

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039365.D
 Acq On : 27 Jun 2022 19:03
 Operator : SY/AP
 Sample : N3453-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/29/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 28 02:39:48 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1050786	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3077288	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.086	117	2927618	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2382437	9.843	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.051	85	21386m	0.116	ppbv	
3) Chlorodifluoromethane	2.989	51	14466m	0.108	ppbv	
4) Chloromethane	3.144	50	9681	0.141	ppbv #	87
9) Propene	3.012	41	162623	2.789	ppbv	93
10) Heptane	8.111	43	17563m	0.129	ppbv	
13) Ethanol	3.600	45	369943m	116.359	ppbv	
15) Acetone	3.848	43	353244	3.227	ppbv	93
17) tert-Butyl alcohol	4.292	59	88956	1.048	ppbv #	93
19) Isopropyl Alcohol	3.970	45	31042m	0.605	ppbv	
20) Methylene Chloride	4.343	84	115401	2.502	ppbv	91
26) Hexane	5.687	57	78620m	0.725	ppbv	
27) Carbon Disulfide	4.549	76	11583m	0.103	ppbv	
34) 2-Butanone	5.247	43	134472m	0.804	ppbv	
36) Benzene	6.890	78	51335	0.205	ppbv #	94
52) Tetrachloroethene	11.221	164	2966m	0.030	ppbv	
53) Toluene	9.803	91	697263	2.424	ppbv	99
58) Ethyl Benzene	12.709	91	642532	1.593	ppbv	98
59) m/p-Xylene	12.967	91	1783236	5.022	ppbv	93
60) o-Xylene	13.690	91	985264	2.953	ppbv	99
61) Styrene	13.523	104	180067	1.008	ppbv	98
62) Isopropylbenzene	14.667	105	8231029	16.596	ppbv	98
74) 1,2,4-Trimethylbenzene	16.764	105	54527m	0.139	ppbv	

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

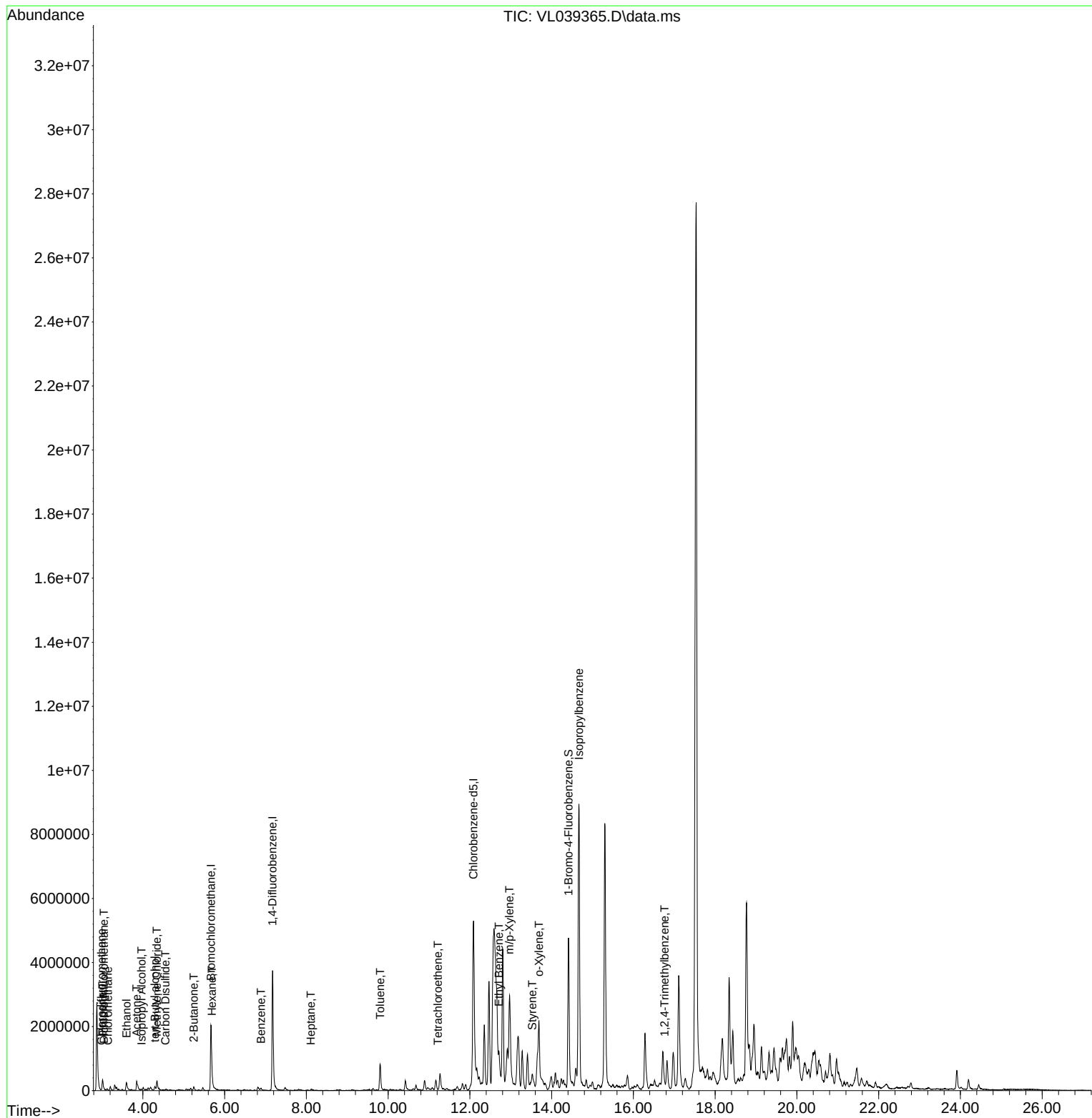
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
Data File : VL039365.D
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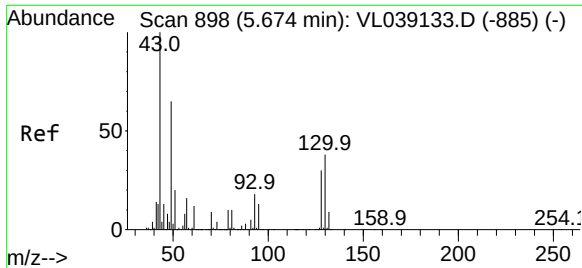
Instrument :
MSVOA_L
ClientSampleId :
SG-3

Quant Time: Jun 28 02:39:48 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

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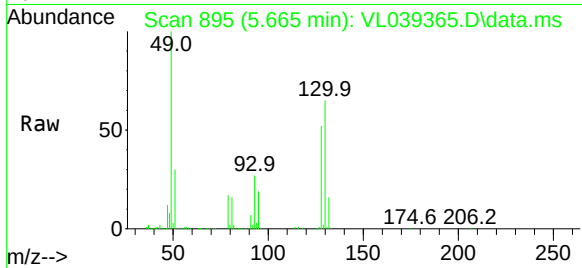
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 89
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

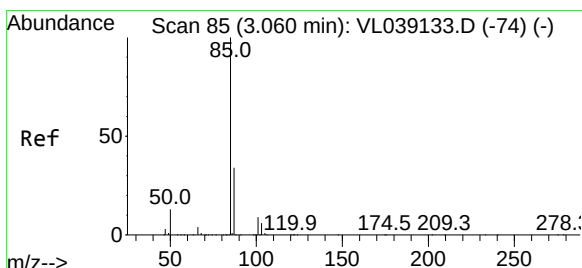
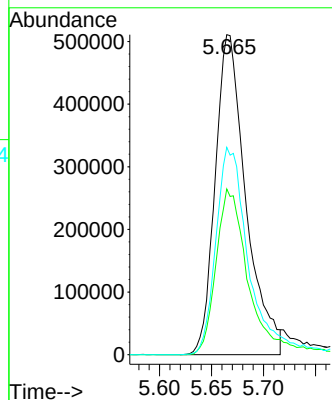
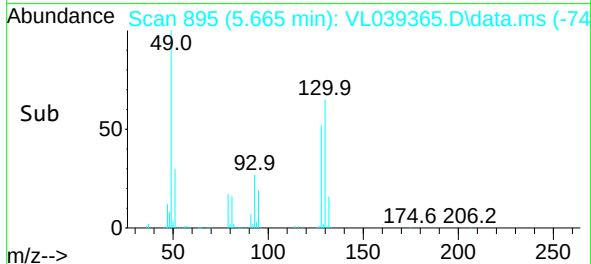
Instrument :
MSVOA_L
ClientSampleId :
SG-3



Tgt Ion: 49 Resp: 105078
Ion Ratio Lower Upper
49 100
128 56.4 24.7 74.1
130 71.4 31.4 94.0

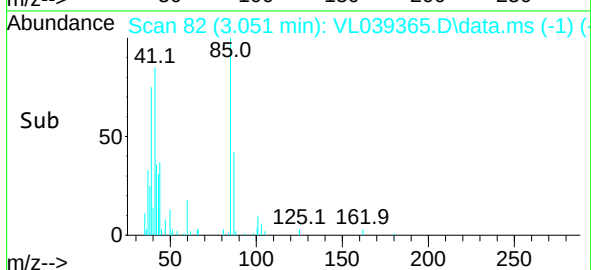
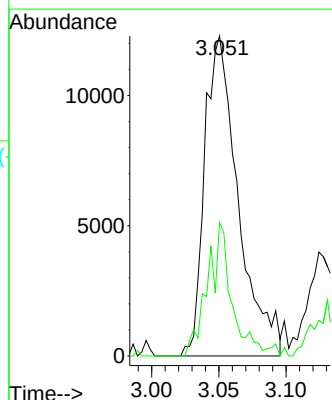
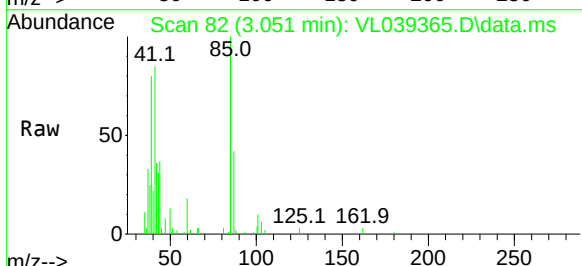
Manual Integrations
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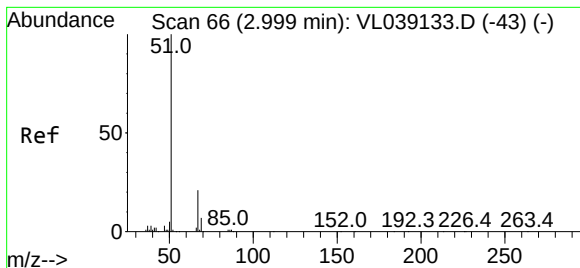
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.116 ppbv m
RT: 3.051 min Scan# 82
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

Tgt Ion: 85 Resp: 21386
Ion Ratio Lower Upper
85 100
87 41.7 26.9 40.3#





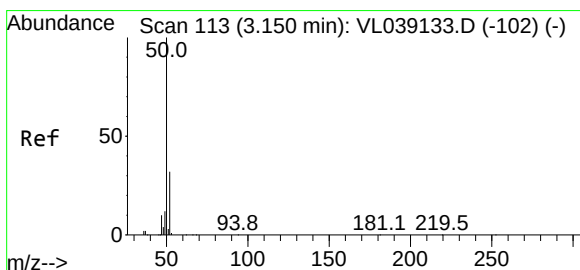
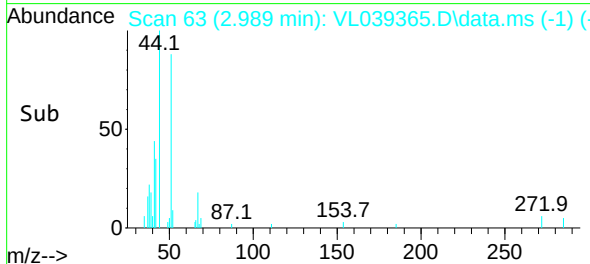
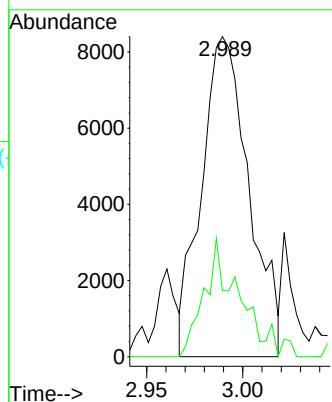
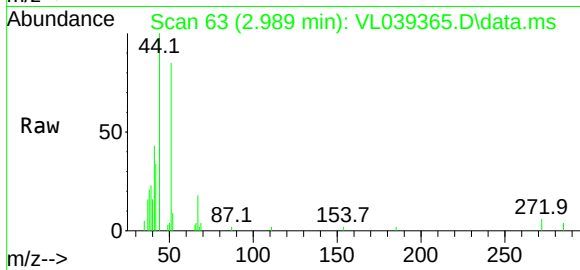
#3
Chlorodifluoromethane
Concen: 0.108 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 51 Resp: 1446
Ion Ratio Lower Upper
51 100
67 27.8 16.2 24.4

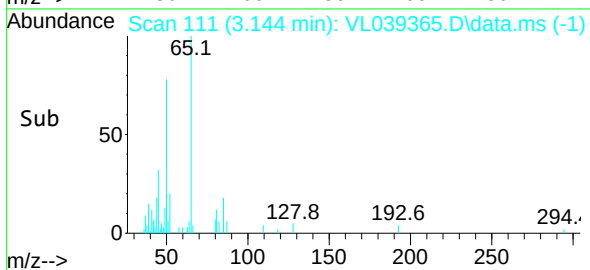
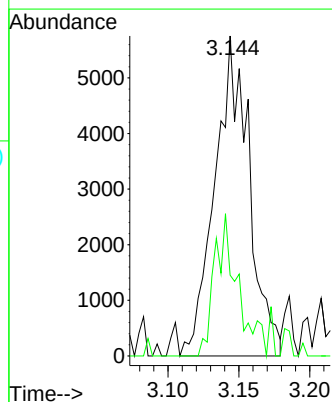
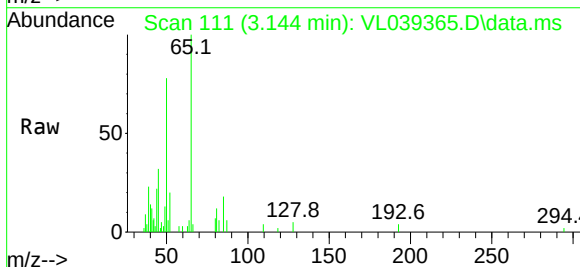
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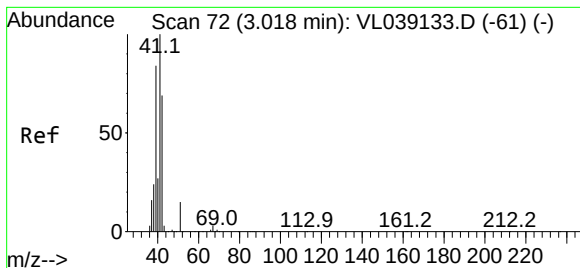
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 0.141 ppbv
RT: 3.144 min Scan# 111
Delta R.T. -0.006 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

Tgt Ion: 50 Resp: 9681
Ion Ratio Lower Upper
50 100
52 25.3 25.9 38.9





#9

Propene

Concen: 2.789 ppbv

RT: 3.012 min Scan# 70

Delta R.T. -0.006 min

Lab File: VL039365.D

Acq: 27 Jun 2022 19:03

Instrument :

MSVOA_L

ClientSampleId :

SG-3

Tgt Ion: 41 Resp: 16262

Ion Ratio Lower Upper

41 100

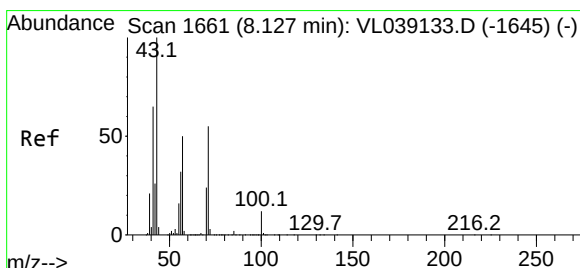
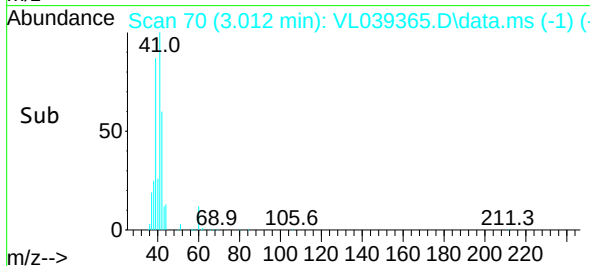
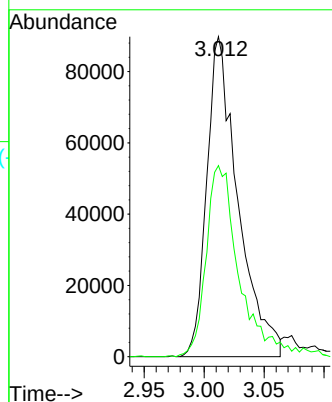
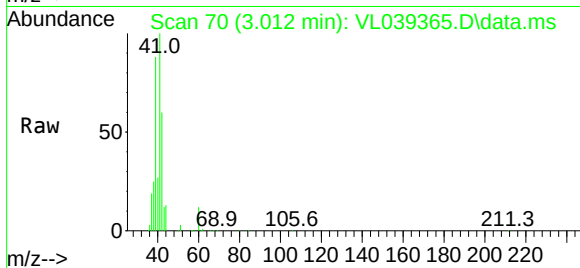
42 63.6 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022



#10

Heptane

Concen: 0.129 ppbv m

RT: 8.111 min Scan# 1656

Delta R.T. -0.016 min

Lab File: VL039365.D

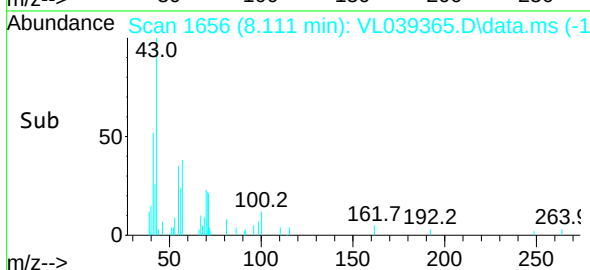
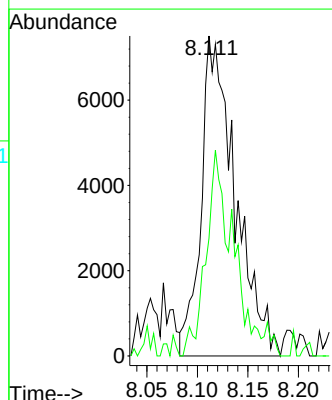
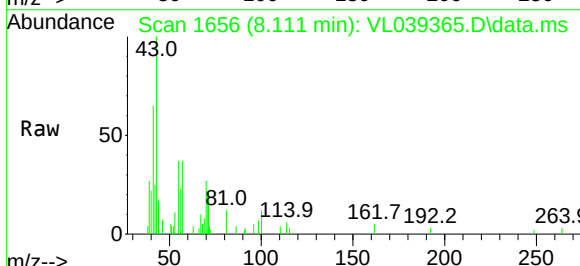
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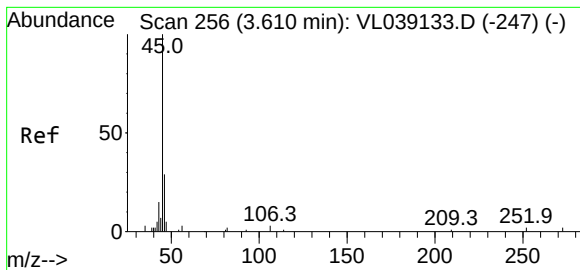
Tgt Ion: 43 Resp: 17563

Ion Ratio Lower Upper

43 100

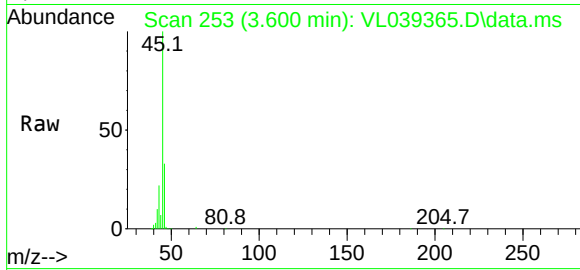
57 52.8 41.4 62.2





#13
Ethanol
Concen: 116.359 ppbv m
RT: 3.600 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

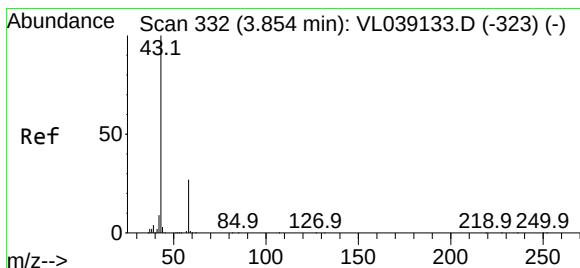
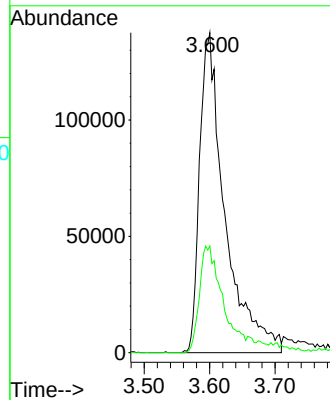
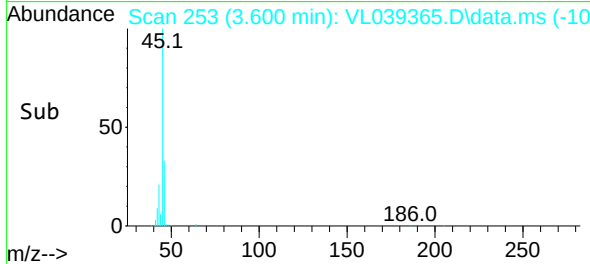
Instrument :
MSVOA_L
ClientSampleId :
SG-3



Tgt Ion: 45 Resp: 36994
Ion Ratio Lower Upper
45 100
46 35.3 0.0 0.0

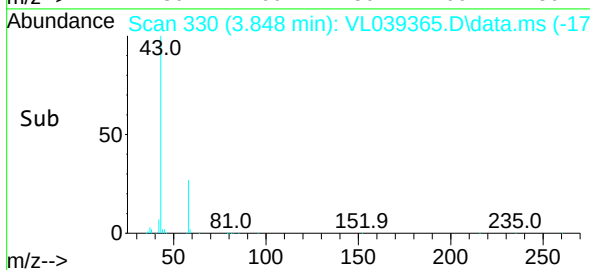
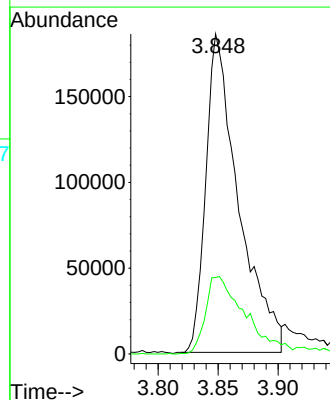
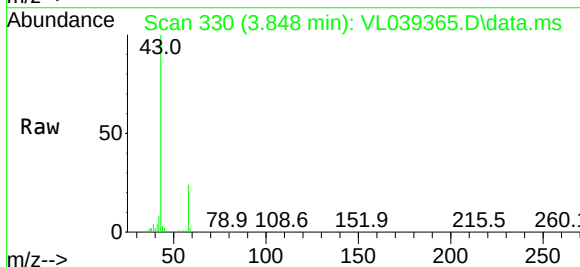
Manual Integrations
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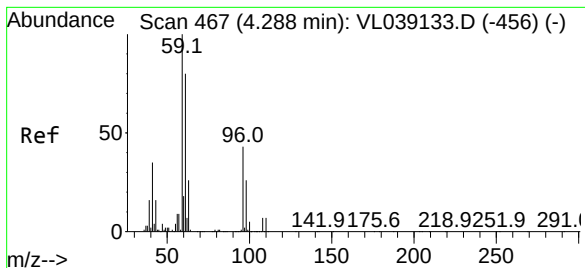
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#15
Acetone
Concen: 3.227 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.006 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

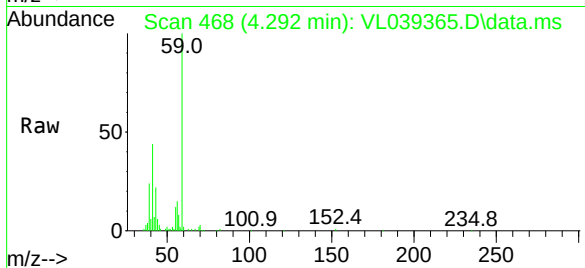
Tgt Ion: 43 Resp: 353244
Ion Ratio Lower Upper
43 100
58 32.0 22.5 33.7





#17
tert-Butyl alcohol
Concen: 1.048 ppbv
RT: 4.292 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

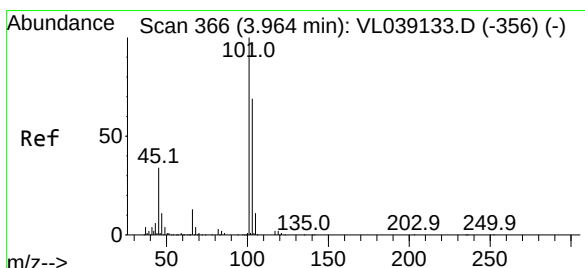
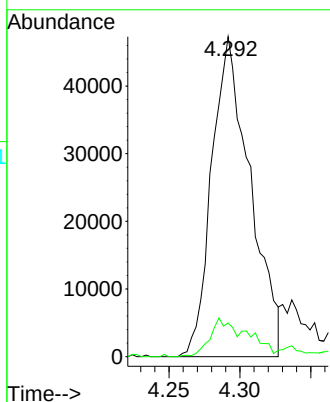
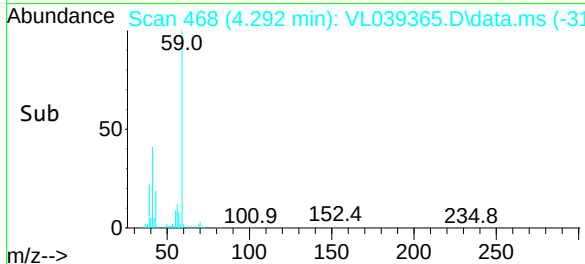
Instrument :
MSVOA_L
ClientSampleId :
SG-3



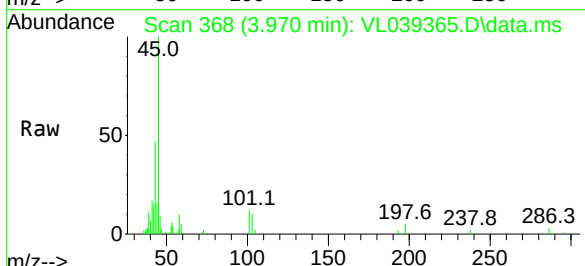
Tgt Ion: 59 Resp: 88950
Ion Ratio Lower Upper
59 100
57 14.2 9.1 13.7

Manual Integrations
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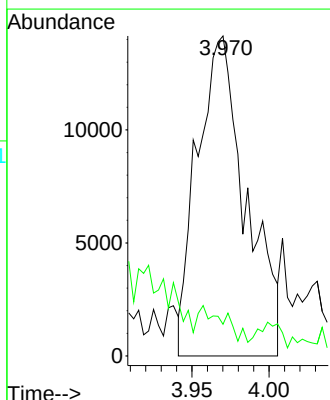
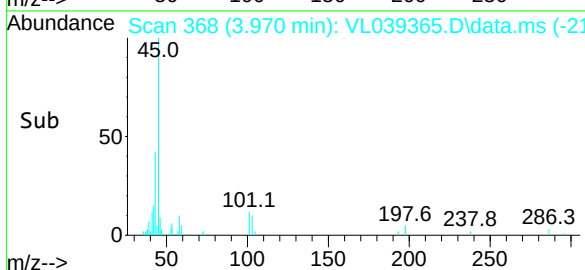
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Supervised By :Mahesh Dadoda 06/30/2022

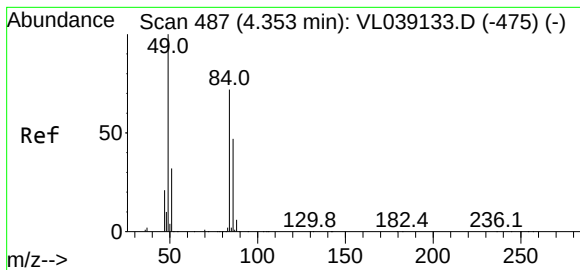


#19
Isopropyl Alcohol
Concen: 0.605 ppbv m
RT: 3.970 min Scan# 368
Delta R.T. 0.006 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03



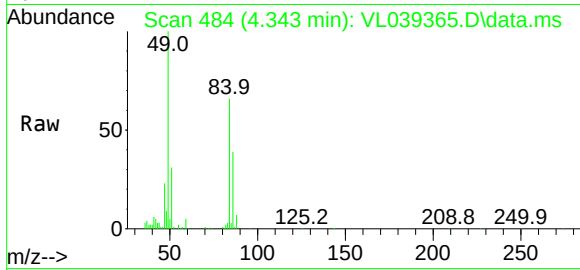
Tgt Ion: 45 Resp: 31042
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8





#20
Methylene Chloride
Concen: 2.502 ppbv
RT: 4.343 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

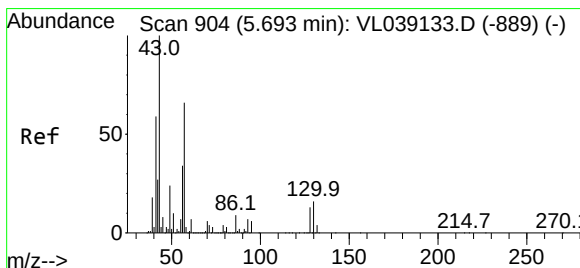
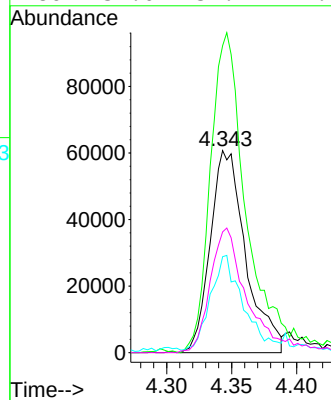
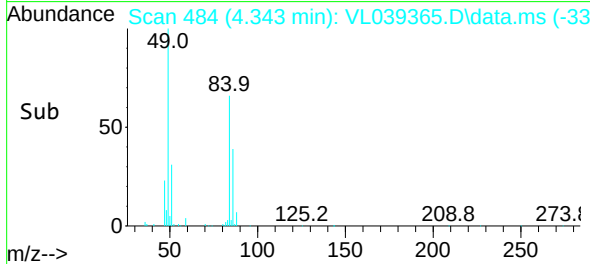
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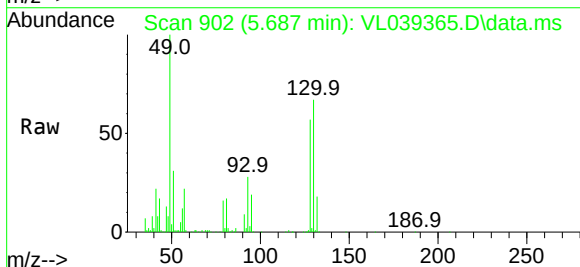
Tgt Ion: 84 Resp: 11540
Ion Ratio Lower Upper
84 100
49 152.0 111.1 166.7
51 46.3 35.3 52.9
86 59.0 51.9 77.9

Manual Integrations
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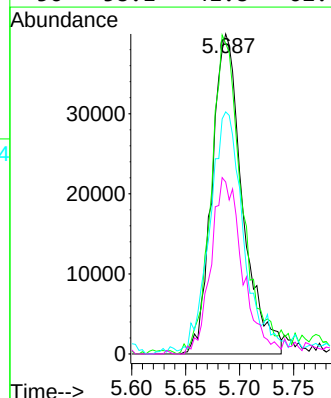
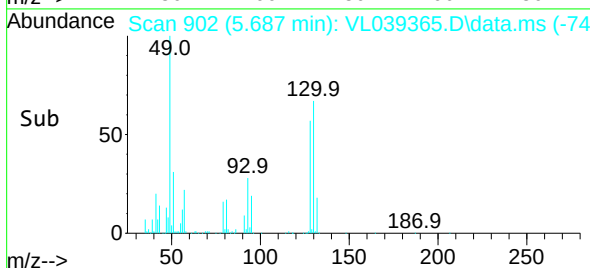
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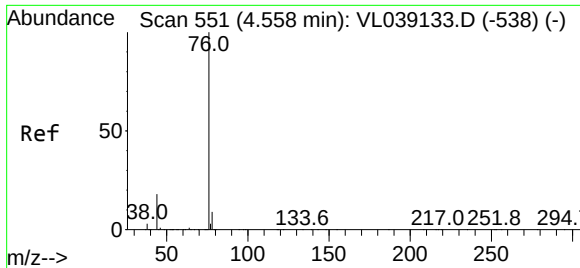


#26
Hexane
Concen: 0.725 ppbv m
RT: 5.687 min Scan# 902
Delta R.T. -0.006 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03



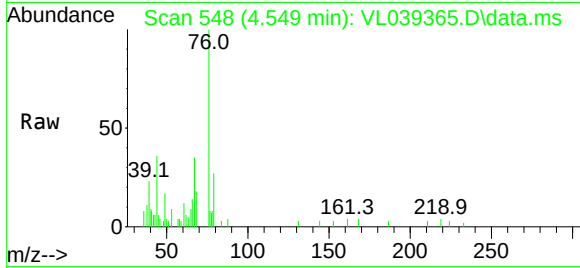
Tgt Ion: 57 Resp: 78620
Ion Ratio Lower Upper
57 100
41 105.1 72.4 108.6
43 92.6 187.0 280.6#
56 58.1 41.8 62.6





#27
Carbon Disulfide
Concen: 0.103 ppbv m
RT: 4.549 min Scan# 54
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

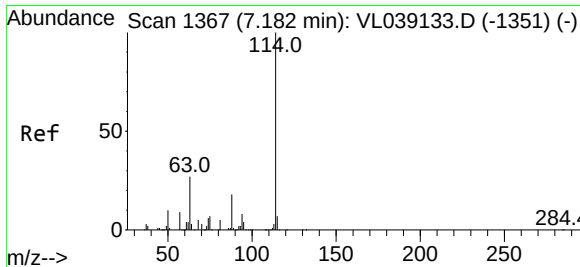
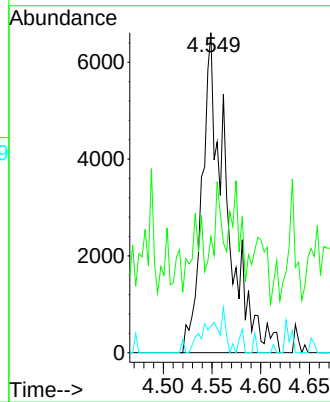
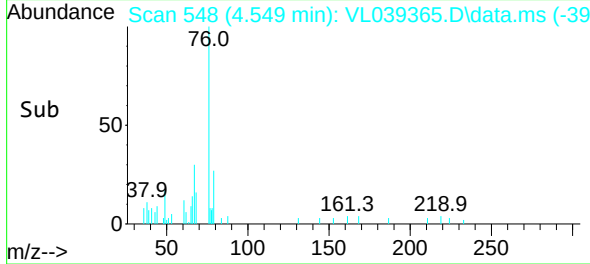
Instrument :
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ClientSampleId :
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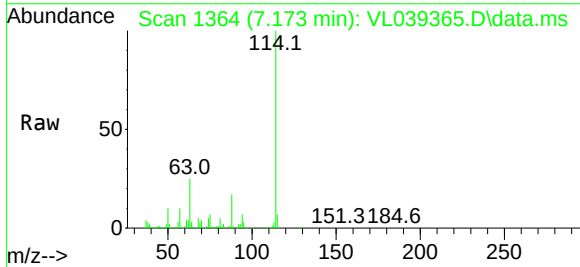
Tgt Ion: 76 Resp: 1158
Ion Ratio Lower Upper
76 100
44 8.7 14.4 21.6
78 0.0 7.7 11.5

Manual Integrations
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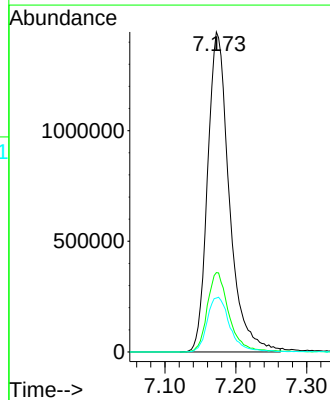
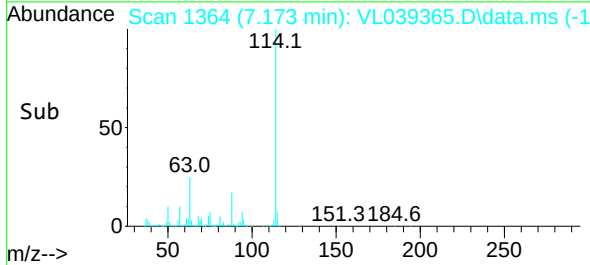
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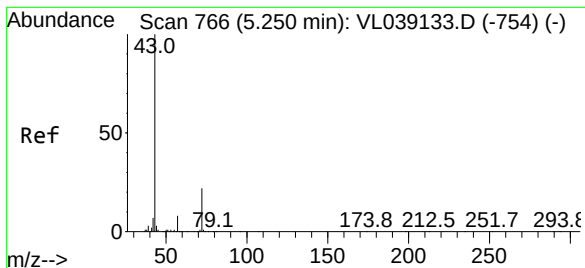


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.173 min Scan# 1364
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03



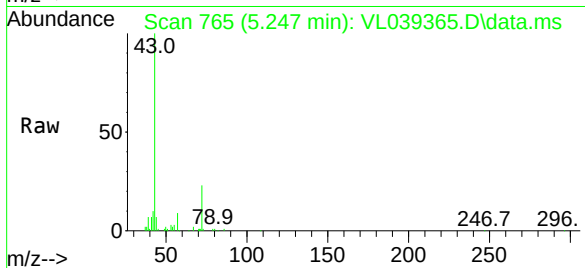
Tgt Ion:114 Resp: 3077288
Ion Ratio Lower Upper
114 100
63 25.0 21.7 32.5
88 18.0 14.8 22.2





#34
2-Butanone
Concen: 0.804 ppbv m
RT: 5.247 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

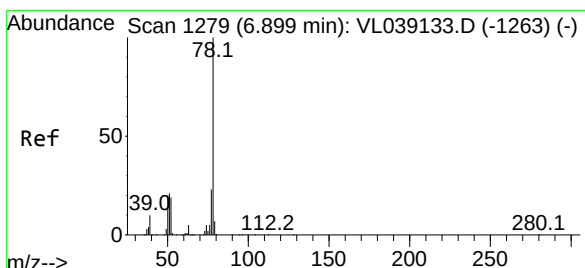
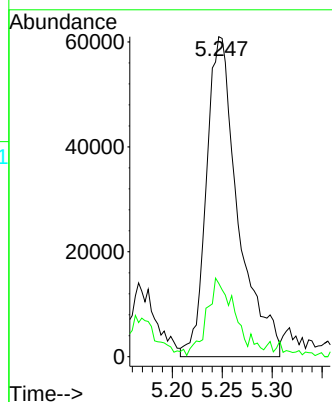
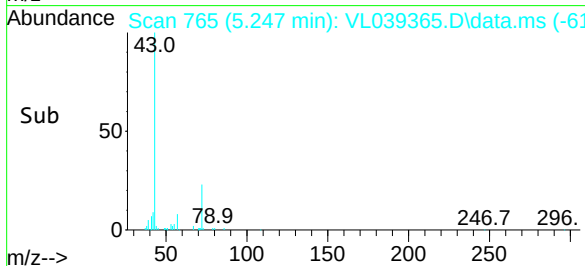
Instrument :
MSVOA_L
ClientSampleId :
SG-3



Tgt Ion: 43 Resp: 134472
Ion Ratio Lower Upper
43 100
72 24.7 18.2 27.2

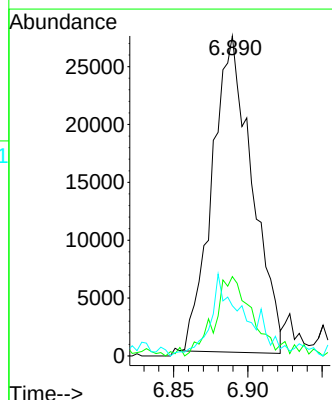
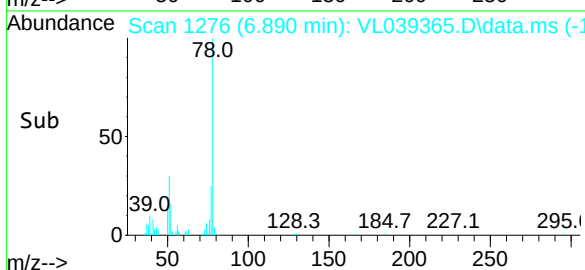
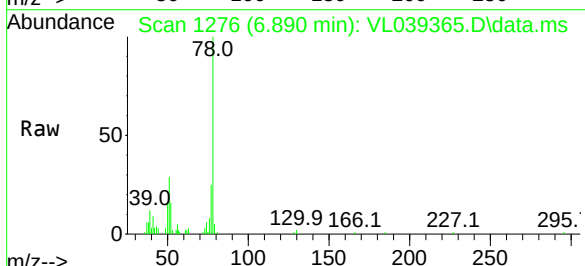
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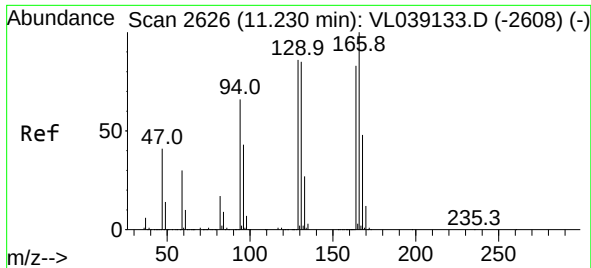
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#36
Benzene
Concen: 0.205 ppbv
RT: 6.890 min Scan# 1276
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

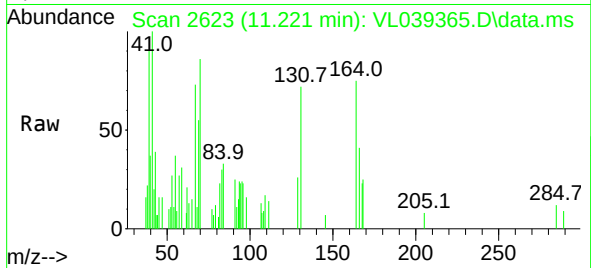
Tgt Ion: 78 Resp: 51335
Ion Ratio Lower Upper
78 100
77 22.5 18.6 27.8
50 14.6 15.8 23.8#





#52
Tetrachloroethene
Concen: 0.030 ppbv m
RT: 11.221 min Scan# 2160
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

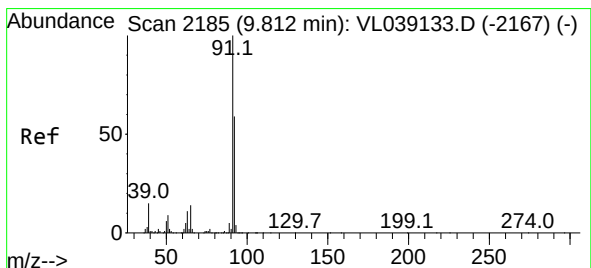
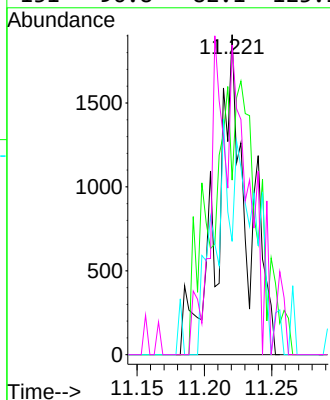
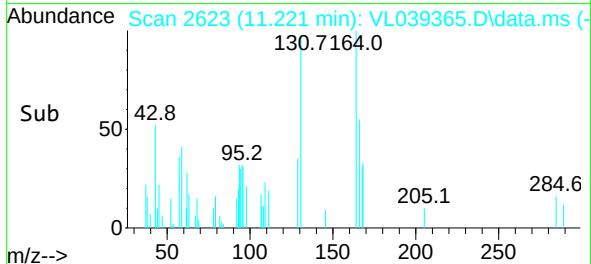
Instrument :
MSVOA_L
ClientSampleId :
SG-3



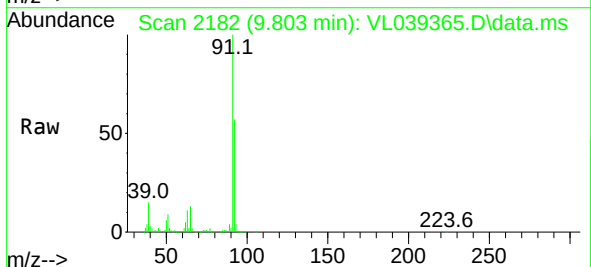
Tgt Ion:164 Resp: 2960
Ion Ratio Lower Upper
164 100
166 54.5 96.3 144.5
129 35.4 82.5 123.7
131 96.8 82.1 123.1

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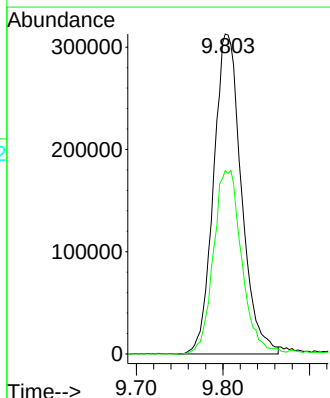
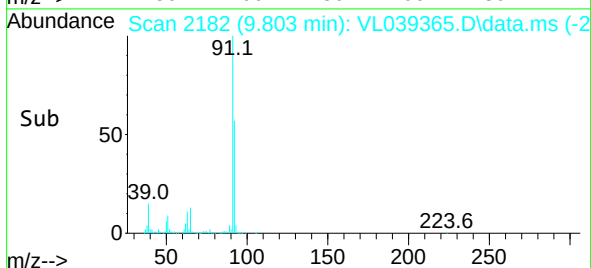
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

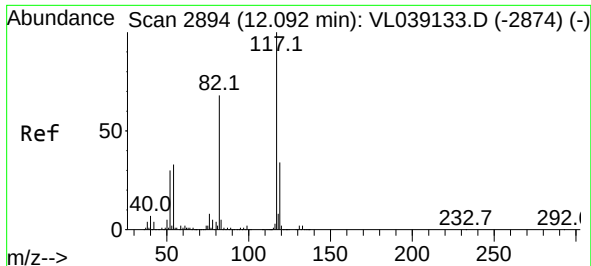


#53
Toluene
Concen: 2.424 ppbv
RT: 9.803 min Scan# 2182
Delta R.T. -0.010 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03



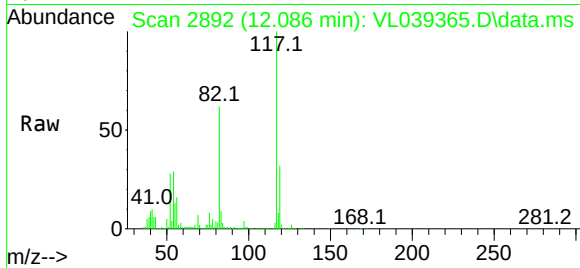
Tgt Ion: 91 Resp: 697263
Ion Ratio Lower Upper
91 100
92 59.5 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.086 min Scan# 2892
Delta R.T. -0.006 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

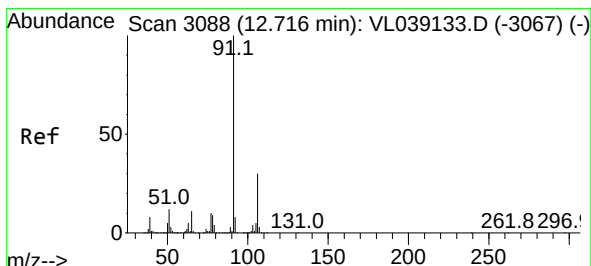
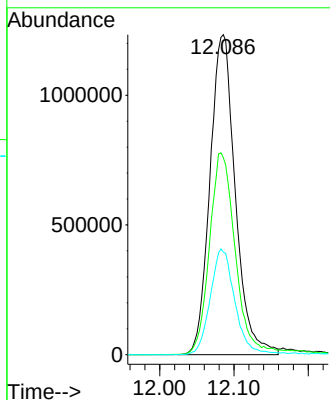
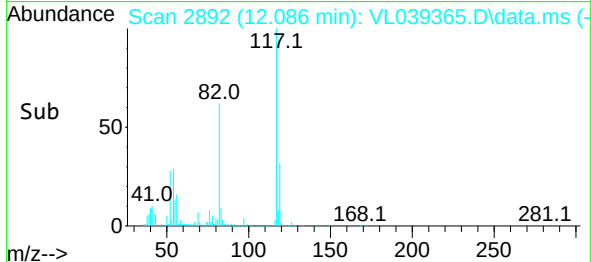
Instrument : MSVOA_L
ClientSampleId : SG-3



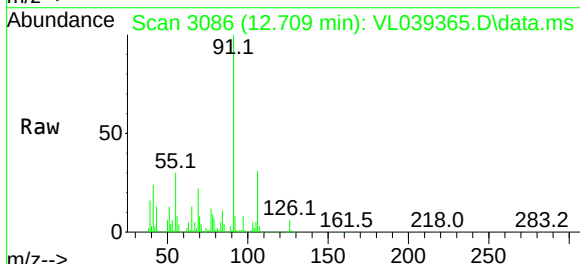
Tgt Ion: 117 Resp: 2927618
Ion Ratio Lower Upper
117 100
82 66.4 55.1 82.7
119 32.8 24.7 37.1

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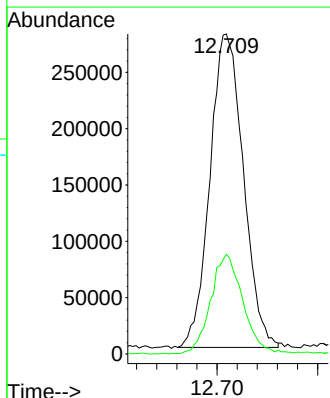
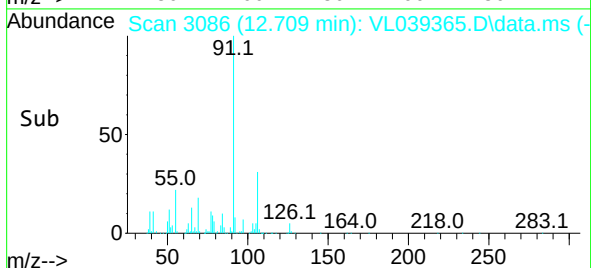
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

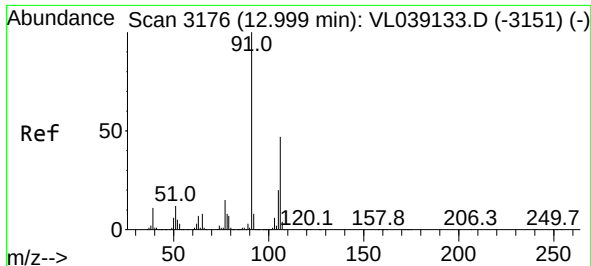


#58
Ethyl Benzene
Concen: 1.593 ppbv
RT: 12.709 min Scan# 3086
Delta R.T. -0.006 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03



Tgt Ion: 91 Resp: 642532
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4





#59

m/p-Xylene

Concen: 5.022 ppbv

RT: 12.967 min Scan# 3176

Delta R.T. -0.032 min

Lab File: VL039365.D

Acq: 27 Jun 2022 19:03

Instrument :

MSVOA_L

ClientSampleId :

SG-3

Tgt Ion: 91 Resp: 178323

Ion Ratio Lower Upper

91 100

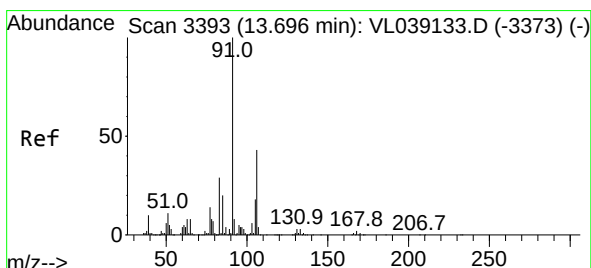
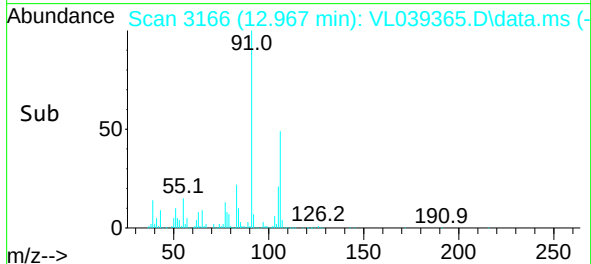
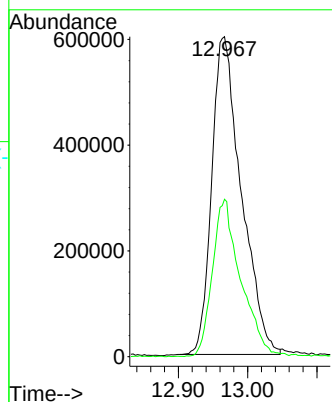
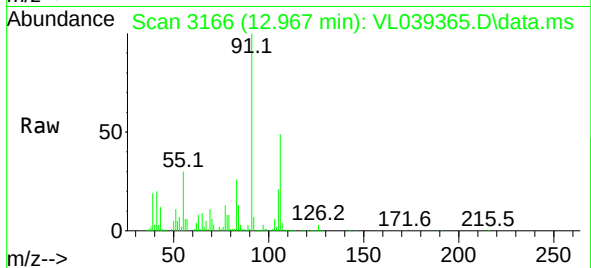
106 47.6 34.3 51.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022



#60

o-Xylene

Concen: 2.953 ppbv

RT: 13.690 min Scan# 3391

Delta R.T. -0.006 min

Lab File: VL039365.D

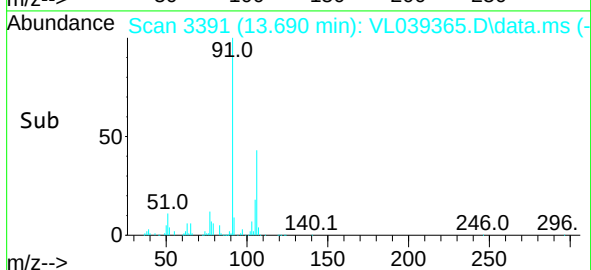
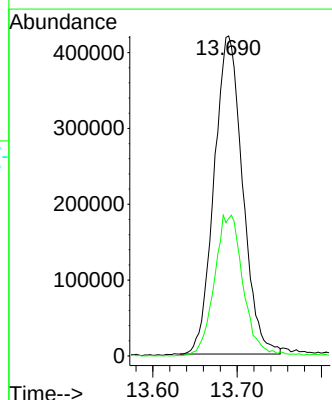
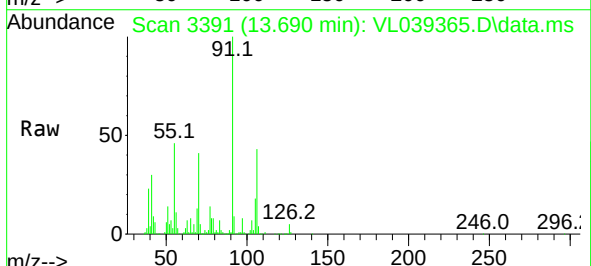
Acq: 27 Jun 2022 19:03

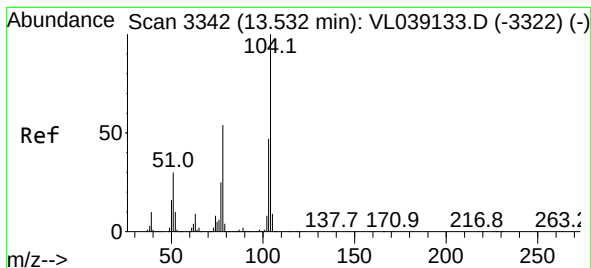
Tgt Ion: 91 Resp: 985264

Ion Ratio Lower Upper

91 100

106 45.1 22.3 66.9





#61

Styrene

Concen: 1.008 ppbv

RT: 13.523 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL039365.D

Acq: 27 Jun 2022 19:03

Instrument :

MSVOA_L

ClientSampleId :

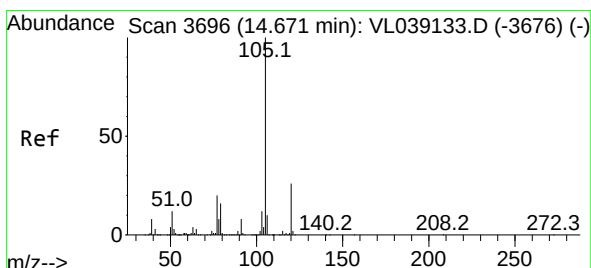
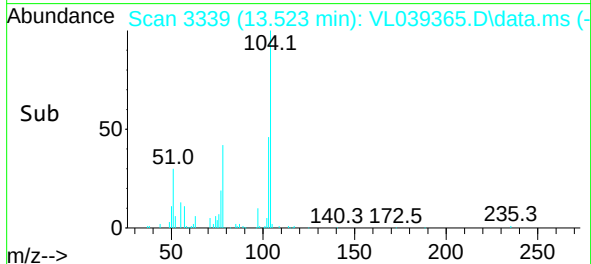
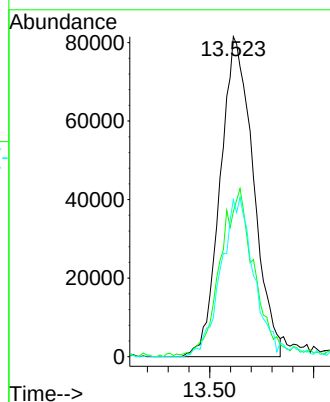
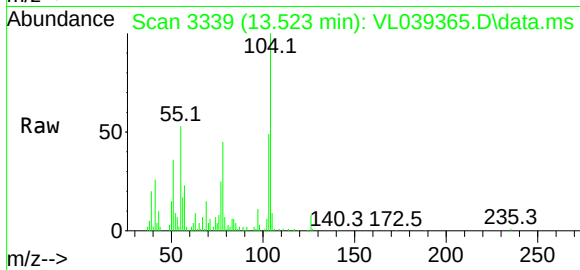
SG-3

Tgt Ion:104 Resp: 18006
 Ion Ratio Lower Upper
 104 100
 78 55.4 45.7 68.5
 103 50.6 39.6 59.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#62

Isopropylbenzene

Concen: 16.596 ppbv

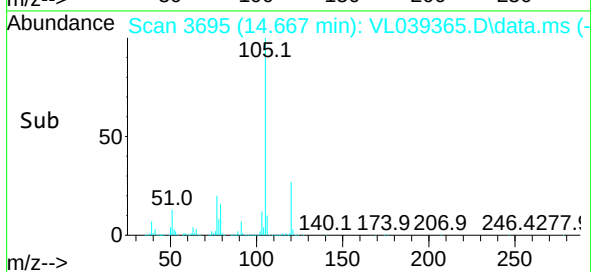
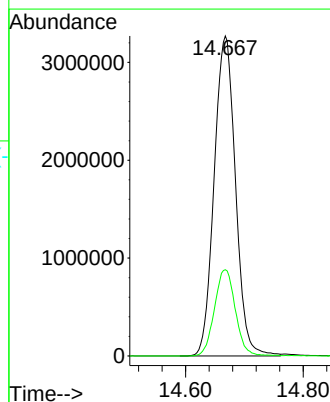
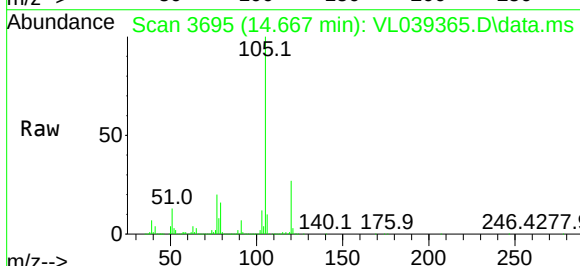
RT: 14.667 min Scan# 3695

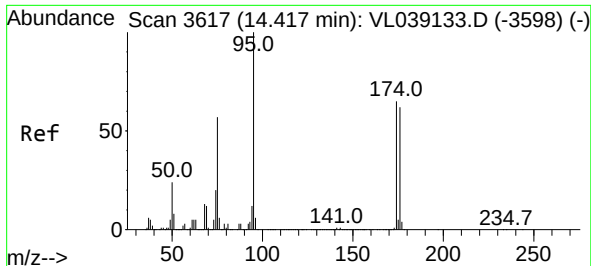
Delta R.T. -0.003 min

Lab File: VL039365.D

Acq: 27 Jun 2022 19:03

Tgt Ion:105 Resp: 8231029
 Ion Ratio Lower Upper
 105 100
 120 26.6 20.3 30.5





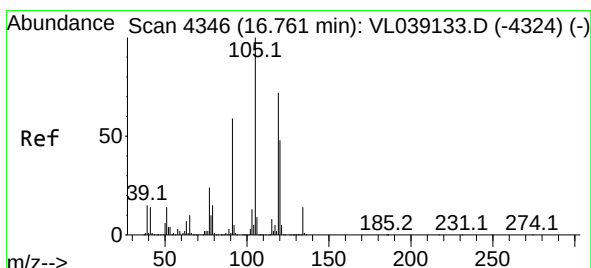
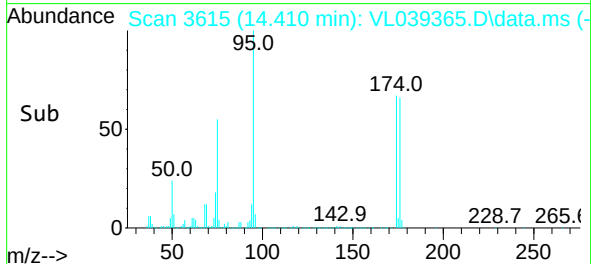
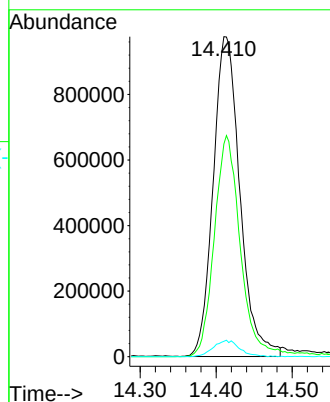
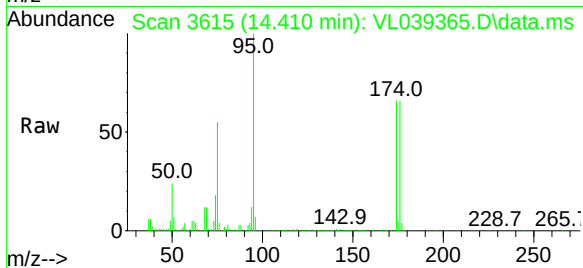
#68
1-Bromo-4-Fluorobenzene
Concen: 9.843 ppbv
RT: 14.410 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 95 Resp: 238243
Ion Ratio Lower Upper
95 100
174 69.2 53.8 80.8
175 5.0 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.139 ppbv m
RT: 16.764 min Scan# 4347
Delta R.T. 0.003 min
Lab File: VL039365.D
Acq: 27 Jun 2022 19:03

Tgt Ion:105 Resp: 54527
Ion Ratio Lower Upper
105 100
120 38.4 38.1 57.1
91 21.0 47.4 71.0#
77 22.3 19.5 29.3

