

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041425.D
 Acq On : 29 Jul 2024 12:14
 Operator : SY/MD
 Sample : P3342-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 02:48:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1070449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2985146	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2858080	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2225855	10.120	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
9) Propene	2.693	41	42570m	0.727	ppbv	
10) Heptane	7.574	43	126005	0.958	ppbv	94
11) Trichlorofluoromethane	3.552	101	9261	0.057	ppbv	100
13) Ethanol	3.230	45	441048	84.296	ppbv	93
15) Acetone	3.462	43	292680m	2.406	ppbv	
19) Isopropyl Alcohol	3.568	45	204895	2.882	ppbv	# 1
20) Methylene Chloride	3.925	84	643075	14.179	ppbv	97
26) Hexane	5.208	57	933952	9.318	ppbv	# 39
30) Cyclohexane	6.600	84	46166	0.566	ppbv	88
34) 2-Butanone	4.780	43	51225m	0.355	ppbv	
36) Benzene	6.365	78	310599	1.424	ppbv	96
44) 2,2,4-Trimethylpentane	7.320	57	255126	0.700	ppbv	# 76
52) Tetrachloroethene	10.616	164	22763m	0.270	ppbv	
53) Toluene	9.217	91	1370088	5.639	ppbv	100
58) Ethyl Benzene	12.089	91	246069	0.747	ppbv	93
59) m/p-Xylene	12.343	91	766157	2.694	ppbv	97
60) o-Xylene	13.060	91	263146	0.978	ppbv	99
61) Styrene	12.899	104	40558	0.334	ppbv	95
72) 4-Ethyltoluene	15.188	105	75982m	0.240	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	45631	0.167	ppbv	87
74) 1,2,4-Trimethylbenzene	16.108	105	211883	0.668	ppbv	# 70

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

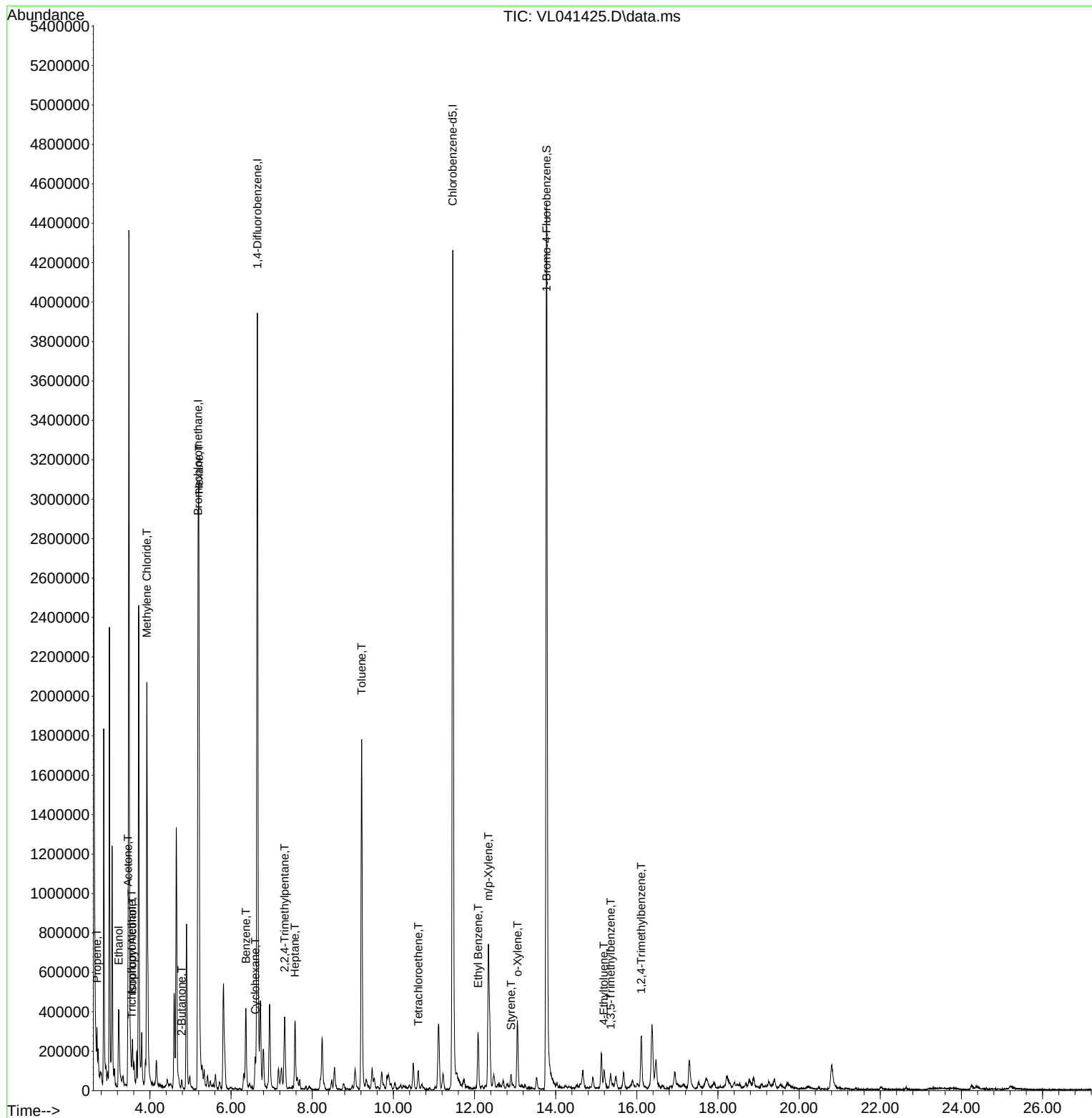
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041425.D
Acq On : 29 Jul 2024 12:14
Operator : SY/MD
Sample : P3342-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

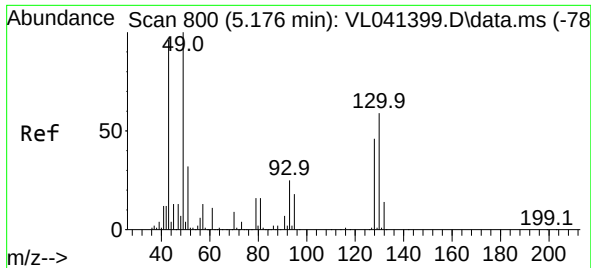
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01

Quant Time: Jul 30 02:48:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

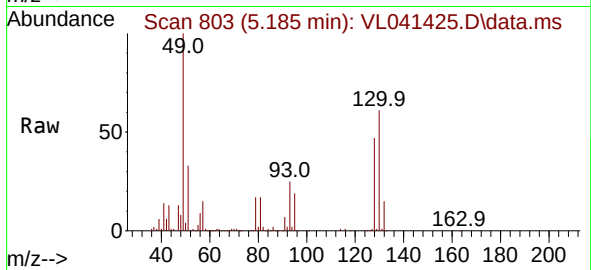
Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

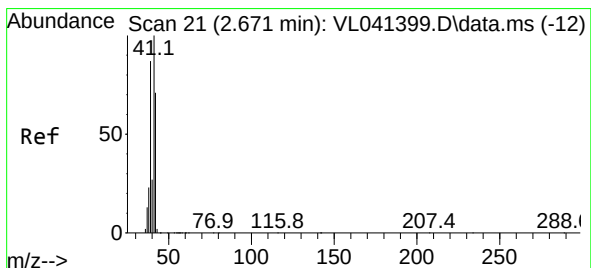
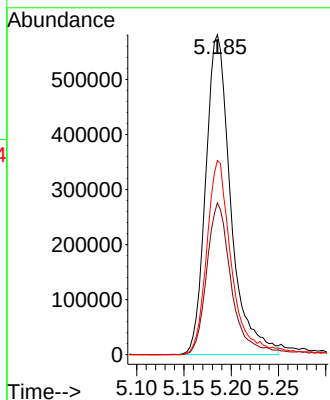
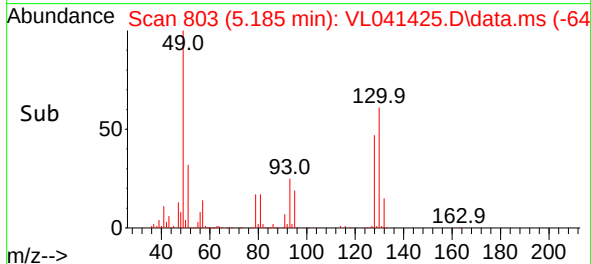
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01



Tgt Ion: 49 Resp: 1070449
Ion Ratio Lower Upper
49 100
128 48.2 23.8 71.4
130 62.2 30.8 92.4

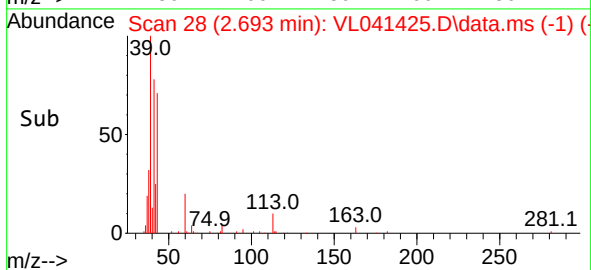
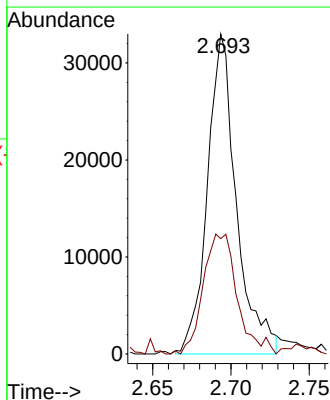
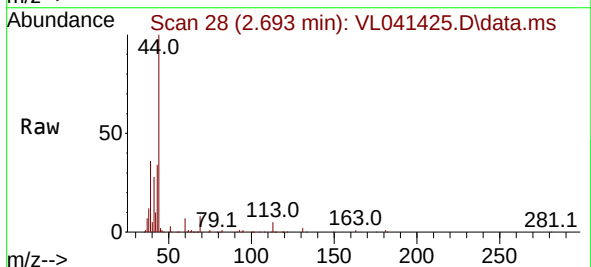
Manual Integrations
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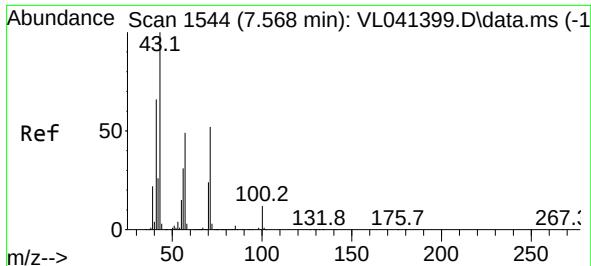
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#9
Propene
Concen: 0.727 ppbv m
RT: 2.693 min Scan# 28
Delta R.T. 0.023 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

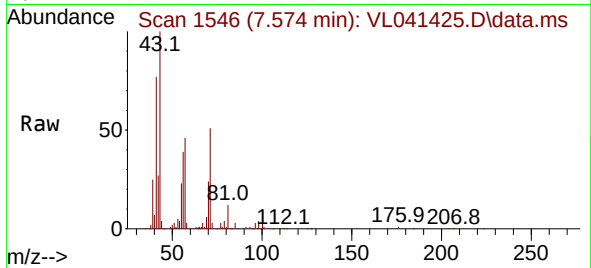
Tgt Ion: 41 Resp: 42570
Ion Ratio Lower Upper
41 100
42 766.9 55.9 83.9#





#10
Heptane
Concen: 0.958 ppbv
RT: 7.574 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

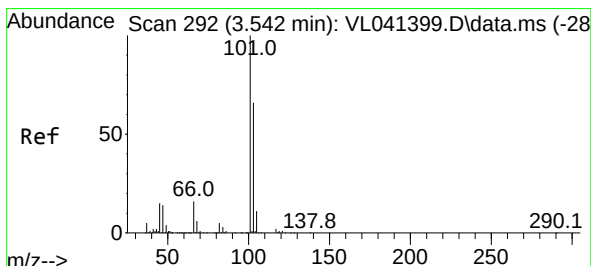
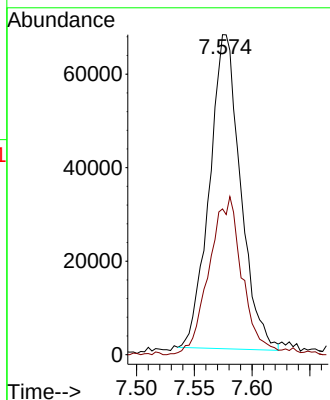
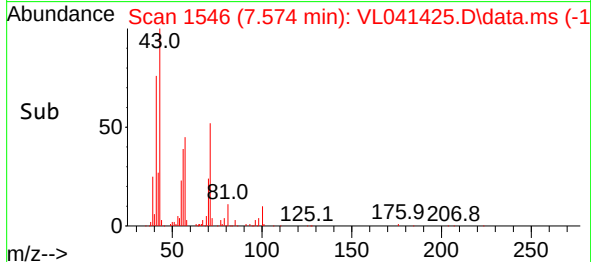
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01



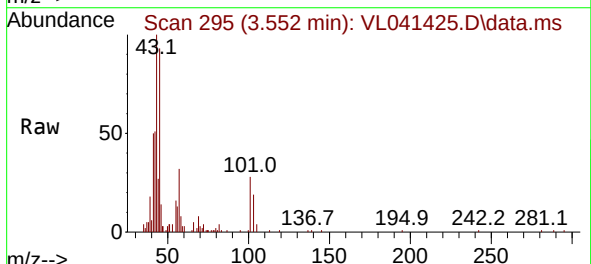
Tgt Ion: 43 Resp: 12600
Ion Ratio Lower Upper
43 100
57 54.7 40.5 60.7

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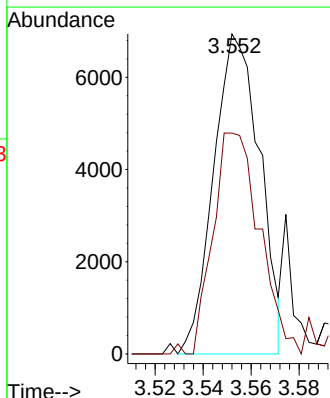
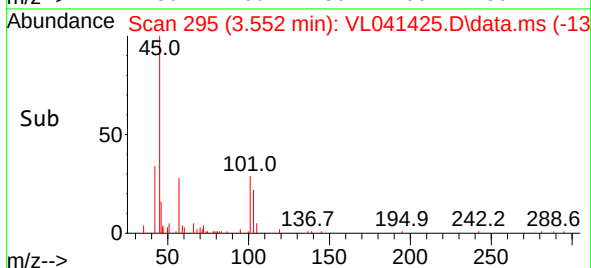
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

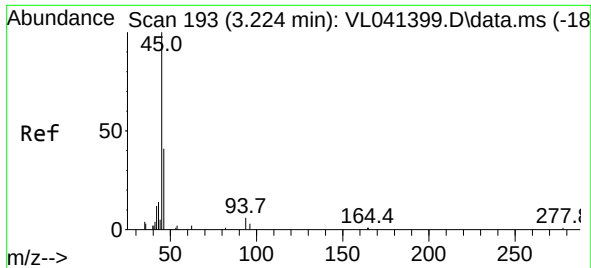


#11
Trichlorofluoromethane
Concen: 0.057 ppbv
RT: 3.552 min Scan# 295
Delta R.T. 0.006 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14



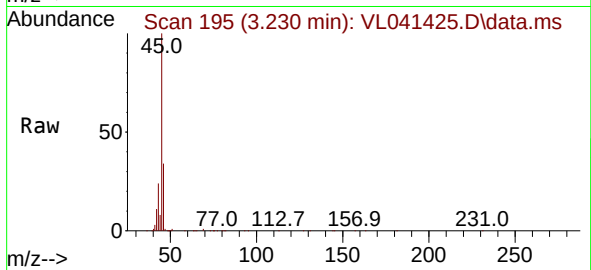
Tgt Ion:101 Resp: 9261
Ion Ratio Lower Upper
101 100
103 65.8 52.6 79.0





#13
Ethanol
Concen: 84.296 ppbv
RT: 3.230 min Scan# 193
Delta R.T. 0.003 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

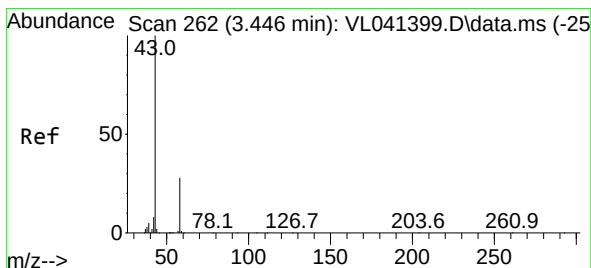
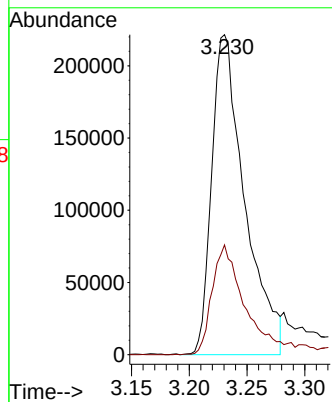
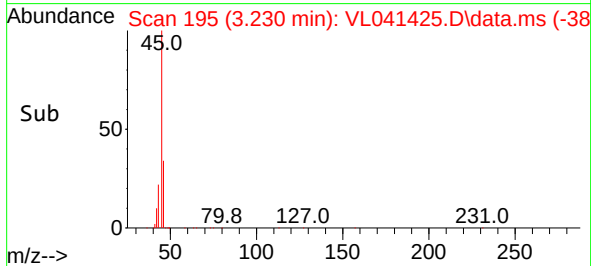
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01



Tgt Ion: 45 Resp: 441048
Ion Ratio Lower Upper
45 100
46 37.5 13.4 53.4

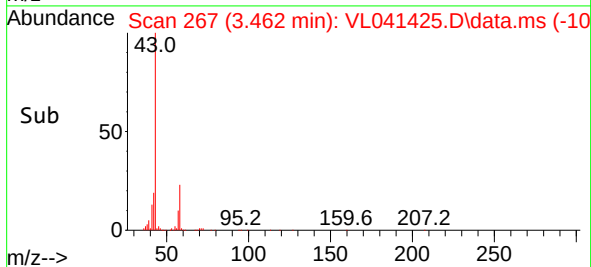
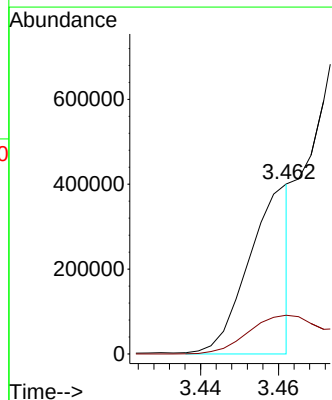
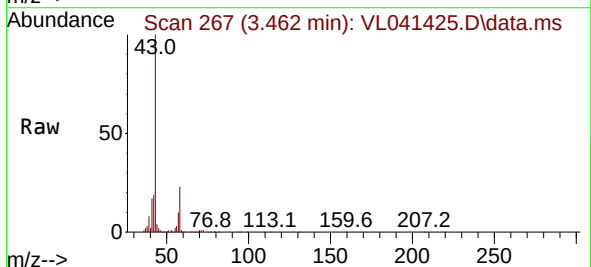
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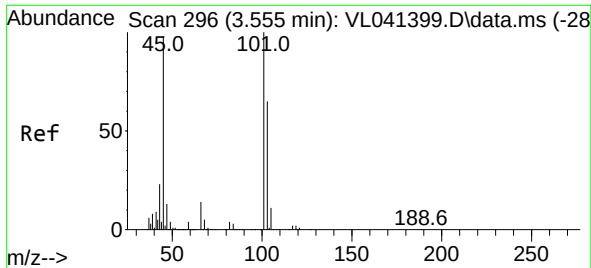
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#15
Acetone
Concen: 2.406 ppbv m
RT: 3.462 min Scan# 267
Delta R.T. 0.010 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

Tgt Ion: 43 Resp: 292680
Ion Ratio Lower Upper
43 100
58 63.9 21.4 32.2#





#19

Isopropyl Alcohol

Concen: 2.882 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.006 min

Lab File: VL041425.D

Acq: 29 Jul 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :

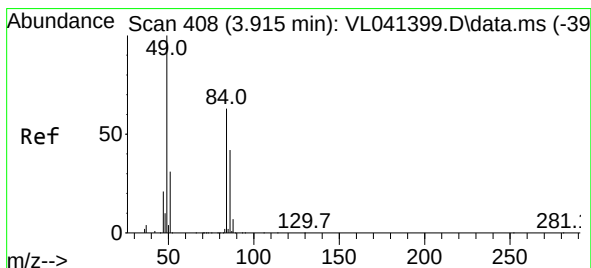
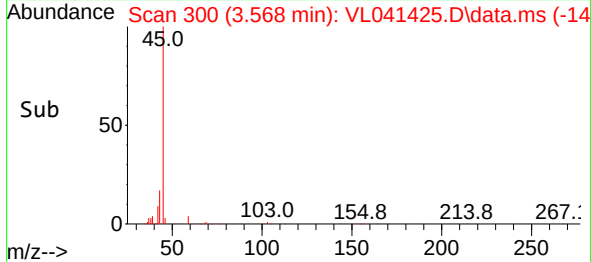
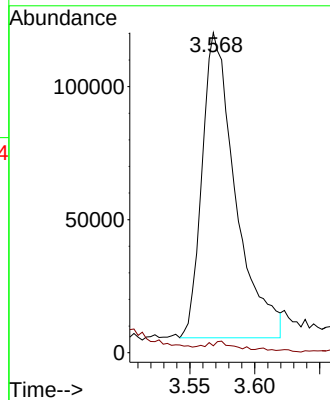
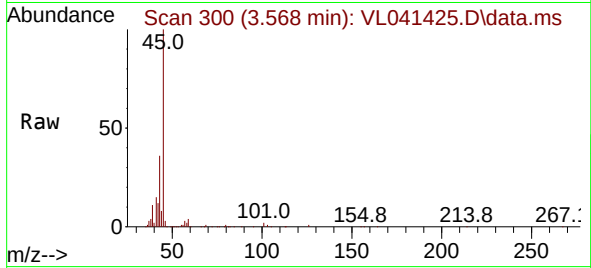
ACVI-SS-01

Tgt Ion: 45 Resp: 204895
 Ion Ratio Lower Upper
 45 100
 58 95.6 1.9 2.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024



#20

Methylene Chloride

Concen: 14.179 ppbv

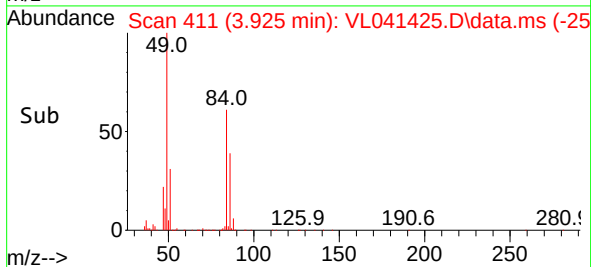
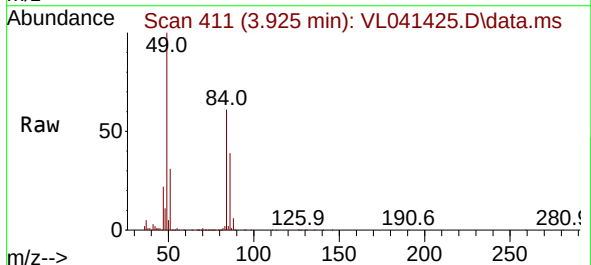
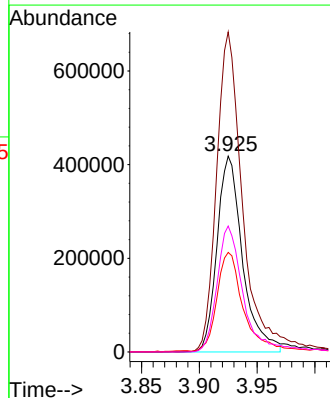
RT: 3.925 min Scan# 411

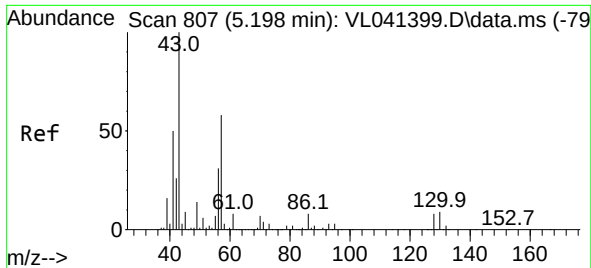
Delta R.T. 0.006 min

Lab File: VL041425.D

Acq: 29 Jul 2024 12:14

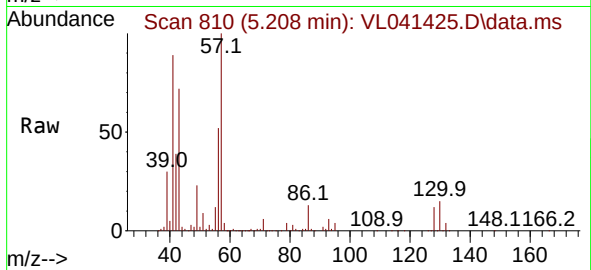
Tgt Ion: 84 Resp: 643075
 Ion Ratio Lower Upper
 84 100
 49 163.3 126.6 190.0
 51 50.2 38.6 58.0
 86 64.3 53.0 79.4





#26
Hexane
Concen: 9.318 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

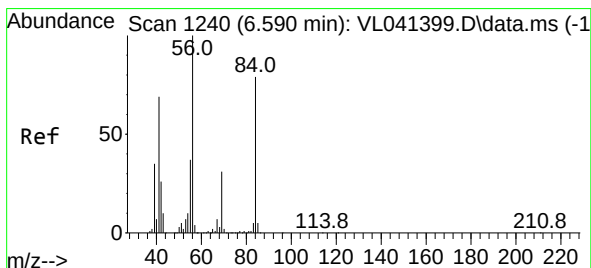
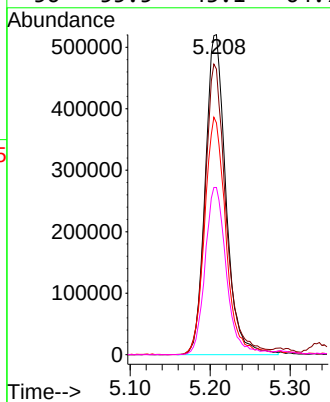
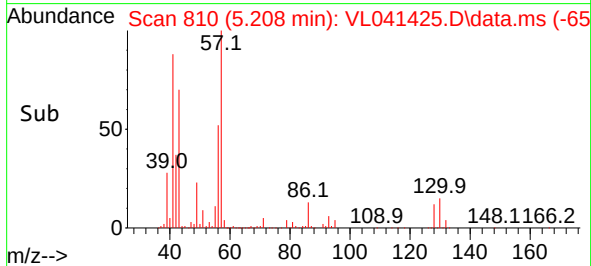
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01



Tgt Ion: 57 Resp: 933952
Ion Ratio Lower Upper
57 100
41 94.2 74.0 111.0
43 77.2 193.6 290.4
56 55.5 43.1 64.7

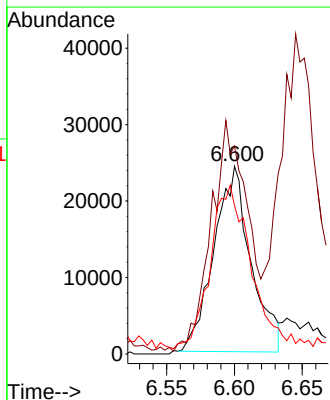
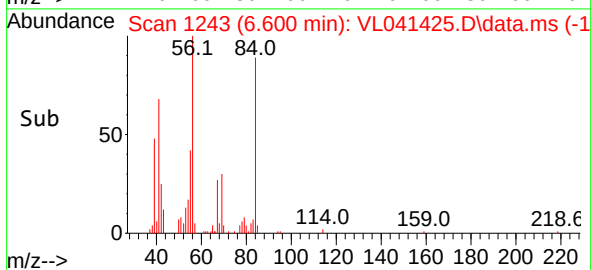
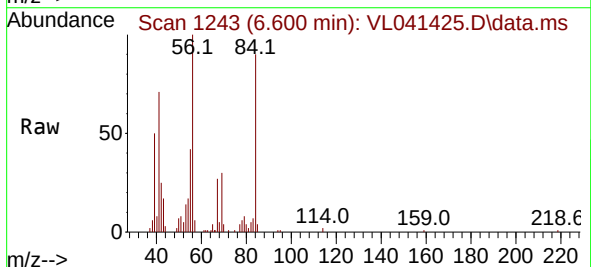
Manual Integrations
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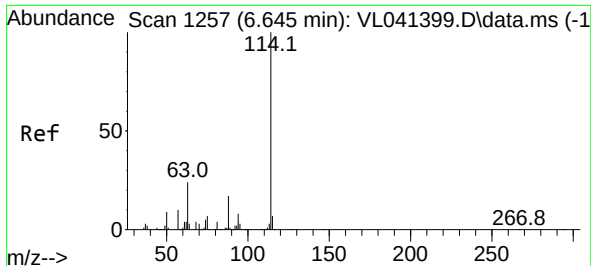
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#30
Cyclohexane
Concen: 0.566 ppbv
RT: 6.600 min Scan# 1243
Delta R.T. 0.006 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

Tgt Ion: 84 Resp: 46166
Ion Ratio Lower Upper
84 100
56 125.5 111.2 166.8
41 100.6 70.3 105.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 1257

Delta R.T. 0.003 min

Lab File: VL041425.D

Acq: 29 Jul 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-01

Tgt Ion:114 Resp: 298514

Ion Ratio Lower Upper

114 100

63 24.8 20.3 30.5

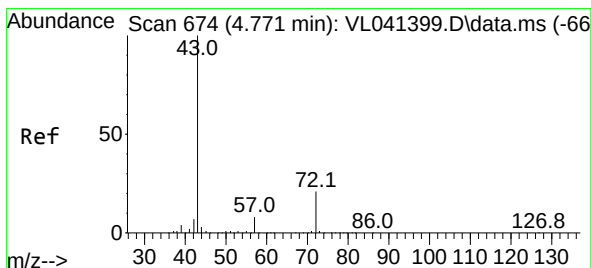
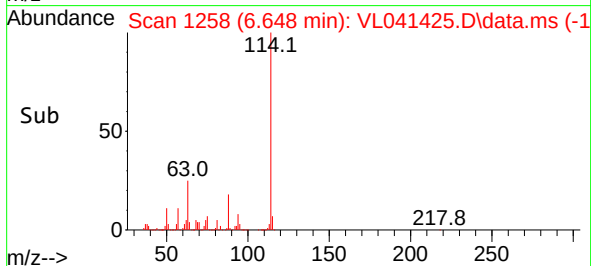
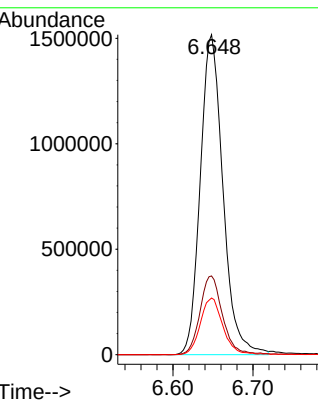
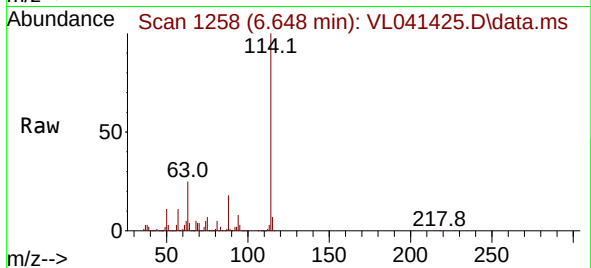
88 17.8 14.3 21.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#34

2-Butanone

Concen: 0.355 ppbv m

RT: 4.780 min Scan# 677

Delta R.T. 0.006 min

Lab File: VL041425.D

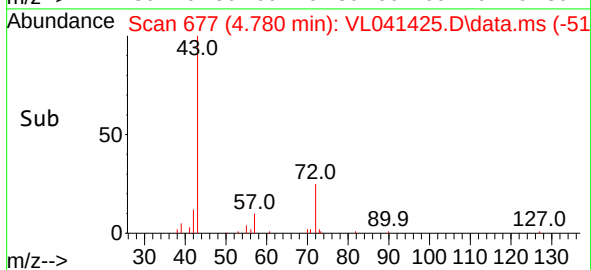
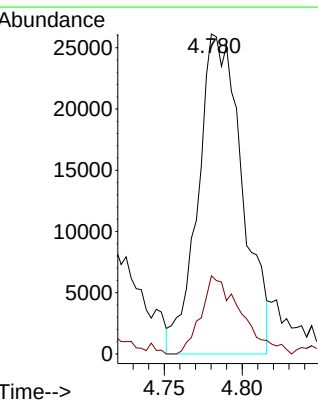
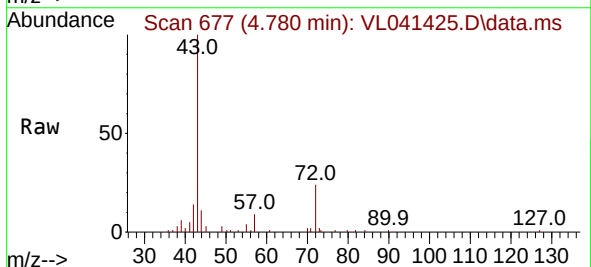
Acq: 29 Jul 2024 12:14

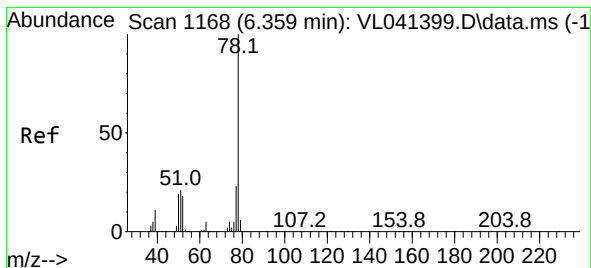
Tgt Ion: 43 Resp: 51225

Ion Ratio Lower Upper

43 100

72 23.2 17.3 25.9





#36

Benzene

Concen: 1.424 ppbv

RT: 6.365 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VL041425.D

Acq: 29 Jul 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-01

Tgt Ion: 78 Resp: 31059

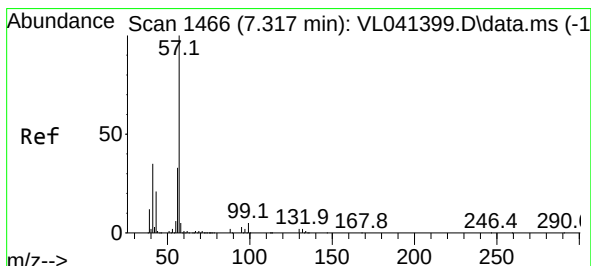
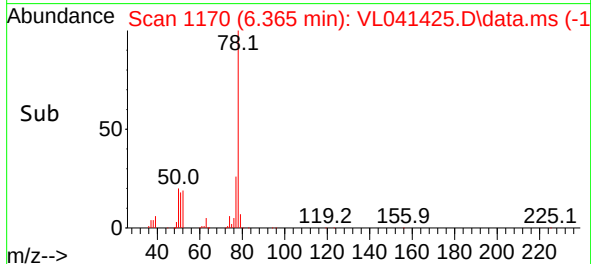
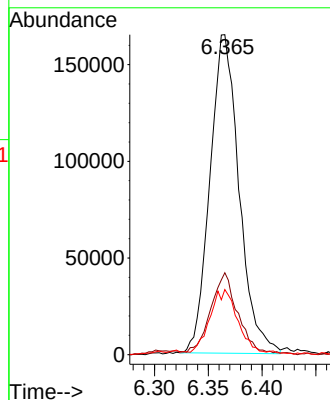
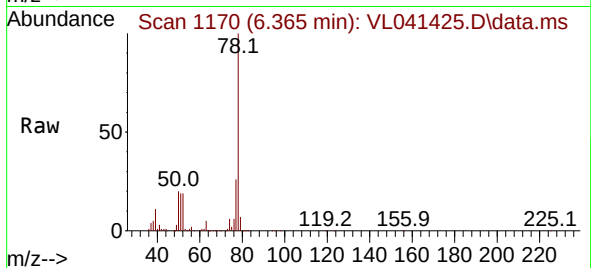
Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.1	27.1
50	20.0	15.5	23.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#44

2,2,4-Trimethylpentane

Concen: 0.700 ppbv

RT: 7.320 min Scan# 1467

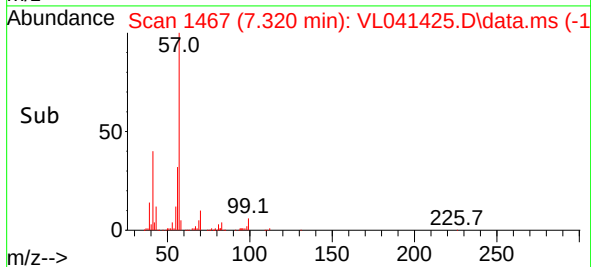
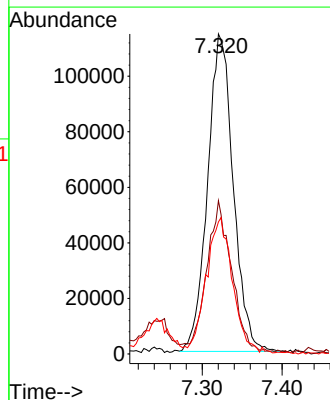
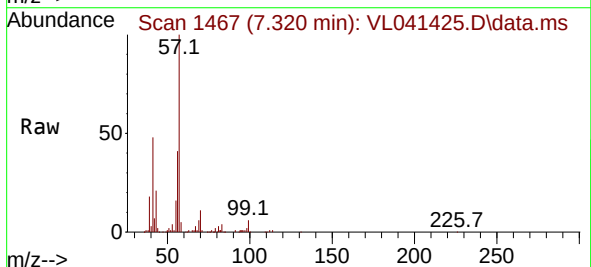
Delta R.T. 0.003 min

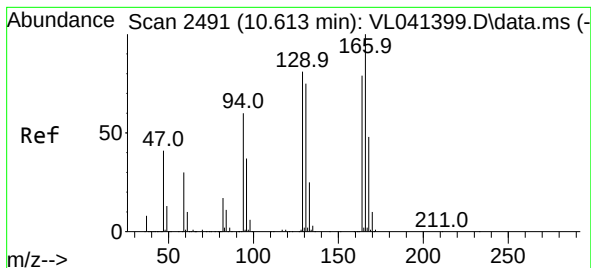
Lab File: VL041425.D

Acq: 29 Jul 2024 12:14

Tgt Ion: 57 Resp: 255126

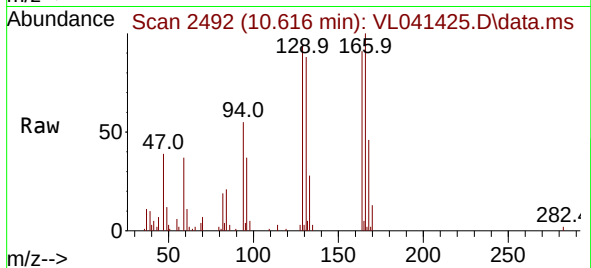
Ion	Ratio	Lower	Upper
57	100		
41	47.2	27.0	40.6#
56	45.3	25.2	37.8#





#52
Tetrachloroethene
Concen: 0.270 ppbv m
RT: 10.616 min Scan# 2491
Delta R.T. 0.006 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

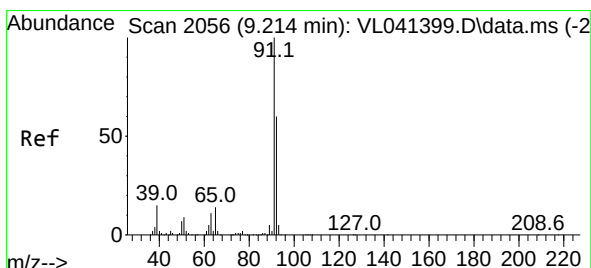
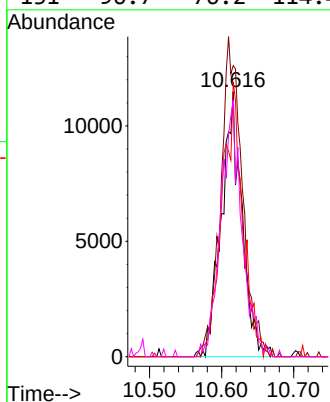
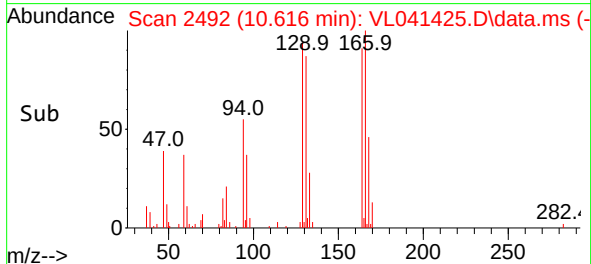
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01



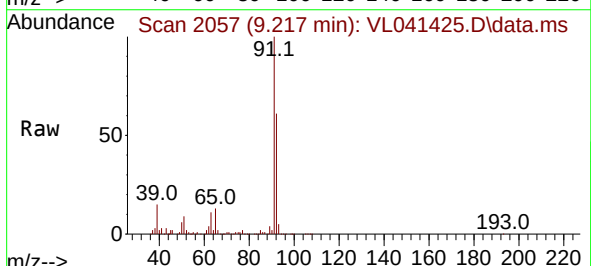
Tgt Ion:164 Resp: 2276
Ion Ratio Lower Upper
164 100
166 109.8 101.1 151.7
129 103.8 81.7 122.5
131 96.7 76.2 114.4

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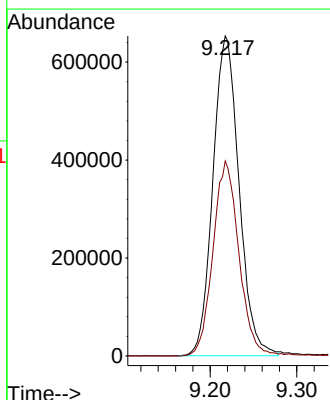
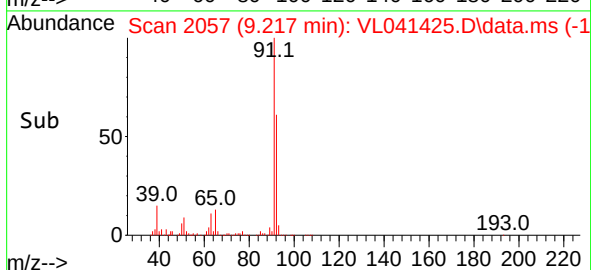
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

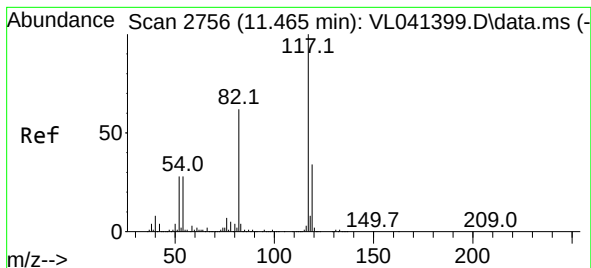


#53
Toluene
Concen: 5.639 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14



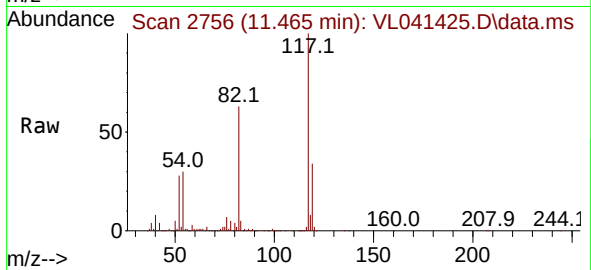
Tgt Ion: 91 Resp: 1370088
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

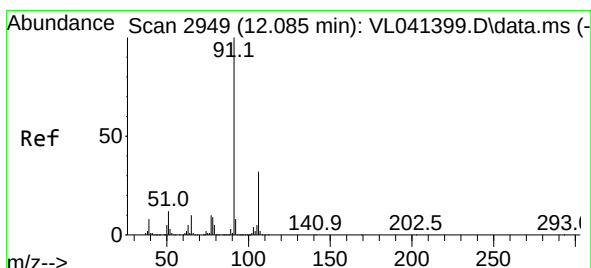
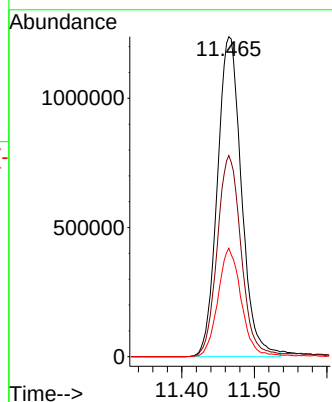
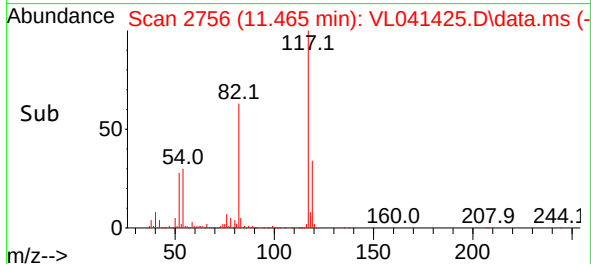
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01



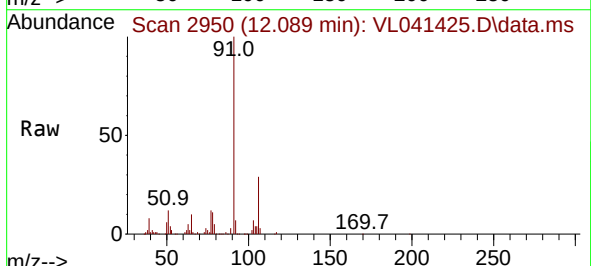
Tgt Ion: 117 Resp: 2858080
Ion Ratio Lower Upper
117 100
82 64.4 51.0 76.6
119 33.3 45.2 67.8

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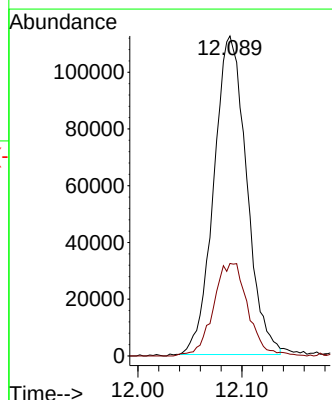
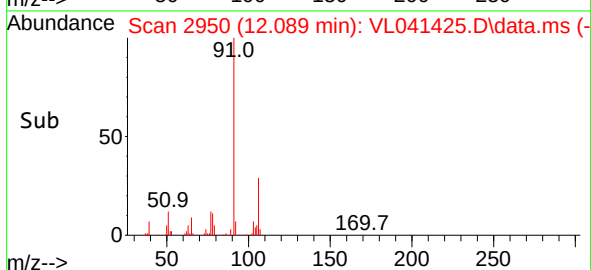
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

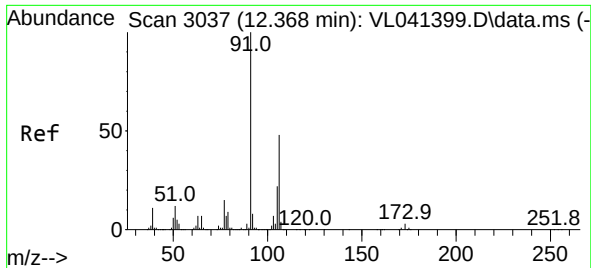


#58
Ethyl Benzene
Concen: 0.747 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14



Tgt Ion: 91 Resp: 246069
Ion Ratio Lower Upper
91 100
106 28.4 25.8 38.8





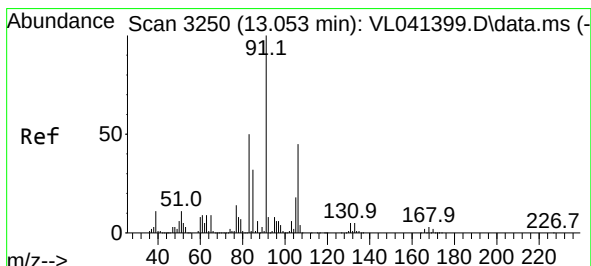
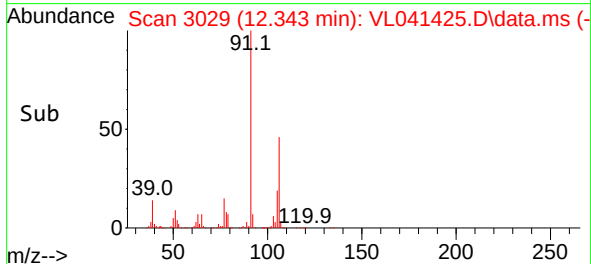
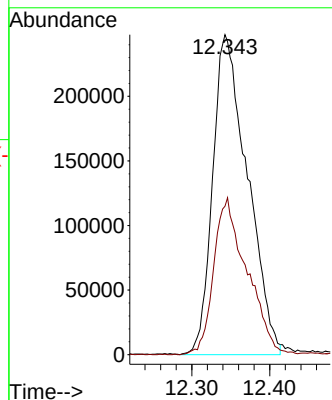
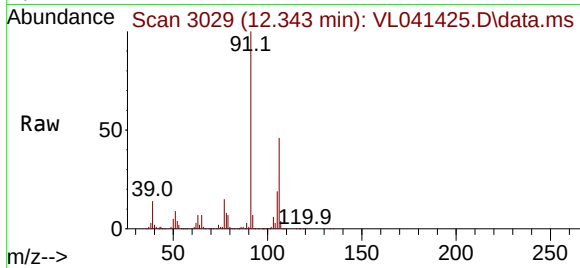
#59
m/p-Xylene
Concen: 2.694 ppbv
RT: 12.343 min Scan# 3037
Delta R.T. -0.026 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01

Tgt Ion: 91 Resp: 76615
Ion Ratio Lower Upper
91 100
106 47.1 36.3 54.5

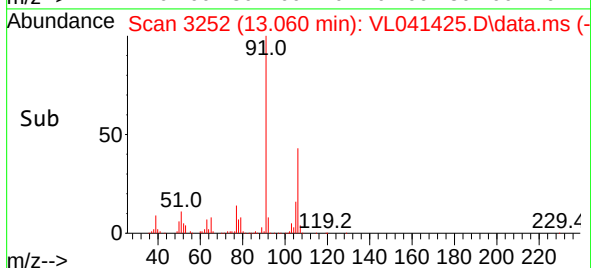
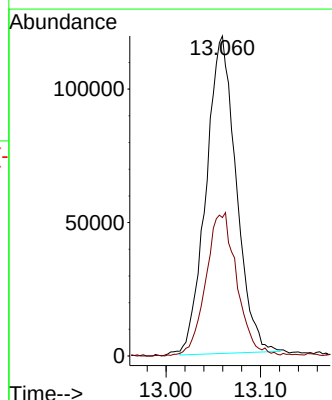
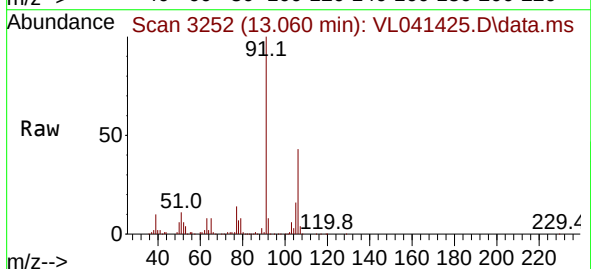
Manual Integrations
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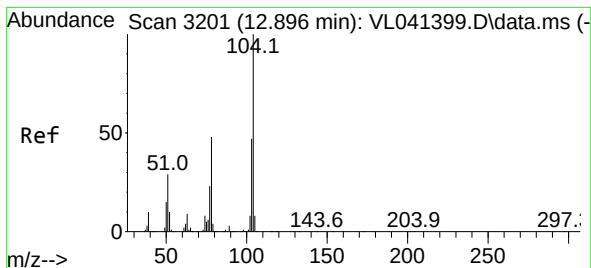
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#60
o-Xylene
Concen: 0.978 ppbv
RT: 13.060 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

Tgt Ion: 91 Resp: 263146
Ion Ratio Lower Upper
91 100
106 46.8 23.1 69.3





#61

Styrene

Concen: 0.334 ppbv

RT: 12.899 min Scan# 3201

Delta R.T. 0.003 min

Lab File: VL041425.D

Acq: 29 Jul 2024 12:14

Instrument :

MSVOA_L

ClientSampleId :

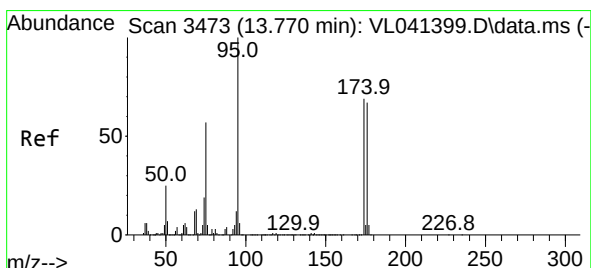
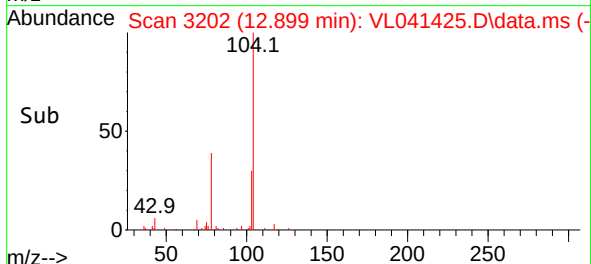
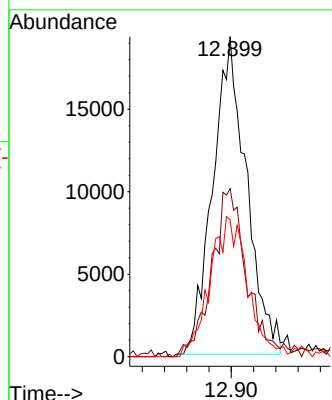
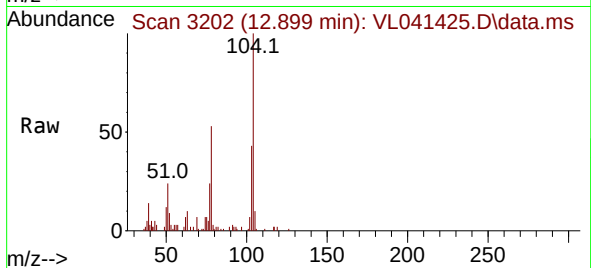
ACVI-SS-01

Tgt Ion:104 Resp: 40558

Ion	Ratio	Lower	Upper
104	100		
78	55.1	40.8	61.2
103	50.9	38.2	57.4

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.120 ppbv

RT: 13.773 min Scan# 3474

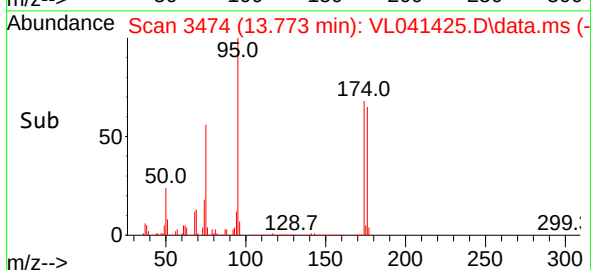
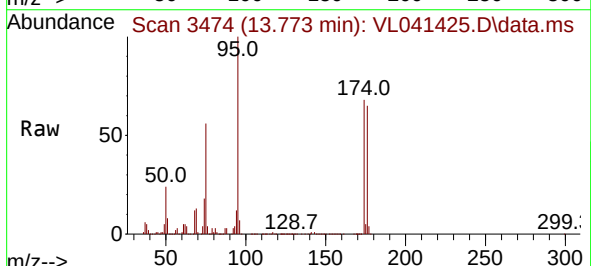
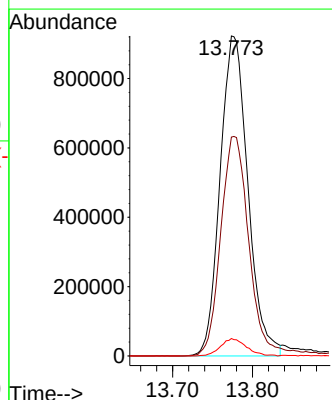
Delta R.T. 0.000 min

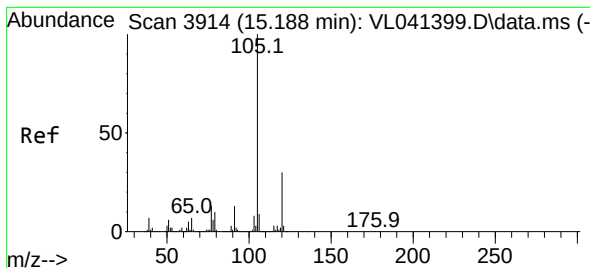
Lab File: VL041425.D

Acq: 29 Jul 2024 12:14

Tgt Ion: 95 Resp: 2225855

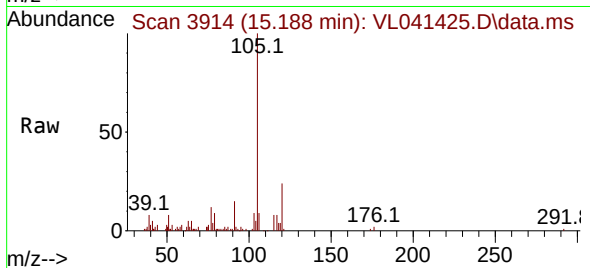
Ion	Ratio	Lower	Upper
95	100		
174	71.8	56.3	84.5
175	5.1	4.0	6.0





#72
4-Ethyltoluene
Concen: 0.240 ppbv m
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

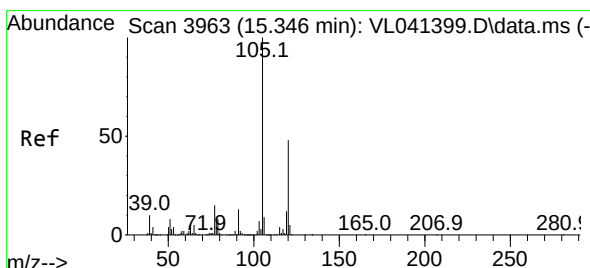
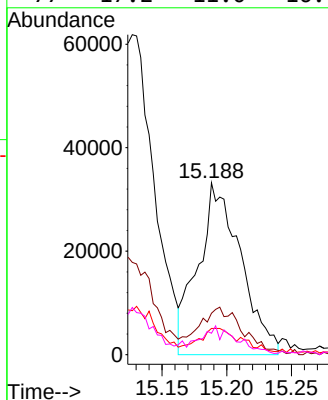
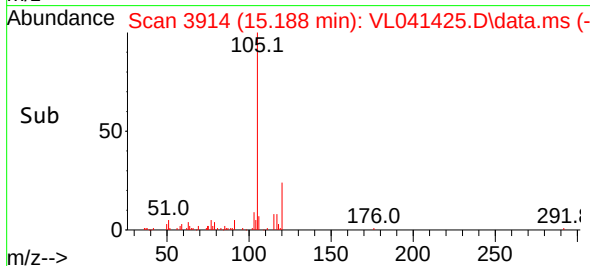
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-01



Tgt Ion:105 Resp: 7598
Ion Ratio Lower Upper
105 100
120 29.1 24.2 36.2
91 17.4 10.4 15.6
77 17.2 11.0 16.4#

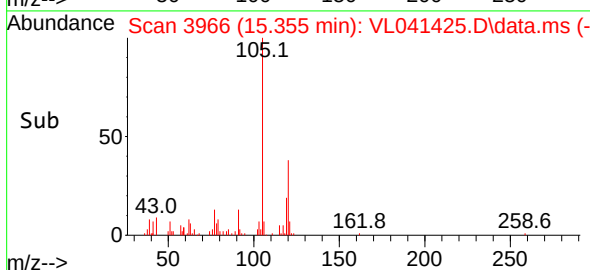
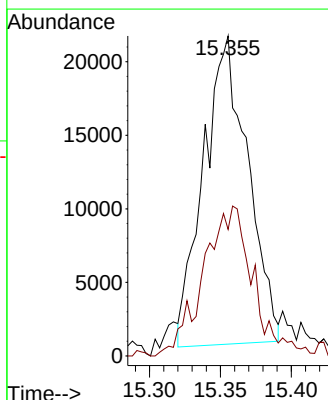
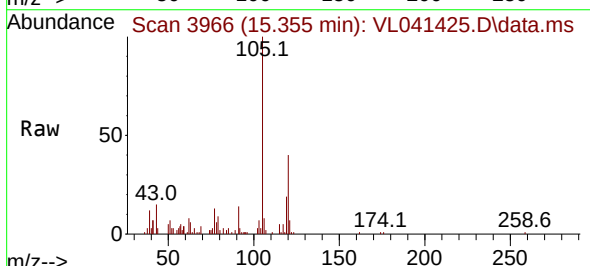
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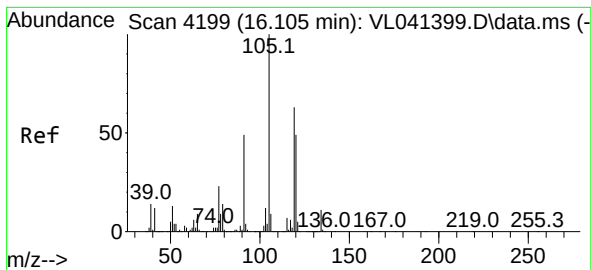
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#73
1,3,5-Trimethylbenzene
Concen: 0.167 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VL041425.D
Acq: 29 Jul 2024 12:14

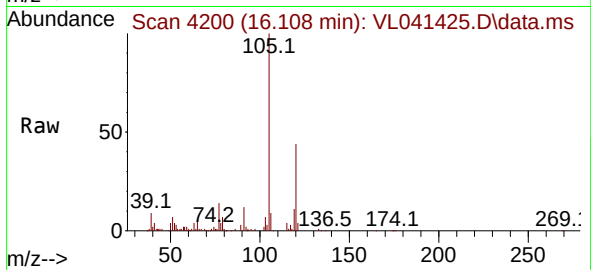
Tgt Ion:105 Resp: 45631
Ion Ratio Lower Upper
105 100
120 39.3 38.6 57.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.668 ppbv
 RT: 16.108 min Scan# 4199
 Delta R.T. 0.000 min
 Lab File: VL041425.D
 Acq: 29 Jul 2024 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-01



Tgt Ion:	105	Resp:	21188
Ion Ratio	Lower	Upper	
105	100		
120	44.5	39.5	59.3
91	11.0	39.8	59.8
77	13.5	18.2	27.4

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

