

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039409.D
 Acq On : 29 Jun 2022 23:44
 Operator : SY/AP
 Sample : N3530-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/01/2022
 Supervised By : Mahesh Dadoda 07/01/2022

Quant Time: Jun 30 05:45:32 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022

QLast Update : Thu Jun 30 05:40:11 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.655	49	1042227	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.159	114	2974736	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	2651840	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	2015048	10.243	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.047	85	46305m	0.308	ppbv	
3) Chlorodifluoromethane	2.986	51	114760	0.868	ppbv #	85
4) Chloromethane	3.134	50	40274m	0.557	ppbv	
9) Propene	3.018	41	99646m	1.669	ppbv	
10) Heptane	8.105	43	28510m	0.204	ppbv	
11) Trichlorofluoromethane	3.944	101	39665	0.237	ppbv	98
13) Ethanol	3.590	45	1011906	292.082	ppbv	75
15) Acetone	3.838	43	1186772	9.625	ppbv	97
19) Isopropyl Alcohol	3.960	45	215976	3.284	ppbv #	97
20) Methylene Chloride	4.336	84	90117	1.834	ppbv	91
26) Hexane	5.677	57	125032	1.227	ppbv #	59
29) Chloroform	5.742	83	71132	0.401	ppbv	100
30) Cyclohexane	7.134	84	22293m	0.240	ppbv	
34) 2-Butanone	5.234	43	93929	0.627	ppbv	96
35) Carbon Tetrachloride	7.005	117	13070m	0.071	ppbv	
36) Benzene	6.870	78	81295m	0.353	ppbv	
44) 2,2,4-Trimethylpentane	7.854	57	186376	0.478	ppbv #	87
52) Tetrachloroethene	11.208	164	6417m	0.069	ppbv	
53) Toluene	9.783	91	431885m	1.626	ppbv	
58) Ethyl Benzene	12.690	91	98529	0.288	ppbv	97
59) m/p-Xylene	12.947	91	329800m	1.092	ppbv	
60) o-Xylene	13.674	91	123266	0.431	ppbv	95
65) tert-Butylbenzene	16.744	119	50691m	0.126	ppbv	
72) 4-Ethyltoluene	15.818	105	141080	0.420	ppbv	96
73) 1,3,5-Trimethylbenzene	15.979	105	123429	0.400	ppbv	90
74) 1,2,4-Trimethylbenzene	16.738	105	413615	1.211	ppbv #	70

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

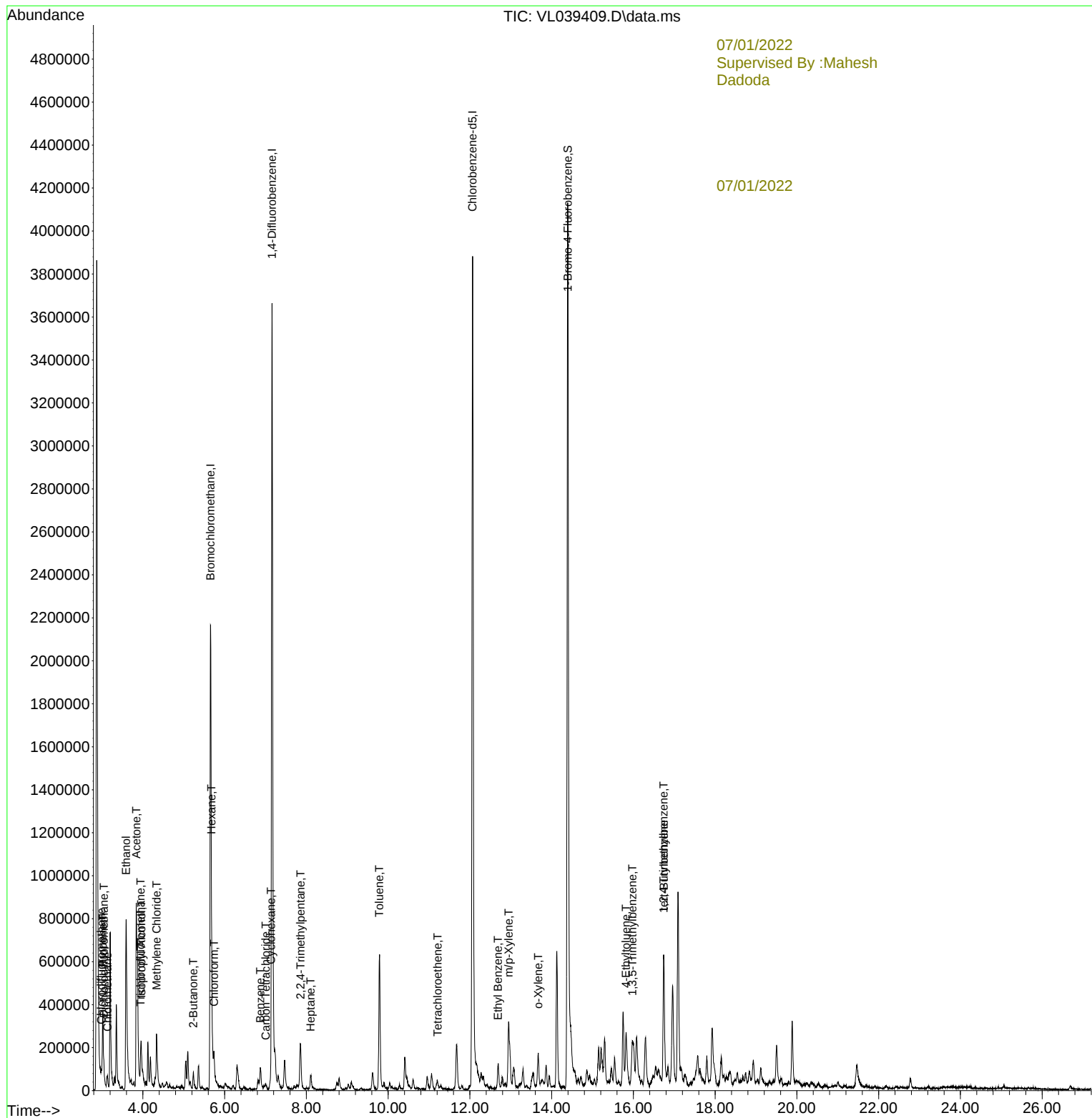
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
Data File : VL039409.D
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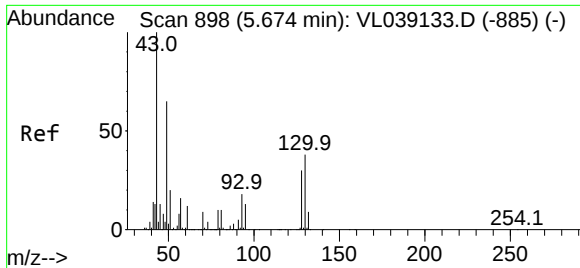
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Jun 30 05:45:32 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jun
QLast Update : Thu Jun 30 05:40:11 2022
Response via : Initial Calibration

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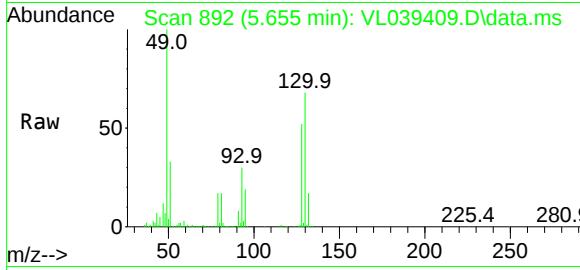
Reviewed By :Semsettin Yesilyurt 07/01/2022
Supervised By :Mahesh Dadoda 07/01/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 89
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

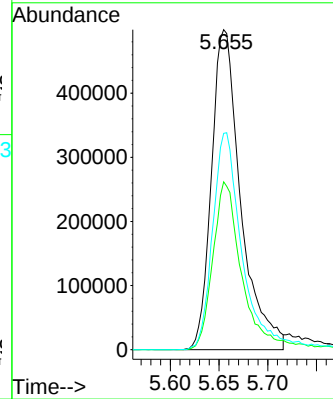
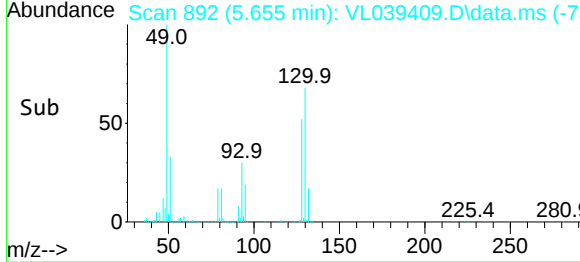
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 49 Resp: 104222
Ion Ratio Lower Upper
49 100
128 53.5 26.7 80.0
130 70.3 34.3 102.8

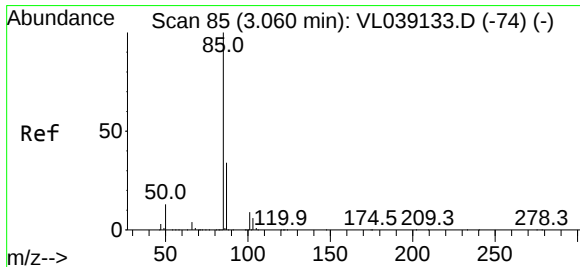
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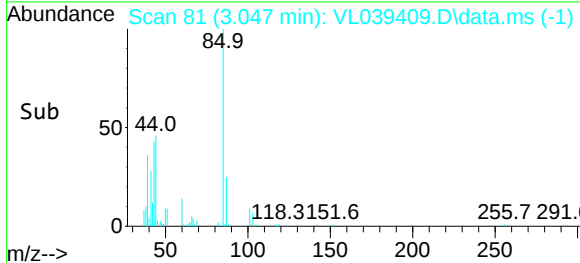
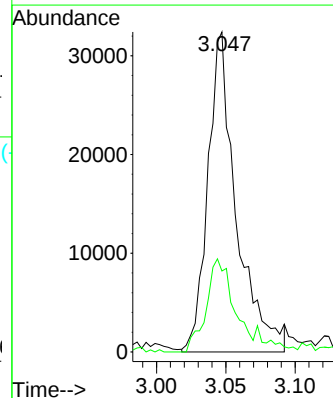
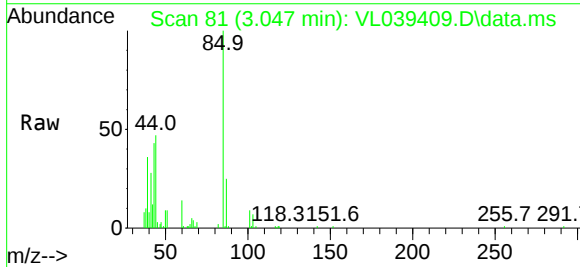
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Dadoda

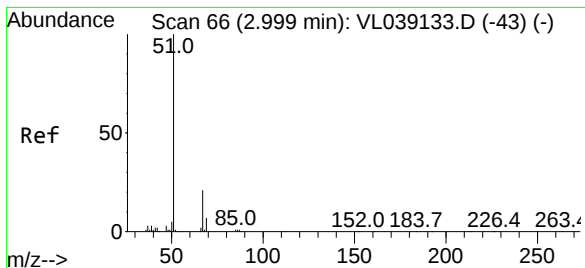
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#2
Dichlorodifluoromethane
Concen: 0.308 ppbv m
RT: 3.047 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

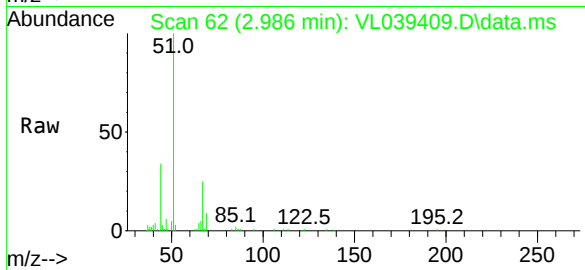
Tgt Ion: 85 Resp: 46305
Ion Ratio Lower Upper
85 100
87 25.3 26.7 40.1#





#3
Chlorodifluoromethane
Concen: 0.868 ppbv
RT: 2.986 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

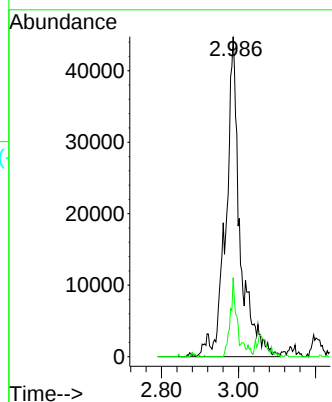
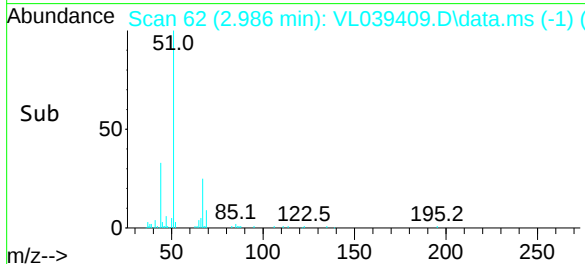
Instrument :
MSVOA_L
Client Sample Id :
IA1DUP



Tgt Ion: 51 Resp: 114760
Ion Ratio Lower Upper
51 100
67 12.8 15.7 23.5

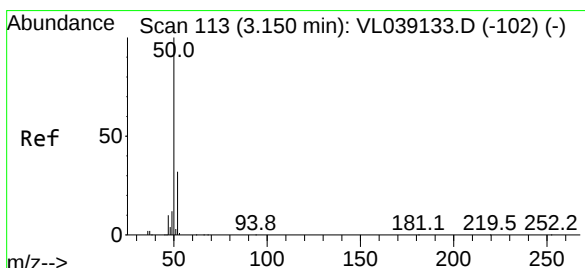
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Supervised By :Mahesh Dadoda 07/01/2022



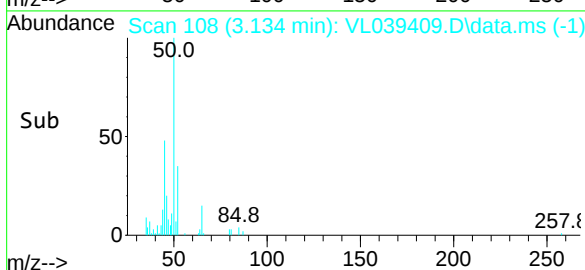
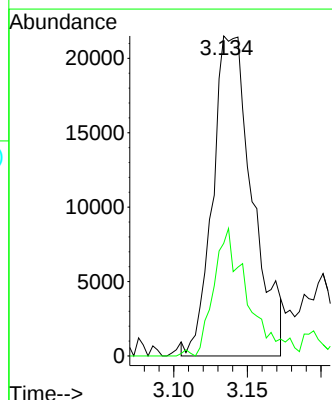
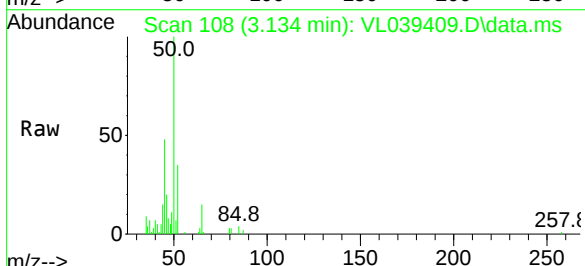
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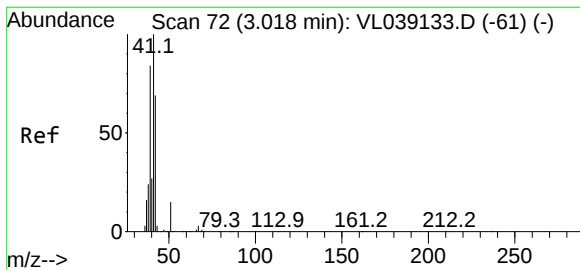
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#4
Chloromethane
Concen: 0.557 ppbv m
RT: 3.134 min Scan# 108
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

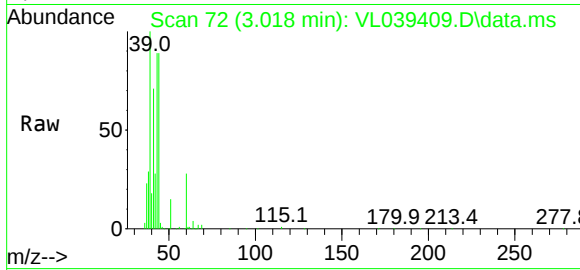
Tgt Ion: 50 Resp: 40274
Ion Ratio Lower Upper
50 100
52 35.2 26.5 39.7





#9
 Propene
 Concen: 1.669 ppbv m
 RT: 3.018 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL039409.D
 Acq: 29 Jun 2022 23:44

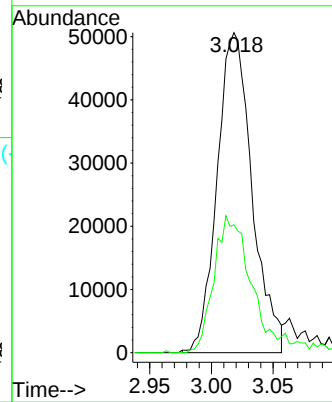
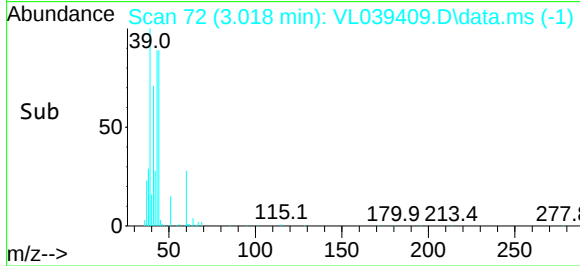
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP



Tgt Ion: 41 Resp: 99640
 Ion Ratio Lower Upper
 41 100
 42 169.8 55.2 82.8

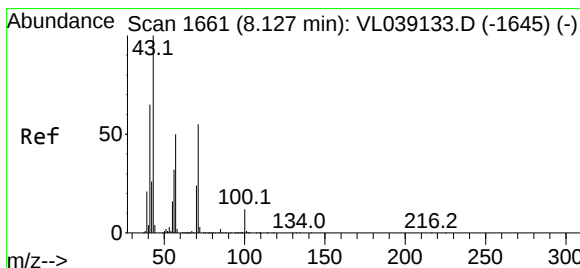
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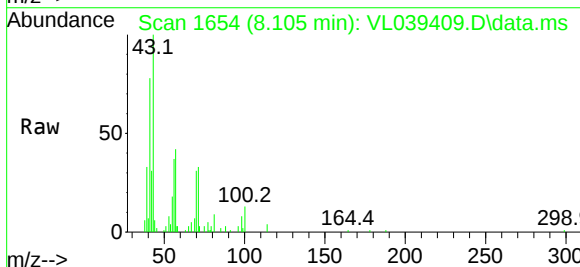


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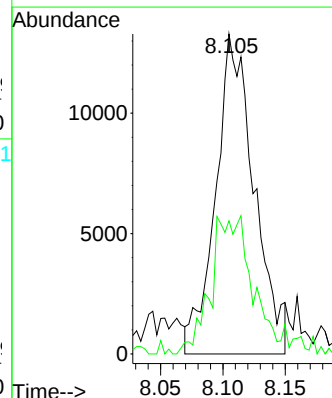
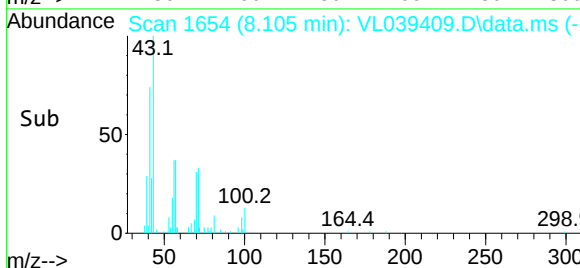
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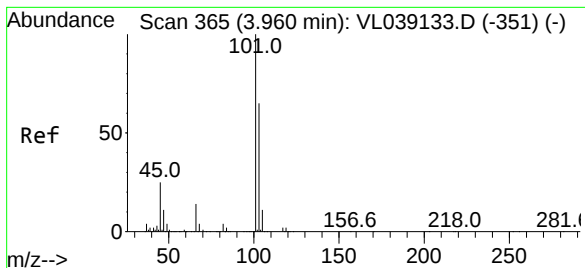


#10
 Heptane
 Concen: 0.204 ppbv m
 RT: 8.105 min Scan# 1654
 Delta R.T. -0.000 min
 Lab File: VL039409.D
 Acq: 29 Jun 2022 23:44



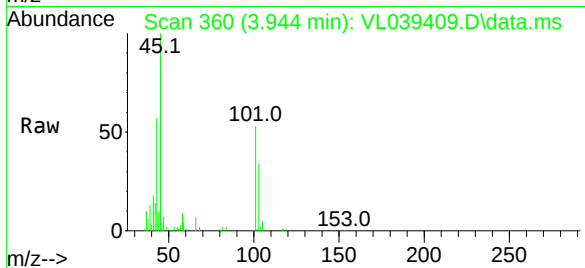
Tgt Ion: 43 Resp: 28510
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.5 60.7





#11
Trichlorofluoromethane
Concen: 0.237 ppbv
RT: 3.944 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

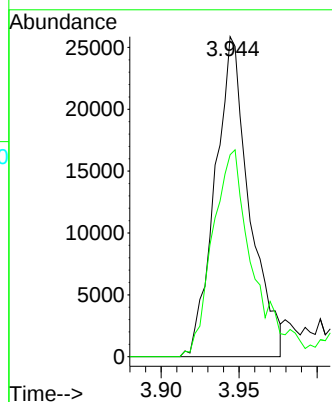
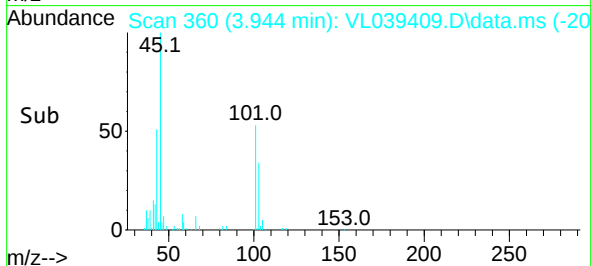
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:101 Resp: 3966
Ion Ratio Lower Upper
101 100
103 63.1 51.8 77.8

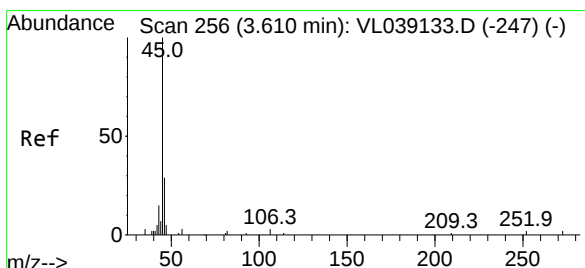
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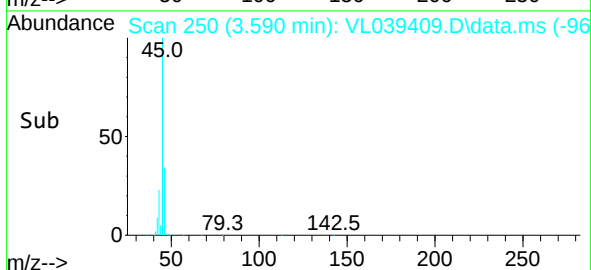
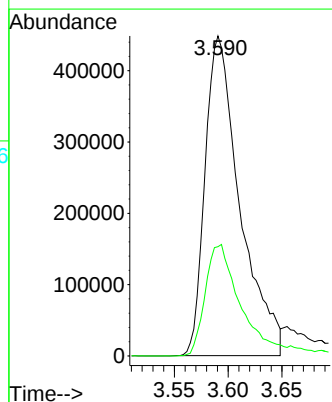
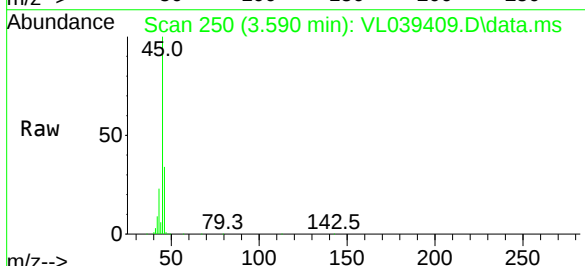
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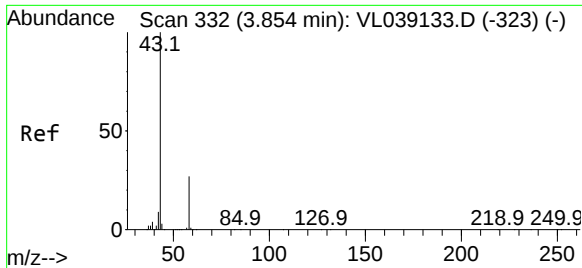
07/01/2022



#13
Ethanol
Concen: 292.082 ppbv
RT: 3.590 min Scan# 250
Delta R.T. -0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

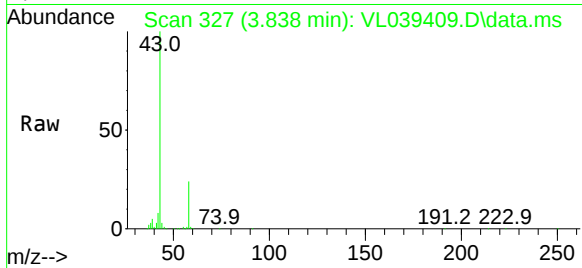
Tgt Ion: 45 Resp: 1011906
Ion Ratio Lower Upper
45 100
46 38.2 22.8 91.2





#15
Acetone
Concen: 9.625 ppbv
RT: 3.838 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

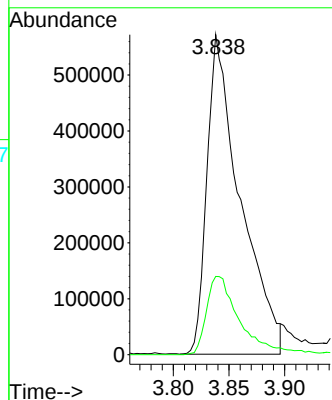
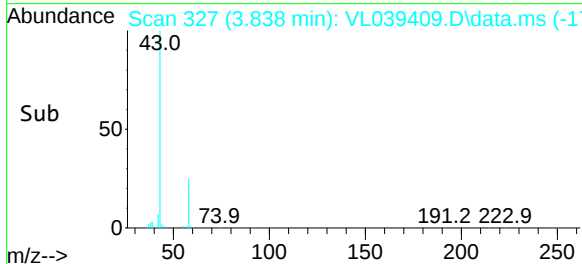
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 43 Resp: 1186772
Ion Ratio Lower Upper
43 100
58 24.8 21.0 31.6

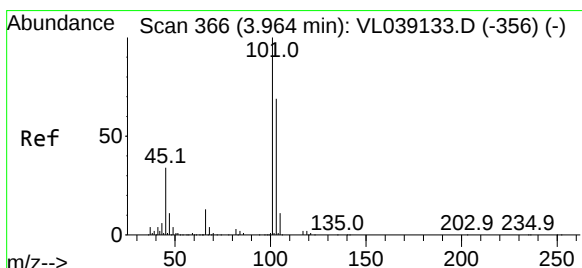
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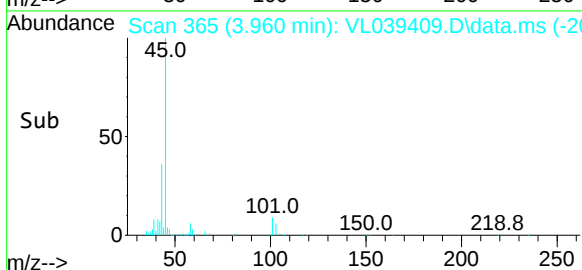
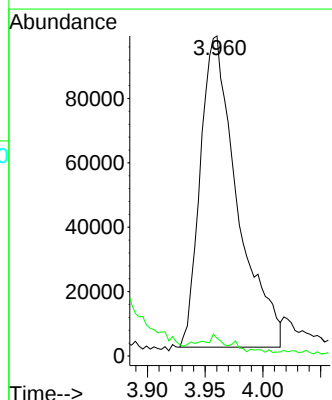
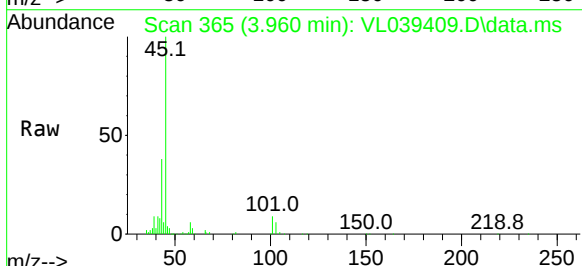
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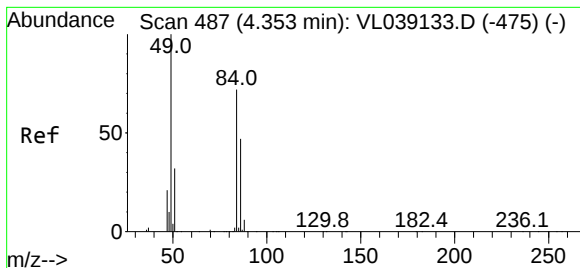
07/01/2022



#19
Isopropyl Alcohol
Concen: 3.284 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.013 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

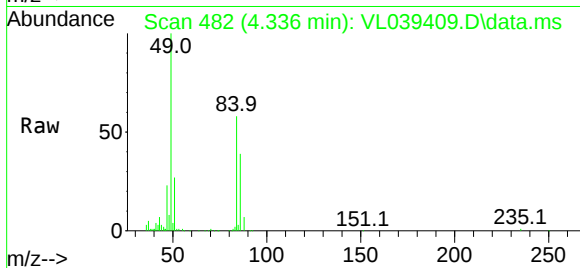
Tgt Ion: 45 Resp: 215976
Ion Ratio Lower Upper
45 100
58 5.1 3.2 4.8#





#20
Methylene Chloride
Concen: 1.834 ppbv
RT: 4.336 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

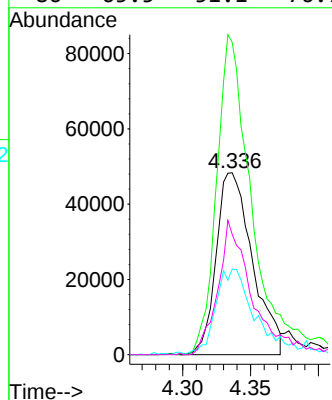
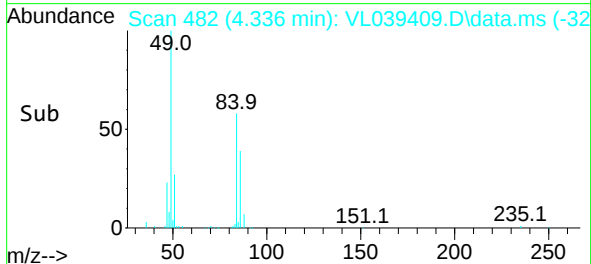
Instrument :
MSVOA_L
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IA1DUP



Tgt Ion:	84	Resp:	9011
Ion	Ratio	Lower	Upper
84	100		
49	171.3	123.1	184.7
51	45.7	34.4	51.6
86	65.5	51.1	76.7

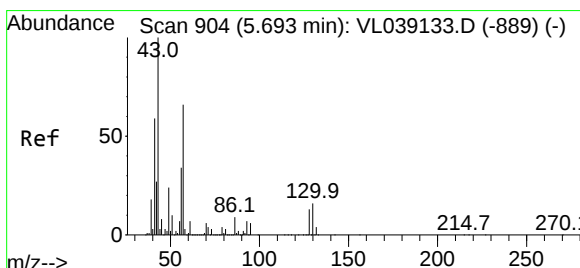
Manual Integrations
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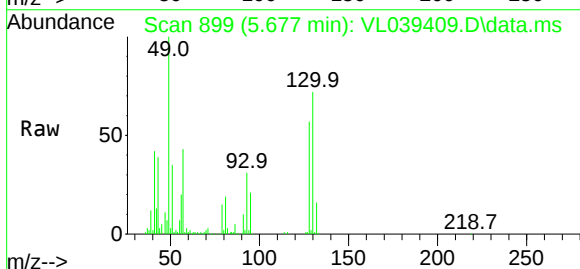


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Dadoda

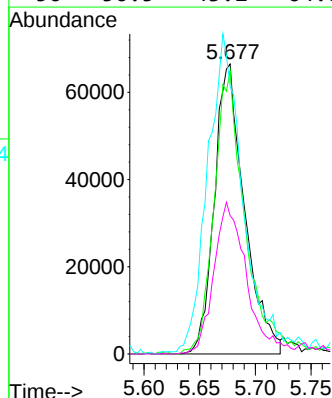
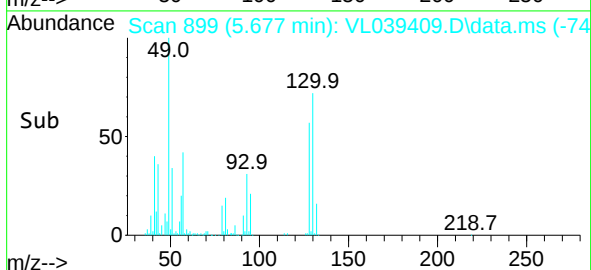
07/01/2022

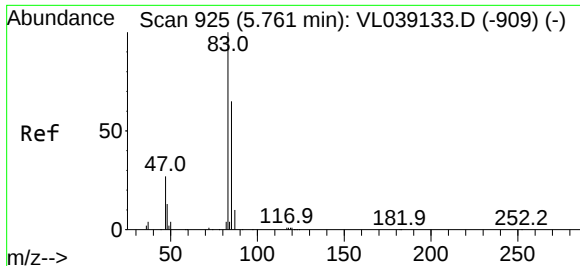


#26
Hexane
Concen: 1.227 ppbv
RT: 5.677 min Scan# 899
Delta R.T. 0.006 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44



Tgt Ion:	57	Resp:	125032
Ion	Ratio	Lower	Upper
57	100		
41	101.9	76.9	115.3
43	131.6	191.0	286.6#
56	56.5	43.2	64.8





#29

Chloroform

Concen: 0.401 ppbv

RT: 5.742 min Scan# 919

Delta R.T. 0.006 min

Lab File: VL039409.D

Acq: 29 Jun 2022 23:44

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 83 Resp: 7113

Ion Ratio Lower Upper

83 100

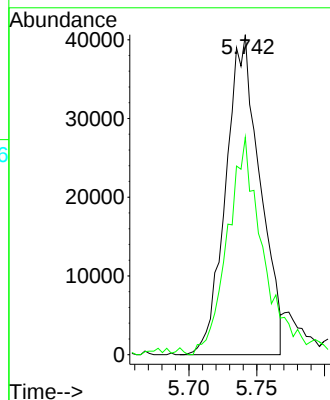
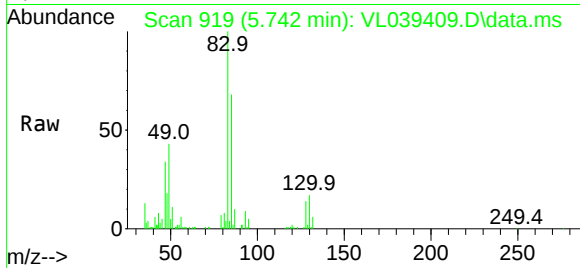
85 65.8 52.8 79.2

Manual Integrations

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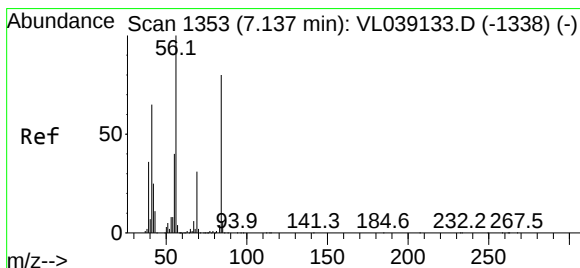
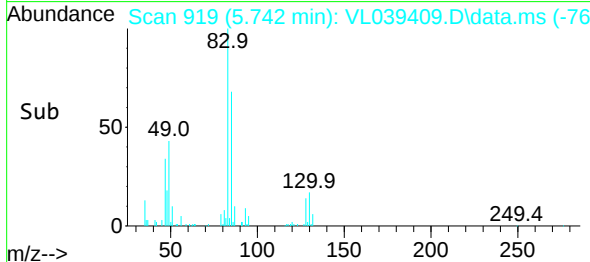
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07/01/2022



#30

Cyclohexane

Concen: 0.240 ppbv m

RT: 7.134 min Scan# 1352

Delta R.T. 0.022 min

Lab File: VL039409.D

Acq: 29 Jun 2022 23:44

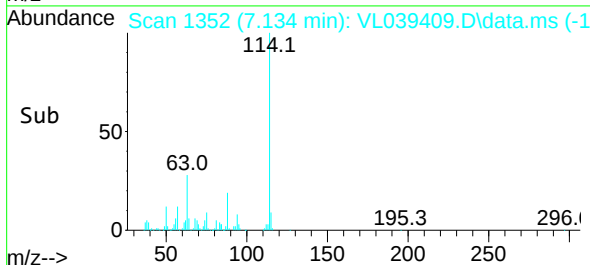
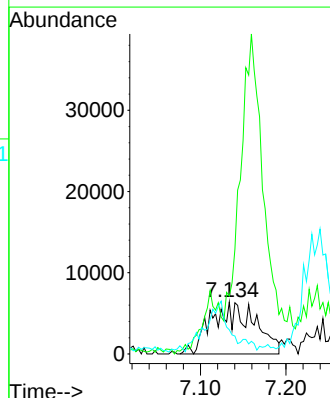
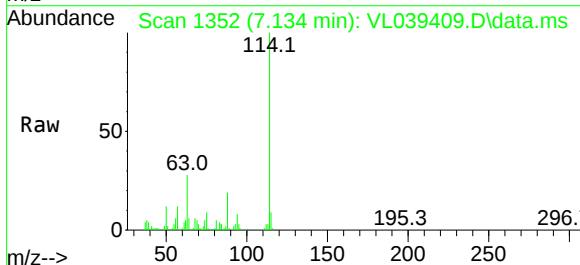
Tgt Ion: 84 Resp: 22293

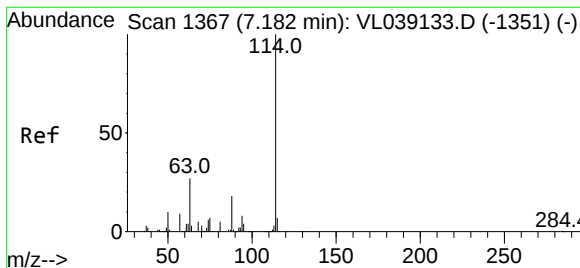
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

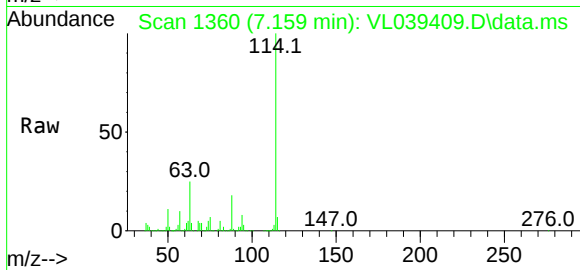
41 0.0 67.7 101.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.159 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

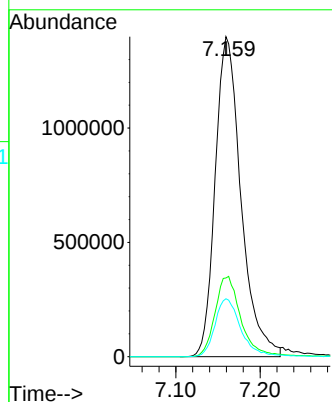
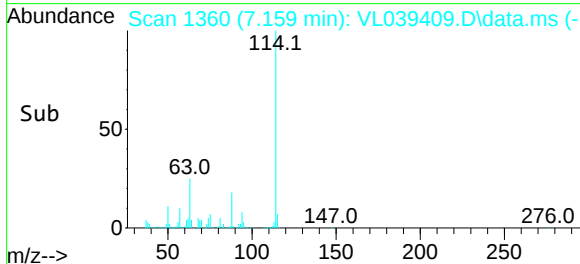
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:114 Resp: 2974730
Ion Ratio Lower Upper
114 100
63 25.5 20.2 30.4
88 18.4 14.5 21.7

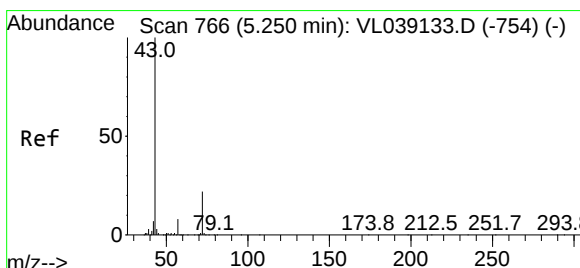
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Supervised By :Mahesh Dadoda 07/01/2022



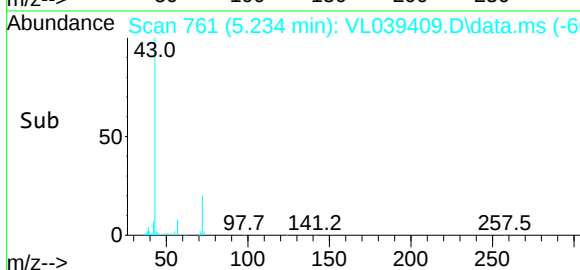
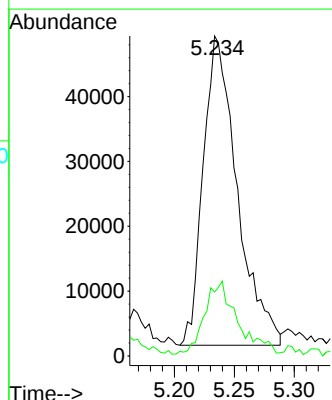
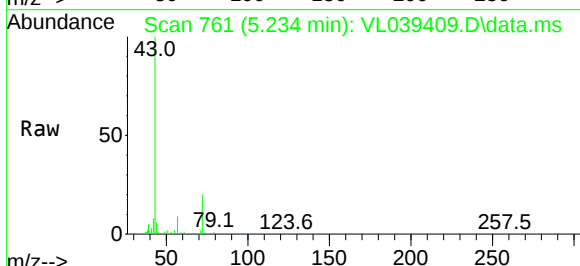
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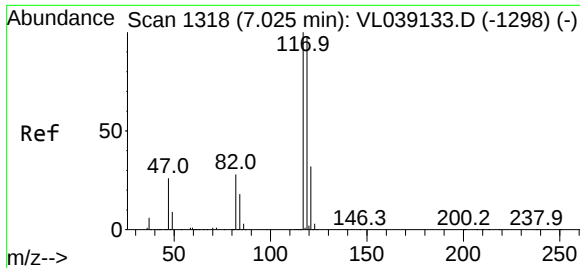
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#34
2-Butanone
Concen: 0.627 ppbv
RT: 5.234 min Scan# 761
Delta R.T. 0.009 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

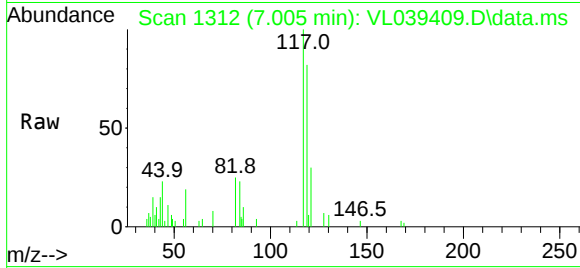
Tgt Ion: 43 Resp: 93929
Ion Ratio Lower Upper
43 100
72 24.3 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 7.005 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

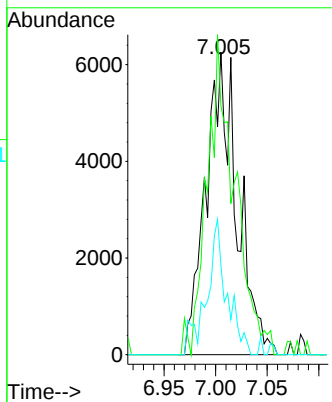
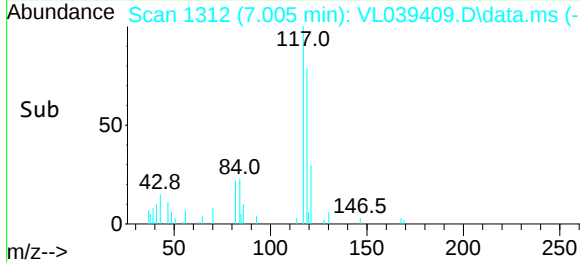
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:117 Resp: 13070
Ion Ratio Lower Upper
117 100
119 82.3 75.4 113.2
121 29.6 24.2 36.2

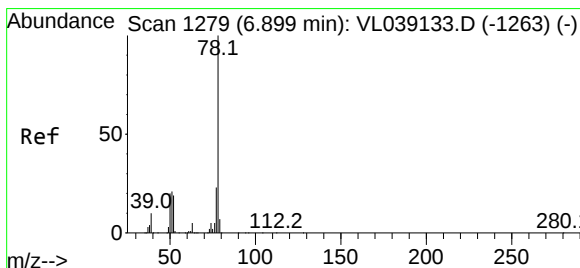
Manual Integrations
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Supervised By :Mahesh Dadoda 07/01/2022

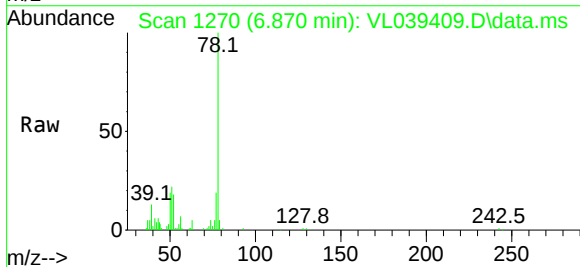


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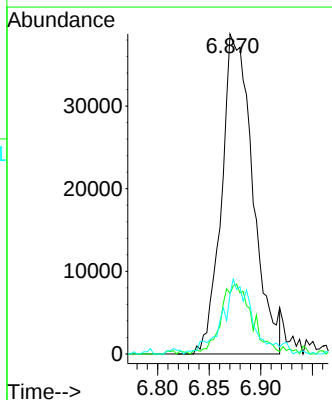
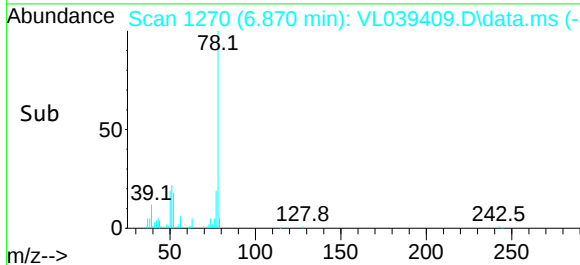
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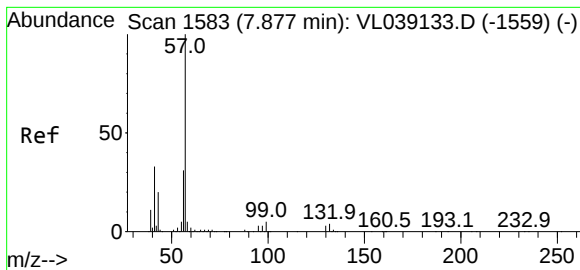


#36
Benzene
Concen: 0.353 ppbv m
RT: 6.870 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44



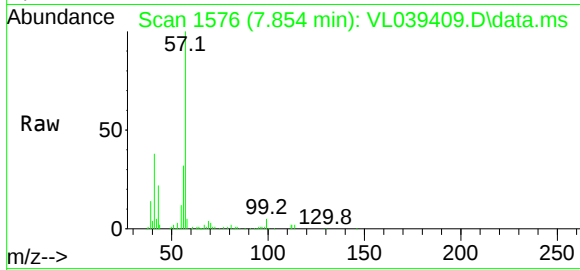
Tgt Ion: 78 Resp: 81295
Ion Ratio Lower Upper
78 100
77 19.0 20.3 30.5#
50 18.7 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.478 ppbv
RT: 7.854 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

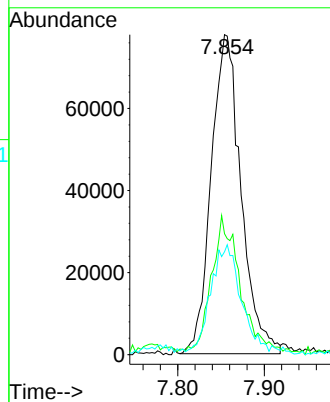
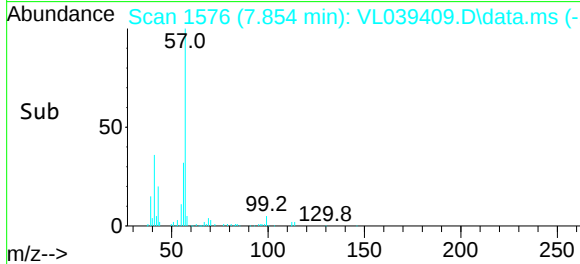
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 57 Resp: 186370
Ion Ratio Lower Upper
57 100
41 42.8 27.4 41.2
56 36.2 24.5 36.7

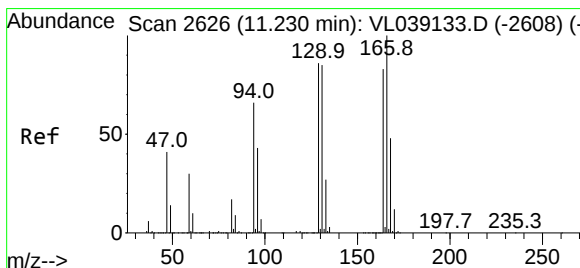
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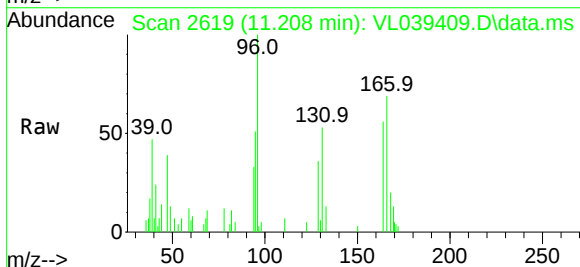


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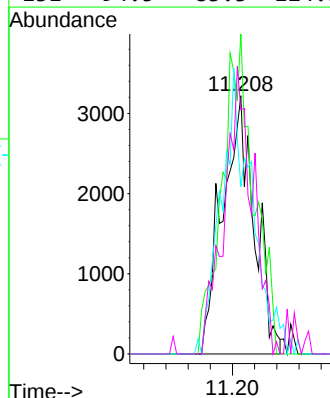
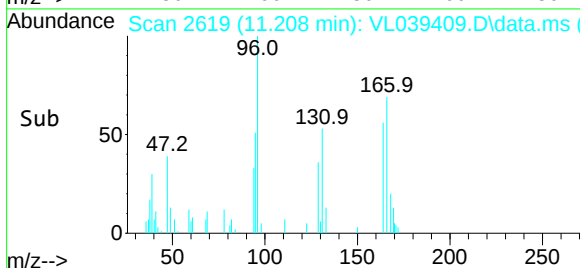
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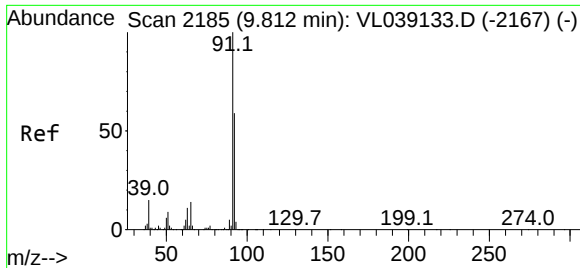


#52
Tetrachloroethene
Concen: 0.069 ppbv m
RT: 11.208 min Scan# 2619
Delta R.T. 0.009 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44



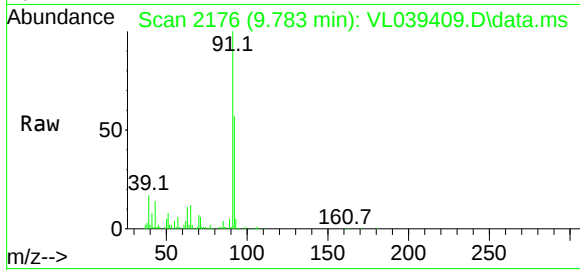
Tgt Ion:164 Resp: 6417
Ion Ratio Lower Upper
164 100
166 123.9 102.2 153.2
129 64.8 85.8 128.8
131 94.5 83.3 124.9





#53
Toluene
Concen: 1.626 ppbv m
RT: 9.783 min Scan# 2185
Delta R.T. -0.000 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

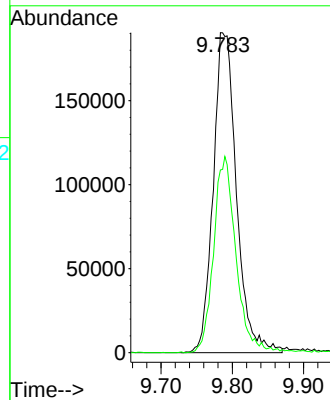
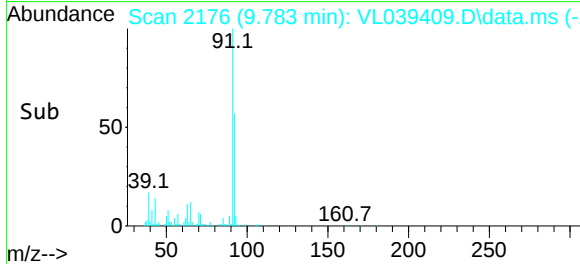
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 91 Resp: 431885
Ion Ratio Lower Upper
91 100
92 59.2 48.2 72.2

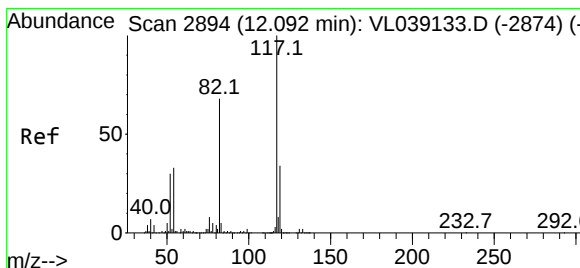
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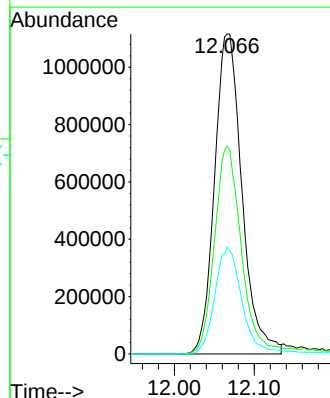
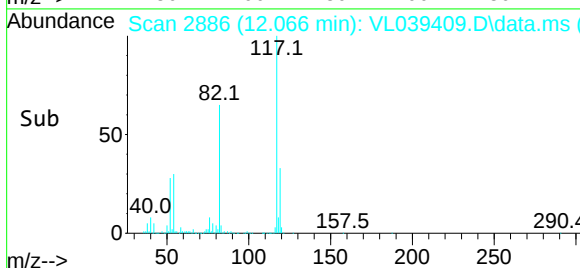
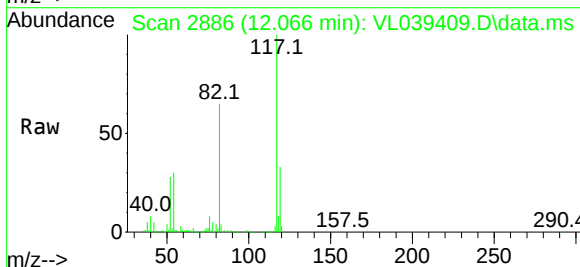
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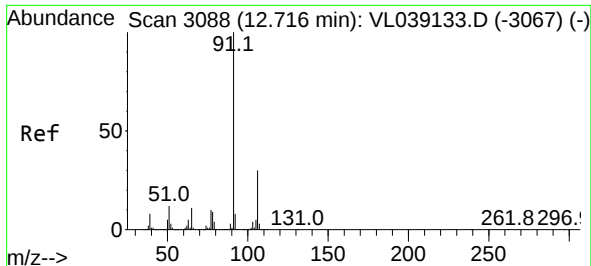
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.000 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

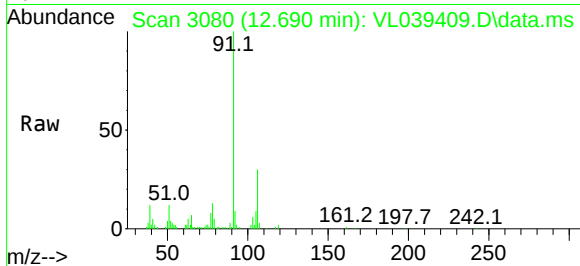
Tgt Ion:117 Resp: 2651840
Ion Ratio Lower Upper
117 100
82 66.4 50.8 76.2
119 33.7 24.1 36.1





#58
Ethyl Benzene
Concen: 0.288 ppbv
RT: 12.690 min Scan# 3088
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

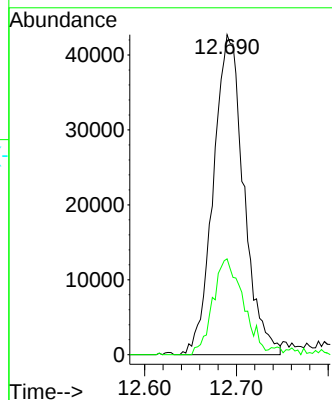
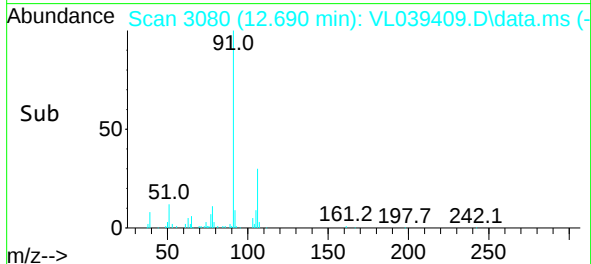
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 91 Resp: 98529
Ion Ratio Lower Upper
91 100
106 30.0 25.4 38.0

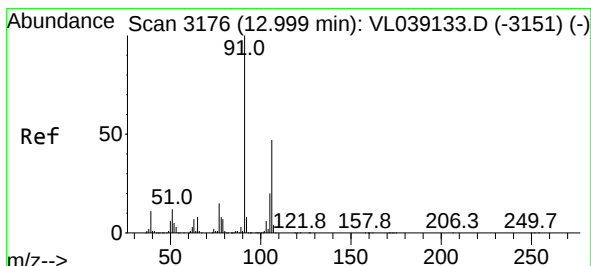
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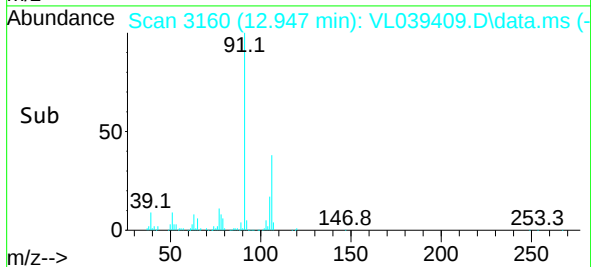
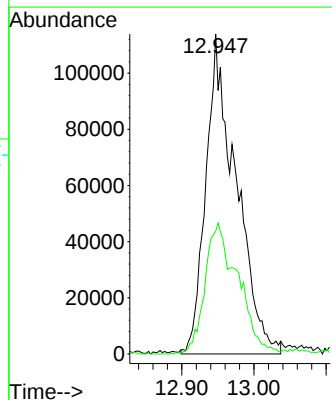
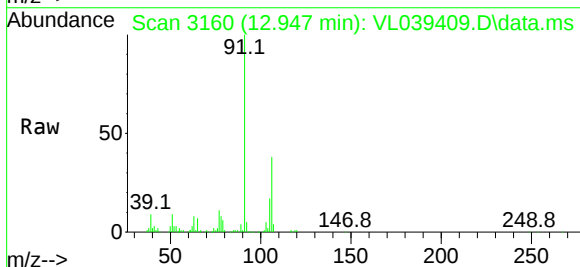
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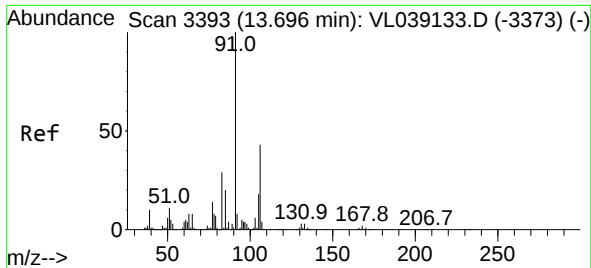
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#59
m/p-Xylene
Concen: 1.092 ppbv m
RT: 12.947 min Scan# 3160
Delta R.T. -0.026 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

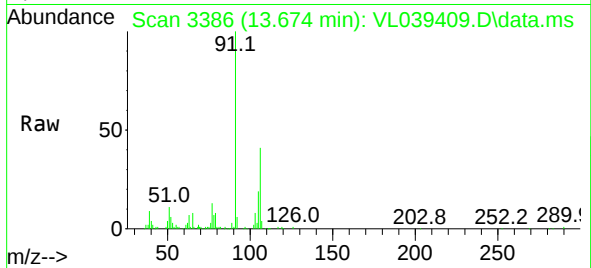
Tgt Ion: 91 Resp: 329800
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#60
o-Xylene
Concen: 0.431 ppbv
RT: 13.674 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

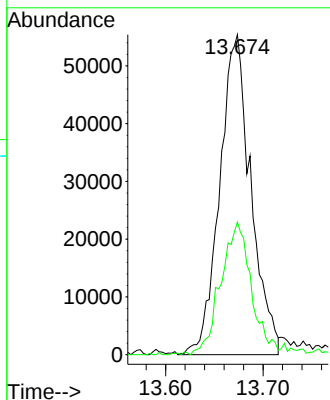
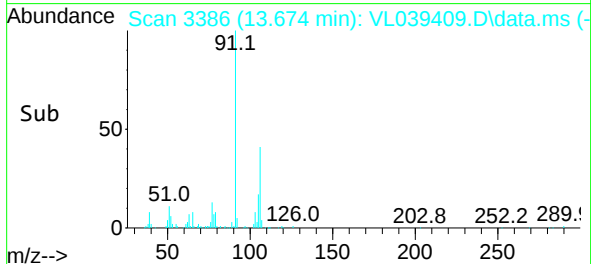
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 91 Resp: 12326
Ion Ratio Lower Upper
91 100
106 41.9 22.4 67.3

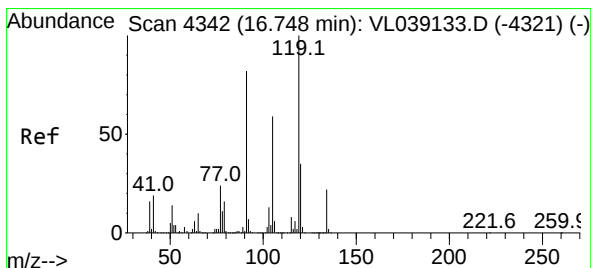
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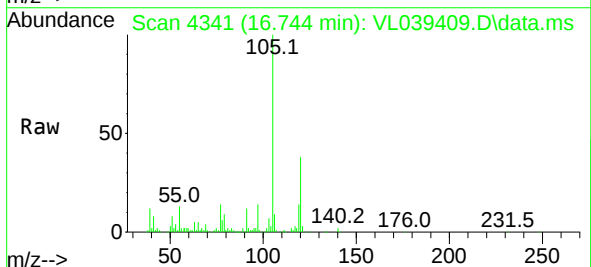


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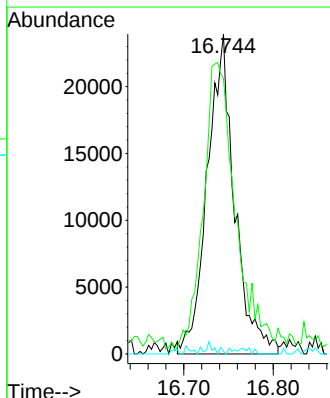
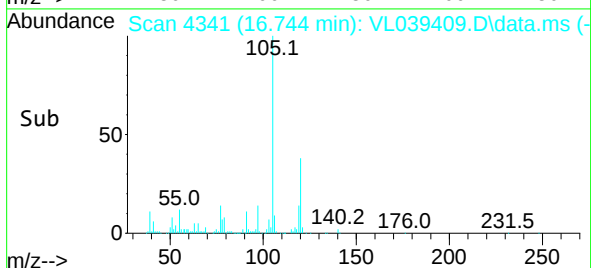
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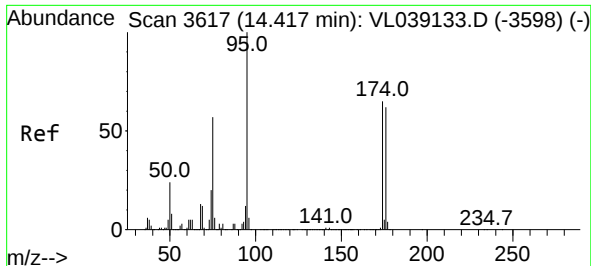


#65
tert-Butylbenzene
Concen: 0.126 ppbv m
RT: 16.744 min Scan# 4341
Delta R.T. 0.026 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44



Tgt Ion:119 Resp: 50691
Ion Ratio Lower Upper
119 100
91 0.0 63.4 95.2#
134 0.0 15.9 23.9#





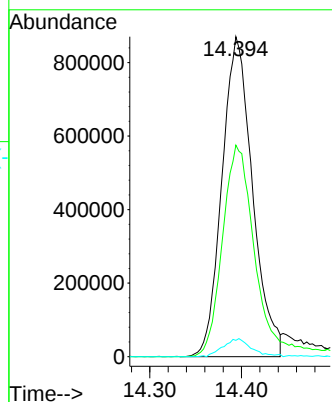
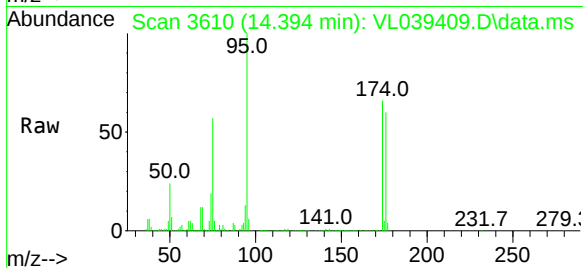
#68
1-Bromo-4-Fluorobenzene
Concen: 10.243 ppbv
RT: 14.394 min Scan# 301
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 95 Resp: 201504
Ion Ratio Lower Upper
95 100
174 74.2 55.9 83.9
175 5.5 4.2 6.4

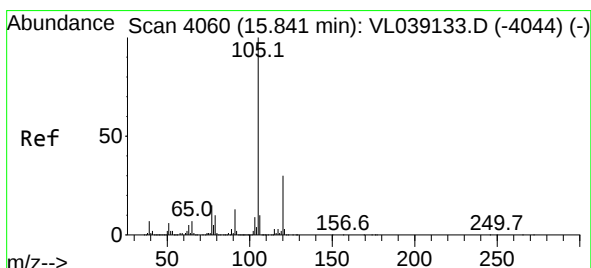
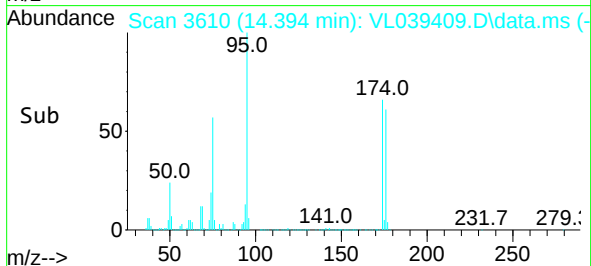
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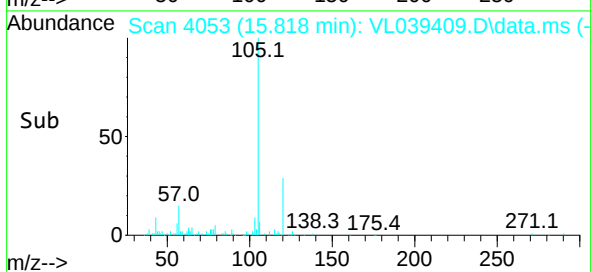
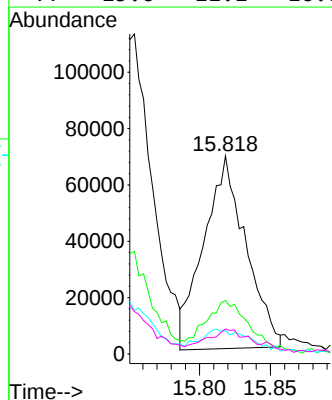
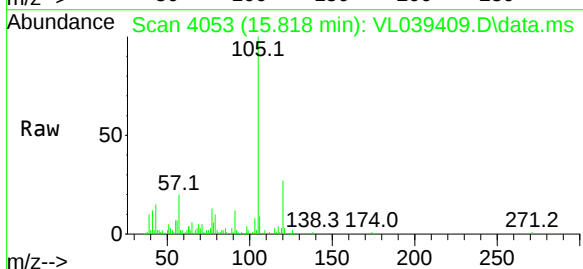
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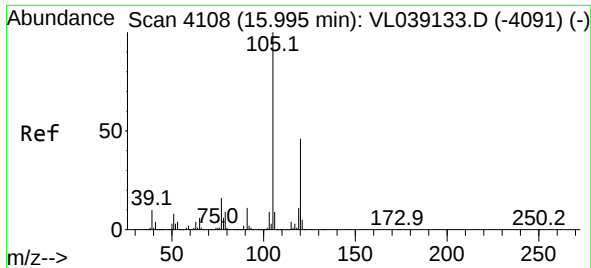
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#72
4-Ethyltoluene
Concen: 0.420 ppbv
RT: 15.818 min Scan# 4053
Delta R.T. 0.003 min
Lab File: VL039409.D
Acq: 29 Jun 2022 23:44

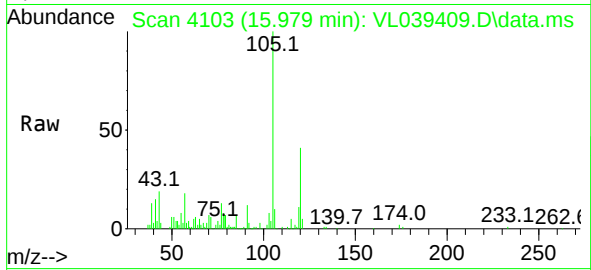
Tgt Ion:105 Resp: 141080
Ion Ratio Lower Upper
105 100
120 31.7 24.2 36.2
91 14.7 10.2 15.4
77 15.6 11.1 16.7





#73
 1,3,5-Trimethylbenzene
 Concen: 0.400 ppbv
 RT: 15.979 min Scan# 4108
 Delta R.T. 0.006 min
 Lab File: VL039409.D
 Acq: 29 Jun 2022 23:44

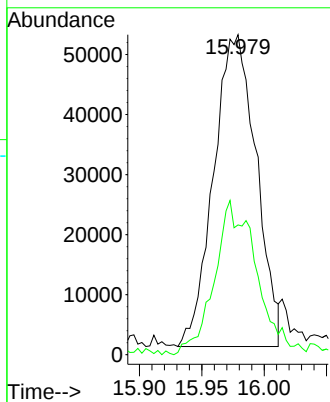
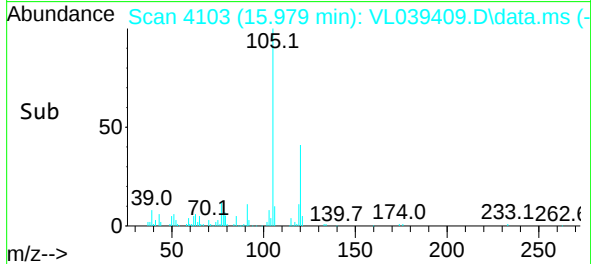
Instrument : MSVOA_L
 ClientSampleId : IA1DUP



Tgt Ion:105 Resp: 123429
 Ion Ratio Lower Upper
 105 100
 120 41.1 38.2 57.4

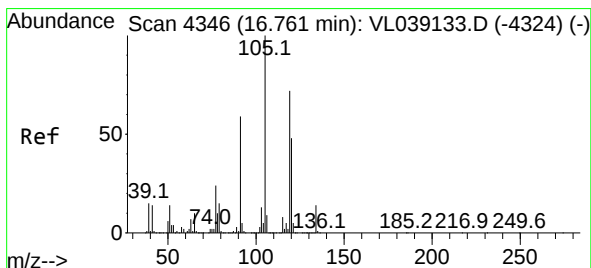
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 Supervised By :Mahesh Dadoda 07/01/2022

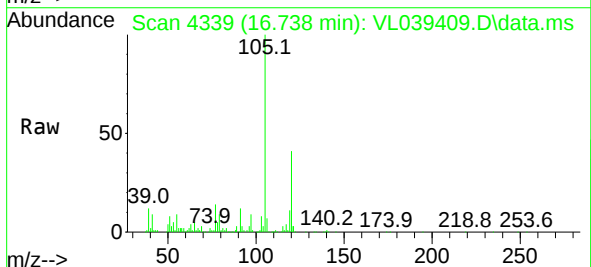


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#74
 1,2,4-Trimethylbenzene
 Concen: 1.211 ppbv
 RT: 16.738 min Scan# 4339
 Delta R.T. -0.000 min
 Lab File: VL039409.D
 Acq: 29 Jun 2022 23:44



Tgt Ion:105 Resp: 413615
 Ion Ratio Lower Upper
 105 100
 120 40.9 39.5 59.3
 91 12.1 39.2 58.8#
 77 13.3 17.2 25.8#

