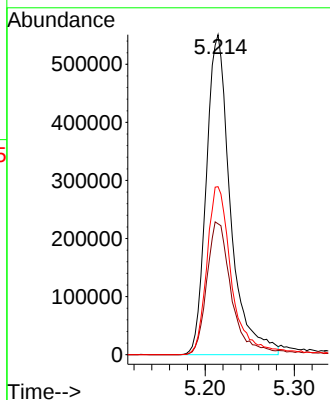
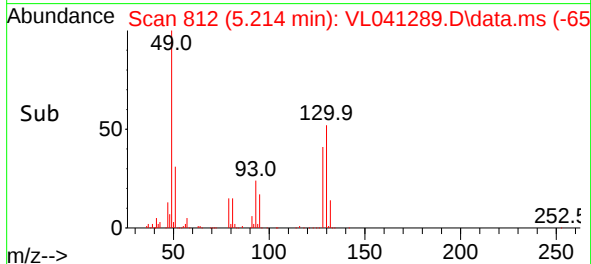
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



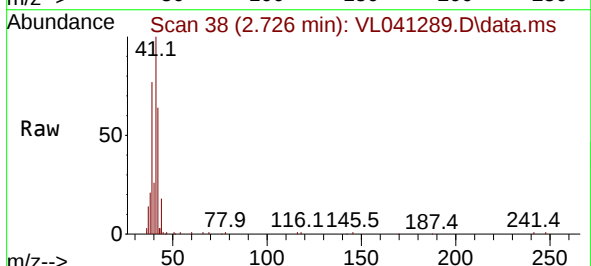
Tgt Ion: 49 Resp: 103507
Ion Ratio Lower Upper
49 100
128 44.4 21.5 64.5
130 55.8 27.2 81.6

Manual Integrations
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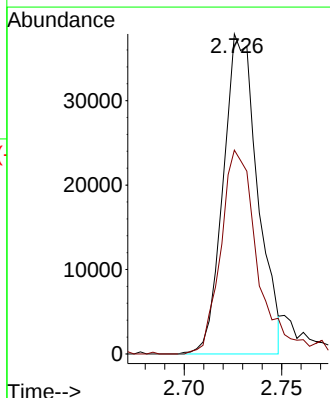
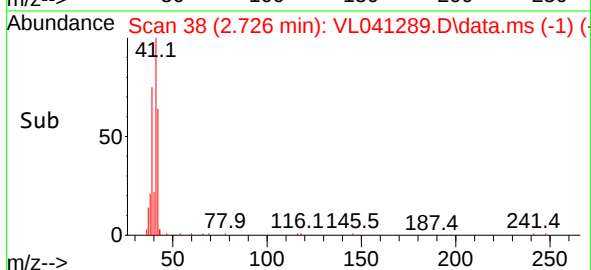
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

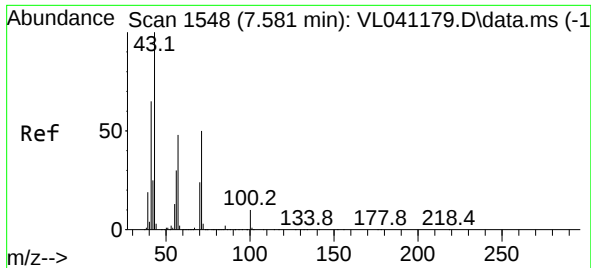


#9
Propene
Concen: 0.755 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41



Tgt Ion: 41 Resp: 46433
Ion Ratio Lower Upper
41 100
42 71.6 55.3 82.9





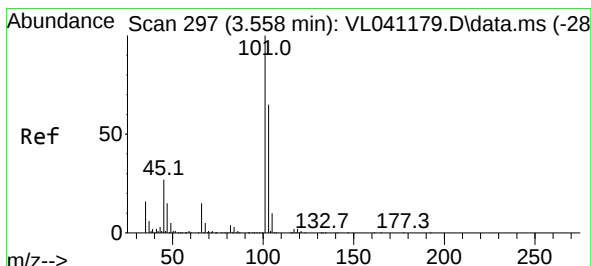
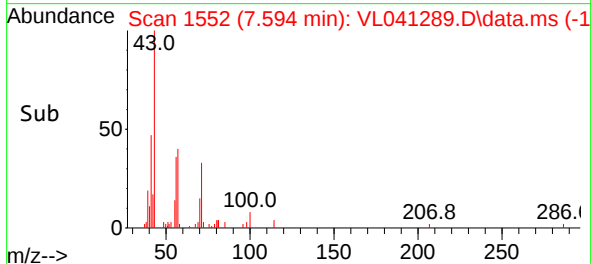
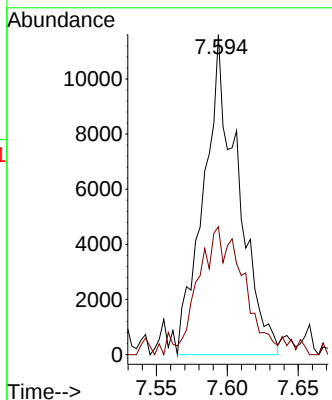
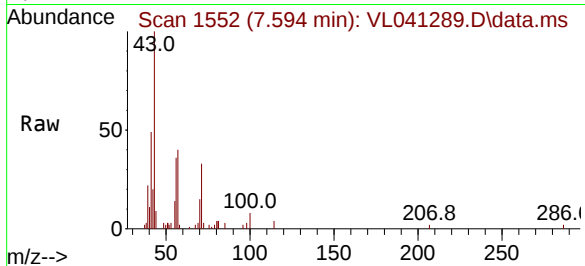
#10
Heptane
Concen: 0.130 ppbv m
RT: 7.594 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 19440
Ion Ratio Lower Upper
43 100
57 57.9 38.7 58.1

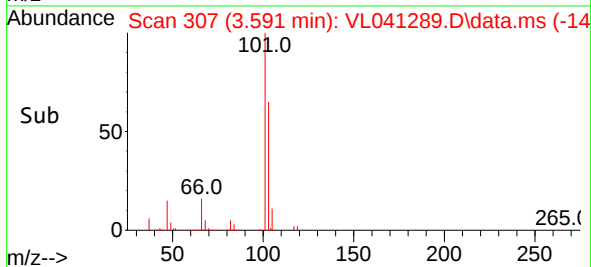
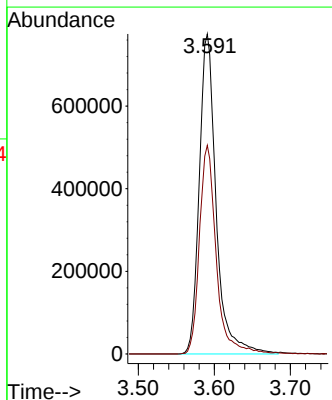
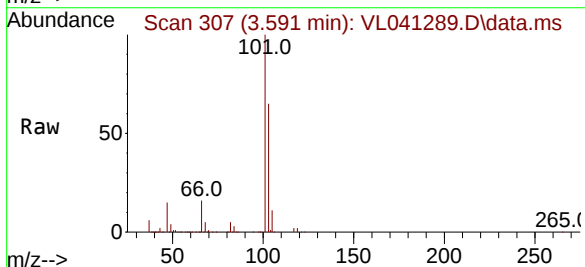
Manual Integrations
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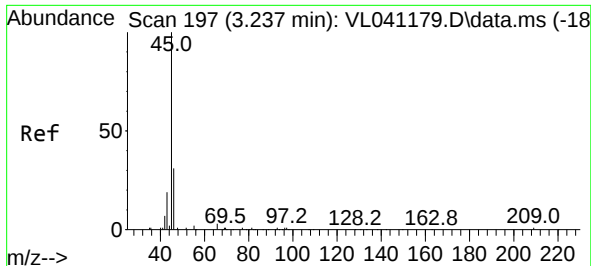
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#11
Trichlorofluoromethane
Concen: 8.382 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

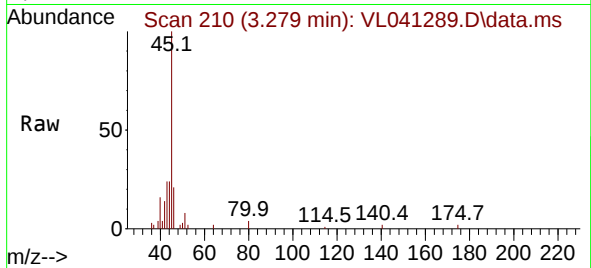
Tgt Ion:101 Resp: 1192698
Ion Ratio Lower Upper
101 100
103 65.2 51.6 77.4





#13
Ethanol
Concen: 1.598 ppbv m
RT: 3.279 min Scan# 210
Delta R.T. 0.019 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

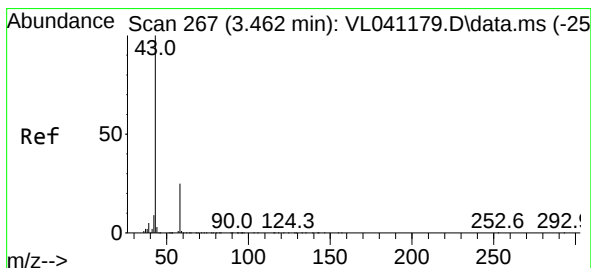
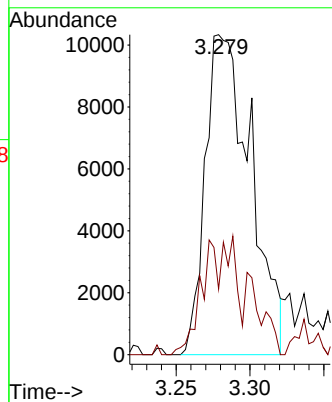
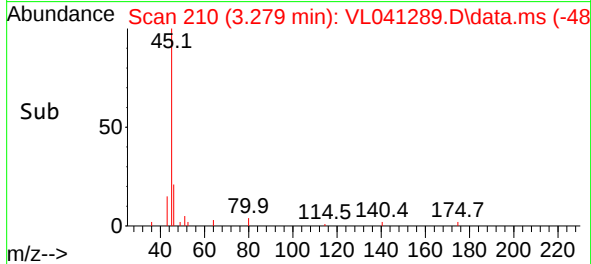
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



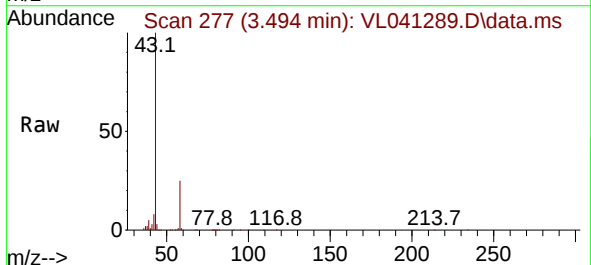
Tgt Ion: 45 Resp: 22035
Ion Ratio Lower Upper
45 100
46 39.2 14.8 59.0

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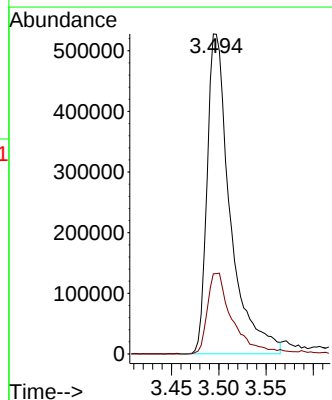
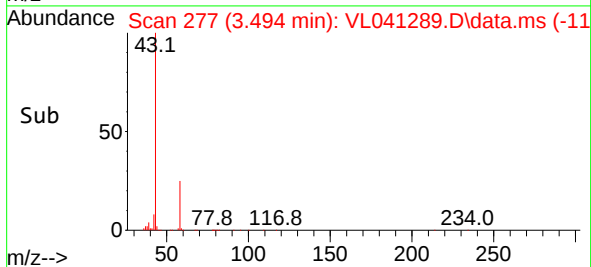
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

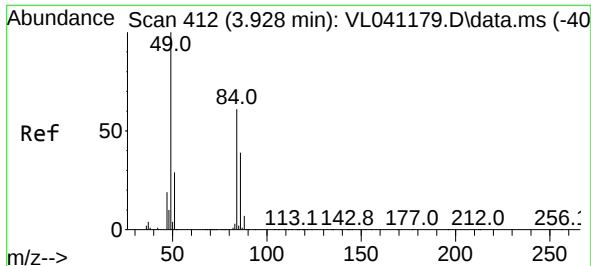


#15
Acetone
Concen: 7.333 ppbv
RT: 3.494 min Scan# 277
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41



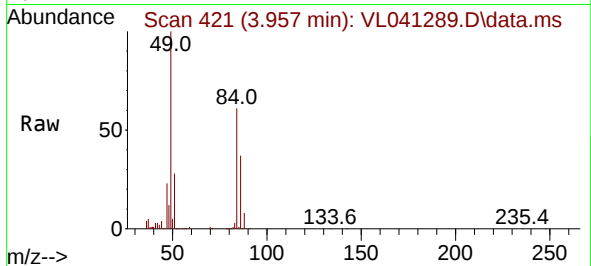
Tgt Ion: 43 Resp: 895819
Ion Ratio Lower Upper
43 100
58 28.6 21.4 32.0





#20
Methylene Chloride
Concen: 2.107 ppbv
RT: 3.957 min Scan# 412
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

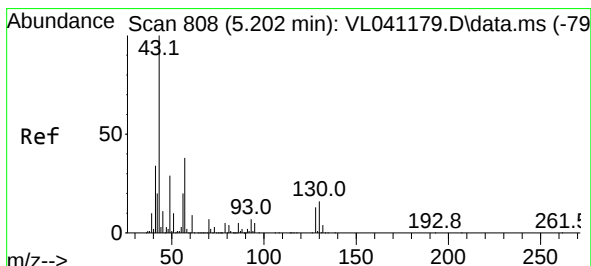
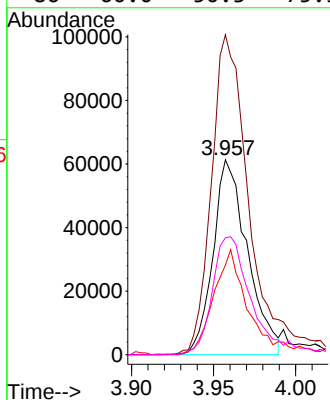
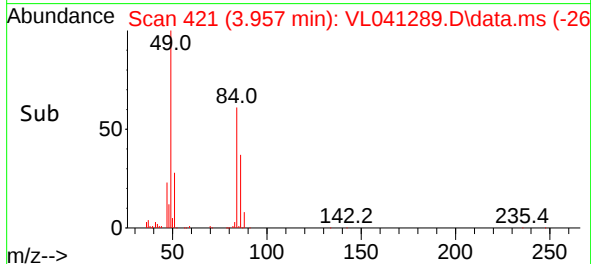
Instrument :
MSVOA_L
Client Sample Id :
SV2DL



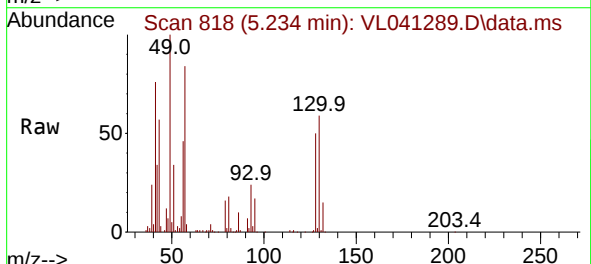
Tgt Ion: 84 Resp: 89523
Ion Ratio Lower Upper
84 100
49 163.6 130.4 195.6
51 45.5 38.0 57.0
86 60.0 50.3 75.5

Manual Integrations
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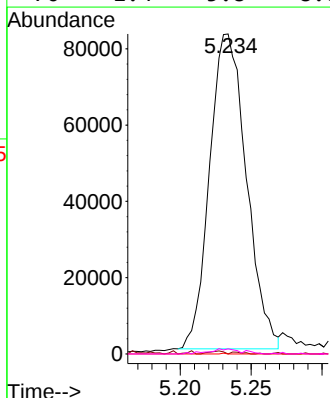
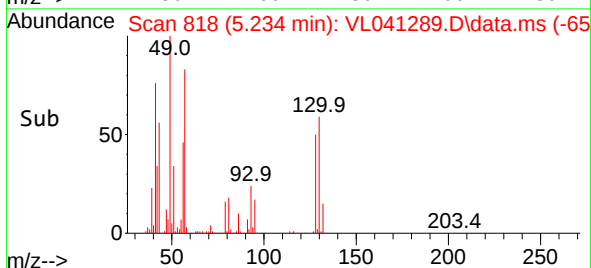
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

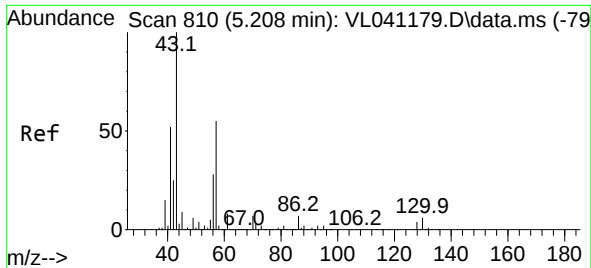


#25
Ethyl Acetate
Concen: 0.611 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.016 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41



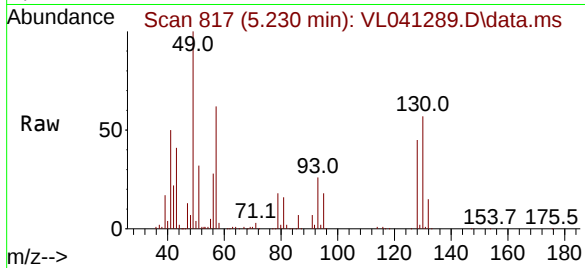
Tgt Ion: 43 Resp: 148968
Ion Ratio Lower Upper
43 100
45 0.6 8.2 12.2#
61 0.0 7.7 11.5#
70 1.4 5.8 8.6#





#26
Hexane
Concen: 2.043 ppbv
RT: 5.230 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

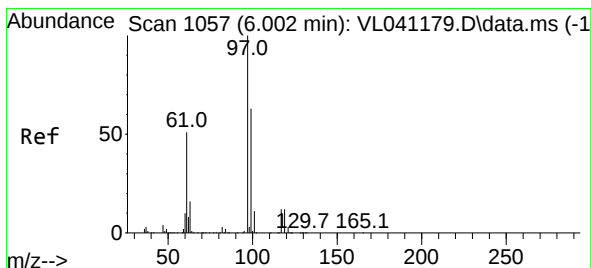
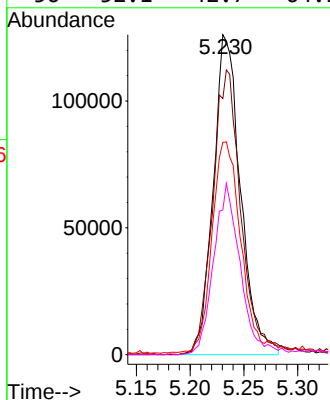
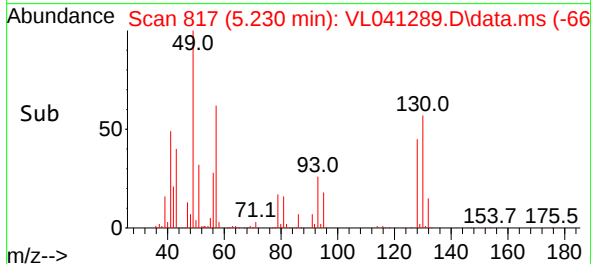
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 57 Resp: 222352
Ion Ratio Lower Upper
57 100
41 95.7 75.8 113.8
43 73.7 187.0 280.4
56 52.1 42.7 64.1

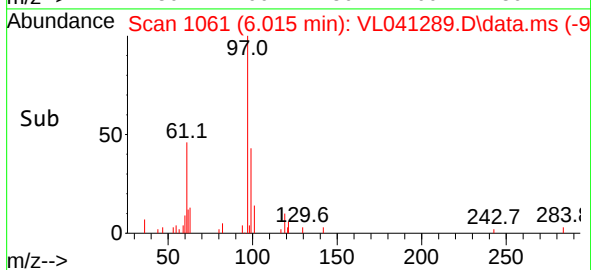
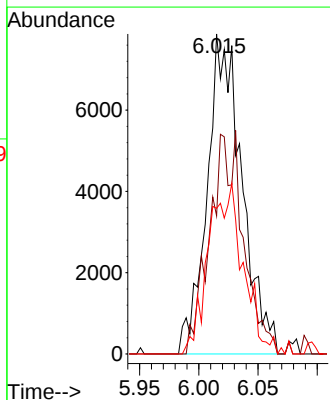
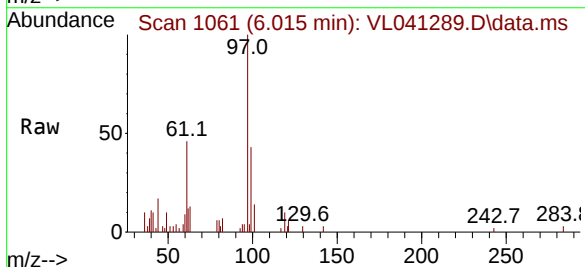
Manual Integrations
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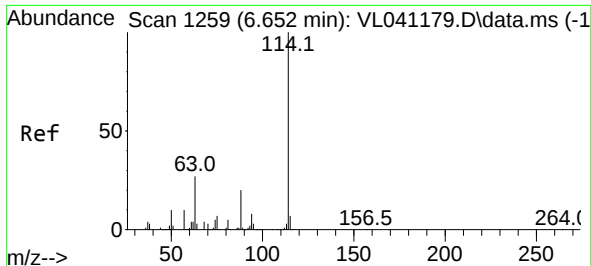
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#32
1,1,1-Trichloroethane
Concen: 0.108 ppbv m
RT: 6.015 min Scan# 1061
Delta R.T. -0.003 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

Tgt Ion: 97 Resp: 16121
Ion Ratio Lower Upper
97 100
99 67.9 51.7 77.5
61 53.0 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL041289.D

Acq: 24 May 2024 13:41

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion:114 Resp: 2671502

Ion Ratio Lower Upper

114 100

63 25.6 21.8 32.6

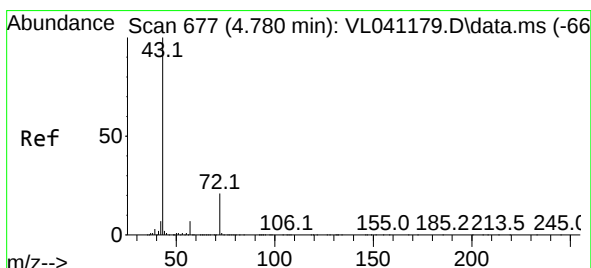
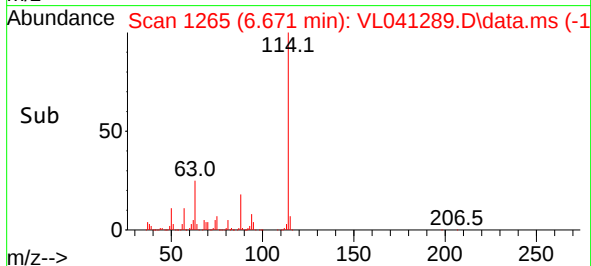
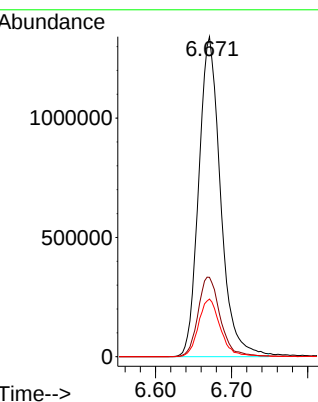
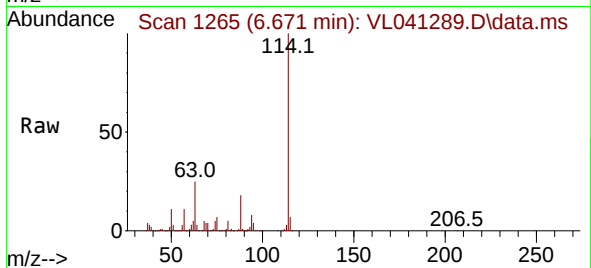
88 18.3 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024

Supervised By :Mahesh Dadoda 05/28/2024



#34

2-Butanone

Concen: 2.703 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.010 min

Lab File: VL041289.D

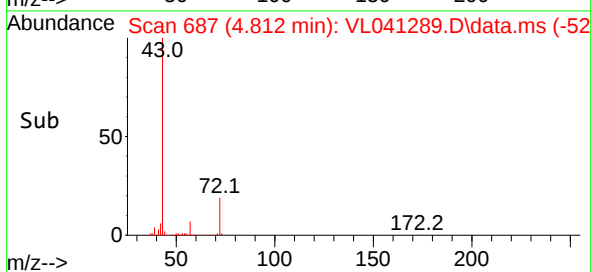
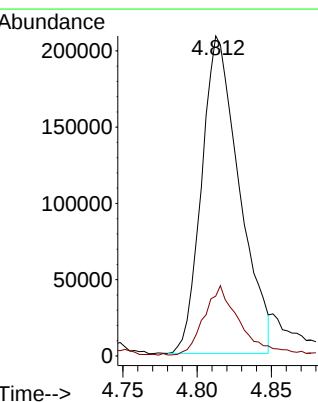
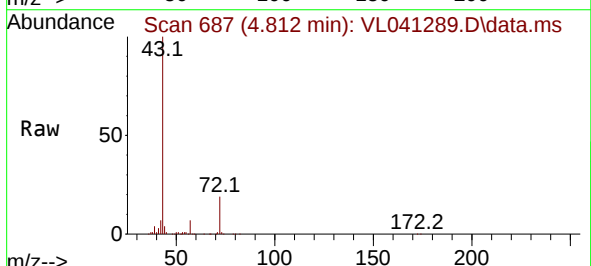
Acq: 24 May 2024 13:41

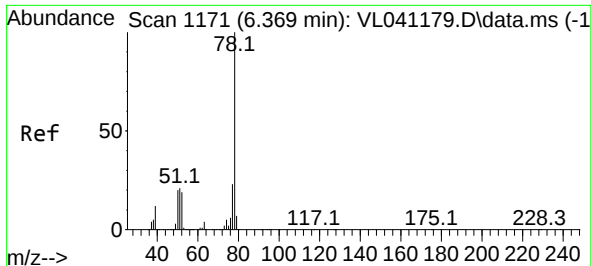
Tgt Ion: 43 Resp: 367572

Ion Ratio Lower Upper

43 100

72 21.4 17.3 25.9





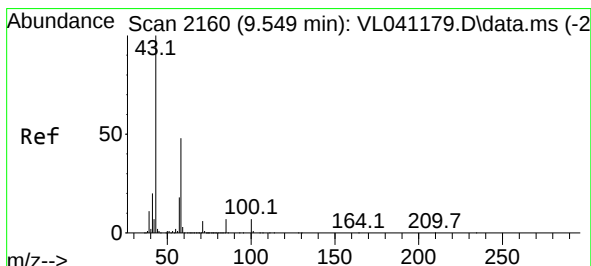
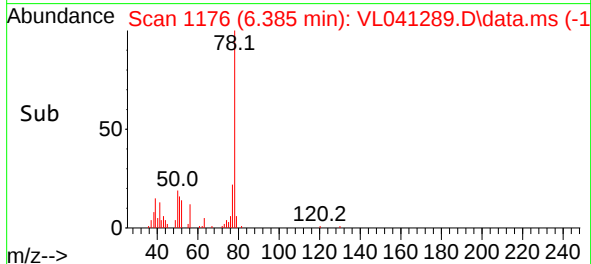
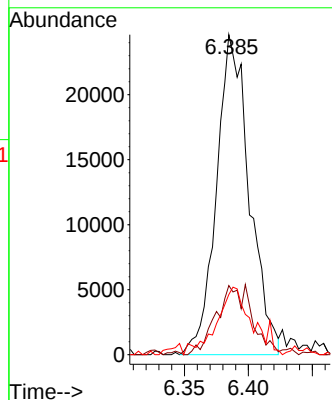
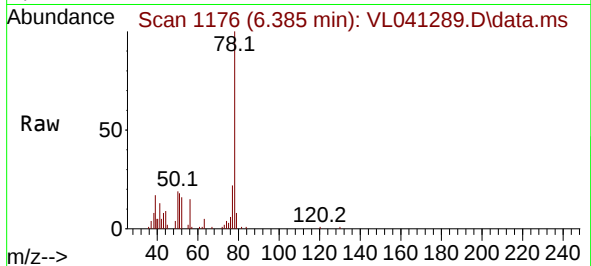
#36
Benzene
Concen: 0.197 ppbv m
RT: 6.385 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 78 Resp: 44109
Ion Ratio Lower Upper
78 100
77 21.6 18.3 27.5
50 18.8 15.9 23.9

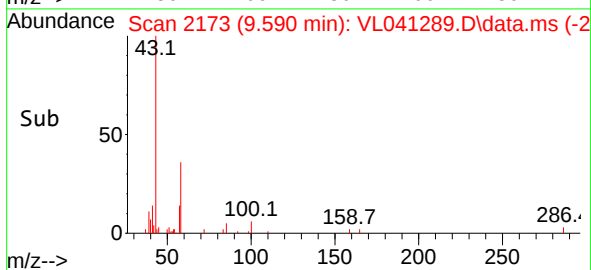
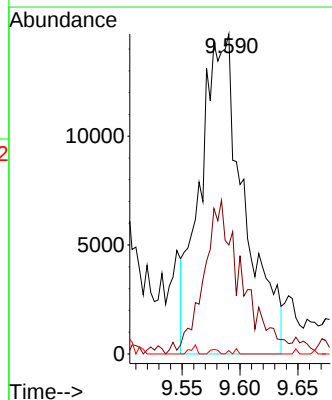
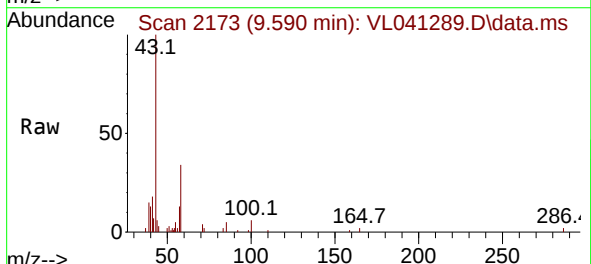
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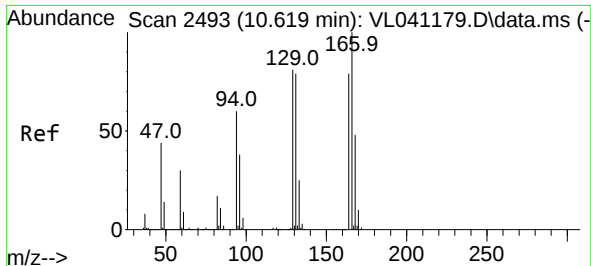
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#51
2-Hexanone
Concen: 0.215 ppbv m
RT: 9.590 min Scan# 2173
Delta R.T. 0.032 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

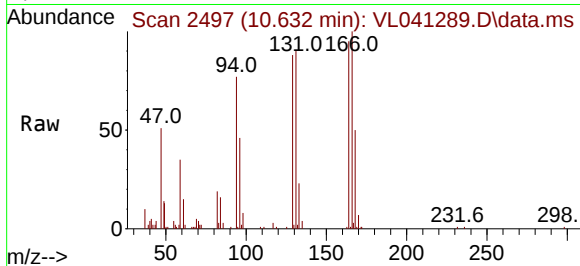
Tgt Ion: 43 Resp: 38852
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.7 0.0 0.0#





#52
Tetrachloroethene
Concen: 0.570 ppbv m
RT: 10.632 min Scan# 2493
Delta R.T. 0.010 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

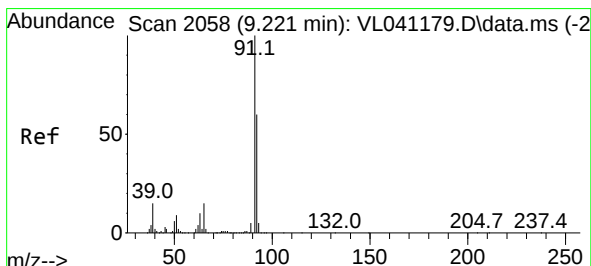
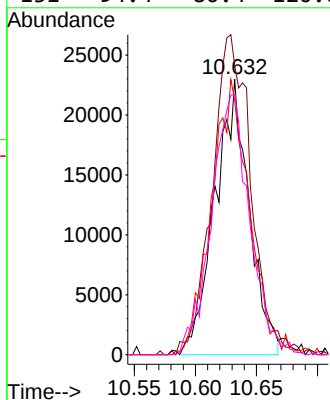
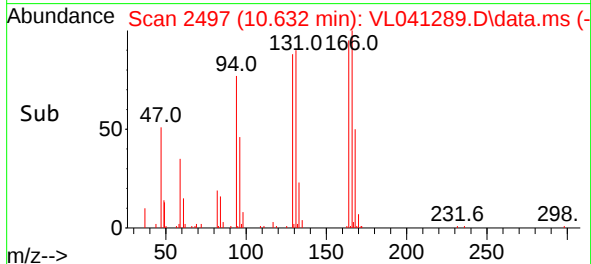
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:164 Resp: 44894
Ion Ratio Lower Upper
164 100
166 104.9 101.1 151.7
129 92.3 81.7 122.5
131 94.4 80.4 120.6

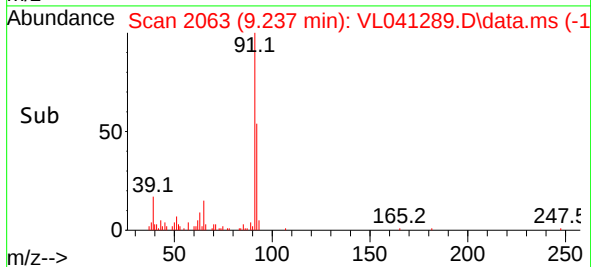
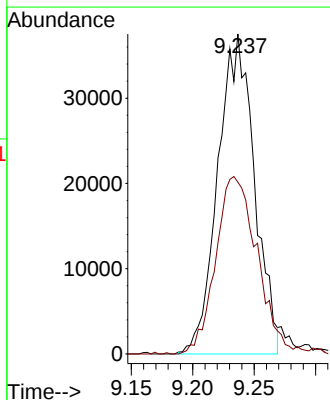
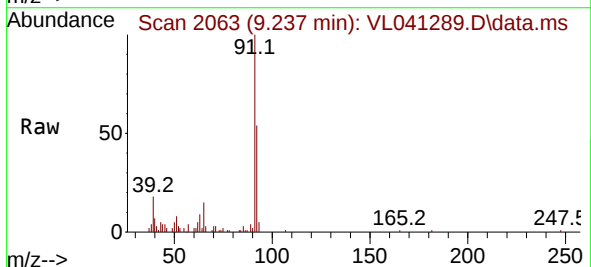
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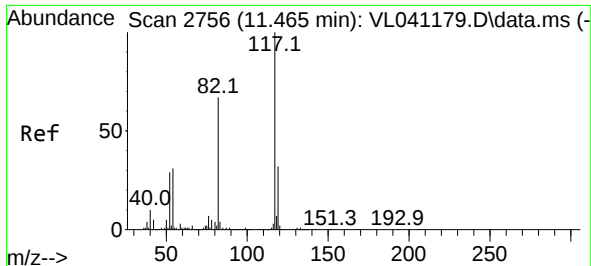
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#53
Toluene
Concen: 0.299 ppbv m
RT: 9.237 min Scan# 2063
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

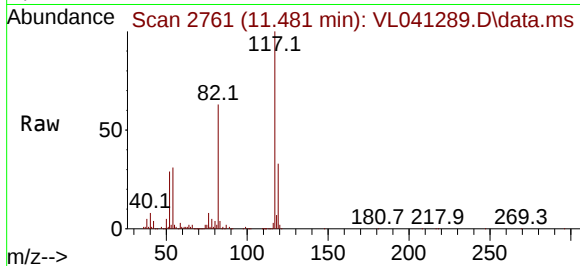
Tgt Ion: 91 Resp: 77634
Ion Ratio Lower Upper
91 100
92 63.1 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

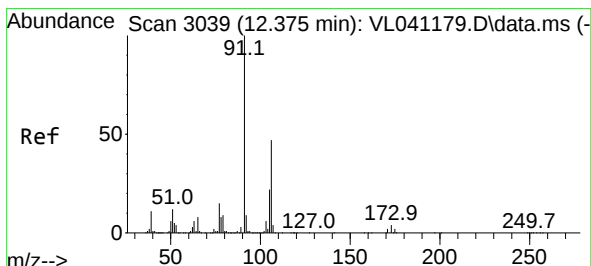
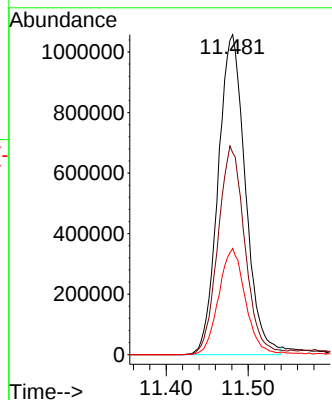
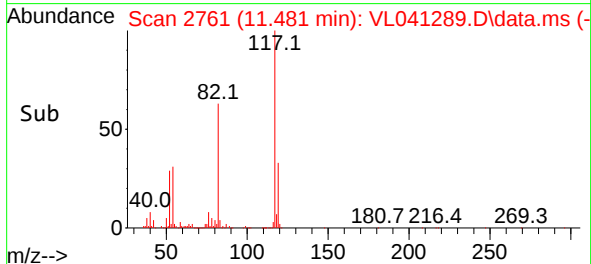
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:117 Resp: 2435620
Ion Ratio Lower Upper
117 100
82 64.9 53.6 80.4
119 33.4 27.2 40.8

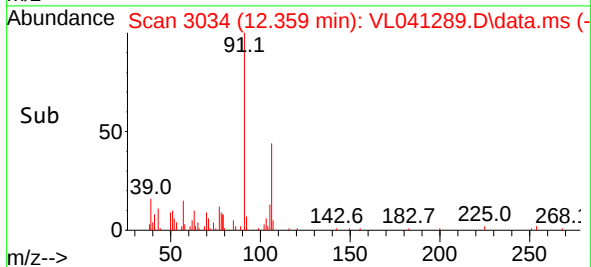
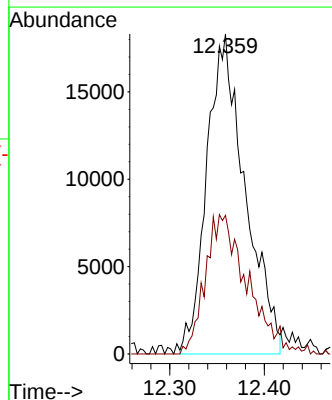
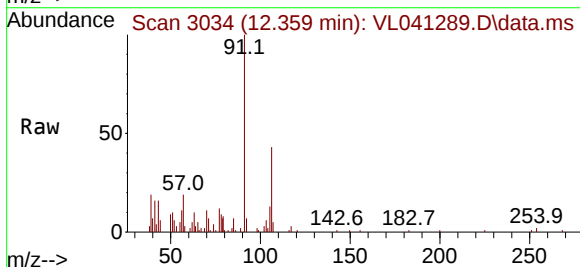
Manual Integrations
APPROVED

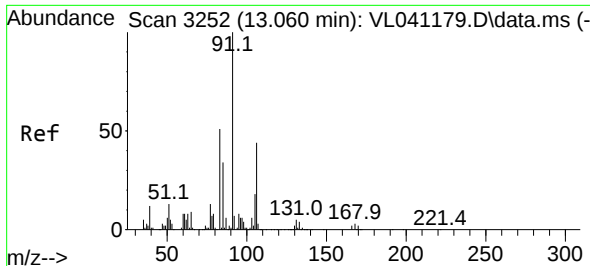
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024



#59
m/p-Xylene
Concen: 0.184 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.019 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

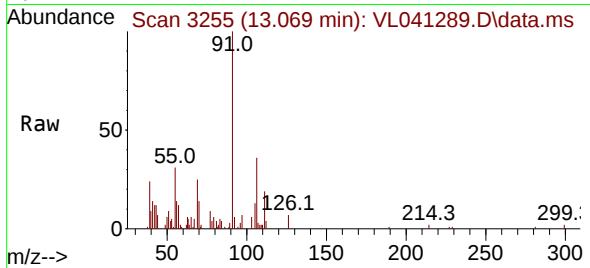
Tgt Ion: 91 Resp: 51611
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#





#60
o-Xylene
Concen: 0.105 ppbv m
RT: 13.069 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

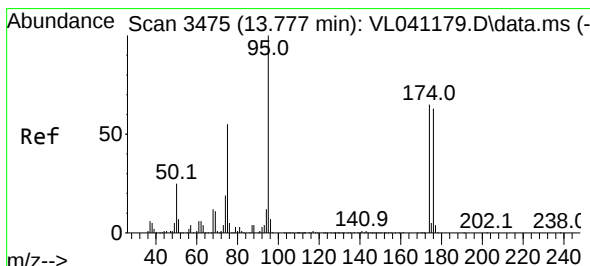
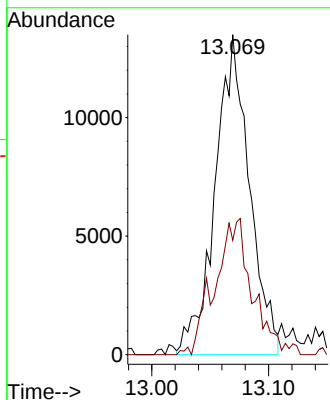
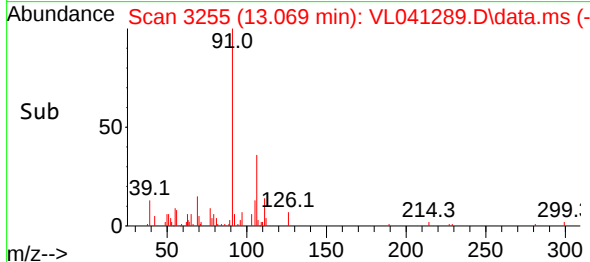
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



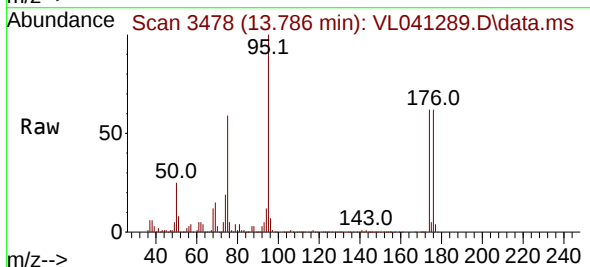
Tgt Ion: 91 Resp: 27578
Ion Ratio Lower Upper
91 100
106 47.3 22.4 67.3

Manual Integrations
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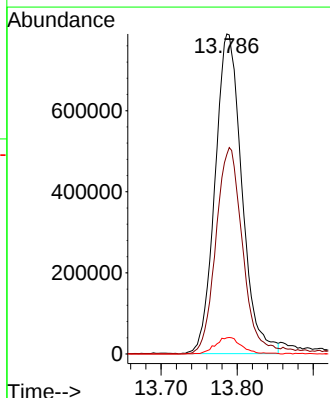
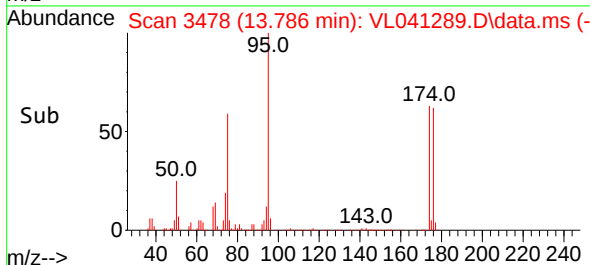
Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

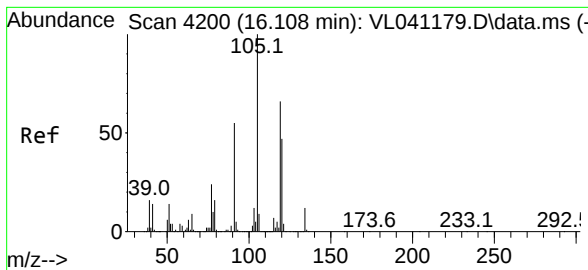


#68
1-Bromo-4-Fluorobenzene
Concen: 10.518 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41



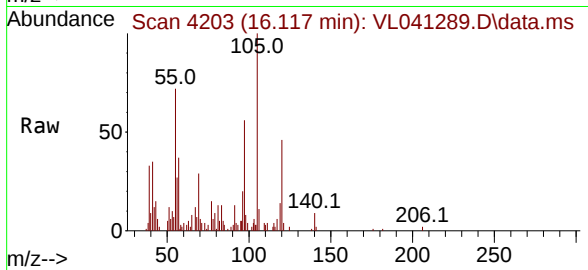
Tgt Ion: 95 Resp: 1933966
Ion Ratio Lower Upper
95 100
174 66.9 53.6 80.4
175 5.1 4.2 6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.110 ppbv m
RT: 16.117 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041289.D
Acq: 24 May 2024 13:41

Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion:	105	Resp:	32420
Ion	Ratio	Lower	Upper
105	100		
120	46.4	37.8	56.6
91	13.3	44.3	66.5
77	15.4	19.0	28.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/28/2024
Supervised By :Mahesh Dadoda 05/28/2024

