

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040546.D
 Acq On : 26 Jul 2023 18:27
 Operator : SY/MD
 Sample : 03695-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-21-20230719DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 01:51:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

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

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1135210	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2946021	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.458	117	2613550	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2087911	10.094	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.710	85	31395	0.138	ppbv	91
4) Chloromethane	2.793	50	16115	0.226	ppbv #	75
9) Propene	2.674	41	222887	3.618	ppbv	91
11) Trichlorofluoromethane	3.546	101	15508	0.085	ppbv	96
13) Ethanol	3.224	45	43722	3.262	ppbv	89
15) Acetone	3.449	43	1818151	13.914	ppbv	97
17) tert-Butyl alcohol	3.861	59	407650	3.016	ppbv	99
20) Methylene Chloride	3.918	84	87018	1.566	ppbv	95
26) Hexane	5.201	57	64564m	0.559	ppbv	
27) Carbon Disulfide	4.108	76	60139	0.442	ppbv #	76
29) Chloroform	5.266	83	12968	0.068	ppbv #	64
30) Cyclohexane	6.594	84	35974m	0.374	ppbv	
34) 2-Butanone	4.771	43	1014188	6.967	ppbv	99
35) Carbon Tetrachloride	6.481	117	6190m	0.035	ppbv	
36) Benzene	6.359	78	145685	0.615	ppbv	96
50) 4-Methyl-2-Pentanone	8.176	43	990248	4.682	ppbv	97
51) 2-Hexanone	9.555	43	112646	0.753	ppbv #	96
52) Tetrachloroethene	10.606	164	6696m	0.087	ppbv	
53) Toluene	9.211	91	133881	0.520	ppbv	100
58) Ethyl Benzene	12.079	91	50503m	0.154	ppbv	
59) m/p-Xylene	12.336	91	173236	0.592	ppbv	95
60) o-Xylene	13.053	91	104039	0.373	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	45905	0.137	ppbv #	69

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

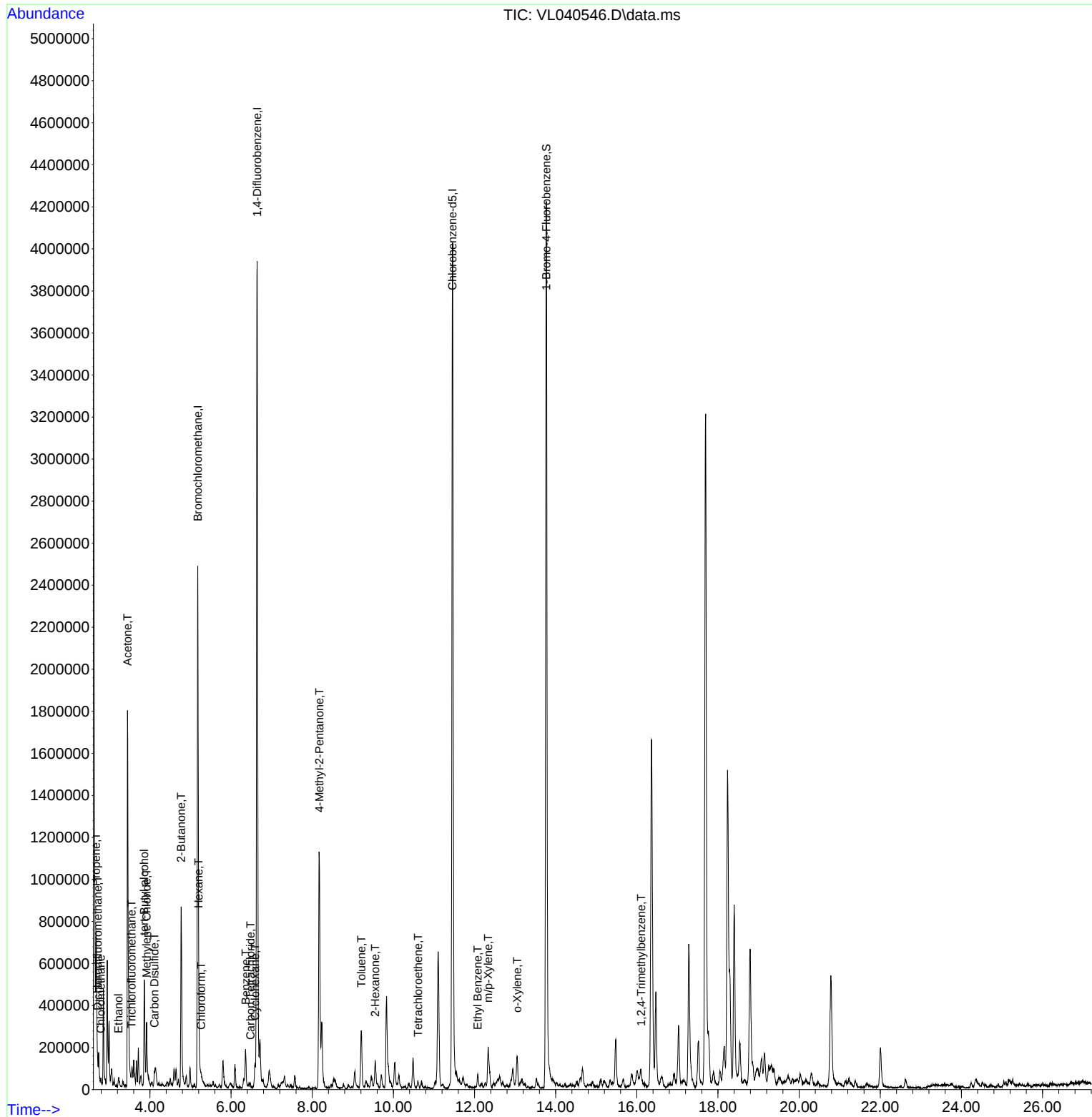
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
Data File : VL040546.D
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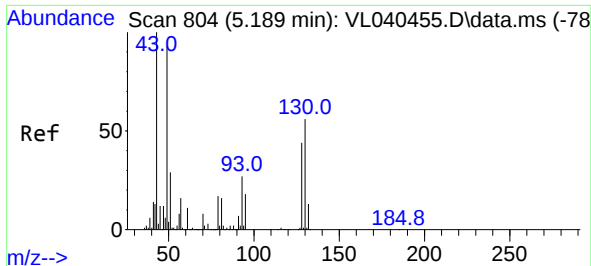
Instrument :
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ClientSampleId :
SV-21-20230719DL

Quant Time: Jul 27 01:51:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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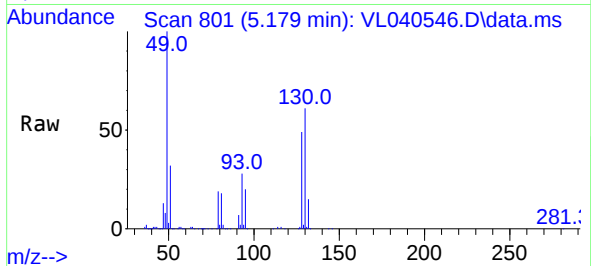
Reviewed By : Semsettin Yesilyurt 07/27/2023
Supervised By : Mahesh Dadoda 07/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

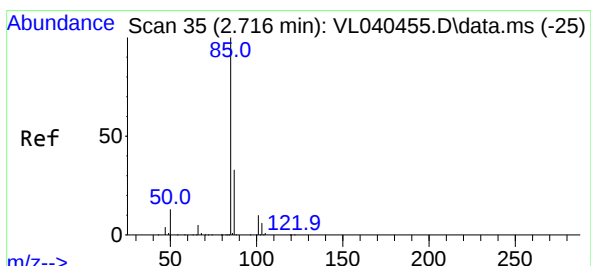
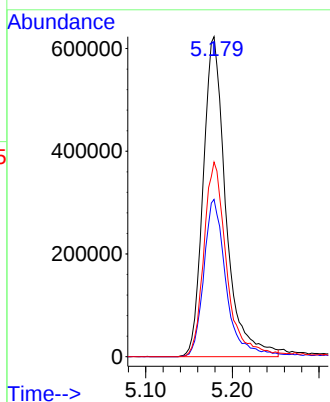
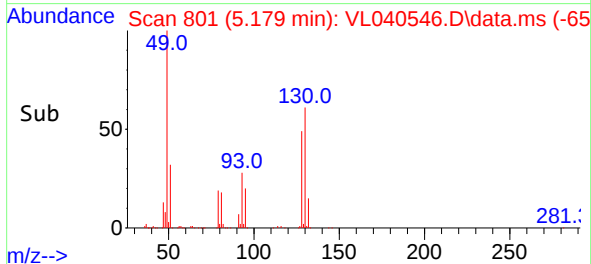
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



Tgt Ion: 49 Resp: 1135210
Ion Ratio Lower Upper
49 100
128 49.9 25.1 75.4
130 63.1 31.6 94.7

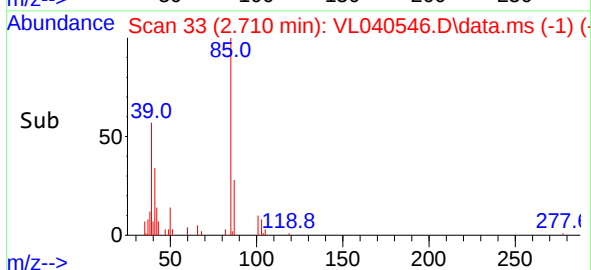
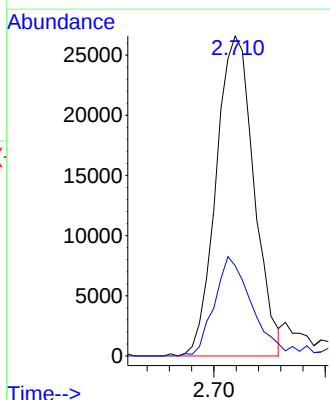
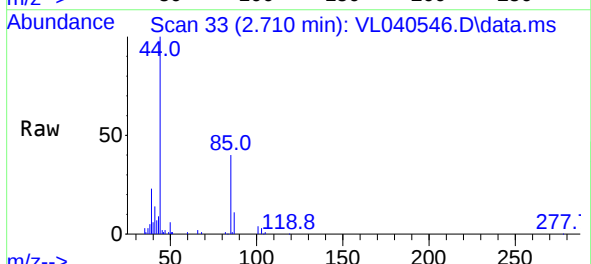
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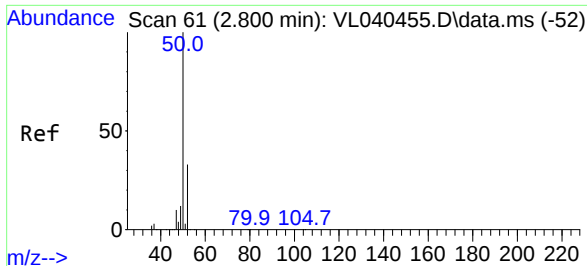
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#2
Dichlorodifluoromethane
Concen: 0.138 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.029 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

Tgt Ion: 85 Resp: 31395
Ion Ratio Lower Upper
85 100
87 28.2 26.8 40.2





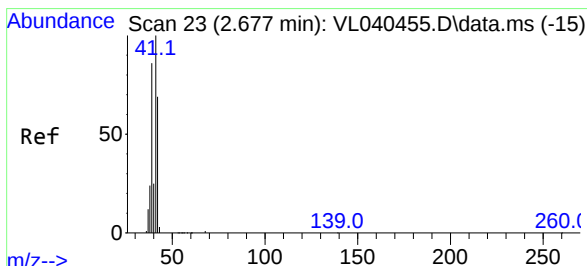
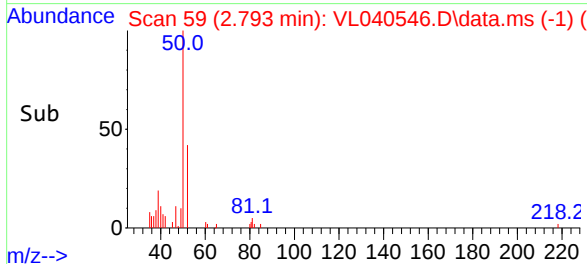
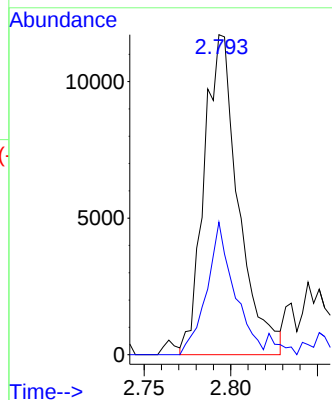
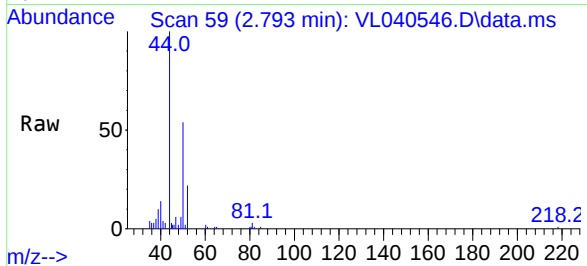
#4
Chloromethane
Concen: 0.226 ppbv
RT: 2.793 min Scan# 50
Delta R.T. -0.029 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL

Tgt Ion: 50 Resp: 16115
Ion Ratio Lower Upper
50 100
52 43.9 24.4 36.6

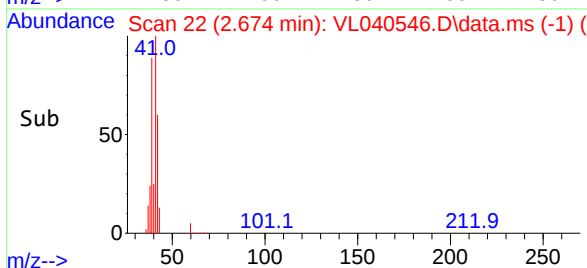
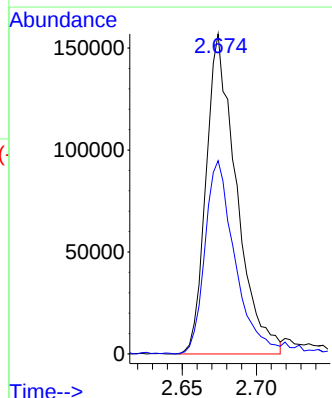
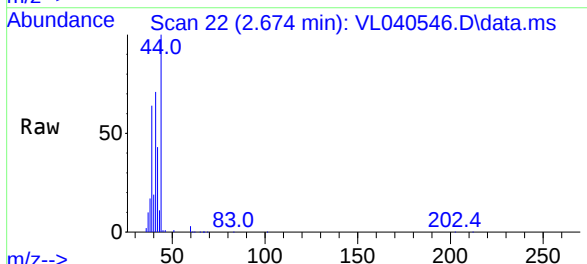
Manual Integrations
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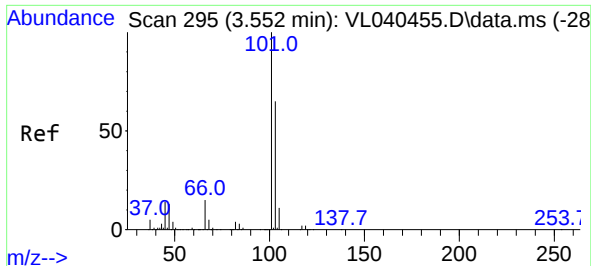
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#9
Propene
Concen: 3.618 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.029 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

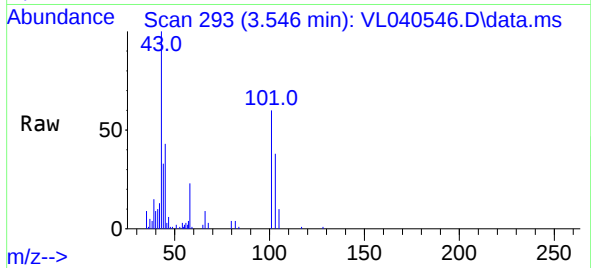
Tgt Ion: 41 Resp: 222887
Ion Ratio Lower Upper
41 100
42 61.5 55.0 82.6





#11
Trichlorofluoromethane
Concen: 0.085 ppbv
RT: 3.546 min Scan# 295
Delta R.T. -0.026 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

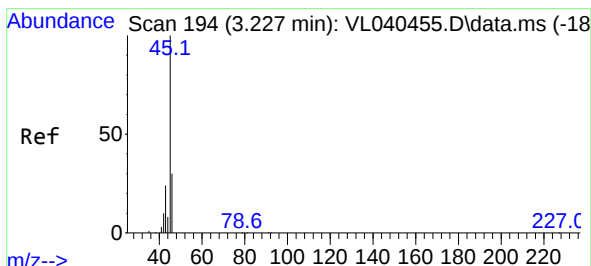
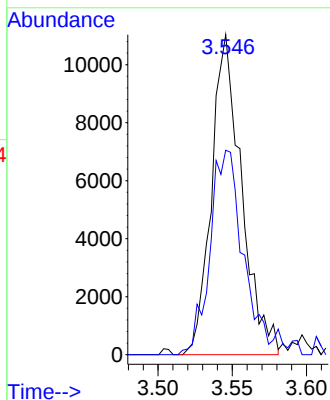
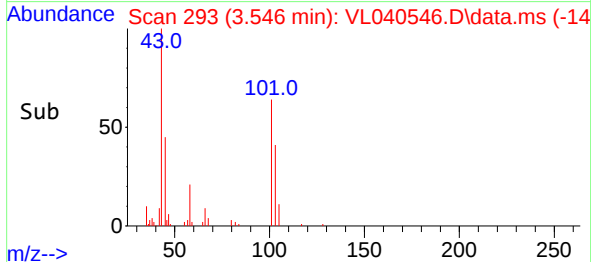
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



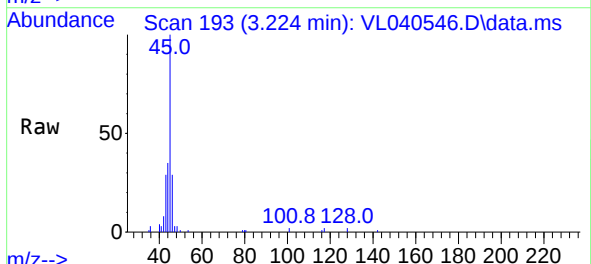
Tgt Ion:101 Resp: 15508
Ion Ratio Lower Upper
101 100
103 63.9 53.4 80.0

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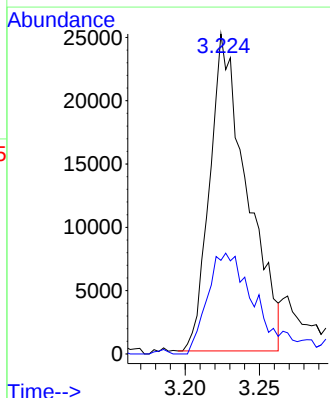
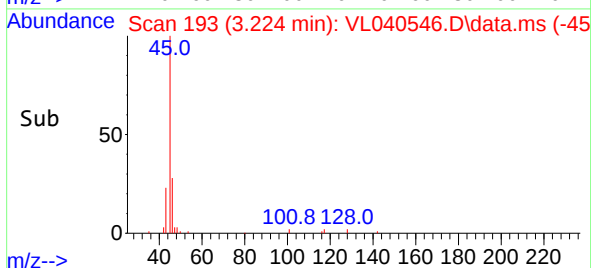
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

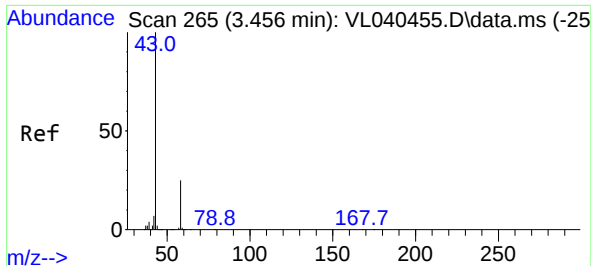


#13
Ethanol
Concen: 3.262 ppbv
RT: 3.224 min Scan# 193
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27



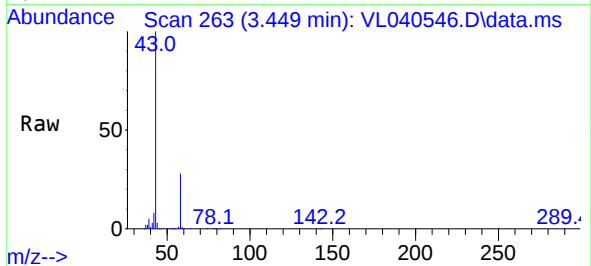
Tgt Ion: 45 Resp: 43722
Ion Ratio Lower Upper
45 100
46 44.6 15.3 61.1





#15
Acetone
Concen: 13.914 ppbv
RT: 3.449 min Scan# 20
Delta R.T. -0.026 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

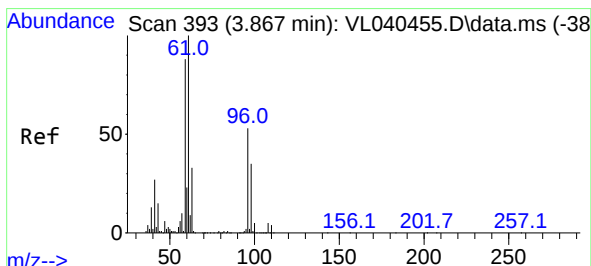
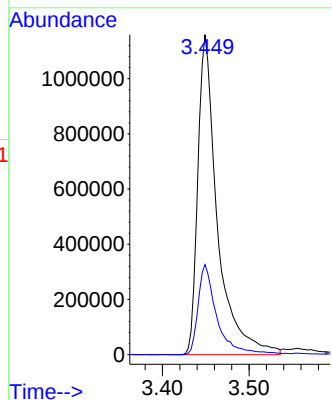
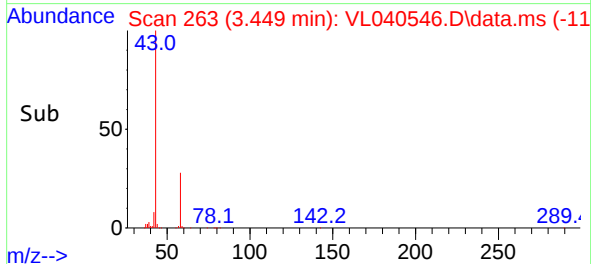
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



Tgt Ion: 43 Resp: 181815
Ion Ratio Lower Upper
43 100
58 27.3 22.9 34.3

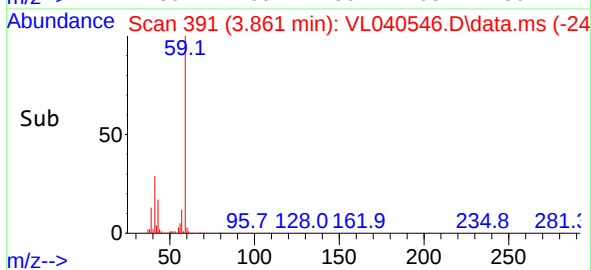
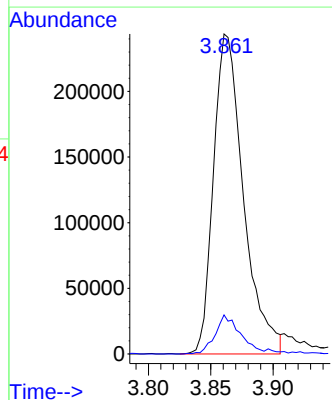
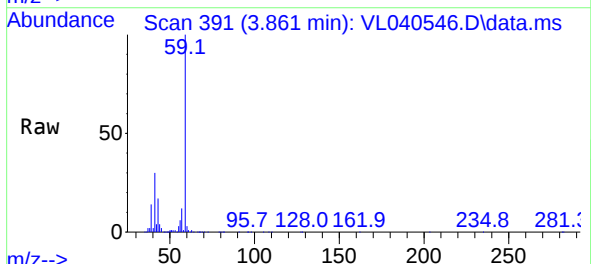
Manual Integrations
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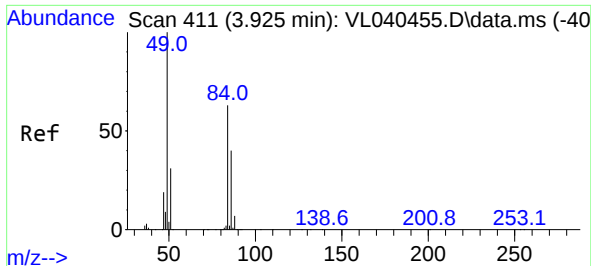
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#17
tert-Butyl alcohol
Concen: 3.016 ppbv
RT: 3.861 min Scan# 391
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

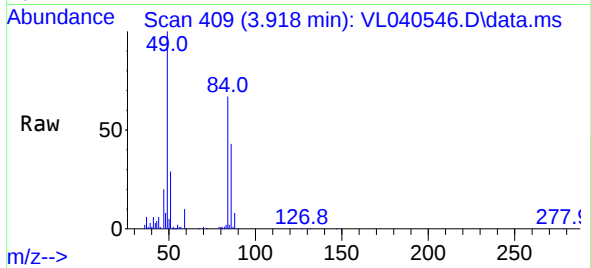
Tgt Ion: 59 Resp: 407650
Ion Ratio Lower Upper
59 100
57 11.3 8.7 13.1





#20
Methylene Chloride
Concen: 1.566 ppbv
RT: 3.918 min Scan# 409
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

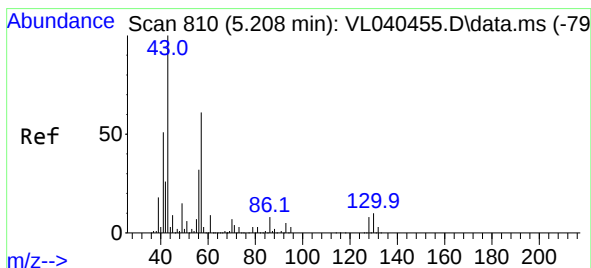
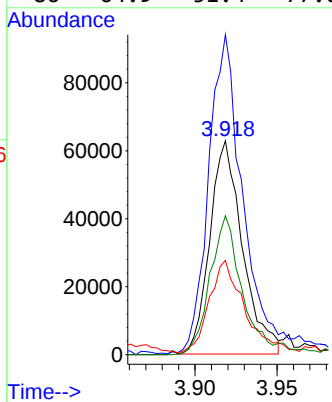
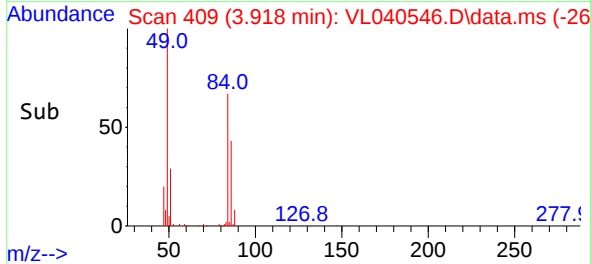
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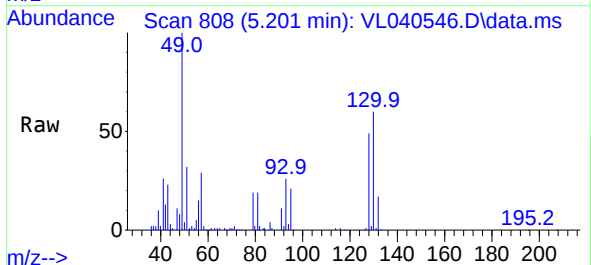
Tgt Ion: 84 Resp: 87018
Ion Ratio Lower Upper
84 100
49 147.2 123.4 185.2
51 43.3 38.3 57.5
86 64.9 51.4 77.0

Manual Integrations
APPROVED

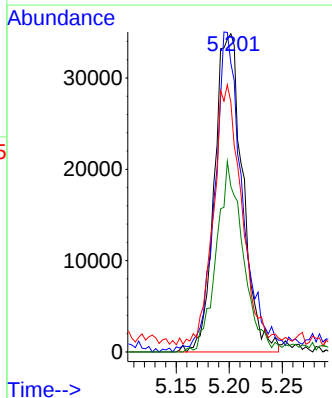
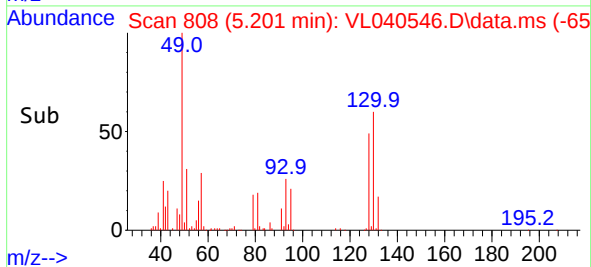
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

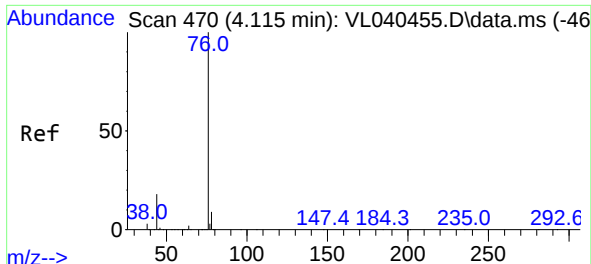


#26
Hexane
Concen: 0.559 ppbv m
RT: 5.201 min Scan# 808
Delta R.T. -0.019 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27



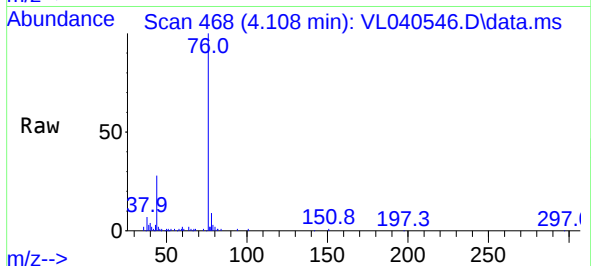
Tgt Ion: 57 Resp: 64564
Ion Ratio Lower Upper
57 100
41 100.5 69.5 104.3
43 81.5 177.1 265.7#
56 56.8 42.3 63.5





#27
Carbon Disulfide
Concen: 0.442 ppbv
RT: 4.108 min Scan# 401
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

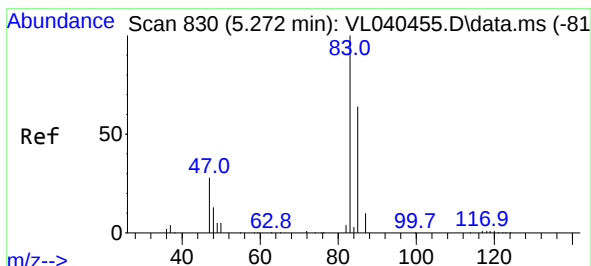
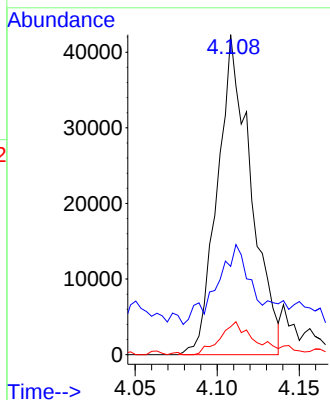
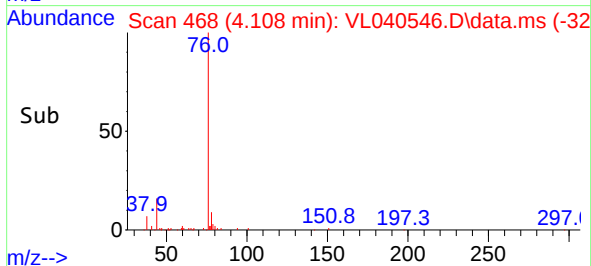
Instrument :
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SV-21-20230719DL



Tgt Ion: 76 Resp: 60139
Ion Ratio Lower Upper
76 100
44 33.3 15.1 22.7
78 12.2 7.5 11.3

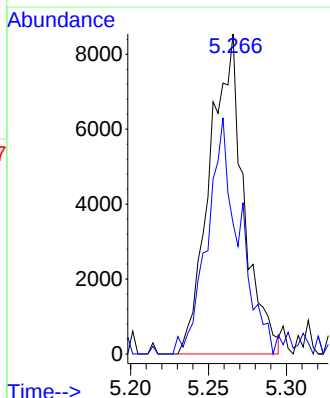
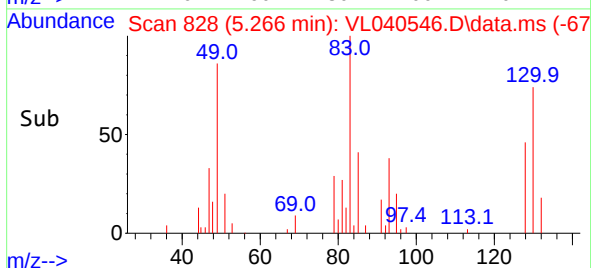
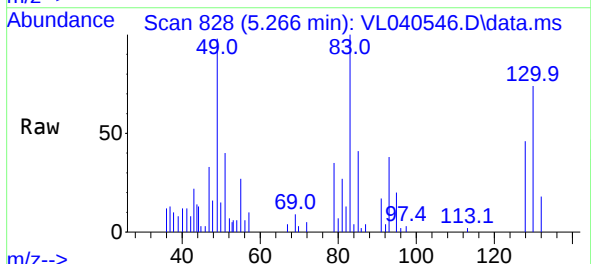
Manual Integrations
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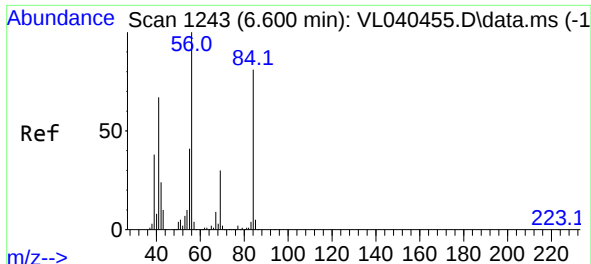
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#29
Chloroform
Concen: 0.068 ppbv
RT: 5.266 min Scan# 828
Delta R.T. -0.019 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

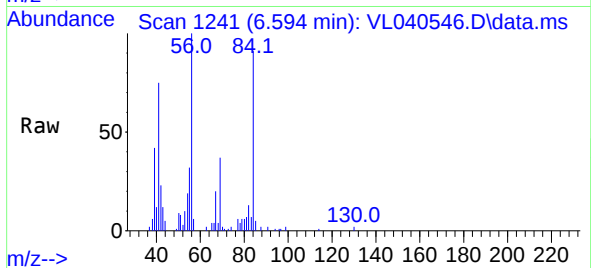
Tgt Ion: 83 Resp: 12968
Ion Ratio Lower Upper
83 100
85 35.4 51.1 76.7#





#30
Cyclohexane
Concen: 0.374 ppbv m
RT: 6.594 min Scan# 1241
Delta R.T. -0.016 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

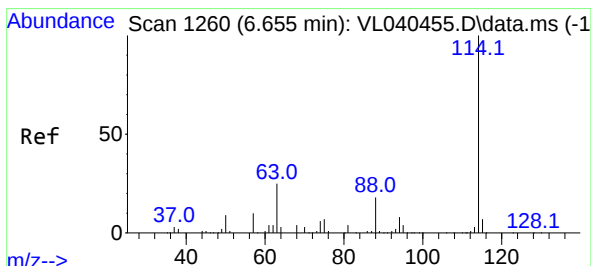
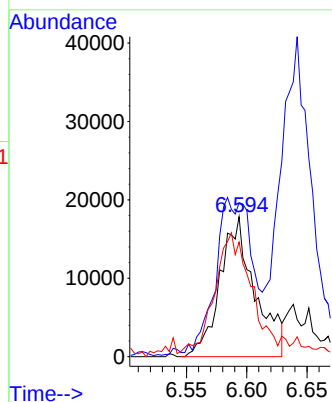
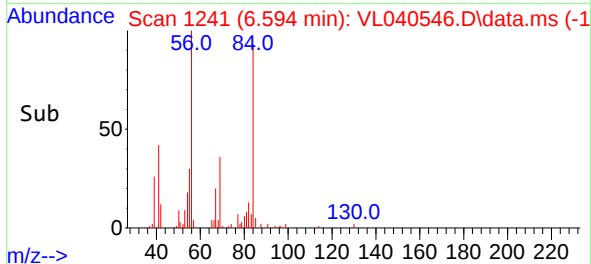
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



Tgt Ion: 84 Resp: 35974
Ion Ratio Lower Upper
84 100
56 118.9 108.7 163.1
41 109.2 64.5 96.7

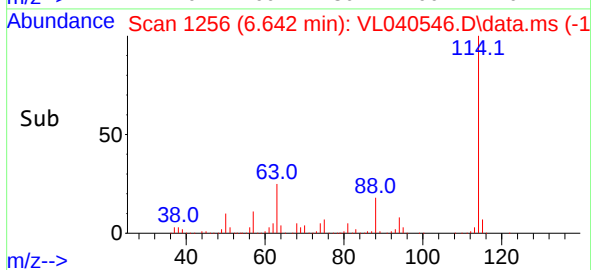
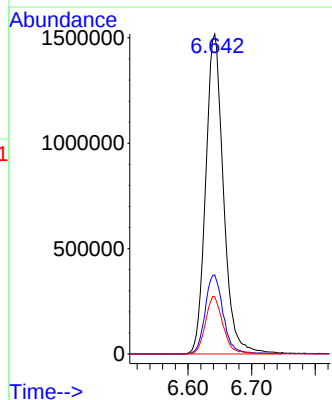
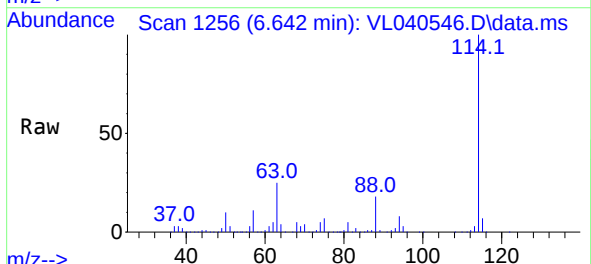
Manual Integrations
APPROVED

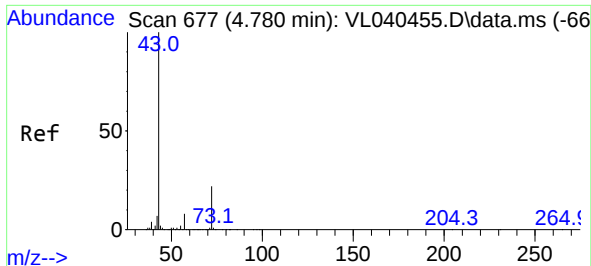
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

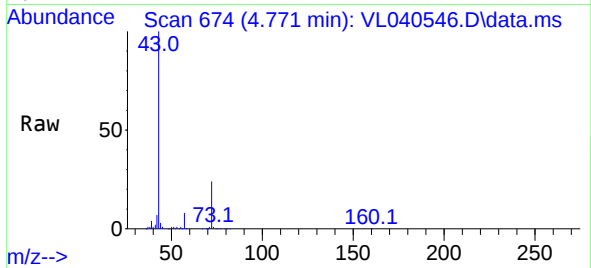
Tgt Ion:114 Resp: 2946021
Ion Ratio Lower Upper
114 100
63 25.3 19.6 29.4
88 17.8 14.2 21.2





#34
2-Butanone
Concen: 6.967 ppbv
RT: 4.771 min Scan# 61
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

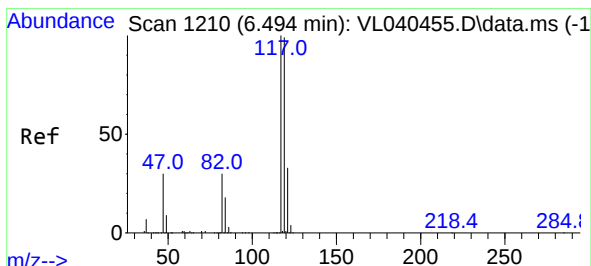
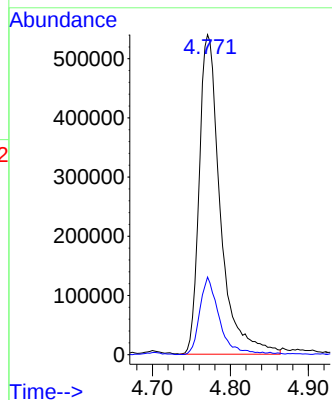
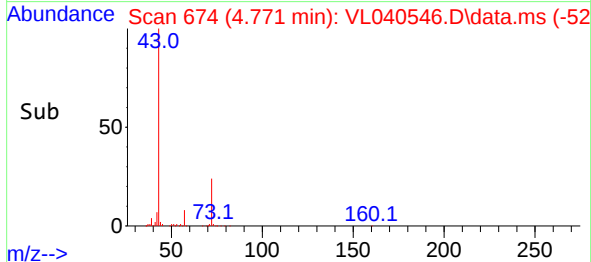
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



Tgt Ion: 43 Resp: 101418
Ion Ratio Lower Upper
43 100
72 23.2 19.1 28.7

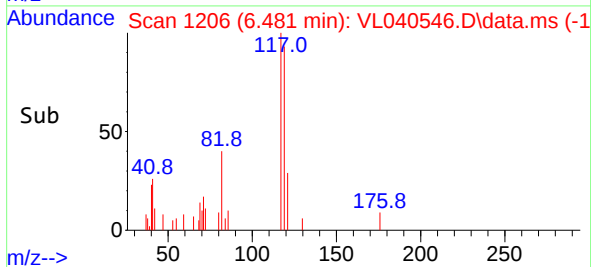
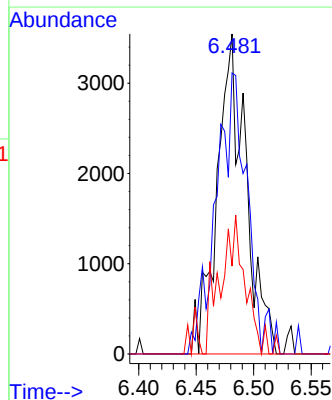
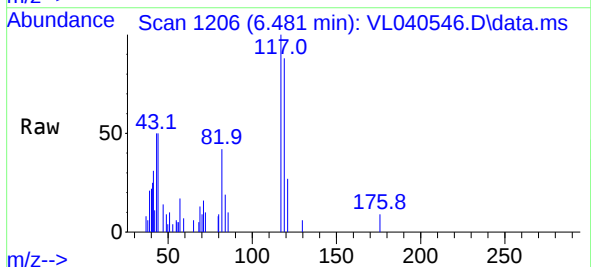
Manual Integrations
APPROVED

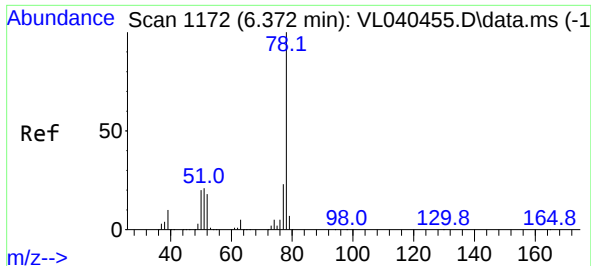
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#35
Carbon Tetrachloride
Concen: 0.035 ppbv m
RT: 6.481 min Scan# 1206
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

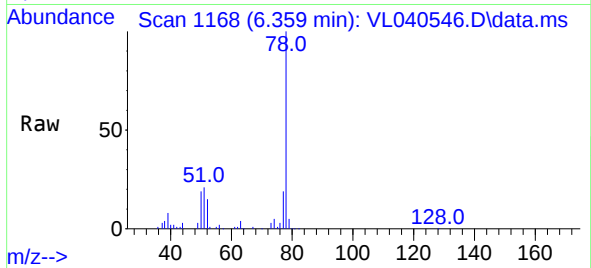
Tgt Ion:117 Resp: 6190
Ion Ratio Lower Upper
117 100
119 87.8 77.8 116.6
121 27.4 24.8 37.2





#36
Benzene
Concen: 0.615 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

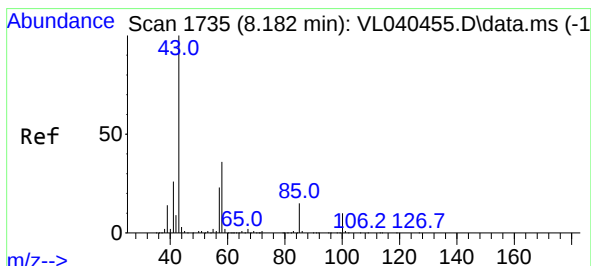
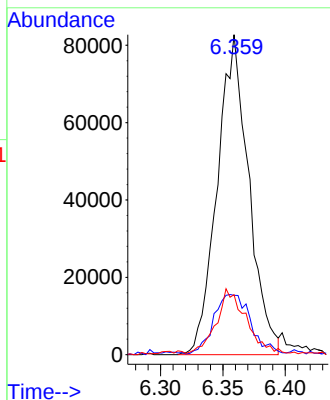
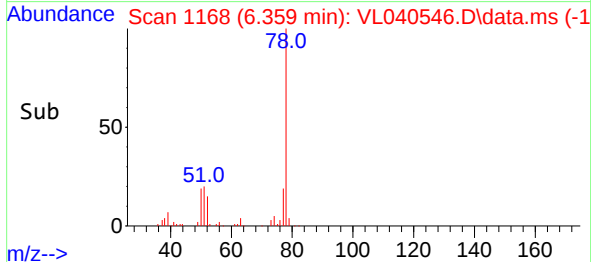
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



Tgt Ion: 78 Resp: 145689
Ion Ratio Lower Upper
78 100
77 18.1 17.4 26.0
50 17.7 14.4 21.6

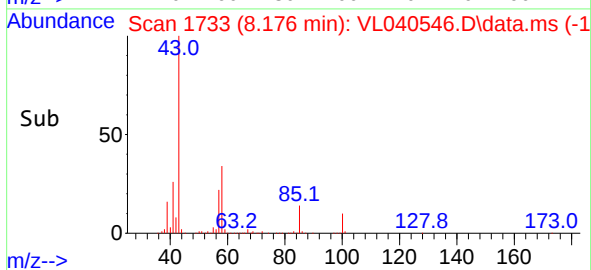
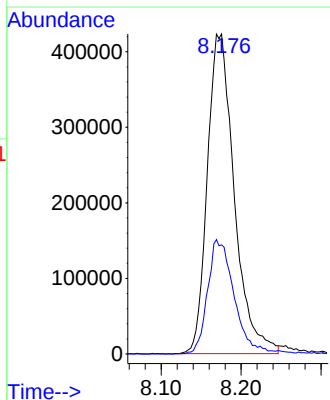
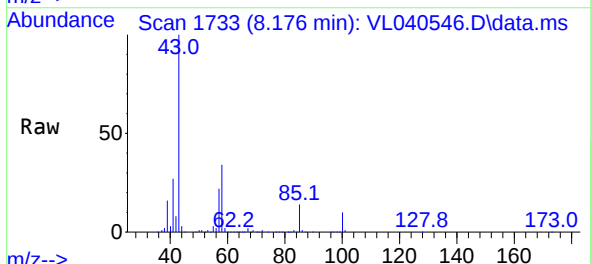
Manual Integrations
APPROVED

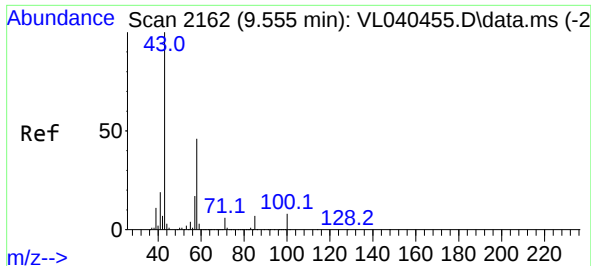
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#50
4-Methyl-2-Pentanone
Concen: 4.682 ppbv
RT: 8.176 min Scan# 1733
Delta R.T. -0.016 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

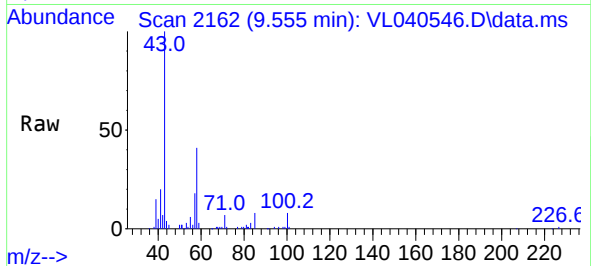
Tgt Ion: 43 Resp: 990248
Ion Ratio Lower Upper
43 100
58 35.9 30.2 45.2





#51
2-Hexanone
Concen: 0.753 ppbv
RT: 9.555 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

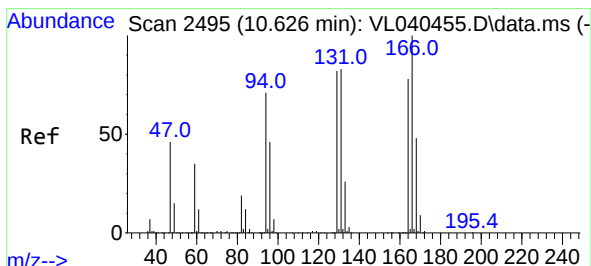
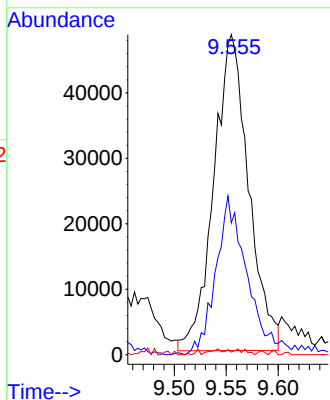
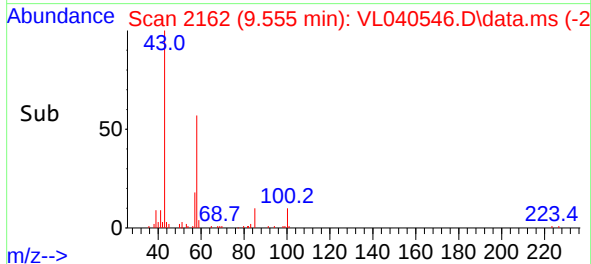
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



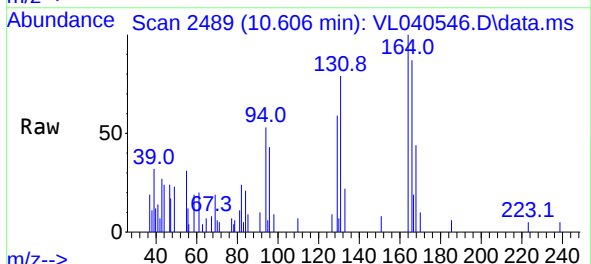
Tgt Ion: 43 Resp: 112640
Ion Ratio Lower Upper
43 100
58 46.7 39.7 59.5
98 2.0 0.3 0.5

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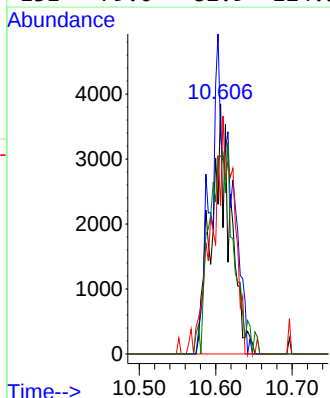
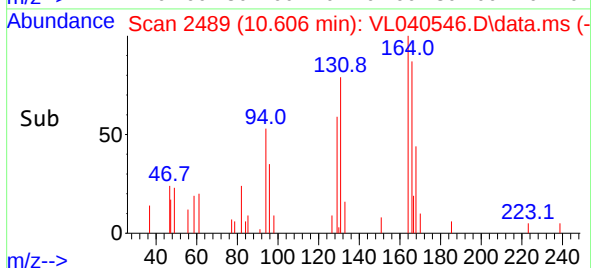
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

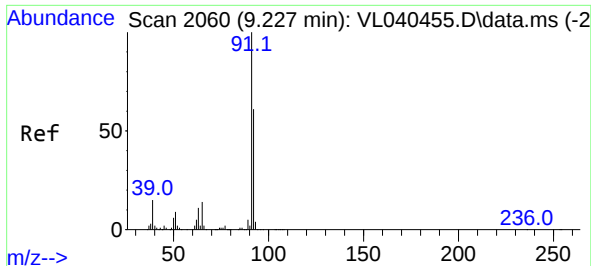


#52
Tetrachloroethene
Concen: 0.087 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. -0.019 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27



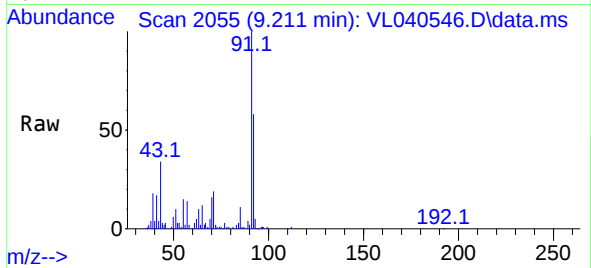
Tgt Ion:164 Resp: 6696
Ion Ratio Lower Upper
164 100
166 87.0 103.9 155.9#
129 59.4 84.6 126.8#
131 79.0 82.9 124.3#





#53
Toluene
Concen: 0.520 ppbv
RT: 9.211 min Scan# 2060
Delta R.T. -0.019 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

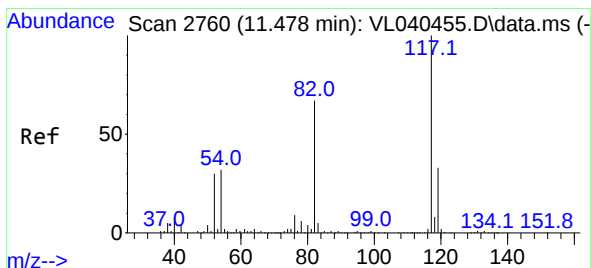
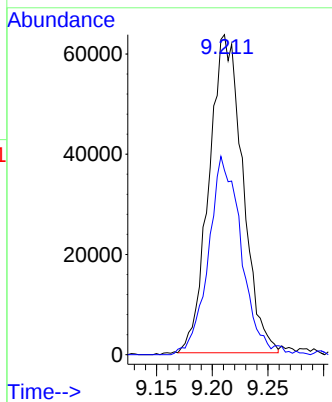
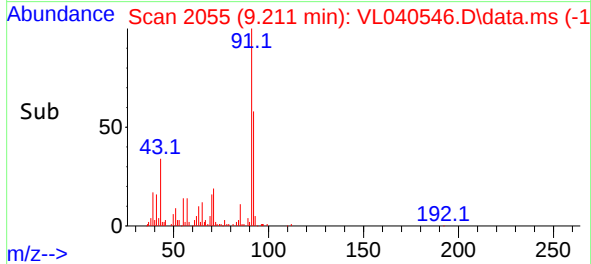
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



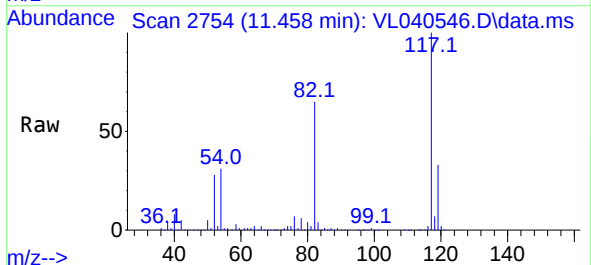
Tgt Ion: 91 Resp: 13388
Ion Ratio Lower Upper
91 100
92 61.1 49.1 73.7

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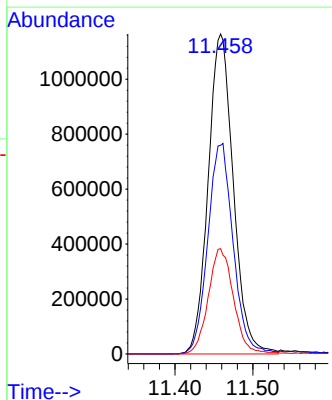
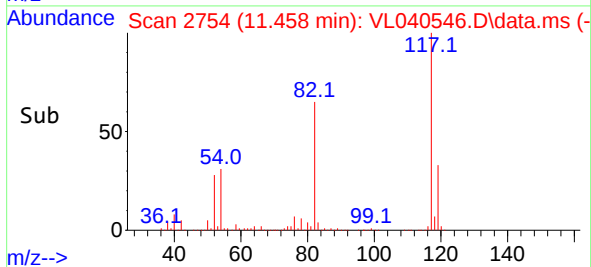
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

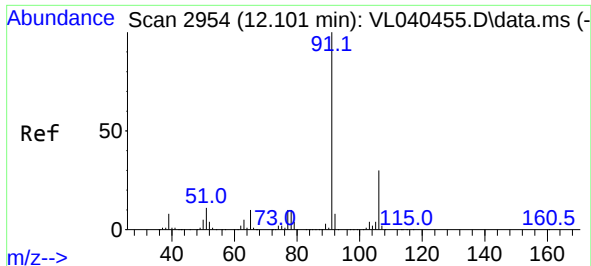


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.019 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27



Tgt Ion:117 Resp: 2613550
Ion Ratio Lower Upper
117 100
82 66.5 50.2 75.4
119 33.6 26.9 40.3





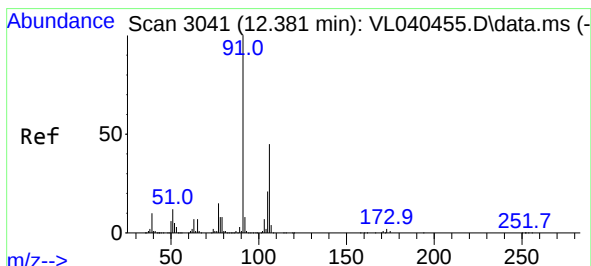
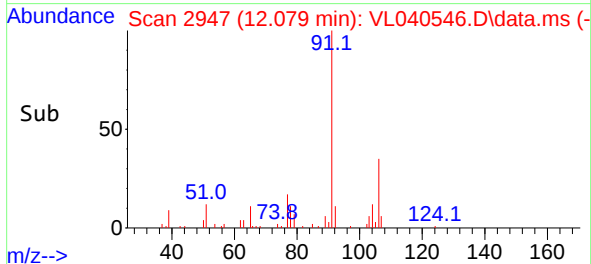
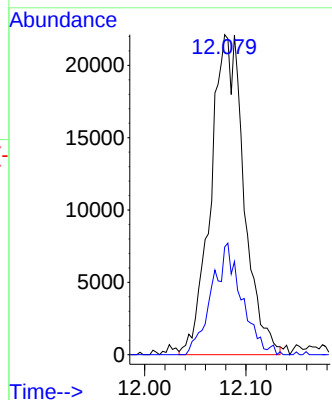
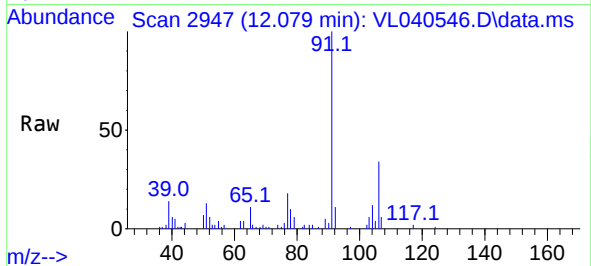
#58
Ethyl Benzene
Concen: 0.154 ppbv m
RT: 12.079 min Scan# 2954
Delta R.T. -0.023 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL

Tgt Ion: 91 Resp: 5050
Ion Ratio Lower Upper
91 100
106 33.7 25.4 38.0

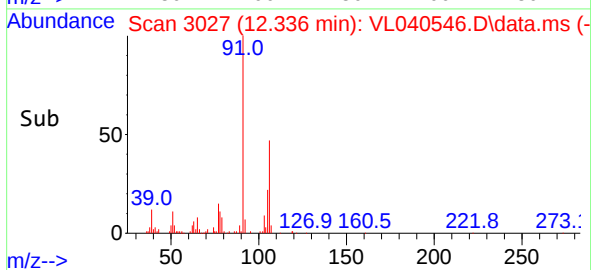
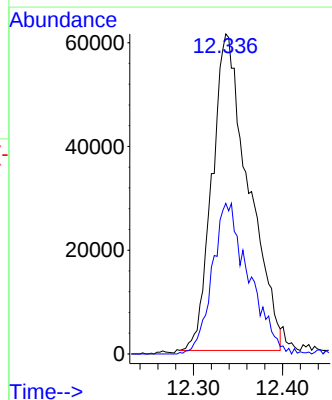
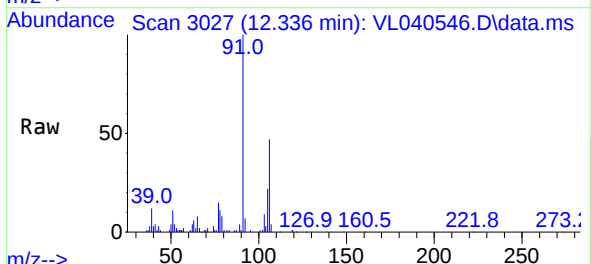
Manual Integrations
APPROVED

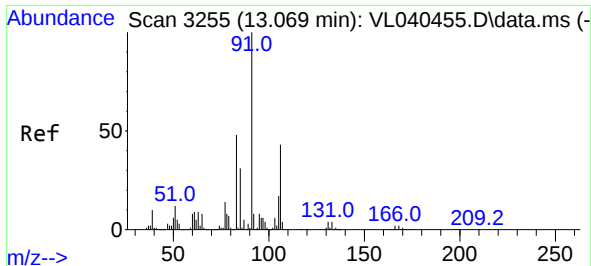
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#59
m/p-Xylene
Concen: 0.592 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. -0.048 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

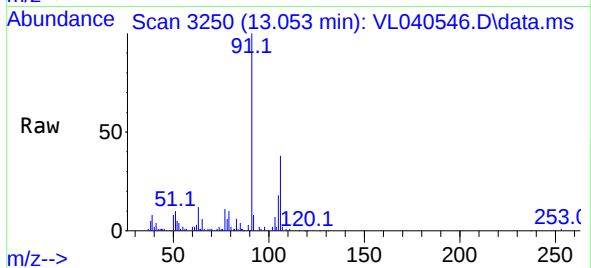
Tgt Ion: 91 Resp: 173236
Ion Ratio Lower Upper
91 100
106 48.1 35.9 53.9





#60
o-Xylene
Concen: 0.373 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

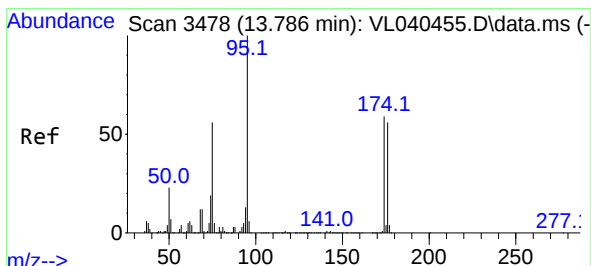
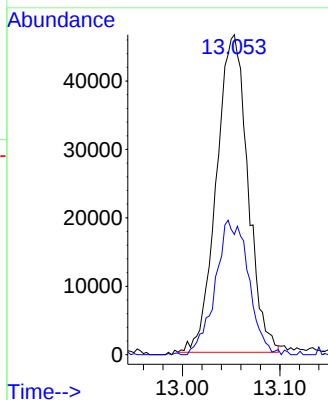
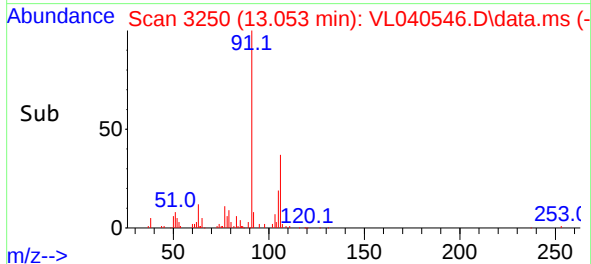
Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



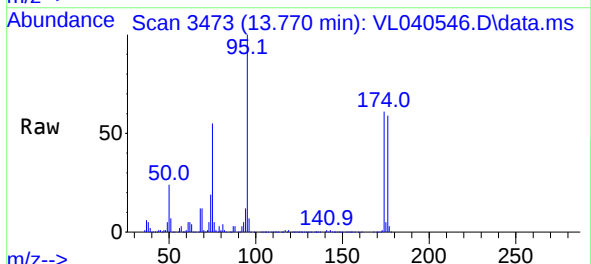
Tgt Ion: 91 Resp: 104039
Ion Ratio Lower Upper
91 100
106 45.0 22.7 68.0

Manual Integrations
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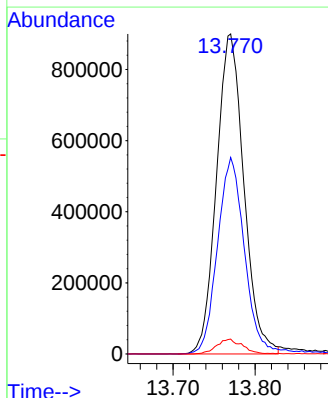
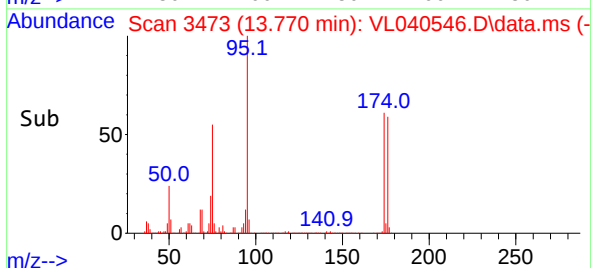
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

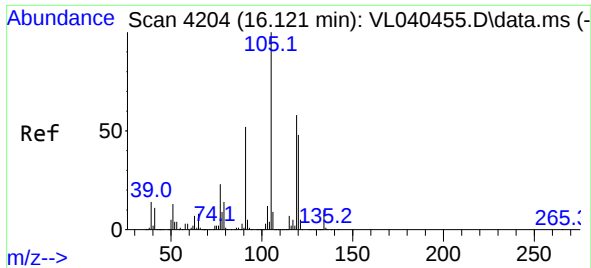


#68
1-Bromo-4-Fluorobenzene
Concen: 10.094 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.013 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27



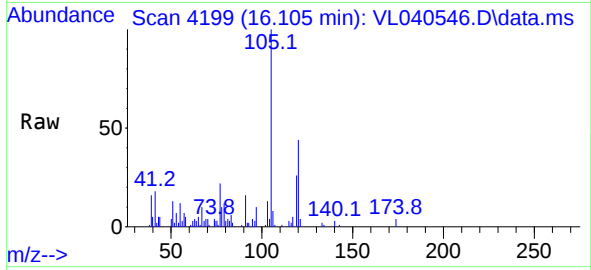
Tgt Ion: 95 Resp: 2087911
Ion Ratio Lower Upper
95 100
174 62.2 50.6 75.8
175 4.4 3.7 5.5





#74
1,2,4-Trimethylbenzene
Concen: 0.137 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. -0.013 min
Lab File: VL040546.D
Acq: 26 Jul 2023 18:27

Instrument :
MSVOA_L
ClientSampleId :
SV-21-20230719DL



Tgt Ion:	105	Resp:	4590
Ion	Ratio	Lower	Upper
105	100		
120	42.3	40.3	60.5
91	13.3	46.8	70.2
77	23.1	18.6	28.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

