

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040198.D
 Acq On : 21 Feb 2023 17:10
 Operator : SY/MD
 Sample : 01626-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-22DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 03:24:38 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	925471	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2391269	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2138815	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1737355	9.878	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.674	51	110667m	1.001	ppbv	
4) Chloromethane	2.812	50	8901	0.128	ppbv	95
9) Propene	2.703	41	64771m	1.437	ppbv	
13) Ethanol	3.237	45	1411820	340.303	ppbv	97
15) Acetone	3.472	43	555605	4.987	ppbv	97
19) Isopropyl Alcohol	3.581	45	845207	15.958	ppbv #	96
20) Methylene Chloride	3.941	84	112599	1.941	ppbv #	96
25) Ethyl Acetate	5.224	43	73484	0.355	ppbv #	92
26) Hexane	5.224	57	68886m	0.775	ppbv	
34) 2-Butanone	4.806	43	14294	0.121	ppbv #	63
36) Benzene	6.385	78	52423	0.282	ppbv	96
44) 2,2,4-Trimethylpentane	7.346	57	33875m	0.109	ppbv	
52) Tetrachloroethene	10.645	164	2244m	0.039	ppbv	
53) Toluene	9.243	91	124246	0.623	ppbv	100
59) m/p-Xylene	12.375	91	52926m	0.230	ppbv	

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

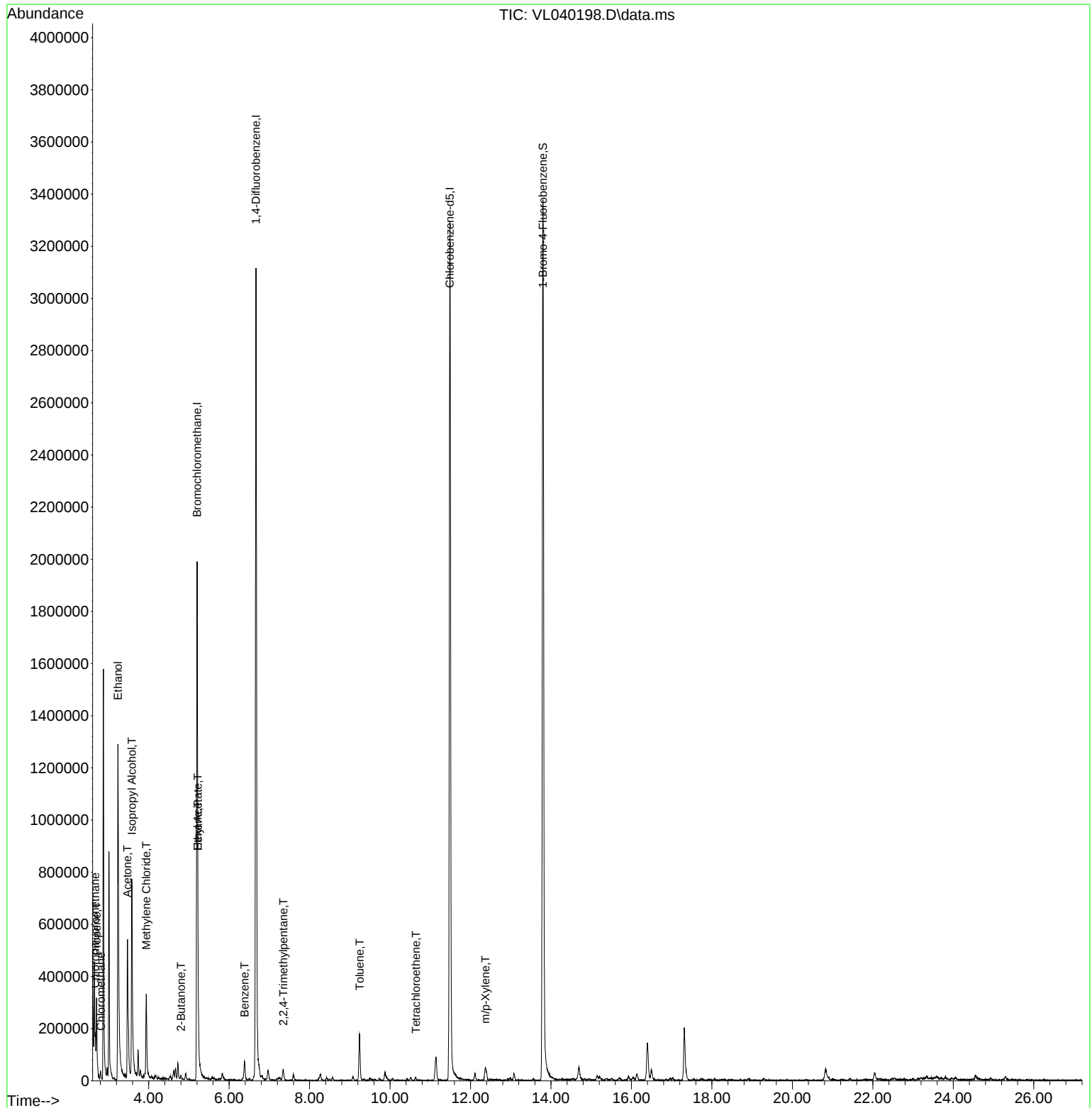
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
Data File : VL040198.D
Acq On : 21 Feb 2023 17:10
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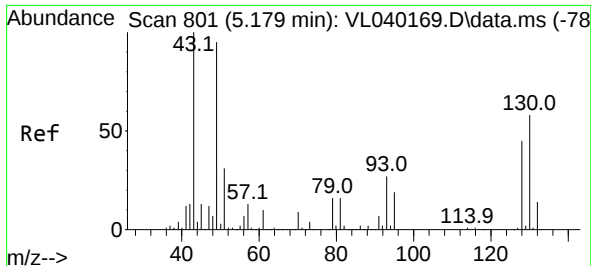
Instrument :
MSVOA_L
ClientSampleId :
IA-22DL

Quant Time: Feb 22 03:24:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration

Manual Integrations
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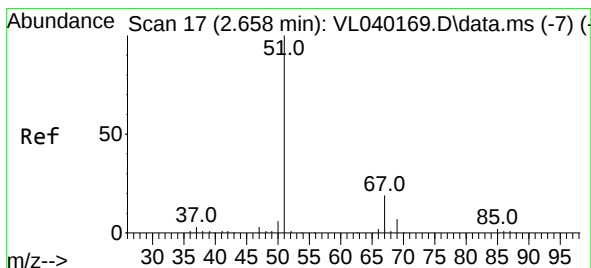
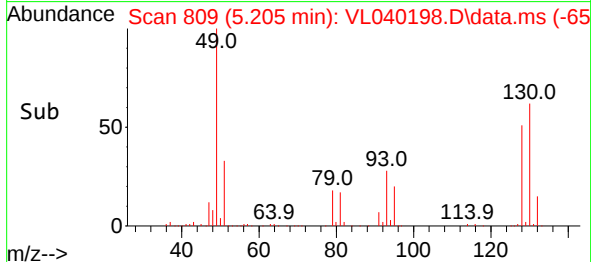
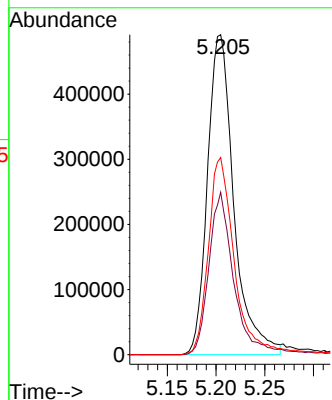
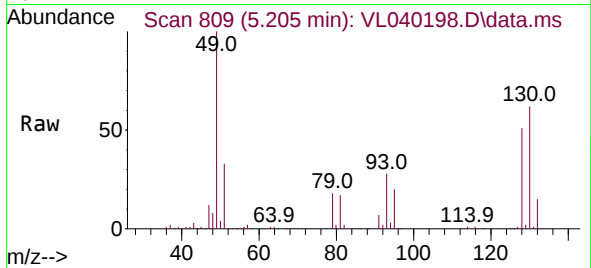
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 801
Delta R.T. -0.000 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

Instrument :
MSVOA_L
ClientSampleId :
IA-22DL

Tgt Ion: 49 Resp: 92547
Ion Ratio Lower Upper
49 100
128 49.4 24.1 72.3
130 62.8 30.9 92.8

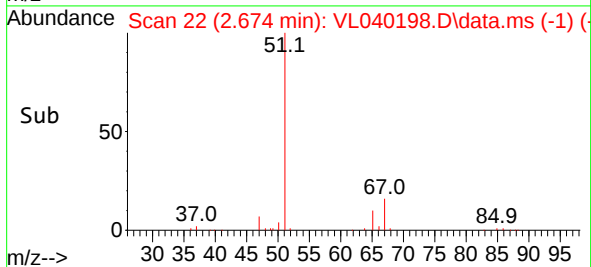
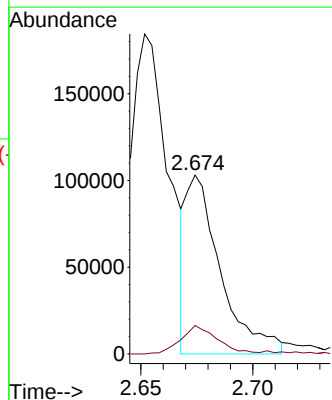
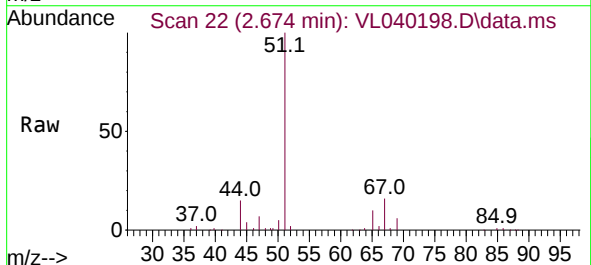
Manual Integrations
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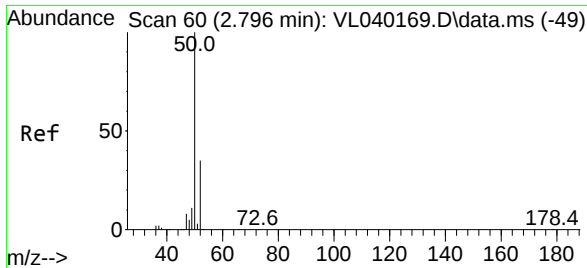
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#3
Chlorodifluoromethane
Concen: 1.001 ppbv m
RT: 2.674 min Scan# 22
Delta R.T. -0.000 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

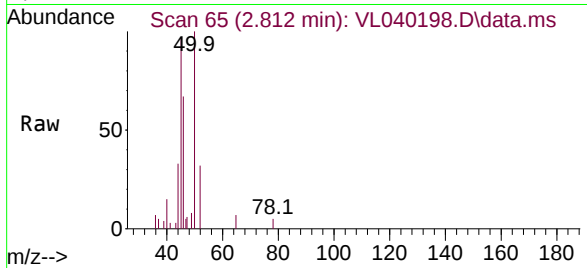
Tgt Ion: 51 Resp: 110667
Ion Ratio Lower Upper
51 100
67 18.4 15.4 23.2





#4
Chloromethane
Concen: 0.128 ppbv
RT: 2.812 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

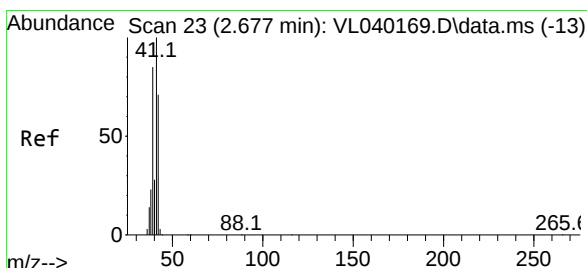
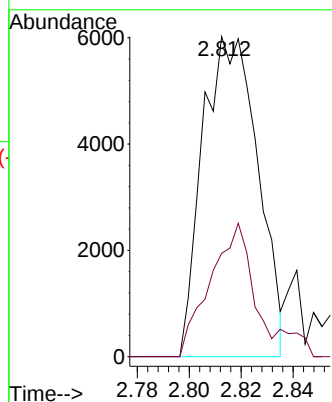
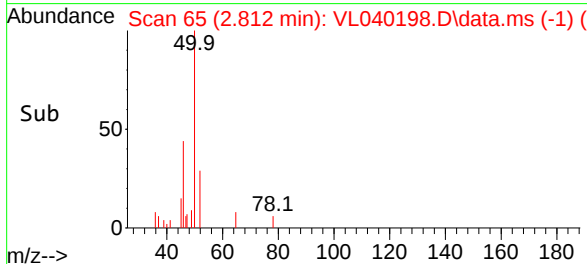
Instrument :
MSVOA_L
ClientSampleId :
IA-22DL



Tgt Ion: 50 Resp: 890
Ion Ratio Lower Upper
50 100
52 32.3 28.3 42.5

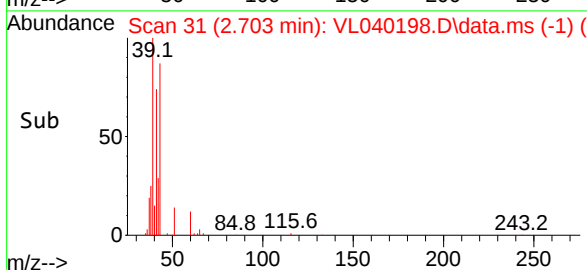
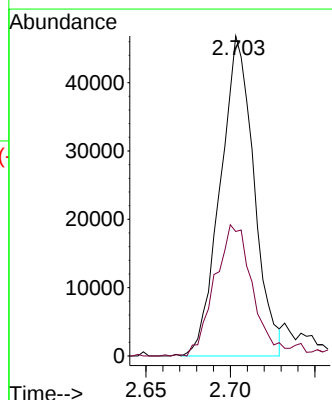
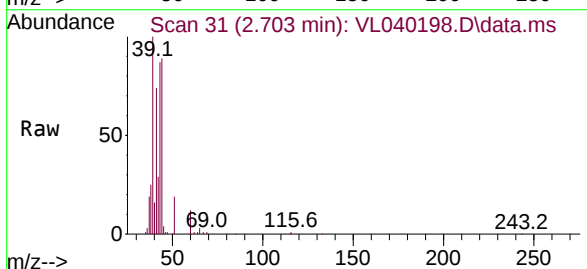
Manual Integrations
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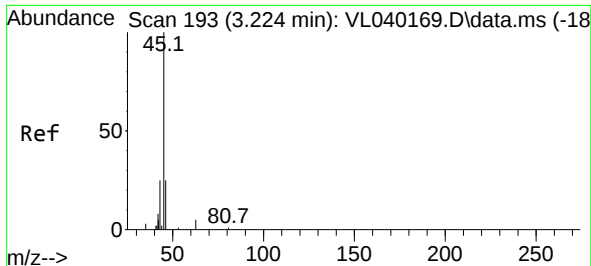
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#9
Propene
Concen: 1.437 ppbv m
RT: 2.703 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

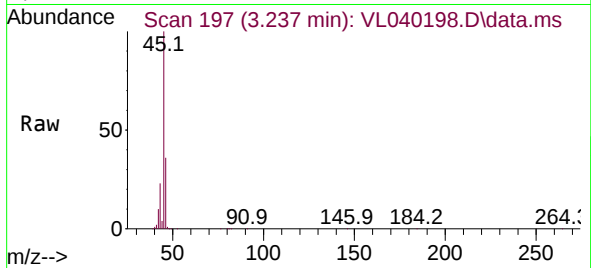
Tgt Ion: 41 Resp: 64771
Ion Ratio Lower Upper
41 100
42 436.8 56.9 85.3#





#13
Ethanol
Concen: 340.303 ppbv
RT: 3.237 min Scan# 193
Delta R.T. -0.013 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

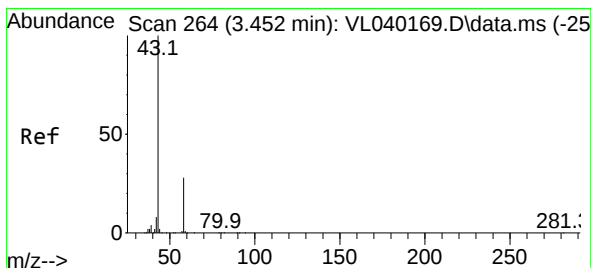
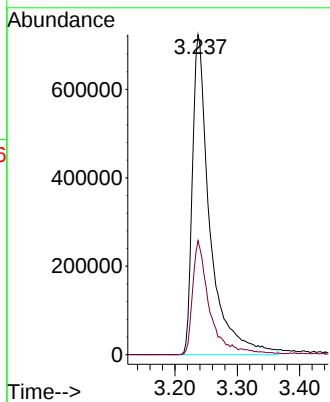
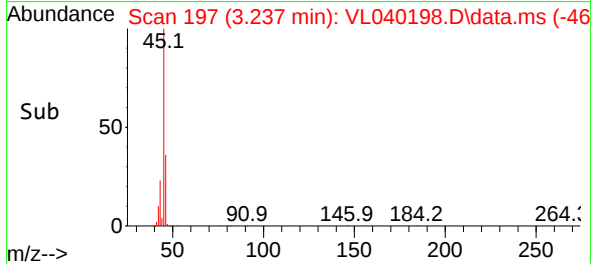
Instrument :
MSVOA_L
ClientSampleId :
IA-22DL



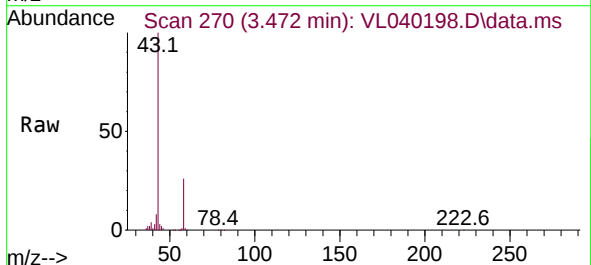
Tgt Ion: 45 Resp: 1411820
Ion Ratio Lower Upper
45 100
46 35.0 13.3 53.1

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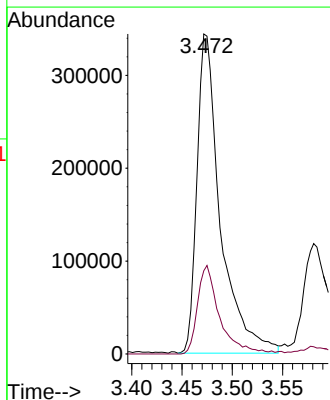
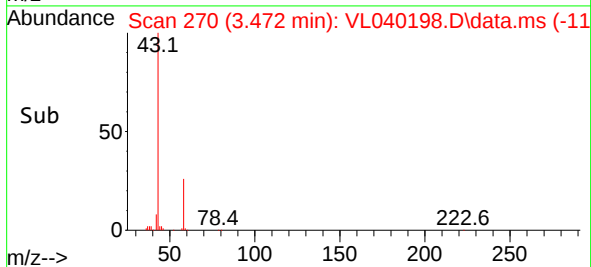
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

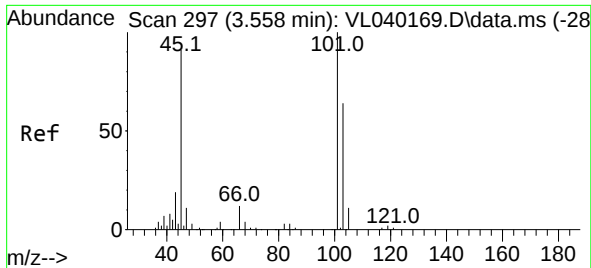


#15
Acetone
Concen: 4.987 ppbv
RT: 3.472 min Scan# 270
Delta R.T. -0.000 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10



Tgt Ion: 43 Resp: 555605
Ion Ratio Lower Upper
43 100
58 26.5 22.4 33.6





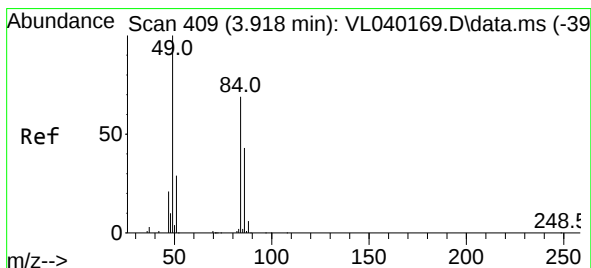
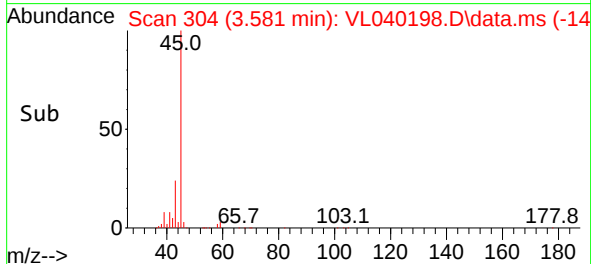
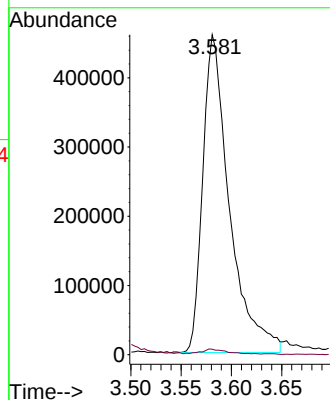
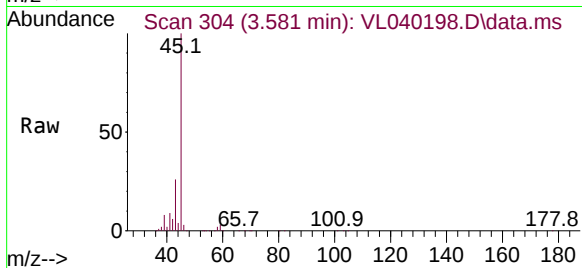
#19
Isopropyl Alcohol
Concen: 15.958 ppbv
RT: 3.581 min Scan# 304
Delta R.T. -0.000 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

Instrument :
MSVOA_L
ClientSampleId :
IA-22DL

Tgt Ion: 45 Resp: 84520
Ion Ratio Lower Upper
45 100
58 1.9 2.6 3.8

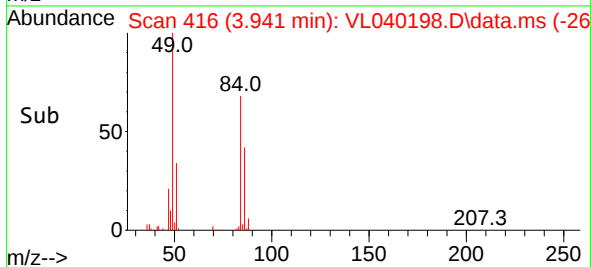
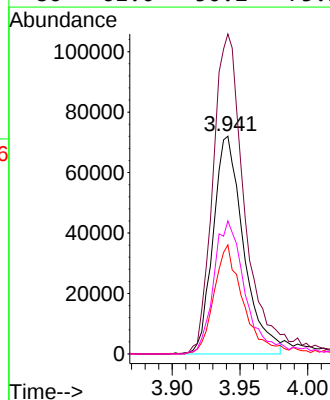
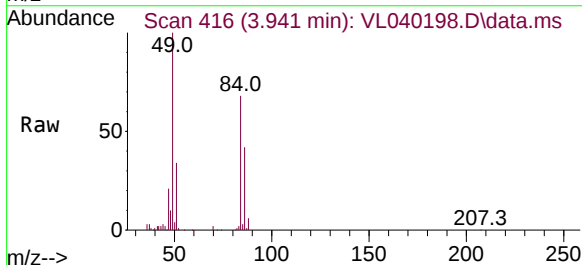
Manual Integrations
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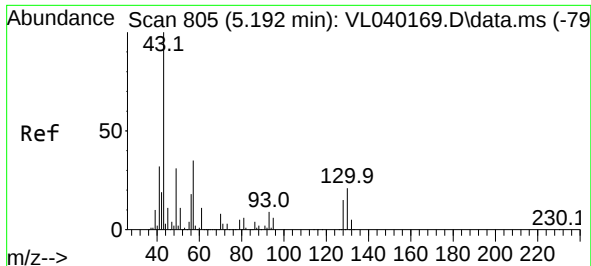
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#20
Methylene Chloride
Concen: 1.941 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

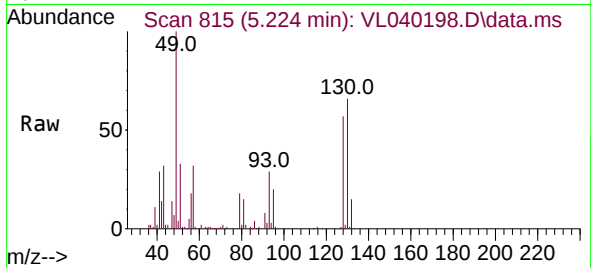
Tgt Ion: 84 Resp: 112599
Ion Ratio Lower Upper
84 100
49 146.7 115.5 173.3
51 50.1 33.1 49.7#
86 61.0 50.2 75.2





#25
Ethyl Acetate
Concen: 0.355 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.006 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

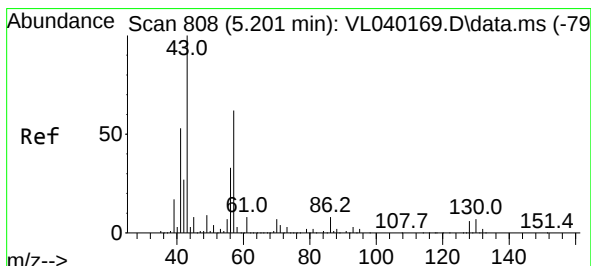
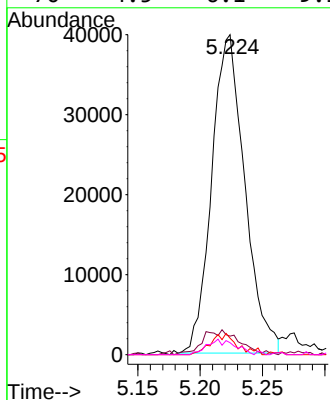
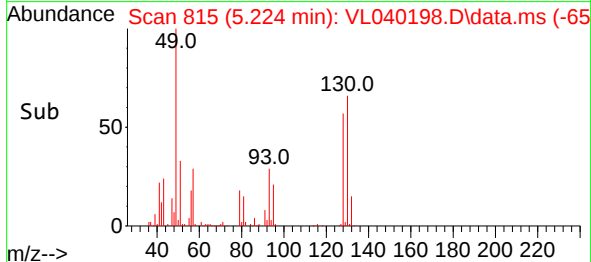
Instrument :
MSVOA_L
Client Sample Id :
IA-22DL



Tgt Ion: 43 Resp: 73484
Ion Ratio Lower Upper
43 100
45 9.4 8.3 12.5
61 5.7 8.4 12.6
70 4.5 6.1 9.1#

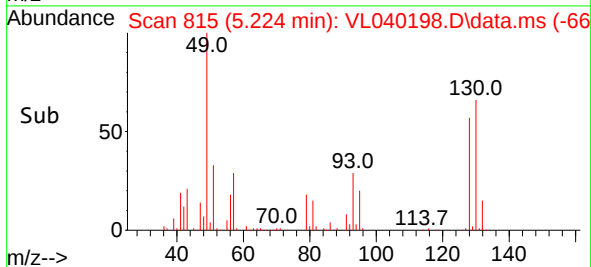
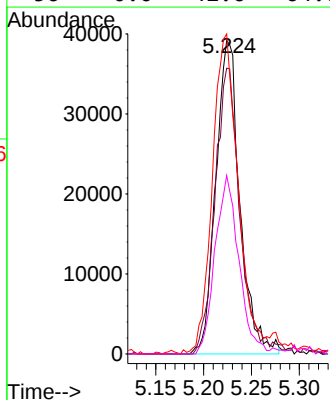
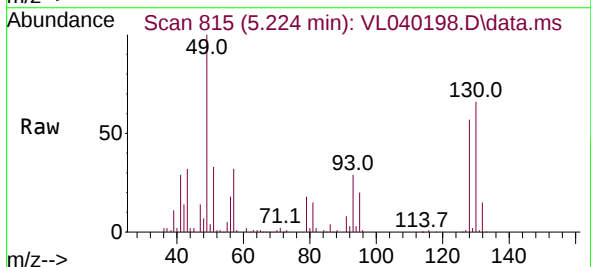
Manual Integrations
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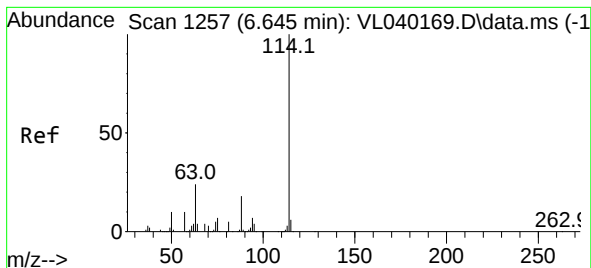
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#26
Hexane
Concen: 0.775 ppbv m
RT: 5.224 min Scan# 815
Delta R.T. -0.000 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

Tgt Ion: 57 Resp: 68886
Ion Ratio Lower Upper
57 100
41 0.0 74.3 111.5#
43 0.0 193.0 289.4#
56 0.0 42.6 64.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL040198.D

Acq: 21 Feb 2023 17:10

Instrument :

MSVOA_L

ClientSampleId :

IA-22DL

Tgt Ion:114 Resp: 2391269

Ion Ratio Lower Upper

114 100

63 25.2 20.4 30.6

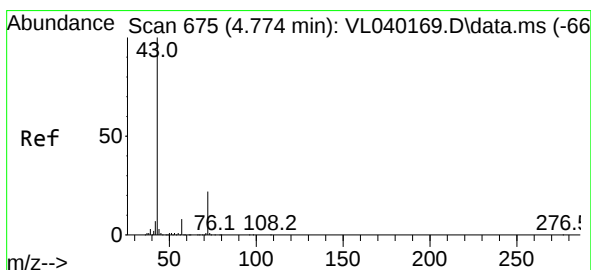
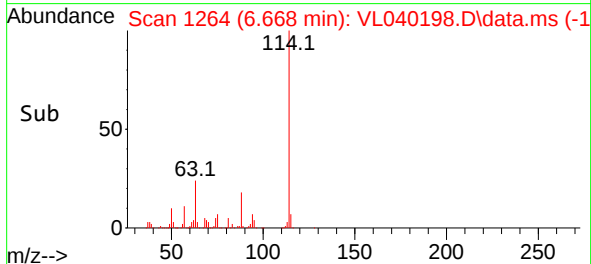
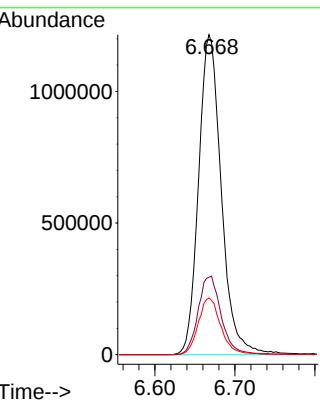
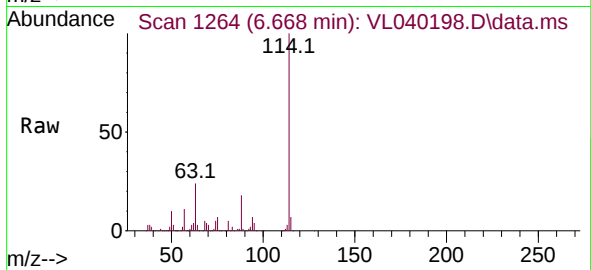
88 17.9 14.3 21.5

Manual Integrations

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Supervised By :Mahesh Dadoda 02/23/2023



#34

2-Butanone

Concen: 0.121 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.010 min

Lab File: VL040198.D

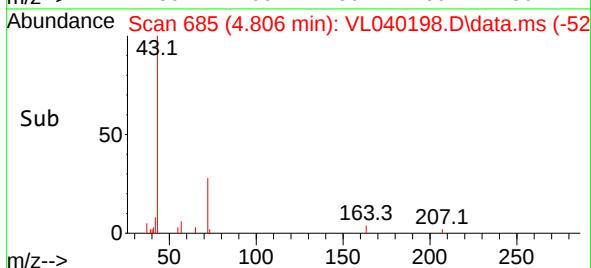
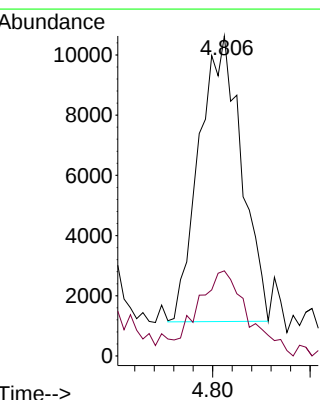
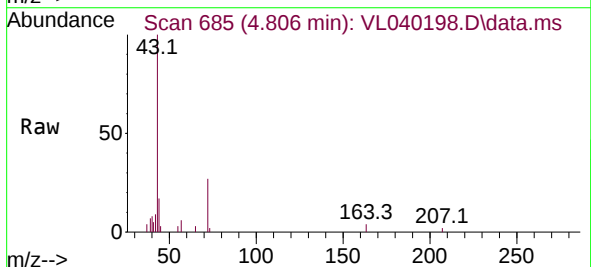
Acq: 21 Feb 2023 17:10

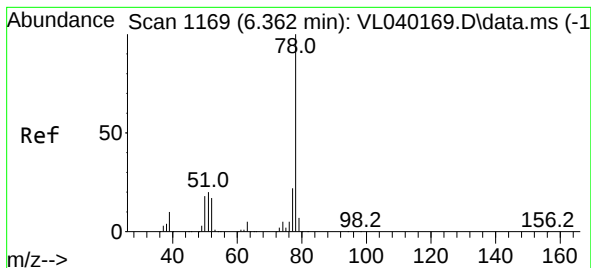
Tgt Ion: 43 Resp: 14294

Ion Ratio Lower Upper

43 100

72 40.2 17.8 26.8#





#36

Benzene

Concen: 0.282 ppbv

RT: 6.385 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL040198.D

Acq: 21 Feb 2023 17:10

Instrument :

MSVOA_L

ClientSampleId :

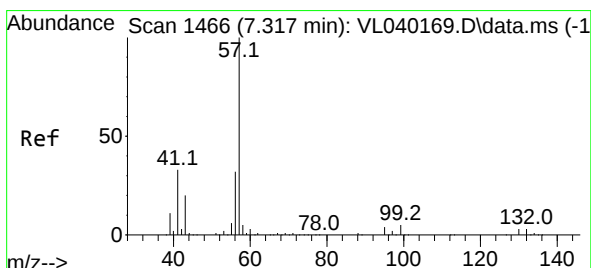
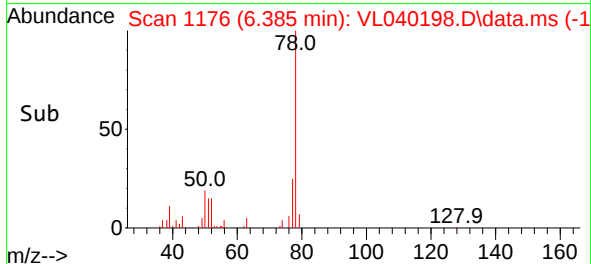
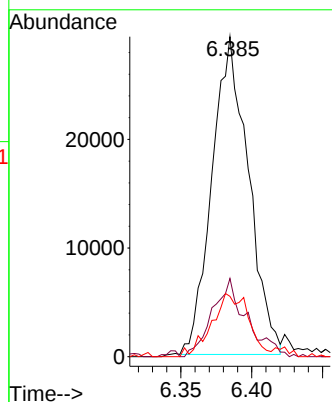
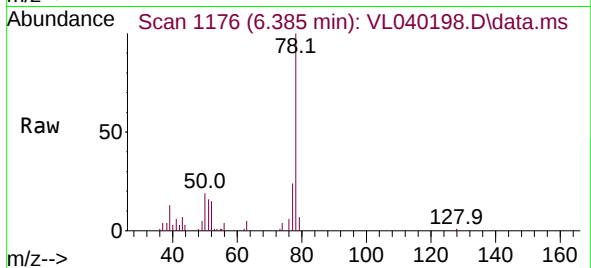
IA-22DL

Tgt Ion: 78 Resp: 52423
 Ion Ratio Lower Upper
 78 100
 77 24.6 17.5 26.3
 50 19.0 14.6 22.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#44

2,2,4-Trimethylpentane

Concen: 0.109 ppbv m

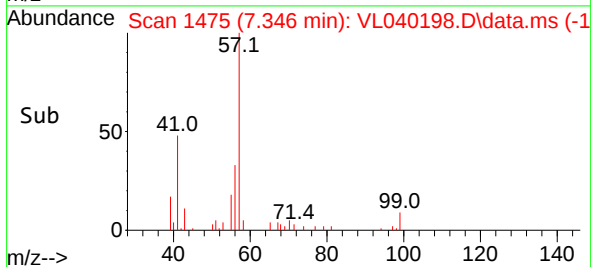
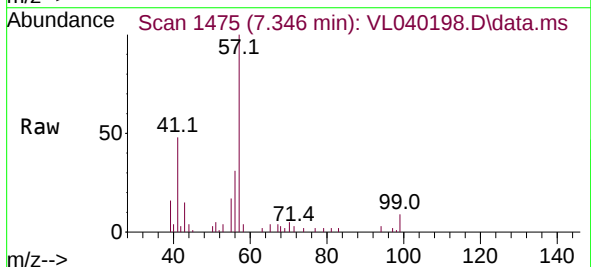
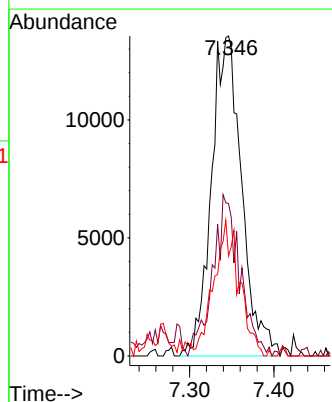
RT: 7.346 min Scan# 1475

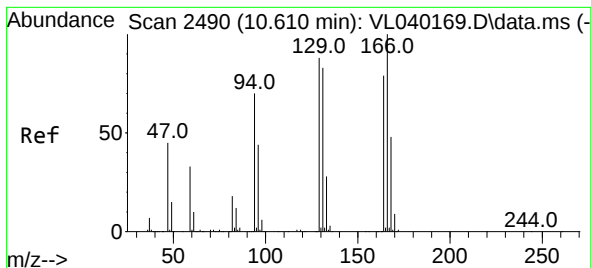
Delta R.T. -0.000 min

Lab File: VL040198.D

Acq: 21 Feb 2023 17:10

Tgt Ion: 57 Resp: 33875
 Ion Ratio Lower Upper
 57 100
 41 45.4 26.2 39.4#
 56 36.6 24.9 37.3





#52

Tetrachloroethene

Concen: 0.039 ppbv m

RT: 10.645 min Scan# 2050

Delta R.T. 0.003 min

Lab File: VL040198.D

Acq: 21 Feb 2023 17:10

Instrument :

MSVOA_L

ClientSampleId :

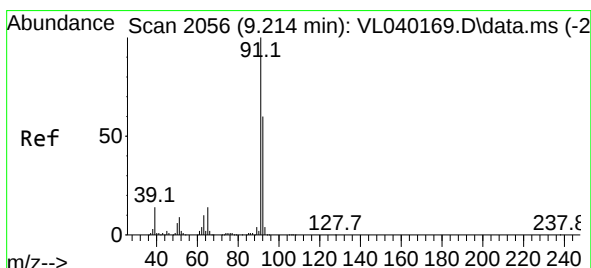
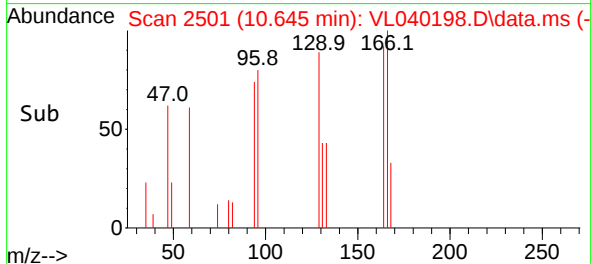
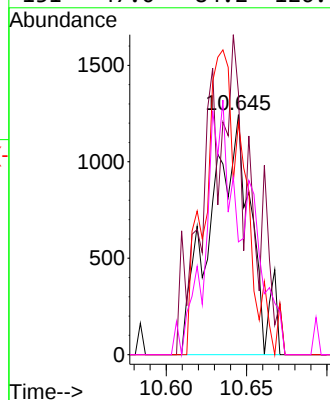
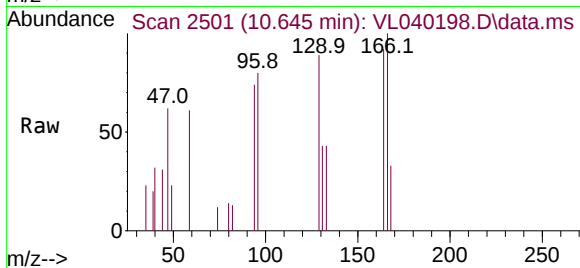
IA-22DL

Tgt Ion:	164	Resp:	224
Ion	Ratio	Lower	Upper
164	100		
166	109.2	101.5	152.3
129	96.8	89.0	133.4
131	47.0	84.2	126.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#53

Toluene

Concen: 0.623 ppbv

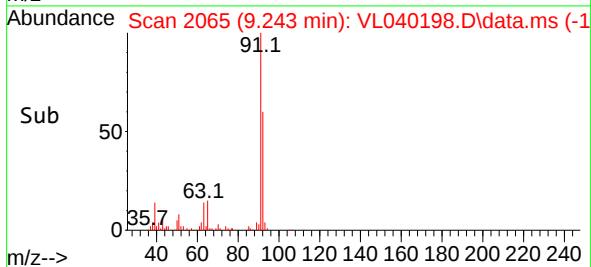
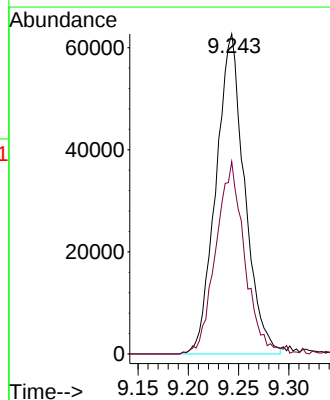
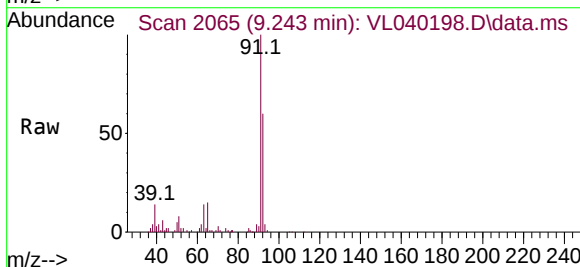
RT: 9.243 min Scan# 2065

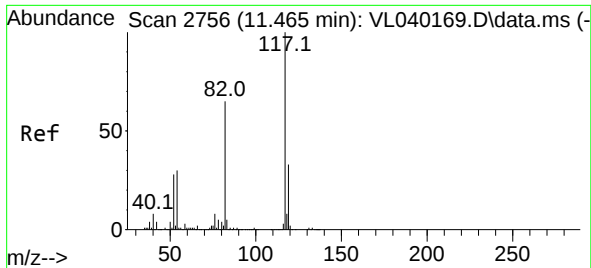
Delta R.T. -0.003 min

Lab File: VL040198.D

Acq: 21 Feb 2023 17:10

Tgt Ion:	91	Resp:	124246
Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.9	73.3





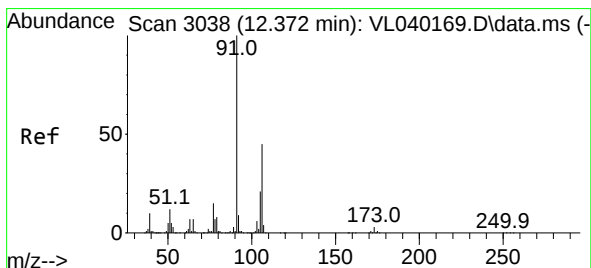
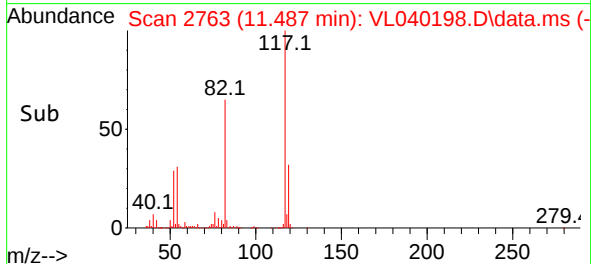
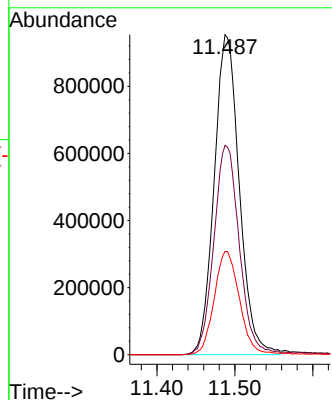
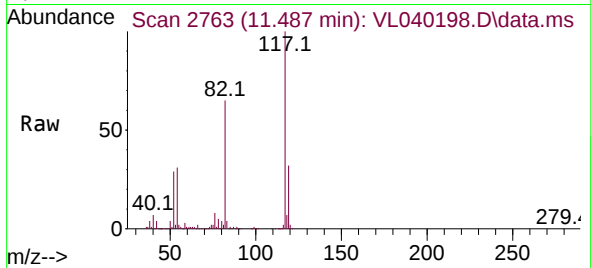
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.487 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

Instrument :
MSVOA_L
ClientSampleId :
IA-22DL

Tgt Ion:117 Resp: 213881
Ion Ratio Lower Upper
117 100
82 67.6 53.3 79.9
119 32.8 24.6 37.0

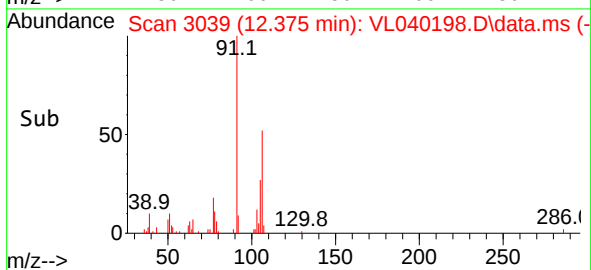
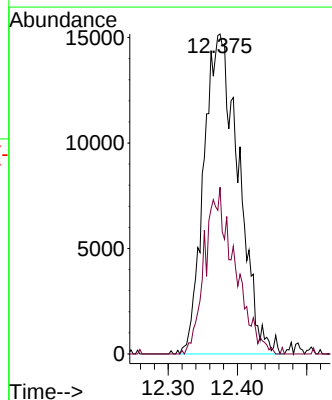
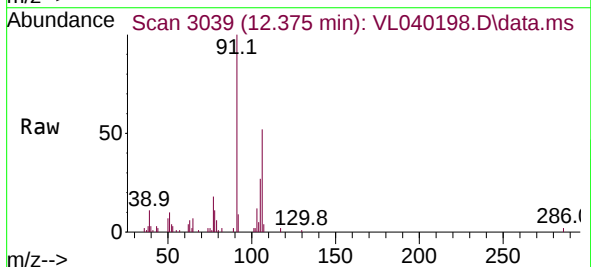
Manual Integrations
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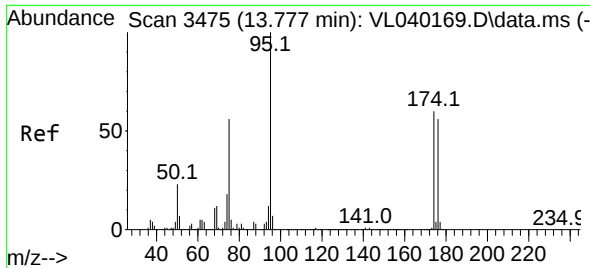
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#59
m/p-Xylene
Concen: 0.230 ppbv m
RT: 12.375 min Scan# 3039
Delta R.T. -0.023 min
Lab File: VL040198.D
Acq: 21 Feb 2023 17:10

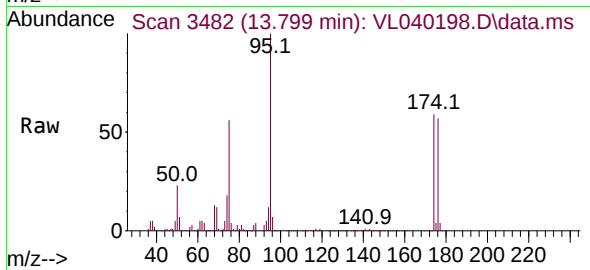
Tgt Ion: 91 Resp: 52926
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.878 ppbv
 RT: 13.799 min Scan# 3475
 Delta R.T. -0.006 min
 Lab File: VL040198.D
 Acq: 21 Feb 2023 17:10

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-22DL



Tgt Ion: 95 Resp: 173735
 Ion Ratio Lower Upper
 95 100
 174 60.0 48.2 72.2
 175 4.4 3.4 5.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

