

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
 Data File : VL040291.D
 Acq On : 16 Mar 2023 11:58
 Operator : SY/MD
 Sample : 01933-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/17/2023
 Supervised By : Mahesh Dadoda 03/17/2023

Quant Time: Mar 17 04:13:50 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	5.185	49	992897	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2671859	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	2358161	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1931389	9.780	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.723	85	34300	0.176	ppbv	95
3) Chlorodifluoromethane	2.668	51	31003	0.248	ppbv #	88
4) Chloromethane	2.806	50	19591	0.254	ppbv	97
9) Propene	2.697	41	20867m	0.436	ppbv	
13) Ethanol	3.227	45	167465	47.737	ppbv	98
15) Acetone	3.459	43	569141	4.708	ppbv	92
20) Methylene Chloride	3.925	84	118988	2.340	ppbv	98
26) Hexane	5.208	57	61434	0.661	ppbv #	45
34) 2-Butanone	4.774	43	1541339	11.689	ppbv	99
35) Carbon Tetrachloride	6.481	117	7951m	0.047	ppbv	
36) Benzene	6.359	78	22426	0.110	ppbv #	85
38) Trichloroethene	7.275	130	3627m	0.033	ppbv	
41) Tetrahydrofuran	5.555	42	333426	4.381	ppbv	99
52) Tetrachloroethene	10.606	164	4303m	0.070	ppbv	
53) Toluene	9.214	91	79073	0.371	ppbv	96

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

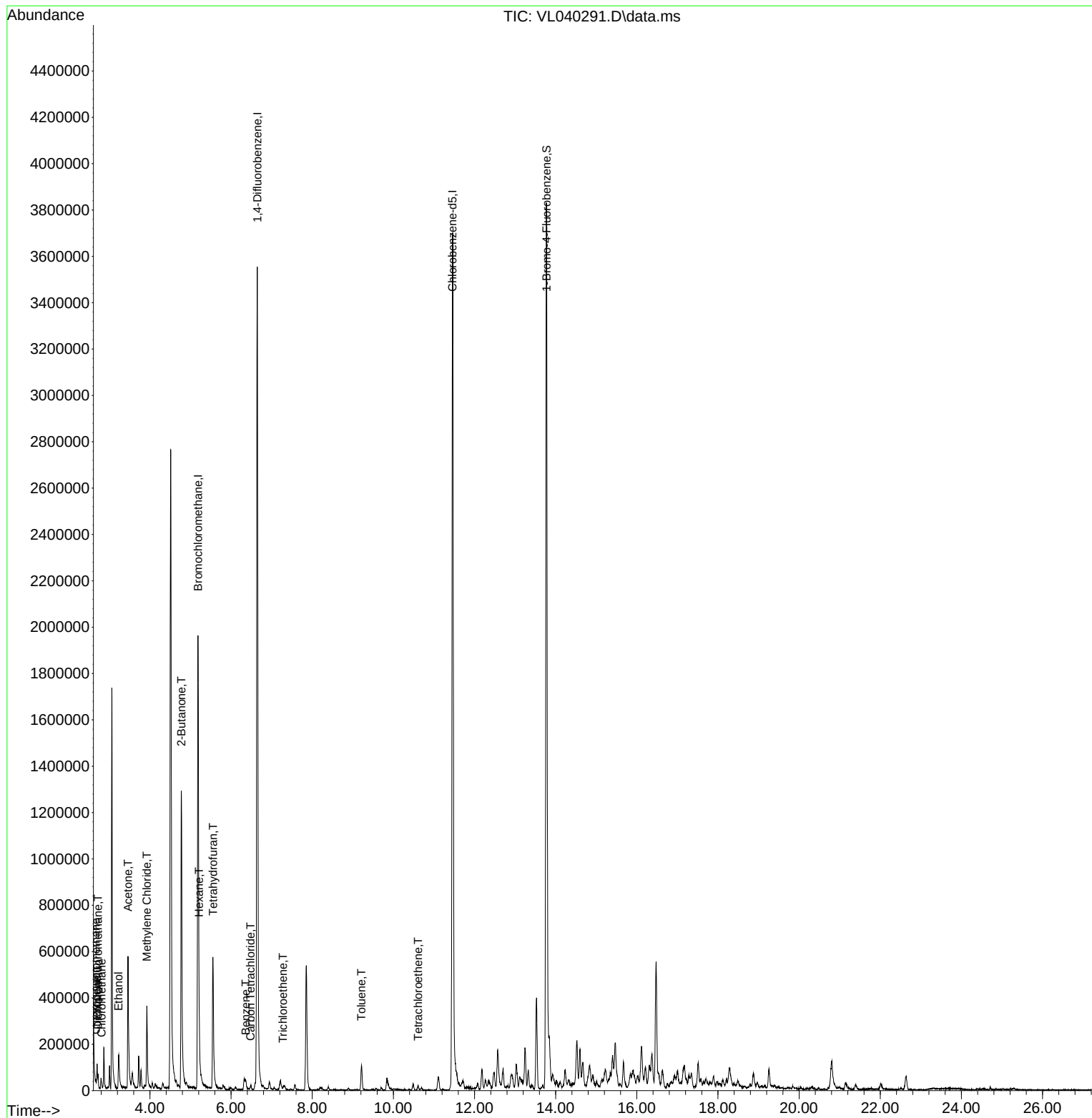
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031623\
Data File : VL040291.D
Acq On : 16 Mar 2023 11:58
Operator : SY/MD
Sample : 01933-01 2X
Misc : 400mL/MSVOA_L
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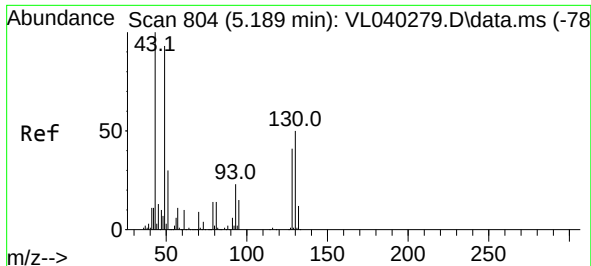
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Quant Time: Mar 17 04:13:50 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

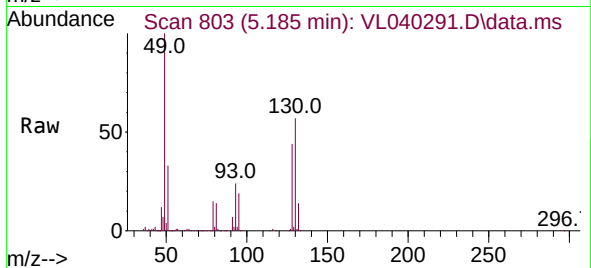
Reviewed By : Semsettin Yesilyurt 03/17/2023
Supervised By : Mahesh Dadoda 03/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

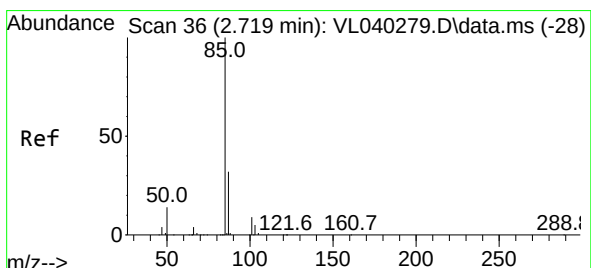
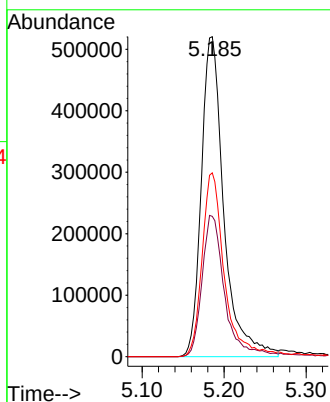
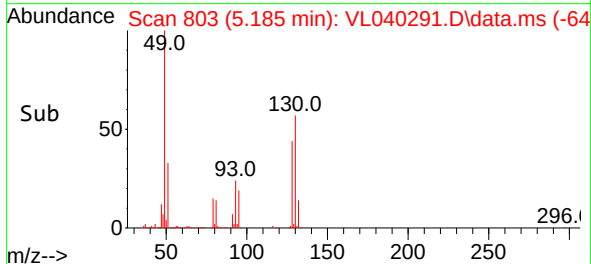
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1



Tgt Ion: 49 Resp: 99289
Ion Ratio Lower Upper
49 100
128 45.5 22.4 67.3
130 58.5 28.7 86.1

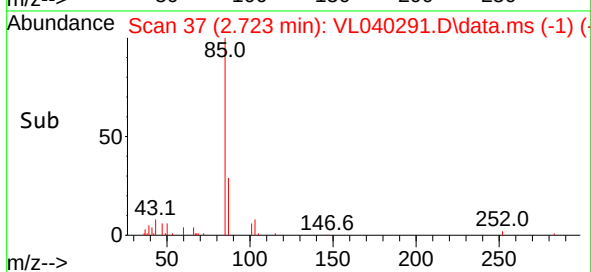
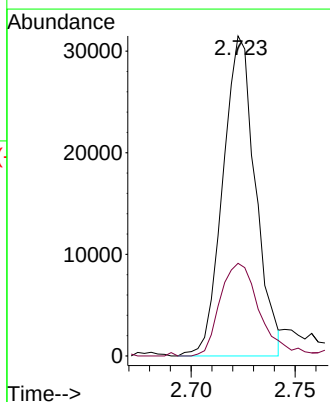
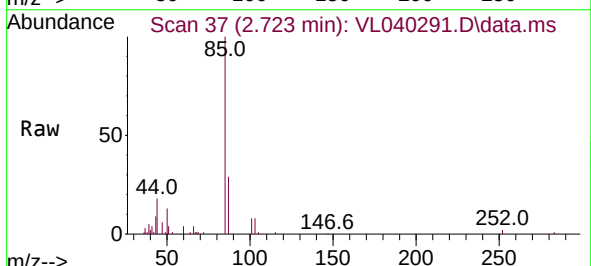
Manual Integrations
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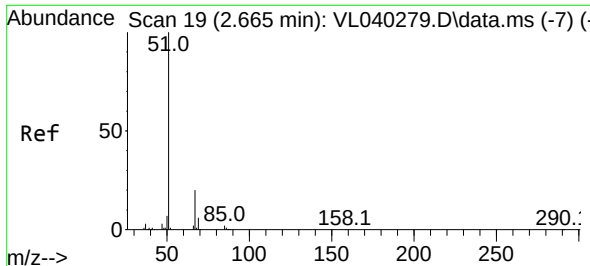
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#2
Dichlorodifluoromethane
Concen: 0.176 ppbv
RT: 2.723 min Scan# 37
Delta R.T. 0.004 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

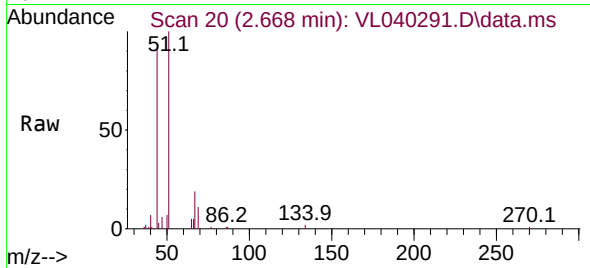
Tgt Ion: 85 Resp: 34300
Ion Ratio Lower Upper
85 100
87 28.9 25.5 38.3





#3
Chlorodifluoromethane
Concen: 0.248 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

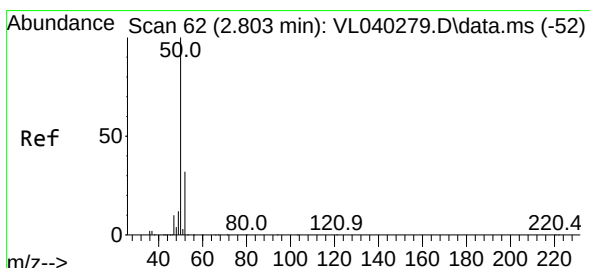
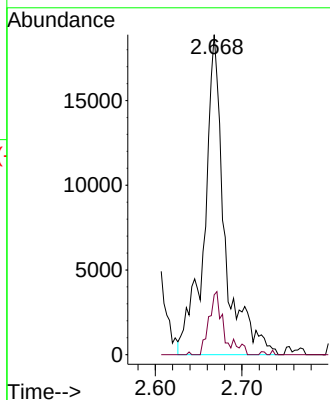
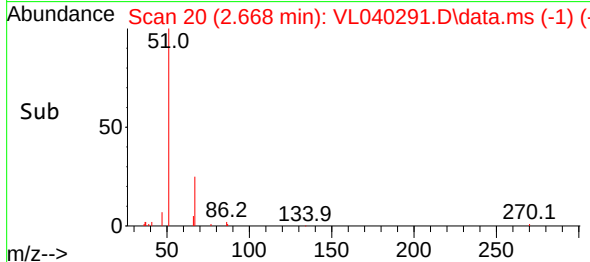
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1



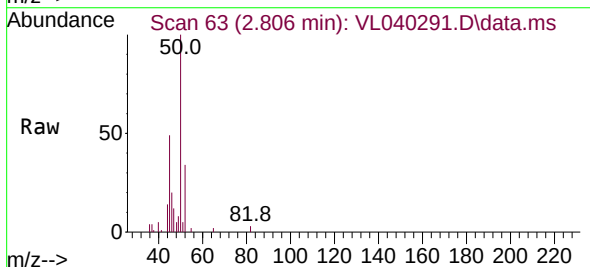
Tgt Ion: 51 Resp: 3100
Ion Ratio Lower Upper
51 100
67 14.7 16.0 24.0

Manual Integrations
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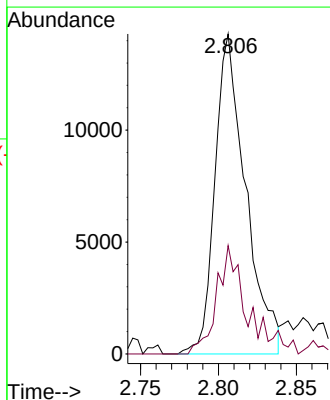
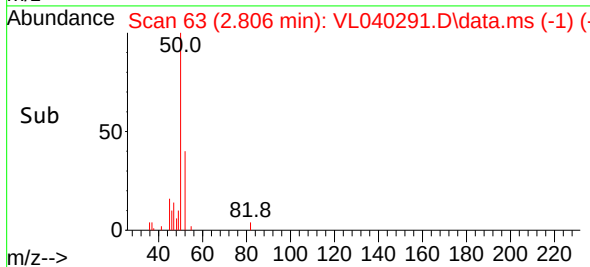
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023

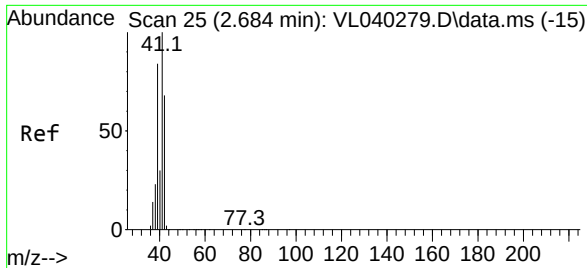


#4
Chloromethane
Concen: 0.254 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58



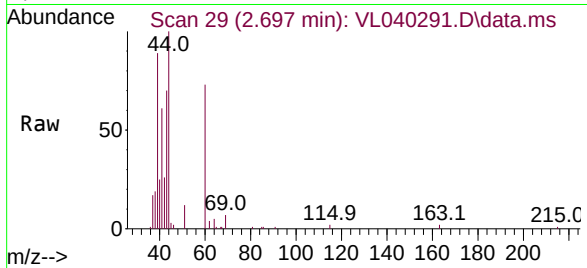
Tgt Ion: 50 Resp: 19591
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9





#9
 Propene
 Concen: 0.436 ppbv m
 RT: 2.697 min Scan# 29
 Delta R.T. 0.013 min
 Lab File: VL040291.D
 Acq: 16 Mar 2023 11:58

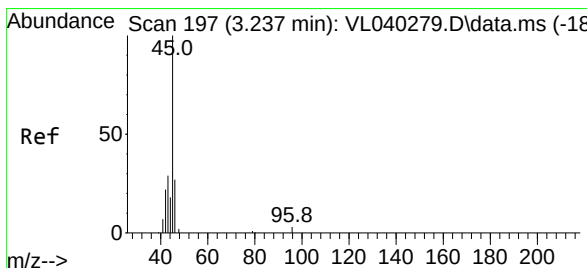
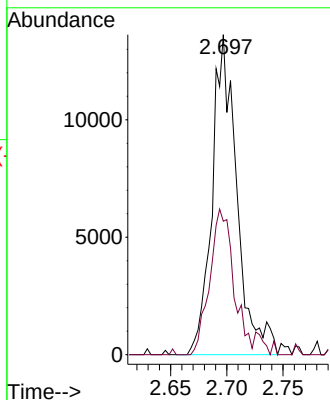
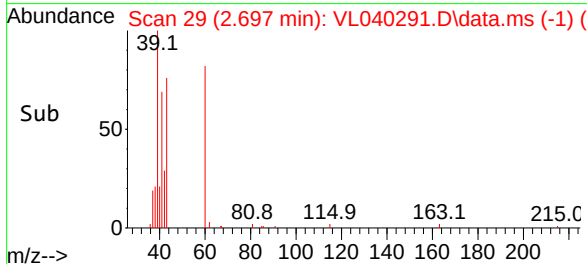
Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-1



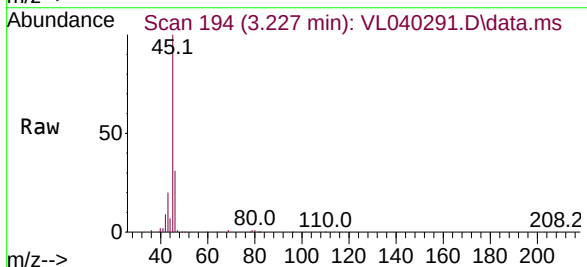
Tgt Ion: 41 Resp: 2086
 Ion Ratio Lower Upper
 41 100
 42 158.0 59.0 88.4

Manual Integrations
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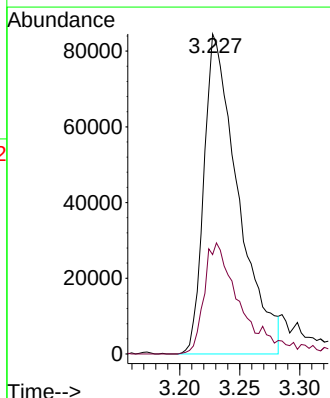
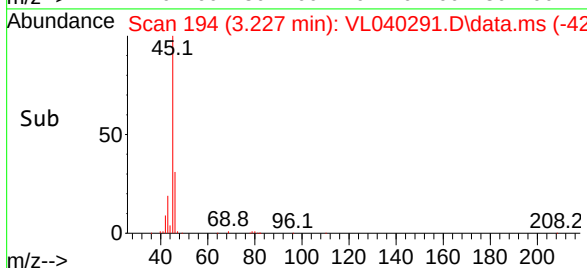
Reviewed By :Semsettin Yesilyurt 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

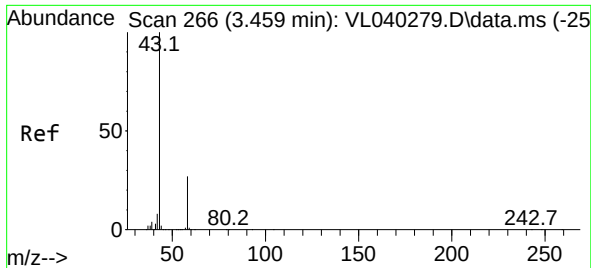


#13
 Ethanol
 Concen: 47.737 ppbv
 RT: 3.227 min Scan# 194
 Delta R.T. -0.010 min
 Lab File: VL040291.D
 Acq: 16 Mar 2023 11:58



Tgt Ion: 45 Resp: 167465
 Ion Ratio Lower Upper
 45 100
 46 38.5 15.0 60.2





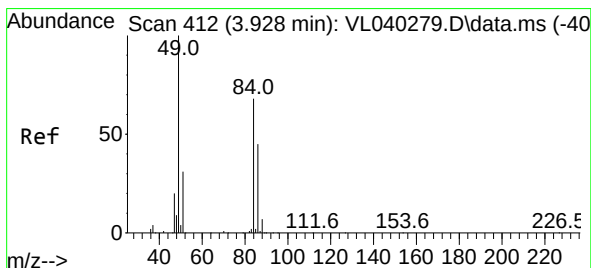
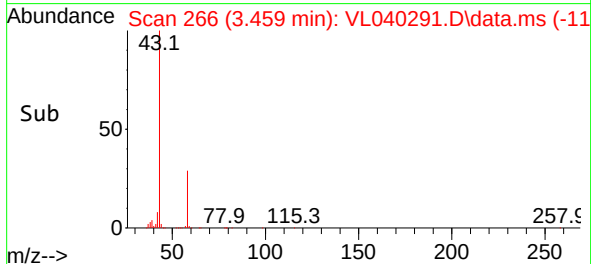
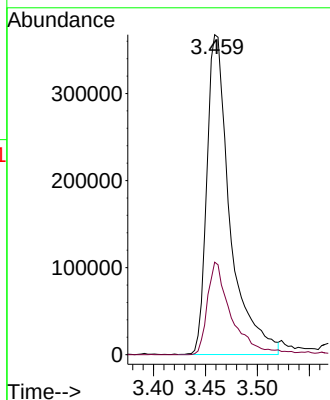
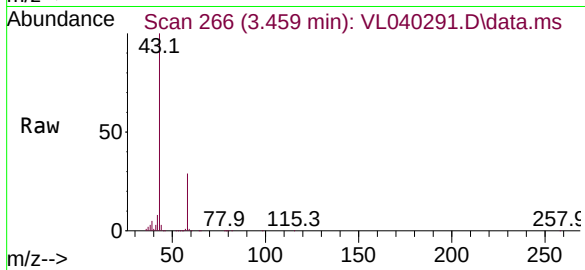
#15
Acetone
Concen: 4.708 ppbv
RT: 3.459 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 43 Resp: 56914
Ion Ratio Lower Upper
43 100
58 31.5 21.8 32.8

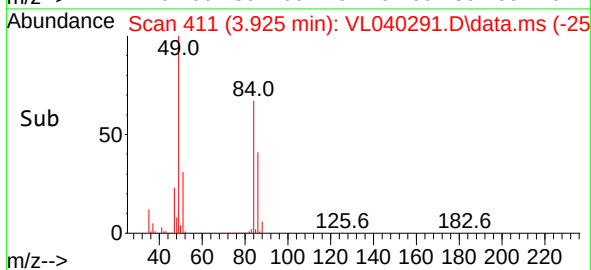
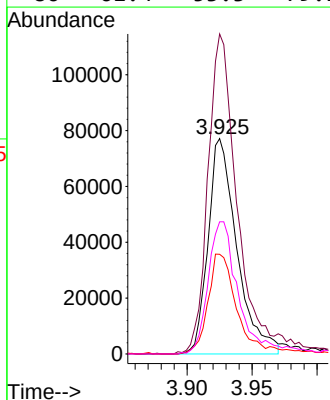
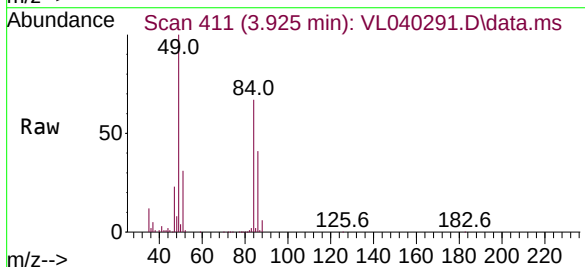
Manual Integrations
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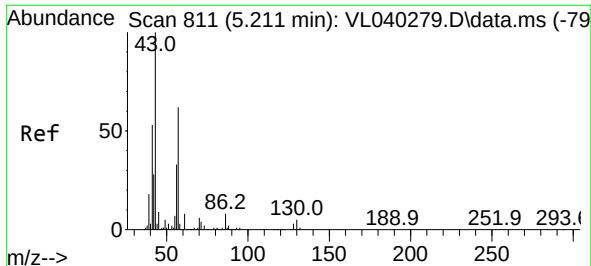
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#20
Methylene Chloride
Concen: 2.340 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.003 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

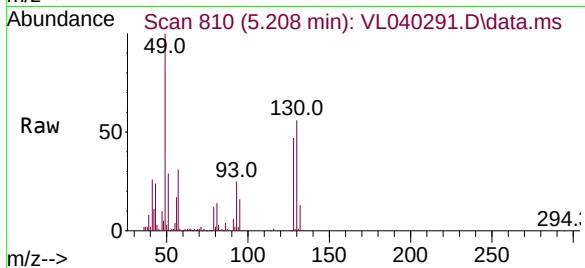
Tgt Ion: 84 Resp: 118988
Ion Ratio Lower Upper
84 100
49 147.6 117.5 176.3
51 46.3 36.9 55.3
86 61.4 53.3 79.9





#26
Hexane
Concen: 0.661 ppbv
RT: 5.208 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

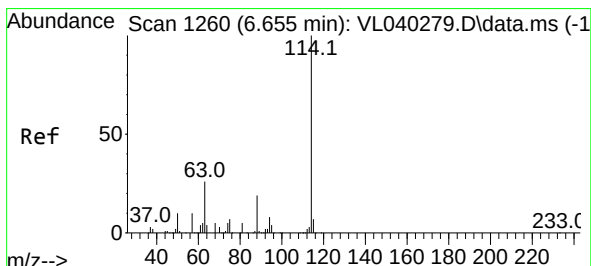
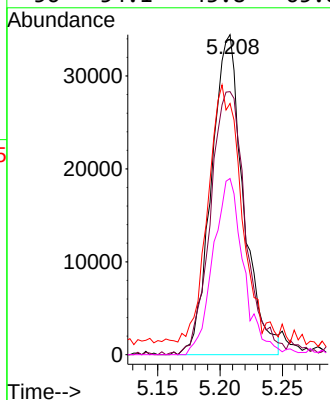
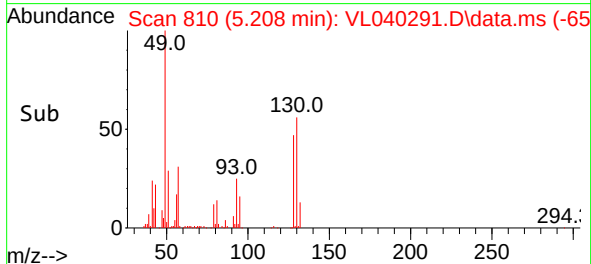
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1



Tgt Ion: 57 Resp: 61434
Ion Ratio Lower Upper
57 100
41 92.9 73.5 110.3
43 94.7 196.3 294.5
56 54.1 43.8 65.8

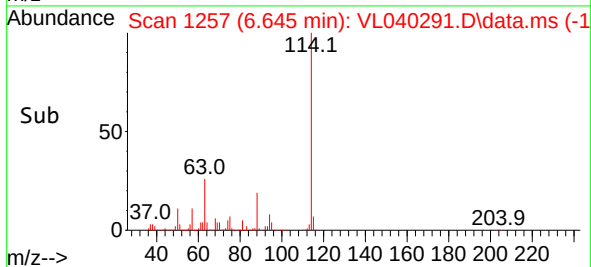
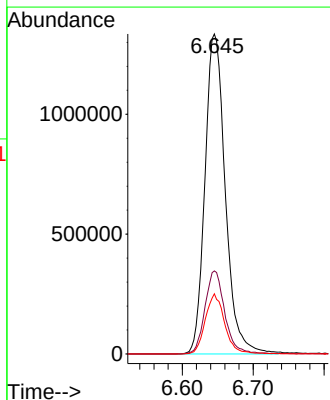
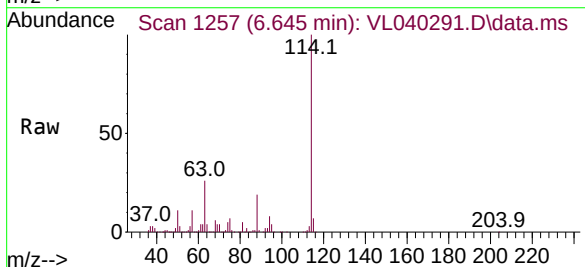
Manual Integrations
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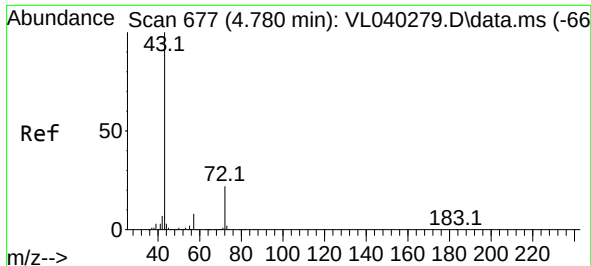
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

Tgt Ion:114 Resp: 2671859
Ion Ratio Lower Upper
114 100
63 25.5 21.2 31.8
88 18.0 14.5 21.7





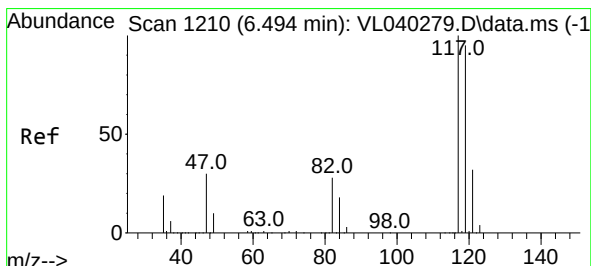
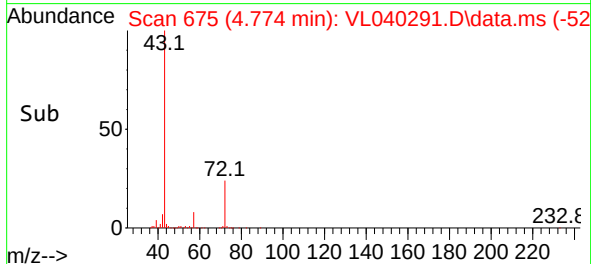
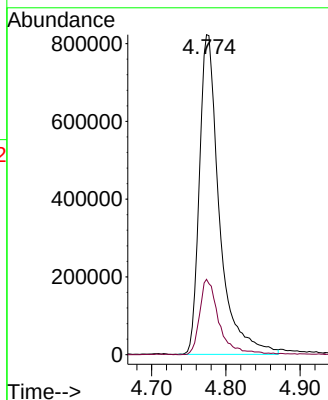
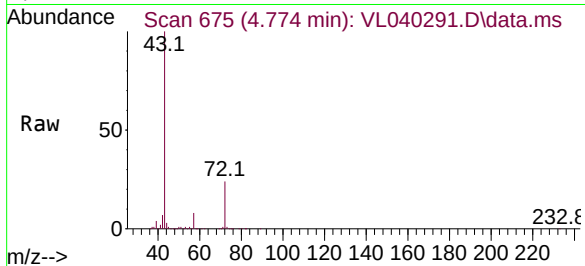
#34
2-Butanone
Concen: 11.689 ppbv
RT: 4.774 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 43 Resp: 1541339
Ion Ratio Lower Upper
43 100
72 23.3 18.3 27.5

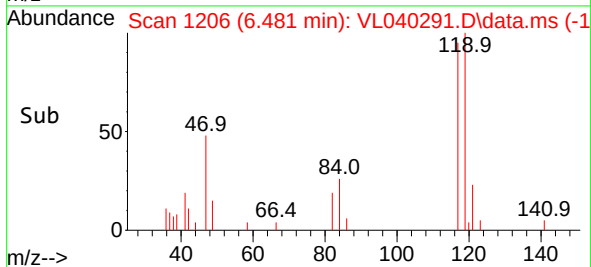
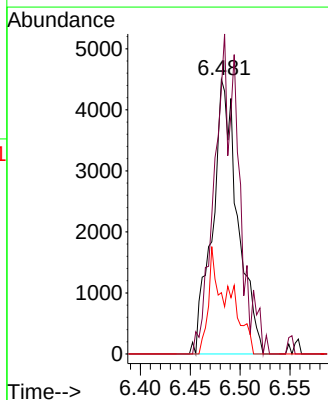
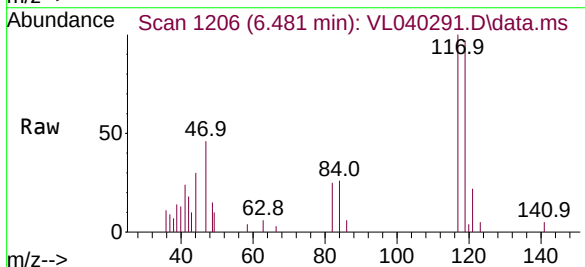
Manual Integrations
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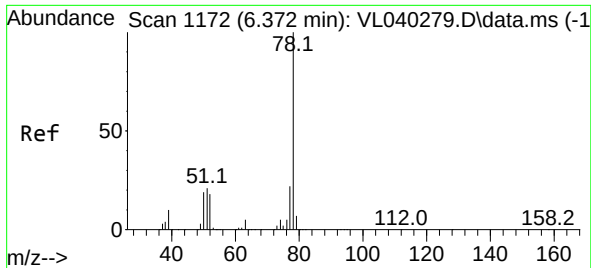
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#35
Carbon Tetrachloride
Concen: 0.047 ppbv m
RT: 6.481 min Scan# 1206
Delta R.T. -0.013 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

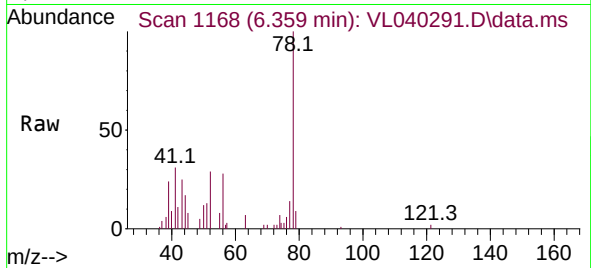
Tgt Ion:117 Resp: 7951
Ion Ratio Lower Upper
117 100
119 96.7 76.4 114.6
121 22.3 25.6 38.4#





#36
Benzene
Concen: 0.110 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.013 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

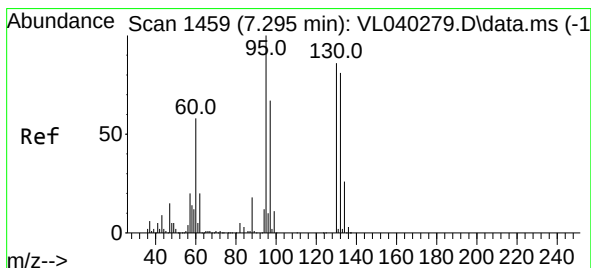
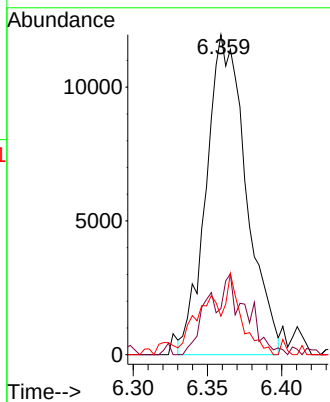
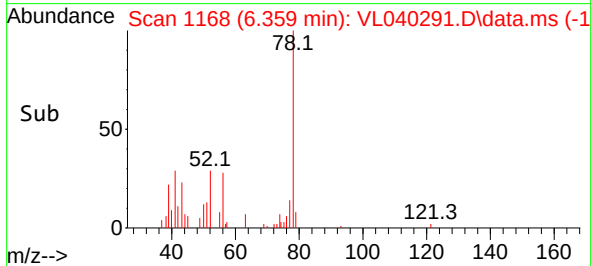
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1



Tgt Ion: 78 Resp: 22420
Ion Ratio Lower Upper
78 100
77 15.1 17.8 26.8#
50 12.6 15.4 23.2#

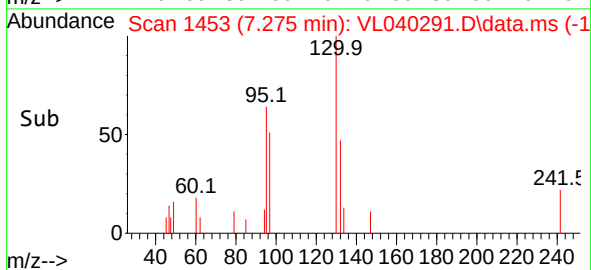
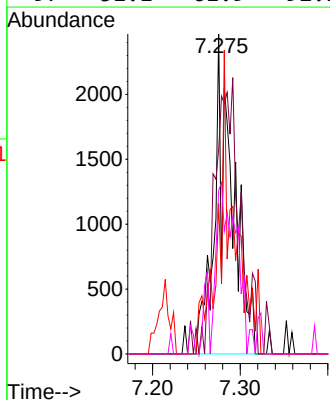
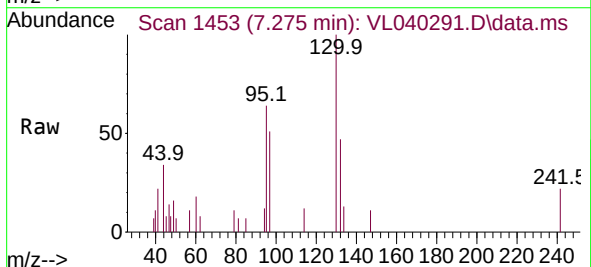
Manual Integrations
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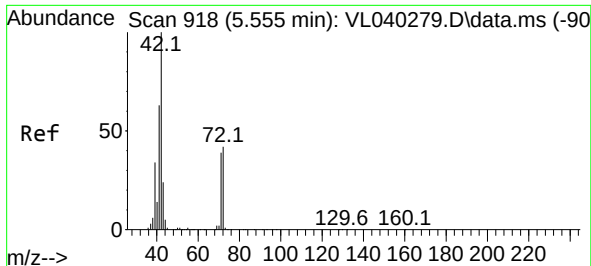
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#38
Trichloroethene
Concen: 0.033 ppbv m
RT: 7.275 min Scan# 1453
Delta R.T. -0.020 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

Tgt Ion:130 Resp: 3627
Ion Ratio Lower Upper
130 100
95 64.0 93.0 139.4#
132 47.0 75.3 112.9#
97 51.1 61.9 92.9#





#41

Tetrahydrofuran

Concen: 4.381 ppbv

RT: 5.555 min Scan# 918

Delta R.T. 0.000 min

Lab File: VL040291.D

Acq: 16 Mar 2023 11:58

Instrument :

MSVOA_L

ClientSampleId :

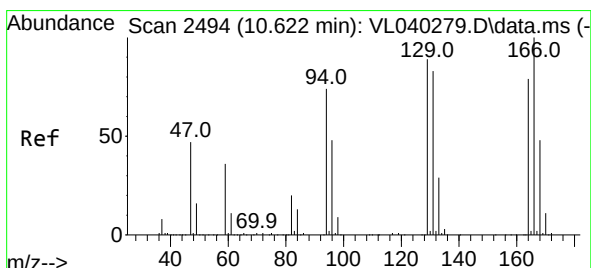
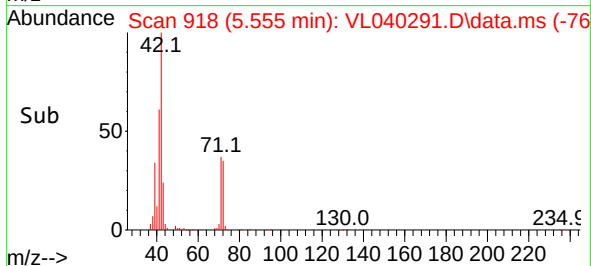
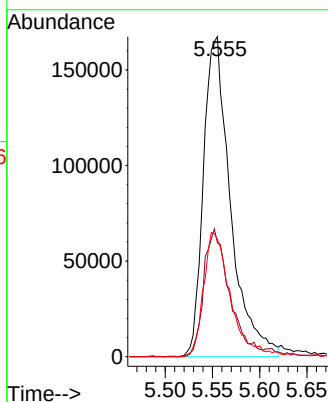
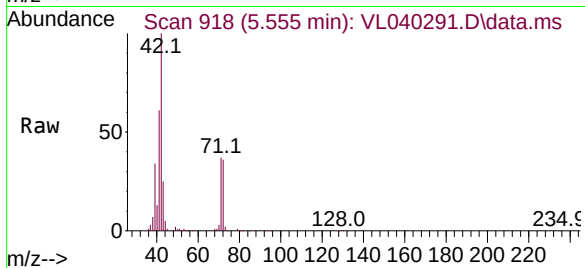
SSSG-1

Tgt Ion:	42	Resp:	333420
Ion Ratio	Lower	Upper	
42	100		
72	40.0	32.6	49.0
71	39.5	31.0	46.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#52

Tetrachloroethene

Concen: 0.070 ppbv m

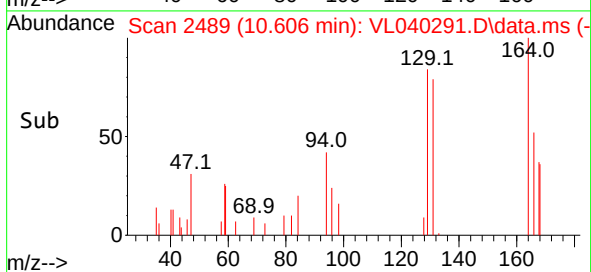
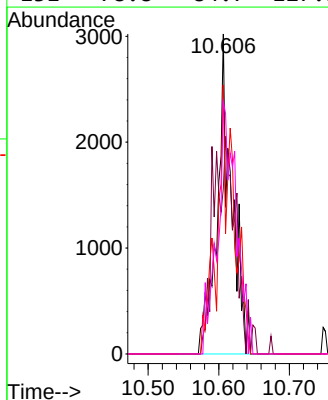
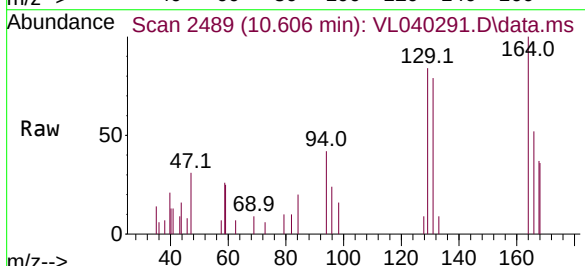
RT: 10.606 min Scan# 2489

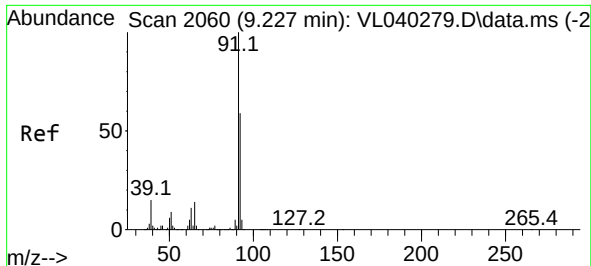
Delta R.T. -0.016 min

Lab File: VL040291.D

Acq: 16 Mar 2023 11:58

Tgt Ion:	164	Resp:	4303
Ion Ratio	Lower	Upper	
164	100		
166	51.7	101.8	152.6#
129	84.1	90.2	135.2#
131	78.8	84.7	127.1#





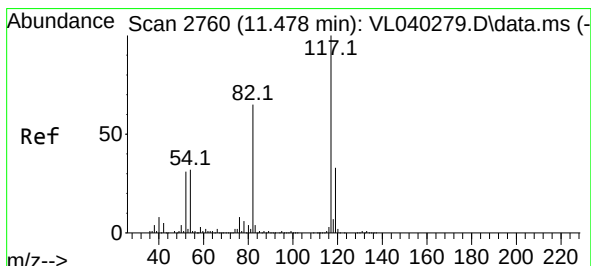
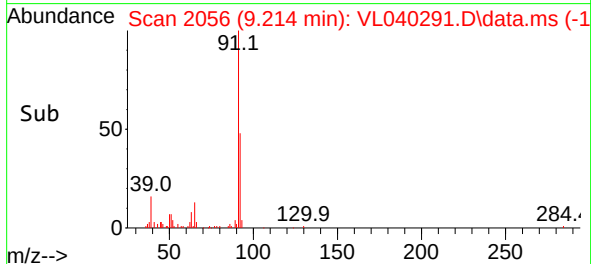
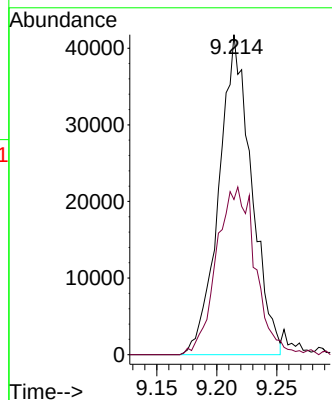
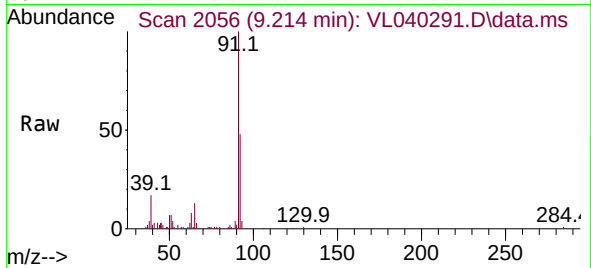
#53
Toluene
Concen: 0.371 ppbv
RT: 9.214 min Scan# 2060
Delta R.T. -0.013 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1

Tgt Ion: 91 Resp: 7907
Ion Ratio Lower Upper
91 100
92 62.9 48.0 72.0

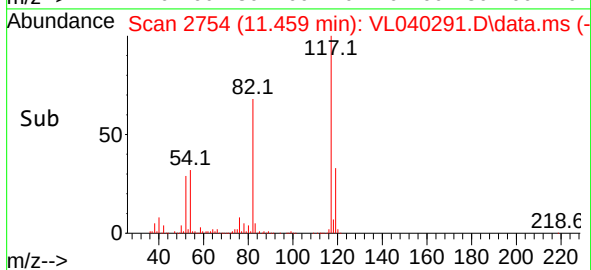
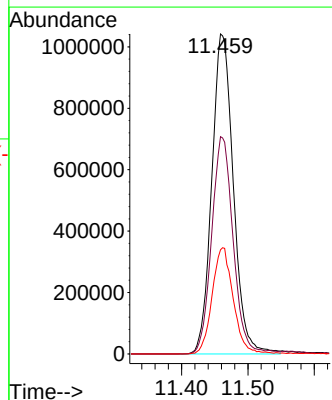
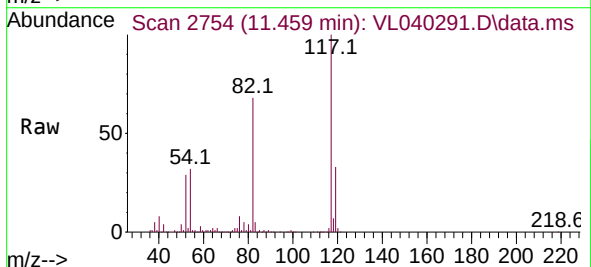
Manual Integrations
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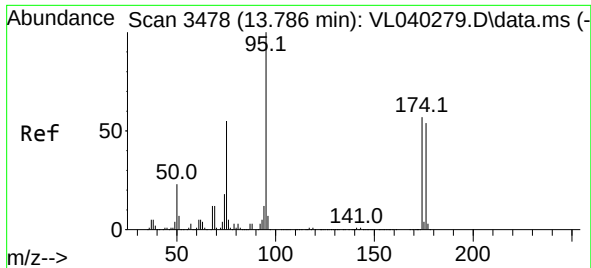
Reviewed By :Semsettin Yesilyurt 03/17/2023
Supervised By :Mahesh Dadoda 03/17/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 2754
Delta R.T. -0.019 min
Lab File: VL040291.D
Acq: 16 Mar 2023 11:58

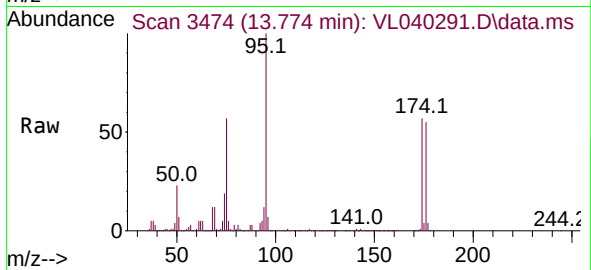
Tgt Ion:117 Resp: 2358161
Ion Ratio Lower Upper
117 100
82 68.8 51.4 77.2
119 32.8 24.0 36.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.780 ppbv
 RT: 13.774 min Scan# 3478
 Delta R.T. -0.012 min
 Lab File: VL040291.D
 Acq: 16 Mar 2023 11:58

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-1



Tgt Ion: 95 Resp: 1931389
 Ion Ratio Lower Upper
 95 100
 174 59.3 47.0 70.6
 175 4.1 3.4 5.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2023
 Supervised By :Mahesh Dadoda 03/17/2023

