

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040275.D
 Acq On : 13 Mar 2023 21:47
 Operator : SY/MD
 Sample : 01899-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
 Supervised By :Mahesh Dadoda 03/15/2023

Quant Time: Mar 14 04:57:19 2023

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

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

QLast Update : Tue Mar 14 04:52:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	886996	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2159286	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	1948681	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1565588	9.770	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	23674	0.143	ppbv	95
3) Chlorodifluoromethane	2.668	51	12640m	0.119	ppbv	
9) Propene	2.700	41	19314	0.447	ppbv	88
10) Heptane	7.587	43	11061m	0.108	ppbv	
13) Ethanol	3.250	45	14937m	3.757	ppbv	
15) Acetone	3.475	43	119781	1.122	ppbv	96
19) Isopropyl Alcohol	3.600	45	9241m	0.182	ppbv	
20) Methylene Chloride	3.935	84	64478	1.160	ppbv	85
23) Vinyl Acetate	4.632	43	257505	7.946	ppbv	97
26) Hexane	5.218	57	165239	1.939	ppbv #	34
34) 2-Butanone	4.816	43	27117m	0.255	ppbv	
52) Tetrachloroethene	10.623	164	9896m	0.189	ppbv	
53) Toluene	9.230	91	91375	0.508	ppbv	100
59) m/p-Xylene	12.365	91	41400m	0.197	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	76082m	0.334	ppbv	

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

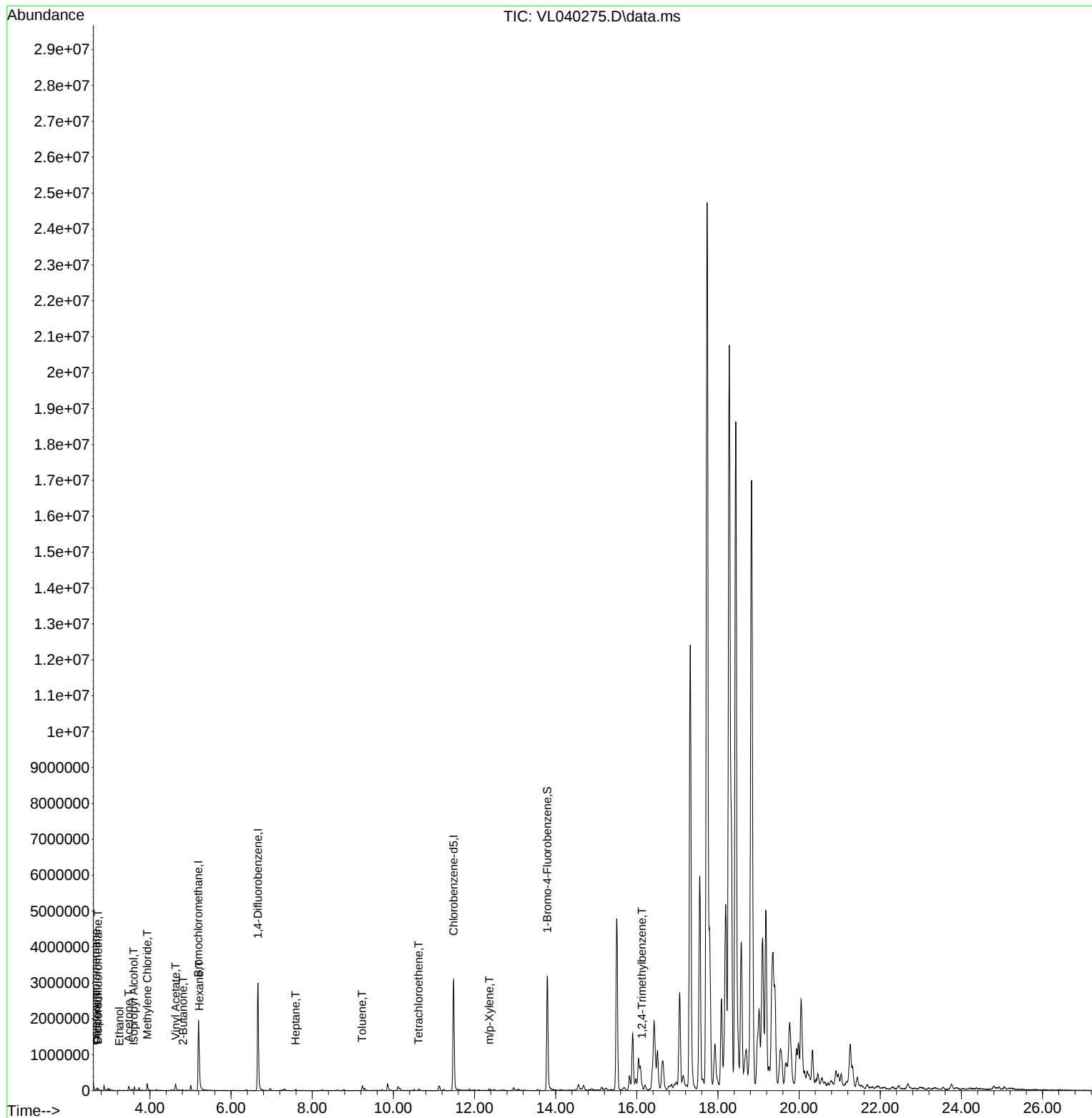
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
Data File : VL040275.D
Acq On : 13 Mar 2023 21:47
Operator : SY/MD
Sample : 01899-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

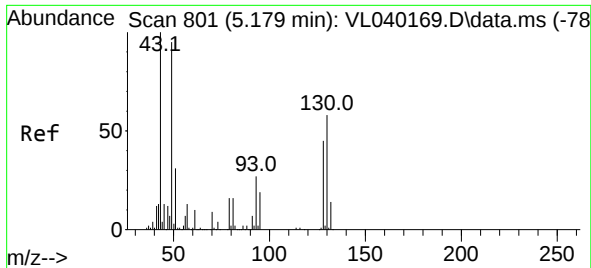
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Mar 14 04:57:19 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 : Tue Mar 14 04:52:39 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

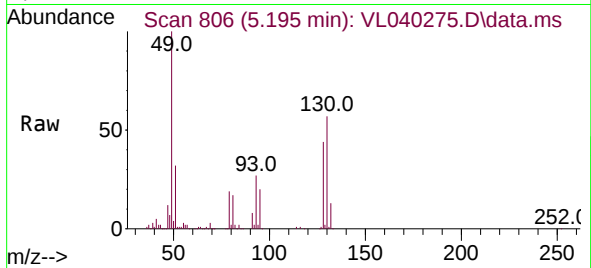
Reviewed By : Semsettin Yesilyurt 03/14/2023
Supervised By : Mahesh Dadoda 03/15/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

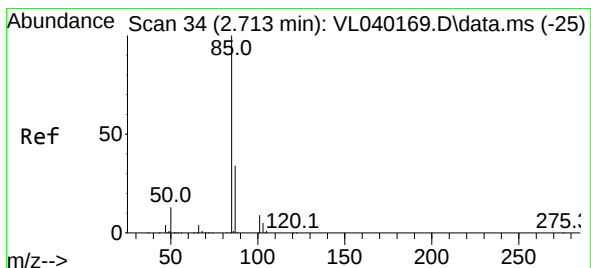
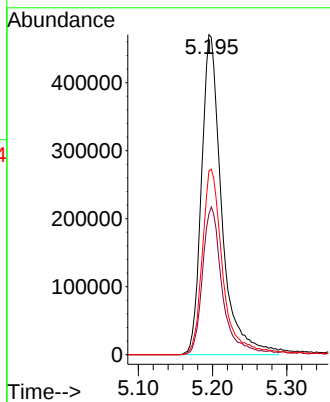
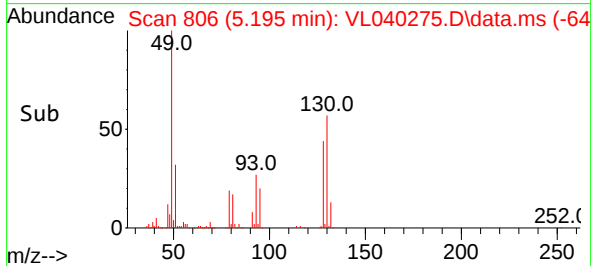
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 886990
Ion Ratio Lower Upper
49 100
128 46.6 24.1 72.3
130 60.6 30.9 92.8

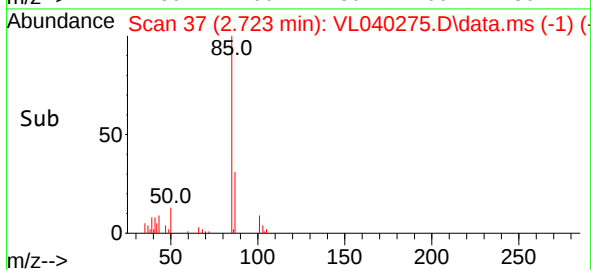
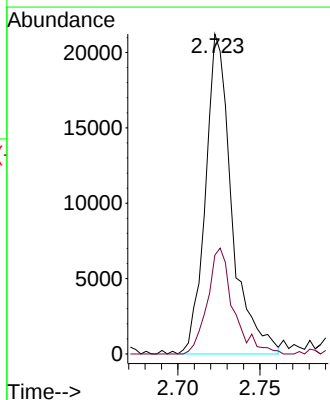
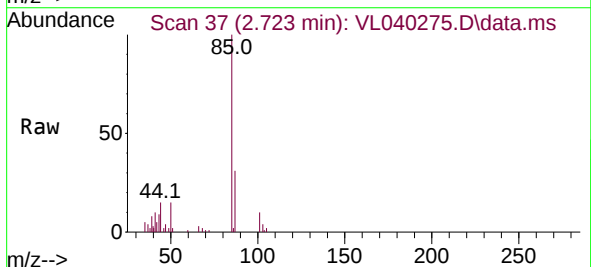
Manual Integrations
APPROVED

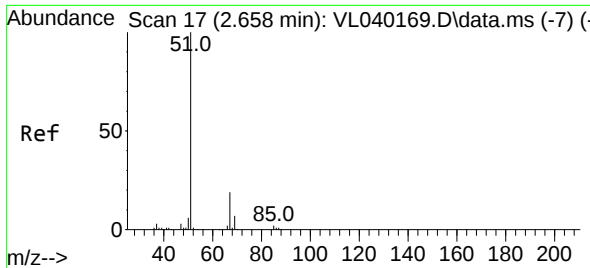
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#2
Dichlorodifluoromethane
Concen: 0.143 ppbv
RT: 2.723 min Scan# 37
Delta R.T. 0.010 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

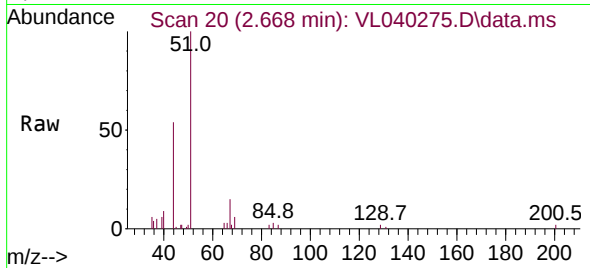
Tgt Ion: 85 Resp: 23674
Ion Ratio Lower Upper
85 100
87 30.8 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.119 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

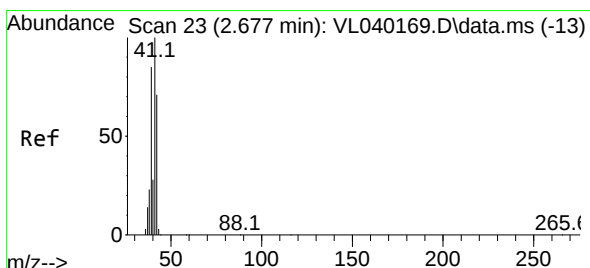
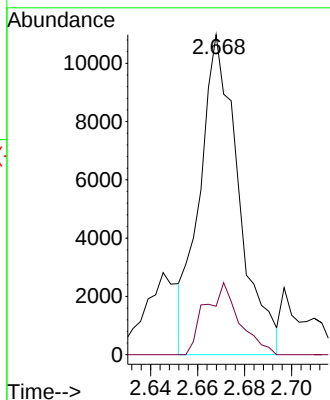
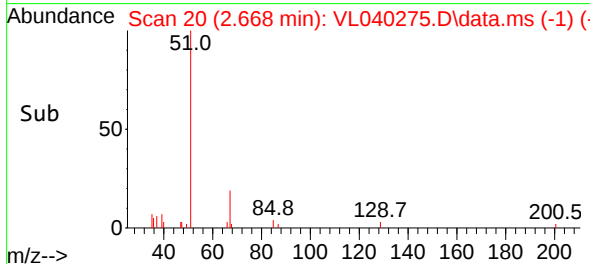
Instrument :
MSVOA_L
ClientSampleId :
SV1



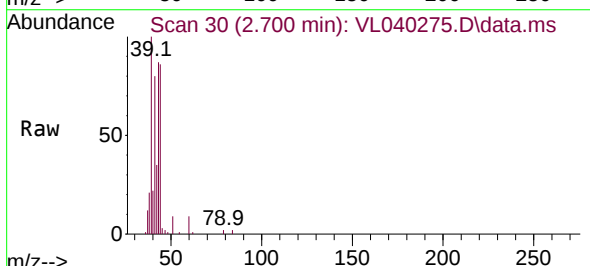
Tgt Ion: 51 Resp: 12640
Ion Ratio Lower Upper
51 100
67 19.8 15.4 23.2

Manual Integrations
APPROVED

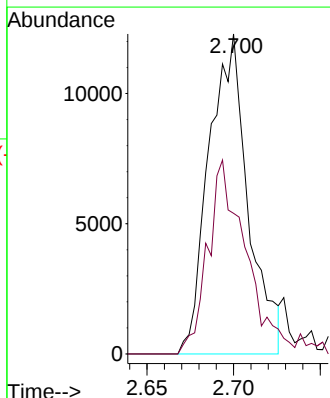
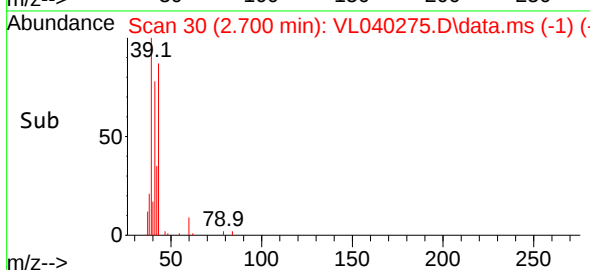
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

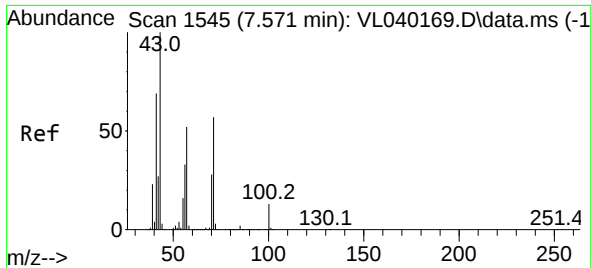


#9
Propene
Concen: 0.447 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.023 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47



Tgt Ion: 41 Resp: 19314
Ion Ratio Lower Upper
41 100
42 61.1 56.9 85.3





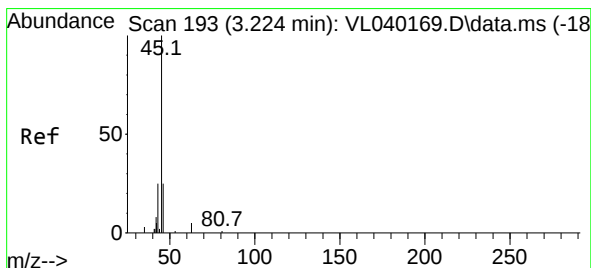
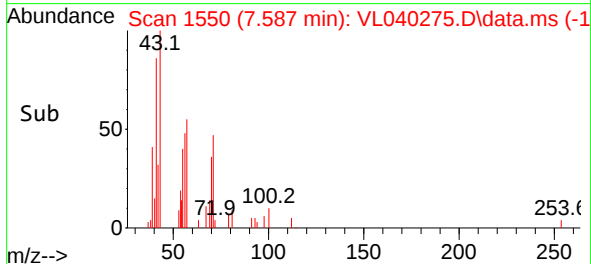
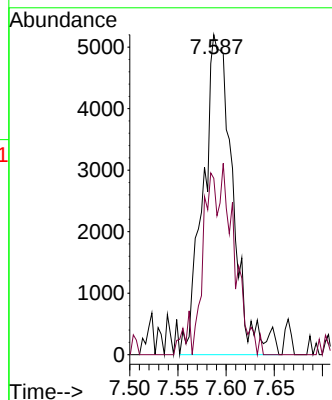
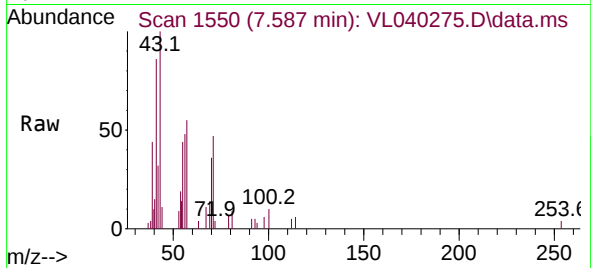
#10
Heptane
Concen: 0.108 ppbv m
RT: 7.587 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 1106
Ion Ratio Lower Upper
43 100
57 61.3 41.4 62.2

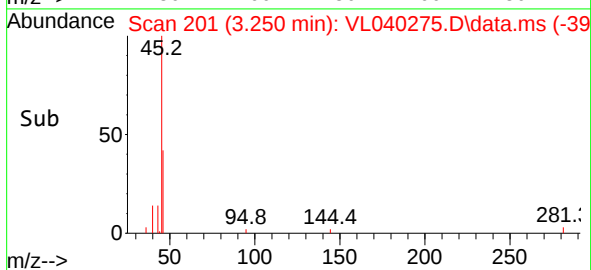
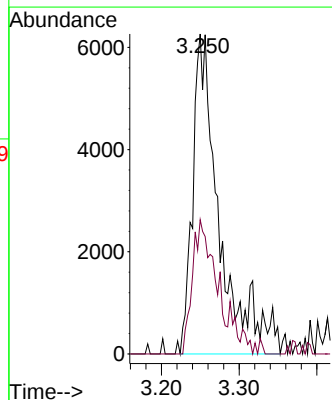
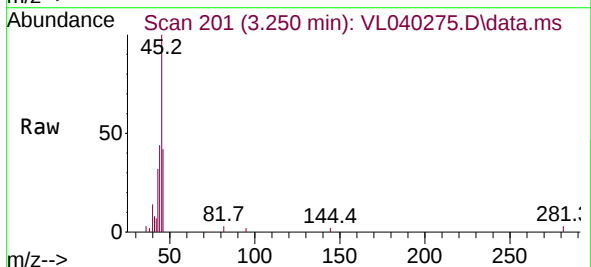
Manual Integrations
APPROVED

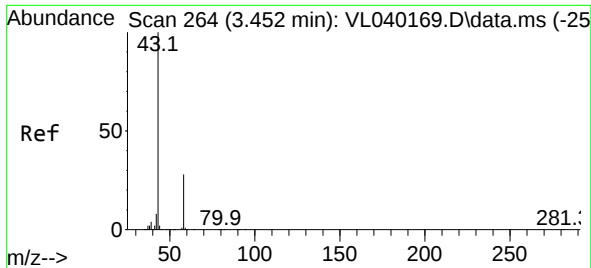
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#13
Ethanol
Concen: 3.757 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.019 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

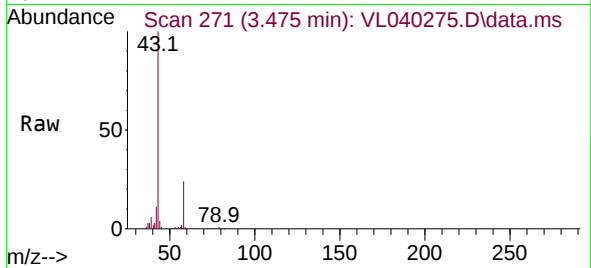
Tgt Ion: 45 Resp: 14937
Ion Ratio Lower Upper
45 100
46 41.6 13.3 53.1





#15
Acetone
Concen: 1.122 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

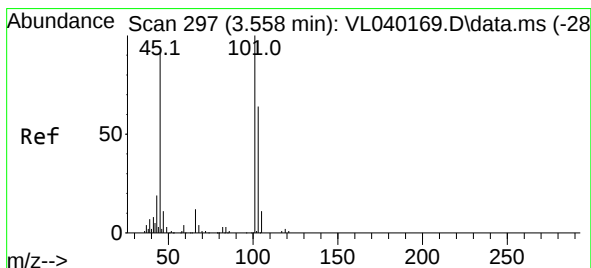
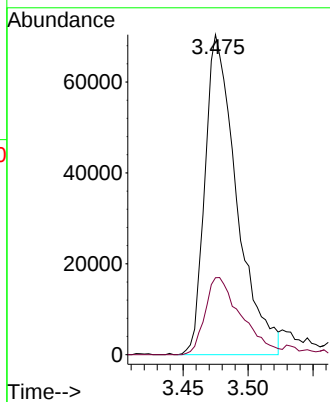
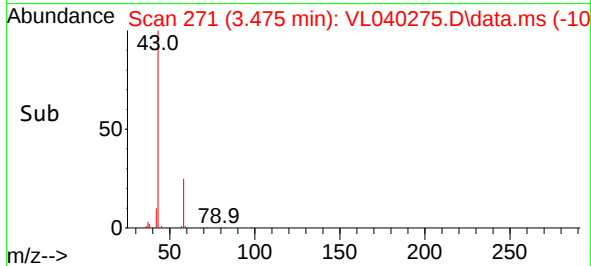
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 11978
Ion Ratio Lower Upper
43 100
58 30.1 22.4 33.6

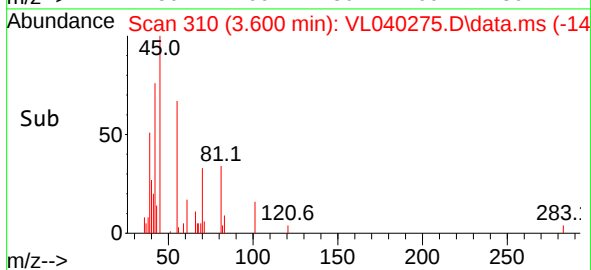
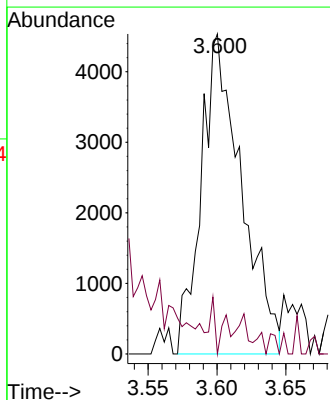
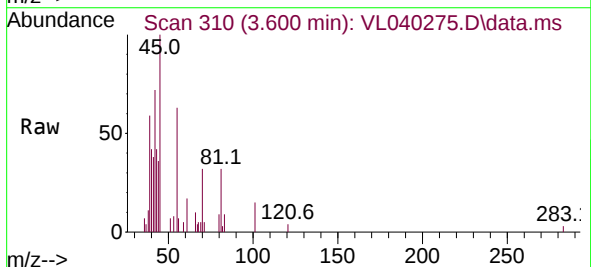
Manual Integrations
APPROVED

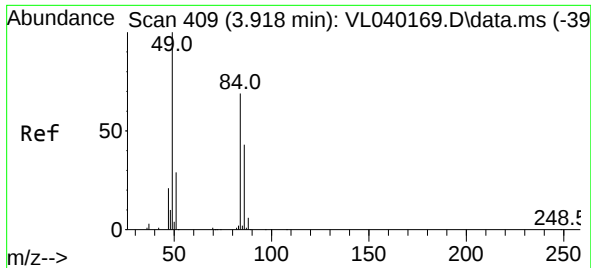
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#19
Isopropyl Alcohol
Concen: 0.182 ppbv m
RT: 3.600 min Scan# 310
Delta R.T. 0.039 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

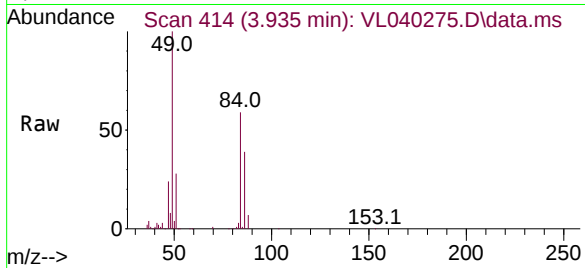
Tgt Ion: 45 Resp: 9241
Ion Ratio Lower Upper
45 100
58 0.0 2.6 3.8#





#20
Methylene Chloride
Concen: 1.160 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.013 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

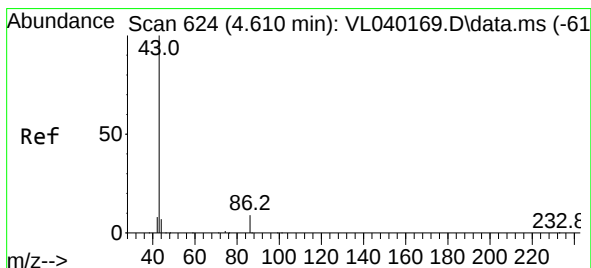
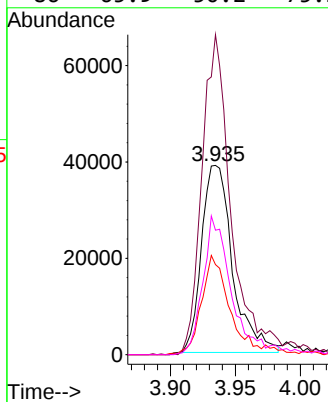
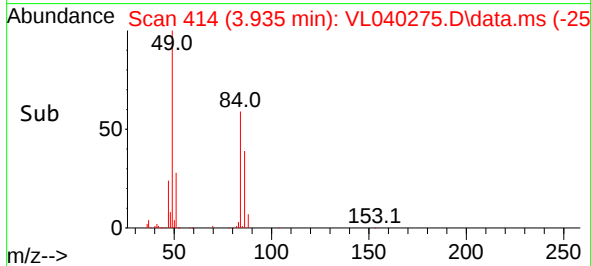
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 84 Resp: 64478
Ion Ratio Lower Upper
84 100
49 171.2 115.5 173.3
51 47.4 33.1 49.7
86 65.9 50.2 75.2

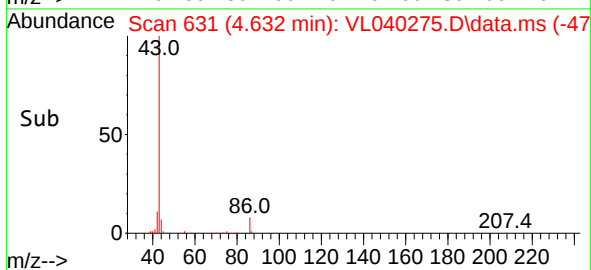
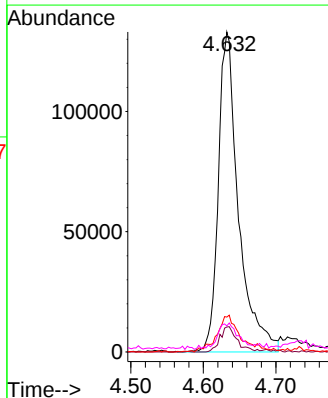
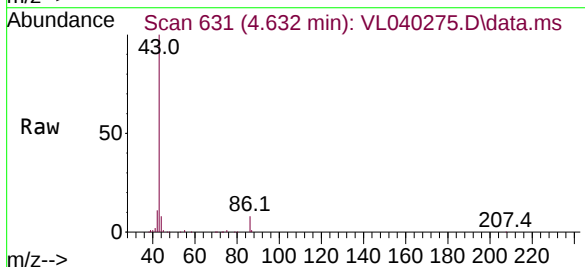
Manual Integrations
APPROVED

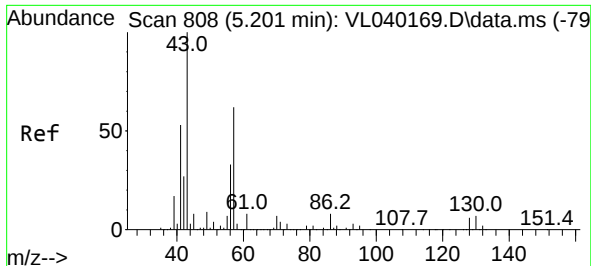
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#23
Vinyl Acetate
Concen: 7.946 ppbv
RT: 4.632 min Scan# 631
Delta R.T. 0.013 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

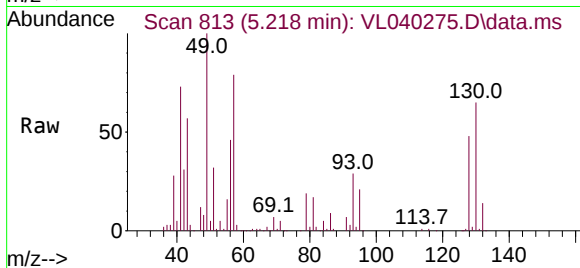
Tgt Ion: 43 Resp: 257505
Ion Ratio Lower Upper
43 100
86 7.8 5.6 8.4
42 10.7 7.6 11.4
44 6.5 4.8 7.2





#26
Hexane
Concen: 1.939 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.010 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

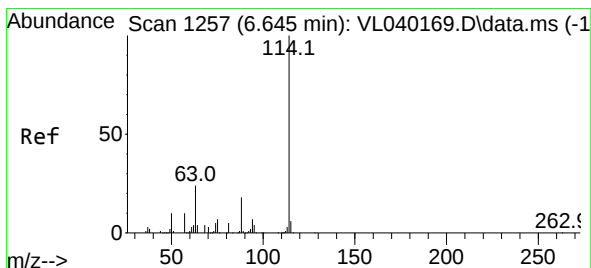
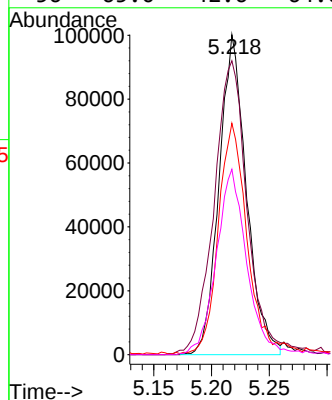
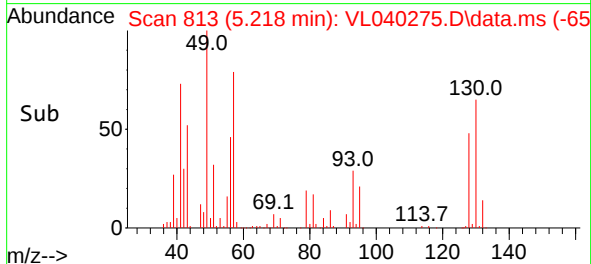
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 57 Resp: 165239
Ion Ratio Lower Upper
57 100
41 113.7 74.3 111.5
43 80.3 193.0 289.4
56 65.0 42.6 64.0

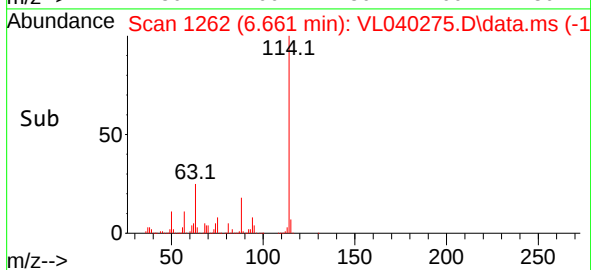
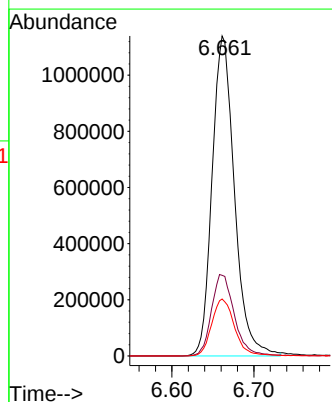
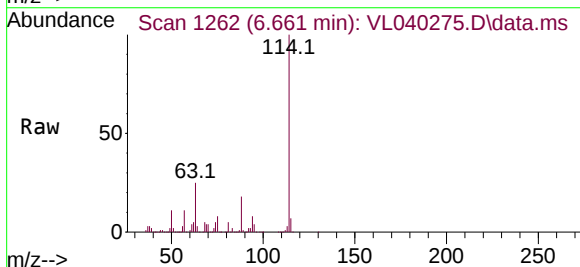
Manual Integrations
APPROVED

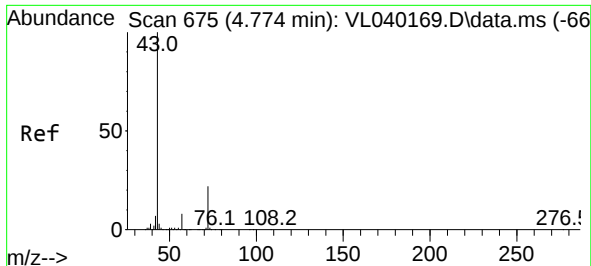
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.007 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

Tgt Ion:114 Resp: 2159286
Ion Ratio Lower Upper
114 100
63 26.3 20.4 30.6
88 18.3 14.3 21.5





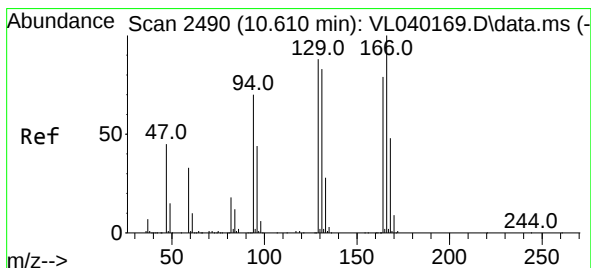
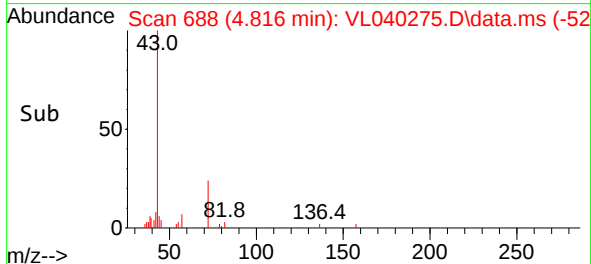
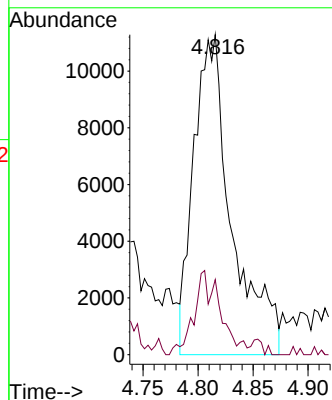
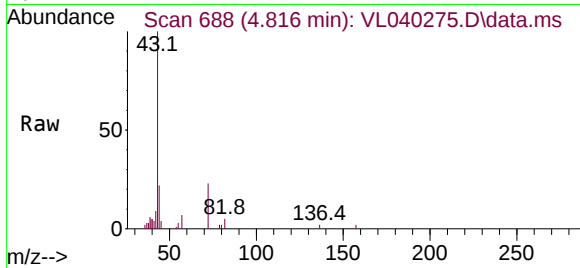
#34
2-Butanone
Concen: 0.255 ppbv m
RT: 4.816 min Scan# 675
Delta R.T. 0.039 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
72 19.7 17.8 26.8

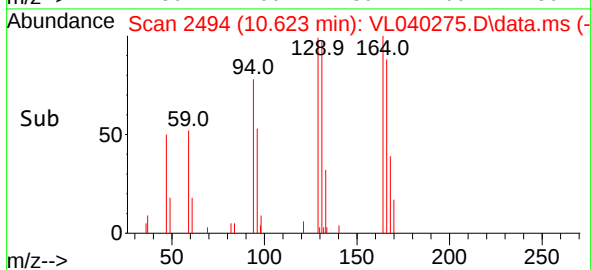
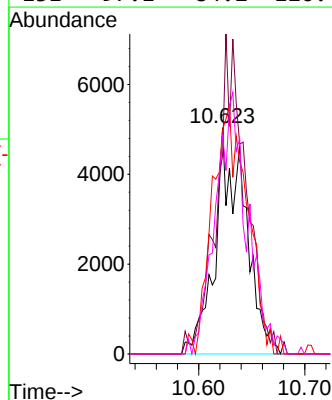
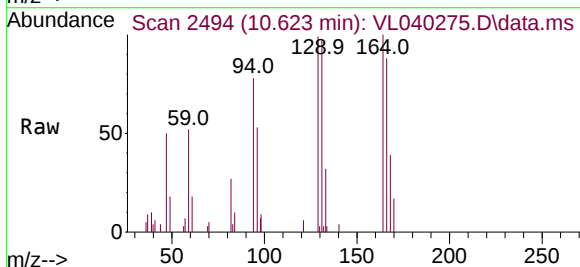
Manual Integrations
APPROVED

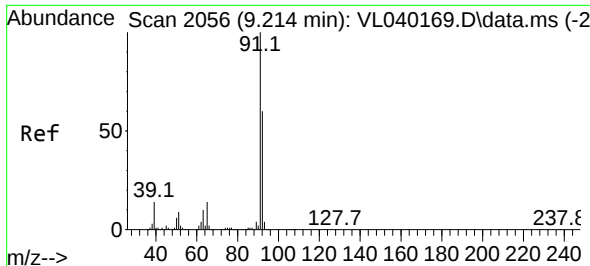
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#52
Tetrachloroethene
Concen: 0.189 ppbv m
RT: 10.623 min Scan# 2494
Delta R.T. 0.000 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

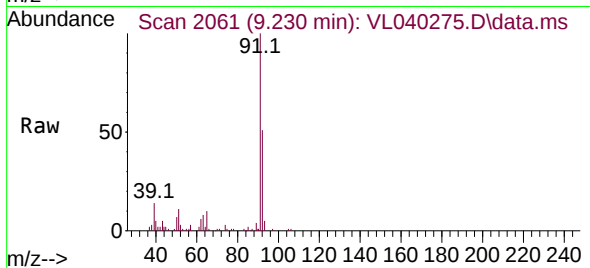
Tgt Ion:164 Resp: 9896
Ion Ratio Lower Upper
164 100
166 87.6 101.5 152.3#
129 99.1 89.0 133.4
131 97.1 84.2 126.4





#53
Toluene
Concen: 0.508 ppbv
RT: 9.230 min Scan# 2056
Delta R.T. 0.007 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

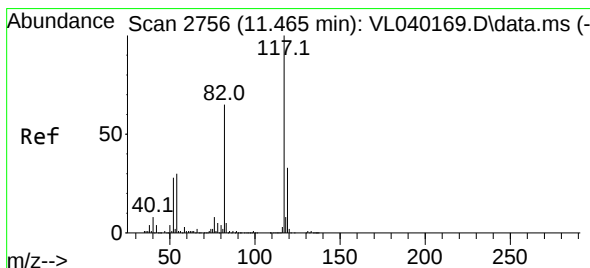
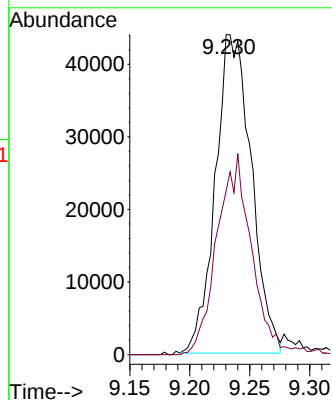
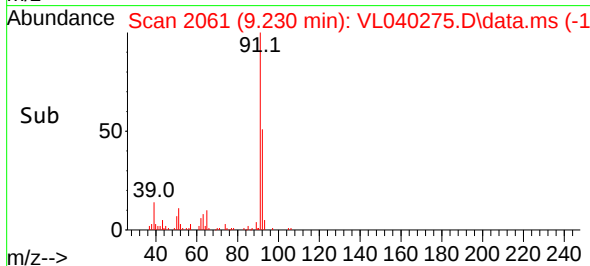
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 91 Resp: 91375
Ion Ratio Lower Upper
91 100
92 61.4 48.9 73.3

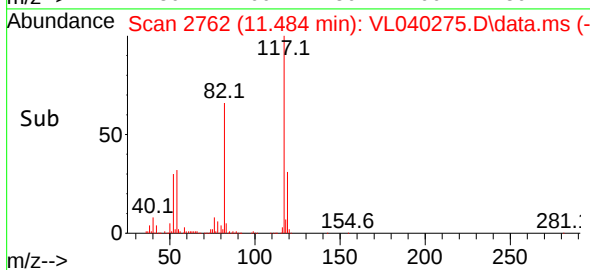
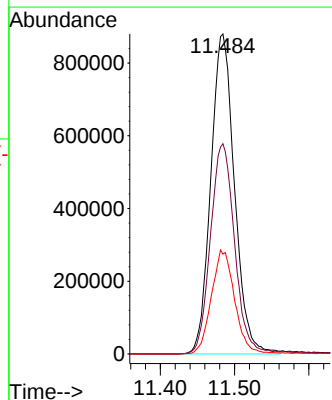
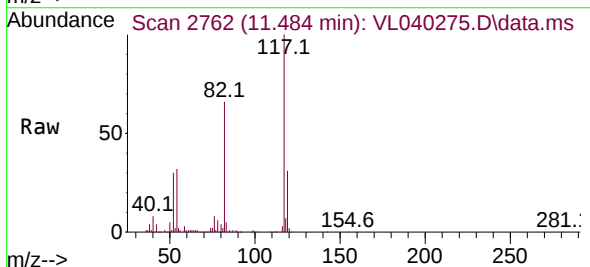
Manual Integrations
APPROVED

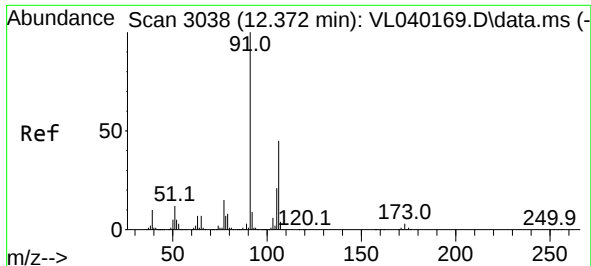
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.010 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

Tgt Ion:117 Resp: 1948681
Ion Ratio Lower Upper
117 100
82 67.5 53.3 79.9
119 32.5 24.6 37.0





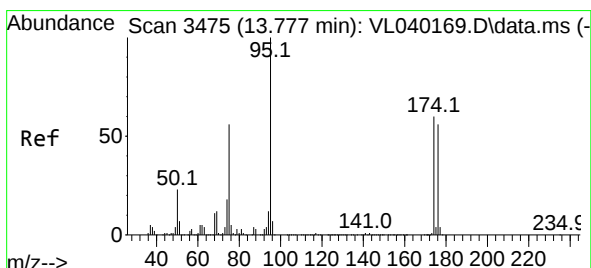
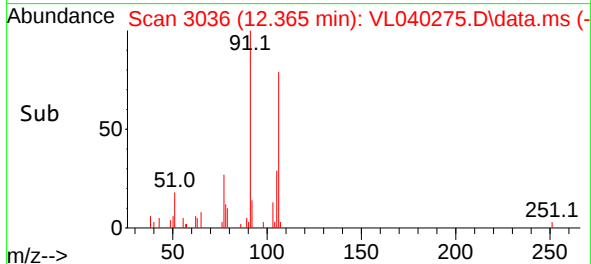
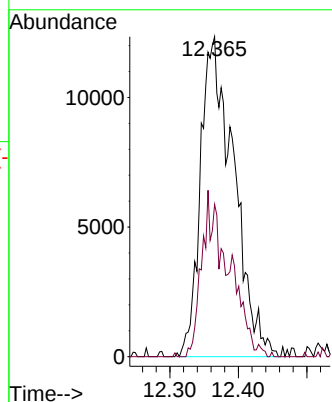
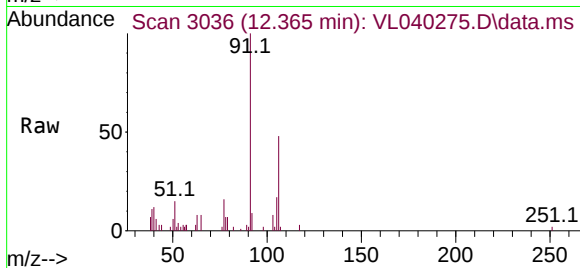
#59
m/p-Xylene
Concen: 0.197 ppbv m
RT: 12.365 min Scan# 3036
Delta R.T. -0.016 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 41400
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8

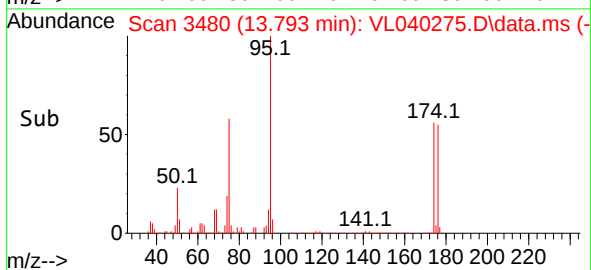
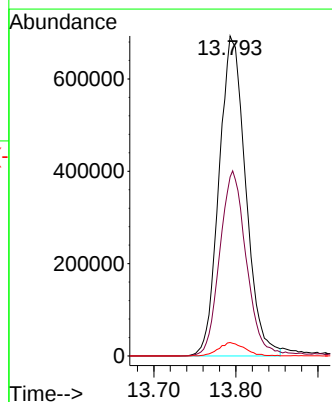
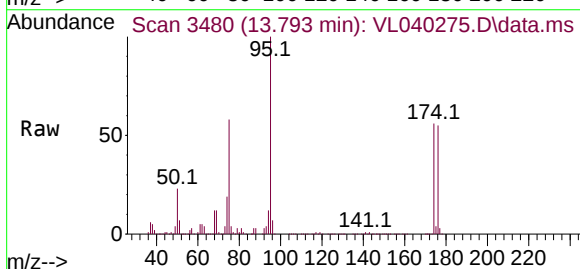
Manual Integrations
APPROVED

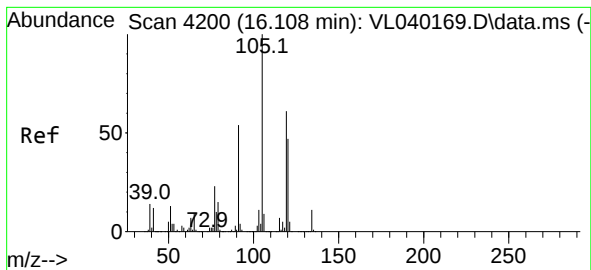
Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.770 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.010 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

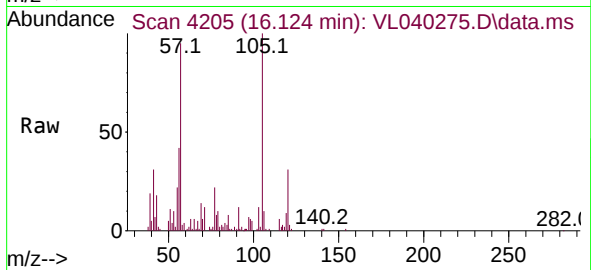
Tgt Ion: 95 Resp: 1565588
Ion Ratio Lower Upper
95 100
174 59.1 48.2 72.2
175 4.2 3.4 5.2





#74
1,2,4-Trimethylbenzene
Concen: 0.334 ppbv m
RT: 16.124 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040275.D
Acq: 13 Mar 2023 21:47

Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:	105	Resp:	7608
Ion	Ratio	Lower	Upper
105	100		
120	31.5	37.9	56.9
91	11.7	43.7	65.5
77	21.6	18.3	27.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/14/2023
Supervised By :Mahesh Dadoda 03/15/2023

