

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040370.D
 Acq On : 13 Apr 2023 23:06
 Operator : SY/MD
 Sample : 02332-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-19-20230412

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 09:27:58 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	5.189	49	1020767	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2582284	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2491468	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2074687	10.070	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.719	85	43731	0.238	ppbv	89
3) Chlorodifluoromethane	2.661	51	19679m	0.148	ppbv	
4) Chloromethane	2.796	50	11453	0.136	ppbv	98
9) Propene	2.684	41	4194523	79.599	ppbv	94
10) Heptane	7.584	43	326530	2.727	ppbv	100
11) Trichlorofluoromethane	3.552	101	22894	0.123	ppbv	96
13) Ethanol	3.227	45	262564	59.686	ppbv	97
15) Acetone	3.456	43	3298191	22.813	ppbv	100
17) tert-Butyl alcohol	3.874	59	271918	2.048	ppbv	96
19) Isopropyl Alcohol	3.568	45	70546	1.069	ppbv #	90
20) Methylene Chloride	3.925	84	27361	0.474	ppbv	89
26) Hexane	5.208	57	502803	4.903	ppbv #	35
27) Carbon Disulfide	4.121	76	92878	0.700	ppbv #	94
30) Cyclohexane	6.603	84	44615	0.562	ppbv #	85
34) 2-Butanone	4.784	43	685814	4.925	ppbv	99
36) Benzene	6.372	78	622938	2.957	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	595943	1.693	ppbv #	67
50) 4-Methyl-2-Pentanone	8.208	43	43180m	0.205	ppbv	
52) Tetrachloroethene	10.613	164	3893m	0.059	ppbv	
53) Toluene	9.227	91	1885398	8.441	ppbv	100
58) Ethyl Benzene	12.102	91	610891	1.993	ppbv	100
59) m/p-Xylene	12.356	91	1729037	6.135	ppbv	96
60) o-Xylene	13.069	91	517483	1.913	ppbv	100
73) 1,3,5-Trimethylbenzene	15.368	105	35668m	0.129	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	140880	0.447	ppbv #	63
75) 1,3-Dichlorobenzene	16.346	146	29222	0.169	ppbv	80

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

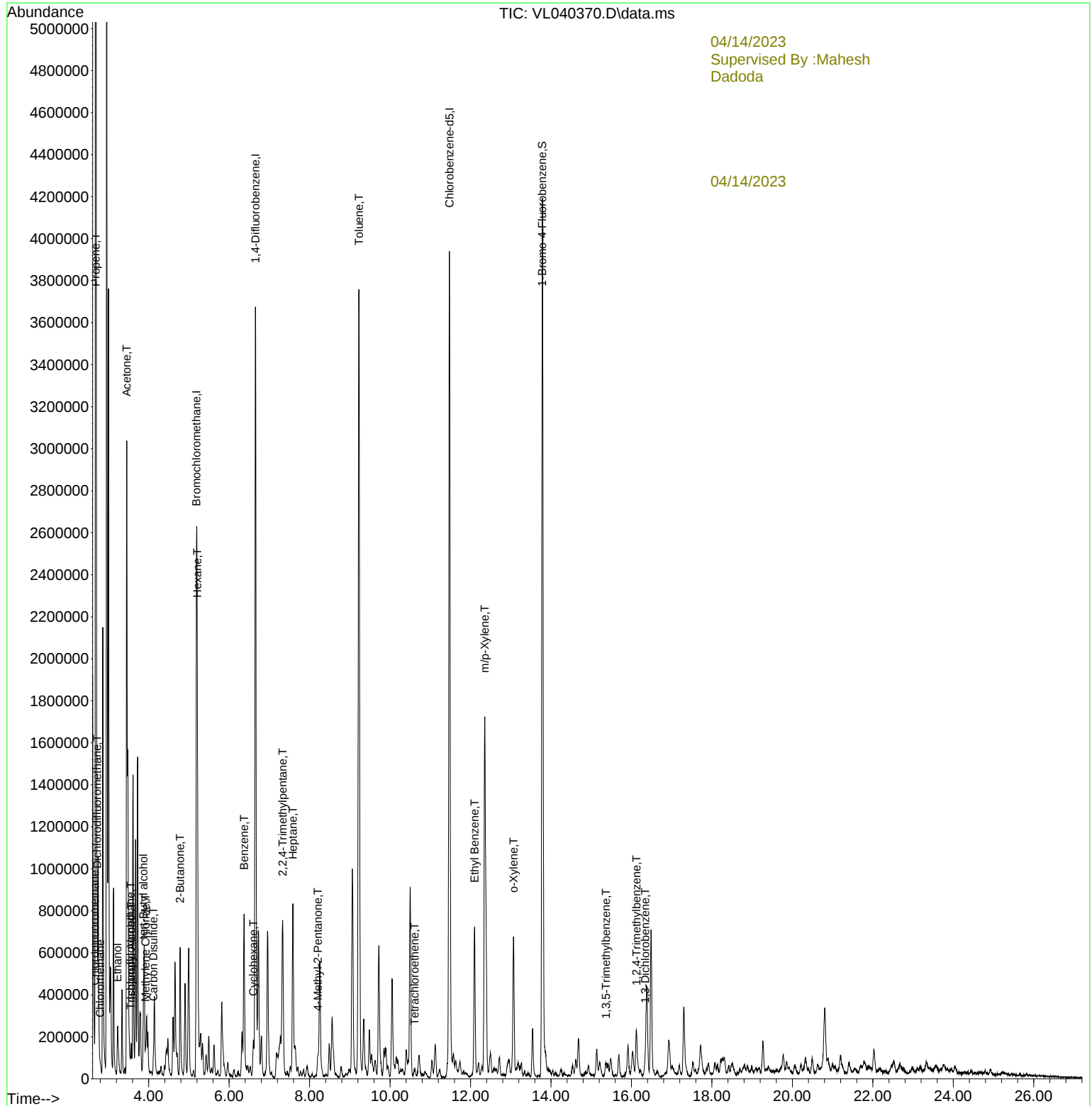
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
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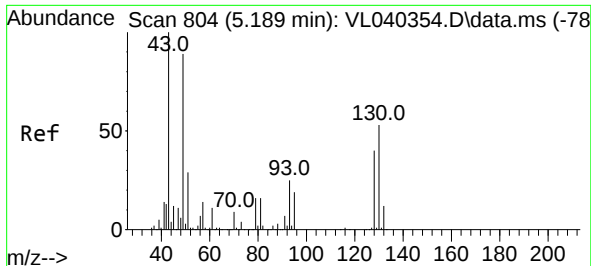
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412

Quant Time: Apr 14 09:27:58 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

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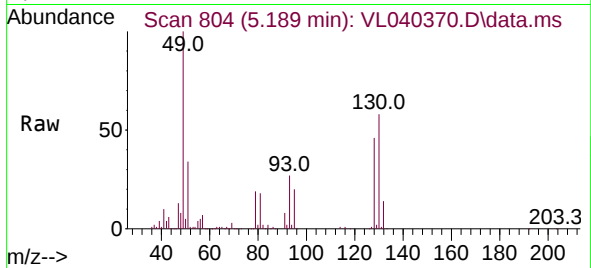
Reviewed By : Semsettin Yesilyurt 04/14/2023
Supervised By : Mahesh Dadoda 04/14/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

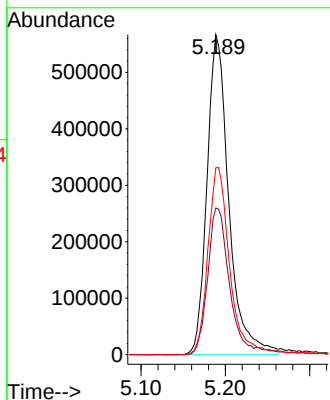
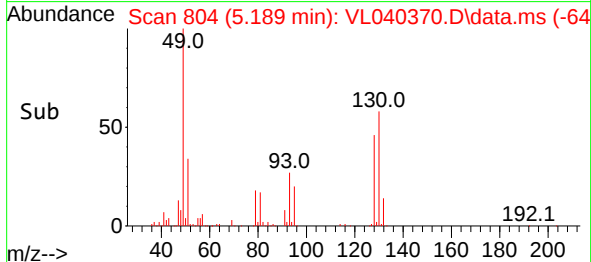
Instrument :
MSVOA_L
Client Sample Id :
SV-19-20230412



Tgt Ion: 49 Resp: 102076
Ion Ratio Lower Upper
49 100
128 47.4 23.7 71.1
130 59.6 29.9 89.8

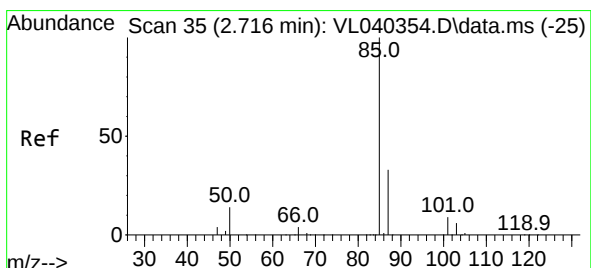
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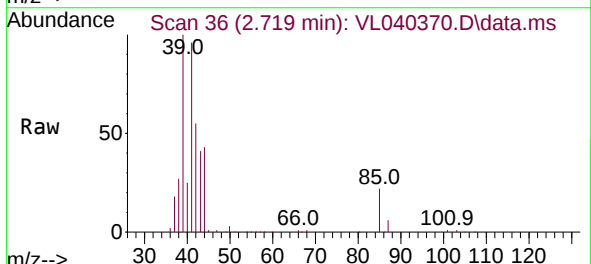


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Dadoda

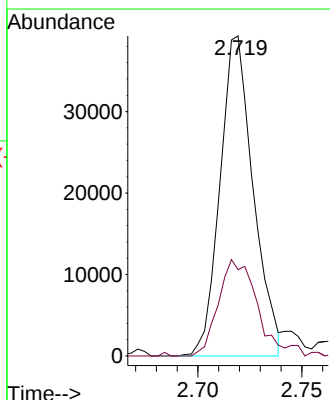
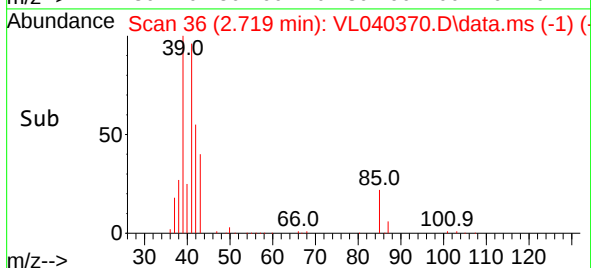
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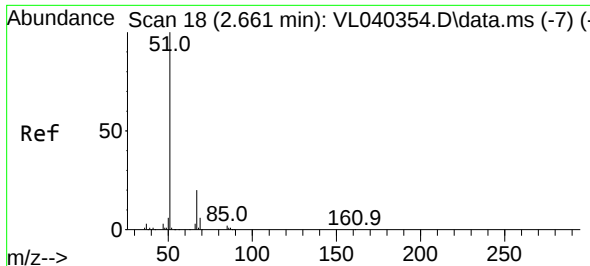


#2
Dichlorodifluoromethane
Concen: 0.238 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06



Tgt Ion: 85 Resp: 43731
Ion Ratio Lower Upper
85 100
87 27.0 26.6 40.0





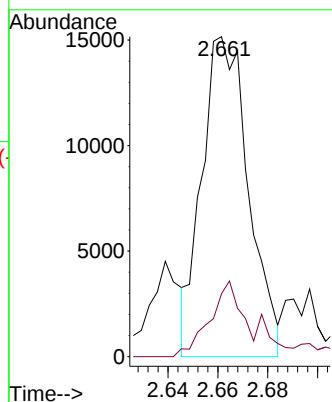
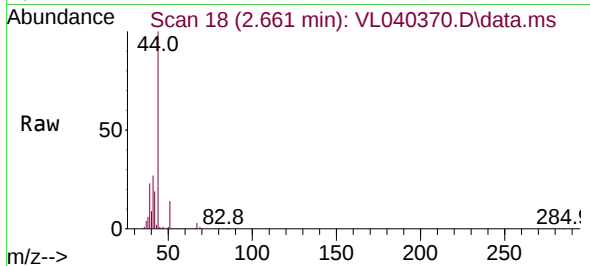
#3
Chlorodifluoromethane
Concen: 0.148 ppbv m
RT: 2.661 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

Instrument :
MSVOA_L
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Tgt Ion: 51 Resp: 19679
Ion Ratio Lower Upper
51 100
67 25.3 15.5 23.3

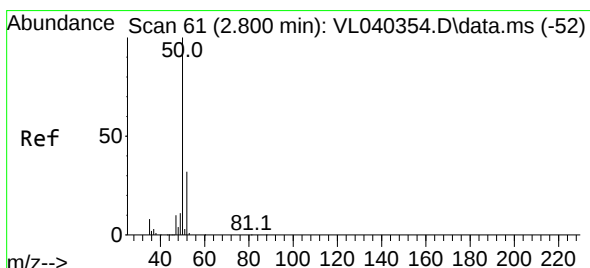
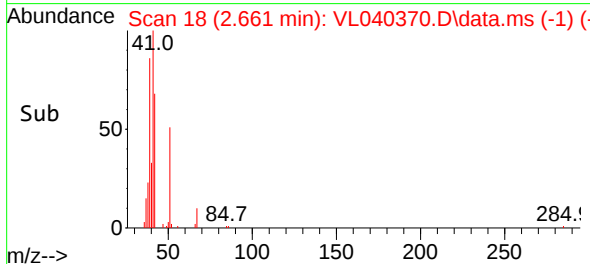
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Supervised By :Mahesh Dadoda 04/14/2023



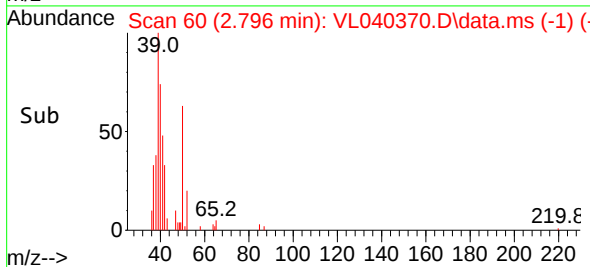
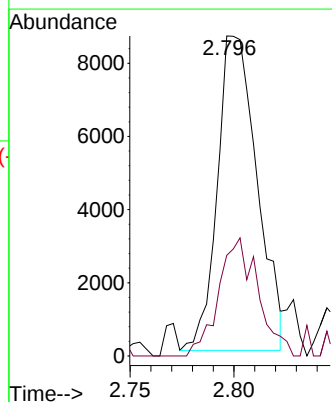
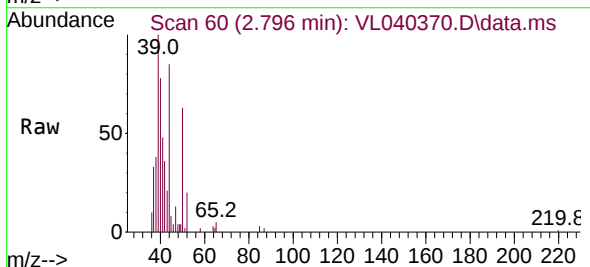
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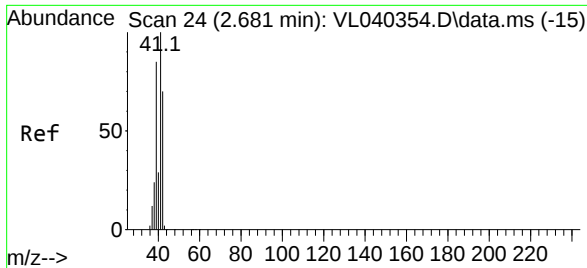
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#4
Chloromethane
Concen: 0.136 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

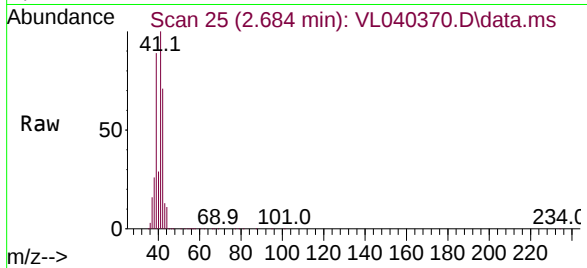
Tgt Ion: 50 Resp: 11453
Ion Ratio Lower Upper
50 100
52 32.9 25.3 37.9





#9
 Propene
 Concen: 79.599 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040370.D
 Acq: 13 Apr 2023 23:06

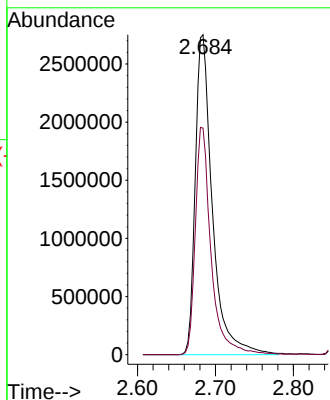
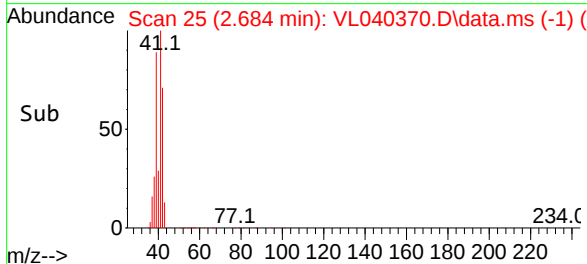
Instrument :
 MSVOA_L
 ClientSampleId :
 SV-19-20230412



Tgt Ion: 41 Resp: 419452
 Ion Ratio Lower Upper
 41 100
 42 65.7 56.5 84.7

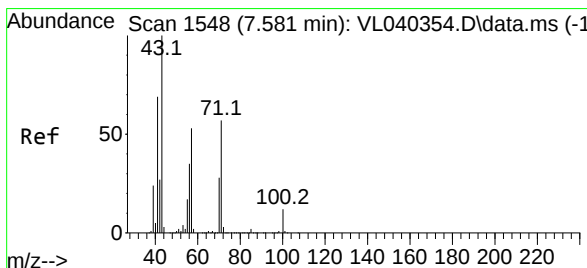
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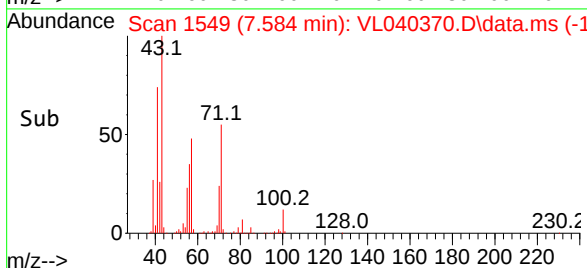
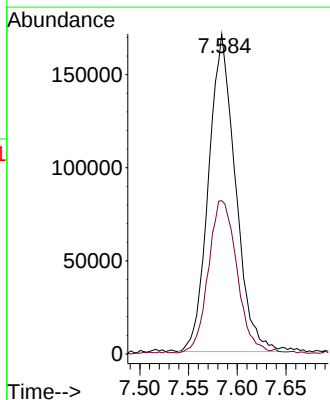
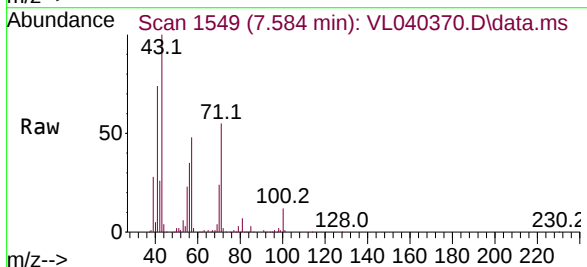
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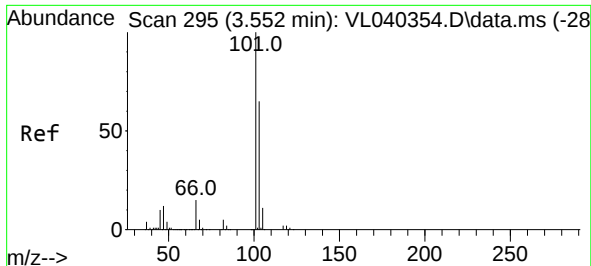
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#10
 Heptane
 Concen: 2.727 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. 0.003 min
 Lab File: VL040370.D
 Acq: 13 Apr 2023 23:06

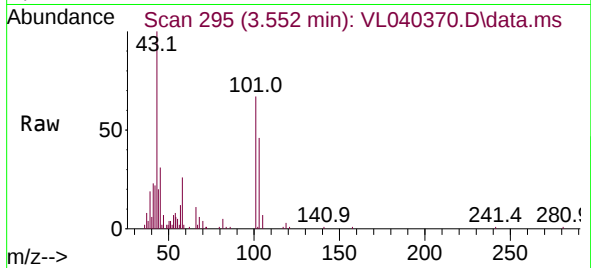
Tgt Ion: 43 Resp: 326530
 Ion Ratio Lower Upper
 43 100
 57 53.0 42.2 63.4





#11
Trichlorofluoromethane
Concen: 0.123 ppbv
RT: 3.552 min Scan# 295
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

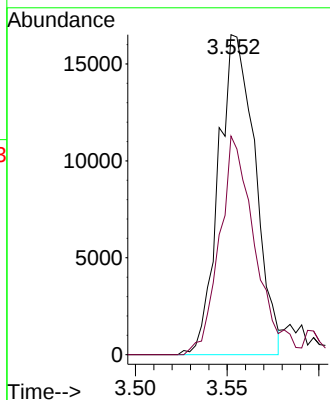
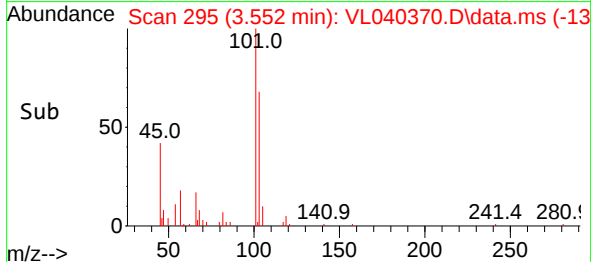
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 101 Resp: 22894
Ion Ratio Lower Upper
101 100
103 68.3 52.2 78.4

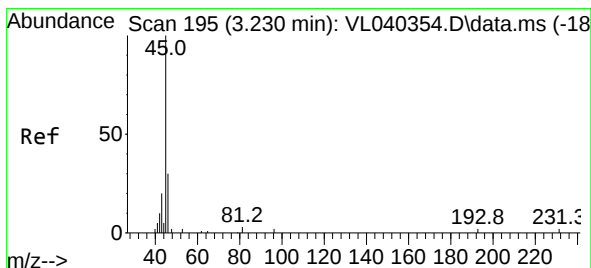
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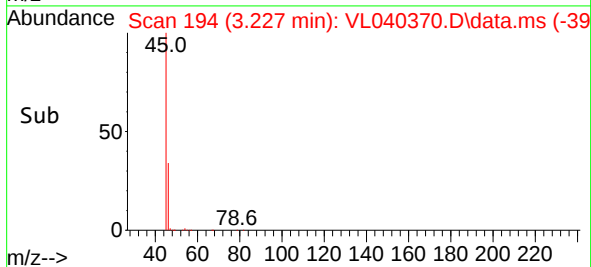
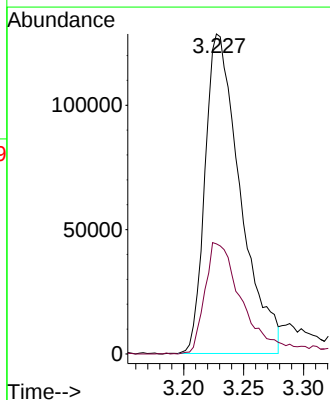
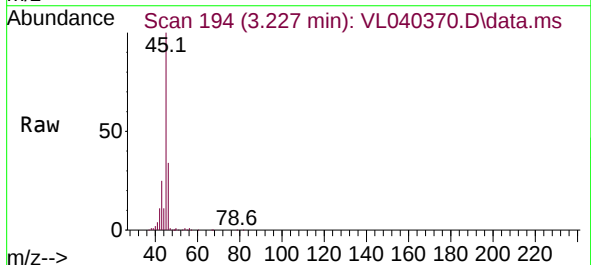
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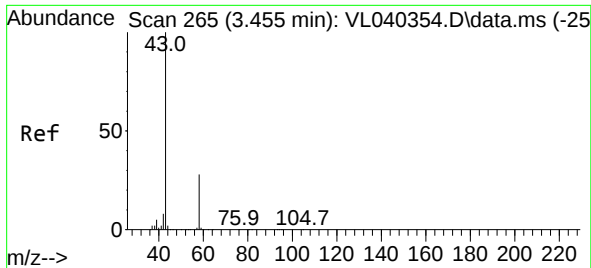
04/14/2023



#13
Ethanol
Concen: 59.686 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

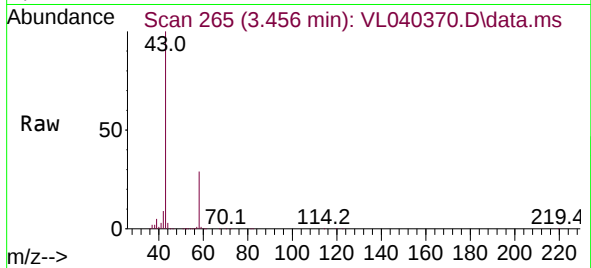
Tgt Ion: 45 Resp: 262564
Ion Ratio Lower Upper
45 100
46 40.0 15.3 61.3





#15
Acetone
Concen: 22.813 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

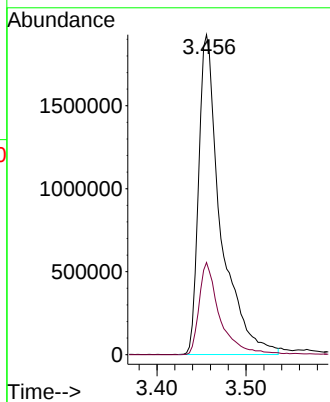
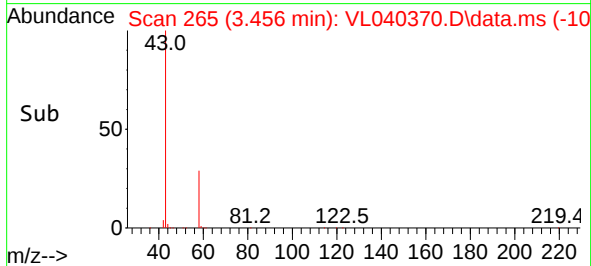
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 43 Resp: 329819
Ion Ratio Lower Upper
43 100
58 27.9 22.2 33.2

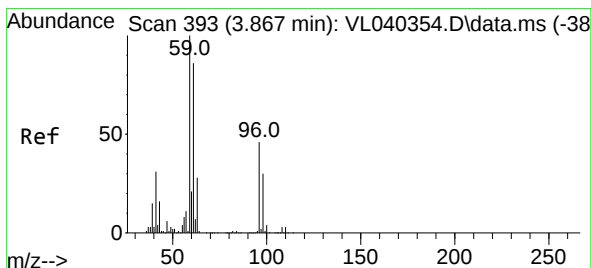
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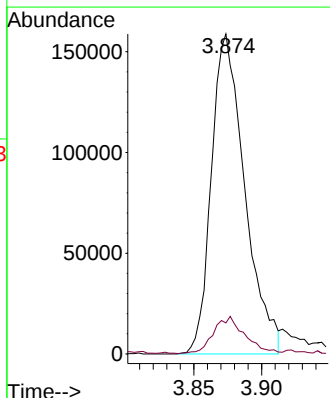
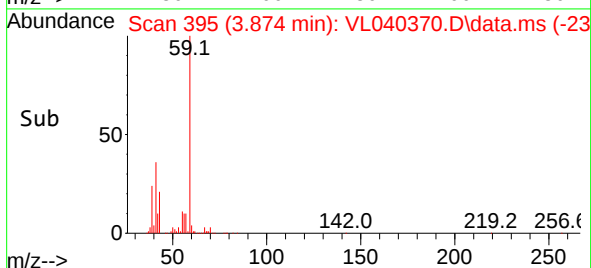
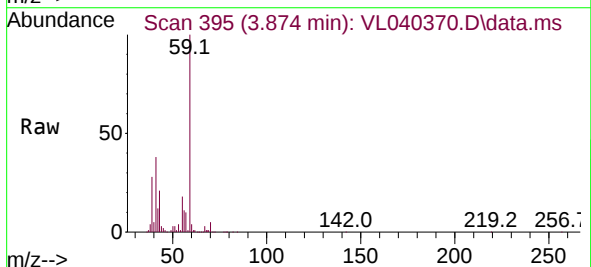
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Dadoda

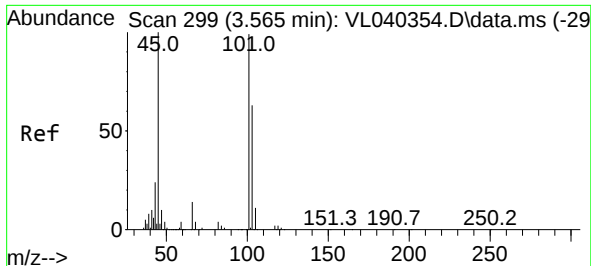
04/14/2023



#17
tert-Butyl alcohol
Concen: 2.048 ppbv
RT: 3.874 min Scan# 395
Delta R.T. 0.007 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

Tgt Ion: 59 Resp: 271918
Ion Ratio Lower Upper
59 100
57 12.3 8.5 12.7





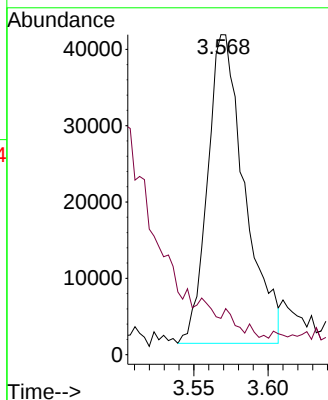
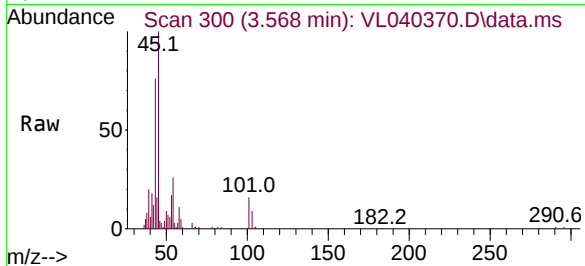
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Isopropyl Alcohol
Concen: 1.069 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412

Tgt Ion: 45 Resp: 70540
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0

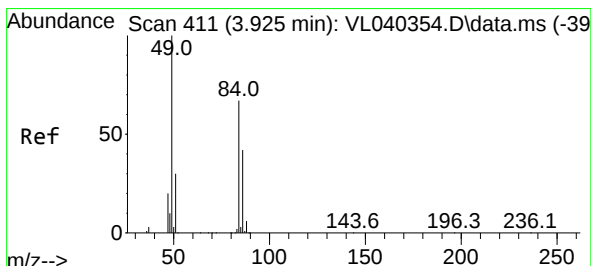
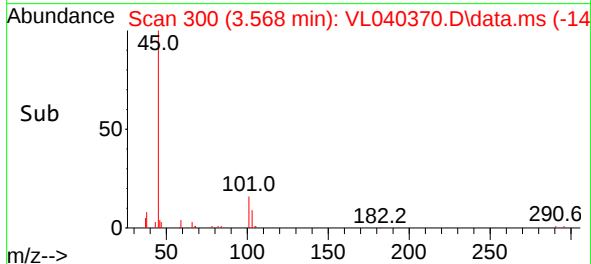
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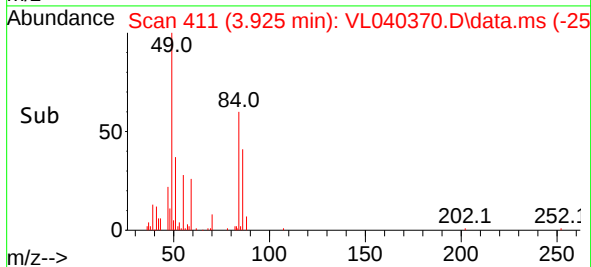
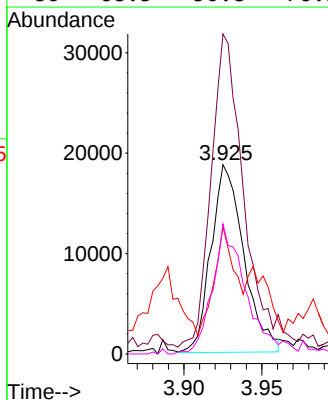
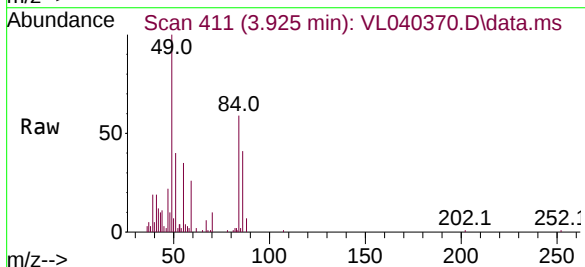
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Dadoda

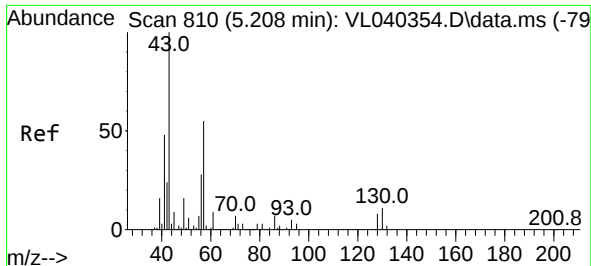
04/14/2023



#20
Methylene Chloride
Concen: 0.474 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

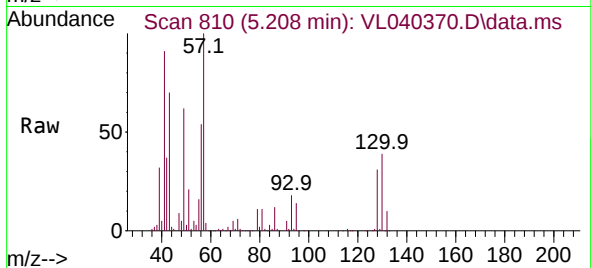
Tgt Ion: 84 Resp: 27361
Ion Ratio Lower Upper
84 100
49 167.3 120.1 180.1
51 50.1 36.3 54.5
86 68.5 50.8 76.2





#26
Hexane
Concen: 4.903 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

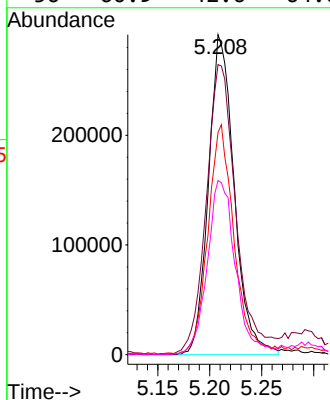
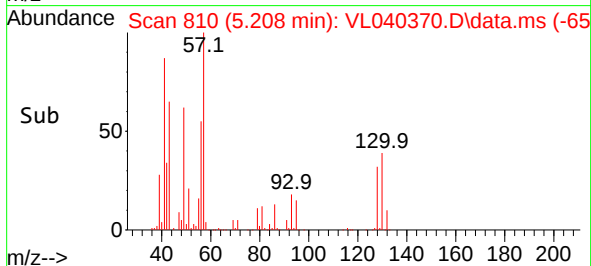
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 57 Resp: 50280
Ion Ratio Lower Upper
57 100
41 106.5 74.8 112.2
43 76.4 192.7 289.1
56 60.9 42.6 64.0

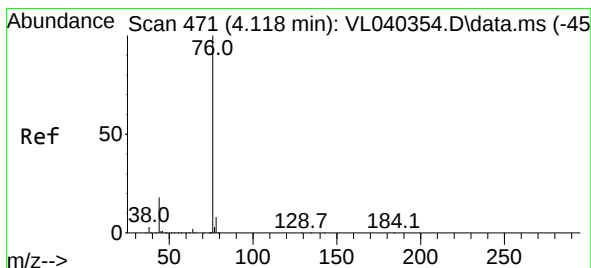
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Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



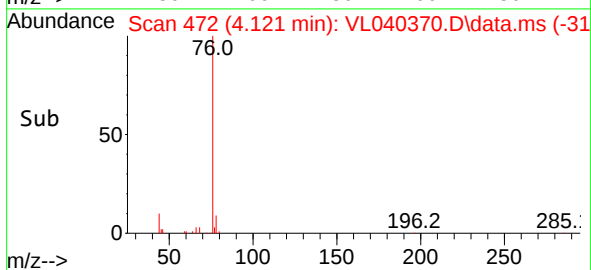
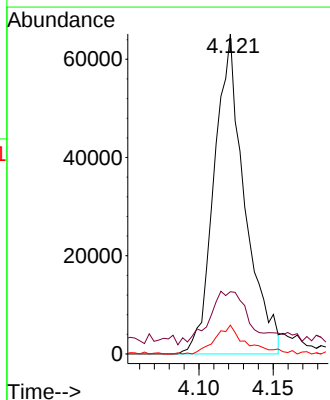
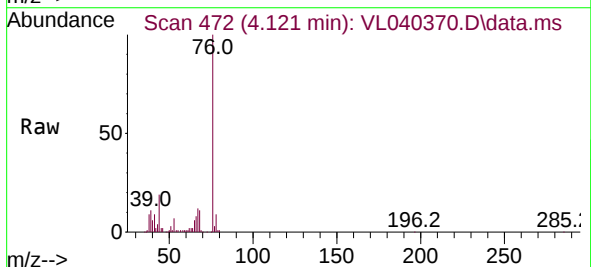
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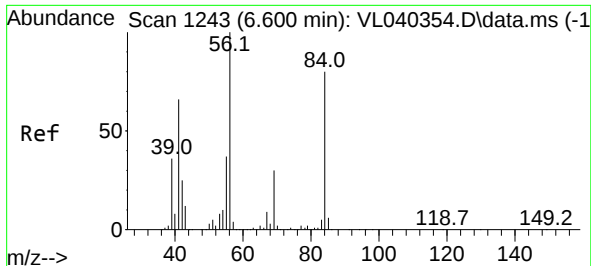
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#27
Carbon Disulfide
Concen: 0.700 ppbv
RT: 4.121 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

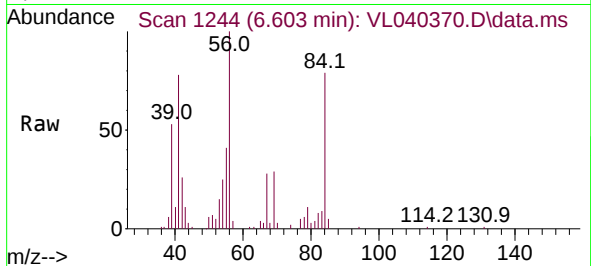
Tgt Ion: 76 Resp: 92878
Ion Ratio Lower Upper
76 100
44 22.6 14.7 22.1#
78 9.5 7.7 11.5





#30
Cyclohexane
Concen: 0.562 ppbv
RT: 6.603 min Scan# 1243
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

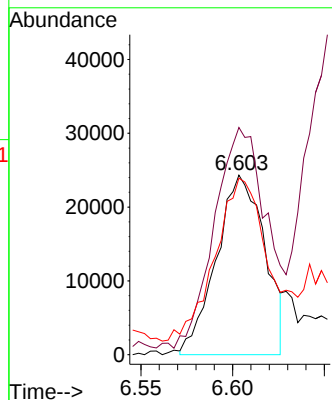
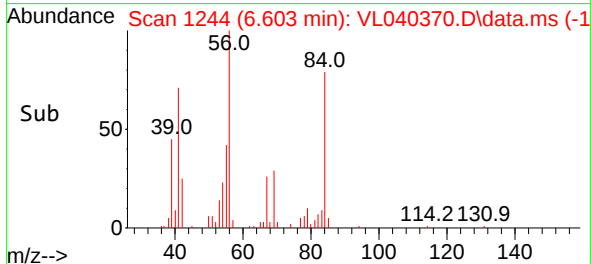
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 84 Resp: 4461
Ion Ratio Lower Upper
84 100
56 139.3 107.0 160.6
41 111.4 66.7 100.1

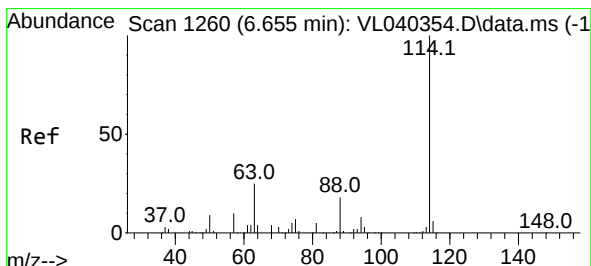
Manual Integrations
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Supervised By :Mahesh Dadoda 04/14/2023



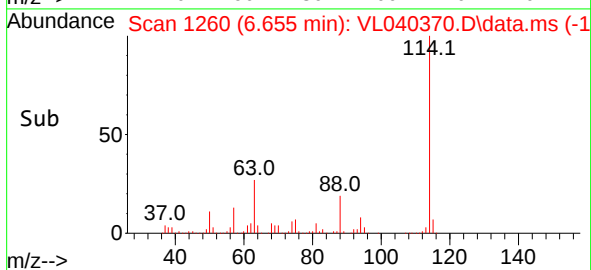
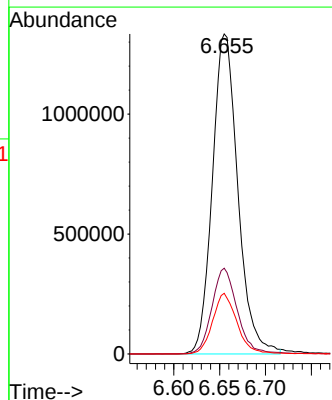
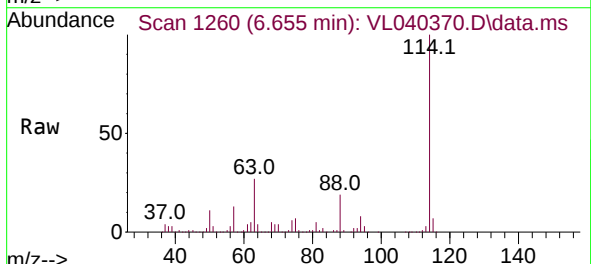
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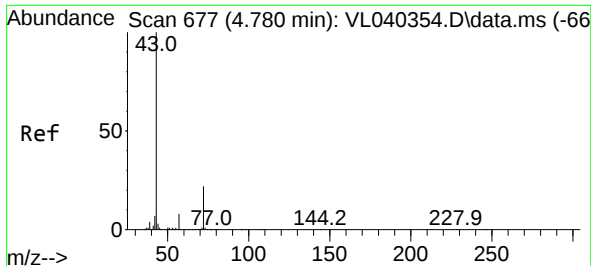
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

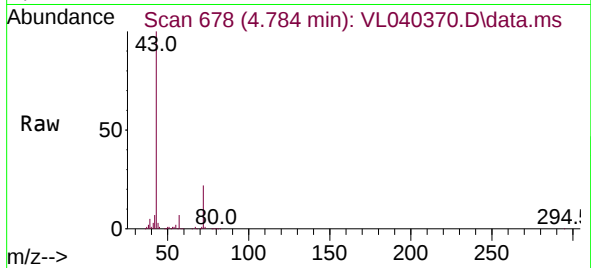
Tgt Ion:114 Resp: 2582284
Ion Ratio Lower Upper
114 100
63 26.9 21.4 32.0
88 18.2 14.6 22.0





#34
2-Butanone
Concen: 4.925 ppbv
RT: 4.784 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

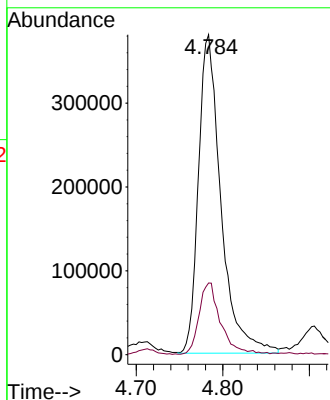
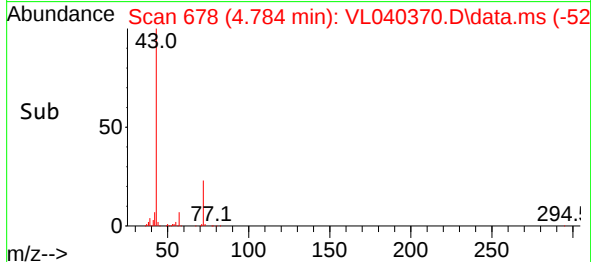
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 43 Resp: 685814
Ion Ratio Lower Upper
43 100
72 22.4 18.4 27.6

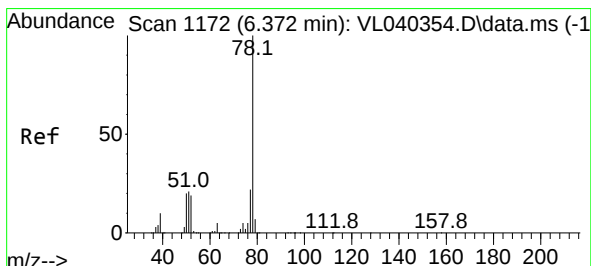
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Supervised By :Mahesh Dadoda 04/14/2023



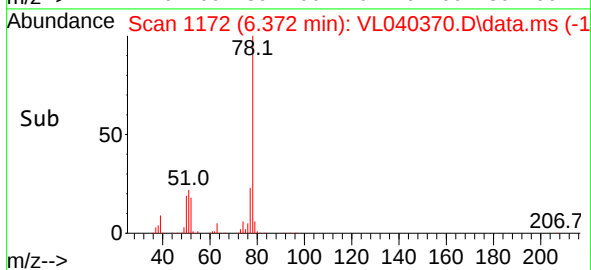
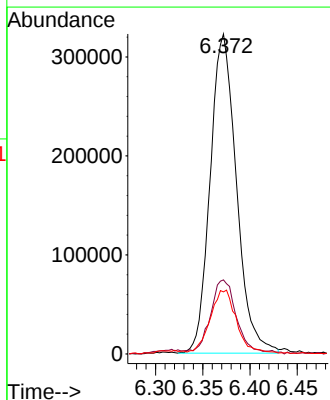
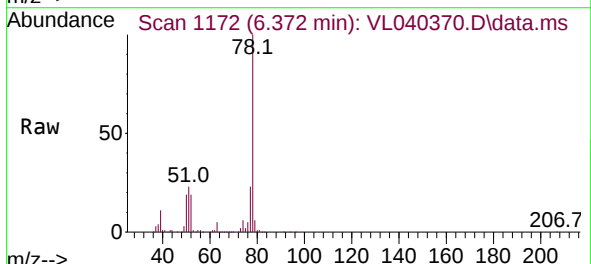
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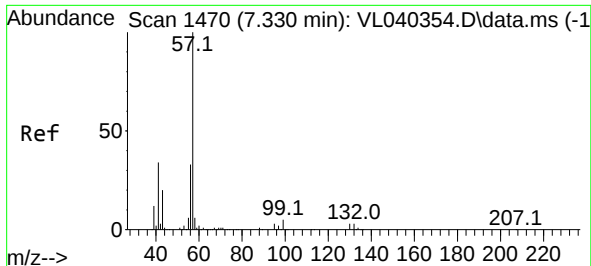
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#36
Benzene
Concen: 2.957 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

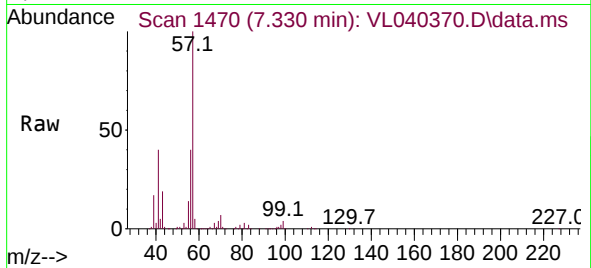
Tgt Ion: 78 Resp: 622938
Ion Ratio Lower Upper
78 100
77 22.6 17.8 26.8
50 19.2 15.6 23.4





#44
2,2,4-Trimethylpentane
Concen: 1.693 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

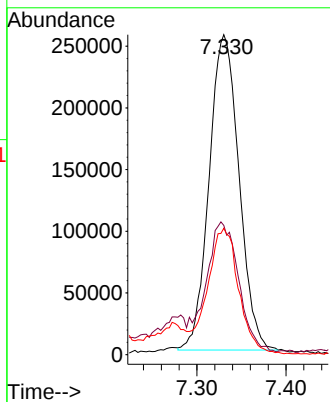
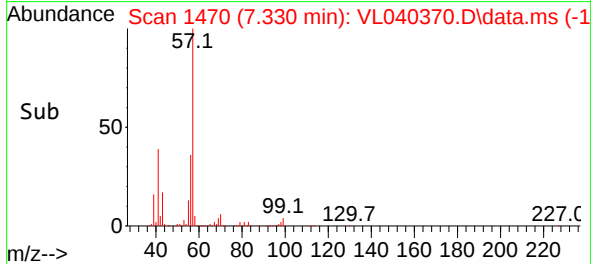
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 57 Resp: 59594
Ion Ratio Lower Upper
57 100
41 60.3 26.9 40.3
56 41.8 25.1 37.7

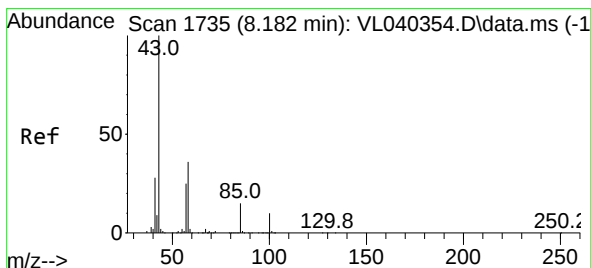
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Supervised By :Mahesh Dadoda 04/14/2023



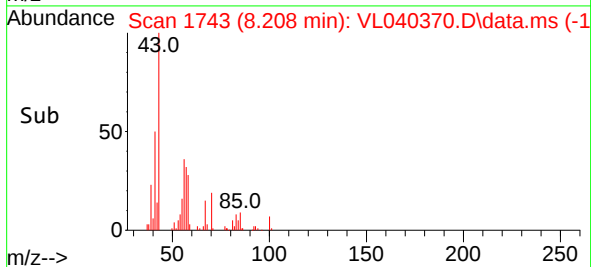
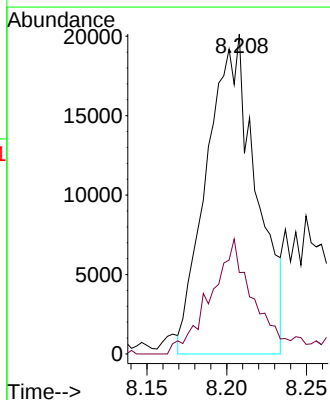
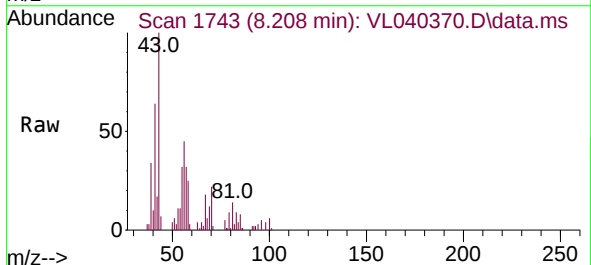
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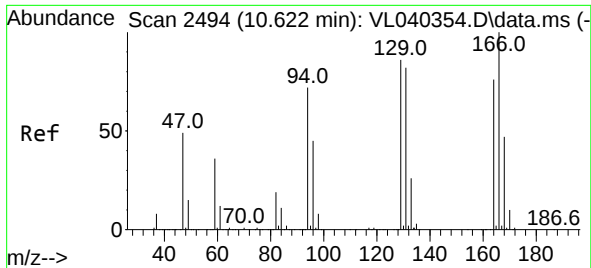
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#50
4-Methyl-2-Pentanone
Concen: 0.205 ppbv m
RT: 8.208 min Scan# 1743
Delta R.T. 0.026 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

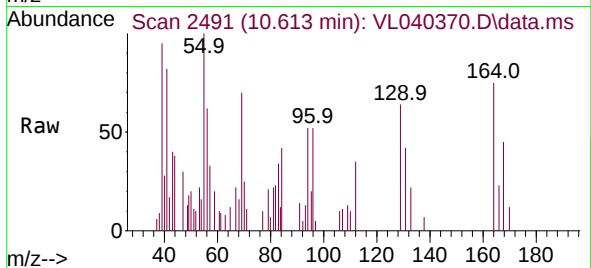
Tgt Ion: 43 Resp: 43180
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#





#52
Tetrachloroethene
Concen: 0.059 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. -0.010 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

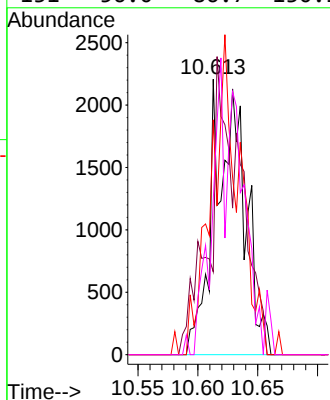
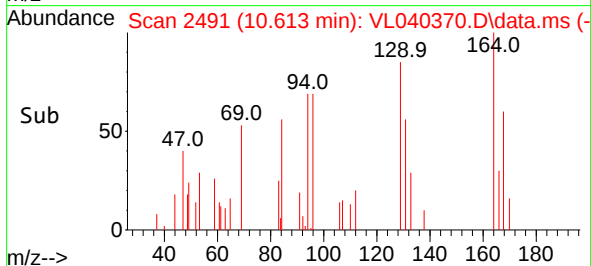
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion:164 Resp: 389
Ion Ratio Lower Upper
164 100
166 30.1 105.2 157.8
129 85.3 90.3 135.5
131 56.0 86.7 130.1

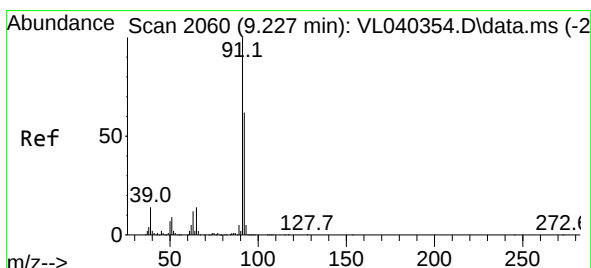
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Supervised By :Mahesh Dadoda 04/14/2023



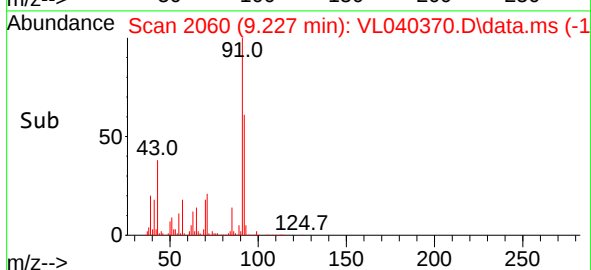
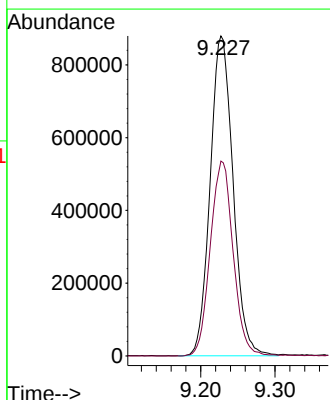
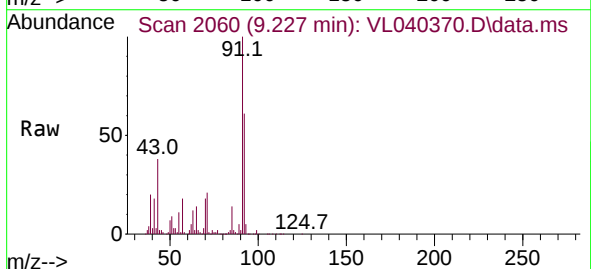
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Dadoda

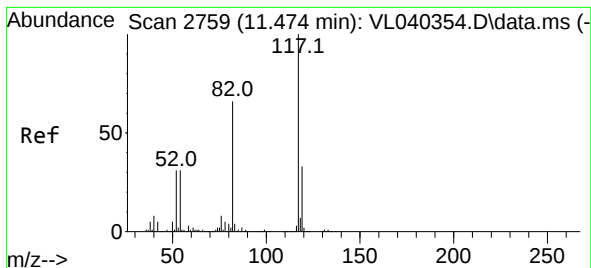
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#53
Toluene
Concen: 8.441 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

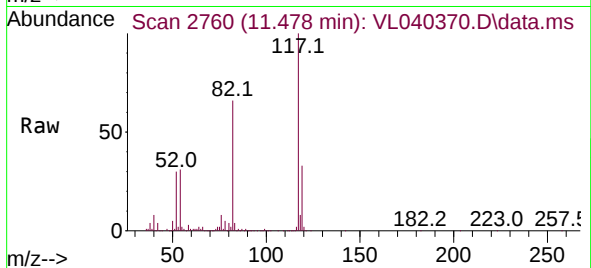
Tgt Ion: 91 Resp: 1885398
Ion Ratio Lower Upper
91 100
92 61.0 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

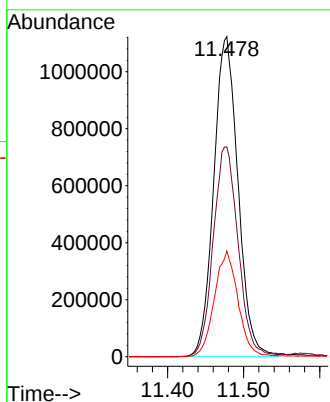
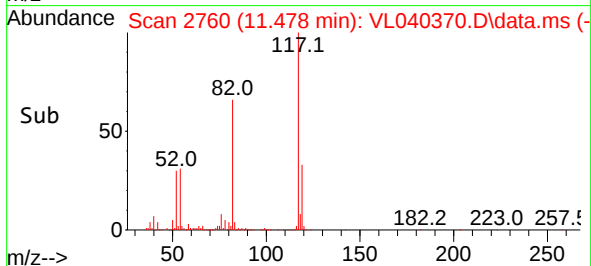
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 117 Resp: 249146
Ion Ratio Lower Upper
117 100
82 67.2 52.5 78.7
119 32.5 24.3 36.5

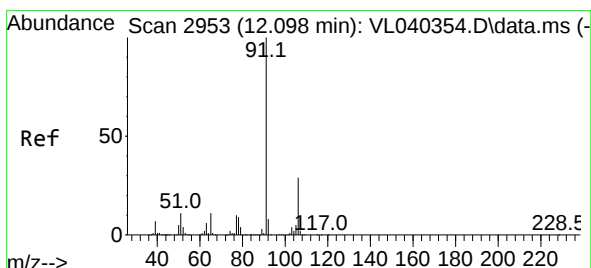
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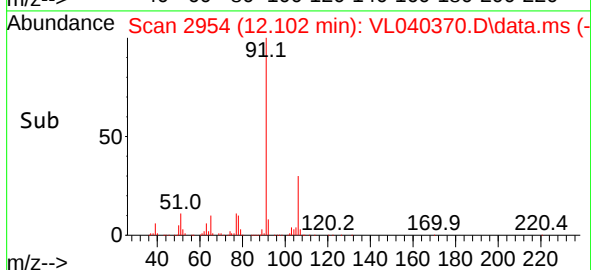
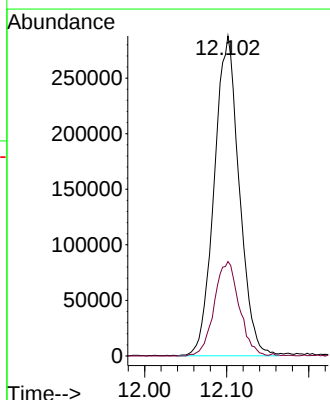
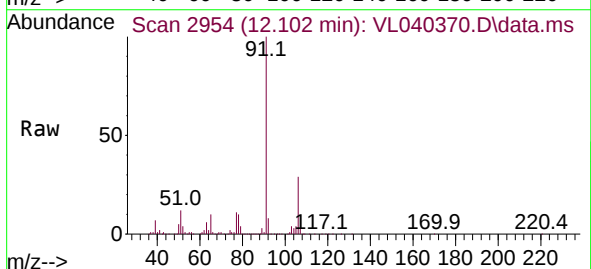
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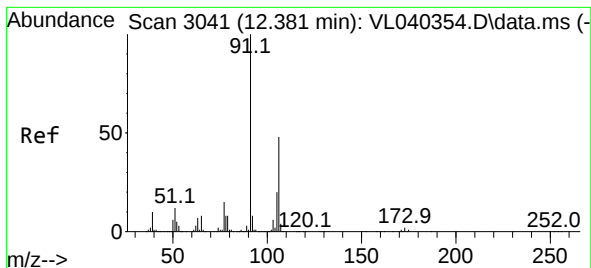
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#58
Ethyl Benzene
Concen: 1.993 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

Tgt Ion: 91 Resp: 610891
Ion Ratio Lower Upper
91 100
106 29.5 23.5 35.3





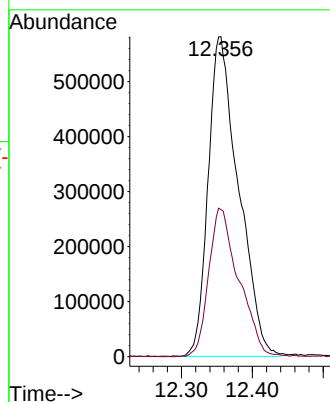
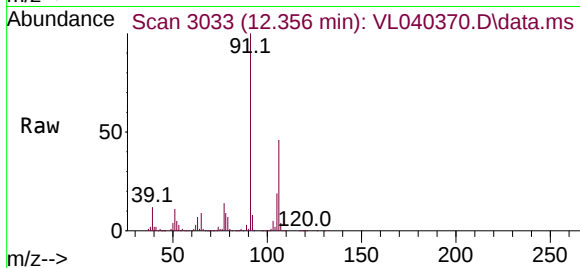
#59
m/p-Xylene
Concen: 6.135 ppbv
RT: 12.356 min Scan# 3041
Delta R.T. -0.026 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412

Tgt Ion: 91 Resp: 172903
Ion Ratio Lower Upper
91 100
106 46.3 34.7 52.1

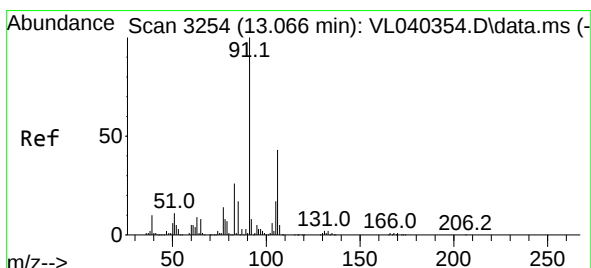
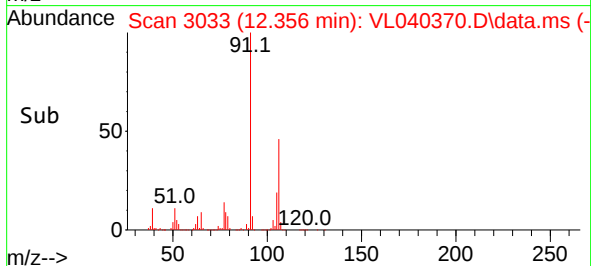
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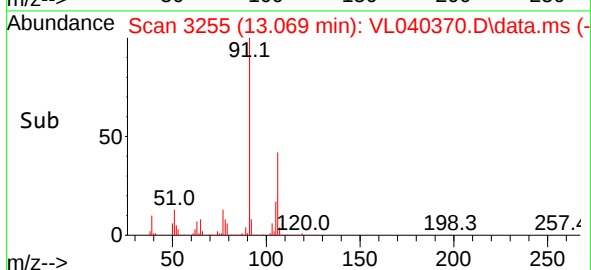
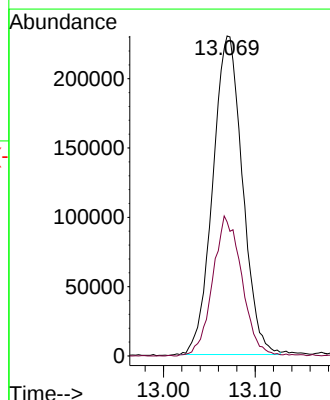
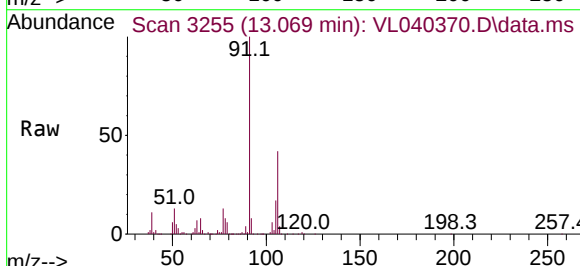
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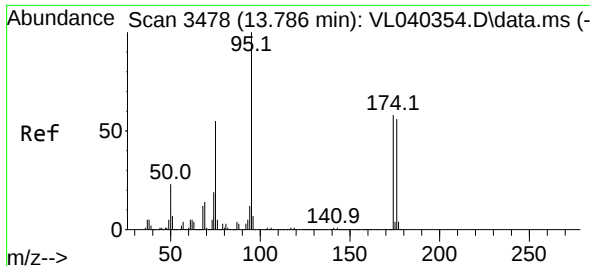
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#60
o-Xylene
Concen: 1.913 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.003 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

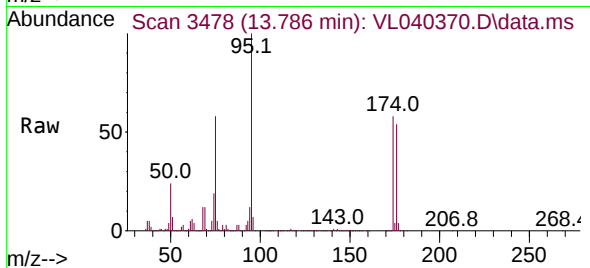
Tgt Ion: 91 Resp: 517483
Ion Ratio Lower Upper
91 100
106 43.6 21.9 65.8





#68
1-Bromo-4-Fluorobenzene
Concen: 10.070 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

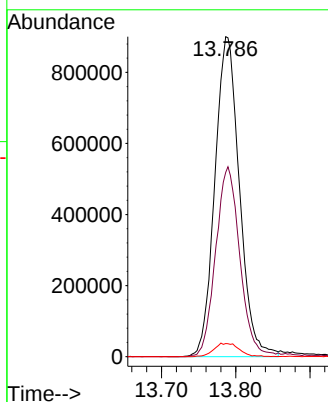
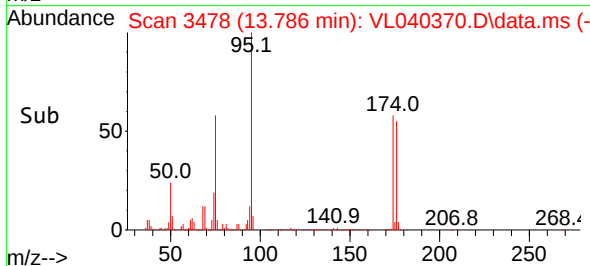
Instrument :
MSVOA_L
ClientSampleId :
SV-19-20230412



Tgt Ion: 95 Resp: 207468
Ion Ratio Lower Upper
95 100
174 59.6 47.2 70.8
175 4.3 3.5 5.3

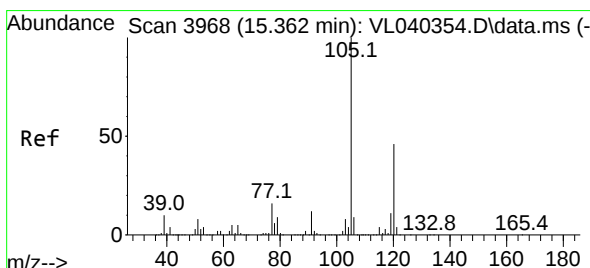
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Supervised By :Mahesh Dadoda 04/14/2023



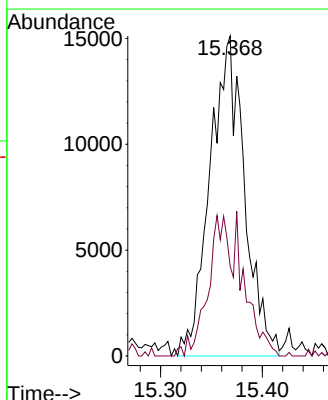
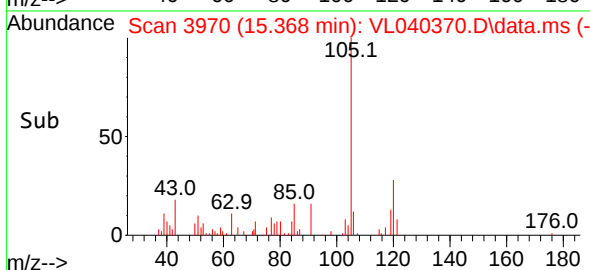
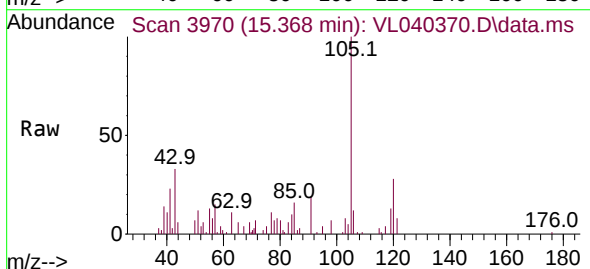
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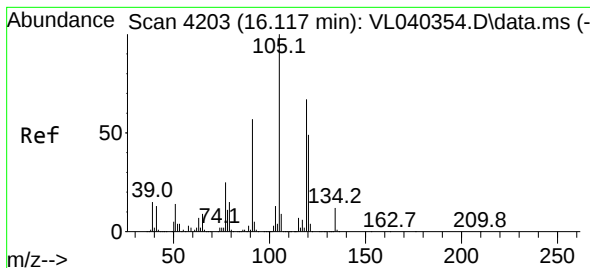
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#73
1,3,5-Trimethylbenzene
Concen: 0.129 ppbv m
RT: 15.368 min Scan# 3970
Delta R.T. 0.007 min
Lab File: VL040370.D
Acq: 13 Apr 2023 23:06

Tgt Ion:105 Resp: 35668
Ion Ratio Lower Upper
105 100
120 27.9 36.9 55.3#





#74

1,2,4-Trimethylbenzene

Concen: 0.447 ppbv

RT: 16.124 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL040370.D

Acq: 13 Apr 2023 23:06

Instrument :

MSVOA_L

ClientSampleId :

SV-19-20230412

Tgt Ion:105 Resp: 140880

Ion Ratio Lower Upper

105 100

120 37.7 38.9 58.3

91 12.6 46.0 69.0

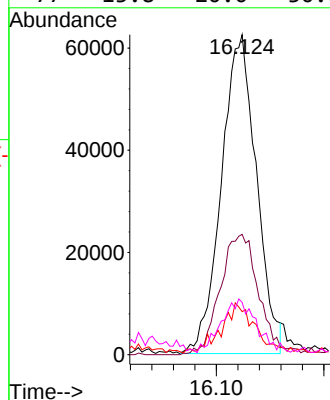
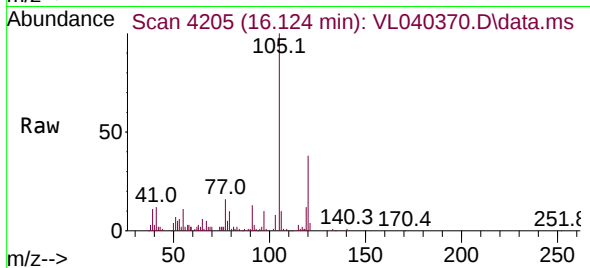
77 13.8 20.0 30.0

Manual Integrations

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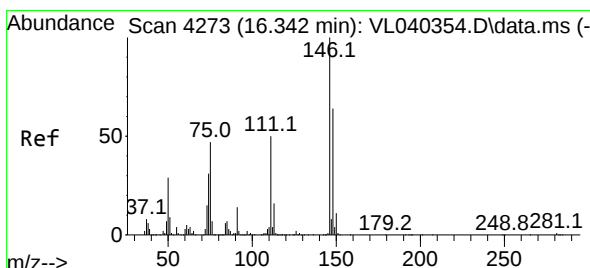
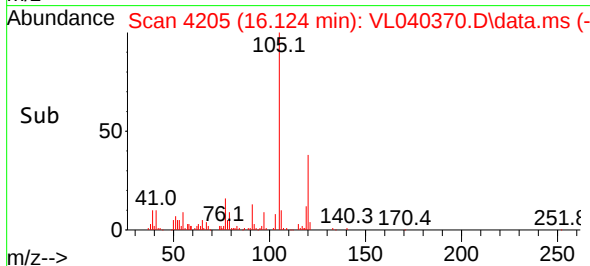
Supervised By :Mahesh Dadoda 04/14/2023



04/14/2023

Supervised By :Mahesh
Dadoda

04/14/2023



#75

1,3-Dichlorobenzene

Concen: 0.169 ppbv

RT: 16.346 min Scan# 4274

Delta R.T. 0.003 min

Lab File: VL040370.D

Acq: 13 Apr 2023 23:06

Tgt Ion:146 Resp: 29222

Ion Ratio Lower Upper

146 100

111 72.0 24.6 74.0

148 71.4 32.1 96.3

