

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072522\
 Data File : VL039531.D
 Acq On : 26 Jul 2022 00:51
 Operator : SY/AP
 Sample : N3842-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 08:09:29 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1041033	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	2874165	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	2446544	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1870006	10.303	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	33626	0.224	ppbv	91
3) Chlorodifluoromethane	2.996	51	62312m	0.472	ppbv	
4) Chloromethane	3.147	50	40944	0.567	ppbv	88
9) Propene	3.025	41	53369	0.895	ppbv #	82
11) Trichlorofluoromethane	3.957	101	41491	0.248	ppbv	97
13) Ethanol	3.600	45	287831	83.176	ppbv	76
15) Acetone	3.851	43	1811846	14.711	ppbv	98
19) Isopropyl Alcohol	3.964	45	2008334	30.571	ppbv #	94
20) Methylene Chloride	4.349	84	370284	7.543	ppbv	94
26) Hexane	5.690	57	271410m	2.666	ppbv	
34) 2-Butanone	5.250	43	143404	0.991	ppbv	99
35) Carbon Tetrachloride	7.018	117	9677m	0.054	ppbv	
36) Benzene	6.890	78	43706m	0.196	ppbv	
53) Toluene	9.809	91	146833	0.572	ppbv	97
60) o-Xylene	13.690	91	31222	0.118	ppbv	98
74) 1,2,4-Trimethylbenzene	16.764	105	53642	0.170	ppbv #	70

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

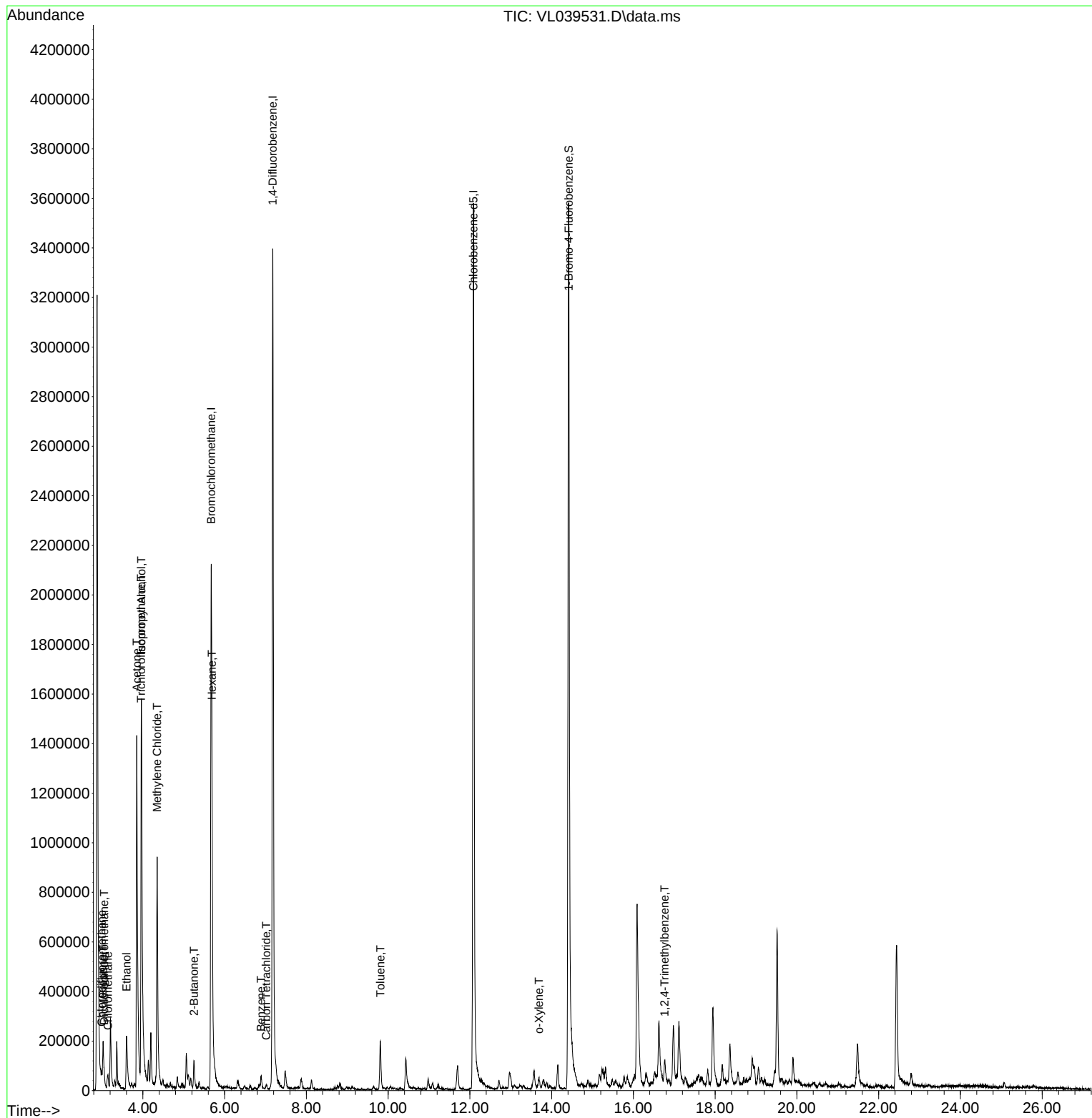
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072522\
Data File : VL039531.D
Acq On : 26 Jul 2022 00:51
Operator : SY/AP
Sample : N3842-03
Misc : 400mL/MSVOA_L
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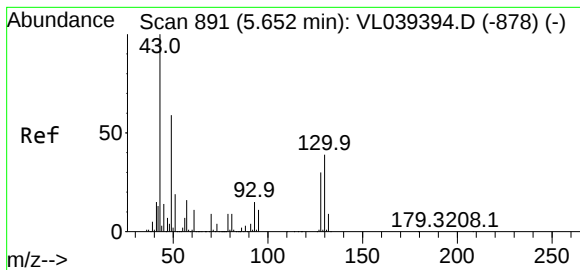
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jul 26 08:09:29 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

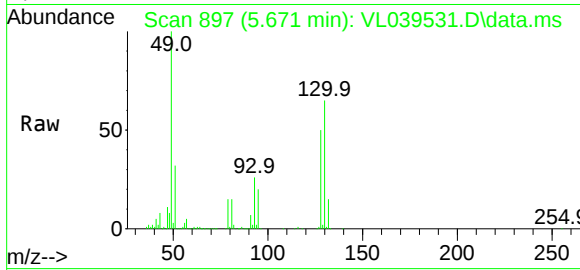
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 891
Delta R.T. 0.019 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

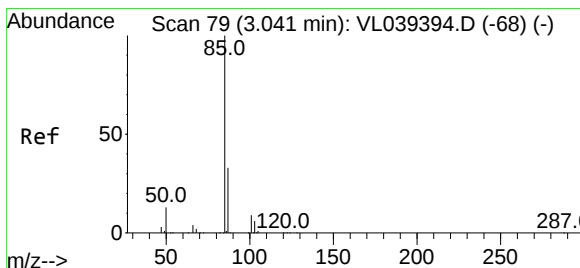
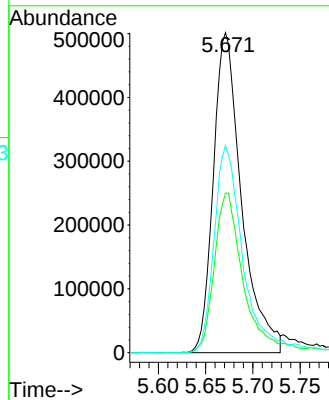
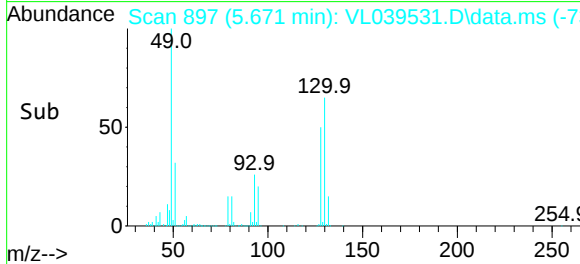
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 104103
Ion Ratio Lower Upper
49 100
128 53.6 26.7 80.0
130 69.2 34.3 102.8

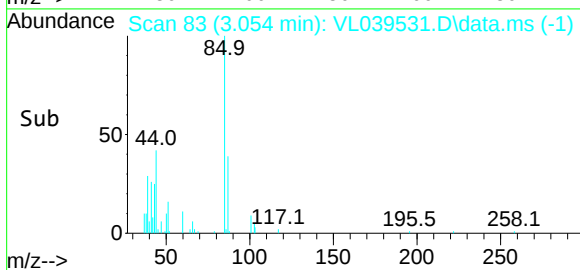
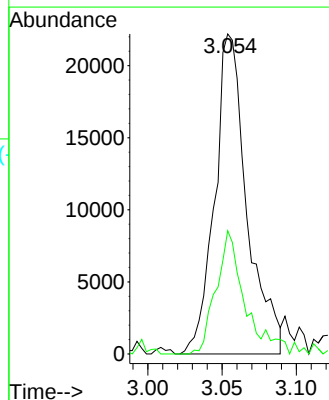
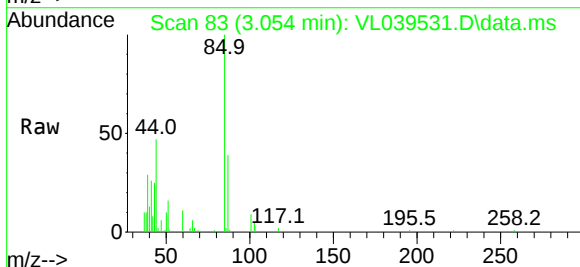
Manual Integrations
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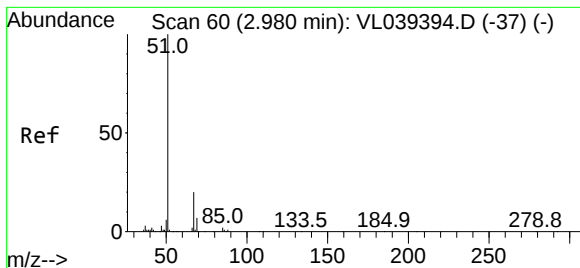
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#2
Dichlorodifluoromethane
Concen: 0.224 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

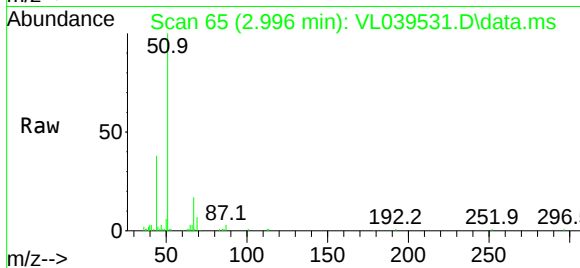
Tgt Ion: 85 Resp: 33626
Ion Ratio Lower Upper
85 100
87 38.5 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.472 ppbv m
RT: 2.996 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

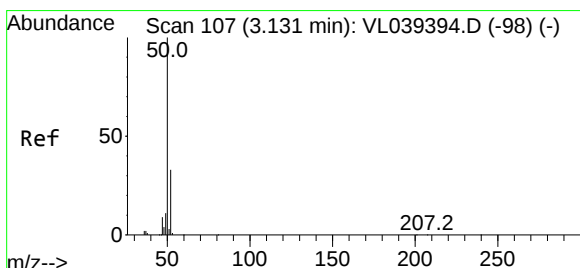
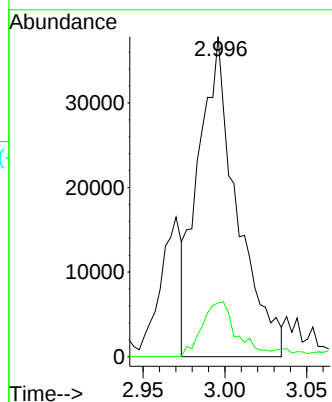
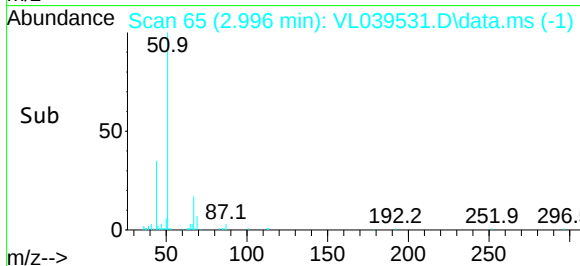
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 51 Resp: 62312
Ion Ratio Lower Upper
51 100
67 18.2 15.7 23.5

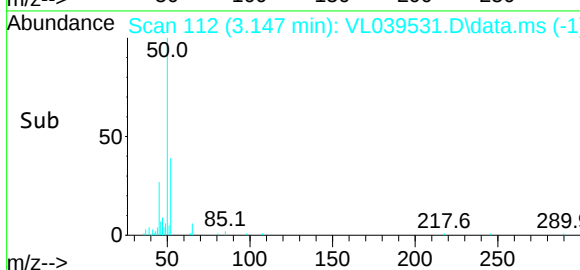
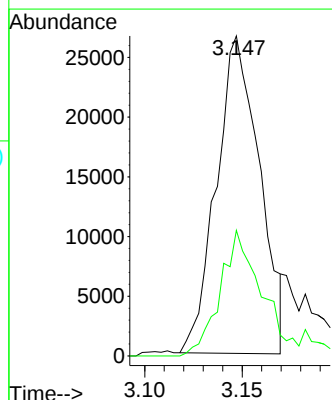
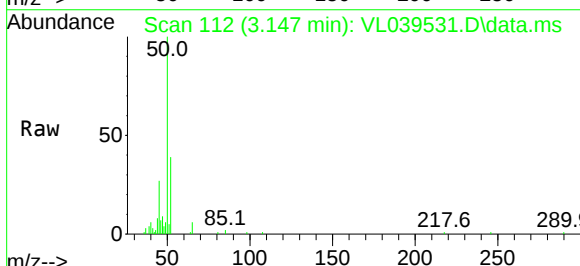
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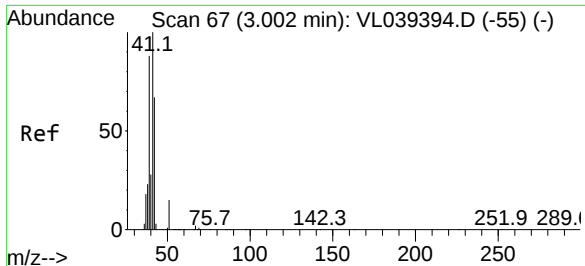
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#4
Chloromethane
Concen: 0.567 ppbv
RT: 3.147 min Scan# 112
Delta R.T. 0.016 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

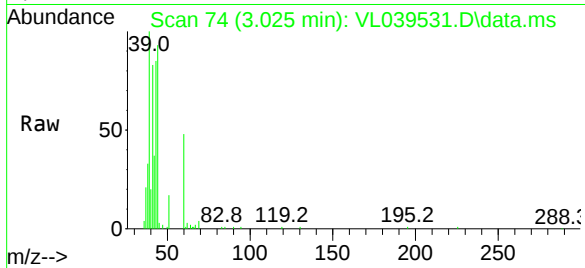
Tgt Ion: 50 Resp: 40944
Ion Ratio Lower Upper
50 100
52 39.7 26.5 39.7





#9
 Propene
 Concen: 0.895 ppbv
 RT: 3.025 min Scan# 74
 Delta R.T. 0.022 min
 Lab File: VL039531.D
 Acq: 26 Jul 2022 00:51

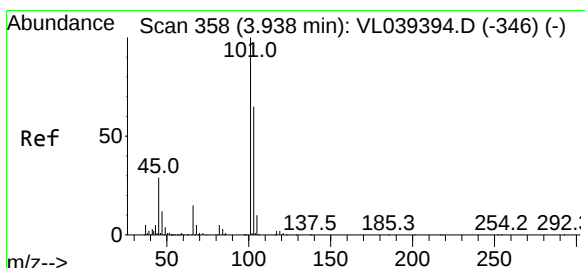
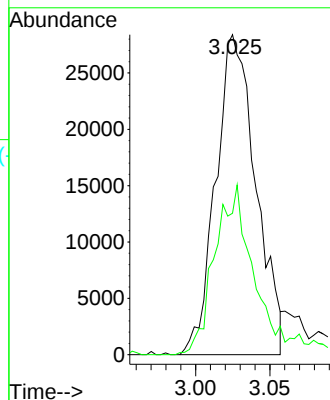
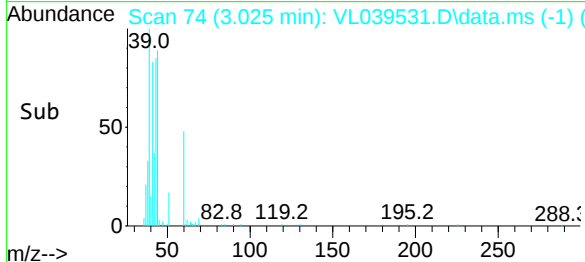
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



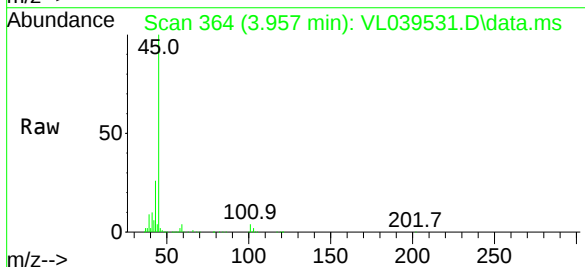
Tgt Ion: 41 Resp: 53369
 Ion Ratio Lower Upper
 41 100
 42 54.0 55.2 82.8

Manual Integrations
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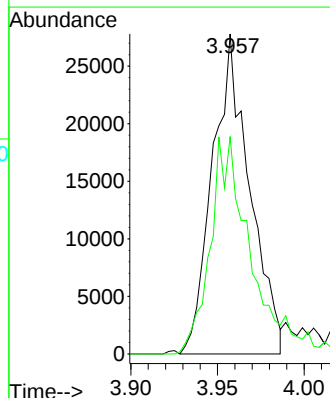
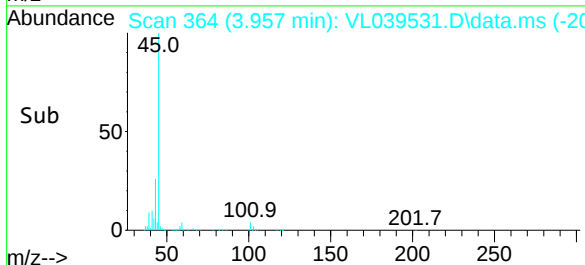
Reviewed By :Semsettin Yesilyurt 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

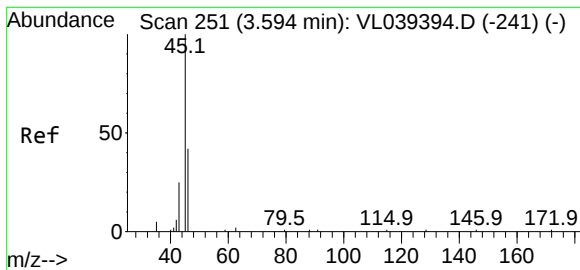


#11
 Trichlorofluoromethane
 Concen: 0.248 ppbv
 RT: 3.957 min Scan# 364
 Delta R.T. 0.019 min
 Lab File: VL039531.D
 Acq: 26 Jul 2022 00:51



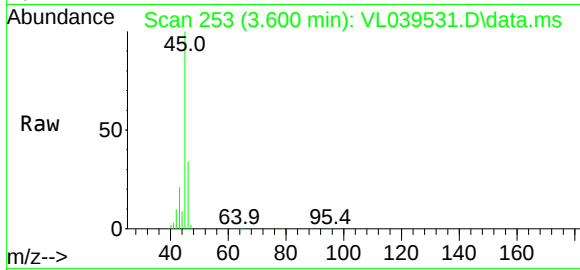
Tgt Ion:101 Resp: 41491
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.8 77.8





#13
Ethanol
Concen: 83.176 ppbv
RT: 3.600 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

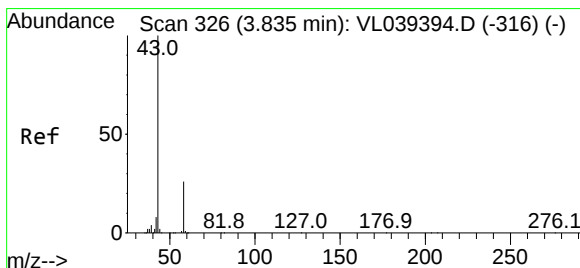
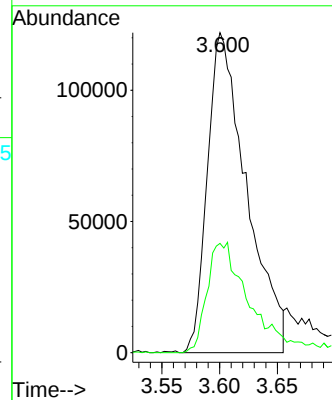
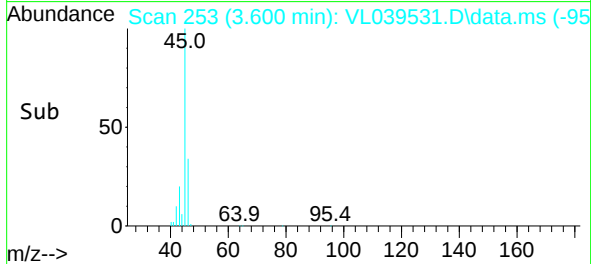
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 45 Resp: 28783
Ion Ratio Lower Upper
45 100
46 39.1 22.8 91.2

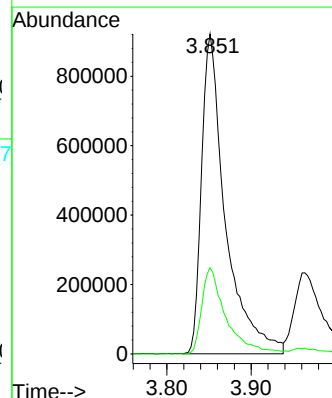
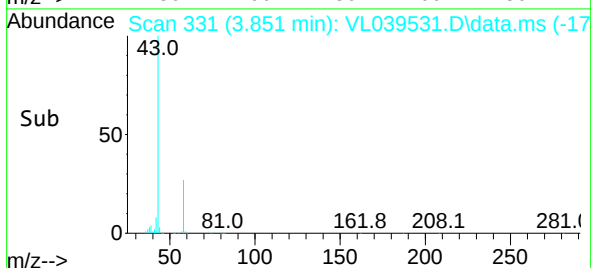
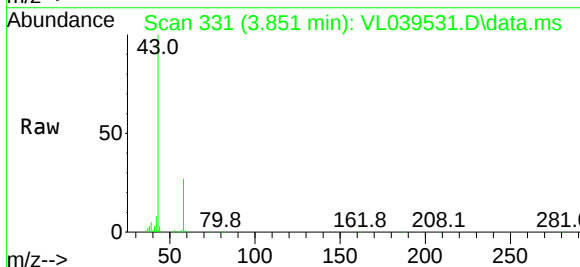
Manual Integrations
APPROVED

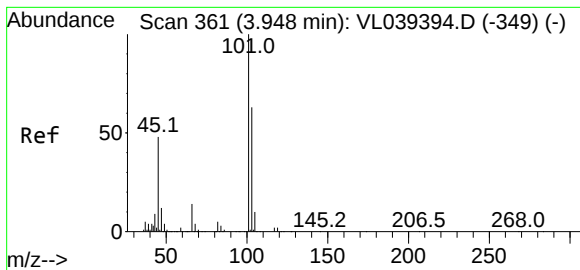
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#15
Acetone
Concen: 14.711 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.016 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

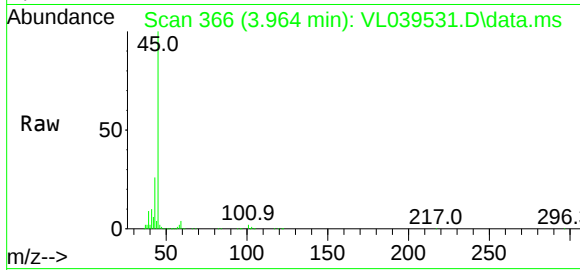
Tgt Ion: 43 Resp: 1811846
Ion Ratio Lower Upper
43 100
58 27.6 21.0 31.6





#19
Isopropyl Alcohol
Concen: 30.571 ppbv
RT: 3.964 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

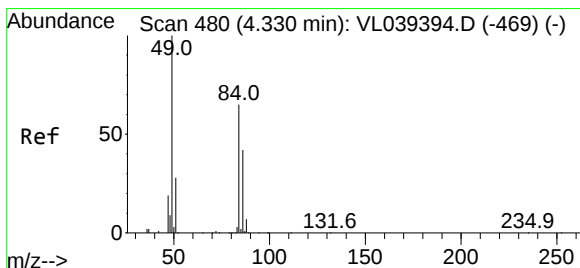
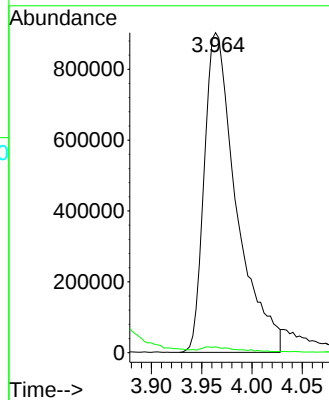
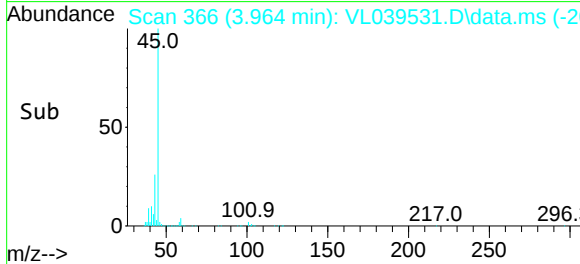
Instrument :
MSVOA_L
ClientSampleId :
OA1



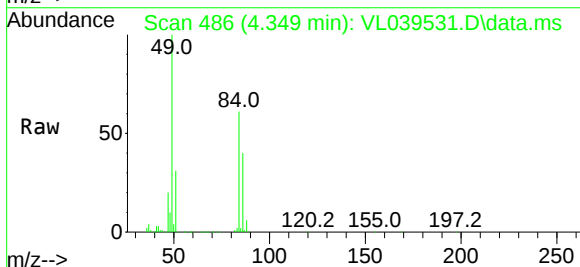
Tgt Ion: 45 Resp: 2008334
Ion Ratio Lower Upper
45 100
58 2.1 3.2 4.8

Manual Integrations
APPROVED

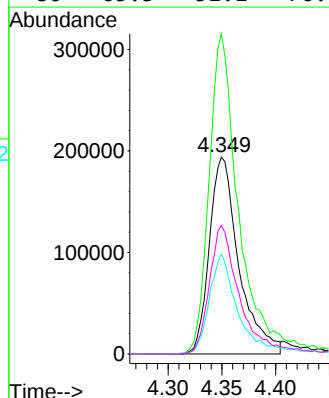
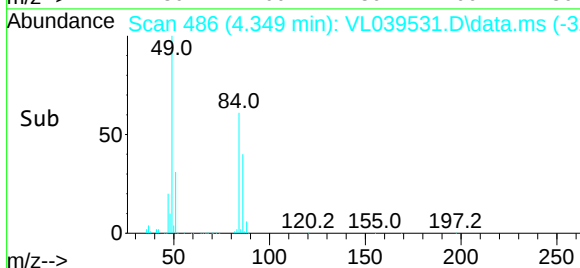
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Supervised By :Mahesh Dadoda 07/26/2022

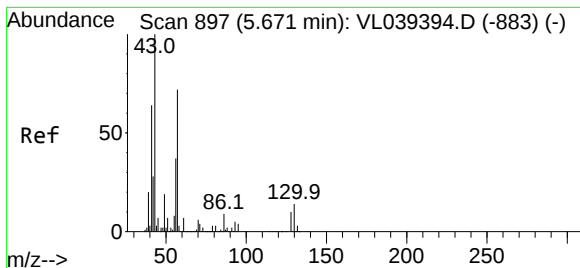


#20
Methylene Chloride
Concen: 7.543 ppbv
RT: 4.349 min Scan# 486
Delta R.T. 0.019 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51



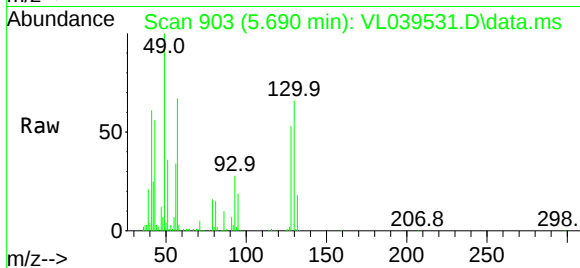
Tgt Ion: 84 Resp: 370284
Ion Ratio Lower Upper
84 100
49 162.2 123.1 184.7
51 50.6 34.4 51.6
86 65.3 51.1 76.7





#26
Hexane
Concen: 2.666 ppbv m
RT: 5.690 min Scan# 90
Delta R.T. 0.019 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

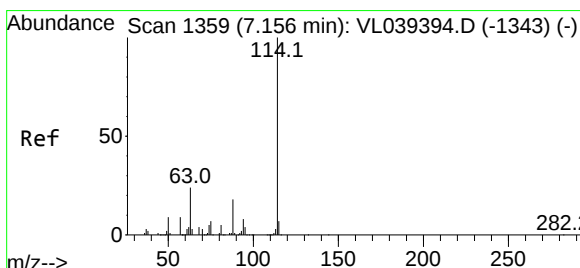
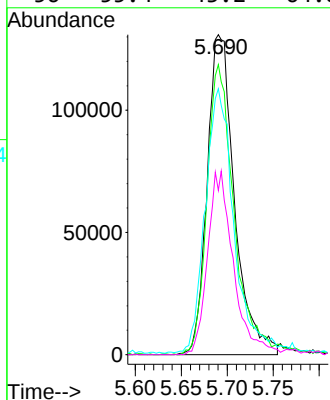
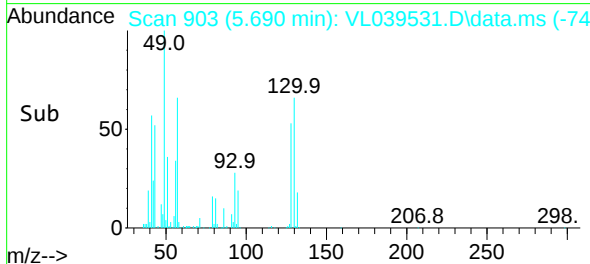
Instrument :
MSVOA_L
ClientSampleId :
OA1



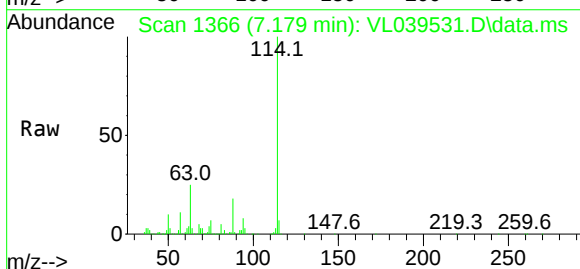
Tgt Ion: 57 Resp: 271410
Ion Ratio Lower Upper
57 100
41 92.0 76.9 115.3
43 88.4 191.0 286.6
56 55.4 43.2 64.8

Manual Integrations
APPROVED

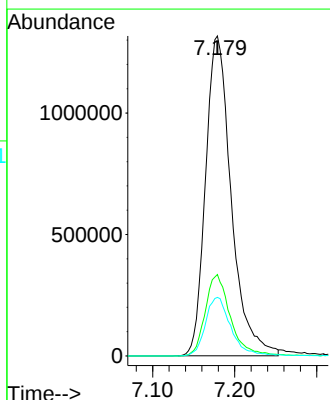
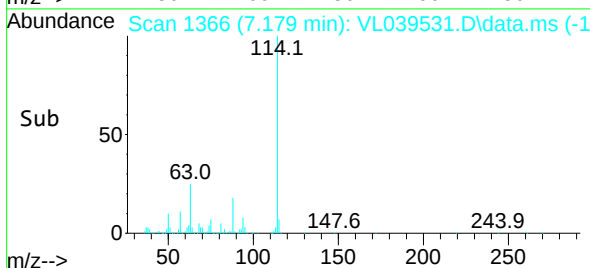
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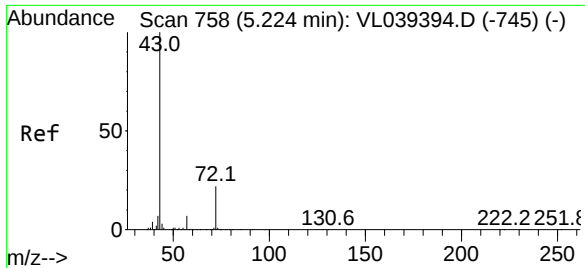


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.022 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51



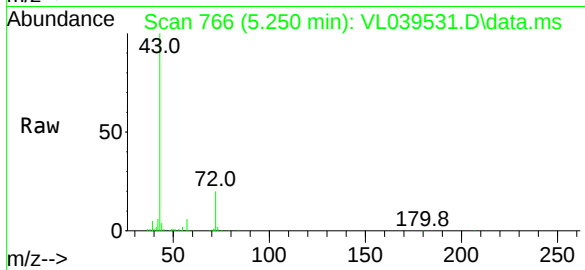
Tgt Ion:114 Resp: 2874165
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.4
88 18.6 14.5 21.7





#34
2-Butanone
Concen: 0.991 ppbv
RT: 5.250 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

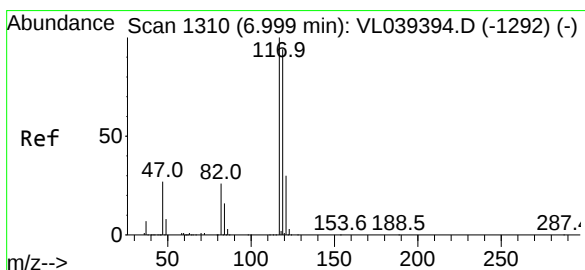
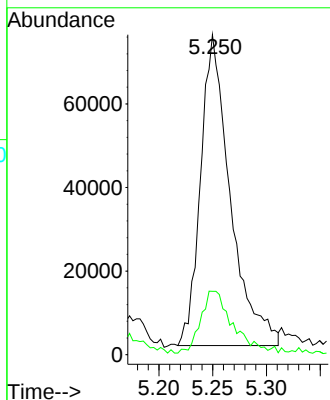
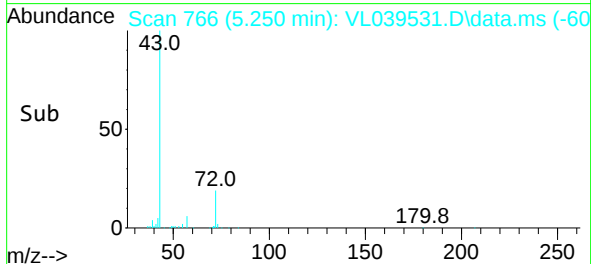
Instrument :
MSVOA_L
ClientSampleId :
OA1



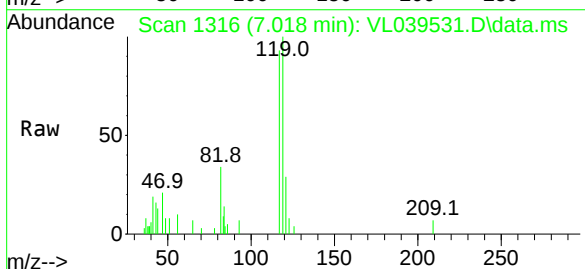
Tgt Ion: 43 Resp: 143404
Ion Ratio Lower Upper
43 100
72 23.1 17.9 26.9

Manual Integrations
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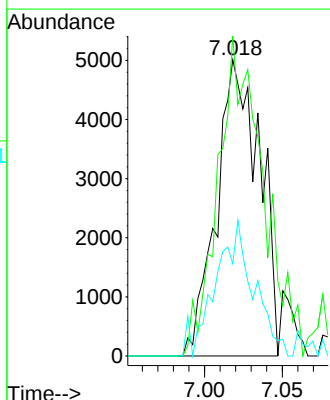
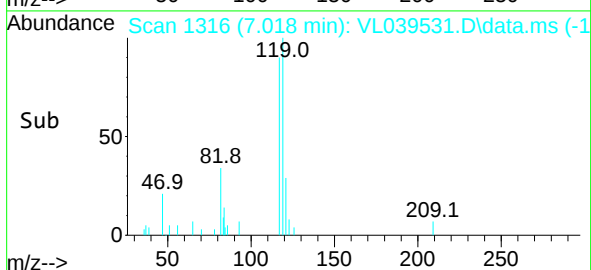
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

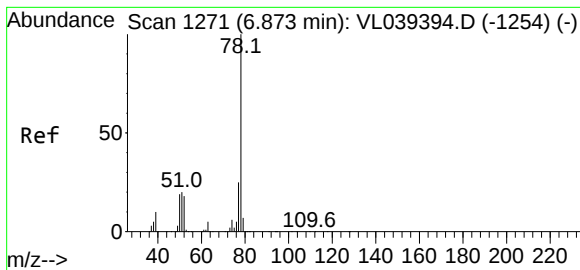


#35
Carbon Tetrachloride
Concen: 0.054 ppbv m
RT: 7.018 min Scan# 1316
Delta R.T. 0.019 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51



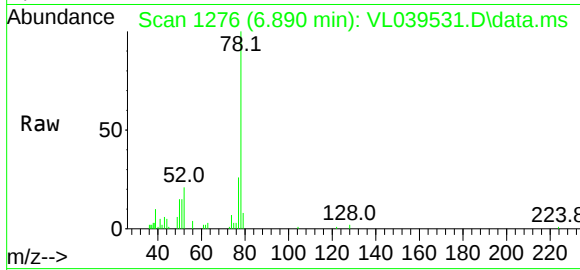
Tgt Ion:117 Resp: 9677
Ion Ratio Lower Upper
117 100
119 108.1 75.4 113.2
121 31.2 24.2 36.2





#36
Benzene
Concen: 0.196 ppbv m
RT: 6.890 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

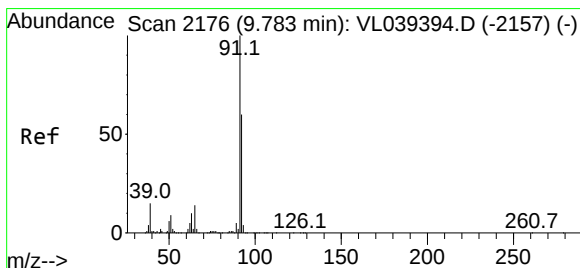
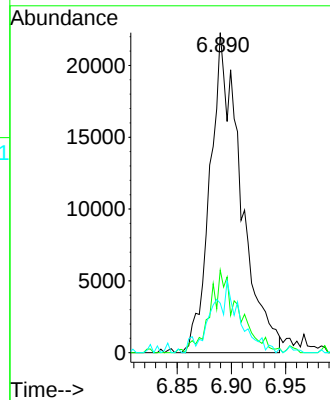
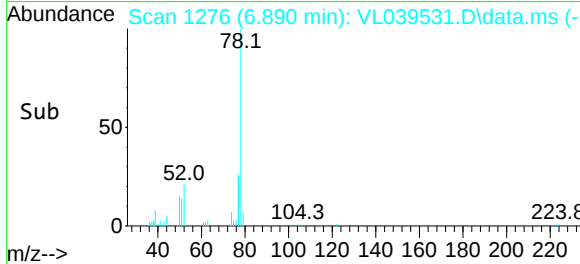
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 78 Resp: 43700
Ion Ratio Lower Upper
78 100
77 25.8 20.3 30.5
50 15.4 15.5 23.3

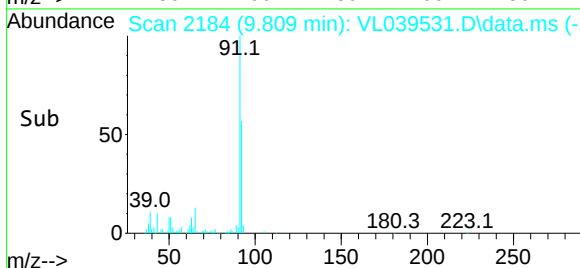
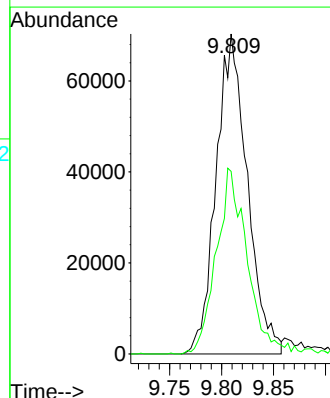
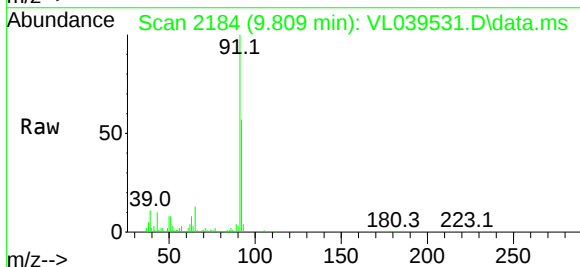
Manual Integrations
APPROVED

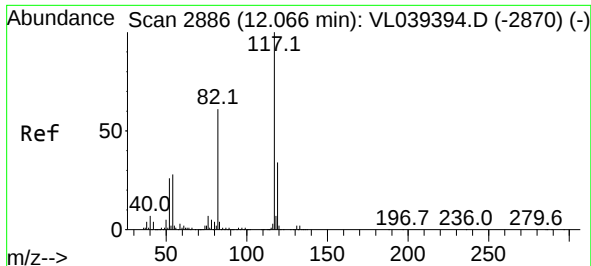
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#53
Toluene
Concen: 0.572 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. 0.026 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

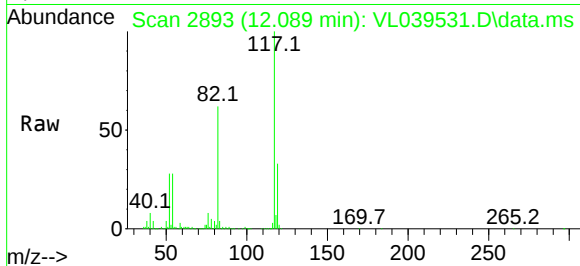
Tgt Ion: 91 Resp: 146833
Ion Ratio Lower Upper
91 100
92 58.2 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

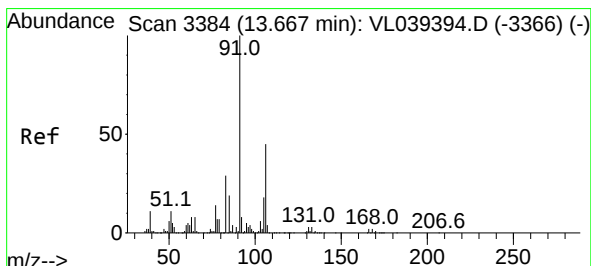
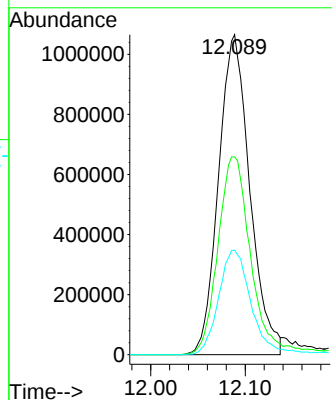
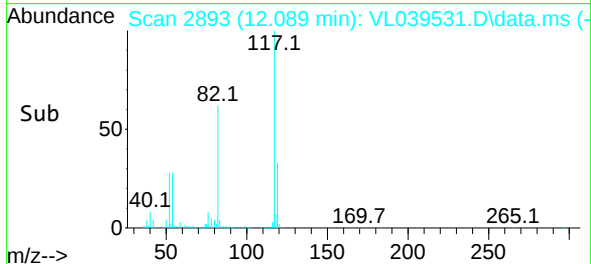
Instrument :
MSVOA_L
ClientSampleId :
OA1



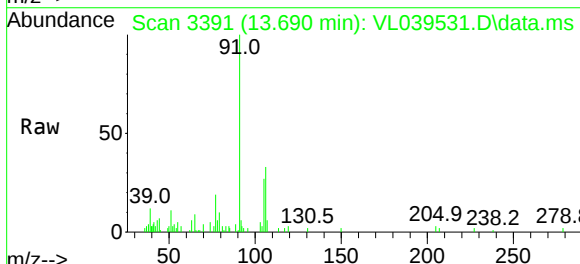
Tgt Ion: 117 Resp: 2446544
Ion Ratio Lower Upper
117 100
82 67.4 50.8 76.2
119 35.0 24.1 36.1

Manual Integrations
APPROVED

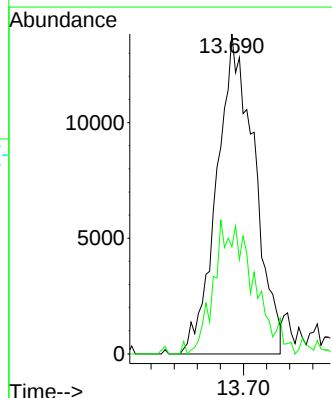
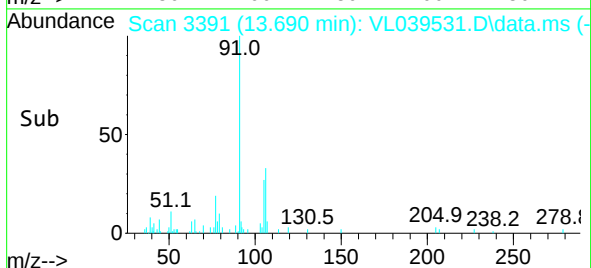
Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022

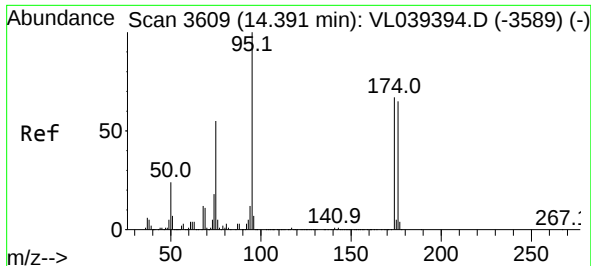


#60
o-Xylene
Concen: 0.118 ppbv
RT: 13.690 min Scan# 3391
Delta R.T. 0.022 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51



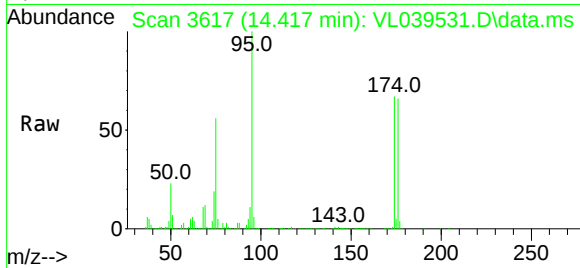
Tgt Ion: 91 Resp: 31222
Ion Ratio Lower Upper
91 100
106 46.1 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 10.303 ppbv
RT: 14.417 min Scan# 3609
Delta R.T. 0.026 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51

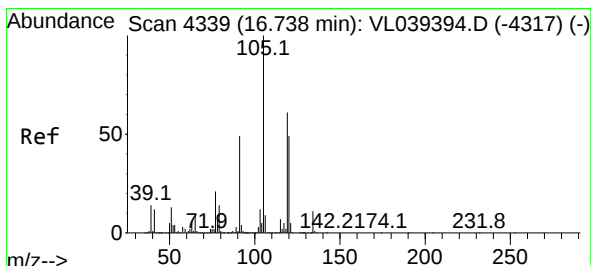
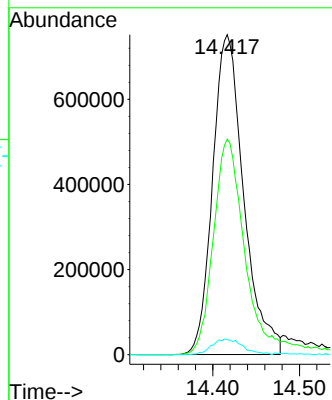
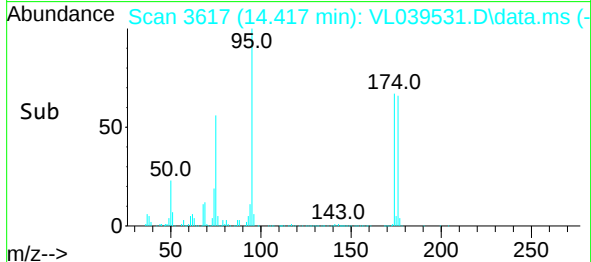
Instrument :
MSVOA_L
ClientSampleId :
OA1



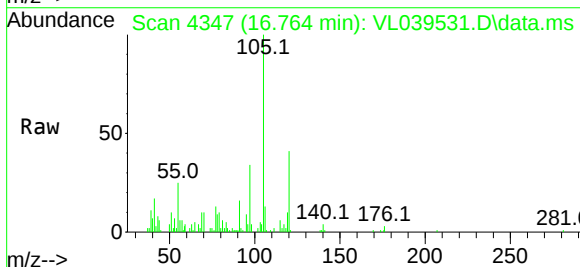
Tgt Ion: 95 Resp: 187000
Ion Ratio Lower Upper
95 100
174 72.5 55.9 83.9
175 4.9 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2022
Supervised By :Mahesh Dadoda 07/26/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.170 ppbv
RT: 16.764 min Scan# 4347
Delta R.T. 0.026 min
Lab File: VL039531.D
Acq: 26 Jul 2022 00:51



Tgt Ion:105 Resp: 53642
Ion Ratio Lower Upper
105 100
120 40.8 39.5 59.3
91 14.8 39.2 58.8#
77 10.3 17.2 25.8#

