

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040411.D
 Acq On : 11 May 2023 21:59
 Operator : SY/MD
 Sample : 02748-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01-20230510

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023

Quant Time: May 12 05:58:25 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1086437	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2789994	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.458	117	2454471	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1950885	9.612	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.709	85	69802	0.356	ppbv	99
9) Propene	2.674	41	628055	11.198	ppbv	91
11) Trichlorofluoromethane	3.545	101	117929	0.595	ppbv	97
13) Ethanol	3.221	45	90661	19.363	ppbv	95
15) Acetone	3.446	43	2778148	18.054	ppbv #	31
17) tert-Butyl alcohol	3.867	59	246910	1.747	ppbv	96
20) Methylene Chloride	3.918	84	158418	2.579	ppbv	97
26) Hexane	5.198	57	191090	1.751	ppbv #	6
34) 2-Butanone	4.767	43	4821594	32.049	ppbv	97
36) Benzene	6.359	78	86314	0.379	ppbv	95
51) 2-Hexanone	9.545	43	243261	1.443	ppbv #	99
52) Tetrachloroethene	10.606	164	3234m	0.045	ppbv	
53) Toluene	9.214	91	234845	0.973	ppbv	98
58) Ethyl Benzene	12.085	91	91986m	0.305	ppbv	
59) m/p-Xylene	12.336	91	277736	1.000	ppbv	96
60) o-Xylene	13.053	91	130919m	0.491	ppbv	
73) 1,3,5-Trimethylbenzene	15.349	105	59172m	0.218	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	294452	0.948	ppbv #	65

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

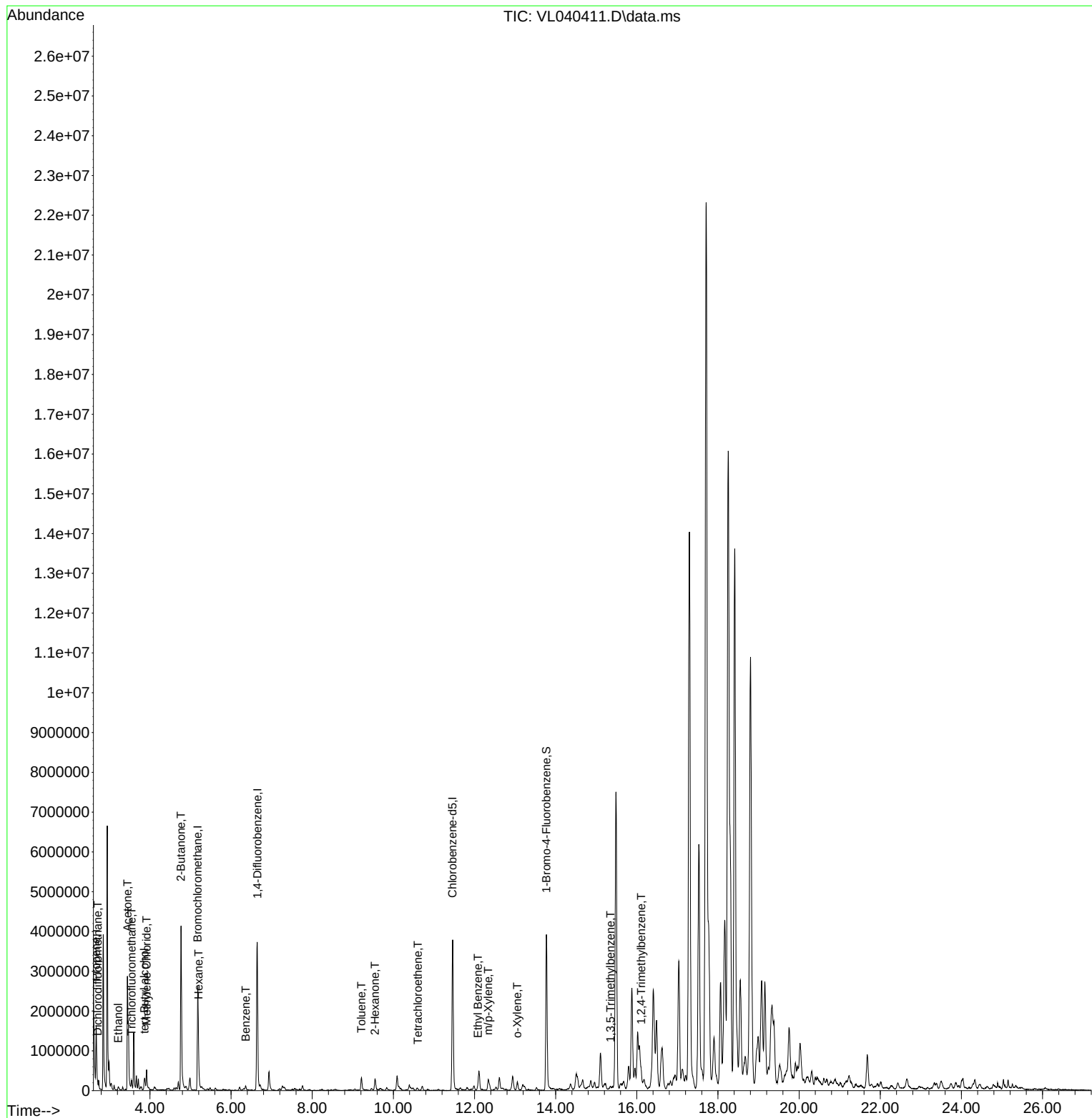
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
Data File : VL040411.D
Acq On : 11 May 2023 21:59
Operator : SY/MD
Sample : 02748-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

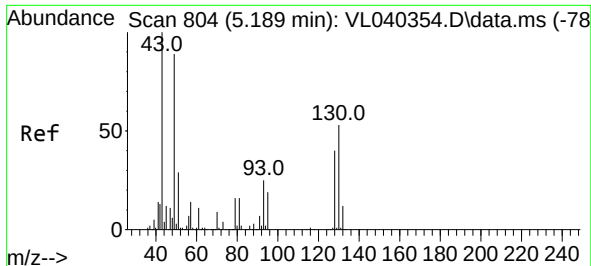
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

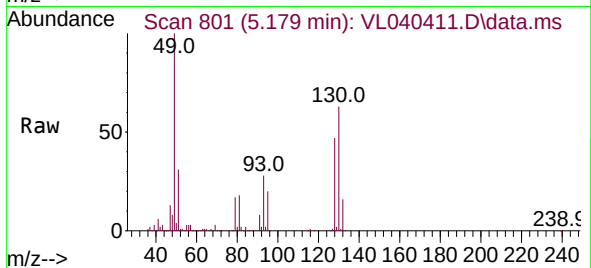
Quant Time: May 12 05:58:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 804
Delta R.T. -0.010 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

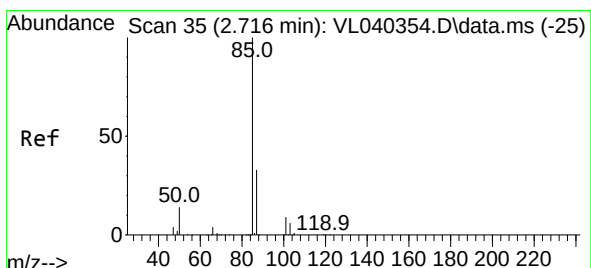
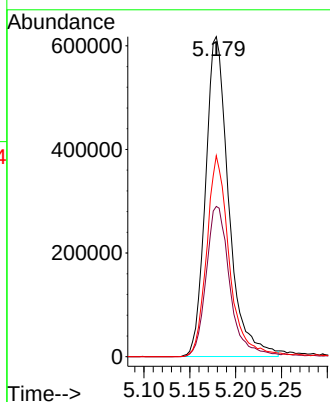
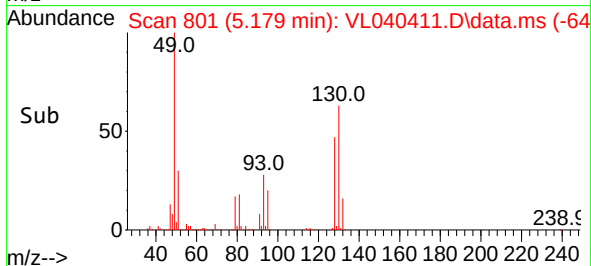
Instrument :
MSVOA_L
Client Sample Id :
SV-01-20230510



Tgt Ion: 49 Resp: 108643
Ion Ratio Lower Upper
49 100
128 49.2 23.7 71.1
130 62.4 29.9 89.8

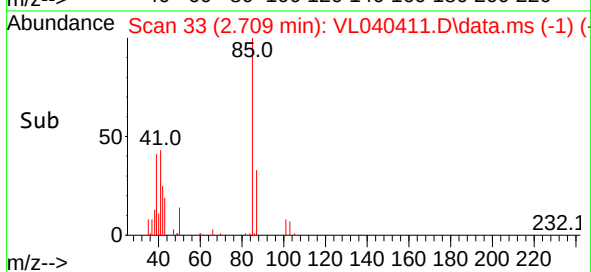
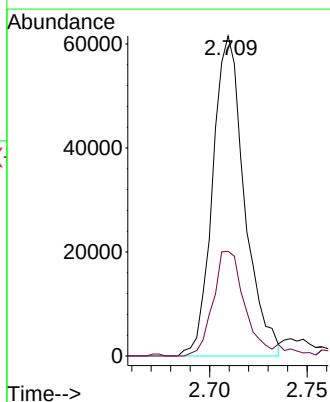
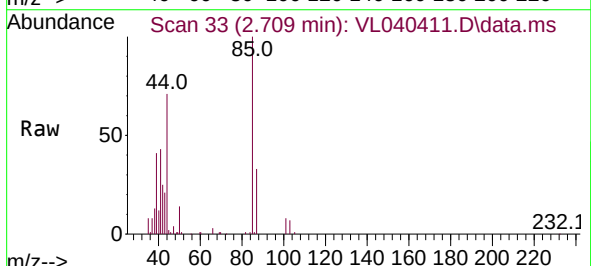
Manual Integrations
APPROVED

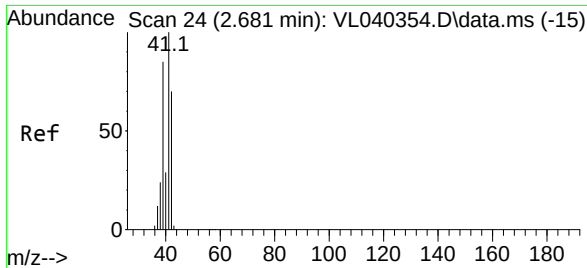
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#2
Dichlorodifluoromethane
Concen: 0.356 ppbv
RT: 2.709 min Scan# 33
Delta R.T. -0.007 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

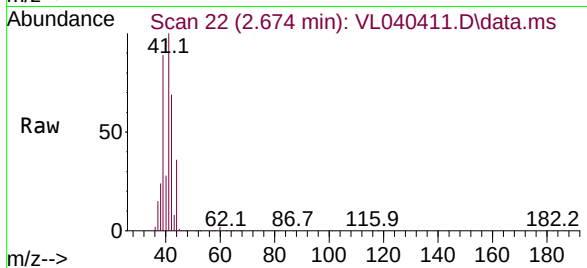
Tgt Ion: 85 Resp: 69802
Ion Ratio Lower Upper
85 100
87 32.7 26.6 40.0





#9
 Propene
 Concen: 11.198 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VL040411.D
 Acq: 11 May 2023 21:59

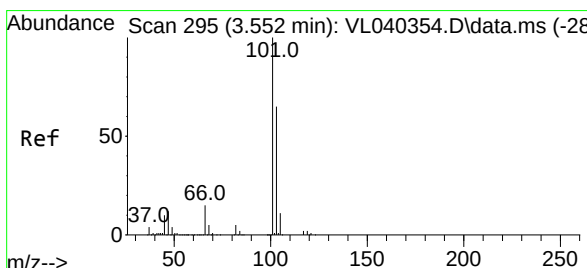
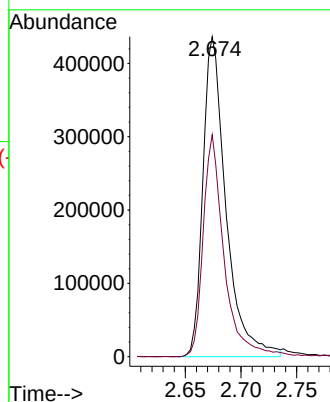
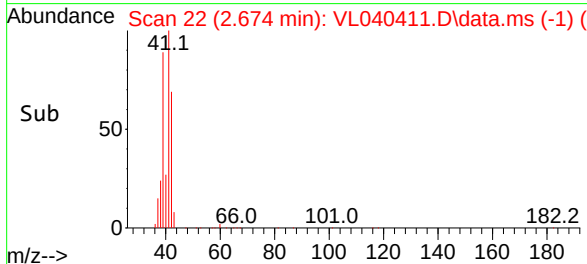
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-01-20230510



Tgt Ion: 41 Resp: 62805
 Ion Ratio Lower Upper
 41 100
 42 63.6 56.5 84.7

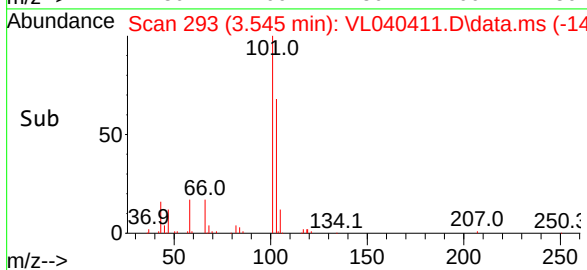
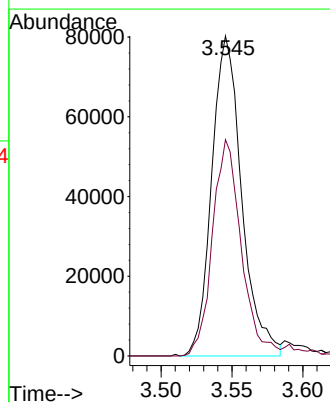
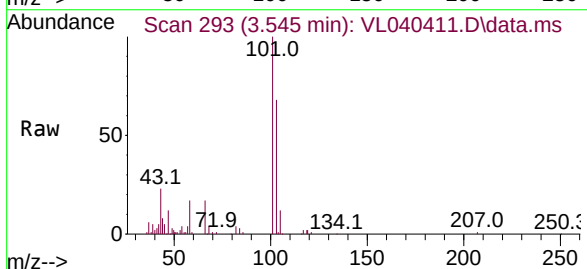
Manual Integrations
 APPROVED

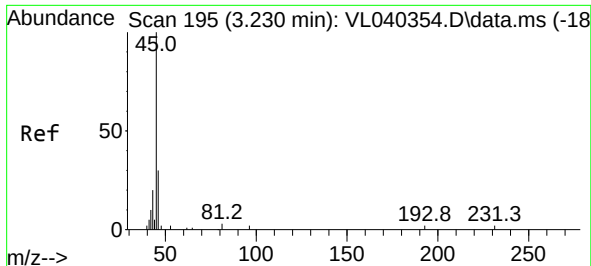
Reviewed By :Krupa Patel 05/15/2023
 Supervised By :Mahesh Dadoda 05/15/2023



#11
 Trichlorofluoromethane
 Concen: 0.595 ppbv
 RT: 3.545 min Scan# 293
 Delta R.T. -0.007 min
 Lab File: VL040411.D
 Acq: 11 May 2023 21:59

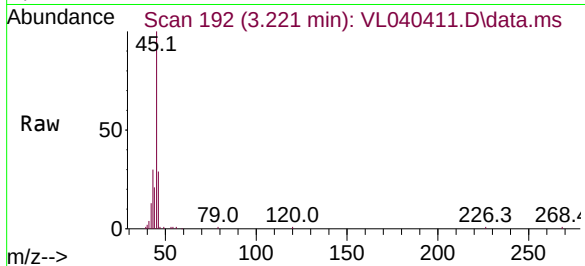
Tgt Ion:101 Resp: 117929
 Ion Ratio Lower Upper
 101 100
 103 67.6 52.2 78.4





#13
Ethanol
Concen: 19.363 ppbv
RT: 3.221 min Scan# 195
Delta R.T. -0.009 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

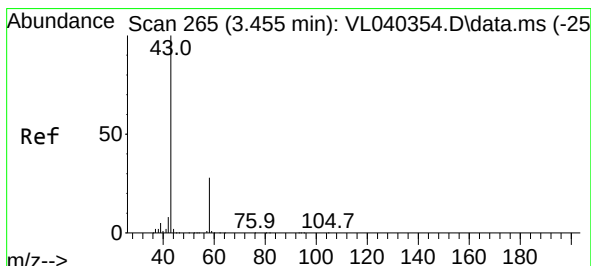
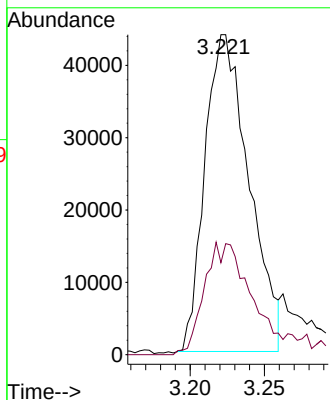
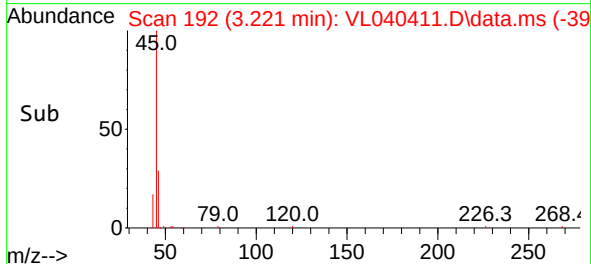
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510



Tgt Ion: 45 Resp: 9066
Ion Ratio Lower Upper
45 100
46 41.1 15.3 61.3

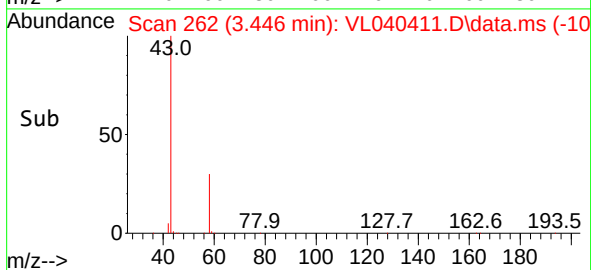
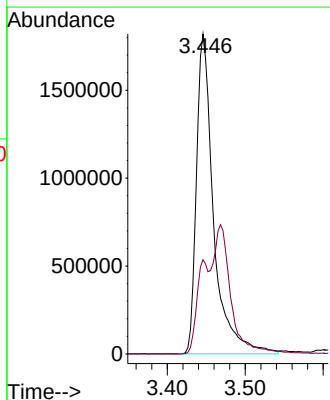
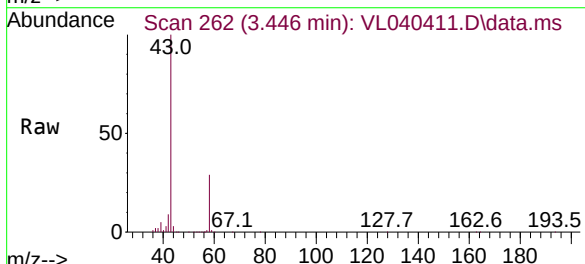
Manual Integrations
APPROVED

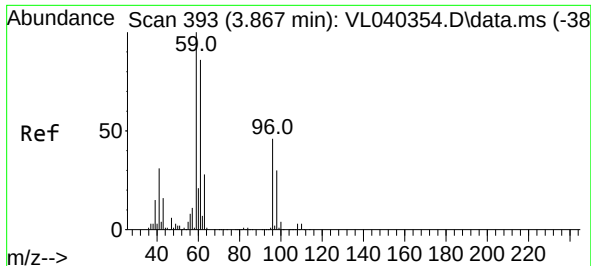
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#15
Acetone
Concen: 18.054 ppbv
RT: 3.446 min Scan# 262
Delta R.T. -0.009 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Tgt Ion: 43 Resp: 2778148
Ion Ratio Lower Upper
43 100
58 63.8 22.2 33.2#





#17

tert-Butyl alcohol

Concen: 1.747 ppbv

RT: 3.867 min Scan# 393

Delta R.T. -0.000 min

Lab File: VL040411.D

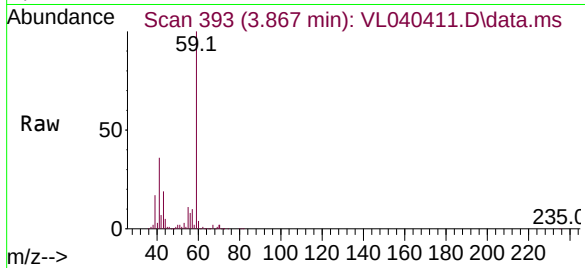
Acq: 11 May 2023 21:59

Instrument :

MSVOA_L

ClientSampleId :

SV-01-20230510



Tgt Ion: 59 Resp: 246910

Ion Ratio Lower Upper

59 100

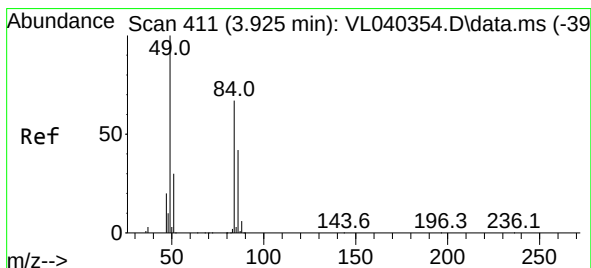
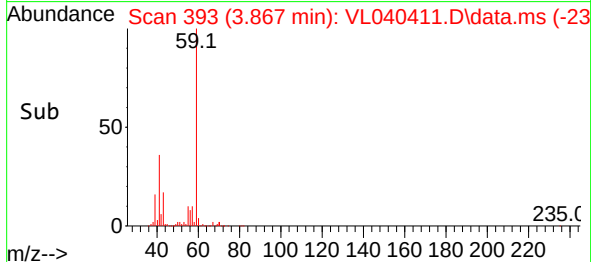
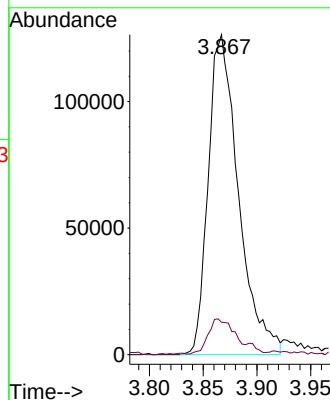
57 12.1 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/15/2023

Supervised By :Mahesh Dadoda 05/15/2023



#20

Methylene Chloride

Concen: 2.579 ppbv

RT: 3.918 min Scan# 409

Delta R.T. -0.007 min

Lab File: VL040411.D

Acq: 11 May 2023 21:59

Tgt Ion: 84 Resp: 158418

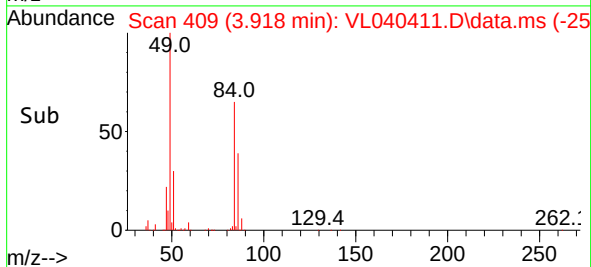
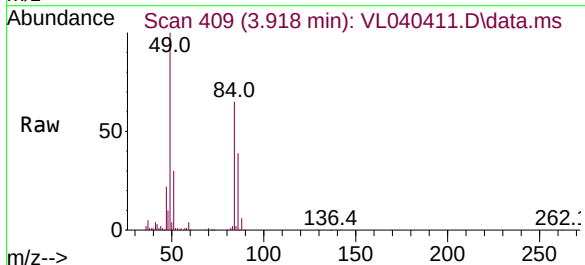
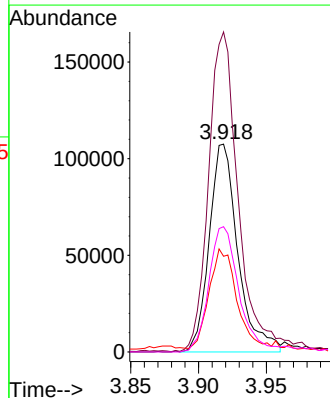
Ion Ratio Lower Upper

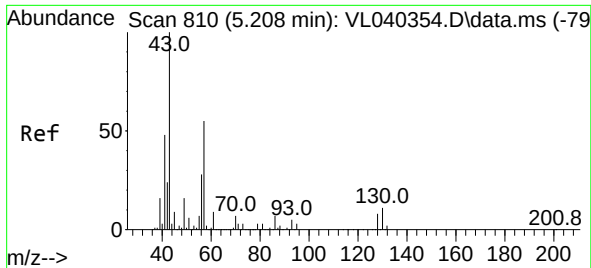
84 100

49 153.6 120.1 180.1

51 43.9 36.3 54.5

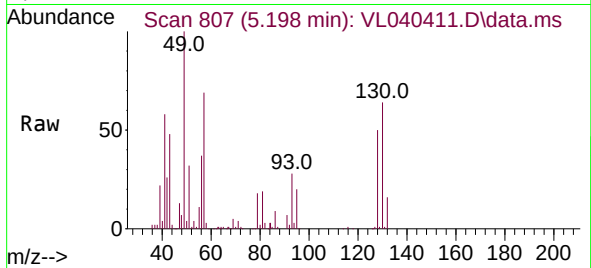
86 60.2 50.8 76.2





#26
Hexane
Concen: 1.751 ppbv
RT: 5.198 min Scan# 810
Delta R.T. -0.010 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

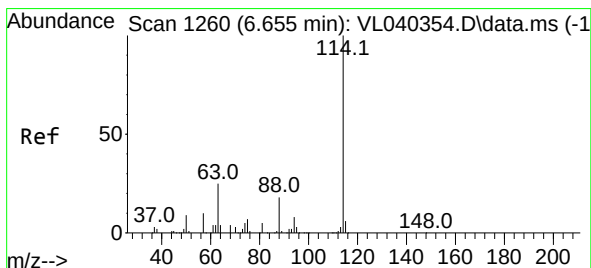
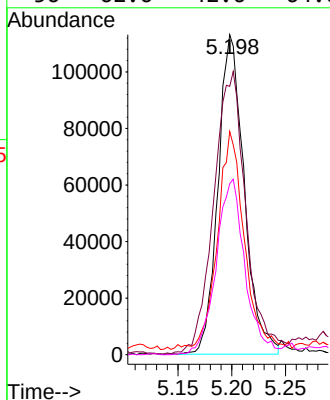
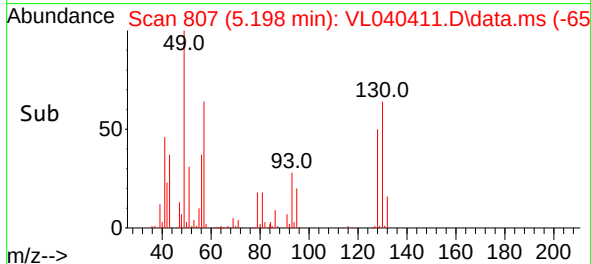
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510



Tgt Ion: 57 Resp: 191090
Ion Ratio Lower Upper
57 100
41 109.4 74.8 112.2
43 0.0 192.7 289.1
56 62.6 42.6 64.0

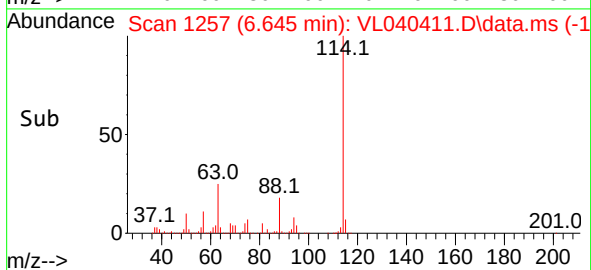
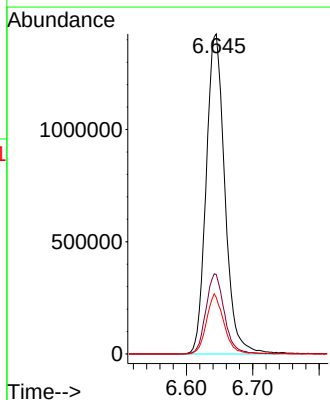
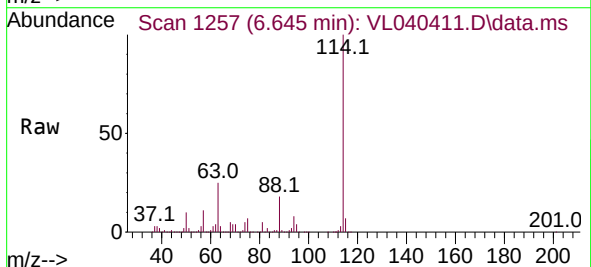
Manual Integrations
APPROVED

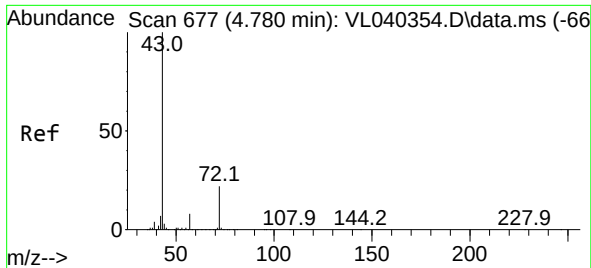
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Tgt Ion:114 Resp: 2789994
Ion Ratio Lower Upper
114 100
63 25.0 21.4 32.0
88 17.6 14.6 22.0





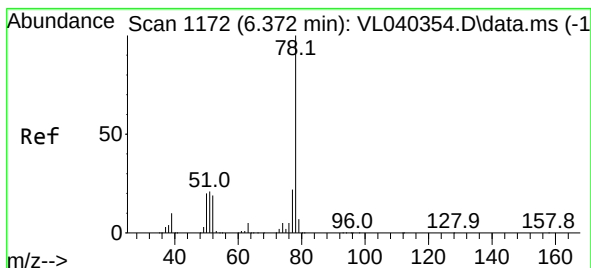
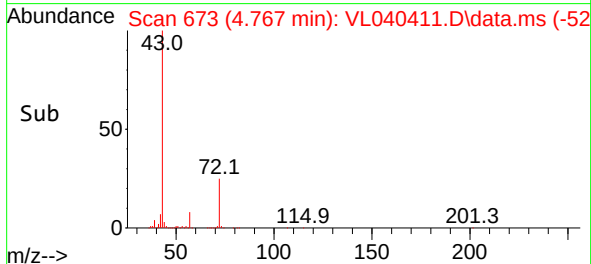
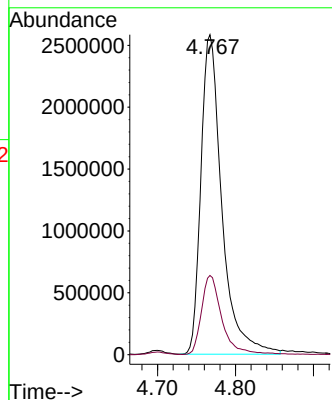
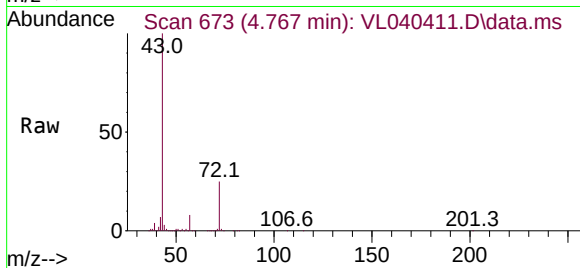
#34
2-Butanone
Concen: 32.049 ppbv
RT: 4.767 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510

Tgt Ion: 43 Resp: 4821594
Ion Ratio Lower Upper
43 100
72 24.4 18.4 27.6

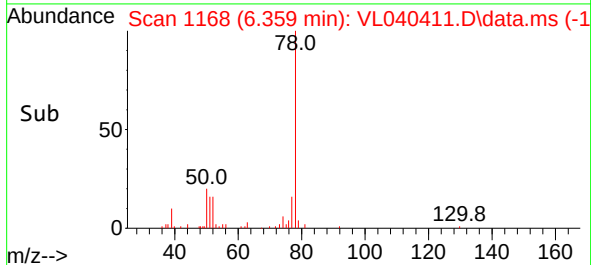
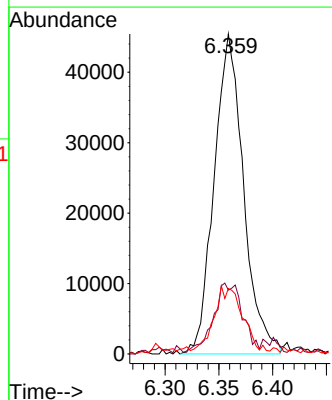
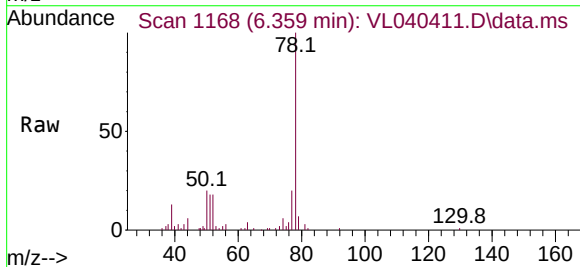
Manual Integrations
APPROVED

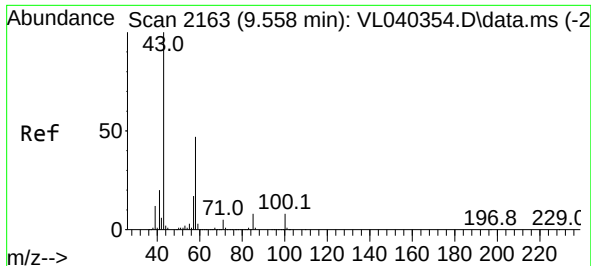
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#36
Benzene
Concen: 0.379 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.013 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

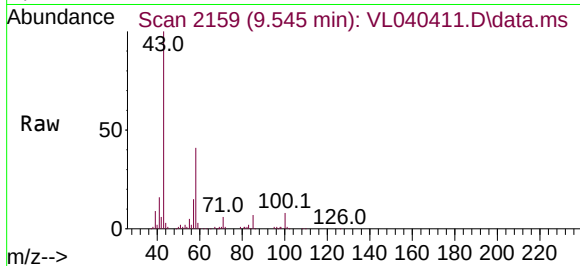
Tgt Ion: 78 Resp: 86314
Ion Ratio Lower Upper
78 100
77 18.3 17.8 26.8
50 20.0 15.6 23.4





#51
2-Hexanone
Concen: 1.443 ppbv
RT: 9.545 min Scan# 2163
Delta R.T. -0.013 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

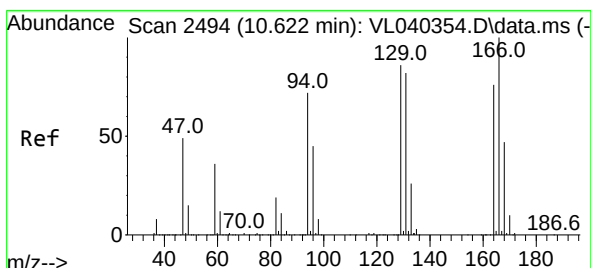
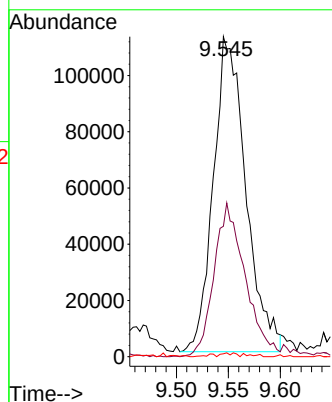
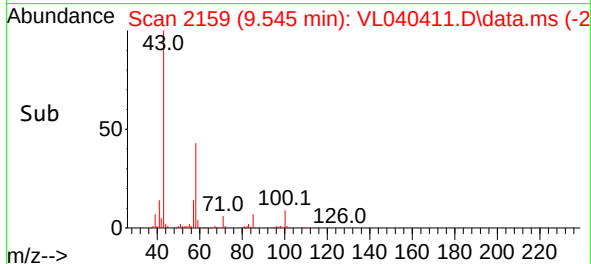
Instrument : MSVOA_L
ClientSampleId : SV-01-20230510



Tgt Ion: 43 Resp: 24326
Ion Ratio Lower Upper
43 100
58 48.6 38.3 57.5
98 1.0 0.4 0.6

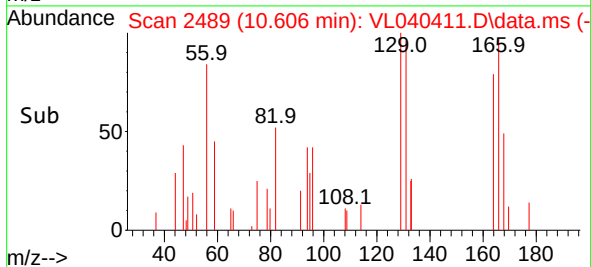
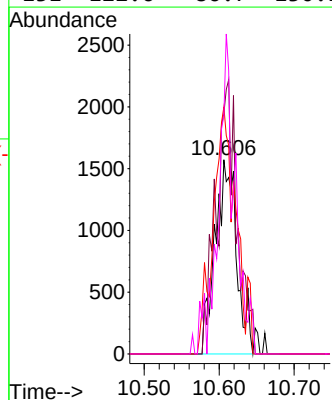
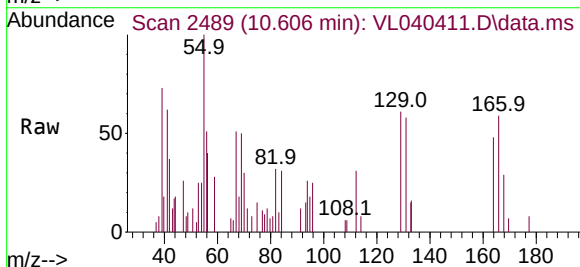
Manual Integrations
APPROVED

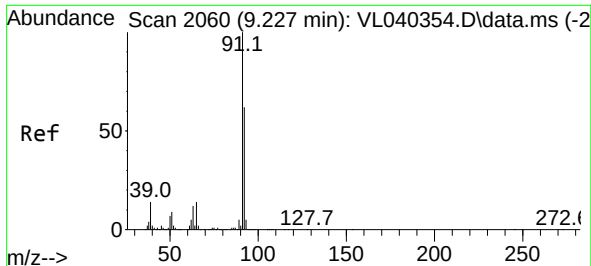
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#52
Tetrachloroethene
Concen: 0.045 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. -0.016 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Tgt Ion:164 Resp: 3234
Ion Ratio Lower Upper
164 100
166 123.8 105.2 157.8
129 127.2 90.3 135.5
131 122.6 86.7 130.1





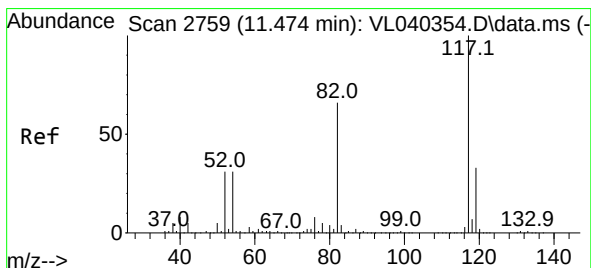
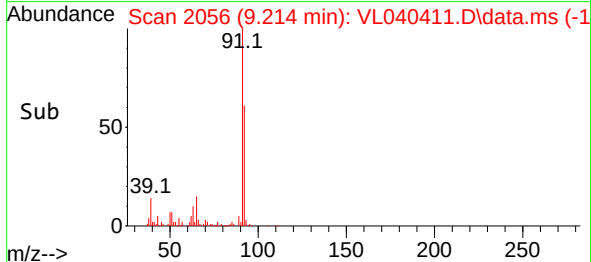
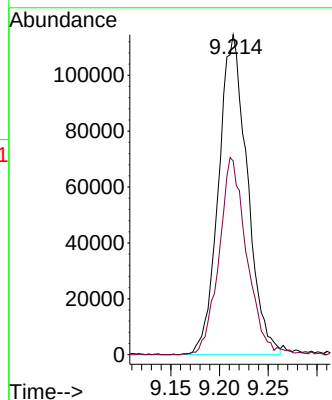
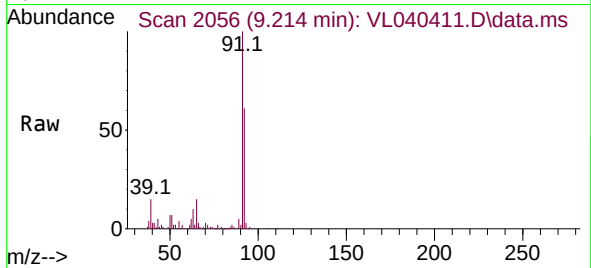
#53
Toluene
Concen: 0.973 ppbv
RT: 9.214 min Scan# 2060
Delta R.T. -0.013 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510

Tgt Ion: 91 Resp: 234849
Ion Ratio Lower Upper
91 100
92 59.9 48.9 73.3

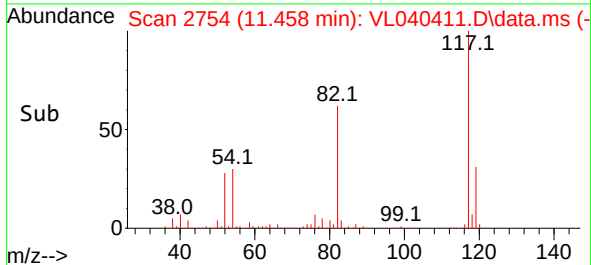
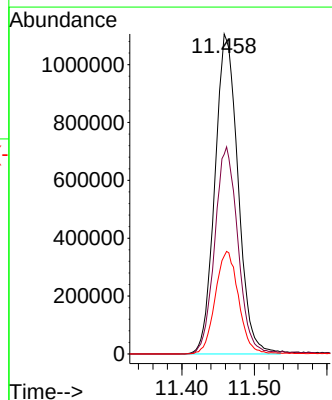
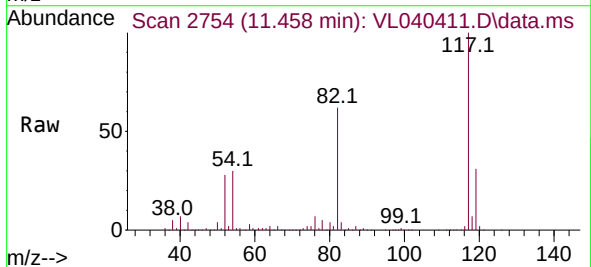
Manual Integrations
APPROVED

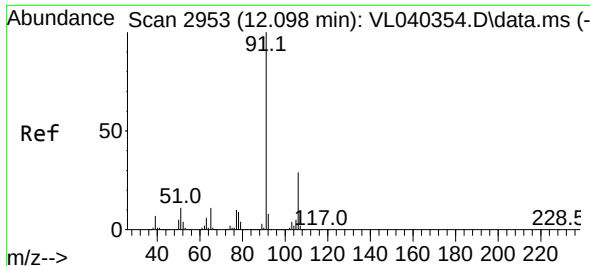
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.016 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Tgt Ion:117 Resp: 2454471
Ion Ratio Lower Upper
117 100
82 64.9 52.5 78.7
119 32.5 24.3 36.5





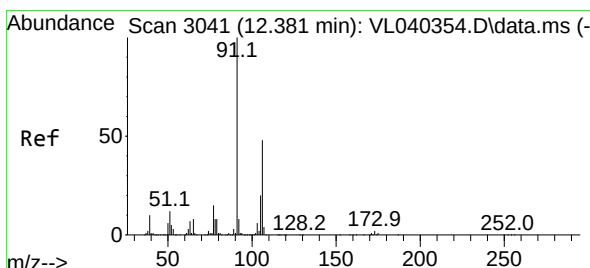
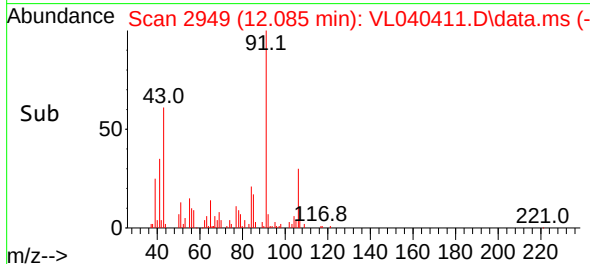
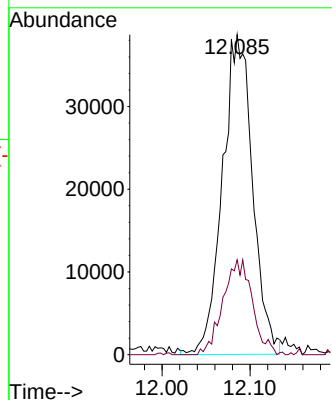
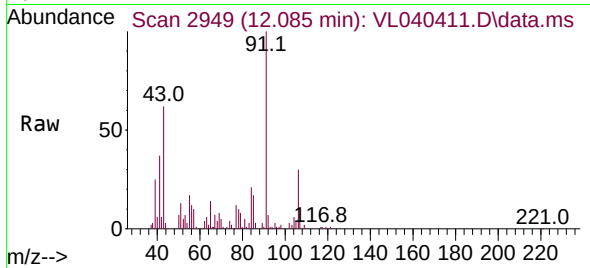
#58
Ethyl Benzene
Concen: 0.305 ppbv m
RT: 12.085 min Scan# 2949
Delta R.T. -0.013 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510

Tgt Ion: 91 Resp: 91980
Ion Ratio Lower Upper
91 100
106 29.7 23.5 35.3

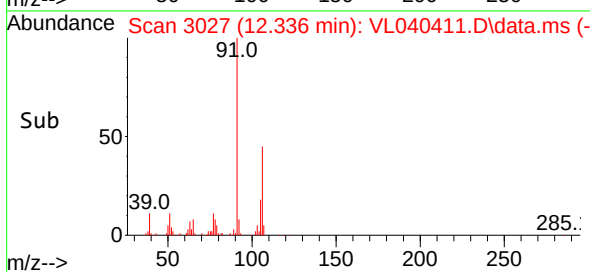
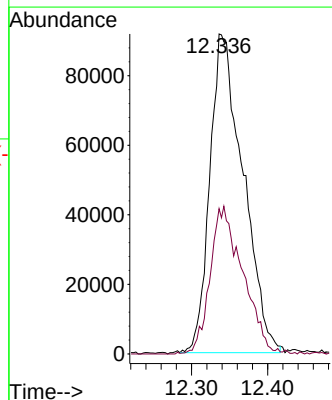
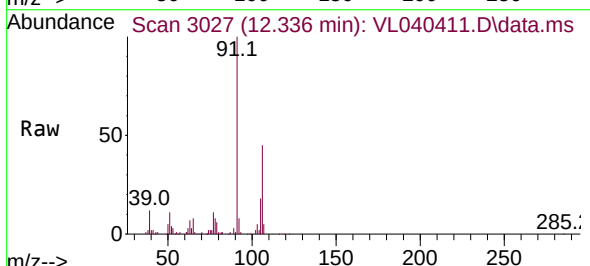
Manual Integrations
APPROVED

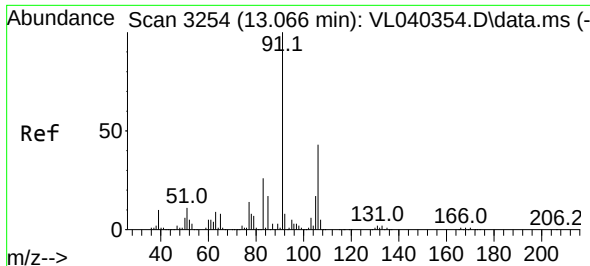
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#59
m/p-Xylene
Concen: 1.000 ppbv
RT: 12.336 min Scan# 3027
Delta R.T. -0.045 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Tgt Ion: 91 Resp: 277736
Ion Ratio Lower Upper
91 100
106 46.1 34.7 52.1





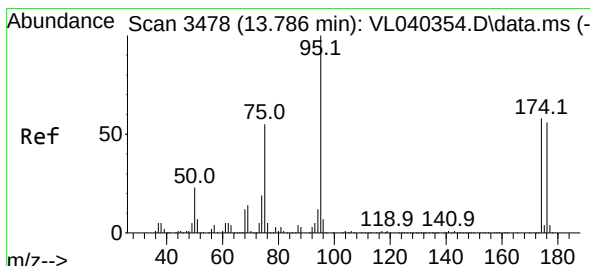
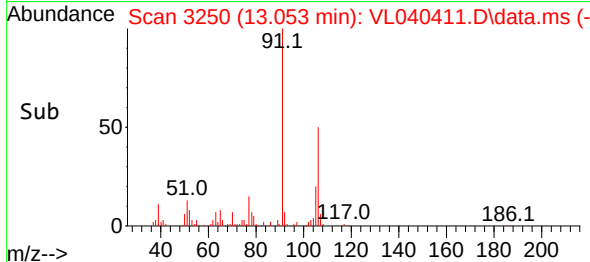
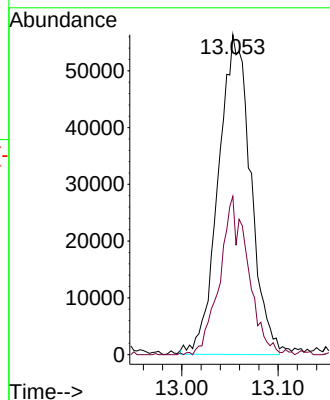
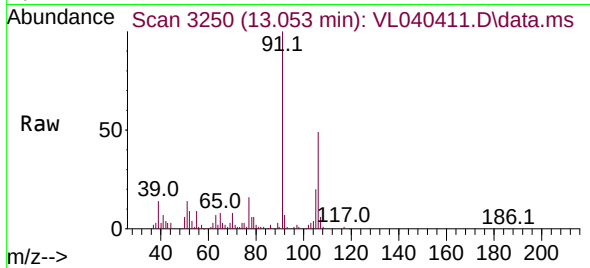
#60
o-Xylene
Concen: 0.491 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510

Tgt Ion: 91 Resp: 130919
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.8

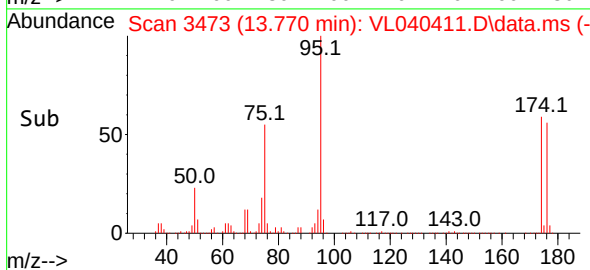
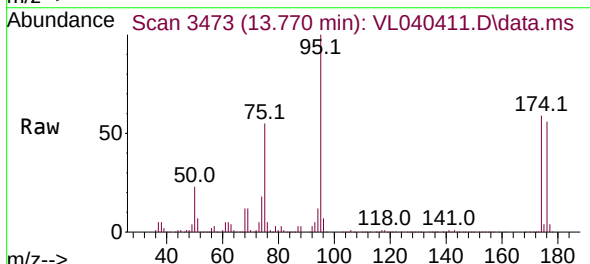
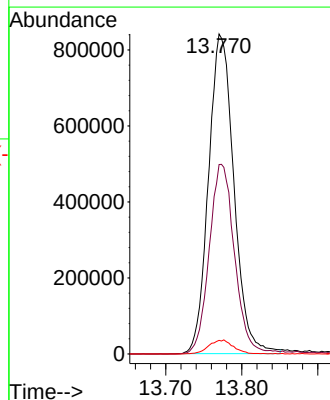
Manual Integrations
APPROVED

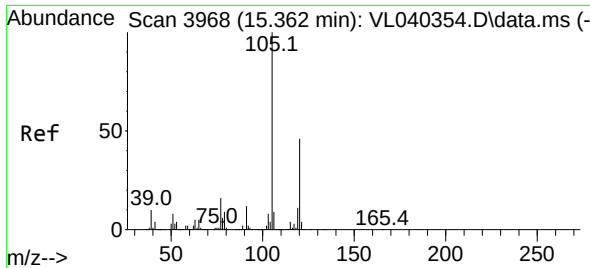
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.612 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. -0.016 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

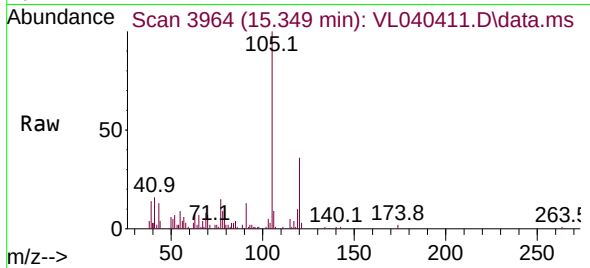
Tgt Ion: 95 Resp: 1950885
Ion Ratio Lower Upper
95 100
174 60.7 47.2 70.8
175 4.3 3.5 5.3





#73
1,3,5-Trimethylbenzene
Concen: 0.218 ppbv m
RT: 15.349 min Scan# 3964
Delta R.T. -0.013 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

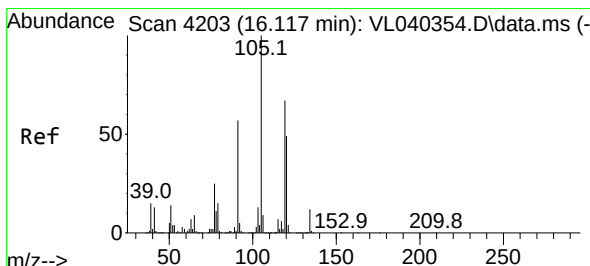
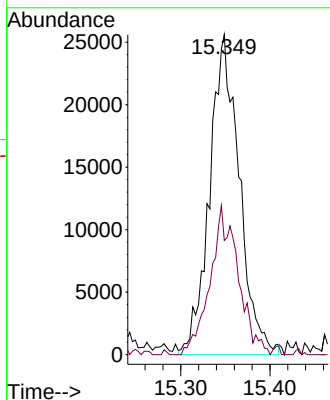
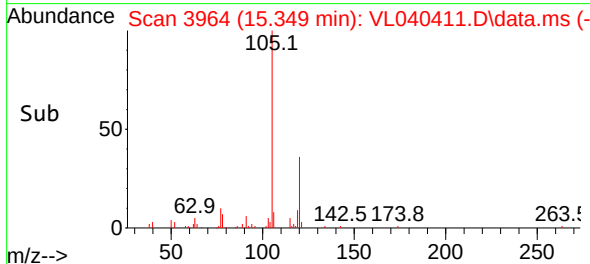
Instrument :
MSVOA_L
ClientSampleId :
SV-01-20230510



Tgt Ion:105 Resp: 59172
Ion Ratio Lower Upper
105 100
120 35.7 36.9 55.3

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.948 ppbv
RT: 16.108 min Scan# 4200
Delta R.T. -0.009 min
Lab File: VL040411.D
Acq: 11 May 2023 21:59

Tgt Ion:105 Resp: 294452
Ion Ratio Lower Upper
105 100
120 41.5 38.9 58.3
91 11.8 46.0 69.0#
77 13.1 20.0 30.0#

