

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040405.D
 Acq On : 11 May 2023 18:03
 Operator : SY/MD
 Sample : 02748-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-04-20230510

Manual Integrations
 APPROVED

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

Quant Time: May 12 05:55:39 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

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	1060130	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	2660669	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2272036	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1725280	9.183	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	57272	0.300	ppbv	99
3) Chlorodifluoromethane	2.648	51	67016m	0.484	ppbv	
4) Chloromethane	2.796	50	32938	0.376	ppbv	96
11) Trichlorofluoromethane	3.549	101	65085m	0.336	ppbv	
13) Ethanol	3.218	45	298326	65.298	ppbv	98
15) Acetone	3.449	43	772862	5.147	ppbv	92
19) Isopropyl Alcohol	3.562	45	275485	4.021	ppbv #	98
20) Methylene Chloride	3.919	84	492066	8.208	ppbv	96
26) Hexane	5.198	57	403158	3.785	ppbv #	38
34) 2-Butanone	4.777	43	245594	1.712	ppbv	99
35) Carbon Tetrachloride	6.478	117	11944m	0.064	ppbv	
36) Benzene	6.362	78	54633	0.252	ppbv #	91
44) 2,2,4-Trimethylpentane	7.317	57	90389m	0.249	ppbv	
52) Tetrachloroethene	10.606	164	3800m	0.056	ppbv	
53) Toluene	9.214	91	189500	0.823	ppbv	96
60) o-Xylene	13.060	91	28379m	0.115	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	32182	0.112	ppbv #	65

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

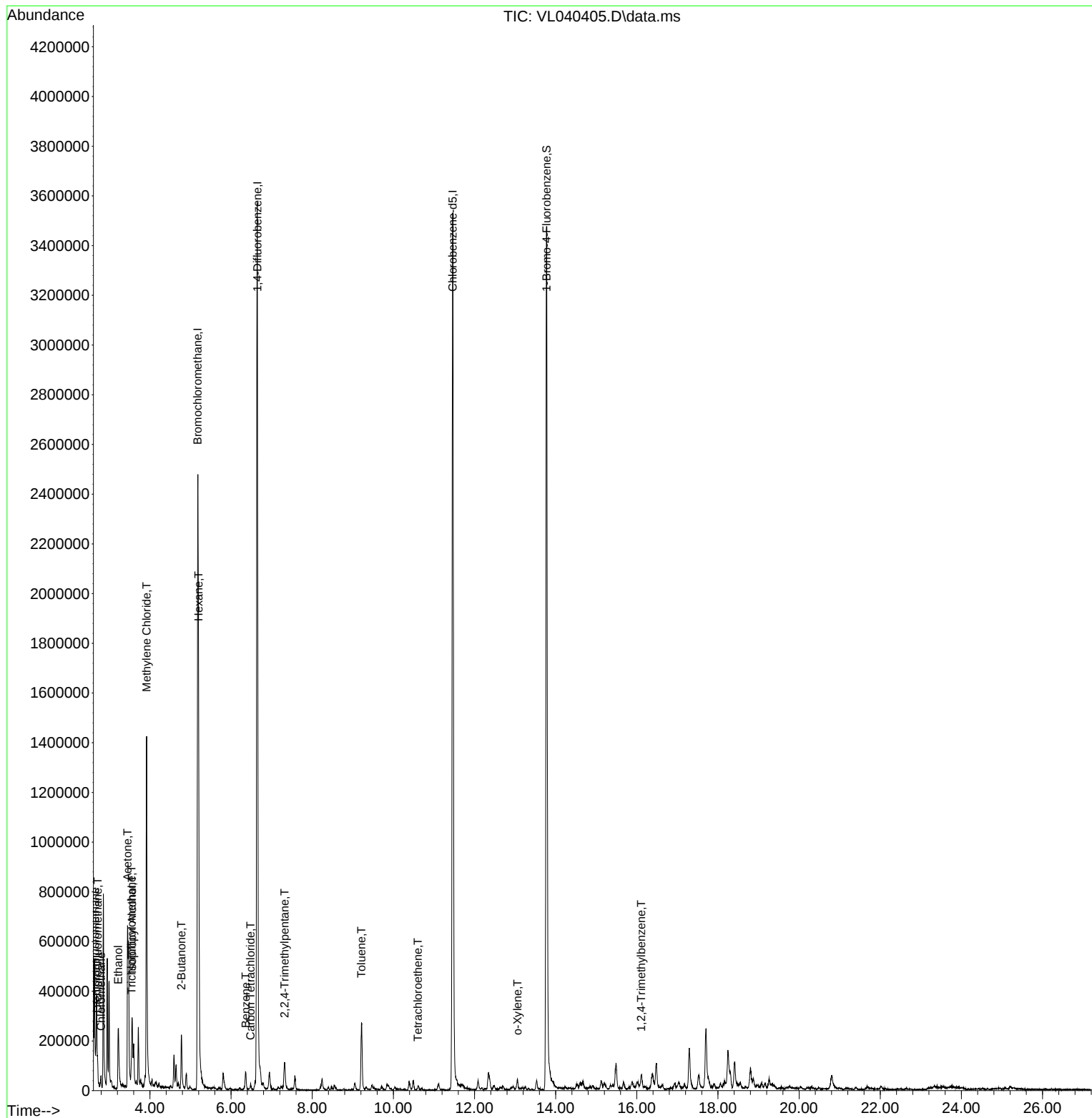
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
Data File : VL040405.D
Acq On : 11 May 2023 18:03
Operator : SY/MD
Sample : 02748-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

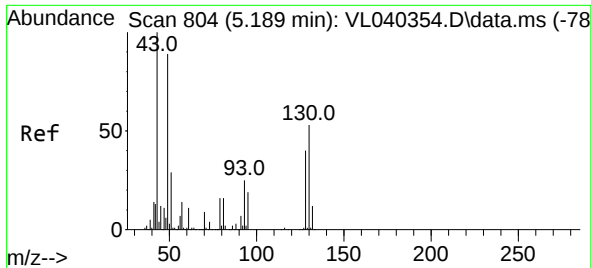
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510

Quant Time: May 12 05:55:39 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

Manual Integrations
APPROVED

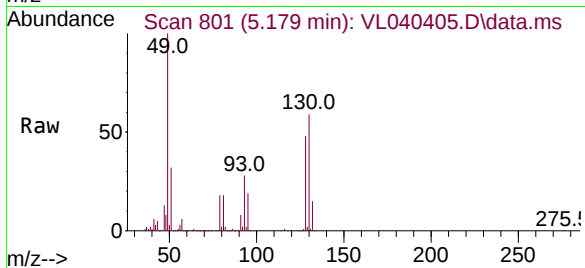
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

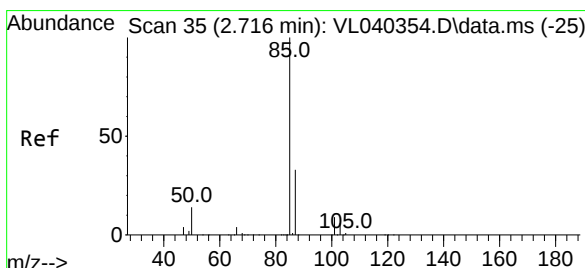
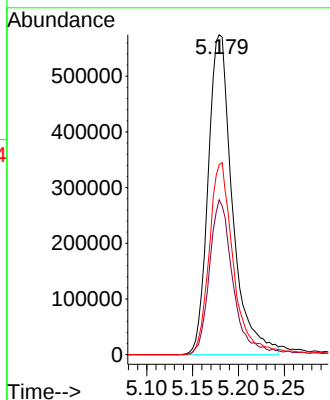
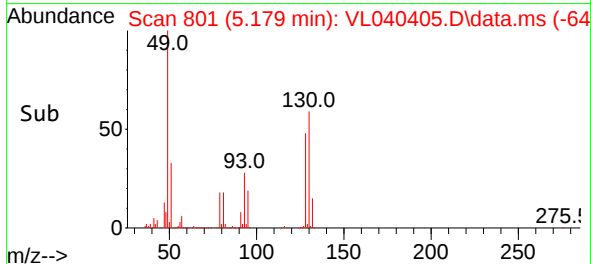
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 49 Resp: 1060130
Ion Ratio Lower Upper
49 100
128 48.1 23.7 71.1
130 61.4 29.9 89.8

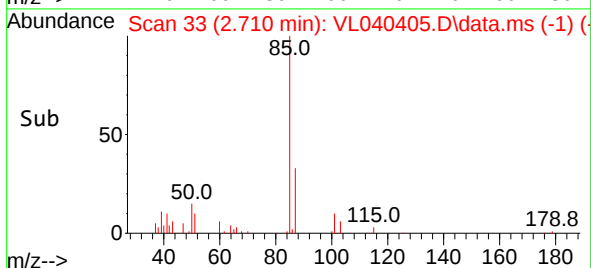
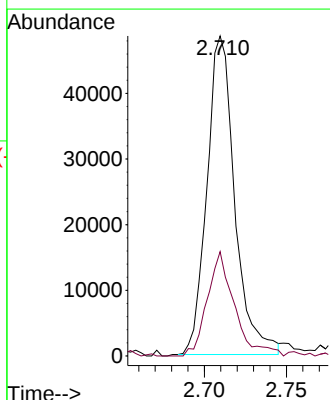
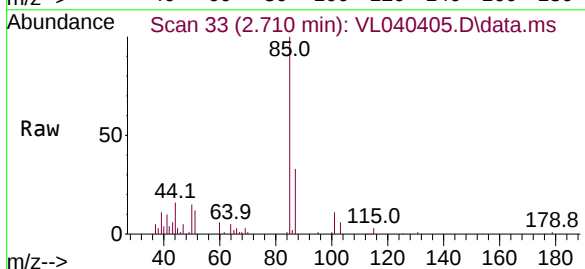
Manual Integrations
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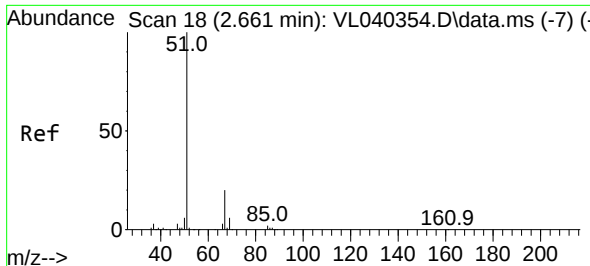
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#2
Dichlorodifluoromethane
Concen: 0.300 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.006 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

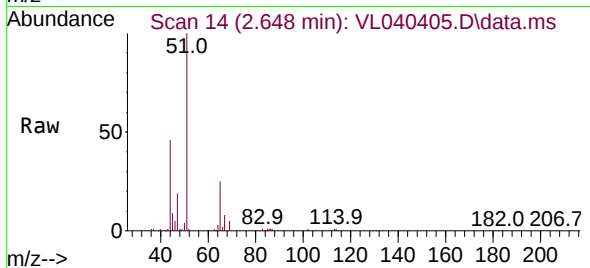
Tgt Ion: 85 Resp: 57272
Ion Ratio Lower Upper
85 100
87 32.7 26.6 40.0





#3
Chlorodifluoromethane
Concen: 0.484 ppbv m
RT: 2.648 min Scan# 14
Delta R.T. -0.013 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

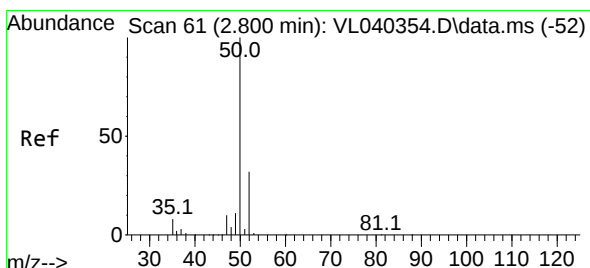
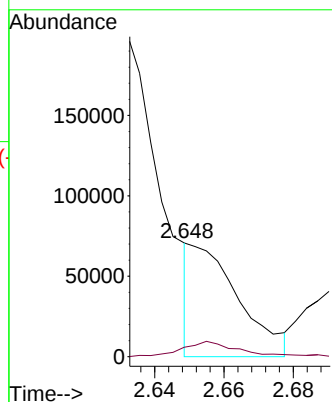
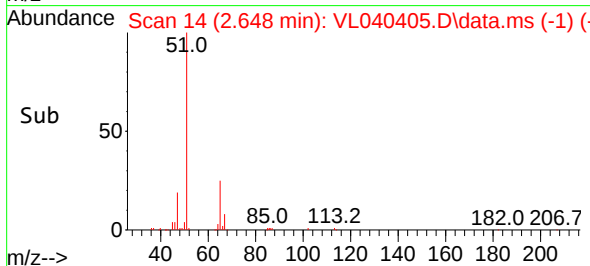
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 51 Resp: 67010
Ion Ratio Lower Upper
51 100
67 0.0 15.5 23.3

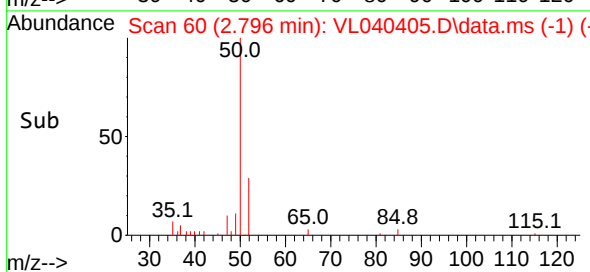
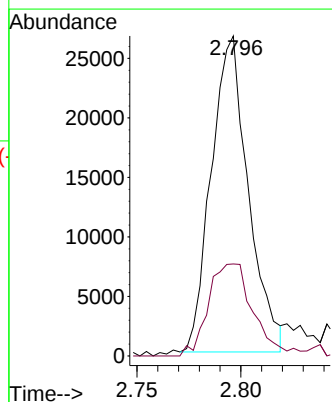
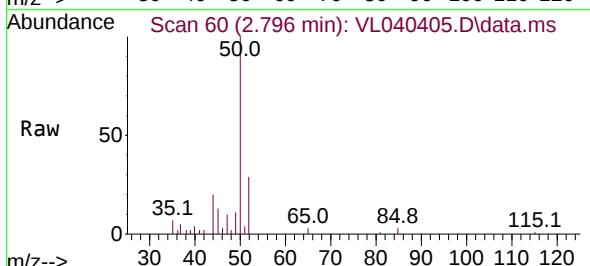
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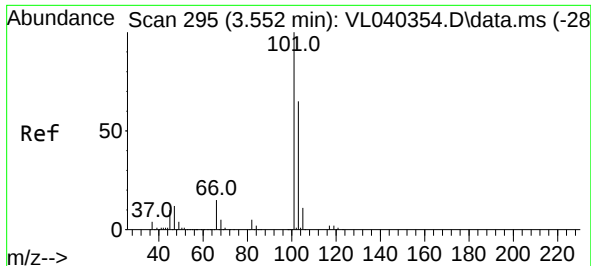
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#4
Chloromethane
Concen: 0.376 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

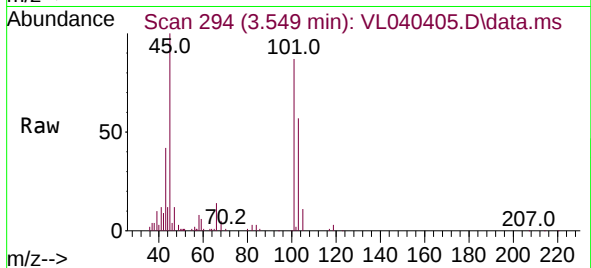
Tgt Ion: 50 Resp: 32938
Ion Ratio Lower Upper
50 100
52 29.1 25.3 37.9





#11
Trichlorofluoromethane
Concen: 0.336 ppbv m
RT: 3.549 min Scan# 295
Delta R.T. -0.003 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

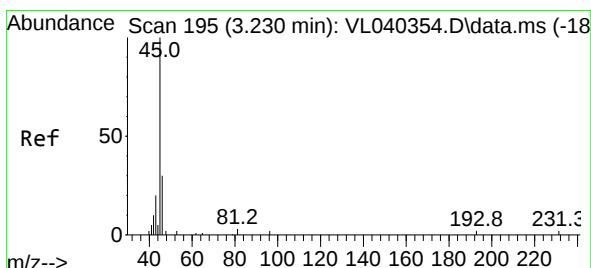
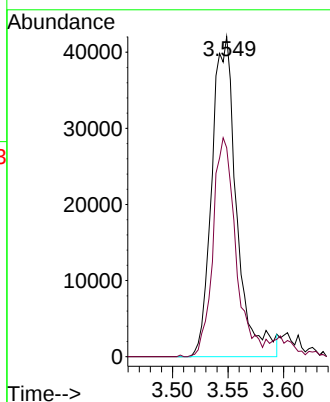
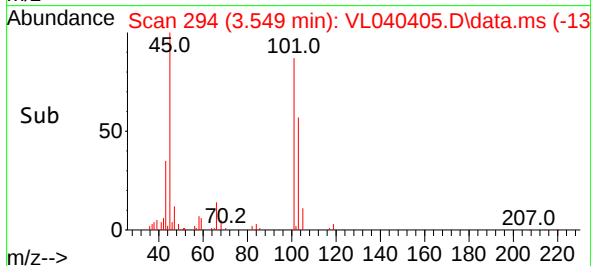
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion:101 Resp: 65085
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4

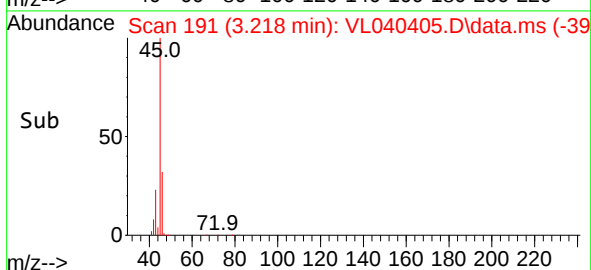
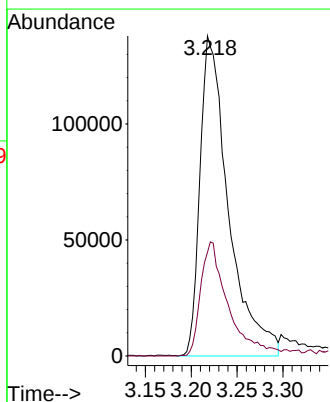
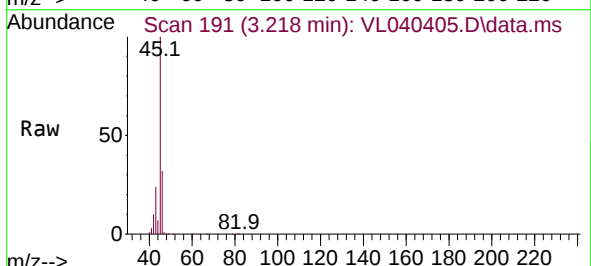
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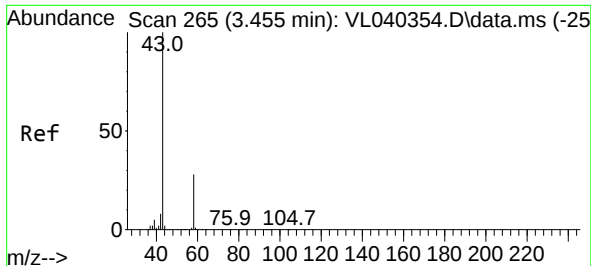
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#13
Ethanol
Concen: 65.298 ppbv
RT: 3.218 min Scan# 191
Delta R.T. -0.012 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

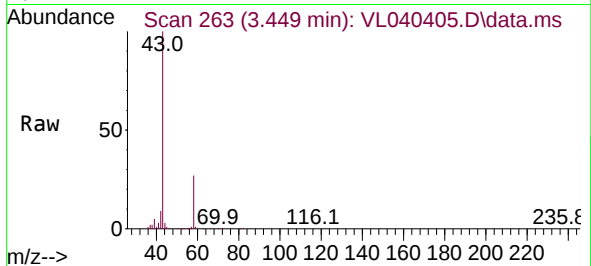
Tgt Ion: 45 Resp: 298326
Ion Ratio Lower Upper
45 100
46 37.0 15.3 61.3





#15
Acetone
Concen: 5.147 ppbv
RT: 3.449 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

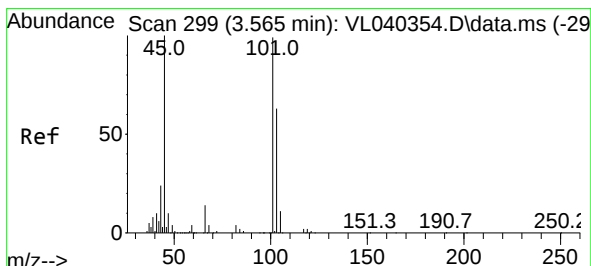
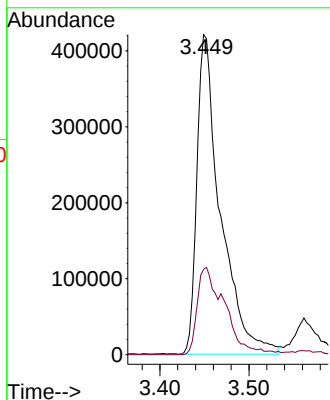
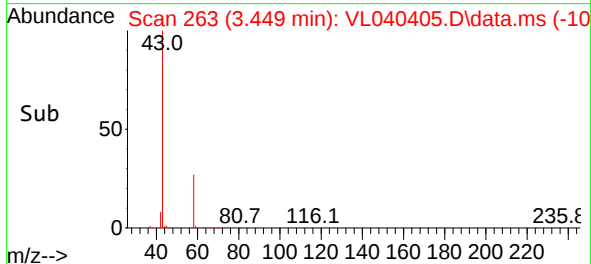
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 43 Resp: 772862
Ion Ratio Lower Upper
43 100
58 31.9 22.2 33.2

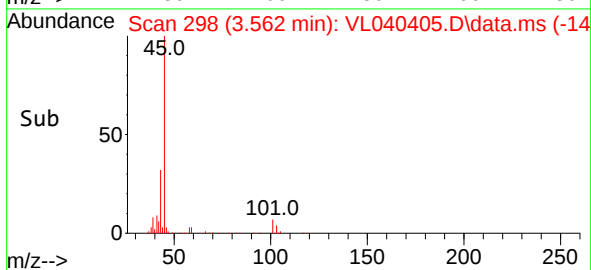
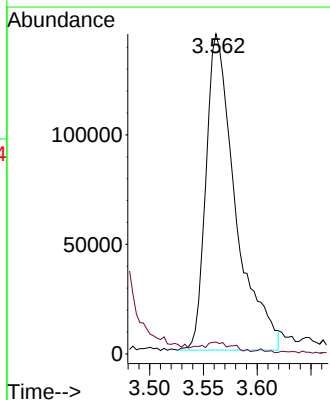
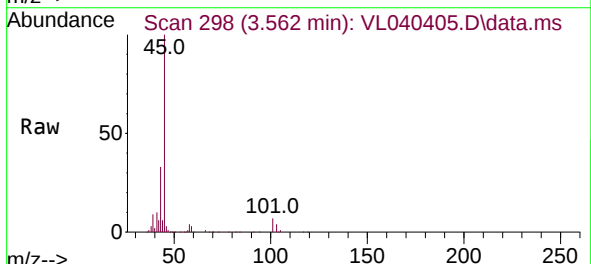
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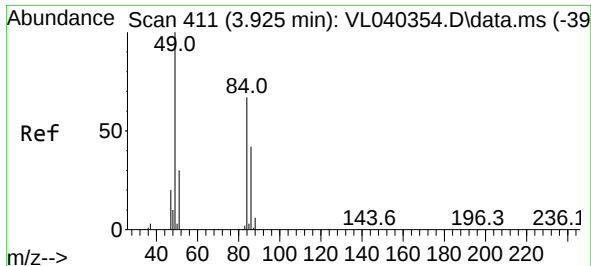
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#19
Isopropyl Alcohol
Concen: 4.021 ppbv
RT: 3.562 min Scan# 298
Delta R.T. -0.003 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

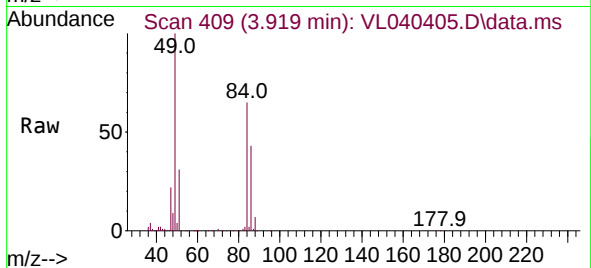
Tgt Ion: 45 Resp: 275485
Ion Ratio Lower Upper
45 100
58 4.0 2.6 4.0#





#20
Methylene Chloride
Concen: 8.208 ppbv
RT: 3.919 min Scan# 409
Delta R.T. -0.006 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510

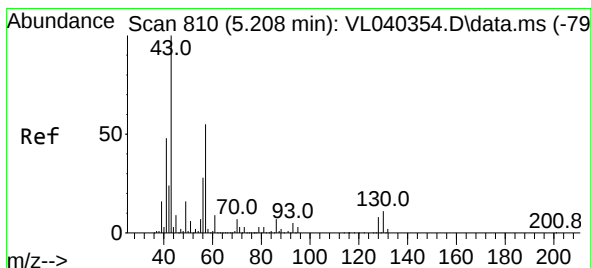
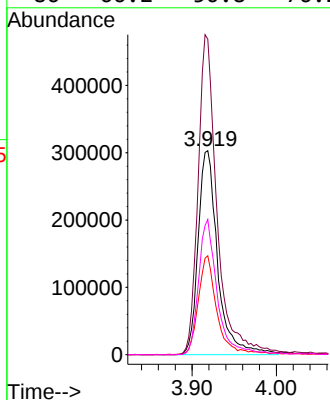
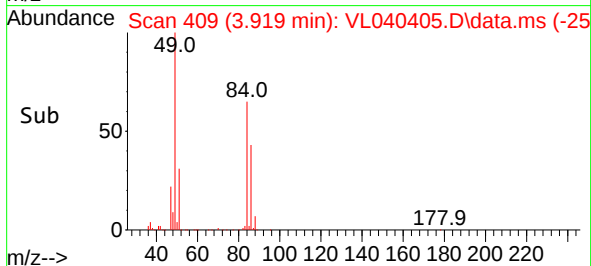


Tgt Ion: 84 Resp: 492060

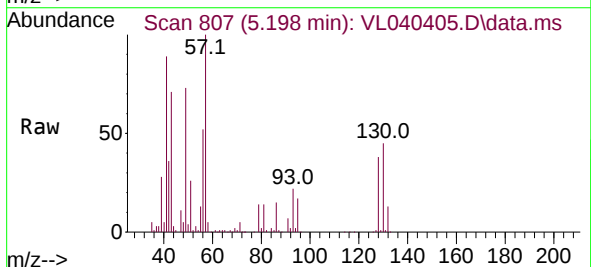
Ion	Ratio	Lower	Upper
84	100		
49	154.4	120.1	180.1
51	48.3	36.3	54.5
86	66.2	50.8	76.2

Manual Integrations
APPROVED

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

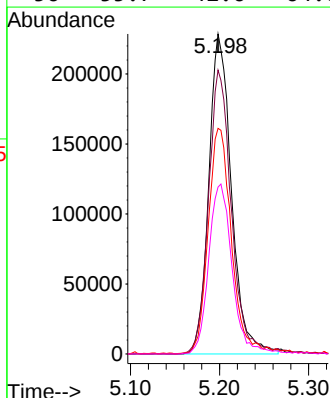
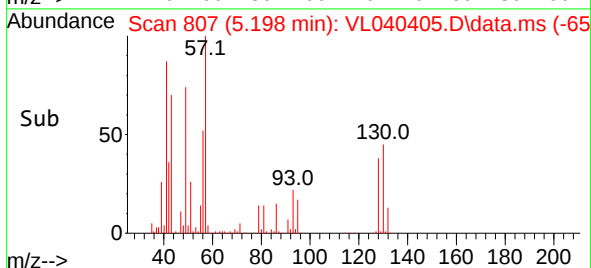


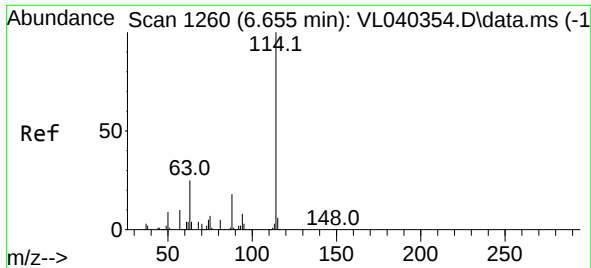
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Hexane
Concen: 3.785 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.010 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03



Tgt Ion: 57 Resp: 403158

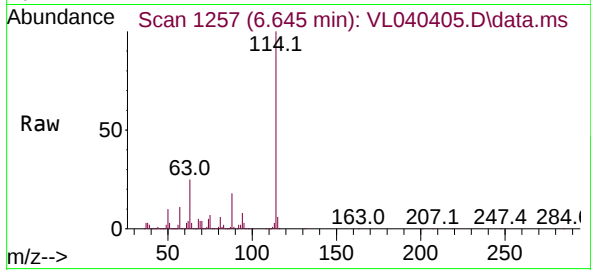
Ion	Ratio	Lower	Upper
57	100		
41	91.4	74.8	112.2
43	73.2	192.7	289.1#
56	55.7	42.6	64.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

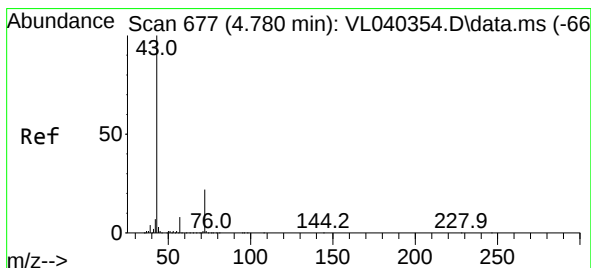
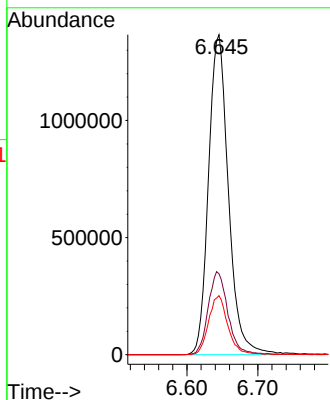
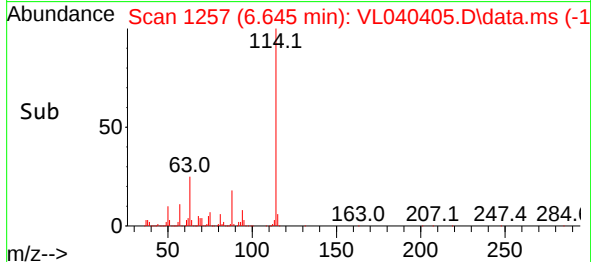
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion:114 Resp: 2660669
Ion Ratio Lower Upper
114 100
63 26.0 21.4 32.0
88 18.0 14.6 22.0

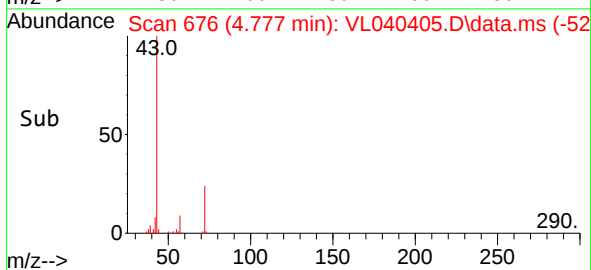
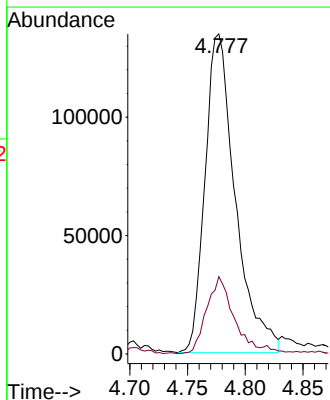
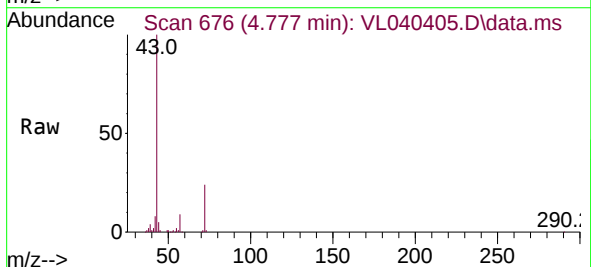
Manual Integrations
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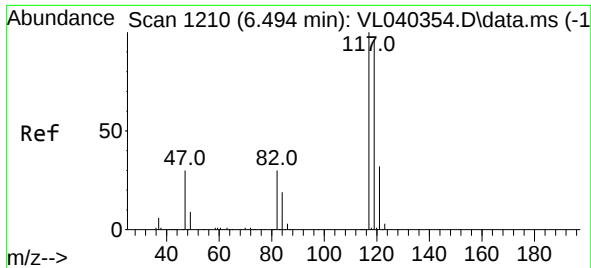
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#34
2-Butanone
Concen: 1.712 ppbv
RT: 4.777 min Scan# 676
Delta R.T. -0.003 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

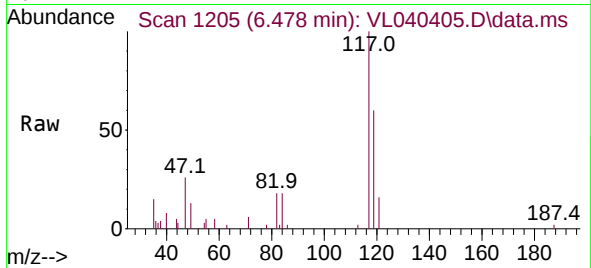
Tgt Ion: 43 Resp: 245594
Ion Ratio Lower Upper
43 100
72 23.6 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.064 ppbv
RT: 6.478 min Scan# 1194
Delta R.T. -0.016 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

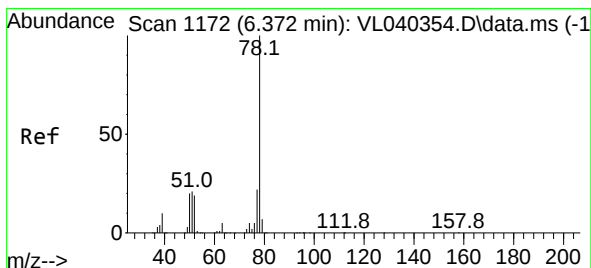
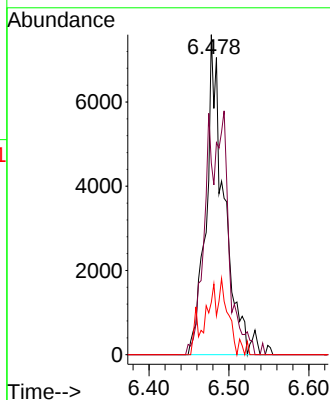
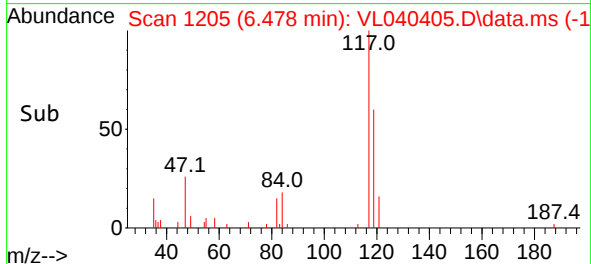
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 117 Resp: 1194
Ion Ratio Lower Upper
117 100
119 59.9 76.6 114.8
121 16.4 25.3 37.9

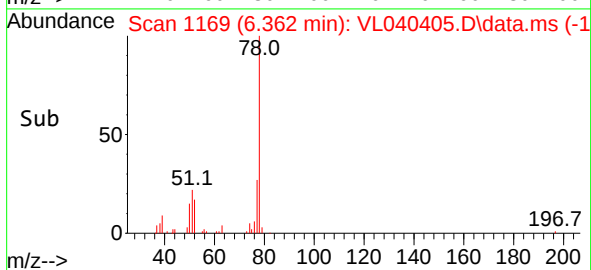
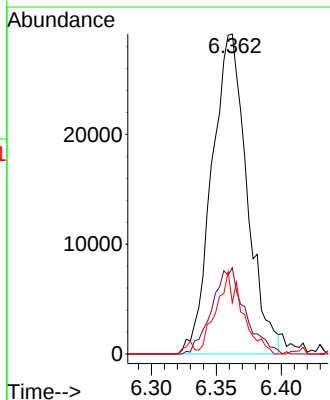
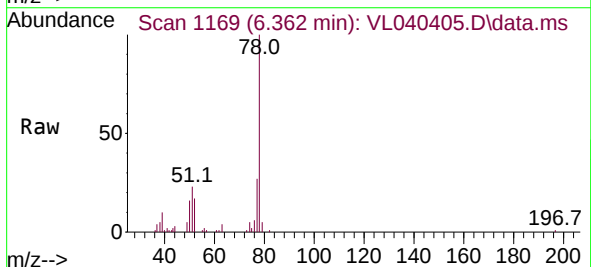
Manual Integrations
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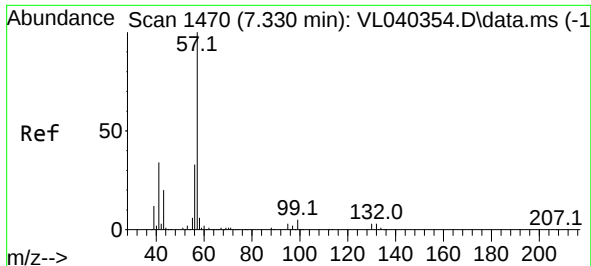
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#36
Benzene
Concen: 0.252 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.010 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

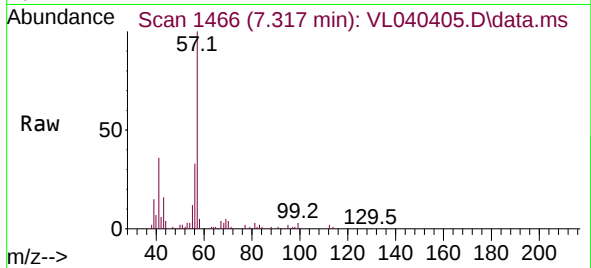
Tgt Ion: 78 Resp: 54633
Ion Ratio Lower Upper
78 100
77 26.9 17.8 26.8
50 16.1 15.6 23.4





#44
2,2,4-Trimethylpentane
Concen: 0.249 ppbv m
RT: 7.317 min Scan# 1466
Delta R.T. -0.013 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

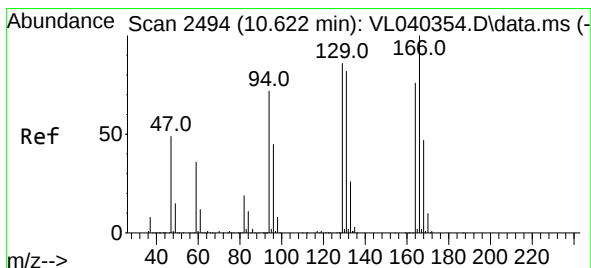
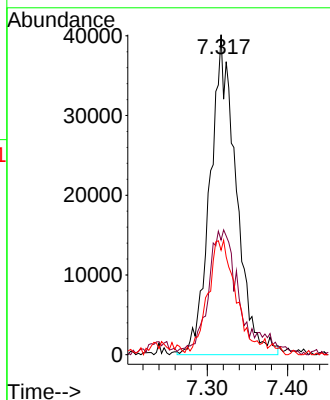
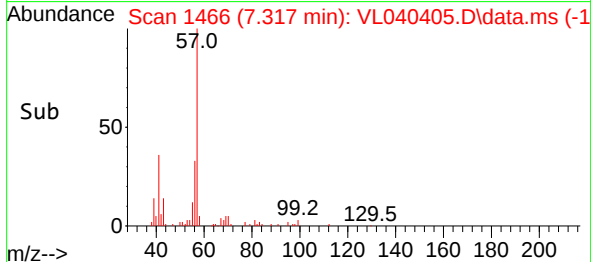
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



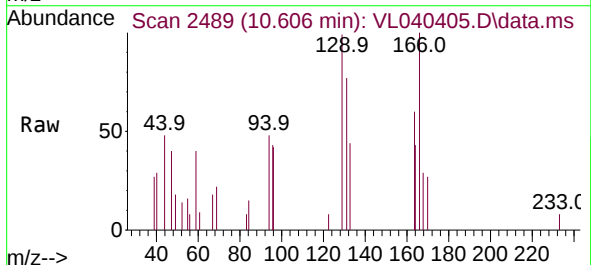
Tgt Ion: 57 Resp: 90389
Ion Ratio Lower Upper
57 100
41 48.3 26.9 40.3#
56 40.9 25.1 37.7#

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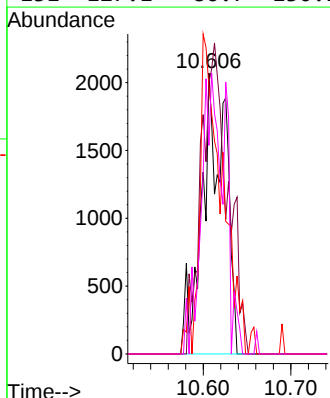
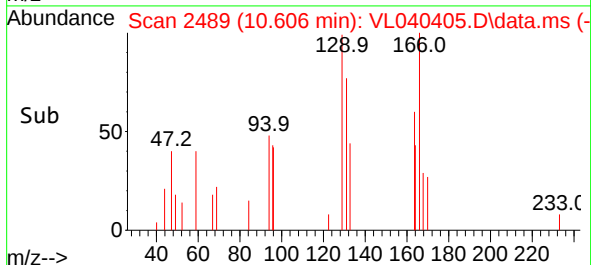
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023

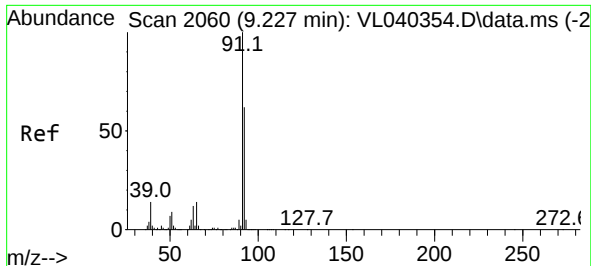


#52
Tetrachloroethene
Concen: 0.056 ppbv m
RT: 10.606 min Scan# 2489
Delta R.T. -0.016 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03



Tgt Ion:164 Resp: 3800
Ion Ratio Lower Upper
164 100
166 165.7 105.2 157.8#
129 163.5 90.3 135.5#
131 127.1 86.7 130.1#





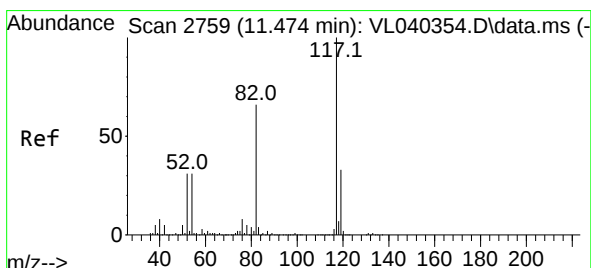
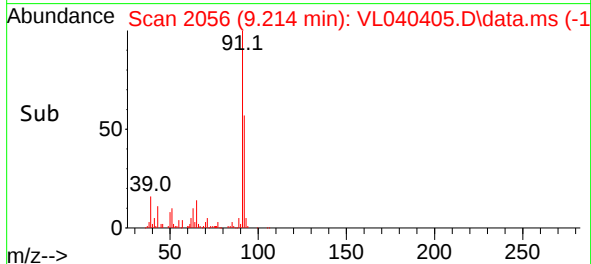
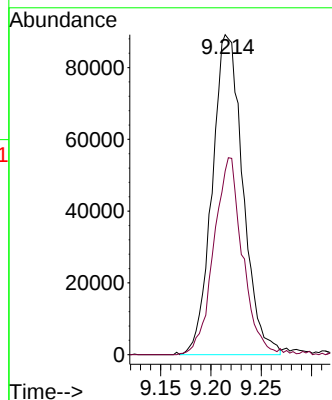
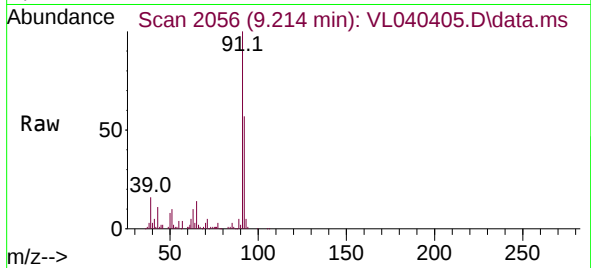
#53
Toluene
Concen: 0.823 ppbv
RT: 9.214 min Scan# 2060
Delta R.T. -0.013 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510

Tgt Ion: 91 Resp: 189500
Ion Ratio Lower Upper
91 100
92 58.2 48.9 73.3

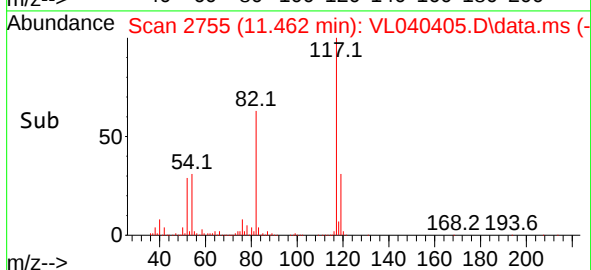
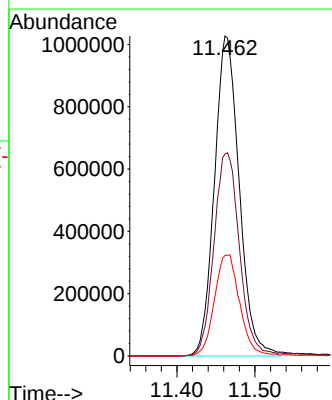
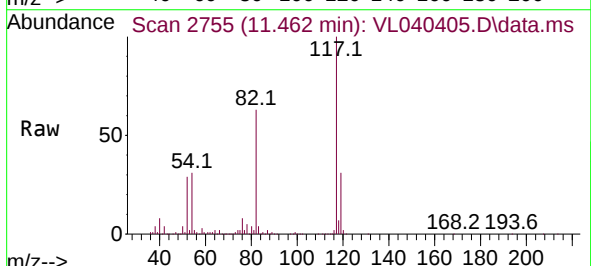
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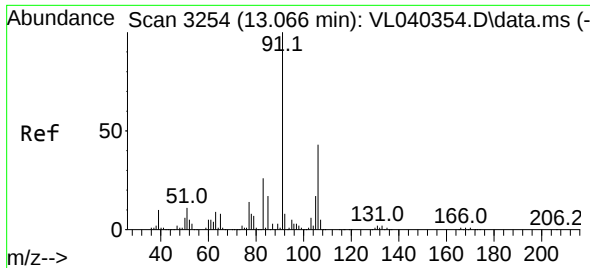
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.012 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

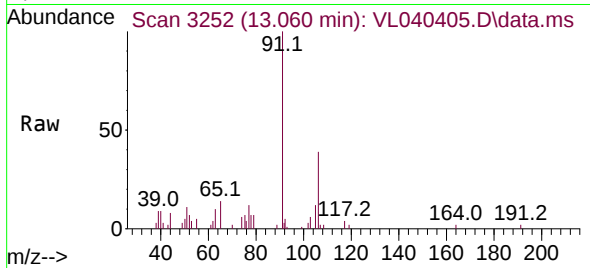
Tgt Ion:117 Resp: 2272036
Ion Ratio Lower Upper
117 100
82 66.3 52.5 78.7
119 32.7 24.3 36.5





#60
o-Xylene
Concen: 0.115 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

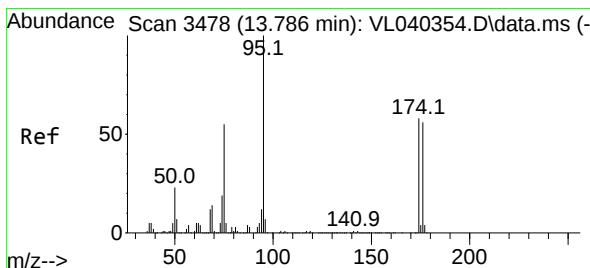
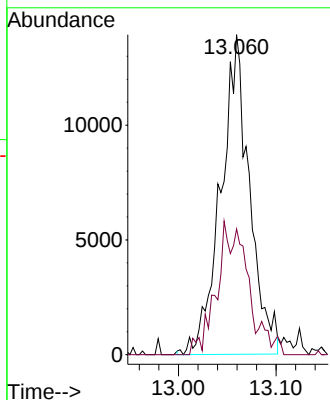
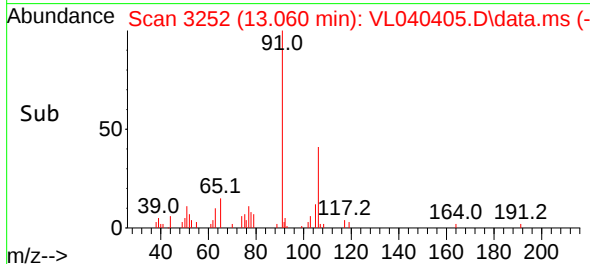
Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion: 91 Resp: 28379
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.8

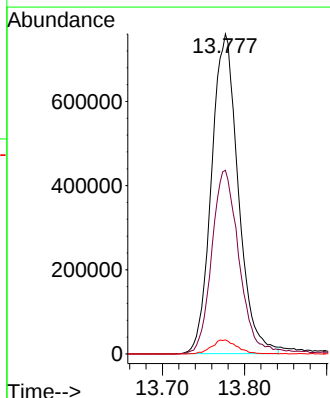
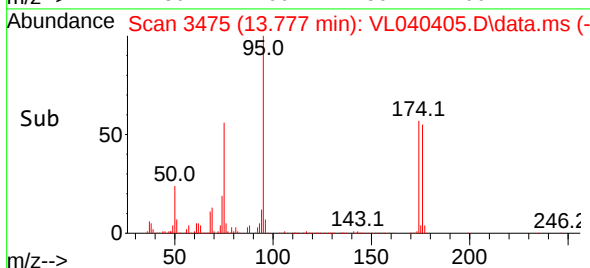
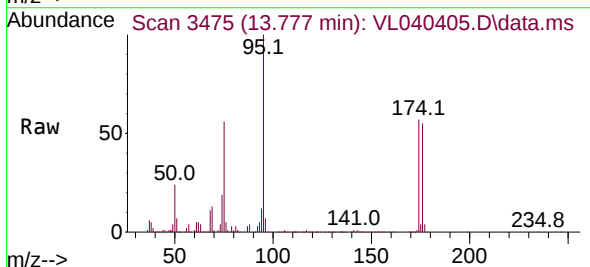
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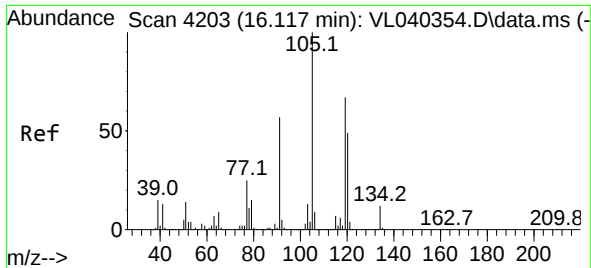
Reviewed By :Krupa Patel 05/15/2023
Supervised By :Mahesh Dadoda 05/15/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.183 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.009 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

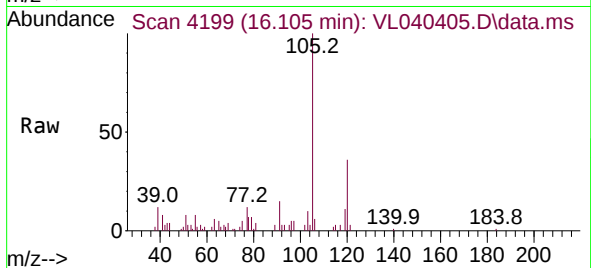
Tgt Ion: 95 Resp: 1725280
Ion Ratio Lower Upper
95 100
174 59.9 47.2 70.8
175 4.2 3.5 5.3





#74
1,2,4-Trimethylbenzene
Concen: 0.112 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. -0.012 min
Lab File: VL040405.D
Acq: 11 May 2023 18:03

Instrument :
MSVOA_L
ClientSampleId :
SV-04-20230510



Tgt Ion:105 Resp: 3218
Ion Ratio Lower Upper
105 100
120 37.7 38.9 58.3
91 12.3 46.0 69.0
77 18.0 20.0 30.0#

Manual Integrations
APPROVED

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

