

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040710.D
 Acq On : 18 Sep 2023 22:21
 Operator : SY/MD
 Sample : 04403-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 29W-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:22:57 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

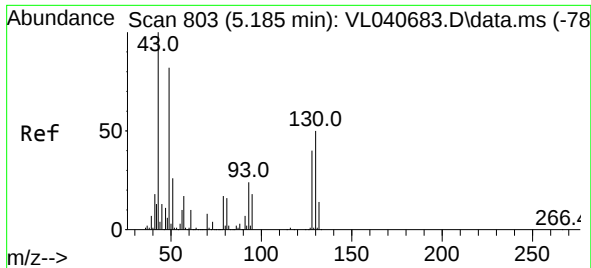
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.198	49	1279269	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3382595	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2878219	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2150185	9.669	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	24074	0.085	ppbv	96
3) Chlorodifluoromethane	2.677	51	71879m	0.345	ppbv	
4) Chloromethane	2.813	50	10397	0.130	ppbv #	84
9) Propene	2.706	41	89243	1.486	ppbv #	68
11) Trichlorofluoromethane	3.565	101	8736	0.035	ppbv	89
13) Ethanol	3.240	45	2545808	143.259	ppbv	96
15) Acetone	3.472	43	1010257	5.987	ppbv	98
19) Isopropyl Alcohol	3.584	45	308766	3.037	ppbv #	97
20) Methylene Chloride	3.938	84	33599	0.370	ppbv #	85
25) Ethyl Acetate	5.214	43	162282	0.596	ppbv #	96
26) Hexane	5.221	57	107555	0.836	ppbv #	72
29) Chloroform	5.279	83	19694m	0.089	ppbv	
34) 2-Butanone	4.796	43	39705	0.233	ppbv #	88
36) Benzene	6.378	78	32103m	0.128	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	66599	0.167	ppbv #	87
53) Toluene	9.230	91	196580	0.743	ppbv	99
59) m/p-Xylene	12.349	91	37928m	0.123	ppbv	
79) Naphthalene	21.403	128	38223m	0.170	ppbv	

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

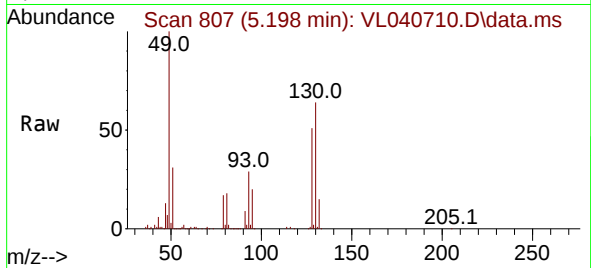
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

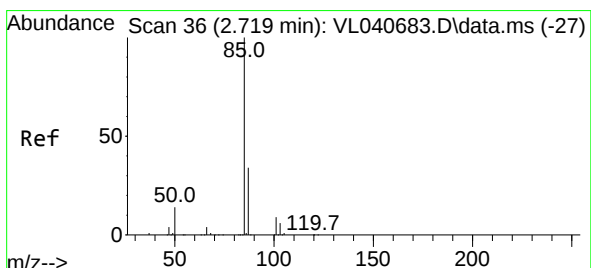
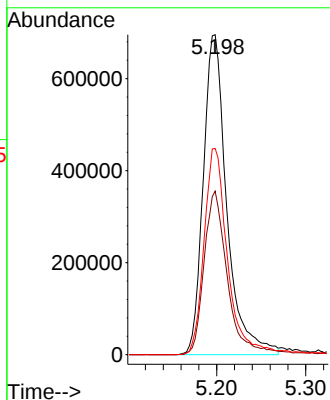
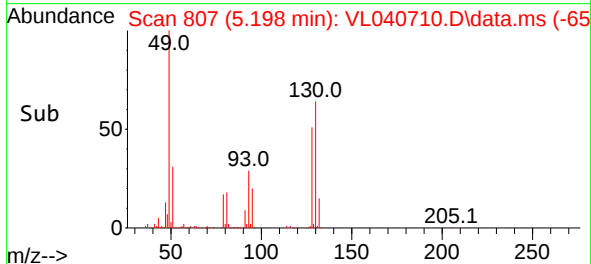
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



Tgt Ion: 49 Resp: 127926
Ion Ratio Lower Upper
49 100
128 51.6 25.4 76.0
130 66.2 32.3 96.8

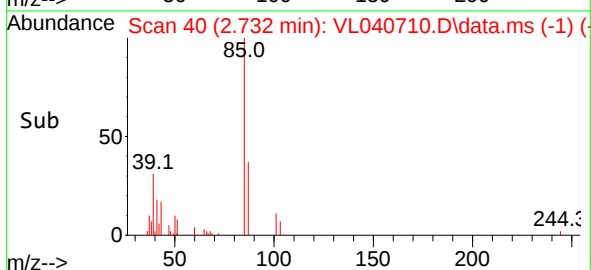
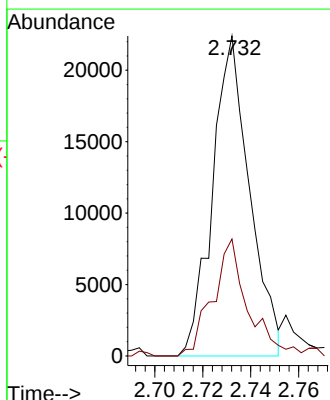
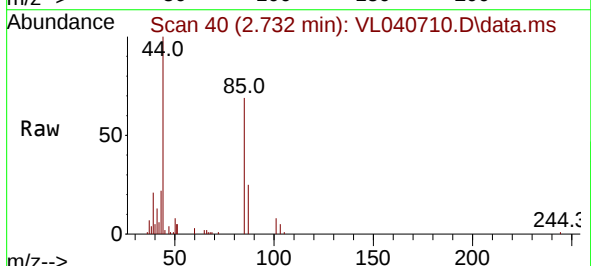
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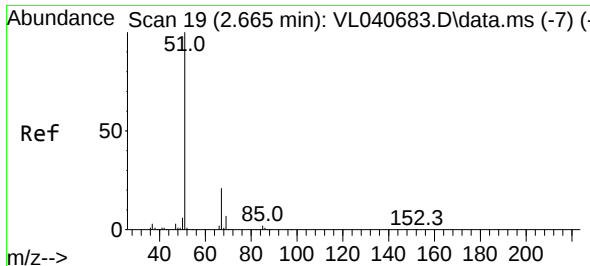
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#2
Dichlorodifluoromethane
Concen: 0.085 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

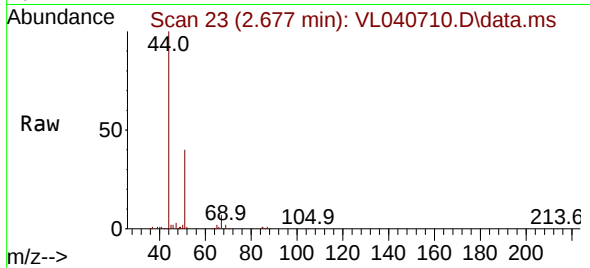
Tgt Ion: 85 Resp: 24074
Ion Ratio Lower Upper
85 100
87 36.5 27.2 40.8





#3
Chlorodifluoromethane
Concen: 0.345 ppbv m
RT: 2.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

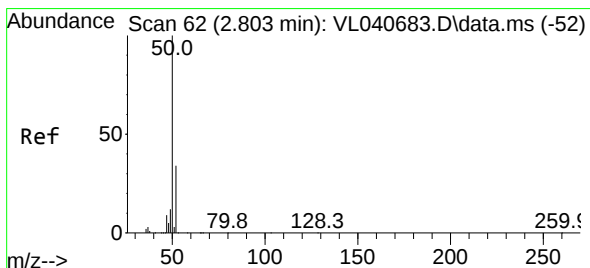
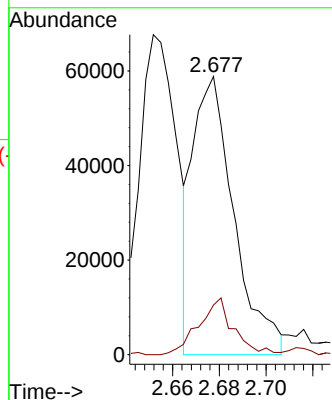
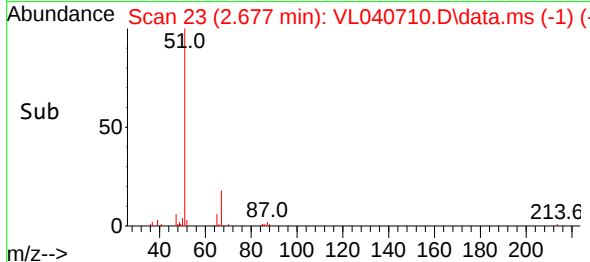
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



Tgt Ion: 51 Resp: 71879
Ion Ratio Lower Upper
51 100
67 19.4 16.7 25.1

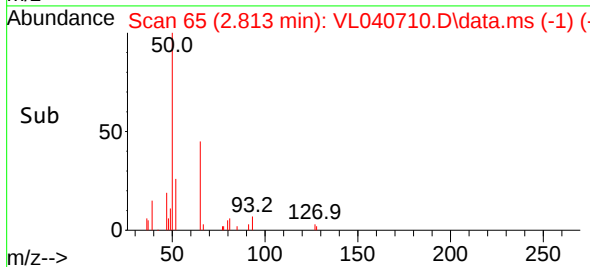
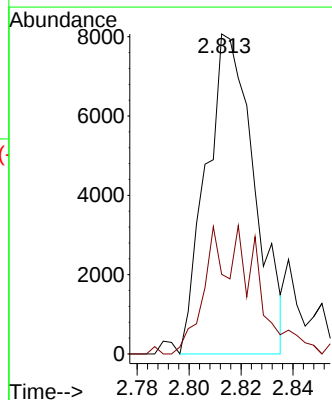
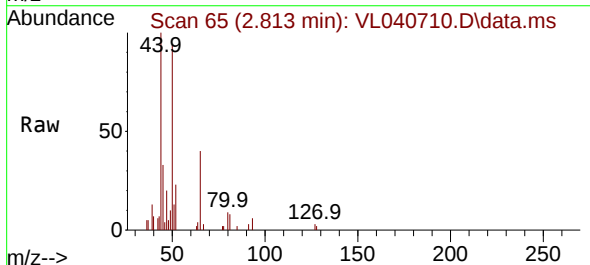
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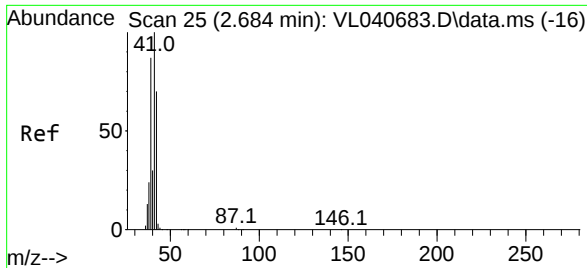
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Supervised By :Mahesh Dadoda 09/19/2023



#4
Chloromethane
Concen: 0.130 ppbv
RT: 2.813 min Scan# 65
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

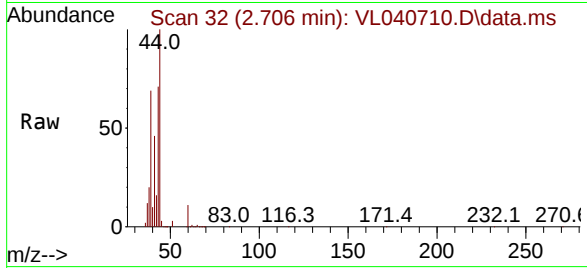
Tgt Ion: 50 Resp: 10397
Ion Ratio Lower Upper
50 100
52 24.9 27.1 40.7#





#9
 Propene
 Concen: 1.486 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL040710.D
 Acq: 18 Sep 2023 22:21

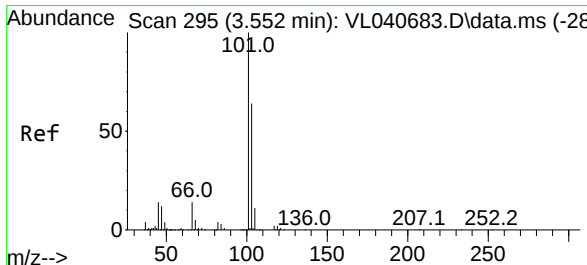
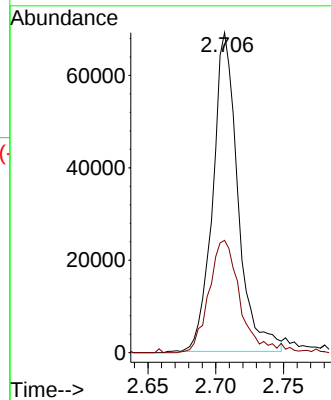
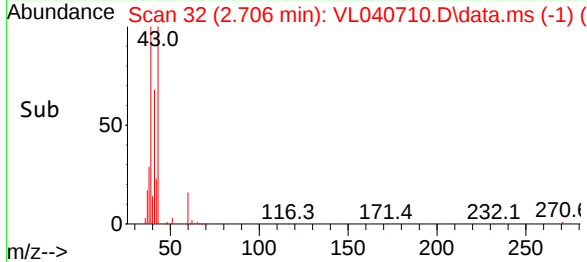
Instrument :
 MSVOA_L
 ClientSampleId :
 29W-2DL



Tgt Ion: 41 Resp: 8924
 Ion Ratio Lower Upper
 41 100
 42 44.3 56.7 85.1

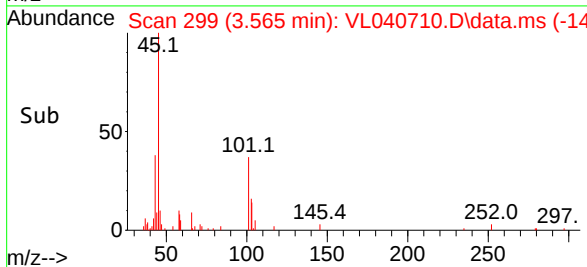
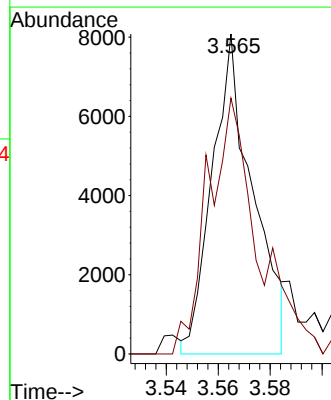
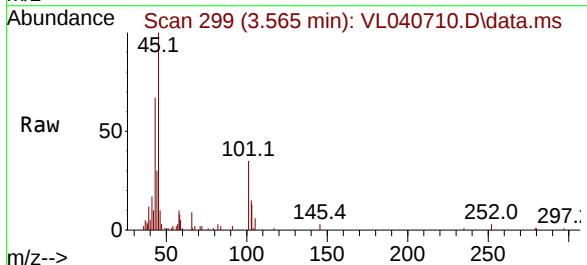
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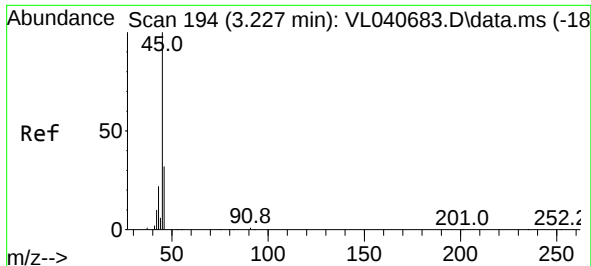
Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023



#11
 Trichlorofluoromethane
 Concen: 0.035 ppbv
 RT: 3.565 min Scan# 299
 Delta R.T. -0.003 min
 Lab File: VL040710.D
 Acq: 18 Sep 2023 22:21

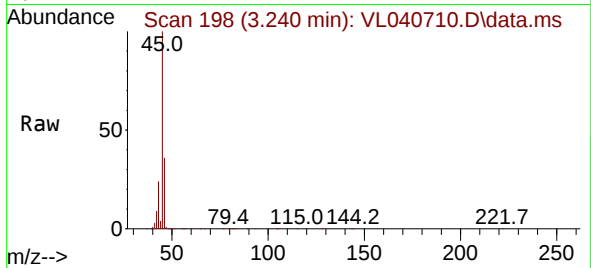
Tgt Ion:101 Resp: 8736
 Ion Ratio Lower Upper
 101 100
 103 72.7 51.3 76.9





#13
Ethanol
Concen: 143.259 ppbv
RT: 3.240 min Scan# 194
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

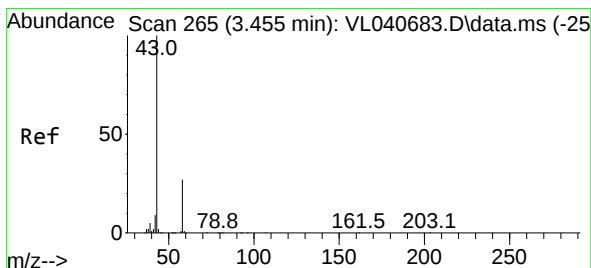
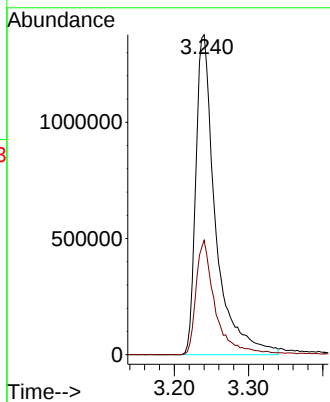
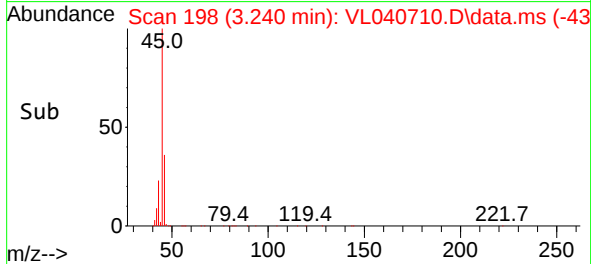
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



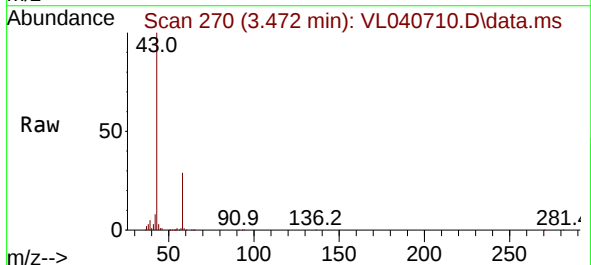
Tgt Ion: 45 Resp: 254580
Ion Ratio Lower Upper
45 100
46 35.9 15.2 61.0

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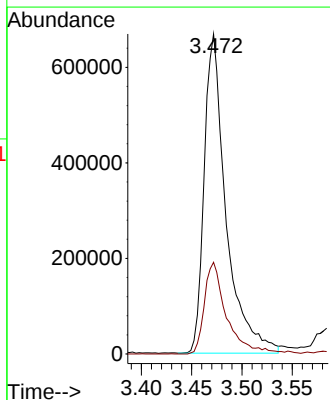
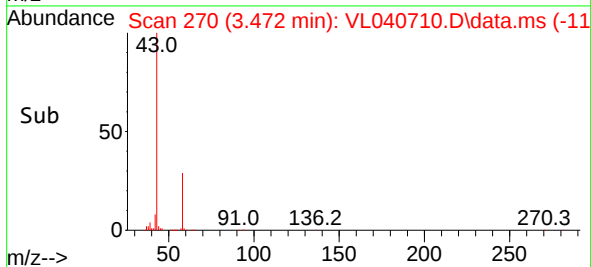
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Supervised By :Mahesh Dadoda 09/19/2023

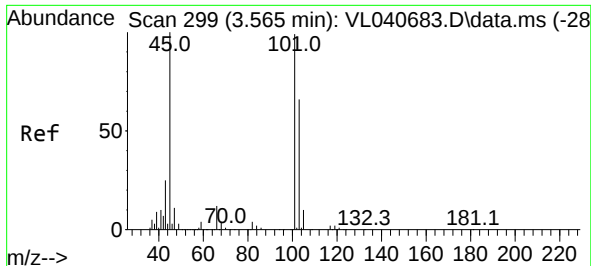


#15
Acetone
Concen: 5.987 ppbv
RT: 3.472 min Scan# 270
Delta R.T. 0.000 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21



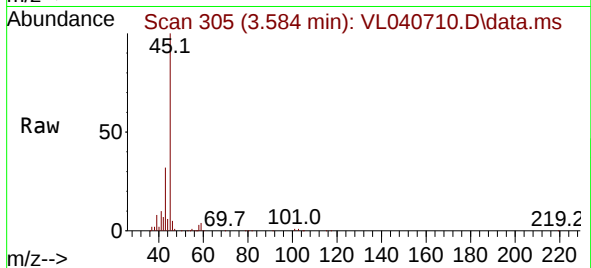
Tgt Ion: 43 Resp: 1010257
Ion Ratio Lower Upper
43 100
58 29.4 22.6 34.0





#19
Isopropyl Alcohol
Concen: 3.037 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.007 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

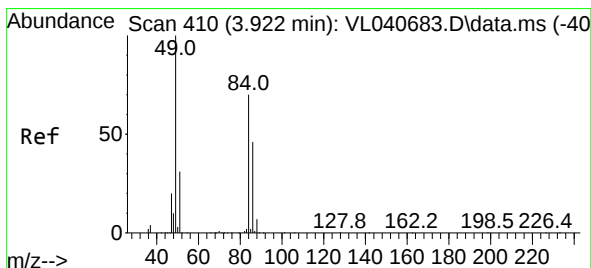
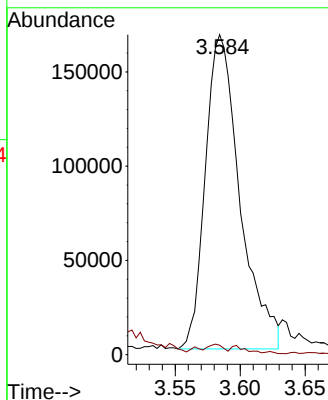
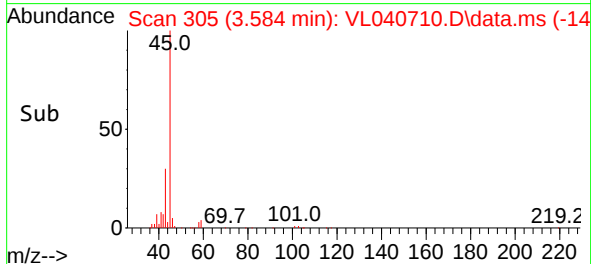
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



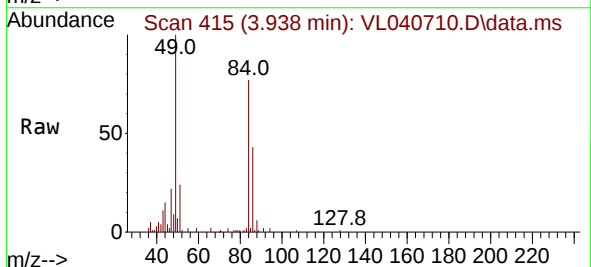
Tgt Ion: 45 Resp: 308760
Ion Ratio Lower Upper
45 100
58 3.4 1.9 2.9

Manual Integrations
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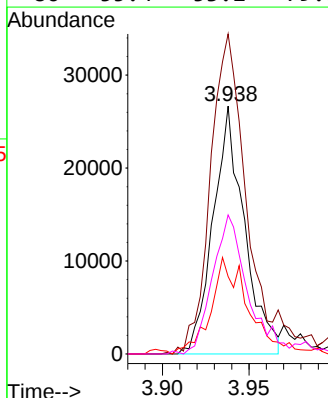
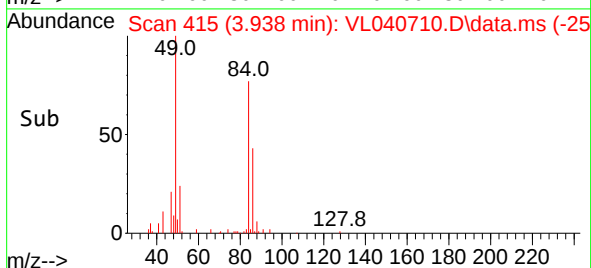
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

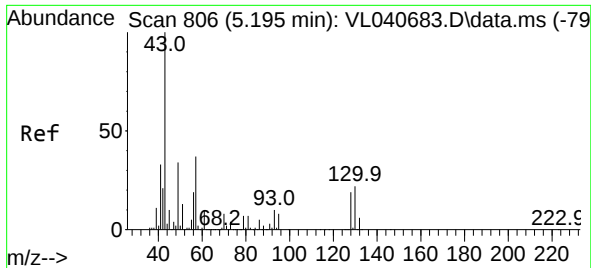


#20
Methylene Chloride
Concen: 0.370 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.000 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21



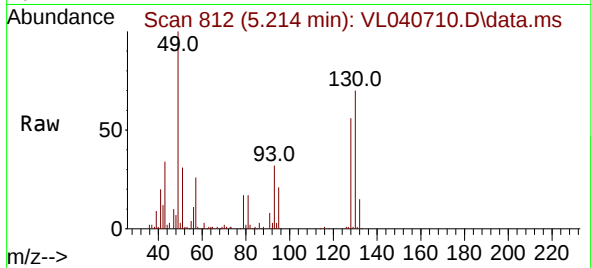
Tgt Ion: 84 Resp: 33599
Ion Ratio Lower Upper
84 100
49 126.3 114.4 171.6
51 29.2 35.5 53.3#
86 55.4 53.2 79.8





#25
Ethyl Acetate
Concen: 0.596 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

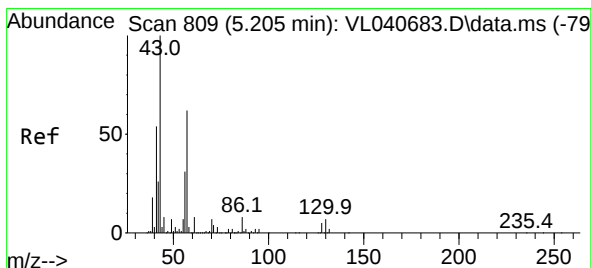
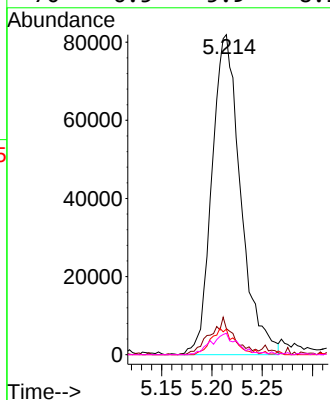
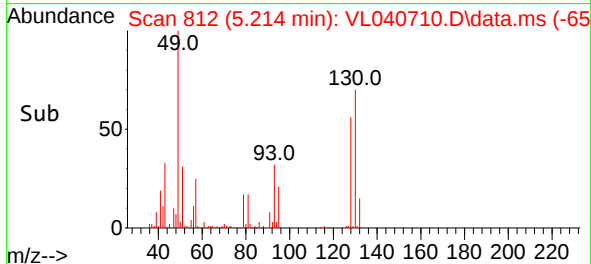
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ClientSampleId :
29W-2DL



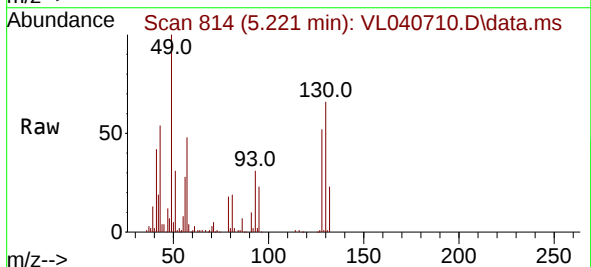
Tgt Ion: 43 Resp: 16228
Ion Ratio Lower Upper
43 100
45 10.7 8.2 12.4
61 7.2 8.2 12.4
70 6.5 5.9 8.9

Manual Integrations
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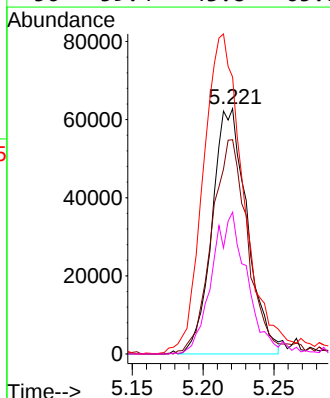
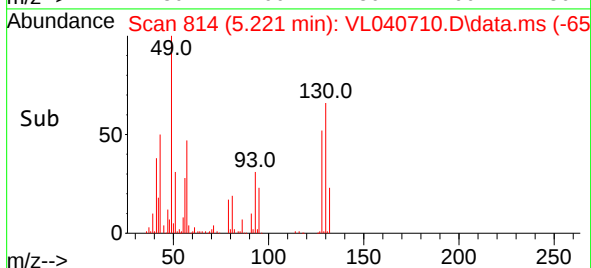
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

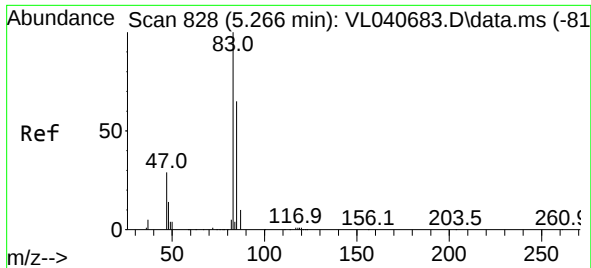


#26
Hexane
Concen: 0.836 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21



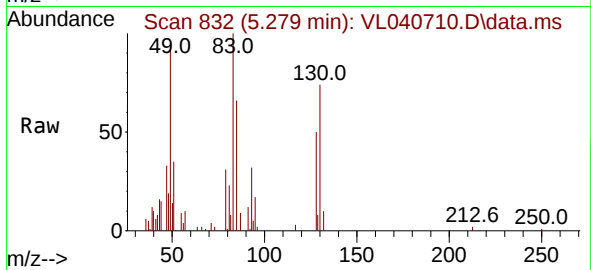
Tgt Ion: 57 Resp: 107555
Ion Ratio Lower Upper
57 100
41 94.2 75.2 112.8
43 157.3 185.6 278.4#
56 59.4 43.8 65.8





#29
Chloroform
Concen: 0.089 ppbv m
RT: 5.279 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

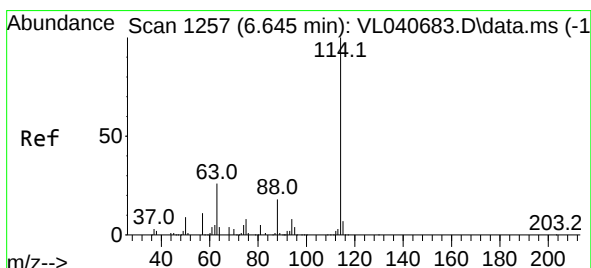
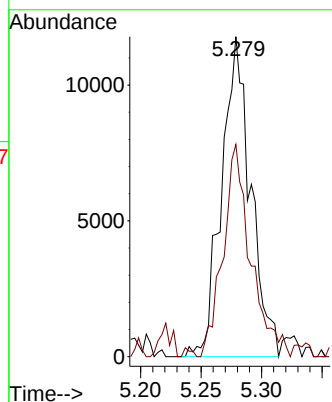
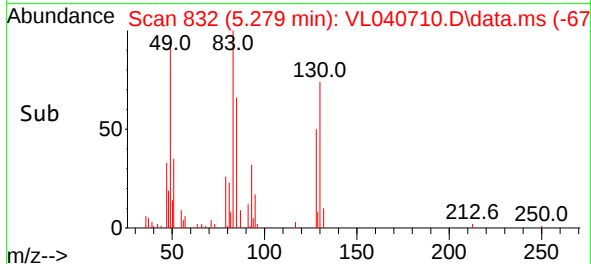
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



Tgt Ion: 83 Resp: 19694
Ion Ratio Lower Upper
83 100
85 66.3 51.8 77.8

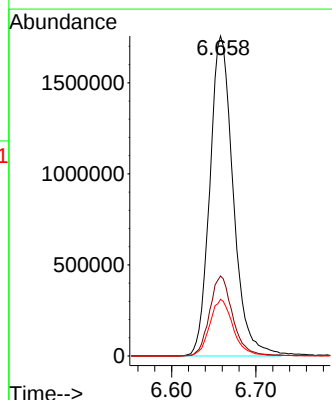
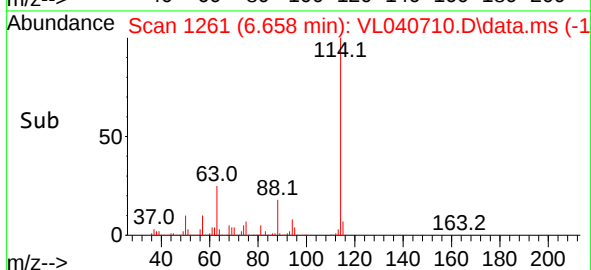
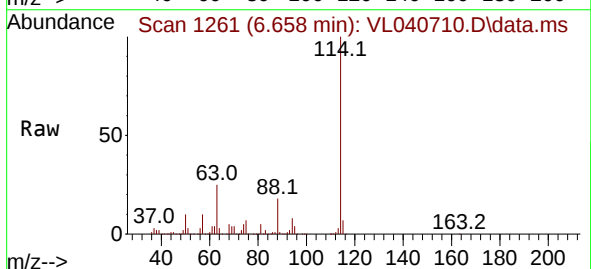
Manual Integrations
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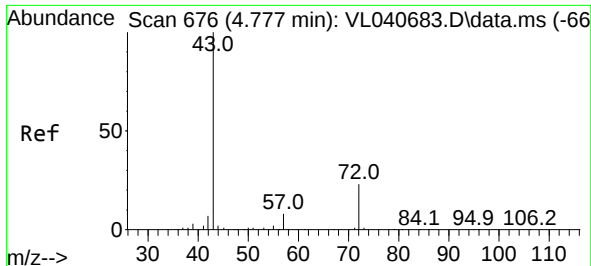
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

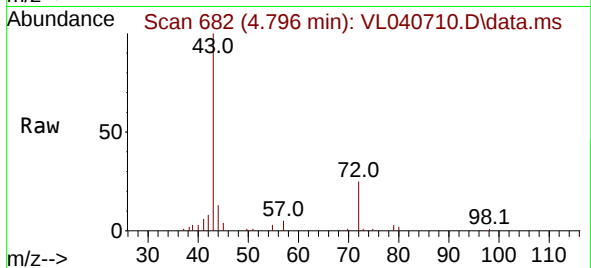
Tgt Ion:114 Resp: 3382595
Ion Ratio Lower Upper
114 100
63 24.9 21.1 31.7
88 17.9 14.5 21.7





#34
2-Butanone
Concen: 0.233 ppbv
RT: 4.796 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

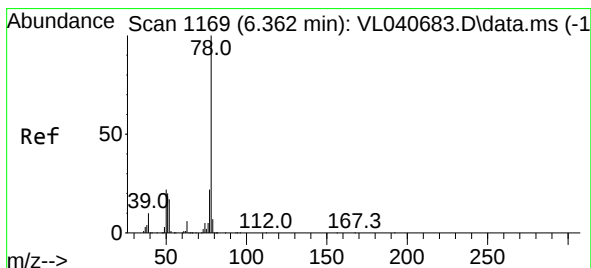
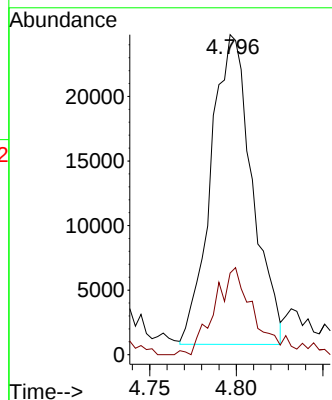
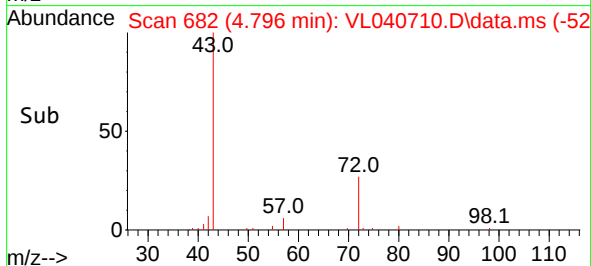
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



Tgt Ion: 43 Resp: 3970
Ion Ratio Lower Upper
43 100
72 28.8 18.6 27.8

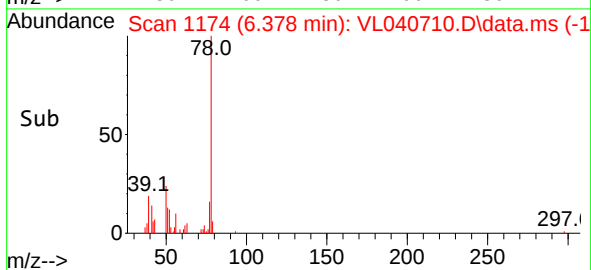
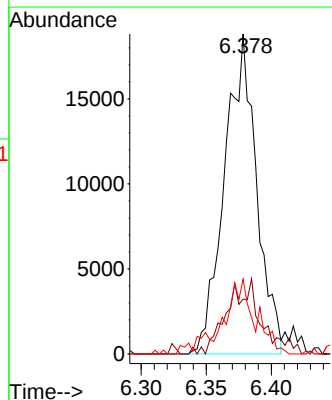
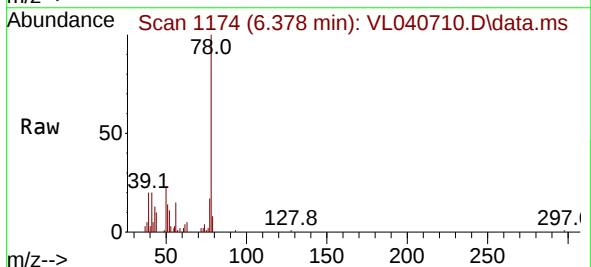
Manual Integrations
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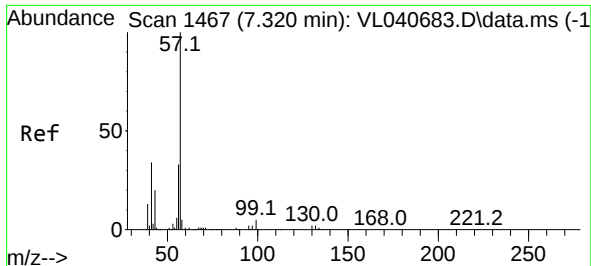
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#36
Benzene
Concen: 0.128 ppbv m
RT: 6.378 min Scan# 1174
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

Tgt Ion: 78 Resp: 32103
Ion Ratio Lower Upper
78 100
77 17.2 17.9 26.9#
50 23.4 17.3 25.9





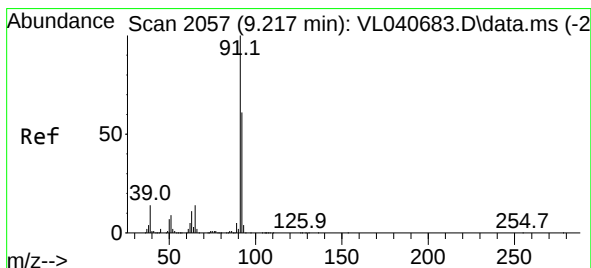
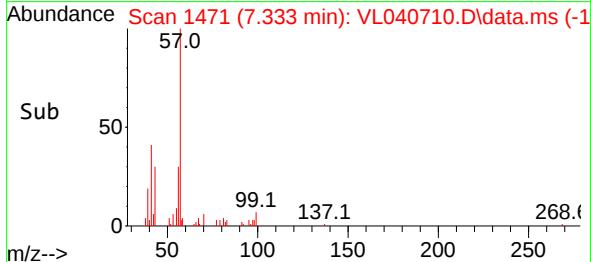
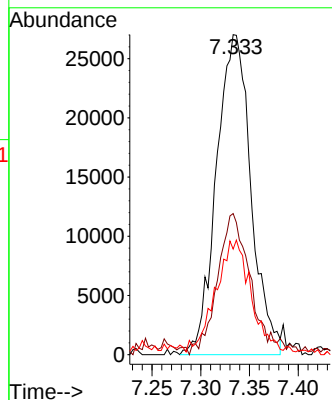
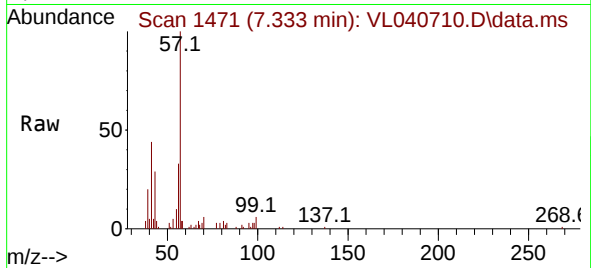
#44
2,2,4-Trimethylpentane
Concen: 0.167 ppbv
RT: 7.333 min Scan# 1467
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

Instrument :
MSVOA_L
ClientSampleId :
29W-2DL

Tgt Ion: 57 Resp: 66599
Ion Ratio Lower Upper
57 100
41 42.7 28.5 42.7
56 39.6 25.4 38.2

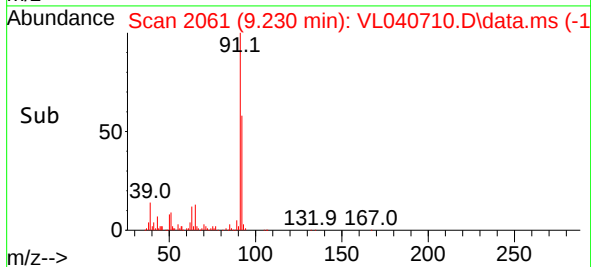
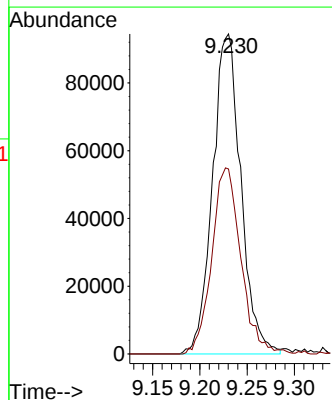
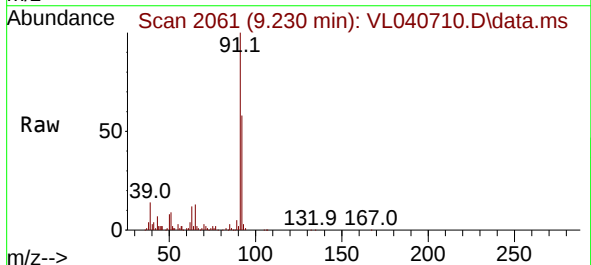
Manual Integrations
APPROVED

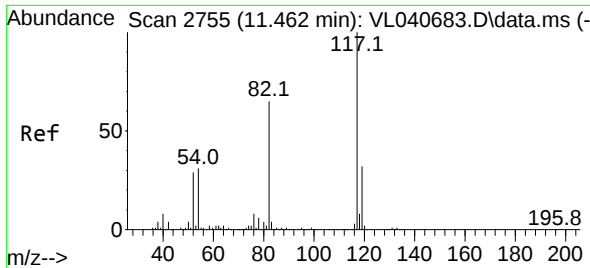
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#53
Toluene
Concen: 0.743 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.000 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

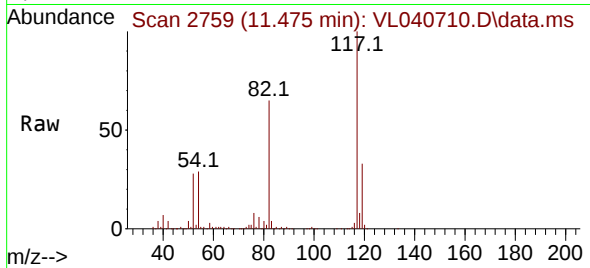
Tgt Ion: 91 Resp: 196580
Ion Ratio Lower Upper
91 100
92 60.0 48.5 72.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

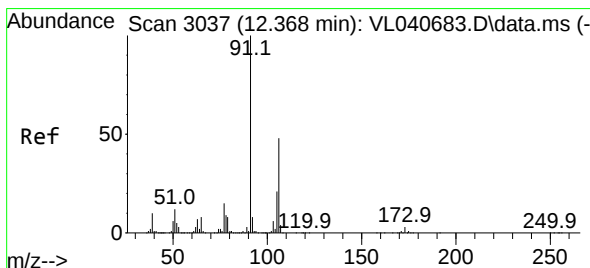
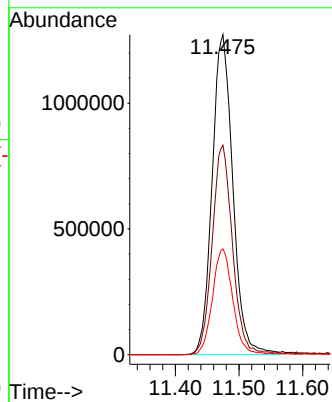
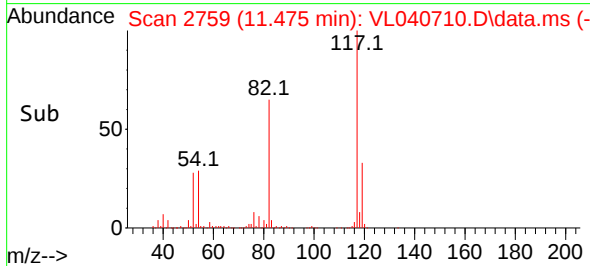
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



Tgt Ion:117 Resp: 2878219
Ion Ratio Lower Upper
117 100
82 64.9 51.4 77.0
119 32.6 24.7 37.1

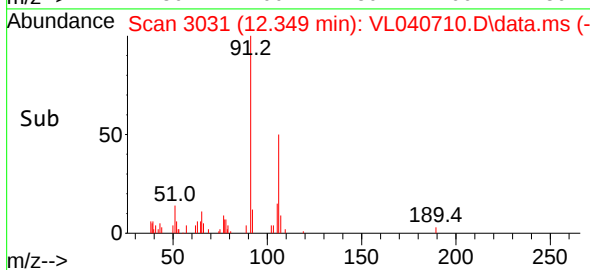
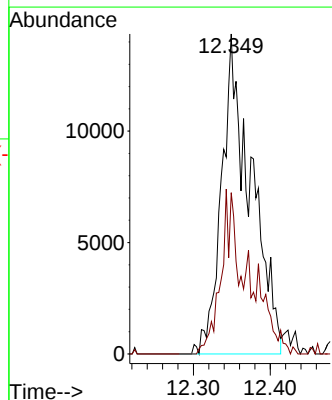
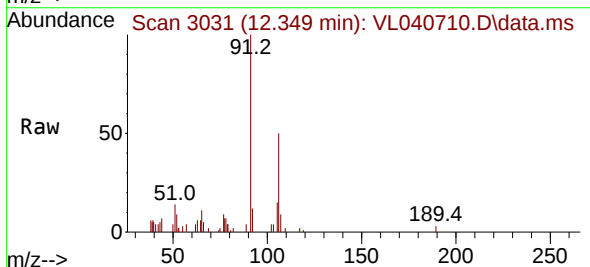
Manual Integrations
APPROVED

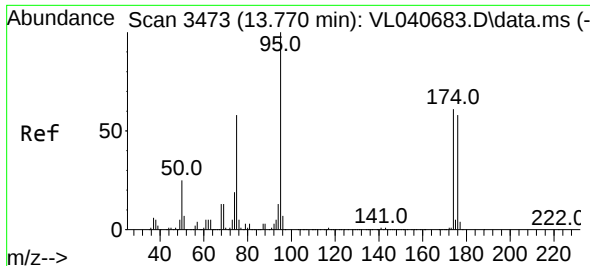
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#59
m/p-Xylene
Concen: 0.123 ppbv m
RT: 12.349 min Scan# 3031
Delta R.T. -0.032 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

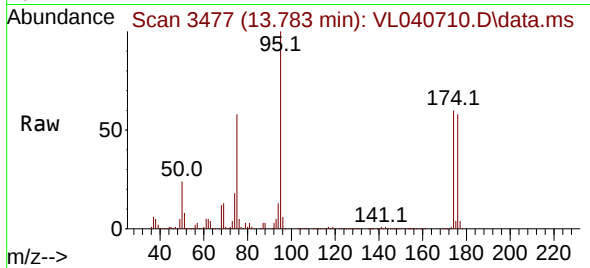
Tgt Ion: 91 Resp: 37928
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.669 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

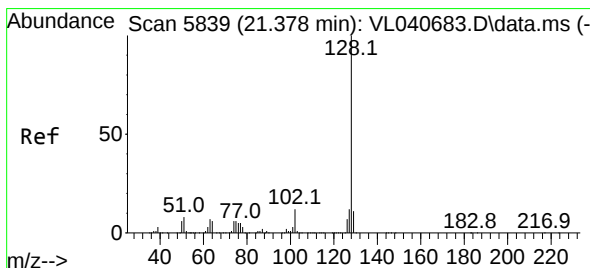
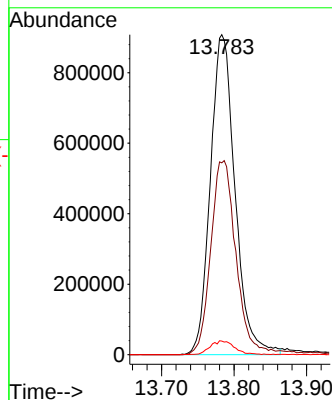
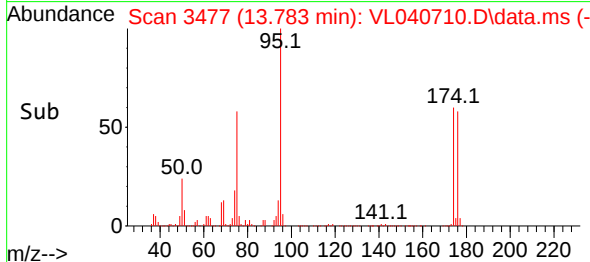
Instrument :
MSVOA_L
ClientSampleId :
29W-2DL



Tgt Ion: 95 Resp: 215018
Ion Ratio Lower Upper
95 100
174 63.4 48.9 73.3
175 4.4 3.5 5.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#79
Naphthalene
Concen: 0.170 ppbv m
RT: 21.403 min Scan# 5847
Delta R.T. 0.010 min
Lab File: VL040710.D
Acq: 18 Sep 2023 22:21

Tgt Ion:128 Resp: 38223
Ion Ratio Lower Upper
128 100
127 5.6 9.8 14.6#
129 8.3 8.4 12.6#

