

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040144.D
 Acq On : 6 Feb 2023 13:36
 Operator : SY/MD
 Sample : 01438-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 05:54:56 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Tue Jan 31 05:24:57 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	939460	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2419201	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2065304	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1602450	9.336	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.400%
Target Compounds						
2) Dichlorodifluoromethane	2.719	85	21930	0.133	ppbv	89
3) Chlorodifluoromethane	2.661	51	12640	0.112	ppbv #	87
9) Propene	2.687	41	14273m	0.305	ppbv	
11) Trichlorofluoromethane	3.552	101	76791	0.467	ppbv	89
13) Ethanol	3.237	45	43541m	10.104	ppbv	
15) Acetone	3.462	43	212262m	1.884	ppbv	
19) Isopropyl Alcohol	3.581	45	71543	1.298	ppbv	99
20) Methylene Chloride	3.925	84	632882	12.732	ppbv	97
26) Hexane	5.205	57	287825	3.313	ppbv #	37
34) 2-Butanone	4.790	43	17350m	0.152	ppbv	
52) Tetrachloroethene	10.610	164	5143m	0.088	ppbv	
53) Toluene	9.217	91	32508	0.170	ppbv	94
74) 1,2,4-Trimethylbenzene	16.108	105	49668m	0.228	ppbv	

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

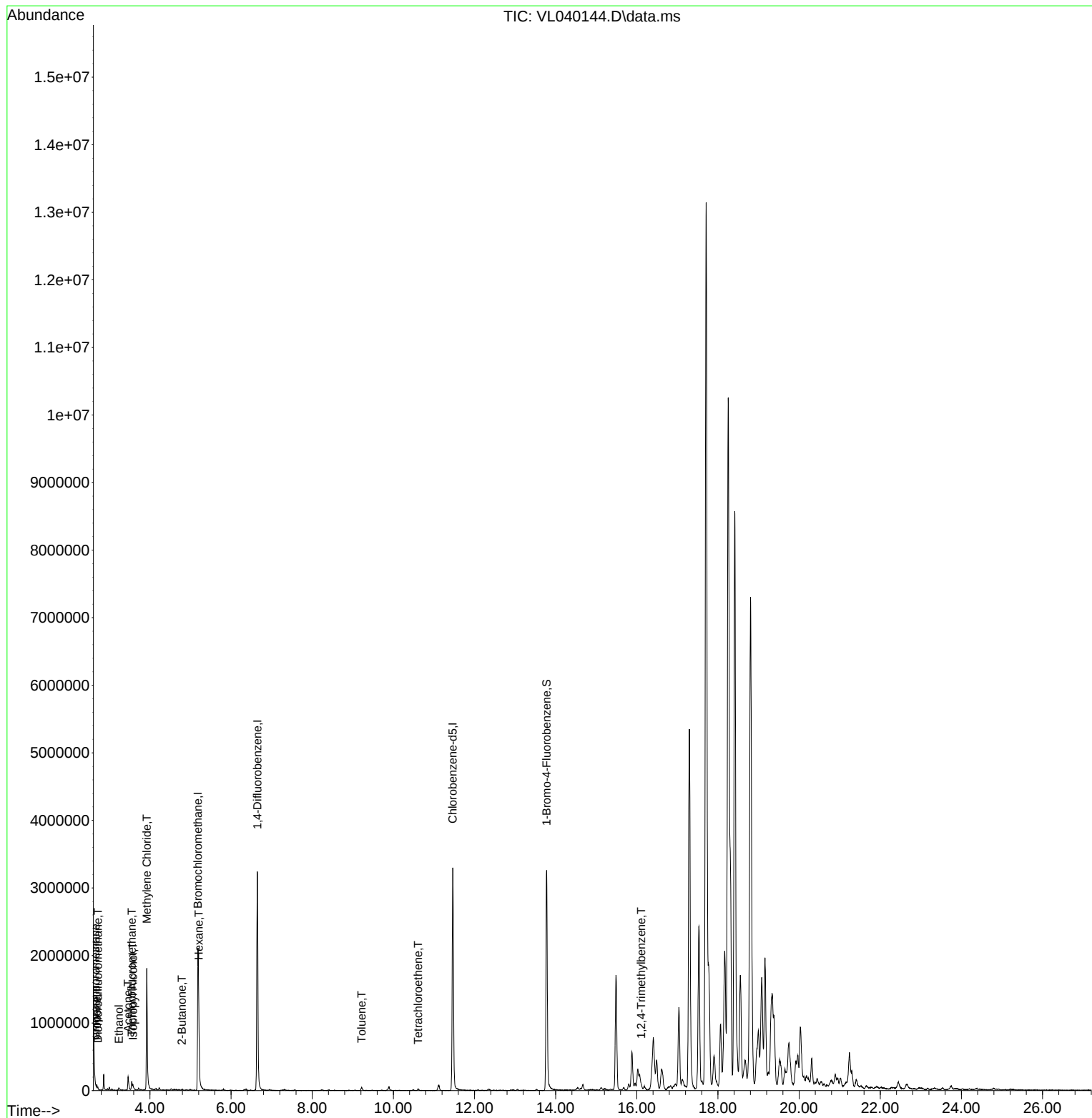
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
Data File : VL040144.D
Acq On : 6 Feb 2023 13:36
Operator : SY/MD
Sample : 01438-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

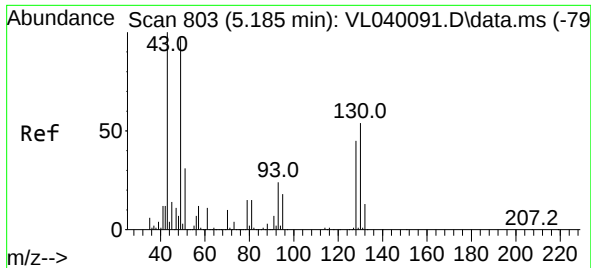
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Feb 07 05:54:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 31 05:24:57 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

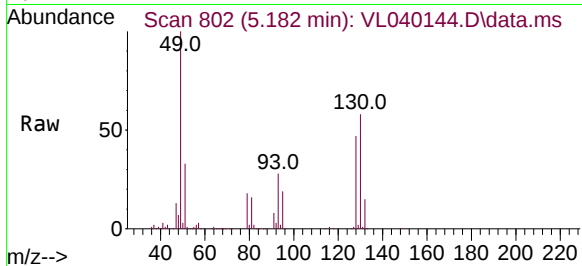
Reviewed By : Semsettin Yesilyurt 02/07/2023
Supervised By : Mahesh Dadoda 02/08/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

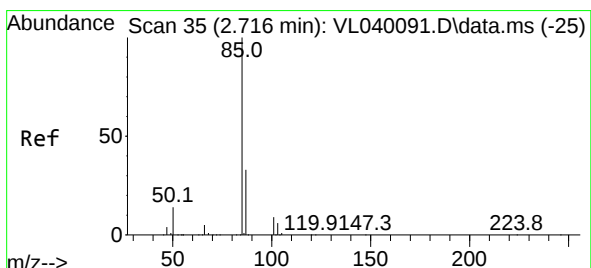
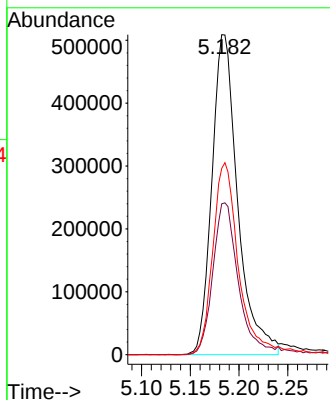
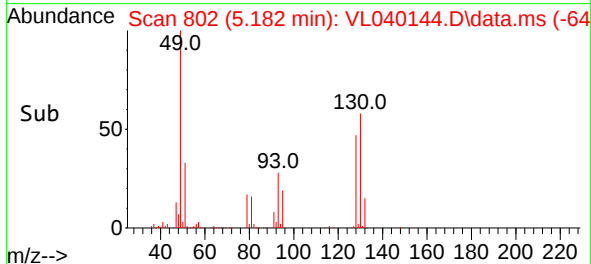
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 939460
Ion Ratio Lower Upper
49 100
128 49.3 23.6 71.0
130 61.8 29.8 89.3

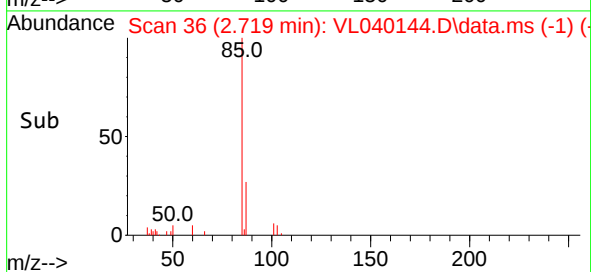
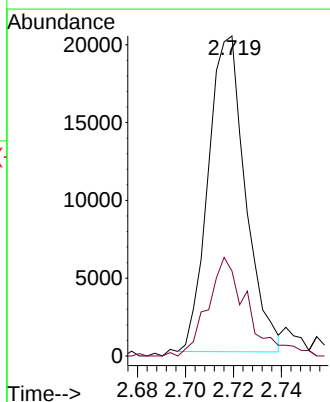
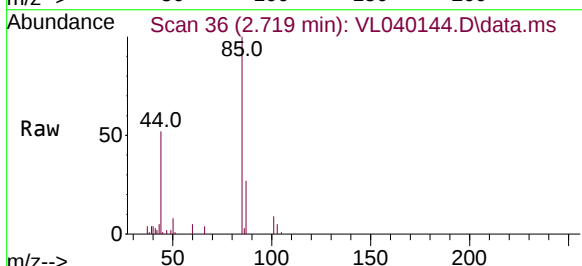
Manual Integrations
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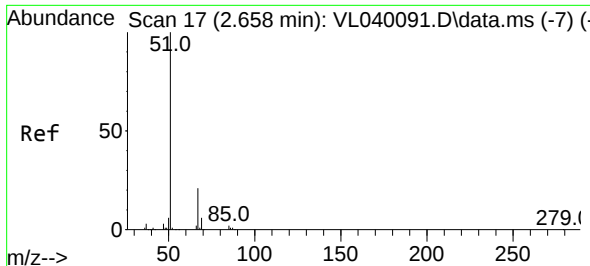
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#2
Dichlorodifluoromethane
Concen: 0.133 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.007 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

Tgt Ion: 85 Resp: 21930
Ion Ratio Lower Upper
85 100
87 26.9 26.5 39.7





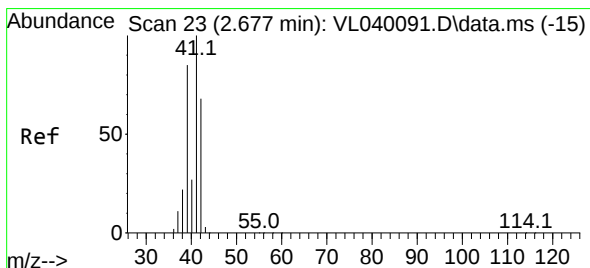
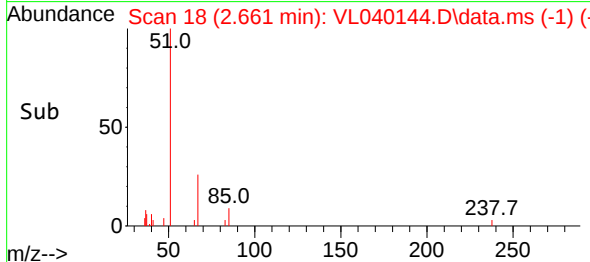
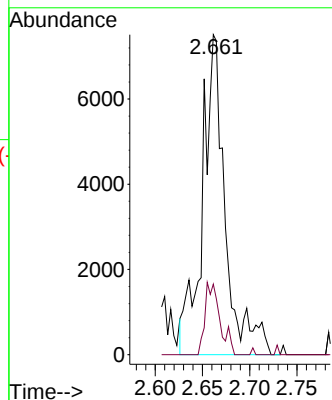
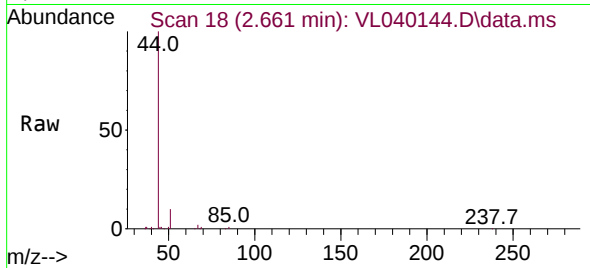
#3
Chlorodifluoromethane
Concen: 0.112 ppbv
RT: 2.661 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 12640
Ion Ratio Lower Upper
51 100
67 14.7 16.4 24.6

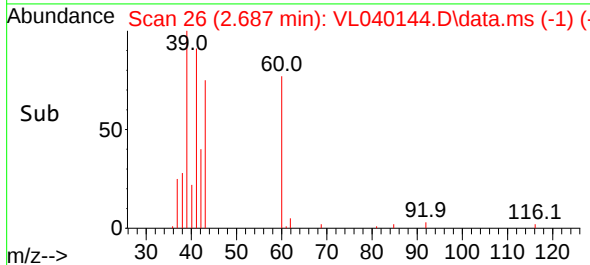
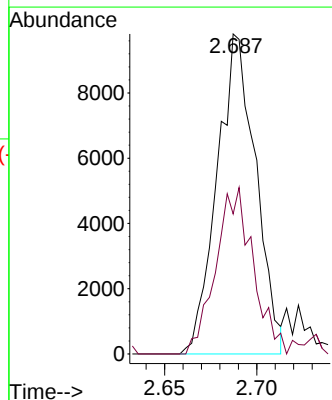
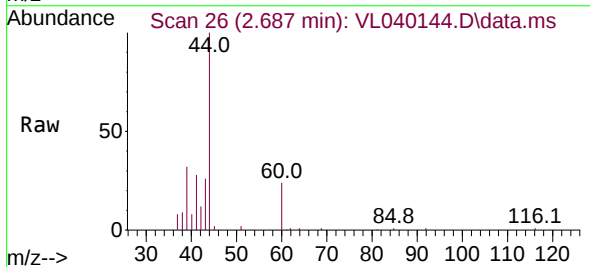
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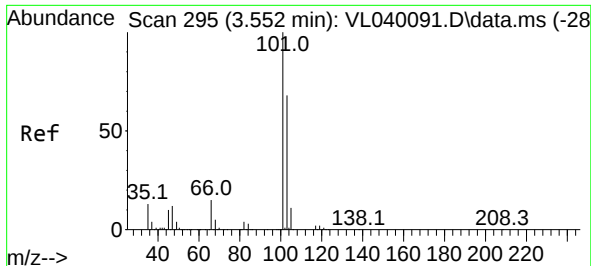
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#9
Propene
Concen: 0.305 ppbv m
RT: 2.687 min Scan# 26
Delta R.T. 0.013 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

Tgt Ion: 41 Resp: 14273
Ion Ratio Lower Upper
41 100
42 298.5 55.6 83.4





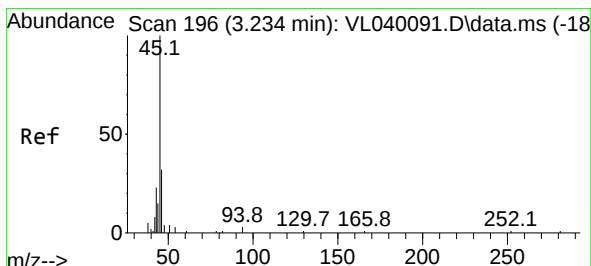
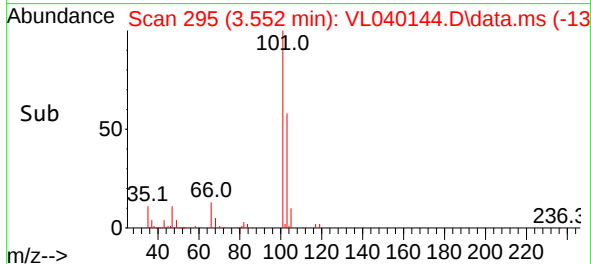
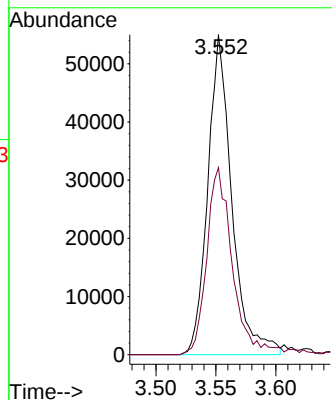
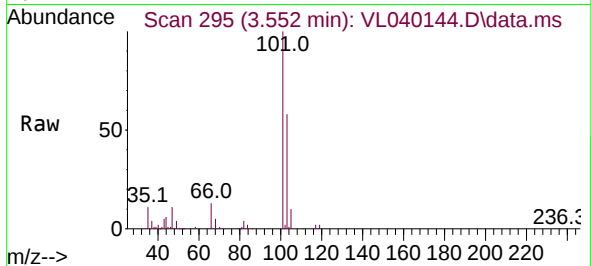
#11
Trichlorofluoromethane
Concen: 0.467 ppbv
RT: 3.552 min Scan# 295
Delta R.T. 0.007 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:101 Resp: 7679
Ion Ratio Lower Upper
101 100
103 58.5 54.0 81.0

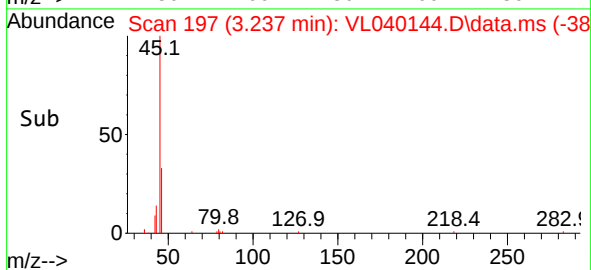
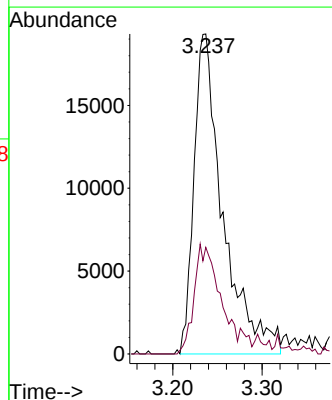
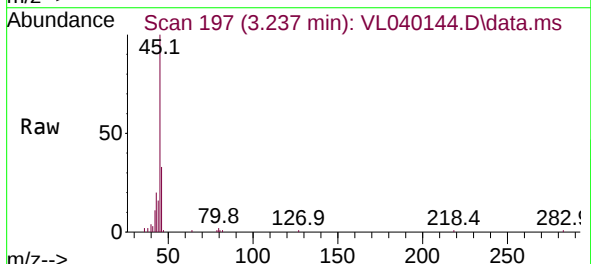
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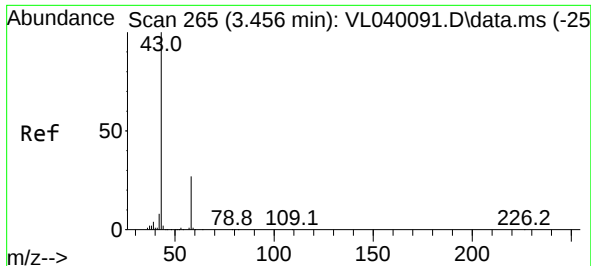
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#13
Ethanol
Concen: 10.104 ppbv m
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

Tgt Ion: 45 Resp: 43541
Ion Ratio Lower Upper
45 100
46 32.6 14.8 59.2





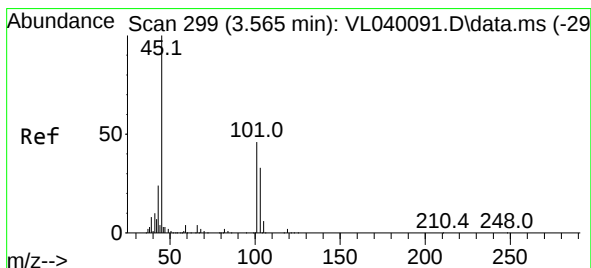
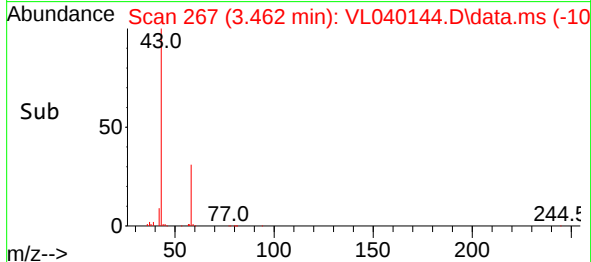
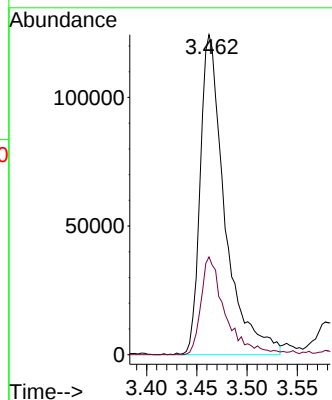
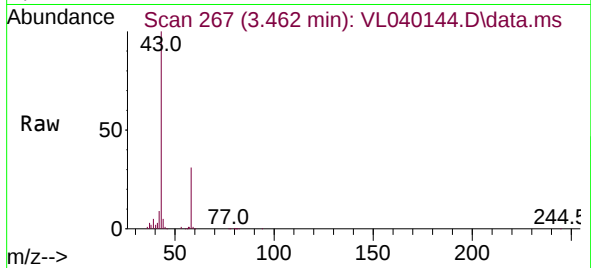
#15
Acetone
Concen: 1.884 ppbv m
RT: 3.462 min Scan# 21226
Delta R.T. 0.013 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 21226
Ion Ratio Lower Upper
43 100
58 30.3 21.8 32.8

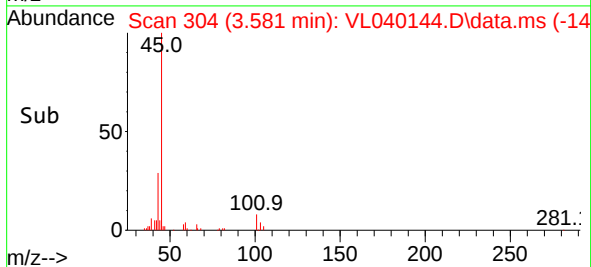
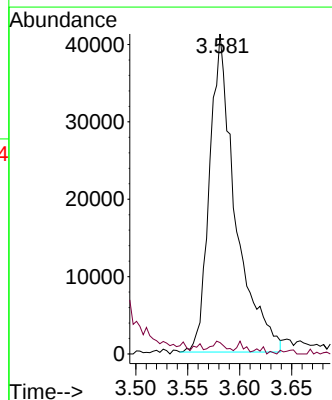
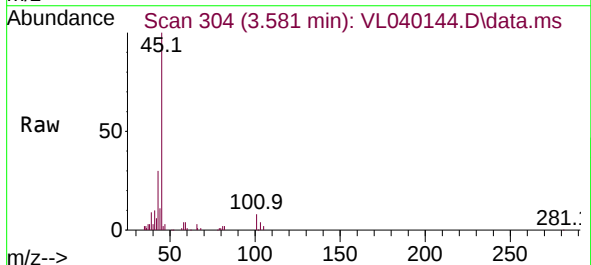
Manual Integrations
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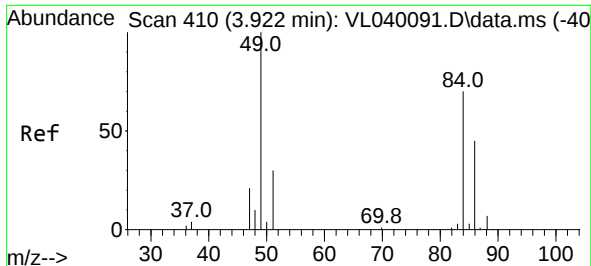
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#19
Isopropyl Alcohol
Concen: 1.298 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.023 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

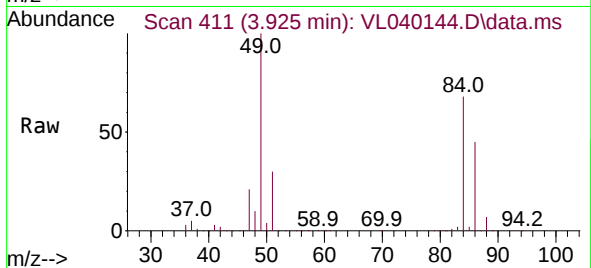
Tgt Ion: 45 Resp: 71543
Ion Ratio Lower Upper
45 100
58 3.5 2.6 4.0





#20
Methylene Chloride
Concen: 12.732 ppbv
RT: 3.925 min Scan# 410
Delta R.T. 0.010 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

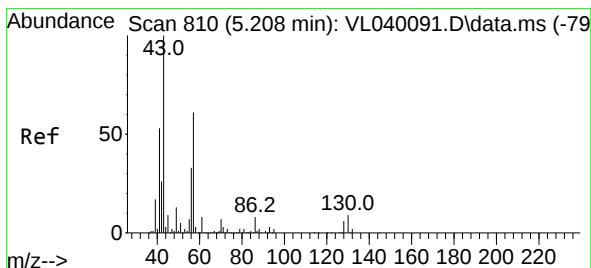
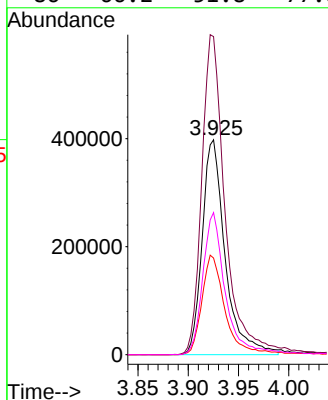
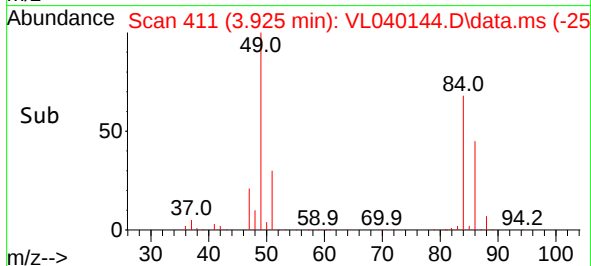
Instrument :
MSVOA_L
ClientSampleId :
SV1



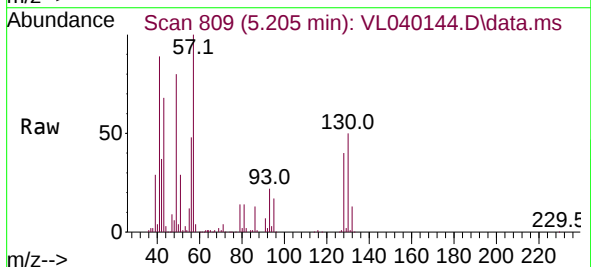
Tgt Ion: 84 Resp: 632882
Ion Ratio Lower Upper
84 100
49 147.9 114.6 171.8
51 45.0 34.3 51.5
86 66.2 51.8 77.8

Manual Integrations
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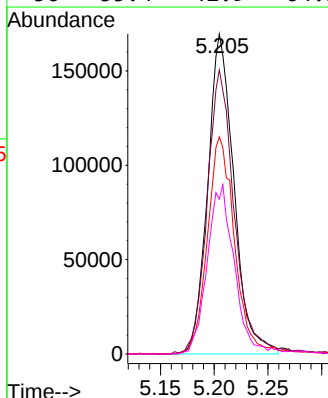
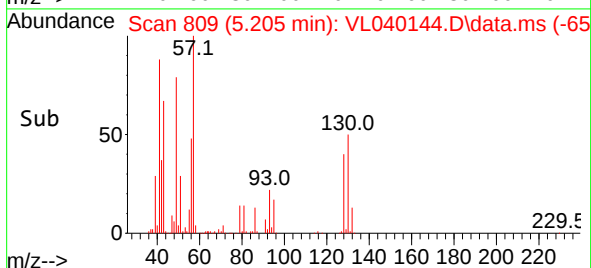
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

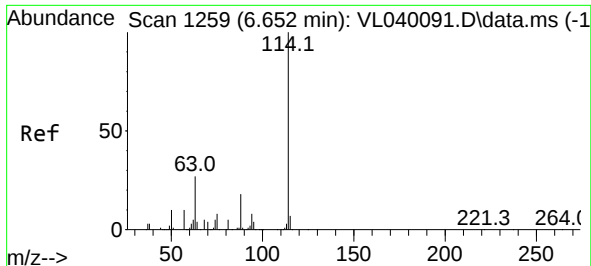


#26
Hexane
Concen: 3.313 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.007 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36



Tgt Ion: 57 Resp: 287825
Ion Ratio Lower Upper
57 100
41 93.1 72.2 108.4
43 70.4 192.1 288.1#
56 55.4 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL040144.D

Acq: 6 Feb 2023 13:36

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:114 Resp: 241920

Ion Ratio Lower Upper

114 100

63 25.5 21.8 32.8

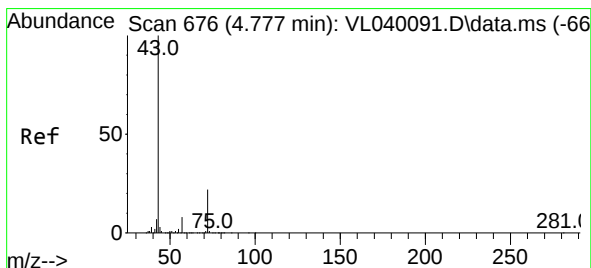
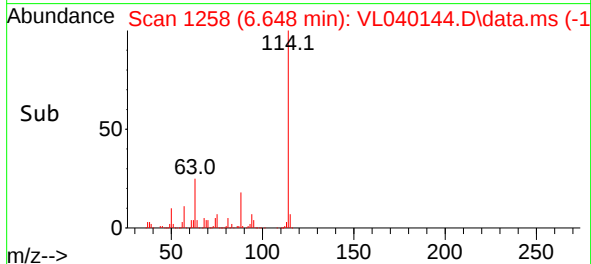
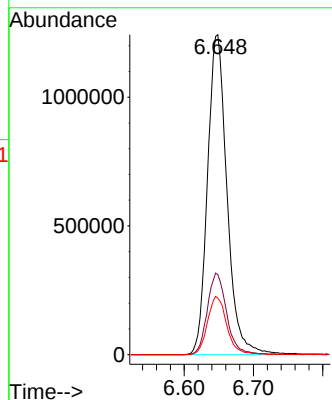
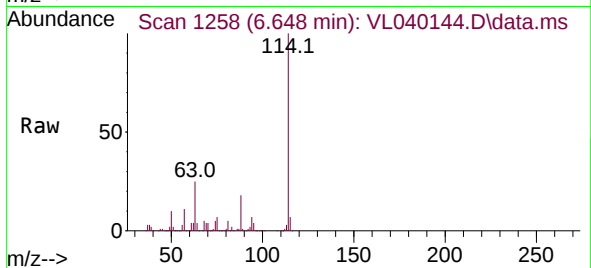
88 18.1 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#34

2-Butanone

Concen: 0.152 ppbv m

RT: 4.790 min Scan# 680

Delta R.T. 0.019 min

Lab File: VL040144.D

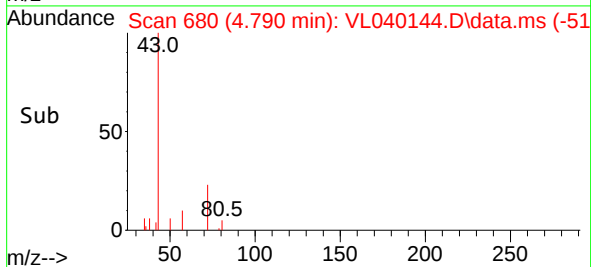
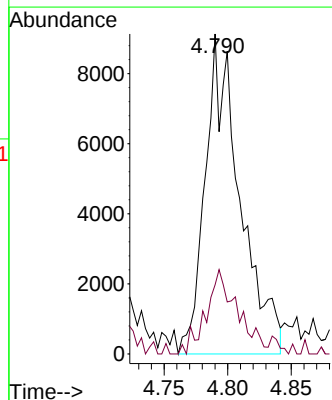
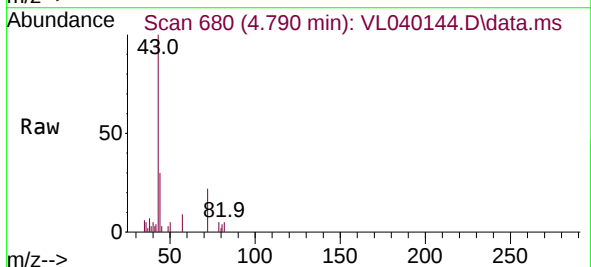
Acq: 6 Feb 2023 13:36

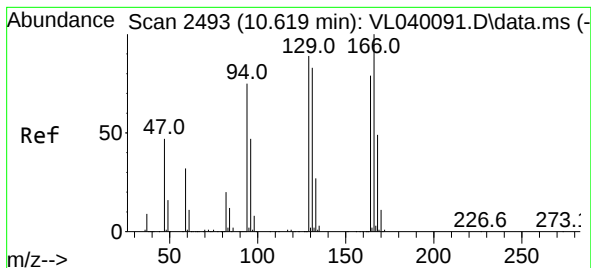
Tgt Ion: 43 Resp: 17350

Ion Ratio Lower Upper

43 100

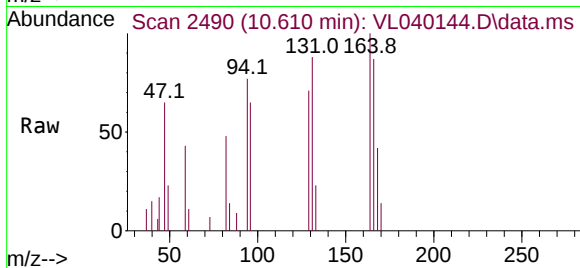
72 25.5 18.4 27.6





#52
Tetrachloroethene
Concen: 0.088 ppbv m
RT: 10.610 min Scan# 2493
Delta R.T. 0.003 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

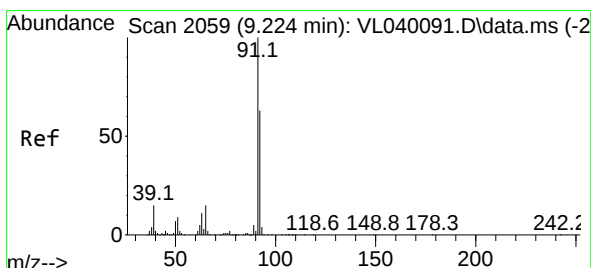
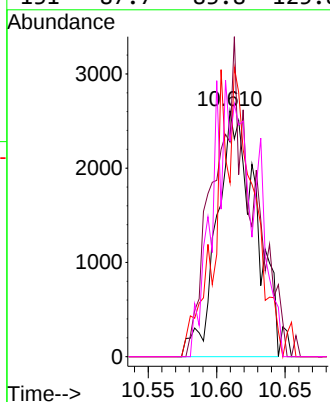
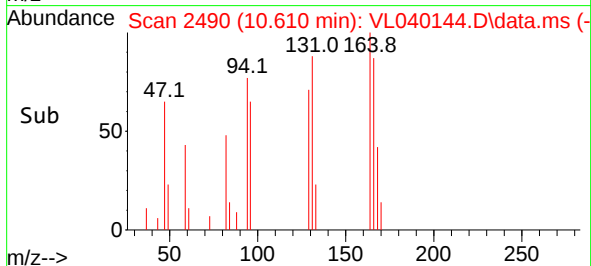
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 514
Ion Ratio Lower Upper
164 100
166 87.2 101.2 151.8
129 70.8 90.2 135.2
131 87.7 83.8 125.8

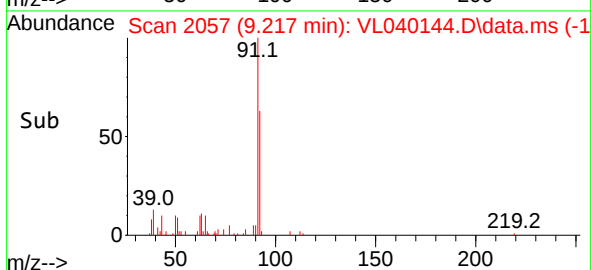
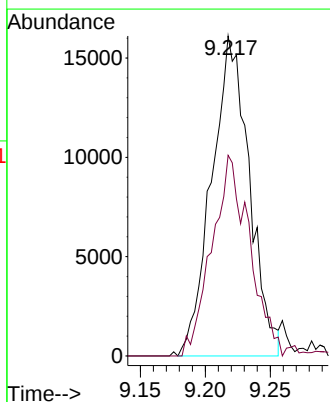
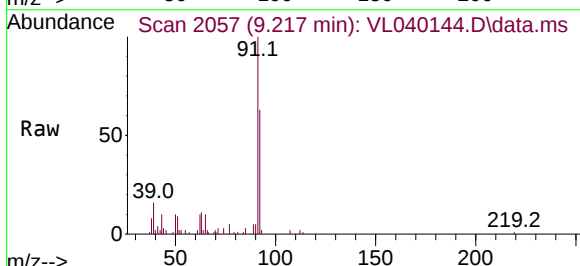
Manual Integrations
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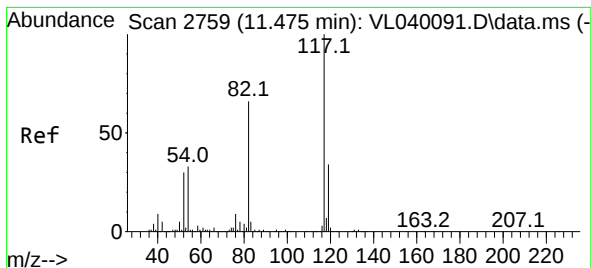
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#53
Toluene
Concen: 0.170 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.007 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

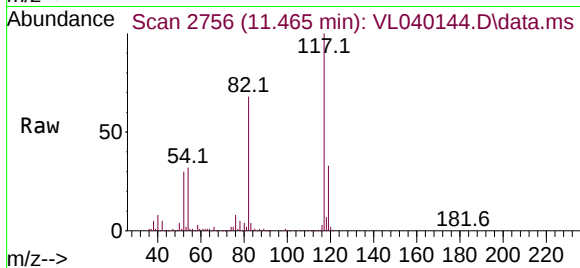
Tgt Ion: 91 Resp: 32508
Ion Ratio Lower Upper
91 100
92 64.9 48.3 72.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

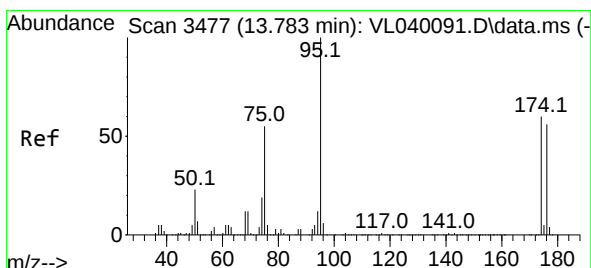
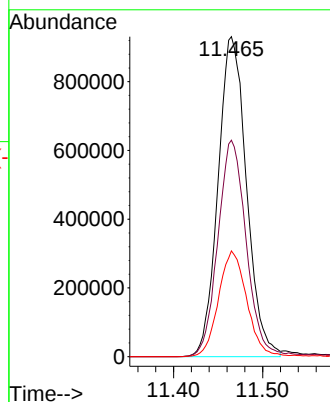
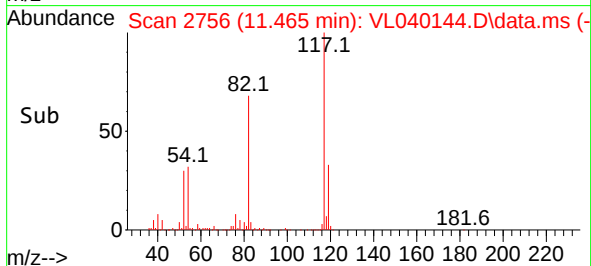
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:117 Resp: 2065304
Ion Ratio Lower Upper
117 100
82 68.9 54.4 81.6
119 33.4 26.8 40.2

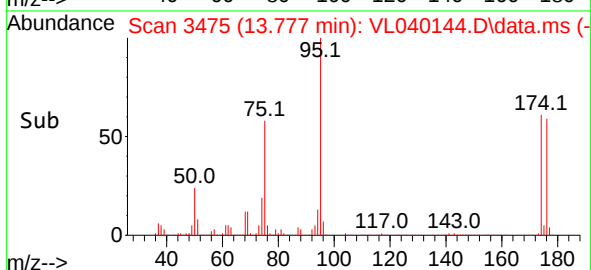
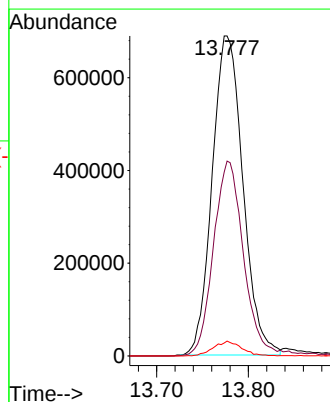
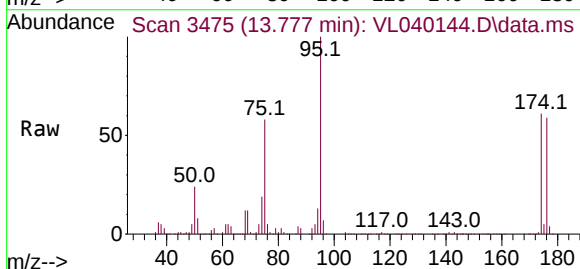
Manual Integrations
APPROVED

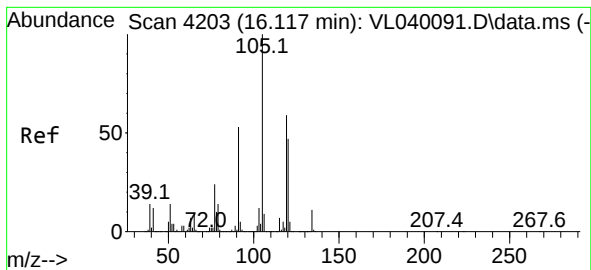
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.336 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.007 min
Lab File: VL040144.D
Acq: 6 Feb 2023 13:36

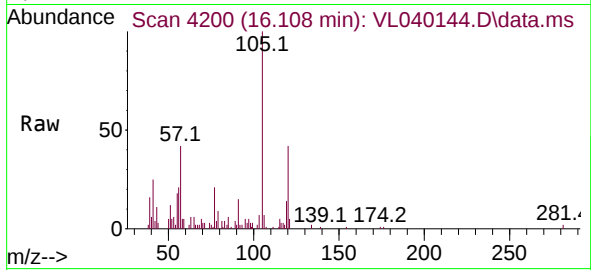
Tgt Ion: 95 Resp: 1602450
Ion Ratio Lower Upper
95 100
174 61.5 47.7 71.5
175 4.3 3.4 5.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.228 ppbv m
 RT: 16.108 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL040144.D
 Acq: 6 Feb 2023 13:36

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1



Tgt Ion:	105	Resp:	4966
Ion	Ratio	Lower	Upper
105	100		
120	41.7	38.0	57.0
91	14.9	42.1	63.1
77	20.8	19.3	28.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
 Supervised By :Mahesh Dadoda 02/08/2023

