

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040523\
 Data File : VL040316.D
 Acq On : 5 Apr 2023 14:16
 Operator : SY/MD
 Sample : 02168-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/06/2023
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 07:51:07 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	926648	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	2778426	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.455	117	2512854	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2032362	9.658	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.652	51	12689m	0.109	ppbv	
9) Propene	2.668	41	10720	0.240	ppbv	90
13) Ethanol	3.243	45	39042	11.925	ppbv	95
15) Acetone	3.462	43	301428	2.672	ppbv	98
20) Methylene Chloride	3.915	84	394860	8.320	ppbv	96
23) Vinyl Acetate	4.616	43	66899m	2.132	ppbv	
26) Hexane	5.195	57	254198	2.932	ppbv #	36
29) Chloroform	5.259	83	26443	0.173	ppbv	97
34) 2-Butanone	4.793	43	22911m	0.167	ppbv	
52) Tetrachloroethene	10.603	164	6698m	0.105	ppbv	
53) Toluene	9.211	91	65560	0.295	ppbv	95
74) 1,2,4-Trimethylbenzene	16.092	105	58944	0.208	ppbv #	68

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

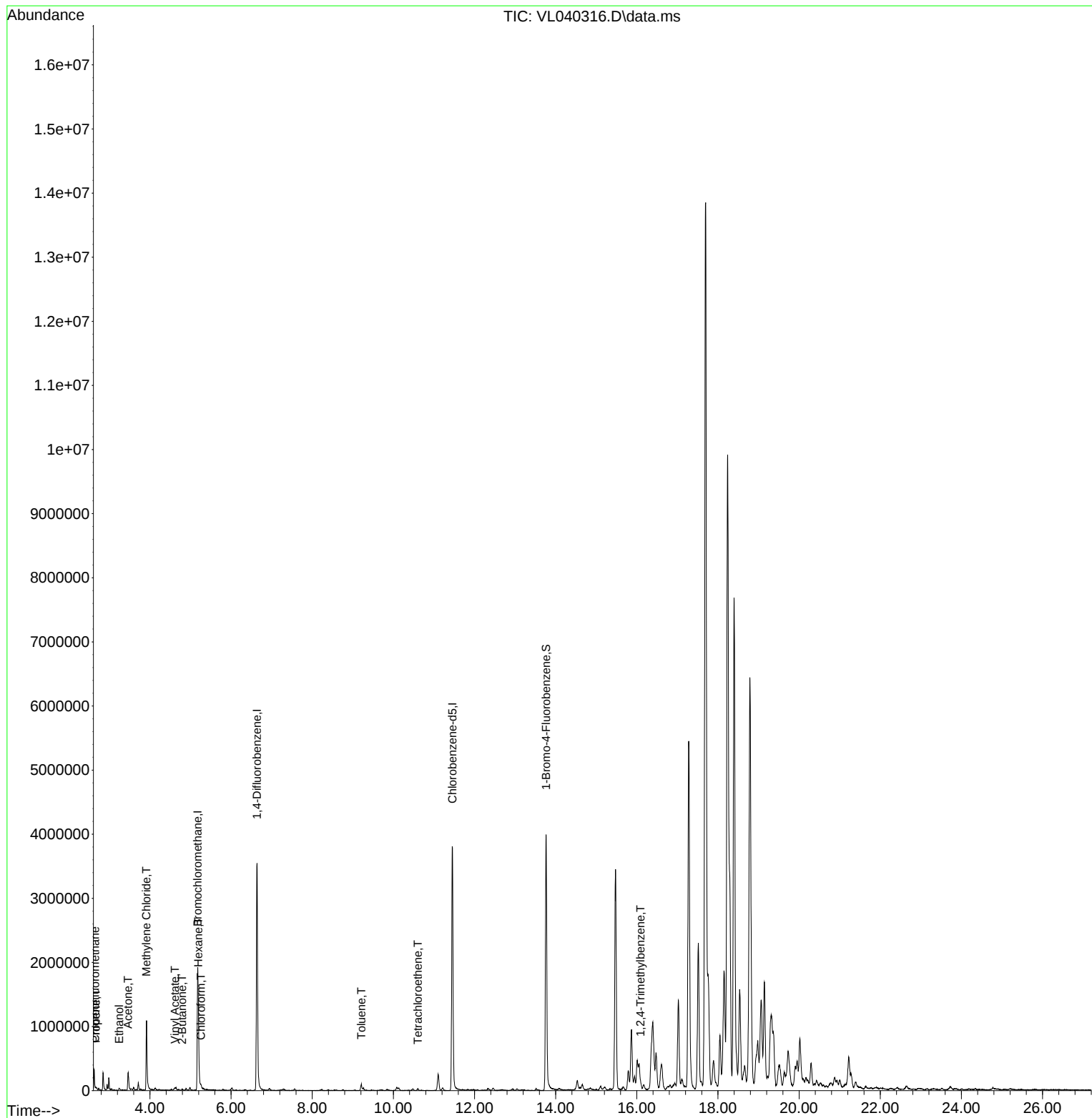
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040523\
Data File : VL040316.D
Acq On : 5 Apr 2023 14:16
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

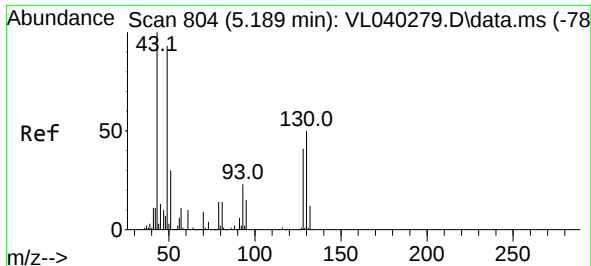
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Apr 06 07:51:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 15 16:14:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

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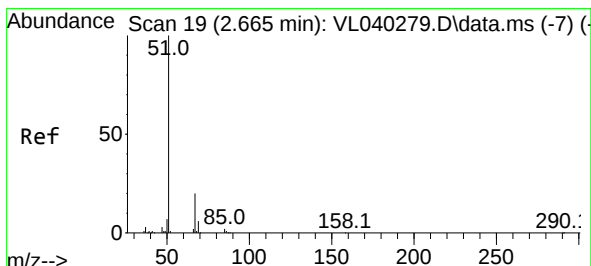
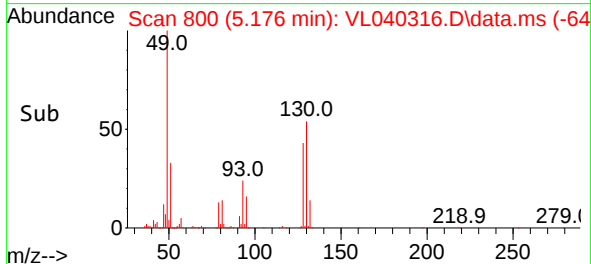
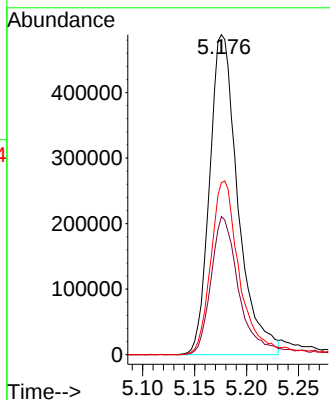
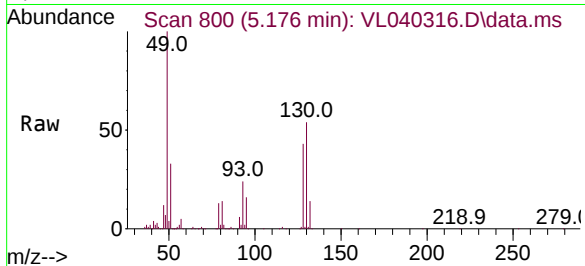
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 92664
Ion Ratio Lower Upper
49 100
128 44.5 22.4 67.3
130 57.4 28.7 86.1

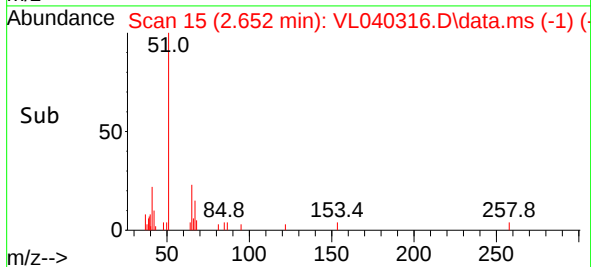
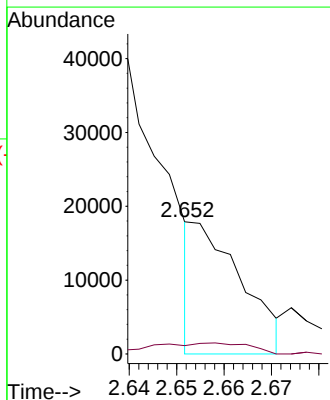
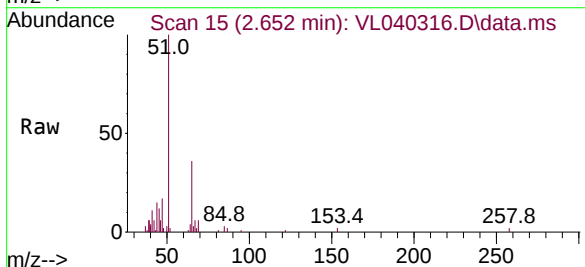
Manual Integrations
APPROVED

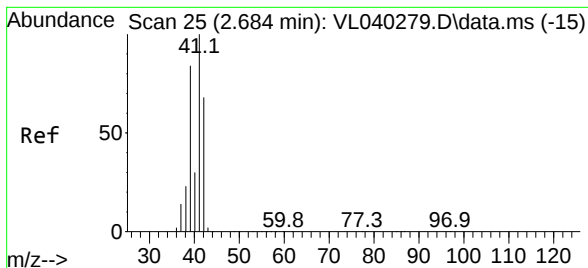
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#3
Chlorodifluoromethane
Concen: 0.109 ppbv m
RT: 2.652 min Scan# 15
Delta R.T. -0.013 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16

Tgt Ion: 51 Resp: 12689
Ion Ratio Lower Upper
51 100
67 0.0 16.0 24.0





#9

Propene

Concen: 0.240 ppbv

RT: 2.668 min Scan# 20

Delta R.T. -0.016 min

Lab File: VL040316.D

Acq: 5 Apr 2023 14:16

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 41 Resp: 10720

Ion Ratio Lower Upper

41 100

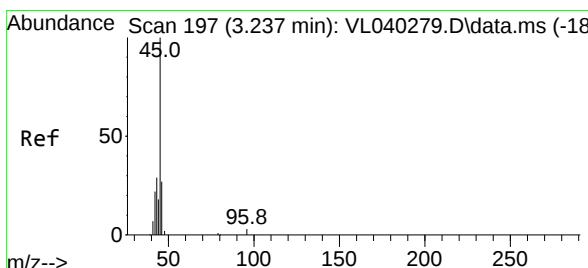
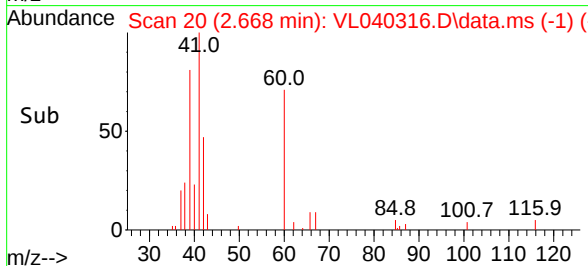
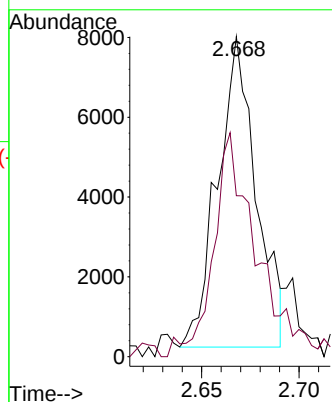
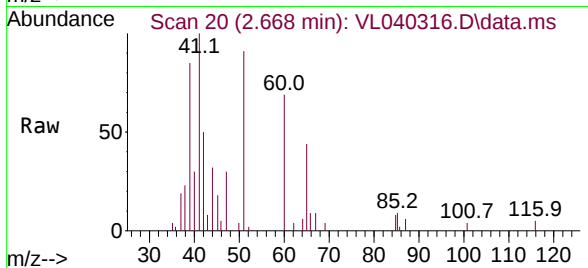
42 82.3 59.0 88.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/06/2023

Supervised By :Mahesh Dadoda 04/06/2023



#13

Ethanol

Concen: 11.925 ppbv

RT: 3.243 min Scan# 199

Delta R.T. 0.006 min

Lab File: VL040316.D

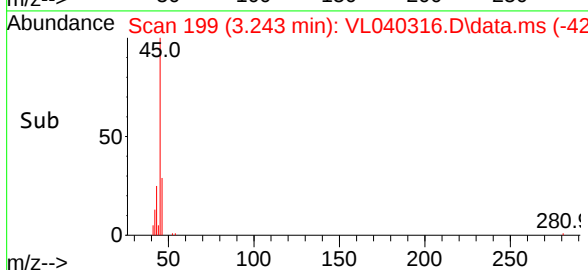
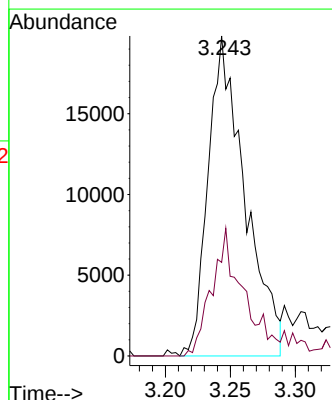
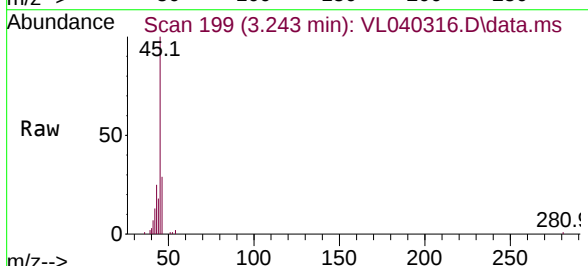
Acq: 5 Apr 2023 14:16

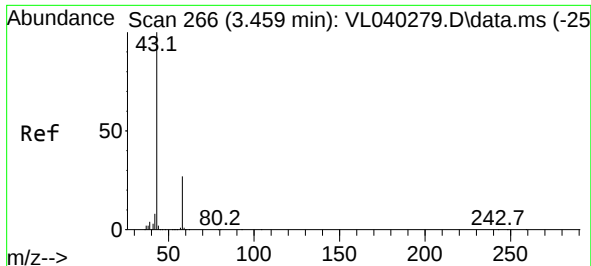
Tgt Ion: 45 Resp: 39042

Ion Ratio Lower Upper

45 100

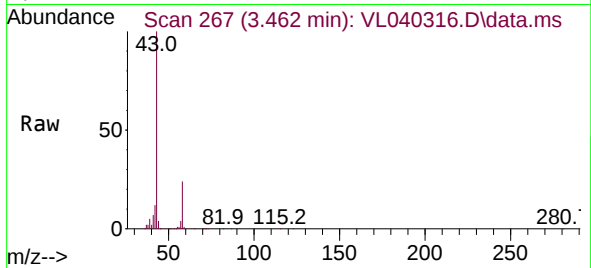
46 34.4 15.0 60.2





#15
Acetone
Concen: 2.672 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16

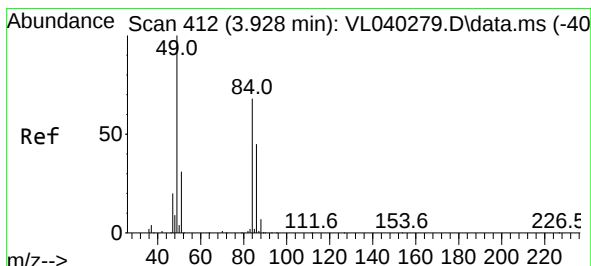
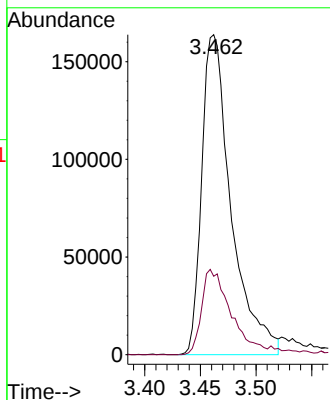
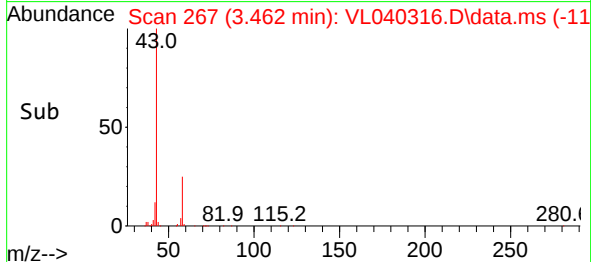
Instrument :
MSVOA_L
ClientSampleId :
SV2



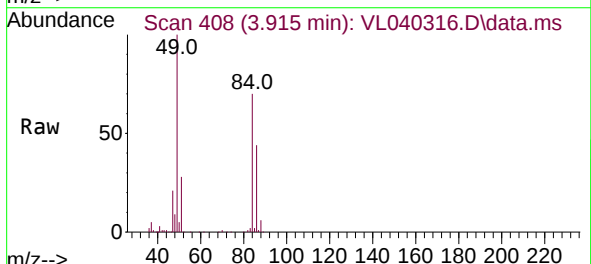
Tgt Ion: 43 Resp: 301428
Ion Ratio Lower Upper
43 100
58 28.2 21.8 32.8

Manual Integrations
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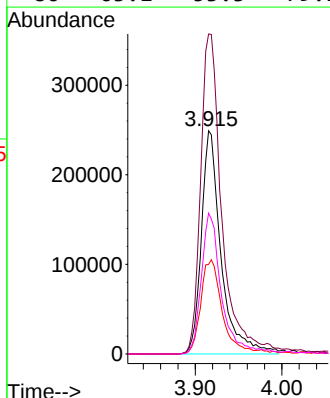
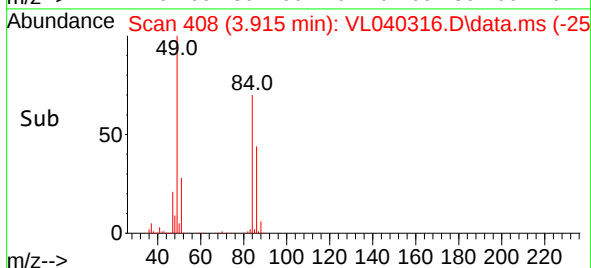
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023

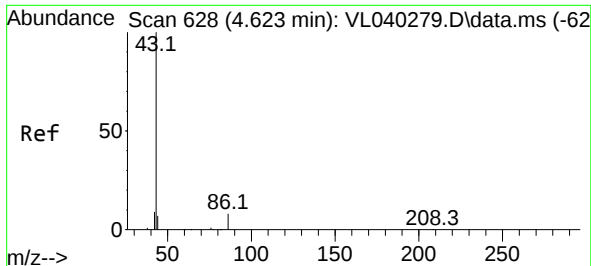


#20
Methylene Chloride
Concen: 8.320 ppbv
RT: 3.915 min Scan# 408
Delta R.T. -0.013 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16



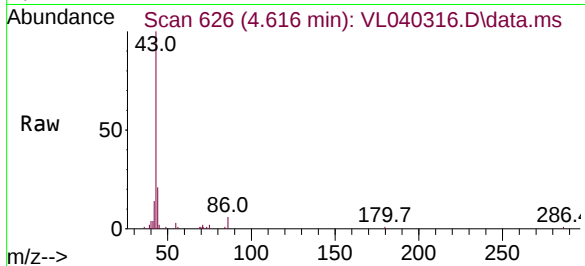
Tgt Ion: 84 Resp: 394860
Ion Ratio Lower Upper
84 100
49 143.4 117.5 176.3
51 40.1 36.9 55.3
86 63.1 53.3 79.9





#23
 Vinyl Acetate
 Concen: 2.132 ppbv m
 RT: 4.616 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: VL040316.D
 Acq: 5 Apr 2023 14:16

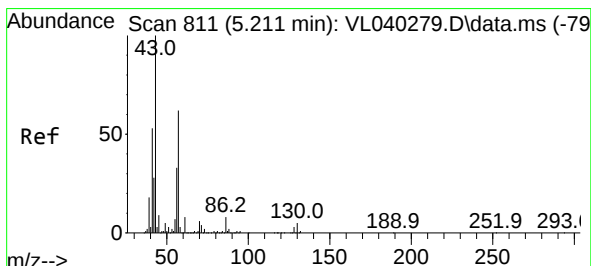
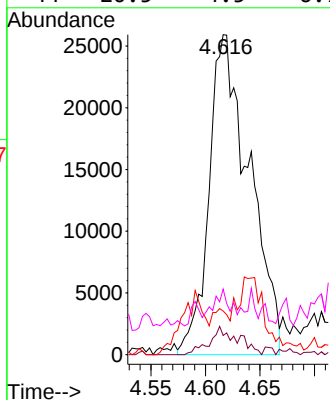
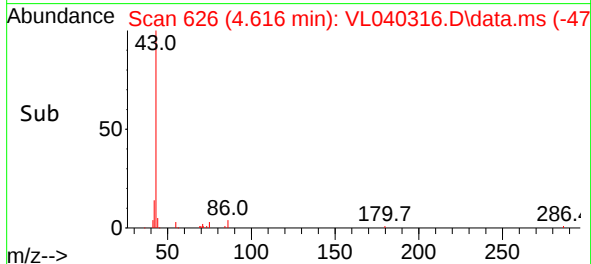
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 43 Resp: 6689
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.0 7.4
 42 13.6 9.1 13.7
 44 20.5 4.5 6.7#

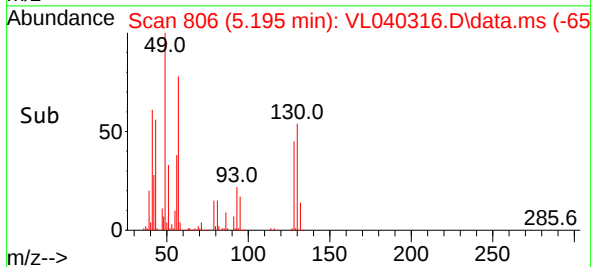
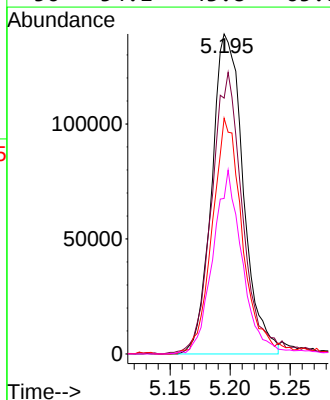
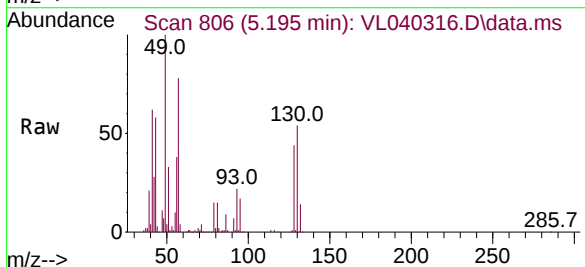
Manual Integrations
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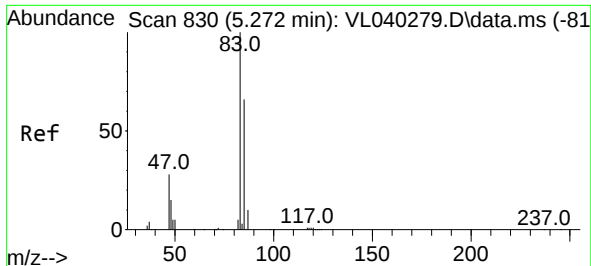
Reviewed By :Semsettin Yesilyurt 04/06/2023
 Supervised By :Mahesh Dadoda 04/06/2023



#26
 Hexane
 Concen: 2.932 ppbv
 RT: 5.195 min Scan# 806
 Delta R.T. -0.016 min
 Lab File: VL040316.D
 Acq: 5 Apr 2023 14:16

Tgt Ion: 57 Resp: 254198
 Ion Ratio Lower Upper
 57 100
 41 88.6 73.5 110.3
 43 72.4 196.3 294.5#
 56 54.1 43.8 65.8





#29

Chloroform

Concen: 0.173 ppbv

RT: 5.259 min Scan# 81

Delta R.T. -0.013 min

Lab File: VL040316.D

Acq: 5 Apr 2023 14:16

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 83 Resp: 2644

Ion Ratio Lower Upper

83 100

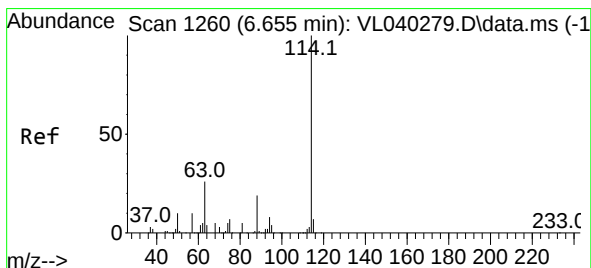
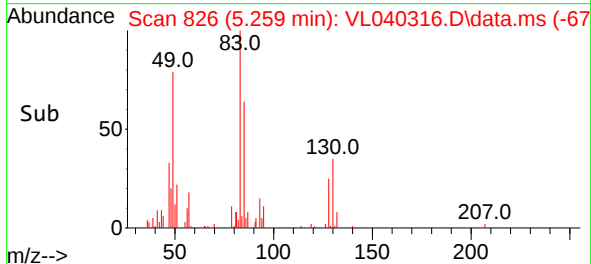
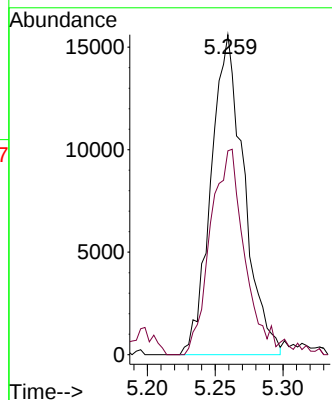
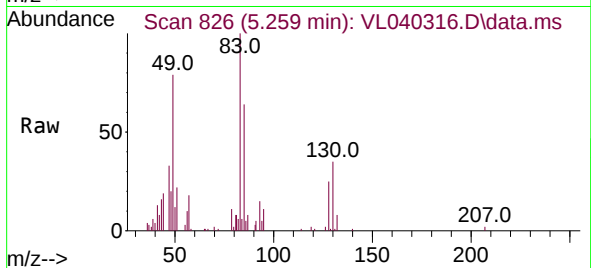
85 63.7 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/06/2023

Supervised By :Mahesh Dadoda 04/06/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VL040316.D

Acq: 5 Apr 2023 14:16

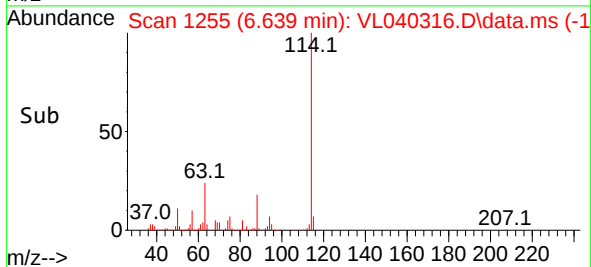
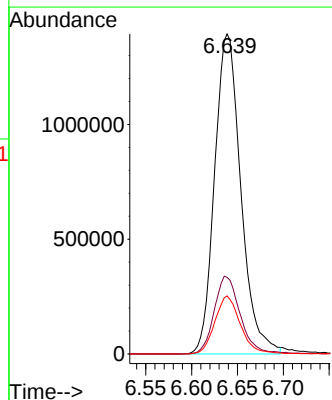
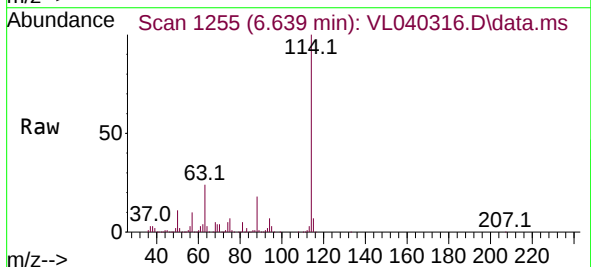
Tgt Ion:114 Resp: 2778426

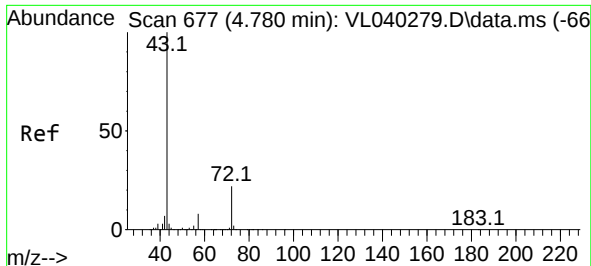
Ion Ratio Lower Upper

114 100

63 24.4 21.2 31.8

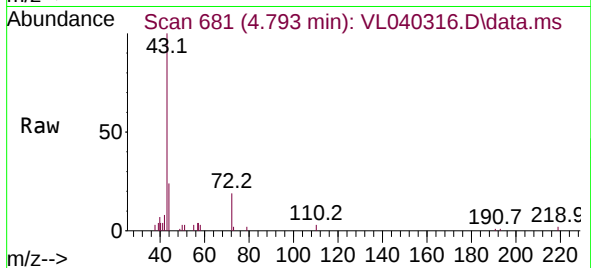
88 17.8 14.5 21.7





#34
2-Butanone
Concen: 0.167 ppbv m
RT: 4.793 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16

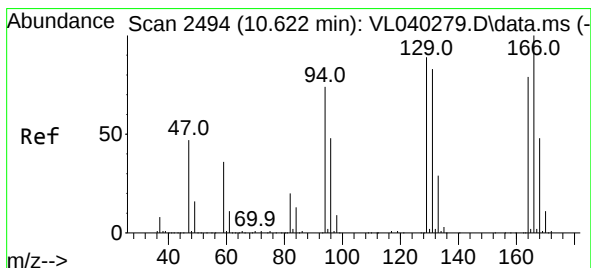
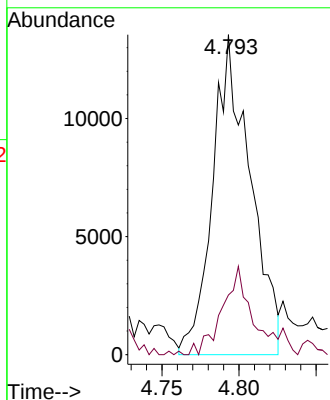
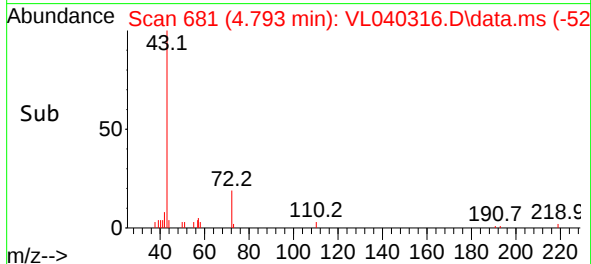
Instrument :
MSVOA_L
ClientSampleId :
SV2



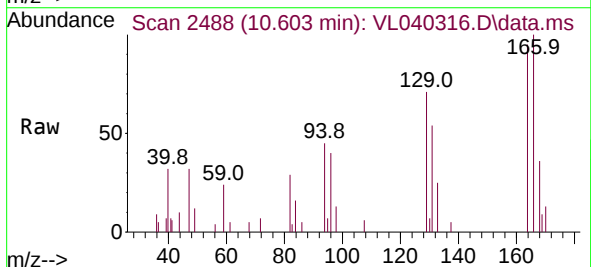
Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
72 11.7 18.3 27.5

Manual Integrations
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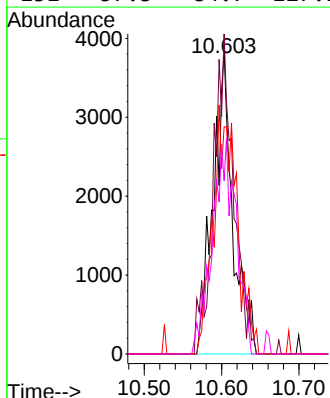
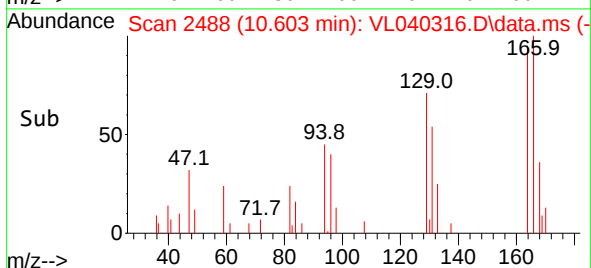
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023

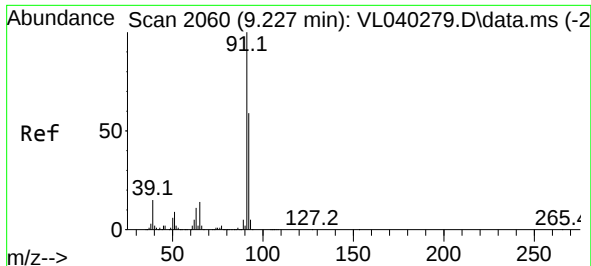


#52
Tetrachloroethene
Concen: 0.105 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. -0.019 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16



Tgt Ion:164 Resp: 6698
Ion Ratio Lower Upper
164 100
166 105.8 101.8 152.6
129 75.1 90.2 135.2#
131 57.3 84.7 127.1#





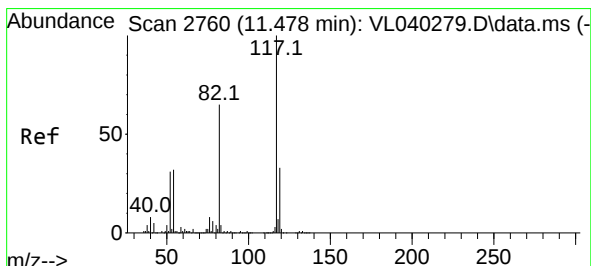
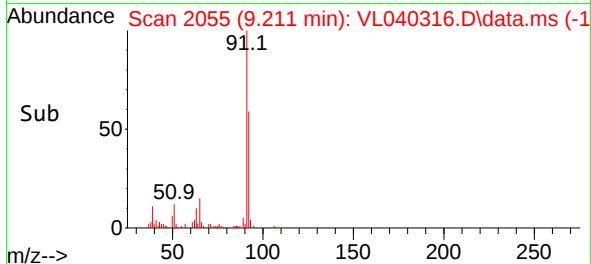
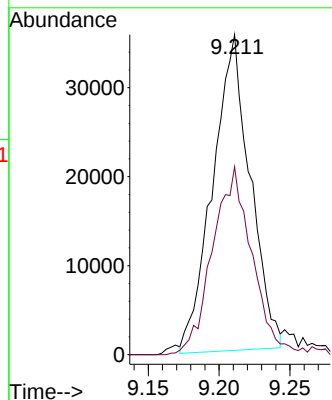
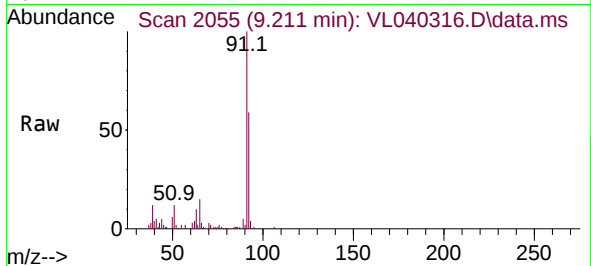
#53
Toluene
Concen: 0.295 ppbv
RT: 9.211 min Scan# 2060
Delta R.T. -0.016 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 65560
Ion Ratio Lower Upper
91 100
92 63.6 48.0 72.0

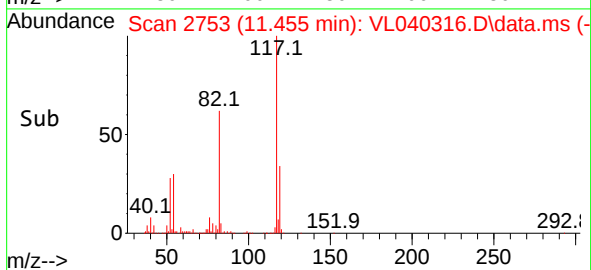
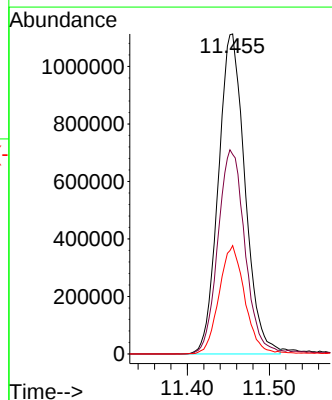
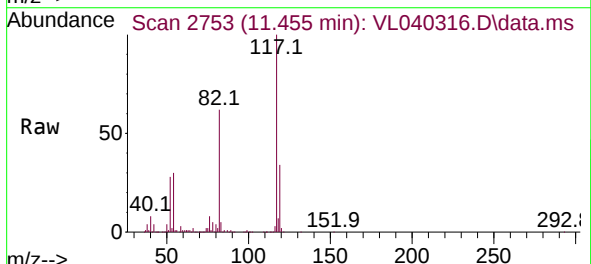
Manual Integrations
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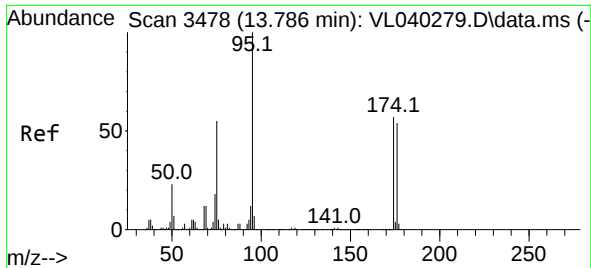
Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.023 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16

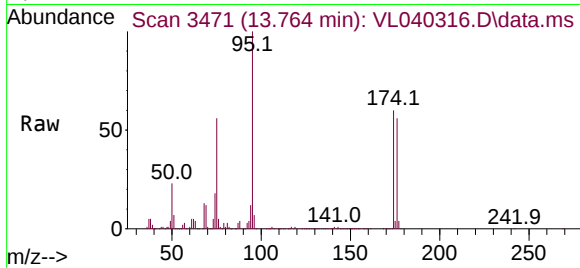
Tgt Ion:117 Resp: 2512854
Ion Ratio Lower Upper
117 100
82 66.3 51.4 77.2
119 33.3 24.0 36.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.658 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.022 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16

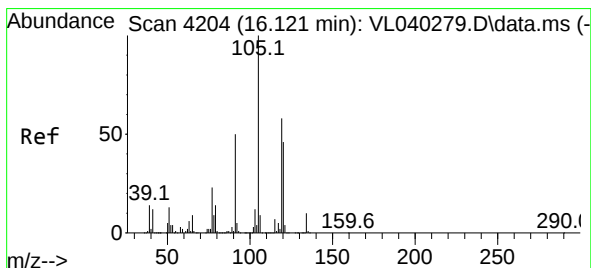
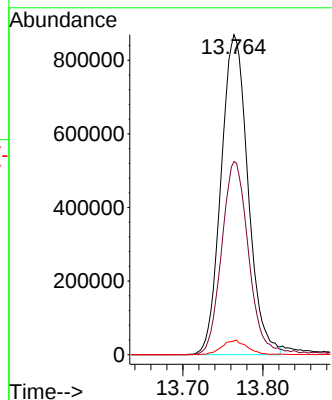
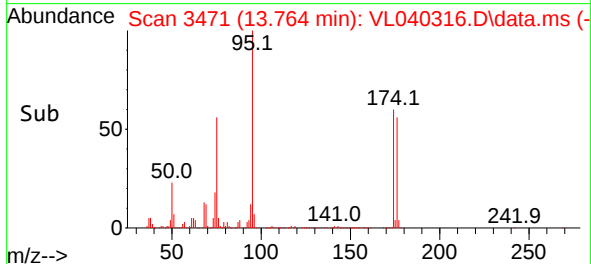
Instrument :
MSVOA_L
ClientSampleId :
SV2



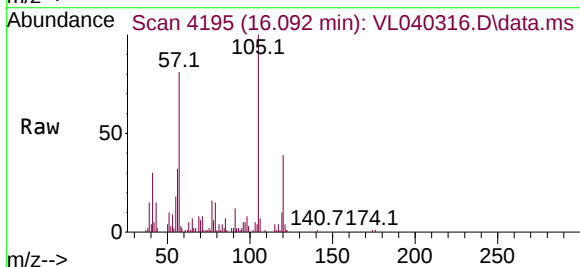
Tgt Ion: 95 Resp: 203236
Ion Ratio Lower Upper
95 100
174 60.7 47.0 70.6
175 4.4 3.4 5.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/06/2023
Supervised By :Mahesh Dadoda 04/06/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.208 ppbv
RT: 16.092 min Scan# 4195
Delta R.T. -0.029 min
Lab File: VL040316.D
Acq: 5 Apr 2023 14:16



Tgt Ion:105 Resp: 58944
Ion Ratio Lower Upper
105 100
120 39.7 36.6 54.8
91 9.1 39.9 59.9#
77 13.8 18.6 27.8#

