

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041435.D
 Acq On : 29 Jul 2024 19:02
 Operator : SY/MD
 Sample : P3342-12 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-06

Manual Integrations
 APPROVED

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

Quant Time: Jul 30 02:53:02 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	5.192	49	1114611	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.651	114	3038335	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2843572	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2248620	10.276	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.725	85	25659	0.134	ppbv	99
4) Chloromethane	2.809	50	17161	0.243	ppbv	93
10) Heptane	7.581	43	264610	1.932	ppbv	99
13) Ethanol	3.237	45	674114	123.737	ppbv	98
15) Acetone	3.465	43	1008470	7.963	ppbv	92
19) Isopropyl Alcohol	3.584	45	105823m	1.429	ppbv	
20) Methylene Chloride	3.934	84	850921	18.018	ppbv	96
26) Hexane	5.211	57	1143570	10.957	ppbv	# 38
29) Chloroform	5.275	83	16343	0.096	ppbv	83
30) Cyclohexane	6.603	84	52222	0.614	ppbv	87
34) 2-Butanone	4.787	43	46002m	0.313	ppbv	
36) Benzene	6.368	78	435245	1.960	ppbv	97
38) Trichloroethene	7.288	130	7235m	0.071	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	416754	1.124	ppbv	# 81
52) Tetrachloroethene	10.619	164	2946479	34.347	ppbv	98
53) Toluene	9.220	91	2655944	10.740	ppbv	100
58) Ethyl Benzene	12.088	91	515887	1.574	ppbv	97
59) m/p-Xylene	12.342	91	1571480	5.554	ppbv	97
60) o-Xylene	13.056	91	518277	1.936	ppbv	99
61) Styrene	12.899	104	35968	0.298	ppbv	92
64) n-propylbenzene	14.915	120	20529m	0.193	ppbv	
65) tert-Butylbenzene	16.117	119	37606m	0.102	ppbv	
72) 4-Ethyltoluene	15.194	105	126678	0.402	ppbv	# 97
73) 1,3,5-Trimethylbenzene	15.355	105	80005	0.295	ppbv	92
74) 1,2,4-Trimethylbenzene	16.111	105	341972	1.084	ppbv	# 68

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

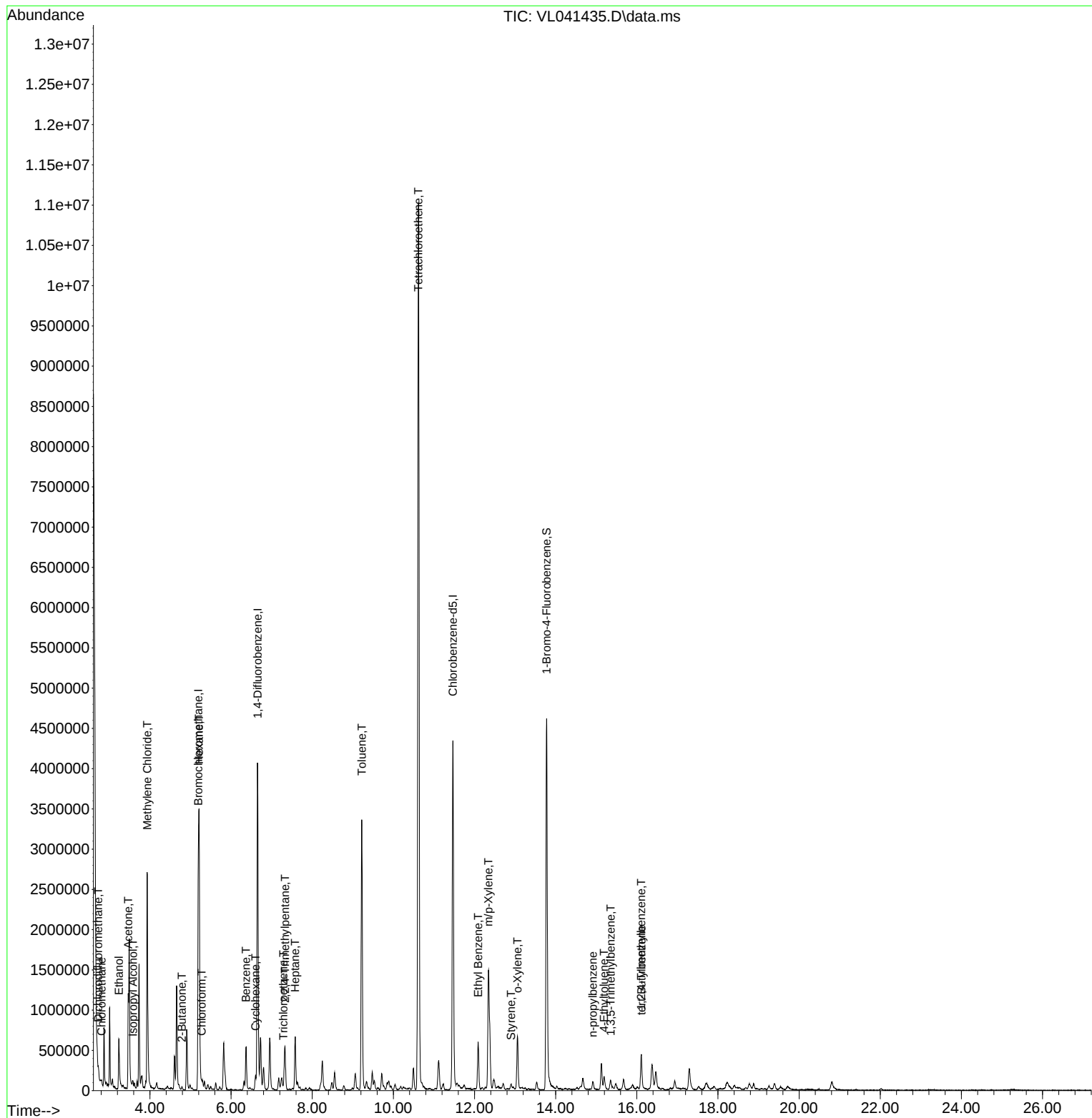
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
Data File : VL041435.D
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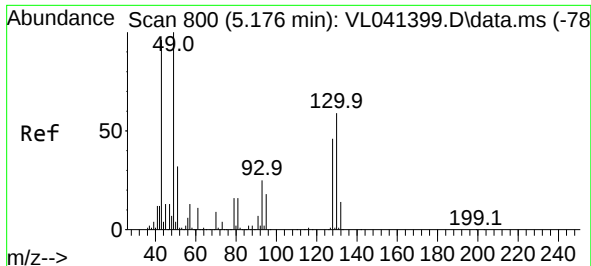
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06

Quant Time: Jul 30 02:53:02 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

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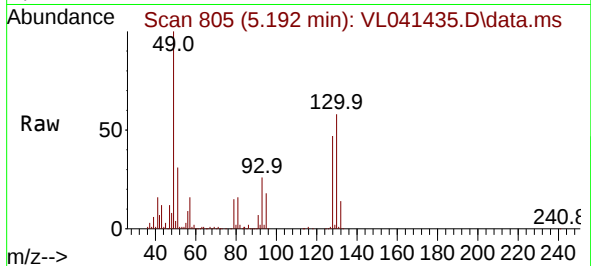
Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

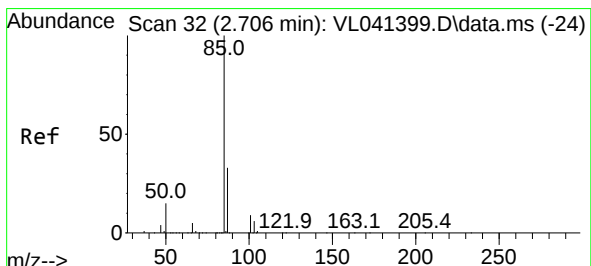
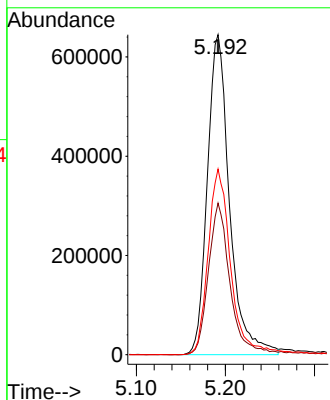
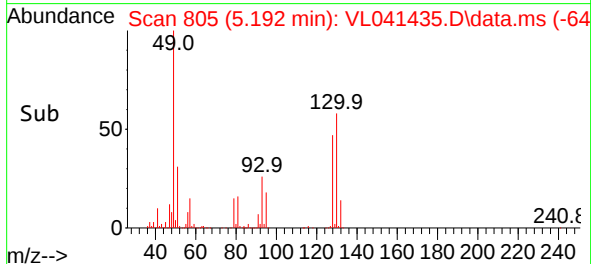
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



Tgt Ion: 49 Resp: 111461
Ion Ratio Lower Upper
49 100
128 47.5 23.8 71.4
130 60.7 30.8 92.4

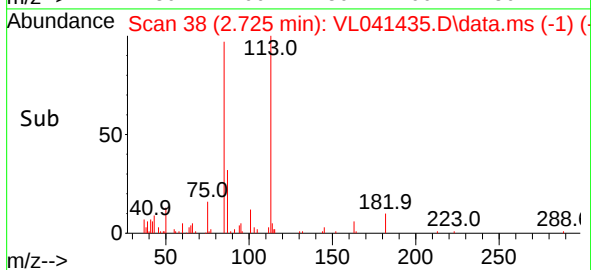
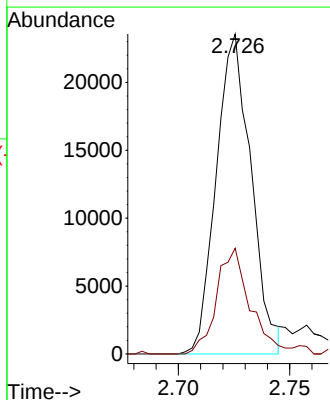
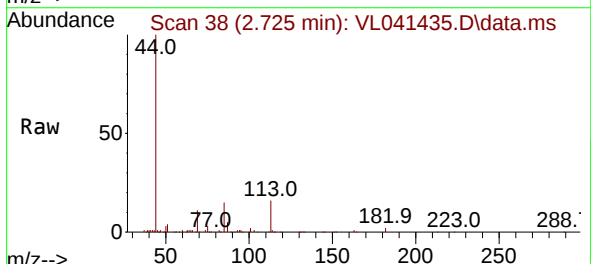
Manual Integrations
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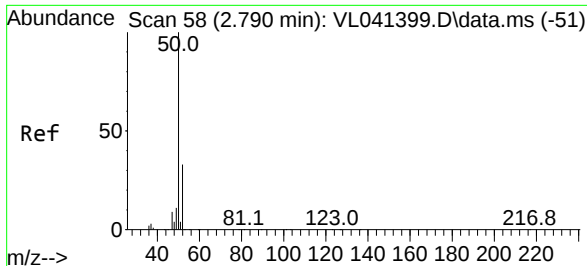
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#2
Dichlorodifluoromethane
Concen: 0.134 ppbv
RT: 2.725 min Scan# 38
Delta R.T. 0.016 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

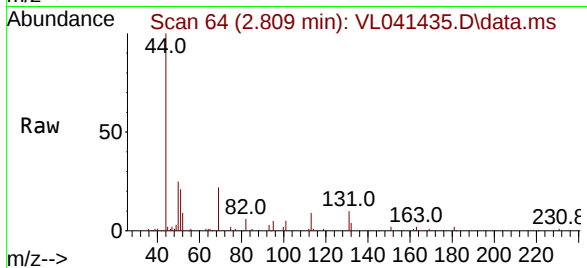
Tgt Ion: 85 Resp: 25659
Ion Ratio Lower Upper
85 100
87 33.0 26.0 39.0





#4
Chloromethane
Concen: 0.243 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.016 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

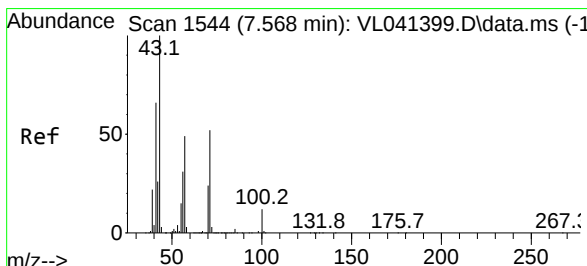
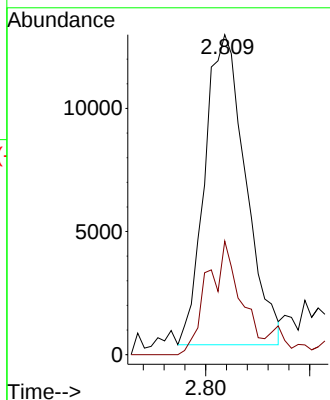
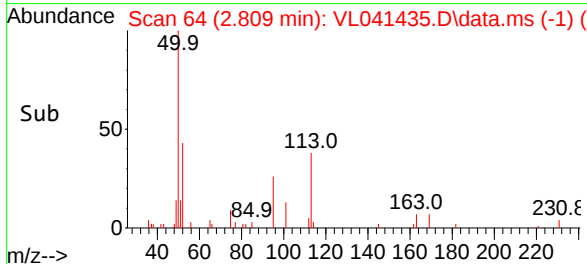
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



Tgt Ion: 50 Resp: 1716
Ion Ratio Lower Upper
50 100
52 36.7 26.1 39.1

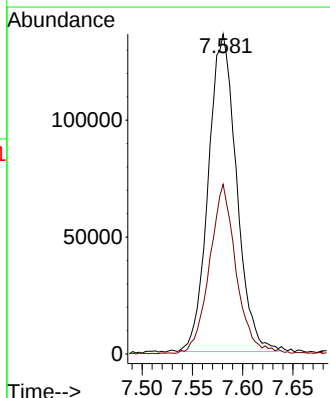
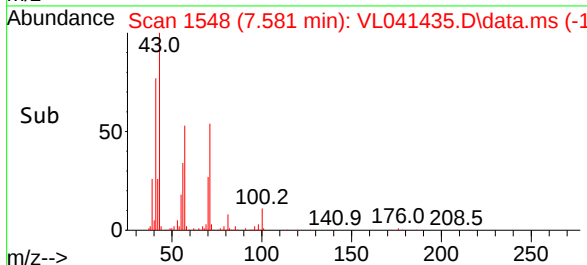
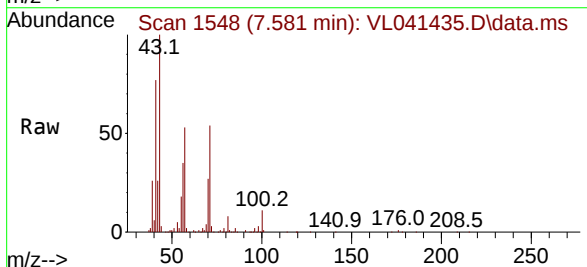
Manual Integrations
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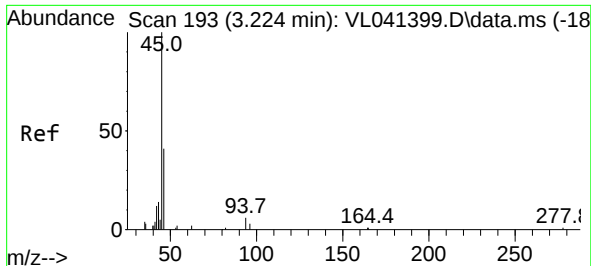
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#10
Heptane
Concen: 1.932 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. 0.010 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

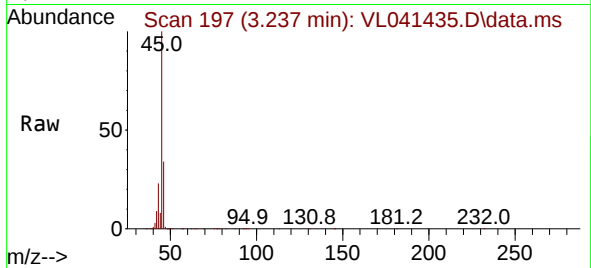
Tgt Ion: 43 Resp: 264610
Ion Ratio Lower Upper
43 100
57 51.3 40.5 60.7





#13
Ethanol
Concen: 123.737 ppbv
RT: 3.237 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

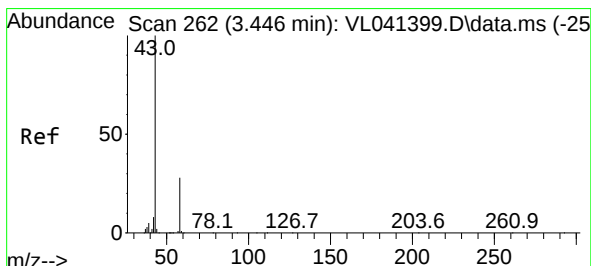
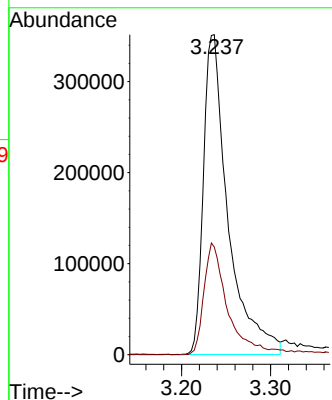
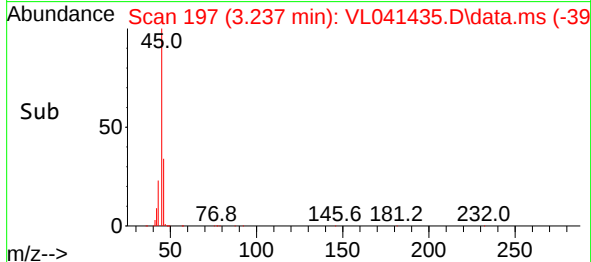
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



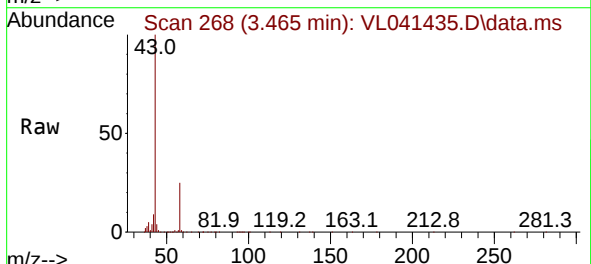
Tgt Ion: 45 Resp: 674114
Ion Ratio Lower Upper
45 100
46 34.8 13.4 53.4

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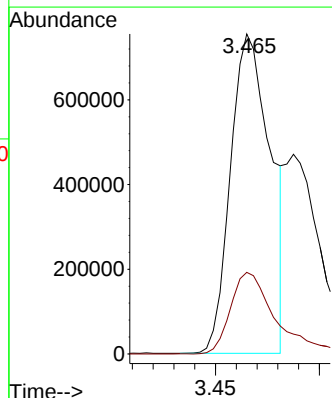
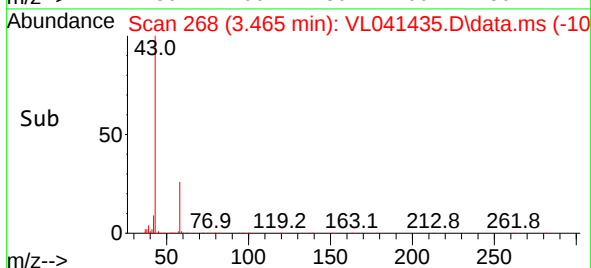
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

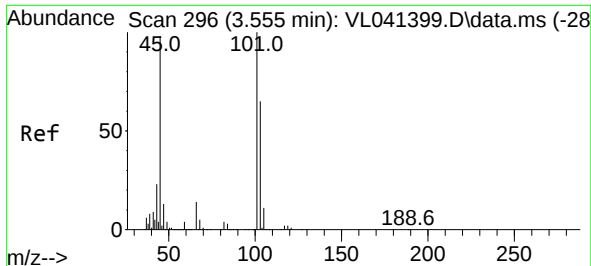


#15
Acetone
Concen: 7.963 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.013 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02



Tgt Ion: 43 Resp: 1008470
Ion Ratio Lower Upper
43 100
58 31.1 21.4 32.2





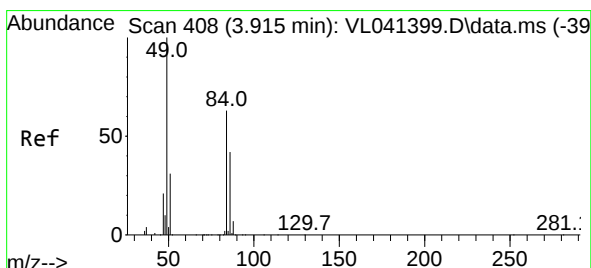
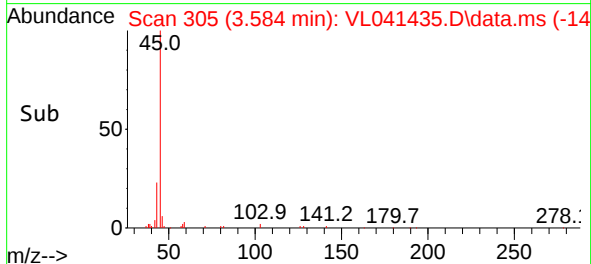
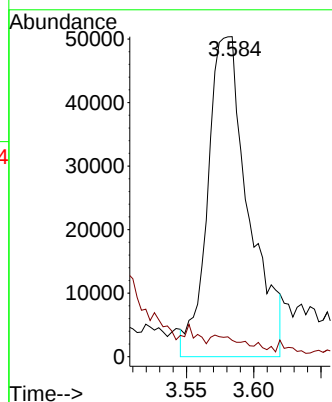
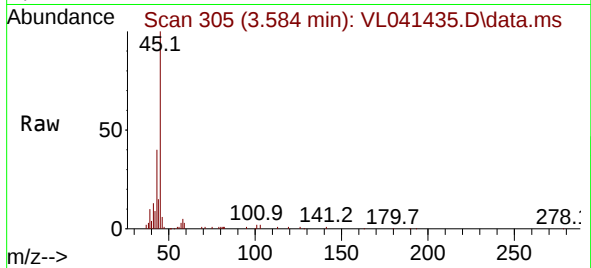
#19
Isopropyl Alcohol
Concen: 1.429 ppbv m
RT: 3.584 min Scan# 305
Delta R.T. 0.022 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06

Tgt Ion: 45 Resp: 105823
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9

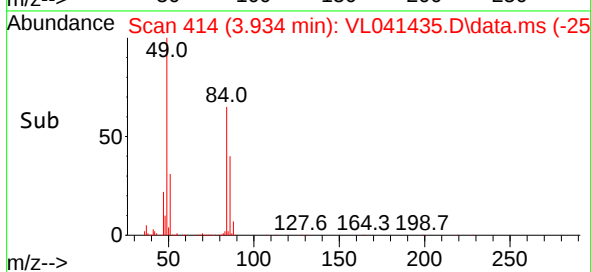
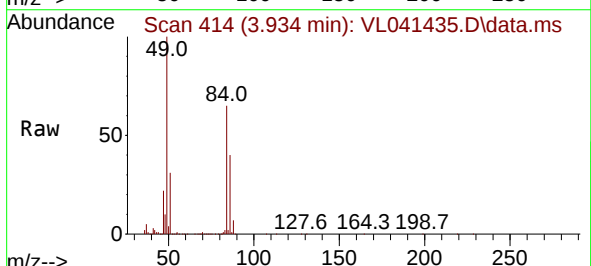
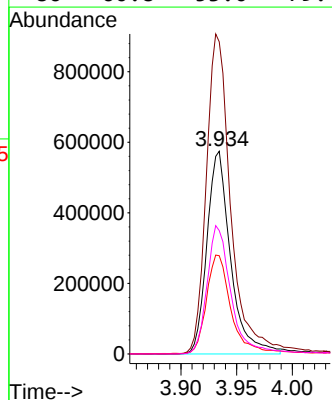
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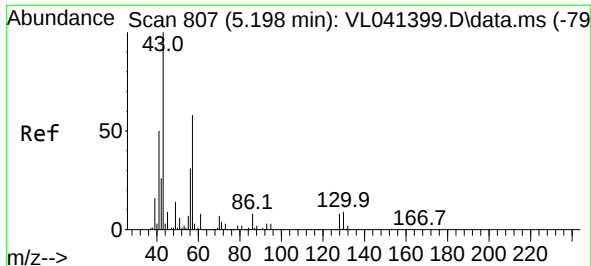
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#20
Methylene Chloride
Concen: 18.018 ppbv
RT: 3.934 min Scan# 414
Delta R.T. 0.016 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

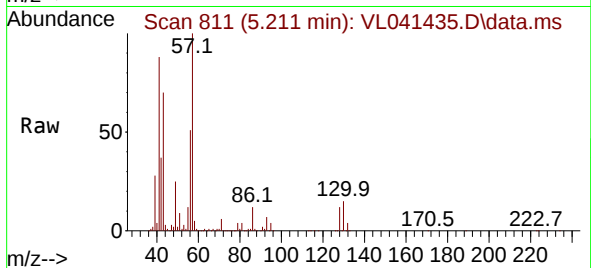
Tgt Ion: 84 Resp: 850921
Ion Ratio Lower Upper
84 100
49 153.9 126.6 190.0
51 48.2 38.6 58.0
86 60.8 53.0 79.4





#26
Hexane
Concen: 10.957 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

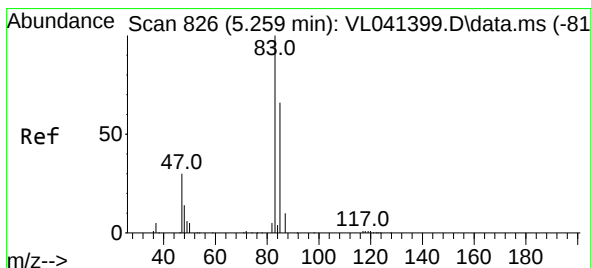
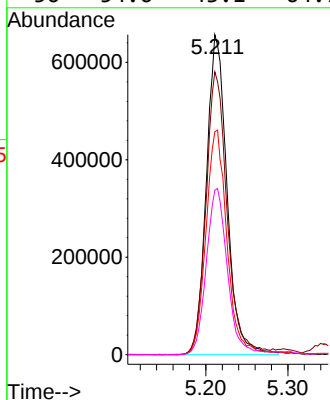
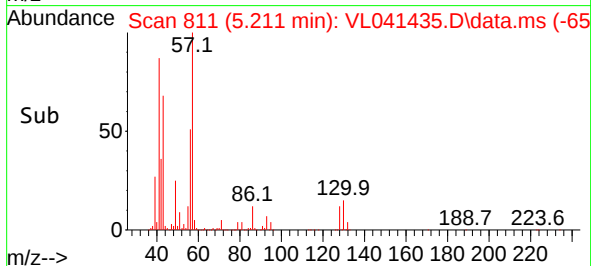
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



Tgt Ion: 57 Resp: 1143570
Ion Ratio Lower Upper
57 100
41 91.5 74.0 111.0
43 72.6 193.6 290.4
56 54.6 43.1 64.7

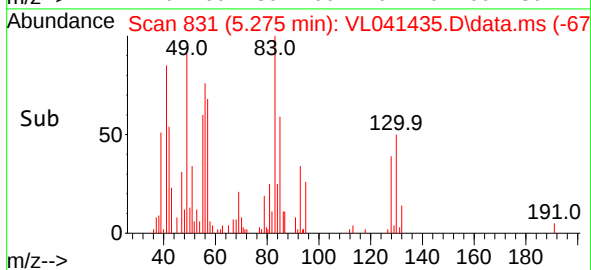
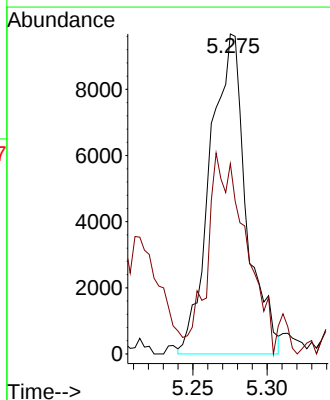
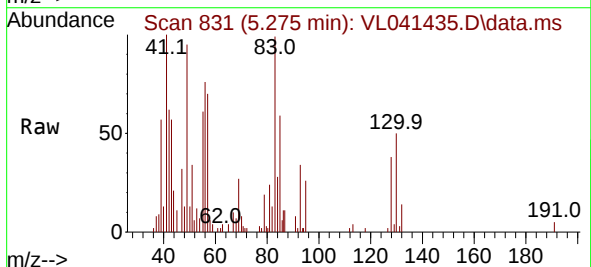
Manual Integrations
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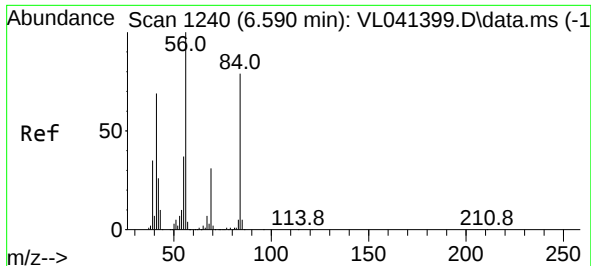
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#29
Chloroform
Concen: 0.096 ppbv
RT: 5.275 min Scan# 831
Delta R.T. 0.013 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

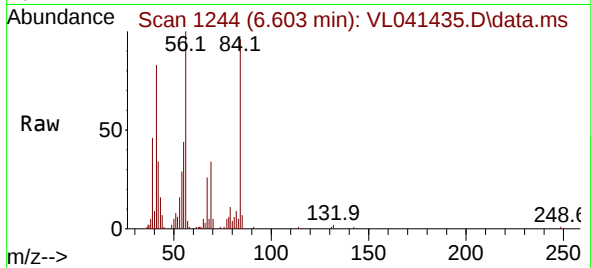
Tgt Ion: 83 Resp: 16343
Ion Ratio Lower Upper
83 100
85 53.1 53.1 79.7





#30
Cyclohexane
Concen: 0.614 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.010 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

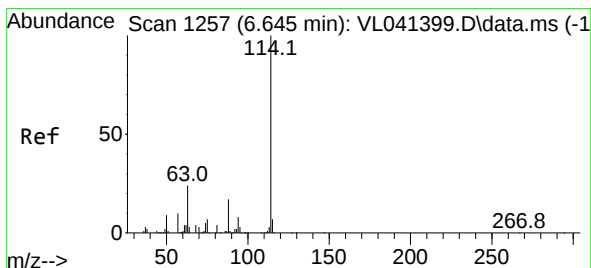
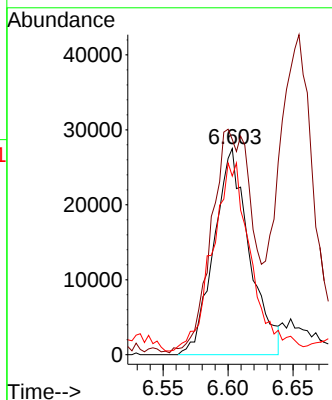
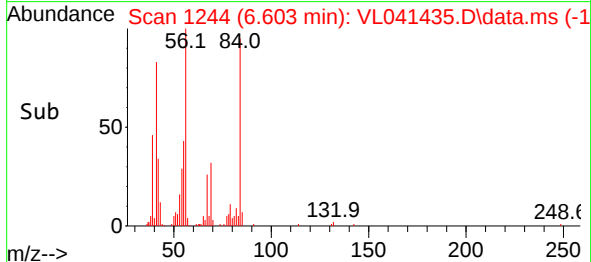
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ACVI-SS-06



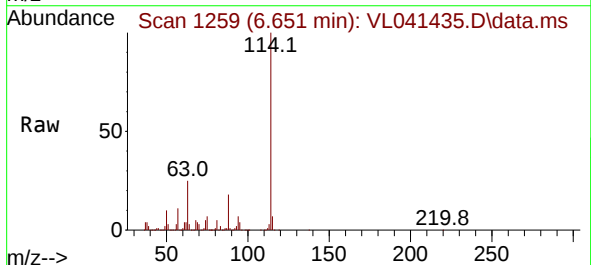
Tgt Ion: 84 Resp: 5222
Ion Ratio Lower Upper
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56 125.0 111.2 166.8
41 101.5 70.3 105.5

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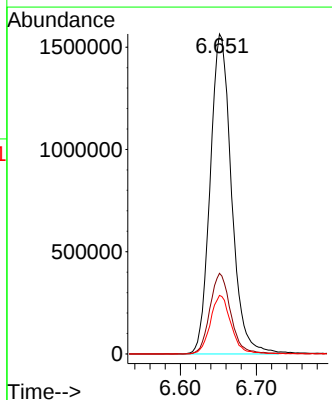
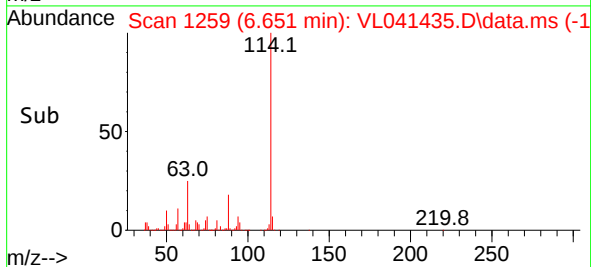
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

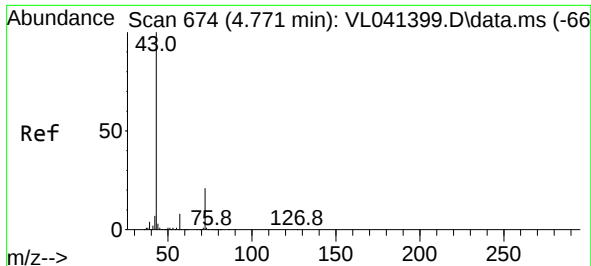


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02



Tgt Ion:114 Resp: 3038335
Ion Ratio Lower Upper
114 100
63 24.9 20.3 30.5
88 17.9 14.3 21.5





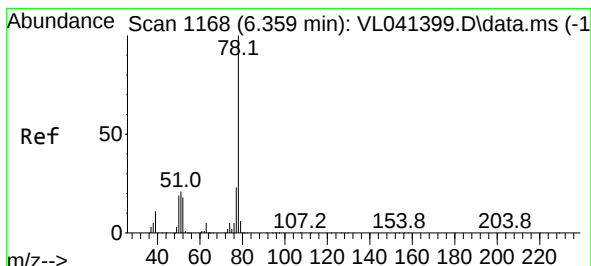
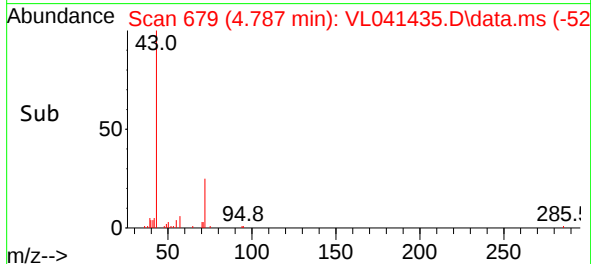
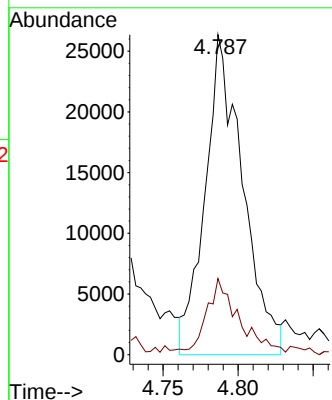
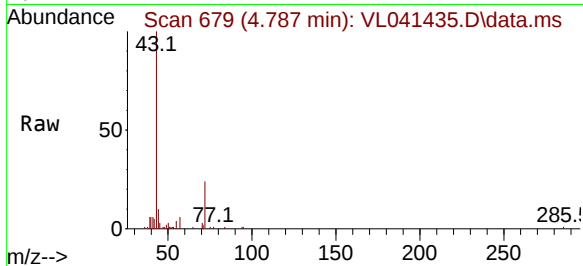
#34
2-Butanone
Concen: 0.313 ppbv m
RT: 4.787 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06

Tgt Ion: 43 Resp: 4600
Ion Ratio Lower Upper
43 100
72 22.2 17.3 25.9

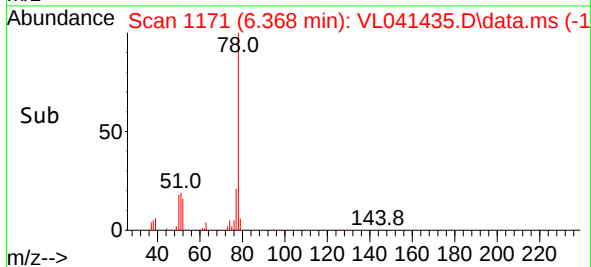
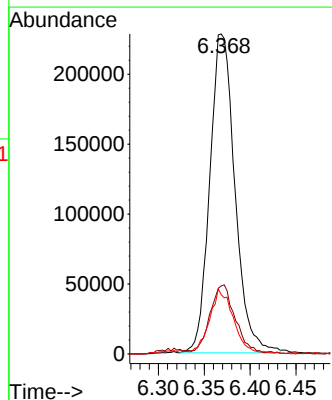
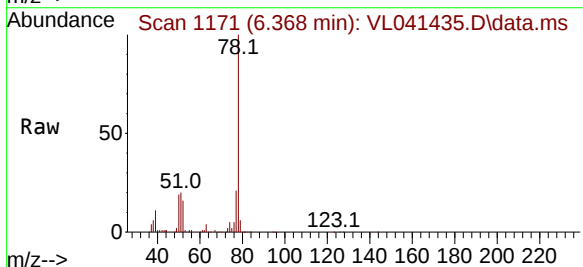
Manual Integrations
APPROVED

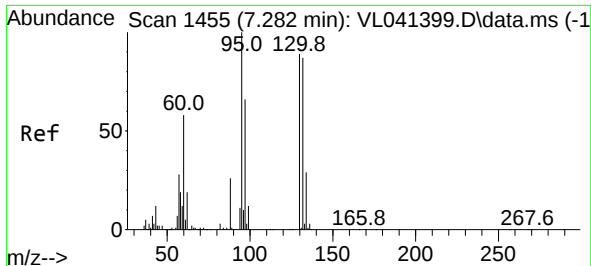
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#36
Benzene
Concen: 1.960 ppbv
RT: 6.368 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

Tgt Ion: 78 Resp: 435245
Ion Ratio Lower Upper
78 100
77 21.1 18.1 27.1
50 18.4 15.5 23.3





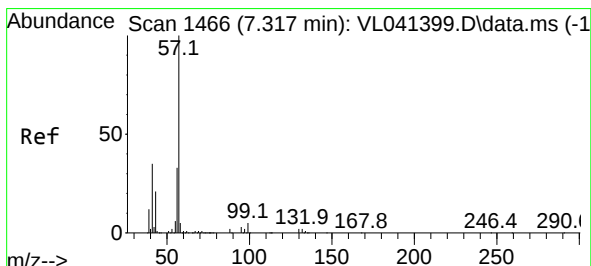
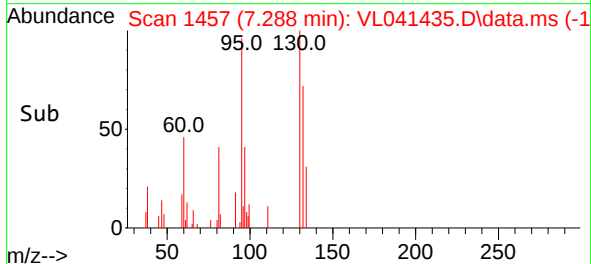
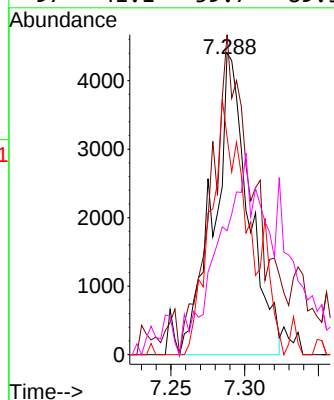
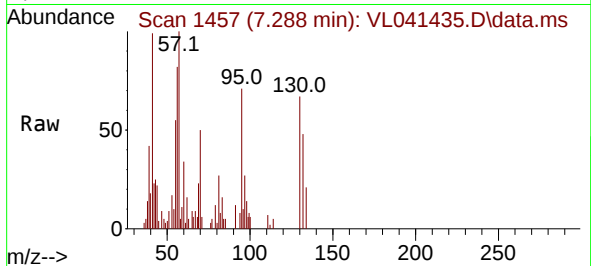
#38
Trichloroethene
Concen: 0.071 ppbv m
RT: 7.288 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

Instrument : MSVOA_L
ClientSampleId : ACVI-SS-06

Tgt Ion:130	Resp:	7235
Ion Ratio	Lower	Upper
130	100	
95	106.1	90.2 135.2
132	72.2	78.1 117.1
97	41.1	59.7 89.5

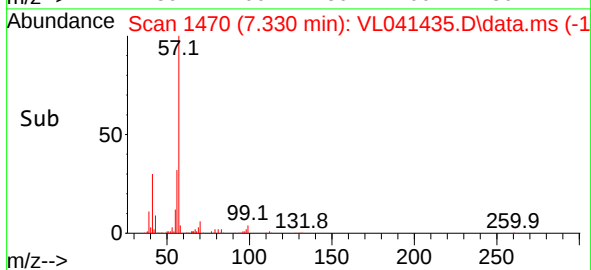
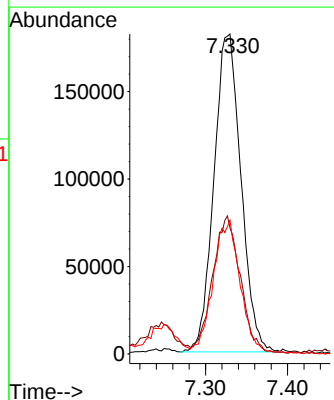
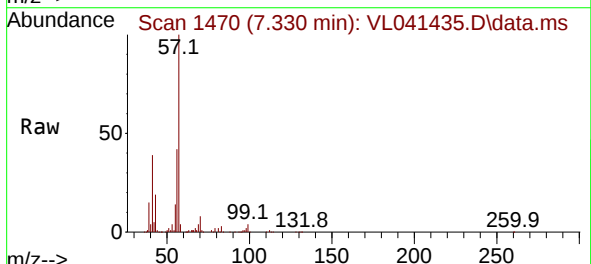
Manual Integrations
APPROVED

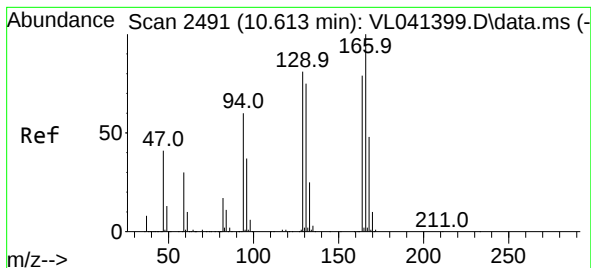
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#44
2,2,4-Trimethylpentane
Concen: 1.124 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.013 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

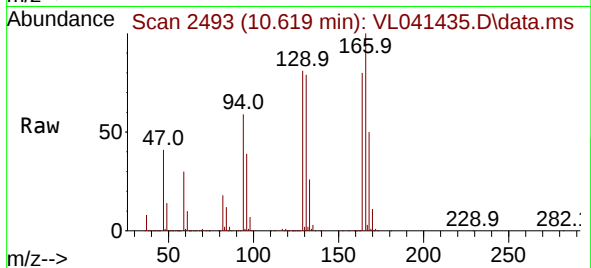
Tgt Ion: 57	Resp:	416754
Ion Ratio	Lower	Upper
57	100	
41	43.8	27.0 40.6
56	42.7	25.2 37.8





#52
Tetrachloroethene
Concen: 34.347 ppbv
RT: 10.619 min Scan# 2491
Delta R.T. 0.010 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

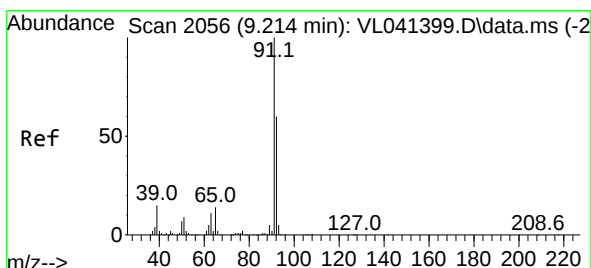
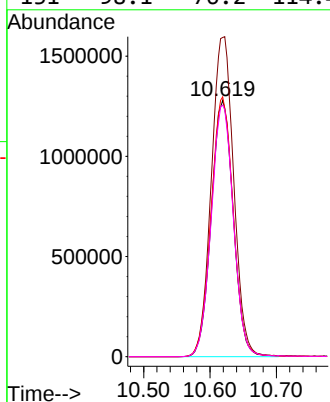
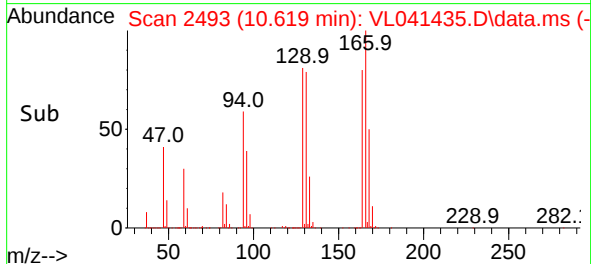
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



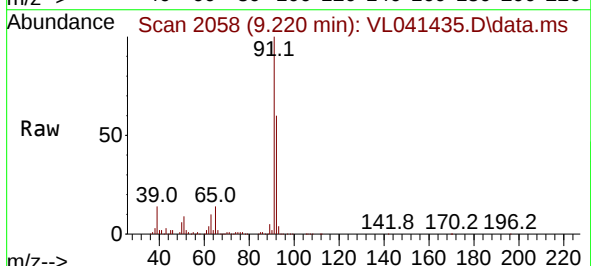
Tgt Ion:164 Resp: 2946479
Ion Ratio Lower Upper
164 100
166 124.6 101.1 151.7
129 101.4 81.7 122.5
131 98.1 76.2 114.4

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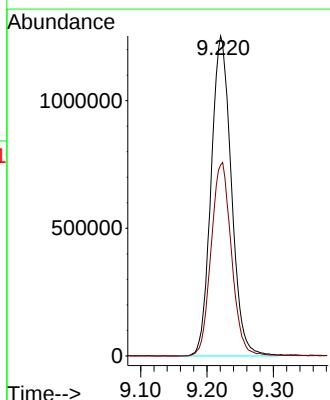
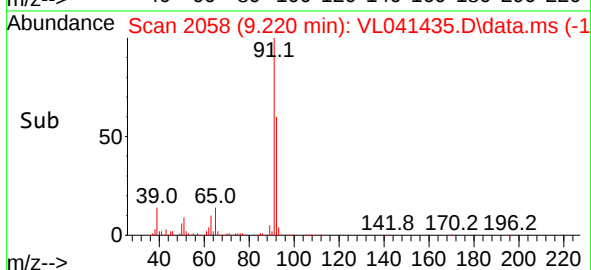
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

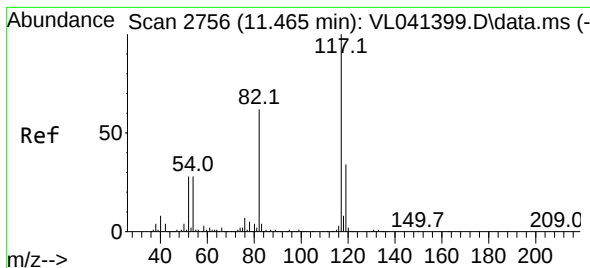


#53
Toluene
Concen: 10.740 ppbv
RT: 9.220 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02



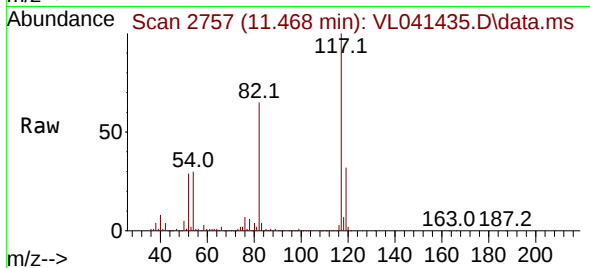
Tgt Ion: 91 Resp: 2655944
Ion Ratio Lower Upper
91 100
92 61.0 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

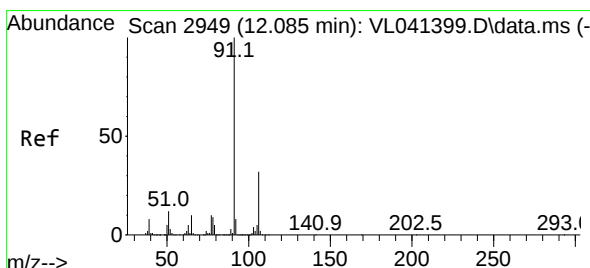
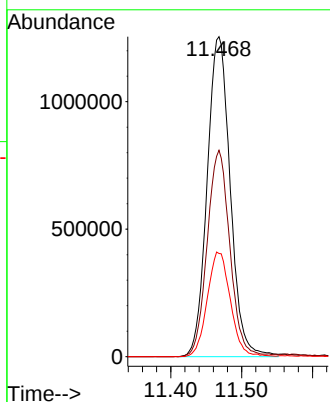
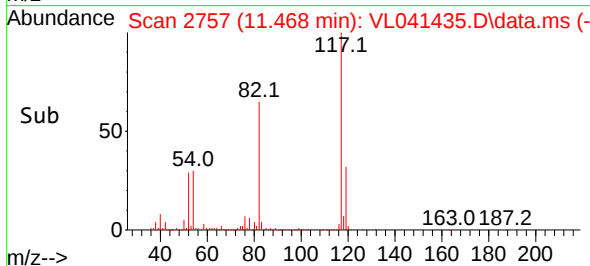
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



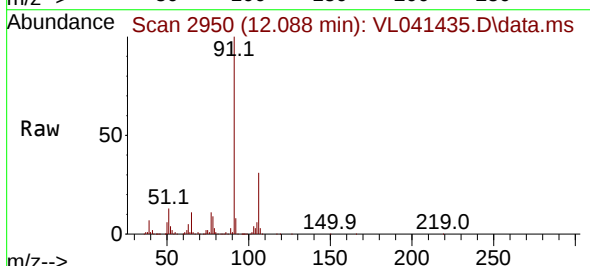
Tgt Ion: 117 Resp: 2843572
Ion Ratio Lower Upper
117 100
82 63.8 51.0 76.6
119 32.7 45.2 67.8

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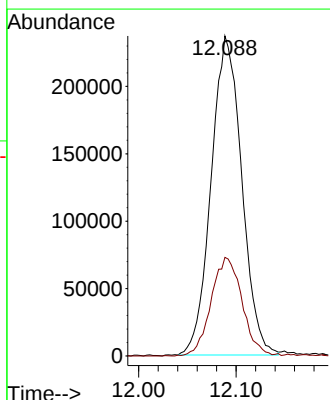
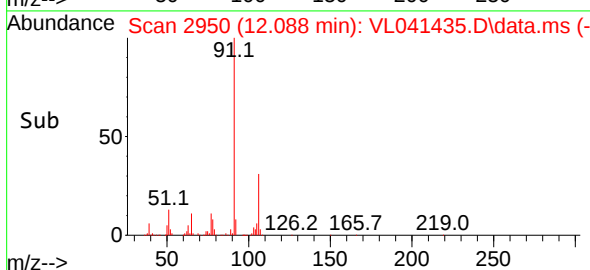
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

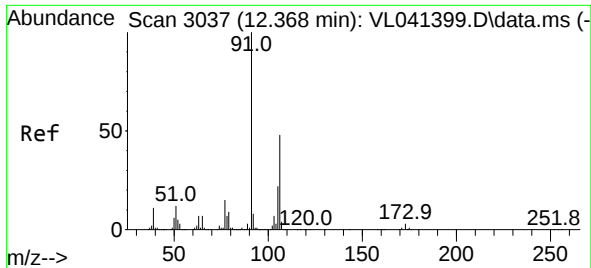


#58
Ethyl Benzene
Concen: 1.574 ppbv
RT: 12.088 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02



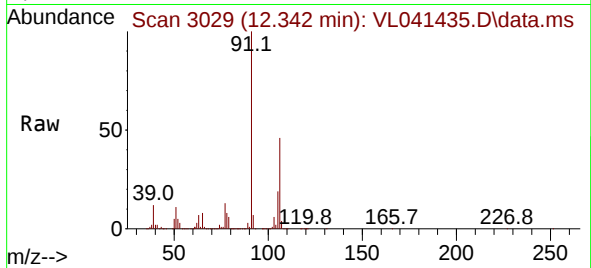
Tgt Ion: 91 Resp: 515887
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8





#59
m/p-Xylene
Concen: 5.554 ppbv
RT: 12.342 min Scan# 3037
Delta R.T. -0.026 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

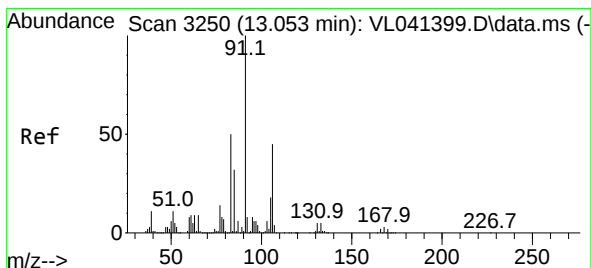
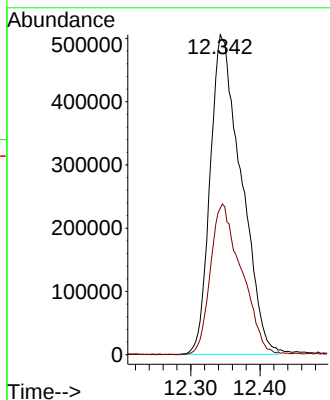
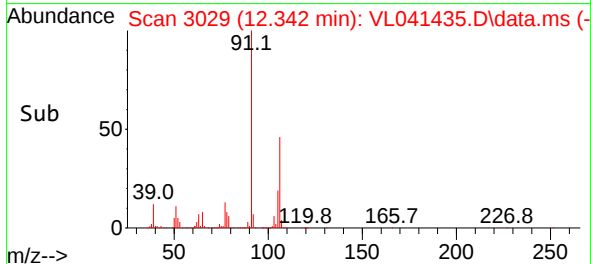
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



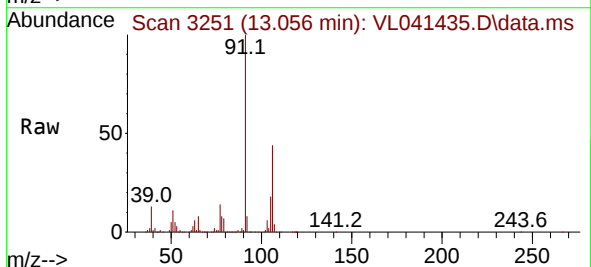
Tgt Ion: 91 Resp: 1571480
Ion Ratio Lower Upper
91 100
106 47.6 36.3 54.5

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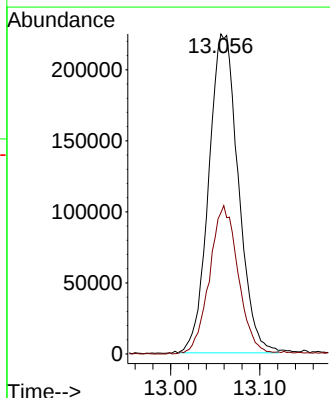
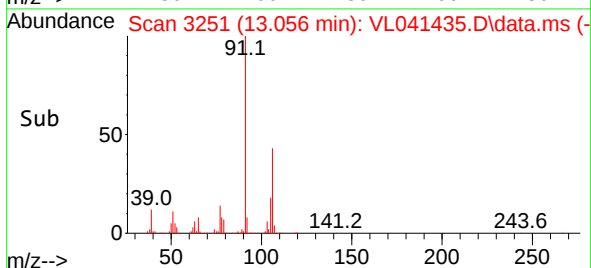
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

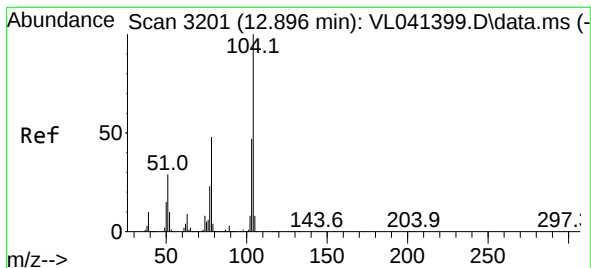


#60
o-Xylene
Concen: 1.936 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02



Tgt Ion: 91 Resp: 518277
Ion Ratio Lower Upper
91 100
106 45.6 23.1 69.3





#61

Styrene

Concen: 0.298 ppbv

RT: 12.899 min Scan# 3201

Delta R.T. 0.003 min

Lab File: VL041435.D

Acq: 29 Jul 2024 19:02

Instrument :

MSVOA_L

ClientSampleId :

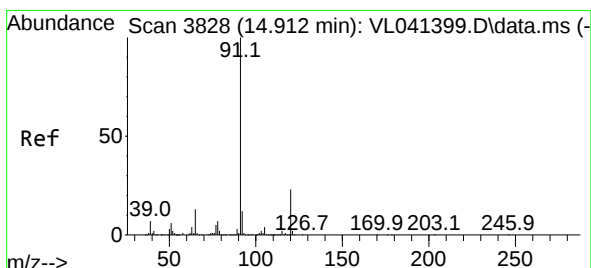
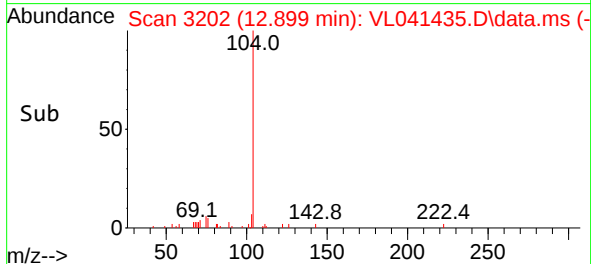
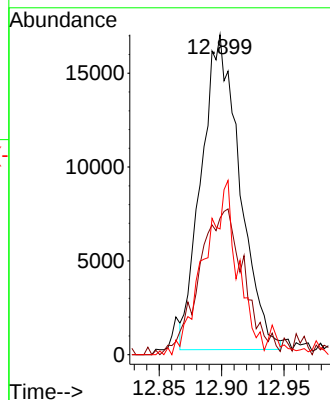
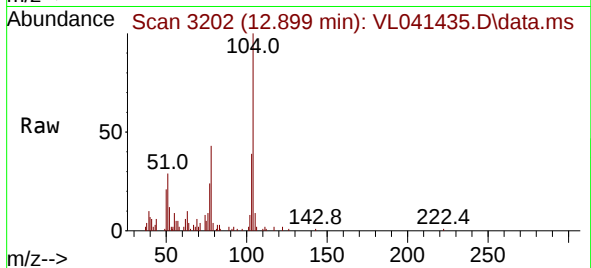
ACVI-SS-06

Tgt Ion:	104	Resp:	3596
Ion Ratio	Lower	Upper	
104	100		
78	57.5	40.8	61.2
103	52.3	38.2	57.4

Manual Integrations

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



#64

n-propylbenzene

Concen: 0.193 ppbv m

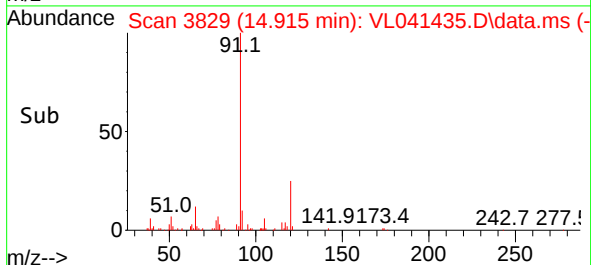
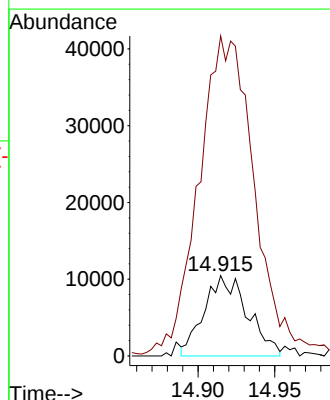
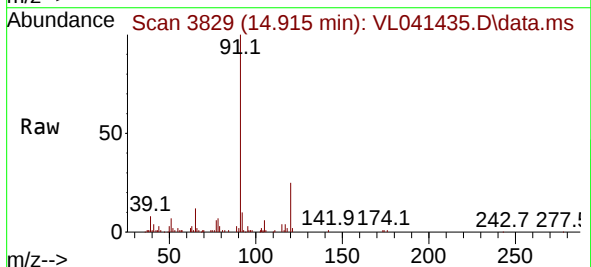
RT: 14.915 min Scan# 3829

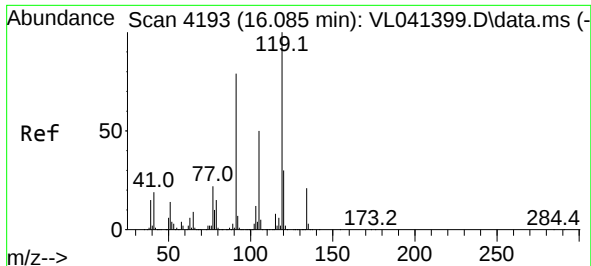
Delta R.T. -0.000 min

Lab File: VL041435.D

Acq: 29 Jul 2024 19:02

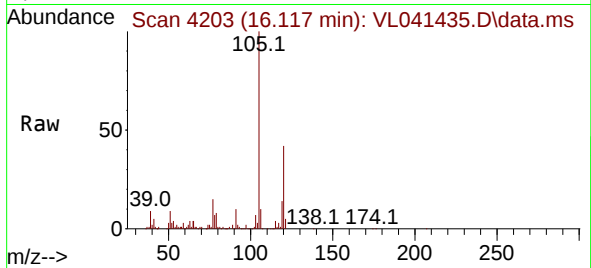
Tgt Ion:	120	Resp:	20529
Ion Ratio	Lower	Upper	
120	100		
91	514.0	361.4	542.0





#65
tert-Butylbenzene
Concen: 0.102 ppbv m
RT: 16.117 min Scan# 4193
Delta R.T. 0.026 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

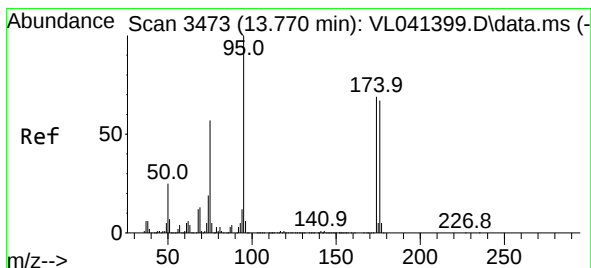
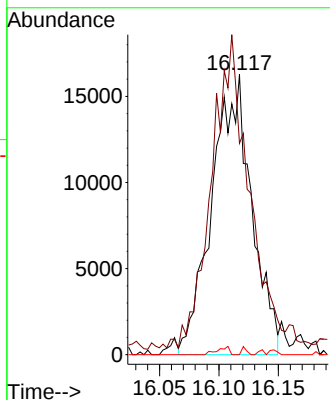
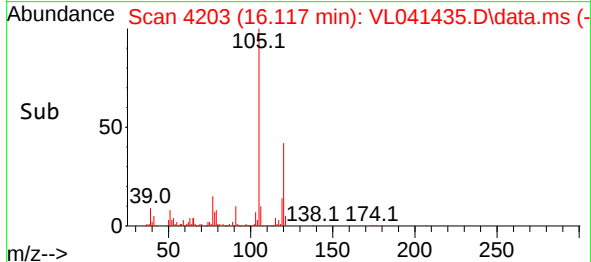
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



Tgt Ion: 119 Resp: 37600
Ion Ratio Lower Upper
119 100
91 115.3 64.2 96.2
134 1.2 15.7 23.5

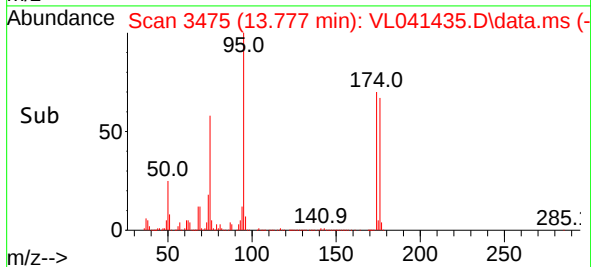
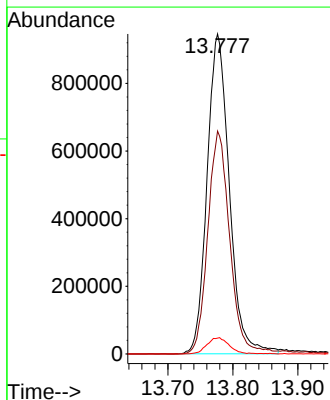
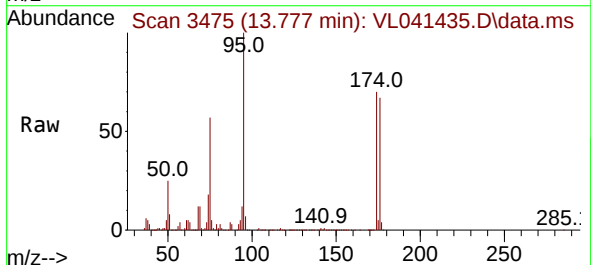
Manual Integrations
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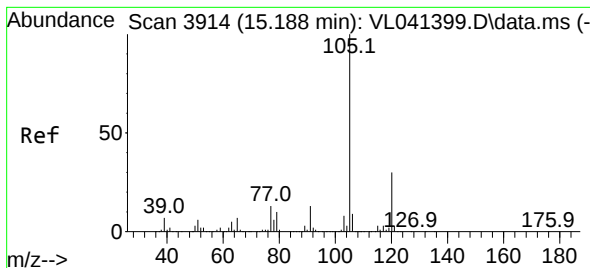
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 10.276 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.003 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

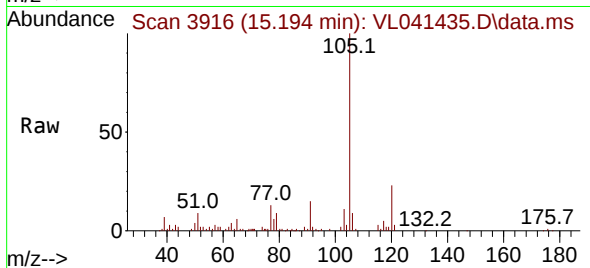
Tgt Ion: 95 Resp: 2248620
Ion Ratio Lower Upper
95 100
174 70.3 56.3 84.5
175 5.1 4.0 6.0





#72
4-Ethyltoluene
Concen: 0.402 ppbv
RT: 15.194 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02

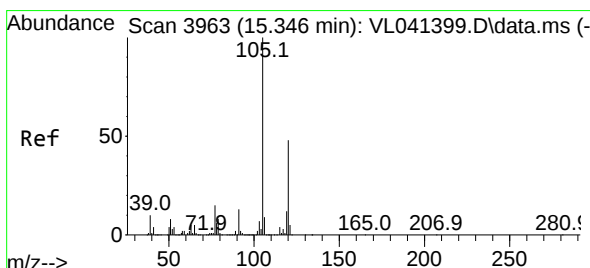
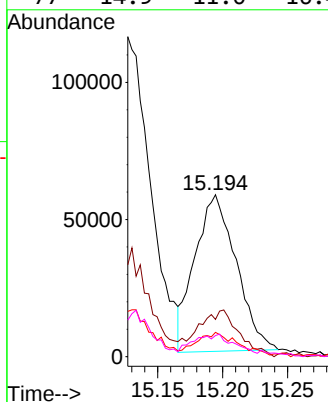
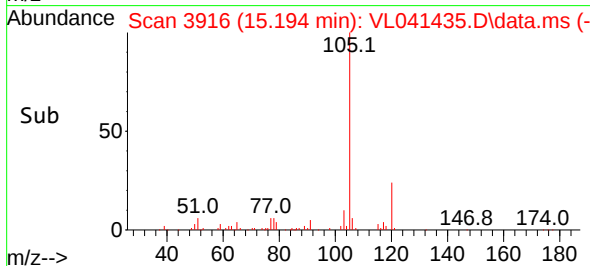
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-06



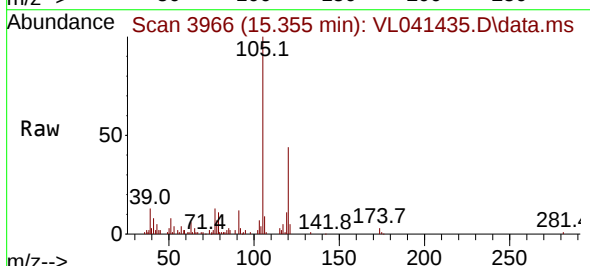
Tgt Ion:105 Resp: 126678
Ion Ratio Lower Upper
105 100
120 29.8 24.2 36.2
91 15.7 10.4 15.6
77 14.9 11.0 16.4

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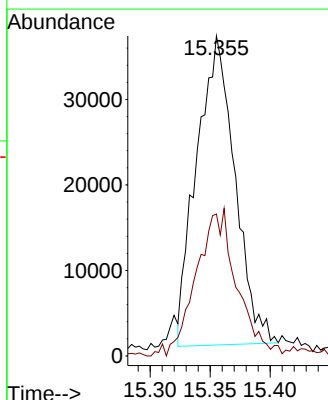
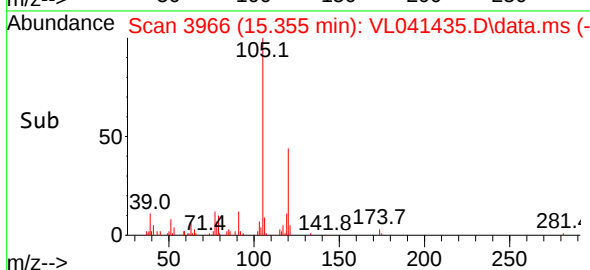
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

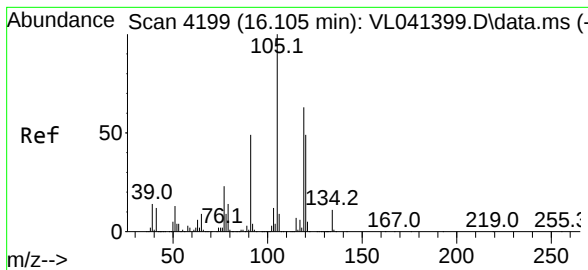


#73
1,3,5-Trimethylbenzene
Concen: 0.295 ppbv
RT: 15.355 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VL041435.D
Acq: 29 Jul 2024 19:02



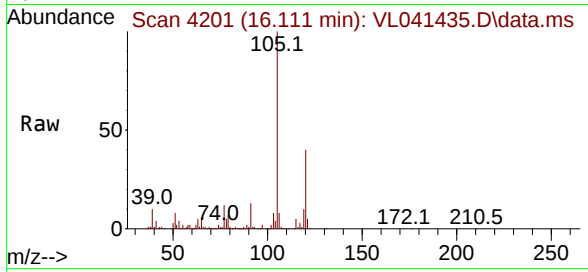
Tgt Ion:105 Resp: 80005
Ion Ratio Lower Upper
105 100
120 42.9 38.6 57.8





#74
 1,2,4-Trimethylbenzene
 Concen: 1.084 ppbv
 RT: 16.111 min Scan# 4199
 Delta R.T. 0.003 min
 Lab File: VL041435.D
 Acq: 29 Jul 2024 19:02

Instrument : MSVOA_L
 ClientSampleId : ACVI-SS-06



Tgt Ion:	105	Resp:	341972
Ion Ratio	Lower	Upper	
105	100		
120	40.4	39.5	59.3
91	12.2	39.8	59.8
77	11.5	18.2	27.4

Manual Integrations
 APPROVED

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

