

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039487.D
 Acq On : 19 Jul 2022 18:15
 Operator : SY/AP
 Sample : N3750-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 05:41:00 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	5.681	49	1265096	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	3599580	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.102	117	3291048	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2485716	10.181	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
9) Propene	3.025	41	279503	3.856	ppbv	85
10) Heptane	8.137	43	49220	0.290	ppbv #	85
13) Ethanol	3.616	45	23770	5.652	ppbv	100
15) Acetone	3.861	43	1277034	8.532	ppbv	95
17) tert-Butyl alcohol	4.301	59	299379	2.357	ppbv #	84
20) Methylene Chloride	4.356	84	525949	8.816	ppbv	92
26) Hexane	5.700	57	1506682	12.179	ppbv #	36
28) Methyl tert-Butyl Ether	5.054	73	120036	0.908	ppbv	98
29) Chloroform	5.764	83	16280913	75.686	ppbv	84
34) 2-Butanone	5.259	43	133083m	0.734	ppbv	
35) Carbon Tetrachloride	7.034	117	7508m	0.034	ppbv	
36) Benzene	6.906	78	52940m	0.190	ppbv	
52) Tetrachloroethene	11.243	164	16724m	0.149	ppbv	
53) Toluene	9.822	91	128917	0.401	ppbv	99
59) m/p-Xylene	12.979	91	67876m	0.181	ppbv	
74) 1,2,4-Trimethylbenzene	16.780	105	99090	0.234	ppbv #	64

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

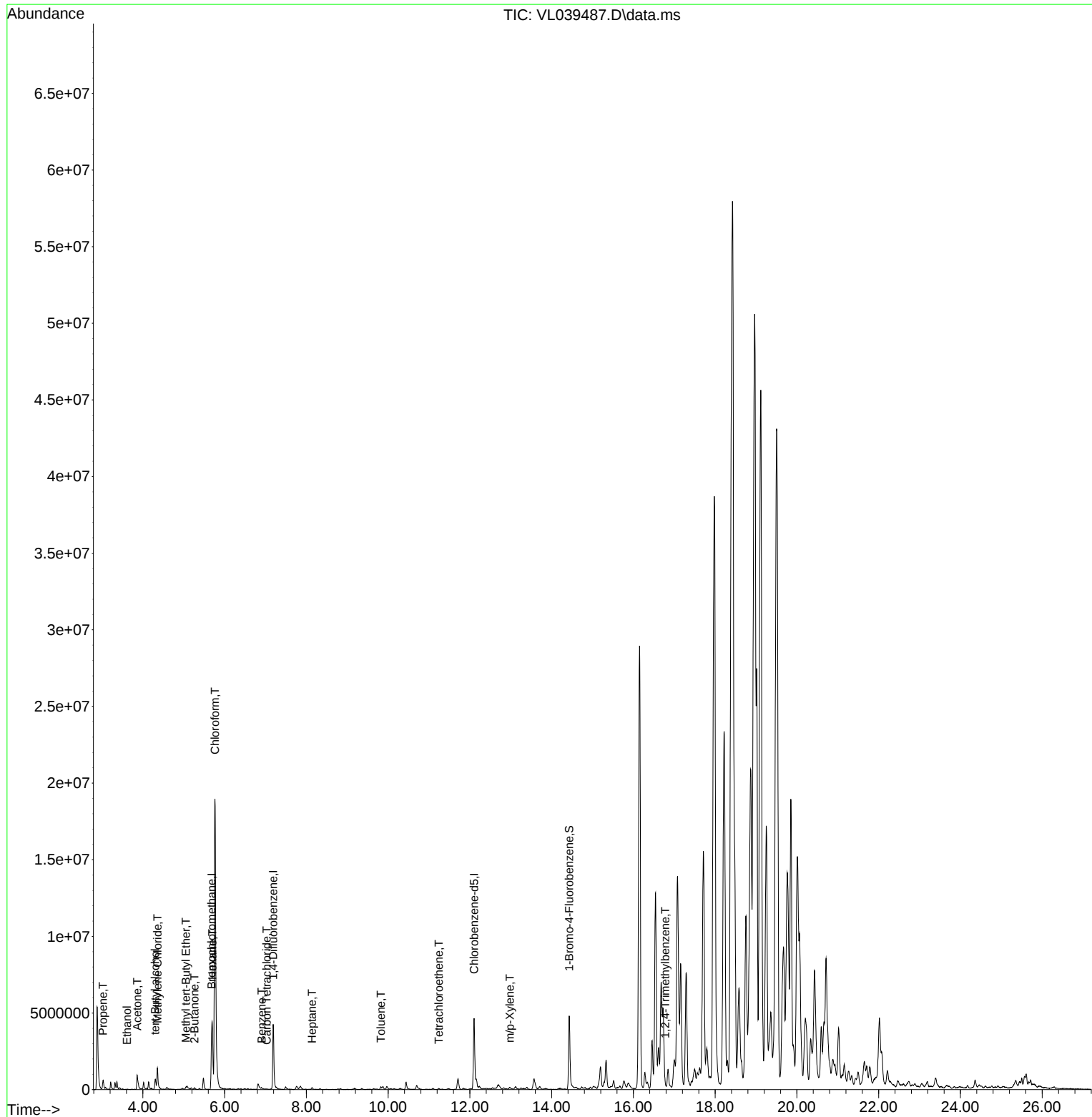
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039487.D
Acq On : 19 Jul 2022 18:15
Operator : SY/AP
Sample : N3750-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

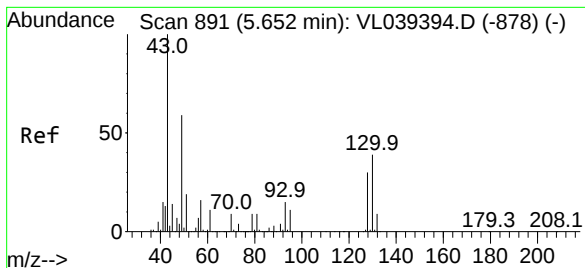
Instrument :
MSVOA_L
ClientSampleId :
SV-2

Quant Time: Jul 20 05:41:00 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

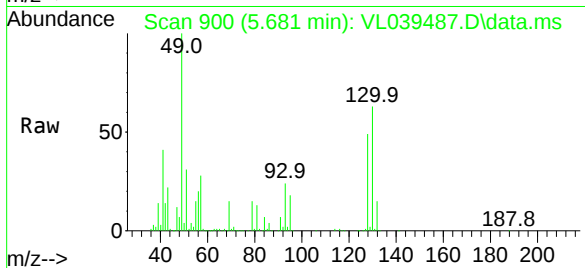
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.029 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

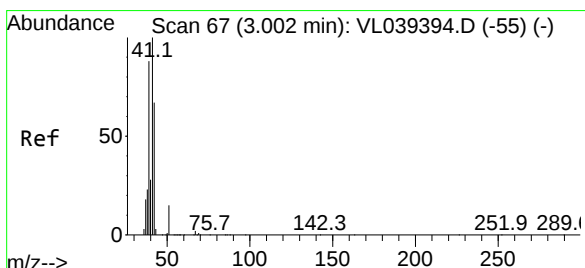
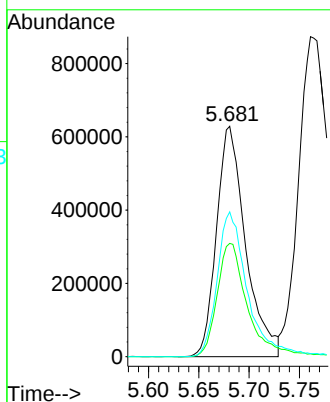
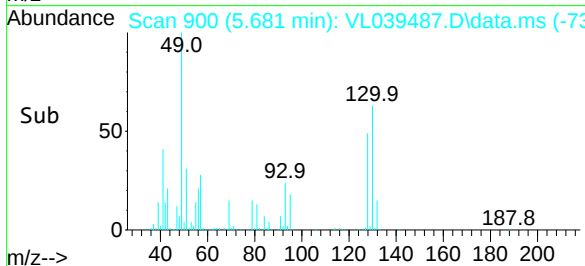
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 49 Resp: 1265090
Ion Ratio Lower Upper
49 100
128 52.2 26.7 80.0
130 67.6 34.3 102.8

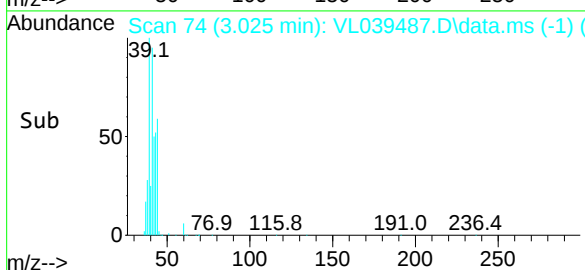
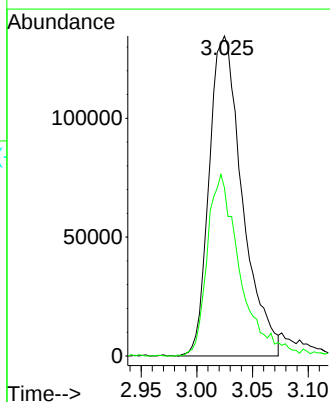
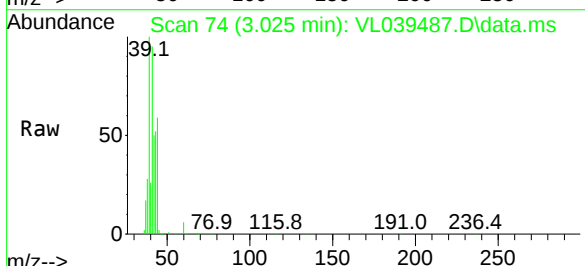
Manual Integrations
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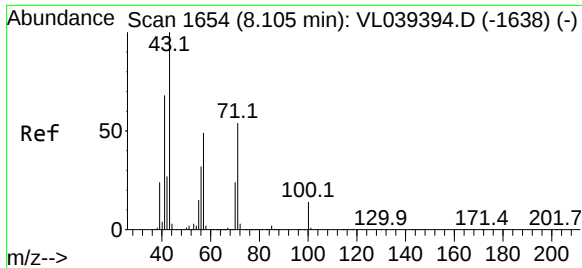
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#9
Propene
Concen: 3.856 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.023 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

Tgt Ion: 41 Resp: 279503
Ion Ratio Lower Upper
41 100
42 57.0 55.2 82.8





#10

Heptane

Concen: 0.290 ppbv

RT: 8.137 min Scan# 1

Delta R.T. 0.032 min

Lab File: VL039487.D

Acq: 19 Jul 2022 18:15

Instrument :

MSVOA_L

ClientSampleId :

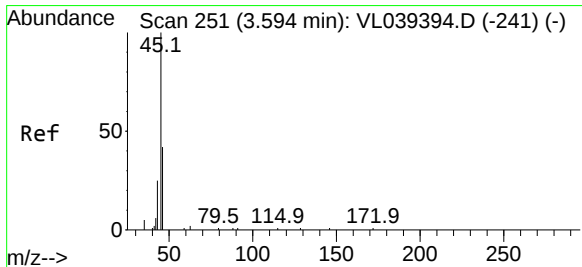
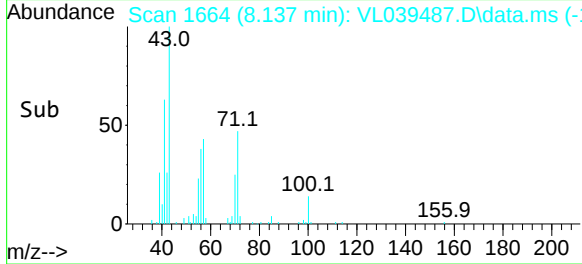
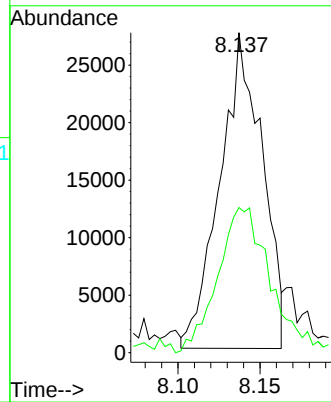
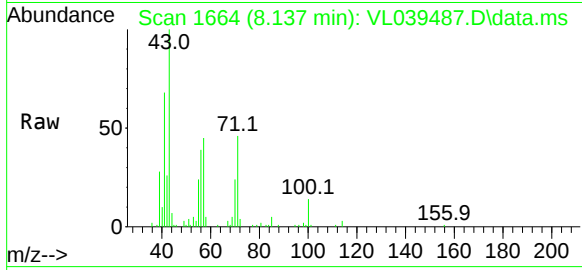
SV-2

Tgt Ion: 43 Resp: 49220
 Ion Ratio Lower Upper
 43 100
 57 61.1 40.5 60.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#13

Ethanol

Concen: 5.652 ppbv

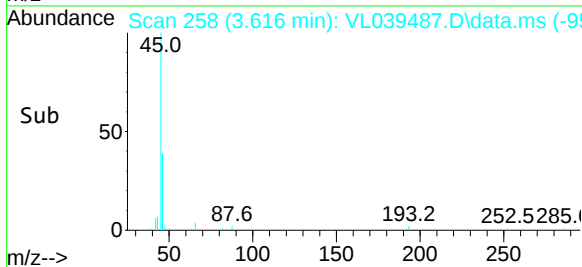
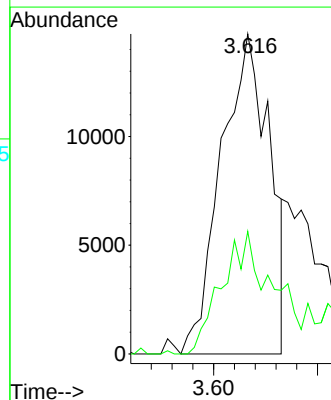
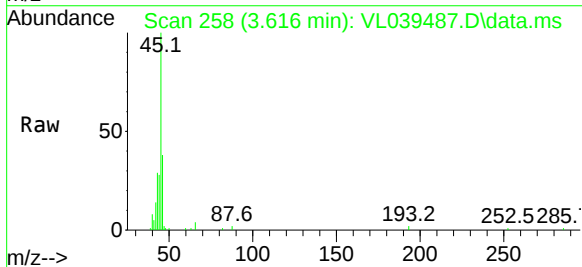
RT: 3.616 min Scan# 258

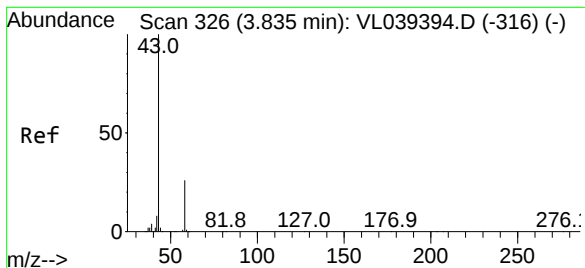
Delta R.T. 0.023 min

Lab File: VL039487.D

Acq: 19 Jul 2022 18:15

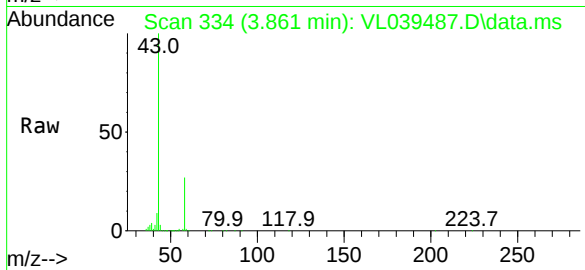
Tgt Ion: 45 Resp: 23770
 Ion Ratio Lower Upper
 45 100
 46 57.2 22.8 91.2





#15
Acetone
Concen: 8.532 ppbv
RT: 3.861 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

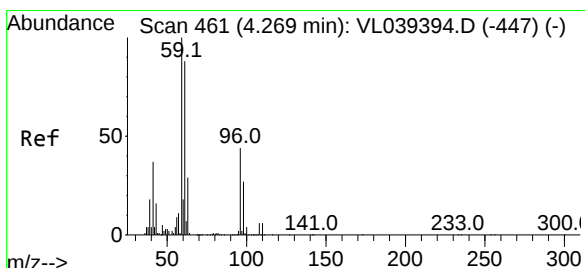
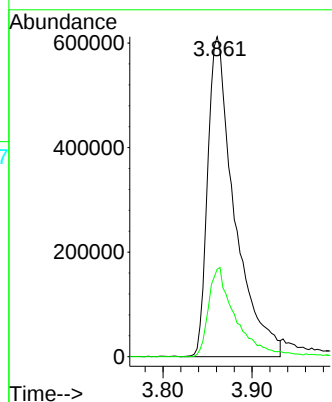
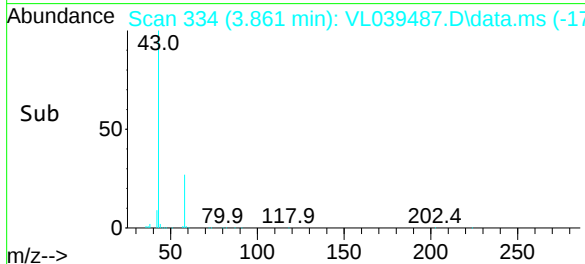
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 43 Resp: 1277034
Ion Ratio Lower Upper
43 100
58 28.9 21.0 31.6

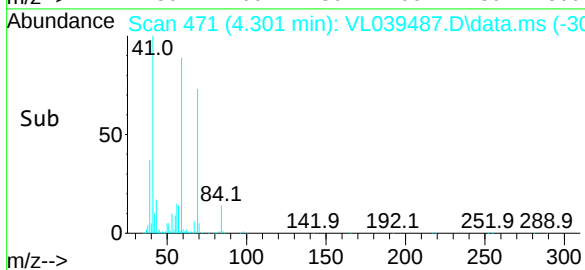
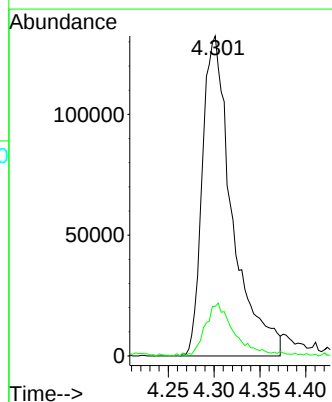
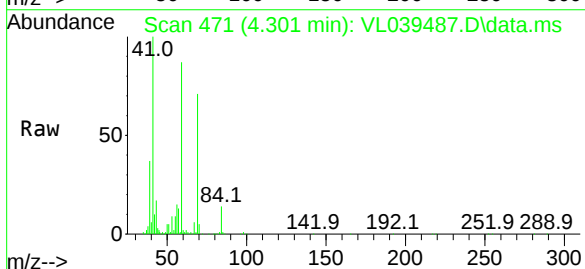
Manual Integrations
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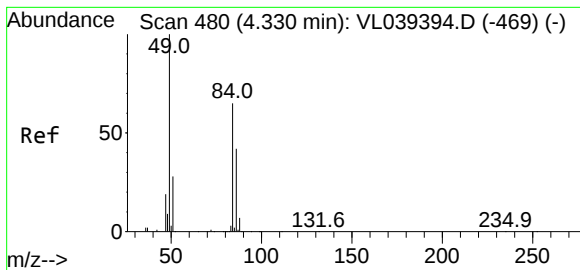
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#17
tert-Butyl alcohol
Concen: 2.357 ppbv
RT: 4.301 min Scan# 471
Delta R.T. 0.032 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

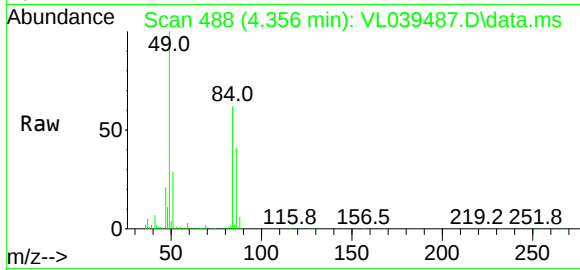
Tgt Ion: 59 Resp: 299379
Ion Ratio Lower Upper
59 100
57 16.9 8.7 13.1#





#20
Methylene Chloride
Concen: 8.816 ppbv
RT: 4.356 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

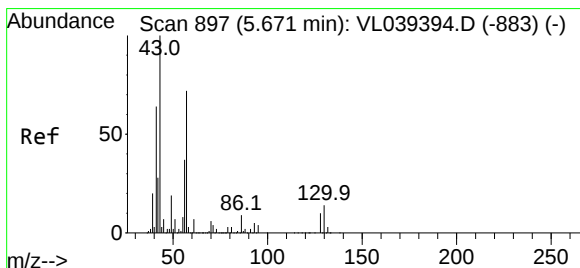
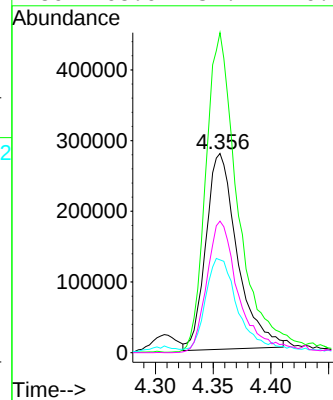
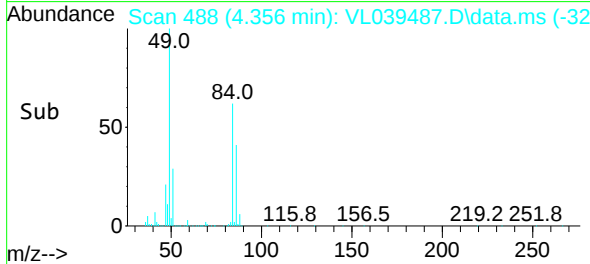
Instrument :
MSVOA_L
ClientSampleId :
SV-2



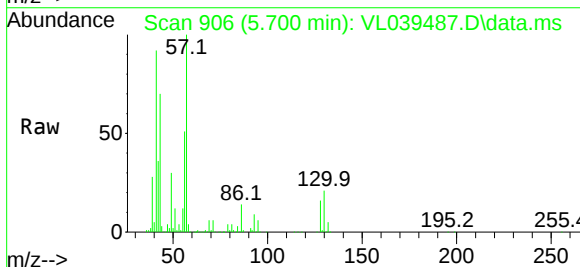
Tgt Ion: 84 Resp: 525949
Ion Ratio Lower Upper
84 100
49 166.4 123.1 184.7
51 46.8 34.4 51.6
86 68.6 51.1 76.7

Manual Integrations
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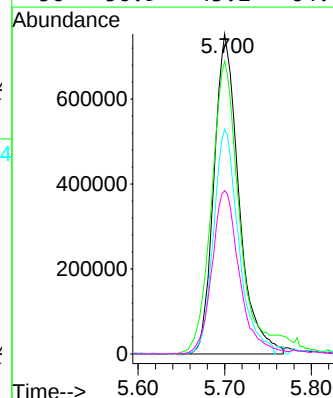
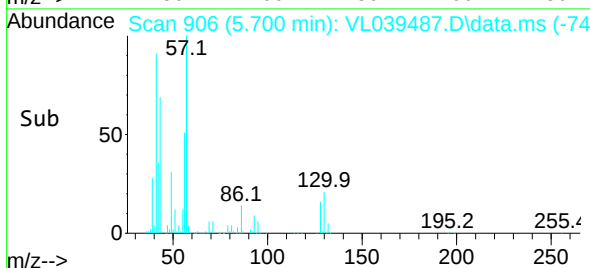
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

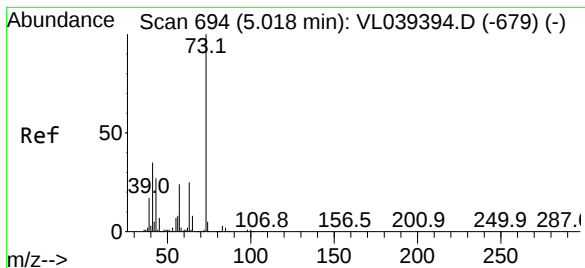


#26
Hexane
Concen: 12.179 ppbv
RT: 5.700 min Scan# 906
Delta R.T. 0.029 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15



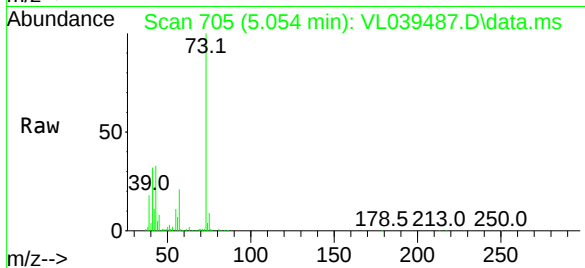
Tgt Ion: 57 Resp: 1506682
Ion Ratio Lower Upper
57 100
41 106.7 76.9 115.3
43 70.9 191.0 286.6#
56 56.9 43.2 64.8





#28
Methyl tert-Butyl Ether
Concen: 0.908 ppbv
RT: 5.054 min Scan# 705
Delta R.T. 0.035 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

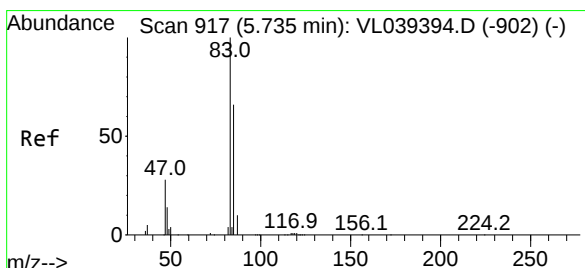
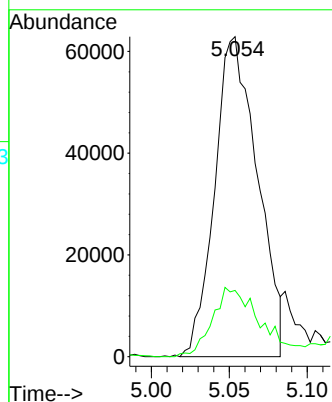
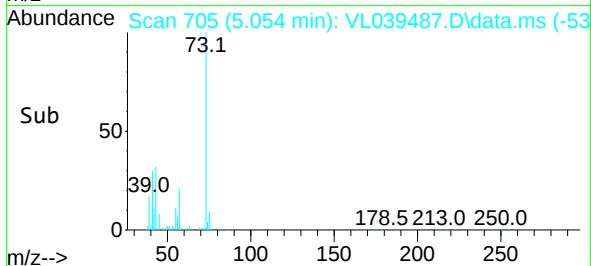
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 73 Resp: 120030
Ion Ratio Lower Upper
73 100
57 23.8 19.8 29.8

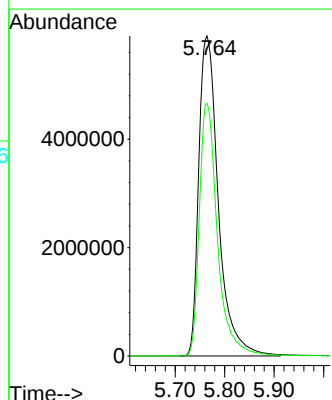
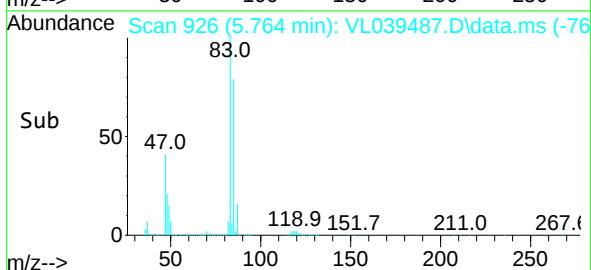
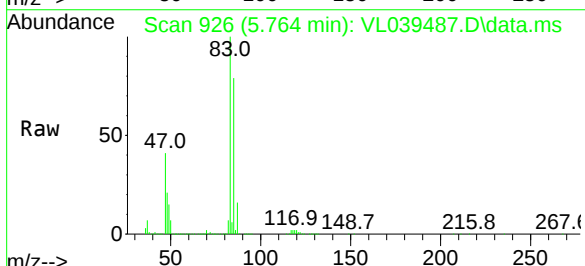
Manual Integrations
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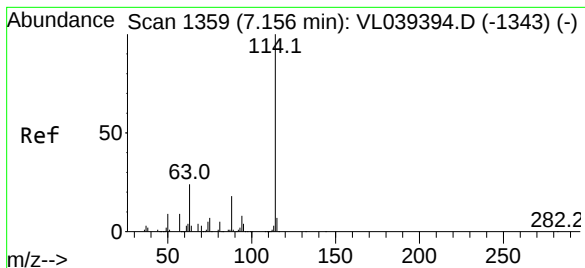
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#29
Chloroform
Concen: 75.686 ppbv
RT: 5.764 min Scan# 926
Delta R.T. 0.029 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

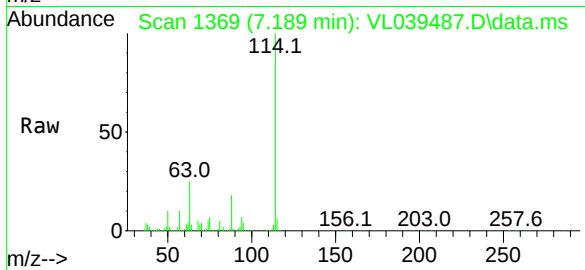
Tgt Ion: 83 Resp:16280913
Ion Ratio Lower Upper
83 100
85 78.9 52.8 79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.189 min Scan# 114
Delta R.T. 0.032 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

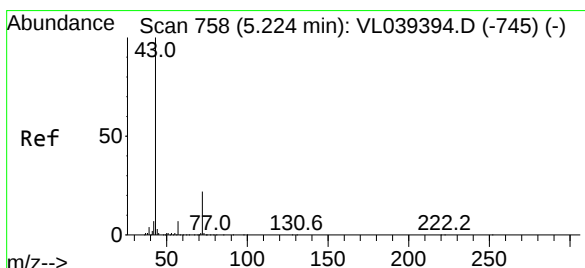
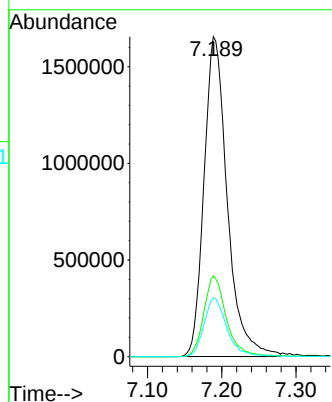
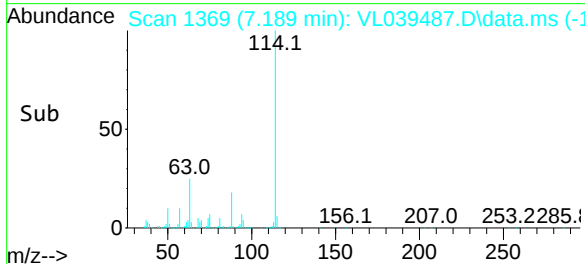
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion:114 Resp: 3599580
Ion Ratio Lower Upper
114 100
63 24.8 20.2 30.4
88 18.2 14.5 21.7

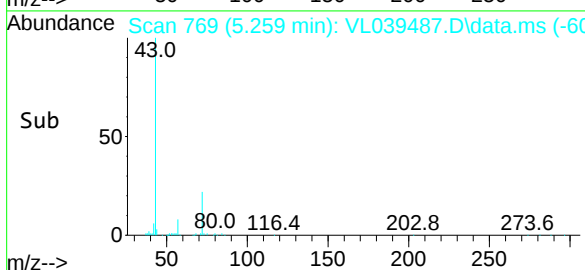
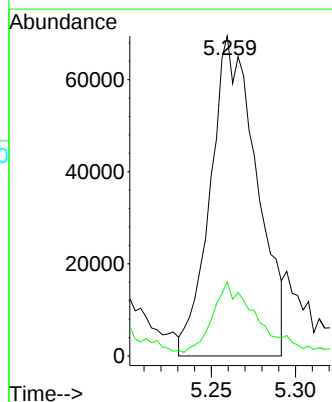
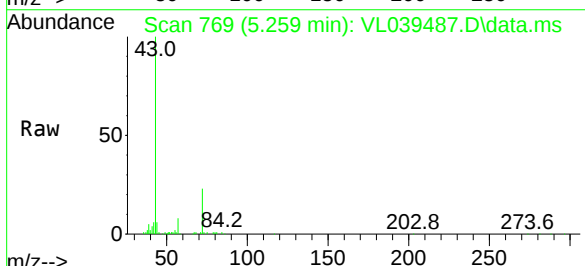
Manual Integrations
APPROVED

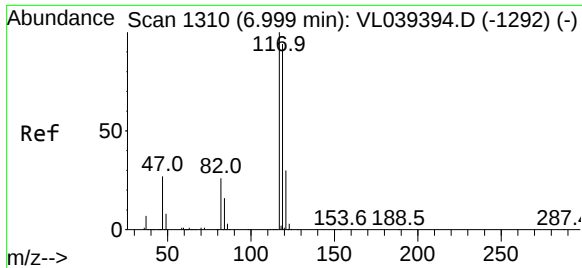
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#34
2-Butanone
Concen: 0.734 ppbv m
RT: 5.259 min Scan# 769
Delta R.T. 0.035 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

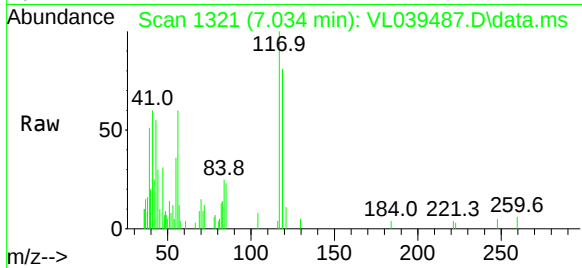
Tgt Ion: 43 Resp: 133083
Ion Ratio Lower Upper
43 100
72 24.3 17.9 26.9





#35
Carbon Tetrachloride
Concen: 0.034 ppbv m
RT: 7.034 min Scan# 117
Delta R.T. 0.035 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

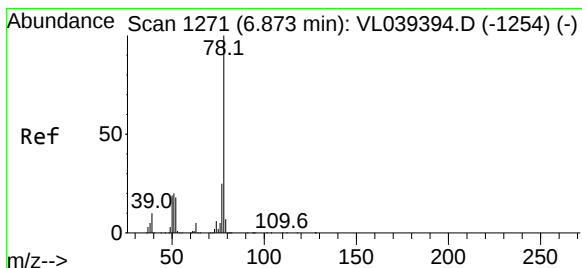
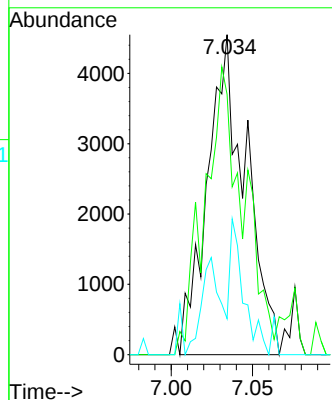
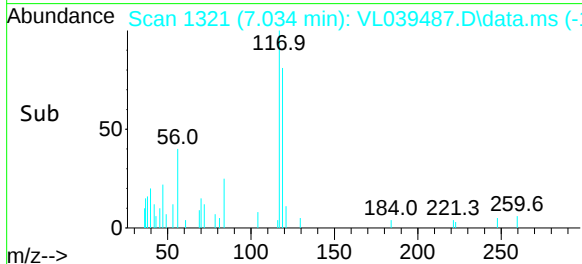
Instrument :
MSVOA_L
ClientSampleId :
SV-2



Tgt Ion: 117 Resp: 7500
Ion Ratio Lower Upper
117 100
119 81.4 75.4 113.2
121 11.3 24.2 36.2

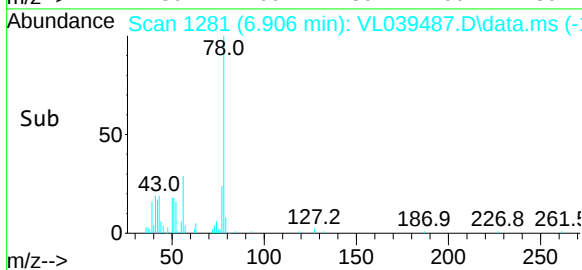
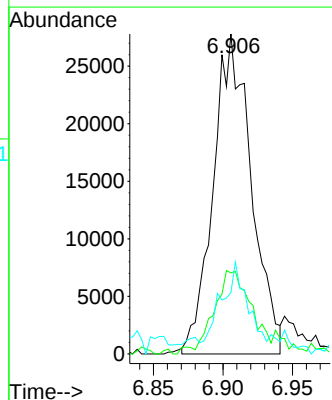
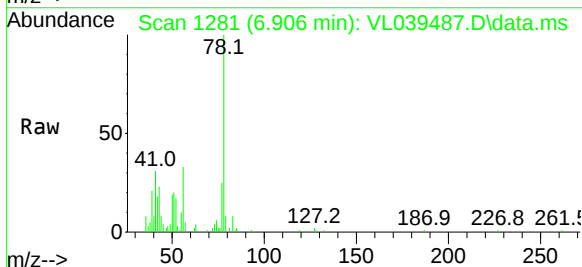
Manual Integrations
APPROVED

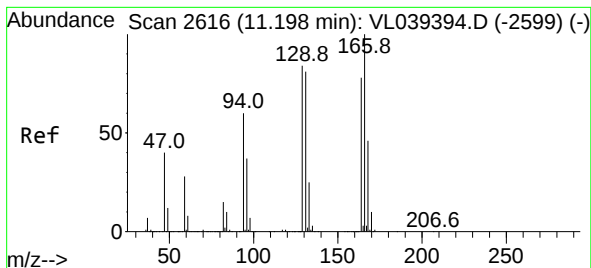
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#36
Benzene
Concen: 0.190 ppbv m
RT: 6.906 min Scan# 1281
Delta R.T. 0.032 min
Lab File: VL039487.D
Acq: 19 Jul 2022 18:15

Tgt Ion: 78 Resp: 52940
Ion Ratio Lower Upper
78 100
77 25.3 20.3 30.5
50 19.2 15.5 23.3





#52

Tetrachloroethene

Concen: 0.149 ppbv m

RT: 11.243 min Scan# 2

Delta R.T. 0.045 min

Lab File: VL039487.D

Acq: 19 Jul 2022 18:15

Instrument :

MSVOA_L

ClientSampleId :

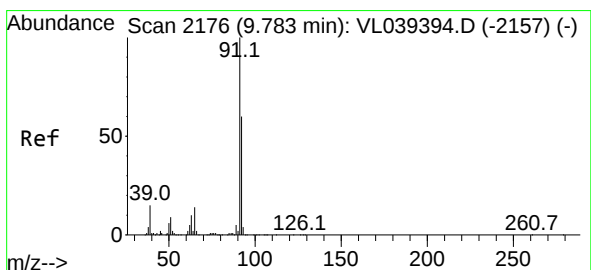
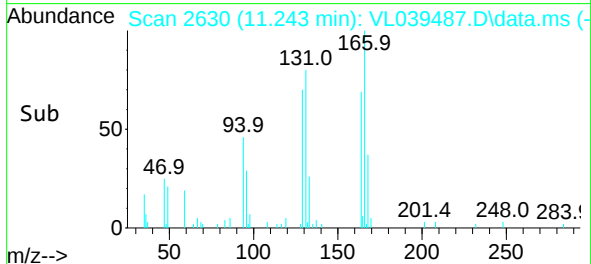
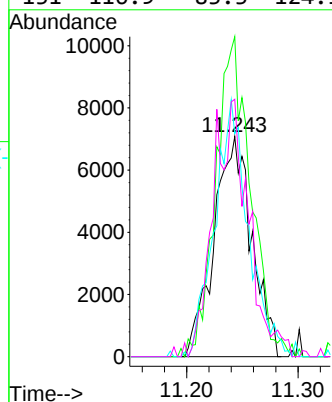
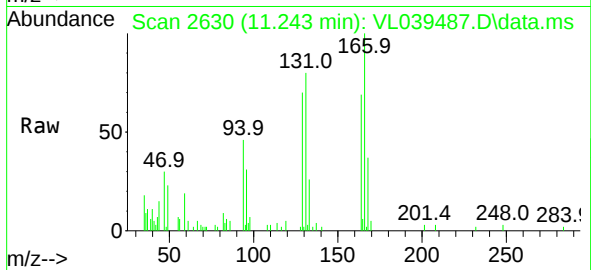
SV-2

Tgt Ion:	164	Resp:	16724
Ion	Ratio	Lower	Upper
164	100		
166	145.3	102.2	153.2
129	101.3	85.8	128.8
131	116.9	83.3	124.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#53

Toluene

Concen: 0.401 ppbv

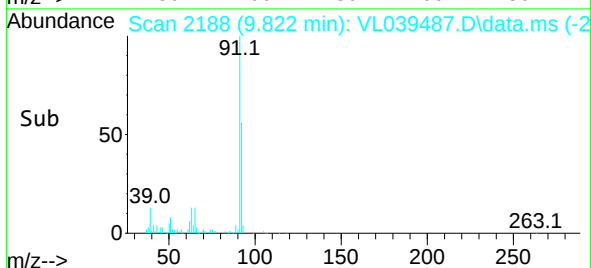
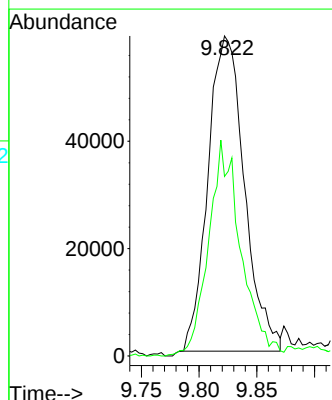
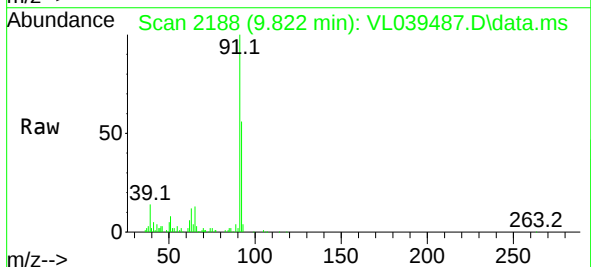
RT: 9.822 min Scan# 2188

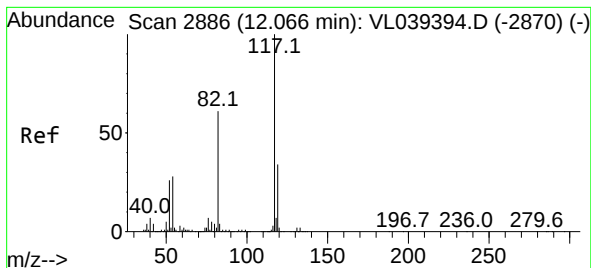
Delta R.T. 0.039 min

Lab File: VL039487.D

Acq: 19 Jul 2022 18:15

Tgt Ion:	91	Resp:	128917
Ion	Ratio	Lower	Upper
91	100		
92	61.3	48.2	72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.102 min Scan# 21

Delta R.T. 0.035 min

Lab File: VL039487.D

Acq: 19 Jul 2022 18:15

Instrument :

MSVOA_L

ClientSampleId :

SV-2

Tgt Ion:117 Resp: 329104

Ion Ratio Lower Upper

117 100

82 64.9 50.8 76.2

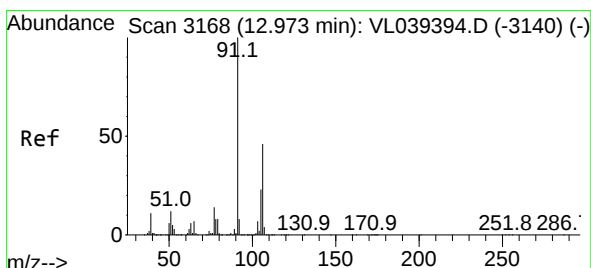
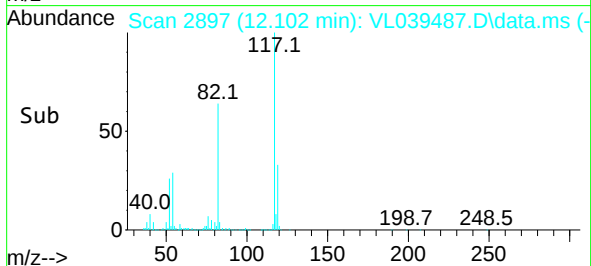
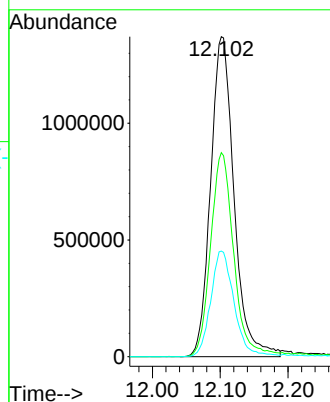
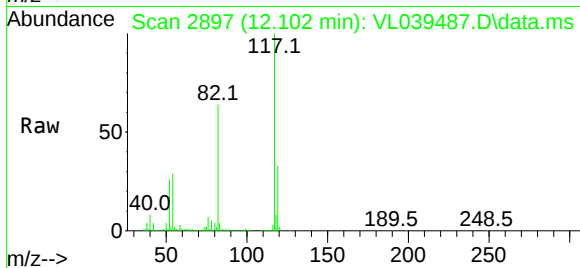
119 33.5 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#59

m/p-Xylene

Concen: 0.181 ppbv m

RT: 12.979 min Scan# 3170

Delta R.T. 0.006 min

Lab File: VL039487.D

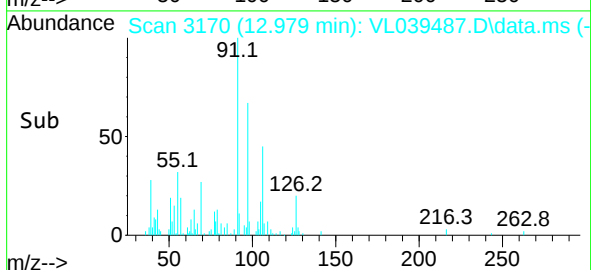
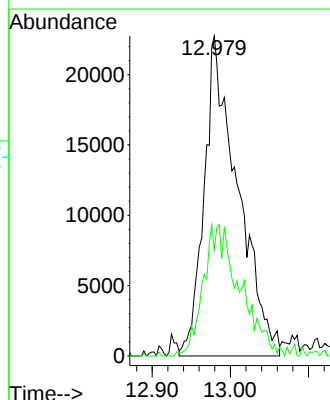
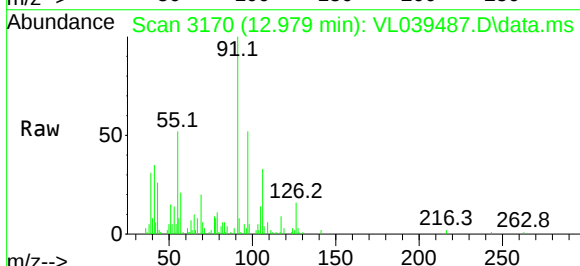
Acq: 19 Jul 2022 18:15

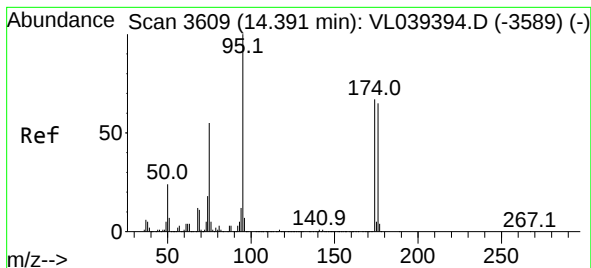
Tgt Ion: 91 Resp: 67876

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.181 ppbv

RT: 14.429 min Scan# 3609

Delta R.T. 0.039 min

Lab File: VL039487.D

Acq: 19 Jul 2022 18:15

Instrument :

MSVOA_L

ClientSampleId :

SV-2

Tgt Ion: 95 Resp: 2485710

Ion Ratio Lower Upper

95 100

174 74.4 55.9 83.9

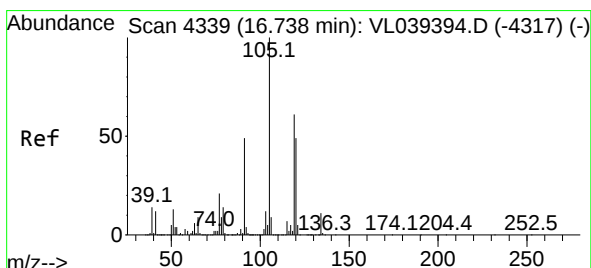
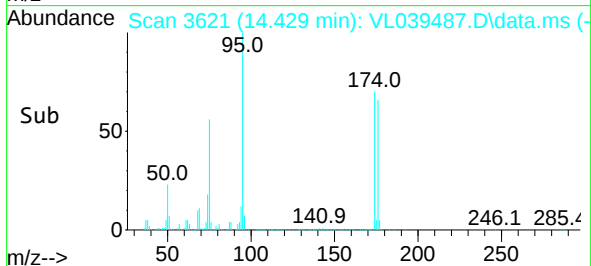
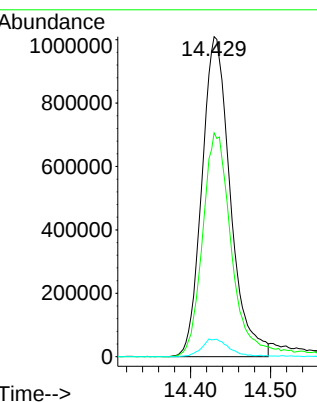
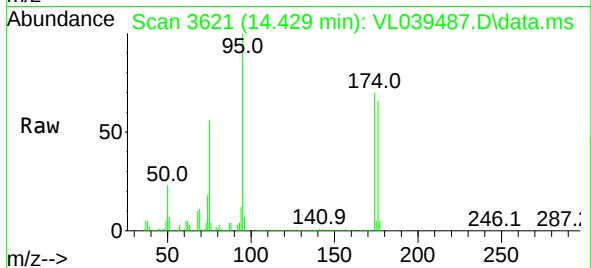
175 5.6 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.234 ppbv

RT: 16.780 min Scan# 4352

Delta R.T. 0.042 min

Lab File: VL039487.D

Acq: 19 Jul 2022 18:15

Tgt Ion:105 Resp: 99090

Ion Ratio Lower Upper

105 100

120 33.9 39.5 59.3#

91 6.8 39.2 58.8#

77 17.3 17.2 25.8

